November 11, 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 **13378**. 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 each of the series of six tissue samples were combined to create the following samples; 13378-007-SA, 13378-014-SA, and 13378-021-SA (Floyd Snider Sample IDs: LDW-Y3-LBS-SU-ENR-A-CLAM, LDW-Y3-LBS-SU-ENR-B-CLAM, and LDW-Y3-LBS-SU-ENR-C-CLAM 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 custody, your composite table, our sample login form and the sample photos. The Laboratory Raw Data section contains our project request sheet, an extraction bench sheet and the cleanup bench sheet. The instrument raw data section contains three sub-sections; the sample results section, the initial calibration section and the continuing/ending calibration section. The sample results sub-section consists of the quantitation summary forms with chromatograms for all samples and QC. The initial calibration sub-section consists of the individual quantitation summary forms and chromatograms for each point of the initial calibration curve as well as an overall quantitation summary form of the initial calibration curve. The continuing/ending calibration sub-section consists of the quantitation summary forms and chromatograms for all daily calibration standards, beginning calibration, and ending calibration injections associated with the samples and QC. The enclosed results and Electronic Data Deliverable (EDD) are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**, our State of California ELAP certificate number is **2934**, and our State of Washington certificate number is **C844**. This report and the associated electronic data deliverable have been emailed to you. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13378**, 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: **13378**

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
13378-001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	02:55 pm	09/24/2021
13378-002-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	09:32 am	09/24/2021
13378-003-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	01:45 pm	09/24/2021
13378-004-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	10:14 am	09/24/2021
13378-005-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	02:31 pm	09/24/2021
13378-006-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	01:49 pm	09/24/2021
13378-007-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-A-CLAM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13378-008-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	02:00 pm	09/24/2021
13378-009-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	02:25 pm	09/24/2021
13378-010-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	03:08 pm	09/24/2021
13378-011-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	11:10 am	09/24/2021
13378-012-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	01:39 pm	09/24/2021
13378-013-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	03:26 pm	09/24/2021
13378-014-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-B-CLAM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13378-015-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	09:12 am	09/24/2021
13378-016-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	09:58 am	09/24/2021
13378-017-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	09:24 am	09/24/2021
13378-018-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	01:21 pm	09/24/2021
13378-019-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	03:19 pm	09/24/2021
13378-020-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	01:54 pm	09/24/2021
13378-021-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-C-CLAM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021

FAL Sample ID	Notes
13378-001-SA	Sample lid was received broken. KC 10/6/20
13378-002-SA	'Sample lid was received broken. KC 10/6/20'
13378-003-SA	Sample lid was received broken. KC 10/6/20
13378-005-SA	'Sample lid was received broken. KC 10/6/20'
13378-006-SA	'Sample lid was received broken. KC 10/6/20'
13378-008-SA	Sample lid was received broken. KC 10/6/20
13378-011-SA	'Sample lid was received broken. KC 10/6/20'
13378-013-SA	'Sample lid was received broken. KC 10/6/20'

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EPA Method 1668
PCBs

FAL ID: 13378-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

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

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

Acquired: 11-07-2020
Total Conc: 0.0

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

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EPA Method 1668
PCBs

FAL ID: 13378-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

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

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

Acquired: 11-07-2020

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

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13378-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

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

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

Acquired: 11-07-2020

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

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

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

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

Analyst: [signature]

Date: 11/10/2020

Reviewed By: DPV

Date: 11/10/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13378-001-OPR
Client ID: OPR
Matrix: Tissue
Batch No: X5498

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

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

Acquired: 11-07-2020

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

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

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

Analyst: _____

Date: 11/10/2020

Reviewed By: DPV

Date: 11/10/2020

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EPA Method 1668
PCBs

FAL ID: 13378-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.95 g
% Lipids: 0.100

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

Acquired: 11-07-2020
Total Conc: 3990

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	1.19			PCB-51	8.66	-		
PCB-2	ND	0.652			PCB-52	203	-	C	69
PCB-3	ND	0.462			PCB-53	19.0	-		
PCB-4	4.32	-			PCB-54	ND	0.655		
PCB-5	ND	0.647			PCB-55	4.39	-		
PCB-6	5.45	-			PCB-56	65.9	-	C	60
PCB-7	ND	0.656			PCB-57	2.05	-		
PCB-8	11.3	-			PCB-58	1.36	-	J	
PCB-9	ND	0.665			PCB-59	-	-	C042	42
PCB-10	ND	0.616			PCB-60	-	-	C056	56
PCB-11	9.60	-			PCB-61	133	-	C	70
PCB-12	ND	0.701			PCB-62	ND	0.659		
PCB-13	ND	0.705			PCB-63	6.08	-		
PCB-14	ND	0.685			PCB-64	-	-	C041	41/71/72
PCB-15	6.20	-			PCB-65	ND	0.727		
PCB-16	17.3	-			PCB-66	126	-	C	76
PCB-17	32.3	-			PCB-67	6.07	-		
PCB-18	65.6	-			PCB-68	2.25	-		
PCB-19	3.36	-			PCB-69	-	-	C052	52
PCB-20	42.3	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	21.8	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.619			PCB-73	3.62	-		
PCB-24	4.69	-			PCB-74	62.4	-		
PCB-25	8.87	-			PCB-75	-	-	C048	48
PCB-26	16.2	-			PCB-76	-	-	C066	66
PCB-27	3.89	-			PCB-77	7.83	-		
PCB-28	58.0	-			PCB-78	ND	0.756		
PCB-29	ND	0.668			PCB-79	2.37	-		
PCB-30	ND	0.862			PCB-80	ND	0.566		
PCB-31	56.4	-			PCB-81	2.68	-		
PCB-32	21.6	-			PCB-82	20.8	-		
PCB-33	-	-	C020	20/21	PCB-83	11.1	-	C	112
PCB-34	1.06	-	J		PCB-84	84.8	-	C	92
PCB-35	1.89	-			PCB-85	25.4	-	C	116
PCB-36	ND	0.708			PCB-86	ND	1.05		
PCB-37	14.1	-			PCB-87	47.9	-	C	117/125
PCB-38	1.50	-	J		PCB-88	29.3	-	C	91
PCB-39	ND	0.710			PCB-89	3.71	-		
PCB-40	24.5	-			PCB-90	191	-	C	101
PCB-41	117	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	57.5	-	C	59	PCB-92	-	-	C084	84
PCB-43	143	-	C	49	PCB-93	ND	0.874		
PCB-44	123	-			PCB-94	1.39	-	J	
PCB-45	17.7	-			PCB-95	156	-		
PCB-46	9.06	-			PCB-96	1.47	-	J	
PCB-47	58.1	-			PCB-97	55.8	-		
PCB-48	39.6	-	C	75	PCB-98	ND	0.873	C	102
PCB-49	-	-	C043	43	PCB-99	82.4	-		
PCB-50	ND	0.838			PCB-100	2.12	-		

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EPA Method 1668
PCBs

FAL ID: 13378-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.95 g
% Lipids: 0.100

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	51.9	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.754		
PCB-103	3.57	-			PCB-153	166	-		
PCB-104	ND	0.613			PCB-154	6.28	-		
PCB-105	42.1	-			PCB-155	ND	0.708		
PCB-106	115	-	C	118	PCB-156	12.9	-		
PCB-107	11.9	-	C	108	PCB-157	4.09	-		
PCB-108	-	-	C107	107	PCB-158	17.7	-	C	160
PCB-109	ND	0.740			PCB-159	2.06	-		
PCB-110	161	-			PCB-160	-	-	C158	158
PCB-111	4.55	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.861			PCB-163	-	-	C138	138/164
PCB-114	4.25	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.559		
PCB-117	-	-	C087	87/125	PCB-167	6.26	-		
PCB-118	-	-	C	106	PCB-168	ND	0.542		
PCB-119	7.97	-			PCB-169	ND	0.553		
PCB-120	1.59	-	J		PCB-170	27.8	-		
PCB-121	ND	0.631			PCB-171	12.7	-		
PCB-122	2.26	-			PCB-172	6.22	-		
PCB-123	3.26	-			PCB-173	ND	0.976		
PCB-124	6.44	-			PCB-174	26.4	-		
PCB-125	-	-	C087	87/117	PCB-175	3.09	-		
PCB-126	ND	0.992			PCB-176	7.27	-		
PCB-127	ND	0.919			PCB-177	36.7	-		
PCB-128	27.1	-	C	162	PCB-178	18.4	-		
PCB-129	6.44	-			PCB-179	23.4	-		
PCB-130	15.1	-			PCB-180	75.8	-		
PCB-131	9.48	-	C	133	PCB-181	ND	0.823		
PCB-132	48.5	-	C	161	PCB-182	68.9	-	C	187
PCB-133	-	-	C131	131	PCB-183	27.3	-		
PCB-134	12.5	-	C	143	PCB-184	ND	0.624		
PCB-135	28.1	-			PCB-185	3.39	-		
PCB-136	29.3	-			PCB-186	ND	0.680		
PCB-137	8.72	-			PCB-187	-	-	C182	182
PCB-138	166	-	C	163/164	PCB-188	ND	0.710		
PCB-139	151	-	C	149	PCB-189	1.56	-	J	
PCB-140	2.33	-			PCB-190	6.84	-		
PCB-141	16.0	-			PCB-191	2.90	-		
PCB-142	ND	0.768			PCB-192	ND	0.723		
PCB-143	-	-	C134	134	PCB-193	6.55	-		
PCB-144	10.7	-			PCB-194	9.09	-		
PCB-145	ND	0.736			PCB-195	3.57	-		
PCB-146	40.1	-	C	165	PCB-196	15.0	-	C	203
PCB-147	4.78	-			PCB-197	ND	0.685		
PCB-148	ND	0.950			PCB-198	ND	0.975		
PCB-149	-	-	C139	139	PCB-199	16.8	-		
PCB-150	ND	0.746			PCB-200	ND	0.705		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13378-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.95 g
% Lipids: 0.100

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	3.83	-		
PCB-202	9.27	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.691		
PCB-205	ND	0.652		
PCB-206	3.45	-		
PCB-207	ND	0.552		
PCB-208	1.27	-	J	
PCB-209	1.71	-	J	

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	19.8	5.00 - 145	
13C-PCB-3	56.8	5.00 - 145	
13C-PCB-4	46.3	5.00 - 145	
13C-PCB-15	93.8	5.00 - 145	
13C-PCB-19	77.7	5.00 - 145	
13C-PCB-37	87.9	5.00 - 145	
13C-PCB-54	71.1	5.00 - 145	
13C-PCB-77	90.0	10.0 - 145	
13C-PCB-81	92.2	10.0 - 145	
13C-PCB-104	79.9	10.0 - 145	
13C-PCB-105	88.2	10.0 - 145	
13C-PCB-114	86.0	10.0 - 145	
13C-PCB-118	87.7	10.0 - 145	
13C-PCB-123	87.9	10.0 - 145	
13C-PCB-126	90.5	10.0 - 145	
13C-PCB-155	84.2	10.0 - 145	
13C-PCB-156	87.6	10.0 - 145	
13C-PCB-157	85.3	10.0 - 145	
13C-PCB-167	86.2	10.0 - 145	
13C-PCB-169	90.2	10.0 - 145	
13C-PCB-188	83.5	10.0 - 145	
13C-PCB-189	84.6	10.0 - 145	
13C-PCB-202	81.7	10.0 - 145	
13C-PCB-205	88.0	10.0 - 145	
13C-PCB-206	79.5	10.0 - 145	
13C-PCB-208	86.6	10.0 - 145	
13C-PCB-209	78.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	75.1	5.00 - 145	
13C-PCB-111	87.6	10.0 - 145	
13C-PCB-178	89.1	10.0 - 145	

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

Analyst: [signature]

Date: 11/10/2020

Reviewed By: DPV

Date: 11/10/2020

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EPA Method 1668
PCBs

FAL ID: 13378-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.56 g
% Lipids: 0.123

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

Acquired: 11-07-2020
Total Conc: 22900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	1.59	-	J		PCB-51	52.5	-		
PCB-2	ND	0.618			PCB-52	1360	-	C	69
PCB-3	0.873	-	J		PCB-53	154	-		
PCB-4	43.7	-			PCB-54	2.50	-		
PCB-5	ND	0.988			PCB-55	17.2	-		
PCB-6	68.8	-			PCB-56	421	-	C	60
PCB-7	6.02	-			PCB-57	10.6	-		
PCB-8	122	-			PCB-58	7.79	-		
PCB-9	8.87	-			PCB-59	-	-	C042	42
PCB-10	2.95	-			PCB-60	-	-	C056	56
PCB-11	18.2	-			PCB-61	952	-	C	70
PCB-12	5.92	-			PCB-62	ND	0.834		
PCB-13	9.60	-			PCB-63	45.0	-		
PCB-14	ND	1.05			PCB-64	-	-	C041	41/71/72
PCB-15	39.0	-			PCB-65	ND	0.920		
PCB-16	166	-			PCB-66	885	-	C	76
PCB-17	303	-			PCB-67	40.4	-		
PCB-18	588	-			PCB-68	16.6	-		
PCB-19	41.4	-			PCB-69	-	-	C052	52
PCB-20	376	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	201	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.659			PCB-73	27.8	-		
PCB-24	35.6	-			PCB-74	463	-		
PCB-25	96.7	-			PCB-75	-	-	C048	48
PCB-26	179	-			PCB-76	-	-	C066	66
PCB-27	27.9	-			PCB-77	49.5	-		
PCB-28	573	-			PCB-78	4.79	-		
PCB-29	3.64	-			PCB-79	11.4	-		
PCB-30	ND	0.981			PCB-80	ND	0.717		
PCB-31	649	-			PCB-81	12.3	-		
PCB-32	193	-			PCB-82	118	-		
PCB-33	-	-	C020	20/21	PCB-83	65.1	-	C	112
PCB-34	12.0	-			PCB-84	473	-	C	92
PCB-35	6.57	-			PCB-85	147	-	C	116
PCB-36	ND	0.754			PCB-86	ND	1.17		
PCB-37	112	-			PCB-87	280	-	C	117/125
PCB-38	9.02	-			PCB-88	168	-	C	91
PCB-39	2.80	-			PCB-89	17.1	-		
PCB-40	186	-			PCB-90	984	-	C	101
PCB-41	866	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	426	-	C	59	PCB-92	-	-	C084	84
PCB-43	1020	-	C	49	PCB-93	ND	1.27		
PCB-44	973	-			PCB-94	7.79	-		
PCB-45	162	-			PCB-95	934	-		
PCB-46	67.1	-			PCB-96	9.41	-		
PCB-47	365	-			PCB-97	325	-		
PCB-48	257	-	C	75	PCB-98	ND	1.26	C	102
PCB-49	-	-	C043	43	PCB-99	410	-		
PCB-50	4.81	-			PCB-100	7.04	-		

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EPA Method 1668
PCBs

FAL ID: 13378-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.56 g
% Lipids: 0.123

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	181	-		
PCB-102	-	-	C098	98	PCB-152	ND	1.23		
PCB-103	18.3	-			PCB-153	564	-		
PCB-104	ND	0.888			PCB-154	12.8	-		
PCB-105	227	-			PCB-155	ND	1.16		
PCB-106	630	-	C	118	PCB-156	54.2	-		
PCB-107	59.5	-	C	108	PCB-157	13.8	-		
PCB-108	-	-	C107	107	PCB-158	74.1	-	C	160
PCB-109	ND	0.826			PCB-159	4.74	-		
PCB-110	931	-			PCB-160	-	-	C158	158
PCB-111	15.0	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.961			PCB-163	-	-	C138	138/164
PCB-114	15.9	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.26	-		
PCB-117	-	-	C087	87/125	PCB-167	23.1	-		
PCB-118	-	-	C	106	PCB-168	ND	0.970		
PCB-119	37.2	-			PCB-169	ND	1.01		
PCB-120	6.28	-			PCB-170	78.8	-		
PCB-121	ND	0.913			PCB-171	35.7	-		
PCB-122	10.3	-			PCB-172	15.0	-		
PCB-123	13.5	-			PCB-173	ND	1.46		
PCB-124	29.8	-			PCB-174	81.0	-		
PCB-125	-	-	C087	87/117	PCB-175	7.67	-		
PCB-126	2.79	-			PCB-176	20.6	-		
PCB-127	ND	0.781			PCB-177	88.7	-		
PCB-128	108	-	C	162	PCB-178	42.1	-		
PCB-129	26.1	-			PCB-179	61.1	-		
PCB-130	58.0	-			PCB-180	205	-		
PCB-131	30.1	-	C	133	PCB-181	ND	1.23		
PCB-132	213	-	C	161	PCB-182	168	-	C	187
PCB-133	-	-	C131	131	PCB-183	68.3	-		
PCB-134	49.4	-	C	143	PCB-184	ND	0.933		
PCB-135	110	-			PCB-185	9.81	-		
PCB-136	114	-			PCB-186	ND	1.02		
PCB-137	34.8	-			PCB-187	-	-	C182	182
PCB-138	641	-	C	163/164	PCB-188	ND	1.13		
PCB-139	561	-	C	149	PCB-189	3.44	-		
PCB-140	7.59	-			PCB-190	18.7	-		
PCB-141	65.5	-			PCB-191	5.31	-		
PCB-142	ND	1.37			PCB-192	ND	1.08		
PCB-143	-	-	C134	134	PCB-193	14.7	-		
PCB-144	39.1	-			PCB-194	19.8	-		
PCB-145	ND	1.20			PCB-195	8.78	-		
PCB-146	118	-	C	165	PCB-196	32.5	-	C	203
PCB-147	16.6	-			PCB-197	2.85	-		
PCB-148	ND	1.55			PCB-198	ND	1.16		
PCB-149	-	-	C139	139	PCB-199	36.3	-		
PCB-150	ND	1.22			PCB-200	3.32	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13378-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.56 g
% Lipids: 0.123

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	8.20	-		
PCB-202	18.7	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.823		
PCB-205	1.99	-		
PCB-206	5.10	-		
PCB-207	ND	0.718		
PCB-208	1.87	-	J	
PCB-209	2.62	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	67.2	5.00 - 145	
13C-PCB-3	73.2	5.00 - 145	
13C-PCB-4	73.8	5.00 - 145	
13C-PCB-15	84.9	5.00 - 145	
13C-PCB-19	91.1	5.00 - 145	
13C-PCB-37	88.9	5.00 - 145	
13C-PCB-54	77.2	5.00 - 145	
13C-PCB-77	87.4	10.0 - 145	
13C-PCB-81	87.6	10.0 - 145	
13C-PCB-104	86.5	10.0 - 145	
13C-PCB-105	82.8	10.0 - 145	
13C-PCB-114	86.6	10.0 - 145	
13C-PCB-118	86.5	10.0 - 145	
13C-PCB-123	83.7	10.0 - 145	
13C-PCB-126	89.8	10.0 - 145	
13C-PCB-155	83.9	10.0 - 145	
13C-PCB-156	85.0	10.0 - 145	
13C-PCB-157	84.7	10.0 - 145	
13C-PCB-167	85.5	10.0 - 145	
13C-PCB-169	88.1	10.0 - 145	
13C-PCB-188	80.1	10.0 - 145	
13C-PCB-189	84.8	10.0 - 145	
13C-PCB-202	78.9	10.0 - 145	
13C-PCB-205	85.2	10.0 - 145	
13C-PCB-206	75.5	10.0 - 145	
13C-PCB-208	81.8	10.0 - 145	
13C-PCB-209	75.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	87.3	5.00 - 145	
13C-PCB-111	86.8	10.0 - 145	
13C-PCB-178	88.1	10.0 - 145	

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

Analyst: [signature]

Date: 11/10/2020

Reviewed By: DPV

Date: 11/10/2020

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EPA Method 1668
PCBs

FAL ID: 13378-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.13 g
% Lipids: 0.316

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

Acquired: 11-07-2020
Total Conc: 4020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.738			PCB-51	8.78	-		
PCB-2	ND	0.702			PCB-52	176	-	C	69
PCB-3	ND	0.676			PCB-53	17.9	-		
PCB-4	3.02	-			PCB-54	ND	0.577		
PCB-5	ND	0.899			PCB-55	4.05	-		
PCB-6	4.30	-			PCB-56	74.9	-	C	60
PCB-7	ND	0.912			PCB-57	1.53	-	J	
PCB-8	7.89	-			PCB-58	1.27	-	J	
PCB-9	ND	0.925			PCB-59	-	-	C042	42
PCB-10	ND	0.857			PCB-60	-	-	C056	56
PCB-11	14.5	-			PCB-61	136	-	C	70
PCB-12	ND	0.974			PCB-62	ND	0.581		
PCB-13	ND	0.980			PCB-63	5.34	-		
PCB-14	ND	0.952			PCB-64	-	-	C041	41/71/72
PCB-15	6.37	-			PCB-65	ND	0.641		
PCB-16	10.2	-			PCB-66	130	-	C	76
PCB-17	20.5	-			PCB-67	5.61	-		
PCB-18	40.0	-			PCB-68	2.39	-		
PCB-19	3.16	-			PCB-69	-	-	C052	52
PCB-20	39.5	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	22.0	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.461			PCB-73	2.92	-		
PCB-24	3.24	-			PCB-74	65.4	-		
PCB-25	9.58	-			PCB-75	-	-	C048	48
PCB-26	16.2	-			PCB-76	-	-	C066	66
PCB-27	3.79	-			PCB-77	9.54	-		
PCB-28	64.2	-			PCB-78	ND	0.495		
PCB-29	ND	0.498			PCB-79	2.55	-		
PCB-30	ND	0.777			PCB-80	ND	0.499		
PCB-31	56.6	-			PCB-81	3.39	-		
PCB-32	16.9	-			PCB-82	24.4	-		
PCB-33	-	-	C020	20/21	PCB-83	13.4	-	C	112
PCB-34	ND	0.554			PCB-84	89.1	-	C	92
PCB-35	1.50	-	J		PCB-85	32.2	-	C	116
PCB-36	ND	0.528			PCB-86	ND	0.994		
PCB-37	16.1	-			PCB-87	58.1	-	C	117/125
PCB-38	1.65	-	J		PCB-88	32.8	-	C	91
PCB-39	ND	0.529			PCB-89	3.03	-		
PCB-40	22.7	-			PCB-90	201	-	C	101
PCB-41	115	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	55.6	-	C	59	PCB-92	-	-	C084	84
PCB-43	117	-	C	49	PCB-93	ND	0.606		
PCB-44	113	-			PCB-94	1.95	-	J	
PCB-45	15.9	-			PCB-95	172	-		
PCB-46	8.39	-			PCB-96	1.76	-	J	
PCB-47	56.2	-			PCB-97	59.6	-		
PCB-48	31.5	-	C	75	PCB-98	ND	0.605	C	102
PCB-49	-	-	C043	43	PCB-99	83.7	-		
PCB-50	ND	0.738			PCB-100	2.62	-		

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EPA Method 1668
PCBs

FAL ID: 13378-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.13 g
% Lipids: 0.316

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	52.8	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.973		
PCB-103	3.61	-			PCB-153	178	-		
PCB-104	ND	0.425			PCB-154	4.96	-		
PCB-105	52.9	-			PCB-155	ND	0.913		
PCB-106	130	-	C	118	PCB-156	15.1	-		
PCB-107	12.7	-	C	108	PCB-157	4.06	-		
PCB-108	-	-	C107	107	PCB-158	19.4	-	C	160
PCB-109	ND	0.701			PCB-159	2.55	-		
PCB-110	170	-			PCB-160	-	-	C158	158
PCB-111	4.60	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.816			PCB-163	-	-	C138	138/164
PCB-114	4.10	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.675		
PCB-117	-	-	C087	87/125	PCB-167	7.85	-		
PCB-118	-	-	C	106	PCB-168	ND	0.655		
PCB-119	7.15	-			PCB-169	ND	0.648		
PCB-120	1.46	-	J		PCB-170	27.6	-		
PCB-121	ND	0.438			PCB-171	12.9	-		
PCB-122	2.95	-			PCB-172	4.52	-		
PCB-123	4.14	-			PCB-173	ND	0.976		
PCB-124	7.74	-			PCB-174	23.5	-		
PCB-125	-	-	C087	87/117	PCB-175	3.24	-		
PCB-126	ND	0.760			PCB-176	8.62	-		
PCB-127	ND	0.696			PCB-177	37.2	-		
PCB-128	30.2	-	C	162	PCB-178	22.6	-		
PCB-129	7.03	-			PCB-179	23.2	-		
PCB-130	18.2	-			PCB-180	71.4	-		
PCB-131	10.1	-	C	133	PCB-181	ND	0.823		
PCB-132	43.2	-	C	161	PCB-182	74.1	-	C	187
PCB-133	-	-	C131	131	PCB-183	28.0	-		
PCB-134	13.7	-	C	143	PCB-184	ND	0.623		
PCB-135	31.9	-			PCB-185	3.00	-		
PCB-136	28.1	-			PCB-186	ND	0.679		
PCB-137	8.20	-			PCB-187	-	-	C182	182
PCB-138	182	-	C	163/164	PCB-188	ND	0.734		
PCB-139	150	-	C	149	PCB-189	1.61	-	J	
PCB-140	2.02	-			PCB-190	7.25	-		
PCB-141	16.1	-			PCB-191	2.44	-		
PCB-142	ND	0.928			PCB-192	ND	0.723		
PCB-143	-	-	C134	134	PCB-193	6.55	-		
PCB-144	10.4	-			PCB-194	8.62	-		
PCB-145	ND	0.950			PCB-195	3.46	-		
PCB-146	38.1	-	C	165	PCB-196	11.4	-	C	203
PCB-147	6.05	-			PCB-197	ND	0.802		
PCB-148	ND	1.23			PCB-198	ND	1.14		
PCB-149	-	-	C139	139	PCB-199	15.1	-		
PCB-150	ND	0.963			PCB-200	ND	0.826		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13378-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CLAM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.13 g
% Lipids: 0.316

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

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	5.63	-		
PCB-202	12.4	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.809		
PCB-205	ND	0.699		
PCB-206	2.27	-		
PCB-207	ND	0.488		
PCB-208	ND	0.441		
PCB-209	1.37	-	J	

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	57.3	5.00 - 145	
13C-PCB-3	73.4	5.00 - 145	
13C-PCB-4	70.9	5.00 - 145	
13C-PCB-15	89.8	5.00 - 145	
13C-PCB-19	93.1	5.00 - 145	
13C-PCB-37	82.1	5.00 - 145	
13C-PCB-54	80.5	5.00 - 145	
13C-PCB-77	84.7	10.0 - 145	
13C-PCB-81	85.4	10.0 - 145	
13C-PCB-104	89.0	10.0 - 145	
13C-PCB-105	83.7	10.0 - 145	
13C-PCB-114	89.2	10.0 - 145	
13C-PCB-118	86.0	10.0 - 145	
13C-PCB-123	88.3	10.0 - 145	
13C-PCB-126	90.4	10.0 - 145	
13C-PCB-155	83.1	10.0 - 145	
13C-PCB-156	87.5	10.0 - 145	
13C-PCB-157	87.8	10.0 - 145	
13C-PCB-167	88.0	10.0 - 145	
13C-PCB-169	90.4	10.0 - 145	
13C-PCB-188	82.7	10.0 - 145	
13C-PCB-189	86.1	10.0 - 145	
13C-PCB-202	82.5	10.0 - 145	
13C-PCB-205	84.3	10.0 - 145	
13C-PCB-206	75.8	10.0 - 145	
13C-PCB-208	82.5	10.0 - 145	
13C-PCB-209	73.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	83.3	5.00 - 145	
13C-PCB-111	85.8	10.0 - 145	
13C-PCB-178	88.9	10.0 - 145	

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

Analyst: [signature]

Date: 11/10/2020

Reviewed By: DPV

Date: 11/10/2020

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

FAL USE ONLY
Laboratory Project No.: 13378
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
System #: Source #:
Sampler: Employer:

REPORT DISTRIBUTION (email only is preferred)

☐ Hardcopy
☐ CD (.pdf including EDDs if requested)
✓ Email (.pdf including EDDs if requested)

ADDITIONAL INSTRUCTIONS

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

****CONGENERS**: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8)

****TEQ**: ☐ 1998 WHO ☐ 2005 WHO ☐ Other

		Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
	1	~~LDW-Y3-LBS-SU-ENR+AC-5A-WORM~~	~~9/24/20~~	~~1116~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	2	~~LDW-Y3-LBS-SU-ENR+AC-5B-WORM~~	9/24/20	~~1140~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	3	~~LDW-Y3-LBS-SU-ENR+AC-5C-WORM~~	~~9/24/20~~	~~936~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	4	~~LDW-Y3-LBS-SU-ENR+AC-6A-WORM~~	~~9/24/20~~	~~1445~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	5	~~LDW-Y3-LBS-SU-ENR+AC-6B-WORM~~	9/24/20	~~1135~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	6	~~LDW-Y3-LBS-SU-ENR+AC-6C-WORM~~	~~9/24/20~~	~~1019~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
1	7	LDW-Y3-LBS-SU-ENR-1A-CLAM	9/24/20	1455	TISSUE	1								✓			Homogenize and composite, see attached table
8	8	LDW-Y3-LBS-SU-ENR-1B-CLAM	9/24/20	1400	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
10	9	LDW-Y3-LBS-SU-ENR-1C-CLAM	9/24/20	912	TISSUE	1								✓			Homogenize and composite, see attached table
2	10	LDW-Y3-LBS-SU-ENR-2A-CLAM	9/24/20	932	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
9	11	LDW-Y3-LBS-SU-ENR-2B-CLAM	9/24/20	1425	TISSUE	1								✓			Homogenize and composite, see attached table
16	12	LDW-Y3-LBS-SU-ENR-2C-CLAM	9/24/20	958	TISSUE	1								✓			Homogenize and composite, see attached table
3	13	LDW-Y3-LBS-SU-ENR-3A-CLAM	9/24/20	1345	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
10	14	LDW-Y3-LBS-SU-ENR-3B-CLAM	9/24/20	1508	TISSUE	1								✓			Homogenize and composite, see attached table
17	15	LDW-Y3-LBS-SU-ENR-3C-CLAM	9/24/20	924	TISSUE	1								✓			Homogenize and composite, see attached table

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

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. Rl Michelle Knowlen	~~09/30/20~~ 10/5/20	1230	K Christensen	10·6·20	10:05AM

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

① wrong date. MK

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Yellow Copy – Laboratory
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0000165 of 000349

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

FAL USE ONLY

Laboratory Project No.: 13378

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.

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☐ 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
4	1	LDW-Y3-LBS-SU-ENR-4A-CLAM	9/24/20	1014	TISSUE	1								✓			Homogenize and composite, see attached table
~~1140~~	2	LDW-Y3-LBS-SU-ENR-4B-CLAM	9/24/20	1110	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
18	3	LDW-Y3-LBS-SU-ENR-4C-CLAM	9/24/20	1321	TISSUE	1								✓			Homogenize and composite, see attached table
5	4	LDW-Y3-LBS-SU-ENR-5A-CLAM	9/24/20	1431	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
124	5	LDW-Y3-LBS-SU-ENR-5B-CLAM	9/24/20	1339	TISSUE	1								✓			Homogenize and composite, see attached table
19	6	LDW-Y3-LBS-SU-ENR-5C-CLAM	9/24/20	1519	TISSUE	1								✓			Homogenize and composite, see attached table
6	7	LDW-Y3-LBS-SU-ENR-6A-CLAM	9/24/20	1349	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
1312	8	LDW-Y3-LBS-SU-ENR-6B-CLAM	9/24/20	1526	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table
20	9	LDW-Y3-LBS-SU-ENR-6C-CLAM	9/24/20	1354	TISSUE	1								✓			Homogenize and composite, see attached table
	~~10~~	~~LDW-Y3-LBS-SU-ENR+AC-1A-CLAM~~	~~9/24/20~~	~~1027~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	11	LDW-Y3-LBS-SU-ENR+AC-1B-CLAM	9/24/20	1105	TISSUE	1								✓			Homogenize and composite, see attached table
	12	LDW-Y3-LBS-SU-ENR+AC-1C-CLAM	9/24/20	1513	TISSUE	1								✓			Homogenize and composite, see attached table
	13	LDW-Y3-LBS-SU-ENR+AC-2A-CLAM	9/24/20	1412	TISSUE	1								✓			Homogenize and composite, see attached table
	14	LDW-Y3-LBS-SU-ENR+AC-2B-CLAM	9/24/20	1232	TISSUE	1								✓			Homogenize and composite, see attached table
	15	LDW-Y3-LBS-SU-ENR+AC-2C-CLAM	9/24/20	1208	TISSUE	1	Lid broken							✓			Homogenize and composite, see attached table

KC 10-6-20

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

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

① Wrong date. MK

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

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

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

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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

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Sample Login Form

FAL Project ID: **13378**

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:	21
Duplicates:	0
Storage Location:	F-4

Method of Delivery:	Fed-Ex
Tracking Number:	771709575592
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	Yes
pH Range of Aqueous Sample	N/A

Anomalies or additional comments:

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

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

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Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999
FAL USE ONLY
Laboratory Project No.: 13378
Temperature: 2 °C
Chain of Custody
www.frontieranalytical.com
Please Print in Pen
Page 4 of 6
CLIENT INFORMATION
Company Name: Floyd Snider
Contact Name: Gretchen Heavner
Address: 601 Union Street, Suite 600, Seattle WA 98101
Phone: 206-292-2078 Fax: 206-682-7867
Email: gretchen.heavner@floydsnider.com
INVOICE INFORMATION (if different from client info)
Company Name: Wood.
Contact Name: Diane Shannon and Cliff Whitmus
Address: 3500 188TH St. SW, Suite 601, Lynnwood WA 98037
Phone: 425-921-4008 Fax:
Email: diane.shannon@woodplc.com & crystal.thimsen@woodplc.com
PROJECT INFORMATION
FAL Quote #: 3102A
P.O. #: C013106435
Project #: LY15160310
Project Name: LDW ENR/AC Pilot Study
TAT (business days): ✓ 15 10 5* 3* (✓ one)
* FAL must agree with price and RUSH TAT in writing.
REPORT INFORMATION
Report Level: I/II III ✓ IV
✓ EDD: FAL Basic ✓ Other: FSI Geotracker Custom: Contact FAL
California State Drinking Water Form
REPORT DISTRIBUTION (email only is preferred)
Hardcopy
CD (.pdf including EDDs if requested)
✓ Email (.pdf including EDDs if requested)
ADDITIONAL INSTRUCTIONS
EDD format should be as developed with Floyd|Snider and Saylor Data Solutions
White Copy – Report
13378-015-SA
Client ID: LDW-Y3-LBS-SU-ENR-1C-CLAM
Storage: F-3 (01 of 01)
Frontier Analytical Laboratory
LDW-Y3-LBS-SU-ENR-1-C-CLAM
Collection Date: 9/24/20 Time: 912
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC
13378-016-SA
Client ID: LDW-Y3-LBS-SU-ENR-2C-CLAM
Storage: F-3 (01 of 01)
Frontier Analytical Laboratory
LDW-Y3-LBS-SU-ENR-2-C-CLAM
Collection Date: 9/24/20 Time: 1450
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC
13378-017-SA
Client ID: LDW-Y3-LBS-SU-ENR-3C-CLAM
Storage: F-3 (01 of 01)
Frontier Analytical Laboratory
LDW-Y3-LBS-SU-ENR-3-C-CLAM
Collection Date: 9/24/20 Time: 324
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC
13378-018-SA
Client ID: LDW-Y3-LBS-SU-ENR-4C-CLAM
Storage: F-3 (01 of 01)
LDW-Y3-LBS-SU-ENR-4-C-CLAM
Collection Date: 9/24/20 Time: 1821
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC
Frontier Analytical Laboratory
13378-019-SA
Client ID: LDW-Y3-LBS-SU-ENR-5C-CLAM
Storage: F-3 (01 of 01)
LDW-Y3-LBS-SU-ENR-5-C-CLAM
Collection Date: 9/24/20 Time: 1519
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC
Frontier Analytical Laboratory
13378-020-SA
Client ID: LDW-Y3-LBS-SU-ENR-6C-CLAM
Storage: F-3 (01 of 01)
LDW-Y3-LBS-SU-ENR-6-C-CLAM
Collection Date: 9/24/20 Time: 1251
Project: Lower Duwamish Waterway
Preservation: Frozen
Analysis: See CoC

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13378	Sample #:	~~1-21~~ 7, 14, 21 KC 10.6.20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/24/2021
Matrix:	Tissue	Extraction Batch:	5498	Due Date:	10/28/2020
Method:	EPA 1668 PCB			Storage:	~~F-3~~ F-4 DN 10.22.20
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13378-7

Extract/s located in box: H_2O_2

Standards: 13378

Instrument:

DB5MS	____
007-225	~~FA/19~~
DB1MS	____
Other	____

Frontier Analytical Laboratory
Percent Lipids

FAL Project: 13378

Sample ID	Chemist	Date	RB and Residue Weight (g)	Empty RB Weight (g)	(g) Lipids	%Lipids
13378-001-0001-SA	* These samples comped to #7 — RR 10-26-20					
13378-002-0001-SA						
13378-003-0001-SA						
13378-004-0001-SA						
13378-005-0001-SA						
13378-006-0001-SA						
13378-007-0001-SA	RR	10-26-20	0.8072g	0.8061g	0.011g	0.1%
13378-008-0001-SA	* These samples comped to #14 — RR 10-26-20					
13378-009-0001-SA						
13378-010-0001-SA						
13378-011-0001-SA						
13378-012-0001-SA						
13378-013-0001-SA						
13378-014-0001-SA	RR	10-26-20	0.8016g	0.7998g	0.018g	0.1%
13378-015-0001-SA	* These samples comped to #21 — RR 10-26-20					
13378-016-0001-SA						
13378-017-0001-SA						
13378-018-0001-SA						
13378-019-0001-SA						
13378-020-0001-SA						
13378-021-0001-SA	RR	10-26-20	0.8208g	0.8176g	0.032g	0.3%

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13378 Extraction Date: 2020-10-26 Extraction Chemist: RR

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 1 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 200507A Vial: 2 Chemist/Witness/Date
05498-001-0001-MB	10.00g	NA	RR 10.26.20	NA	RR KC 10.27.20
05498-001-0001-OPR	10.00g	↓	↓	RR 10.26.20	↓
13378-007-0001-SA	10.95g	↓	↓	NA	↓
13378-014-0001-SA	10.56g	↓	↓	↓	↓
13378-021-0001-SA	10.13g	↓	↓	↓	↓

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 #: 13378

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	PCB-KOH	NA	NA	Amt: 10.0uL ID: 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05498-001-0001-MB	RR 10-27-20	NA	NA	RR 10-27-20
05498-001-0001-OPR	↓	↓	↓	↓
13378-007-0001-SA	↓	↓	↓	↓
13378-014-0001-SA	↓	↓	↓	↓
13378-021-0001-SA	↓	↓	↓	↓

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

Comments:

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

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

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

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

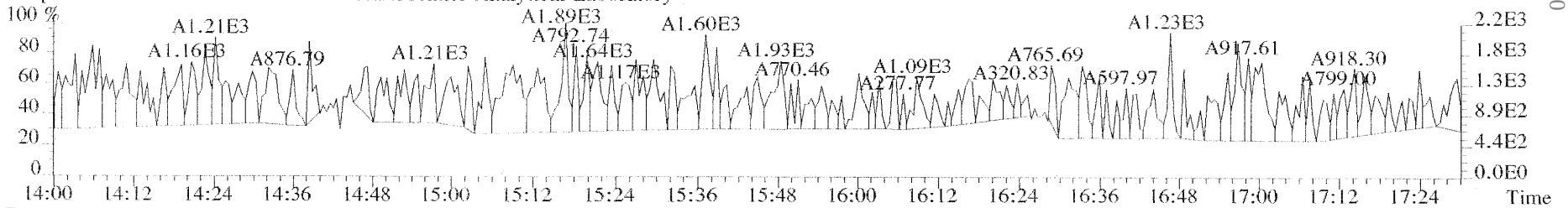
PCB-127	*	*	n	NotFnd	1.21	*	723	657	0.691			
PCB-126	*	*	n	NotFnd	1.28	*	723	657	0.768			
13C-PCB-126	1.67e+07	1.60	y	42:03	1.31	945				94.5	2.18e+06	1.35e+06
PCB-151	*	*	n	NotFnd	1.00	*	644	489	0.843			
PCB-135	*	*	n	NotFnd	1.01	*	644	489	0.837			
PCB-144	*	*	n	NotFnd	1.03	*	644	489	0.819			
PCB-147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

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

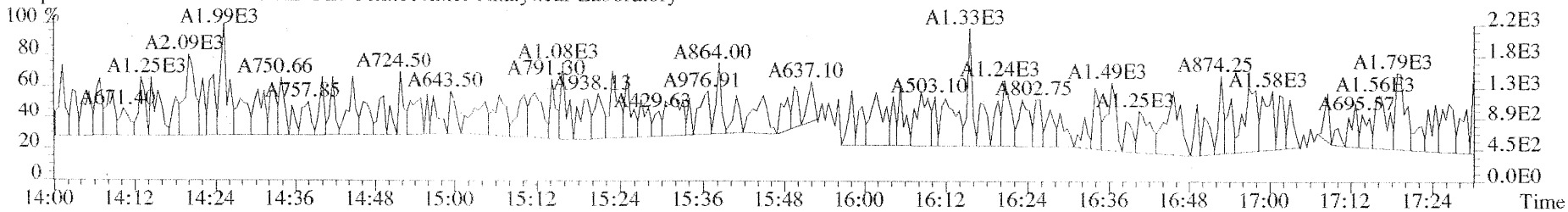
PCB-188	*	*	n	NotFnd	1.19	*	486	453	0.670			
13C-PCB-188	1.25e+07	1.05	y	39:43	0.92	1010				101	1.50e+06	1.44e+06
PCB-184	*	*	n	NotFnd	1.33	*	486	453	0.616			
PCB-179	*	*	n	NotFnd	1.26	*	486	453	0.651			
PCB-176	*	*	n	NotFnd	1.20	*	486	453	0.685			
PCB-186	*	*	n	NotFnd	1.22	*	486	453	0.671			
PCB-178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

Analyst: _____ Date: 11/9/20

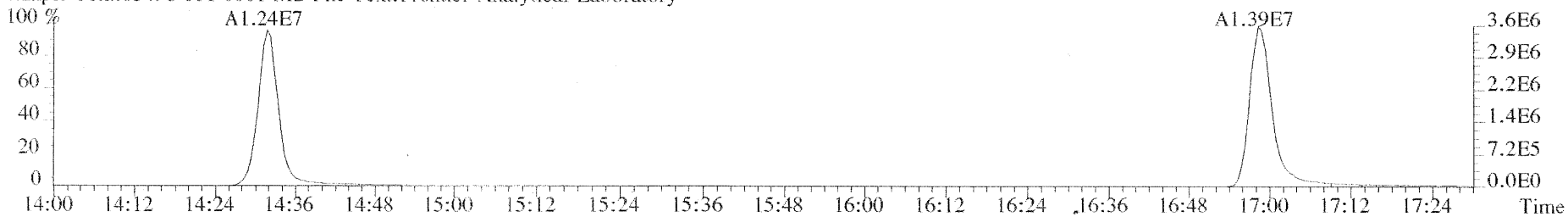
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



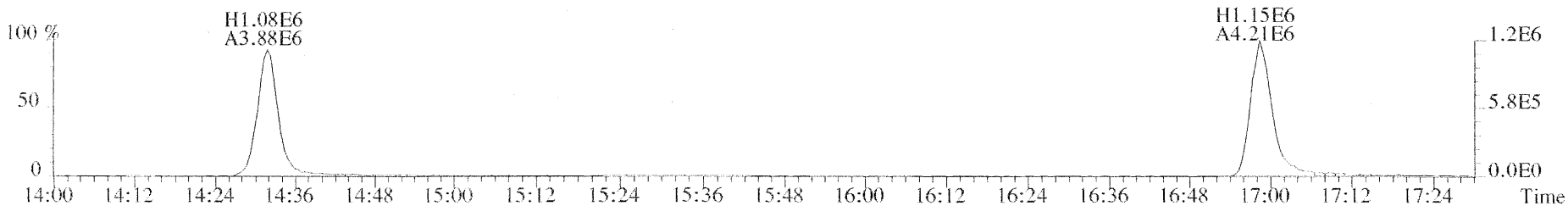
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



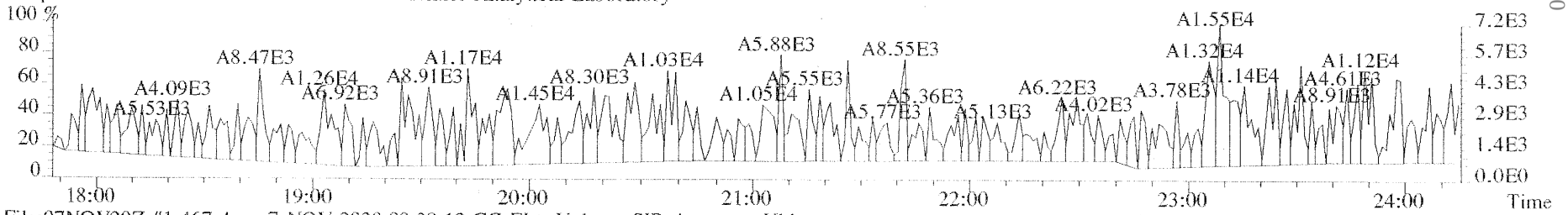
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



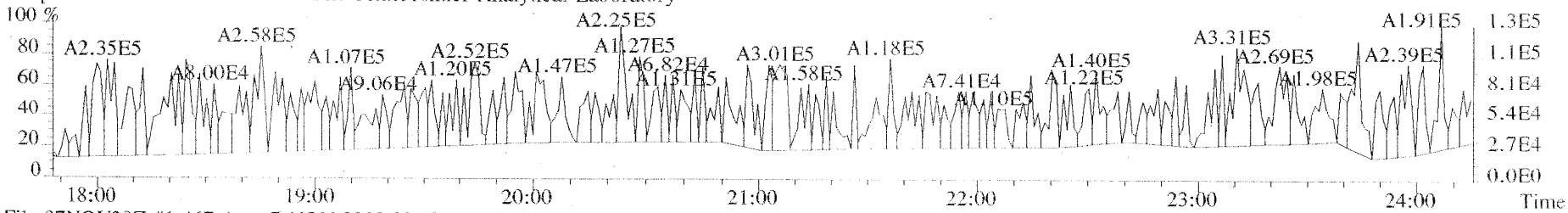
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



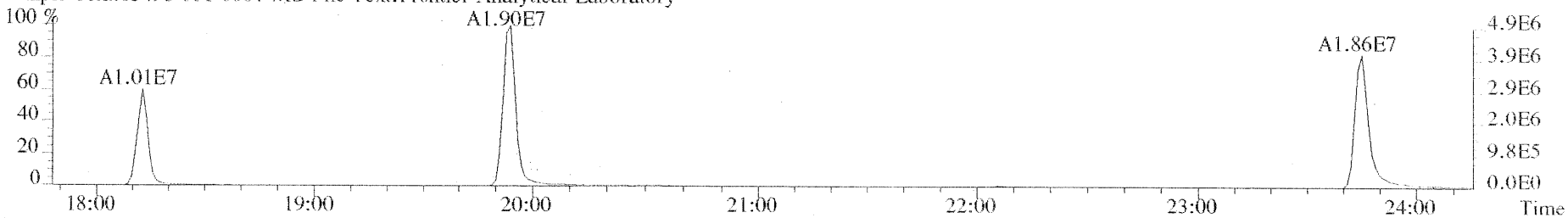
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



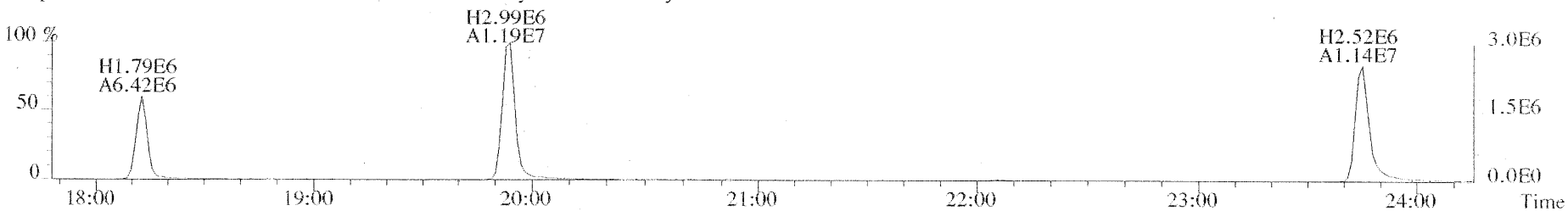
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



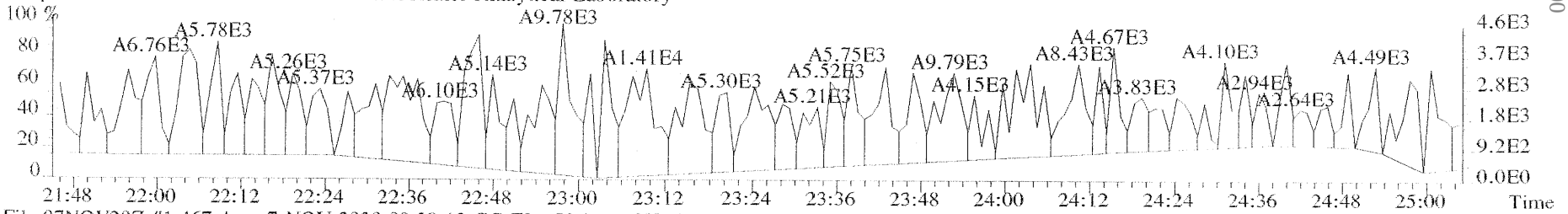
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



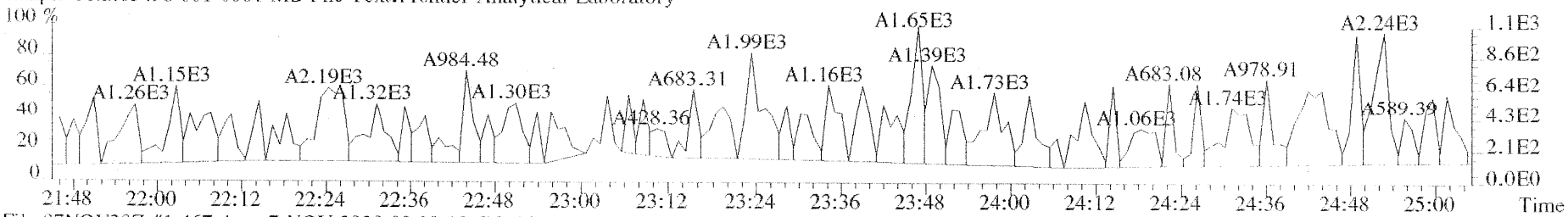
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



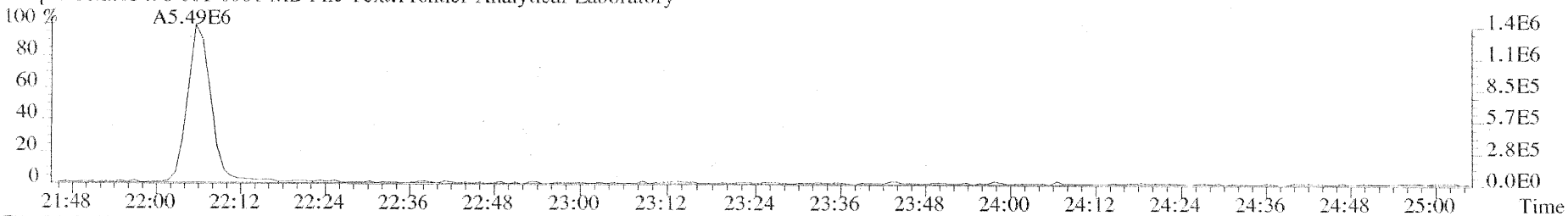
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



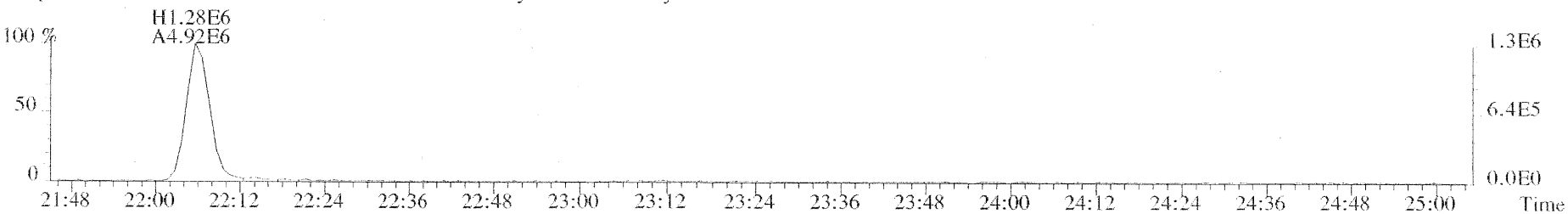
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



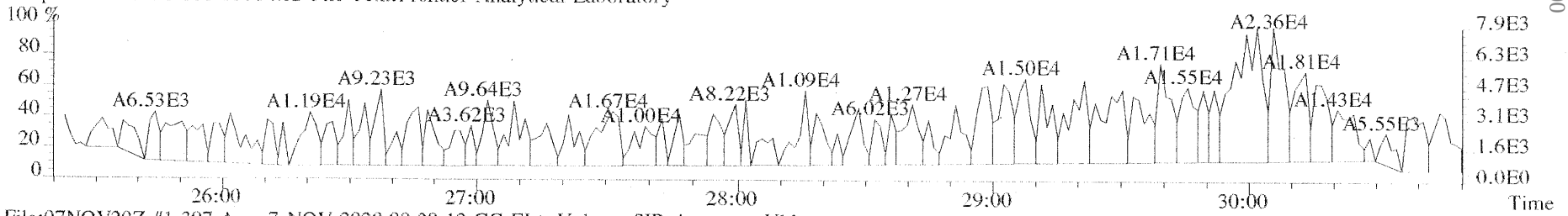
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



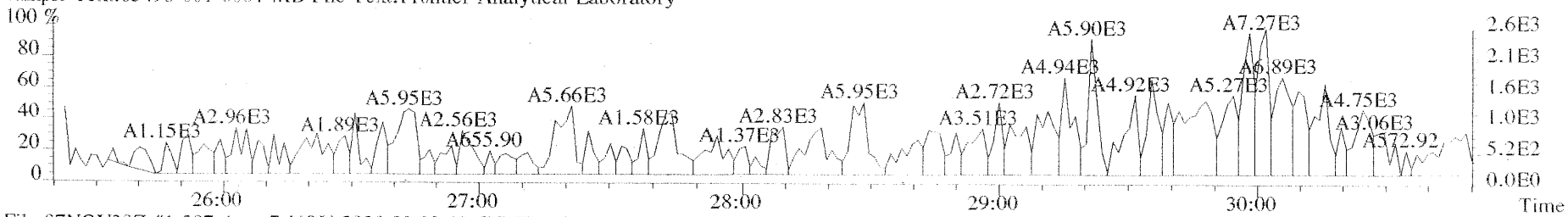
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



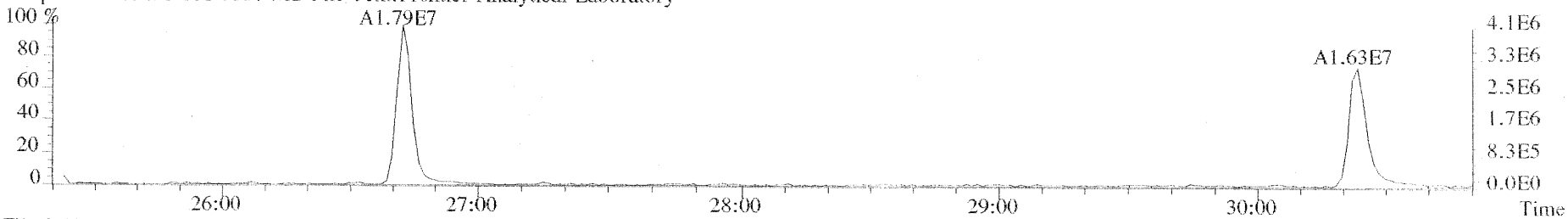
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



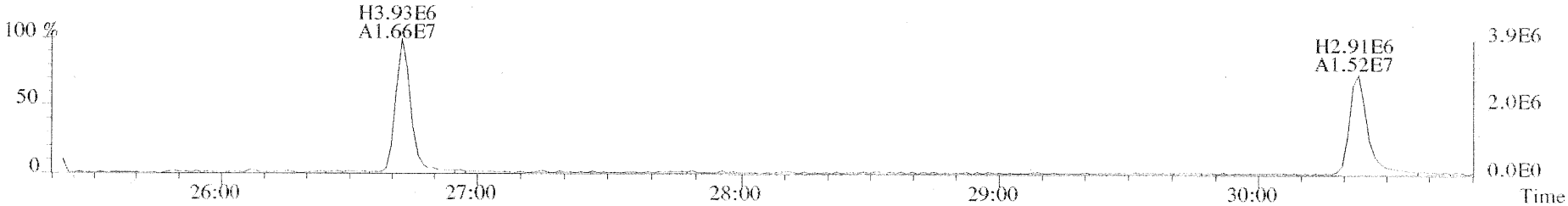
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



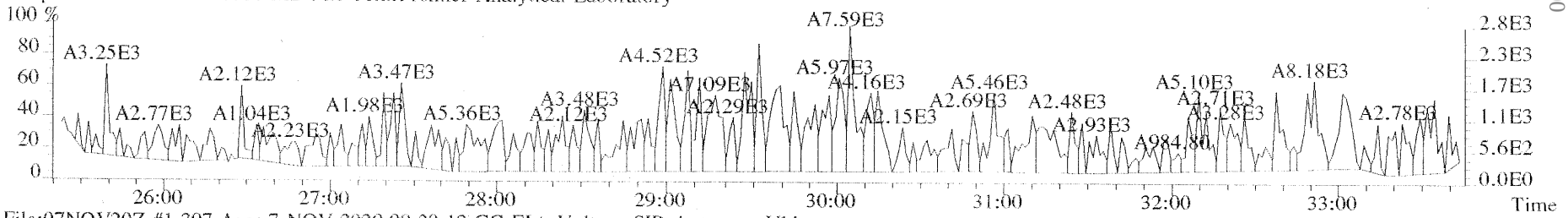
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



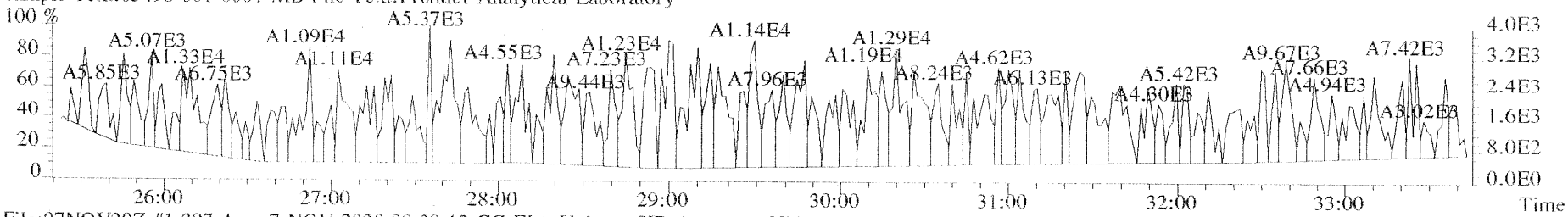
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



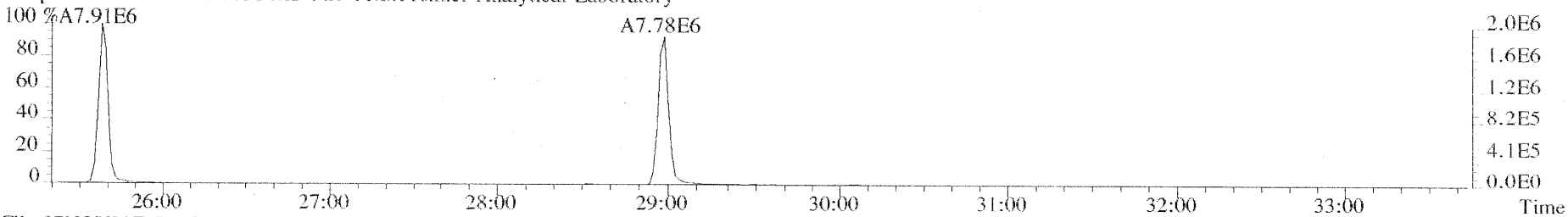
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



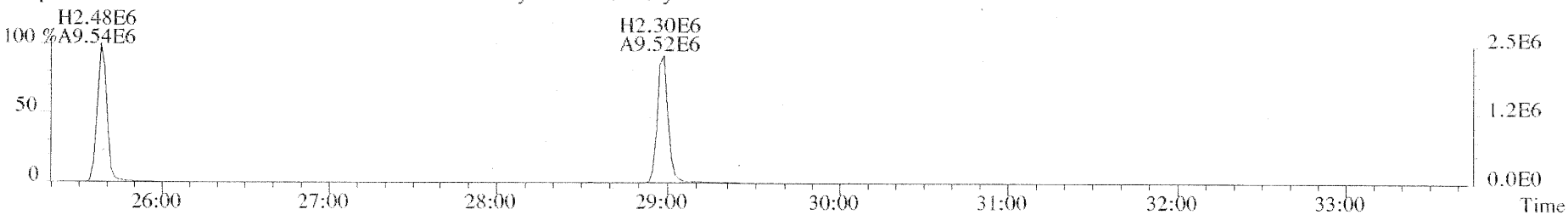
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



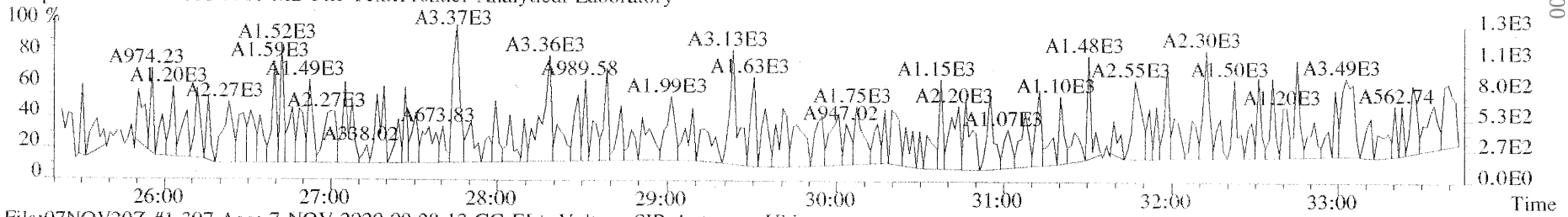
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



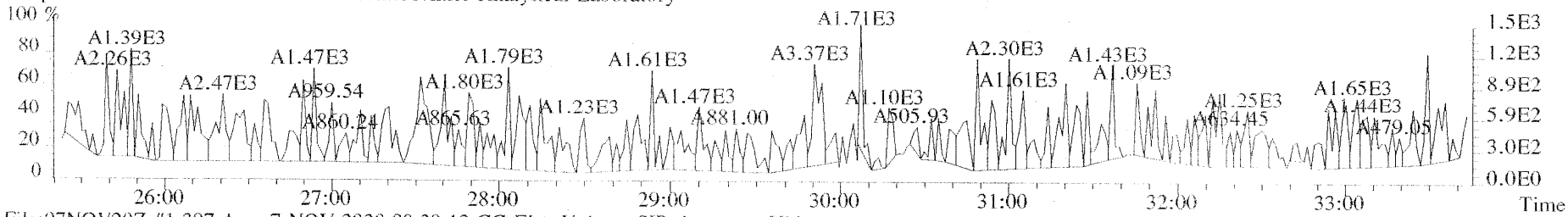
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



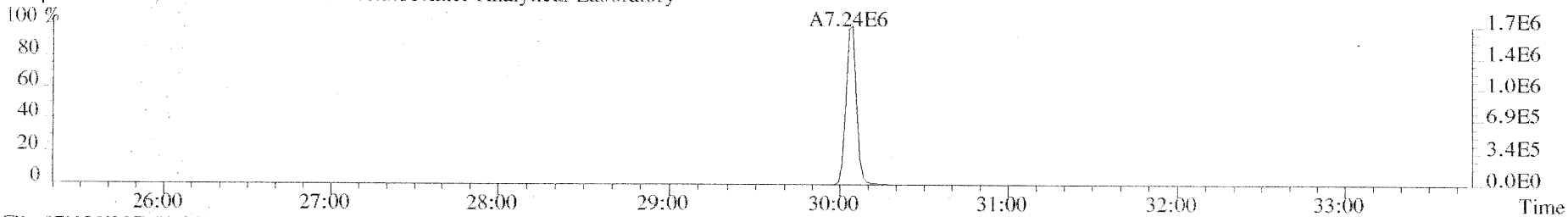
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



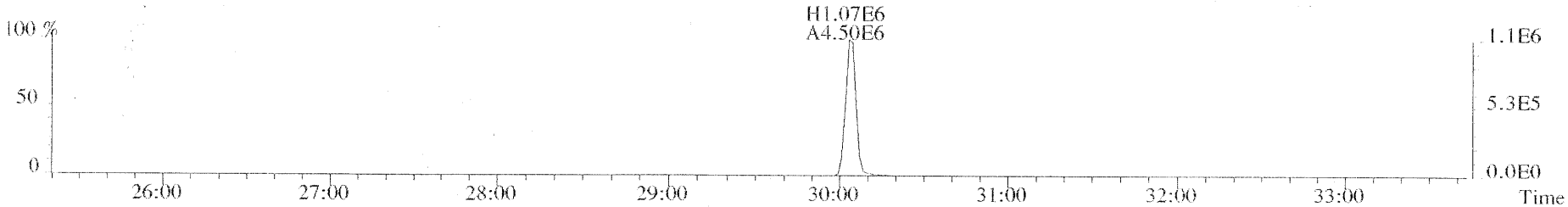
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



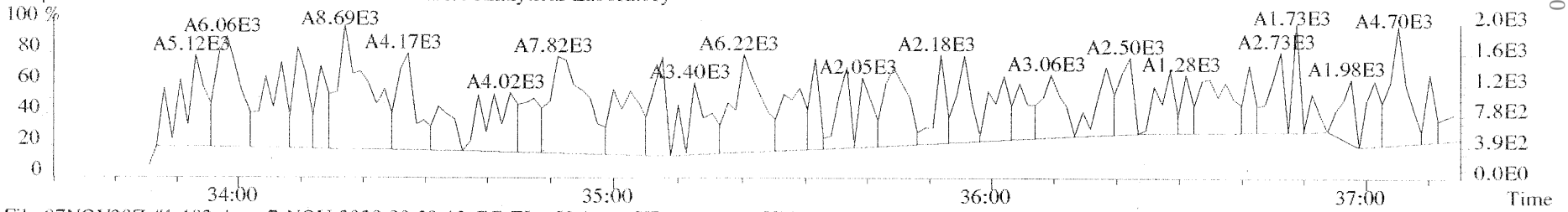
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



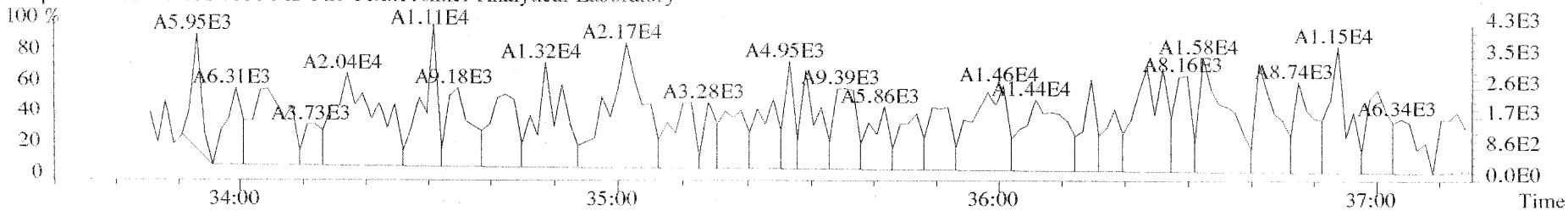
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



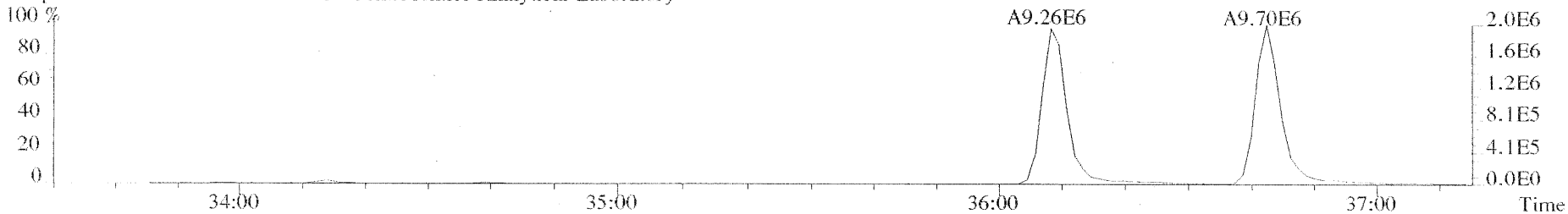
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



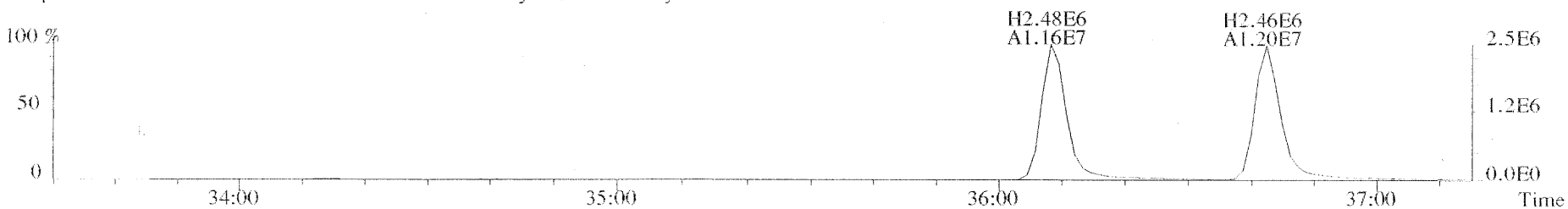
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



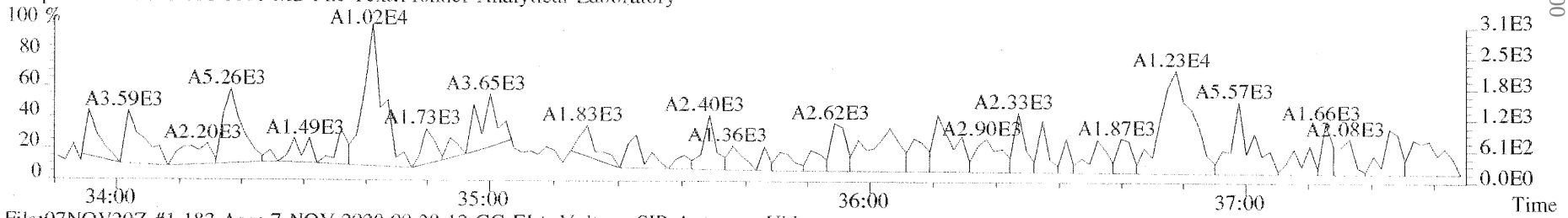
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



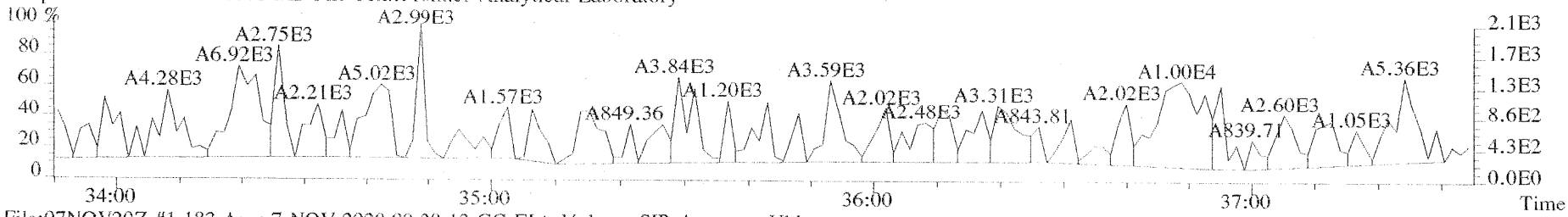
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



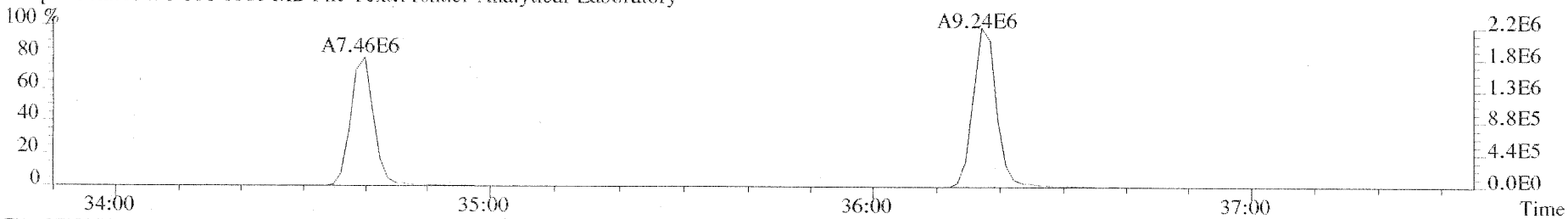
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



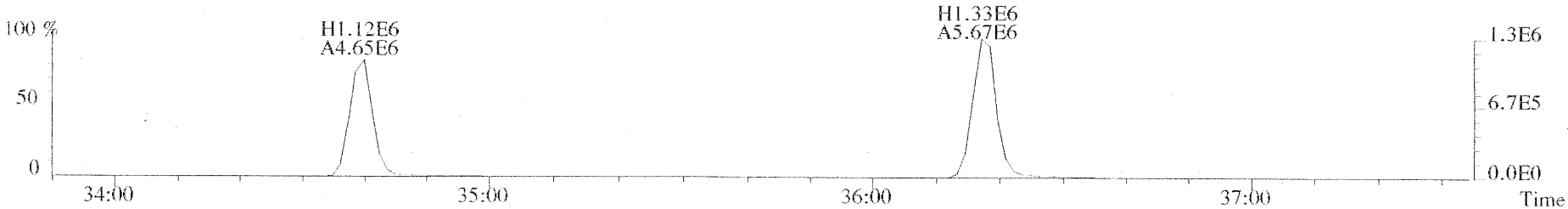
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



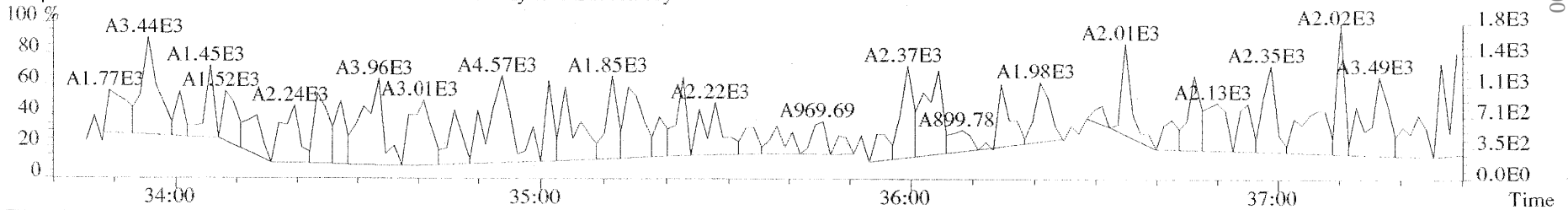
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



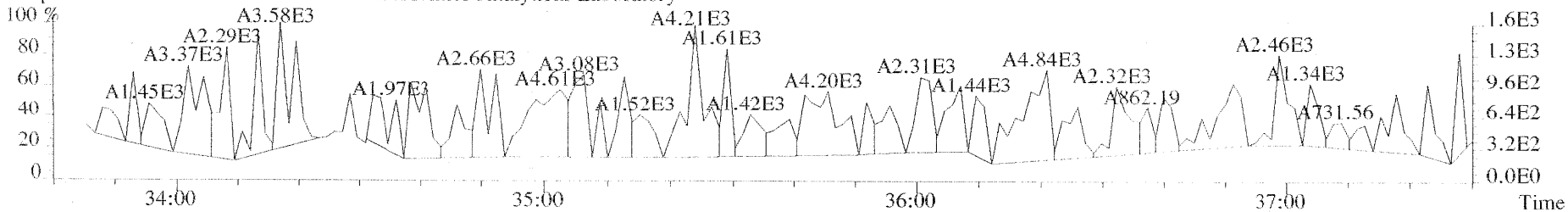
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



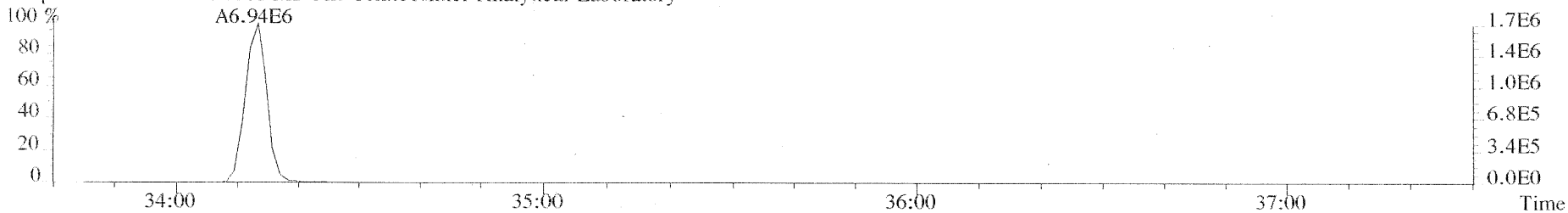
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



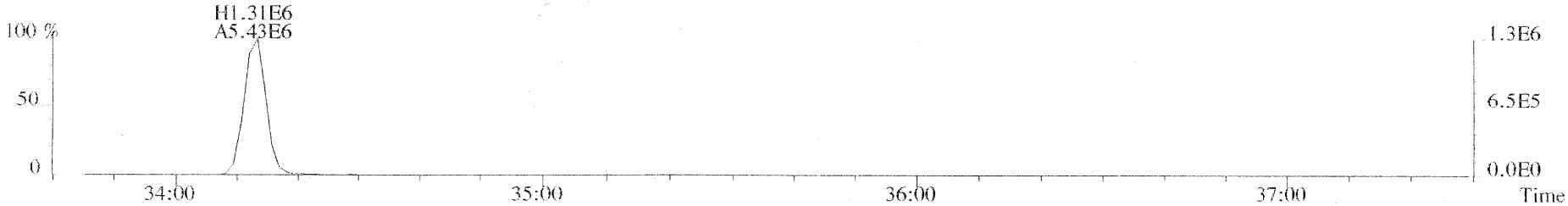
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



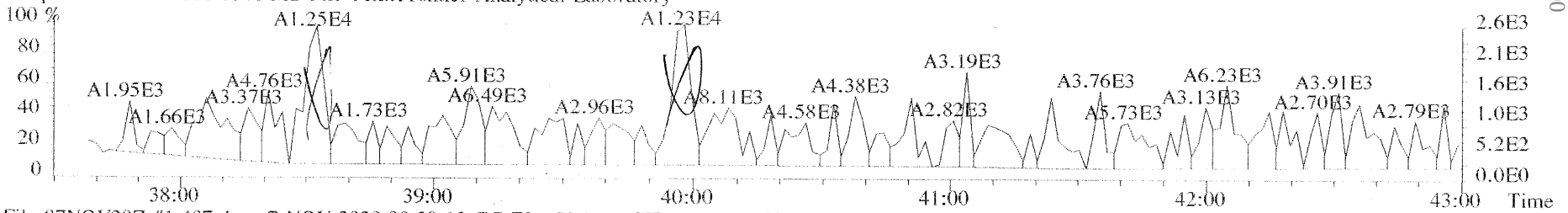
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



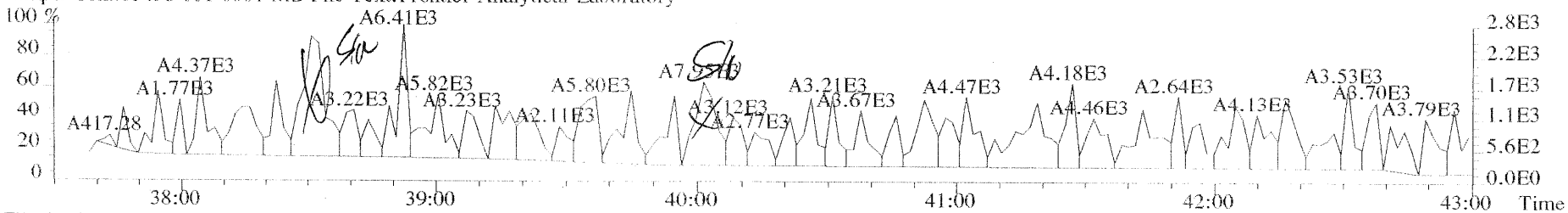
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



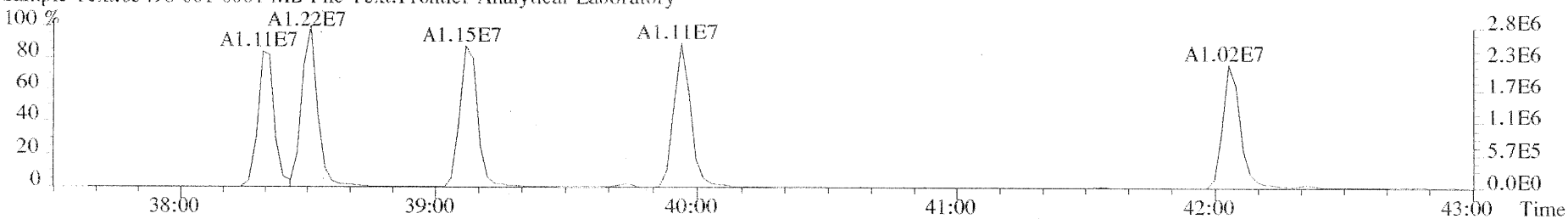
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



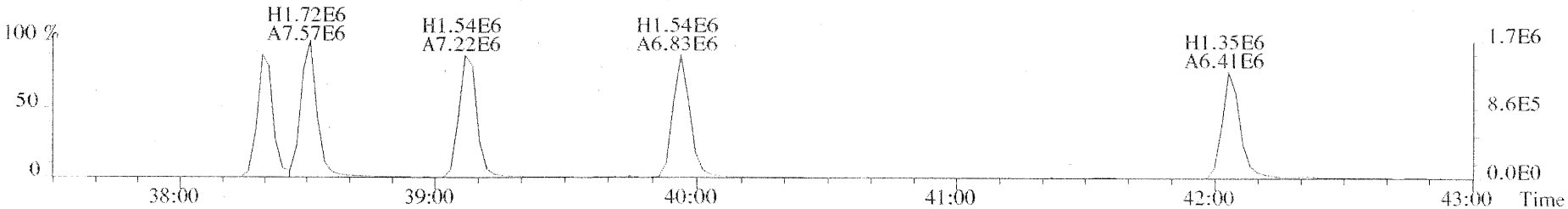
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



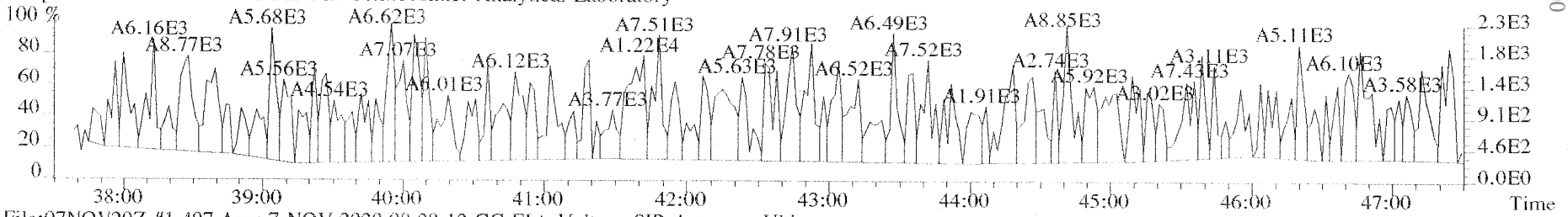
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



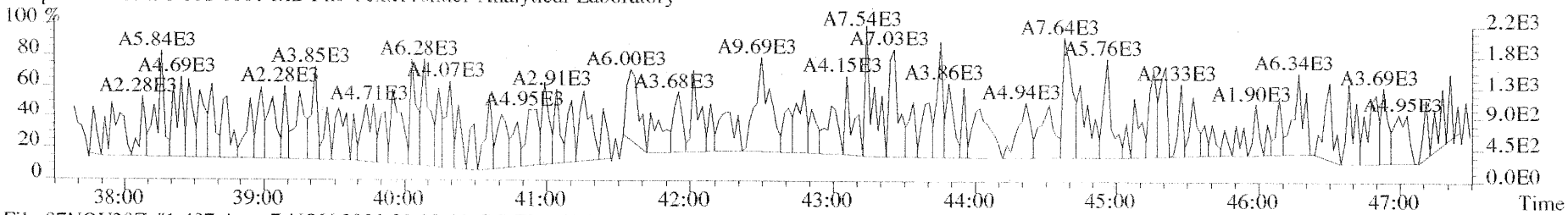
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



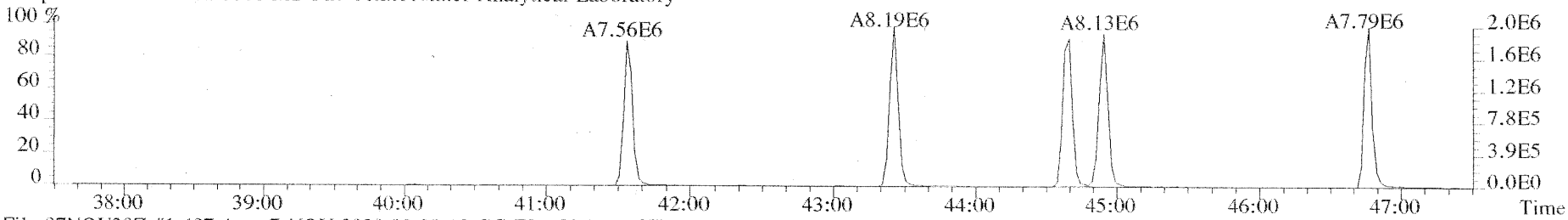
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



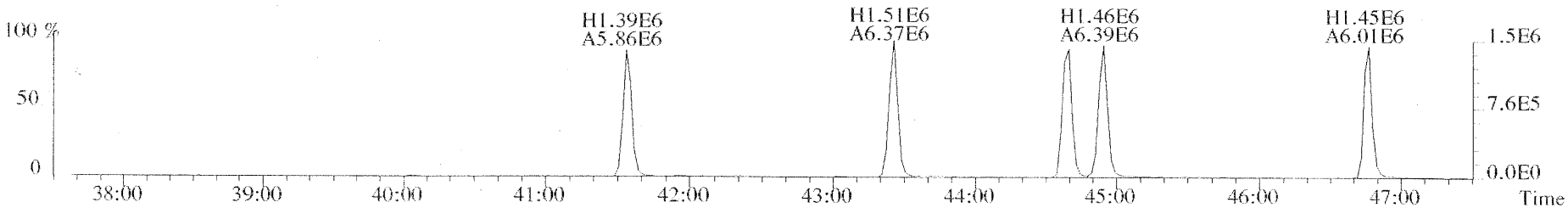
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



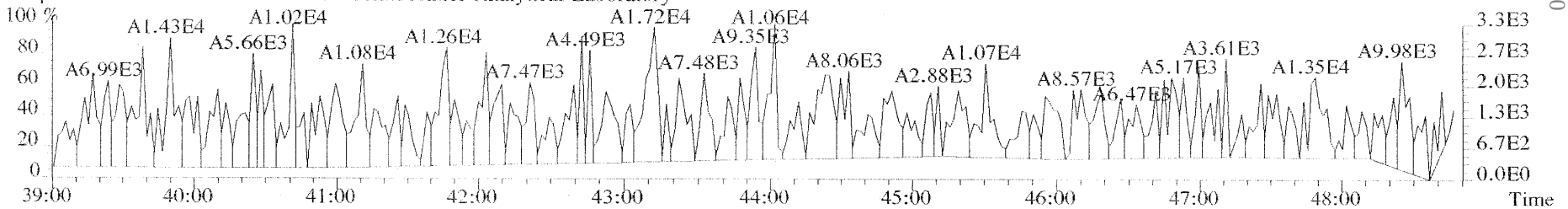
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



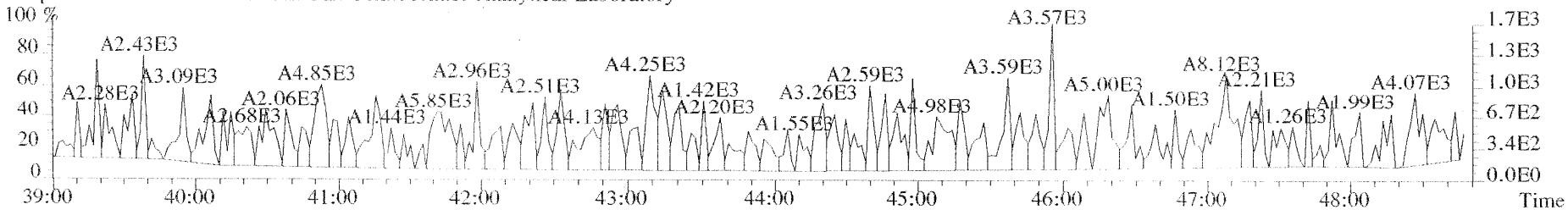
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



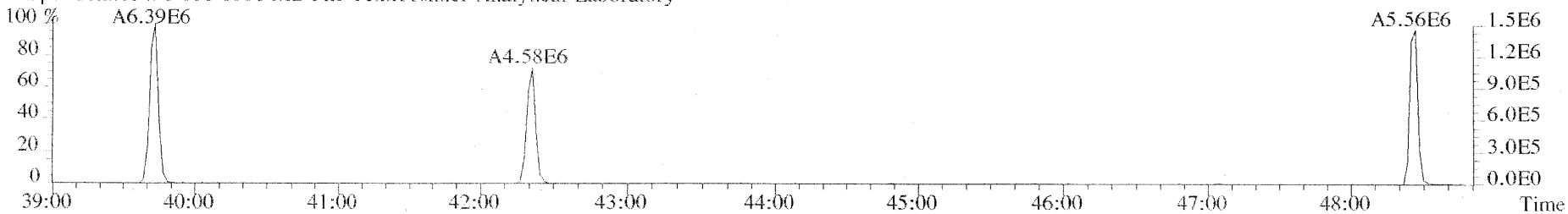
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



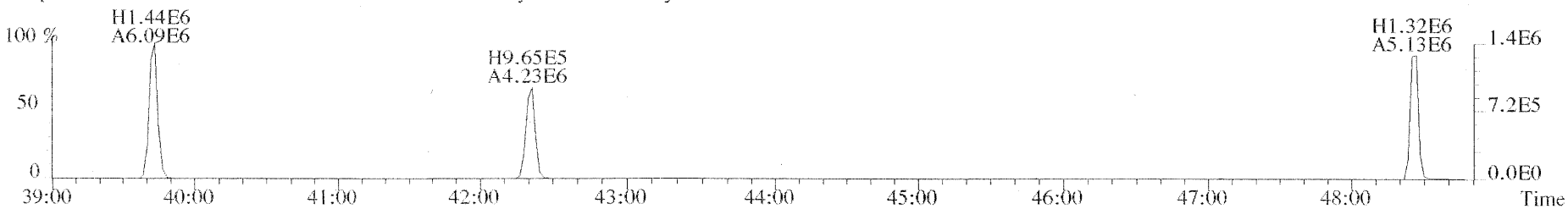
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



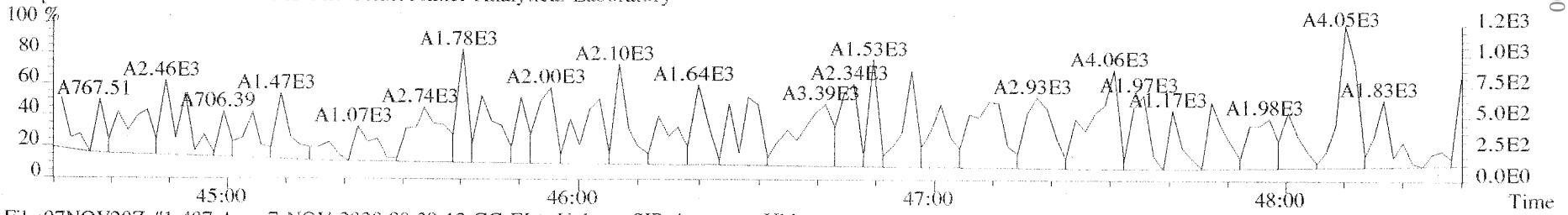
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



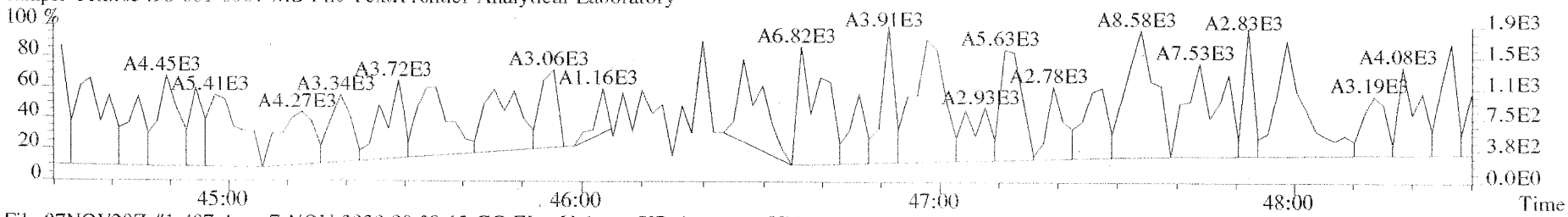
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



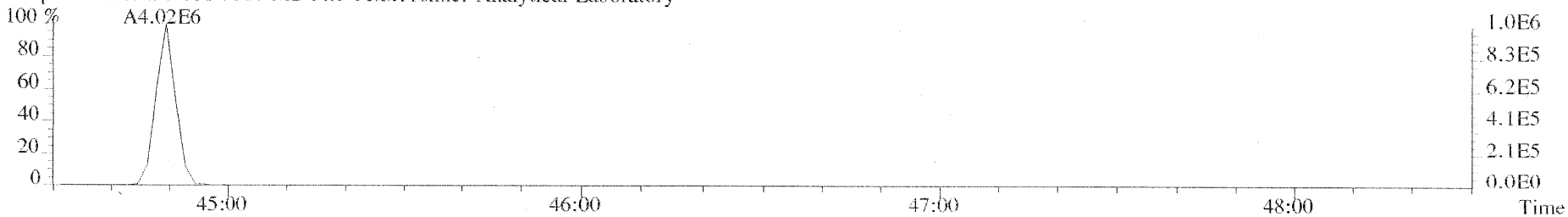
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



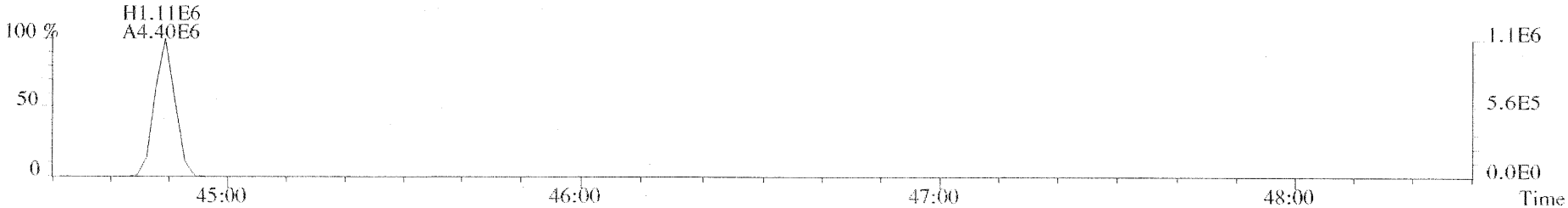
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



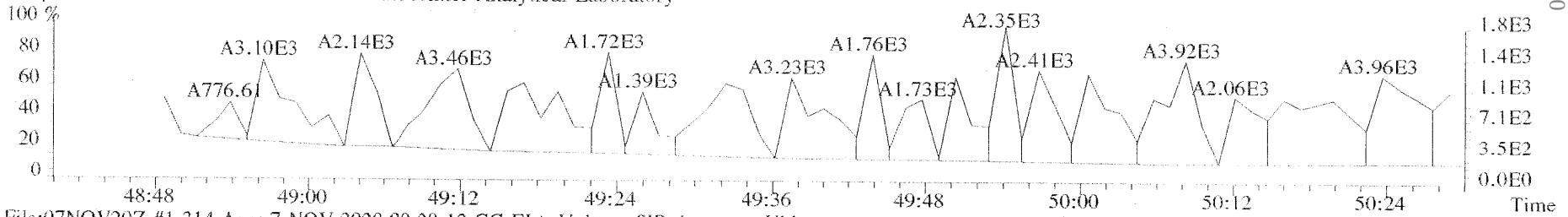
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



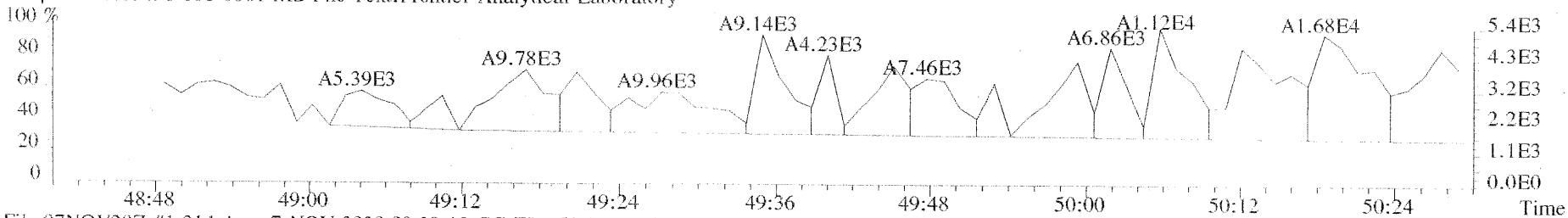
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



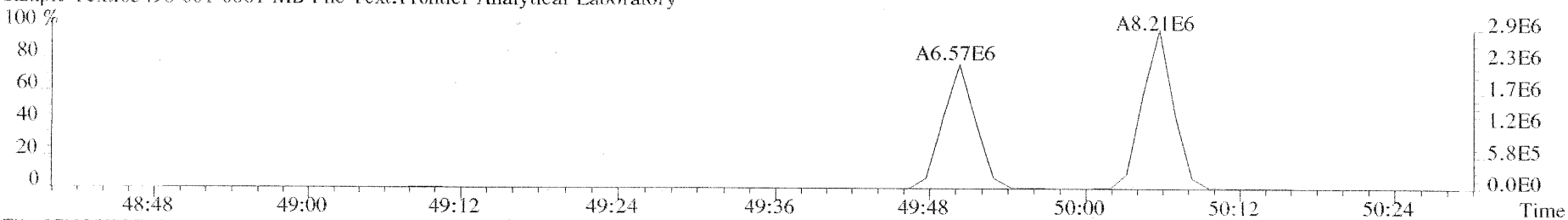
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



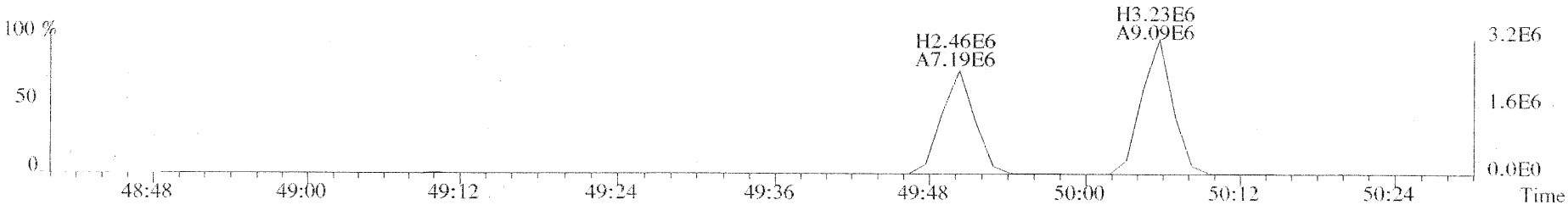
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



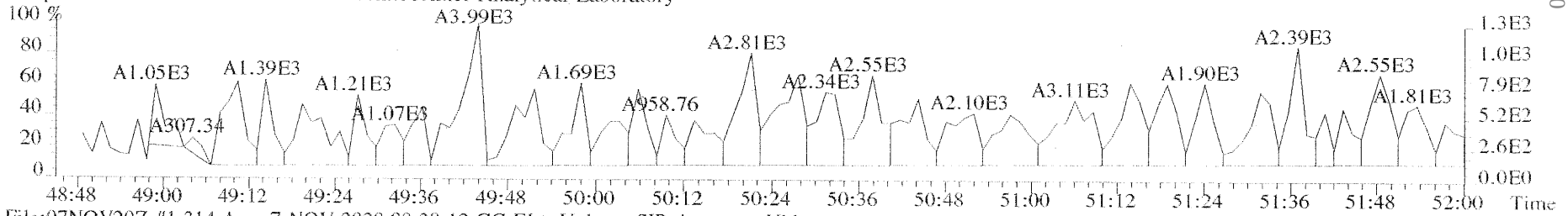
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



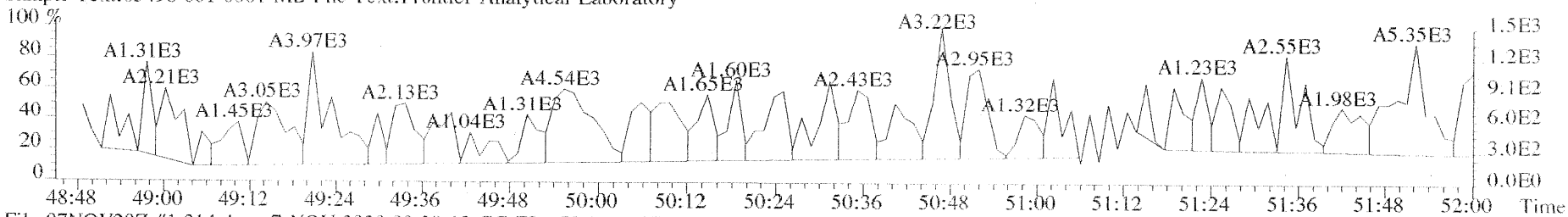
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



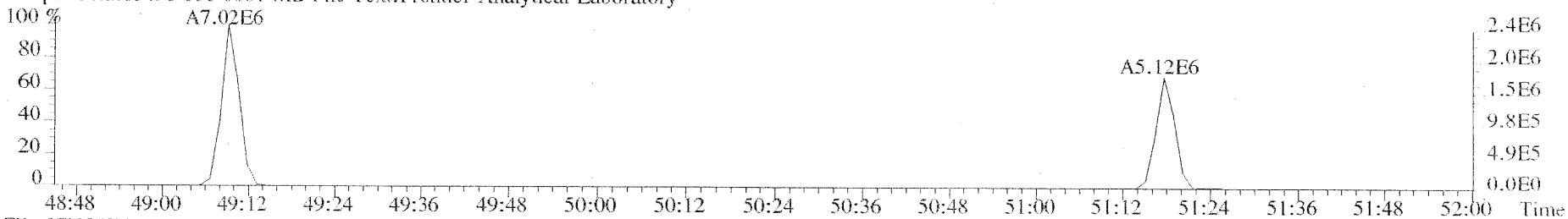
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



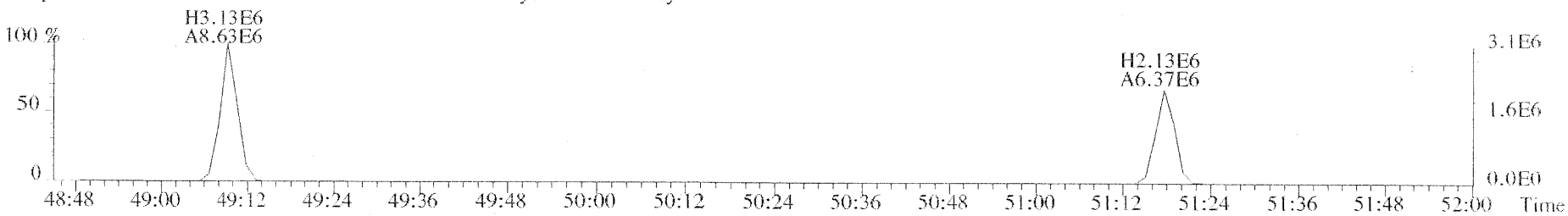
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



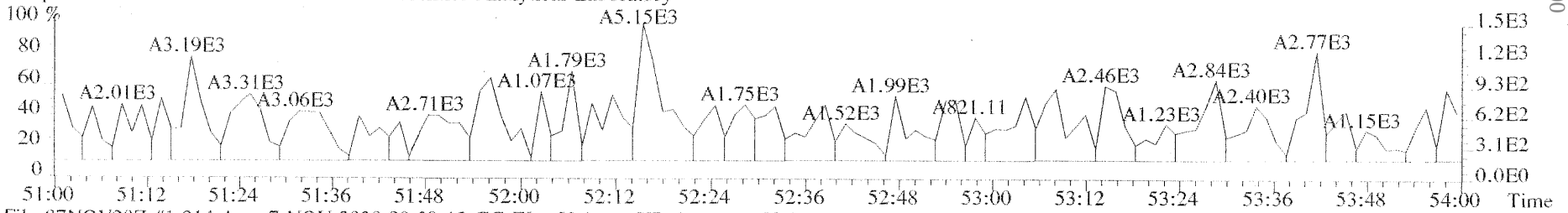
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



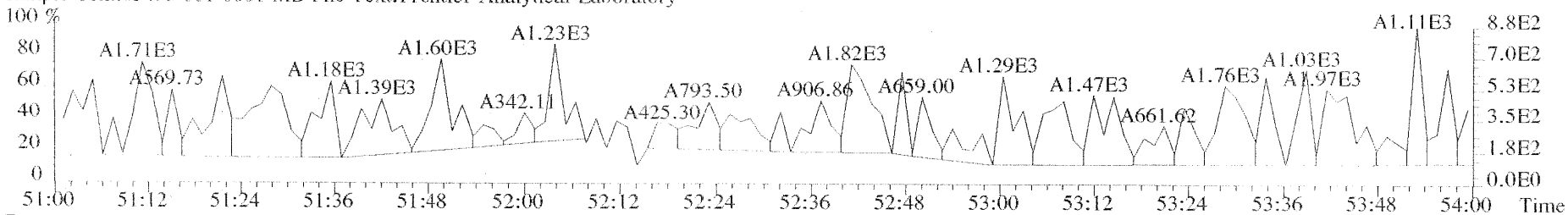
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



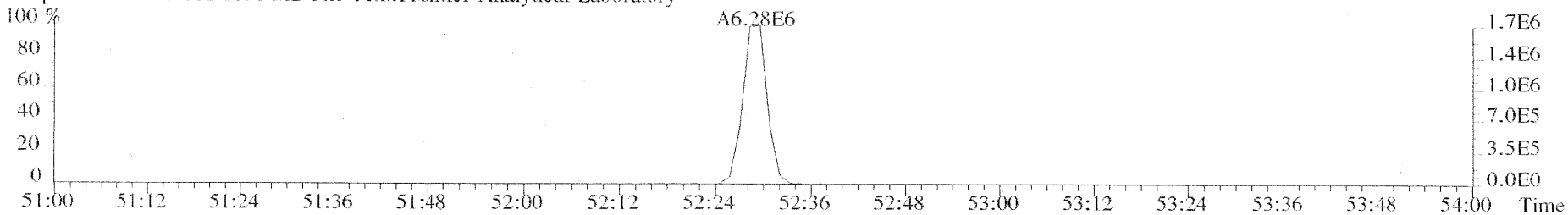
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



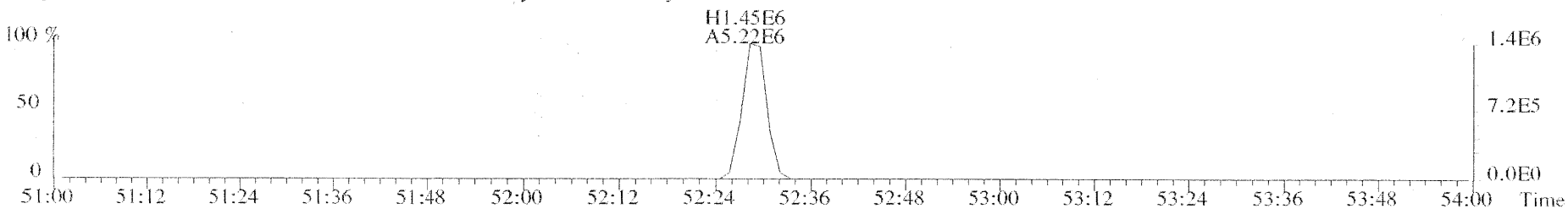
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

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

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

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

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

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

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

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

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

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

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

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

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

FAL ID: 05498-001-0001-OPR Filename: 07NOV20Z Sam:2 Acquired: 7-NOV-20 08:29:52 ICal: DAILY209FAL4-11-7-20 1 of 2
Client ID: OPR ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13371-12 GC Column: DB1MS Amount: 1.000

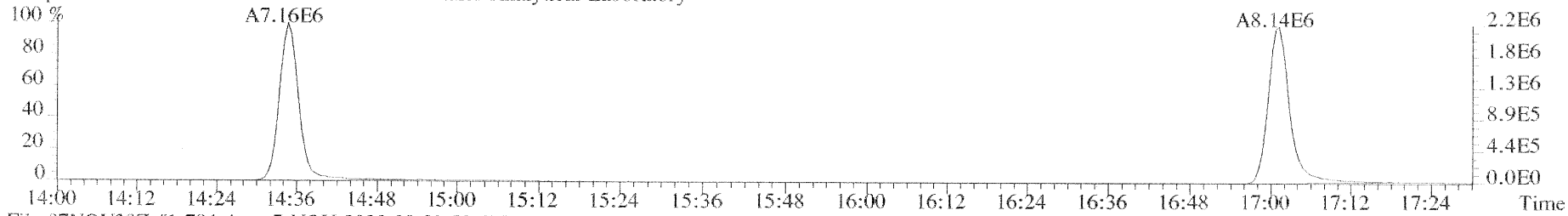
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	9.40e+06	3.19 y	14:35	1.37	49.4		2.50	-	-	*	
13C-PCB-1	1.39e+07	3.17 y	14:34	0.71	73.7		2.50				73.7
PCB-3	1.07e+07	3.19 y	17:01	1.40	48.5		2.50	-	-	*	
13C-PCB-3	1.58e+07	3.24 y	17:00	0.69	86.3		2.50				86.3
PCB-4	8.83e+06	1.37 y	18:16	1.08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

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

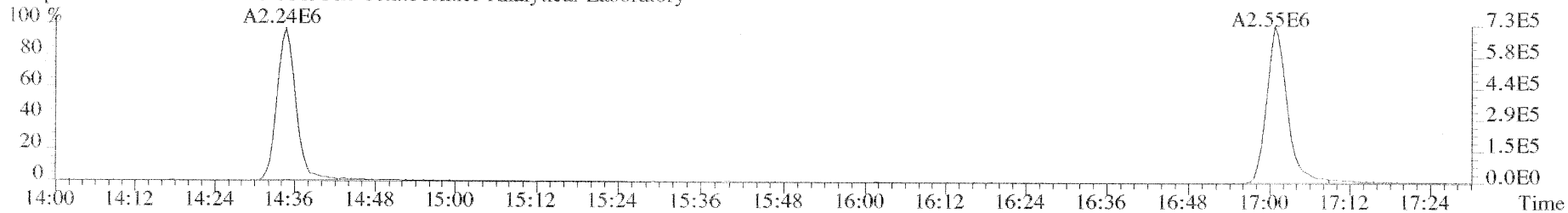
PCB-205	1.03e+07	0.90	y	50:07	1.18	48.8	2.50	-	-	*	
13C-PCB-205	1.80e+07	0.90	y	50:06	1.24	97.2	2.50				97.2
PCB-208	8.69e+06	1.35	y	49:10	1.11	49.7	2.50	-	-	*	
13C-PCB-208	1.58e+07	0.80	y	49:10	1.12	95.1	2.50				95.1
PCB-206	6.71e+06	1.35	y	51:19	1.13	50.9	2.50	-	-	*	
13C-PCB-206	1.16e+07	0.81	y	51:18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

Analyst: _____ Date: 11/9/20

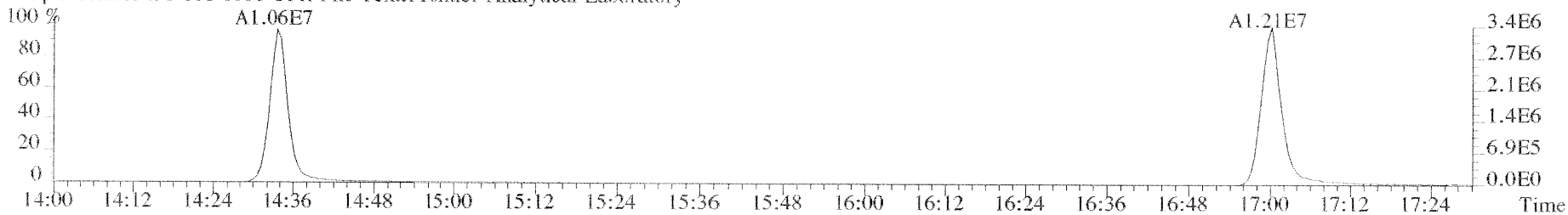
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



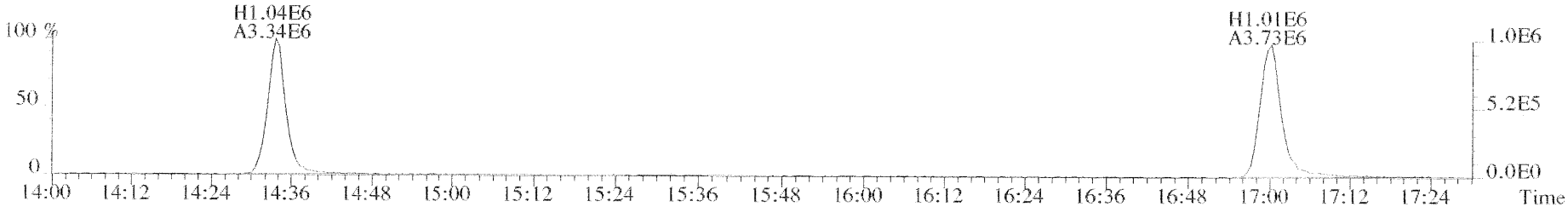
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



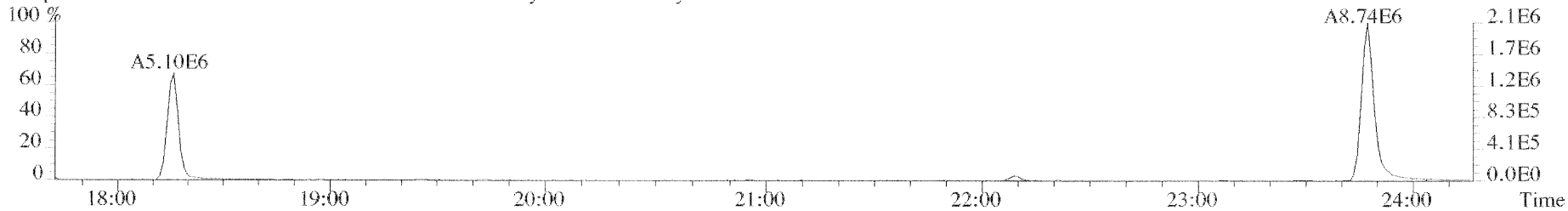
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



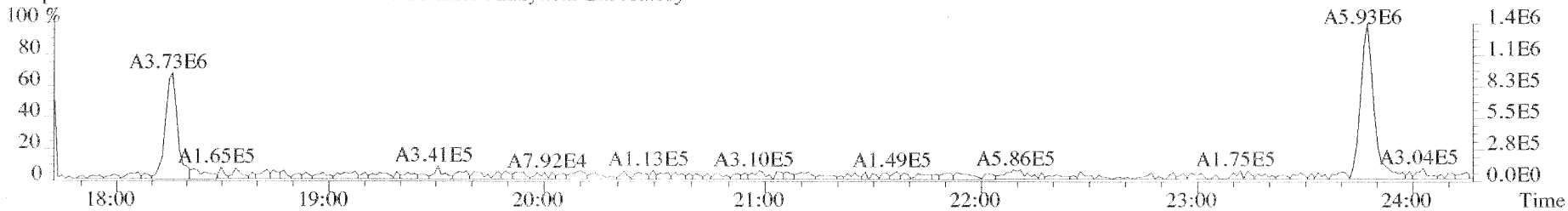
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



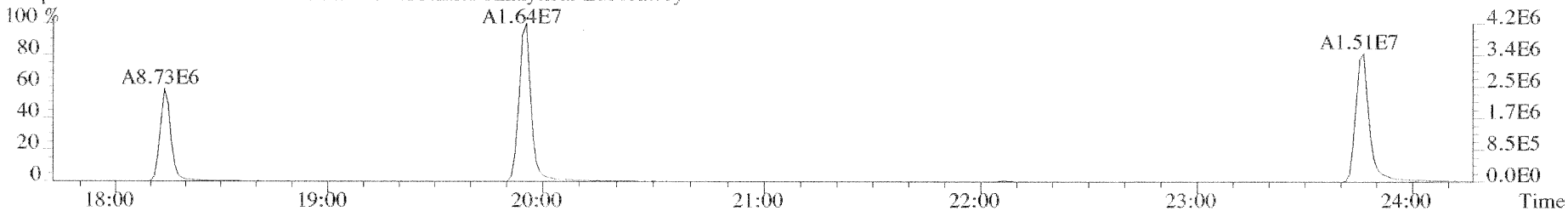
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



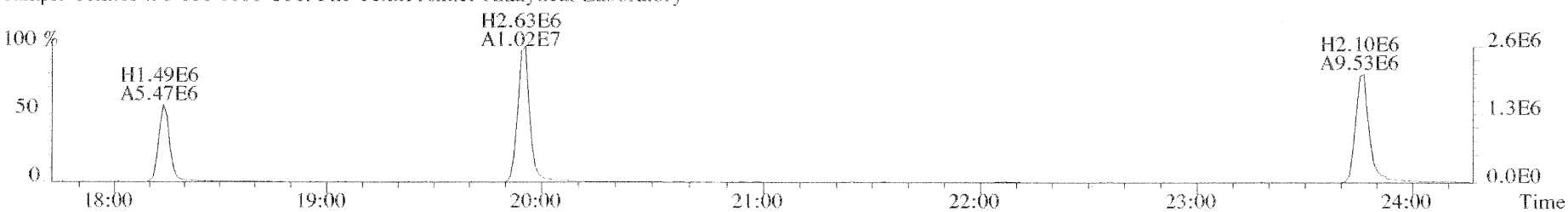
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



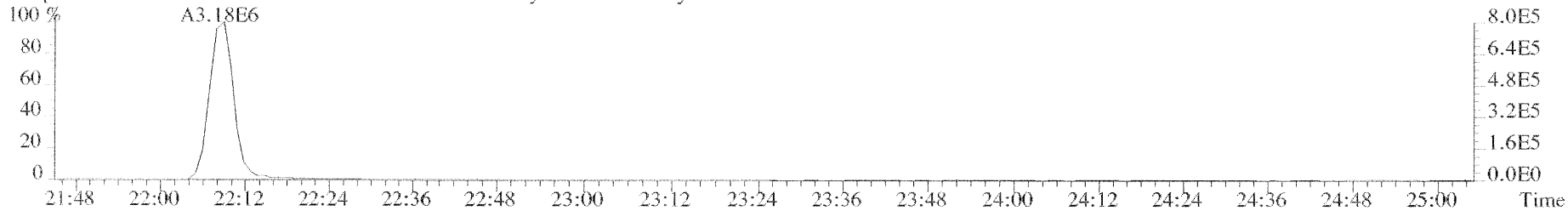
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



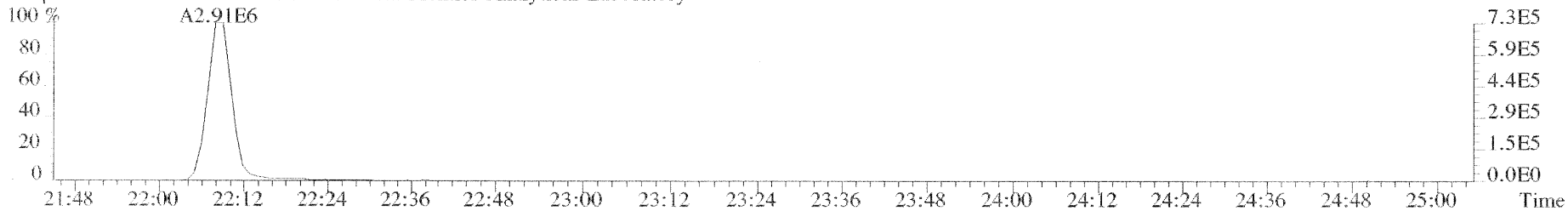
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



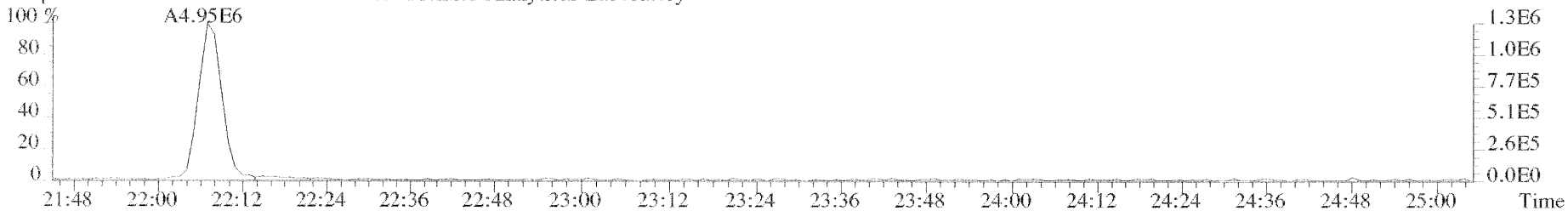
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



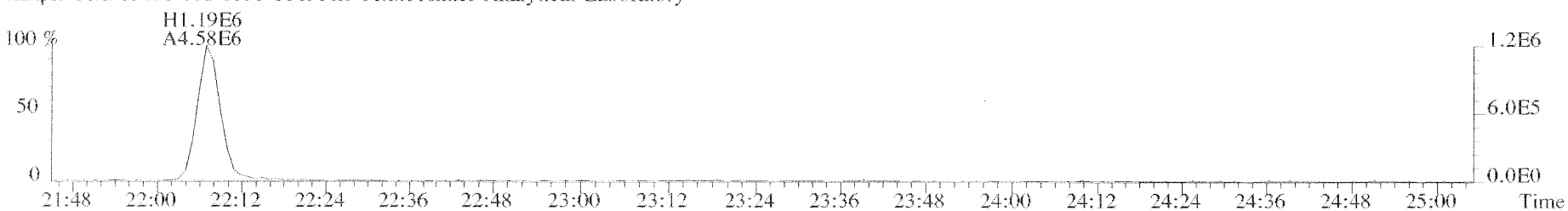
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



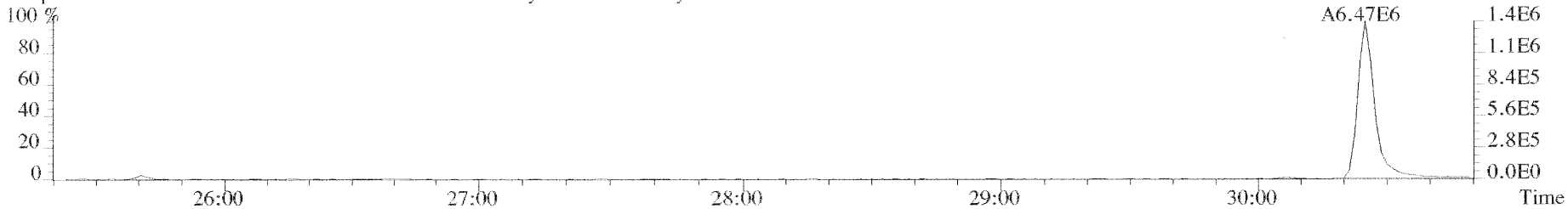
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



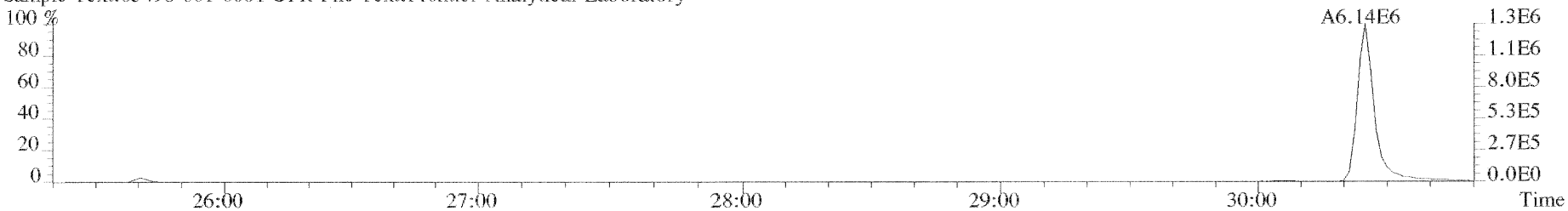
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



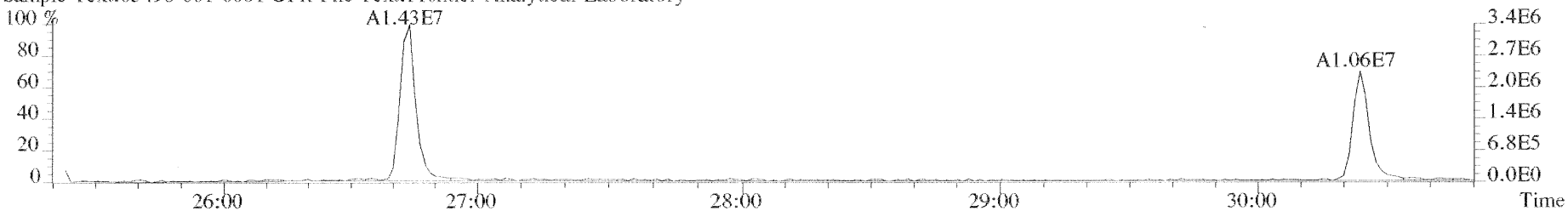
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



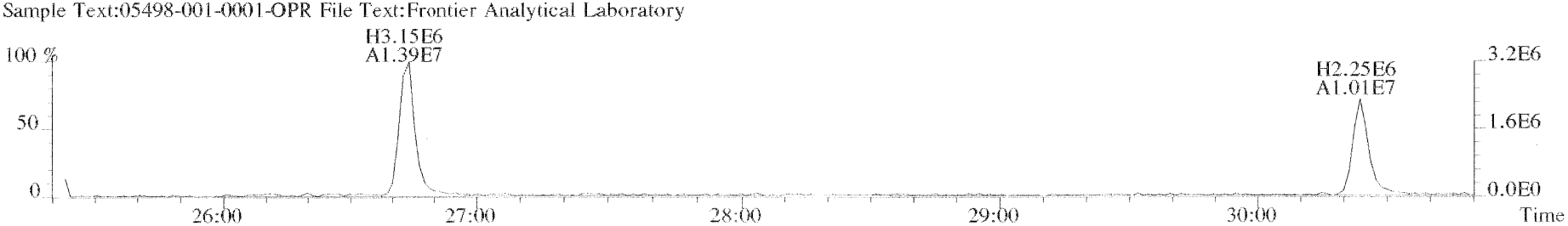
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



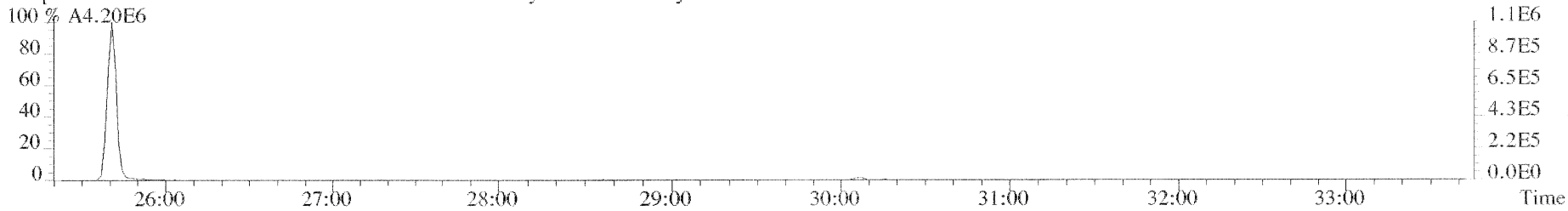
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



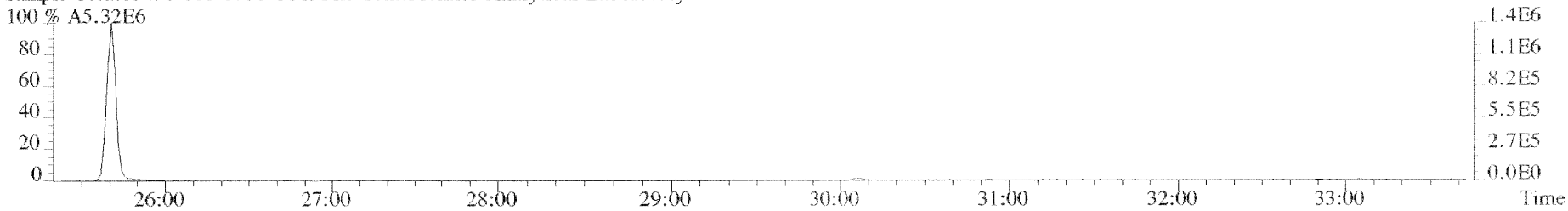
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



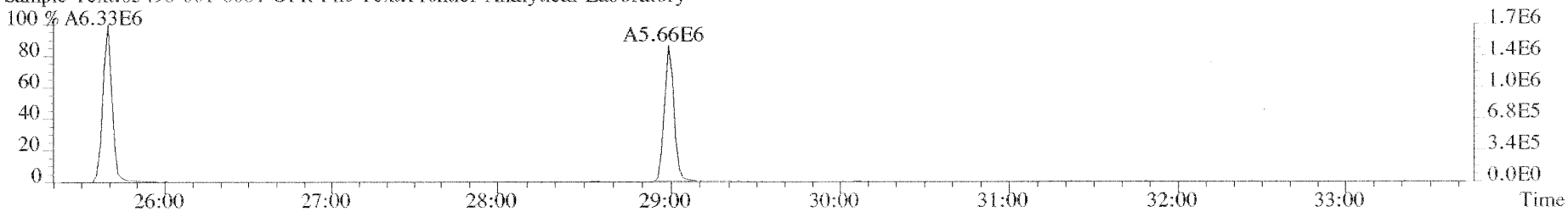
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



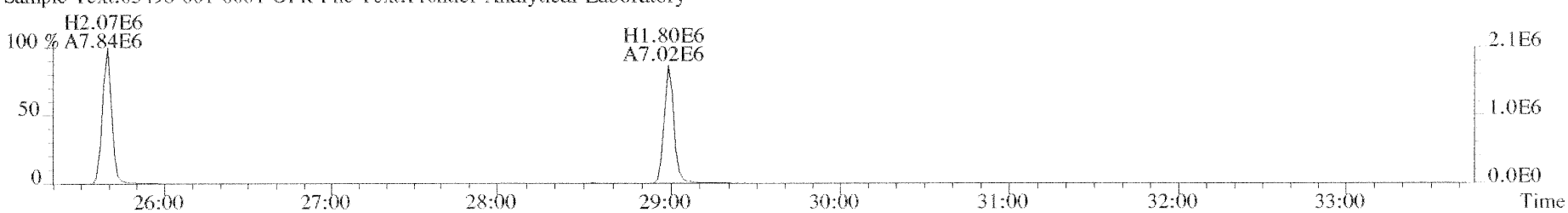
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



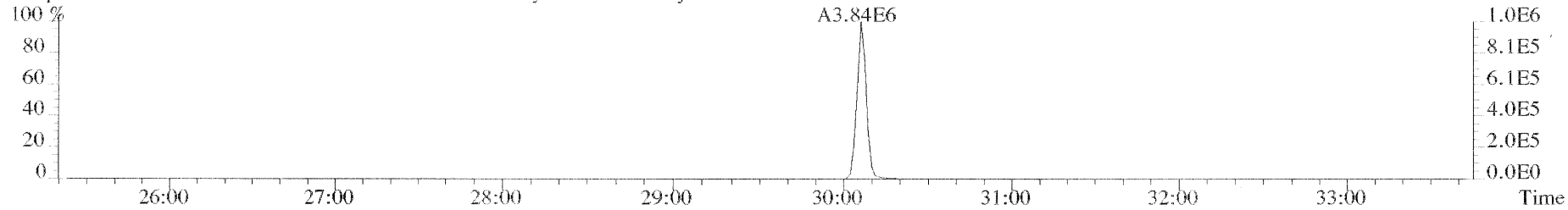
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



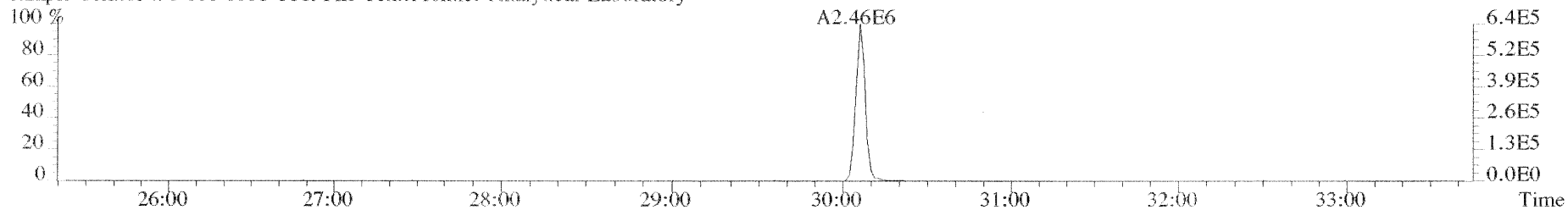
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



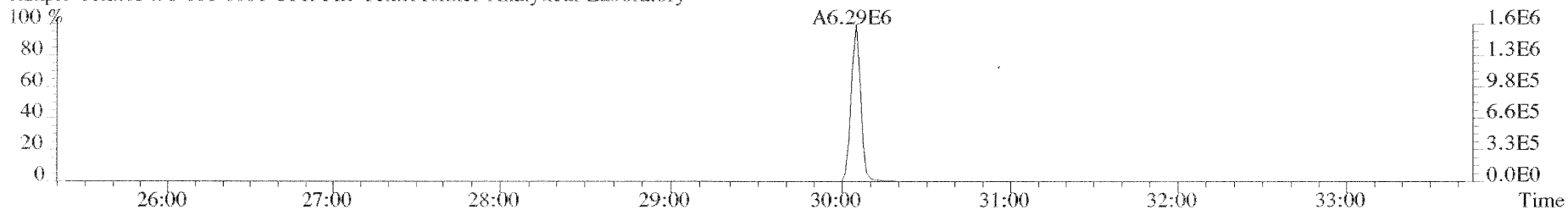
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



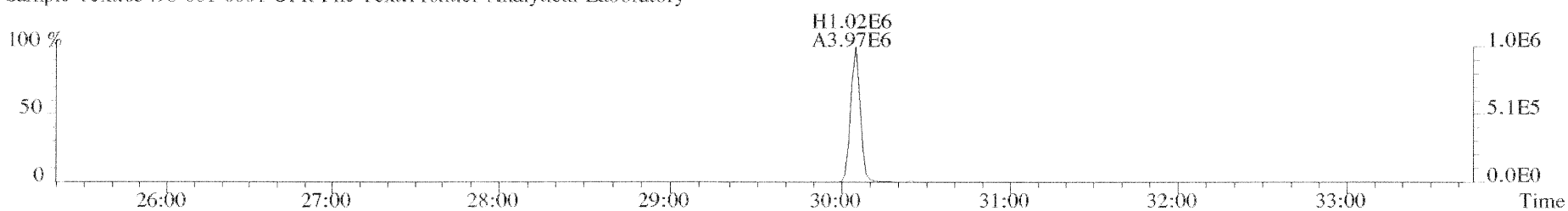
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



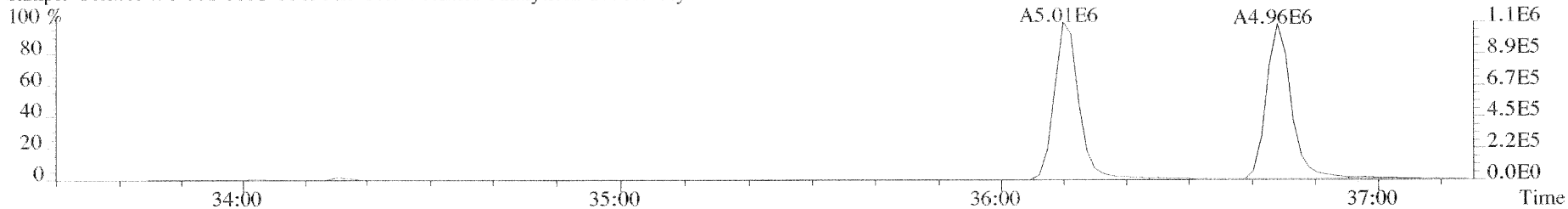
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



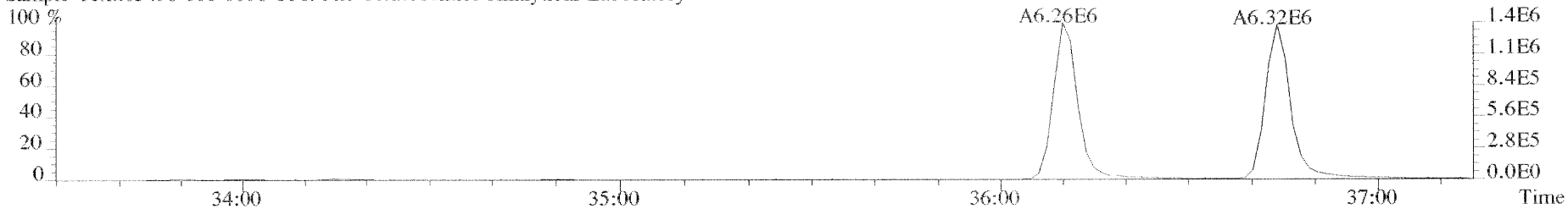
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



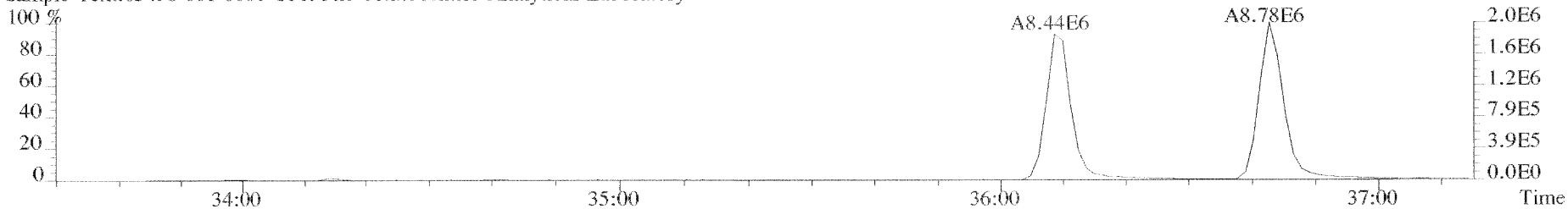
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



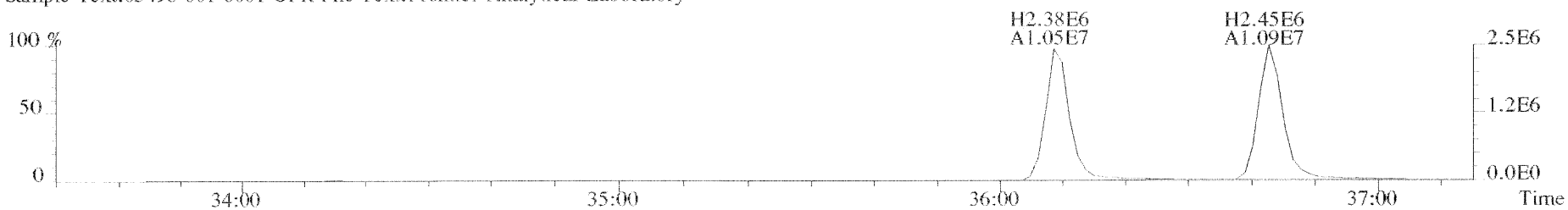
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



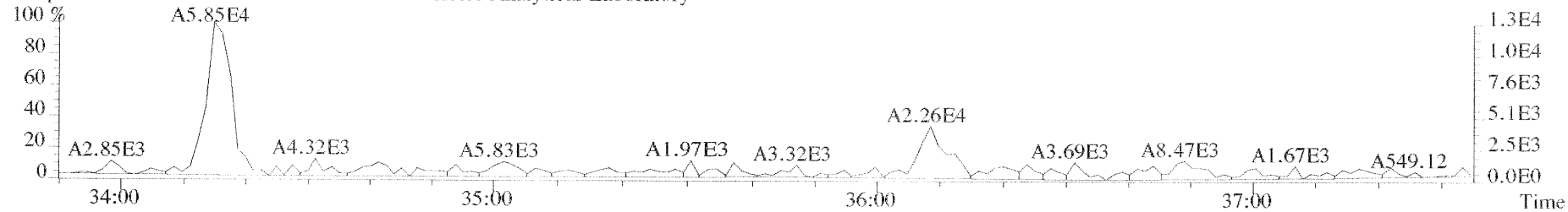
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



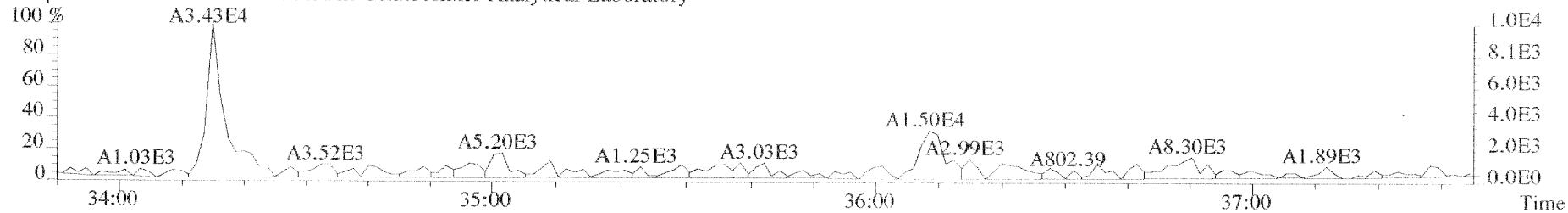
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



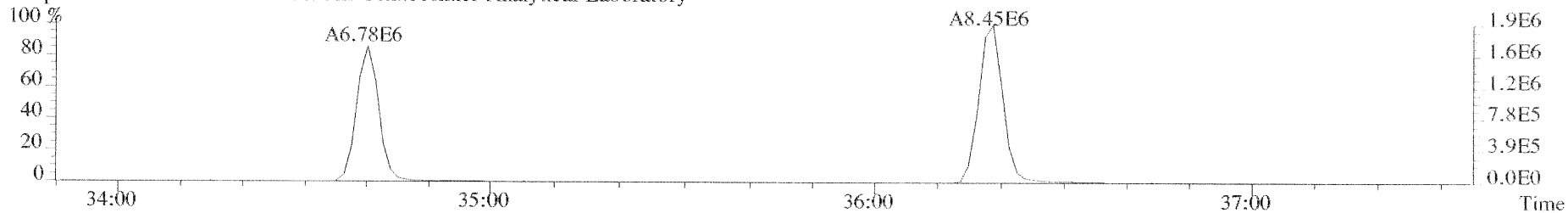
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



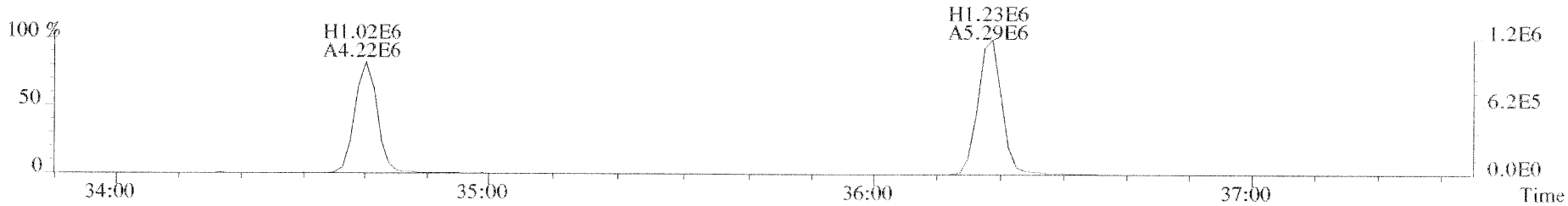
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



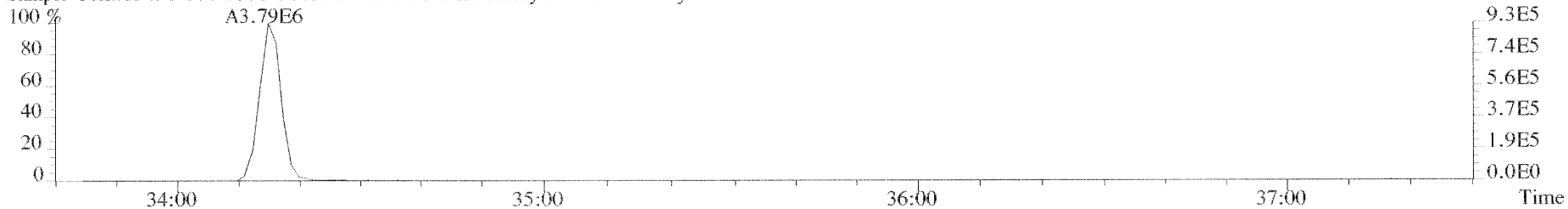
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



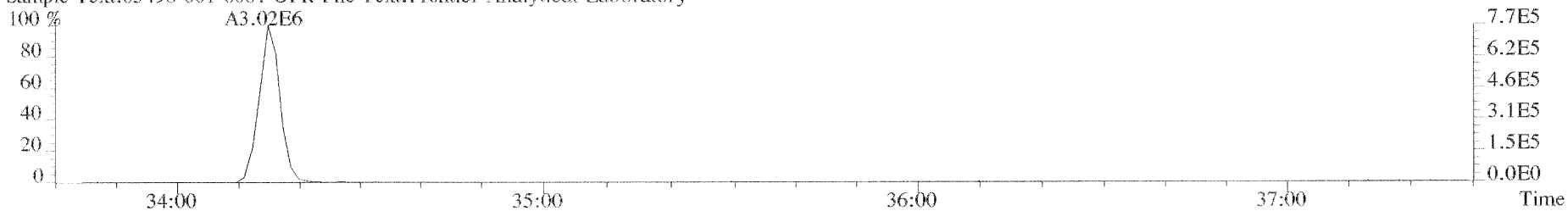
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



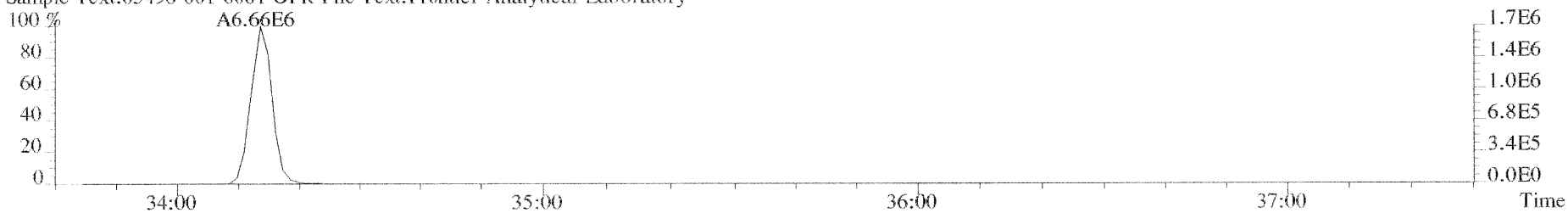
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



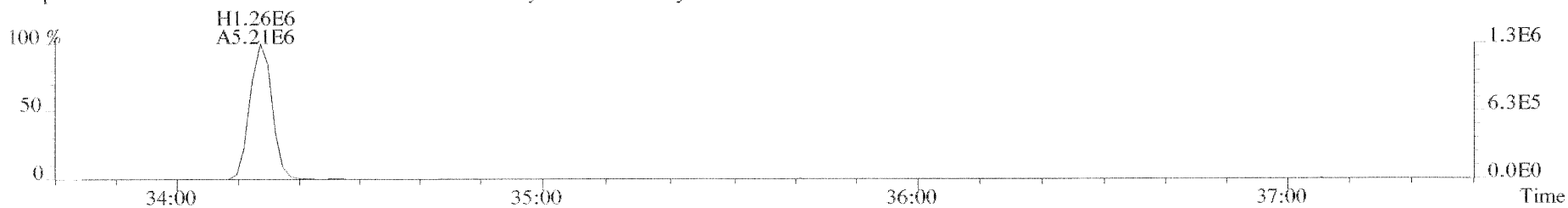
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



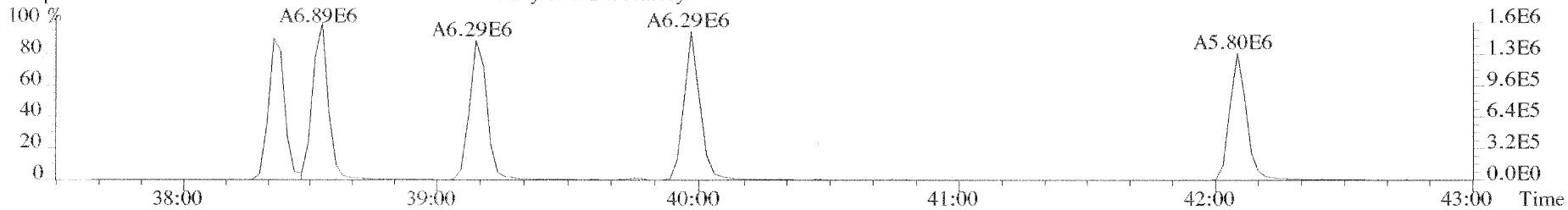
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



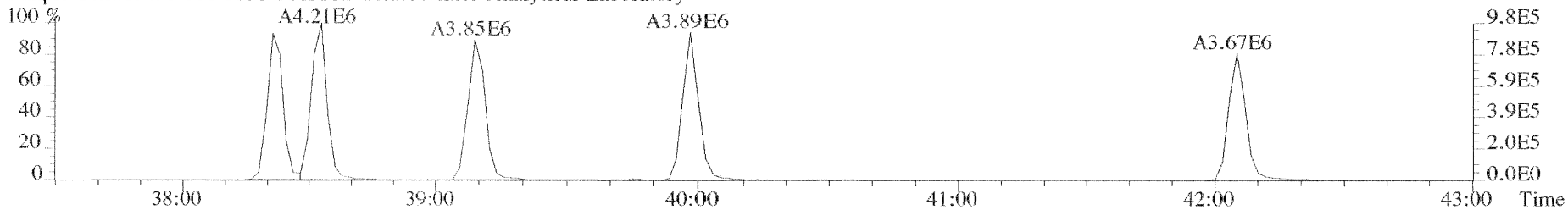
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



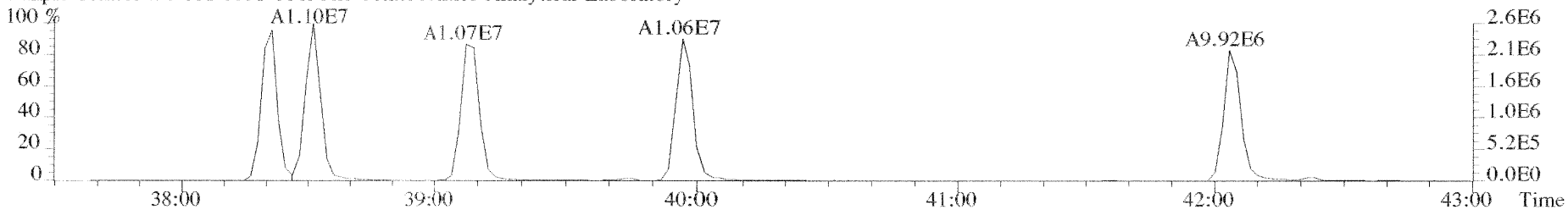
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



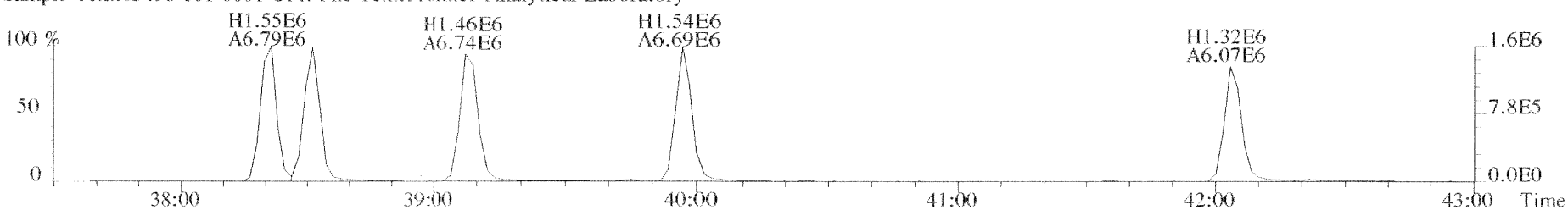
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



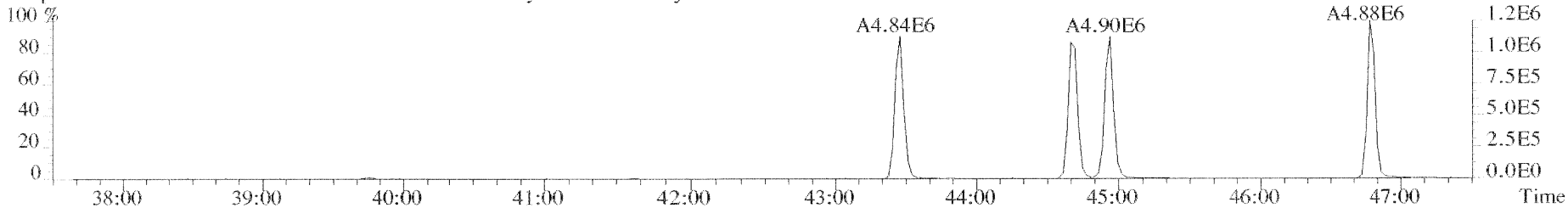
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



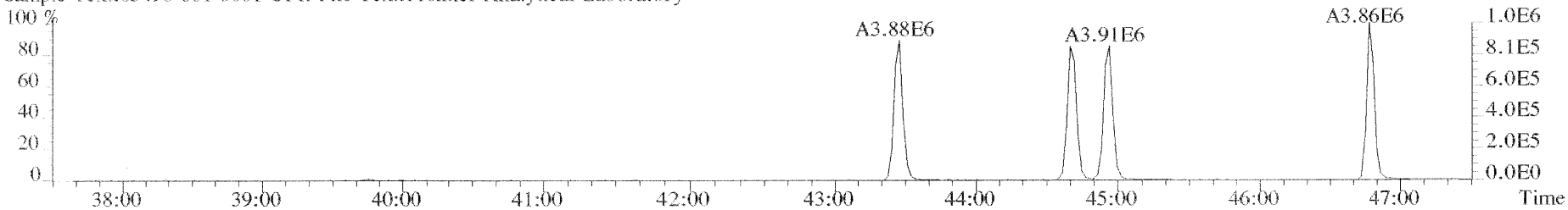
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



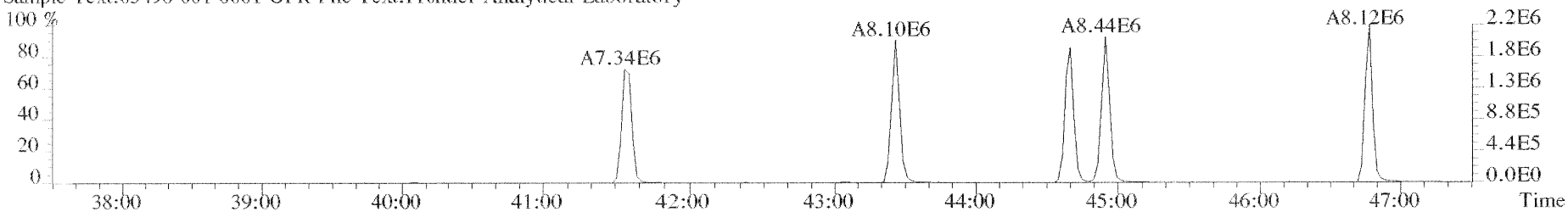
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



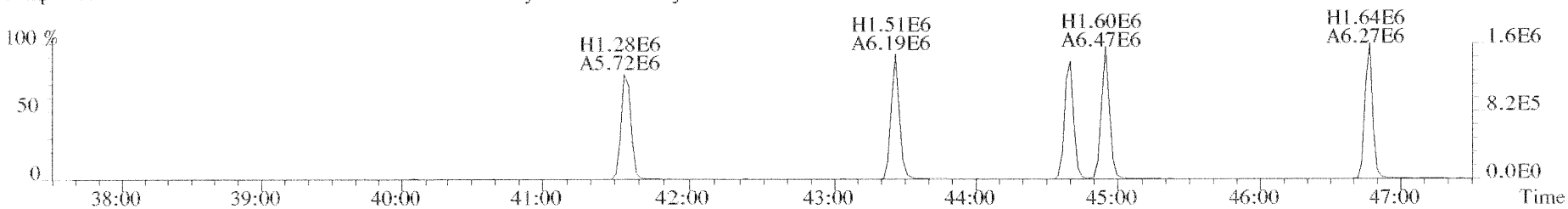
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



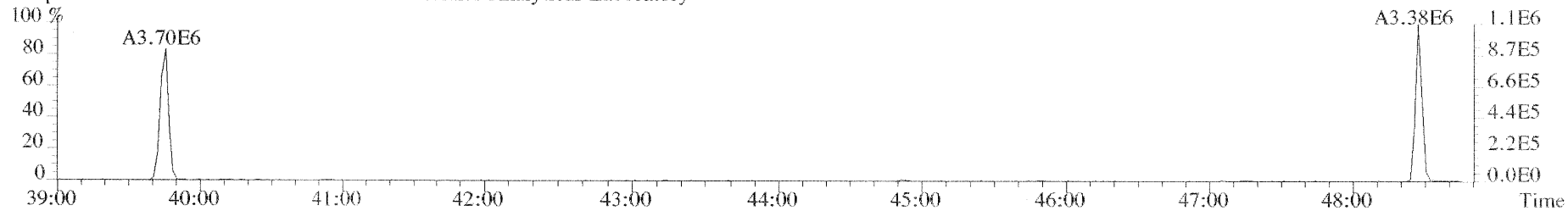
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



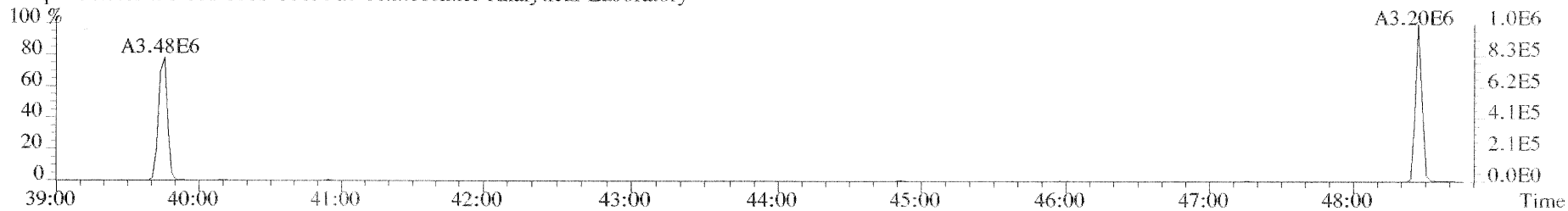
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



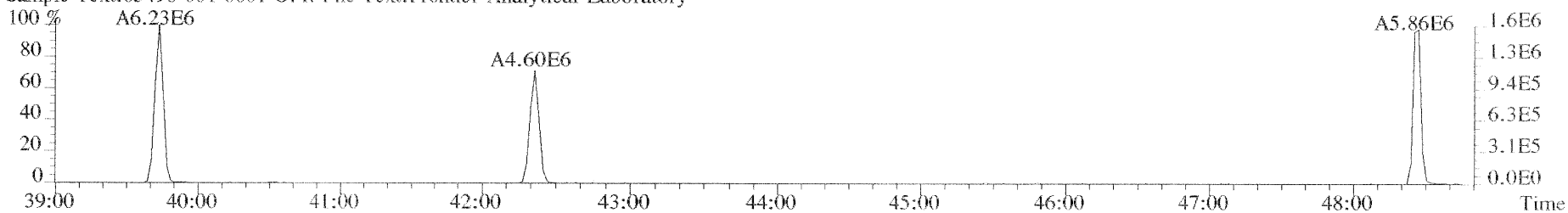
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



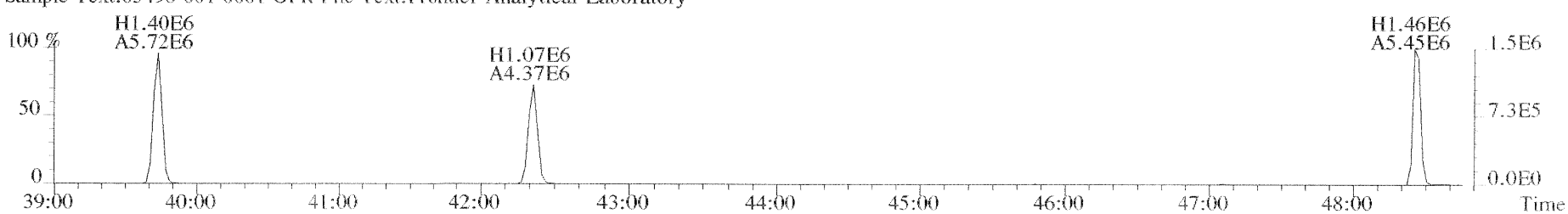
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



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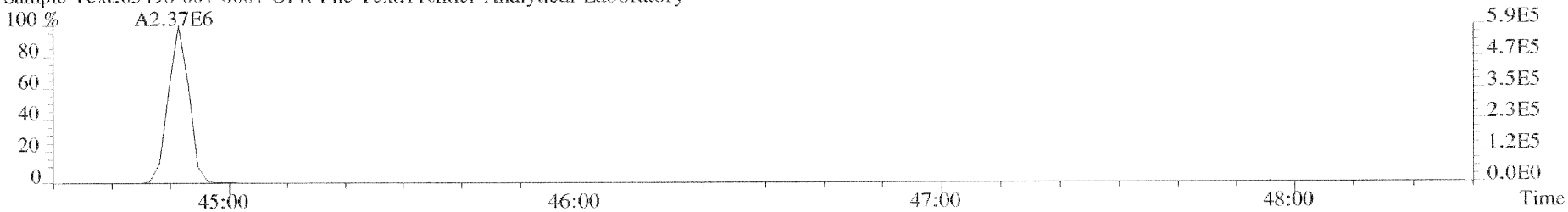
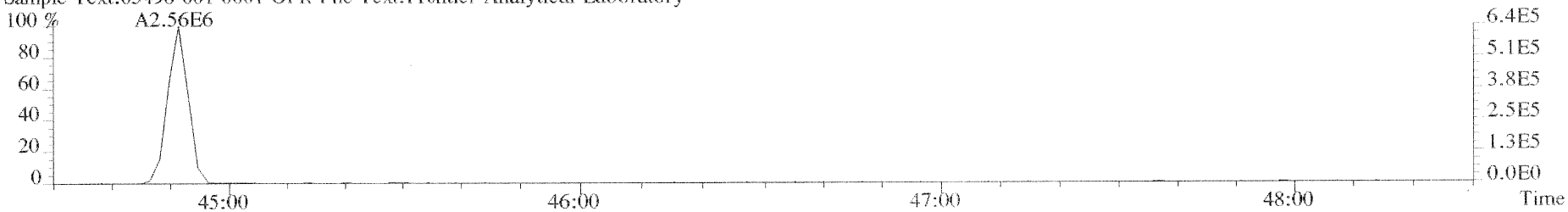
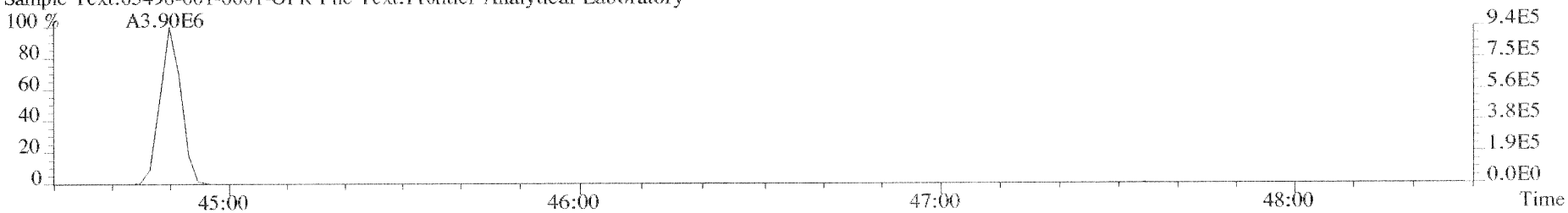
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



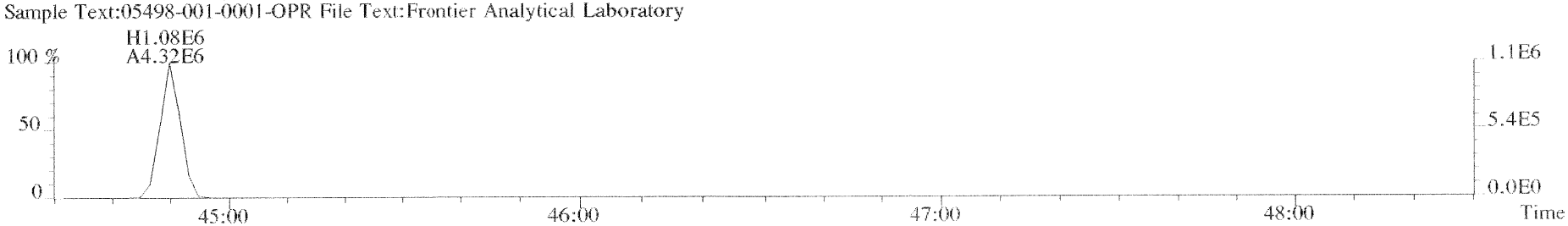
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



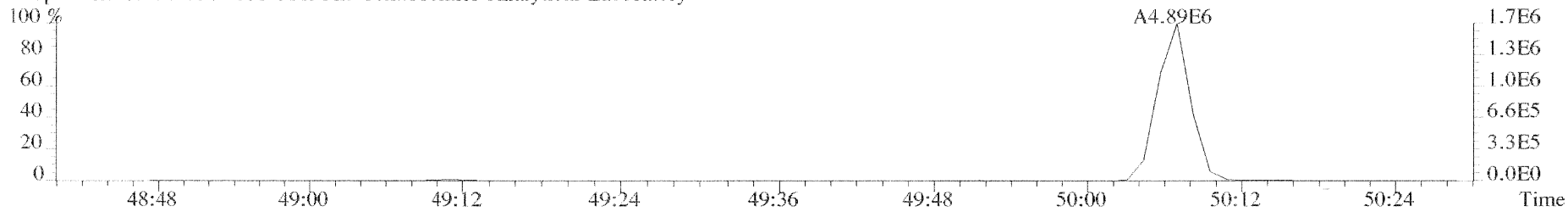
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



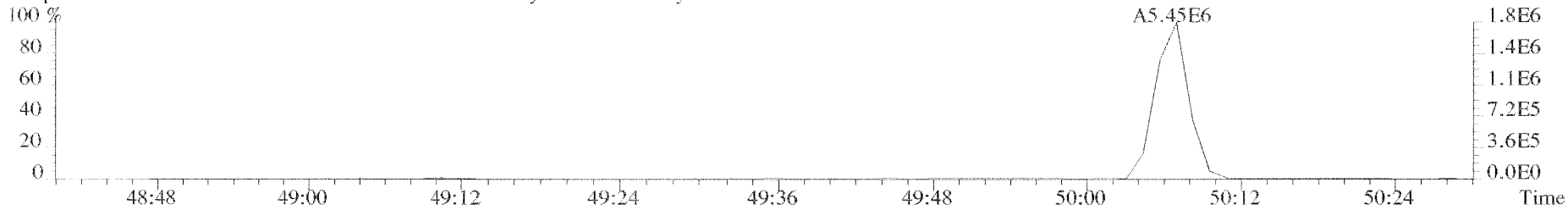
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



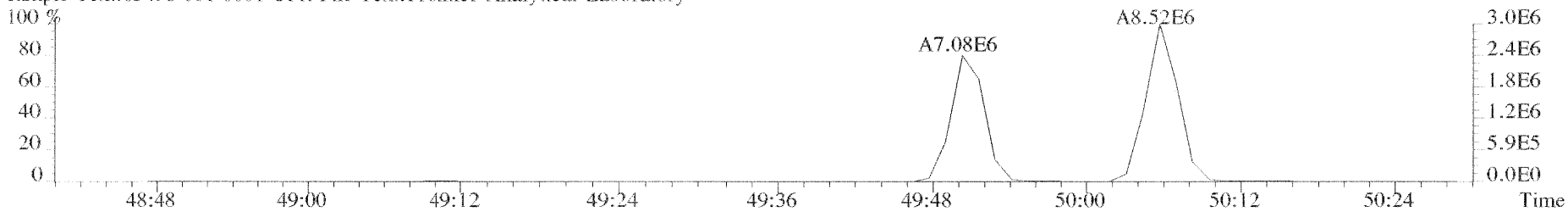
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



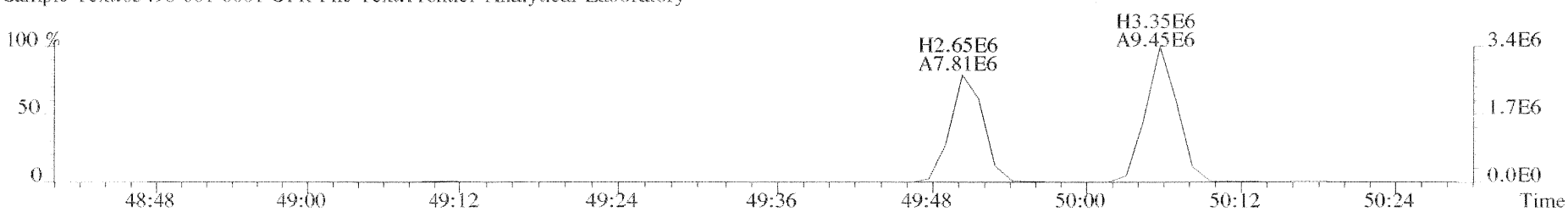
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



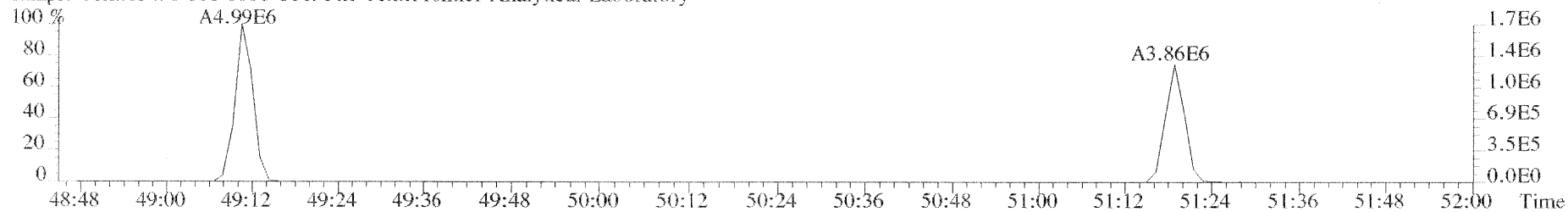
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



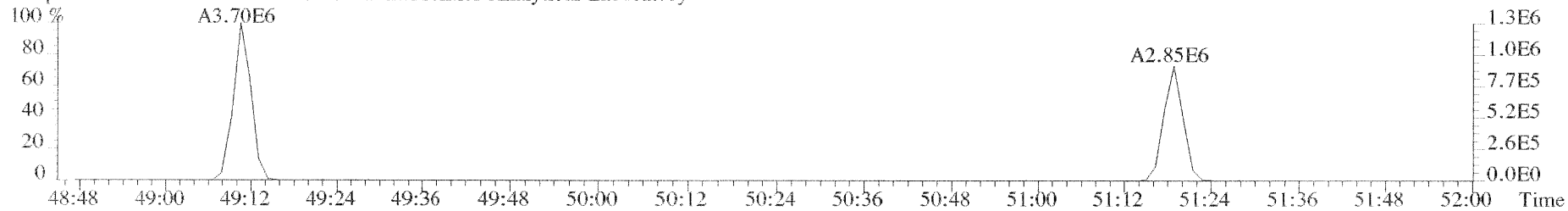
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



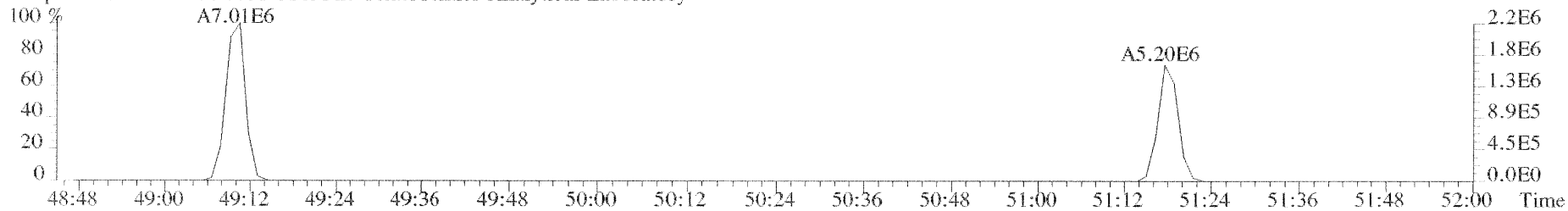
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



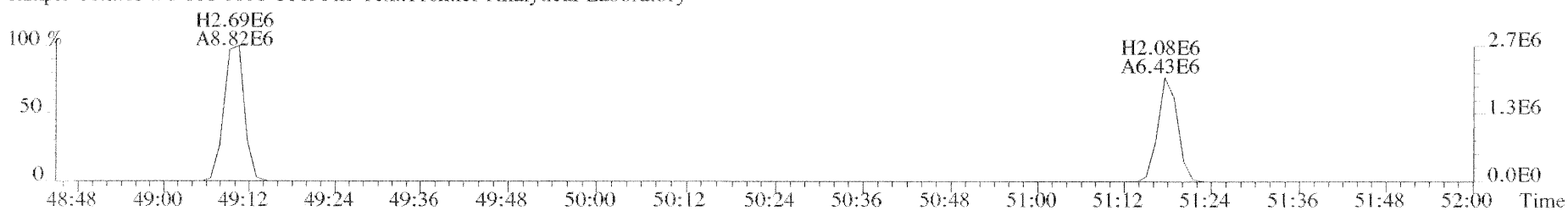
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



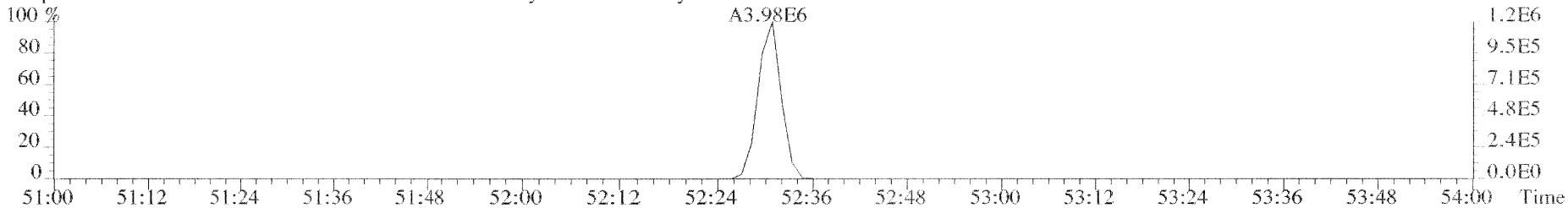
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



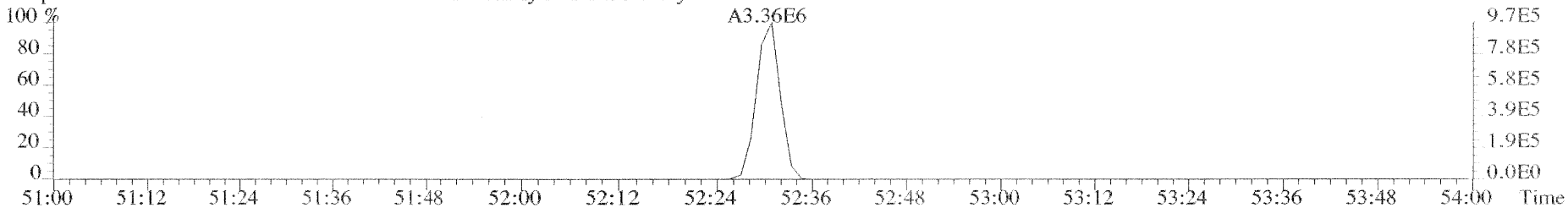
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



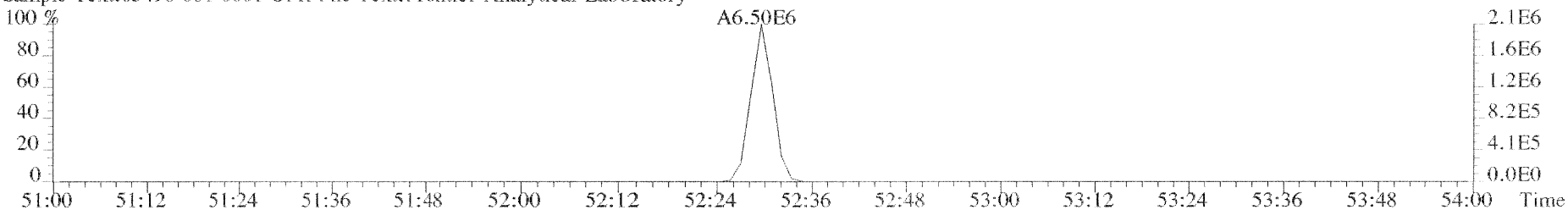
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



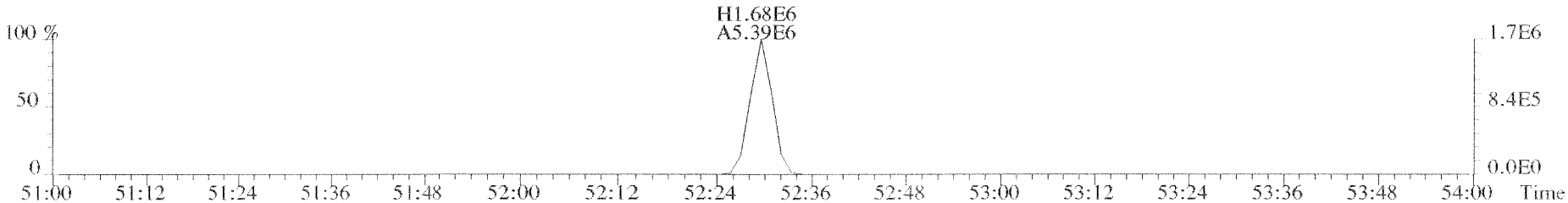
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13378-007-0001-SA Filename: 07NOV20Z Sam:4 Acquired: 7-NOV-20 10:26:34 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-A-CLAM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.95

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.37	*		582	355	1.19			
13C-PCB-1	4.59e+06	3.17 y	14:32	0.71	180					19.8	9.82e+05	3.21e+05
PCB-2	*	* n	NotFnd	1.39	*		582	355	0.652			
PCB-3	*	* n	NotFnd	1.40	*		582	355	0.462			
13C-PCB-3	1.28e+07	3.21 y	16:58	0.69	518					56.8	2.50e+06	8.00e+05
PCB-4	5.06e+04	1.62 y	18:16	1.08	4.32		-	-	*			
PCB-10	*	* n	NotFnd	1.63	*		540	1590	0.616			
13C-PCB-4	9.91e+06	1.58 y	18:13	0.65	423					46.3	1.68e+06	1.07e+06
PCB-9	*	* n	NotFnd	1.51	*		540	1590	0.665			
PCB-7	*	* n	NotFnd	1.53	*		540	1590	0.656			
PCB-6	1.81e+05	1.39 y	20:33	1.52	5.45		-	-	*			
PCB-8	3.72e+05	1.48 y	20:55	1.51	11.3		-	-	*			
PCB-5	*	* n	NotFnd	1.56	*		540	1590	0.647			
PCB-14	*	* n	NotFnd	1.47	*		540	1590	0.685			
PCB-11	2.97e+05	1.37 y	23:08	1.42	9.60		-	-	*			
PCB-13	*	* n	NotFnd	1.43	*		540	1590	0.705			
PCB-12	*	* n	NotFnd	1.44	*		540	1590	0.701			
PCB-15	2.68e+05	1.37 y	23:47	1.31	6.20		-	-	*			
13C-PCB-15	3.00e+07	1.59 y	23:45	0.98	857					93.8	4.06e+06	2.42e+06
PCB-19	4.82e+04	1.16 y	22:08	1.34	3.36		-	-	*			
PCB-30	*	* n	NotFnd	1.94	*		1360	500	0.862			
PCB-18	9.34e+05	1.10 y	23:40	1.33	65.6		-	-	*			
PCB-17	4.97e+05	1.03 y	23:50	1.44	32.3		-	-	*			
PCB-27	7.73e+04	1.03 y	24:21	1.86	3.89		-	-	*			
PCB-24	9.17e+04	1.11 y	24:22	1.83	4.69		-	-	*			
PCB-16	2.96e+05	1.01 y	24:51	1.60	17.3		-	-	*			
PCB-32	3.95e+05	1.17 y	24:52	1.71	21.6		-	-	*			
13C-PCB-19	9.76e+06	1.10 y	22:06	0.38	709					77.7	1.30e+06	1.23e+06
13C-PCB-9	3.28e+07	1.61 y	19:53	-	6.28							
PCB-34	4.30e+04	1.14 y	25:38	1.26	1.06	J	-	-	*			
PCB-23	*	* n	NotFnd	1.52	*		1330	970	0.619			
PCB-29	*	* n	NotFnd	1.40	*		1330	970	0.668			
PCB-26	6.91e+05	1.15 y	26:08	1.33	16.2		-	-	*			
PCB-25	3.73e+05	1.16 y	26:18	1.31	8.87		-	-	*			
PCB-31	2.55e+06	1.08 y	26:37	1.40	56.4		-	-	*			
PCB-28	2.90e+06	1.09 y	26:43	1.55	58.0		-	-	*			
PCB-20	1.76e+06	1.10 y	27:20	1.29	42.3		-	-	*		Co-elute PCB 21/33	
PCB-21	1.76e+06	1.10 y	27:20	1.29	42.3		-	-	*		Co-elute PCB 20/33	
PCB-33	1.76e+06	1.10 y	27:20	1.29	42.3		-	-	*		Co-elute PCB 20/21	
PCB-22	1.04e+06	1.14 y	27:44	1.48	21.8		-	-	*			
PCB-36	*	* n	NotFnd	1.32	*		1330	970	0.708			
PCB-39	*	* n	NotFnd	1.32	*		1330	970	0.710			
PCB-38	6.42e+04	1.10 y	29:29	1.33	1.50	J	-	-	*			
PCB-35	7.54e+04	1.15 y	29:59	1.24	1.89		-	-	*			
PCB-37	5.79e+05	1.14 y	30:25	1.28	14.1		-	-	*			
13C-PCB-37	2.94e+07	1.09 y	30:23	1.76	803					87.9	2.96e+06	2.64e+06

PCB-54	*	*	n	NotFnd	1.37	*		657	987	0.655			
PCB-50	*	*	n	NotFnd	1.07	*		657	987	0.838			
PCB-53	3.48e+05	0.79	y	27:21	1.02	19.0		-	-	*			
PCB-51	1.70e+05	0.79	y	27:42	1.10	8.66		-	-	*			
PCB-45	2.87e+05	0.75	y	28:06	0.90	17.7		-	-	*			
PCB-46	1.39e+05	0.72	y	28:33	0.86	9.06		-	-	*			
PCB-52	3.89e+06	0.78	y	29:00	1.07	203		-	-	*	Co-elute PCB 69		
PCB-69	3.89e+06	0.78	y	29:00	1.07	203		-	-	*	Co-elute PCB 52		
PCB-73	8.92e+04	0.75	y	29:05	1.38	3.62		-	-	*			
PCB-43	2.51e+06	0.80	y	29:16	0.98	143		-	-	*	Co-elute PCB 49		
PCB-49	2.51e+06	0.80	y	29:16	0.98	143		-	-	*	Co-elute PCB 43		
PCB-47	1.08e+06	0.80	y	29:29	1.04	58.1		-	-	*			
PCB-48	8.66e+05	0.78	y	29:35	1.22	39.6		-	-	*	Co-elute PCB 75		
PCB-75	8.66e+05	0.78	y	29:35	1.22	39.6		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.23	*		657	987	0.727			
PCB-62	*	*	n	NotFnd	1.36	*		657	987	0.659			
PCB-44	1.87e+06	0.76	y	30:13	0.85	123		-	-	*			
PCB-42	1.14e+06	0.78	y	30:26	1.10	57.5		-	-	*	Co-elute PCB 59		
PCB-59	1.14e+06	0.78	y	30:26	1.10	57.5		-	-	*	Co-elute PCB 42		
PCB-72	2.58e+06	0.82	y	31:00	1.23	117		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.58e+06	0.82	y	31:00	1.23	117		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.58e+06	0.82	y	31:00	1.23	117		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.58e+06	0.82	y	31:00	1.23	117		-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.66e+04	0.87	y	31:15	1.40	2.25		-	-	*			
PCB-40	3.42e+05	0.76	y	31:27	0.78	24.5		-	-	*			
PCB-57	4.91e+04	0.82	y	31:48	1.33	2.05		-	-	*			
PCB-67	1.33e+05	0.67	y	32:05	1.23	6.07		-	-	*			
PCB-58	3.51e+04	0.74	y	32:12	1.44	1.36	J	-	-	*			
PCB-63	1.46e+05	0.76	y	32:20	1.35	6.08		-	-	*			
PCB-74	1.43e+06	0.79	y	32:37	1.28	62.4		-	-	*			
PCB-61	2.95e+06	0.79	y	32:49	1.23	133		-	-	*	Co-elute PCB 70		
PCB-70	2.95e+06	0.79	y	32:49	1.23	133		-	-	*	Co-elute PCB 61		
PCB-76	3.09e+06	0.76	y	33:00	1.38	126		-	-	*	Co-elute PCB 66		
PCB-66	3.09e+06	0.76	y	33:00	1.38	126		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.58	*		657	987	0.566			
PCB-55	1.07e+05	0.74	y	33:32	1.36	4.39		-	-	*			
13C-PCB-54	1.63e+07	0.82	y	25:38	1.21	649					71.1	1.89e+06	2.30e+06
PCB-104	*	*	n	NotFnd	1.22	*		516	448	0.613			
PCB-96	2.24e+04	1.50	y	31:17	1.18	1.47	J	-	-	*			
PCB-103	4.47e+04	1.48	y	31:48	0.97	3.57		-	-	*			
PCB-100	2.74e+04	1.39	y	32:07	0.99	2.12		-	-	*			
PCB-94	1.47e+04	1.65	y	32:34	0.82	1.39	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		516	448	0.873	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		516	448	0.873	Co-elute PCB 98		
PCB-95	1.76e+06	1.52	y	33:04	0.87	156		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		516	448	0.874			
PCB-88	3.41e+05	1.57	y	33:27	0.90	29.3		-	-	*	Co-elute PCB 91		
PCB-91	3.41e+05	1.57	y	33:27	0.90	29.3		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.19	*		516	448	0.631			
13C-PCB-104	1.19e+07	1.56	y	30:03	0.78	730					79.9	1.78e+06	1.16e+06
13C-PCB-28	3.13e+07	1.05	y	26:42	2.19	686					75.1	3.89e+06	3.67e+06
13C-PCB-52	1.90e+07	0.81	y	28:59	-	8.03							

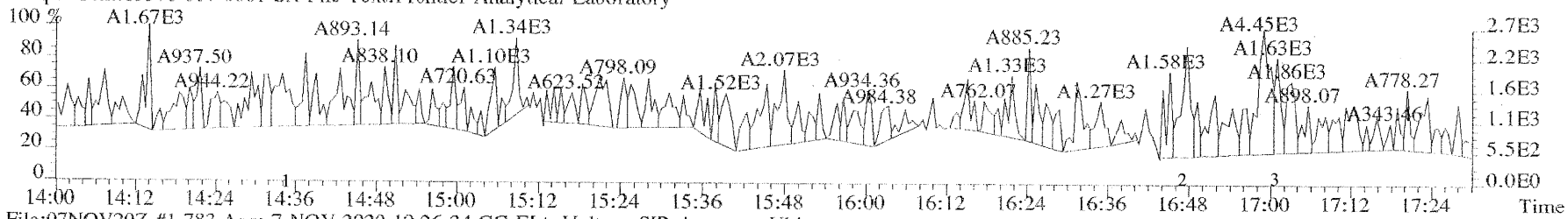
PCB-56	2.25e+06	0.80	y	33:59	1.25	65.9		-	-	*			Co-elute PCB 60
PCB-60	2.25e+06	0.80	y	33:59	1.25	65.9		-	-	*			Co-elute PCB 56
PCB-79	8.51e+04	0.88	y	34:59	1.31	2.37		-	-	*			
PCB-78	*	*	n	NotFnd	1.27	*		910	1330	0.756			
PCB-81	9.70e+04	0.86	y	36:11	1.33	2.68		-	-	*			
13C-PCB-81	2.49e+07	0.80	y	36:08	1.84	842					92.2	2.46e+06	3.02e+06
PCB-77	2.51e+05	0.85	y	36:42	1.17	7.83		-	-	*			
13C-PCB-77	2.50e+07	0.81	y	36:42	1.89	822					90.0	2.32e+06	2.88e+06
PCB-155	*	*	n	NotFnd	1.16	*		621	510	0.708			
PCB-150	*	*	n	NotFnd	1.10	*		621	510	0.746			
PCB-152	*	*	n	NotFnd	1.09	*		621	510	0.754			
PCB-145	*	*	n	NotFnd	1.12	*		621	510	0.736			
PCB-136	4.30e+05	1.22	y	36:37	1.06	29.3		-	-	*			
PCB-148	*	*	n	NotFnd	0.86	*		621	510	0.950			
PCB-154	8.16e+04	1.12	y	37:10	0.94	6.28		-	-	*			
13C-PCB-155	1.26e+07	1.28	y	34:13	1.02	769					84.2	1.80e+06	1.35e+06
13C-PCB-111	1.69e+07	1.63	y	36:17	1.31	800					87.6	2.62e+06	1.60e+06
13C-PCB-101	1.47e+07	1.63	y	34:40	-	7.25							
PCB-84	1.43e+06	1.56	y	34:20	0.69	84.8		-	-	*			Co-elute PCB 92
PCB-92	1.43e+06	1.56	y	34:20	0.69	84.8		-	-	*			Co-elute PCB 84
PCB-89	6.19e+04	1.36	y	34:31	0.68	3.71		-	-	*			
PCB-90	3.56e+06	1.60	y	34:41	0.76	191		-	-	*			Co-elute PCB 101
PCB-101	3.56e+06	1.60	y	34:41	0.76	191		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.81	*		850	720	0.861			
PCB-99	1.78e+06	1.62	y	34:59	0.89	82.4		-	-	*			
PCB-119	1.88e+05	1.39	y	35:25	0.97	7.97		-	-	*			
PCB-83	2.05e+05	1.59	y	35:34	0.76	11.1		-	-	*			Co-elute PCB 112
PCB-112	2.05e+05	1.59	y	35:34	0.76	11.1		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.95	*		850	720	0.740			
PCB-97	9.02e+05	1.57	y	35:54	0.66	55.8		-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*		850	720	1.05			
PCB-125	1.01e+06	1.71	y	36:11	0.86	47.9		-	-	*			Co-elute PCB 87/117
PCB-87	1.01e+06	1.71	y	36:11	0.86	47.9		-	-	*			Co-elute PCB 125/117
PCB-117	1.01e+06	1.71	y	36:11	0.86	47.9		-	-	*			Co-elute PCB 125/87
PCB-111	1.10e+05	1.47	y	36:20	0.99	4.55		-	-	*			Co-elute PCB 115
PCB-115	1.10e+05	1.47	y	36:20	0.99	4.55		-	-	*			Co-elute PCB 111
PCB-85	5.12e+05	1.53	y	36:26	0.83	25.4		-	-	*			Co-elute PCB 116
PCB-116	5.12e+05	1.53	y	36:26	0.83	25.4		-	-	*			Co-elute PCB 85
PCB-120	3.90e+04	1.65	y	36:41	1.00	1.59	J -	-	-	*			
PCB-110	3.87e+06	1.61	y	36:49	0.99	161		-	-	*			
PCB-82	2.95e+05	1.33	y	37:24	0.58	20.8		-	-	*			
PCB-124	2.00e+05	1.76	y	38:03	1.27	6.44		-	-	*			
PCB-108	3.65e+05	1.62	y	38:13	1.26	11.9		-	-	*			Co-elute PCB 107
PCB-107	3.65e+05	1.62	y	38:13	1.26	11.9		-	-	*			Co-elute PCB 108
PCB-123	9.38e+04	1.76	y	38:21	1.21	3.26		-	-	*			
13C-PCB-123	2.17e+07	1.62	y	38:19	1.42	803					87.9	3.11e+06	1.93e+06
PCB-118	3.56e+06	1.57	y	38:31	1.21	115		-	-	*			Co-elute PCB 106
PCB-106	3.56e+06	1.57	y	38:31	1.21	115		-	-	*			Co-elute PCB 118
13C-PCB-118	2.34e+07	1.64	y	38:31	1.54	801					87.7	3.24e+06	1.92e+06
PCB-114	1.31e+05	1.34	y	39:09	1.30	4.25		-	-	*			
13C-PCB-114	2.18e+07	1.60	y	39:07	1.46	785					86.0	3.07e+06	1.94e+06
PCB-122	7.10e+04	1.56	y	39:15	1.29	2.26		-	-	*			
PCB-105	1.34e+06	1.53	y	39:58	1.31	42.1		-	-	*			
13C-PCB-105	2.23e+07	1.58	y	39:56	1.45	805					88.2	3.22e+06	2.06e+06

PCB-127	*	*	n	NotFnd	1.21	*	1220	1260	0.919				
PCB-126	*	*	n	NotFnd	1.28	*	1220	1260	0.992				
13C-PCB-126	2.06e+07	1.62	y	42:03	1.31	826				90.5	2.75e+06	1.73e+06	
PCB-151	9.65e+05	1.26	y	37:48	1.00	51.9	-	-	*				
PCB-135	5.25e+05	1.13	y	38:00	1.01	28.1	-	-	*				
PCB-144	2.05e+05	1.37	y	38:06	1.03	10.7	-	-	*				
PCB-147	9.87e+04	1.08	y	38:14	1.11	4.78	-	-	*				
PCB-139	3.06e+06	1.23	y	38:28	1.09	151	-	-	*				Co-elute PCB 149
PCB-149	3.06e+06	1.23	y	38:28	1.09	151	-	-	*				Co-elute PCB 139
PCB-140	4.78e+04	1.42	y	38:39	1.11	2.33	-	-	*				
PCB-143	2.10e+05	1.29	y	39:05	0.90	12.5	-	-	*				Co-elute PCB 134
PCB-134	2.10e+05	1.29	y	39:05	0.90	12.5	-	-	*				Co-elute PCB 143
PCB-131	1.62e+05	1.29	y	39:20	0.92	9.48	-	-	*				Co-elute PCB 133
PCB-133	1.62e+05	1.29	y	39:20	0.92	9.48	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.94	*	690	540	0.768				
PCB-165	8.94e+05	1.24	y	39:42	1.20	40.1	-	-	*				Co-elute PCB 146
PCB-146	8.94e+05	1.24	y	39:42	1.20	40.1	-	-	*				Co-elute PCB 165
PCB-161	1.03e+06	1.34	y	39:58	1.14	48.5	-	-	*				Co-elute PCB 132
PCB-132	1.03e+06	1.34	y	39:58	1.14	48.5	-	-	*				Co-elute PCB 161
PCB-153	3.67e+06	1.29	y	40:05	1.19	166	-	-	*				
PCB-168	*	*	n	NotFnd	1.33	*	690	540	0.542				
PCB-141	3.05e+05	1.29	y	40:47	1.03	16.0	-	-	*				
PCB-137	1.66e+05	1.30	y	41:09	1.03	8.72	-	-	*				
PCB-130	2.49e+05	1.23	y	41:15	0.89	15.1	-	-	*				
PCB-138	3.68e+06	1.25	y	41:35	1.19	166	-	-	*				Co-elute PCB 163/164
PCB-163	3.68e+06	1.25	y	41:35	1.19	166	-	-	*				Co-elute PCB 138/164
PCB-164	3.68e+06	1.25	y	41:35	1.19	166	-	-	*				Co-elute PCB 138/163
PCB-158	4.38e+05	1.32	y	41:48	1.33	17.7	-	-	*				Co-elute PCB 160
PCB-160	4.38e+05	1.32	y	41:48	1.33	17.7	-	-	*				Co-elute PCB 158
PCB-129	1.03e+05	1.12	y	42:03	0.87	6.44	-	-	*				
PCB-166	*	*	n	NotFnd	1.29	*	690	540	0.559				
PCB-159	5.29e+04	1.30	y	42:51	1.39	2.06	-	-	*				
PCB-128	5.61e+05	1.32	y	43:04	1.12	27.1	-	-	*				Co-elute PCB 162
PCB-162	5.61e+05	1.32	y	43:04	1.12	27.1	-	-	*				Co-elute PCB 128
PCB-167	1.45e+05	1.42	y	43:27	1.24	6.26	-	-	*				
13C-PCB-167	1.71e+07	1.34	y	43:25	1.14	787				86.2	2.22e+06	1.67e+06	
PCB-156	3.09e+05	1.31	y	44:40	1.30	12.9	-	-	*				
13C-PCB-156	1.68e+07	1.29	y	44:40	1.10	800				87.6	2.06e+06	1.56e+06	
PCB-157	9.70e+04	1.12	y	44:54	1.27	4.09	-	-	*				
13C-PCB-157	1.71e+07	1.29	y	44:54	1.16	779				85.3	2.17e+06	1.72e+06	
PCB-169	*	*	n	NotFnd	1.21	*	690	540	0.553				
13C-PCB-169	1.67e+07	1.26	y	46:46	1.07	823				90.2	2.37e+06	1.85e+06	

PCB-188	*	*	n	NotFnd	1.19	*		570	584	0.710			
13C-PCB-188	1.34e+07	1.05	y	39:43	0.92	762					83.5	1.64e+06	1.48e+06
PCB-184	*	*	n	NotFnd	1.33	*		570	584	0.624			
PCB-179	4.05e+05	1.16	y	40:54	1.26	23.4		-	-	*			
PCB-176	1.20e+05	1.19	y	41:20	1.20	7.27		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		570	584	0.680			
PCB-178	2.22e+05	1.20	y	42:21	0.88	18.4		-	-	*			
PCB-175	3.94e+04	1.06	y	42:43	0.93	3.09		-	-	*			
PCB-187	9.45e+05	1.08	y	42:51	1.00	68.9		-	-	*		Co-elute PCB 182	
PCB-182	9.45e+05	1.08	y	42:51	1.00	68.9		-	-	*		Co-elute PCB 187	
PCB-183	3.72e+05	1.15	y	43:09	0.99	27.3		-	-	*			
PCB-185	4.21e+04	1.12	y	43:47	0.90	3.39		-	-	*			
PCB-174	3.06e+05	1.06	y	44:08	0.84	26.4		-	-	*			
PCB-181	*	*	n	NotFnd	1.01	*		570	584	0.823			
PCB-177	4.32e+05	1.06	y	44:23	0.86	36.7		-	-	*			
PCB-171	1.59e+05	1.16	y	44:40	0.91	12.7		-	-	*			
PCB-173	*	*	n	NotFnd	0.85	*		570	584	0.976			
PCB-172	7.31e+04	1.08	y	45:27	0.85	6.22		-	-	*			
PCB-192	*	*	n	NotFnd	1.15	*		570	584	0.723			
PCB-180	9.33e+05	1.05	y	45:49	0.89	75.8		-	-	*			
PCB-193	1.10e+05	1.11	y	45:59	1.22	6.55		-	-	*			
PCB-191	4.71e+04	1.18	y	46:12	1.18	2.90		-	-	*			
PCB-170	3.22e+05	0.96	y	47:06	0.84	27.8		-	-	*			
PCB-190	1.09e+05	1.09	y	47:14	1.15	6.84		-	-	*			
PCB-189	2.32e+04	1.10	y	48:27	1.15	1.56	J	-	-	*			
13C-PCB-189	1.17e+07	1.07	y	48:25	0.80	773					84.6	1.64e+06	1.60e+06
PCB-202	1.03e+05	0.79	y	44:51	1.11	9.27		-	-	*			
PCB-201	4.55e+04	0.88	y	45:17	1.19	3.83		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		412	410	0.691			
PCB-197	*	*	n	NotFnd	1.22	*		412	410	0.685			
PCB-200	*	*	n	NotFnd	1.19	*		412	410	0.705			
PCB-198	*	*	n	NotFnd	0.86	*		412	410	0.975			
PCB-199	1.48e+05	0.78	y	47:42	0.88	16.8		-	-	*			
PCB-203	1.43e+05	0.92	y	47:57	0.95	15.0		-	-	*		Co-elute PCB 196	
PCB-196	1.43e+05	0.92	y	47:57	0.95	15.0		-	-	*		Co-elute PCB 203	
13C-PCB-202	9.14e+06	0.94	y	44:49	0.64	746					81.7	1.07e+06	1.17e+06
13C-PCB-178	1.04e+07	1.11	y	42:21	0.67	814					89.1	1.30e+06	1.14e+06
13C-PCB-138	1.74e+07	1.31	y	41:34	-	7.56							
PCB-195	6.88e+04	0.93	y	49:03	0.93	3.57		-	-	*			
PCB-194	1.80e+05	0.83	y	49:50	0.95	9.09		-	-	*			
PCB-205	*	*	n	NotFnd	1.18	*		840	1270	0.652			
13C-PCB-205	1.90e+07	0.88	y	50:06	1.24	804					88.0	2.95e+06	3.30e+06
PCB-208	2.59e+04	1.15	y	49:11	1.11	1.27	J	-	-	*			
13C-PCB-208	1.68e+07	0.82	y	49:09	1.12	791					86.6	2.52e+06	3.11e+06
PCB-207	*	*	n	NotFnd	1.29	*		548	900	0.552			
PCB-206	4.98e+04	1.17	y	51:19	1.13	3.45		-	-	*			
13C-PCB-206	1.16e+07	0.82	y	51:18	0.84	726					79.5	1.70e+06	2.03e+06
PCB-209	2.58e+04	1.08	y	52:31	1.24	1.71	J	-	-	*			
13C-PCB-209	1.11e+07	1.22	y	52:30	0.81	715					78.3	1.89e+06	1.50e+06
13C-PCB-194	1.73e+07	0.94	y	49:50	-	7.21							

Analyst: _____ Date: 11/9/20

File:07NOV20Z #1-783 Acq: 7-NOV-2020 10:26:34 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:13378-007-0001-SA File Text:Frontier Analytical Laboratory



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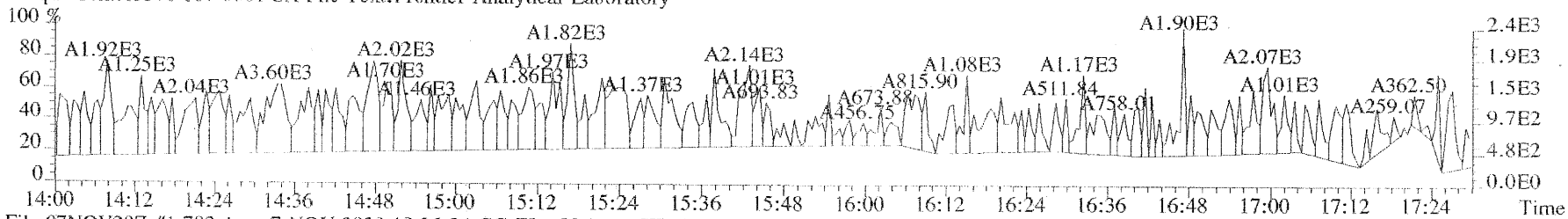

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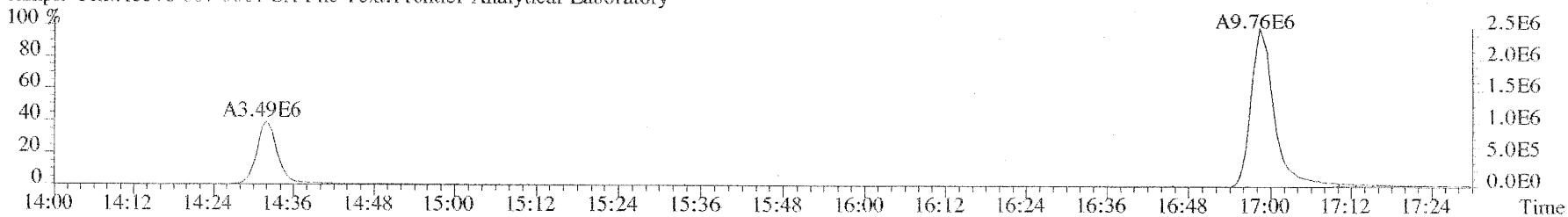

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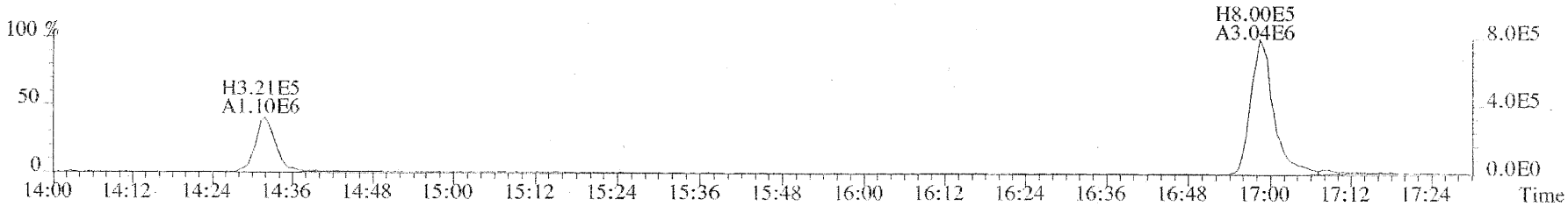

File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
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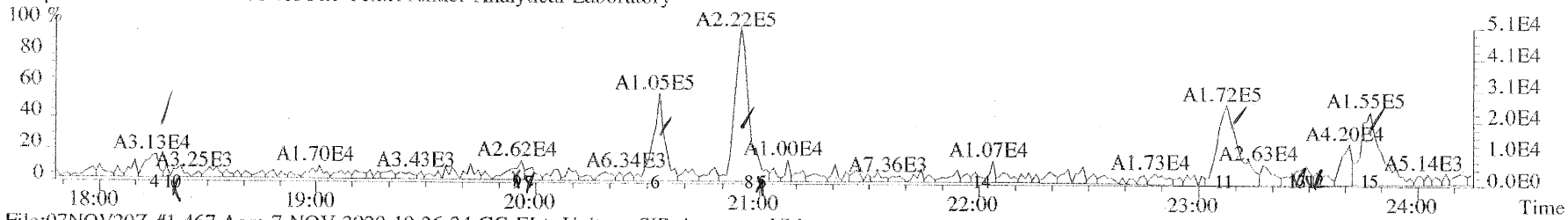

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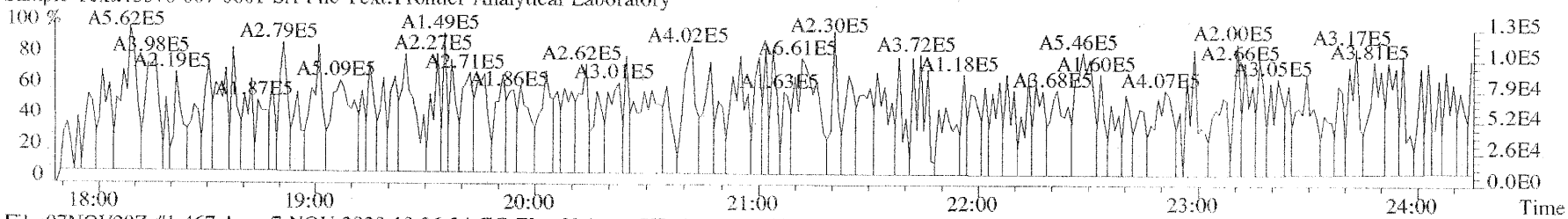

File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
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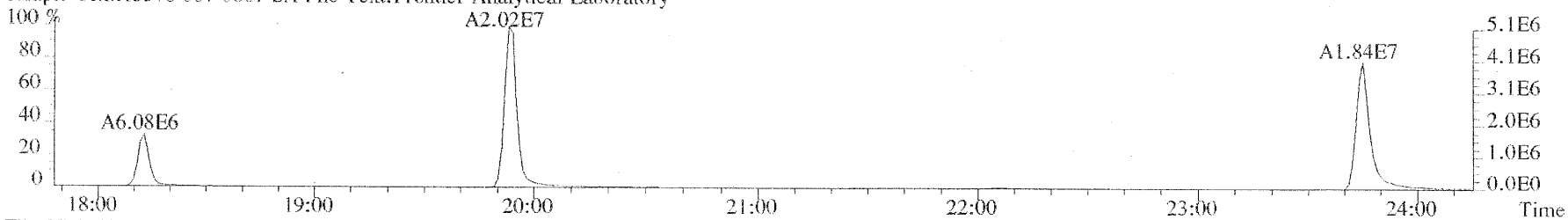
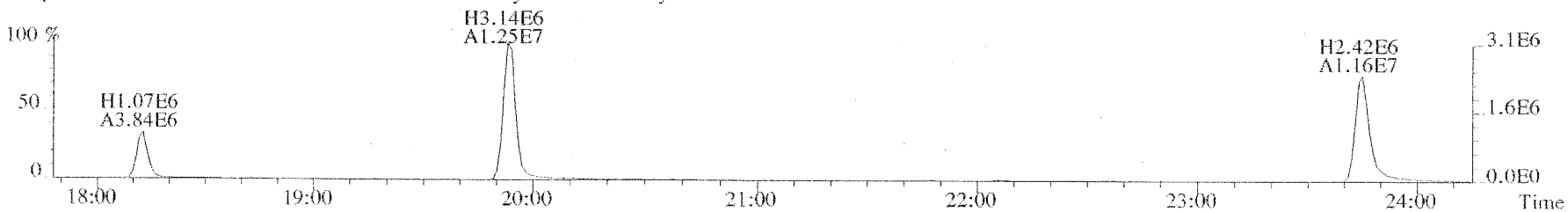
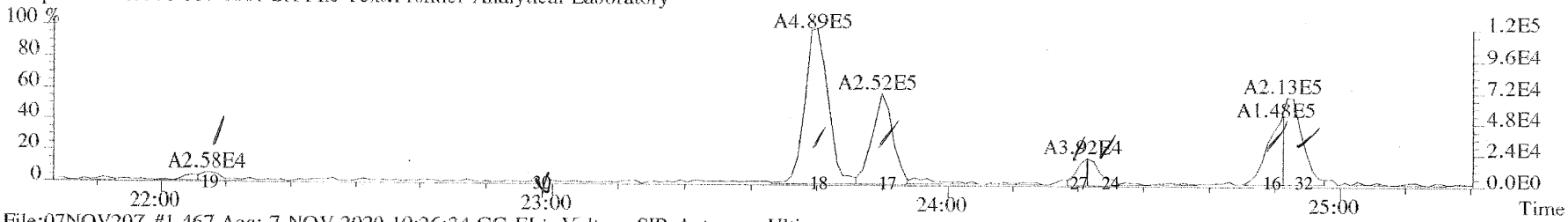


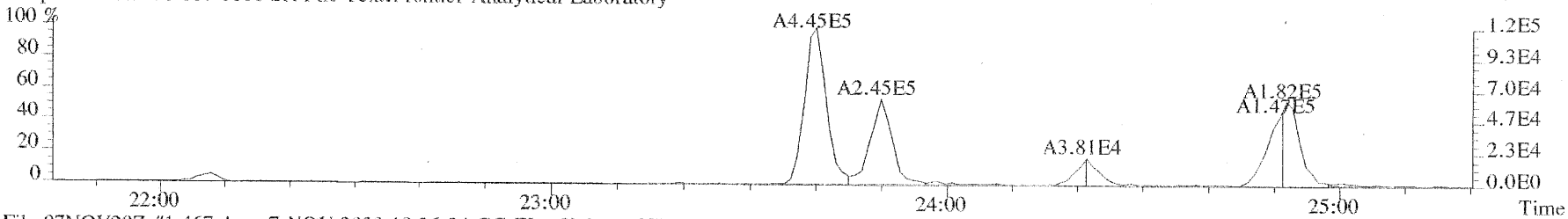
File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



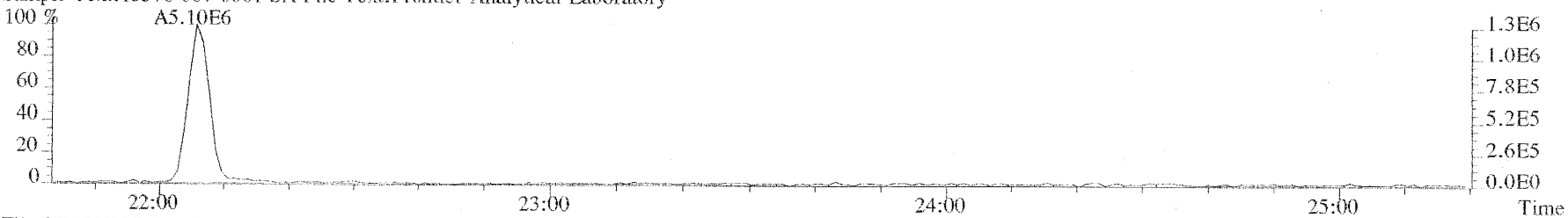
File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-467 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



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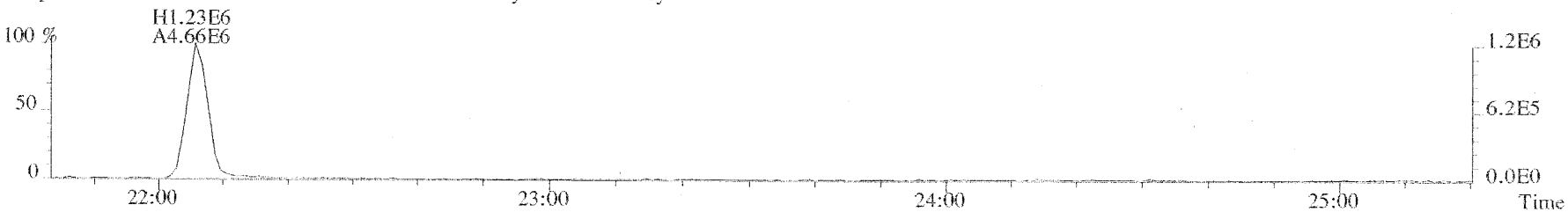
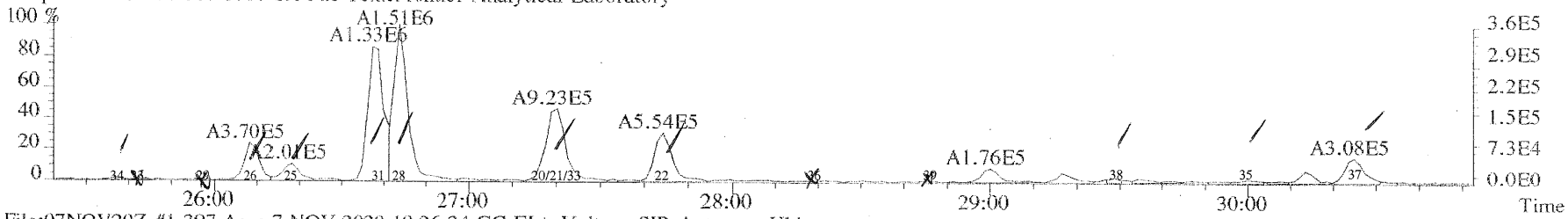
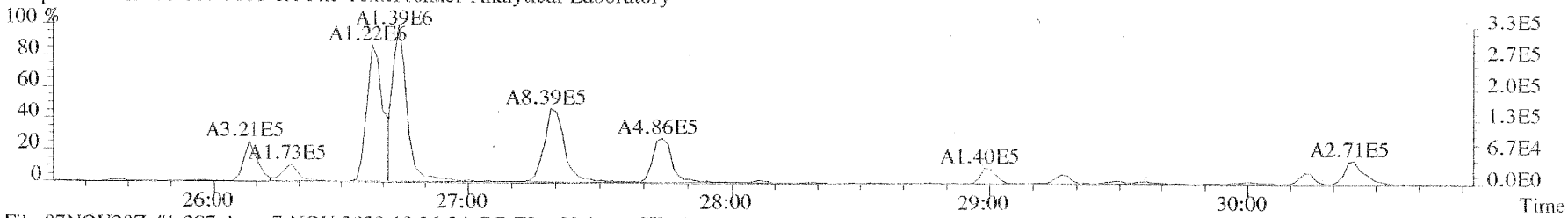
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



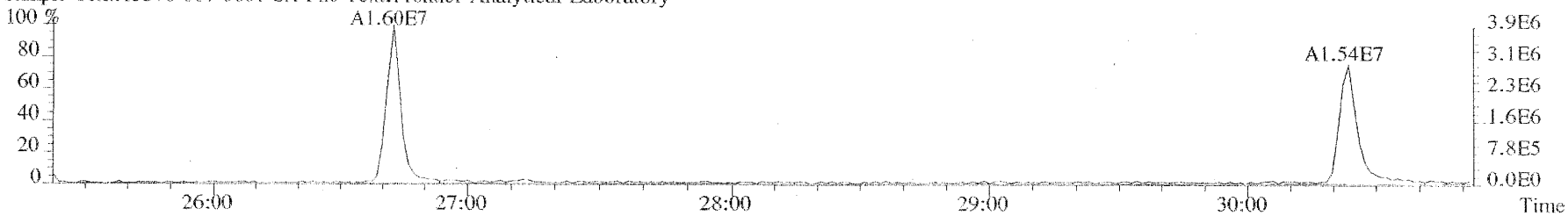
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
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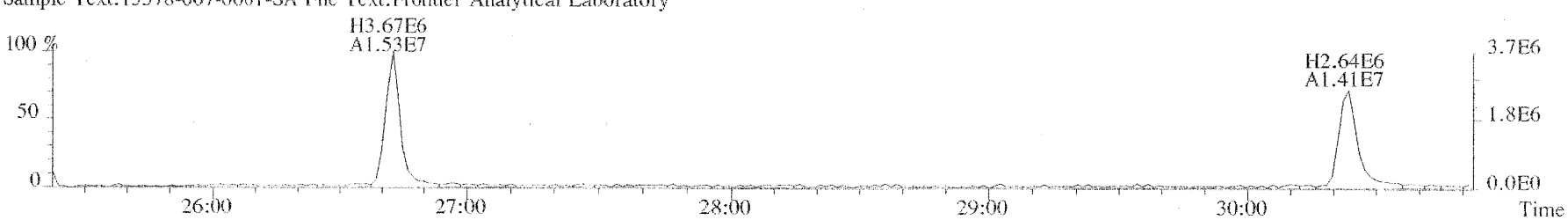
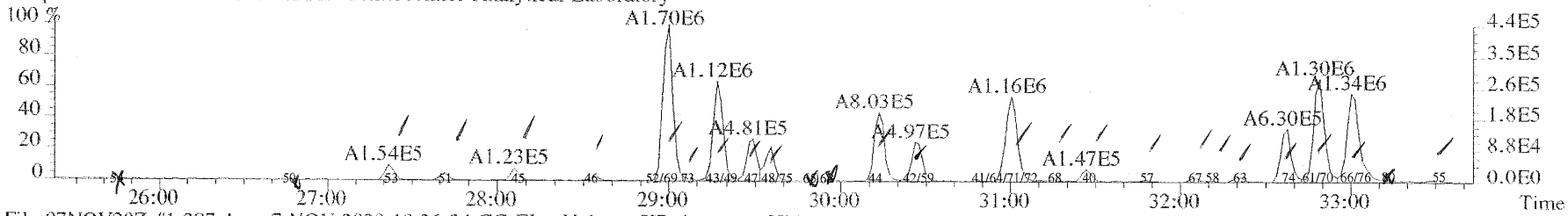
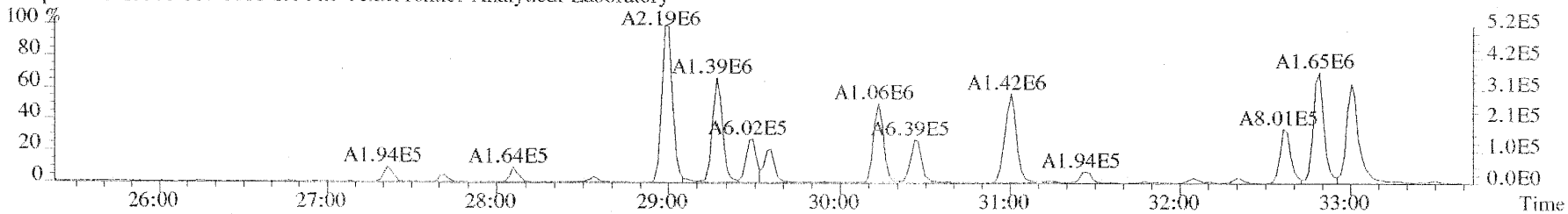
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



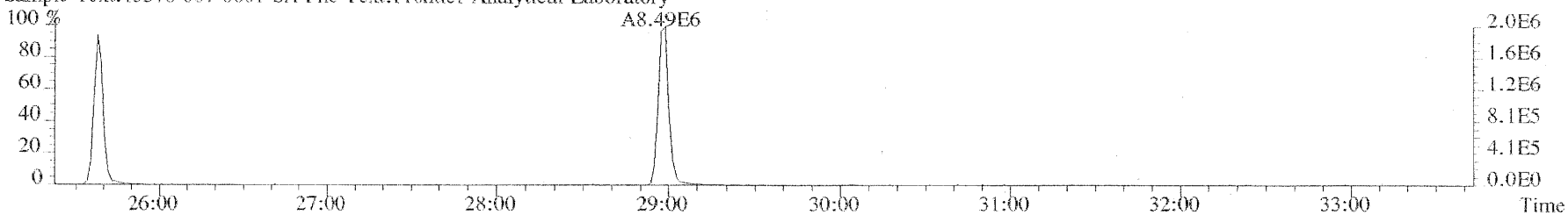
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



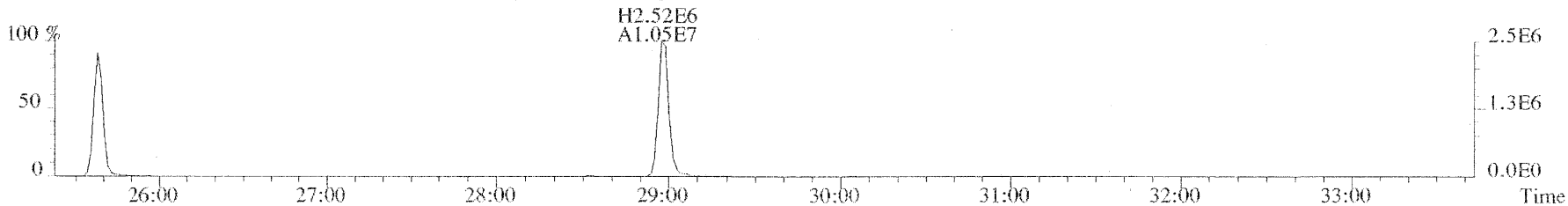
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



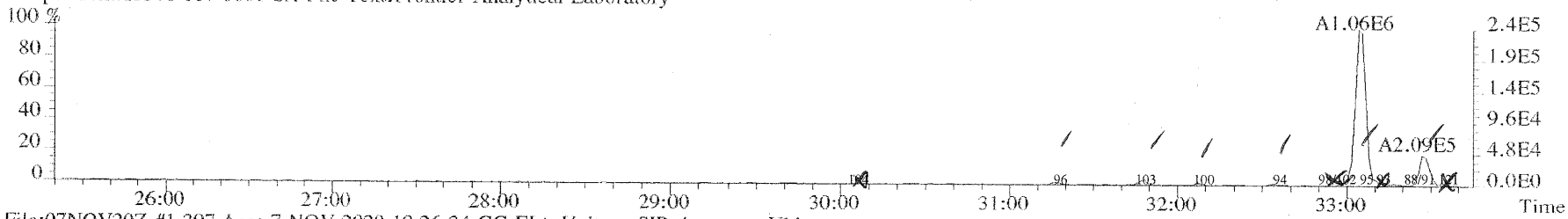
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



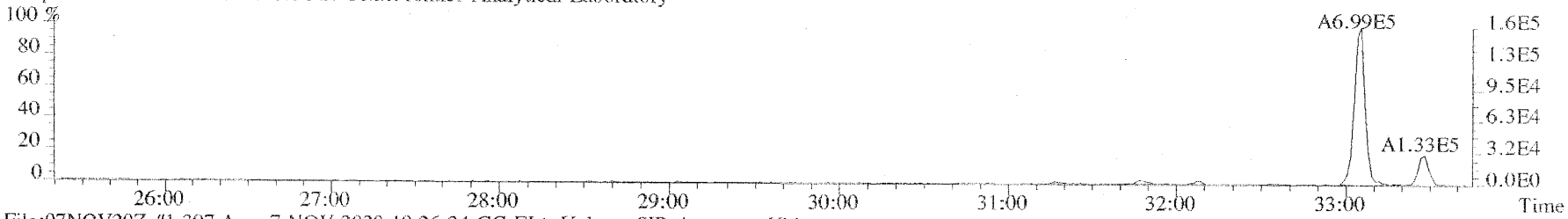
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



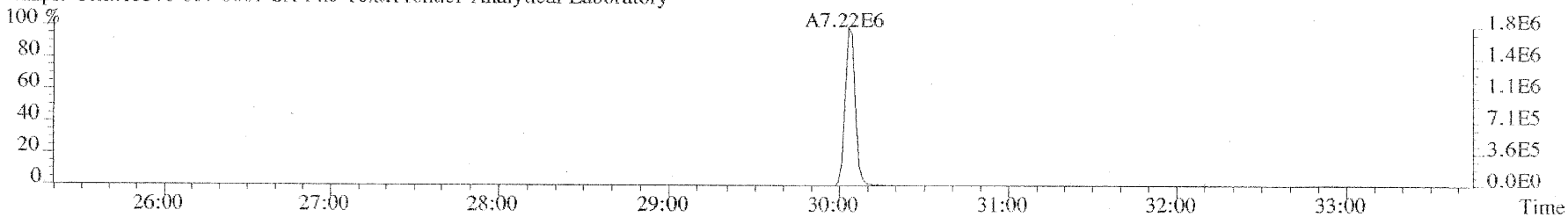
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



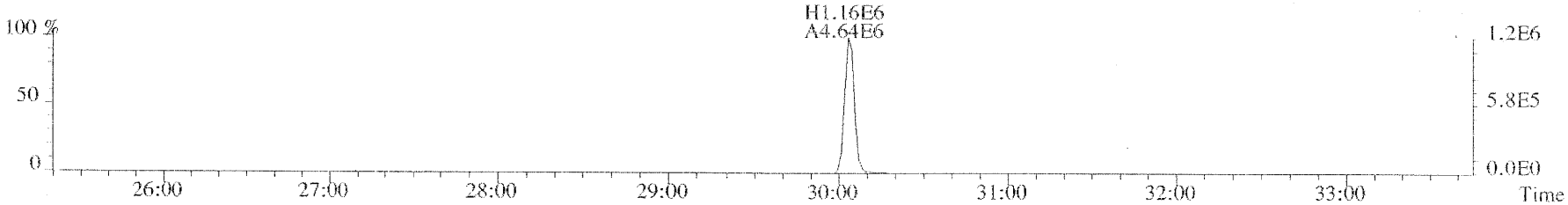
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



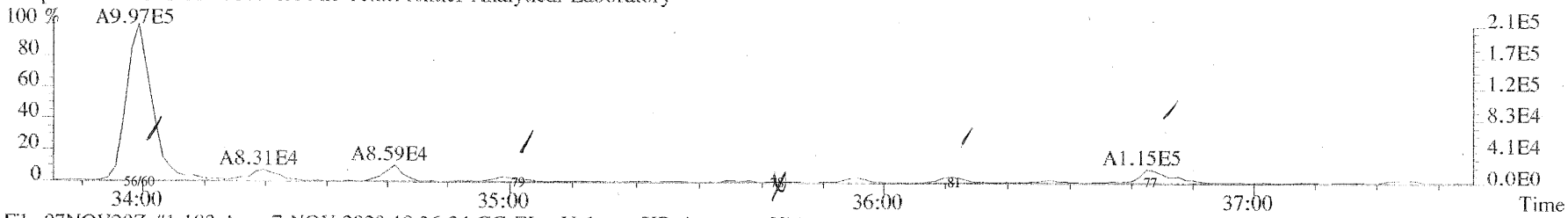
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



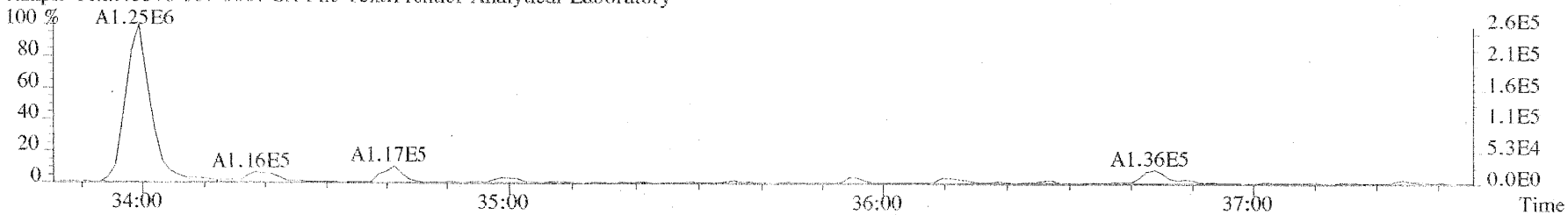
File:07NOV20Z #1-397 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



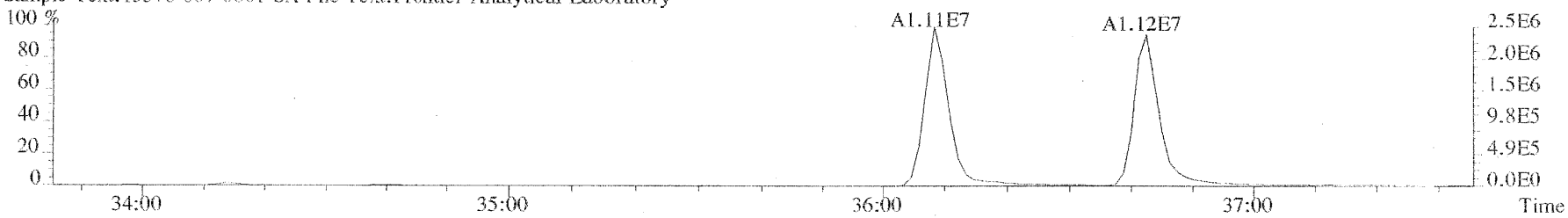
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



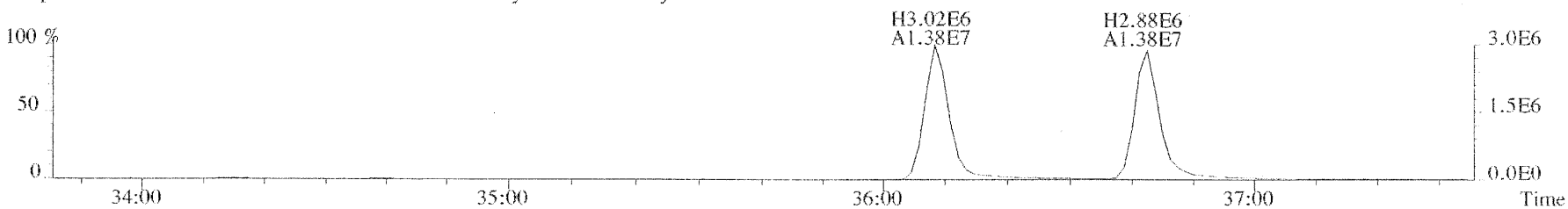
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



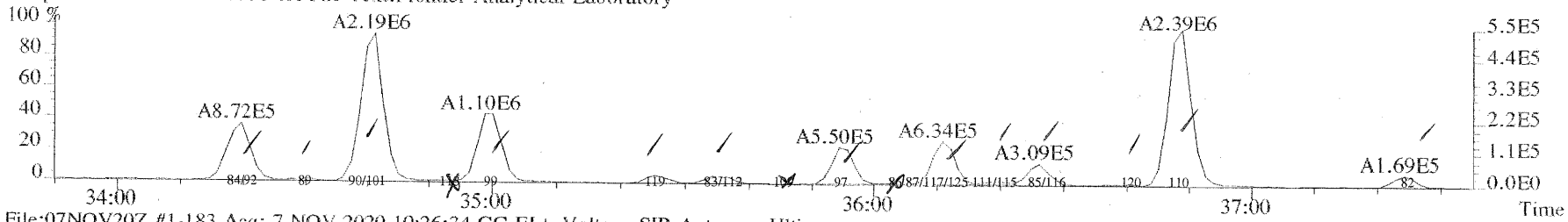
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



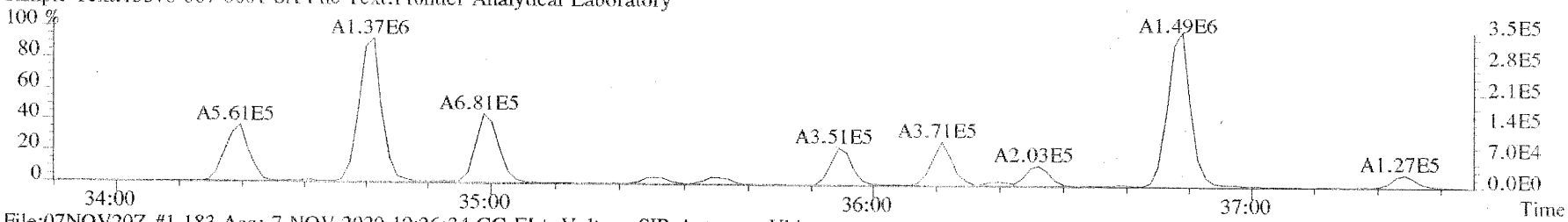
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



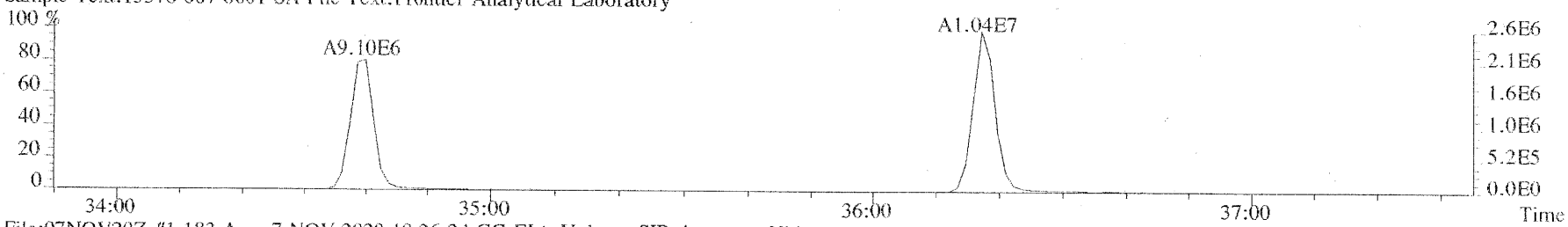
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



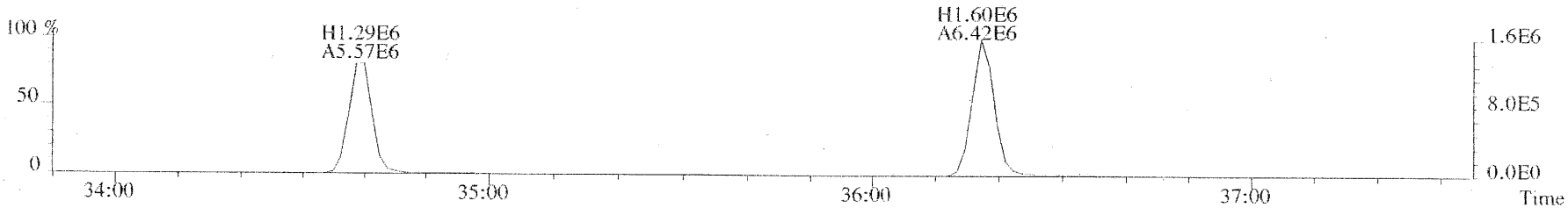
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



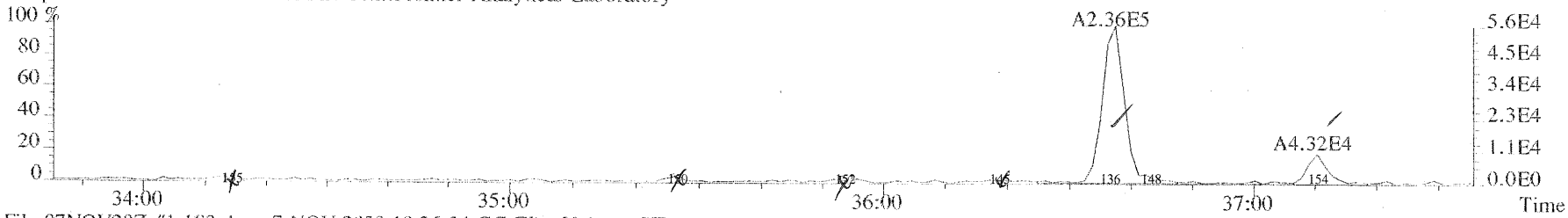
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



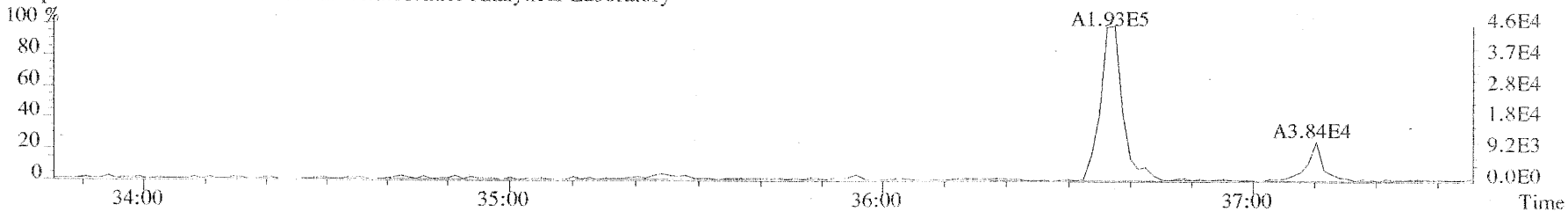
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



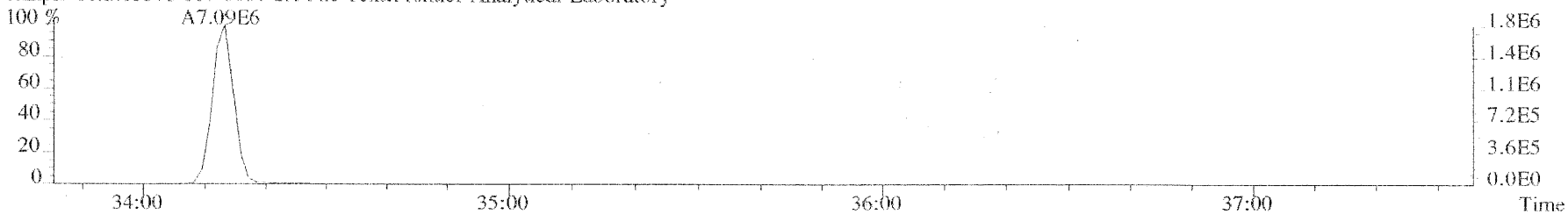
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



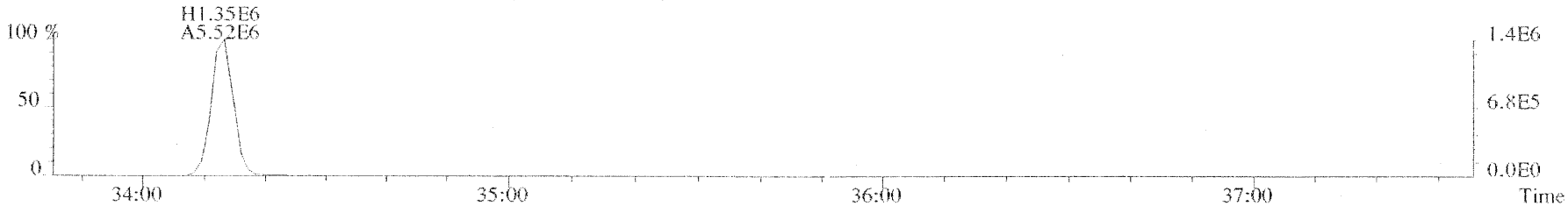
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



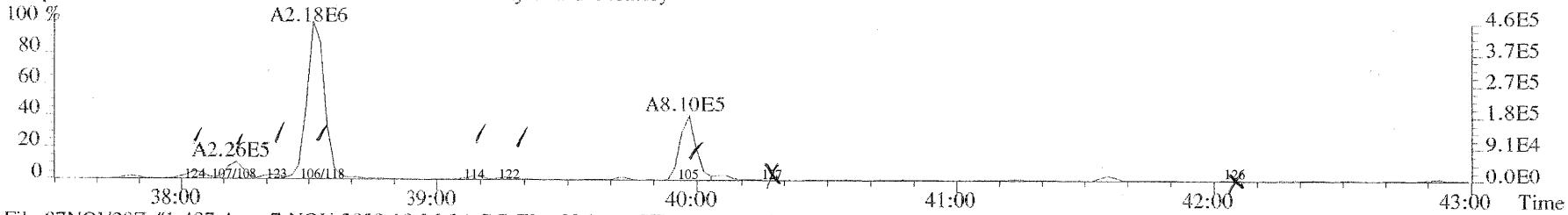
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



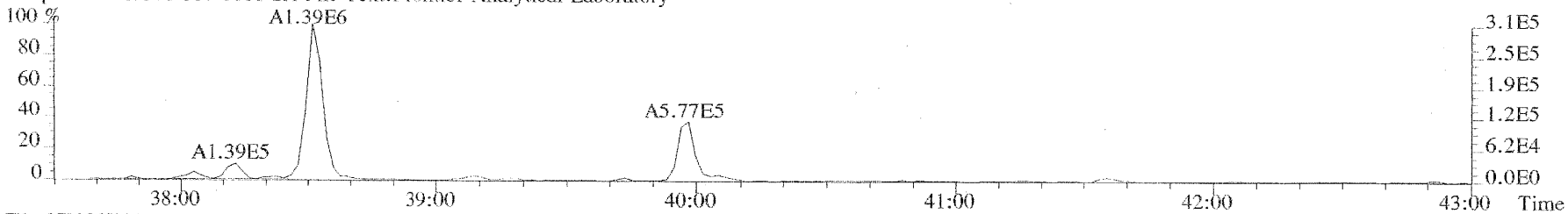
File:07NOV20Z #1-183 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



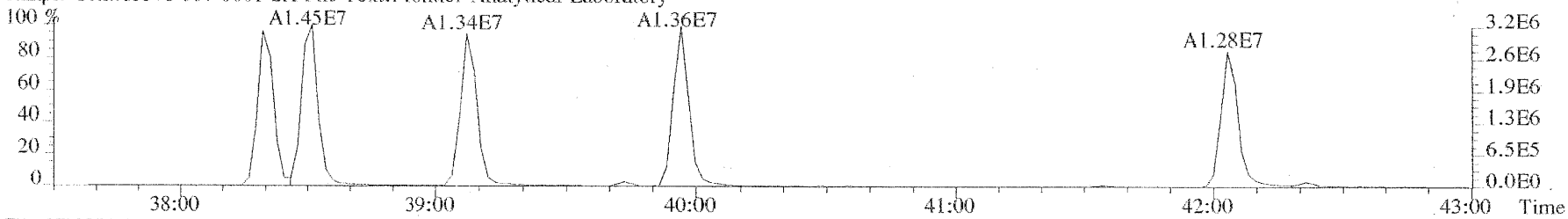
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



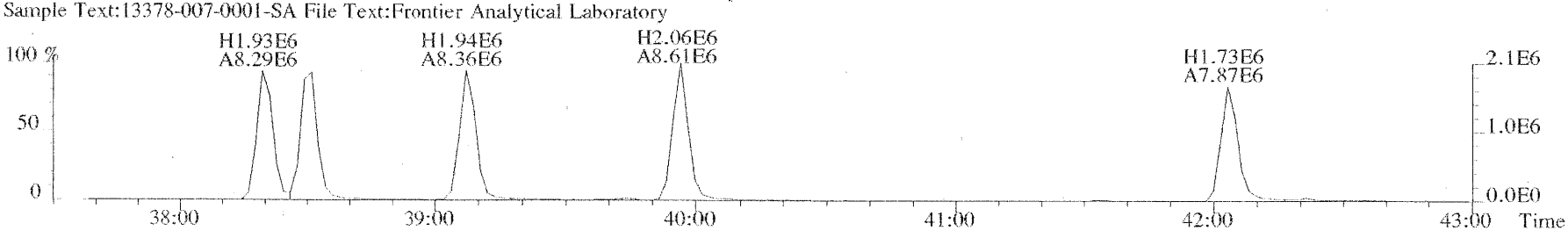
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



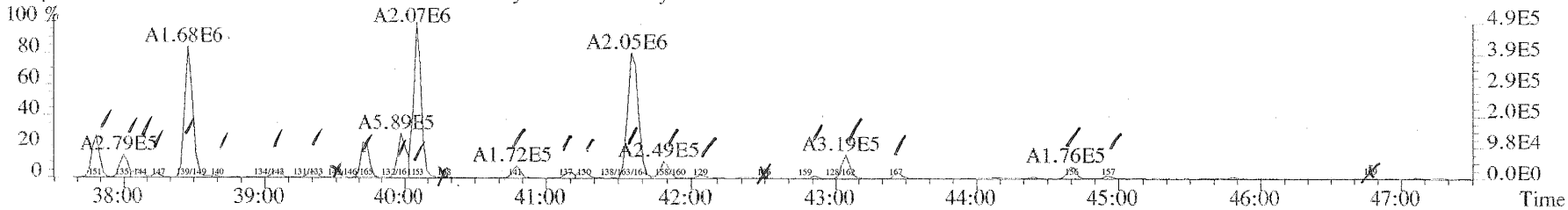
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



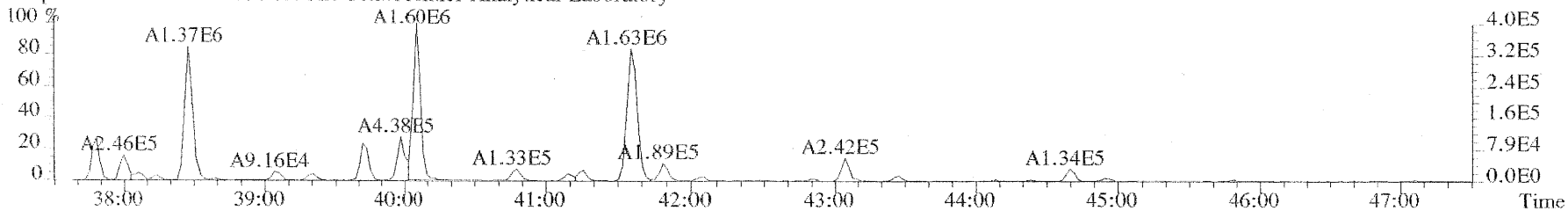
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



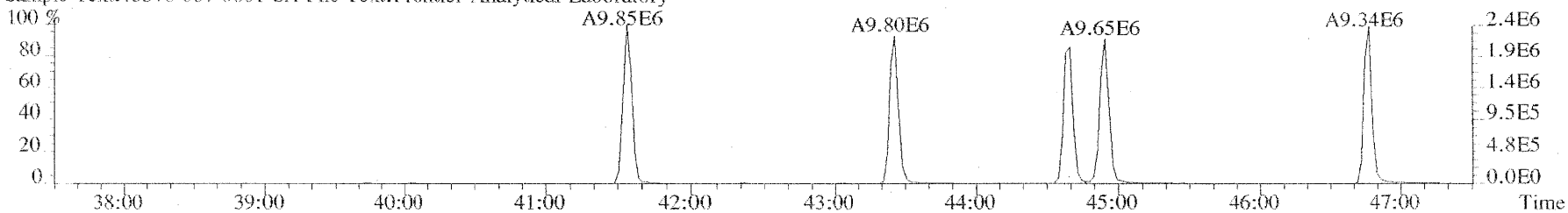
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



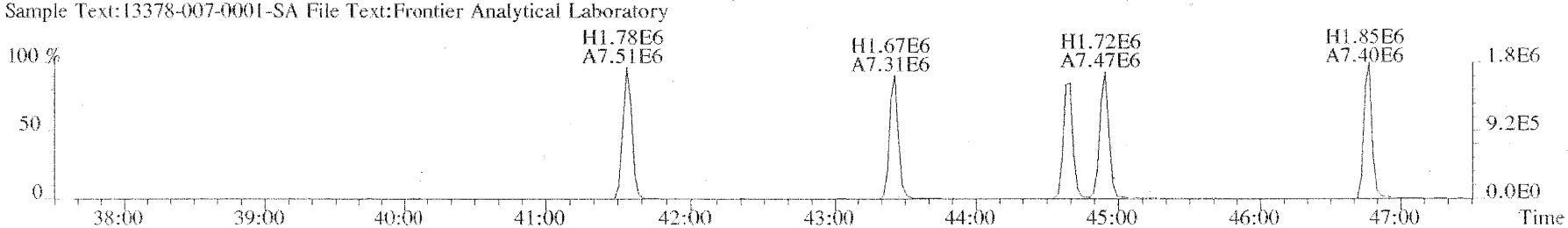
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



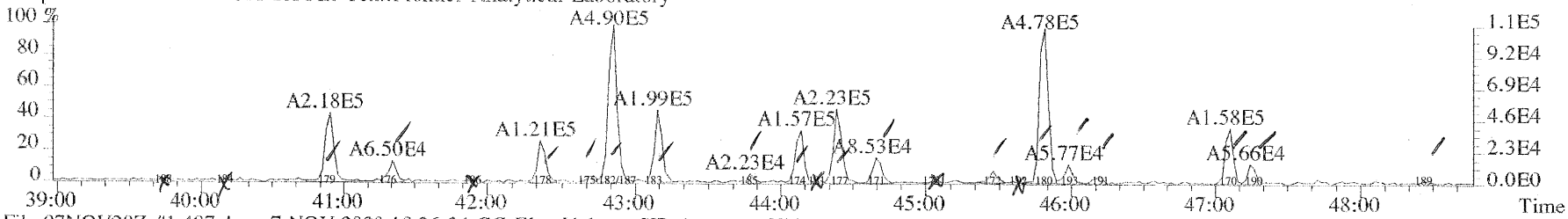
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



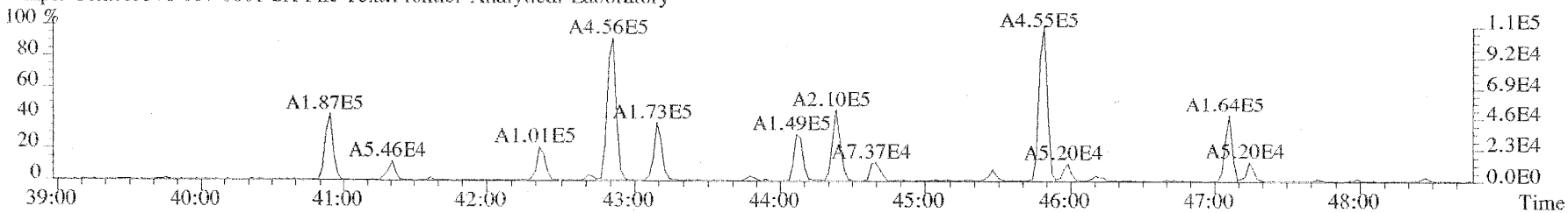
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



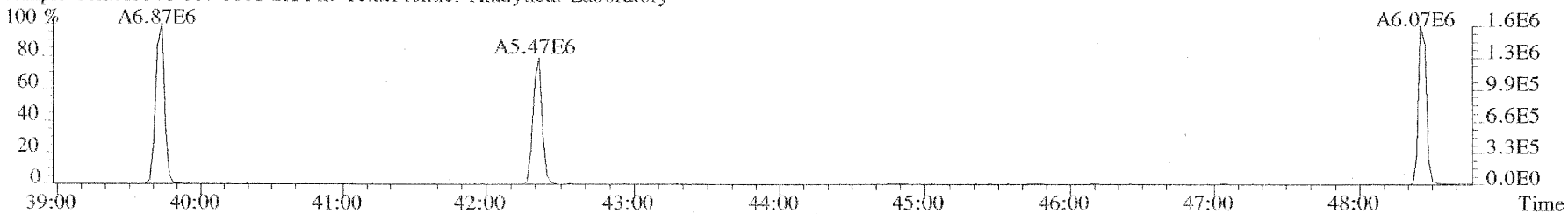
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



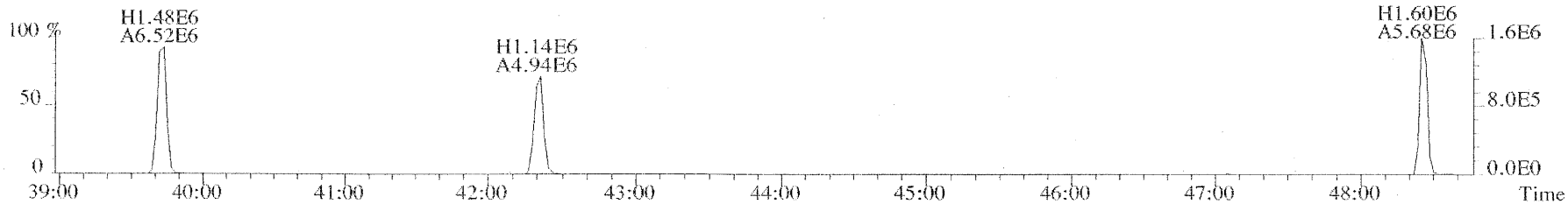
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



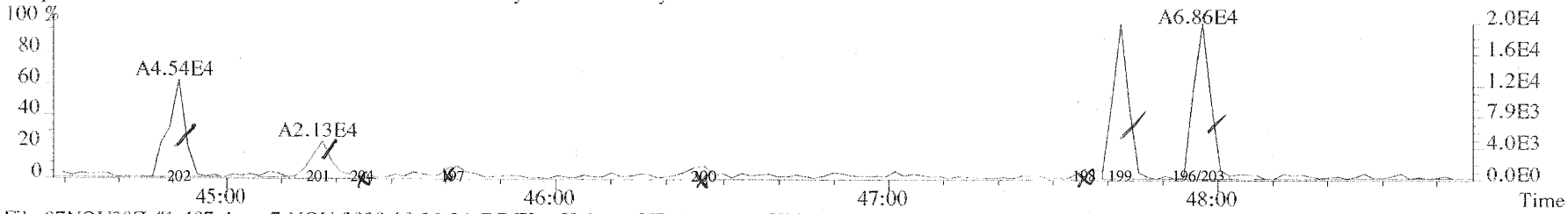
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



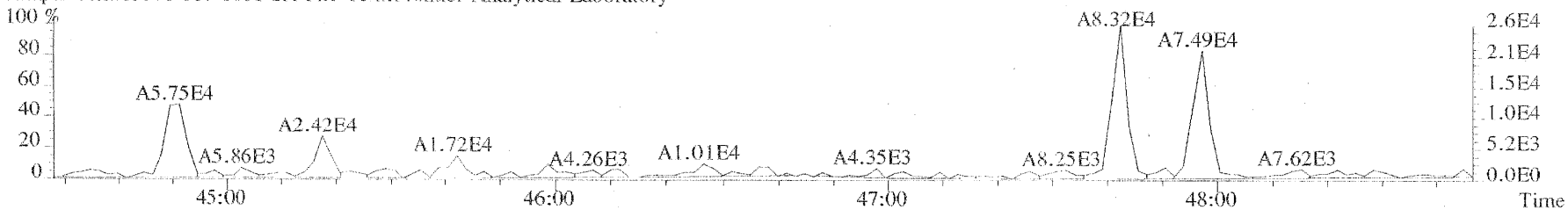
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



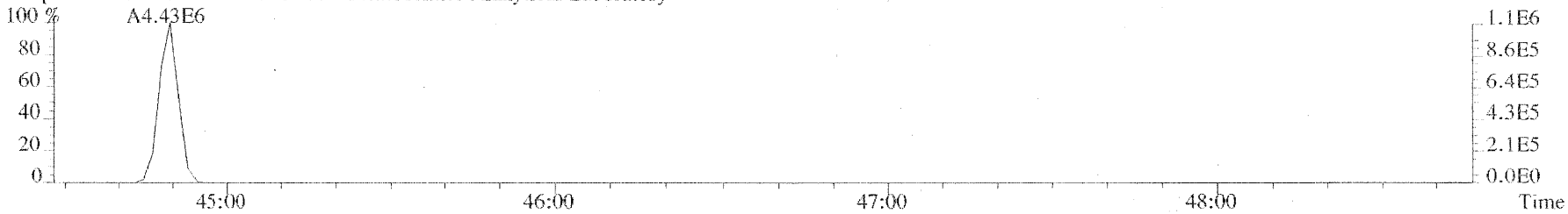
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



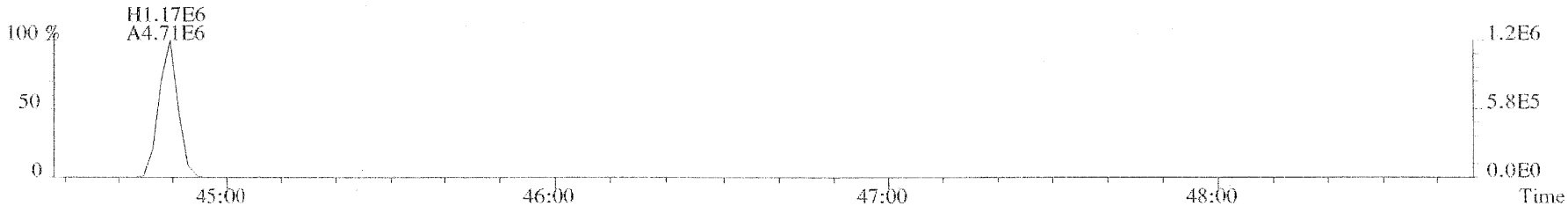
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



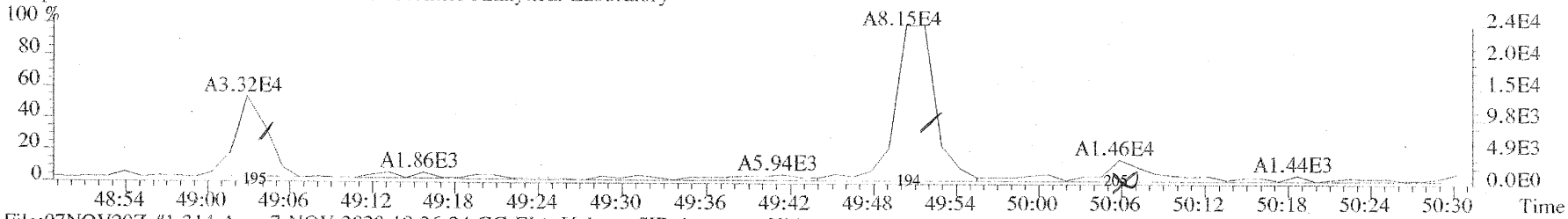
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



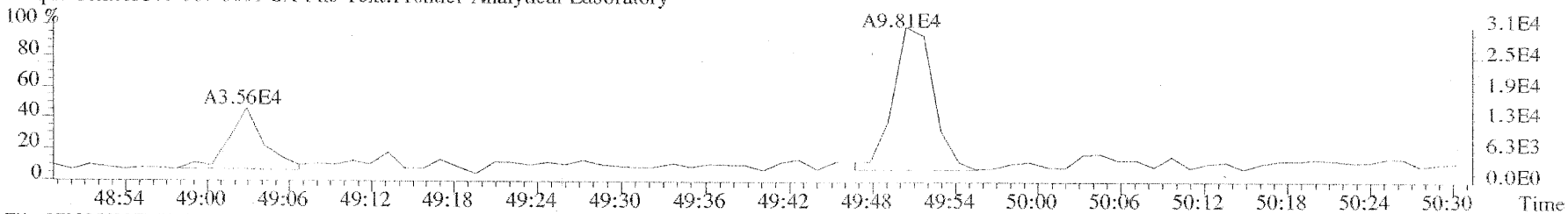
File:07NOV20Z #1-407 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



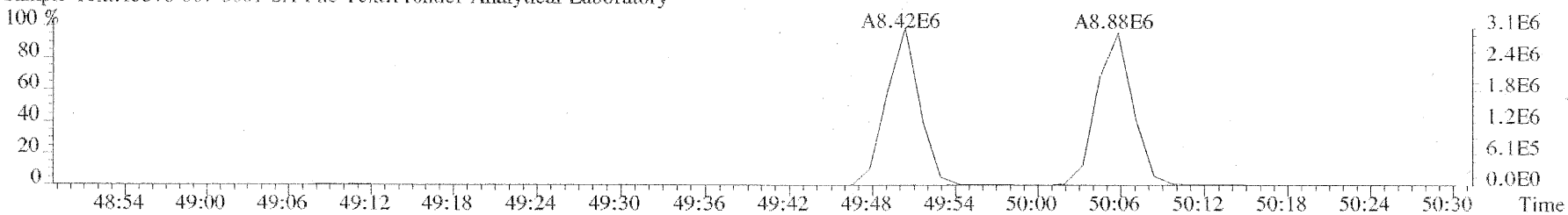
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



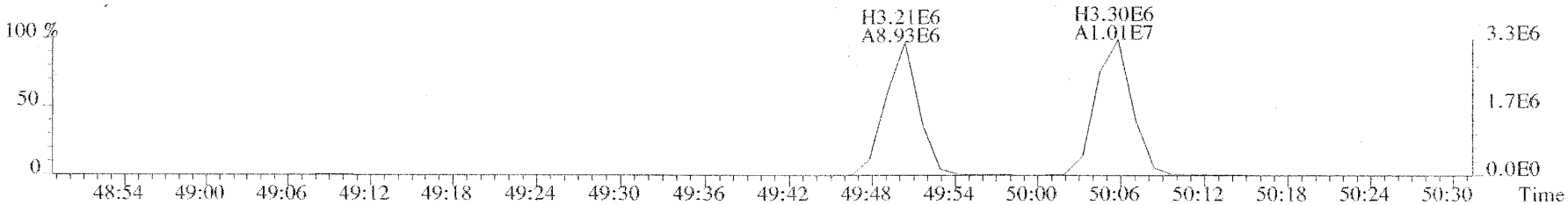
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



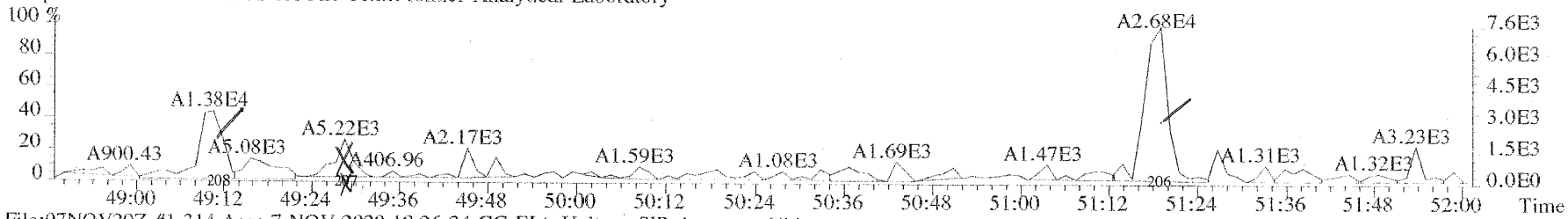
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



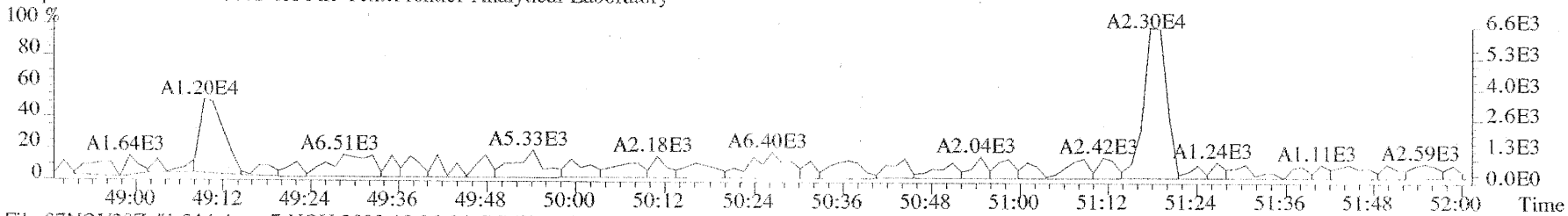
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



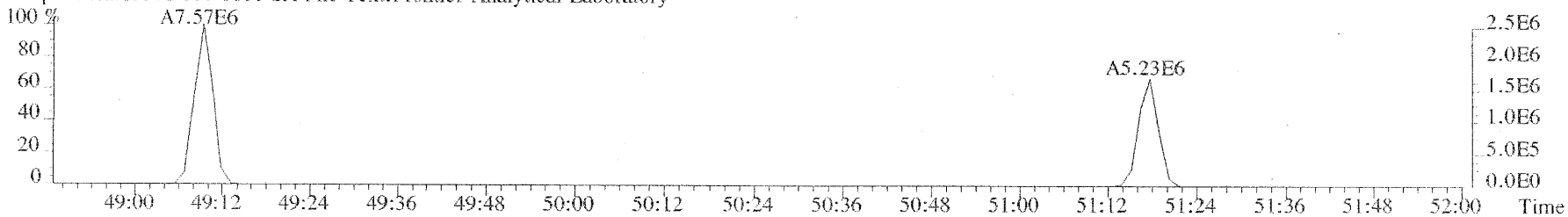
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



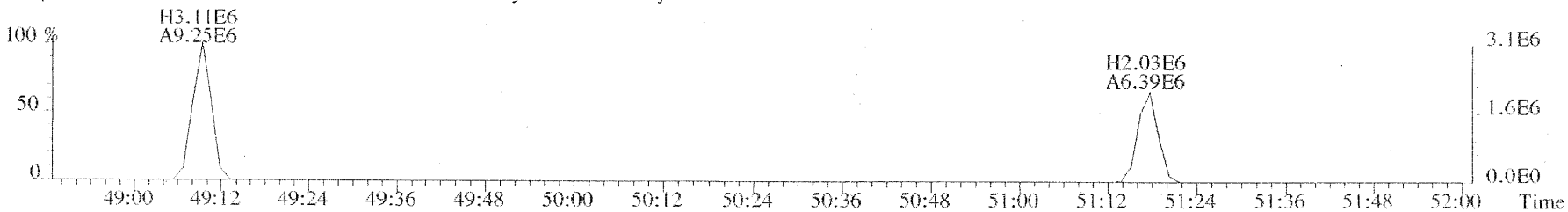
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



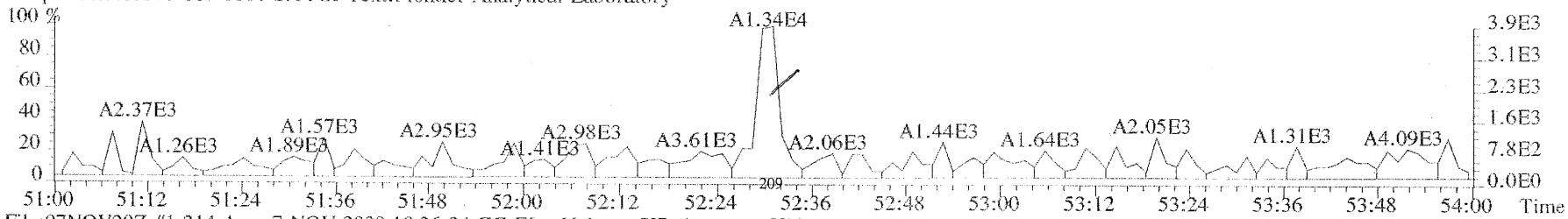
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



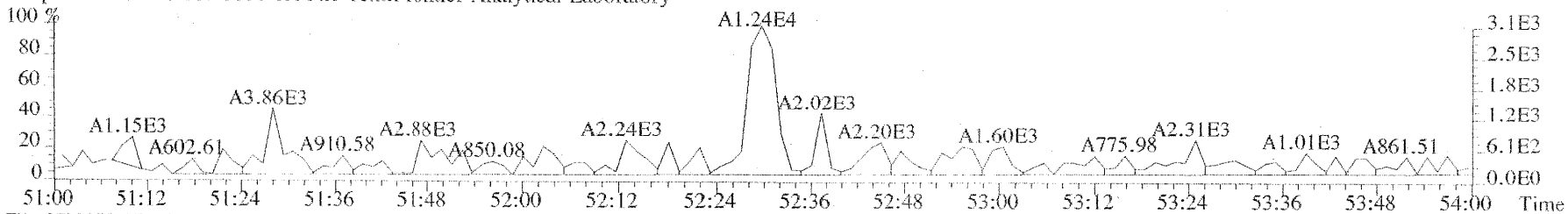
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



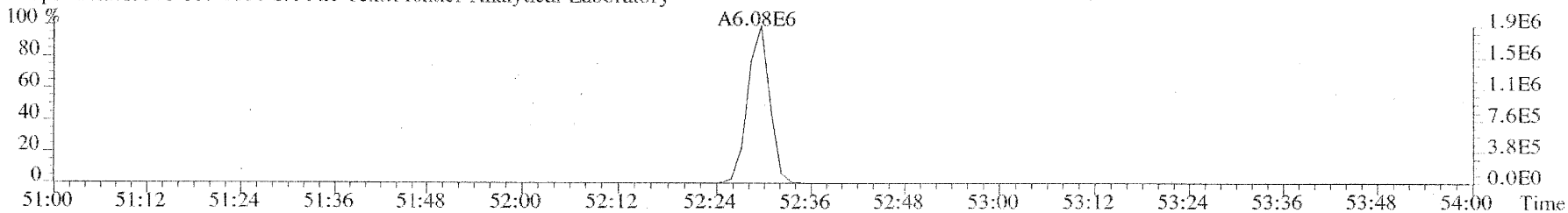
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



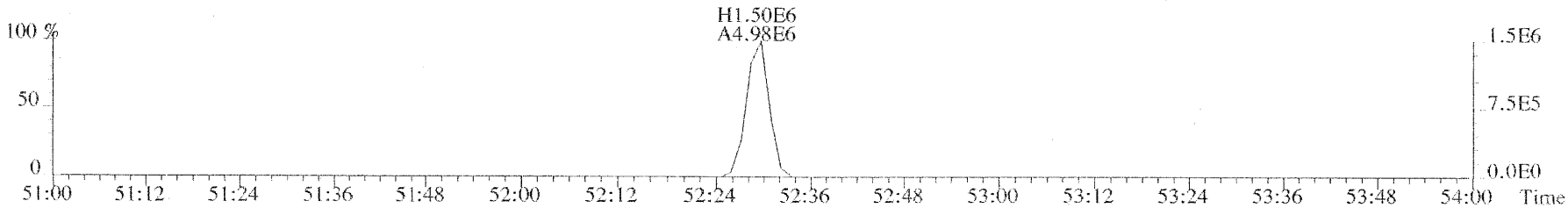
File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 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:13378-007-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 10:26:34 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:13378-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13378-014-0001-SA Filename: 07NOV20Z Sam:5 Acquired: 7-NOV-20 11:24:55 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-B-CLAM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.56

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	3.03e+04	3.01 y	14:32	1.37	1.59	J	-	-	*			
13C-PCB-1	1.32e+07	3.20 y	14:32	0.71	636					67.2	2.84e+06	8.93e+05
PCB-2	*	* n	NotFnd	1.39	*		710	600	0.618			
PCB-3	1.79e+04	2.71 y	16:59	1.40	0.873	J	-	-	*			
13C-PCB-3	1.39e+07	3.28 y	16:58	0.69	693					73.2	2.70e+06	8.18e+05
PCB-4	6.64e+05	1.49 y	18:14	1.08	43.7		-	-	*			
PCB-10	9.22e+04	1.58 y	18:18	1.63	2.95		-	-	*			
13C-PCB-4	1.33e+07	1.57 y	18:13	0.65	699					73.8	2.14e+06	1.35e+06
PCB-9	2.57e+05	1.58 y	19:55	1.51	8.87		-	-	*			
PCB-7	1.77e+05	1.49 y	19:58	1.53	6.02		-	-	*			
PCB-6	2.00e+06	1.49 y	20:32	1.52	68.8		-	-	*			
PCB-8	3.51e+06	1.49 y	20:55	1.51	122		-	-	*			
PCB-5	*	* n	NotFnd	1.56	*		566	2210	0.988			
PCB-14	*	* n	NotFnd	1.47	*		566	2210	1.05			
PCB-11	4.93e+05	1.45 y	23:07	1.42	18.2		-	-	*			
PCB-13	2.62e+05	1.43 y	23:27	1.43	9.60		-	-	*			
PCB-12	1.63e+05	1.58 y	23:28	1.44	5.92		-	-	*			
PCB-15	1.24e+06	1.47 y	23:46	1.31	39.0		-	-	*			
13C-PCB-15	2.29e+07	1.69 y	23:45	0.98	804					84.9	3.07e+06	1.85e+06
PCB-19	5.67e+05	1.08 y	22:07	1.34	41.4		-	-	*			
PCB-30	*	* n	NotFnd	1.94	*		1560	448	0.981			
PCB-18	7.99e+06	1.06 y	23:40	1.33	588		-	-	*			
PCB-17	4.45e+06	1.05 y	23:50	1.44	303		-	-	*			
PCB-27	5.29e+05	1.03 y	24:20	1.86	27.9		-	-	*			
PCB-24	6.64e+05	1.11 y	24:21	1.83	35.6		-	-	*			
PCB-16	2.71e+06	1.01 y	24:51	1.60	166		-	-	*			
PCB-32	3.37e+06	1.10 y	24:52	1.71	193		-	-	*			
13C-PCB-19	9.66e+06	1.08 y	22:06	0.38	862					91.1	1.31e+06	1.19e+06
13C-PCB-9	2.77e+07	1.59 y	19:53	-	5.49							
PCB-34	3.53e+05	1.15 y	25:37	1.26	12.0		-	-	*			
PCB-23	*	* n	NotFnd	1.52	*		987	840	0.659			
PCB-29	1.19e+05	1.06 y	25:57	1.40	3.64		-	-	*			
PCB-26	5.56e+06	1.04 y	26:08	1.33	179		-	-	*			
PCB-25	2.95e+06	1.07 y	26:17	1.31	96.7		-	-	*			
PCB-31	2.13e+07	1.07 y	26:37	1.40	649		-	-	*			
PCB-28	2.08e+07	1.10 y	26:44	1.55	573		-	-	*			
PCB-20	1.13e+07	1.06 y	27:19	1.29	376		-	-	*		Co-elute PCB 21/33	
PCB-21	1.13e+07	1.06 y	27:19	1.29	376		-	-	*		Co-elute PCB 20/33	
PCB-33	1.13e+07	1.06 y	27:19	1.29	376		-	-	*		Co-elute PCB 20/21	
PCB-22	6.94e+06	1.08 y	27:43	1.48	201		-	-	*			
PCB-36	*	* n	NotFnd	1.32	*		987	840	0.754			
PCB-39	8.64e+04	1.06 y	28:46	1.32	2.80		-	-	*			
PCB-38	2.80e+05	0.97 y	29:29	1.33	9.02		-	-	*			
PCB-35	1.90e+05	1.05 y	29:59	1.24	6.57		-	-	*			
PCB-37	3.35e+06	1.05 y	30:23	1.28	112		-	-	*			
13C-PCB-37	2.21e+07	1.10 y	30:22	1.76	842					88.9	2.23e+06	2.10e+06

PCB-54	4.75e+04	0.85	y	25:39	1.37	2.50	-	-	*			
PCB-50	7.17e+04	0.86	y	26:46	1.07	4.81	-	-	*			
PCB-53	2.20e+06	0.77	y	27:21	1.02	154	-	-	*			
PCB-51	8.05e+05	0.73	y	27:42	1.10	52.5	-	-	*			
PCB-45	2.04e+06	0.77	y	28:06	0.90	162	-	-	*			
PCB-46	8.04e+05	0.81	y	28:34	0.86	67.1	-	-	*			
PCB-52	2.03e+07	0.79	y	28:59	1.07	1360	-	-	*	Co-elute PCB 69		
PCB-69	2.03e+07	0.79	y	28:59	1.07	1360	-	-	*	Co-elute PCB 52		
PCB-73	5.34e+05	0.76	y	29:05	1.38	27.8	-	-	*			
PCB-43	1.39e+07	0.79	y	29:16	0.98	1020	-	-	*	Co-elute PCB 49		
PCB-49	1.39e+07	0.79	y	29:16	0.98	1020	-	-	*	Co-elute PCB 43		
PCB-47	5.29e+06	0.76	y	29:29	1.04	365	-	-	*			
PCB-48	4.37e+06	0.80	y	29:35	1.22	257	-	-	*	Co-elute PCB 75		
PCB-75	4.37e+06	0.80	y	29:35	1.22	257	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.23	*	756	880	0.920			
PCB-62	*	*	n	NotFnd	1.36	*	756	880	0.834			
PCB-44	1.15e+07	0.79	y	30:13	0.85	973	-	-	*			
PCB-42	6.56e+06	0.78	y	30:26	1.10	426	-	-	*	Co-elute PCB 59		
PCB-59	6.56e+06	0.78	y	30:26	1.10	426	-	-	*	Co-elute PCB 42		
PCB-72	1.49e+07	0.77	y	31:00	1.23	866	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.49e+07	0.77	y	31:00	1.23	866	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.49e+07	0.77	y	31:00	1.23	866	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.49e+07	0.77	y	31:00	1.23	866	-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.25e+05	0.85	y	31:14	1.40	16.6	-	-	*			
PCB-40	2.02e+06	0.75	y	31:27	0.78	186	-	-	*			
PCB-57	1.97e+05	0.77	y	31:47	1.33	10.6	-	-	*			
PCB-67	6.90e+05	0.75	y	32:05	1.23	40.4	-	-	*			
PCB-58	1.57e+05	0.70	y	32:11	1.44	7.79	-	-	*			
PCB-63	8.44e+05	0.75	y	32:20	1.35	45.0	-	-	*			
PCB-74	8.27e+06	0.78	y	32:36	1.28	463	-	-	*			
PCB-61	1.64e+07	0.79	y	32:48	1.23	952	-	-	*	Co-elute PCB 70		
PCB-70	1.64e+07	0.79	y	32:48	1.23	952	-	-	*	Co-elute PCB 61		
PCB-76	1.70e+07	0.79	y	33:00	1.38	885	-	-	*	Co-elute PCB 66		
PCB-66	1.70e+07	0.79	y	33:00	1.38	885	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.58	*	756	880	0.717			
PCB-55	3.26e+05	0.84	y	33:31	1.36	17.2	-	-	*			
13C-PCB-54	1.32e+07	0.81	y	25:38	1.21	731					77.2	1.53e+06 1.89e+06
PCB-104	*	*	n	NotFnd	1.22	*	524	588	0.888			
PCB-96	1.12e+05	1.53	y	31:17	1.18	9.41	-	-	*			
PCB-103	1.77e+05	1.44	y	31:47	0.97	18.3	-	-	*			
PCB-100	7.04e+04	1.44	y	32:07	0.99	7.04	-	-	*			
PCB-94	6.43e+04	1.68	y	32:34	0.82	7.79	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*	524	588	1.26	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	524	588	1.26	Co-elute PCB 98		
PCB-95	8.15e+06	1.54	y	33:04	0.87	934	-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*	524	588	1.27			
PCB-88	1.52e+06	1.61	y	33:28	0.90	168	-	-	*	Co-elute PCB 91		
PCB-91	1.52e+06	1.61	y	33:28	0.90	168	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.19	*	524	588	0.913			
13C-PCB-104	9.54e+06	1.58	y	30:03	0.78	819					86.5	1.50e+06 9.35e+05
13C-PCB-28	2.71e+07	1.02	y	26:42	2.19	827					87.3	3.25e+06 3.01e+06
13C-PCB-52	1.41e+07	0.81	y	28:58	-	6.19						

PCB-56	1.14e+07	0.82	y	33:58	1.25	421	-	-	*		Co-elute PCB 60	
PCB-60	1.14e+07	0.82	y	33:58	1.25	421	-	-	*		Co-elute PCB 56	
PCB-79	3.24e+05	0.71	y	35:00	1.31	11.4	-	-	*			
PCB-78	1.32e+05	0.71	y	35:35	1.27	4.79	-	-	*			
PCB-81	3.48e+05	0.76	y	36:11	1.33	12.3	-	-	*			
13C-PCB-81	2.03e+07	0.81	y	36:08	1.84	830				87.6	2.03e+06	2.57e+06
PCB-77	1.27e+06	0.83	y	36:44	1.17	49.5	-	-	*			
13C-PCB-77	2.08e+07	0.81	y	36:42	1.89	827				87.4	1.95e+06	2.46e+06
PCB-155	*	*	n	NotFnd	1.16	*	756	728	1.16			
PCB-150	*	*	n	NotFnd	1.10	*	756	728	1.22			
PCB-152	*	*	n	NotFnd	1.09	*	756	728	1.23			
PCB-145	*	*	n	NotFnd	1.12	*	756	728	1.20			
PCB-136	1.38e+06	1.28	y	36:36	1.06	114	-	-	*			
PCB-148	*	*	n	NotFnd	0.86	*	756	728	1.55			
PCB-154	1.37e+05	1.26	y	37:10	0.94	12.8	-	-	*			
13C-PCB-155	1.08e+07	1.26	y	34:12	1.02	794				83.9	1.46e+06	1.15e+06
13C-PCB-111	1.43e+07	1.62	y	36:17	1.31	822				86.8	2.27e+06	1.35e+06
13C-PCB-101	1.26e+07	1.65	y	34:39	-	6.44						
PCB-84	6.33e+06	1.56	y	34:20	0.69	473	-	-	*		Co-elute PCB 92	
PCB-92	6.33e+06	1.56	y	34:20	0.69	473	-	-	*		Co-elute PCB 84	
PCB-89	2.25e+05	1.59	y	34:30	0.68	17.1	-	-	*			
PCB-90	1.45e+07	1.60	y	34:41	0.76	984	-	-	*		Co-elute PCB 101	
PCB-101	1.45e+07	1.60	y	34:41	0.76	984	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.81	*	599	770	0.961			
PCB-99	7.00e+06	1.70	y	34:59	0.89	410	-	-	*			
PCB-119	6.96e+05	1.69	y	35:25	0.97	37.2	-	-	*			
PCB-83	9.52e+05	1.75	y	35:35	0.76	65.1	-	-	*		Co-elute PCB 112	
PCB-112	9.52e+05	1.75	y	35:35	0.76	65.1	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.95	*	599	770	0.826			
PCB-97	4.15e+06	1.56	y	35:54	0.66	325	-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*	599	770	1.17			
PCB-125	4.65e+06	1.61	y	36:11	0.86	280	-	-	*		Co-elute PCB 87/117	
PCB-87	4.65e+06	1.61	y	36:11	0.86	280	-	-	*		Co-elute PCB 125/117	
PCB-117	4.65e+06	1.61	y	36:11	0.86	280	-	-	*		Co-elute PCB 125/87	
PCB-111	2.86e+05	1.52	y	36:20	0.99	15.0	-	-	*		Co-elute PCB 115	
PCB-115	2.86e+05	1.52	y	36:20	0.99	15.0	-	-	*		Co-elute PCB 111	
PCB-85	2.34e+06	1.58	y	36:26	0.83	147	-	-	*		Co-elute PCB 116	
PCB-116	2.34e+06	1.58	y	36:26	0.83	147	-	-	*		Co-elute PCB 85	
PCB-120	1.22e+05	1.47	y	36:40	1.00	6.28	-	-	*			
PCB-110	1.78e+07	1.61	y	36:48	0.99	931	-	-	*			
PCB-82	1.32e+06	1.56	y	37:24	0.58	118	-	-	*			
PCB-124	7.31e+05	1.62	y	38:03	1.27	29.8	-	-	*			
PCB-108	1.45e+06	1.65	y	38:13	1.26	59.5	-	-	*		Co-elute PCB 107	
PCB-107	1.45e+06	1.65	y	38:13	1.26	59.5	-	-	*		Co-elute PCB 108	
PCB-123	3.02e+05	1.64	y	38:21	1.21	13.5	-	-	*			
13C-PCB-123	1.75e+07	1.53	y	38:19	1.42	792				83.7	2.61e+06	1.69e+06
PCB-118	1.56e+07	1.62	y	38:31	1.21	630	-	-	*		Co-elute PCB 106	
PCB-106	1.56e+07	1.62	y	38:31	1.21	630	-	-	*		Co-elute PCB 118	
13C-PCB-118	1.95e+07	1.66	y	38:29	1.54	820				86.5	2.52e+06	1.58e+06
PCB-114	4.04e+05	1.68	y	39:09	1.30	15.9	-	-	*			
13C-PCB-114	1.85e+07	1.63	y	39:07	1.46	820				86.6	2.60e+06	1.62e+06
PCB-122	2.55e+05	1.76	y	39:15	1.29	10.3	-	-	*			
PCB-105	5.52e+06	1.62	y	39:58	1.31	227	-	-	*			
13C-PCB-105	1.76e+07	1.61	y	39:56	1.45	784				82.8	2.47e+06	1.51e+06

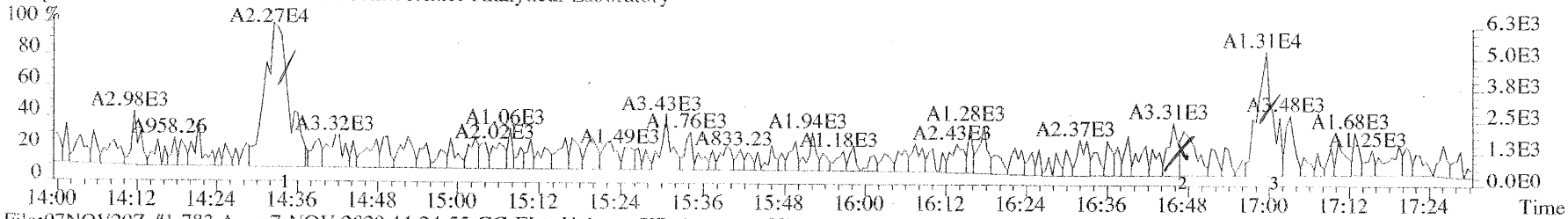
PCB-127	*	*	n	NotFnd	1.21	*	920	730	0.781				
PCB-126	6.49e+04	1.71	y	42:03	1.28	2.79	-	-	*				
13C-PCB-126	1.73e+07	1.63	y	42:03	1.31	850				89.8	2.42e+06	1.47e+06	
PCB-151	2.70e+06	1.26	y	37:48	1.00	181	-	-	*				
PCB-135	1.65e+06	1.26	y	38:00	1.01	110	-	-	*				
PCB-144	5.99e+05	1.34	y	38:06	1.03	39.1	-	-	*				
PCB-147	2.75e+05	1.18	y	38:13	1.11	16.6	-	-	*				
PCB-139	9.08e+06	1.24	y	38:28	1.09	561	-	-	*		Co-elute PCB 149		
PCB-149	9.08e+06	1.24	y	38:28	1.09	561	-	-	*		Co-elute PCB 139		
PCB-140	1.25e+05	1.09	y	38:39	1.11	7.59	-	-	*				
PCB-143	6.63e+05	1.23	y	39:05	0.90	49.4	-	-	*		Co-elute PCB 134		
PCB-134	6.63e+05	1.23	y	39:05	0.90	49.4	-	-	*		Co-elute PCB 143		
PCB-131	4.11e+05	1.27	y	39:20	0.92	30.1	-	-	*		Co-elute PCB 133		
PCB-133	4.11e+05	1.27	y	39:20	0.92	30.1	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.94	*	970	770	1.37				
PCB-165	2.10e+06	1.31	y	39:42	1.20	118	-	-	*		Co-elute PCB 146		
PCB-146	2.10e+06	1.31	y	39:42	1.20	118	-	-	*		Co-elute PCB 165		
PCB-161	3.62e+06	1.27	y	39:58	1.14	213	-	-	*		Co-elute PCB 132		
PCB-132	3.62e+06	1.27	y	39:58	1.14	213	-	-	*		Co-elute PCB 161		
PCB-153	1.00e+07	1.25	y	40:05	1.19	564	-	-	*				
PCB-168	*	*	n	NotFnd	1.33	*	970	770	0.970				
PCB-141	9.97e+05	1.18	y	40:48	1.03	65.5	-	-	*				
PCB-137	5.31e+05	1.21	y	41:09	1.03	34.8	-	-	*				
PCB-130	7.67e+05	1.25	y	41:14	0.89	58.0	-	-	*				
PCB-138	1.14e+07	1.27	y	41:35	1.19	641	-	-	*		Co-elute PCB 163/164		
PCB-163	1.14e+07	1.27	y	41:35	1.19	641	-	-	*		Co-elute PCB 138/164		
PCB-164	1.14e+07	1.27	y	41:35	1.19	641	-	-	*		Co-elute PCB 138/163		
PCB-158	1.46e+06	1.22	y	41:48	1.33	74.1	-	-	*		Co-elute PCB 160		
PCB-160	1.46e+06	1.22	y	41:48	1.33	74.1	-	-	*		Co-elute PCB 158		
PCB-129	3.35e+05	1.20	y	42:03	0.87	26.1	-	-	*				
PCB-166	6.26e+04	1.23	y	42:30	1.29	3.26	-	-	*				
PCB-159	9.75e+04	1.18	y	42:51	1.39	4.74	-	-	*				
PCB-128	1.79e+06	1.22	y	43:04	1.12	108	-	-	*		Co-elute PCB 162		
PCB-162	1.79e+06	1.22	y	43:04	1.12	108	-	-	*		Co-elute PCB 128		
PCB-167	4.32e+05	1.24	y	43:26	1.24	23.1	-	-	*				
13C-PCB-167	1.43e+07	1.27	y	43:26	1.14	810				85.5	1.86e+06	1.44e+06	
PCB-156	1.02e+06	1.30	y	44:40	1.30	54.2	-	-	*				
13C-PCB-156	1.38e+07	1.30	y	44:38	1.10	805				85.0	1.70e+06	1.32e+06	
PCB-157	2.65e+05	1.14	y	44:54	1.27	13.8	-	-	*				
13C-PCB-157	1.44e+07	1.29	y	44:54	1.16	802				84.7	1.76e+06	1.34e+06	
PCB-169	*	*	n	NotFnd	1.21	*	970	770	1.01				
13C-PCB-169	1.38e+07	1.27	y	46:45	1.07	834				88.1	1.91e+06	1.46e+06	

FAL ID: 13378-014-0001-SA Filename: 07NOV20Z Sam:5 Acquired: 7-NOV-20 11:24:55 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-B-CLAM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.56

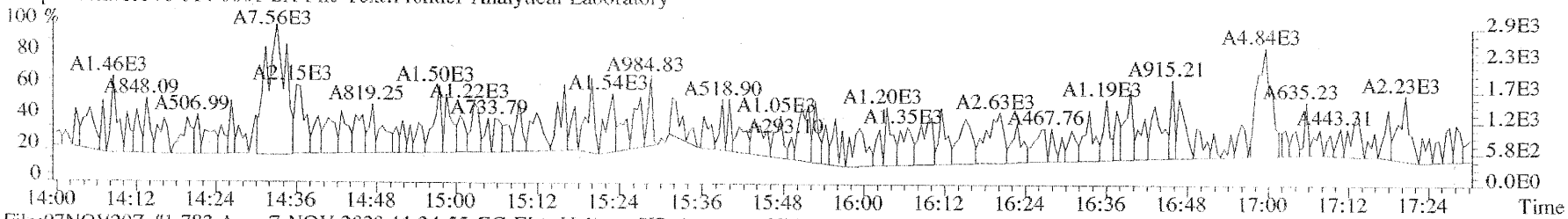
PCB-188	*	*	n	NotFnd	1.19	*		651	728	1.13			
13C-PCB-188	1.09e+07	1.10	y	39:43	0.92	758					80.1	1.29e+06	1.13e+06
PCB-184	*	*	n	NotFnd	1.33	*		651	728	0.933			
PCB-179	8.44e+05	1.12	y	40:54	1.26	61.1		-	-	*			
PCB-176	2.70e+05	1.02	y	41:20	1.20	20.6		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		651	728	1.02			
PCB-178	4.06e+05	1.13	y	42:21	0.88	42.1		-	-	*			
PCB-175	7.82e+04	1.10	y	42:41	0.93	7.67		-	-	*			
PCB-187	1.84e+06	1.09	y	42:51	1.00	168		-	-	*		Co-elute PCB 182	
PCB-182	1.84e+06	1.09	y	42:51	1.00	168		-	-	*		Co-elute PCB 187	
PCB-183	7.44e+05	1.14	y	43:09	0.99	68.3		-	-	*			
PCB-185	9.70e+04	1.09	y	43:47	0.90	9.81		-	-	*			
PCB-174	7.49e+05	1.10	y	44:07	0.84	81.0		-	-	*			
PCB-181	*	*	n	NotFnd	1.01	*		651	728	1.23			
PCB-177	8.33e+05	1.07	y	44:23	0.86	88.7		-	-	*			
PCB-171	3.55e+05	1.14	y	44:40	0.91	35.7		-	-	*			
PCB-173	*	*	n	NotFnd	0.85	*		651	728	1.46			
PCB-172	1.40e+05	1.16	y	45:27	0.85	15.0		-	-	*			
PCB-192	*	*	n	NotFnd	1.15	*		651	728	1.08			
PCB-180	2.02e+06	1.11	y	45:49	0.89	205		-	-	*			
PCB-193	1.97e+05	1.08	y	45:59	1.22	14.7		-	-	*			
PCB-191	6.88e+04	1.13	y	46:12	1.18	5.31		-	-	*			
PCB-170	7.28e+05	1.13	y	47:06	0.84	78.8		-	-	*			
PCB-190	2.36e+05	1.16	y	47:14	1.15	18.7		-	-	*			
PCB-189	4.17e+04	1.19	y	48:27	1.15	3.44		-	-	*			
13C-PCB-189	9.94e+06	1.08	y	48:25	0.80	803					84.8	1.49e+06	1.42e+06
PCB-202	1.63e+05	0.84	y	44:51	1.11	18.7		-	-	*			
PCB-201	7.65e+04	0.83	y	45:17	1.19	8.20		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		328	420	0.823			
PCB-197	2.74e+04	0.94	y	45:41	1.22	2.85		-	-	*			
PCB-200	3.10e+04	0.85	y	46:27	1.19	3.32		-	-	*			
PCB-198	*	*	n	NotFnd	0.86	*		328	420	1.16			
PCB-199	2.51e+05	0.95	y	47:42	0.88	36.3		-	-	*			
PCB-203	2.44e+05	0.90	y	47:57	0.95	32.5		-	-	*		Co-elute PCB 196	
PCB-196	2.44e+05	0.90	y	47:57	0.95	32.5		-	-	*		Co-elute PCB 203	
13C-PCB-202	7.45e+06	0.90	y	44:49	0.64	747					78.9	8.64e+05	9.07e+05
13C-PCB-178	8.69e+06	1.02	y	42:21	0.67	834					88.1	9.71e+05	9.68e+05
13C-PCB-138	1.47e+07	1.31	y	41:34	-	6.62							
PCB-195	1.40e+05	0.80	y	49:03	0.93	8.78		-	-	*			
PCB-194	3.23e+05	0.78	y	49:50	0.95	19.8		-	-	*			
PCB-205	4.03e+04	0.90	y	50:06	1.18	1.99		-	-	*			
13C-PCB-205	1.63e+07	0.92	y	50:06	1.24	807					85.2	2.62e+06	2.77e+06
PCB-208	3.07e+04	1.14	y	49:09	1.11	1.87	J	-	-	*			
13C-PCB-208	1.41e+07	0.83	y	49:09	1.12	775					81.8	2.25e+06	2.72e+06
PCB-207	*	*	n	NotFnd	1.29	*		600	964	0.718			
PCB-206	5.97e+04	1.36	y	51:18	1.13	5.10		-	-	*			
13C-PCB-206	9.78e+06	0.80	y	51:18	0.84	715					75.5	1.40e+06	1.75e+06
PCB-209	3.23e+04	1.29	y	52:30	1.24	2.62		-	-	*			
13C-PCB-209	9.38e+06	1.24	y	52:28	0.81	710					75.0	1.59e+06	1.30e+06
13C-PCB-194	1.54e+07	0.93	y	49:50	-	6.63							

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

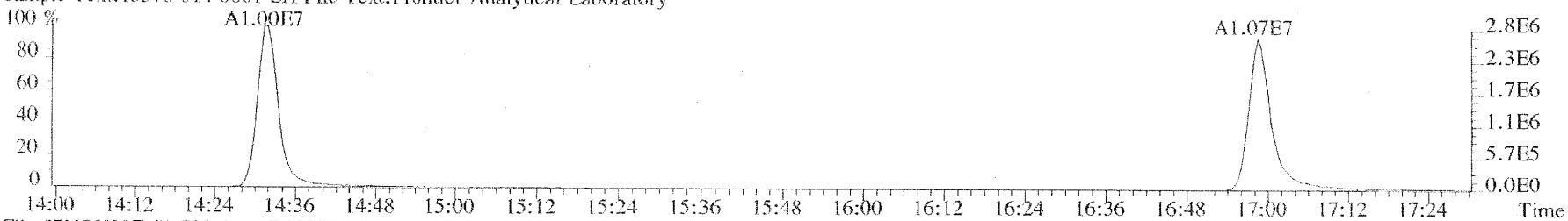
File:07NOV20Z #1-783 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



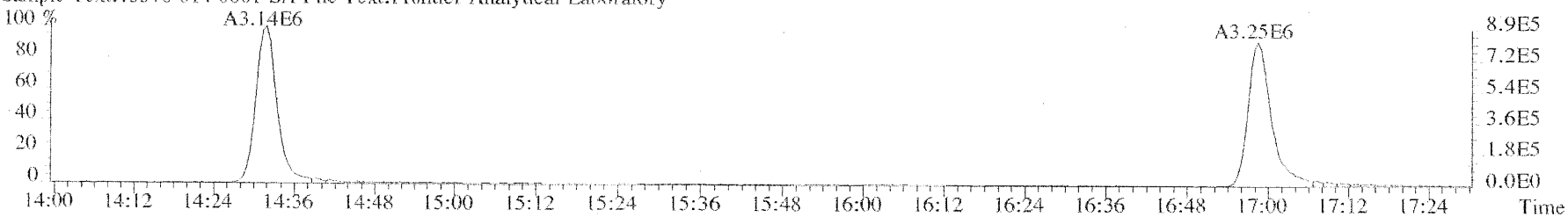
File:07NOV20Z #1-783 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



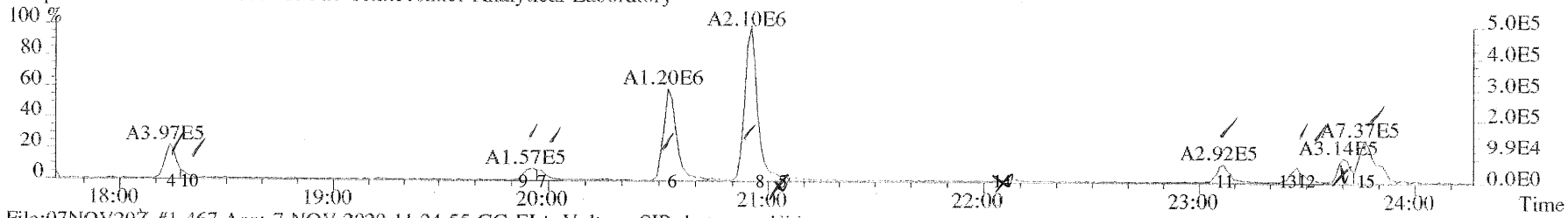
File:07NOV20Z #1-783 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



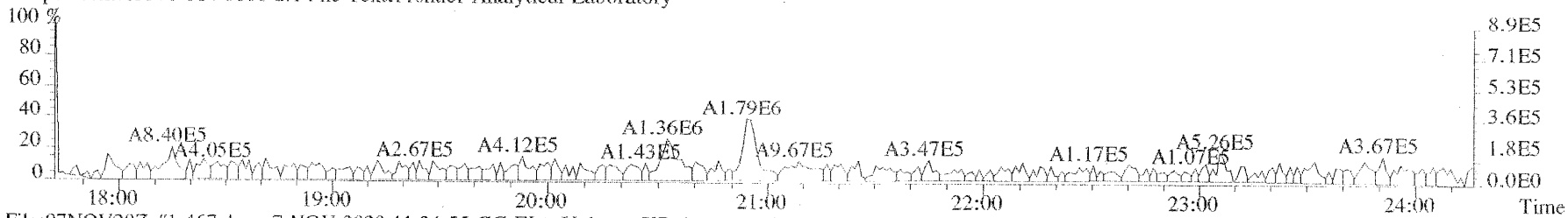
File:07NOV20Z #1-783 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



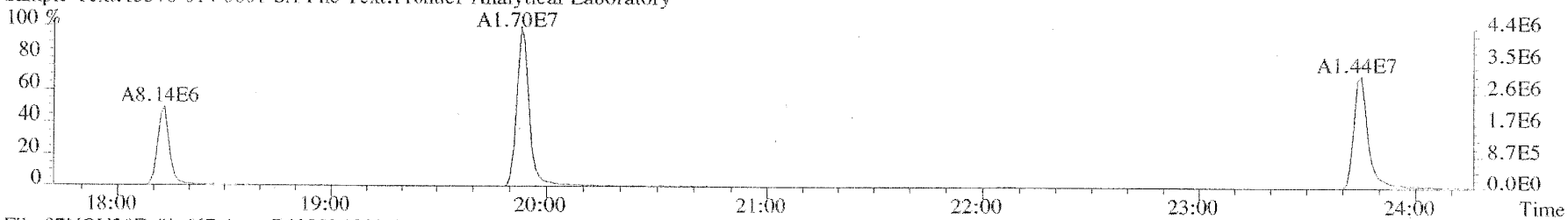
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



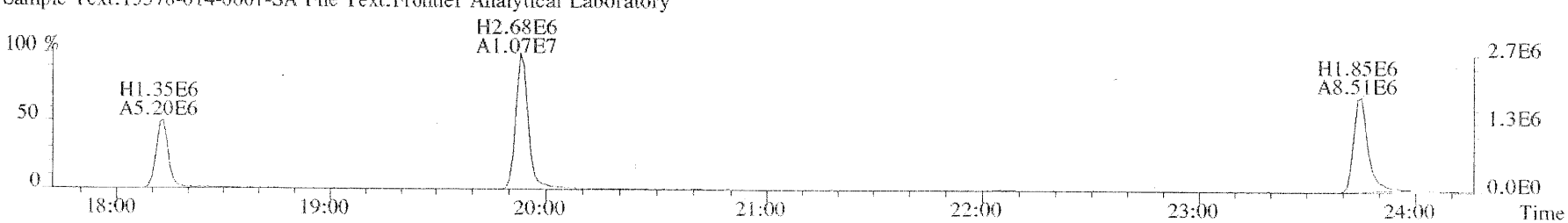
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



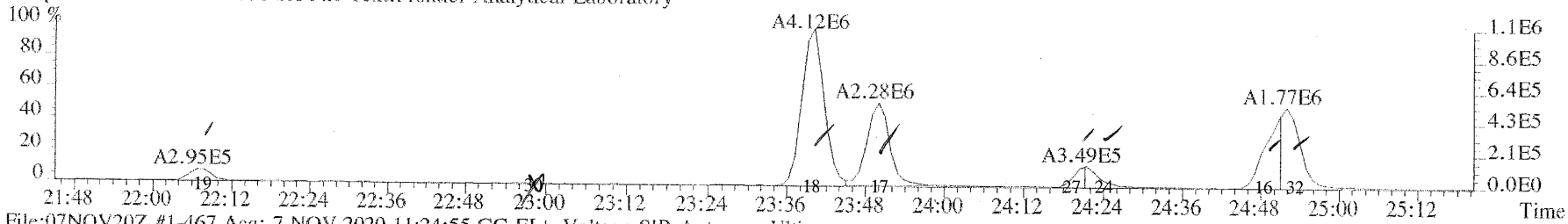
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



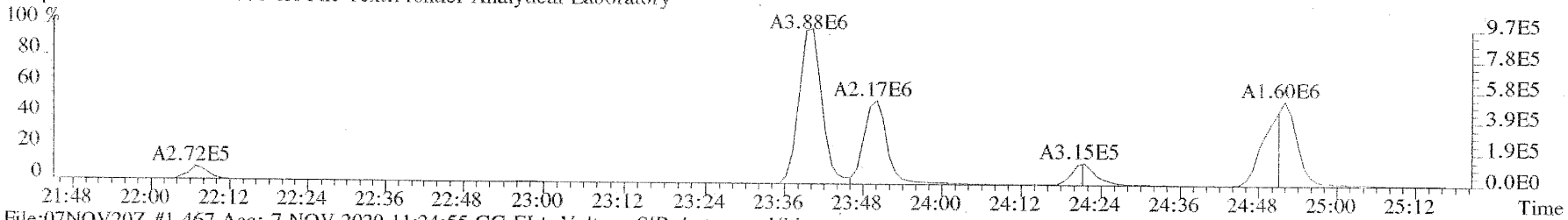
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



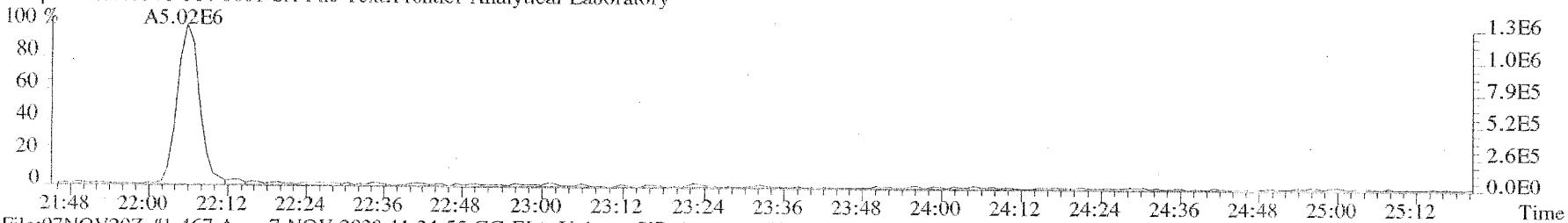
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



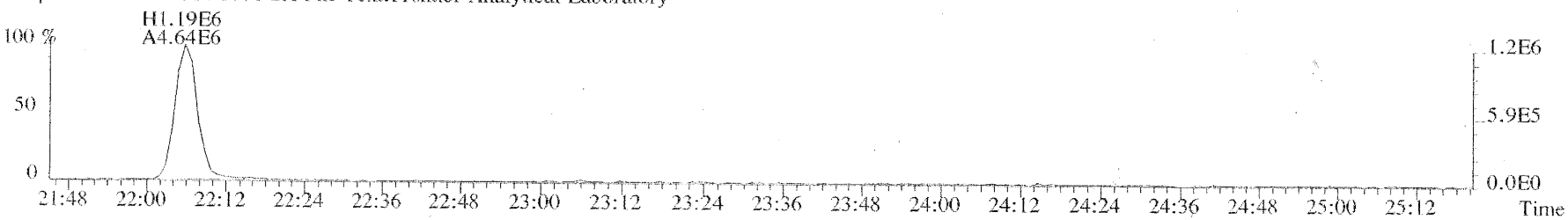
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



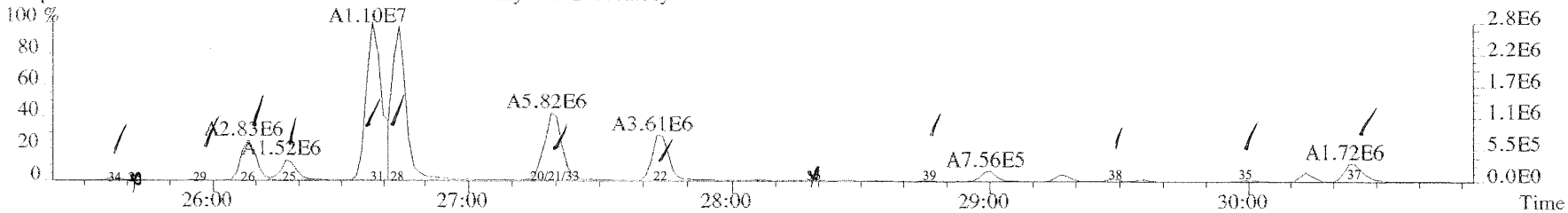
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



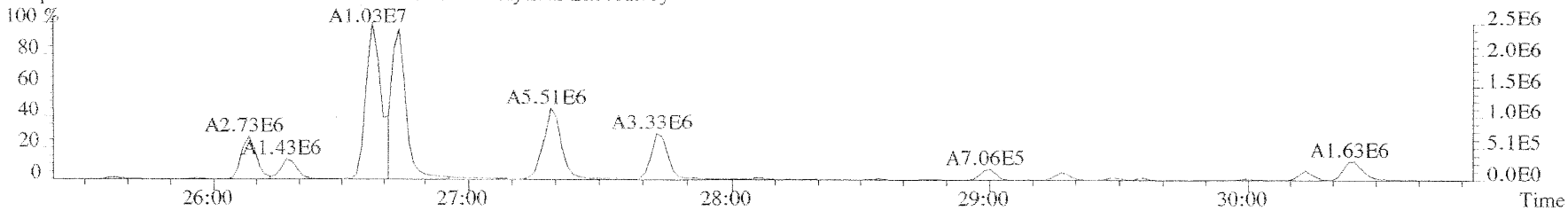
File:07NOV20Z #1-467 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



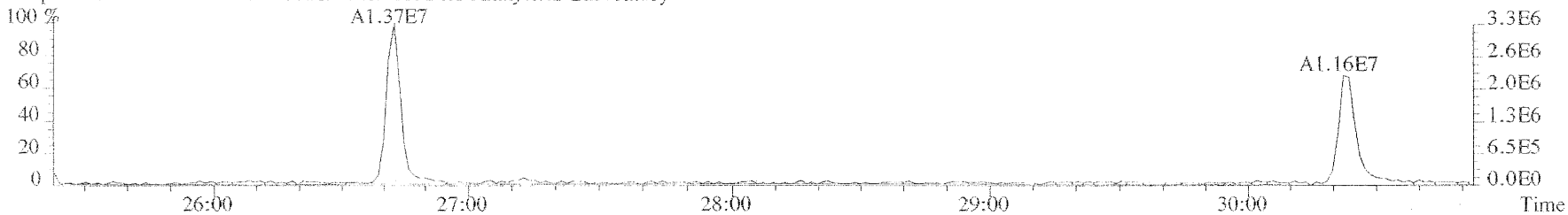
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



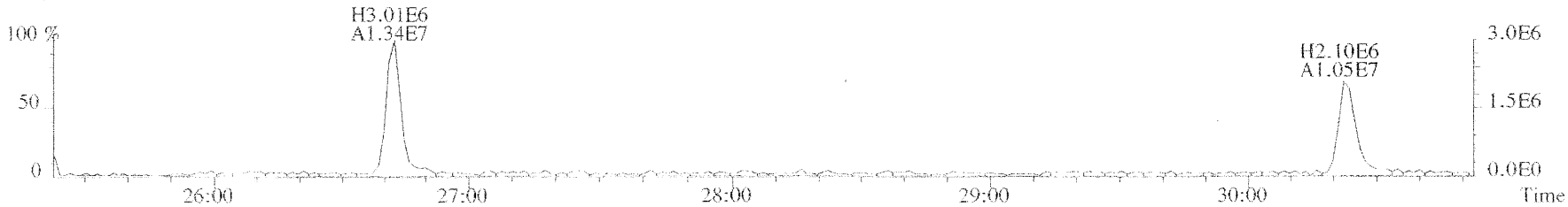
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



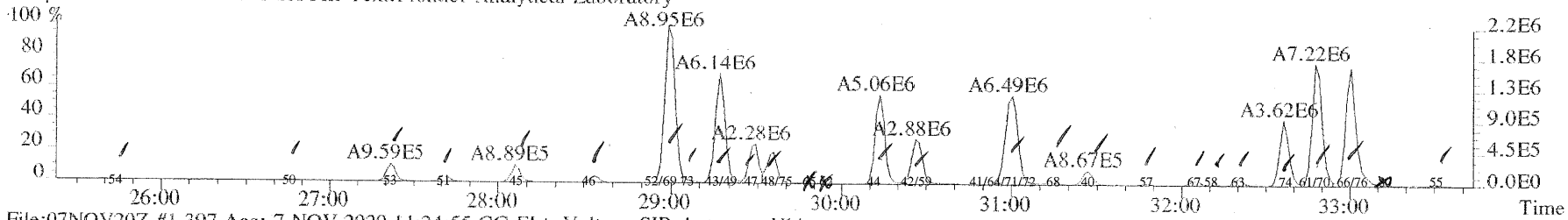
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



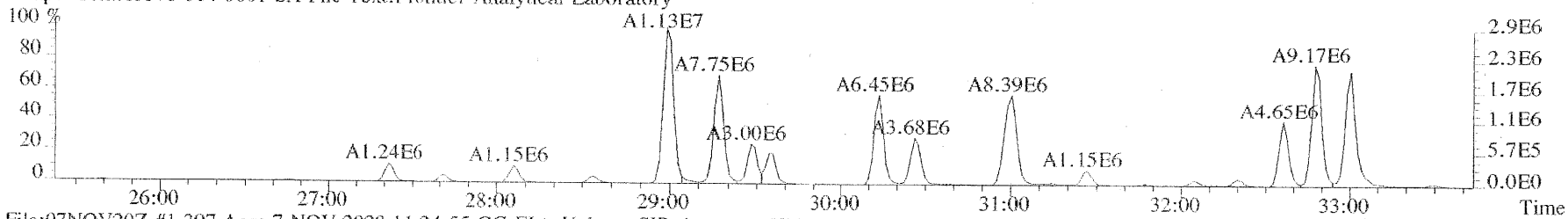
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



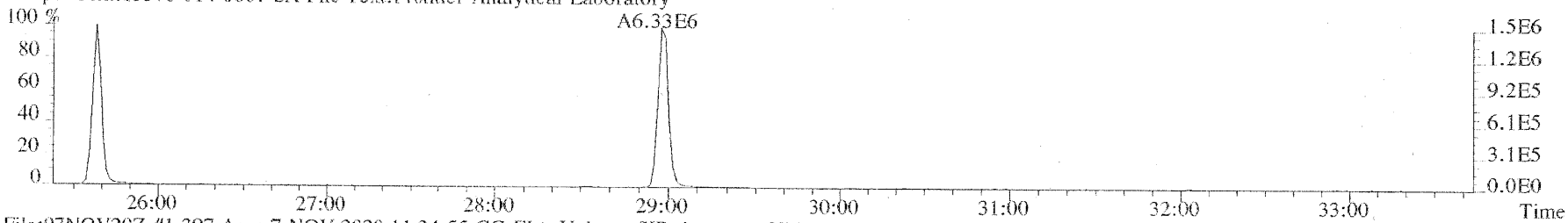
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



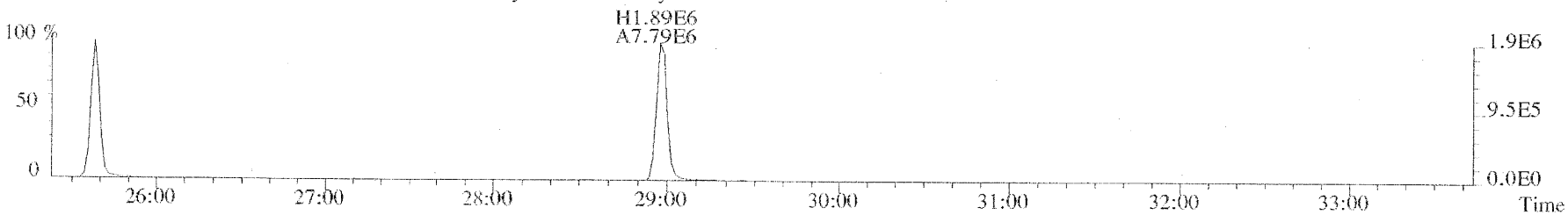
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



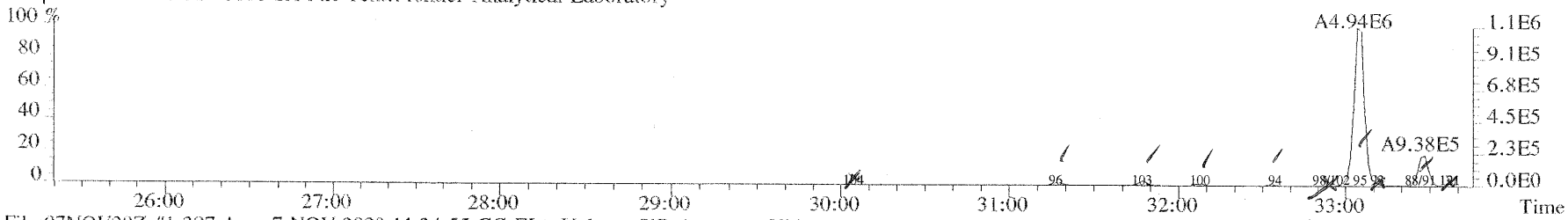
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



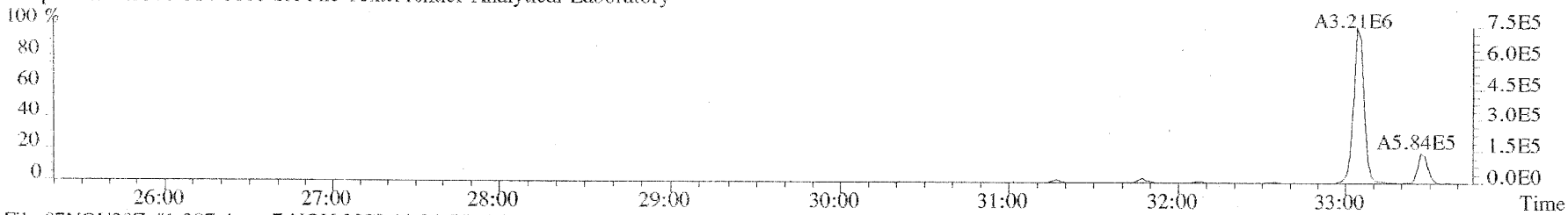
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



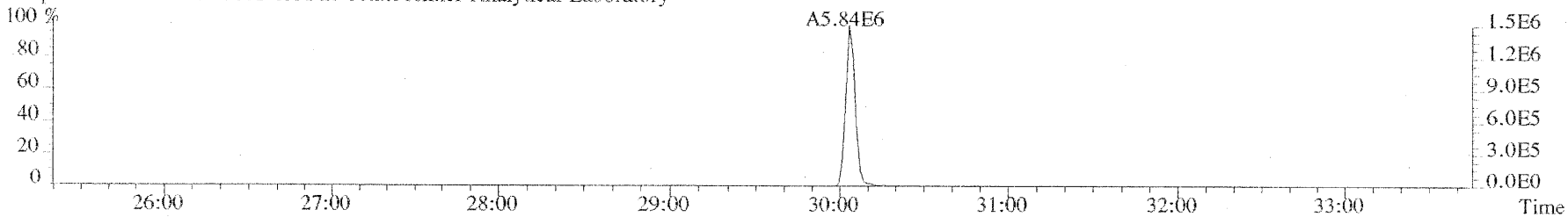
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



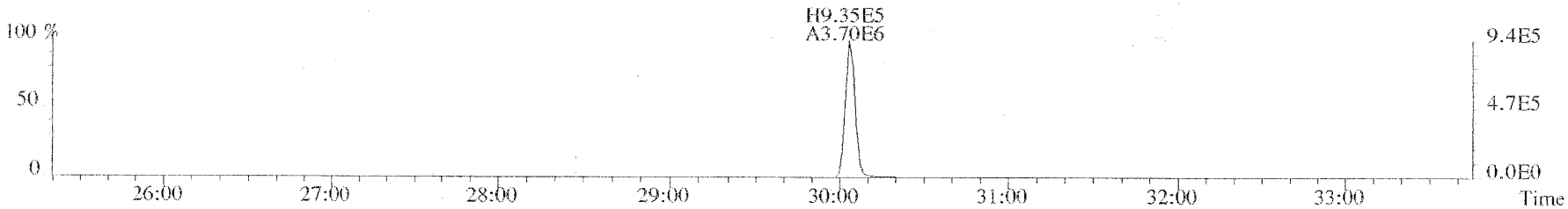
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



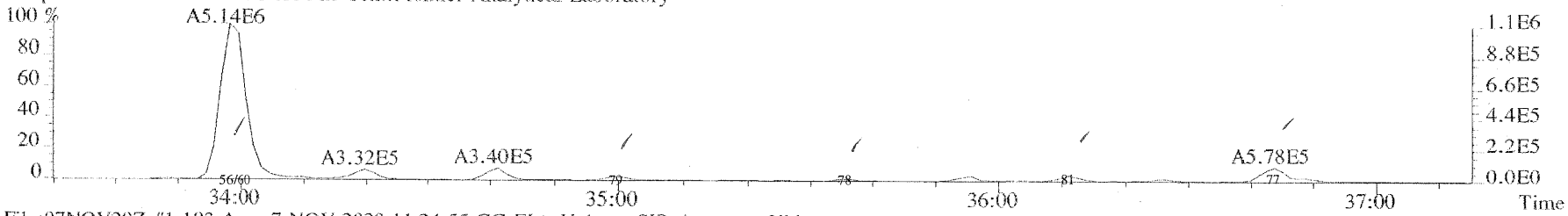
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



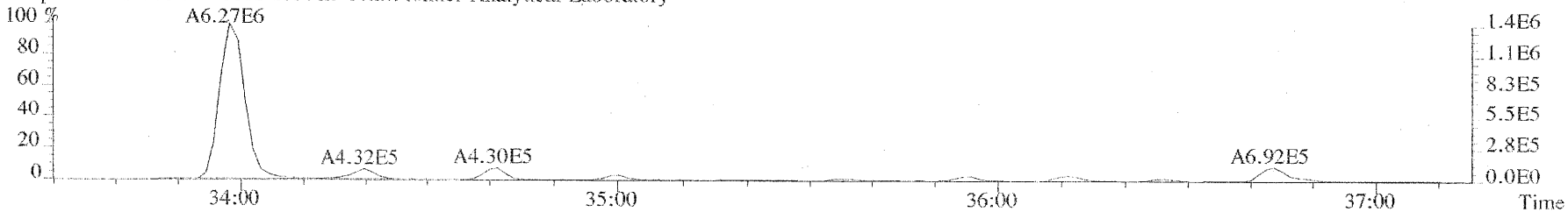
File:07NOV20Z #1-397 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



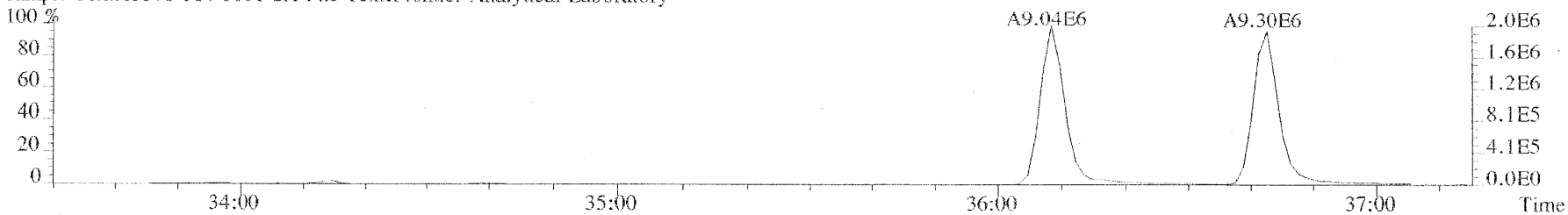
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



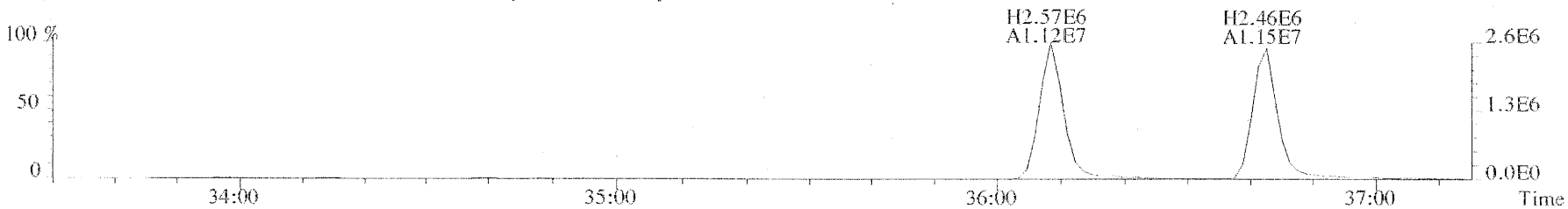
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



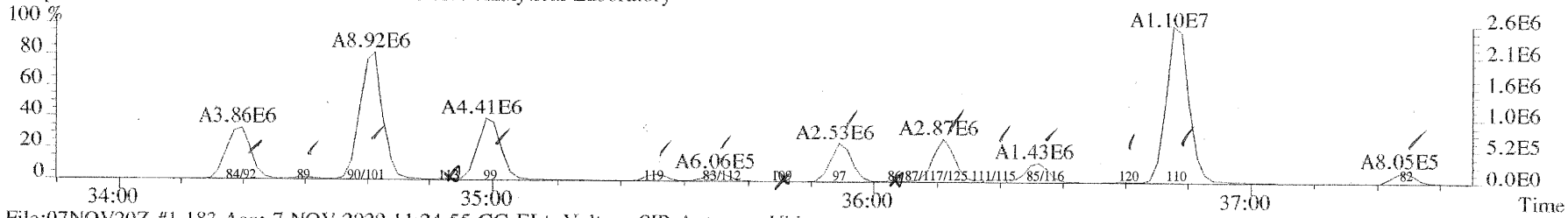
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



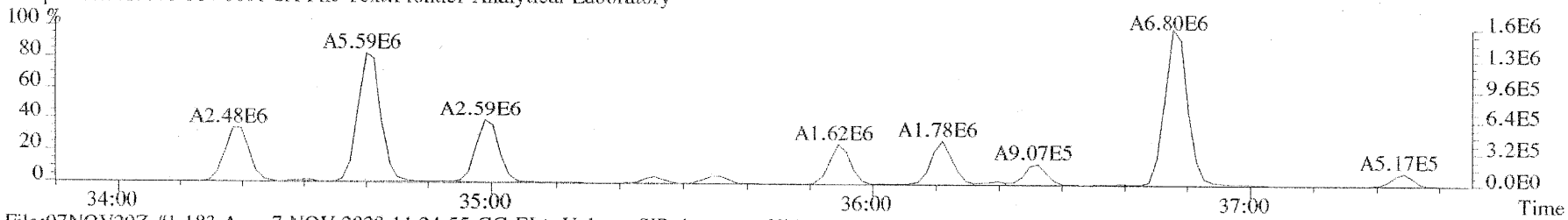
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



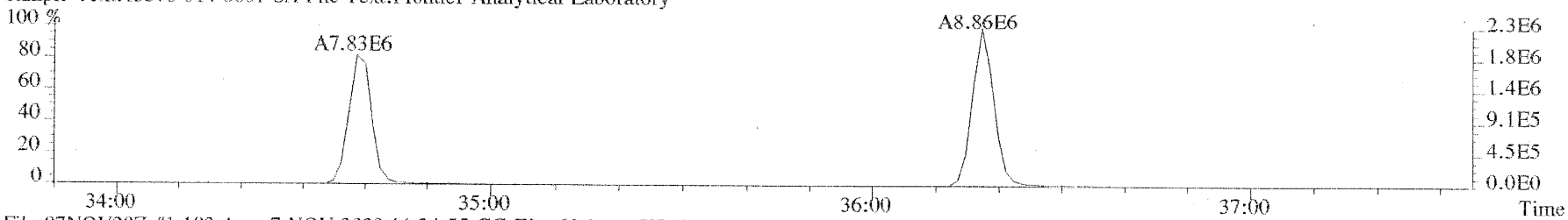
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



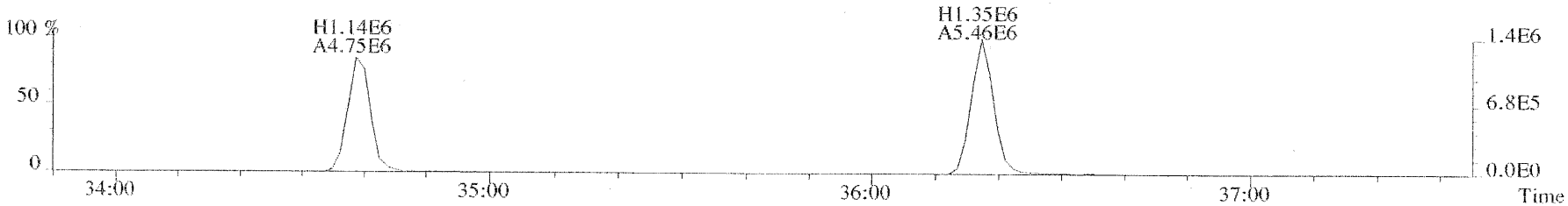
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



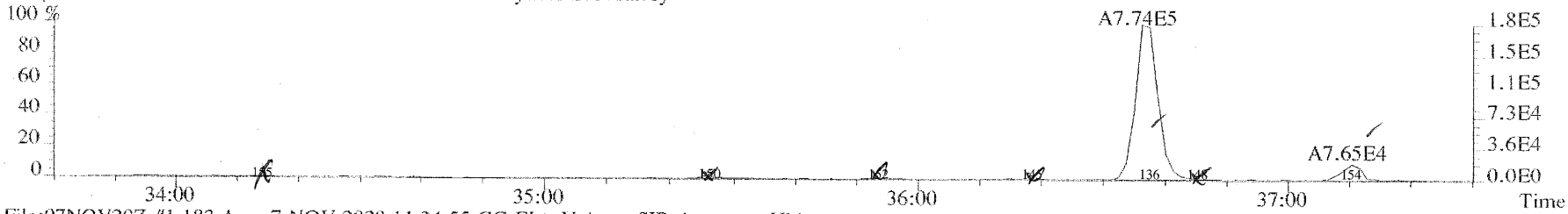
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



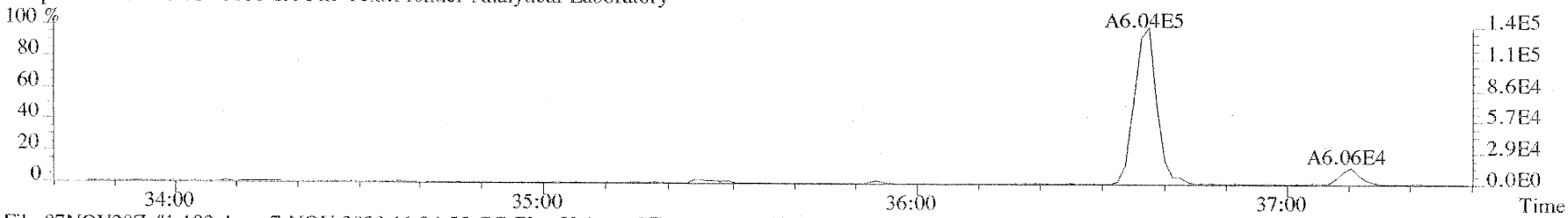
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



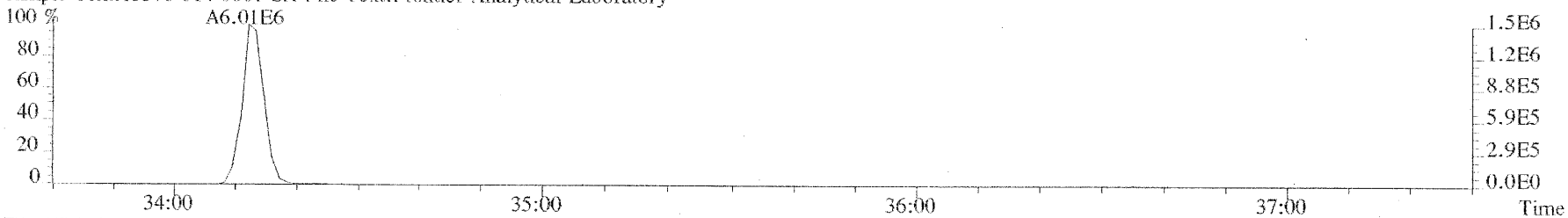
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



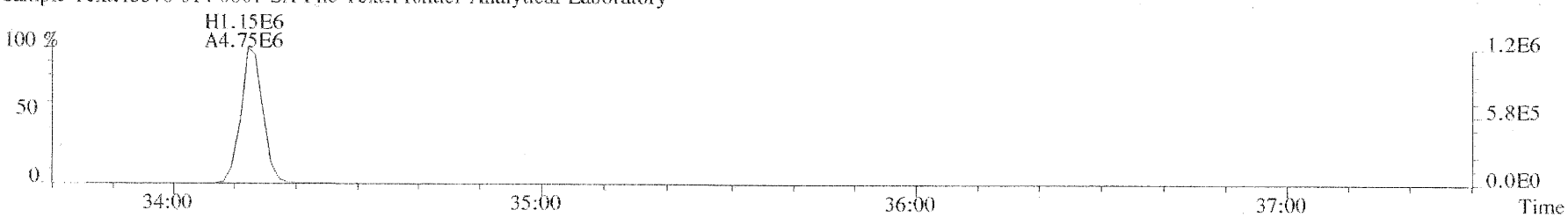
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



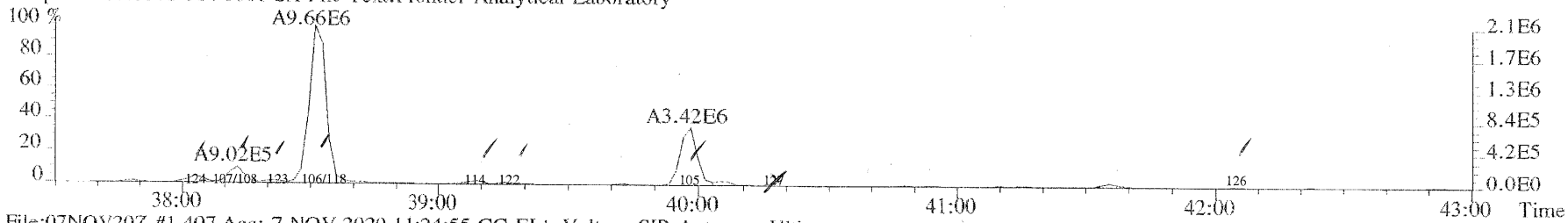
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



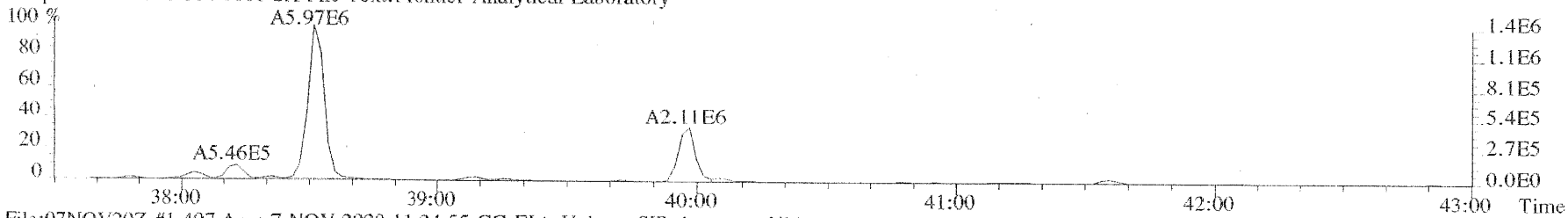
File:07NOV20Z #1-183 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



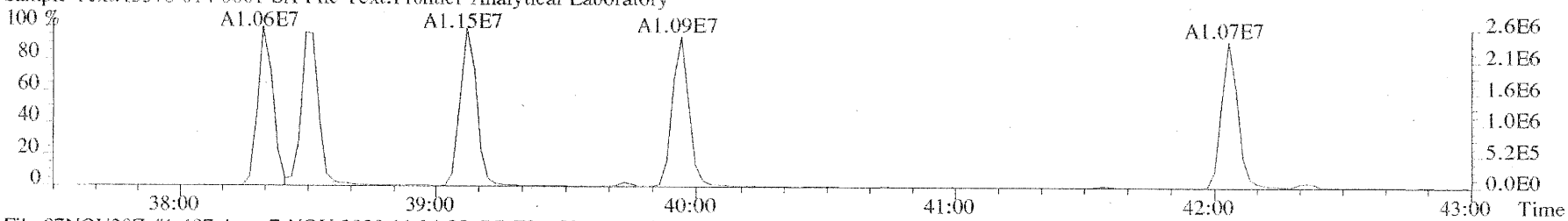
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



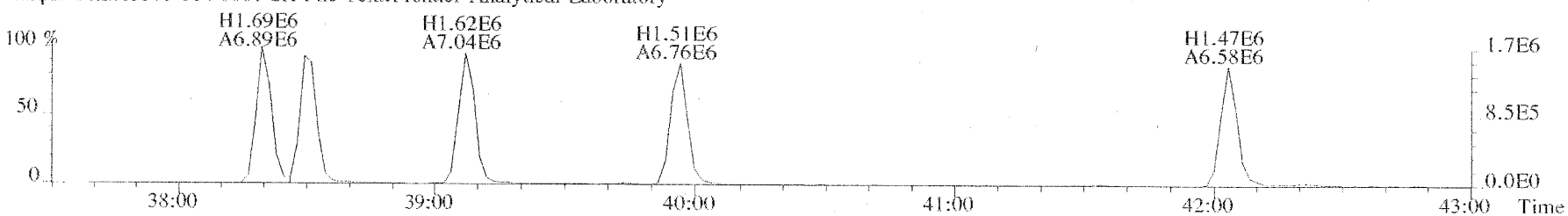
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



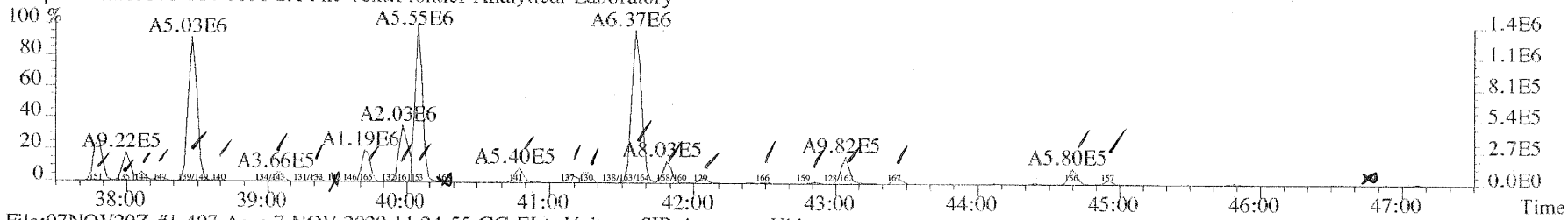
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



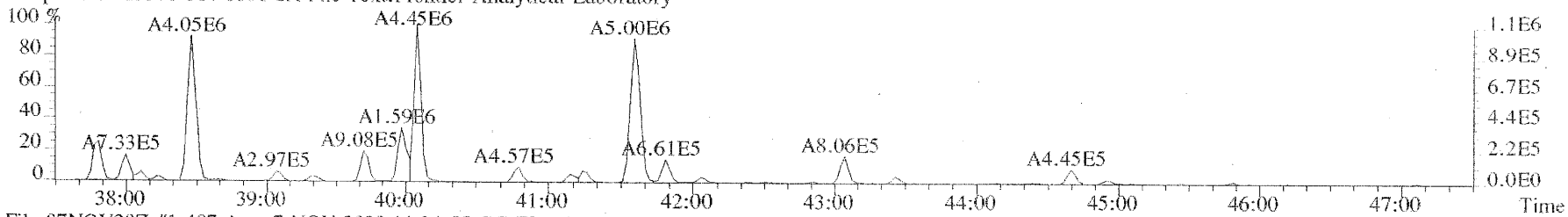
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



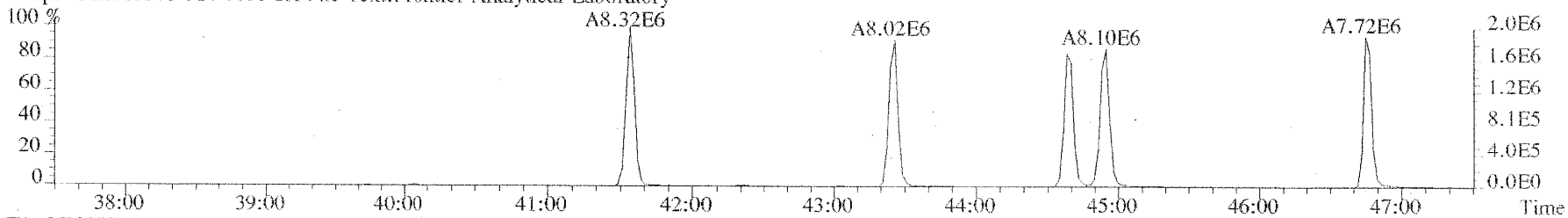
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



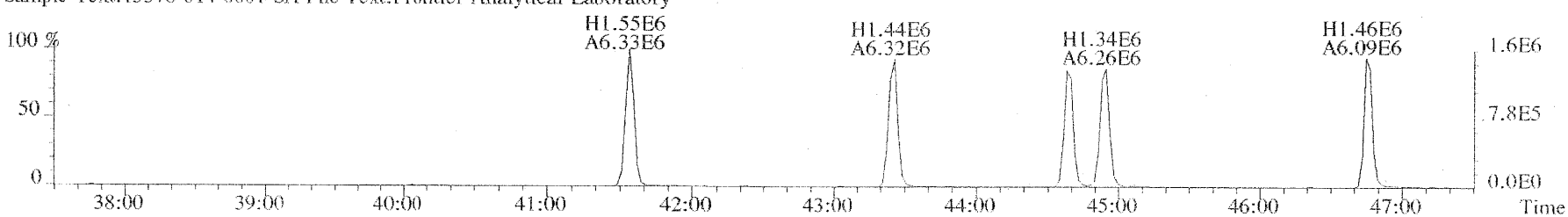
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



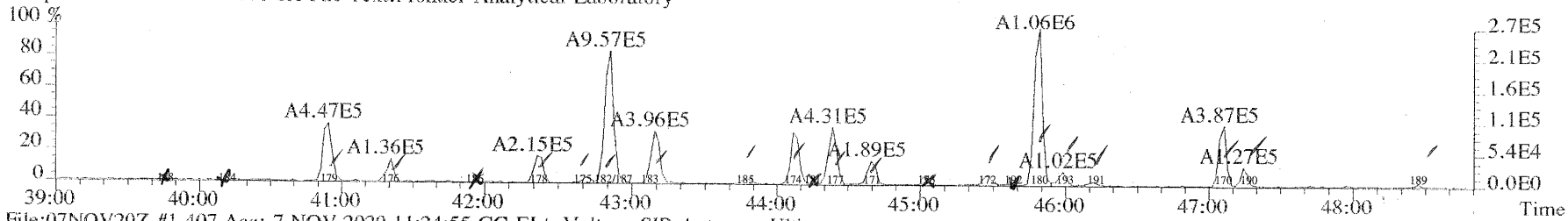
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



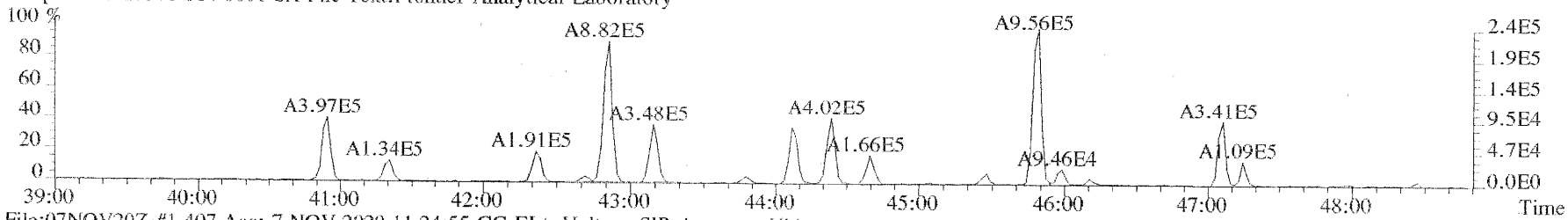
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



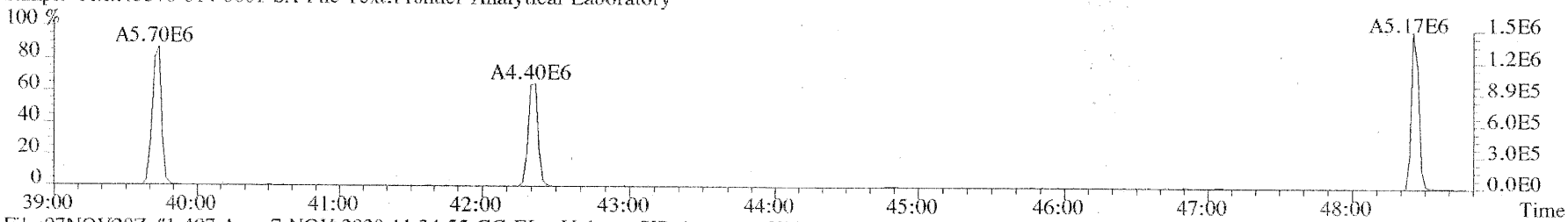
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



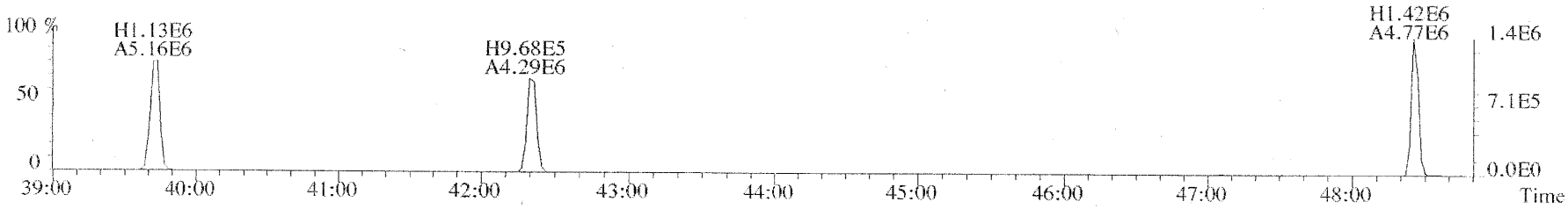
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



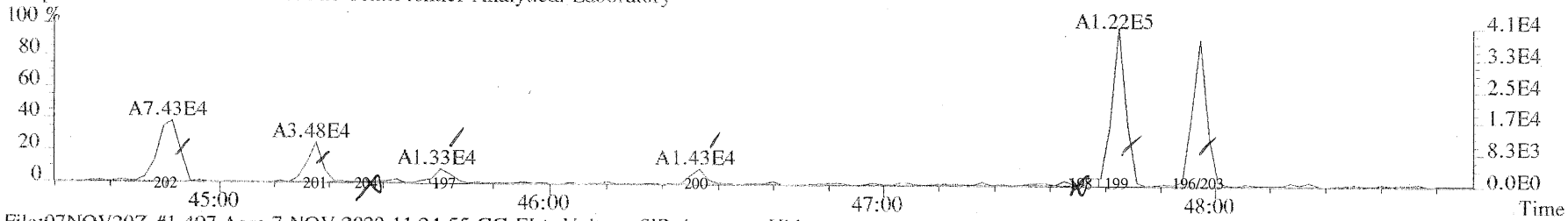
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



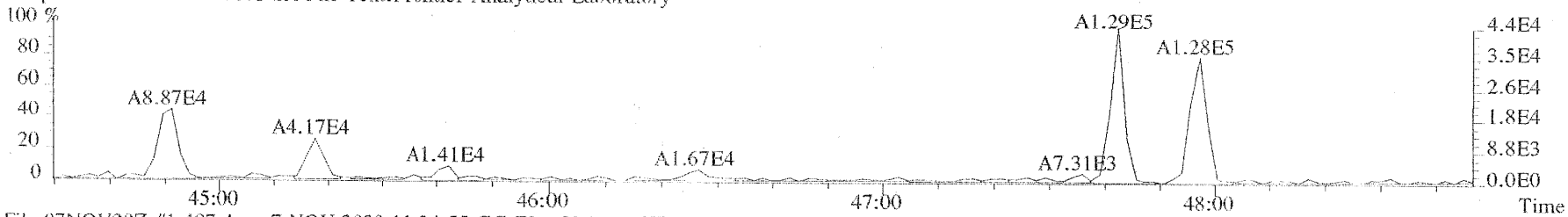
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



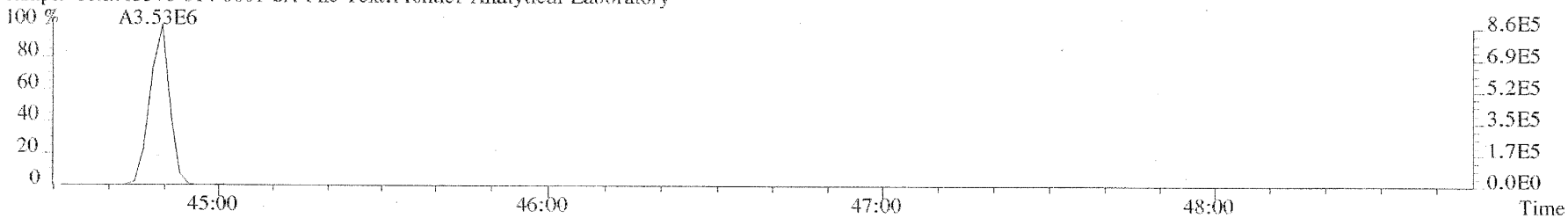
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



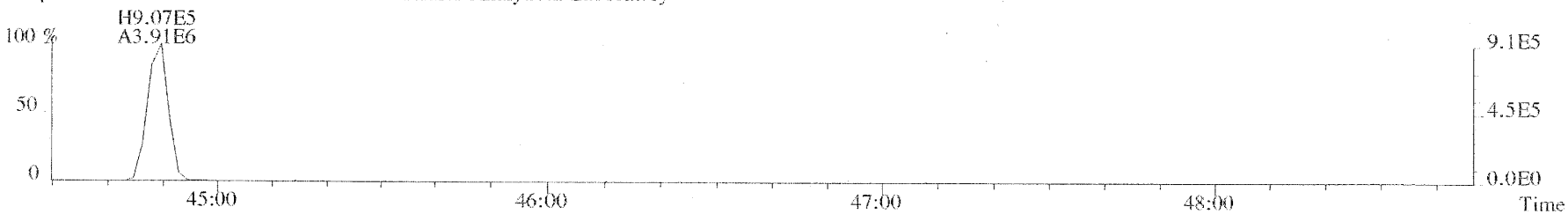
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



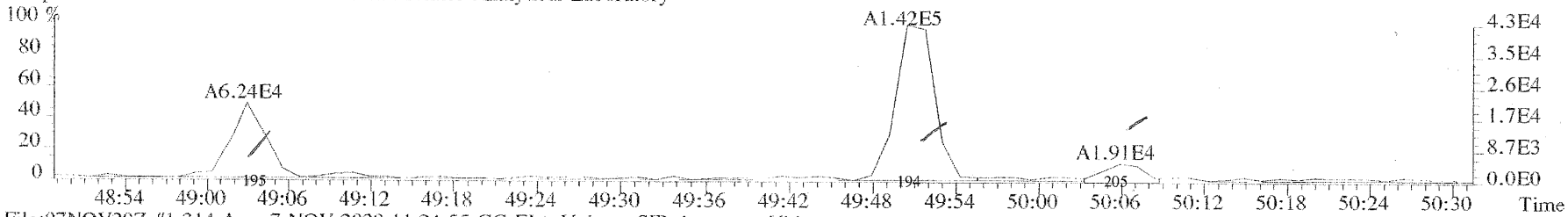
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



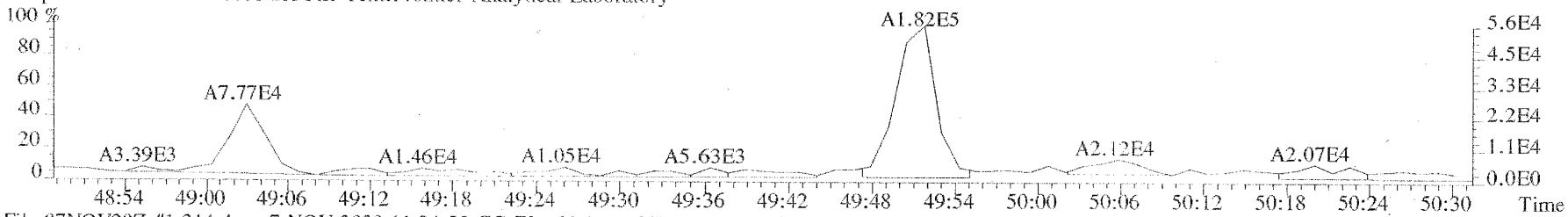
File:07NOV20Z #1-407 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



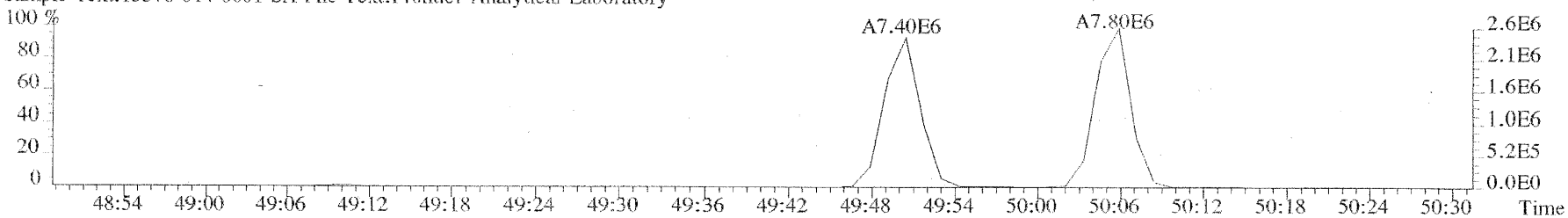
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



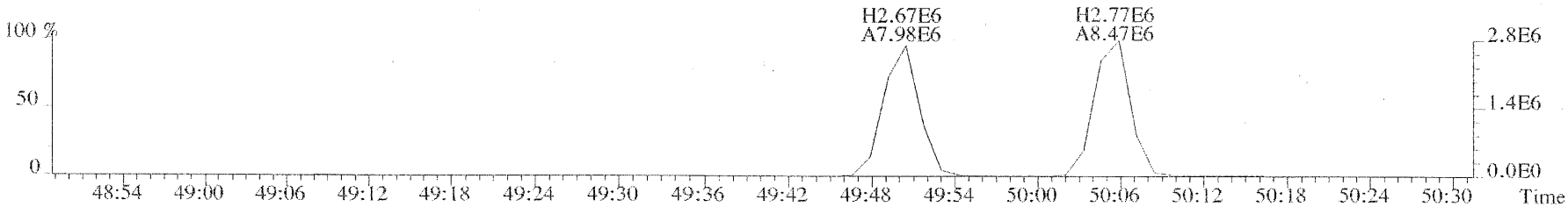
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



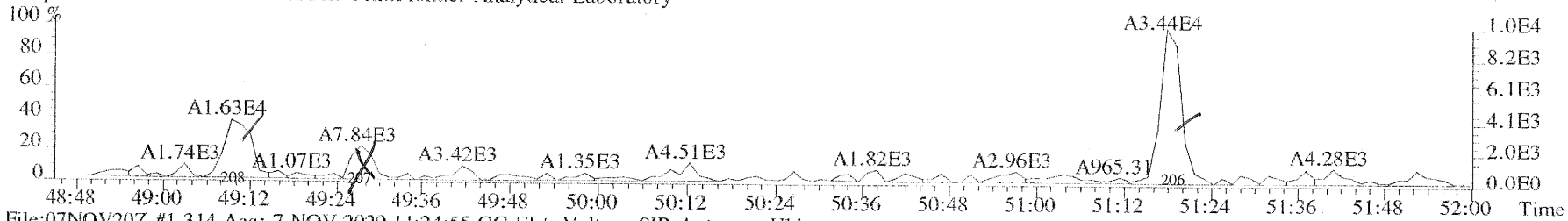
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



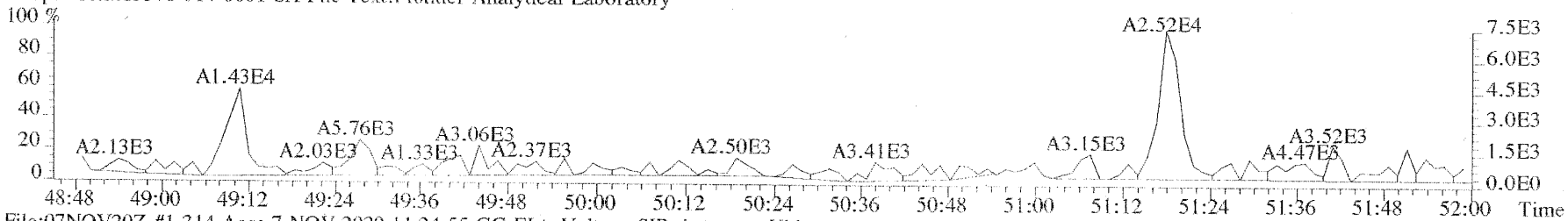
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



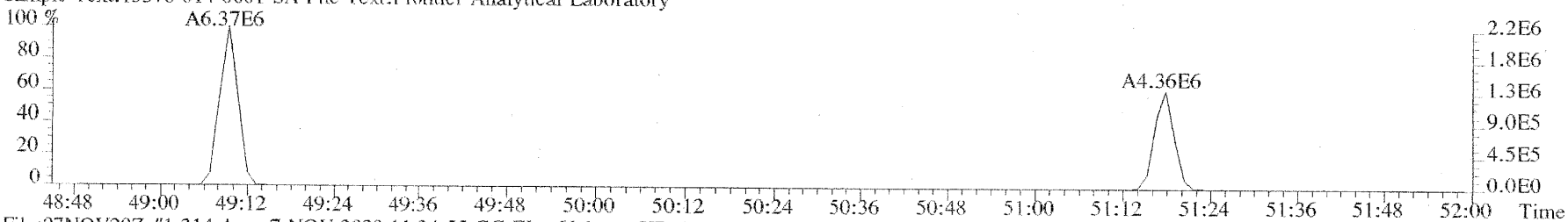
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



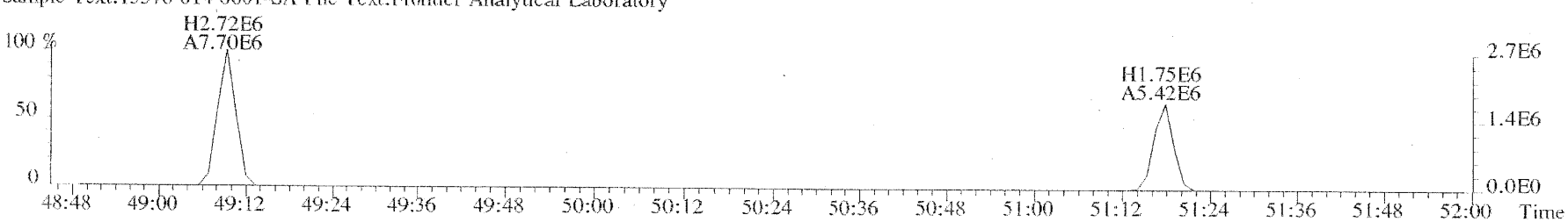
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



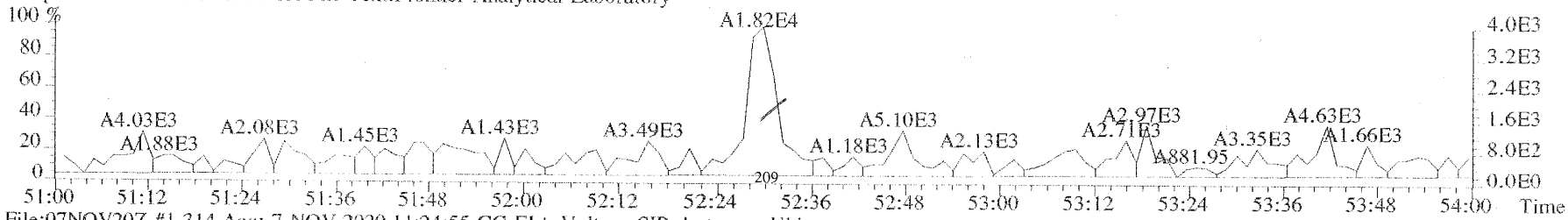
File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 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:13378-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 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:13378-014-0001-SA File Text:Frontier Analytical Laboratory



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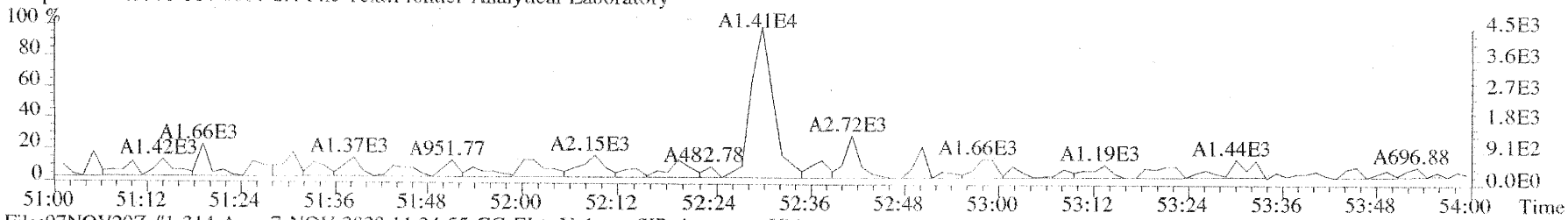
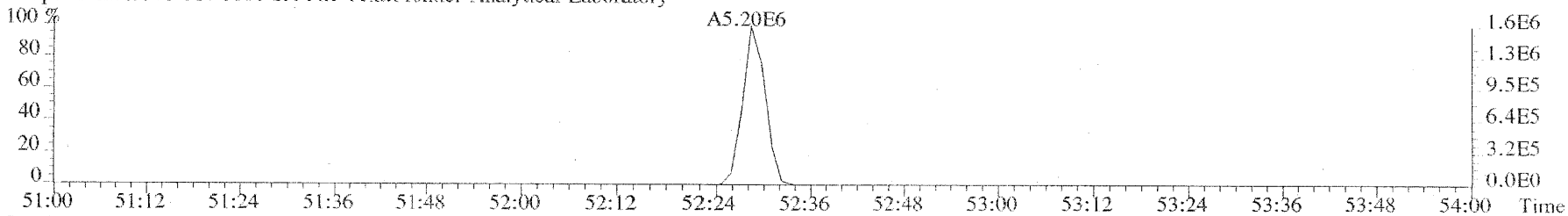
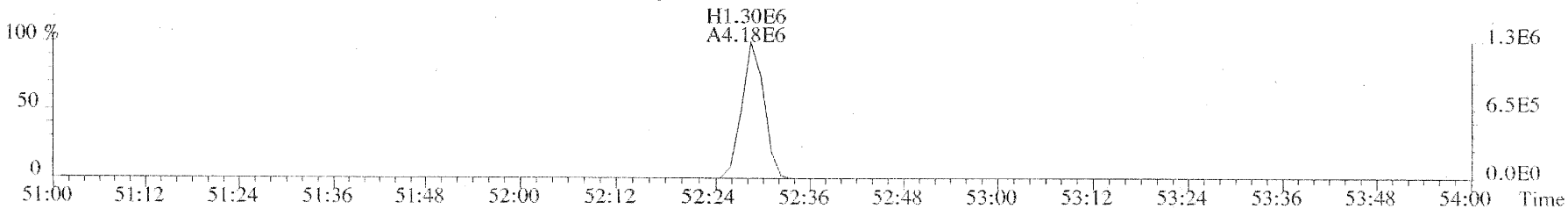
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 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:13378-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 11:24:55 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:13378-014-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13378-021-0001-SA Filename: 07NOV20Z Sam:6 Acquired: 7-NOV-20 12:23:16 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-C-CLAM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.13

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.37	*		1240	930	0.738			
13C-PCB-1	1.66e+07	3.19 y	14:30	0.71	566					57.3	4.03e+06	1.27e+06
PCB-2	*	* n	NotFnd	1.39	*		1240	930	0.702			
PCB-3	*	* n	NotFnd	1.40	*		1240	930	0.676			
13C-PCB-3	2.06e+07	3.26 y	16:58	0.69	725					73.4	4.33e+06	1.34e+06
PCB-4	6.23e+04	1.40 y	18:12	1.08	3.02		-	-	*			
PCB-10	*	* n	NotFnd	1.63	*		540	3210	0.857			
13C-PCB-4	1.89e+07	1.56 y	18:11	0.65	700					70.9	3.25e+06	2.03e+06
PCB-9	*	* n	NotFnd	1.51	*		540	3210	0.925			
PCB-7	*	* n	NotFnd	1.53	*		540	3210	0.912			
PCB-6	1.80e+05	1.42 y	20:32	1.52	4.30		-	-	*			
PCB-8	3.28e+05	1.50 y	20:54	1.51	7.89		-	-	*			
PCB-5	*	* n	NotFnd	1.56	*		540	3210	0.899			
PCB-14	*	* n	NotFnd	1.47	*		540	3210	0.952			
PCB-11	5.67e+05	1.57 y	23:06	1.42	14.5		-	-	*			
PCB-13	*	* n	NotFnd	1.43	*		540	3210	0.980			
PCB-12	*	* n	NotFnd	1.44	*		540	3210	0.974			
PCB-15	3.02e+05	1.45 y	23:45	1.31	6.37		-	-	*			
13C-PCB-15	3.56e+07	1.60 y	23:44	0.98	886					89.8	4.66e+06	2.97e+06
PCB-19	6.25e+04	1.11 y	22:06	1.34	3.16		-	-	*			
PCB-30	*	* n	NotFnd	1.94	*		1840	560	0.777			
PCB-18	7.85e+05	1.06 y	23:39	1.33	40.0		-	-	*			
PCB-17	4.34e+05	1.10 y	23:49	1.44	20.5		-	-	*			
PCB-27	1.04e+05	1.17 y	24:20	1.86	3.79		-	-	*			
PCB-24	8.73e+04	1.16 y	24:21	1.83	3.24		-	-	*			
PCB-16	2.41e+05	1.05 y	24:49	1.60	10.2		-	-	*			
PCB-32	4.27e+05	1.18 y	24:51	1.71	16.9		-	-	*			
13C-PCB-19	1.45e+07	1.13 y	22:05	0.38	919					93.1	2.07e+06	1.84e+06
13C-PCB-9	4.07e+07	1.62 y	19:52	-	8.43							
PCB-34	*	* n	NotFnd	1.26	*		920	760	0.554			
PCB-23	*	* n	NotFnd	1.52	*		920	760	0.461			
PCB-29	*	* n	NotFnd	1.40	*		920	760	0.498			
PCB-26	6.43e+05	1.14 y	26:07	1.33	16.2		-	-	*			
PCB-25	3.74e+05	1.13 y	26:17	1.31	9.58		-	-	*			
PCB-31	2.37e+06	1.08 y	26:37	1.40	56.6		-	-	*			
PCB-28	2.98e+06	1.12 y	26:42	1.55	64.2		-	-	*			
PCB-20	1.52e+06	1.06 y	27:19	1.29	39.5		-	-	*		Co-elute PCB 21/33	
PCB-21	1.52e+06	1.06 y	27:19	1.29	39.5		-	-	*		Co-elute PCB 20/33	
PCB-33	1.52e+06	1.06 y	27:19	1.29	39.5		-	-	*		Co-elute PCB 20/21	
PCB-22	9.70e+05	1.04 y	27:43	1.48	22.0		-	-	*			
PCB-36	*	* n	NotFnd	1.32	*		920	760	0.528			
PCB-39	*	* n	NotFnd	1.32	*		920	760	0.529			
PCB-38	6.57e+04	1.17 y	29:28	1.33	1.65	J	-	-	*			
PCB-35	5.55e+04	1.18 y	30:00	1.24	1.50	J	-	-	*			
PCB-37	6.13e+05	1.08 y	30:24	1.28	16.1		-	-	*			
13C-PCB-37	2.95e+07	1.06 y	30:22	1.76	810					82.1	3.06e+06	2.87e+06

PCB-54	*	*	n	NotFnd	1.37	*		756	840	0.577			
PCB-50	*	*	n	NotFnd	1.07	*		756	840	0.738			
PCB-53	3.69e+05	0.78	y	27:22	1.02	17.9		-	-	*			
PCB-51	1.94e+05	0.69	y	27:41	1.10	8.78		-	-	*			
PCB-45	2.89e+05	0.77	y	28:05	0.90	15.9		-	-	*			
PCB-46	1.45e+05	0.76	y	28:32	0.86	8.39		-	-	*			
PCB-52	3.79e+06	0.80	y	28:59	1.07	176		-	-	*	Co-elute PCB 69		
PCB-69	3.79e+06	0.80	y	28:59	1.07	176		-	-	*	Co-elute PCB 52		
PCB-73	8.09e+04	0.66	y	29:05	1.38	2.92		-	-	*			
PCB-43	2.31e+06	0.81	y	29:17	0.98	117		-	-	*	Co-elute PCB 49		
PCB-49	2.31e+06	0.81	y	29:17	0.98	117		-	-	*	Co-elute PCB 43		
PCB-47	1.18e+06	0.78	y	29:28	1.04	56.2		-	-	*			
PCB-48	7.75e+05	0.87	y	29:34	1.22	31.5		-	-	*	Co-elute PCB 75		
PCB-75	7.75e+05	0.87	y	29:34	1.22	31.5		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.23	*		756	840	0.641			
PCB-62	*	*	n	NotFnd	1.36	*		756	840	0.581			
PCB-44	1.93e+06	0.81	y	30:12	0.85	113		-	-	*			
PCB-42	1.24e+06	0.77	y	30:26	1.10	55.6		-	-	*	Co-elute PCB 59		
PCB-59	1.24e+06	0.77	y	30:26	1.10	55.6		-	-	*	Co-elute PCB 42		
PCB-72	2.84e+06	0.76	y	30:59	1.23	115		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.84e+06	0.76	y	30:59	1.23	115		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.84e+06	0.76	y	30:59	1.23	115		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.84e+06	0.76	y	30:59	1.23	115		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.75e+04	0.67	y	31:14	1.40	2.39		-	-	*			
PCB-40	3.57e+05	0.67	y	31:26	0.78	22.7		-	-	*			
PCB-57	4.11e+04	0.74	y	31:46	1.33	1.53	J	-	-	*			
PCB-67	1.38e+05	0.83	y	32:05	1.23	5.61		-	-	*			
PCB-58	3.70e+04	0.72	y	32:10	1.44	1.27	J	-	-	*			
PCB-63	1.45e+05	0.72	y	32:20	1.35	5.34		-	-	*			
PCB-74	1.69e+06	0.81	y	32:36	1.28	65.4		-	-	*			
PCB-61	3.37e+06	0.78	y	32:48	1.23	136		-	-	*	Co-elute PCB 70		
PCB-70	3.37e+06	0.78	y	32:48	1.23	136		-	-	*	Co-elute PCB 61		
PCB-76	3.61e+06	0.82	y	32:59	1.38	130		-	-	*	Co-elute PCB 66		
PCB-66	3.61e+06	0.82	y	32:59	1.38	130		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.58	*		756	840	0.499			
PCB-55	1.11e+05	0.77	y	33:29	1.36	4.05		-	-	*			
13C-PCB-54	1.99e+07	0.80	y	25:37	1.21	795					80.5	2.24e+06	2.75e+06
PCB-104	*	*	n	NotFnd	1.22	*		344	372	0.425			
PCB-96	2.99e+04	1.35	y	31:17	1.18	1.76	J	-	-	*			
PCB-103	5.01e+04	1.58	y	31:46	0.97	3.61		-	-	*			
PCB-100	3.73e+04	1.41	y	32:07	0.99	2.62		-	-	*			
PCB-94	2.29e+04	1.56	y	32:33	0.82	1.95	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		344	372	0.605	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		344	372	0.605	Co-elute PCB 98		
PCB-95	2.14e+06	1.47	y	33:04	0.87	172		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		344	372	0.606			
PCB-88	4.23e+05	1.47	y	33:27	0.90	32.8		-	-	*	Co-elute PCB 91		
PCB-91	4.23e+05	1.47	y	33:27	0.90	32.8		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.19	*		344	372	0.438			
13C-PCB-104	1.42e+07	1.59	y	30:03	0.78	879					89.0	2.11e+06	1.31e+06
13C-PCB-28	3.73e+07	1.02	y	26:41	2.19	822					83.3	4.68e+06	4.44e+06
13C-PCB-52	2.04e+07	0.82	y	28:58	-	9.31							

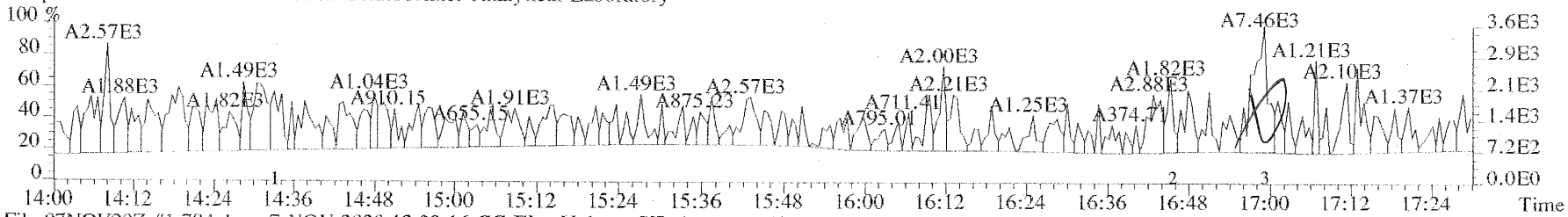
PCB-56	2.85e+06	0.79	y	33:58	1.25	74.9		-	-	*		Co-elute PCB 60
PCB-60	2.85e+06	0.79	y	33:58	1.25	74.9		-	-	*		Co-elute PCB 56
PCB-79	1.02e+05	0.85	y	35:00	1.31	2.55		-	-	*		
PCB-78	*	*	n	NotFnd	1.27	*		750	840	0.495		
PCB-81	1.36e+05	0.69	y	36:11	1.33	3.39		-	-	*		
13C-PCB-81	2.97e+07	0.80	y	36:08	1.84	843					85.4	2.78e+06 3.43e+06
PCB-77	3.44e+05	0.76	y	36:43	1.17	9.54		-	-	*		
13C-PCB-77	3.04e+07	0.81	y	36:41	1.89	836					84.7	2.84e+06 3.47e+06
PCB-155	*	*	n	NotFnd	1.16	*		900	840	0.913		
PCB-150	*	*	n	NotFnd	1.10	*		900	840	0.963		
PCB-152	*	*	n	NotFnd	1.09	*		900	840	0.973		
PCB-145	*	*	n	NotFnd	1.12	*		900	840	0.950		
PCB-136	4.85e+05	1.28	y	36:36	1.06	28.1		-	-	*		
PCB-148	*	*	n	NotFnd	0.86	*		900	840	1.23		
PCB-154	7.59e+04	1.36	y	37:09	0.94	4.96		-	-	*		
13C-PCB-155	1.61e+07	1.31	y	34:12	1.02	820					83.1	2.28e+06 1.77e+06
13C-PCB-111	2.14e+07	1.62	y	36:17	1.31	847					85.8	3.11e+06 1.90e+06
13C-PCB-101	1.90e+07	1.64	y	34:39	-	10.1						
PCB-84	1.72e+06	1.59	y	34:18	0.69	89.1		-	-	*		Co-elute PCB 92
PCB-92	1.72e+06	1.59	y	34:18	0.69	89.1		-	-	*		Co-elute PCB 84
PCB-89	5.75e+04	1.47	y	34:30	0.68	3.03		-	-	*		
PCB-90	4.28e+06	1.58	y	34:40	0.76	201		-	-	*		Co-elute PCB 101
PCB-101	4.28e+06	1.58	y	34:40	0.76	201		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.81	*		912	810	0.816		
PCB-99	2.06e+06	1.65	y	34:59	0.89	83.7		-	-	*		
PCB-119	1.93e+05	1.46	y	35:25	0.97	7.15		-	-	*		
PCB-83	2.82e+05	1.64	y	35:34	0.76	13.4		-	-	*		Co-elute PCB 112
PCB-112	2.82e+05	1.64	y	35:34	0.76	13.4		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.95	*		912	810	0.701		
PCB-97	1.10e+06	1.72	y	35:55	0.66	59.6		-	-	*		
PCB-86	*	*	n	NotFnd	0.67	*		912	810	0.994		
PCB-125	1.39e+06	1.59	y	36:10	0.86	58.1		-	-	*		Co-elute PCB 87/117
PCB-87	1.39e+06	1.59	y	36:10	0.86	58.1		-	-	*		Co-elute PCB 125/117
PCB-117	1.39e+06	1.59	y	36:10	0.86	58.1		-	-	*		Co-elute PCB 125/87
PCB-111	1.26e+05	1.46	y	36:19	0.99	4.60		-	-	*		Co-elute PCB 115
PCB-115	1.26e+05	1.46	y	36:19	0.99	4.60		-	-	*		Co-elute PCB 111
PCB-85	7.40e+05	1.52	y	36:25	0.83	32.2		-	-	*		Co-elute PCB 116
PCB-116	7.40e+05	1.52	y	36:25	0.83	32.2		-	-	*		Co-elute PCB 85
PCB-120	4.07e+04	1.60	y	36:39	1.00	1.46	J	-	-	*		
PCB-110	4.68e+06	1.54	y	36:48	0.99	170		-	-	*		
PCB-82	3.95e+05	1.41	y	37:24	0.58	24.4		-	-	*		
PCB-124	2.73e+05	1.49	y	38:03	1.27	7.74		-	-	*		
PCB-108	4.46e+05	1.52	y	38:11	1.26	12.7		-	-	*		Co-elute PCB 107
PCB-107	4.46e+05	1.52	y	38:11	1.26	12.7		-	-	*		Co-elute PCB 108
PCB-123	1.38e+05	1.37	y	38:21	1.21	4.14		-	-	*		
13C-PCB-123	2.71e+07	1.60	y	38:19	1.42	872					88.3	4.26e+06 2.64e+06
PCB-118	4.51e+06	1.55	y	38:31	1.21	130		-	-	*		Co-elute PCB 106
PCB-106	4.51e+06	1.55	y	38:31	1.21	130		-	-	*		Co-elute PCB 118
13C-PCB-118	2.85e+07	1.61	y	38:29	1.54	849					86.0	3.89e+06 2.46e+06
PCB-114	1.51e+05	1.51	y	39:09	1.30	4.10		-	-	*		
13C-PCB-114	2.80e+07	1.60	y	39:07	1.46	880					89.2	4.21e+06 2.60e+06
PCB-122	1.06e+05	1.40	y	39:15	1.29	2.95		-	-	*		
PCB-105	1.84e+06	1.63	y	39:57	1.31	52.9		-	-	*		
13C-PCB-105	2.62e+07	1.61	y	39:57	1.45	826					83.7	3.54e+06 2.17e+06

PCB-127	*	*	n	NotFnd	1.21	*	1270	911	0.696			
PCB-126	*	*	n	NotFnd	1.28	*	1270	911	0.760			
13C-PCB-126	2.56e+07	1.60	y	42:03	1.31	892				90.4	3.43e+06	2.12e+06
PCB-151	1.14e+06	1.26	y	37:47	1.00	52.8	-	-	*			
PCB-135	6.96e+05	1.32	y	38:00	1.01	31.9	-	-	*			
PCB-144	2.31e+05	1.31	y	38:05	1.03	10.4	-	-	*			
PCB-147	1.46e+05	1.27	y	38:13	1.11	6.05	-	-	*			
PCB-139	3.53e+06	1.26	y	38:28	1.09	150	-	-	*	Co-elute PCB 149		
PCB-149	3.53e+06	1.26	y	38:28	1.09	150	-	-	*	Co-elute PCB 139		
PCB-140	4.83e+04	1.18	y	38:39	1.11	2.02	-	-	*			
PCB-143	2.68e+05	1.26	y	39:04	0.90	13.7	-	-	*	Co-elute PCB 134		
PCB-134	2.68e+05	1.26	y	39:04	0.90	13.7	-	-	*	Co-elute PCB 143		
PCB-131	2.01e+05	1.25	y	39:19	0.92	10.1	-	-	*	Co-elute PCB 133		
PCB-133	2.01e+05	1.25	y	39:19	0.92	10.1	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.94	*	930	810	0.928			
PCB-165	9.89e+05	1.29	y	39:42	1.20	38.1	-	-	*	Co-elute PCB 146		
PCB-146	9.89e+05	1.29	y	39:42	1.20	38.1	-	-	*	Co-elute PCB 165		
PCB-161	1.06e+06	1.23	y	39:58	1.14	43.2	-	-	*	Co-elute PCB 132		
PCB-132	1.06e+06	1.23	y	39:58	1.14	43.2	-	-	*	Co-elute PCB 161		
PCB-153	4.58e+06	1.26	y	40:05	1.19	178	-	-	*			
PCB-168	*	*	n	NotFnd	1.33	*	930	810	0.655			
PCB-141	3.56e+05	1.32	y	40:46	1.03	16.1	-	-	*			
PCB-137	1.82e+05	1.15	y	41:09	1.03	8.20	-	-	*			
PCB-130	3.50e+05	1.35	y	41:14	0.89	18.2	-	-	*			
PCB-138	4.69e+06	1.26	y	41:35	1.19	182	-	-	*	Co-elute PCB 163/164		
PCB-163	4.69e+06	1.26	y	41:35	1.19	182	-	-	*	Co-elute PCB 138/164		
PCB-164	4.69e+06	1.26	y	41:35	1.19	182	-	-	*	Co-elute PCB 138/163		
PCB-158	5.56e+05	1.25	y	41:49	1.33	19.4	-	-	*	Co-elute PCB 160		
PCB-160	5.56e+05	1.25	y	41:49	1.33	19.4	-	-	*	Co-elute PCB 158		
PCB-129	1.31e+05	1.21	y	42:03	0.87	7.03	-	-	*			
PCB-166	*	*	n	NotFnd	1.29	*	930	810	0.675			
PCB-159	7.62e+04	1.34	y	42:49	1.39	2.55	-	-	*			
PCB-128	7.27e+05	1.36	y	43:04	1.12	30.2	-	-	*	Co-elute PCB 162		
PCB-162	7.27e+05	1.36	y	43:04	1.12	30.2	-	-	*	Co-elute PCB 128		
PCB-167	2.13e+05	1.35	y	43:26	1.24	7.85	-	-	*			
13C-PCB-167	2.17e+07	1.30	y	43:24	1.14	869				88.0	2.70e+06	2.10e+06
PCB-156	4.15e+05	1.23	y	44:40	1.30	15.1	-	-	*			
13C-PCB-156	2.08e+07	1.31	y	44:38	1.10	864				87.5	2.78e+06	2.15e+06
PCB-157	1.14e+05	1.27	y	44:55	1.27	4.06	-	-	*			
13C-PCB-157	2.19e+07	1.29	y	44:53	1.16	867				87.8	2.55e+06	2.02e+06
PCB-169	*	*	n	NotFnd	1.21	*	930	810	0.648			
13C-PCB-169	2.08e+07	1.26	y	46:45	1.07	892				90.4	3.03e+06	2.46e+06

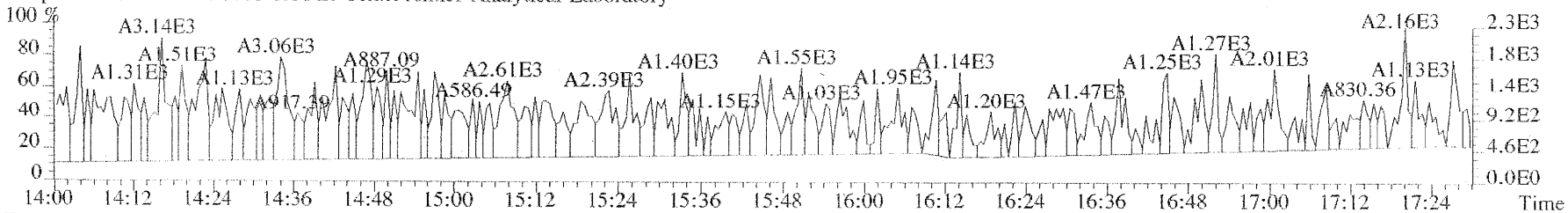
PCB-188	*	*	n	NotFnd	1.19	*		756	688	0.734			
13C-PCB-188	1.65e+07	1.08	y	39:42	0.92	816					82.7	2.12e+06	1.96e+06
PCB-184	*	*	n	NotFnd	1.33	*		756	688	0.623			
PCB-179	4.63e+05	1.09	y	40:54	1.26	23.2		-	-	*			
PCB-176	1.63e+05	1.19	y	41:19	1.20	8.62		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		756	688	0.679			
PCB-178	3.15e+05	1.17	y	42:21	0.88	22.6		-	-	*			
PCB-175	4.77e+04	0.99	y	42:41	0.93	3.24		-	-	*			
PCB-187	1.17e+06	1.04	y	42:51	1.00	74.1		-	-	*		Co-elute PCB 182	
PCB-182	1.17e+06	1.04	y	42:51	1.00	74.1		-	-	*		Co-elute PCB 187	
PCB-183	4.40e+05	1.17	y	43:09	0.99	28.0		-	-	*			
PCB-185	4.29e+04	1.19	y	43:47	0.90	3.00		-	-	*			
PCB-174	3.14e+05	1.09	y	44:07	0.84	23.5		-	-	*			
PCB-181	*	*	n	NotFnd	1.01	*		756	688	0.823			
PCB-177	5.06e+05	1.11	y	44:23	0.86	37.2		-	-	*			
PCB-171	1.86e+05	1.04	y	44:40	0.91	12.9		-	-	*			
PCB-173	*	*	n	NotFnd	0.85	*		756	688	0.976			
PCB-172	6.12e+04	1.01	y	45:27	0.85	4.52		-	-	*			
PCB-192	*	*	n	NotFnd	1.15	*		756	688	0.723			
PCB-180	1.01e+06	1.06	y	45:49	0.89	71.4		-	-	*			
PCB-193	1.27e+05	1.10	y	45:59	1.22	6.55		-	-	*			
PCB-191	4.58e+04	1.04	y	46:10	1.18	2.44		-	-	*			
PCB-170	3.69e+05	1.03	y	47:06	0.84	27.6		-	-	*			
PCB-190	1.32e+05	1.15	y	47:14	1.15	7.25		-	-	*			
PCB-189	2.79e+04	1.13	y	48:27	1.15	1.61	J	-	-	*			
13C-PCB-189	1.48e+07	1.07	y	48:25	0.80	850					86.1	2.35e+06	2.23e+06
PCB-202	1.60e+05	0.93	y	44:51	1.11	12.4		-	-	*			
PCB-201	7.75e+04	0.82	y	45:16	1.19	5.63		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		468	530	0.809			
PCB-197	*	*	n	NotFnd	1.22	*		468	530	0.802			
PCB-200	*	*	n	NotFnd	1.19	*		468	530	0.826			
PCB-198	*	*	n	NotFnd	0.86	*		468	530	1.14			
PCB-199	1.54e+05	0.77	y	47:42	0.88	15.1		-	-	*			
PCB-203	1.26e+05	0.90	y	47:57	0.95	11.4		-	-	*		Co-elute PCB 196	
PCB-196	1.26e+05	0.90	y	47:57	0.95	11.4		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.15e+07	0.92	y	44:48	0.64	815					82.5	1.21e+06	1.30e+06
13C-PCB-178	1.29e+07	1.07	y	42:20	0.67	877					88.9	1.59e+06	1.48e+06
13C-PCB-138	2.16e+07	1.31	y	41:34	-	10.1							
PCB-195	7.76e+04	0.81	y	49:03	0.93	3.46		-	-	*			
PCB-194	1.98e+05	0.79	y	49:51	0.95	8.62		-	-	*			
PCB-205	*	*	n	NotFnd	1.18	*		1070	1620	0.699			
13C-PCB-205	2.38e+07	0.90	y	50:05	1.24	832					84.3	3.79e+06	4.26e+06
PCB-208	*	*	n	NotFnd	1.11	*		604	856	0.441			
13C-PCB-208	2.10e+07	0.82	y	49:09	1.12	815					82.5	3.36e+06	4.04e+06
PCB-207	*	*	n	NotFnd	1.29	*		604	856	0.488			
PCB-206	3.78e+04	1.18	y	51:18	1.13	2.27		-	-	*			
13C-PCB-206	1.45e+07	0.82	y	51:18	0.84	749					75.8	1.96e+06	2.37e+06
PCB-209	2.36e+04	1.27	y	52:30	1.24	1.37	J	-	-	*			
13C-PCB-209	1.37e+07	1.19	y	52:28	0.81	729					73.8	2.40e+06	2.00e+06
13C-PCB-194	2.28e+07	0.92	y	49:51	-	10.2							

Analyst: _____ Date: 11/9/20

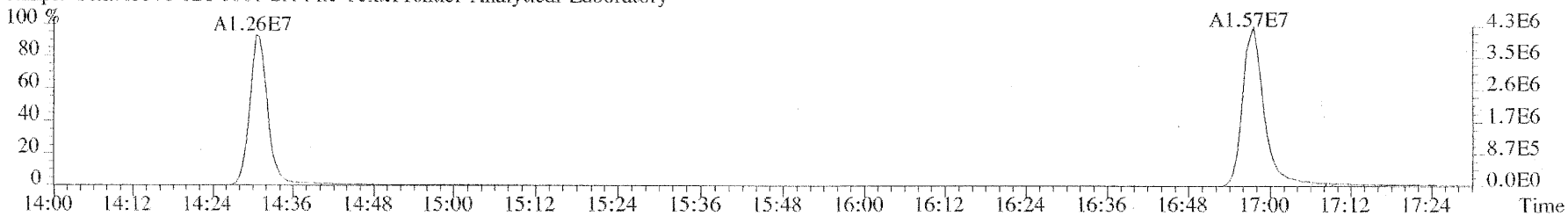
File:07NOV20Z #1-784 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



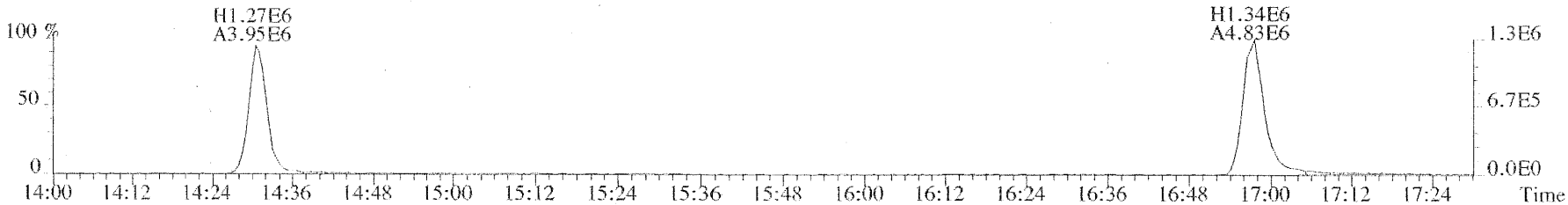
File:07NOV20Z #1-784 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



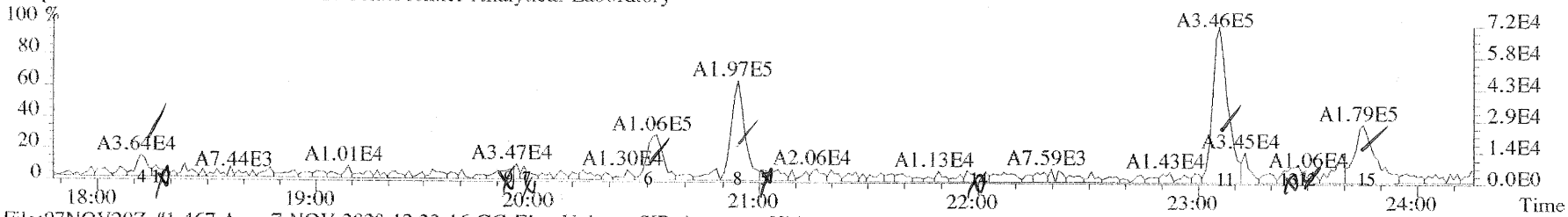
File:07NOV20Z #1-784 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



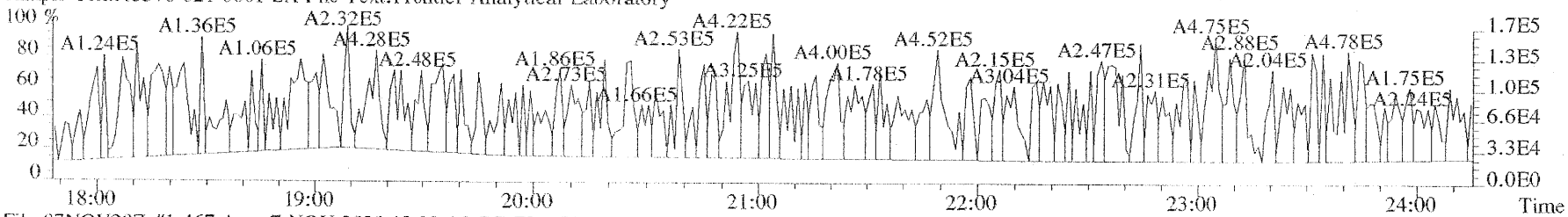
File:07NOV20Z #1-784 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



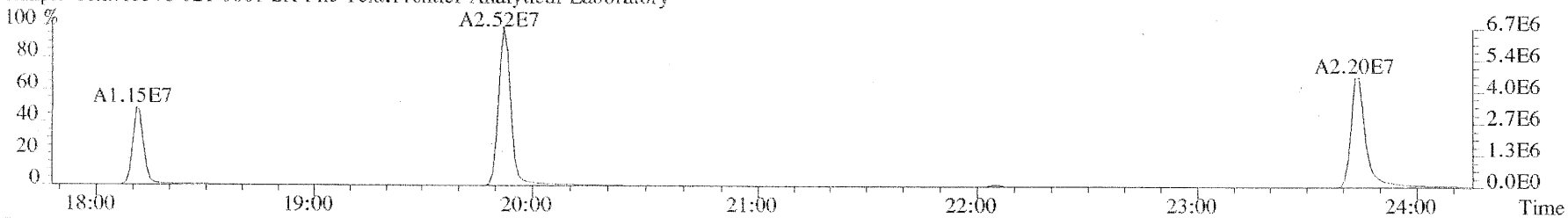
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



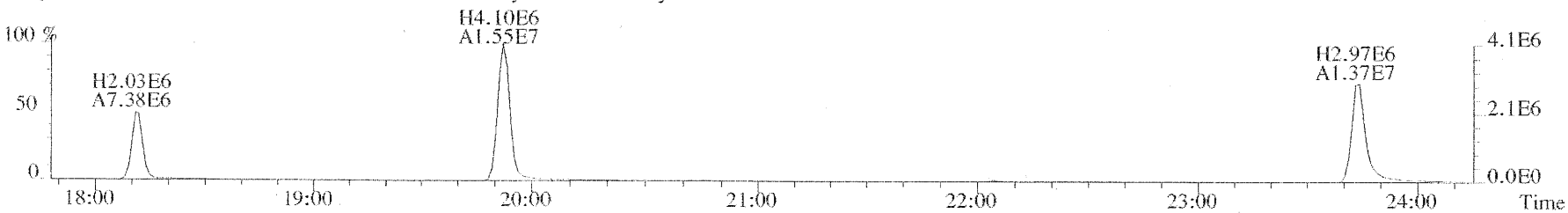
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



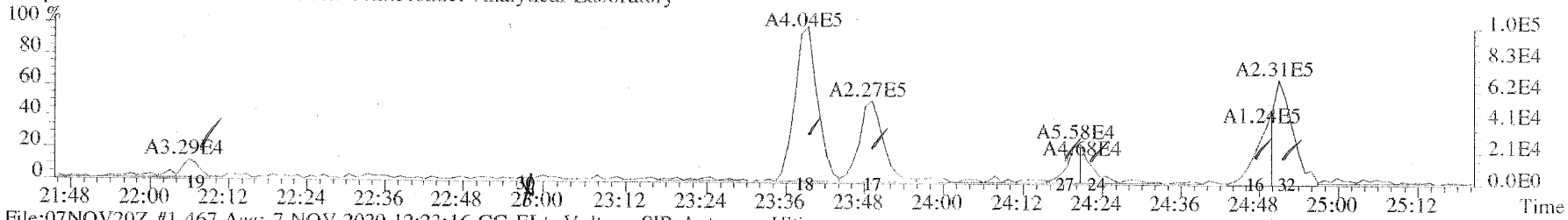
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



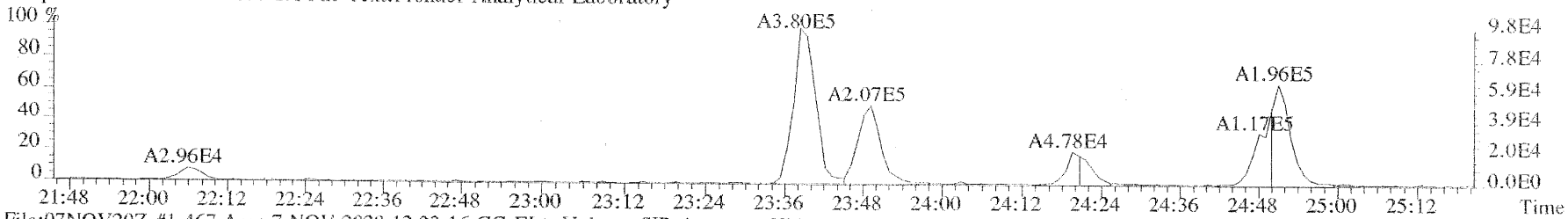
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



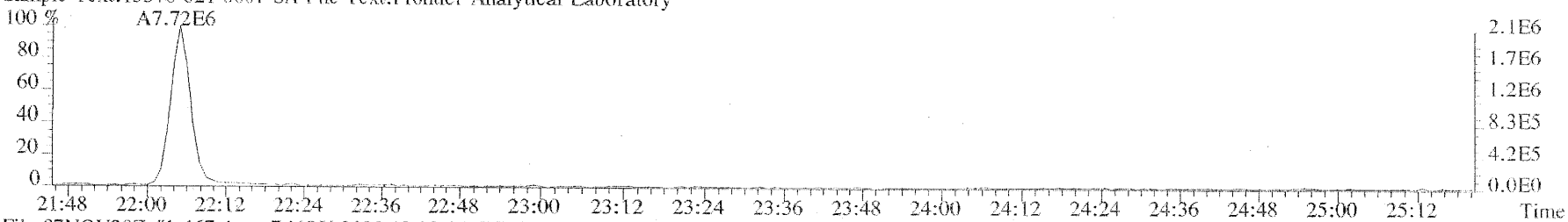
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



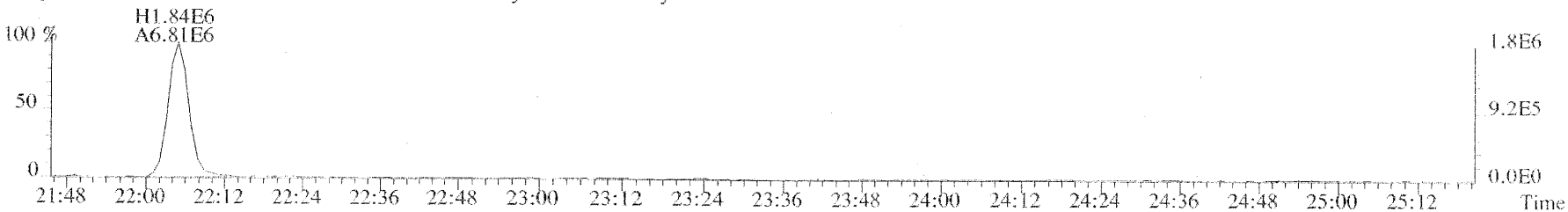
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



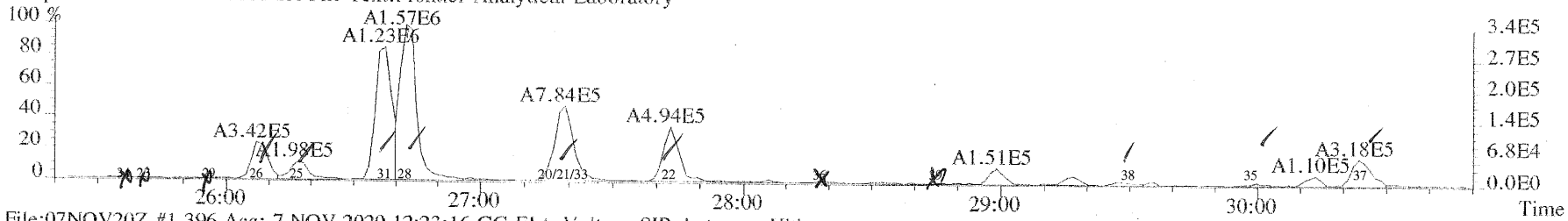
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



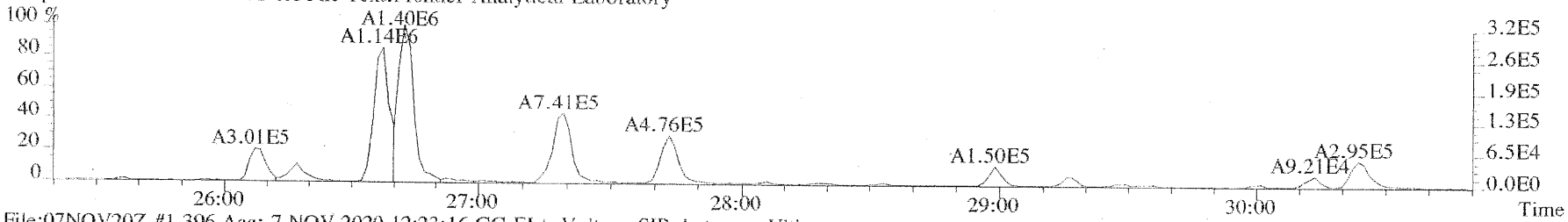
File:07NOV20Z #1-467 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



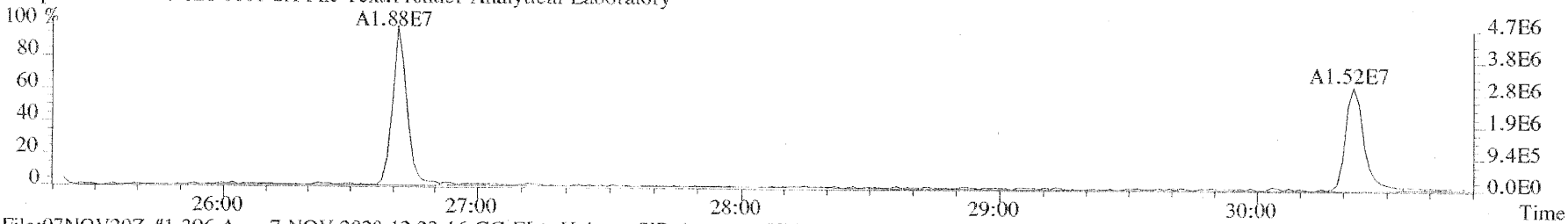
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



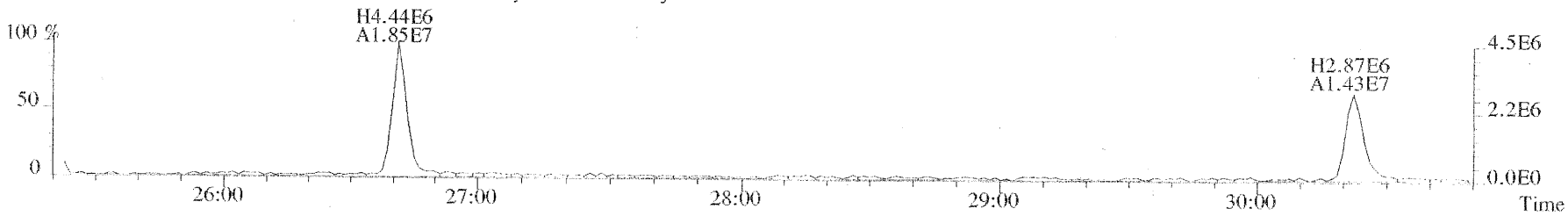
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



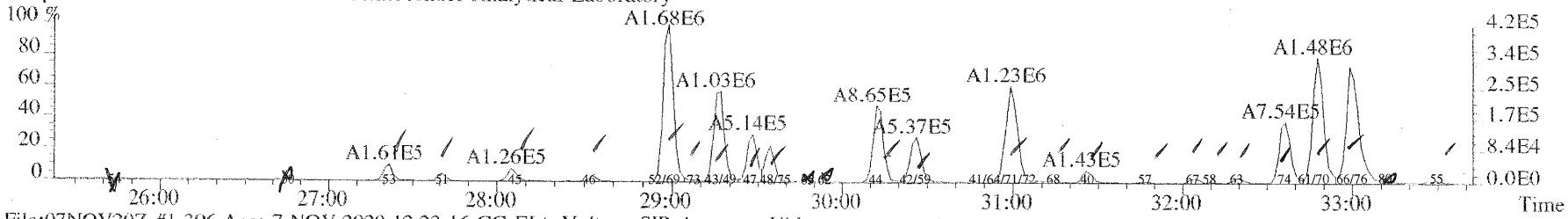
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



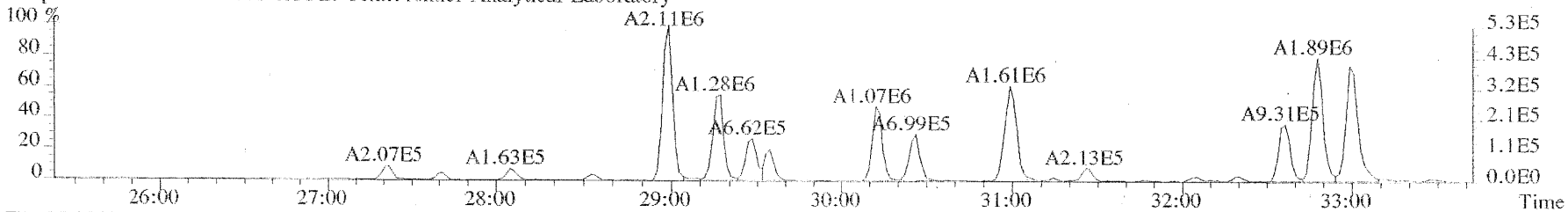
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



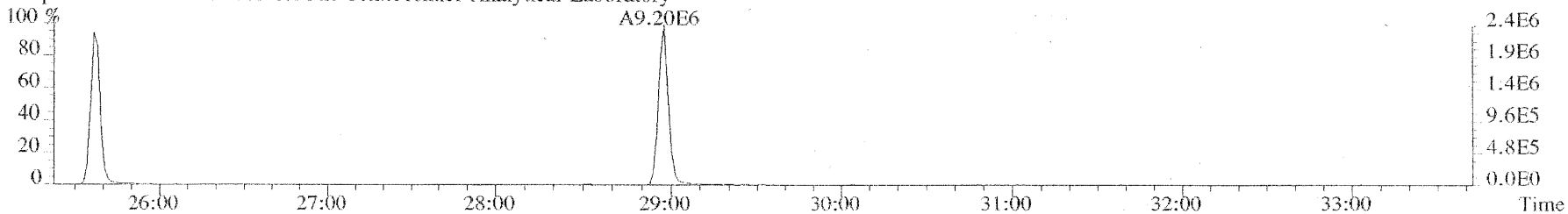
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



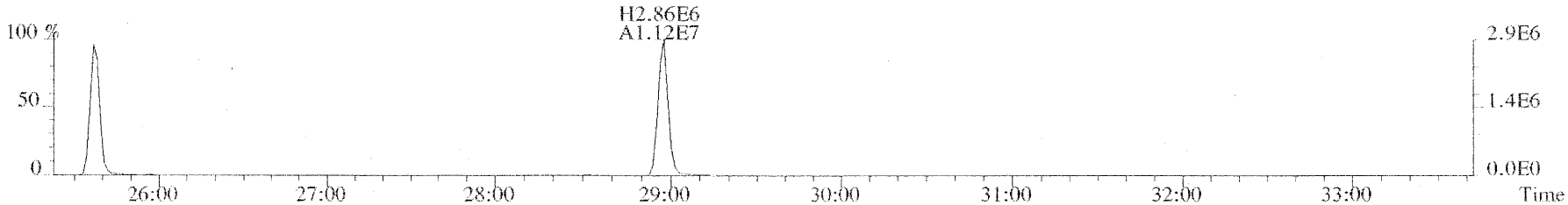
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



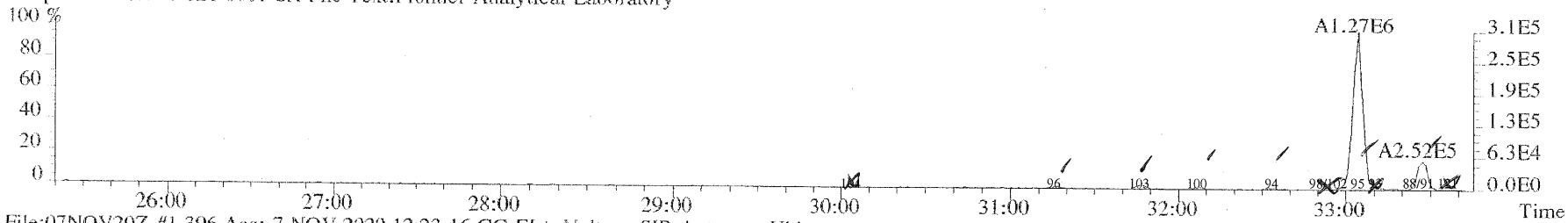
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



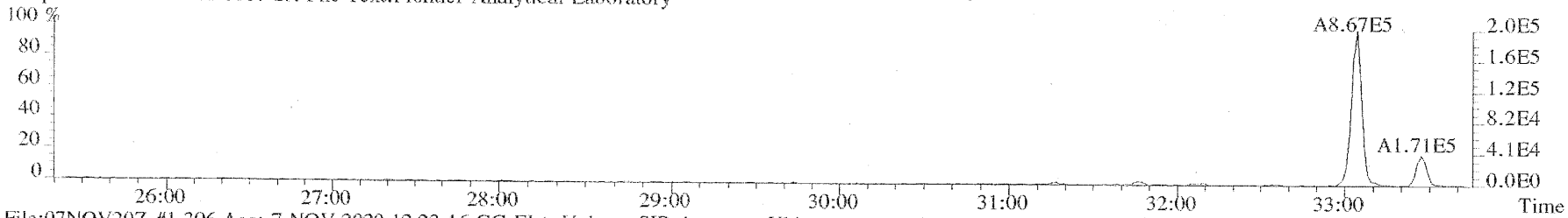
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



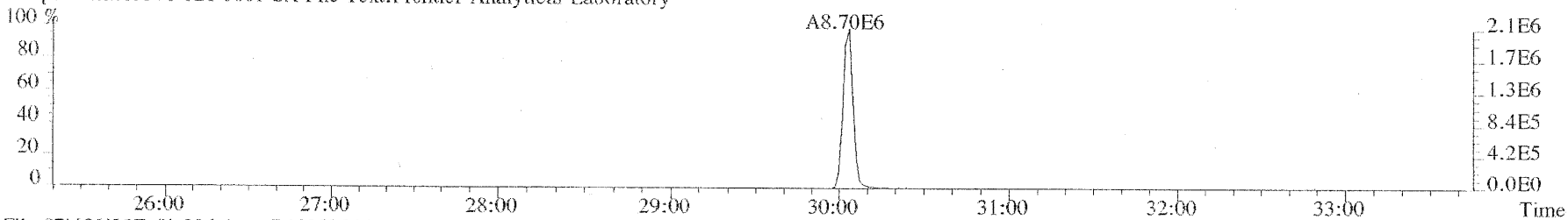
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



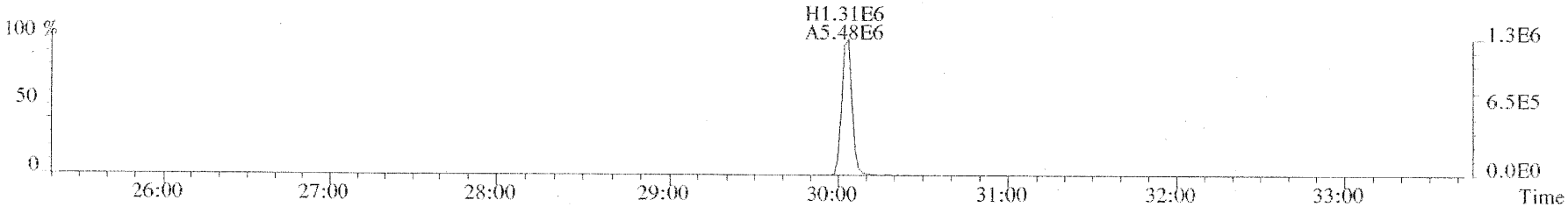
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



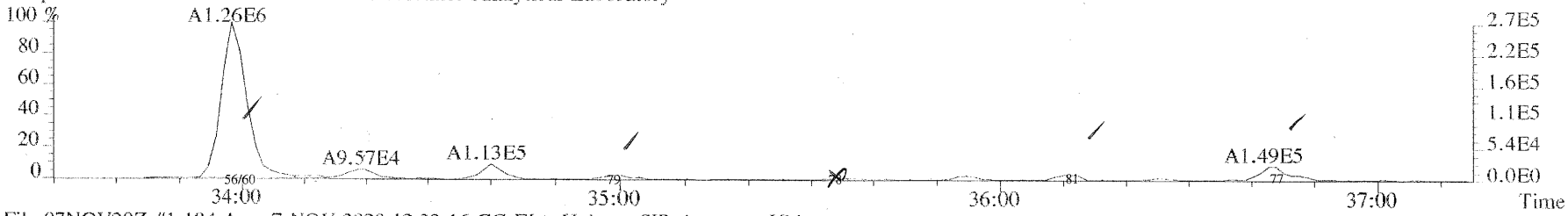
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



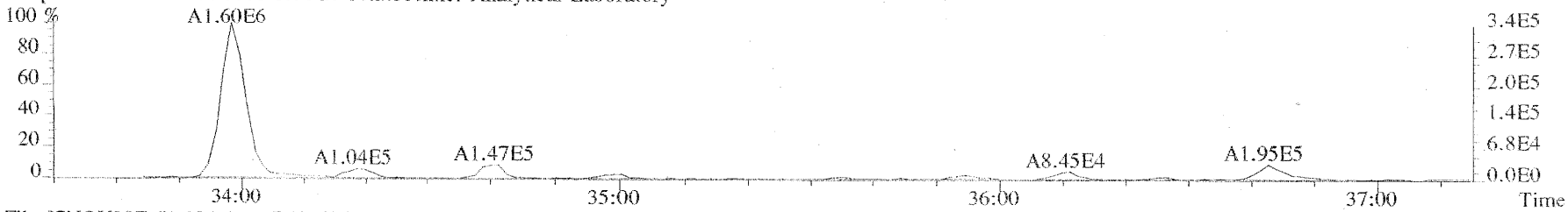
File:07NOV20Z #1-396 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



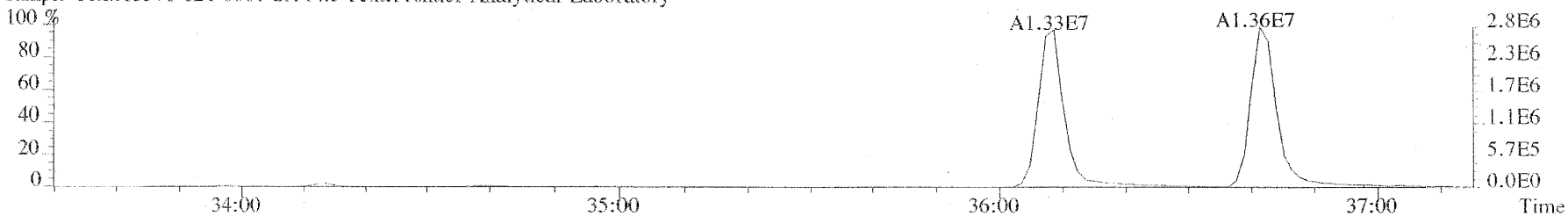
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



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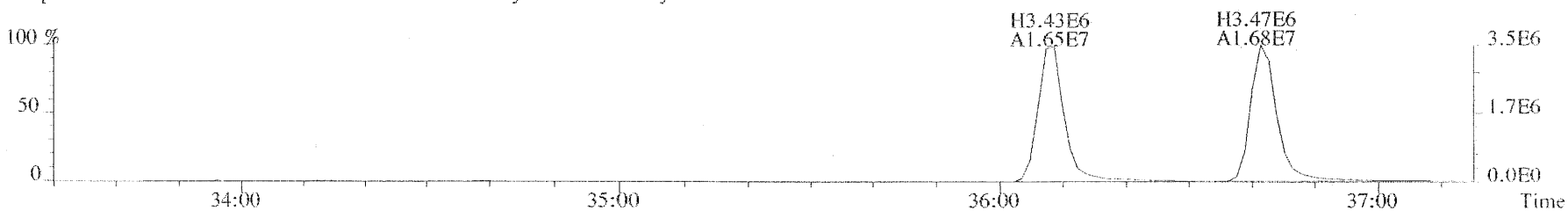
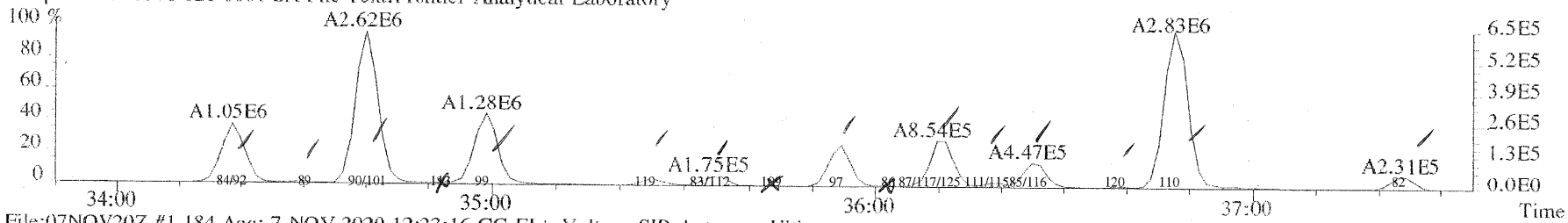
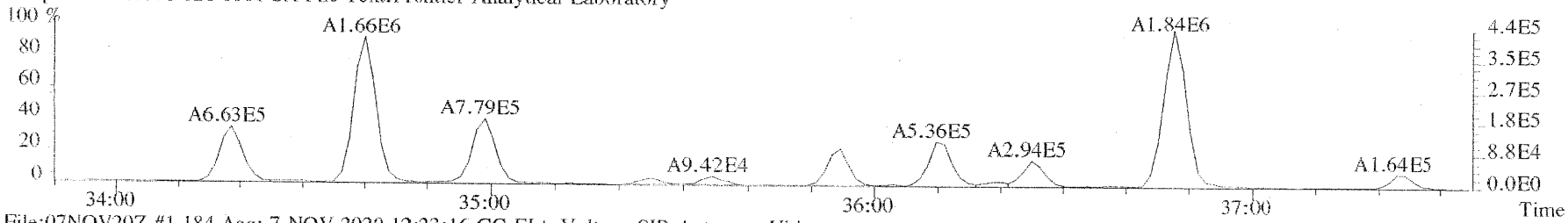
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



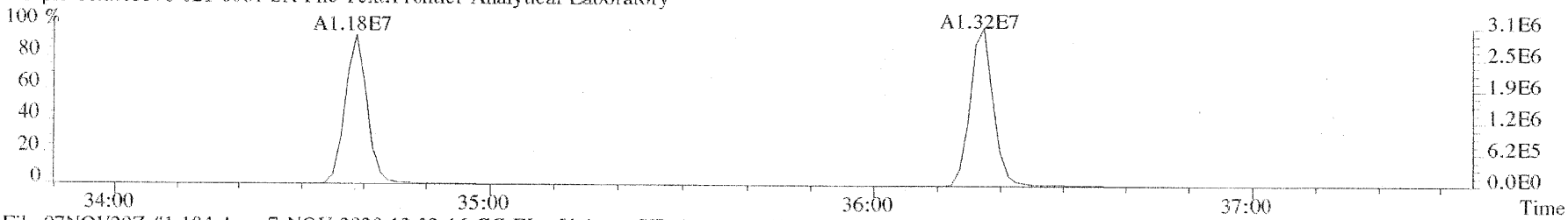
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



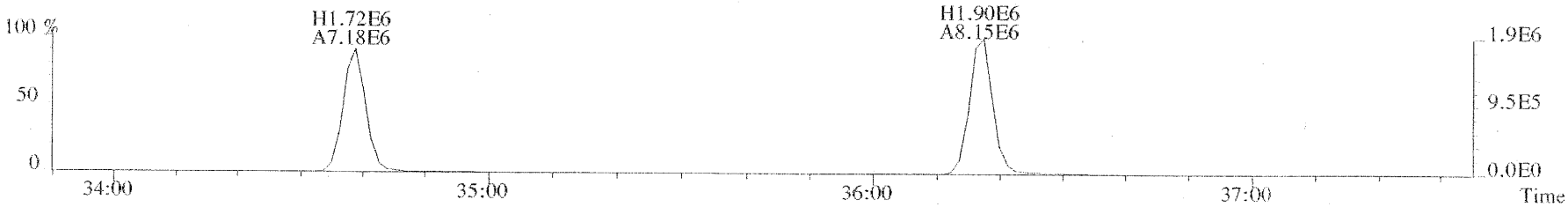
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



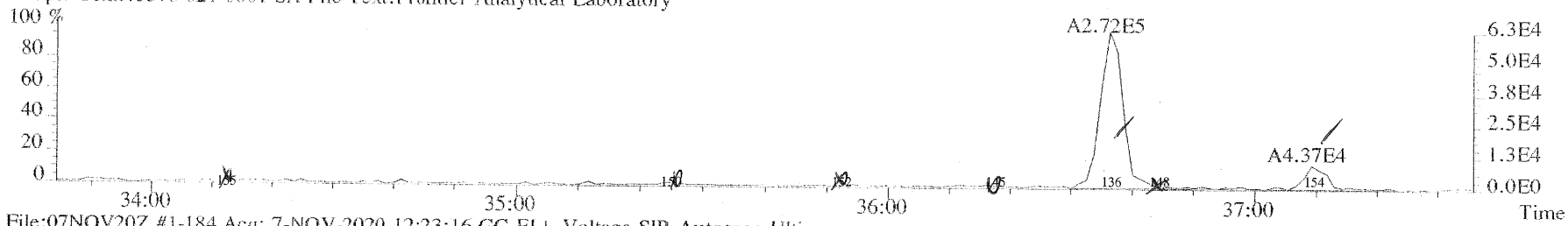
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



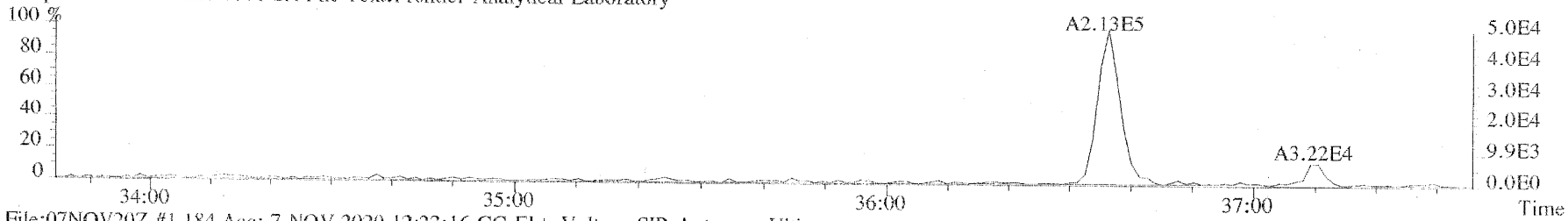
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



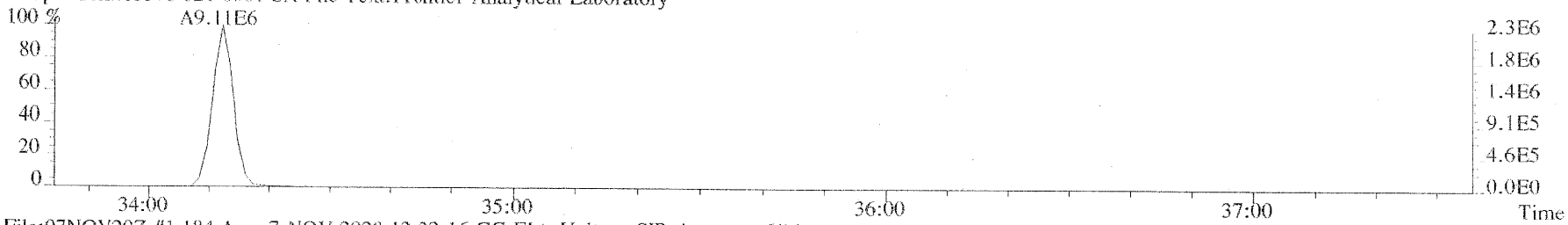
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



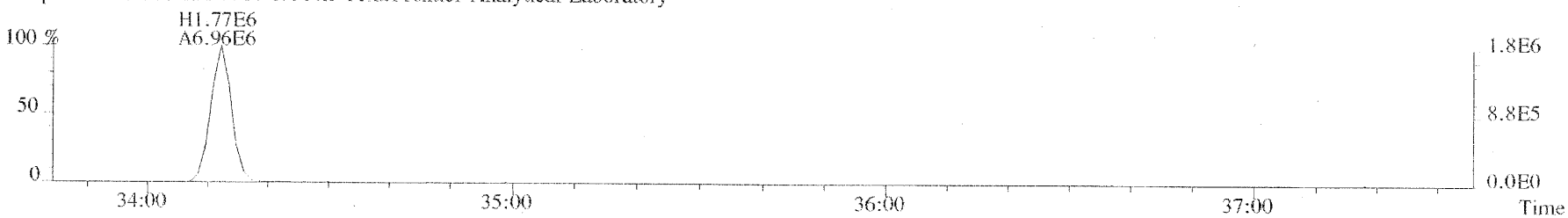
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



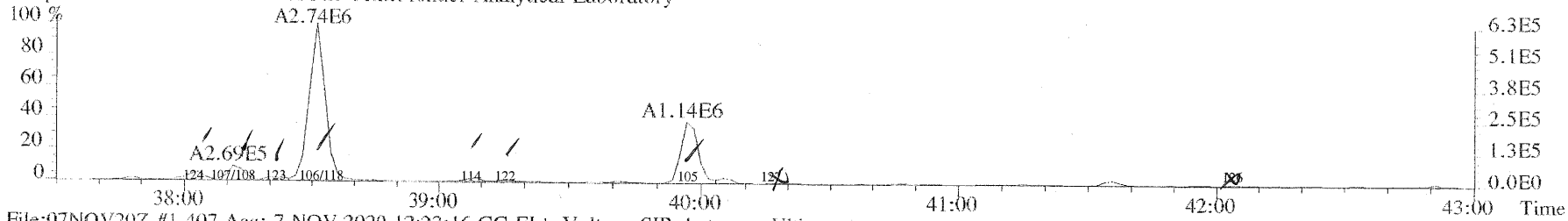
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



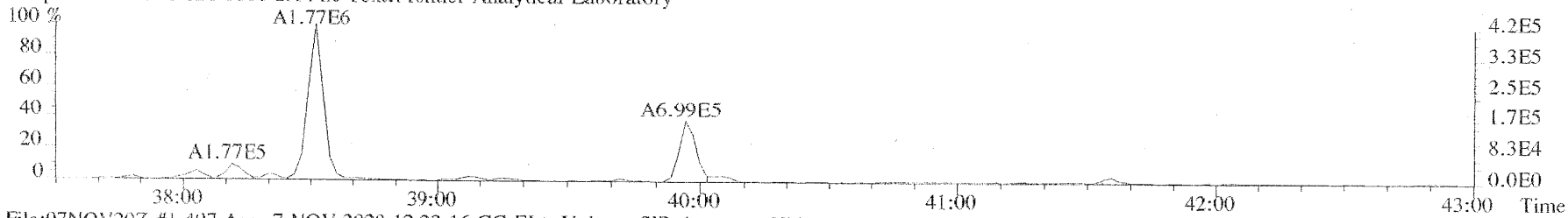
File:07NOV20Z #1-184 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



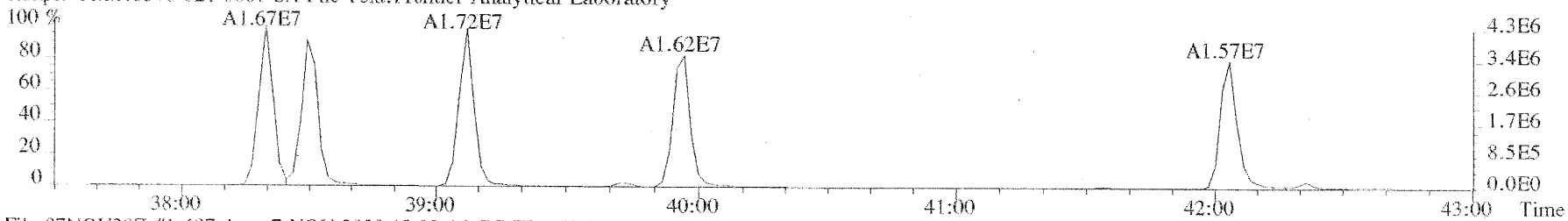
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



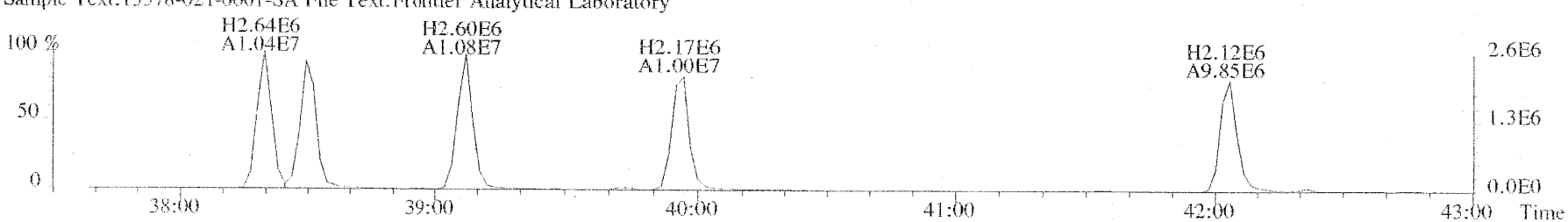
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



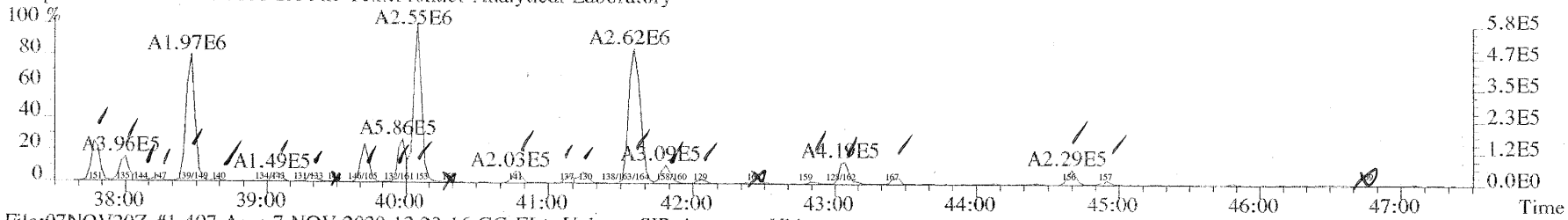
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



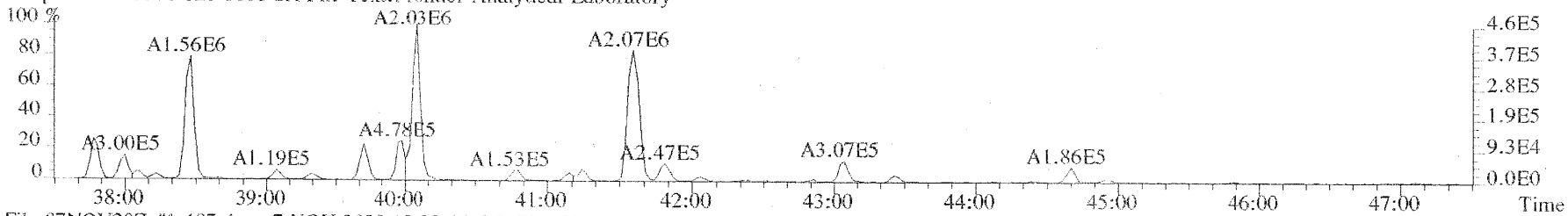
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



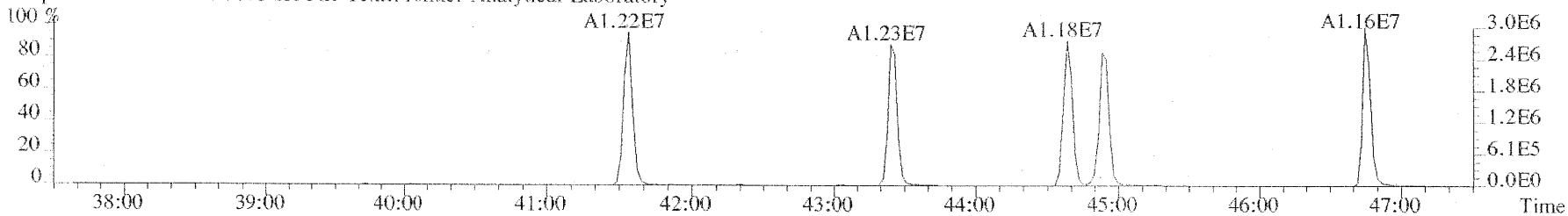
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



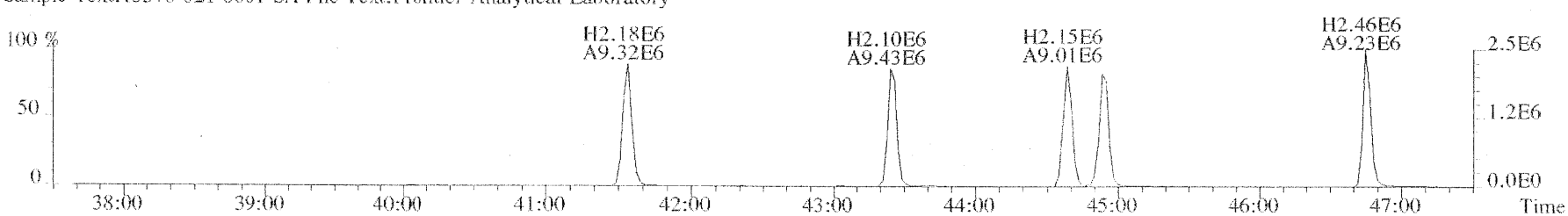
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
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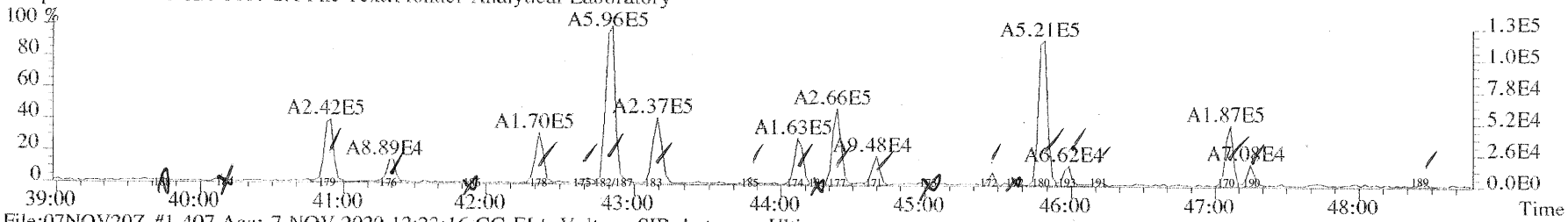
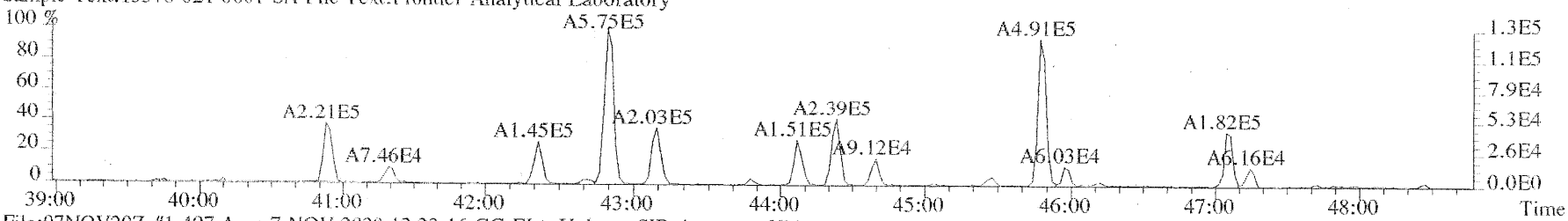
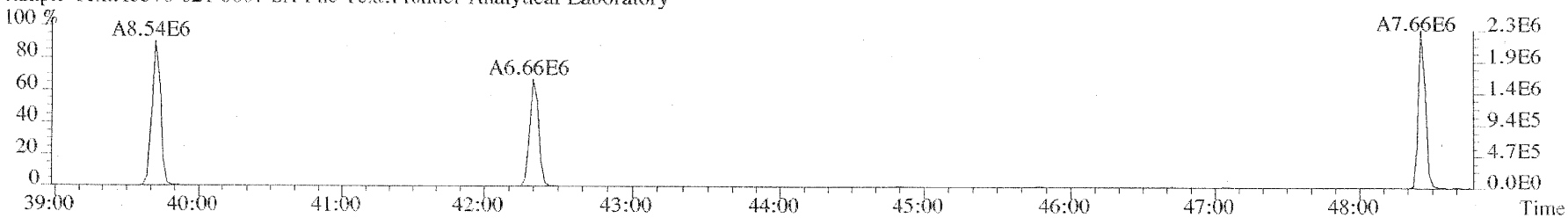


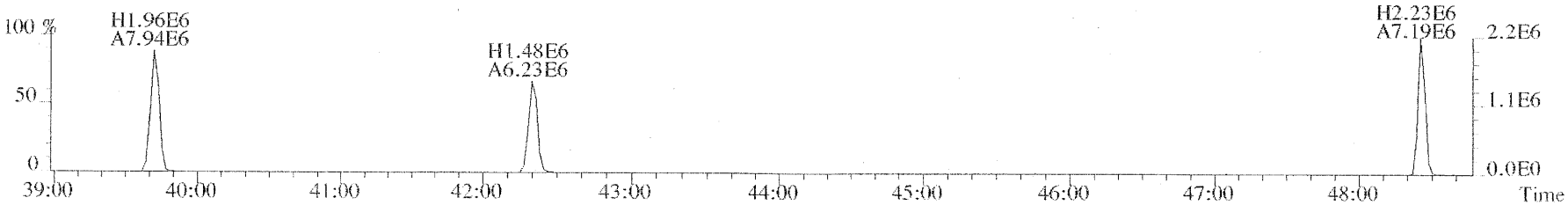
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



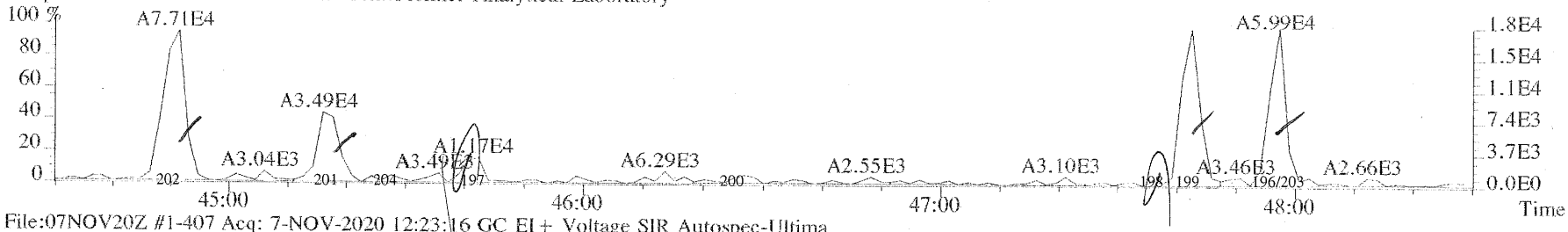
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



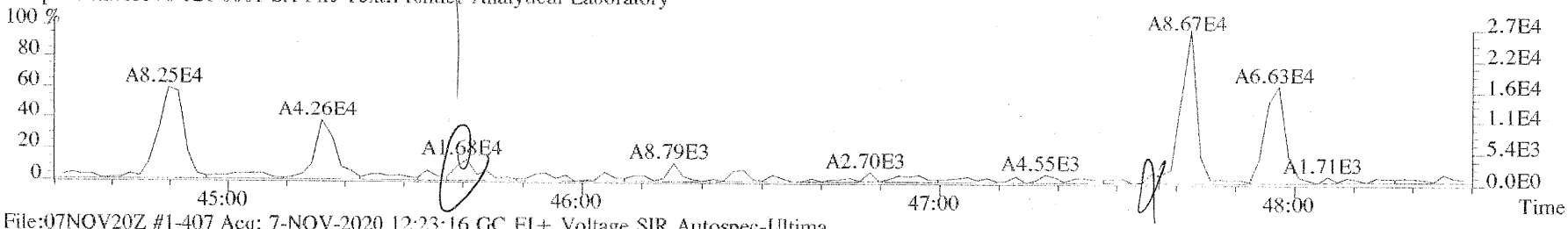
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



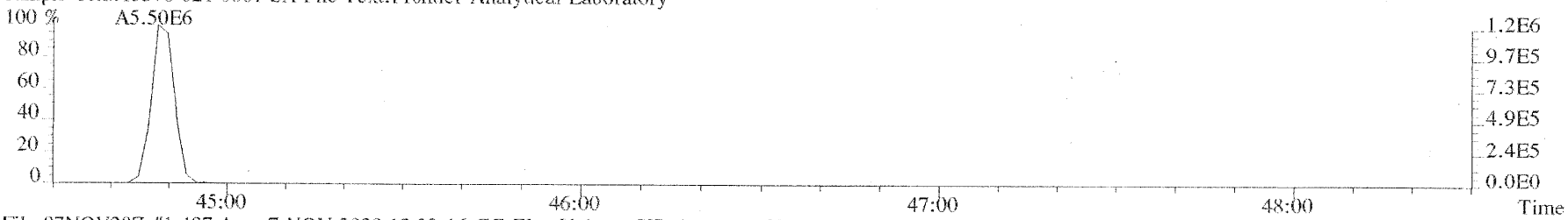
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



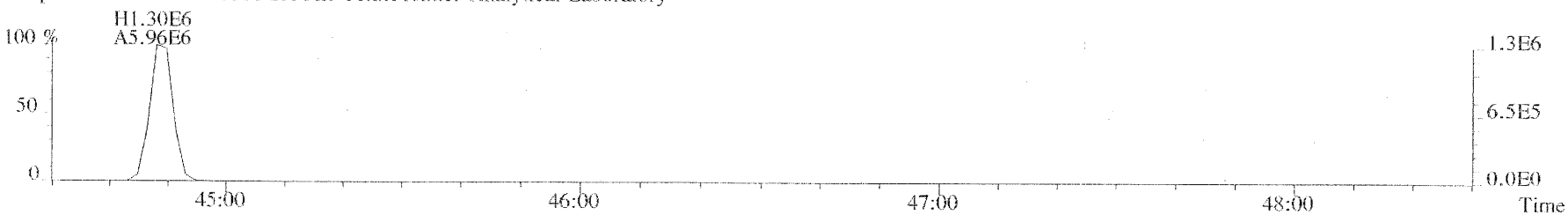
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



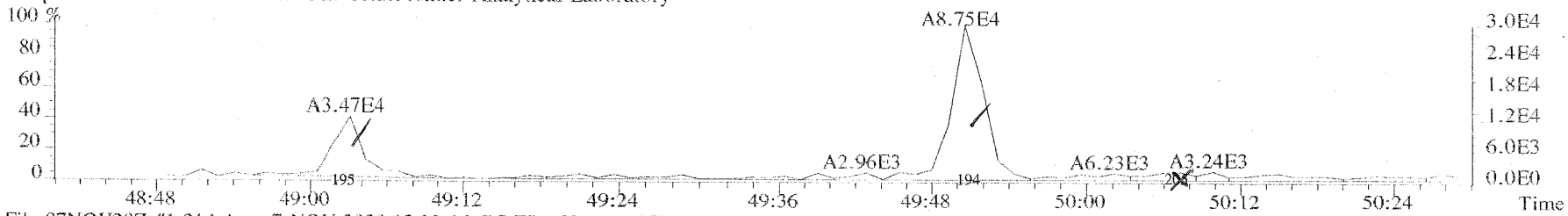
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



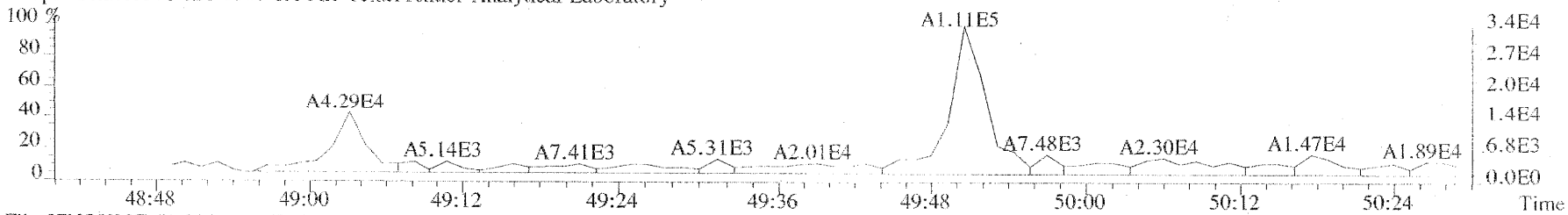
File:07NOV20Z #1-407 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



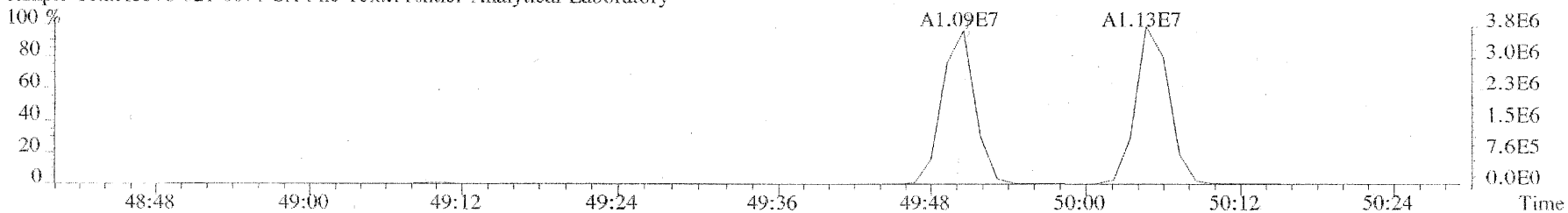
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



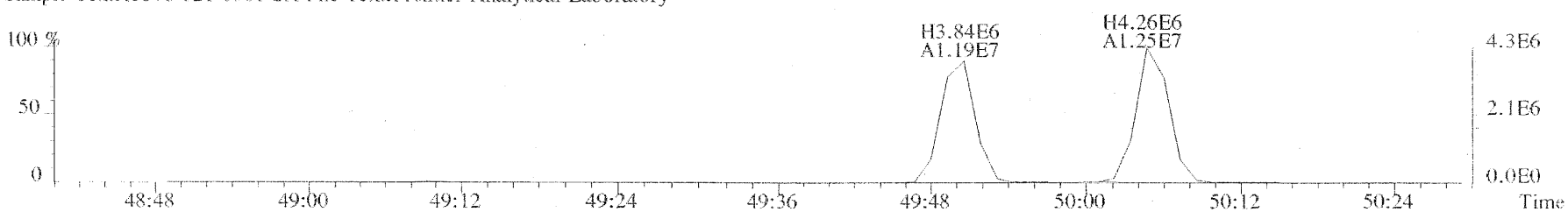
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



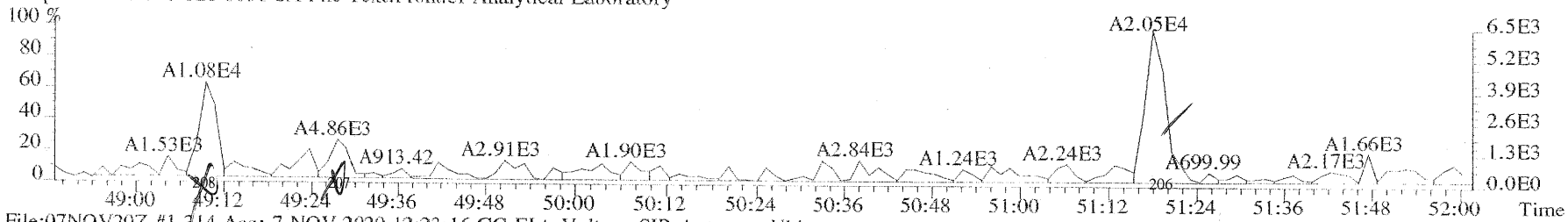
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



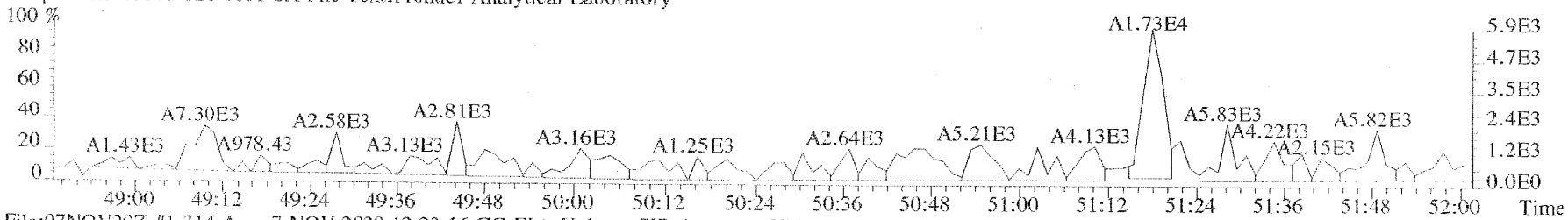
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



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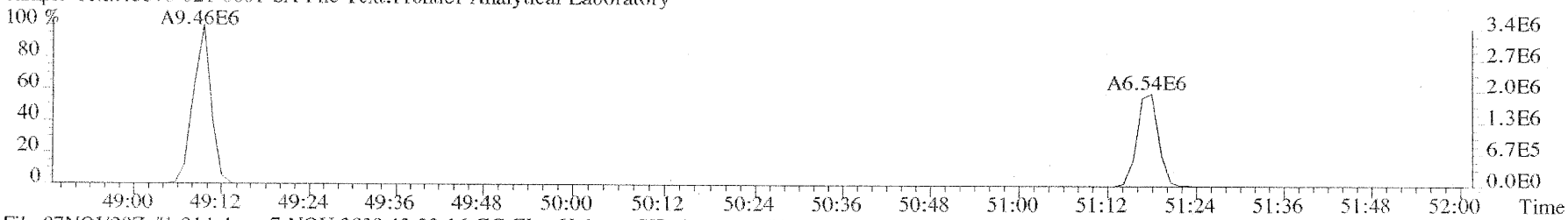
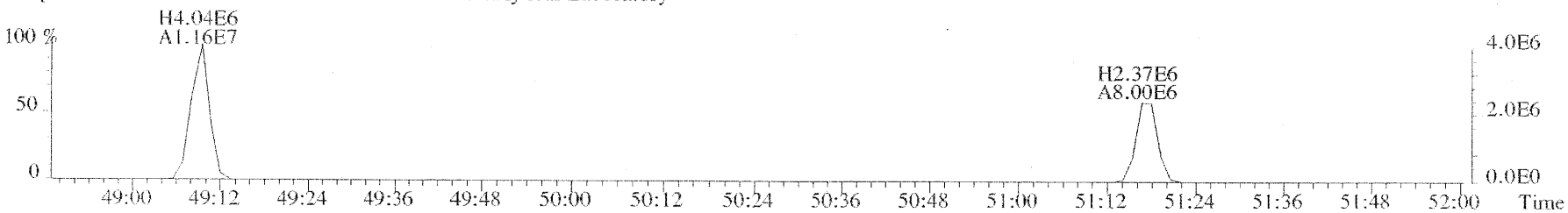
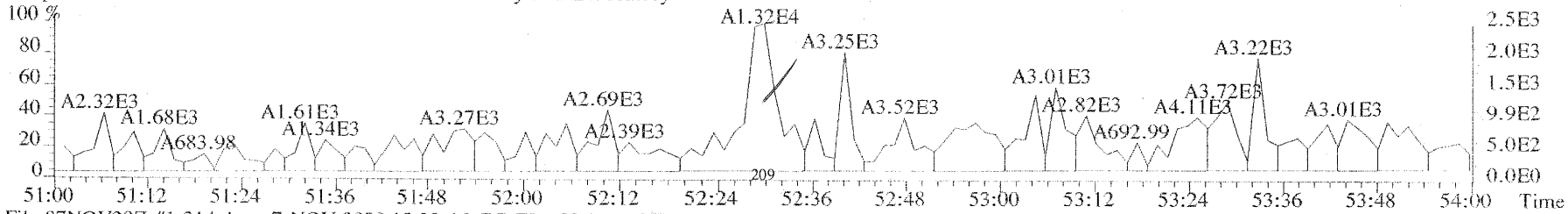
473.7648 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



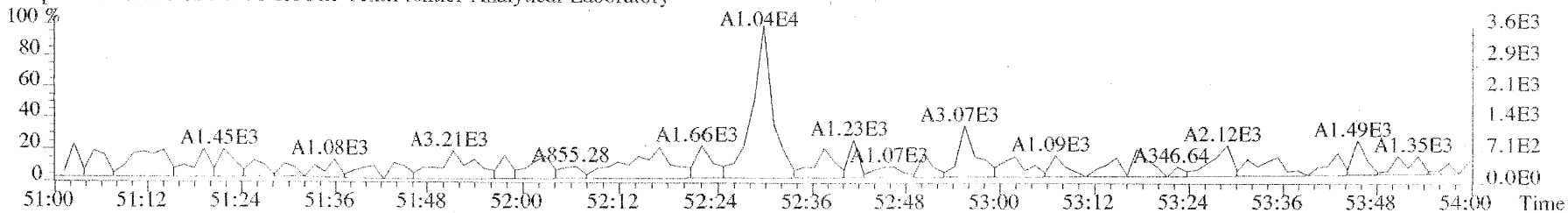
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



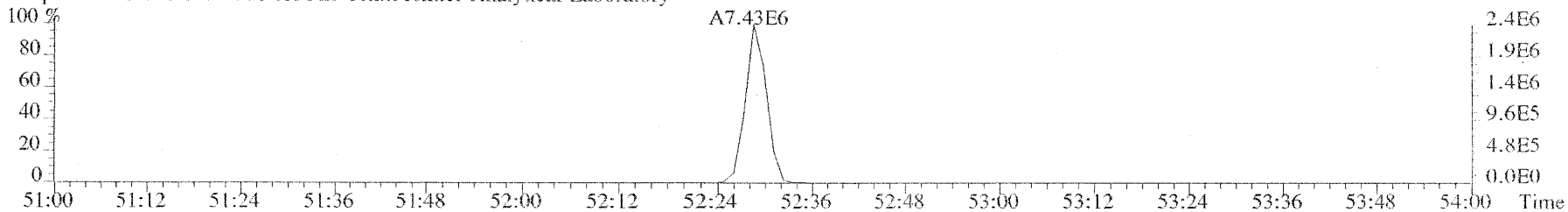
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



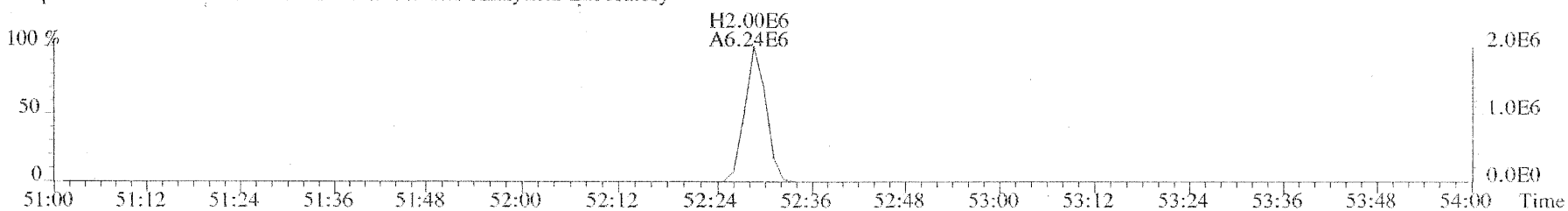
File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 12:23:16 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:13378-021-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Data Filename: 22JUL20Z

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

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

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

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

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

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

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

Analyst: _____ Date: 7/28/20

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: _____ Date: 7/22/20

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

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

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

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

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

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory - Acquisition Log

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

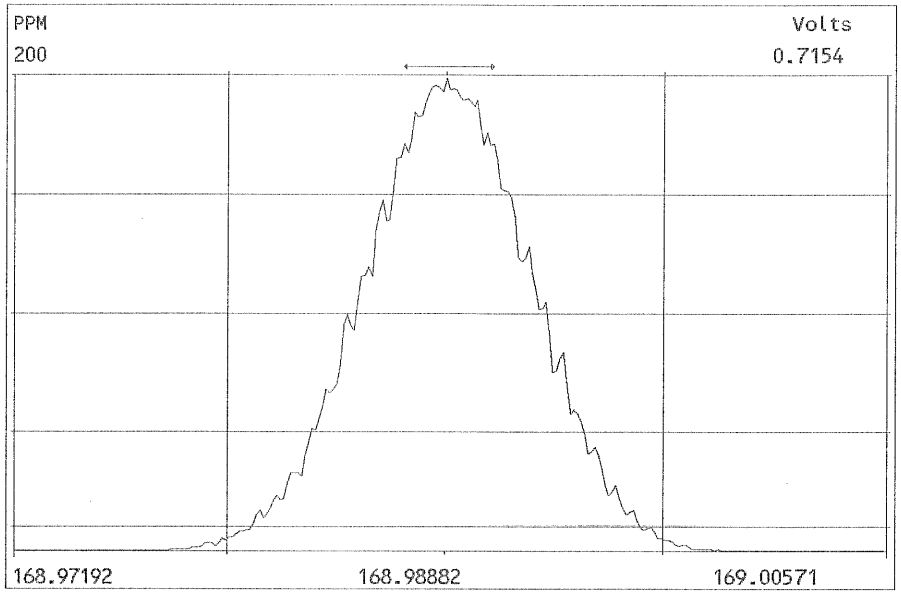
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399 R190905A	22-JUL-20 10:59:13	NA	NA	BS
22JUL20Z	5	ST072220Z4	1668 CS499 R181022B	22-JUL-20 11:57:34	NA	NA	BS
22JUL20Z	6	ST072220Z5	1668 CS599 R130426C	22-JUL-20 12:55:55	NA	NA	BS
22JUL20Z	7	SB072220Z1	Solvent Blank	22-JUL-20 13:54:16	NA	NA	BS
22JUL20Z	8	ST072220Z6	CS20998 200406A	22-JUL-20 14:52:38	ST072220Z6	ST072220Z7	BS
22JUL20Z	9	SS072220Z1	2nd Source 170815A	22-JUL-20 15:50:59	ST072220Z6	ST072220Z7	BS
22JUL20Z	10	05376-001-0001-OPR	OPR	22-JUL-20 16:49:21	ST072220Z6	ST072220Z7	BS
22JUL20Z	11	05387-001-0001-OPR	OPR	22-JUL-20 17:47:42	ST072220Z6	ST072220Z7	BS
22JUL20Z	12	05376-001-0001-MB	Method Blank	22-JUL-20 18:46:03	ST072220Z6	ST072220Z7	BS
22JUL20Z	13	05387-001-0001-MB	Method Blank	22-JUL-20 19:44:25	ST072220Z6	ST072220Z7	BS
22JUL20Z	14	13203-002-0001-SA	E-001-D	22-JUL-20 20:42:46	ST072220Z6	ST072220Z7	BS
22JUL20Z	15	13208-001-0001-SA	Effluent	22-JUL-20 21:41:07	ST072220Z6	ST072220Z7	BS
22JUL20Z	16	13209-002-0001-SA	E2007007C	22-JUL-20 22:39:30	ST072220Z6	ST072220Z7	BS
22JUL20Z	17	13211-001-0001-SA	202007100007	22-JUL-20 23:37:51	ST072220Z6	ST072220Z7	BS
22JUL20Z	18	13217-001-0001-SA	EFF-002	23-JUL-20 00:36:12	ST072220Z6	ST072220Z7	BS
22JUL20Z	19	SB072220Z2	Solvent Blank	23-JUL-20 01:34:34	ST072220Z6	ST072220Z7	BS
22JUL20Z	20	ST072220Z7	CS20999 200406A	23-JUL-20 02:32:55	ST072220Z6	ST072220Z7	BS

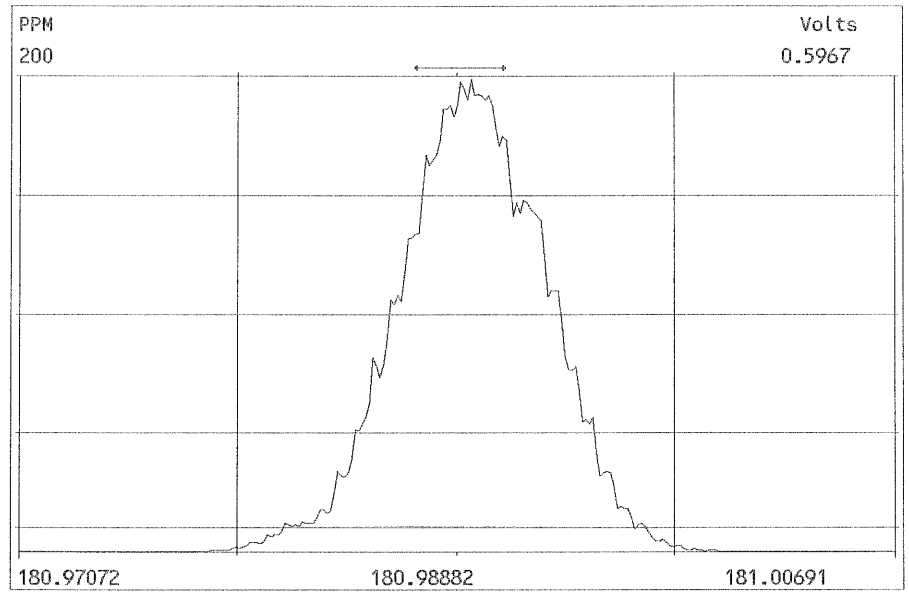
7/28/20

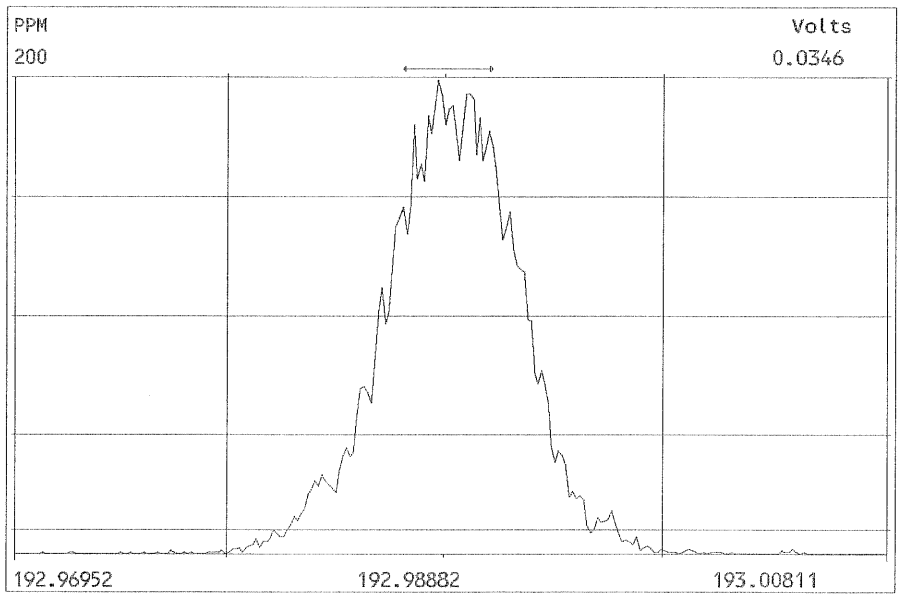
Data Backed Up:_____

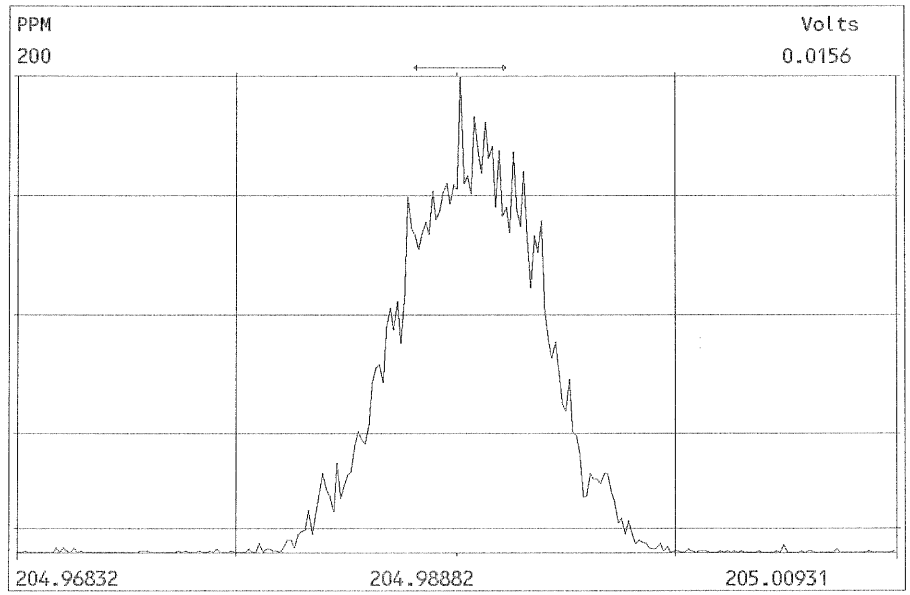
Date:_____

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

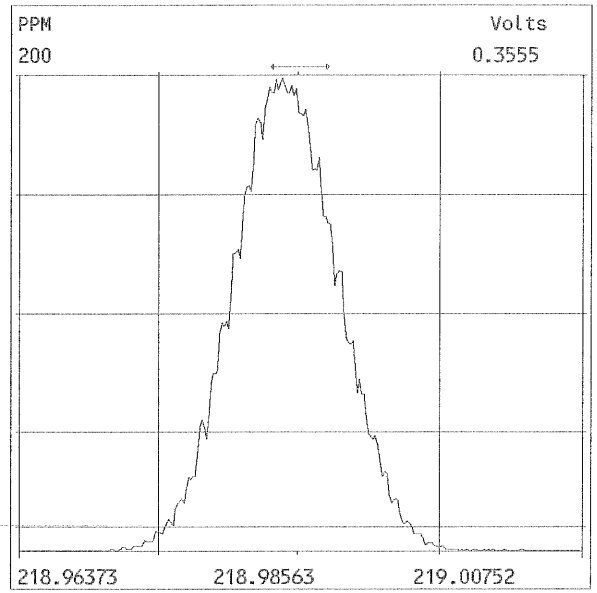


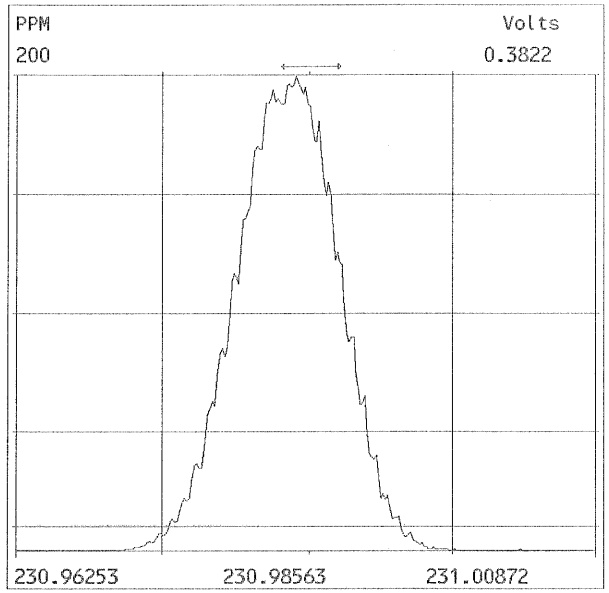


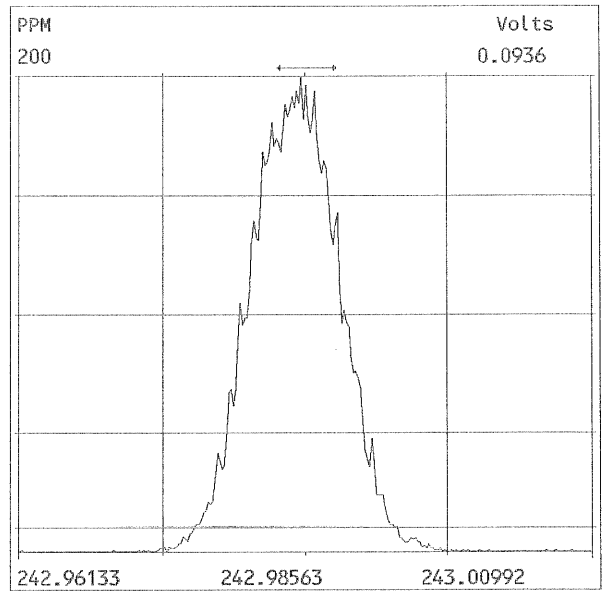


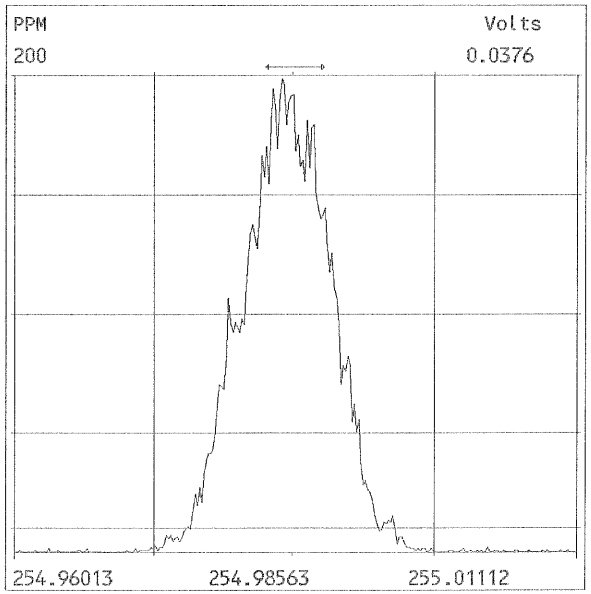


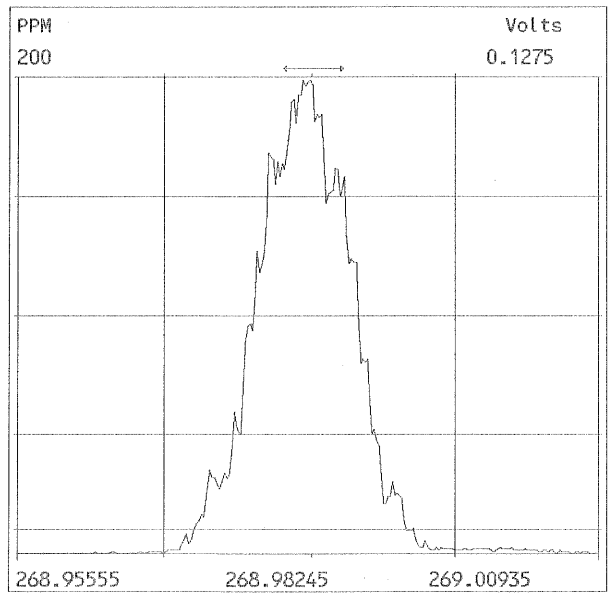
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

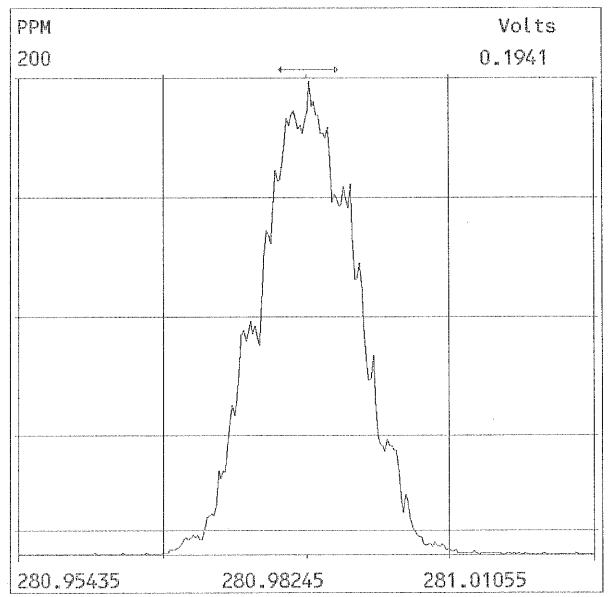




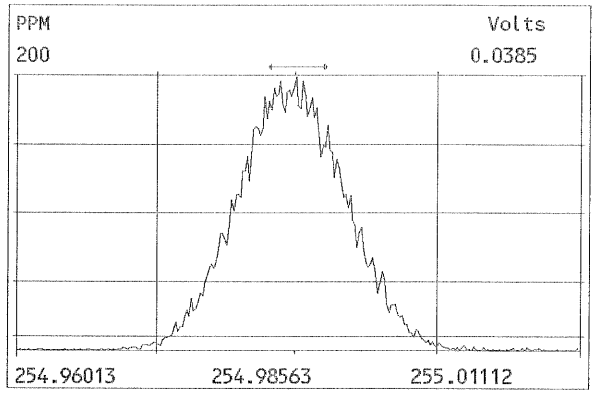


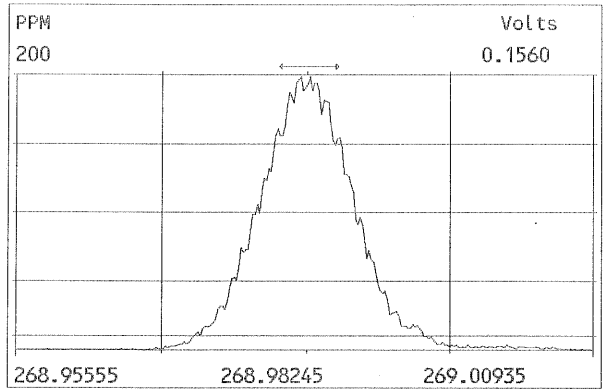


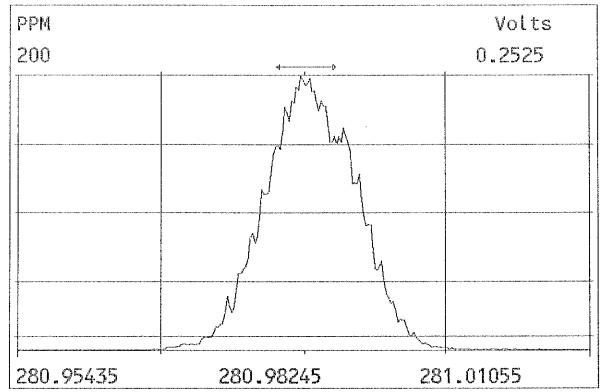


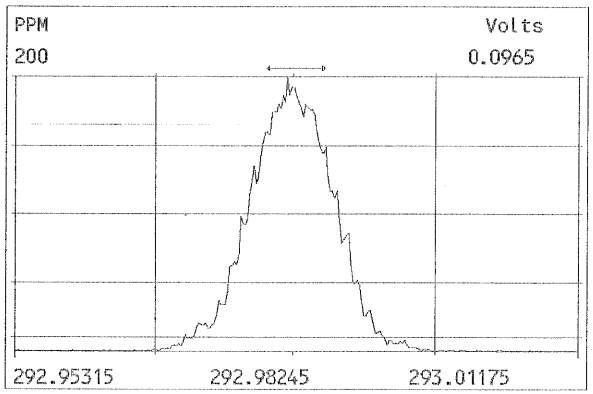


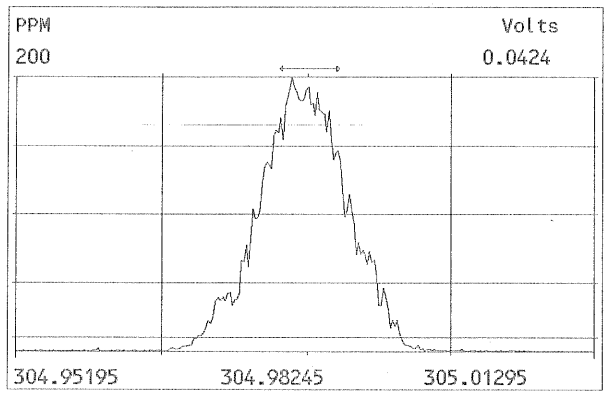
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

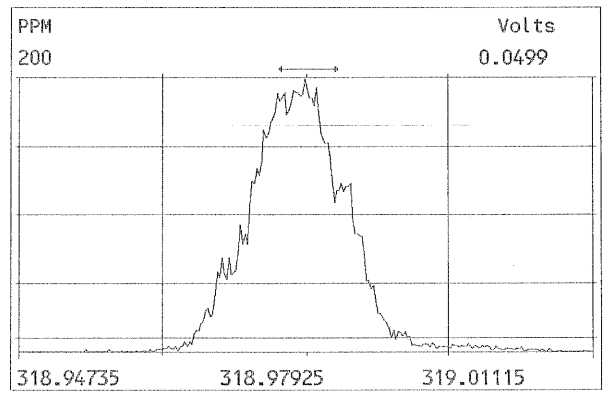


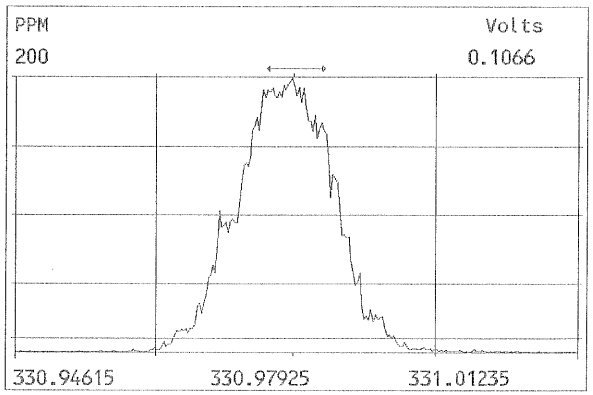


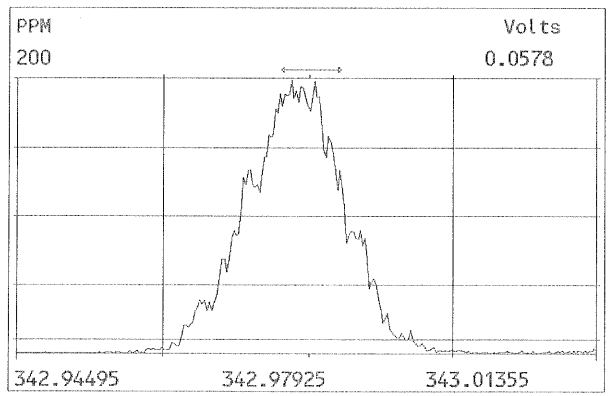




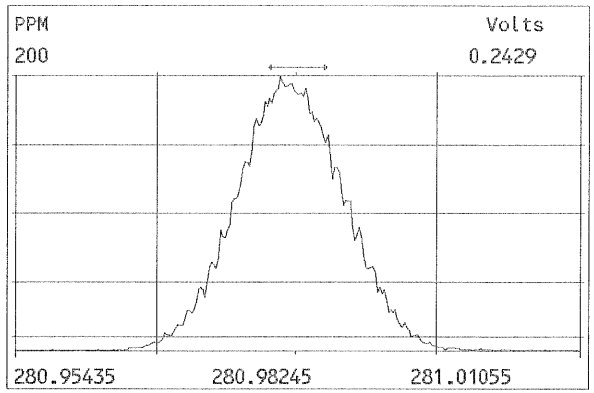


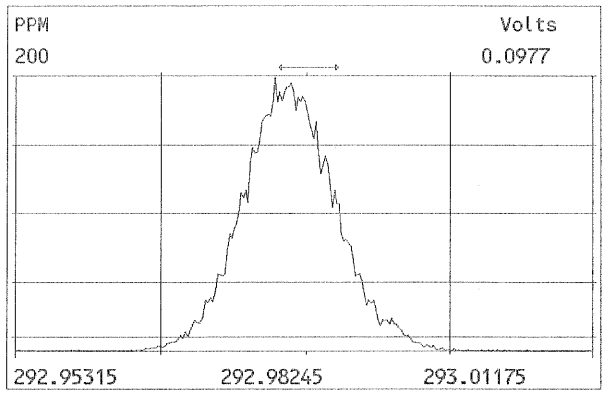


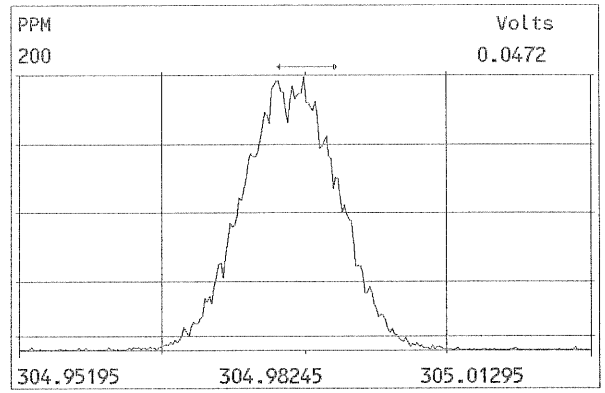


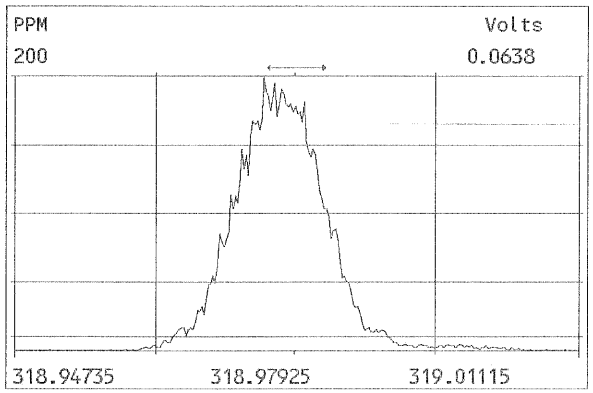


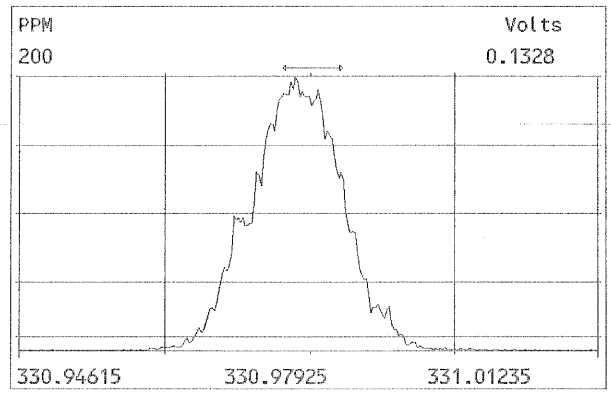
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

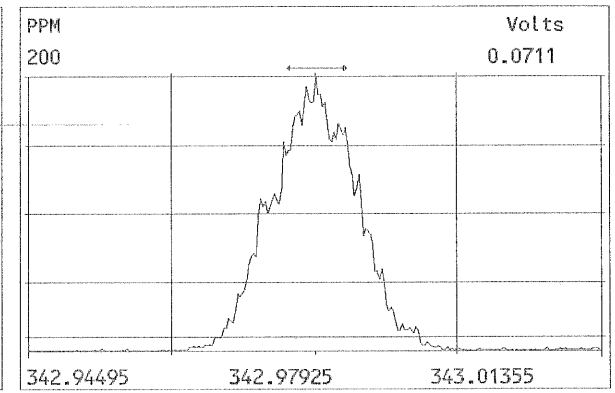


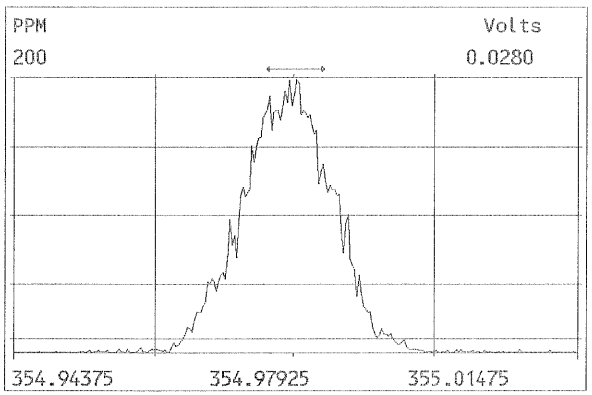


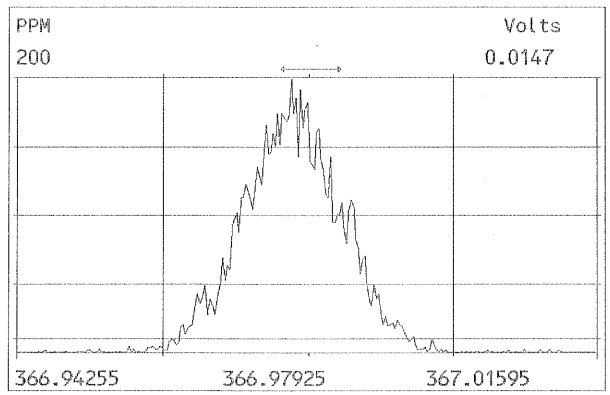


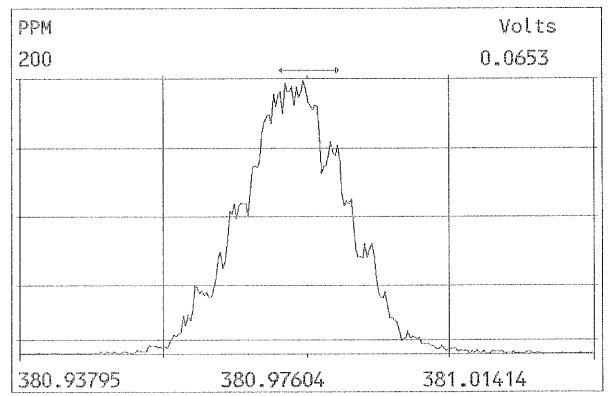




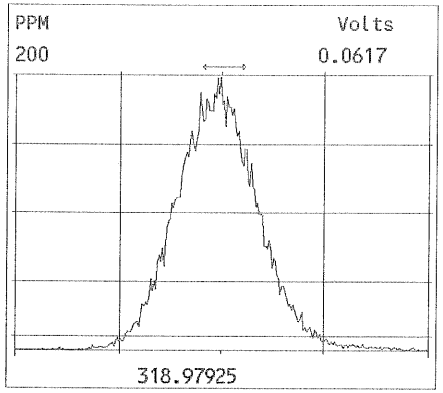


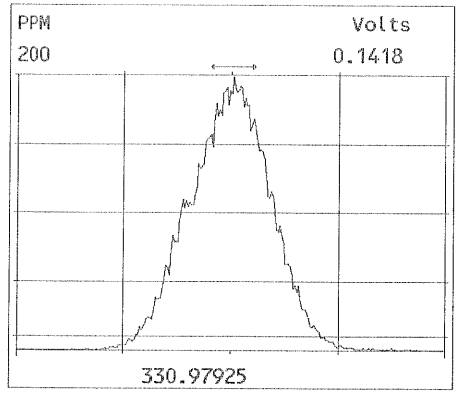


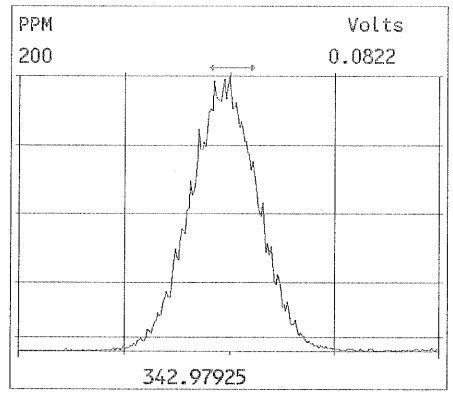


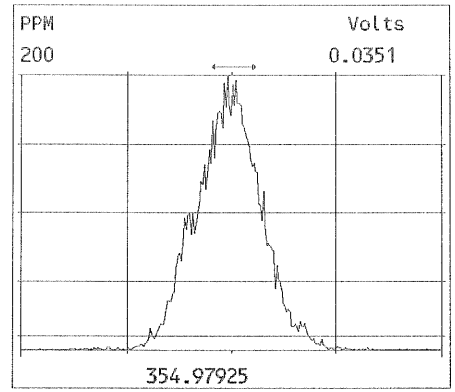


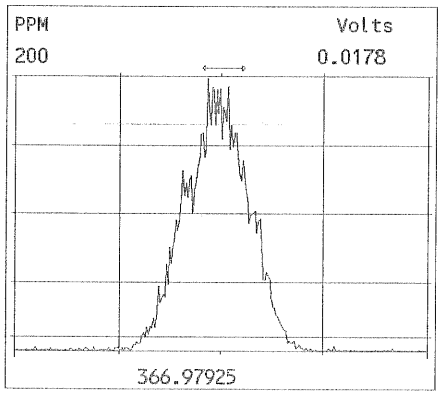
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

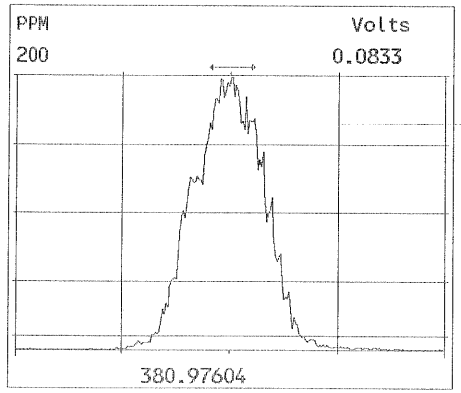


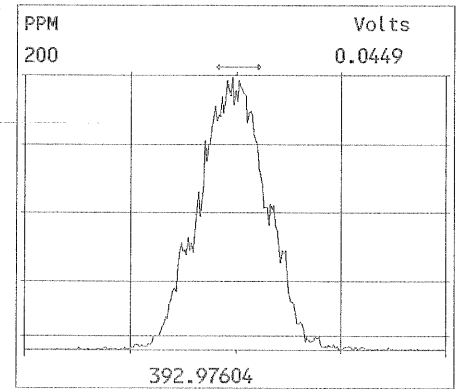


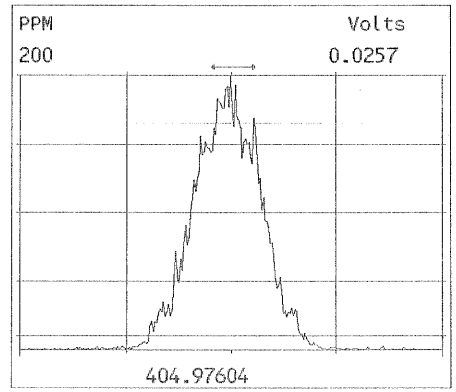


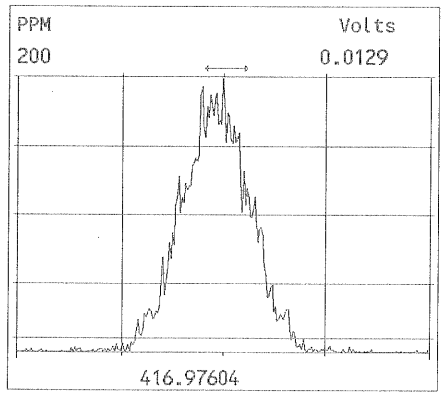


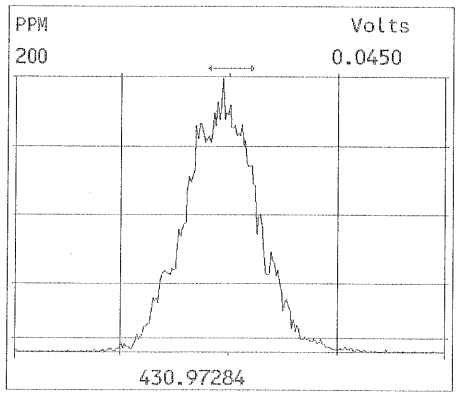


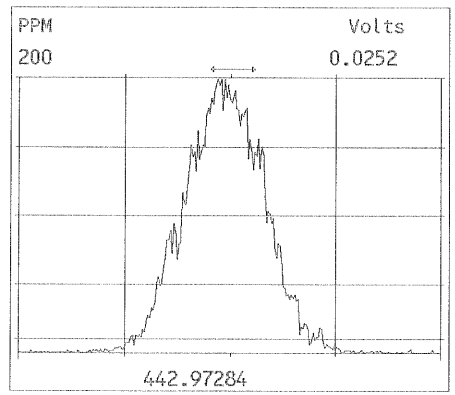




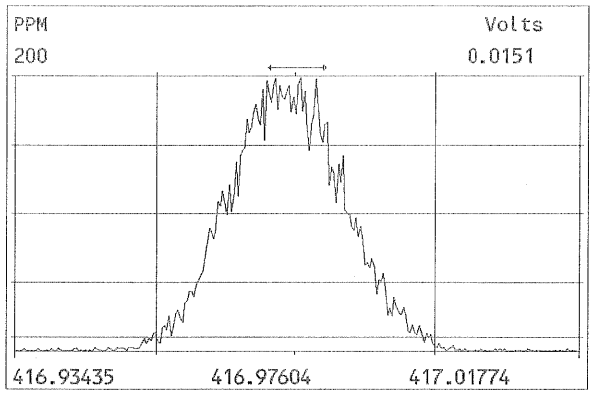


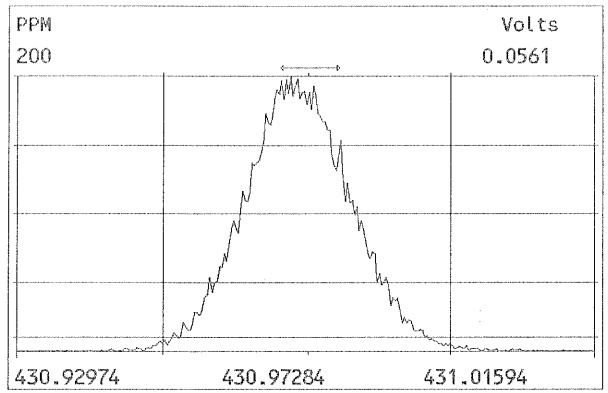


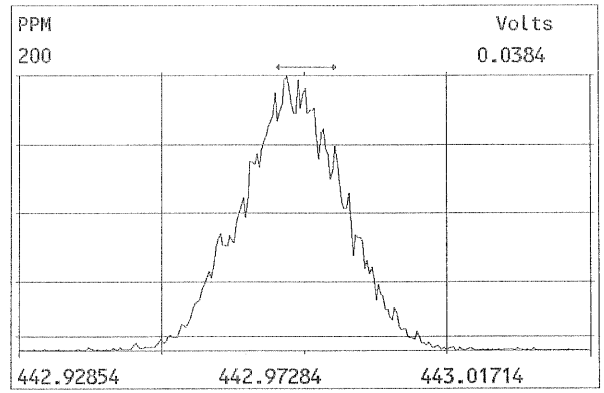


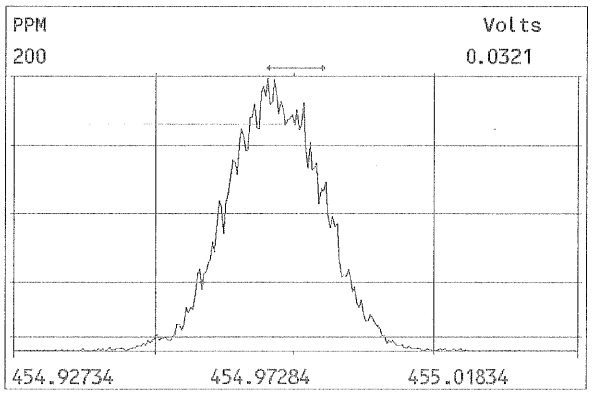


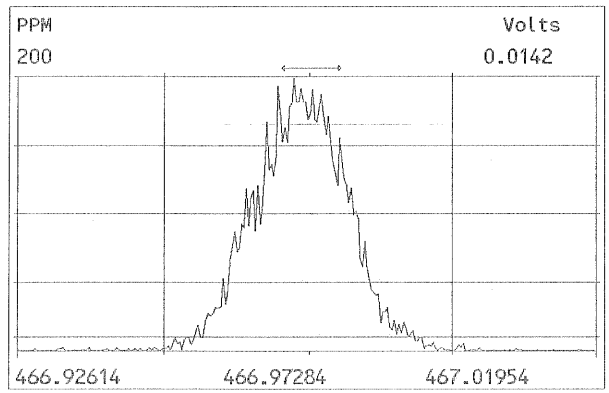
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

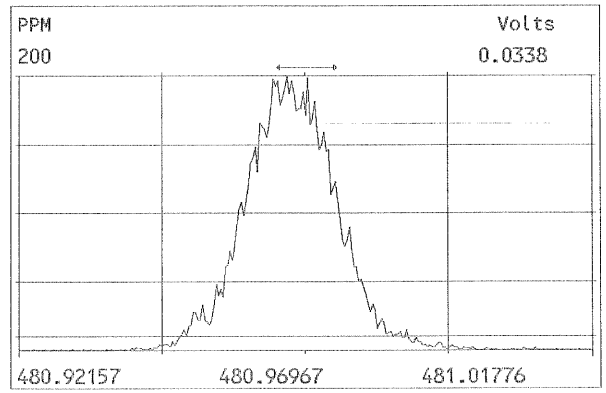


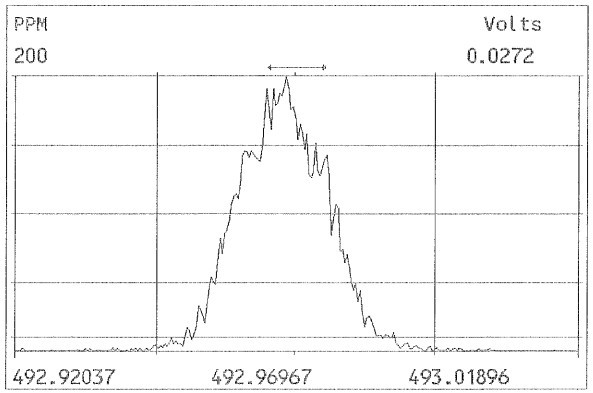


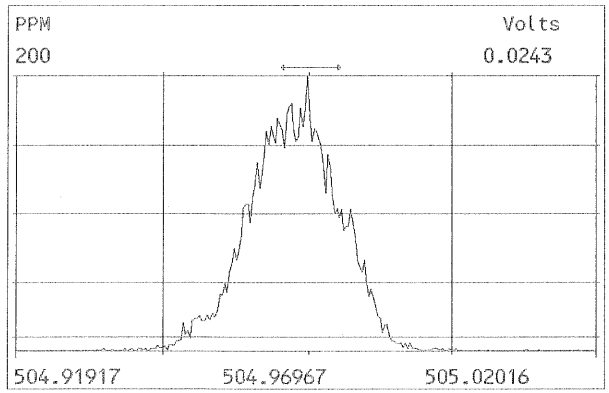


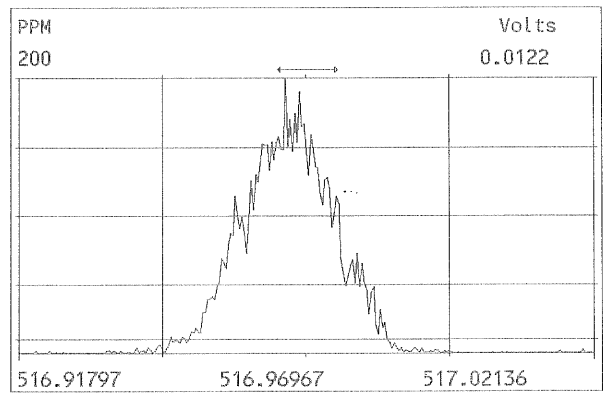




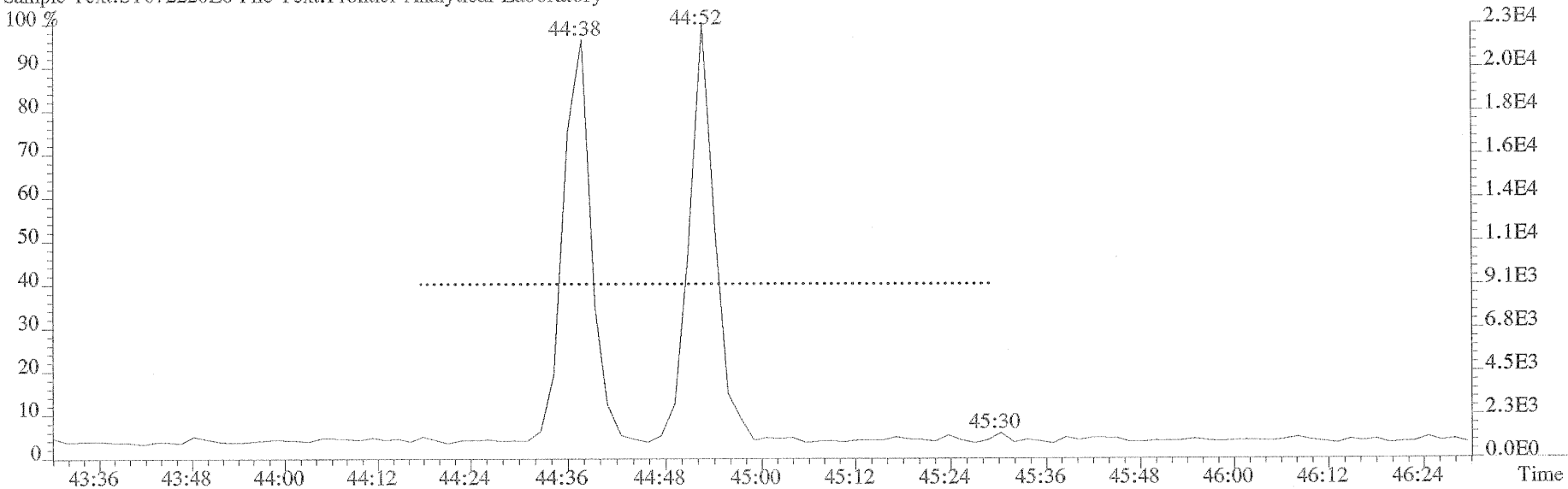




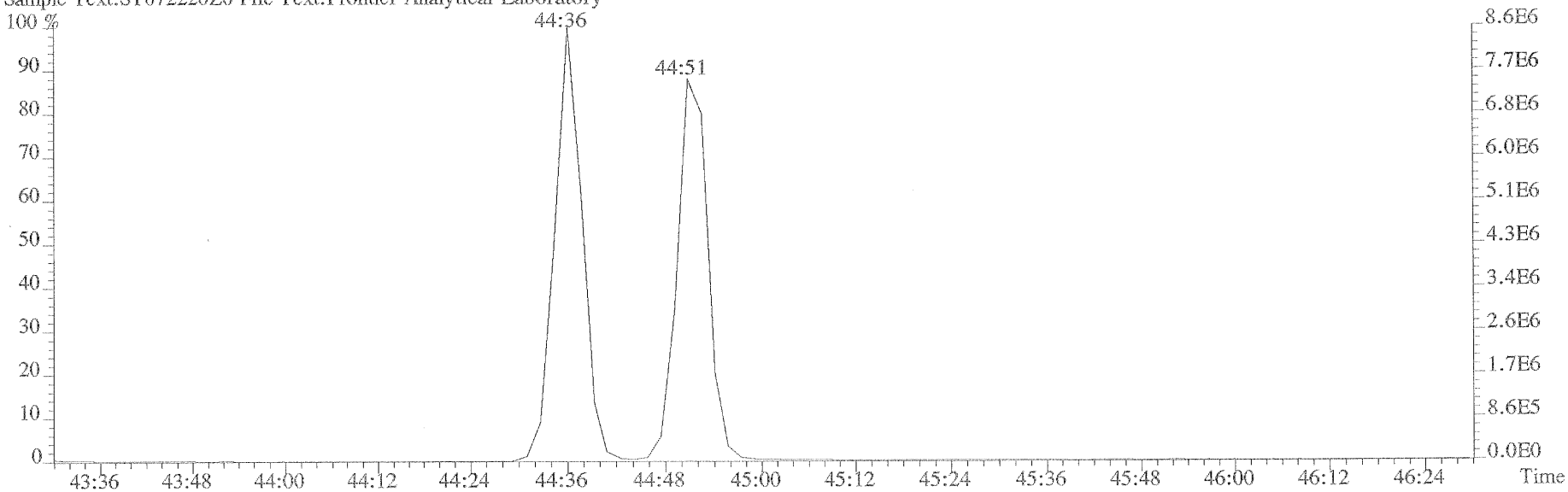




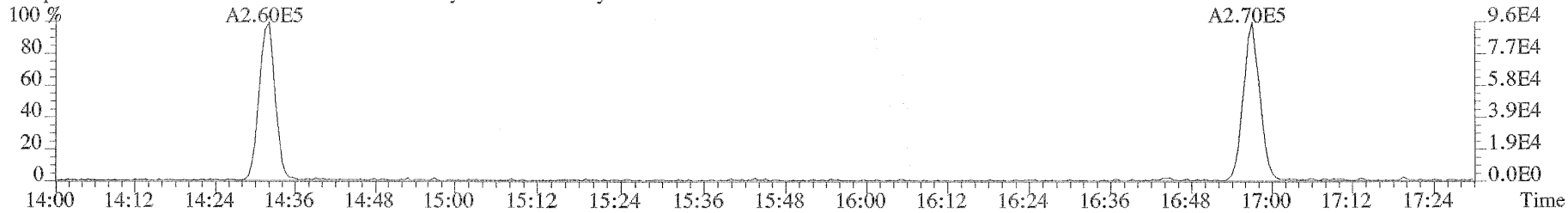
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



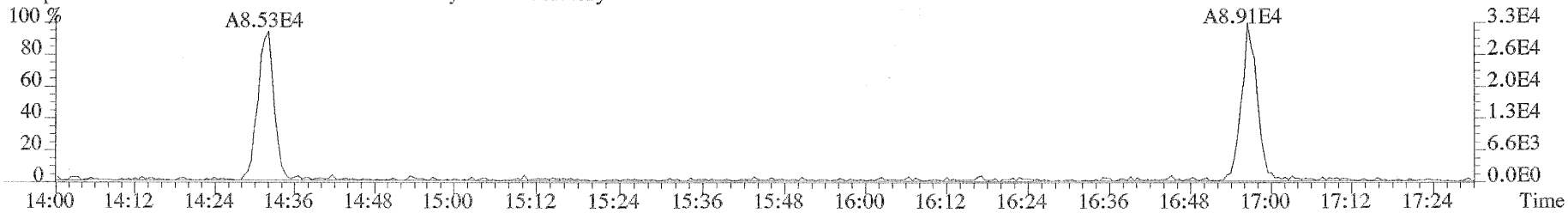
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



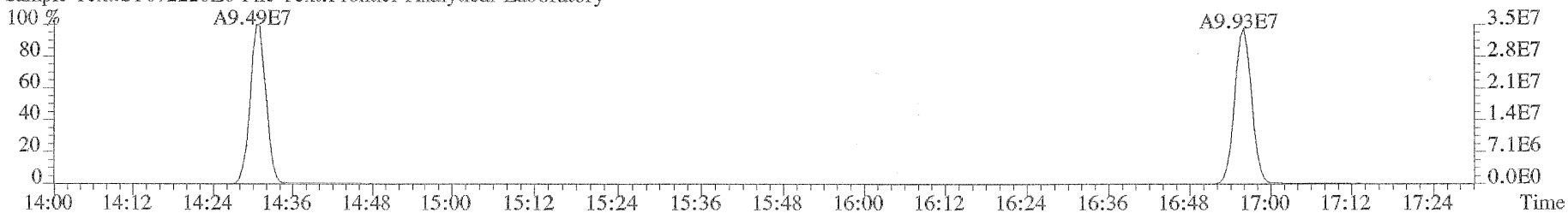
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



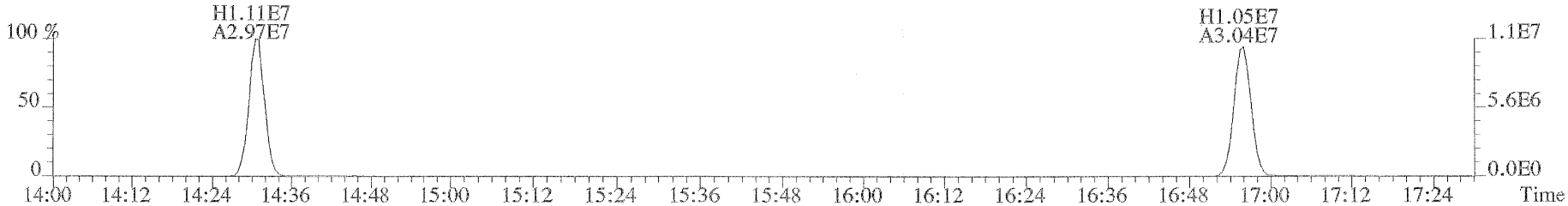
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



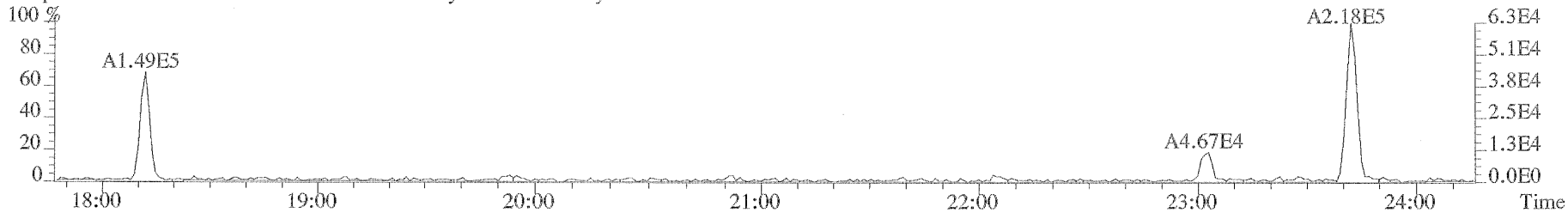
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



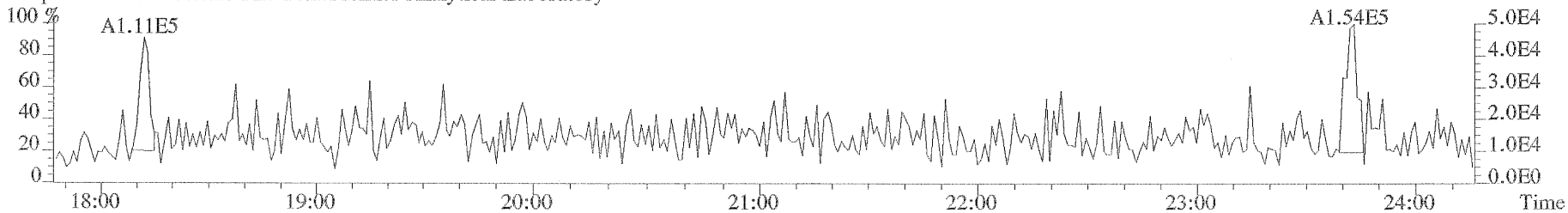
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



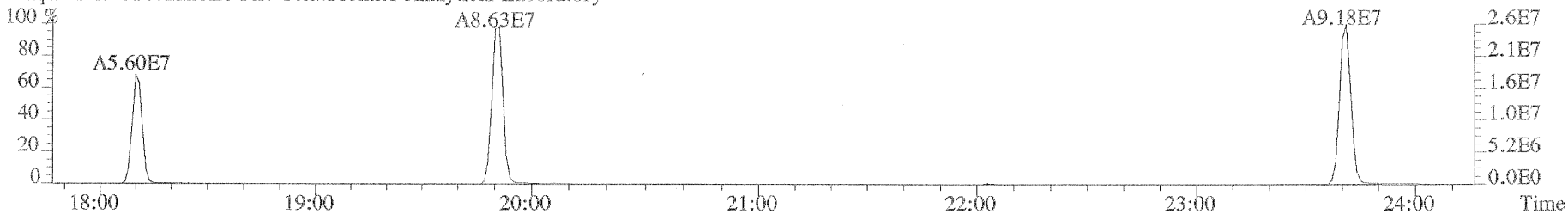
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



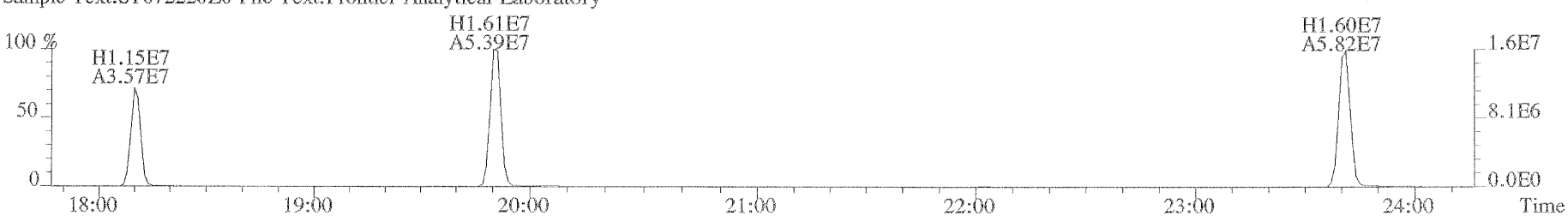
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



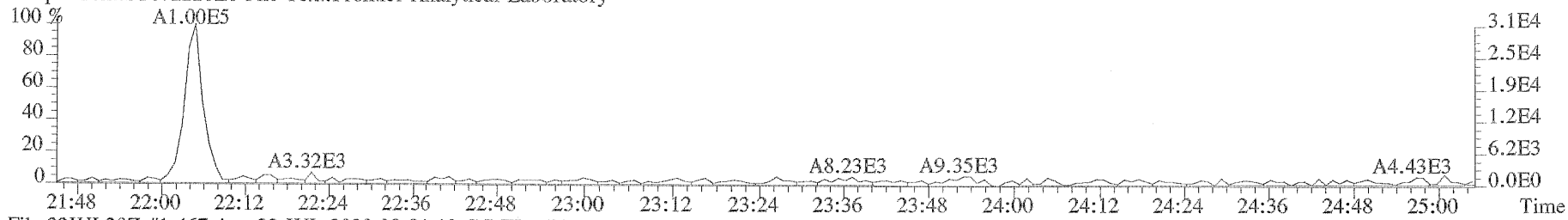
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



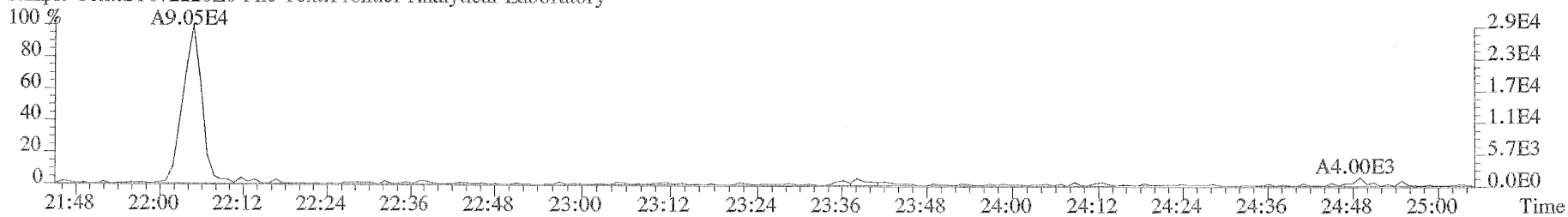
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



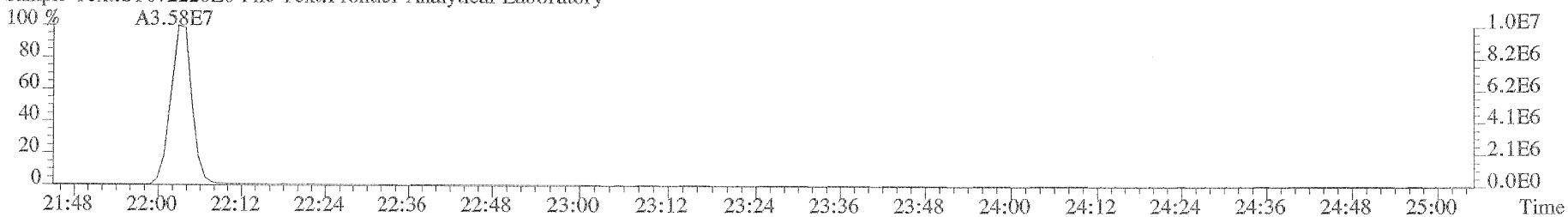
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



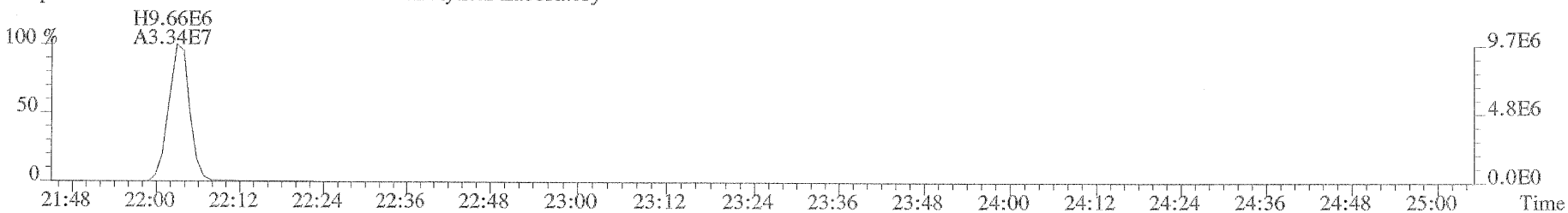
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



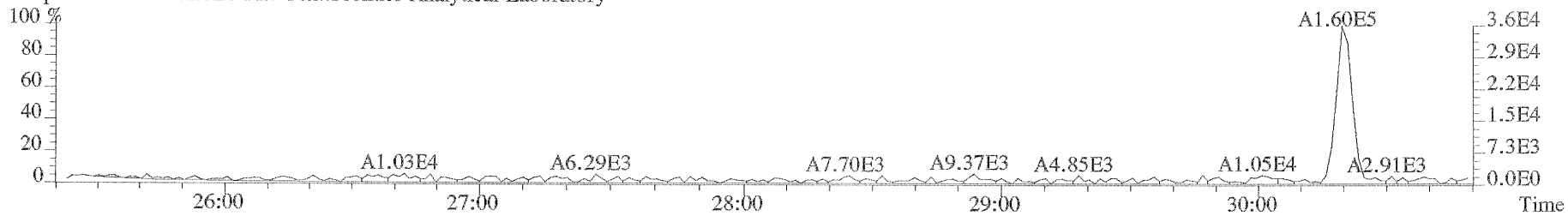
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



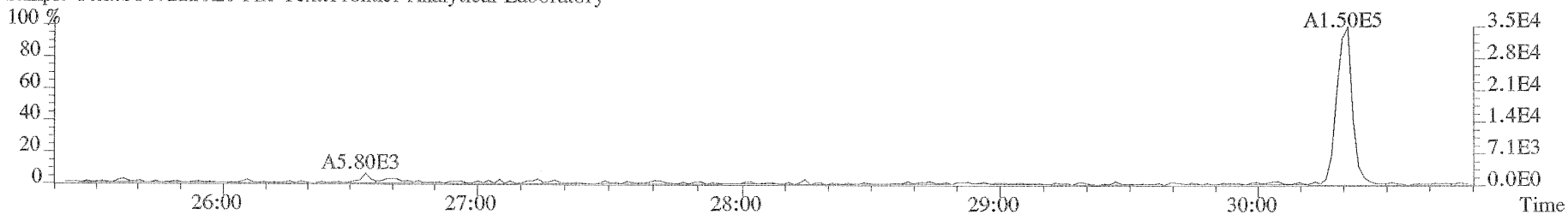
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



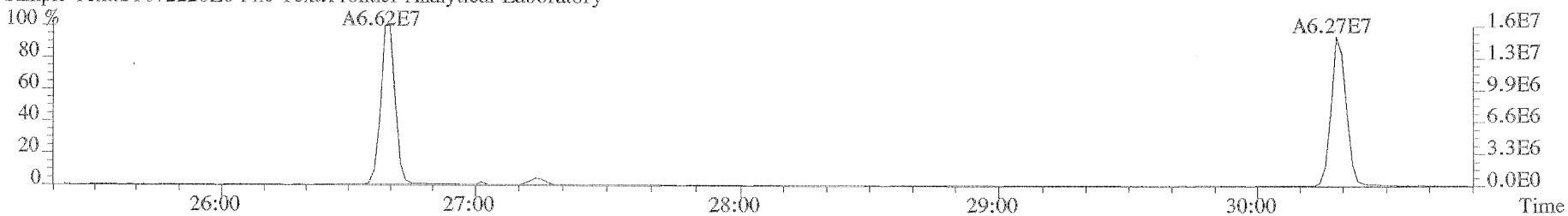
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



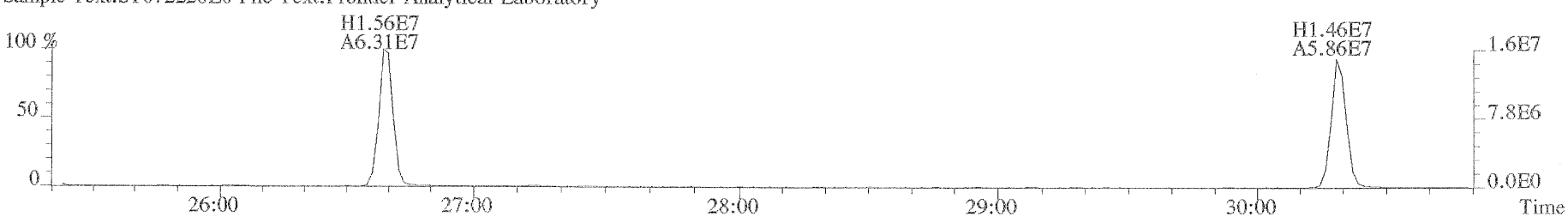
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



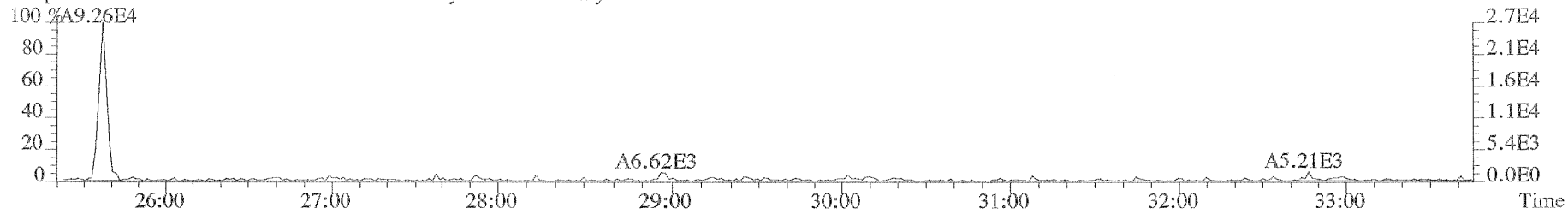
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



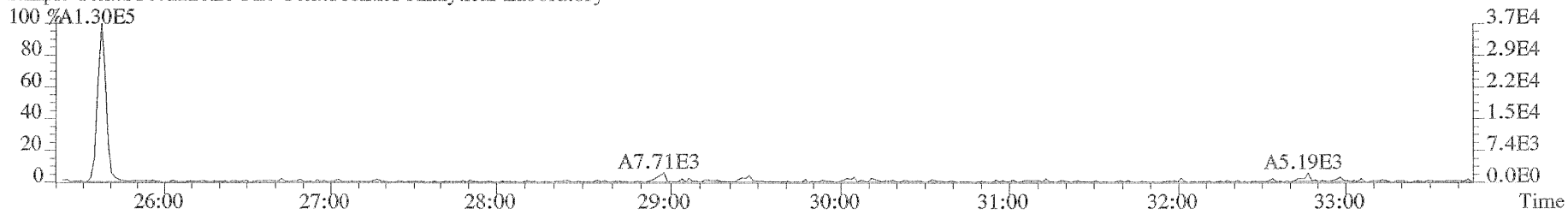
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



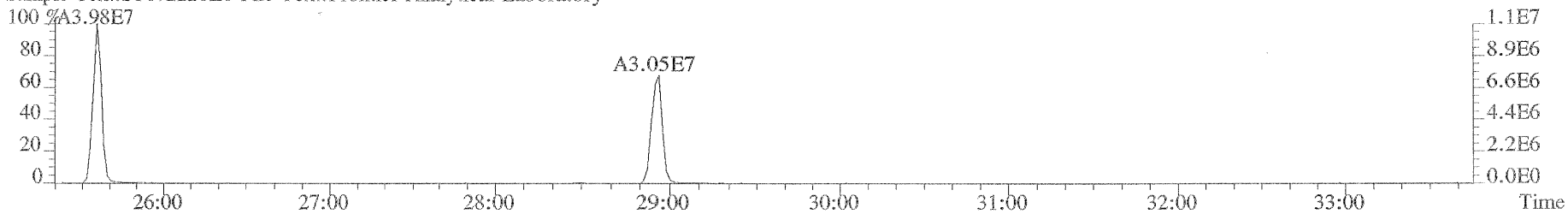
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



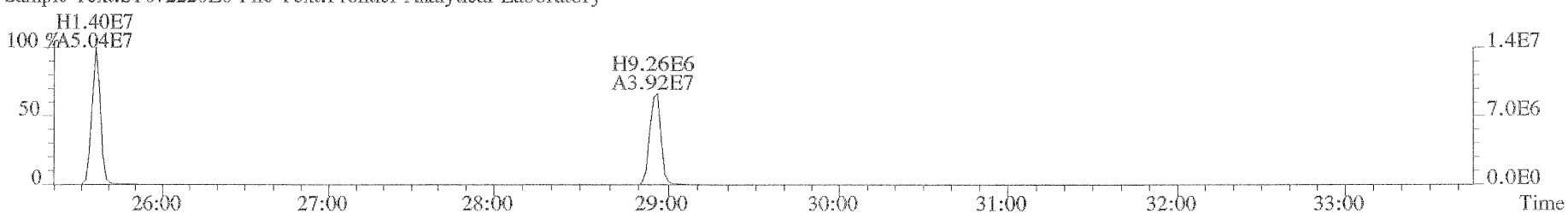
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



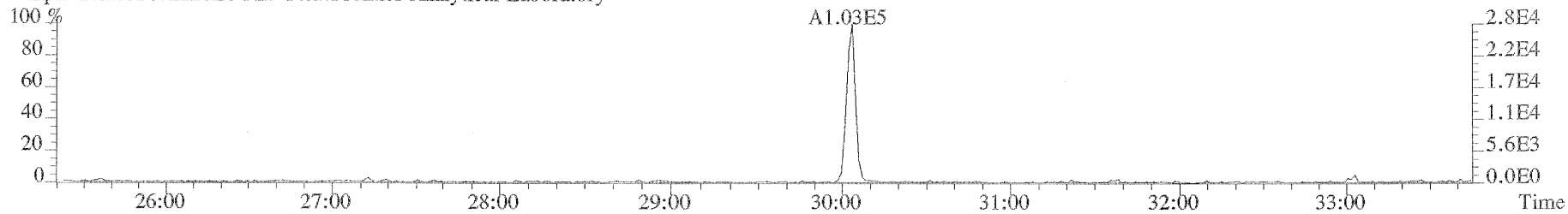
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



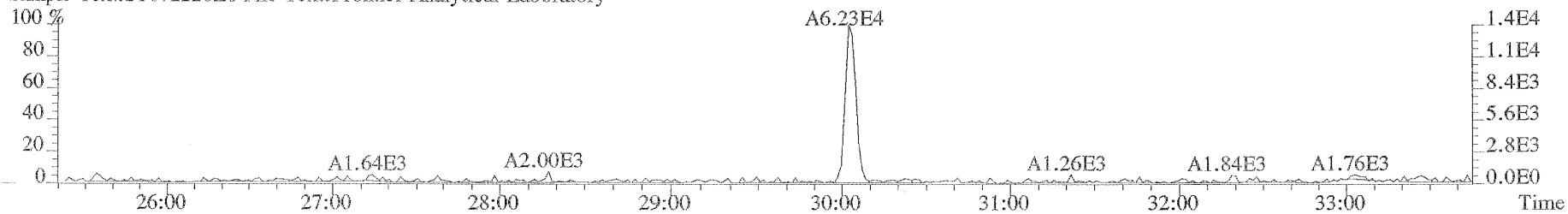
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



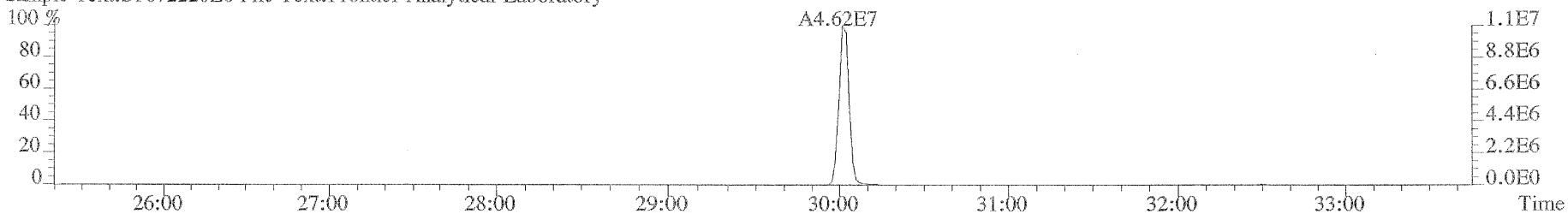
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



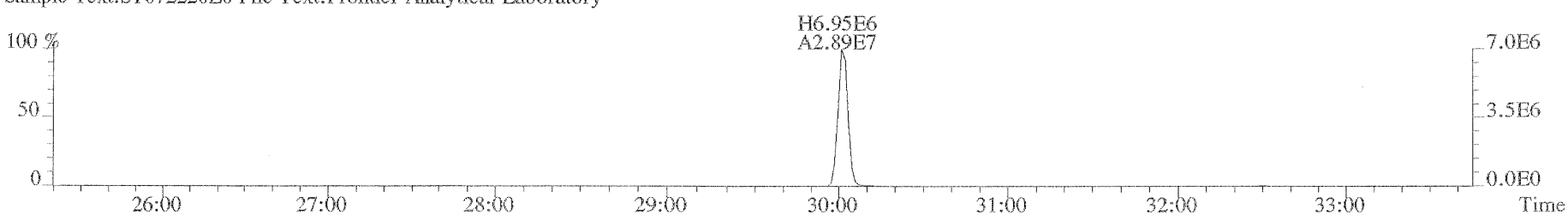
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



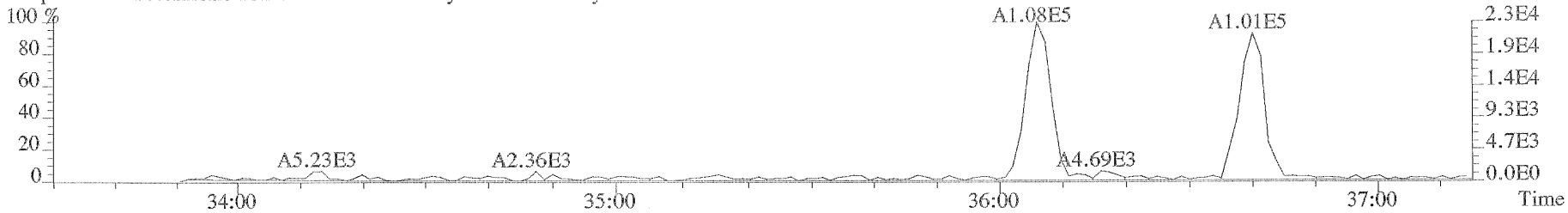
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



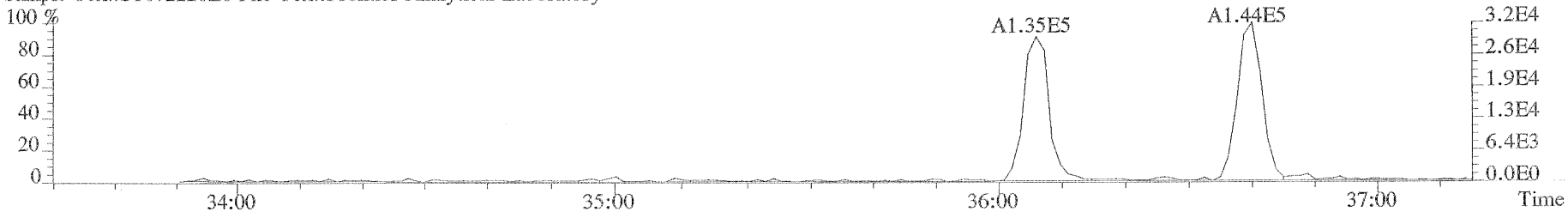
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



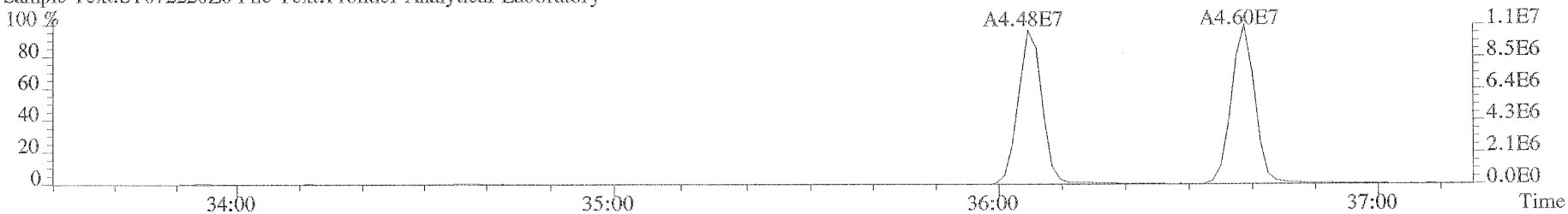
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



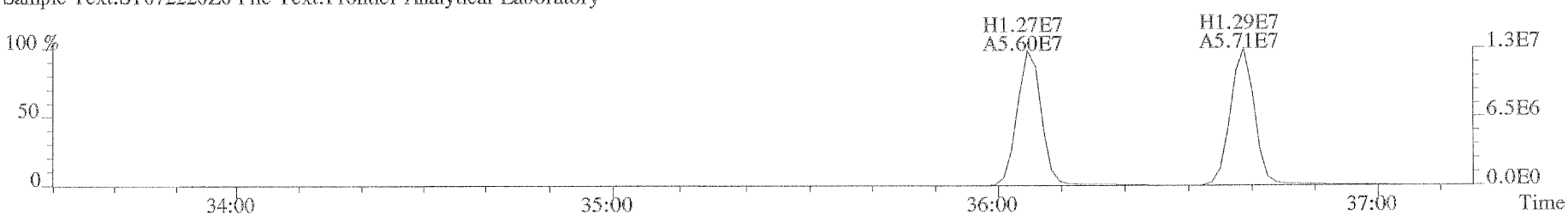
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



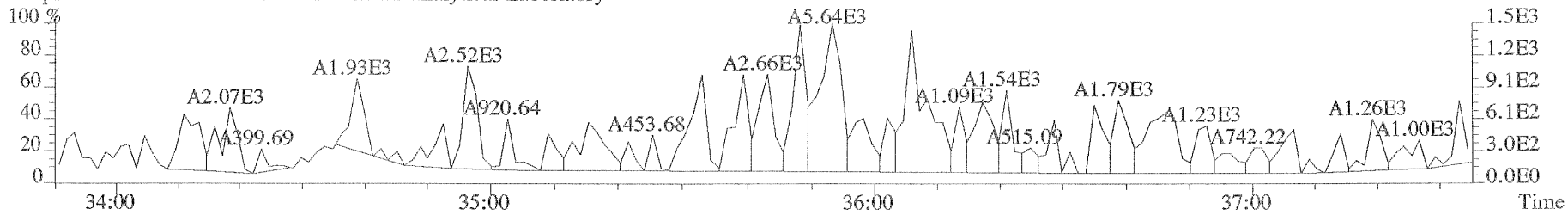
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



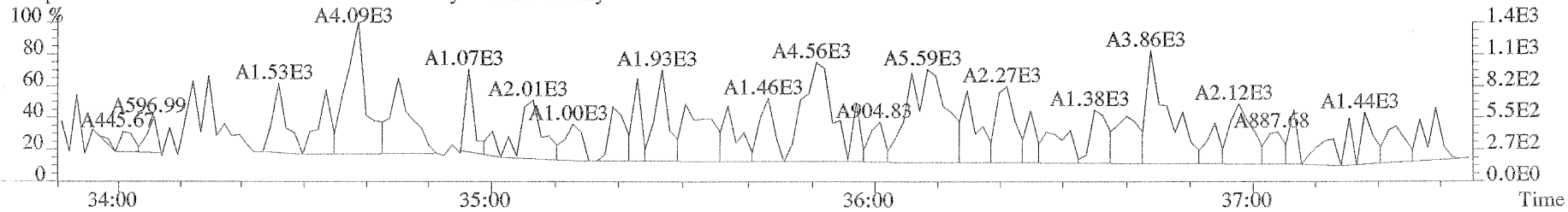
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



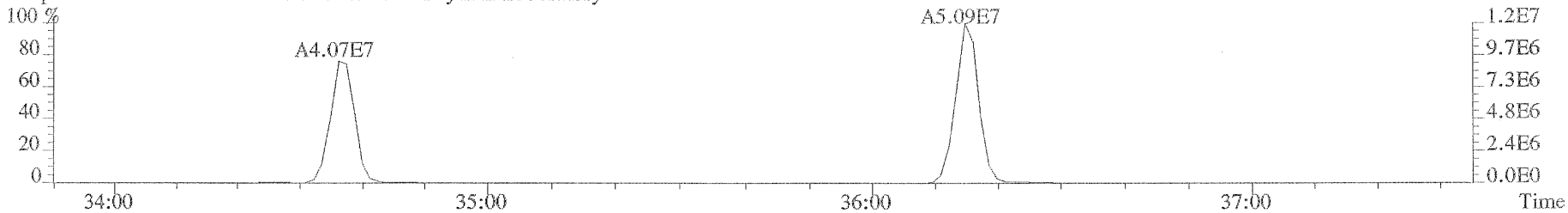
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



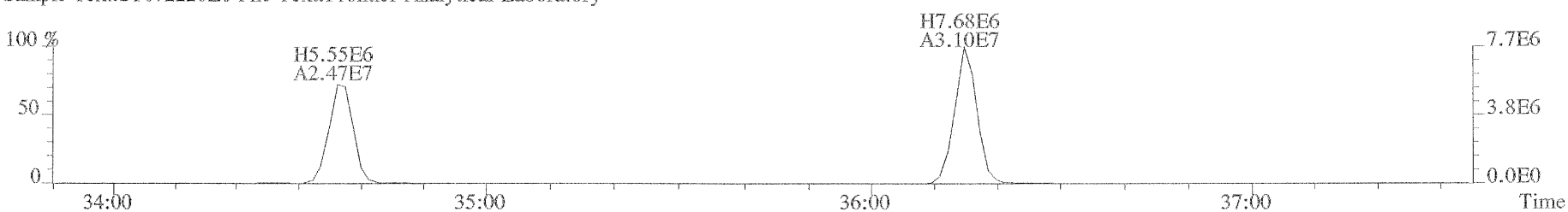
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



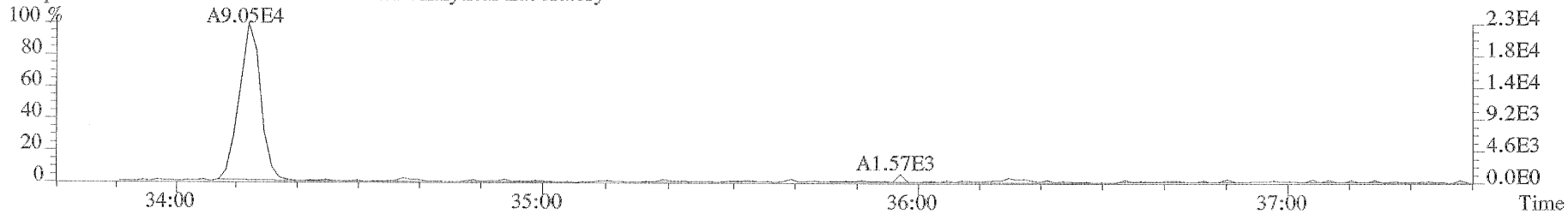
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



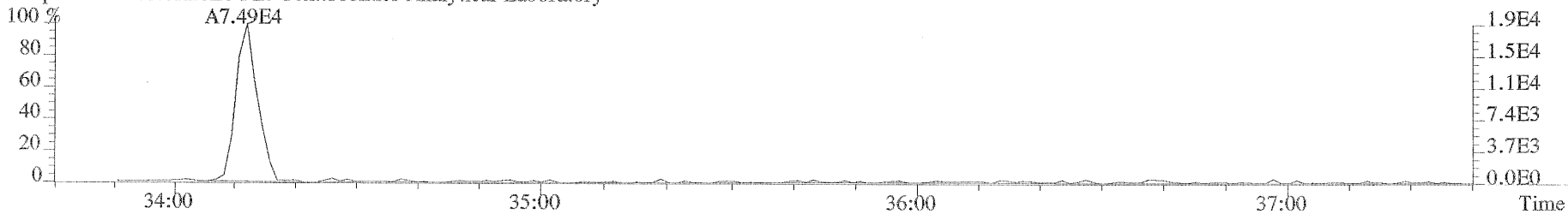
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



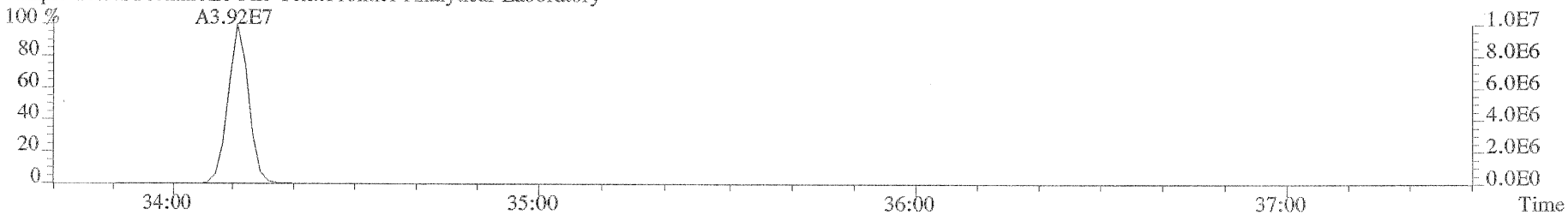
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



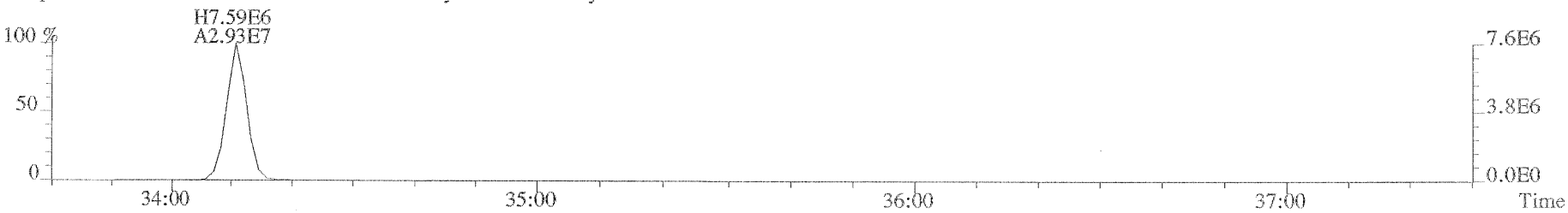
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



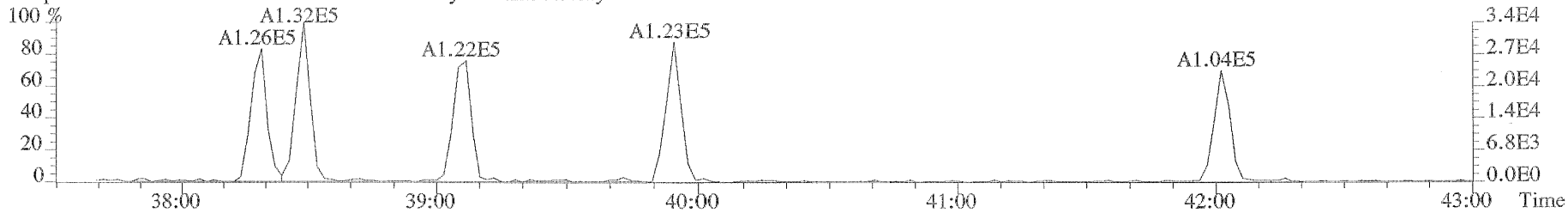
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



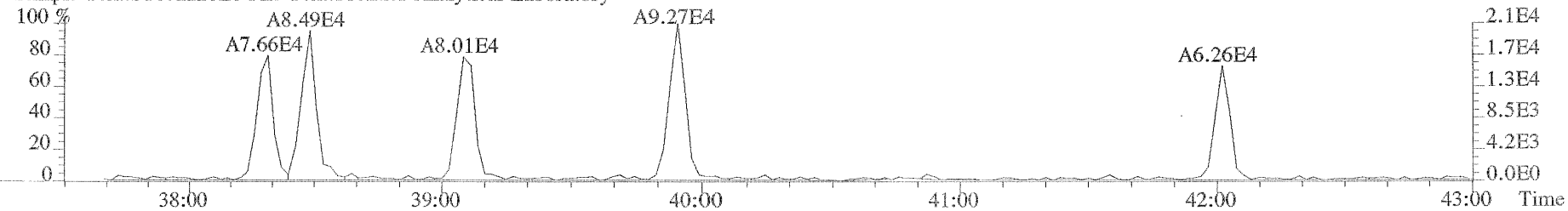
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



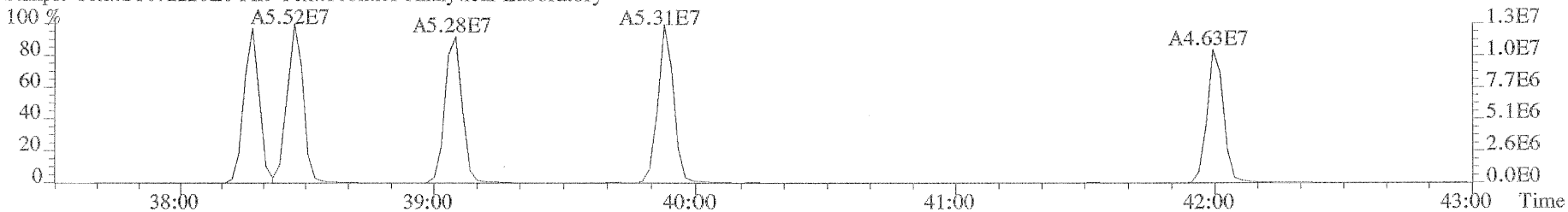
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



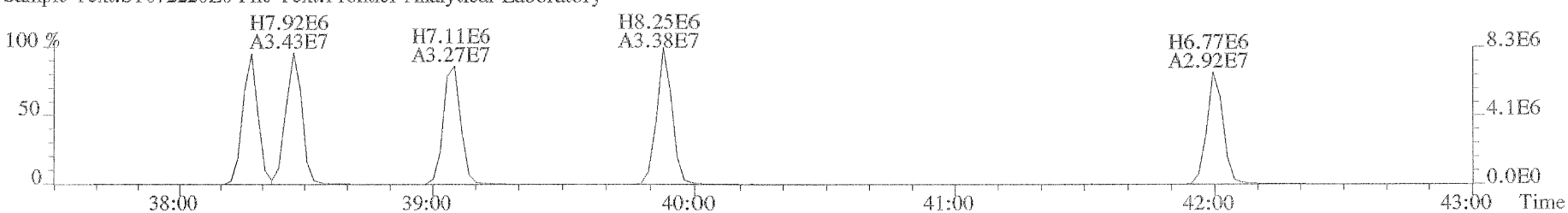
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



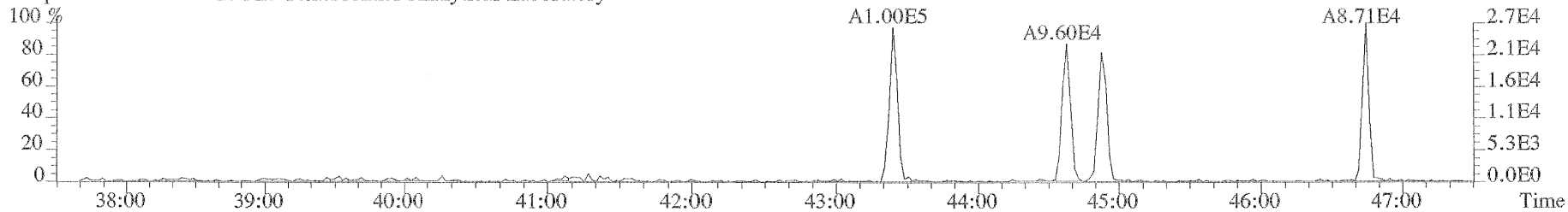
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



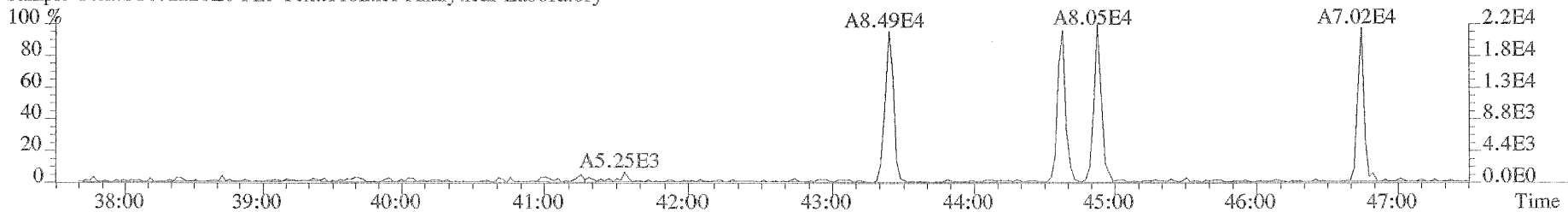
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



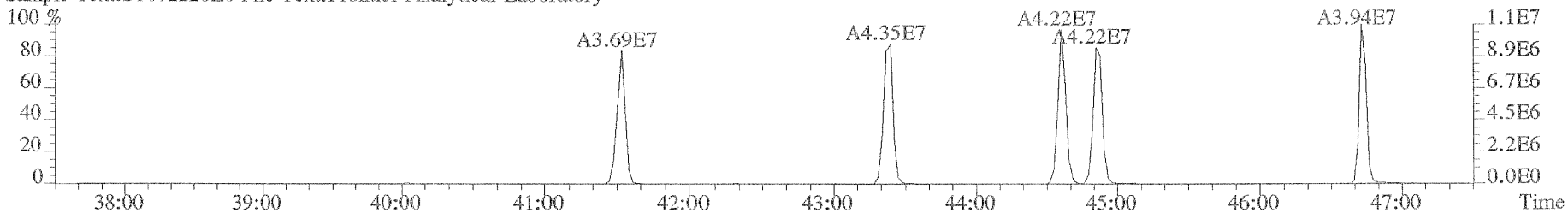
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



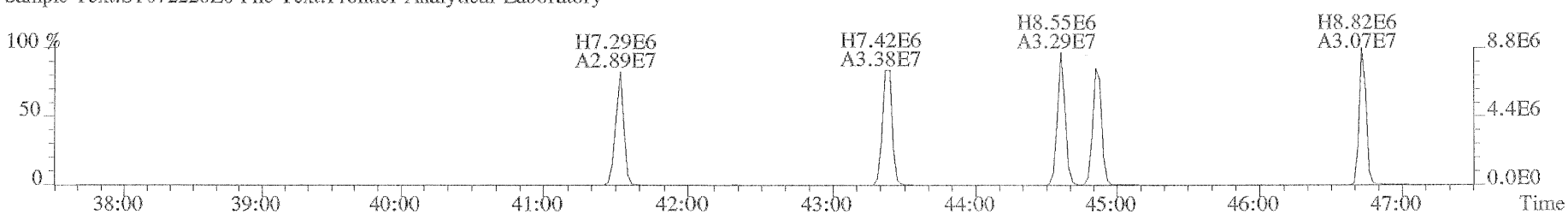
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



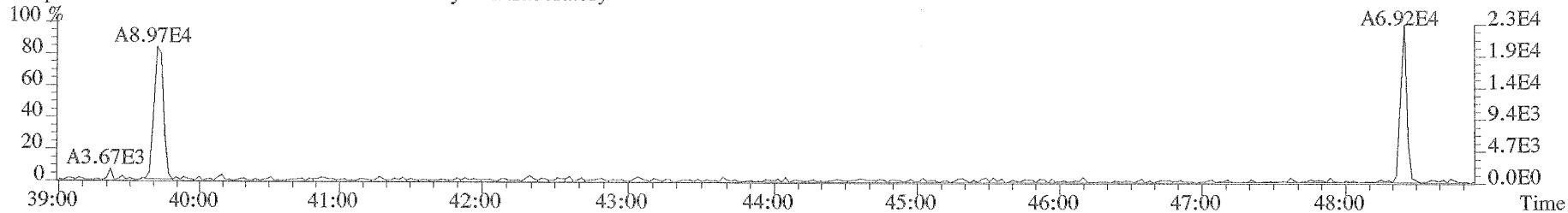
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



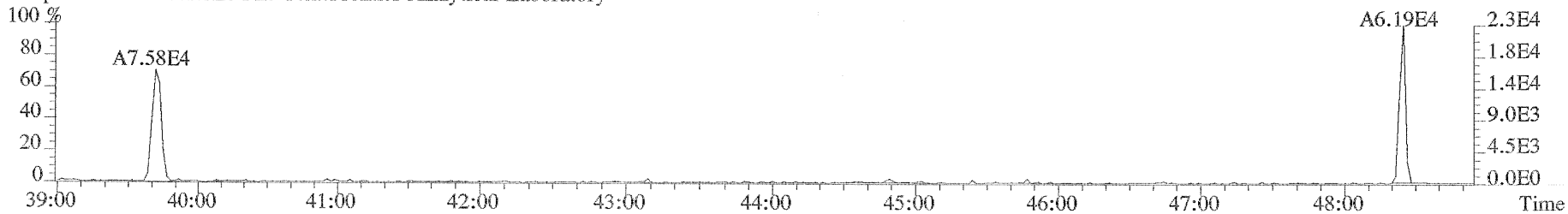
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



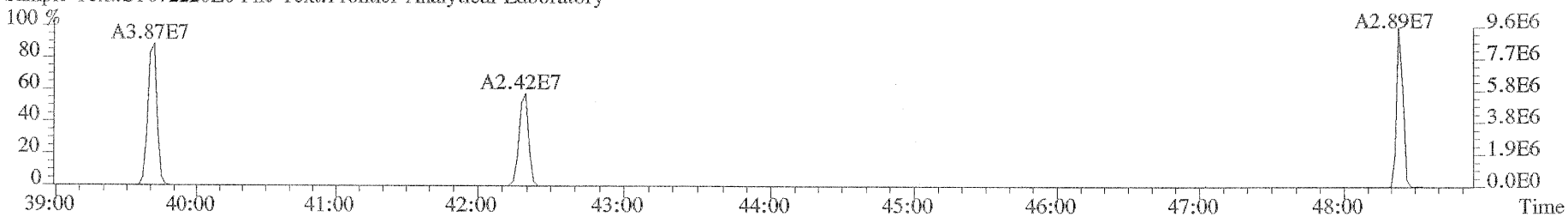
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



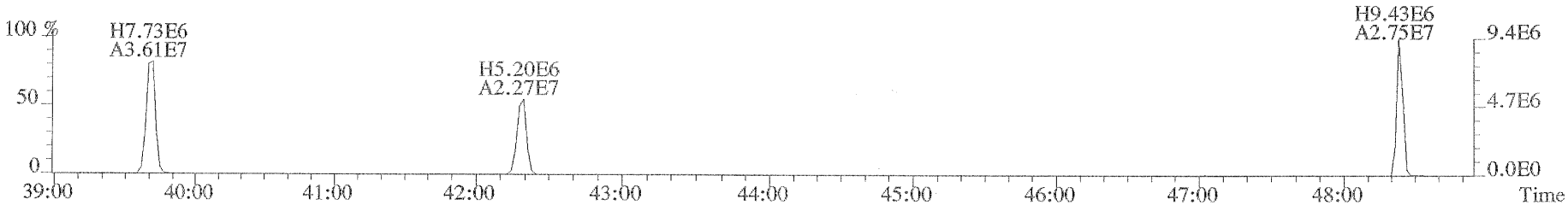
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



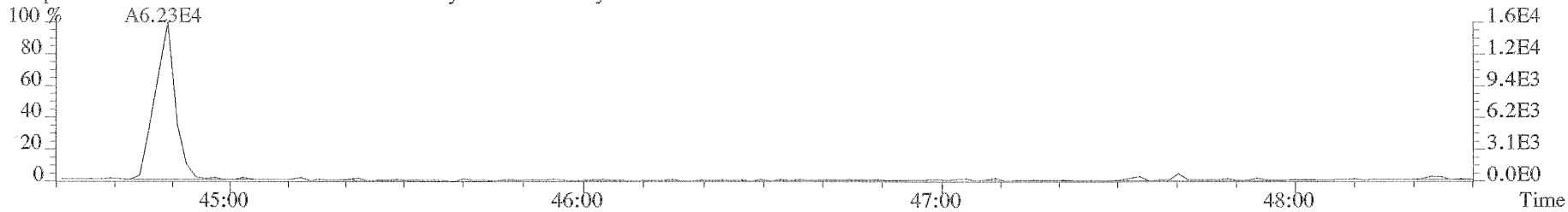
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



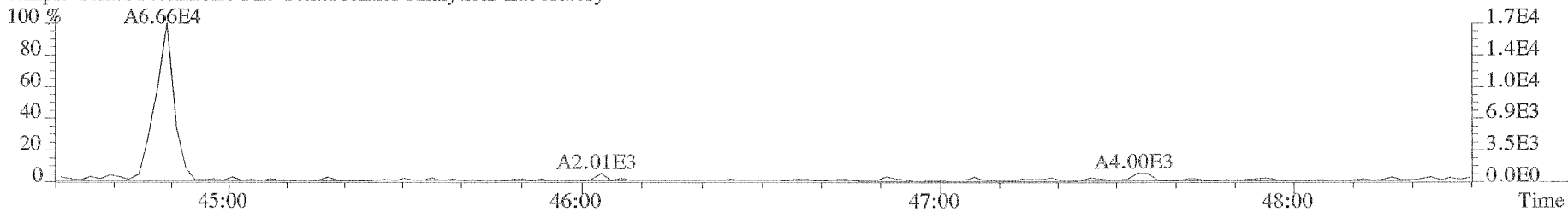
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



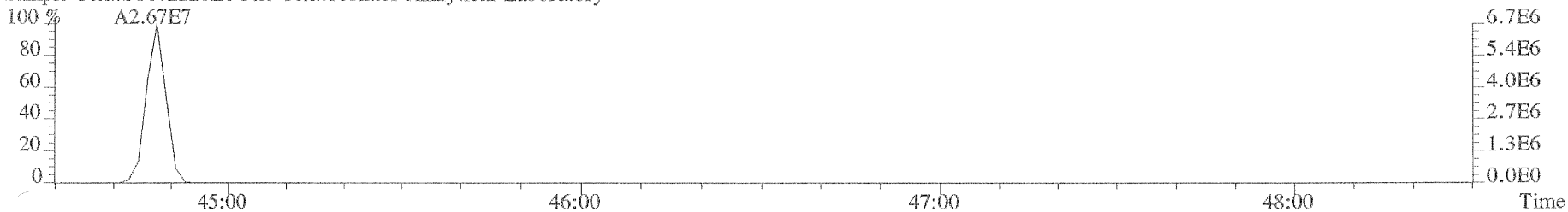
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



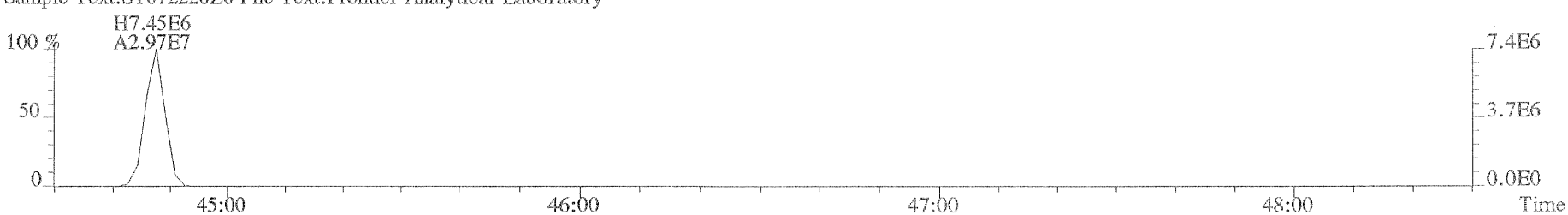
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



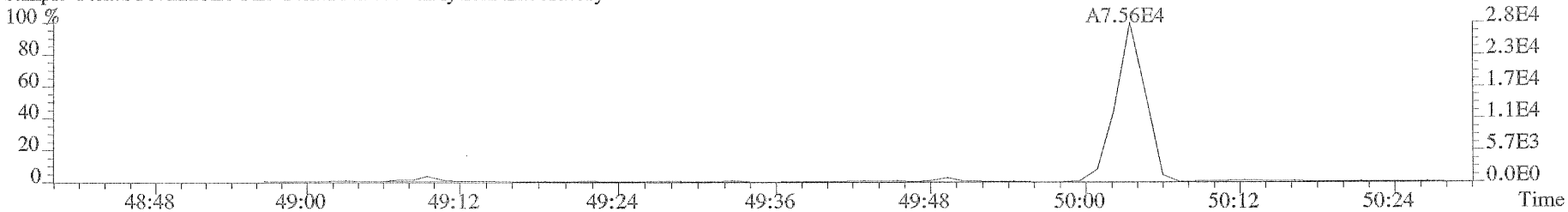
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



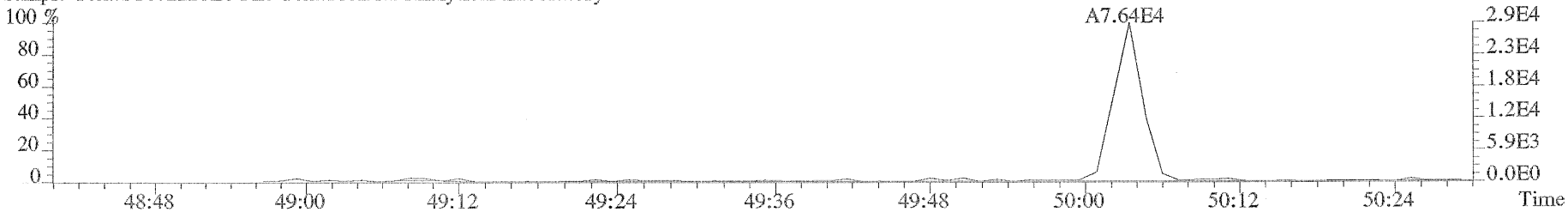
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



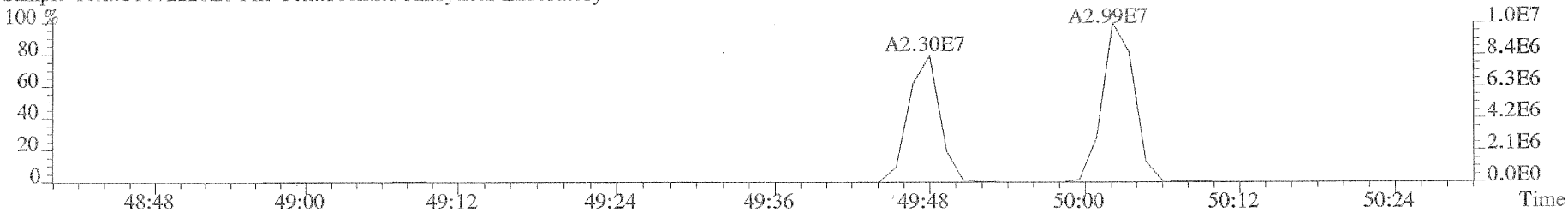
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



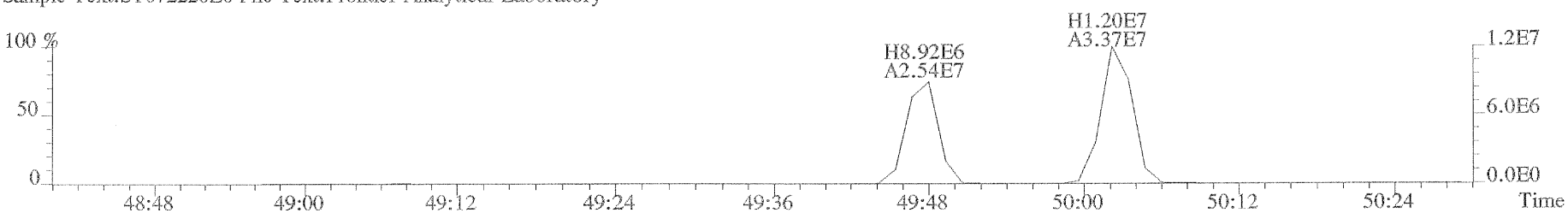
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



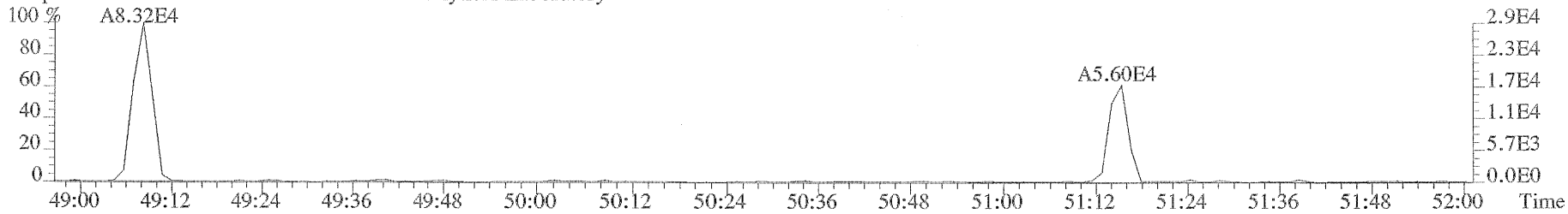
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



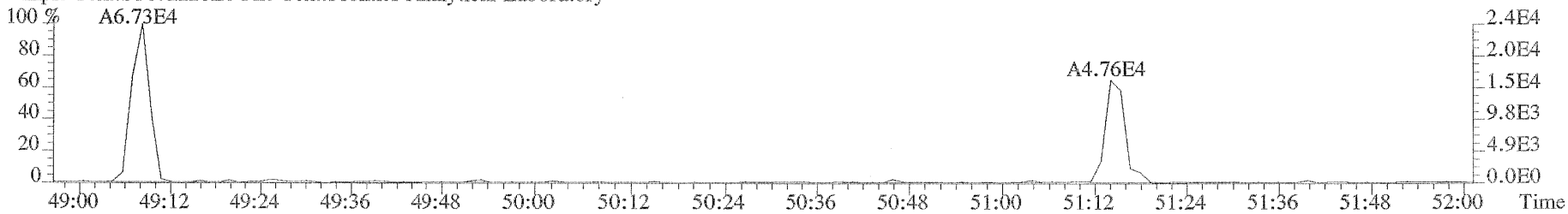
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



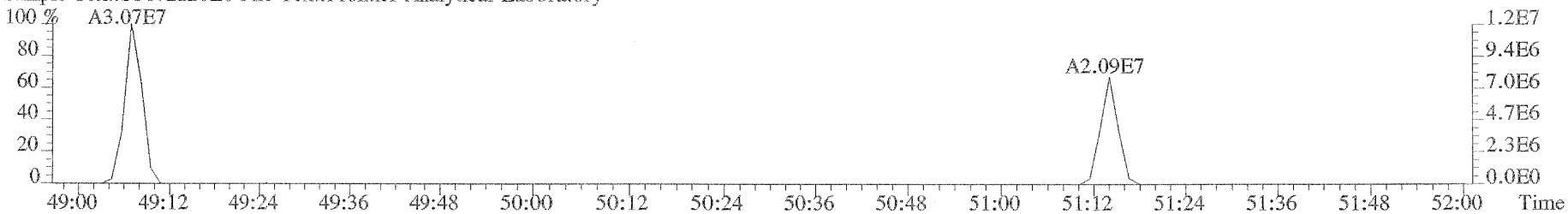
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



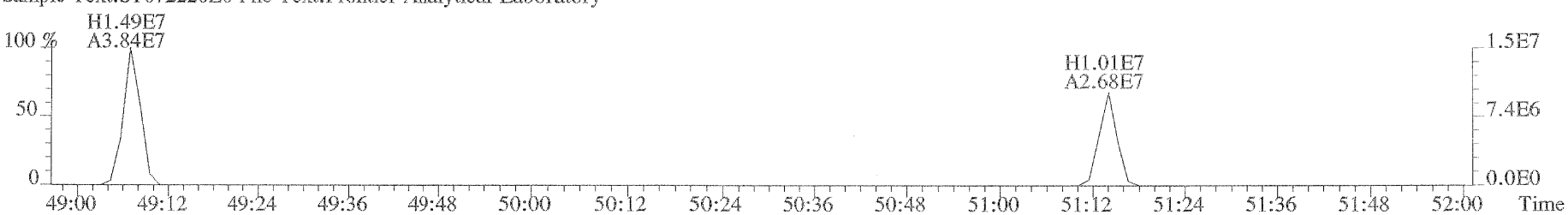
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



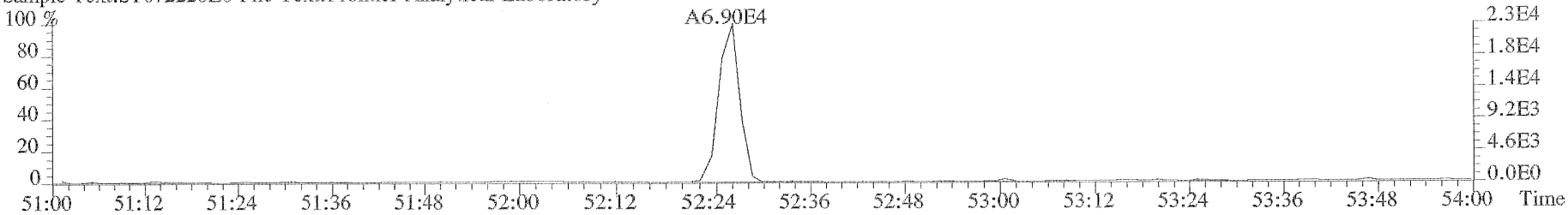
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



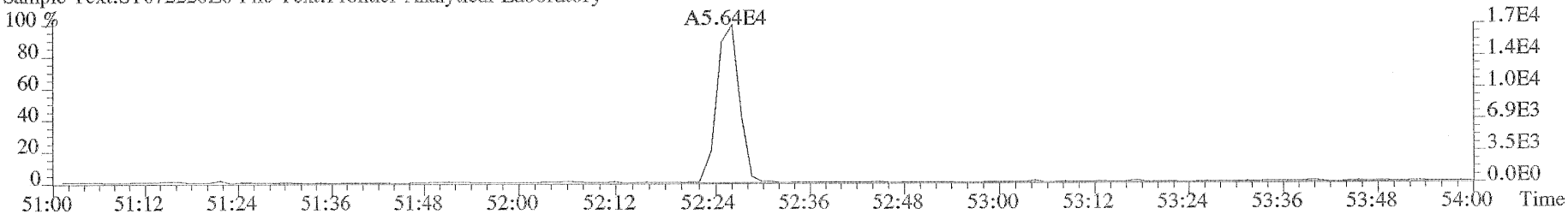
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



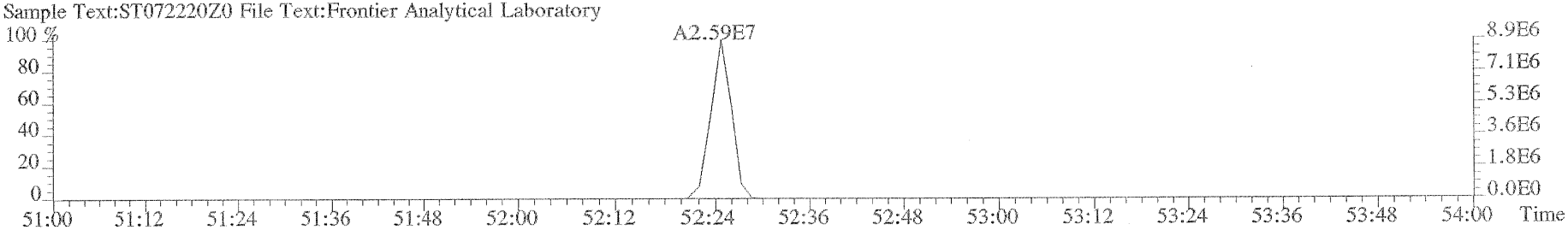
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



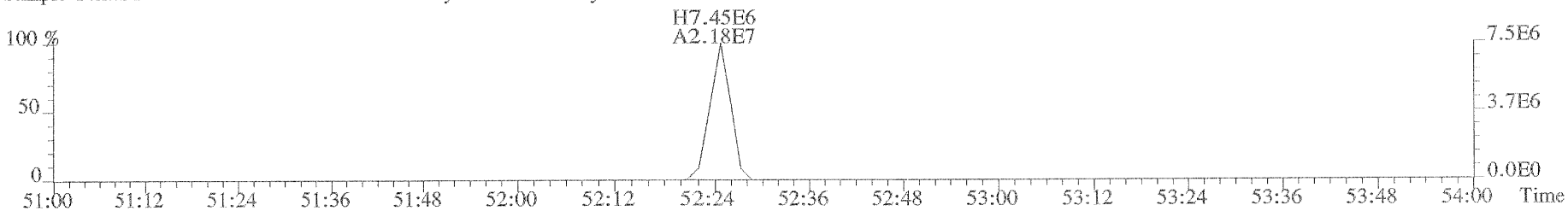
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



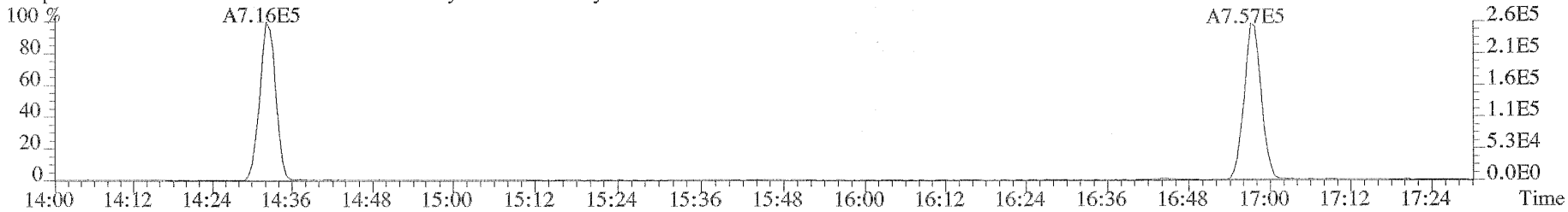
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



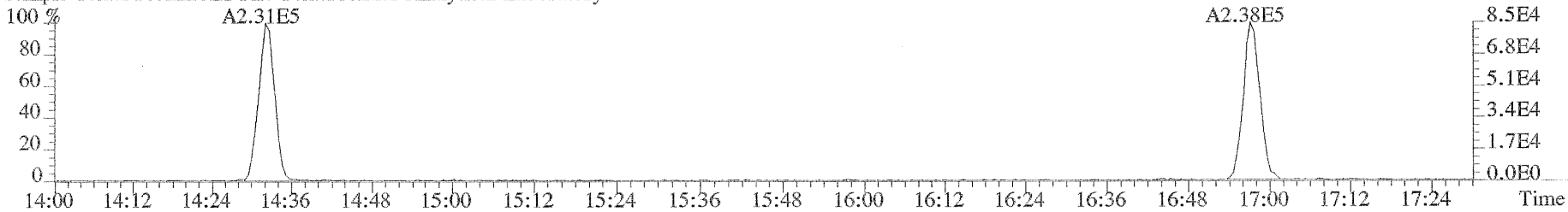
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



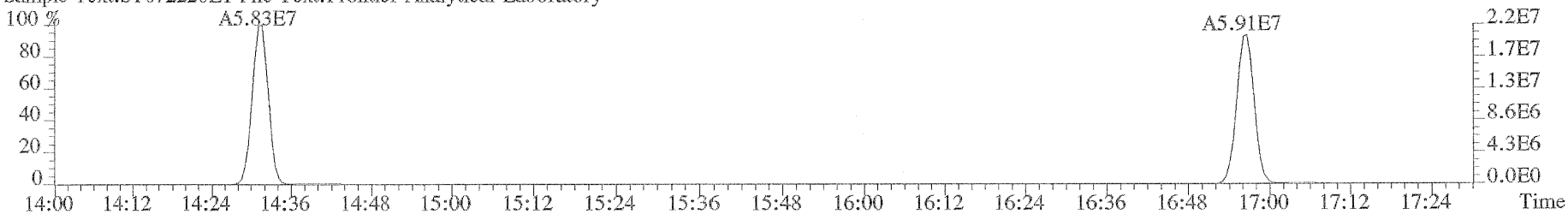
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



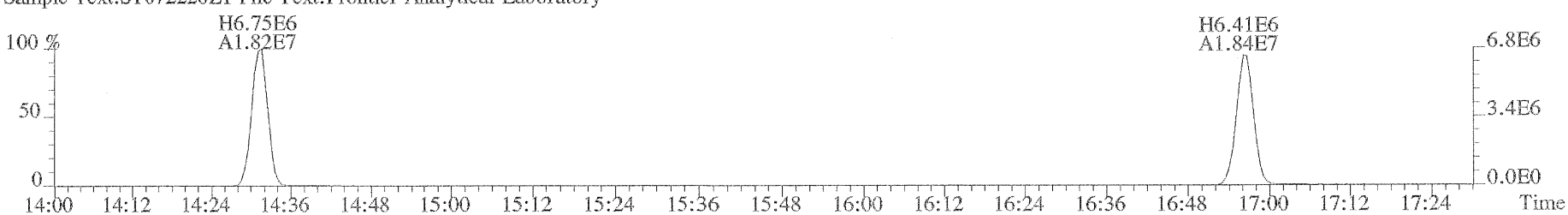
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



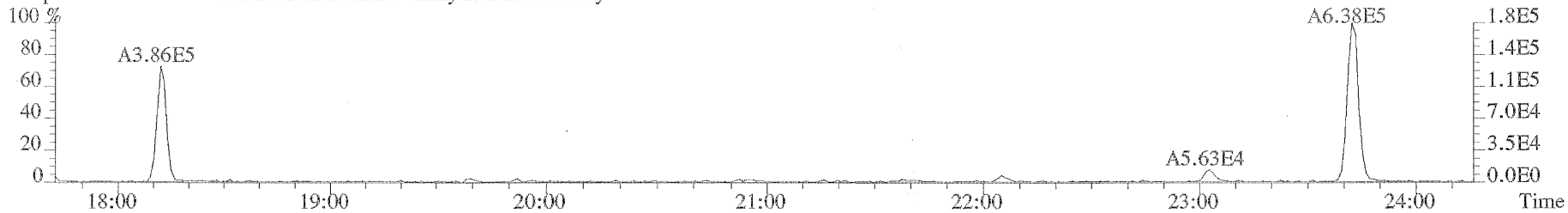
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



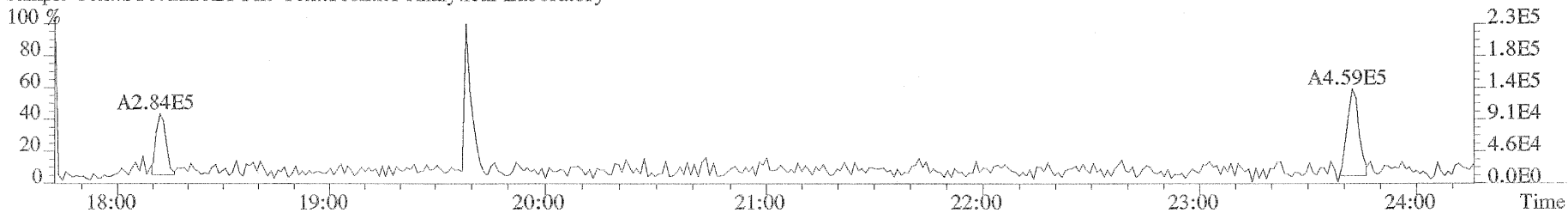
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



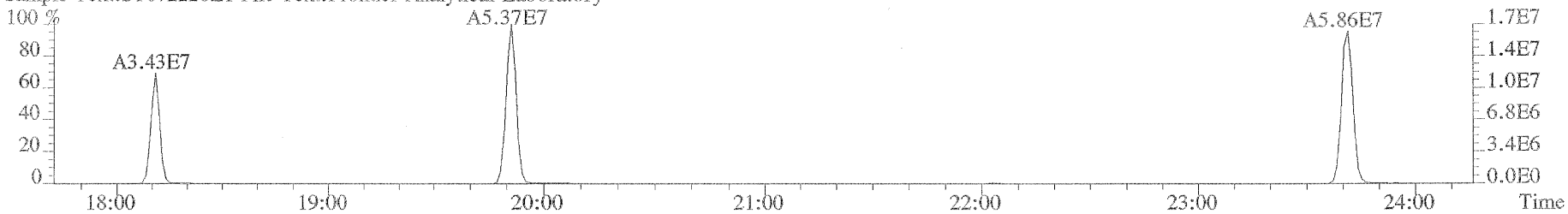
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



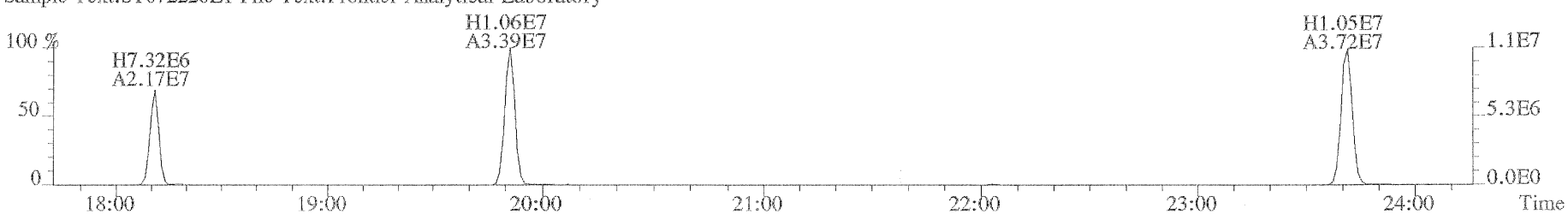
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



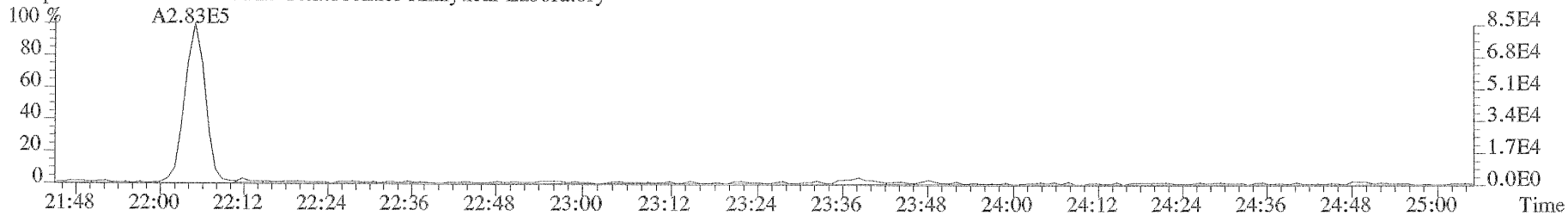
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



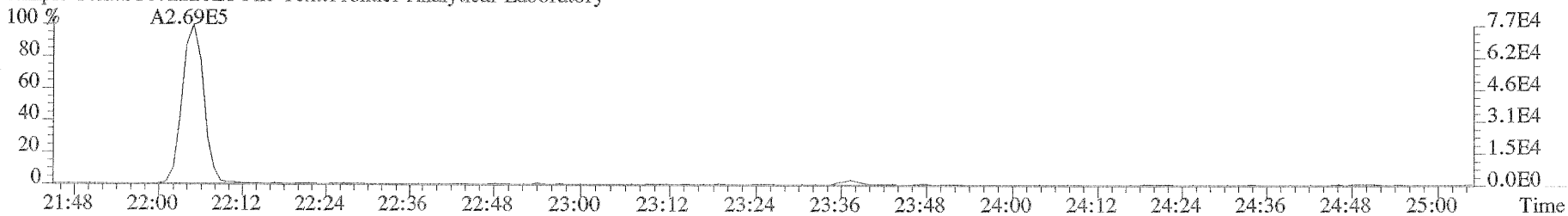
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



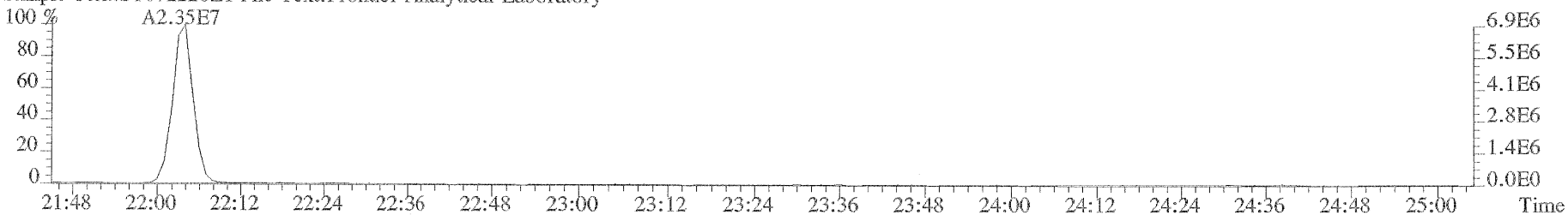
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



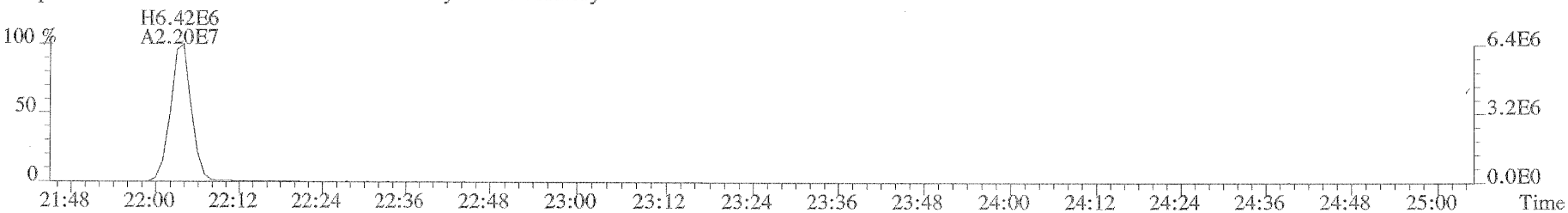
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



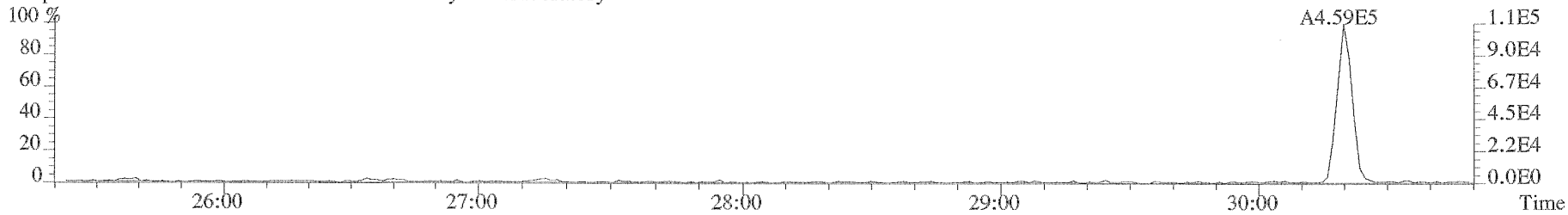
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



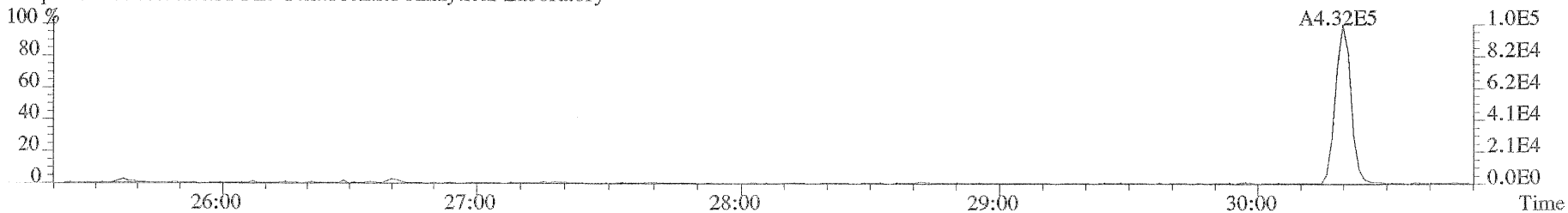
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



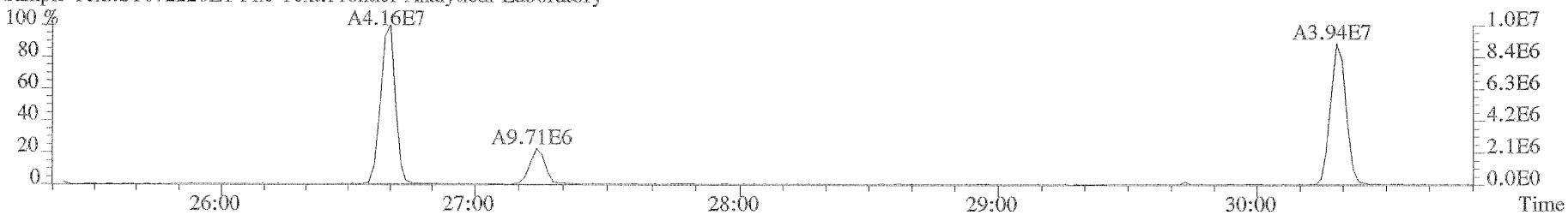
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



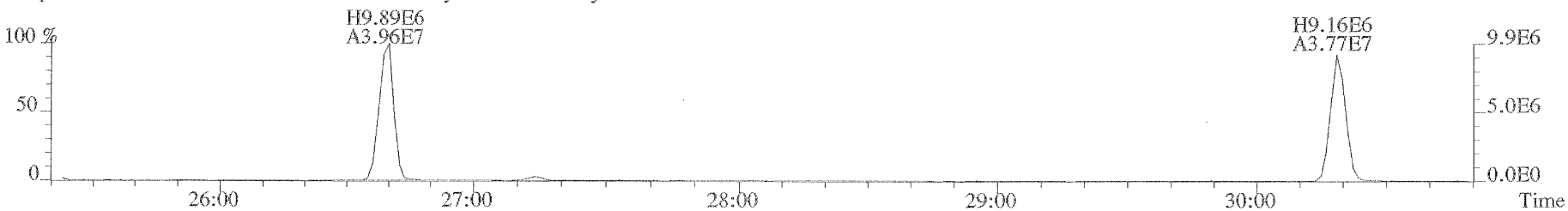
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



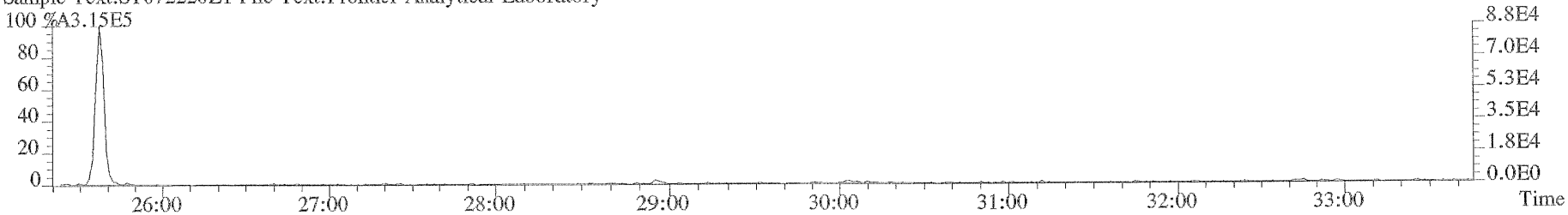
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



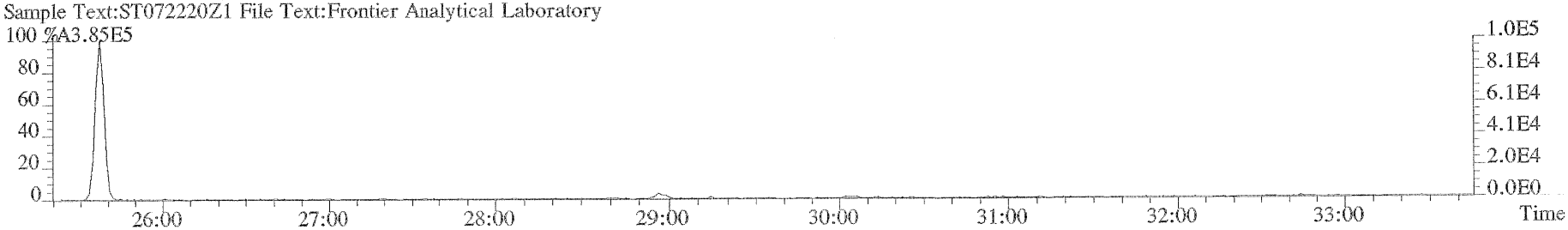
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



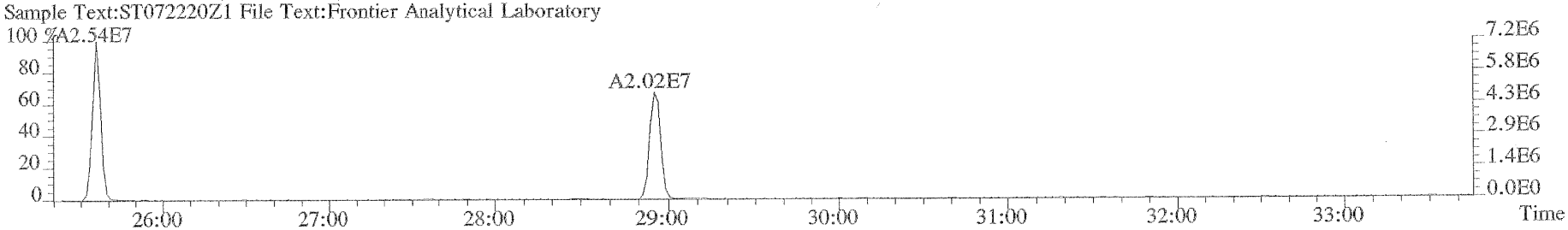
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



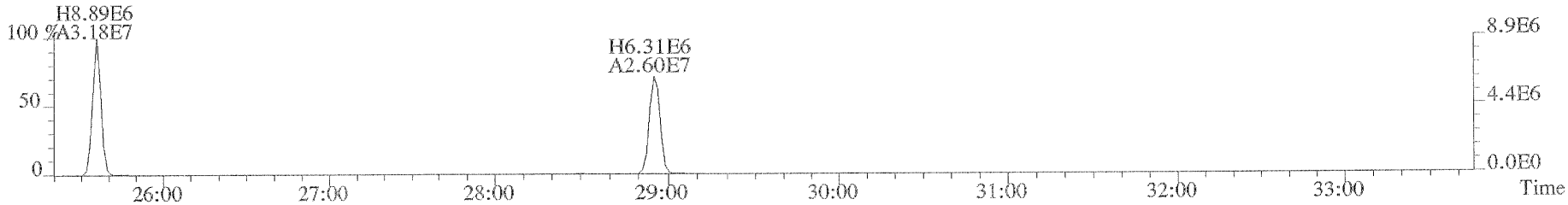
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



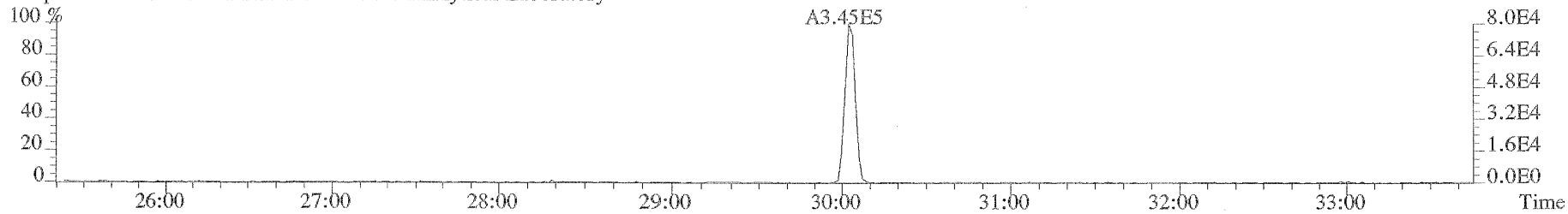
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



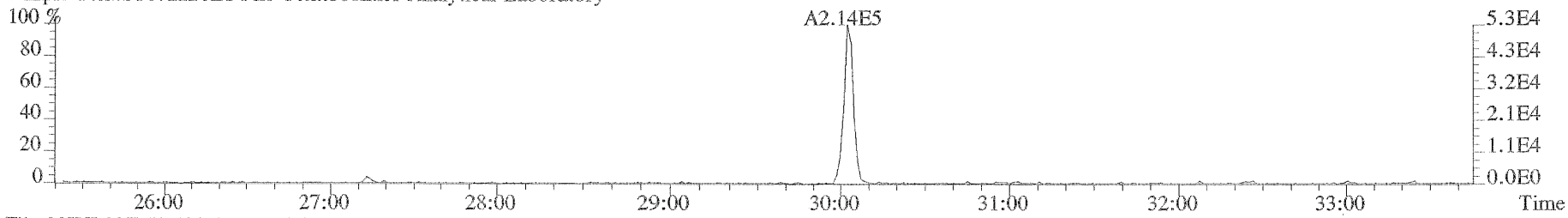
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



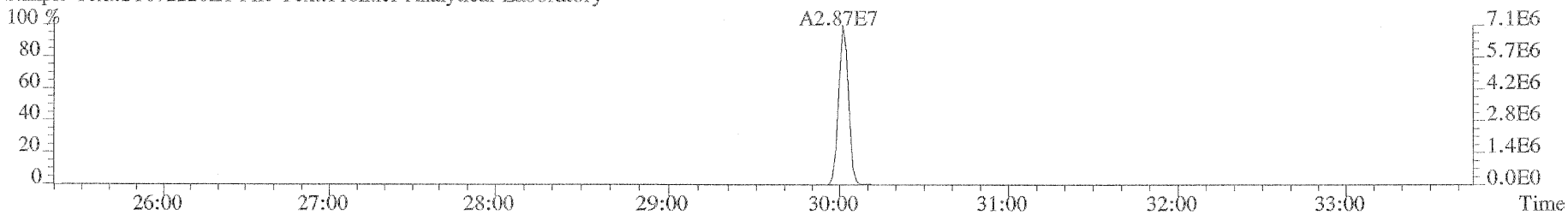
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



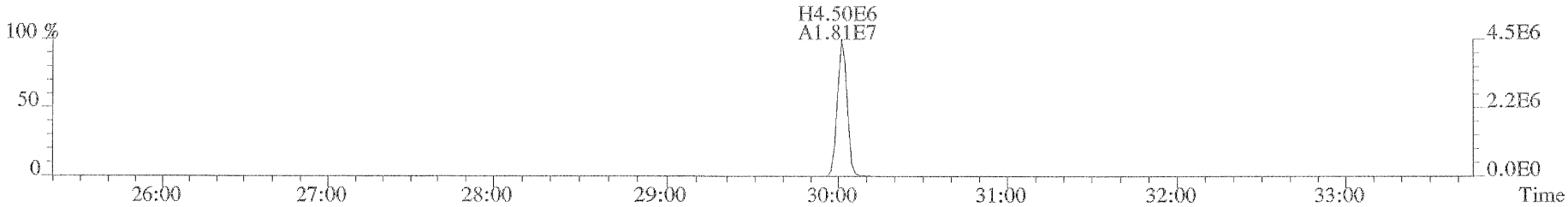
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



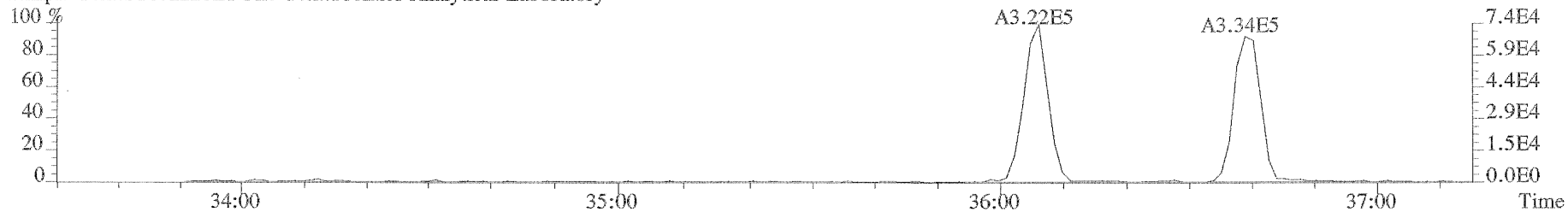
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



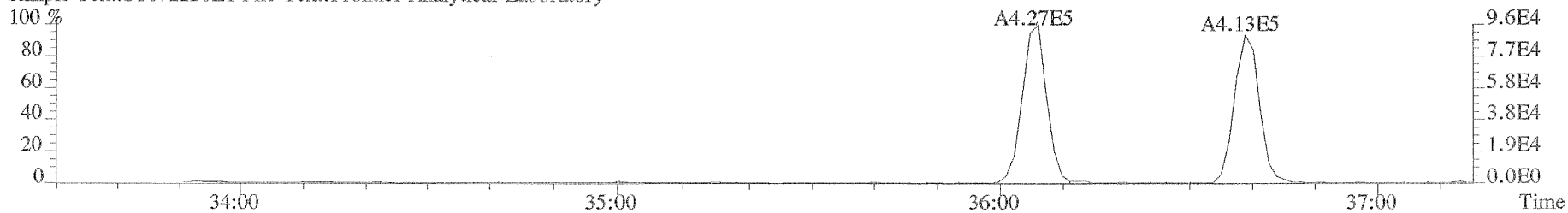
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



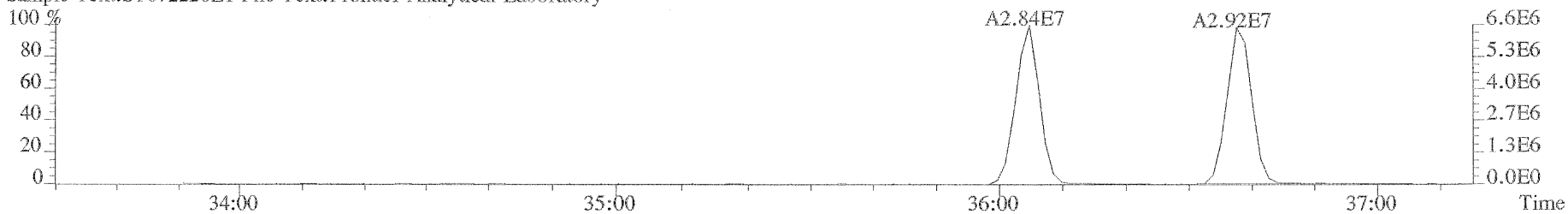
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



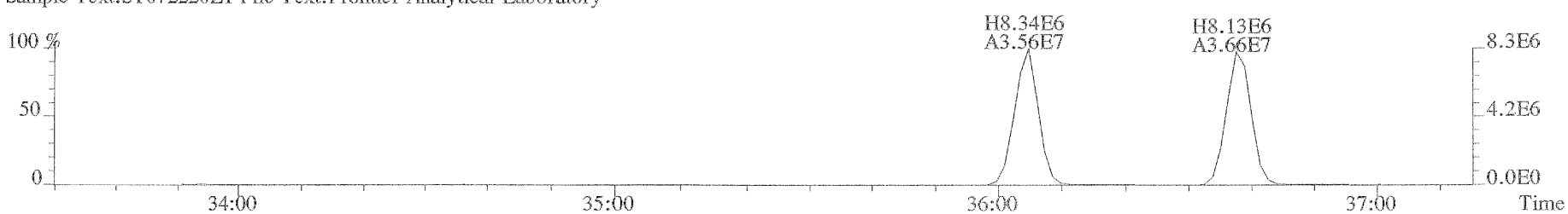
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



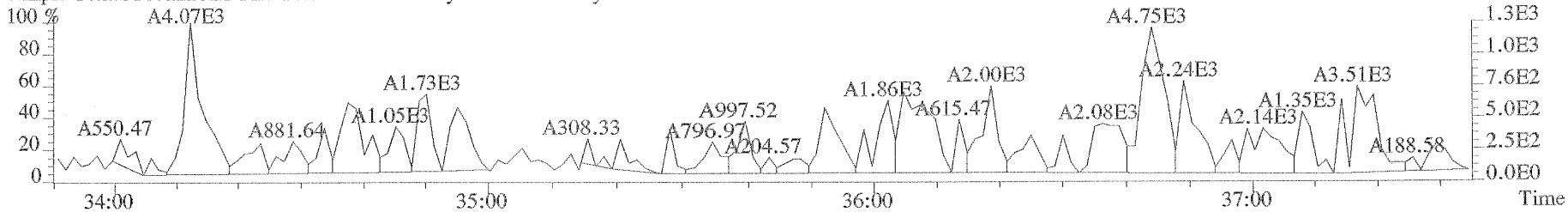
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



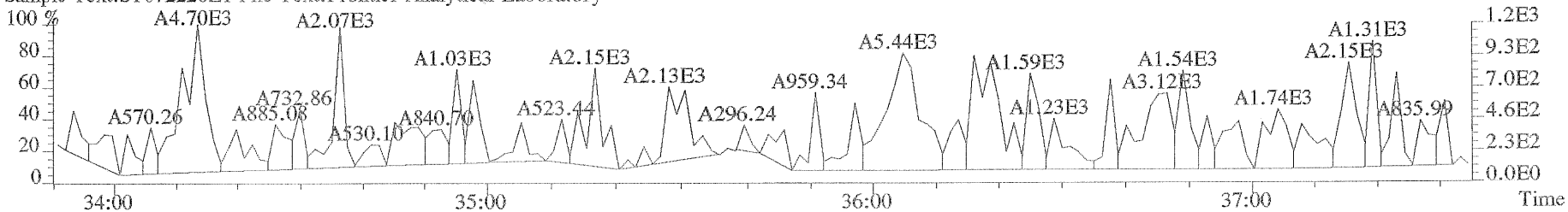
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



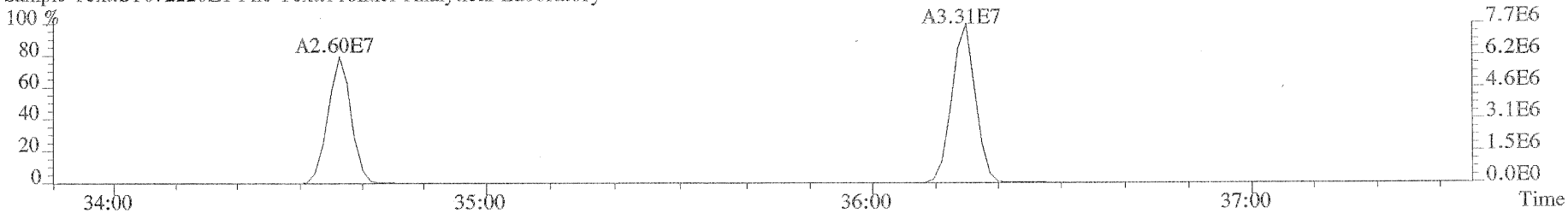
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



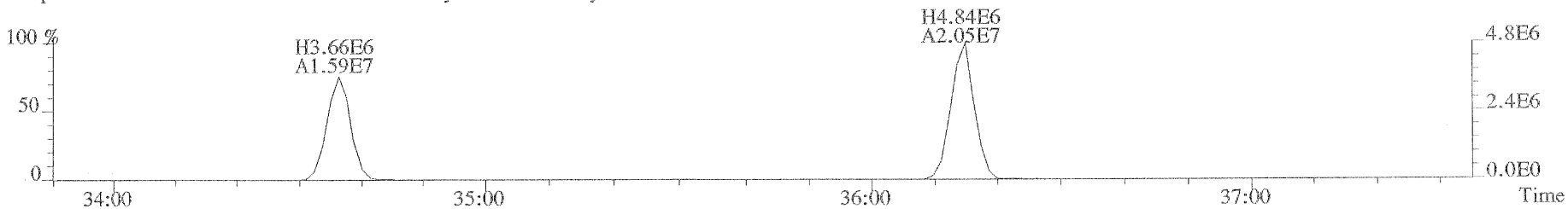
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



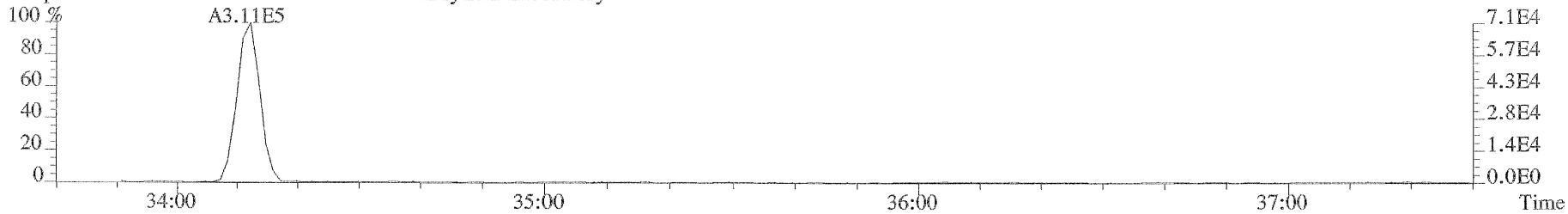
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



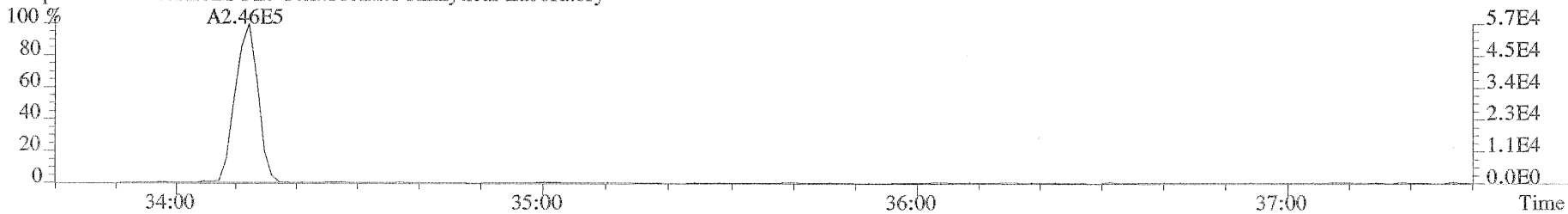
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



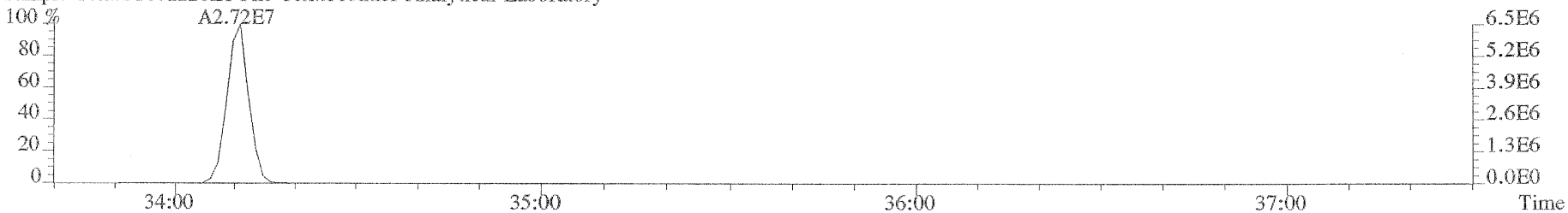
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



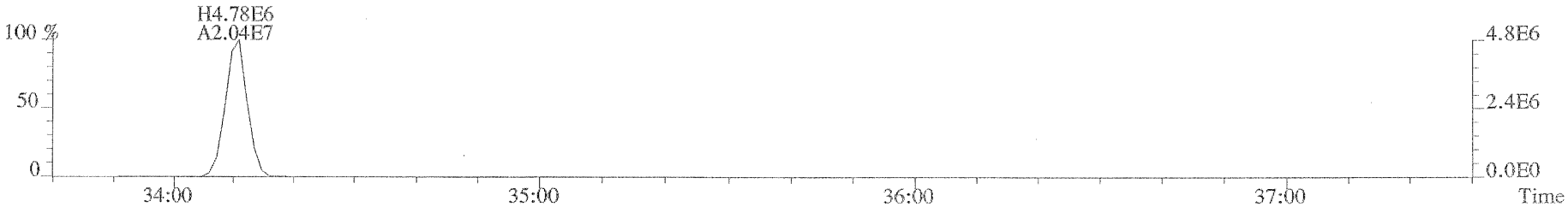
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



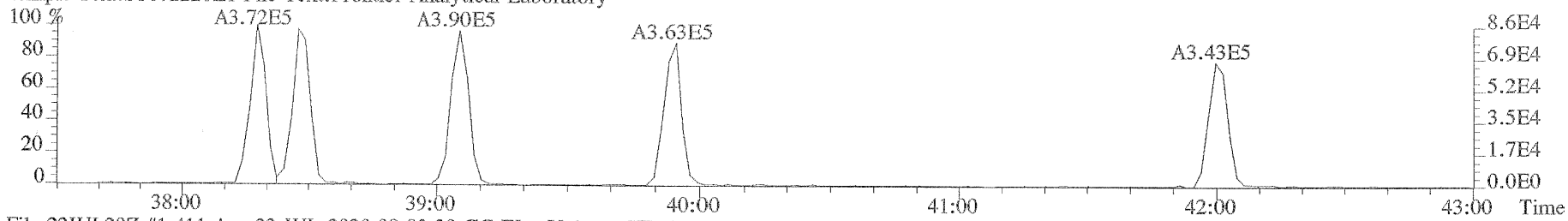
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



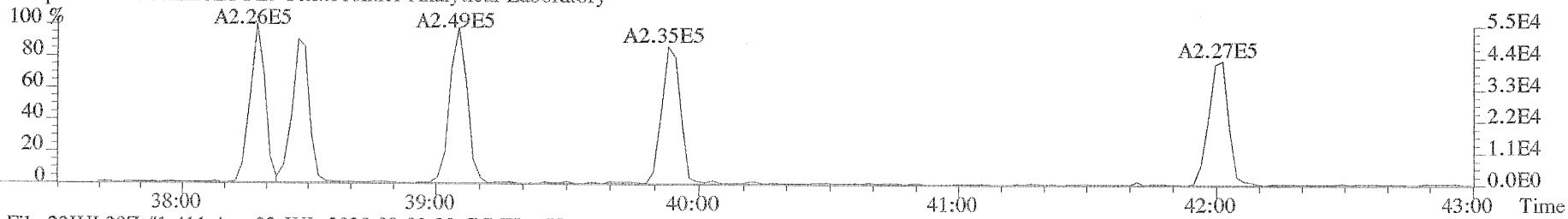
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



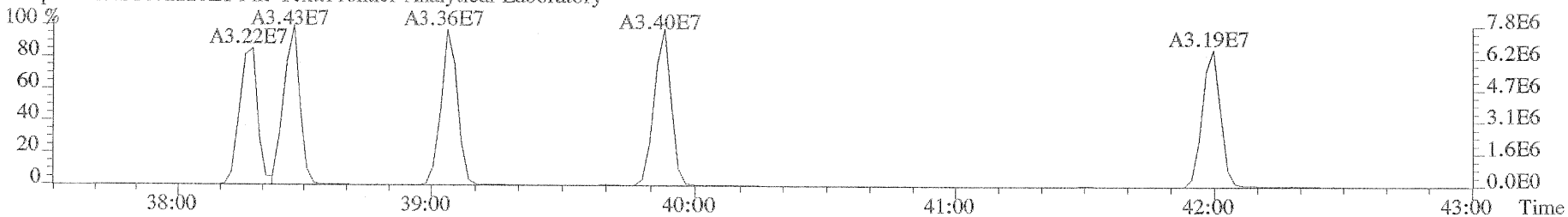
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



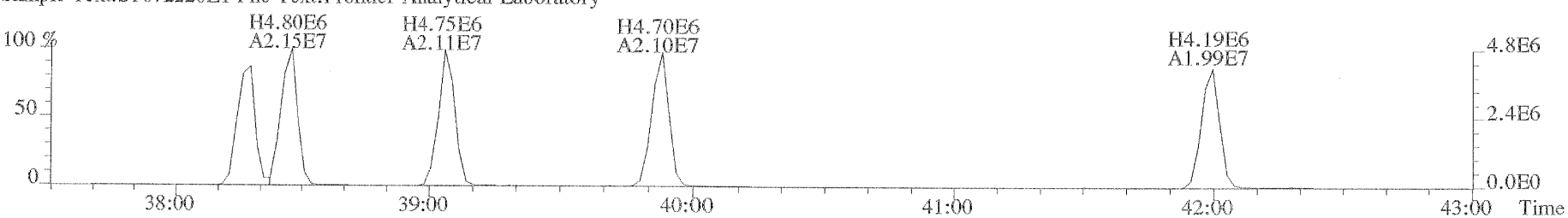
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



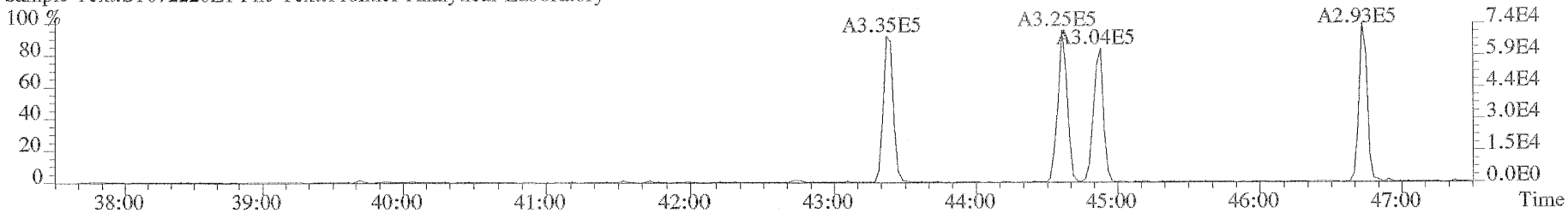
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



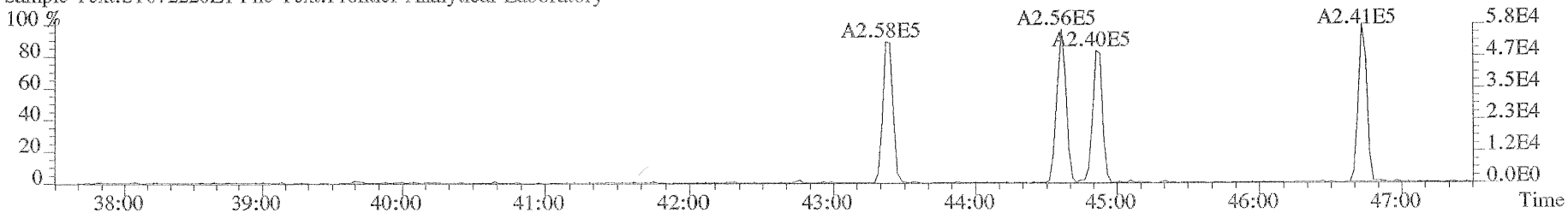
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



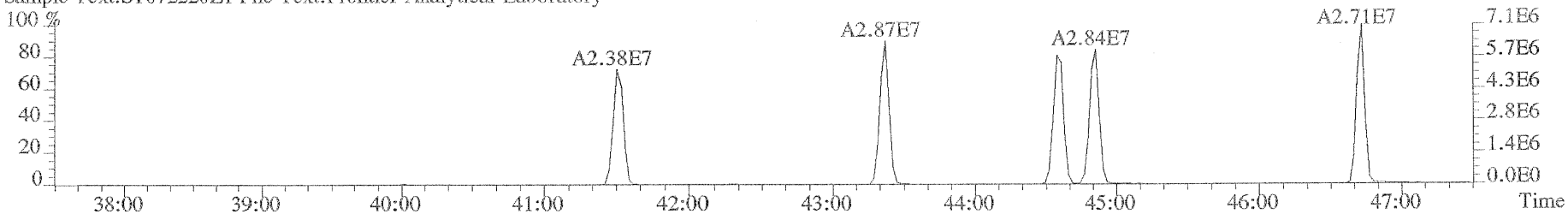
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



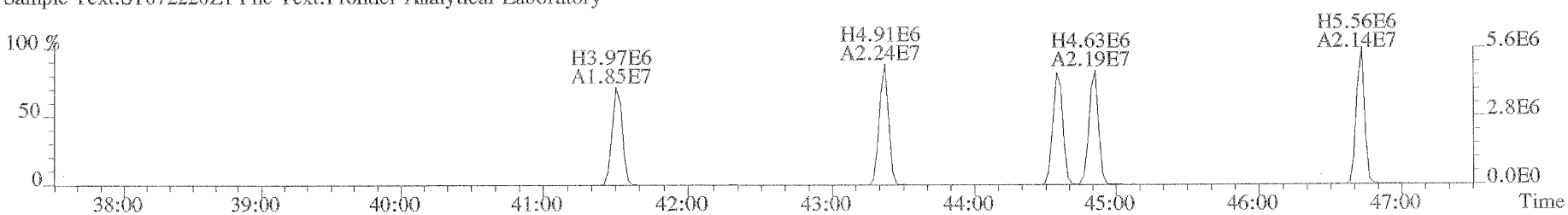
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



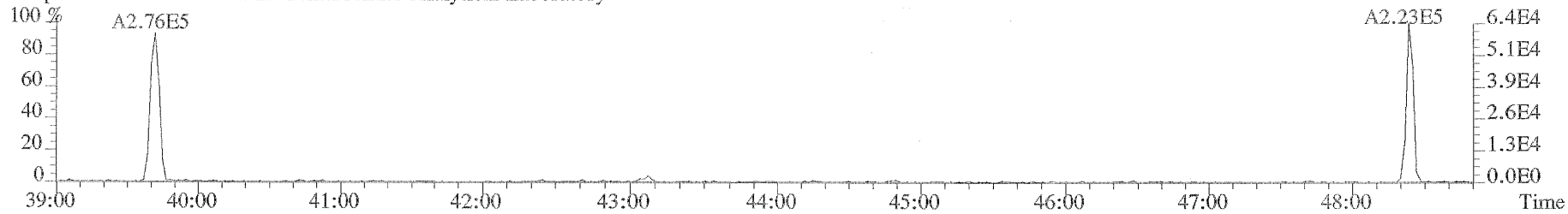
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



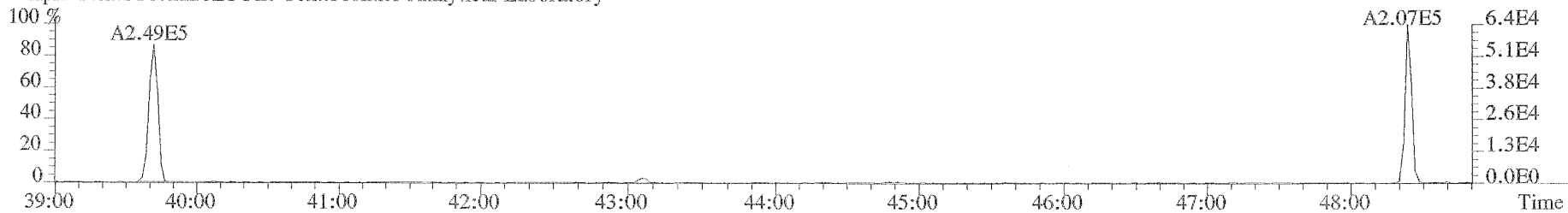
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



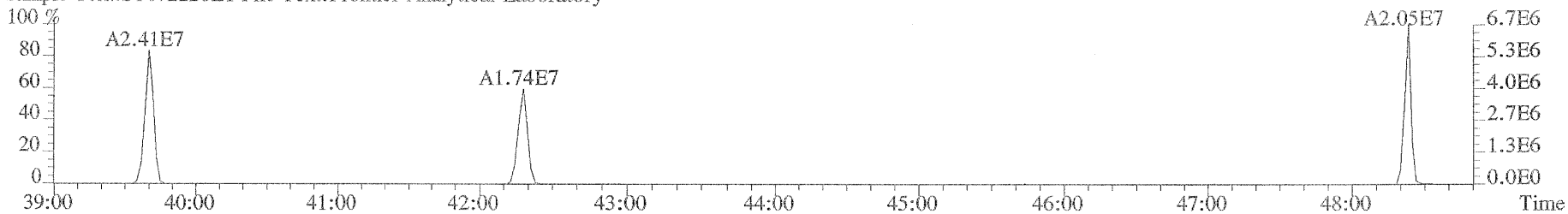
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



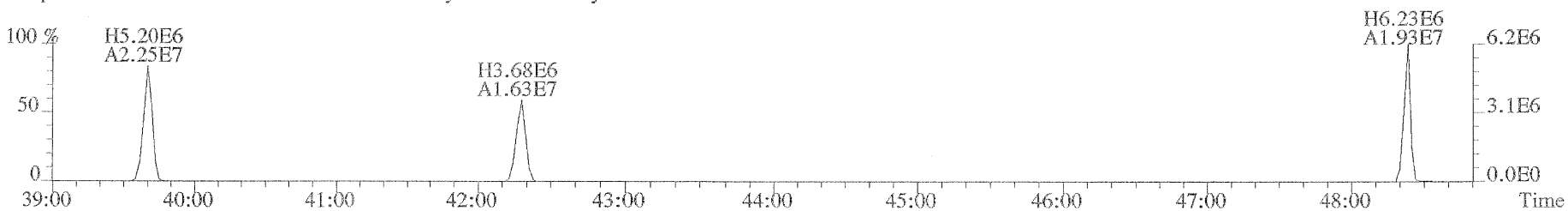
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



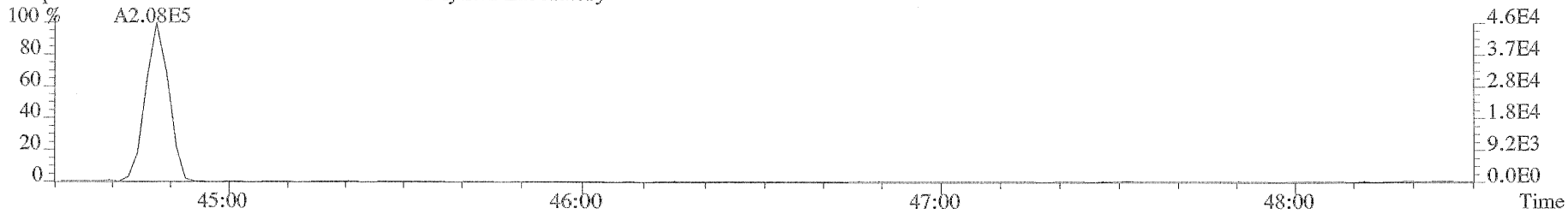
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



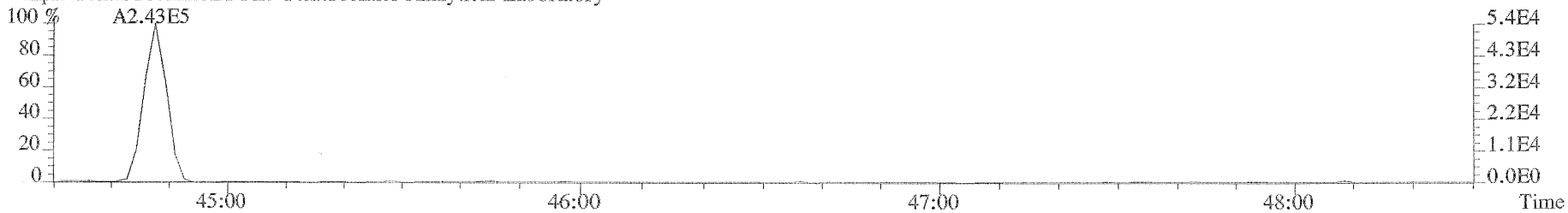
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



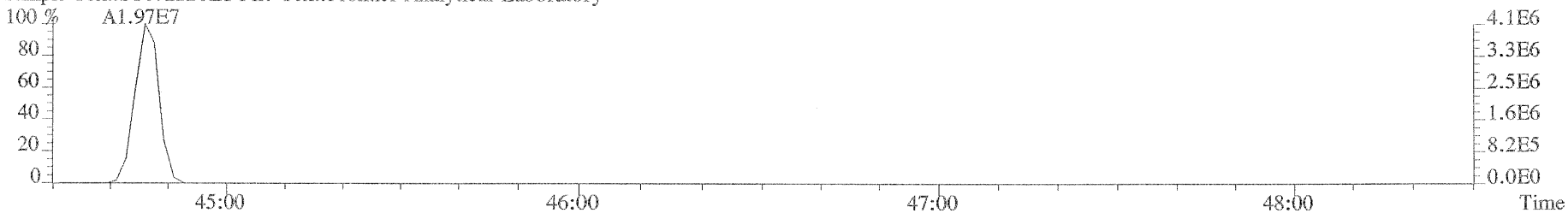
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



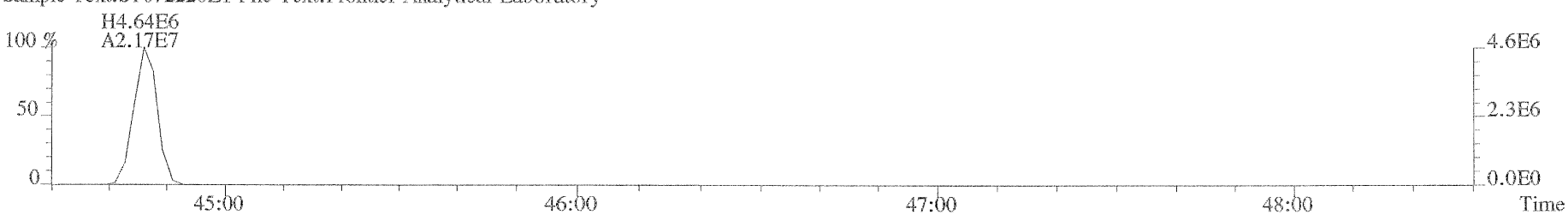
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



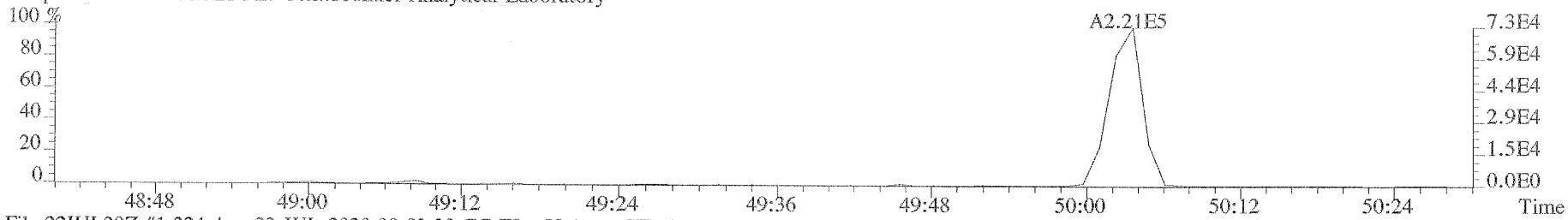
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



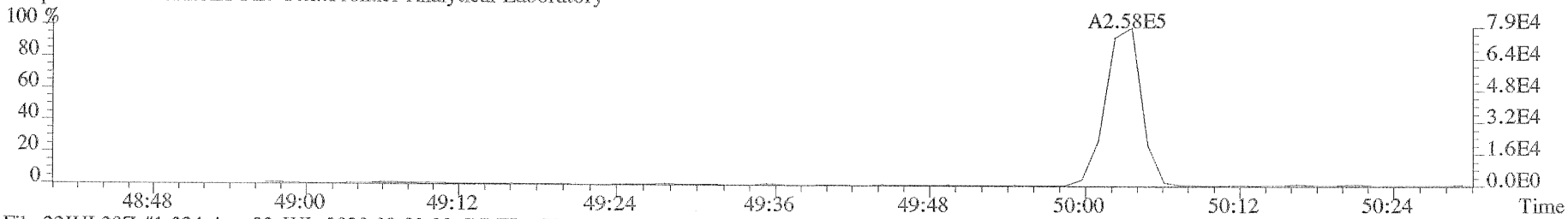
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



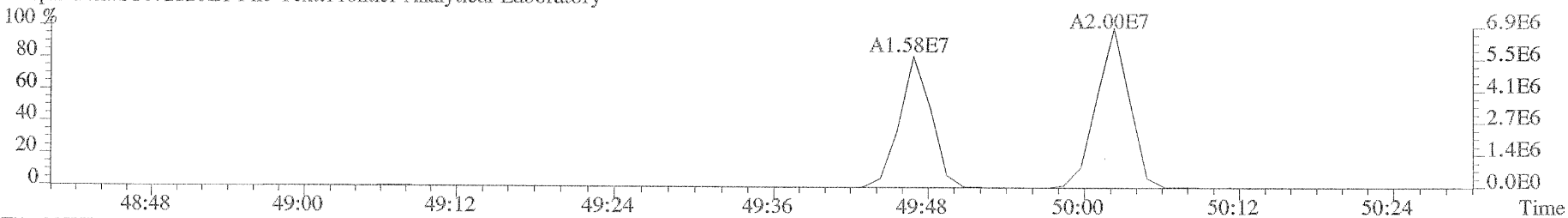
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



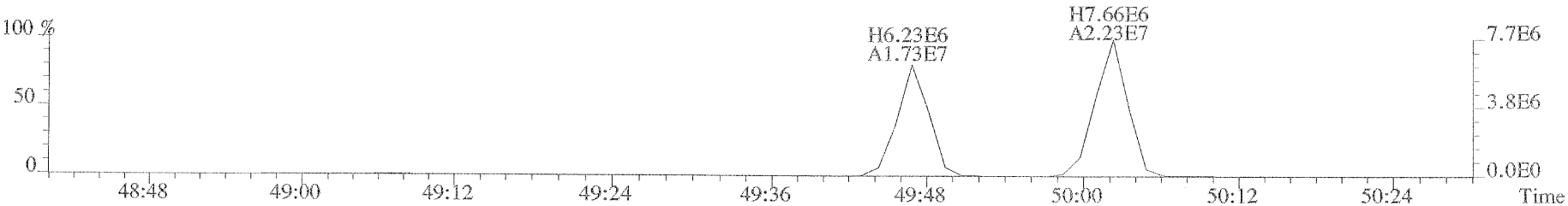
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



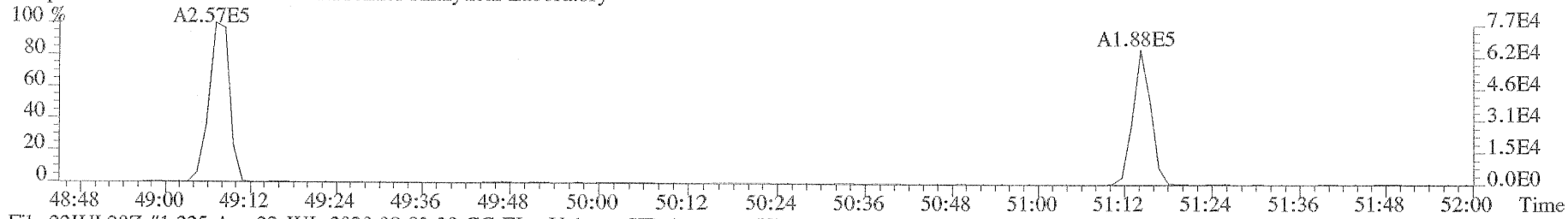
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



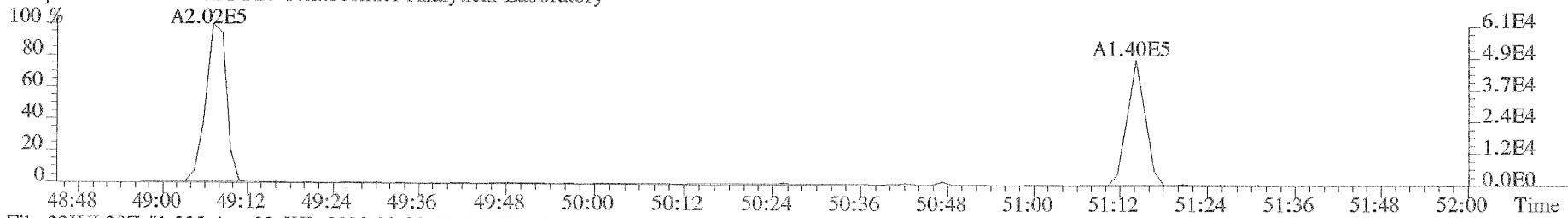
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



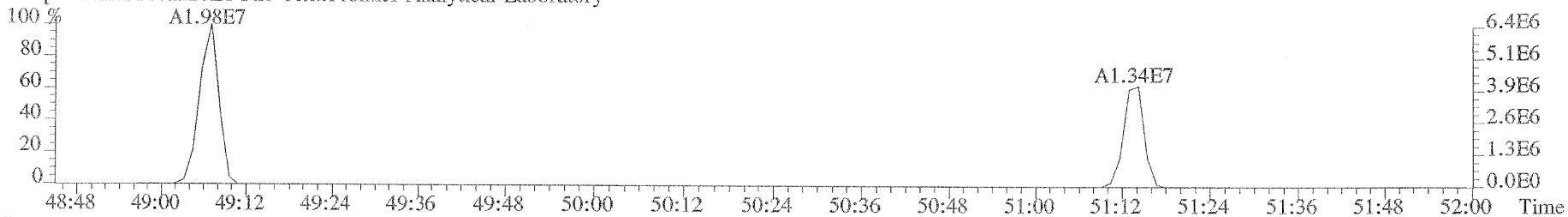
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



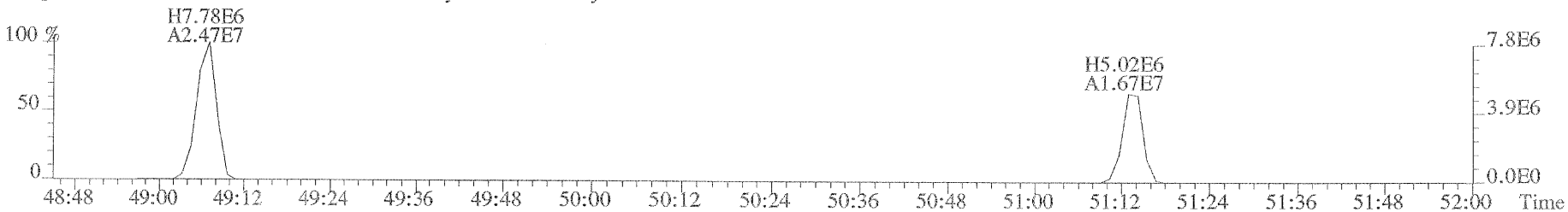
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



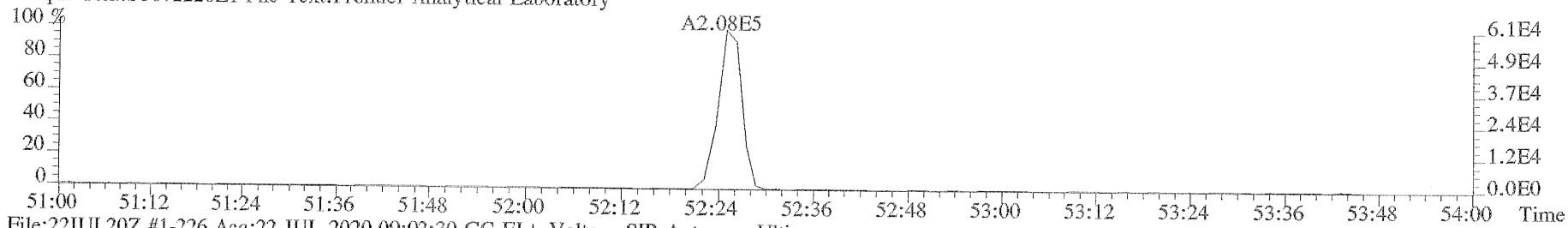
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



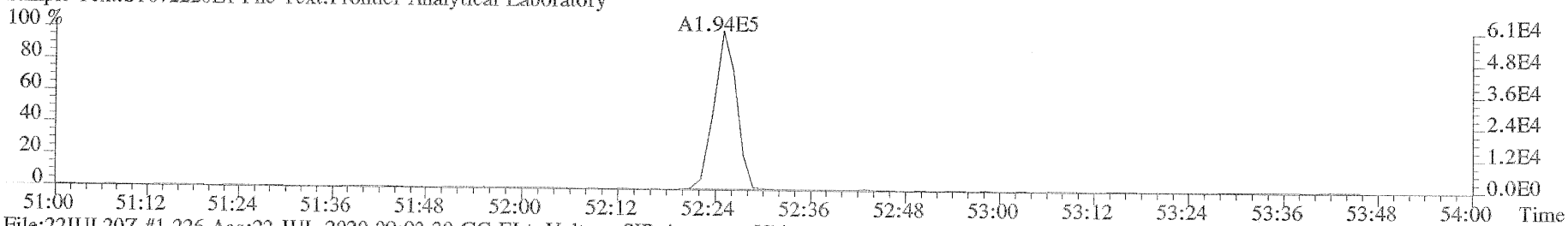
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



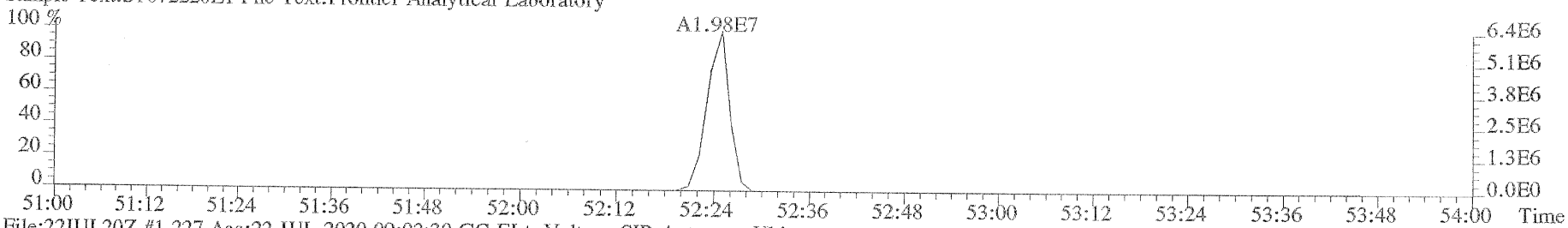
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



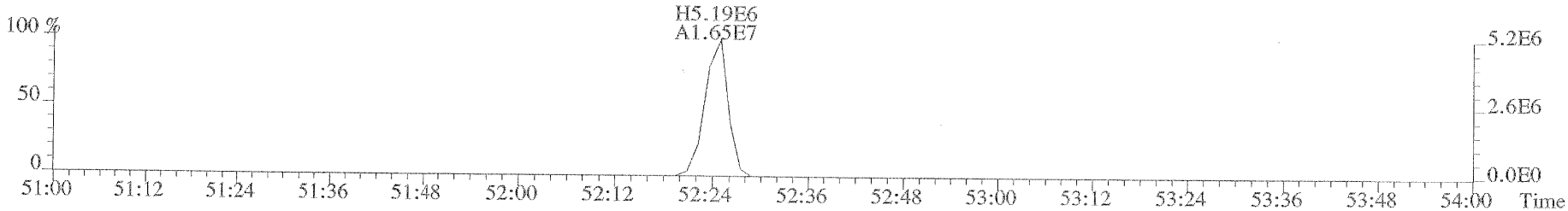
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



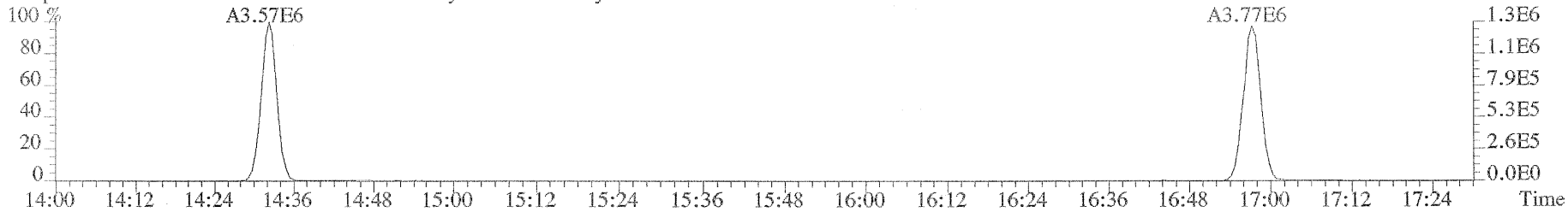
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



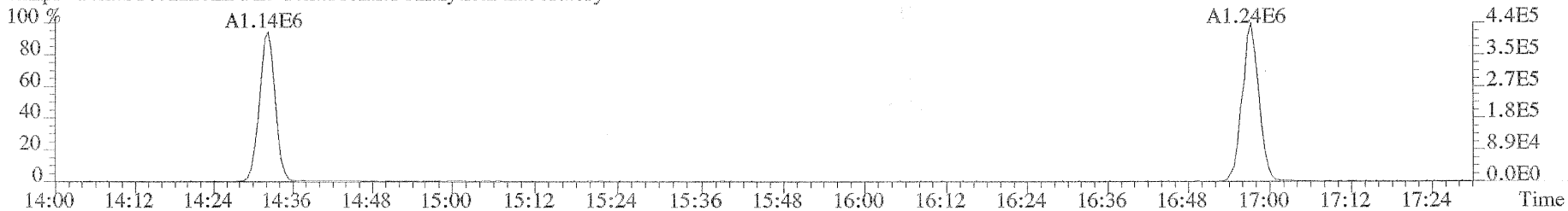
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



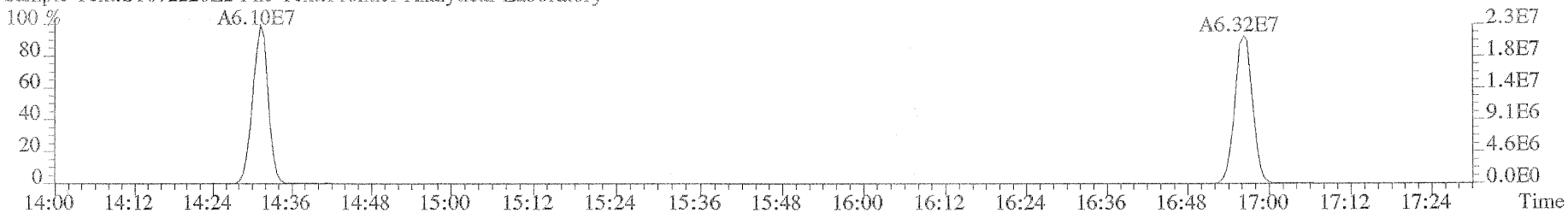
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



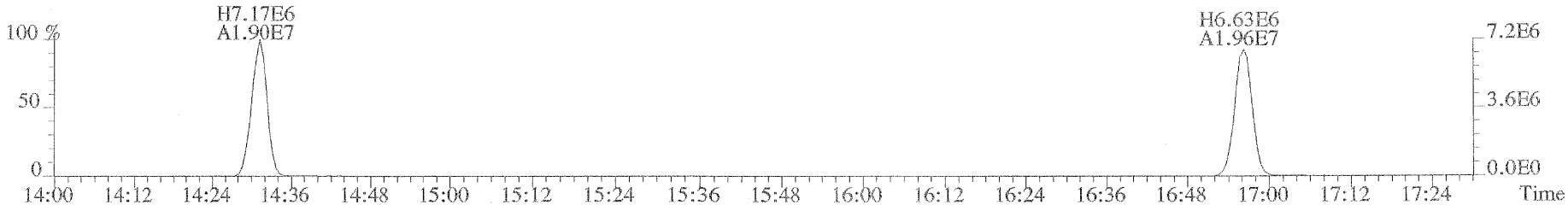
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



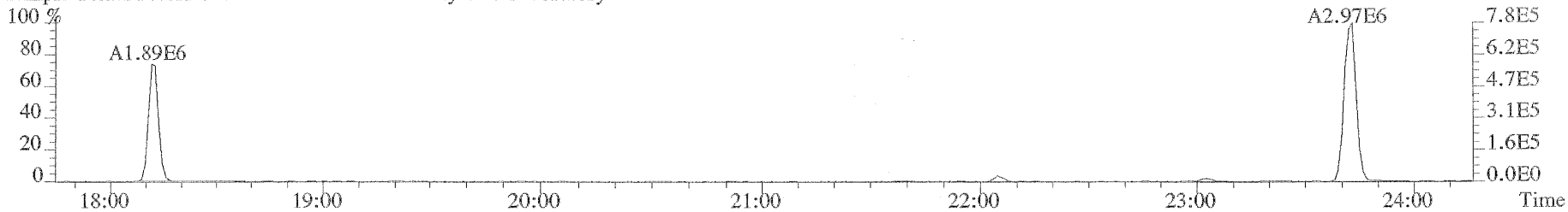
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



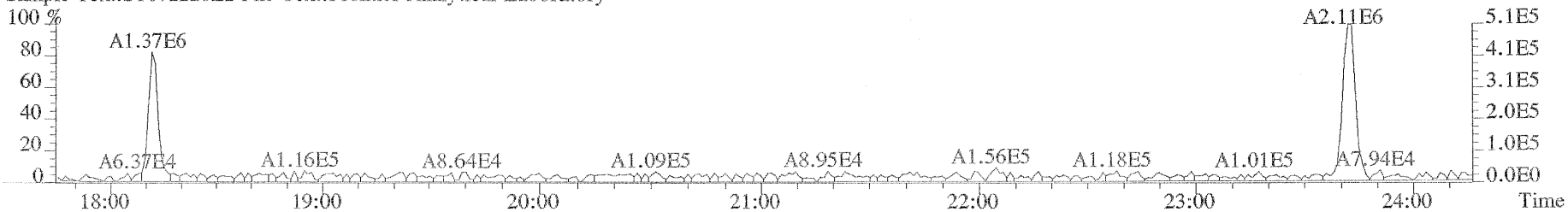
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



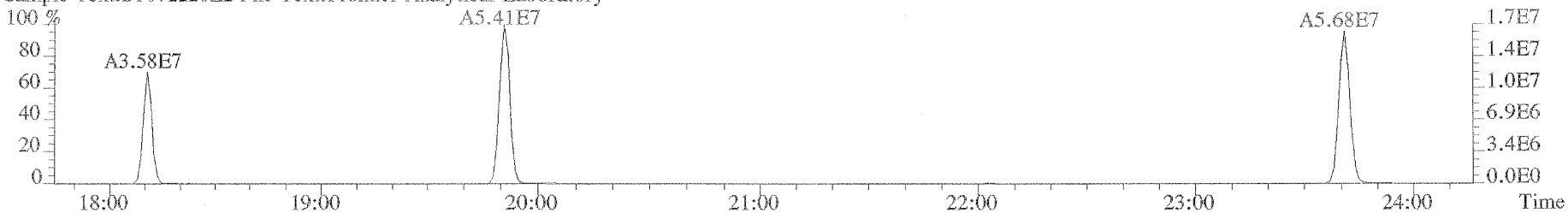
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



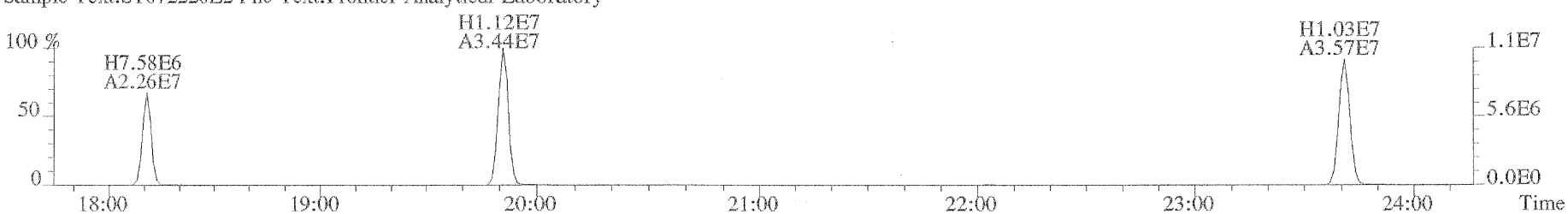
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



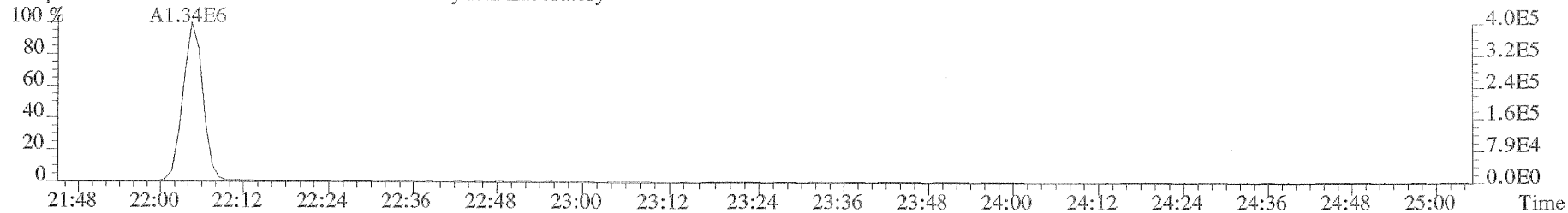
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



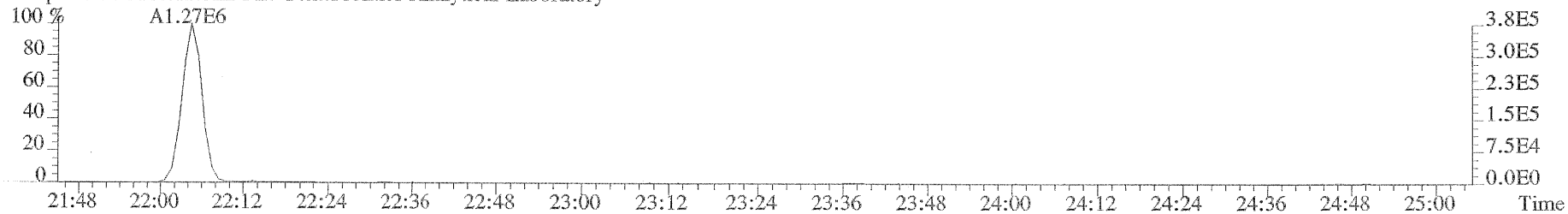
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



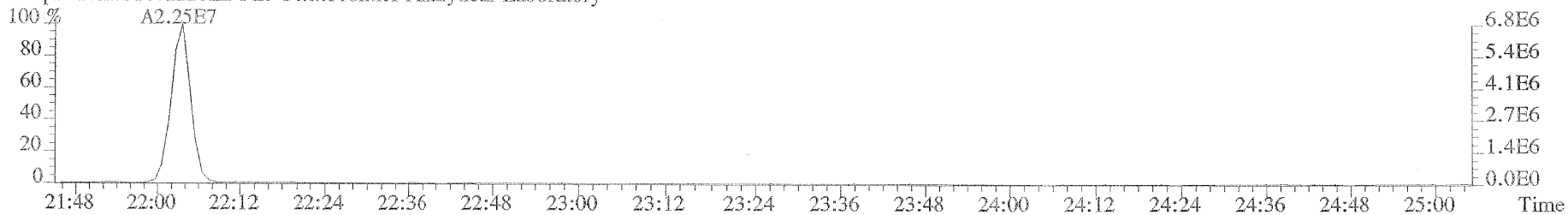
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



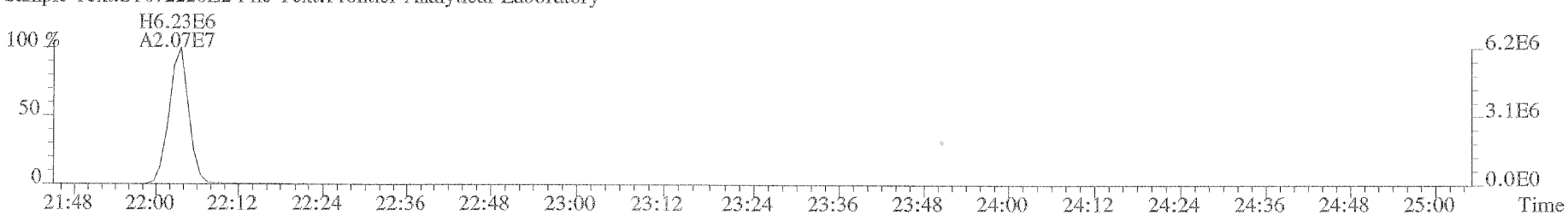
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



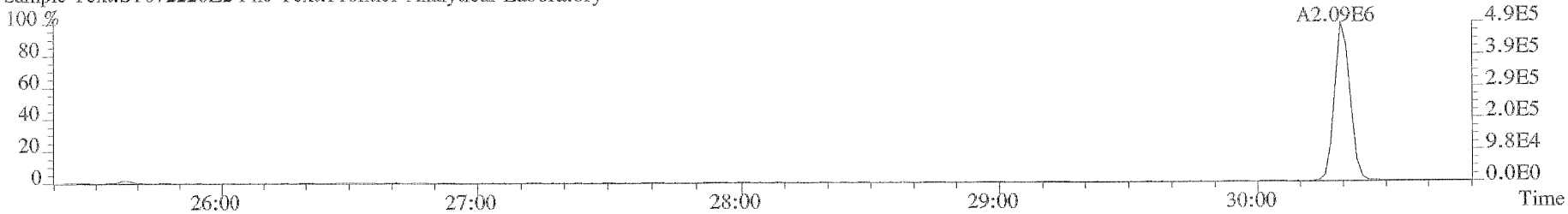
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



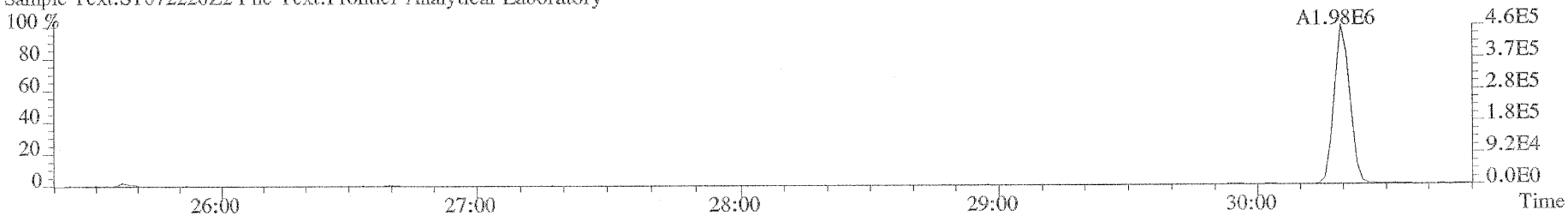
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



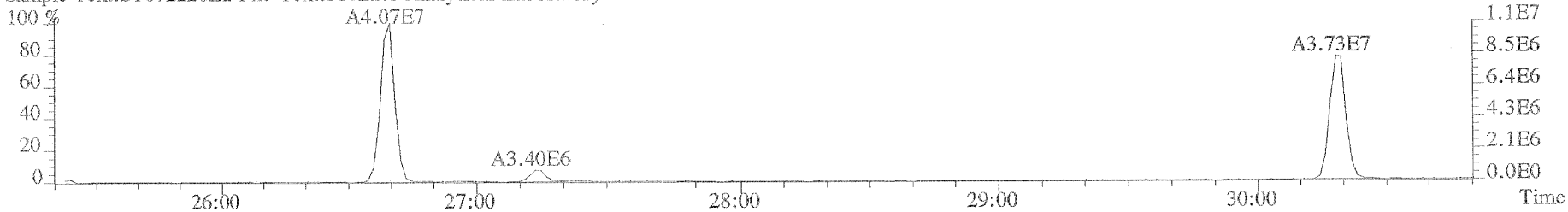
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



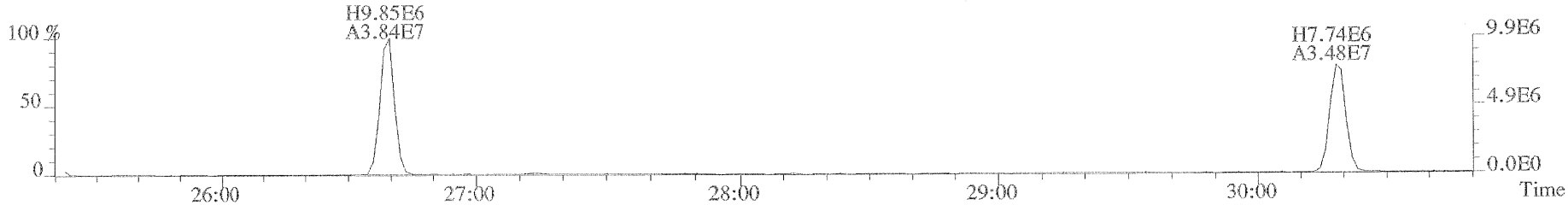
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

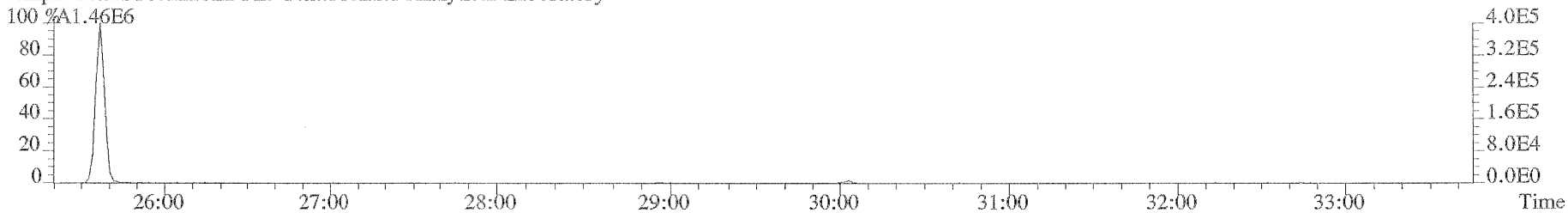


File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

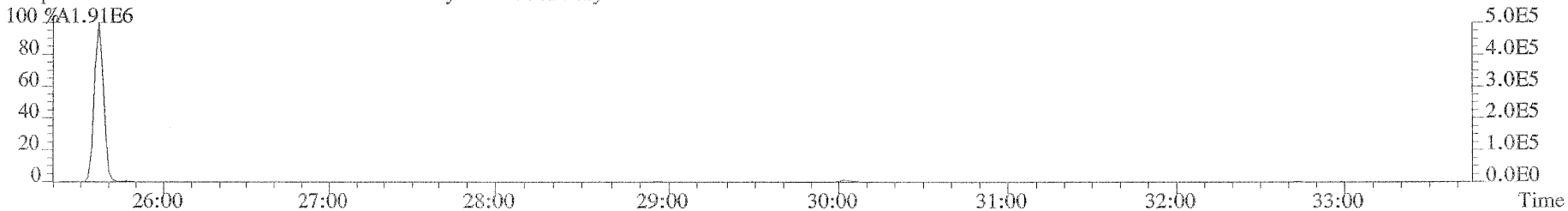


000201

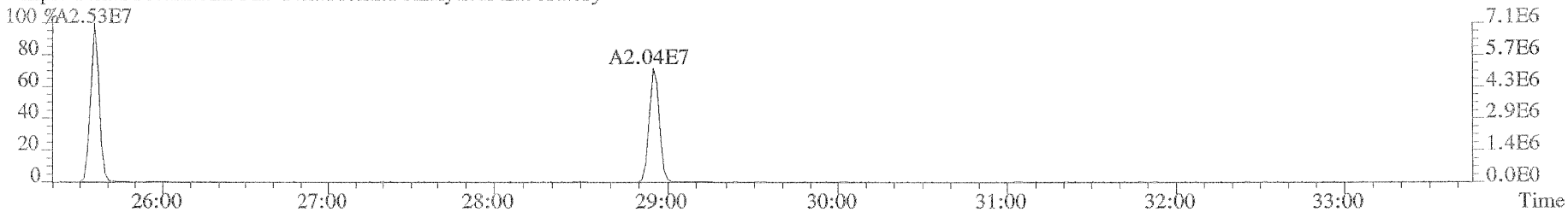
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



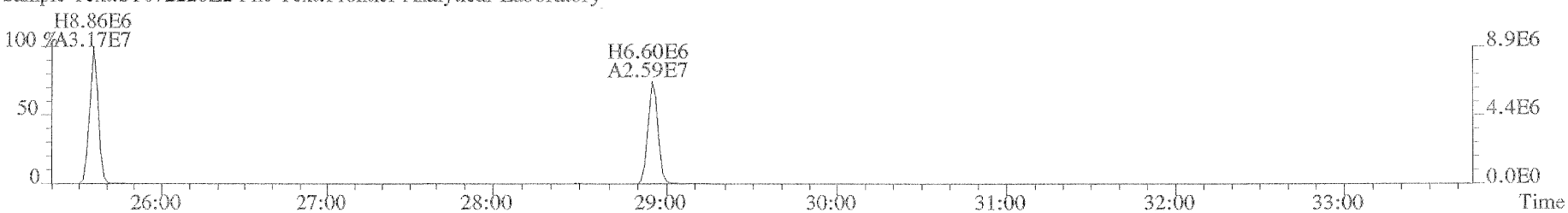
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



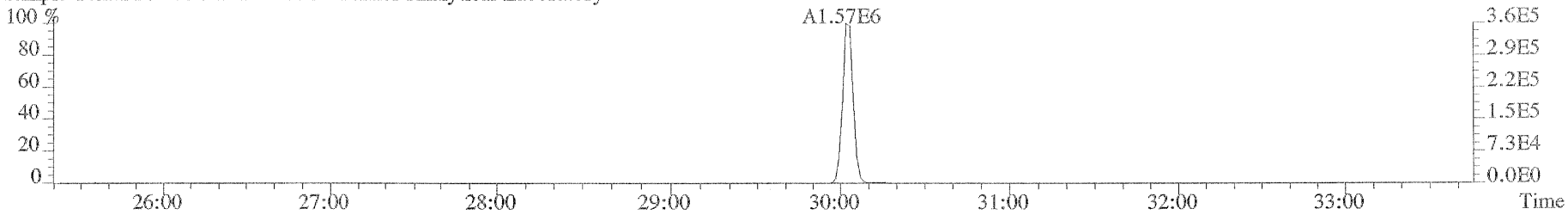
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



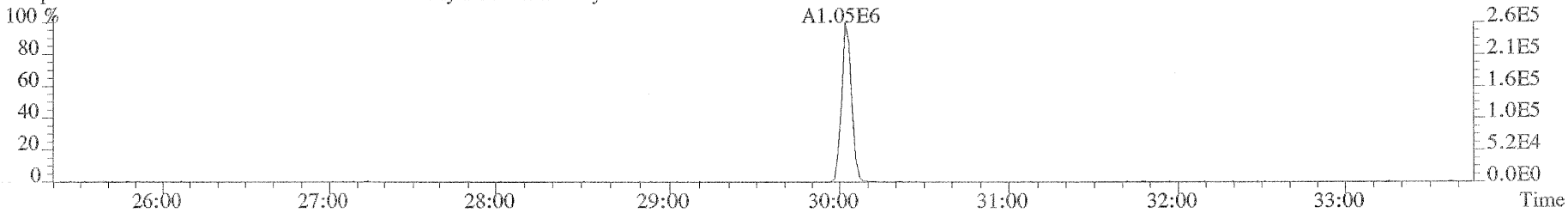
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



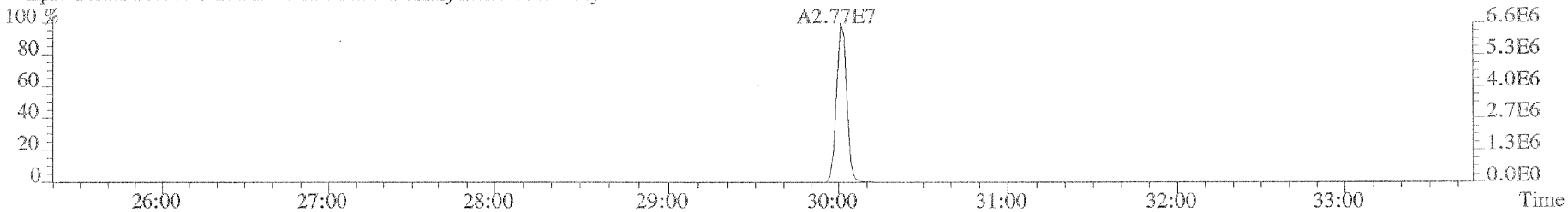
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



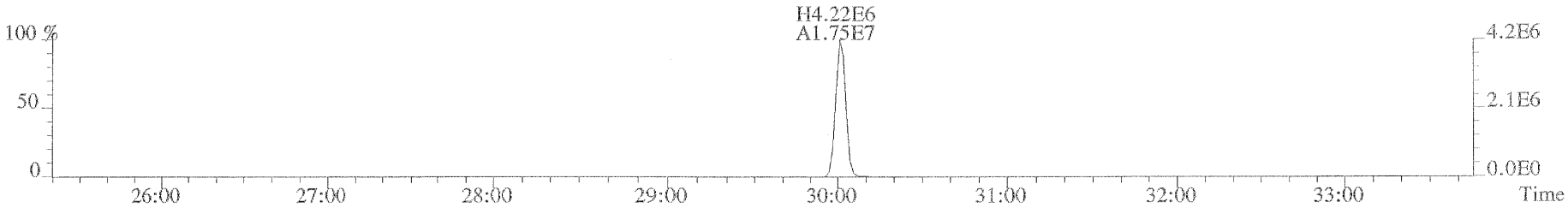
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



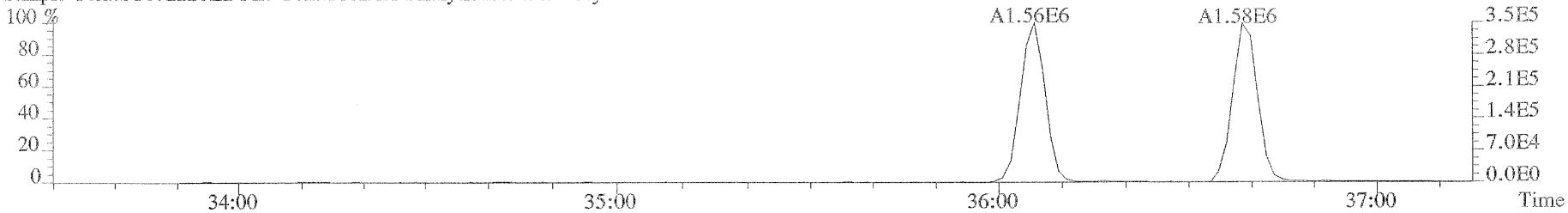
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



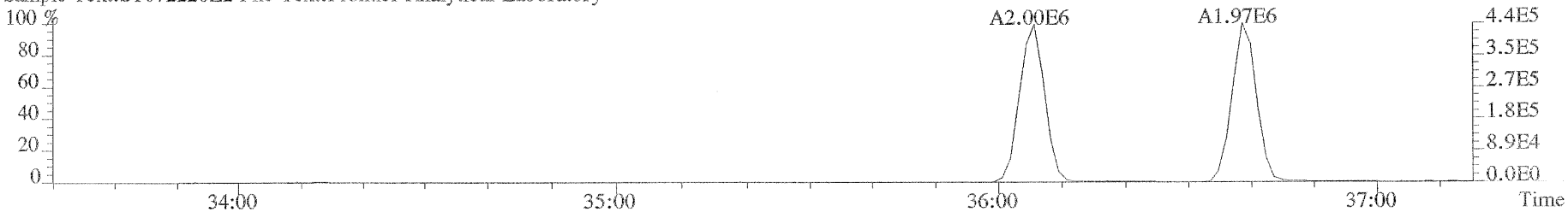
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



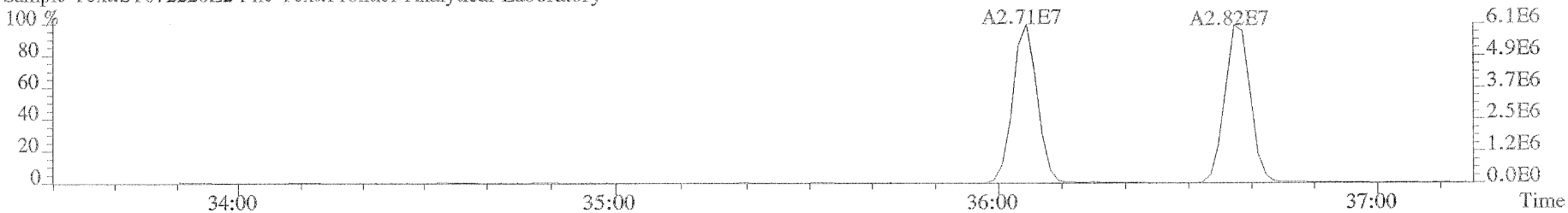
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



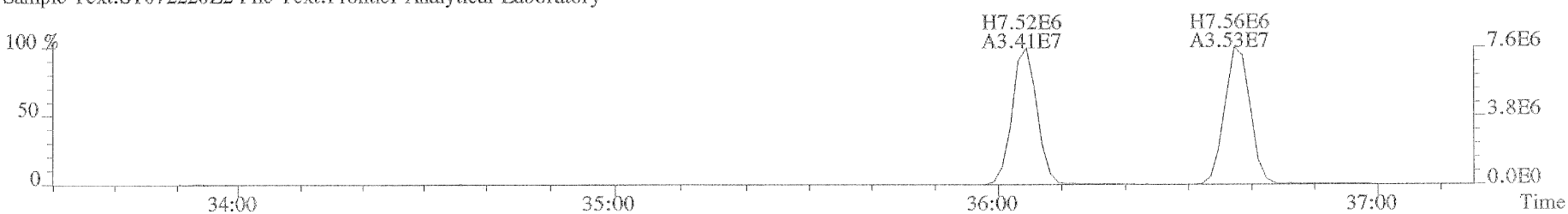
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

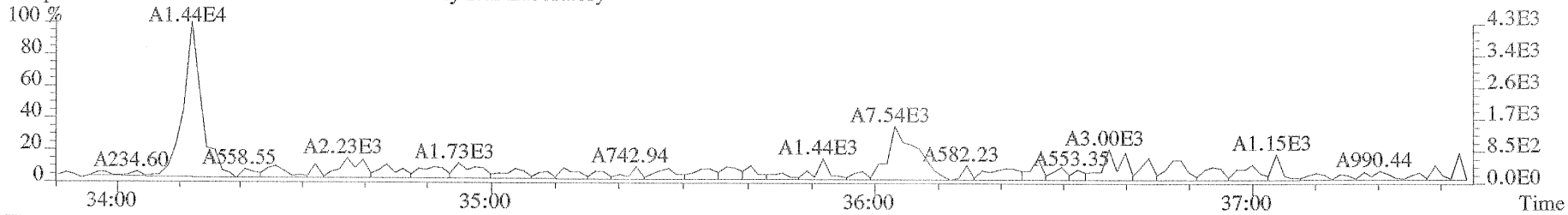


File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

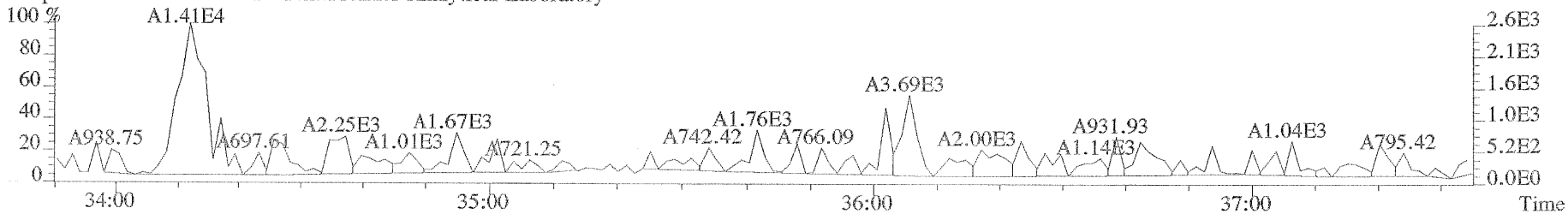


000204

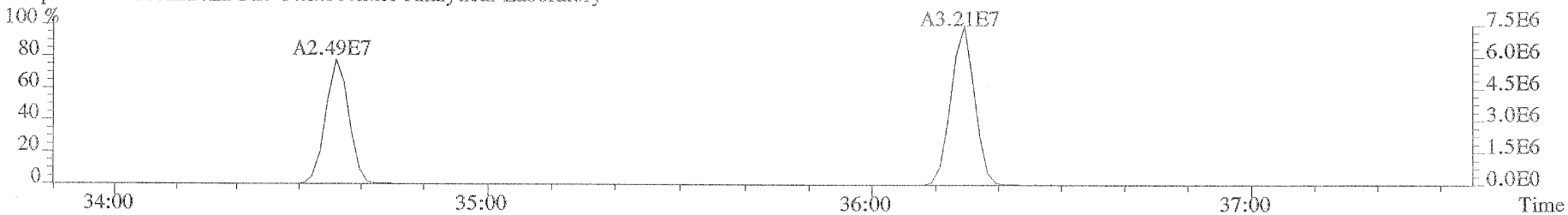
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



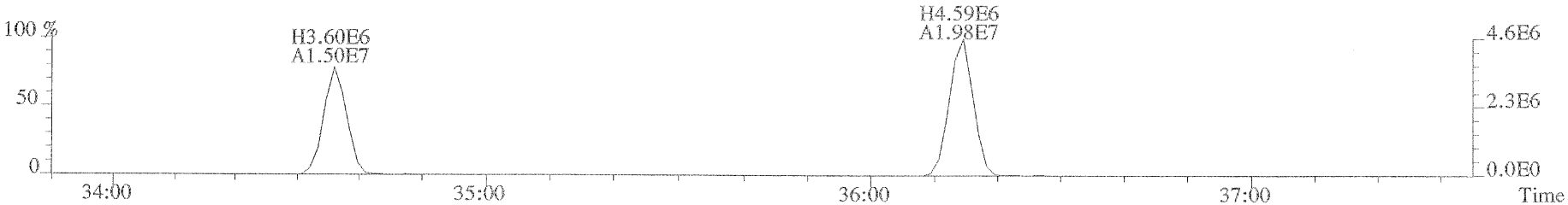
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



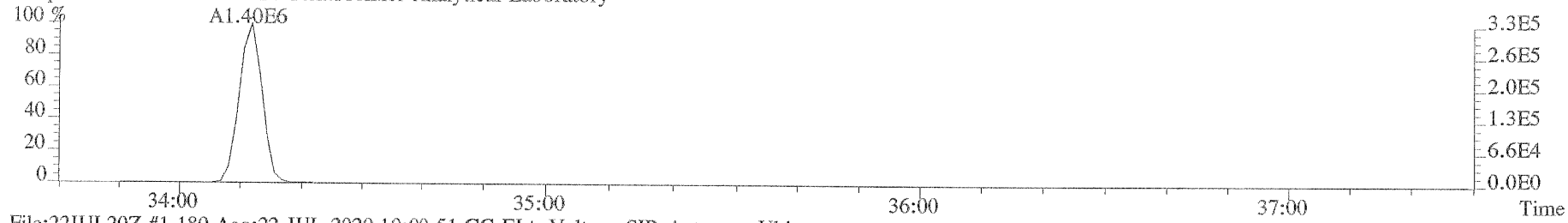
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



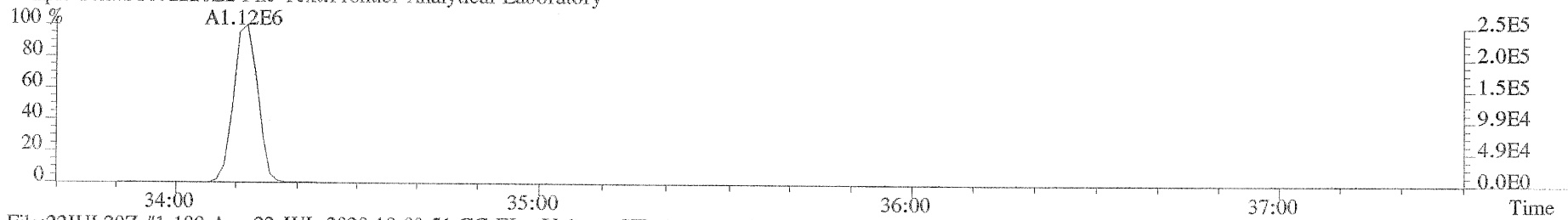
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



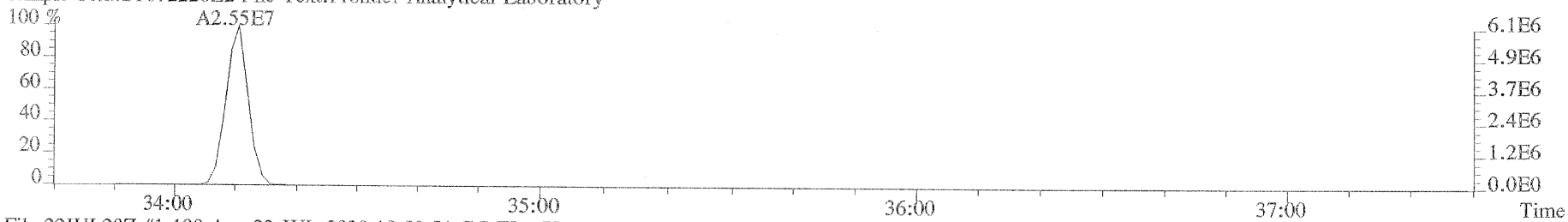
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



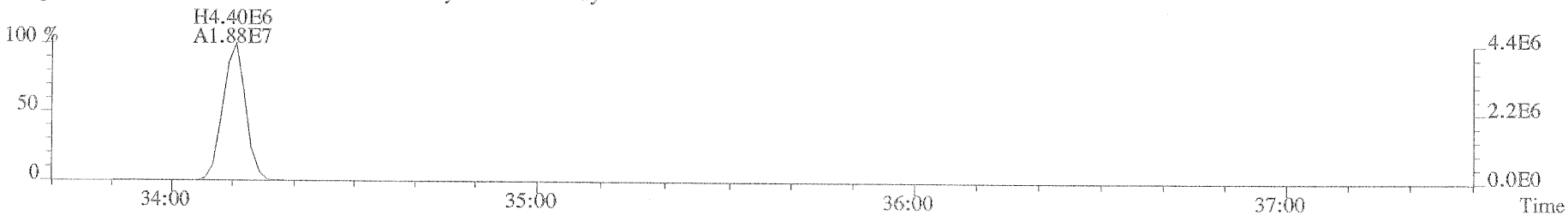
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



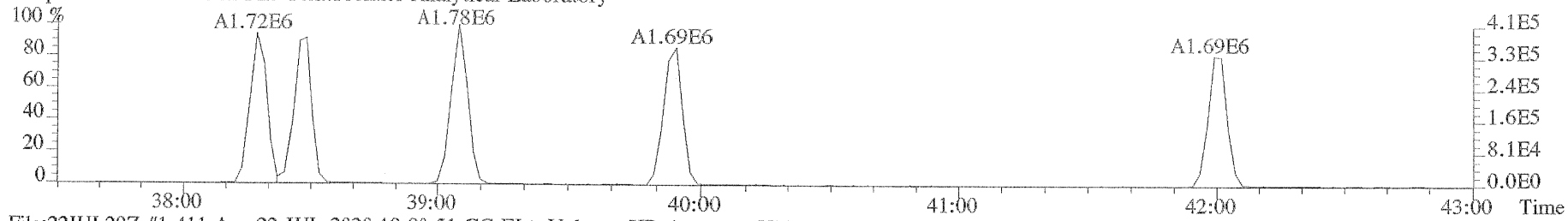
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



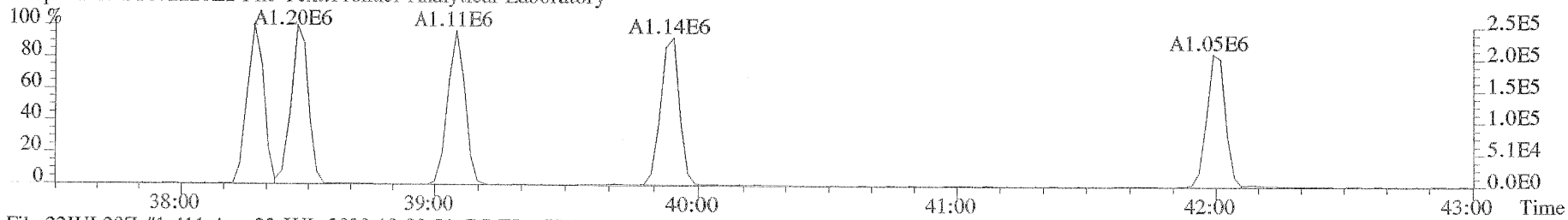
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



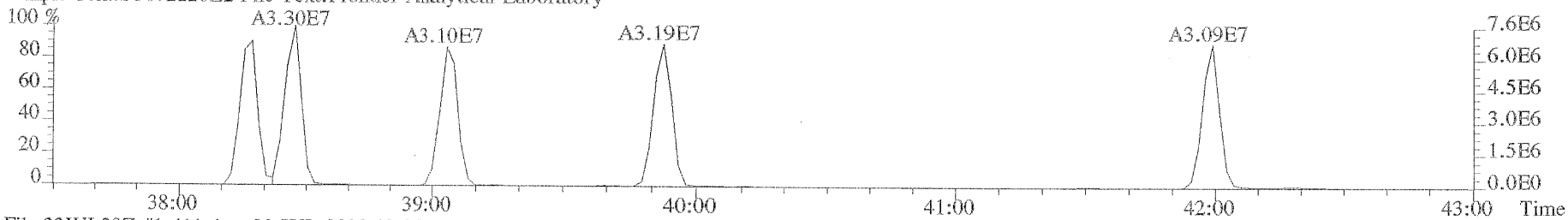
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



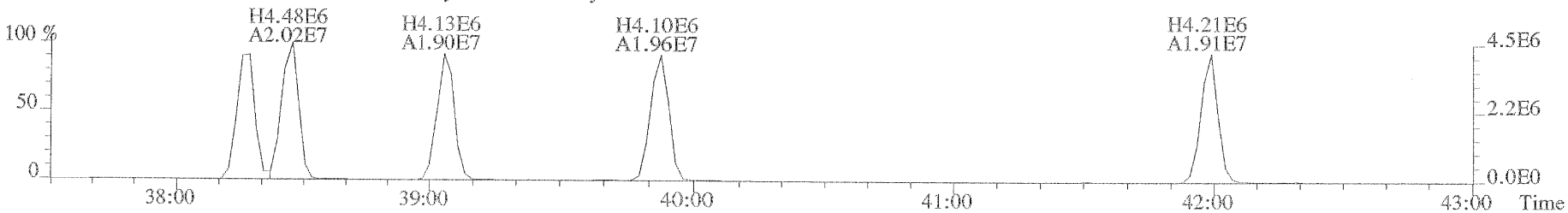
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

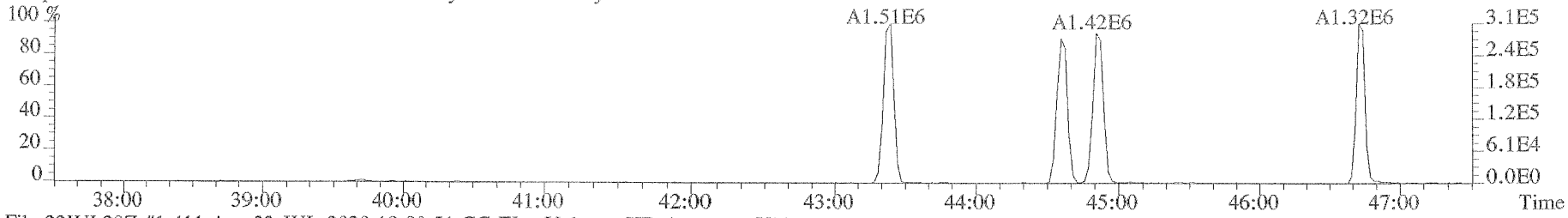


File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

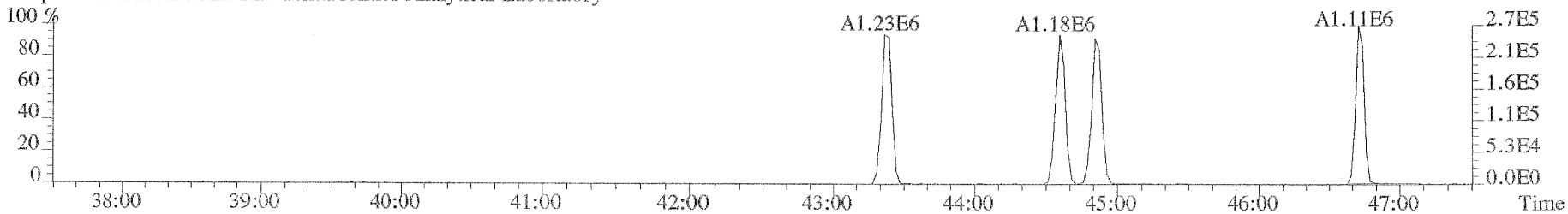


000207

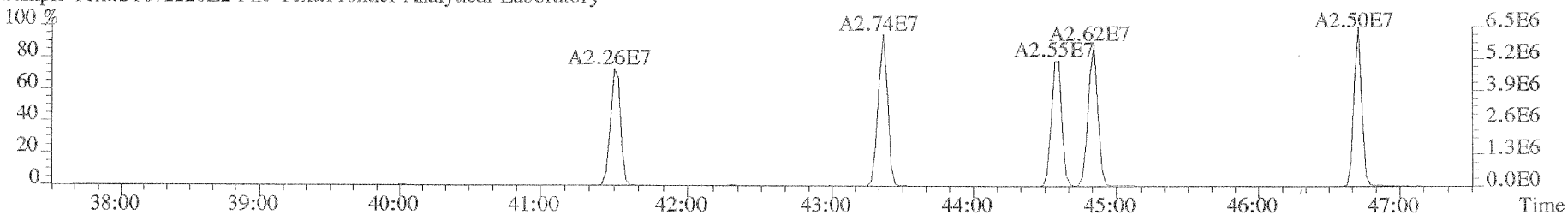
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



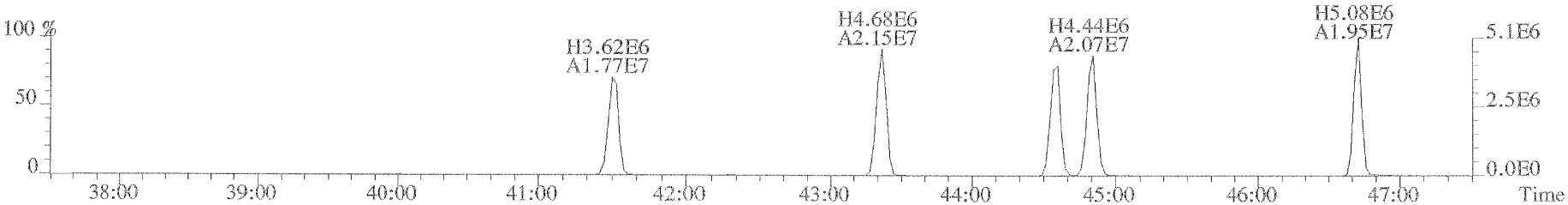
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



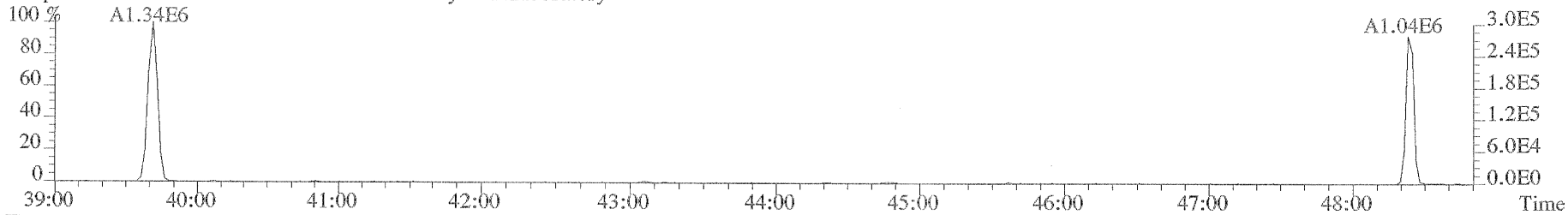
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



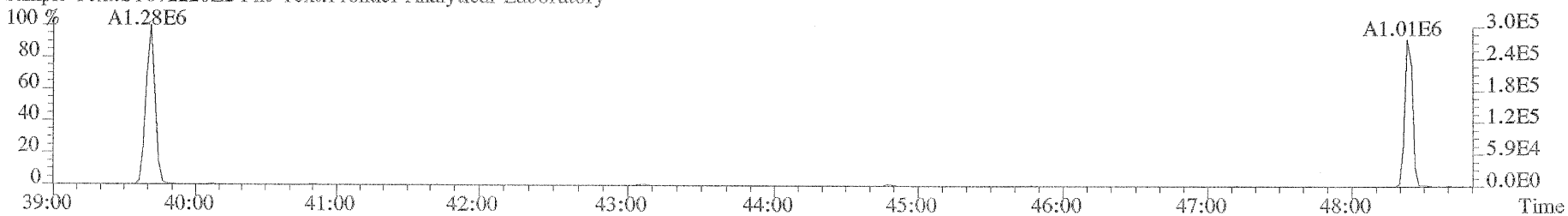
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



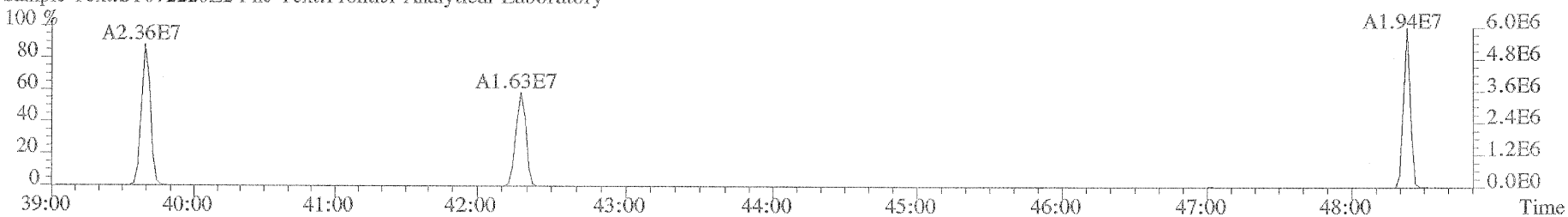
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



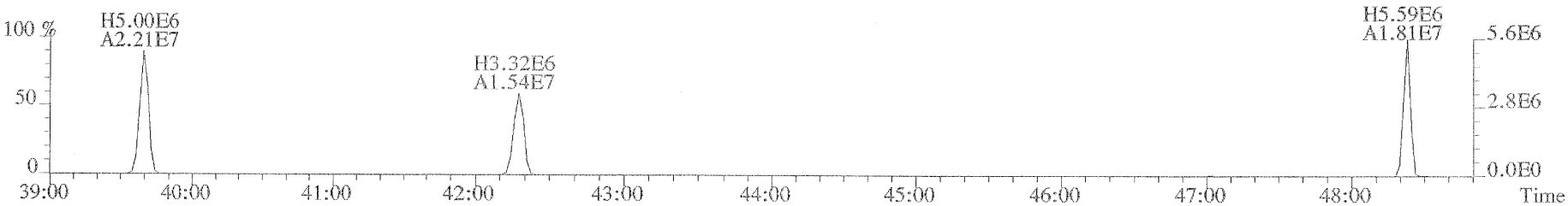
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



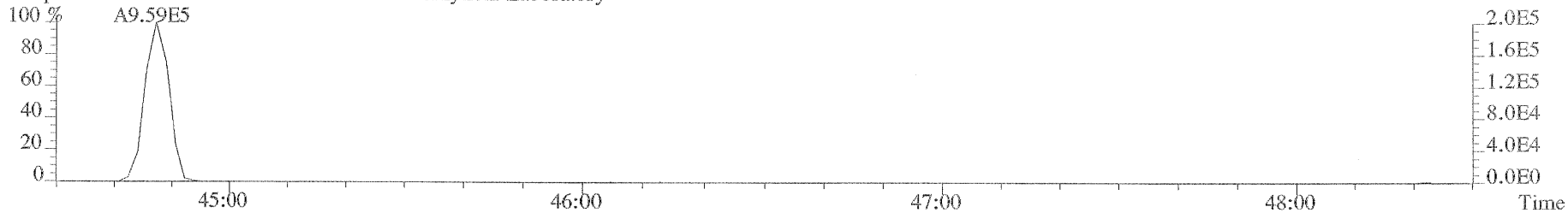
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



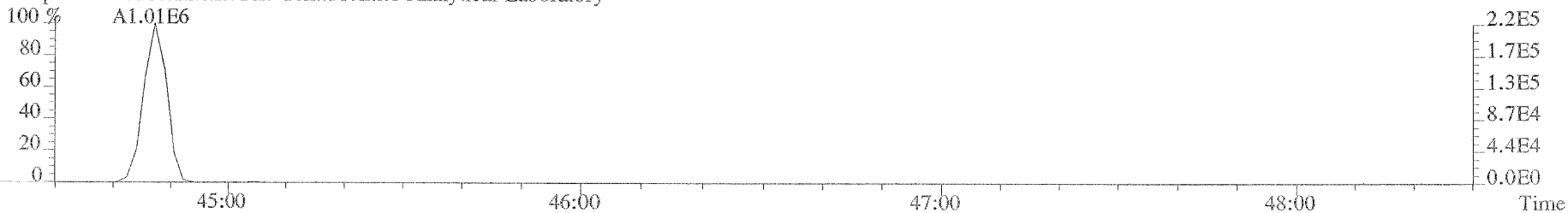
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



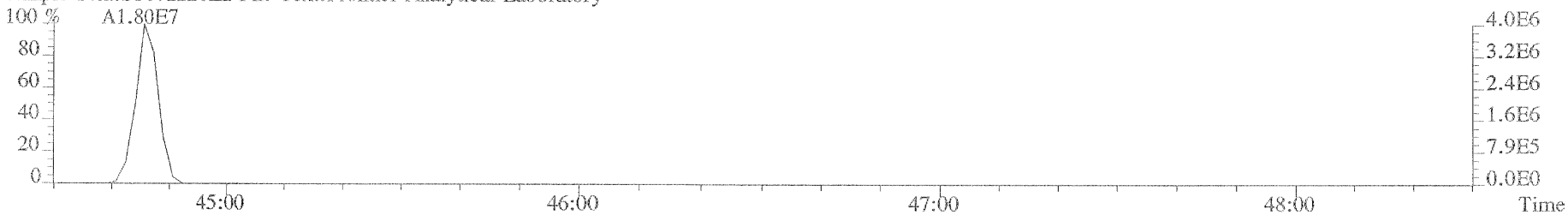
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



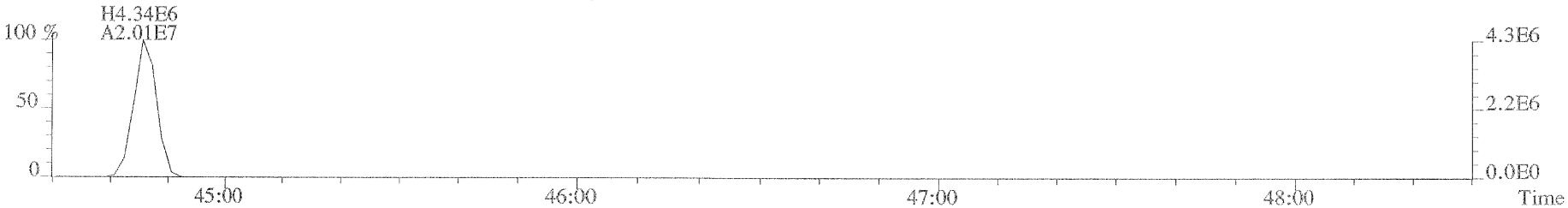
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

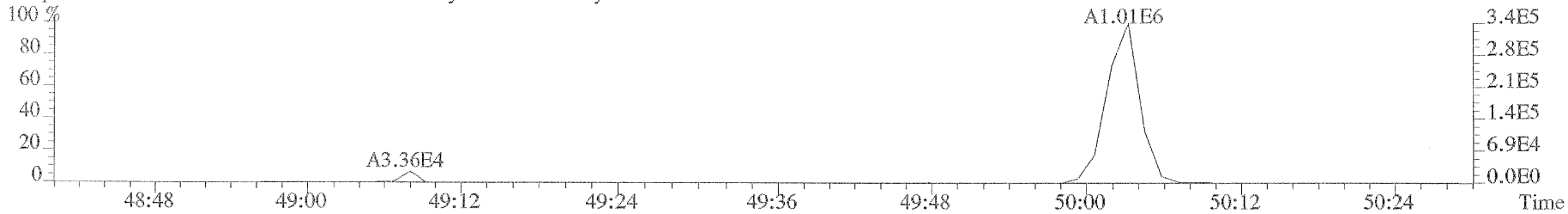


File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

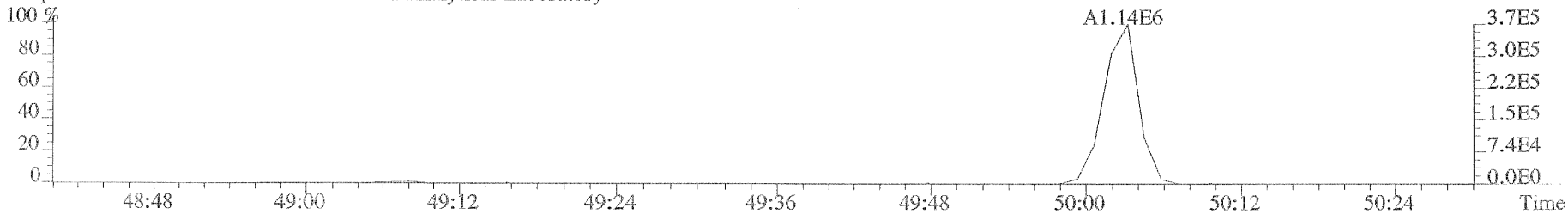


000210

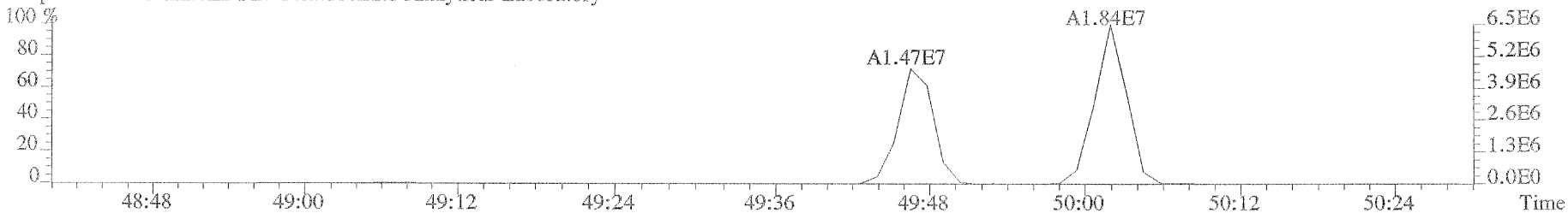
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



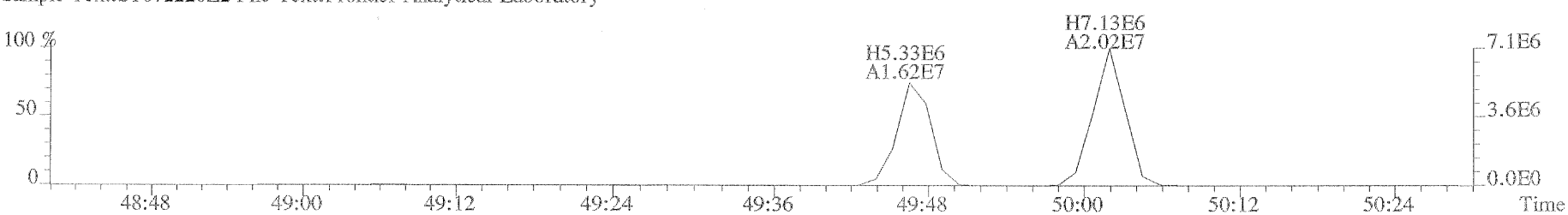
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

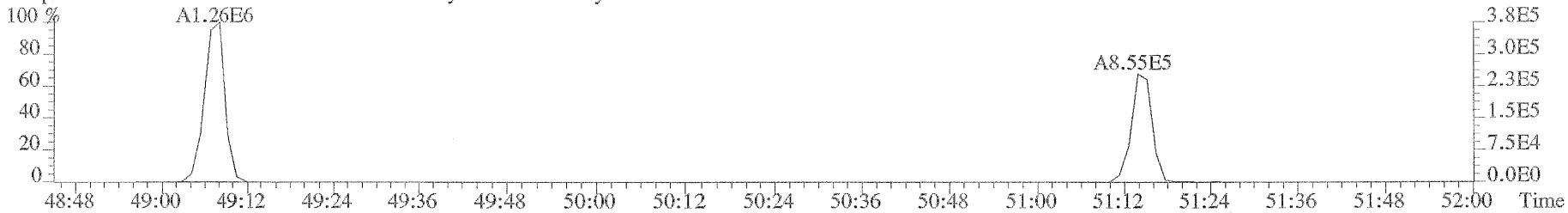


File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

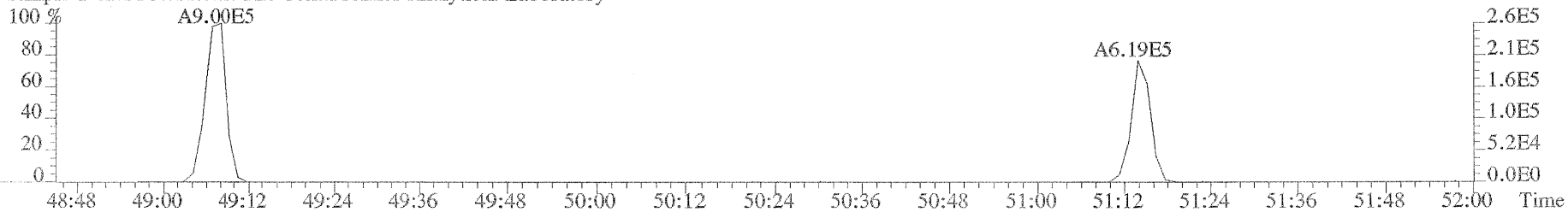


000211

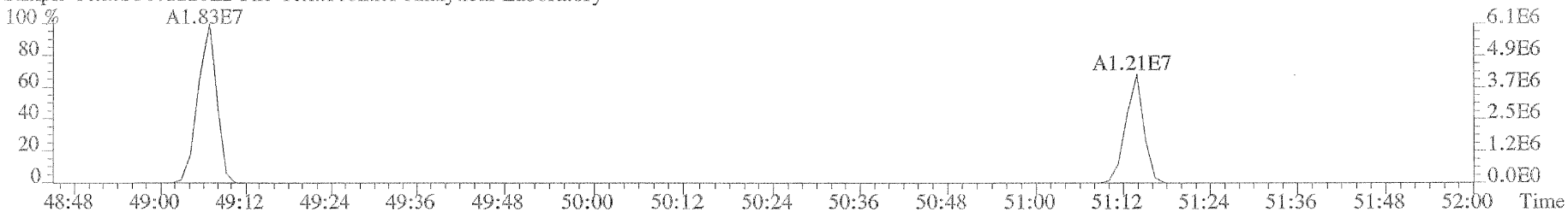
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



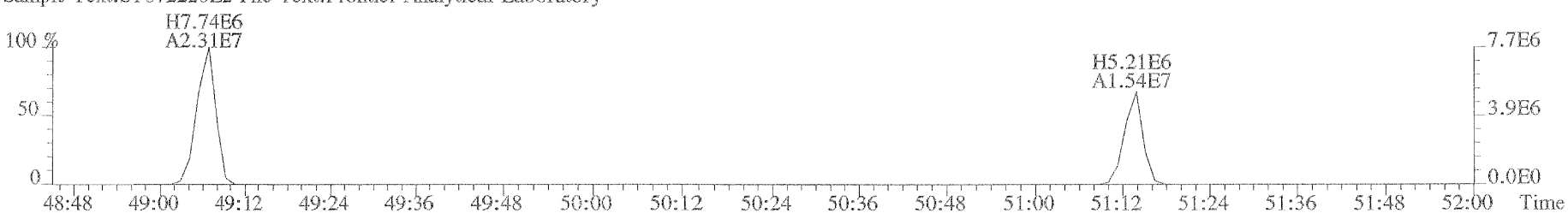
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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

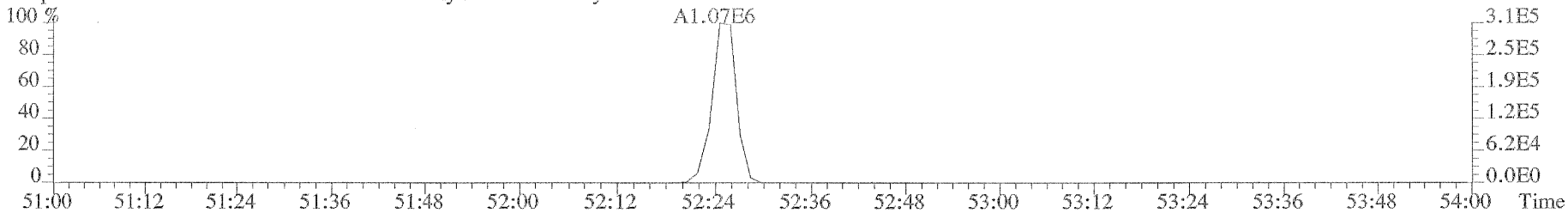


File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory

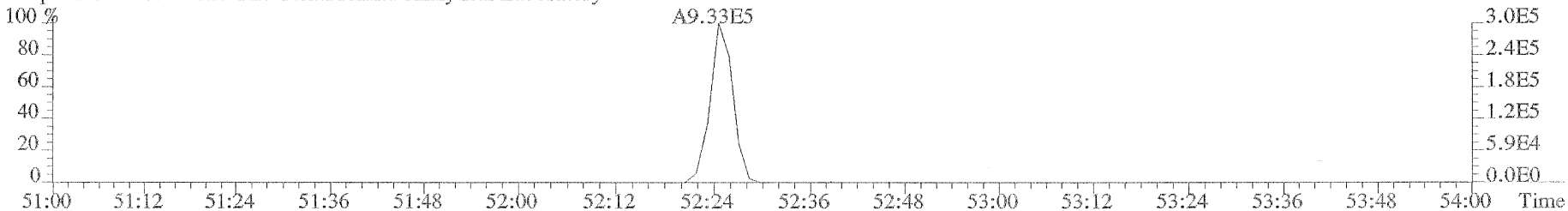


000212

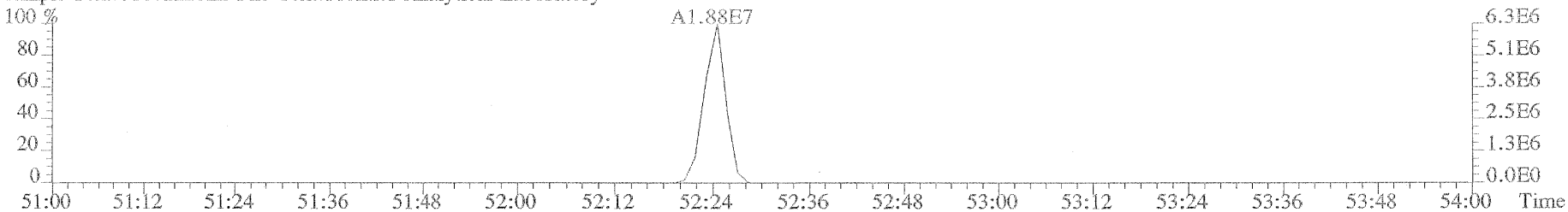
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



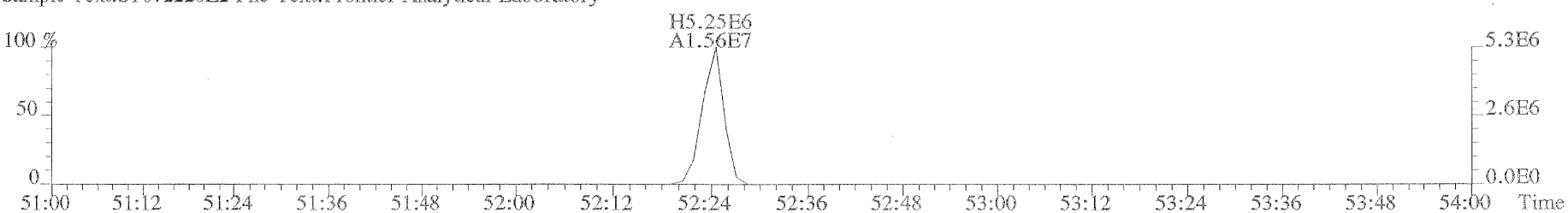
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



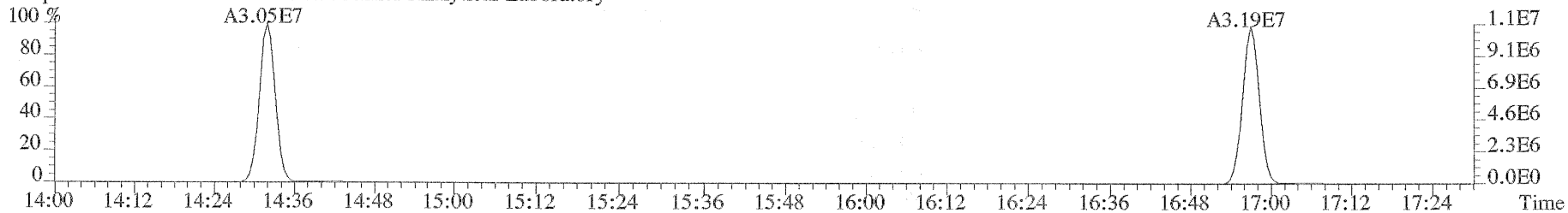
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



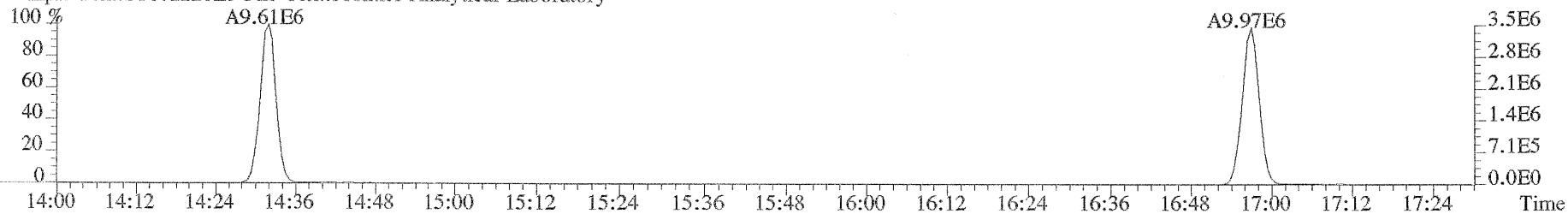
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



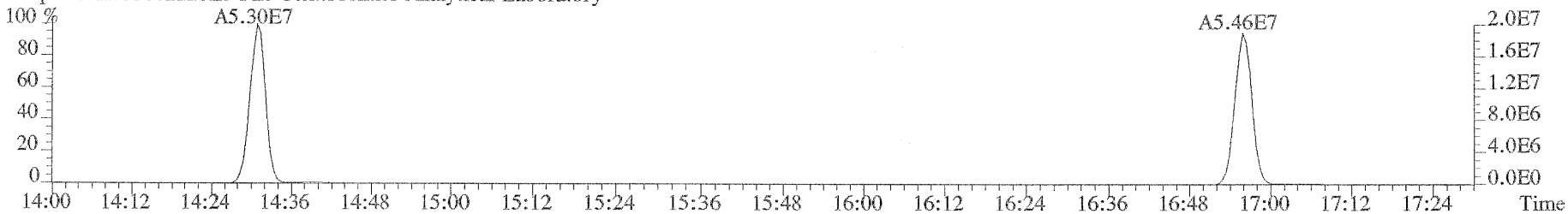
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



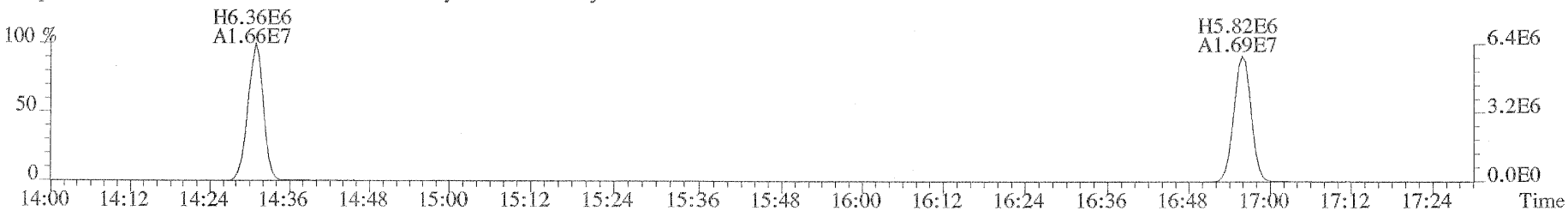
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



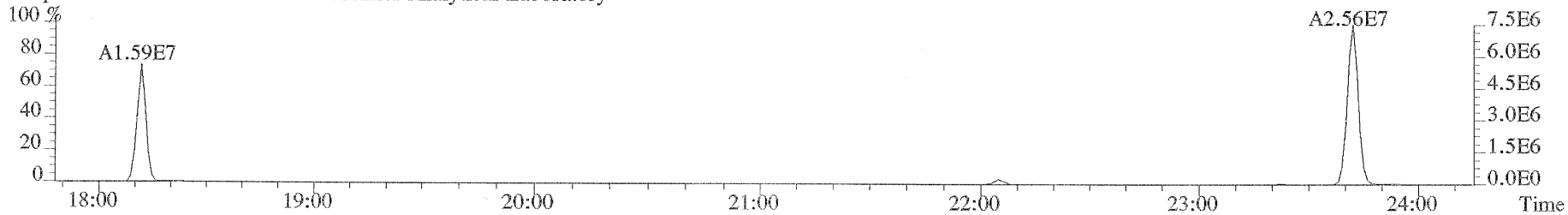
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



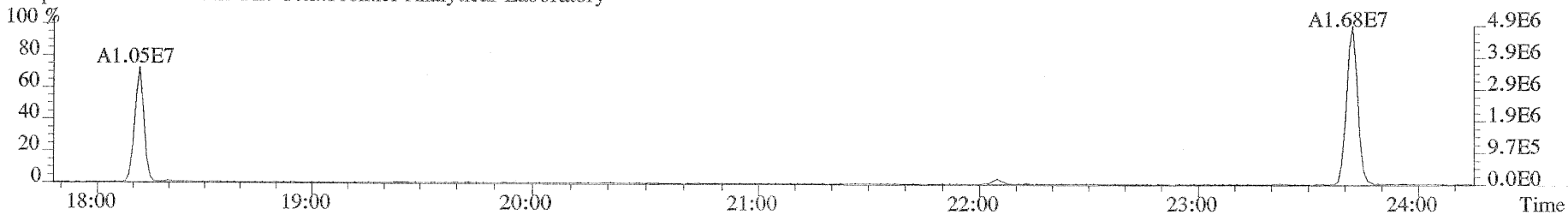
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



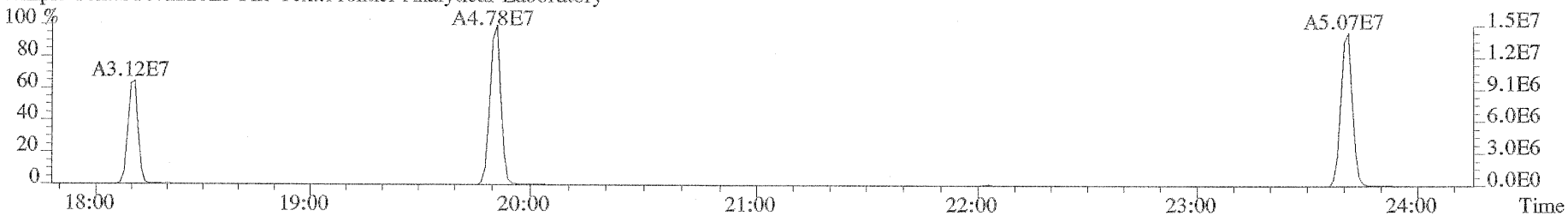
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



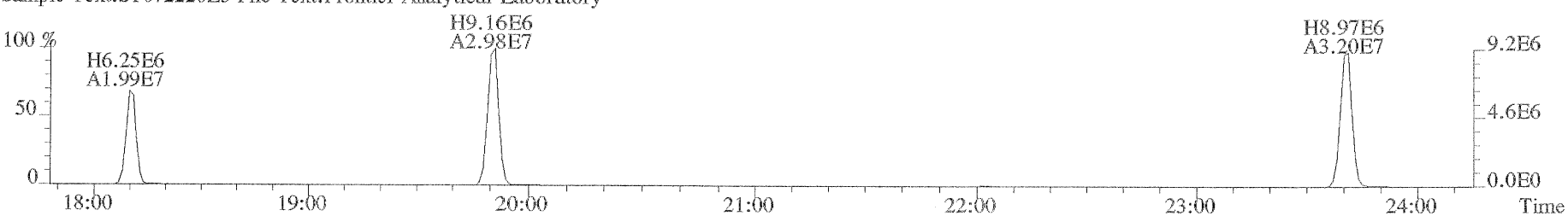
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

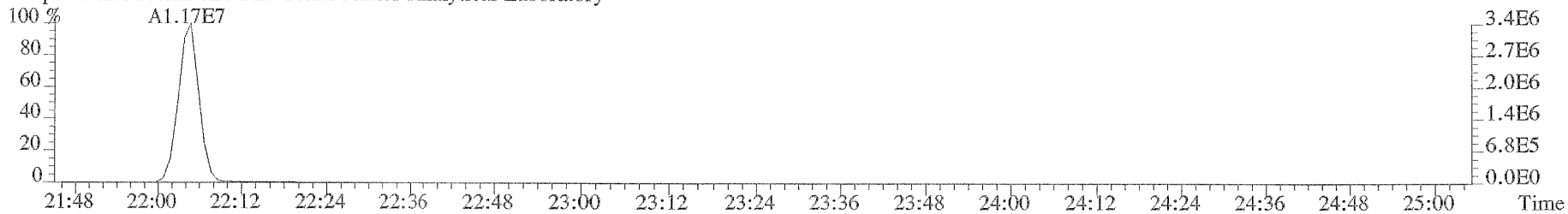


File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

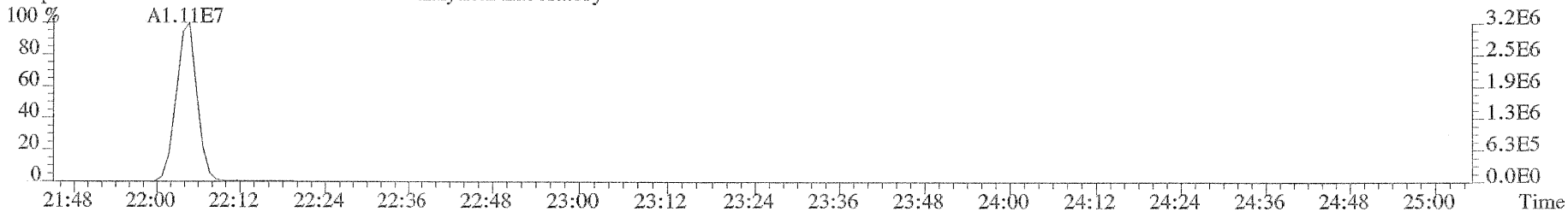


000215

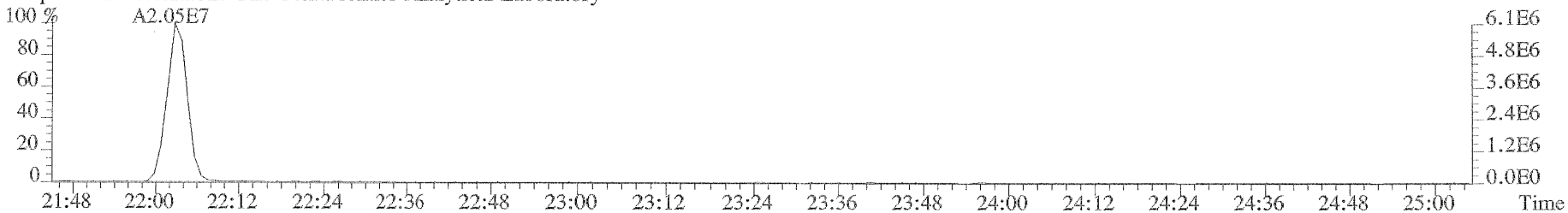
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



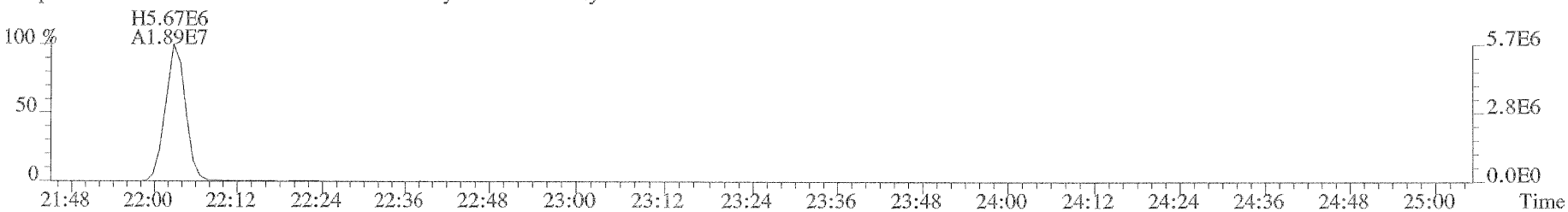
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



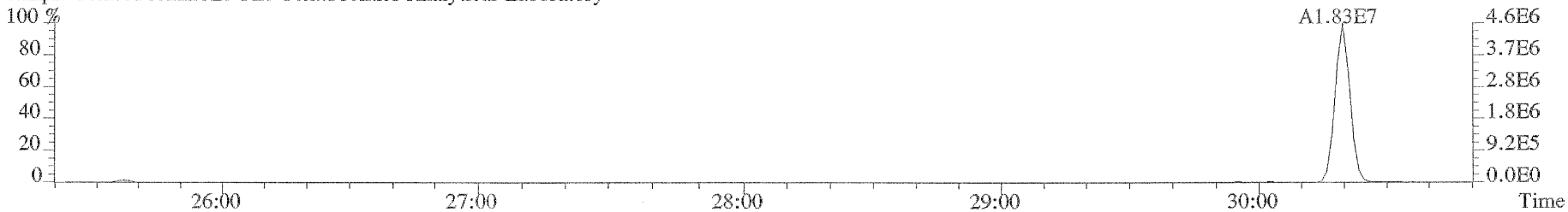
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



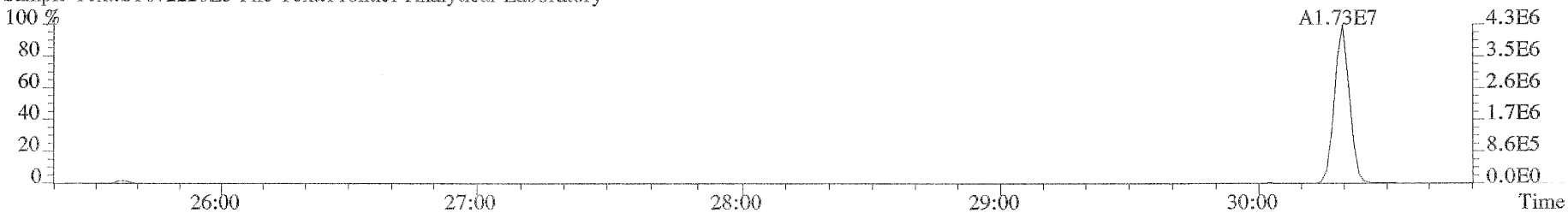
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



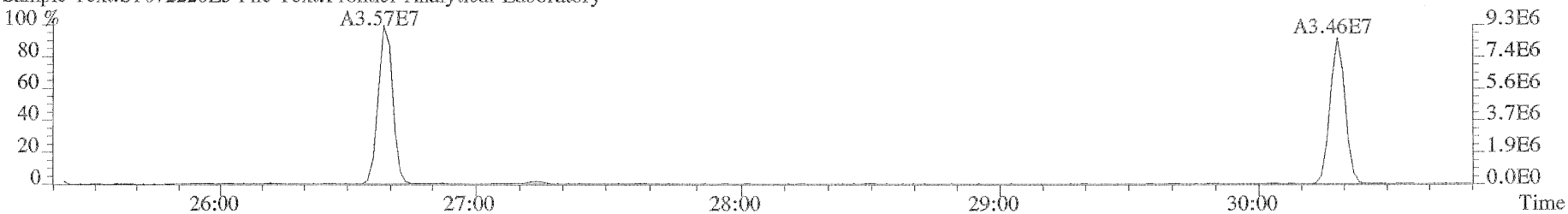
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



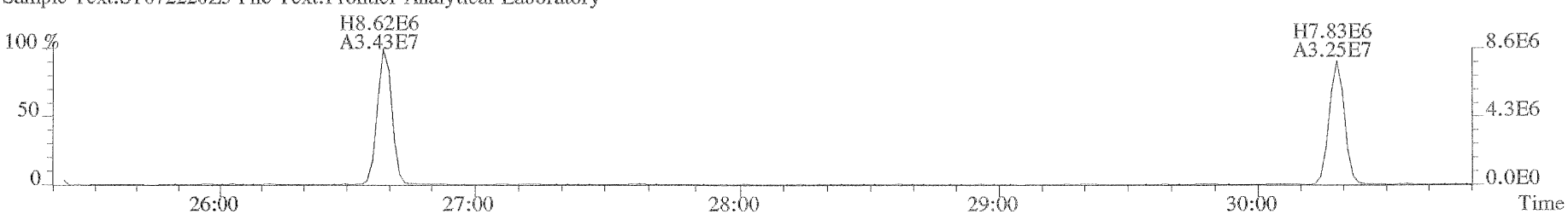
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

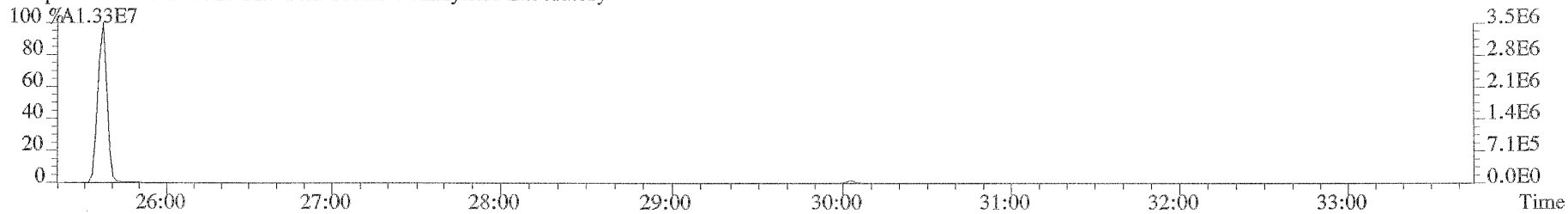


File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

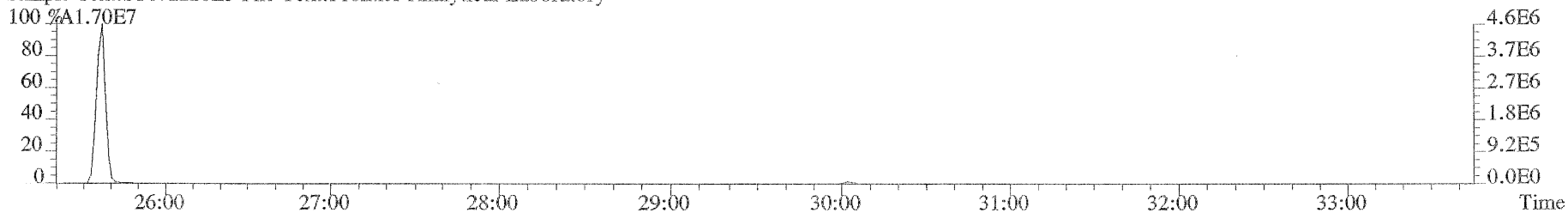


000217

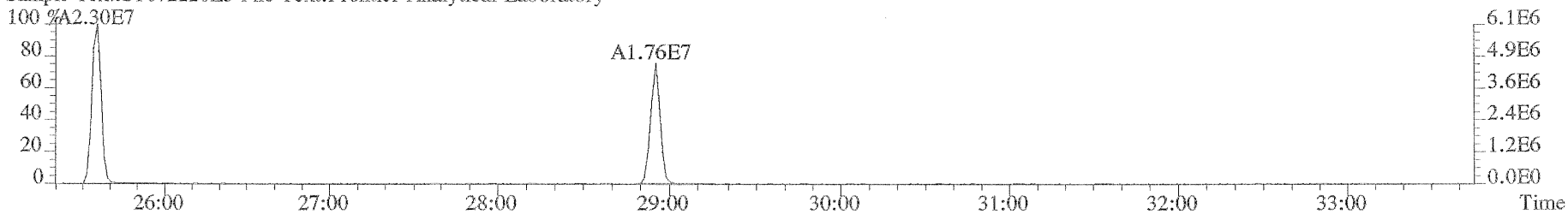
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



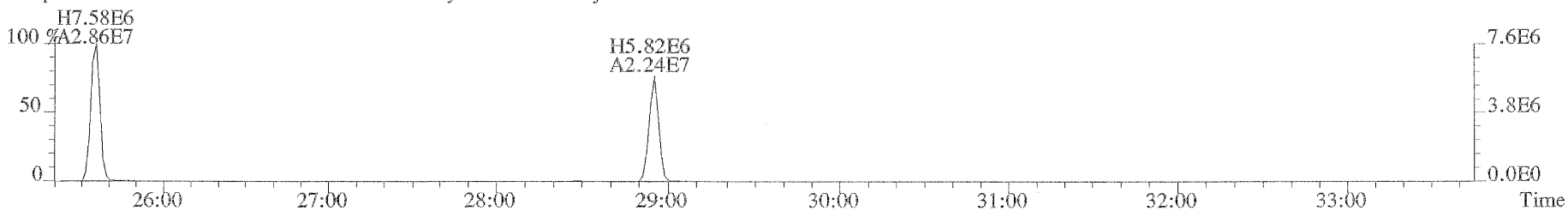
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

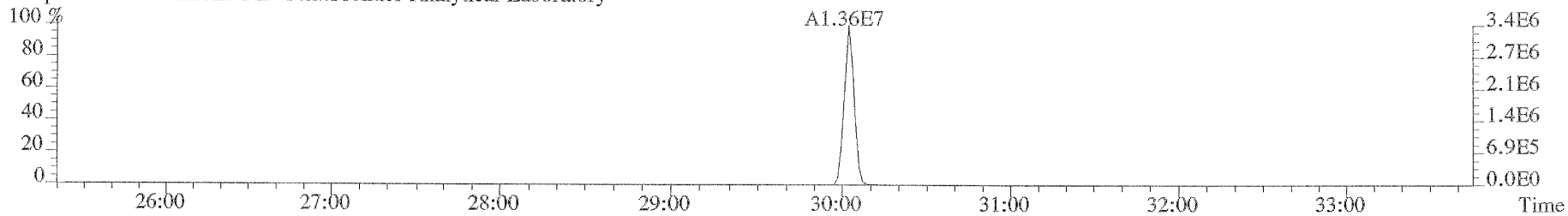


File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

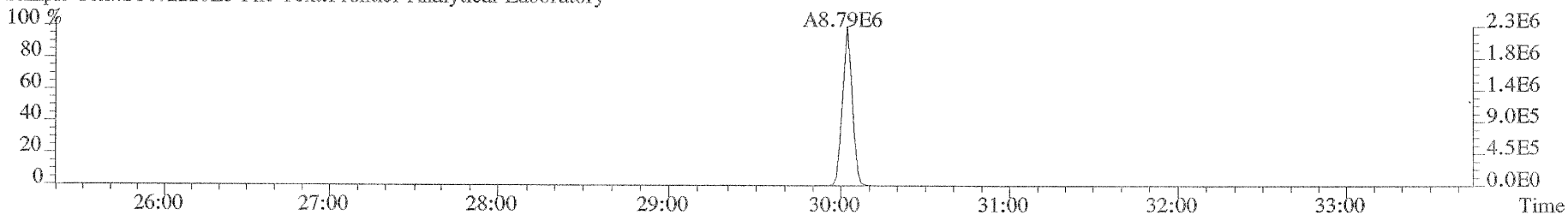


000218

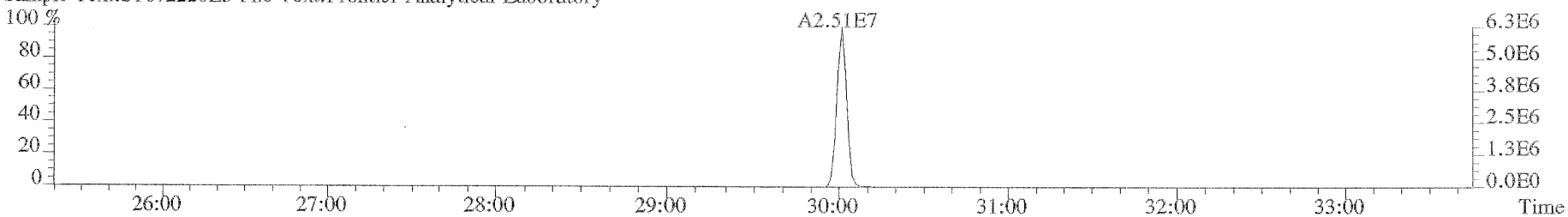
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



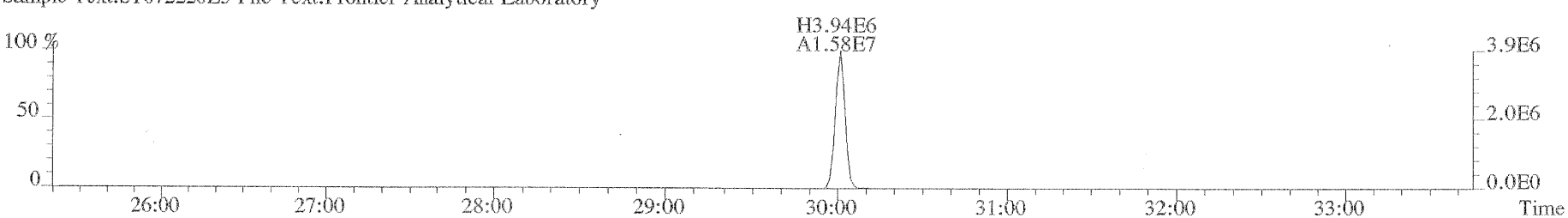
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



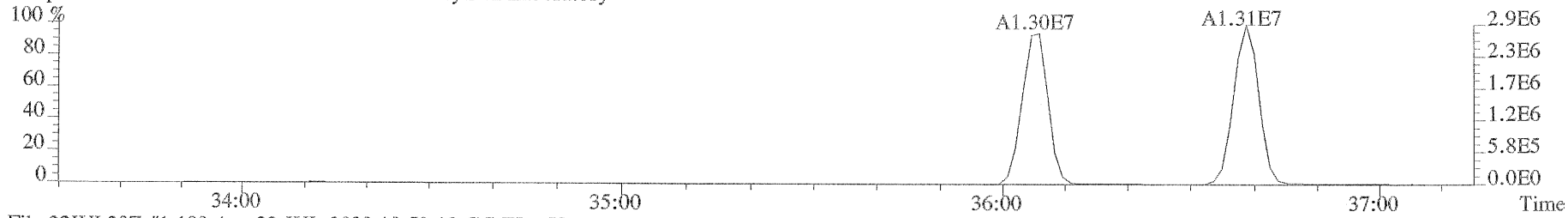
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



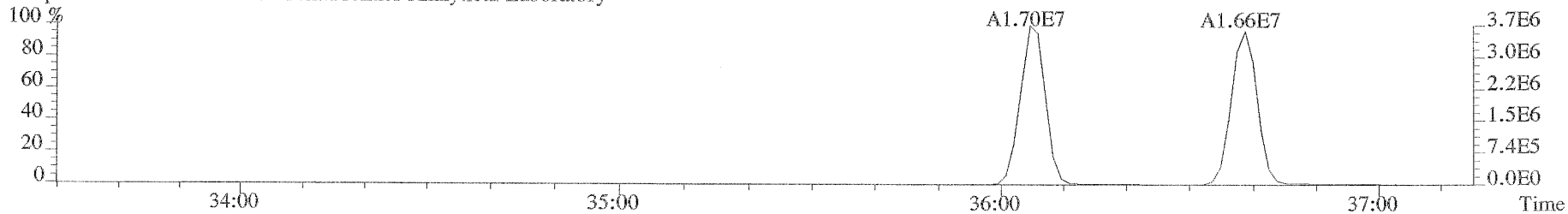
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



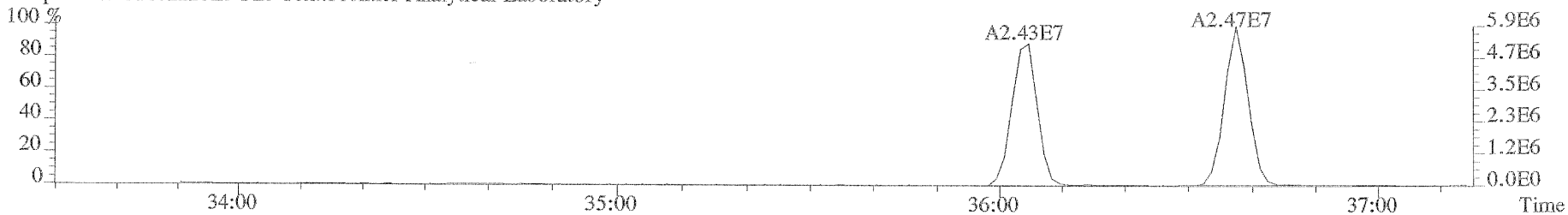
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



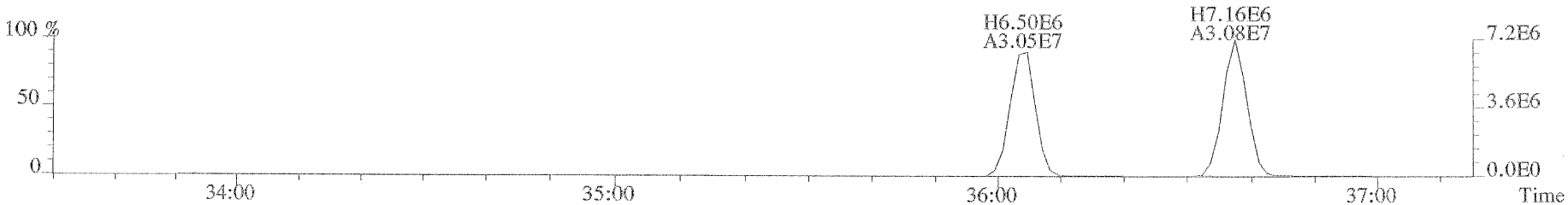
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

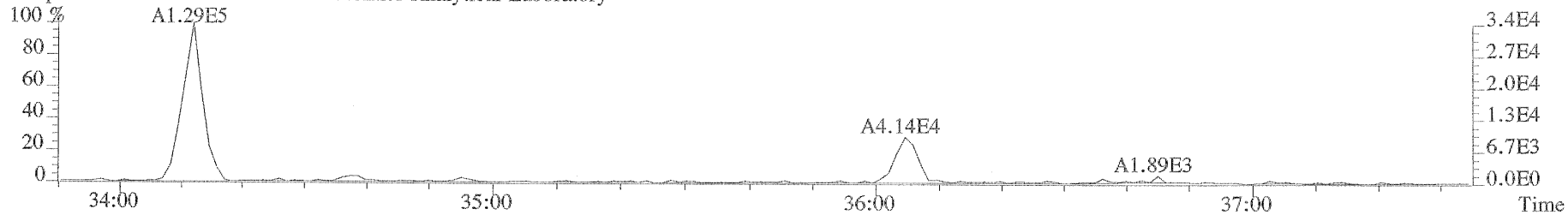


File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

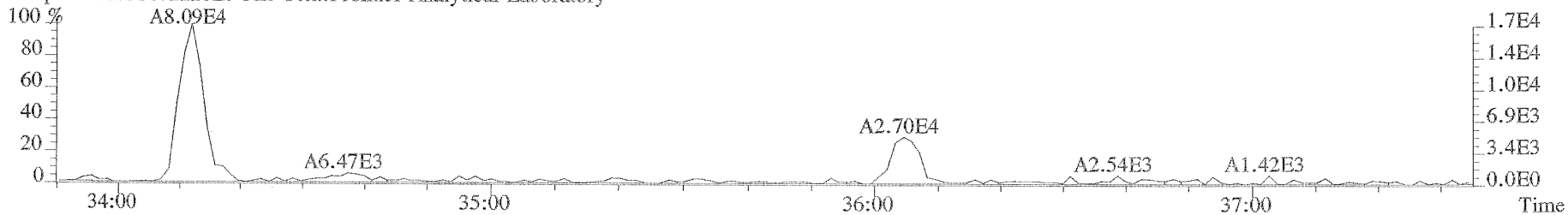


000220

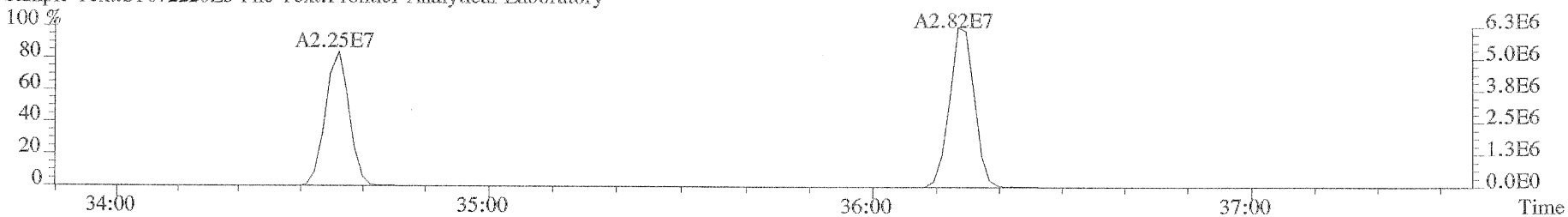
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



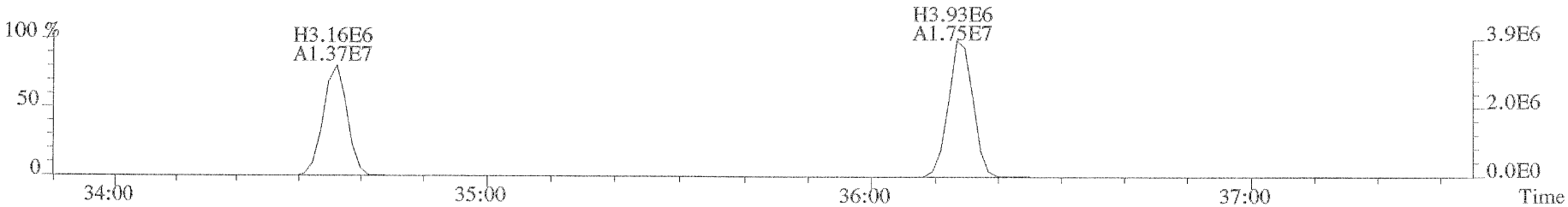
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

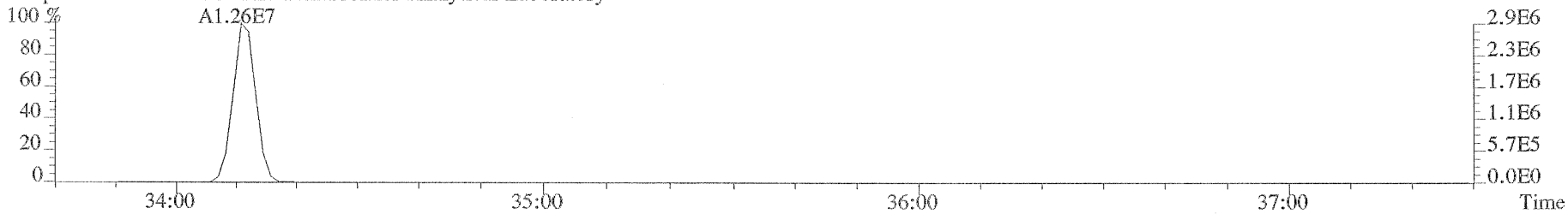


File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

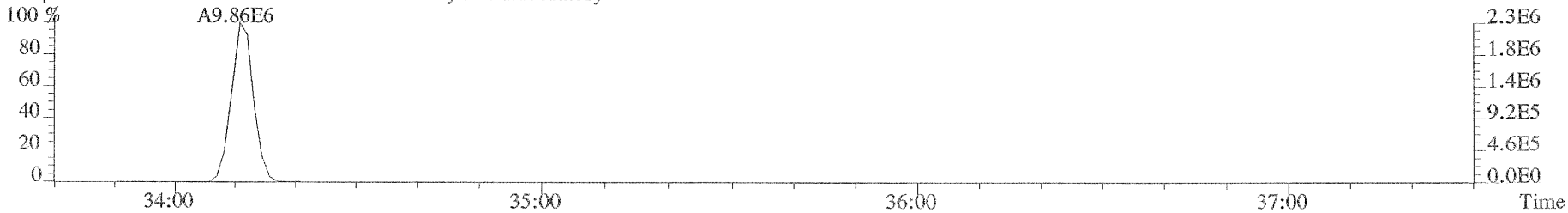


000221

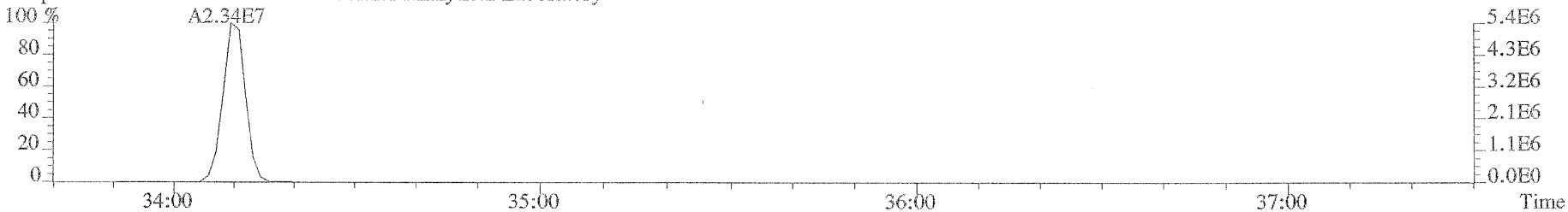
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



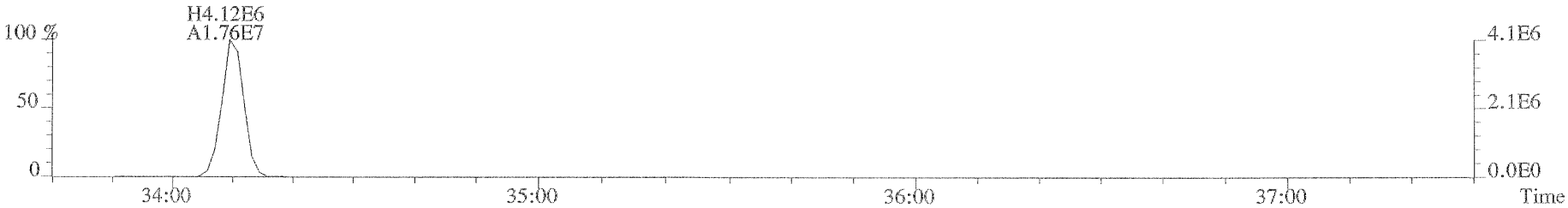
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



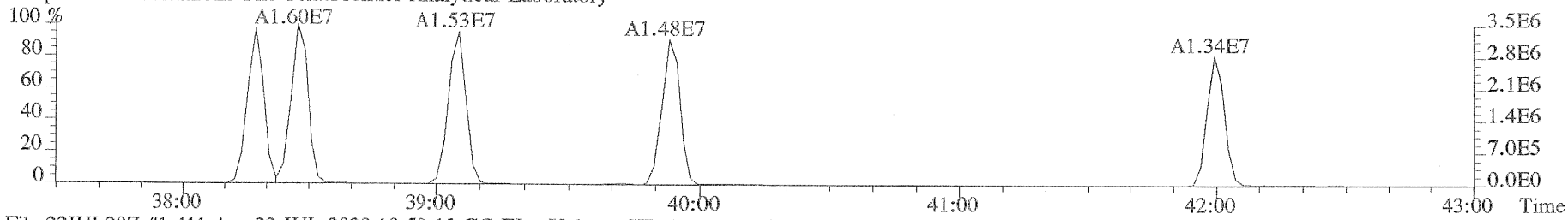
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



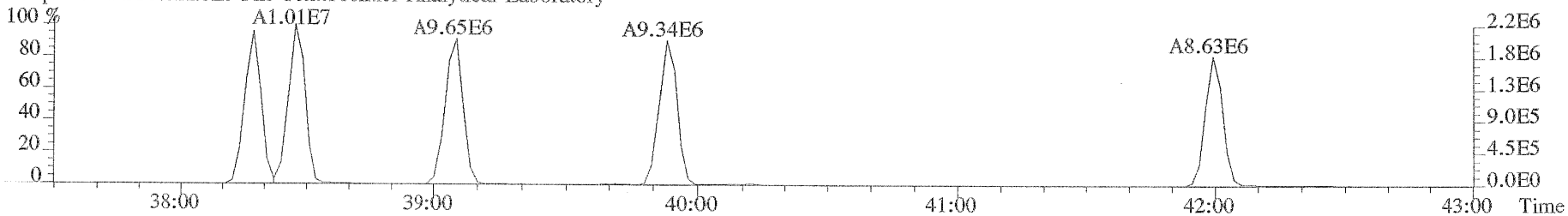
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



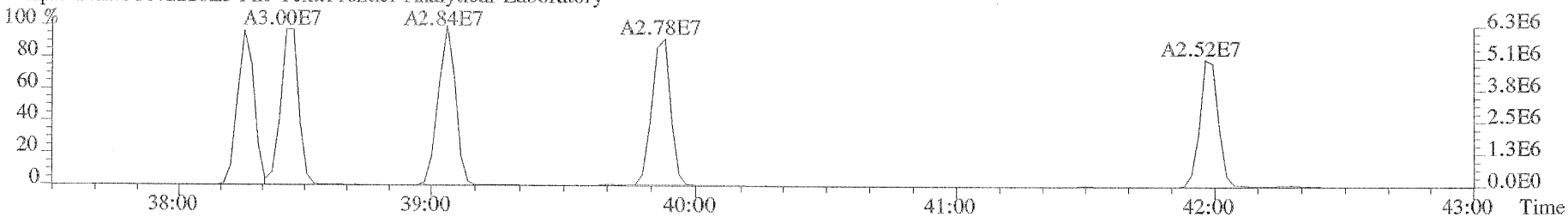
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



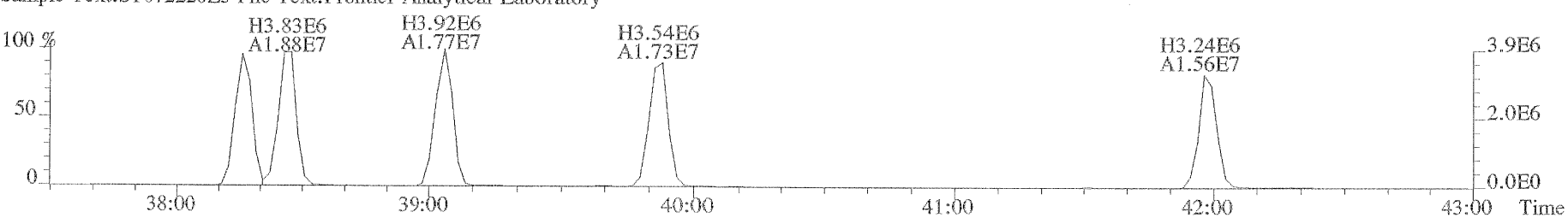
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

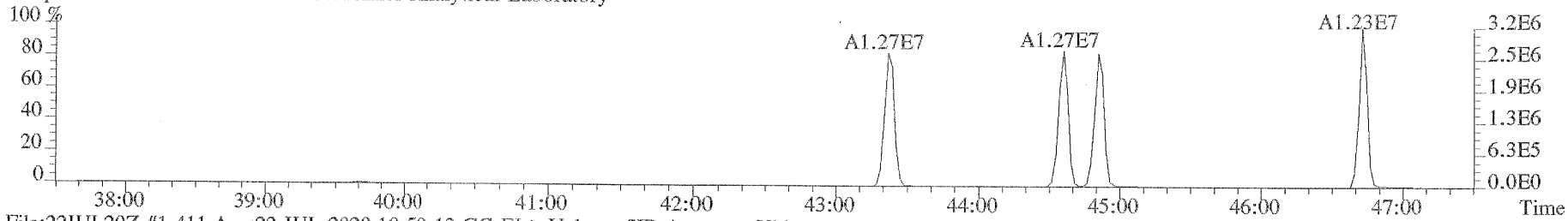


File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

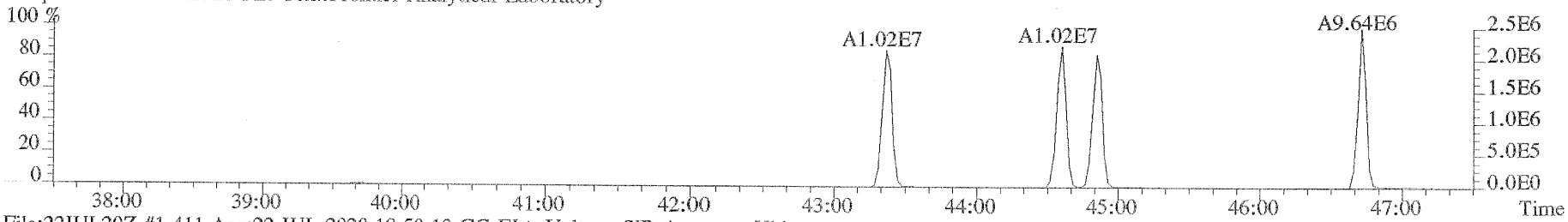


000223

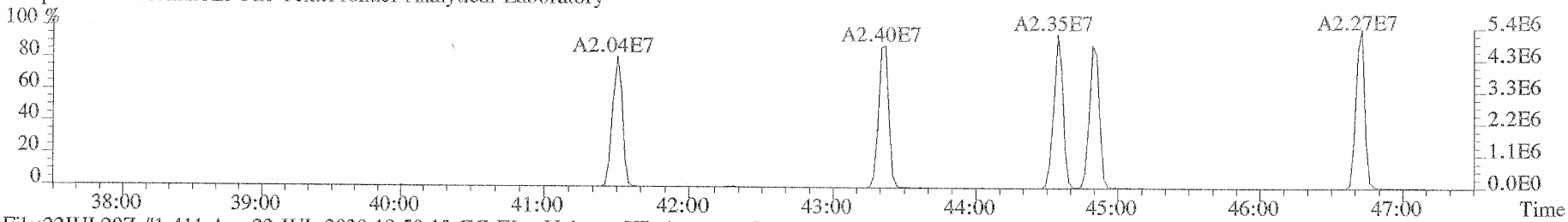
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



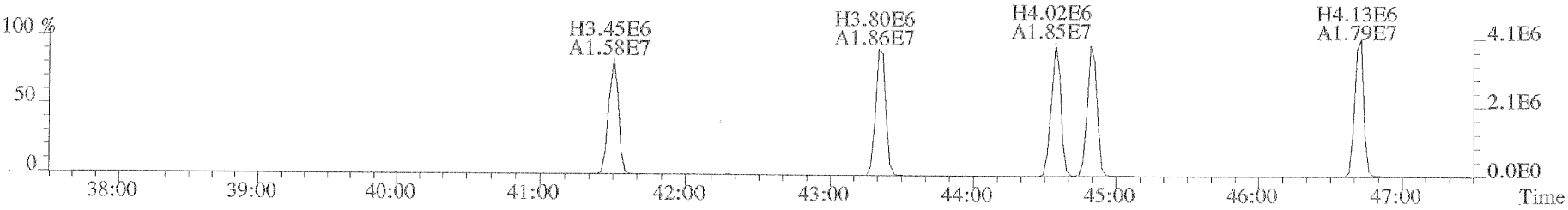
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



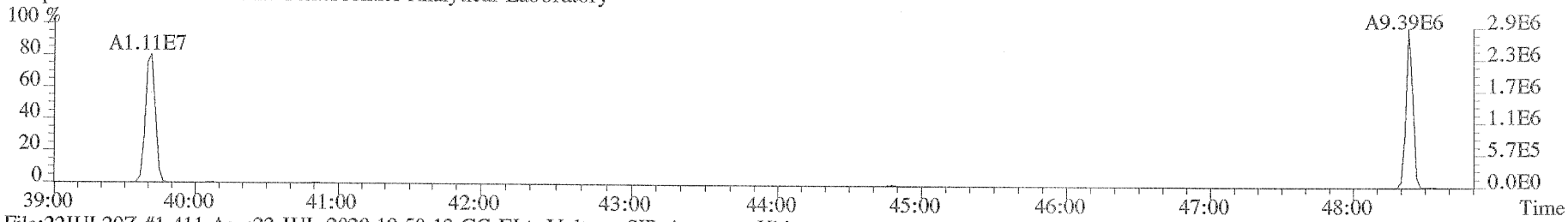
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



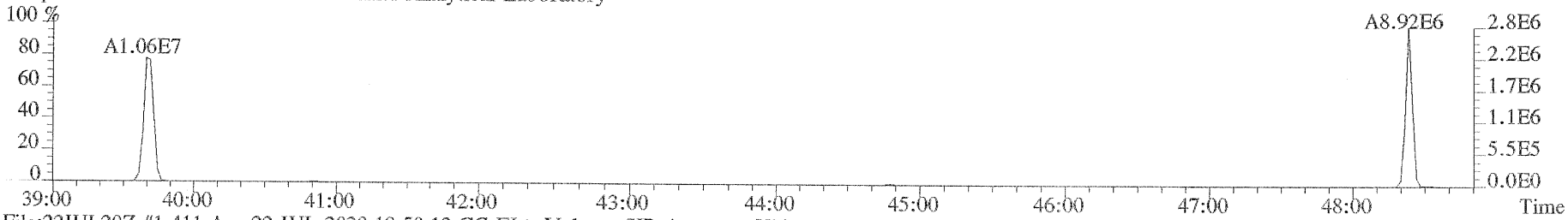
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



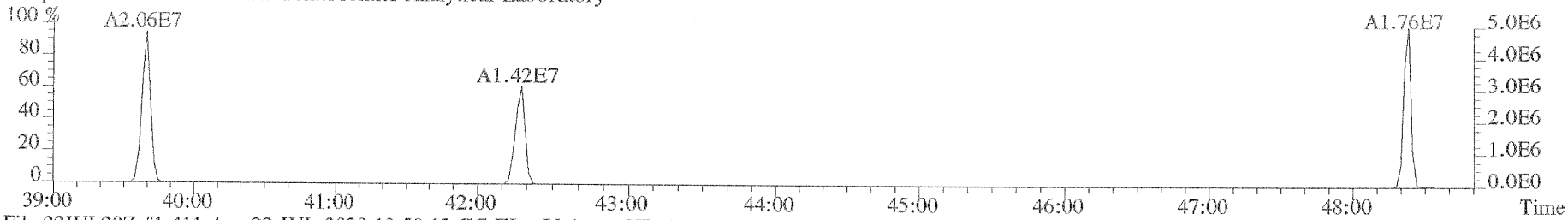
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



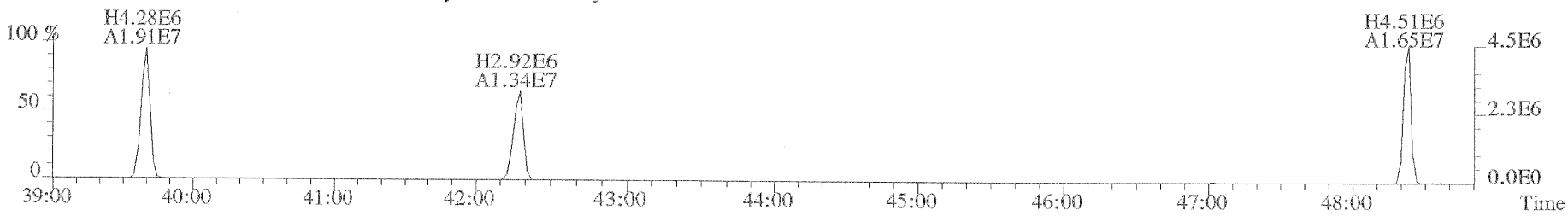
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

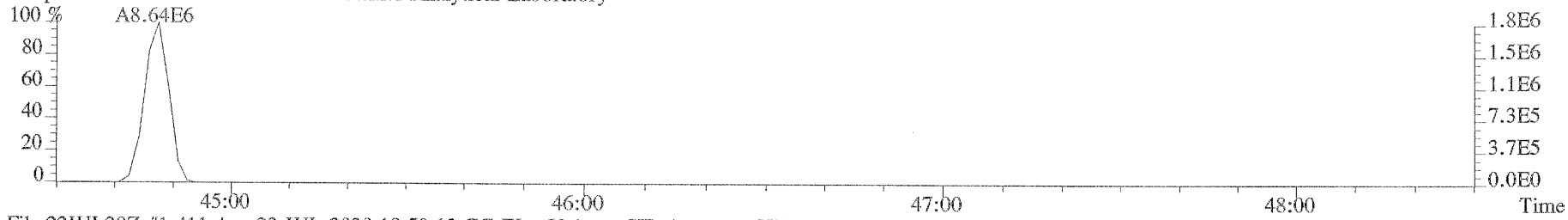


File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

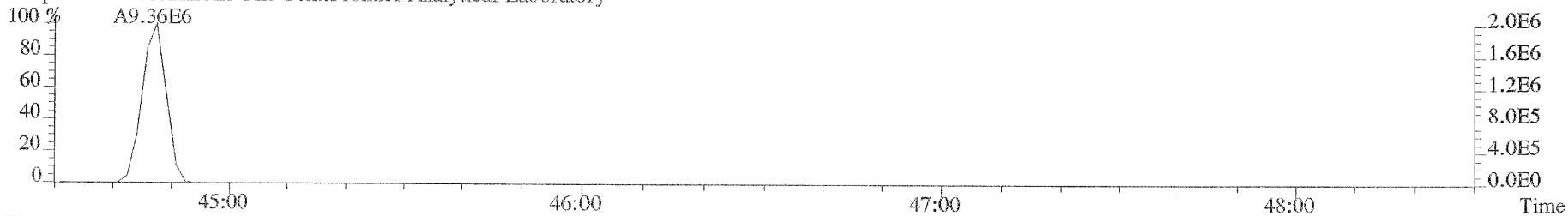


000225

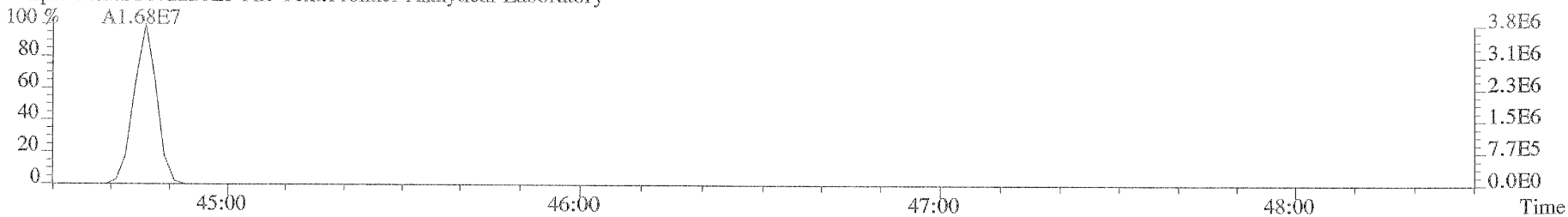
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



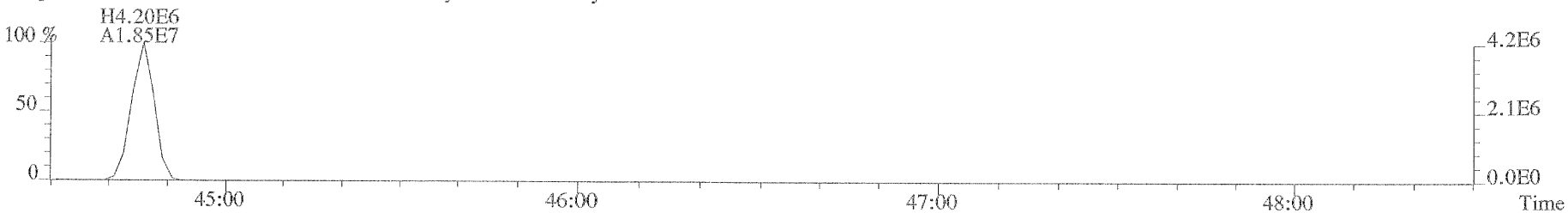
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



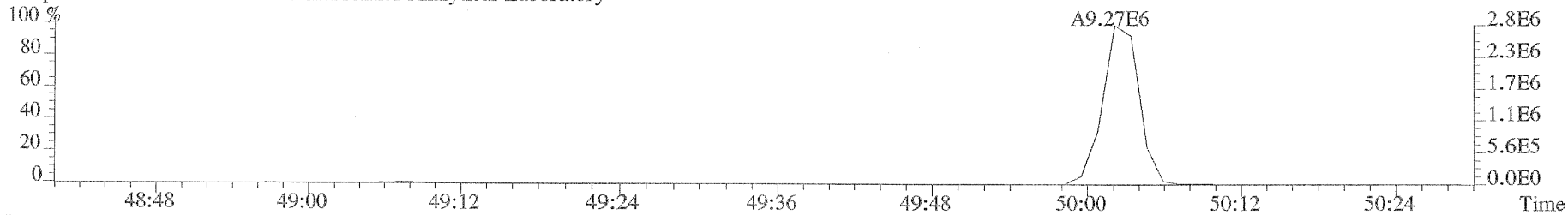
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



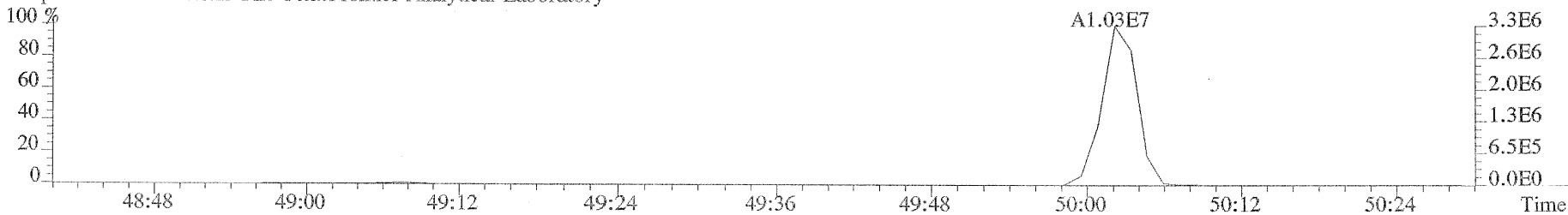
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



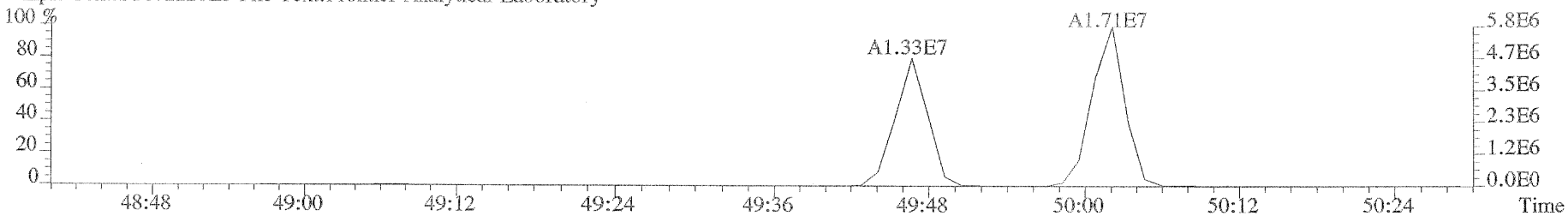
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



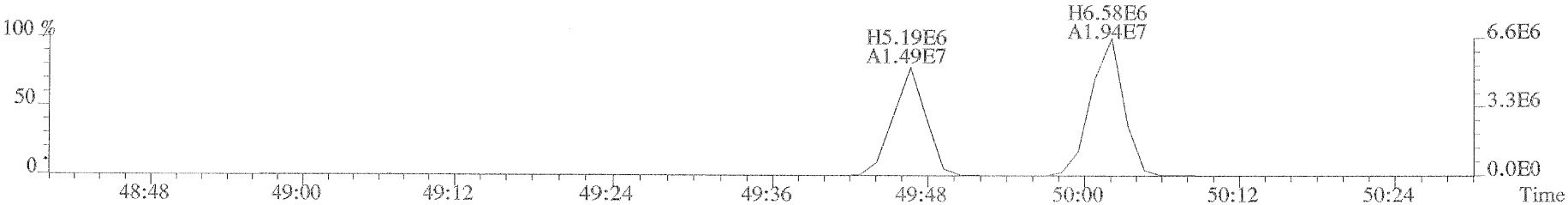
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



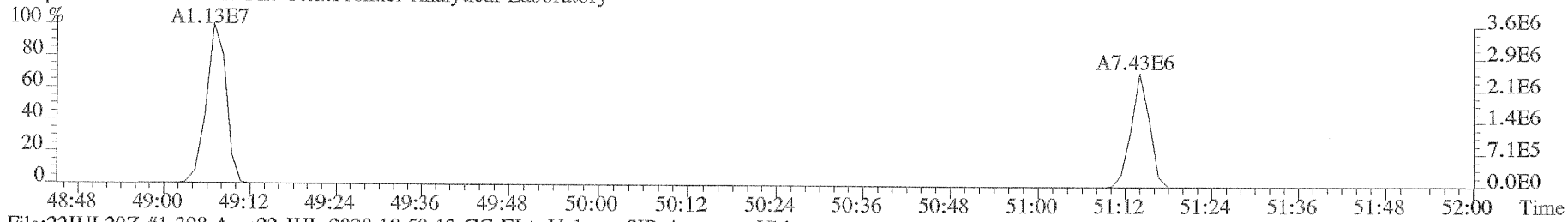
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



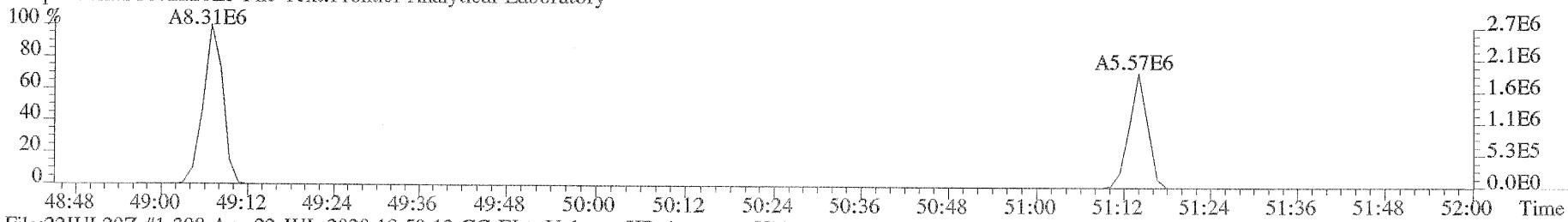
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



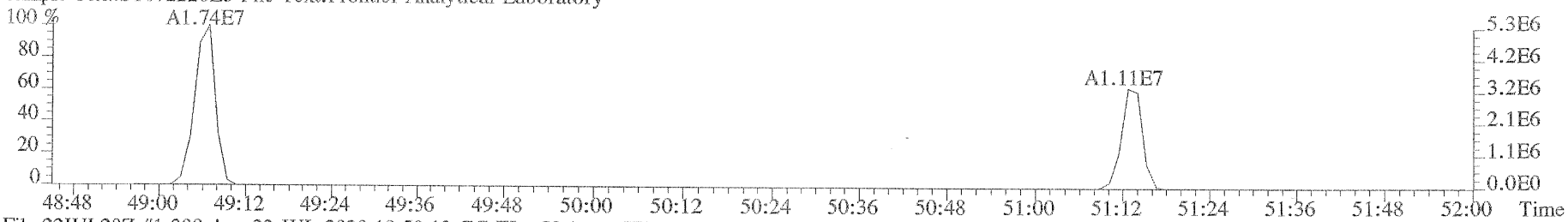
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



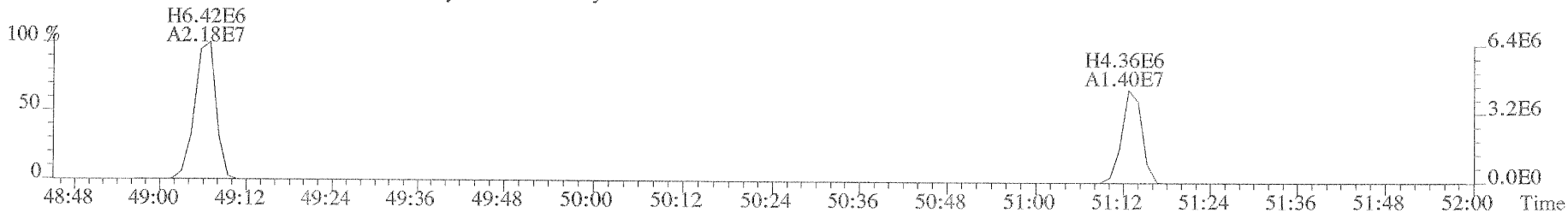
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

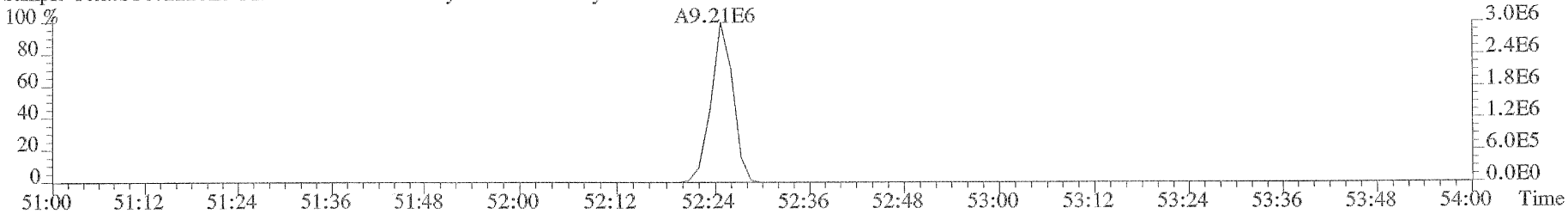


File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

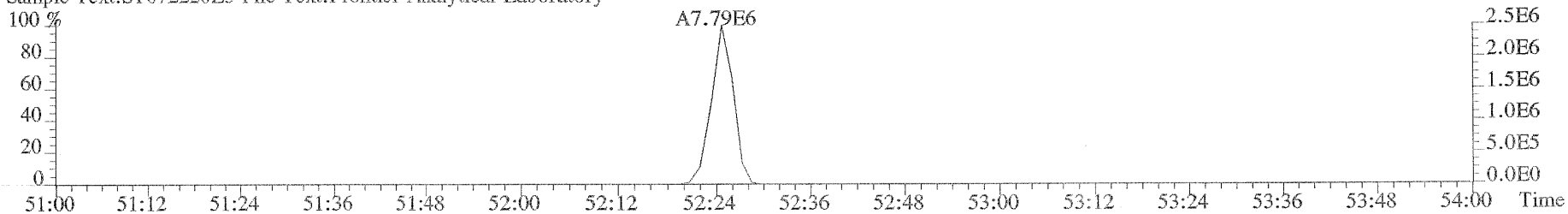


000228

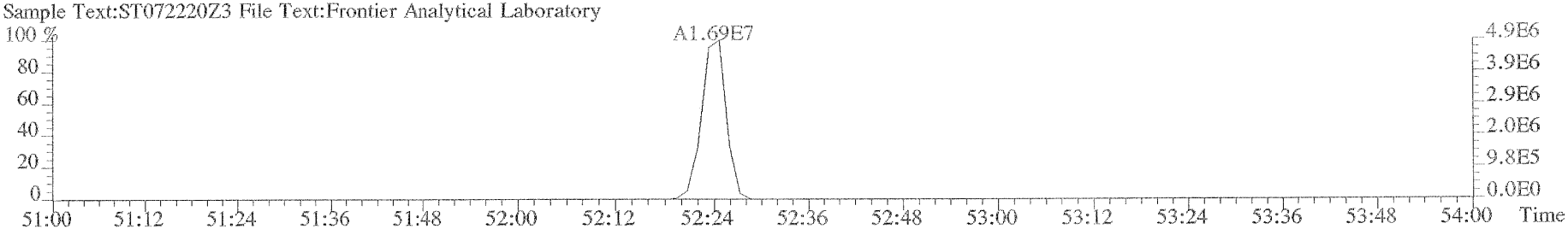
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



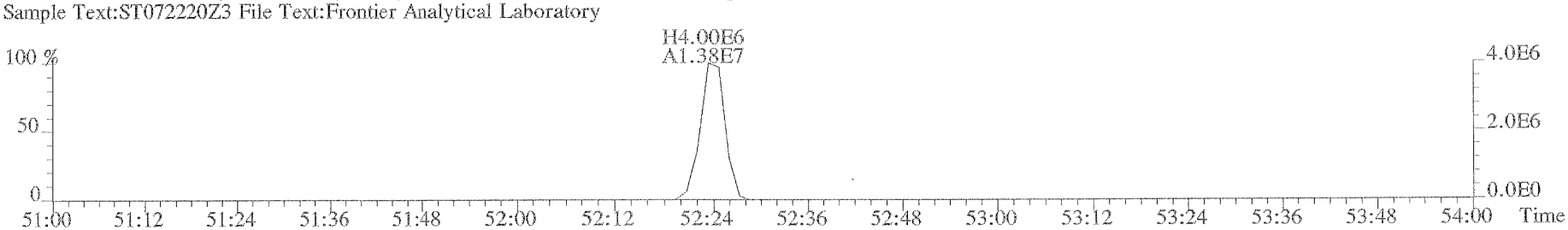
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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

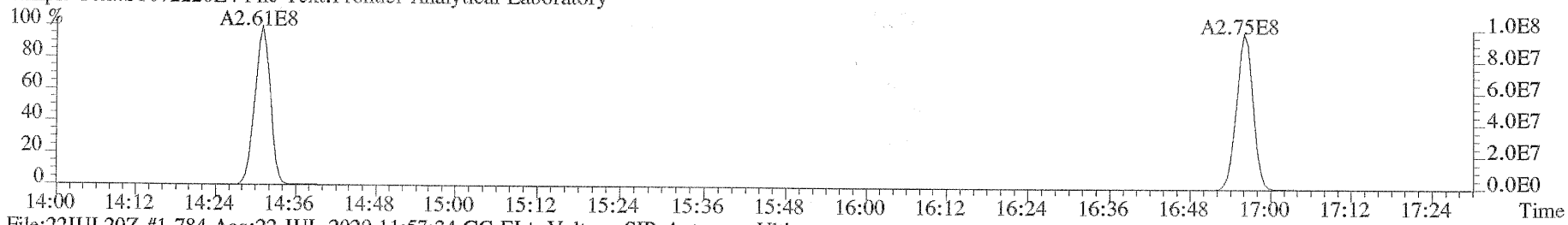


File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory

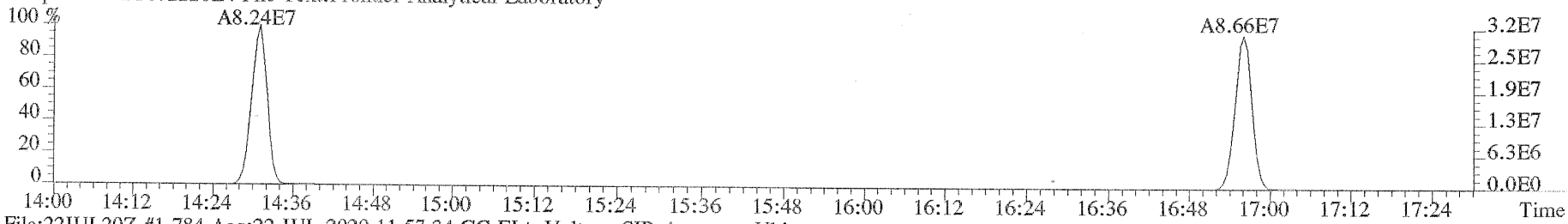


000229

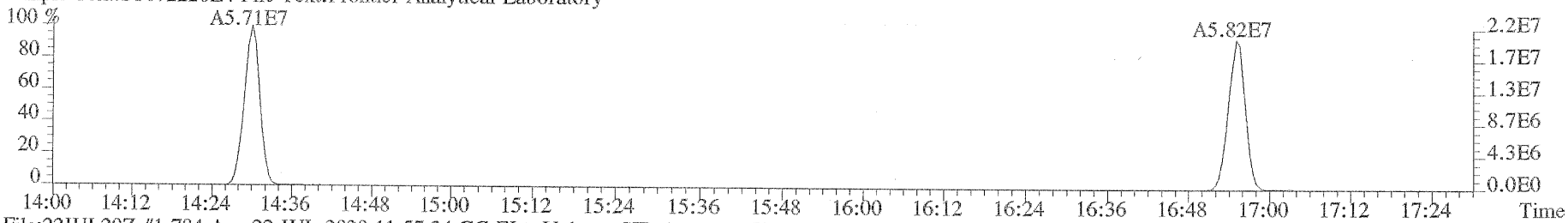
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



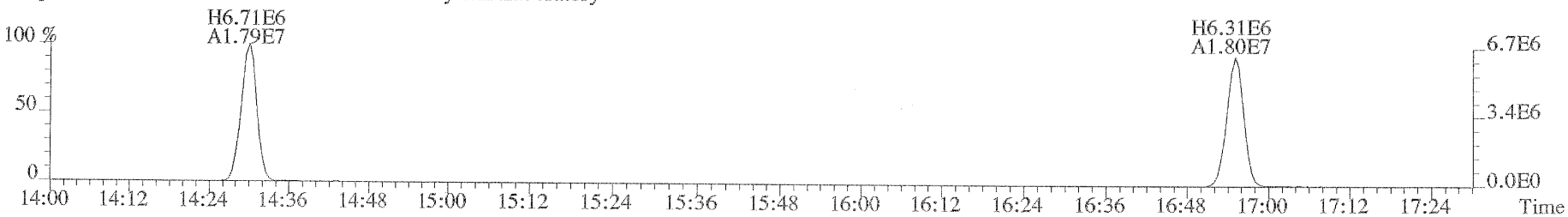
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



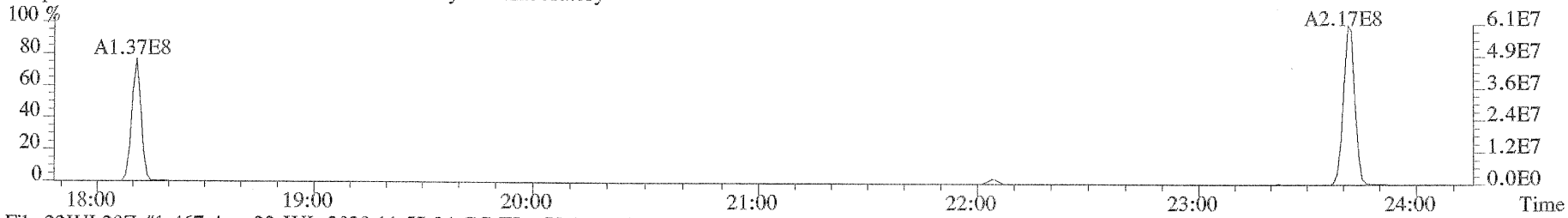
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



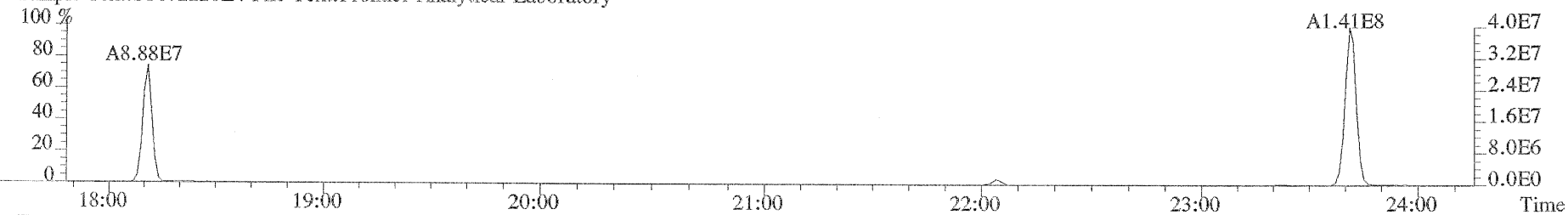
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



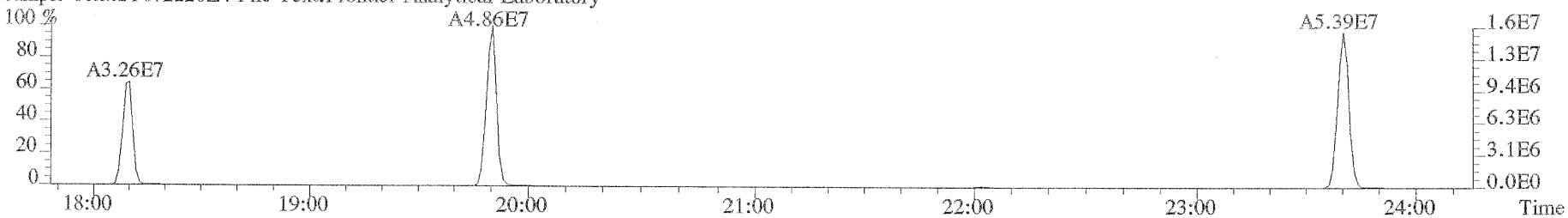
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



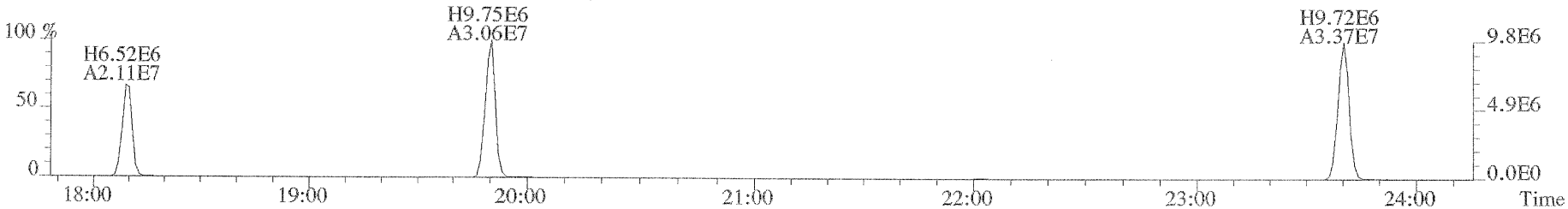
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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

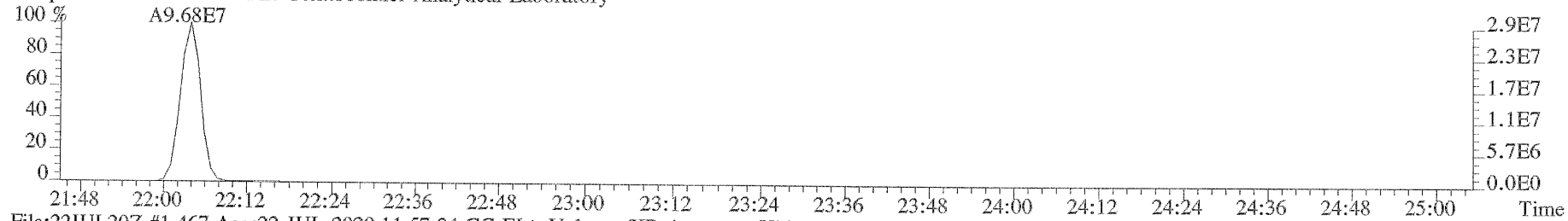


File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory

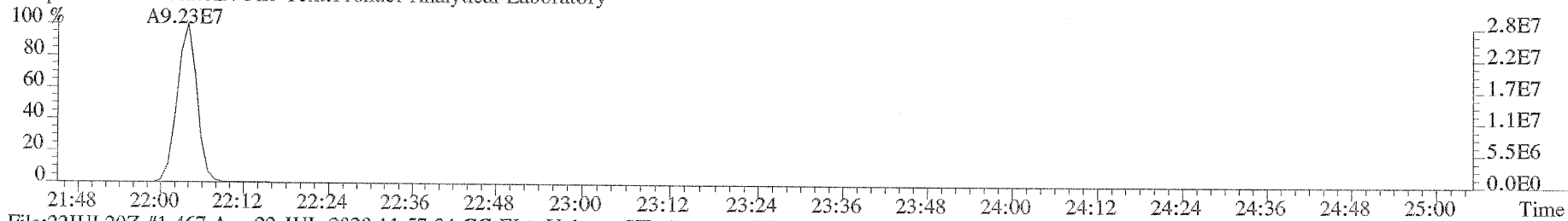


000231

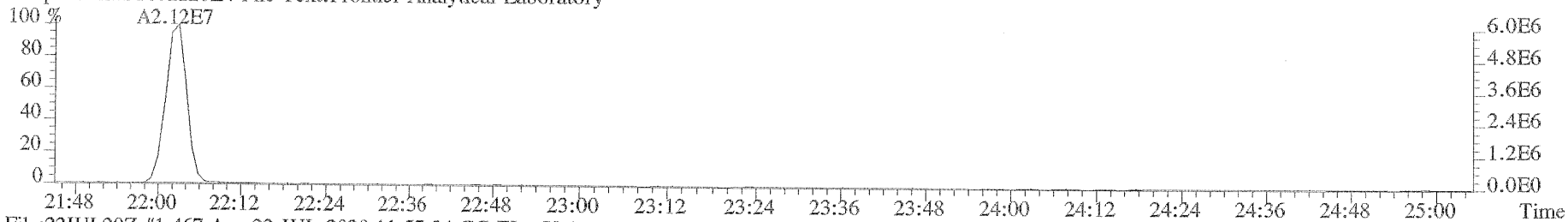
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



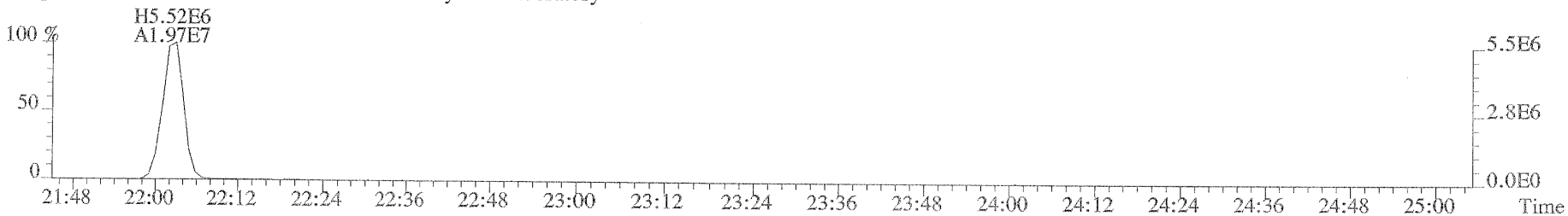
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



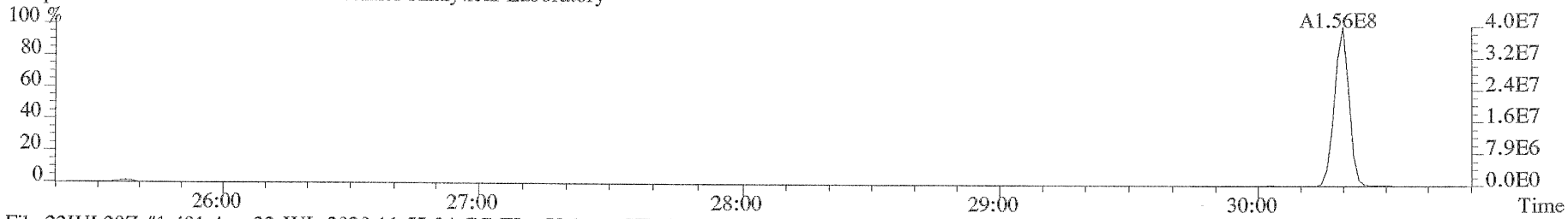
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



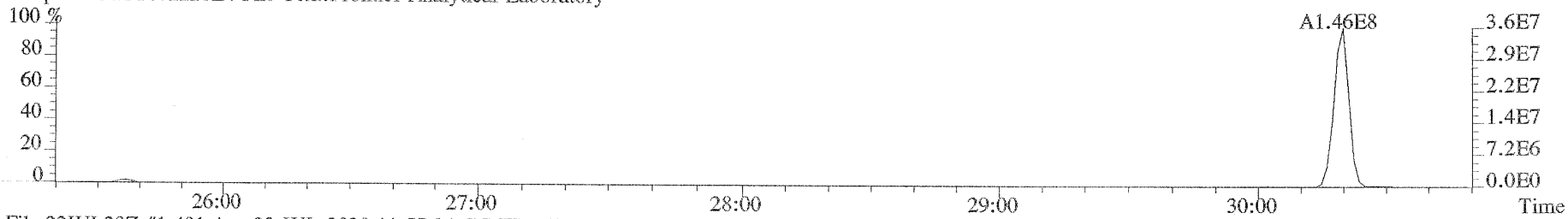
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



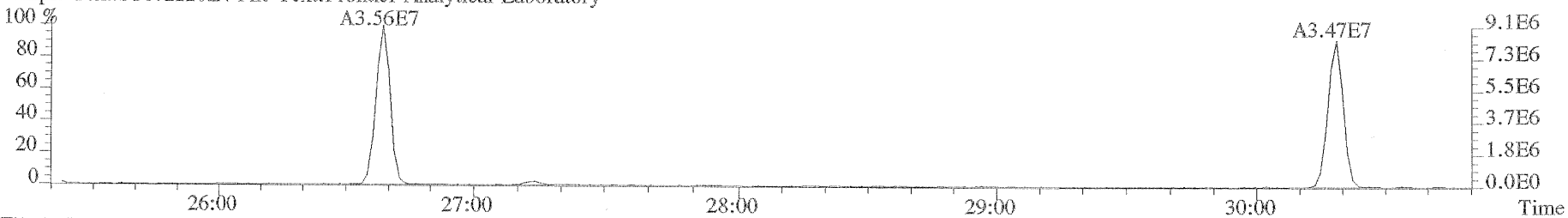
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



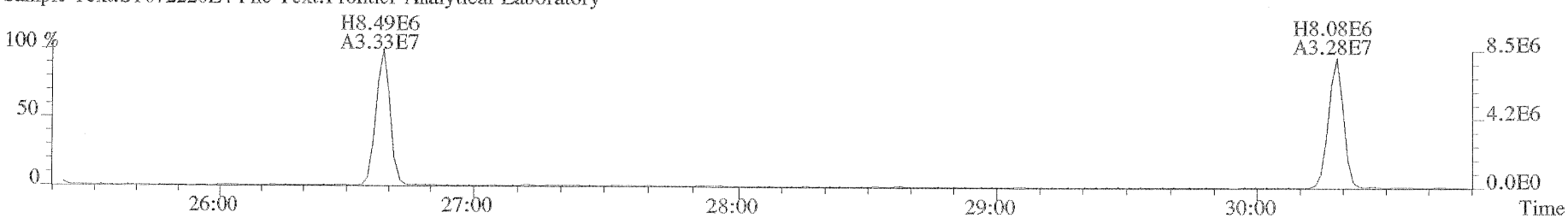
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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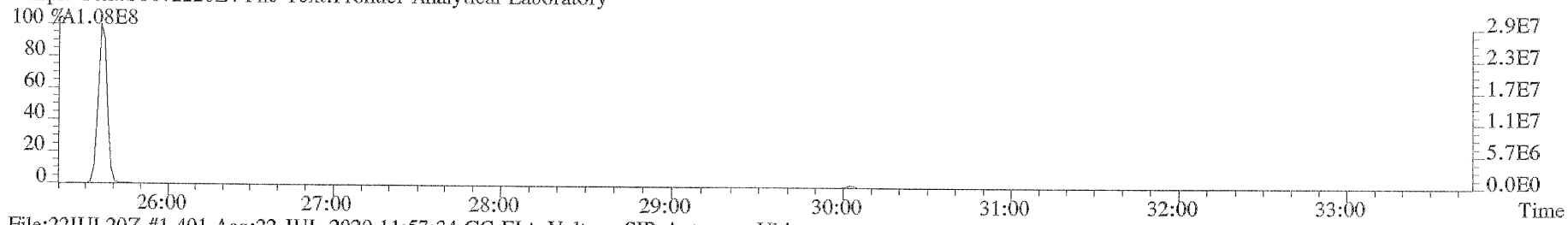
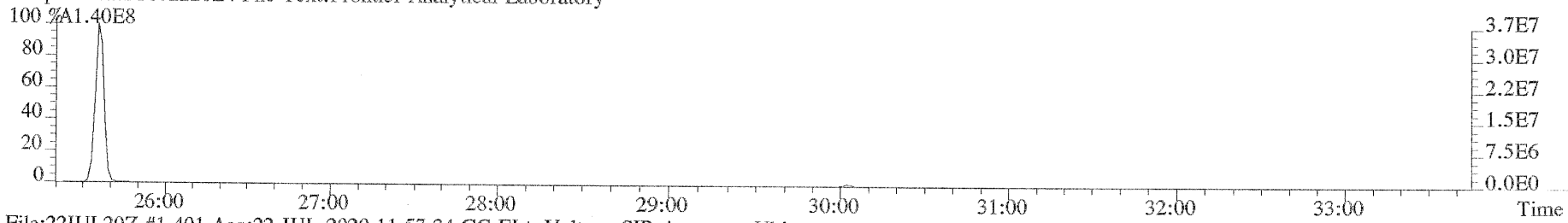
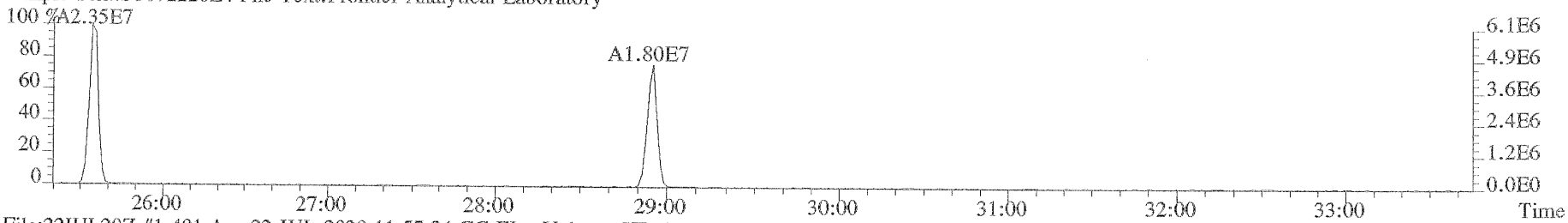
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



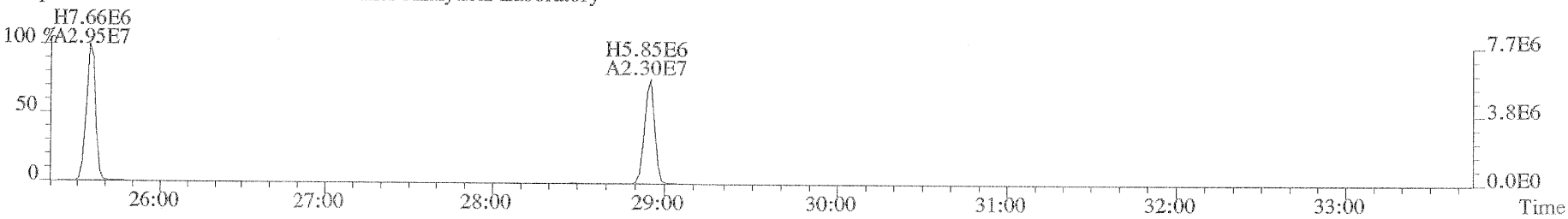
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



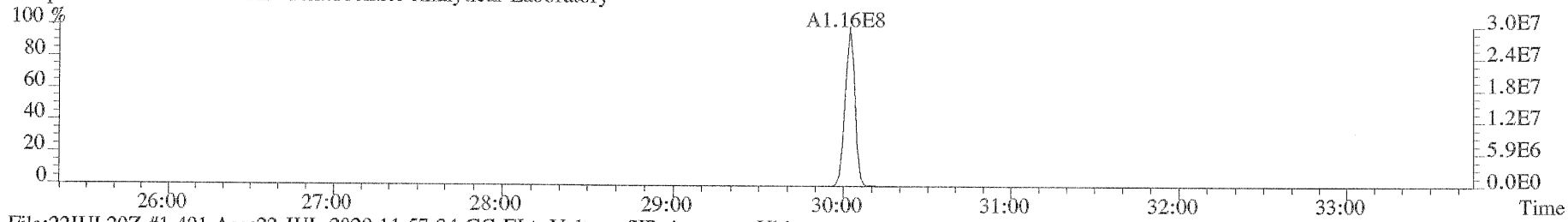
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



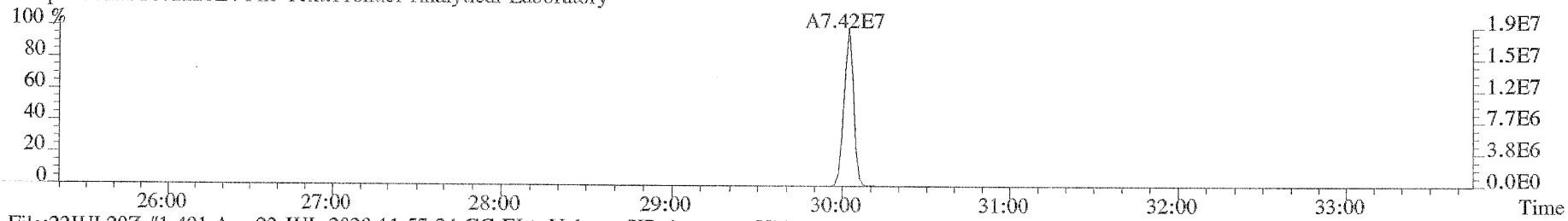
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



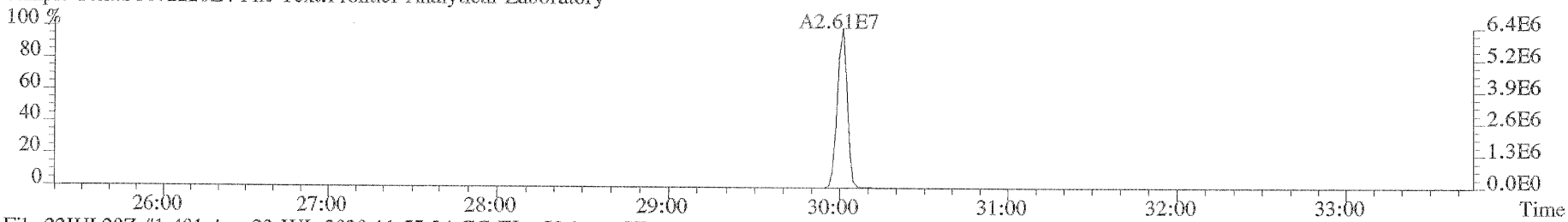
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



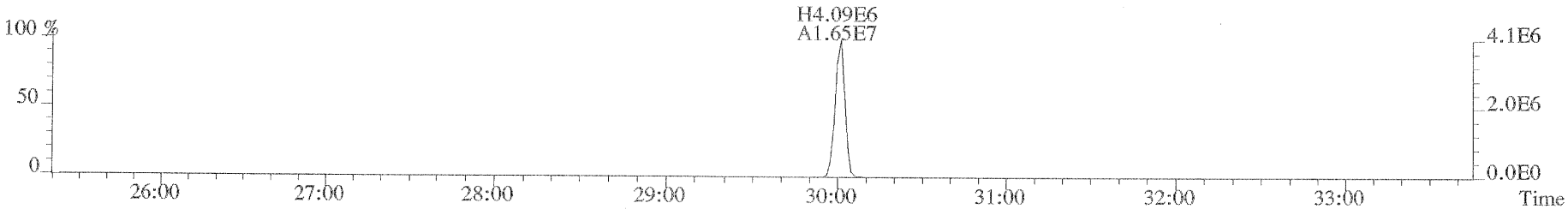
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



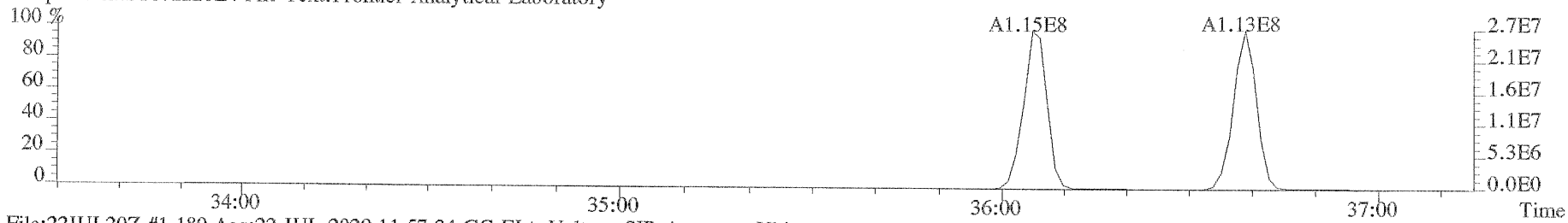
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



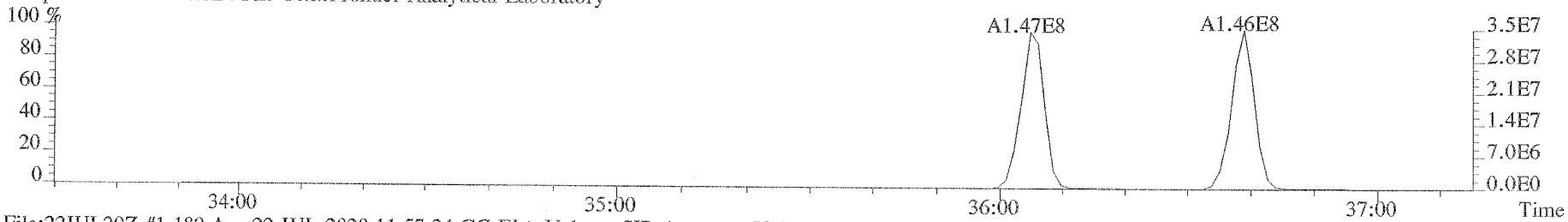
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



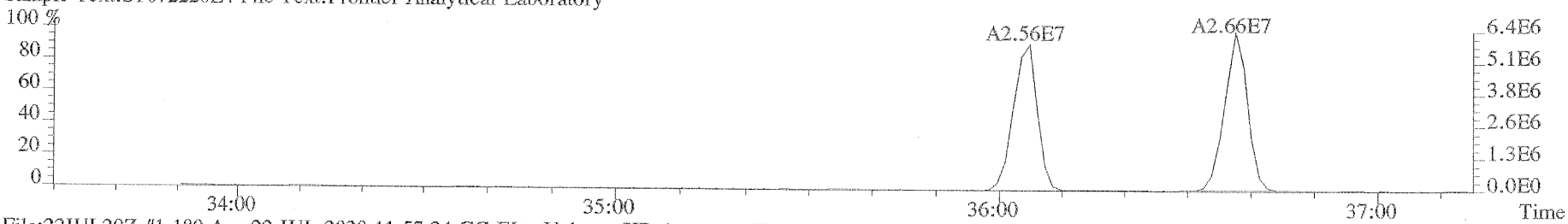
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



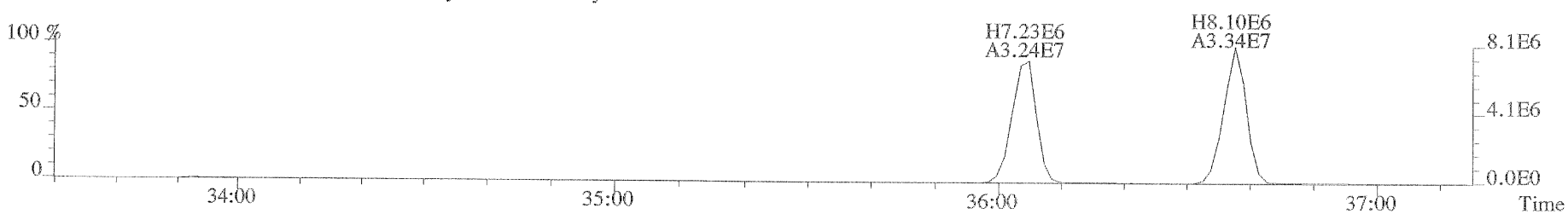
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



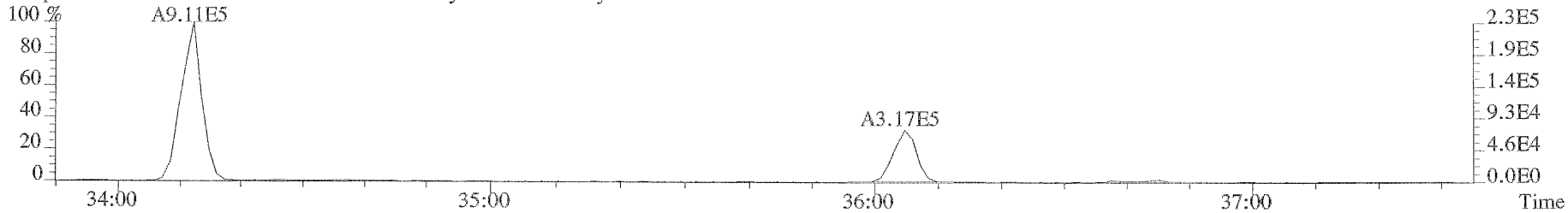
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



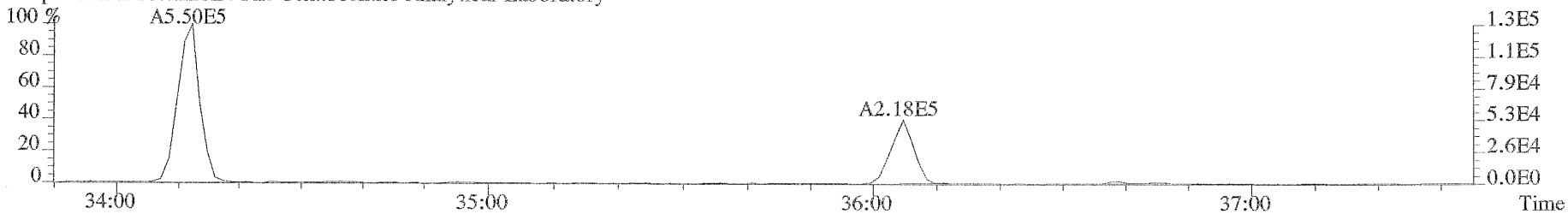
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



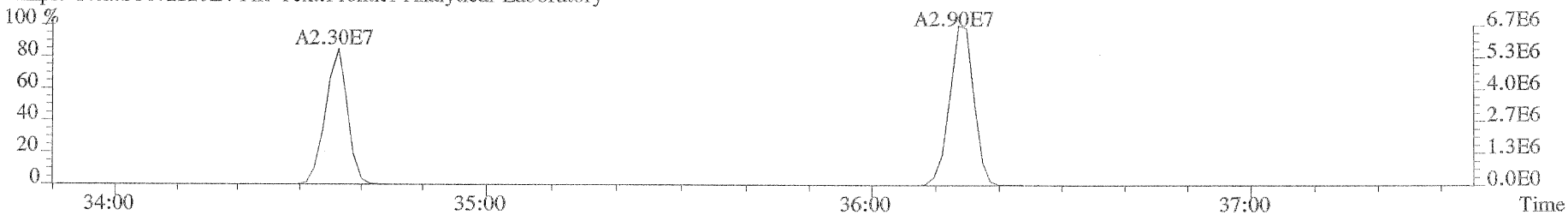
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



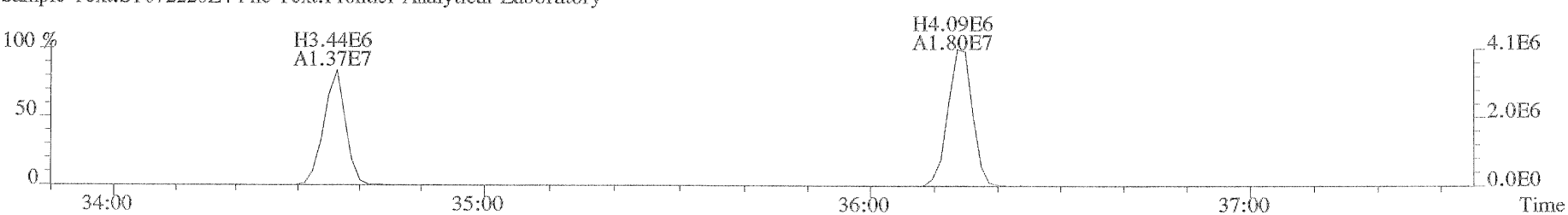
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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

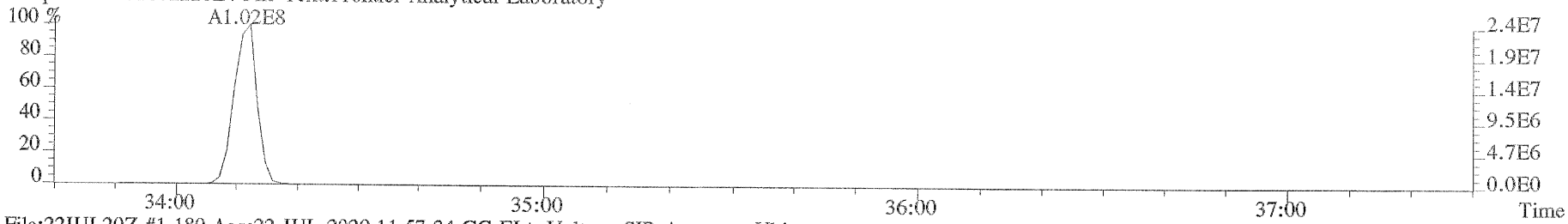


File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory

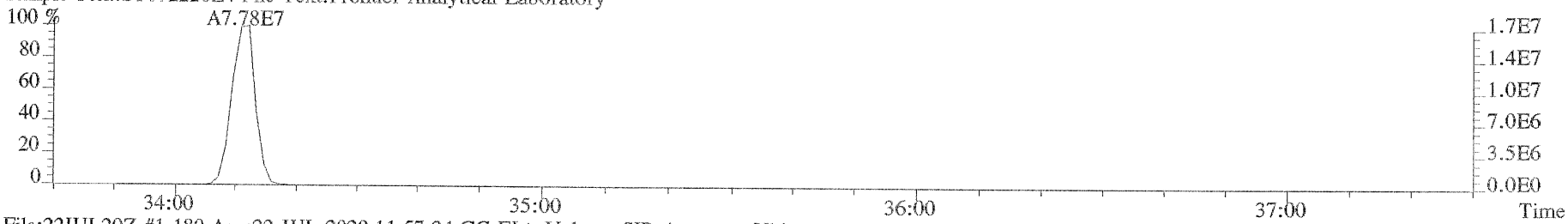


000237

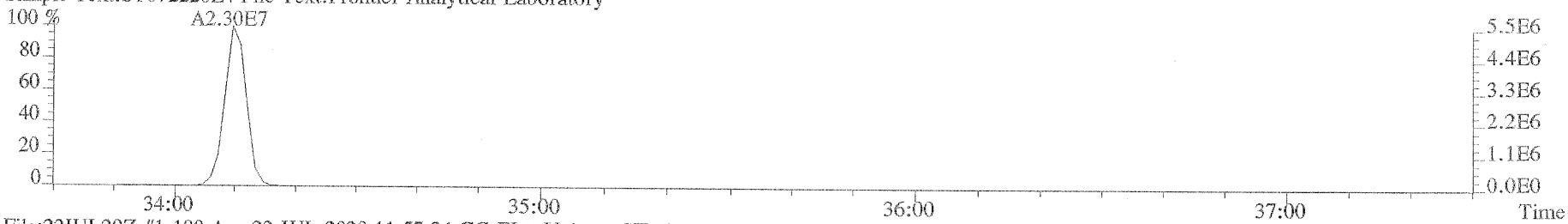
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



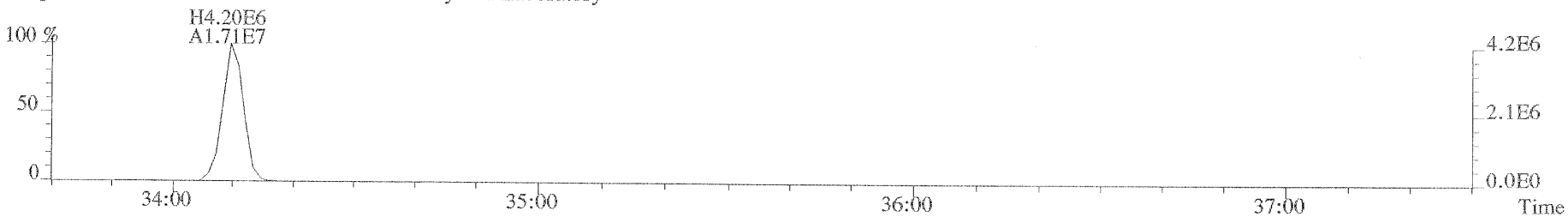
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



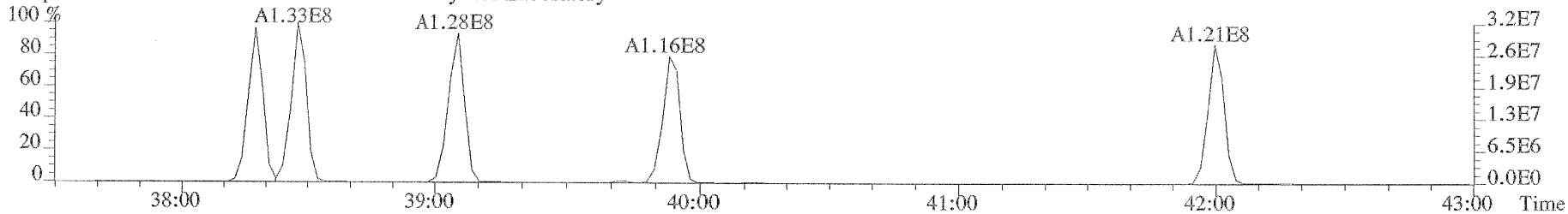
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



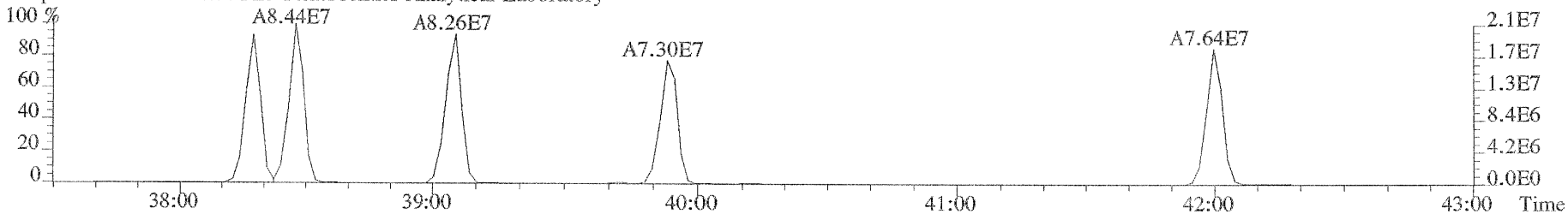
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



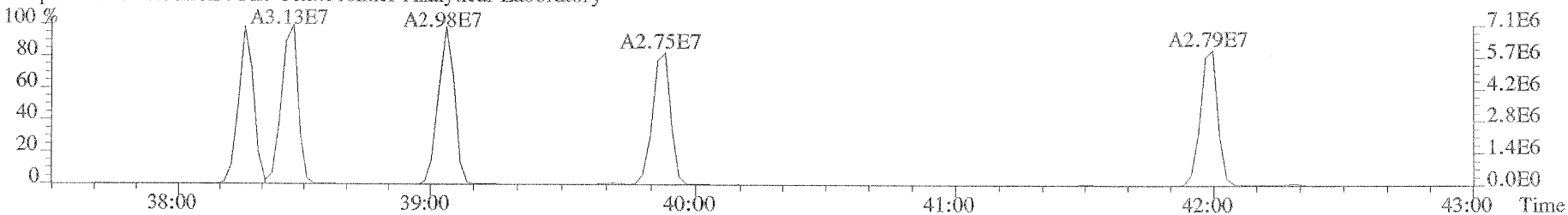
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



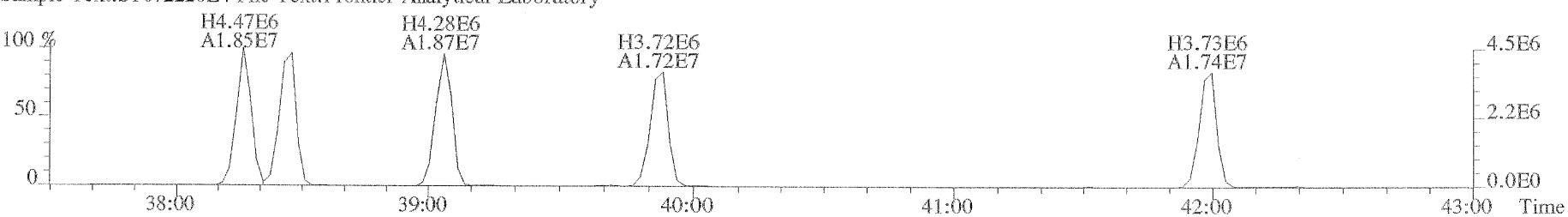
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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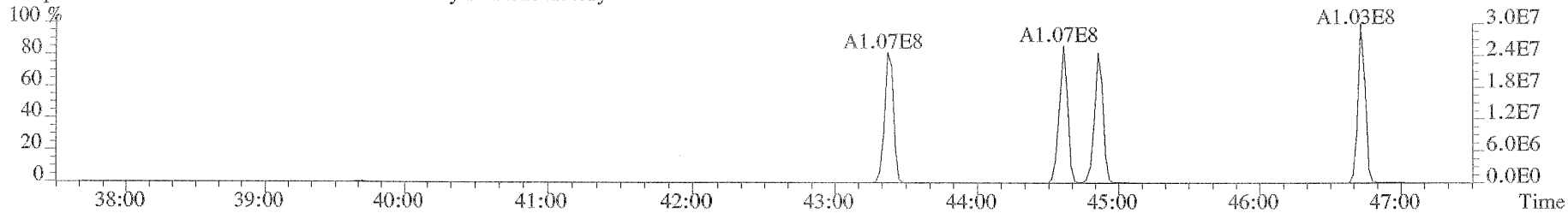
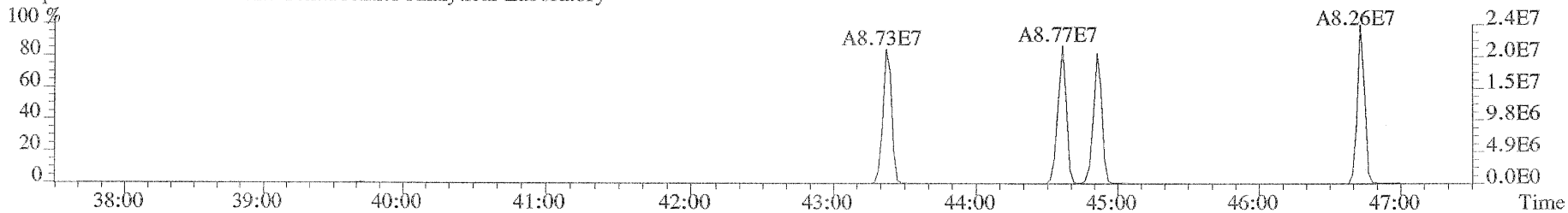
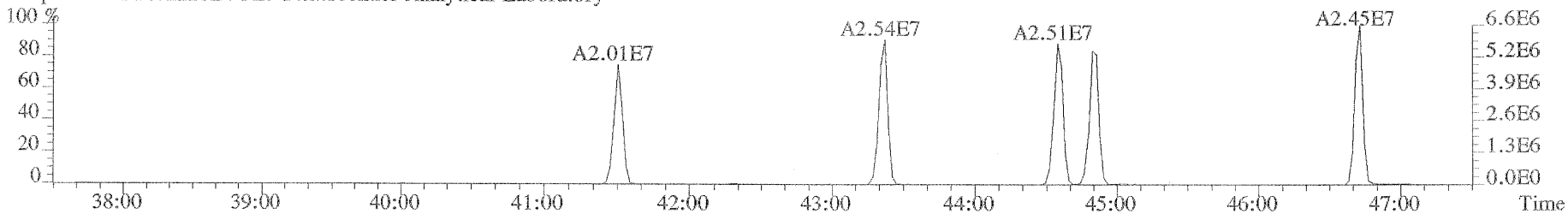
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



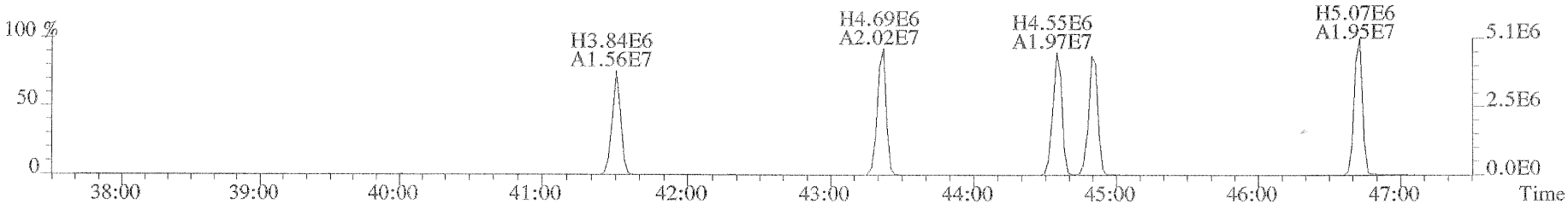
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



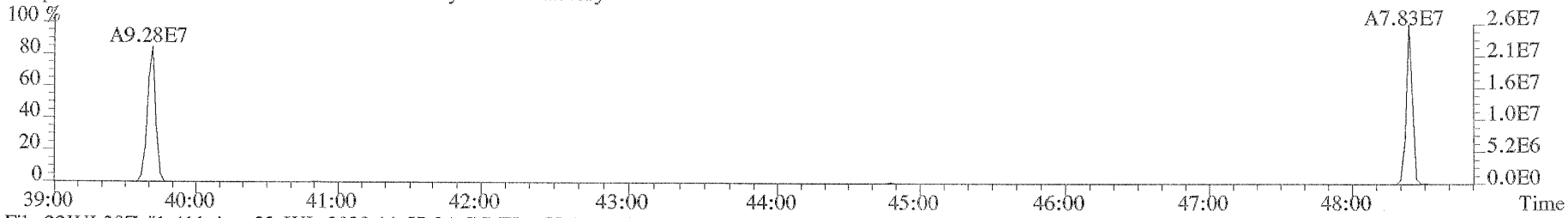
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



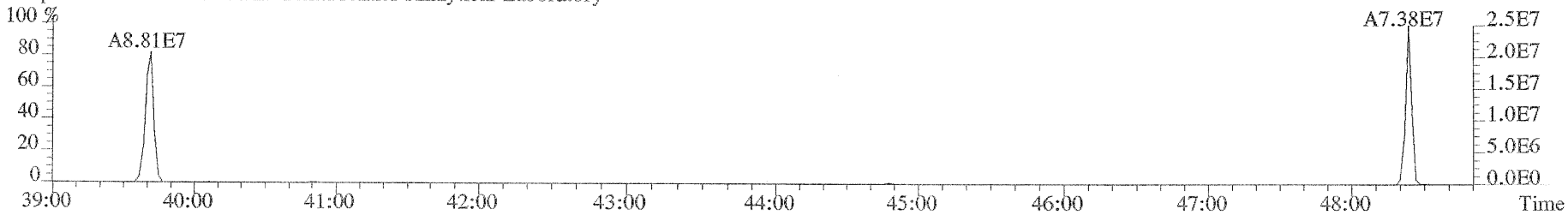
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



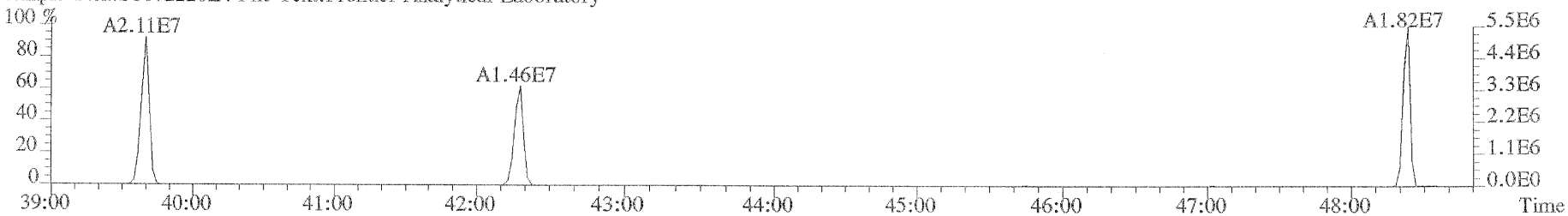
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



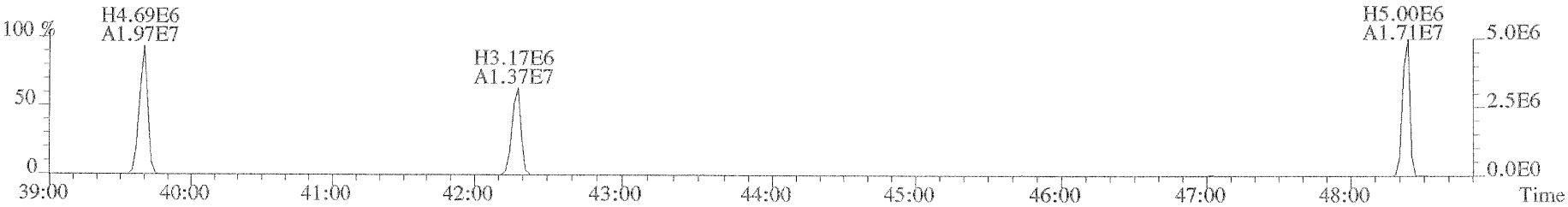
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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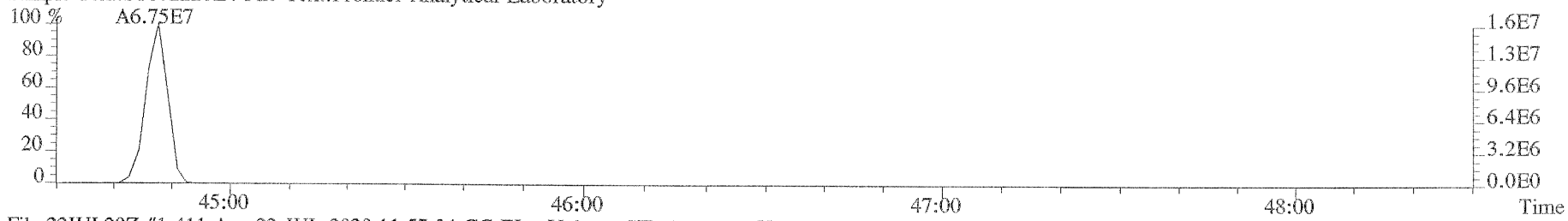
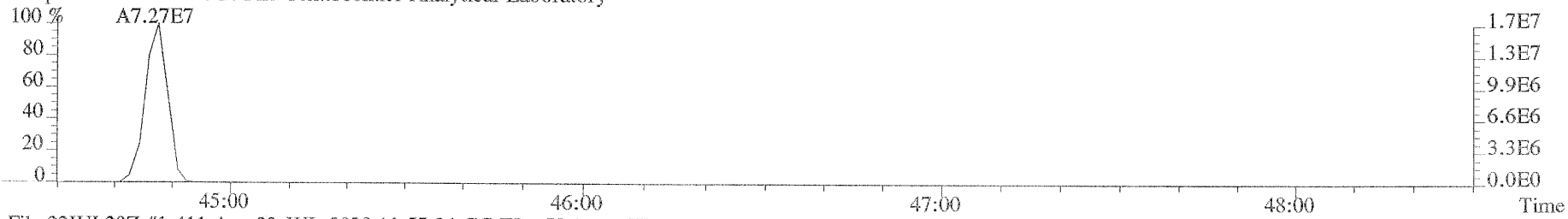
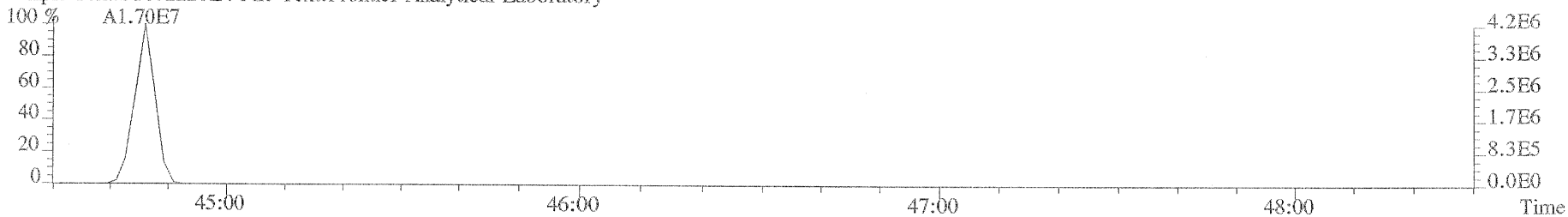
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



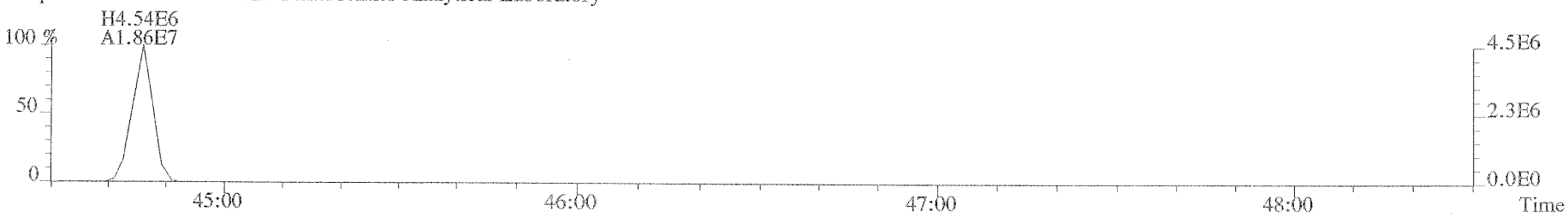
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



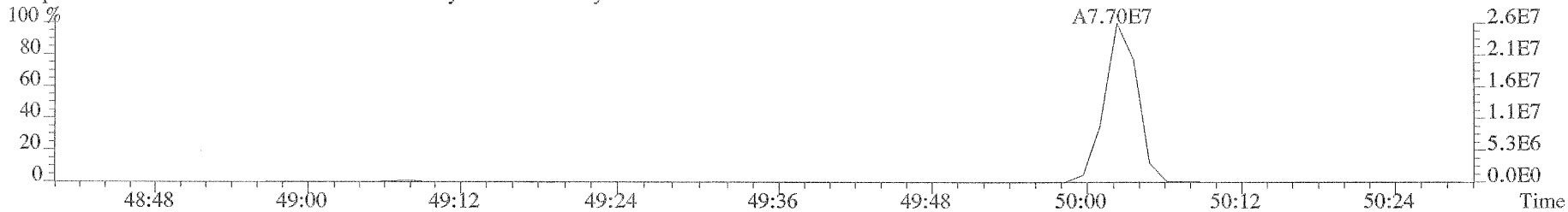
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



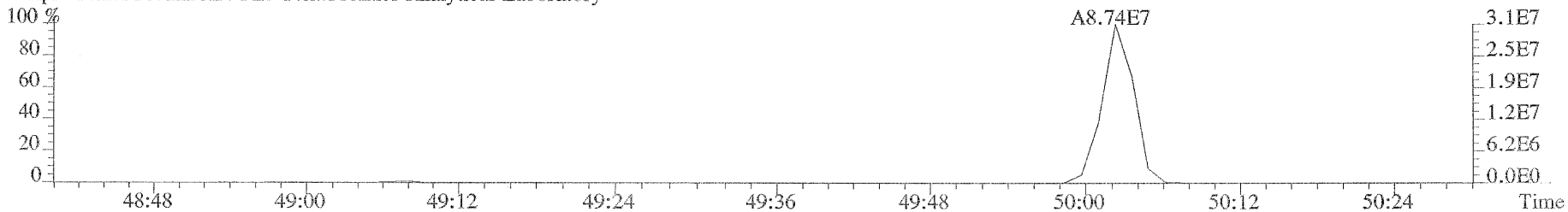
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



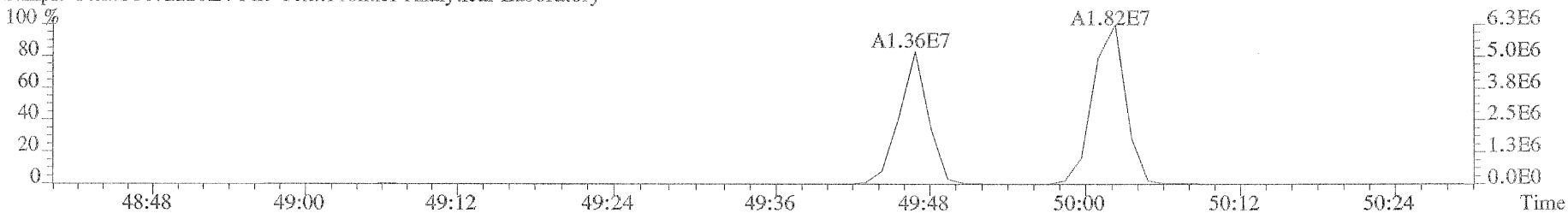
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



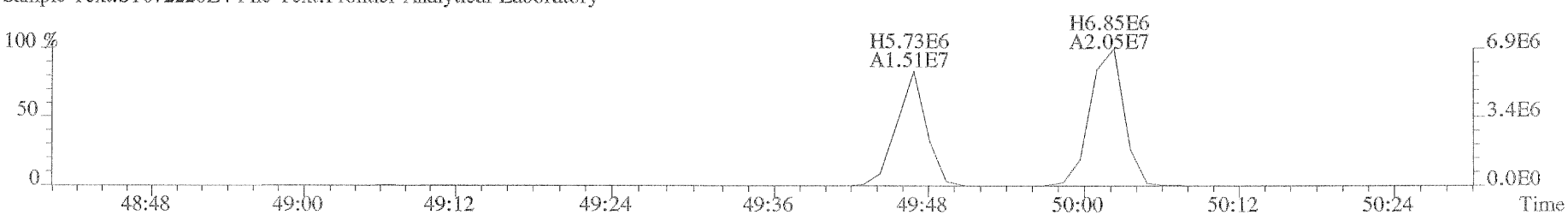
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



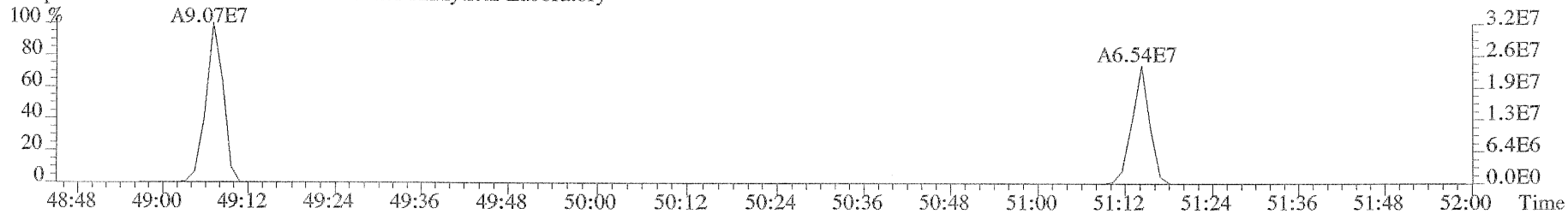
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



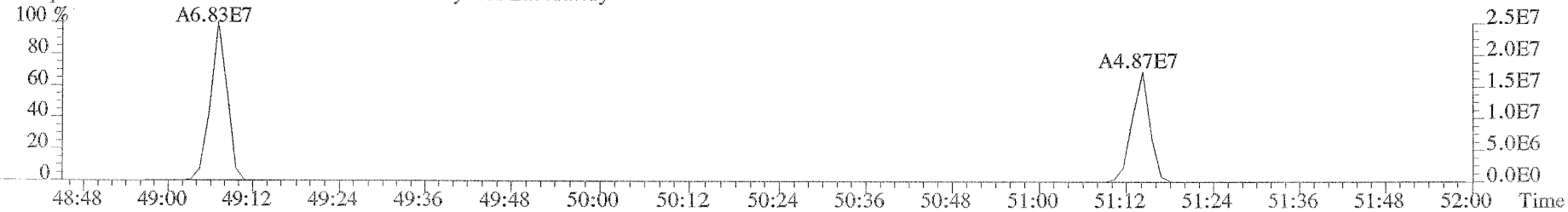
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



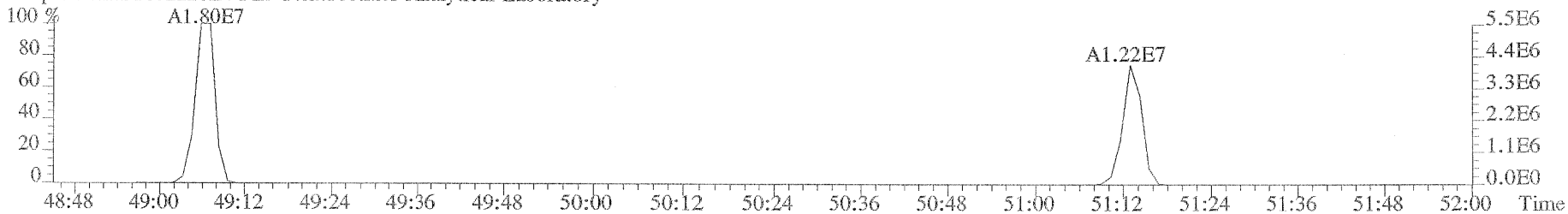
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



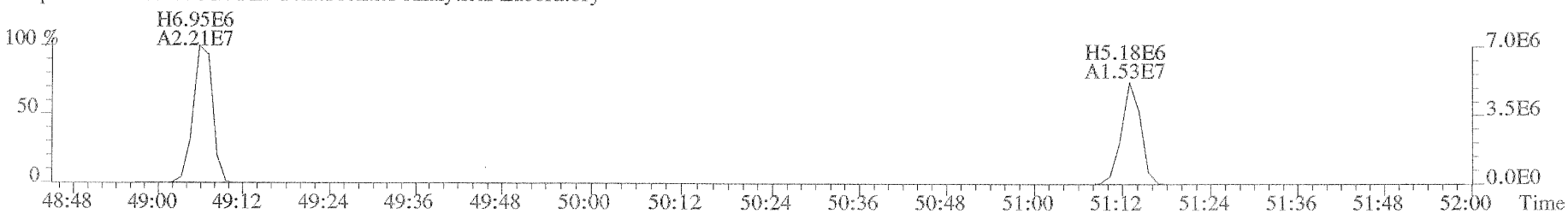
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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

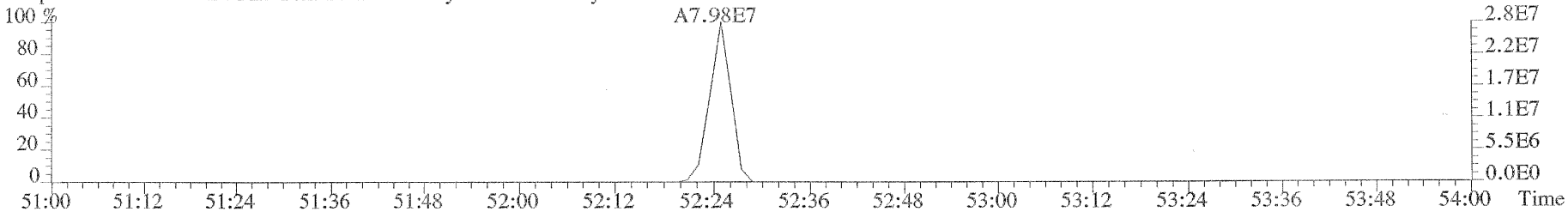


File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory

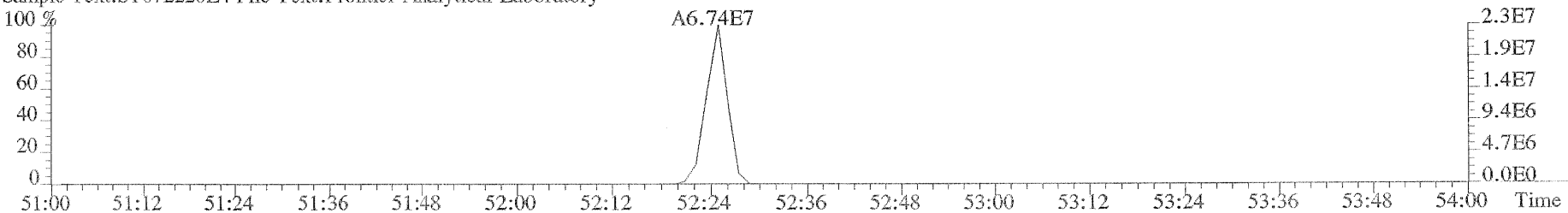


000244

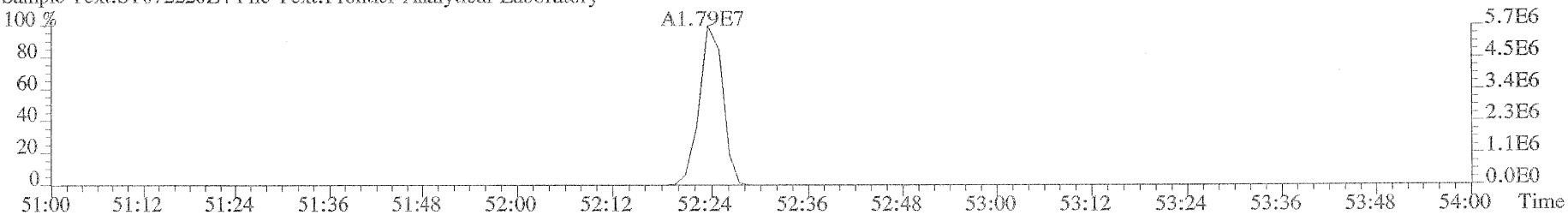
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



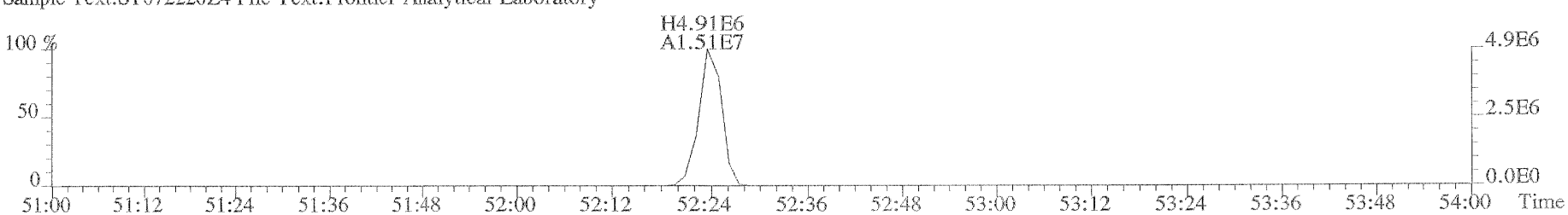
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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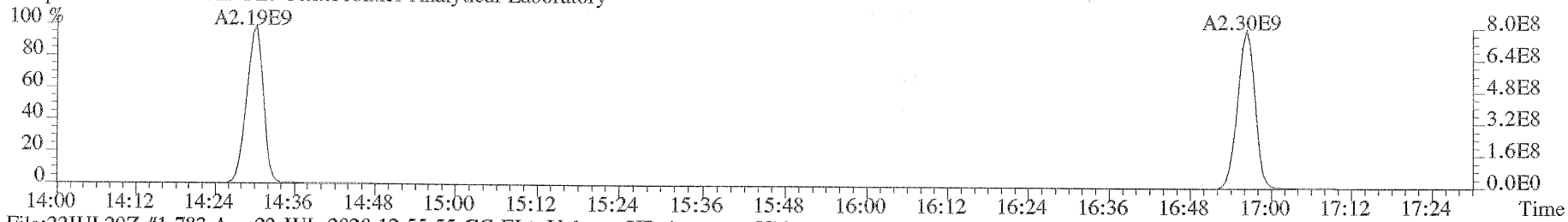
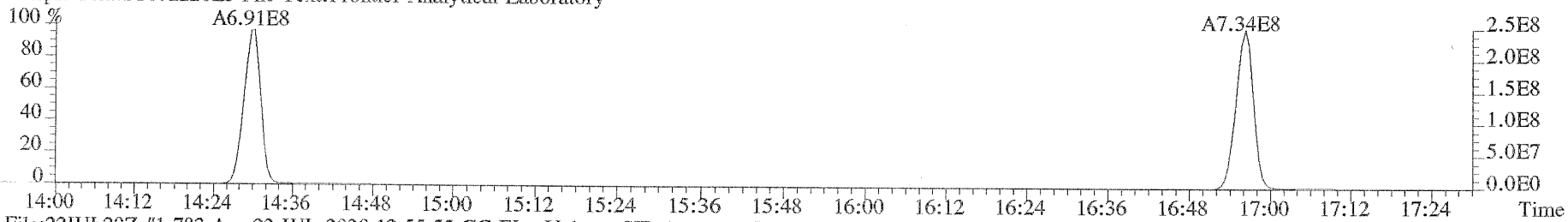
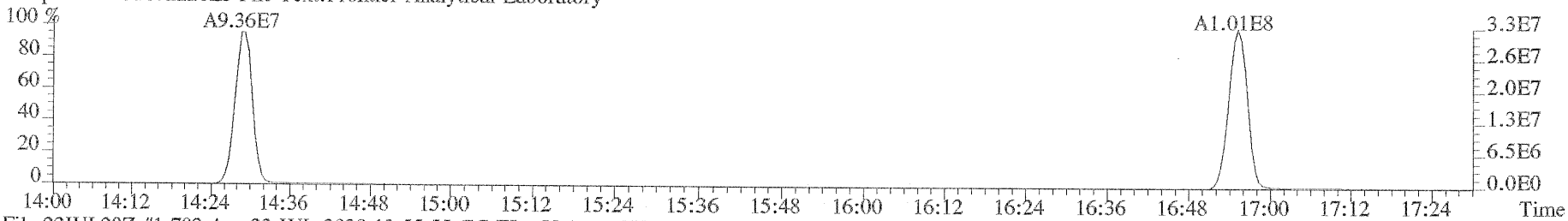
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



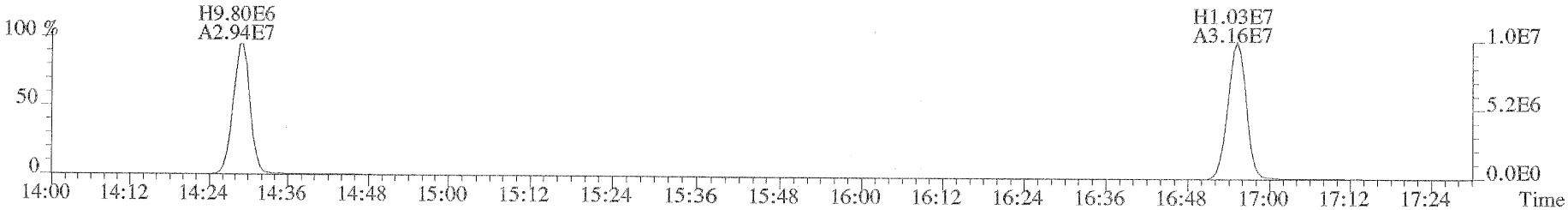
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



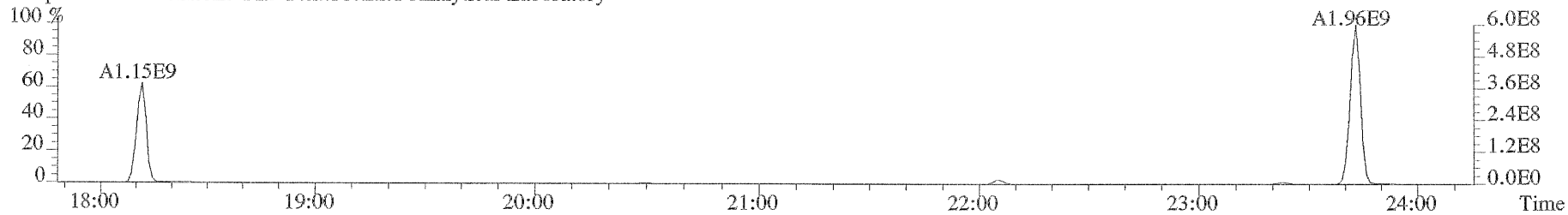
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



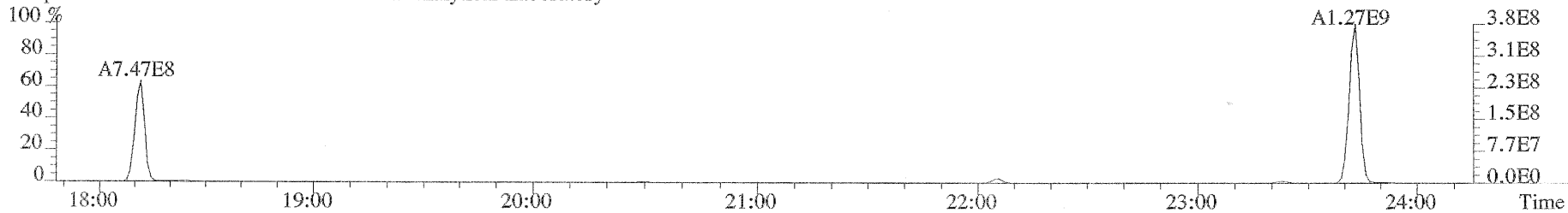
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



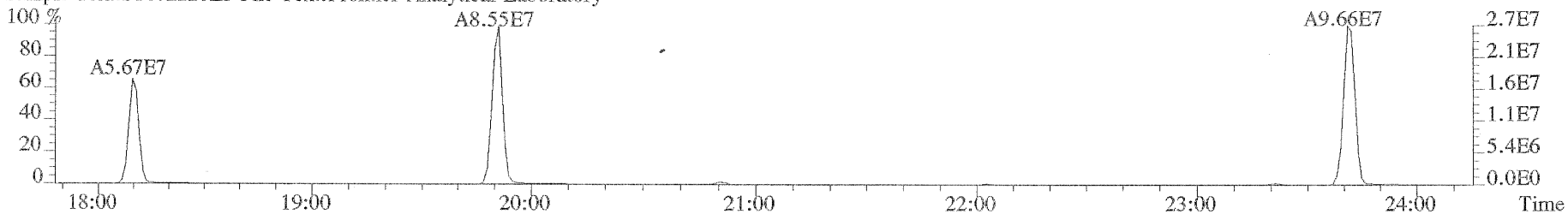
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



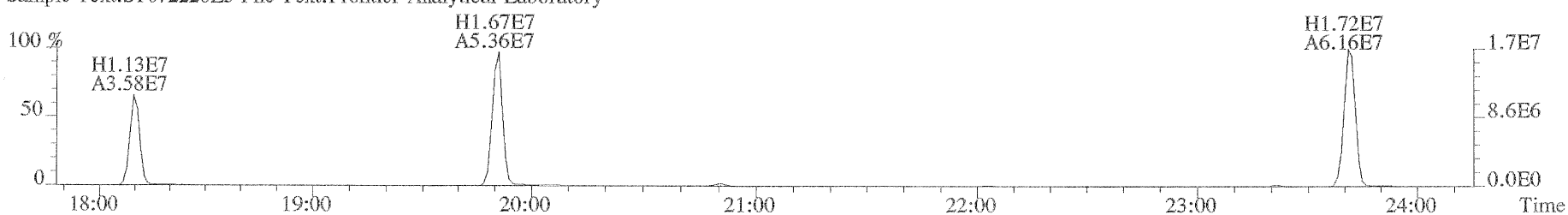
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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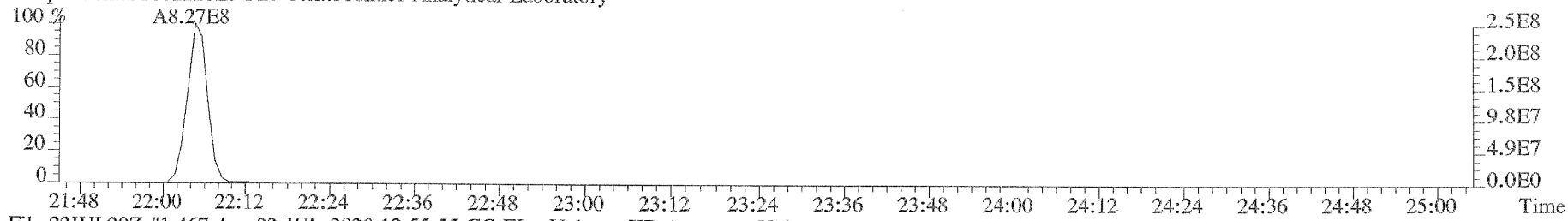
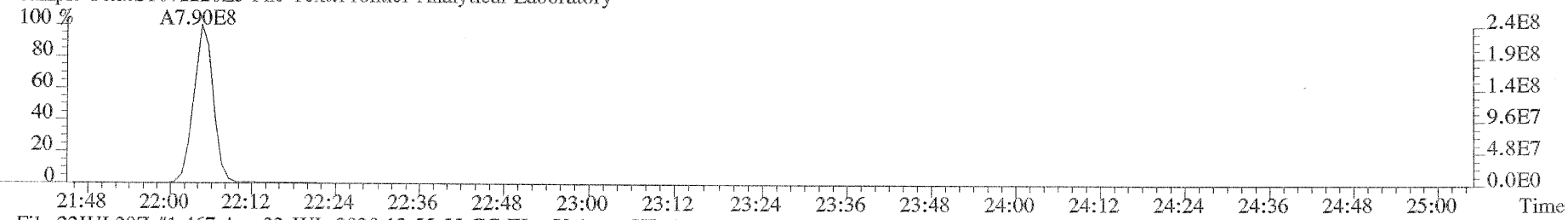
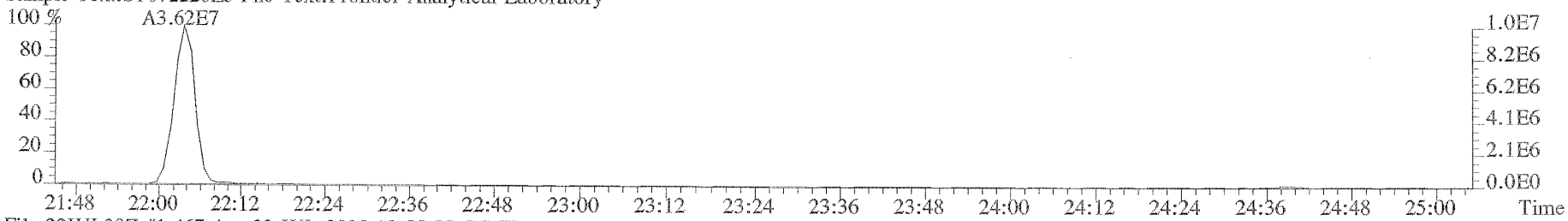
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



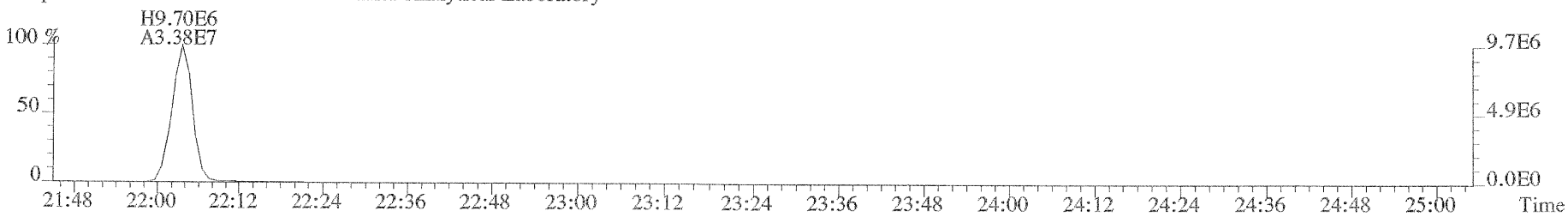
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



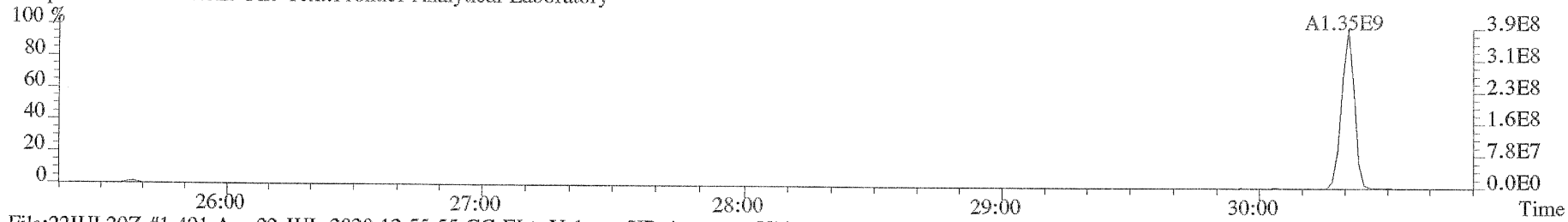
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



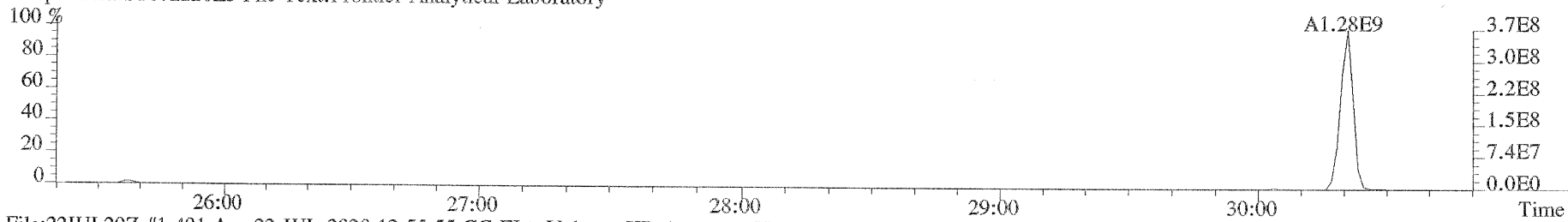
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



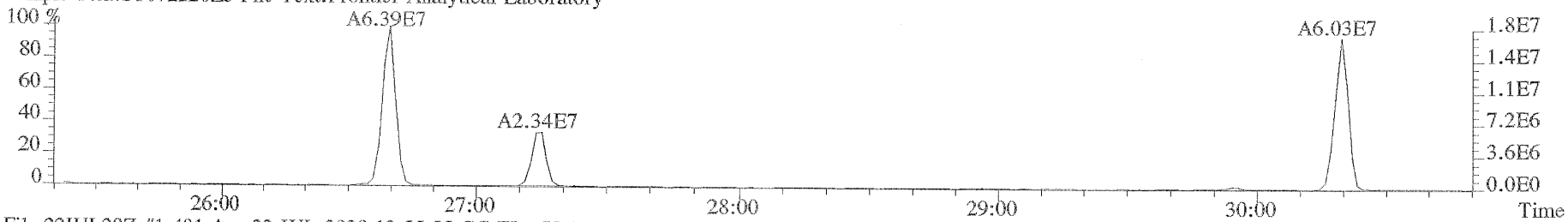
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



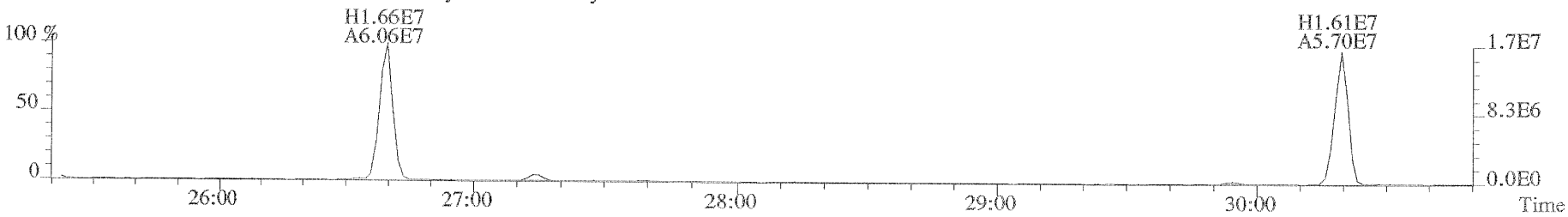
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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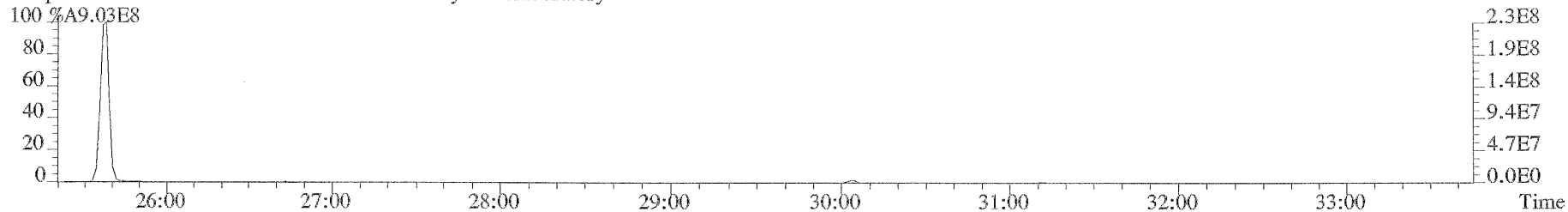
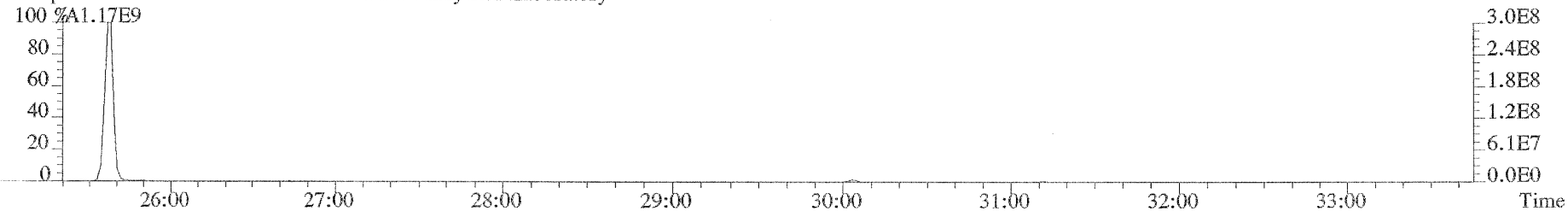
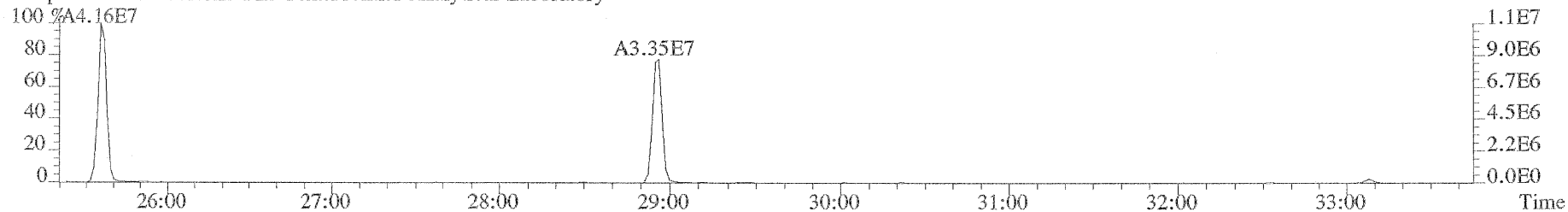
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



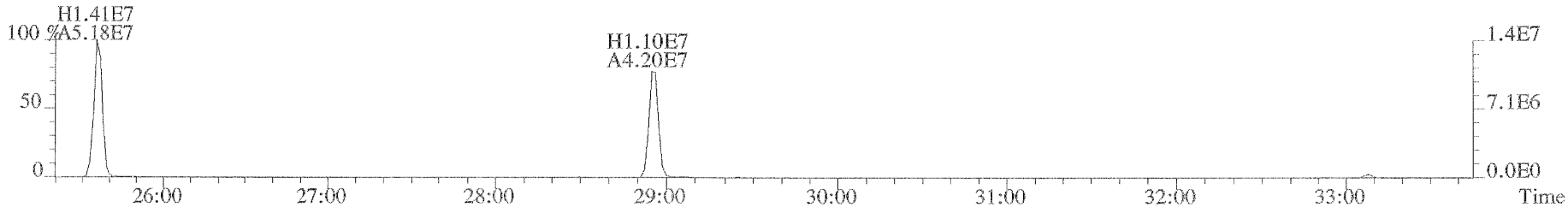
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



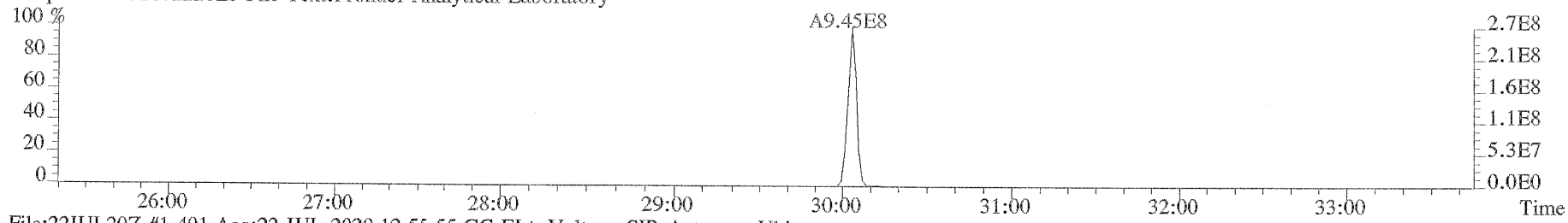
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



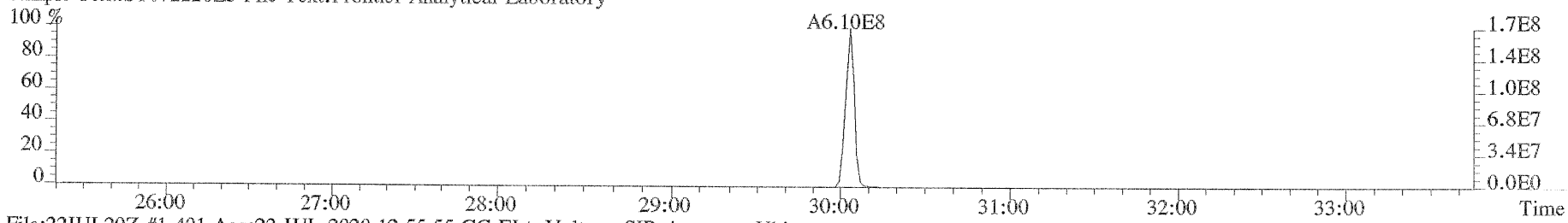
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



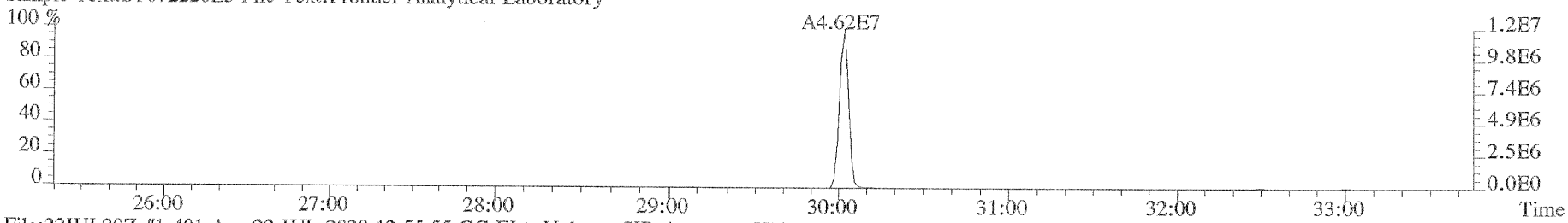
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



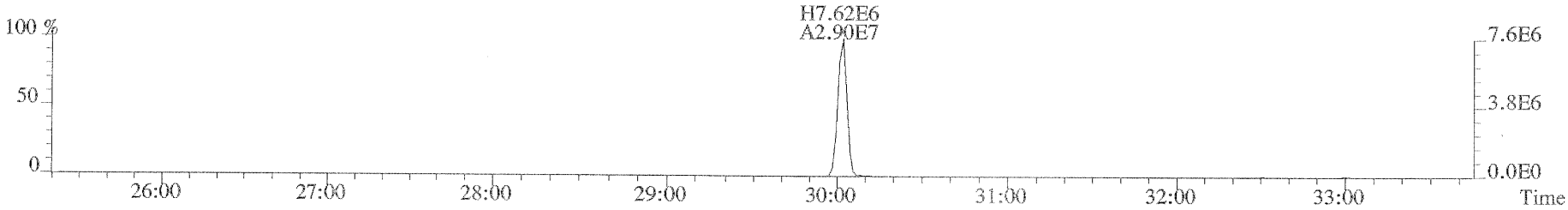
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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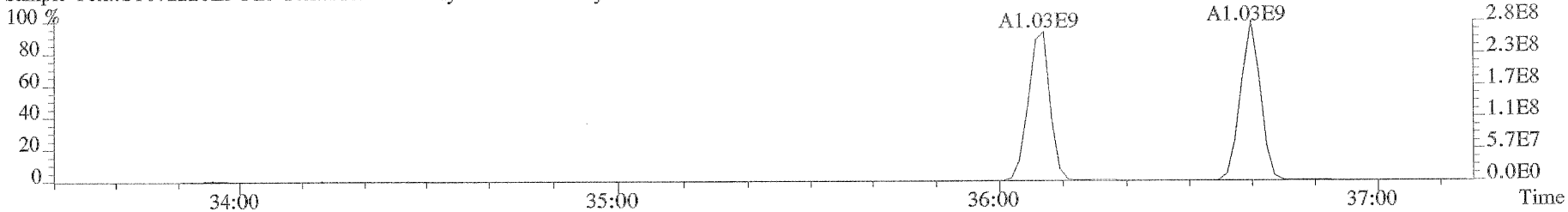
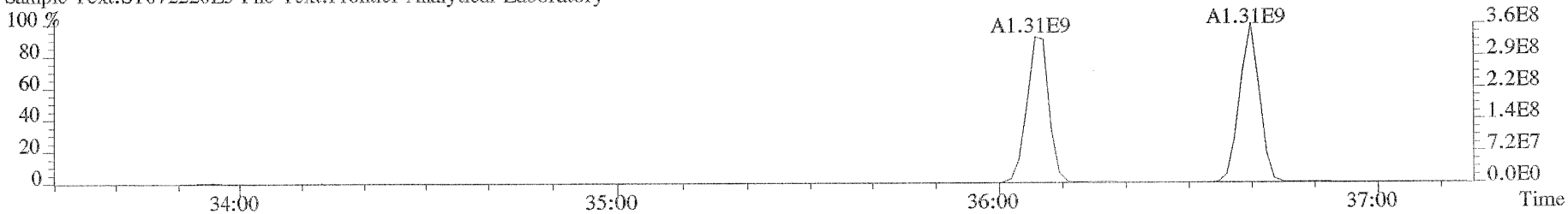
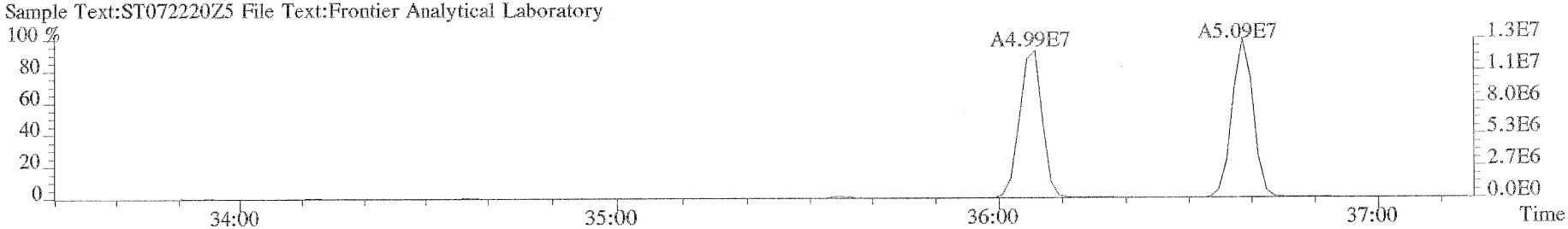
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



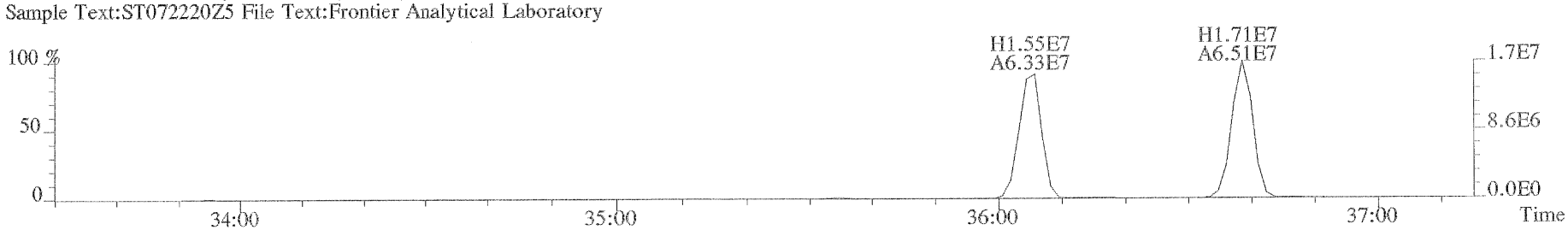
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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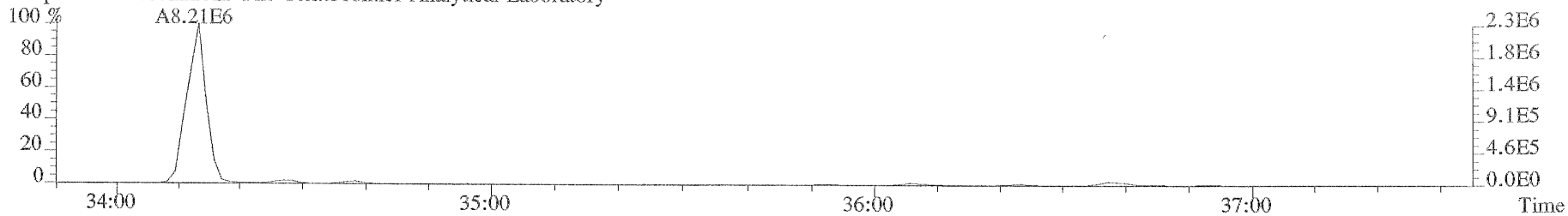
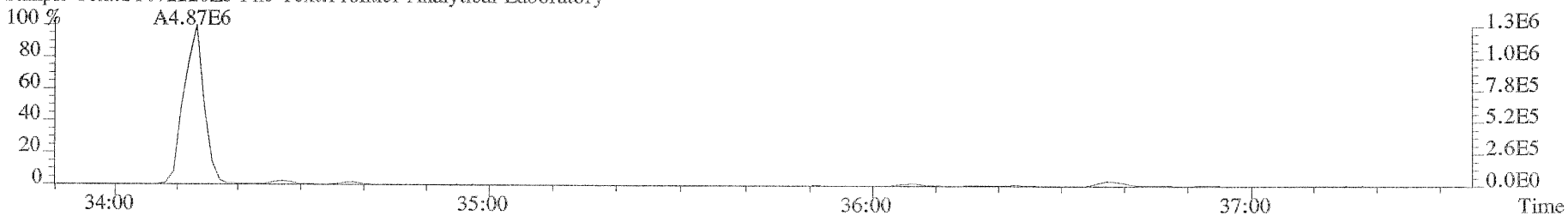
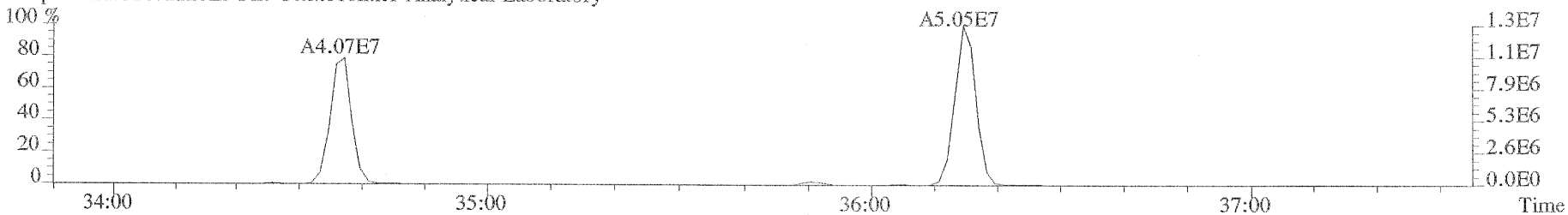
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



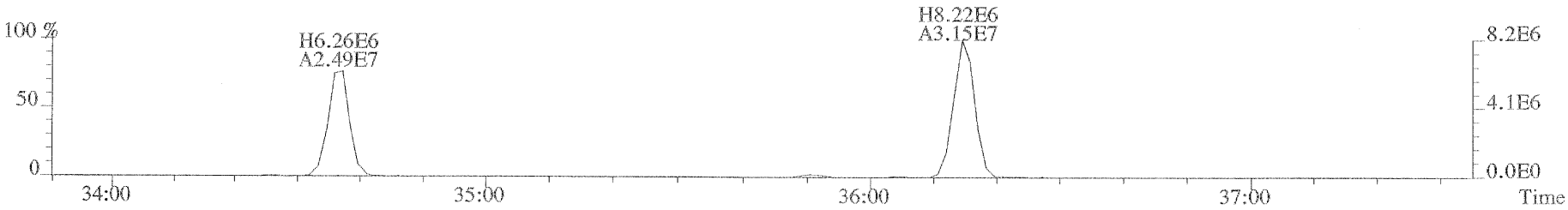
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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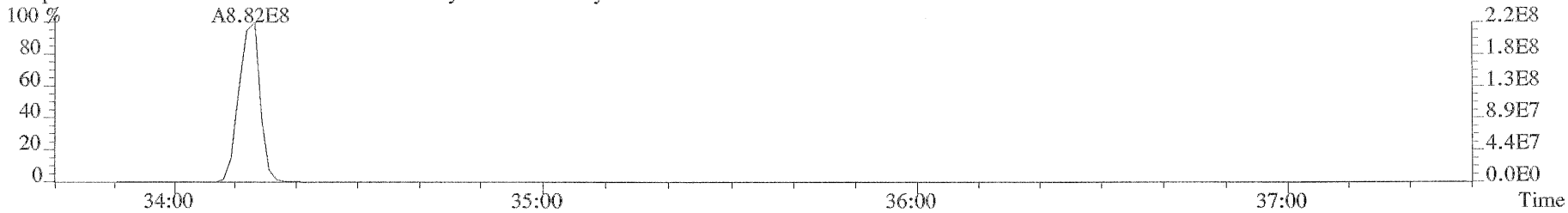
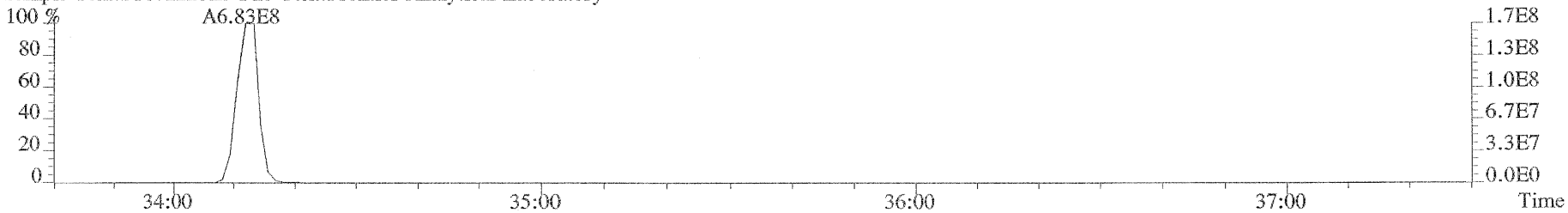
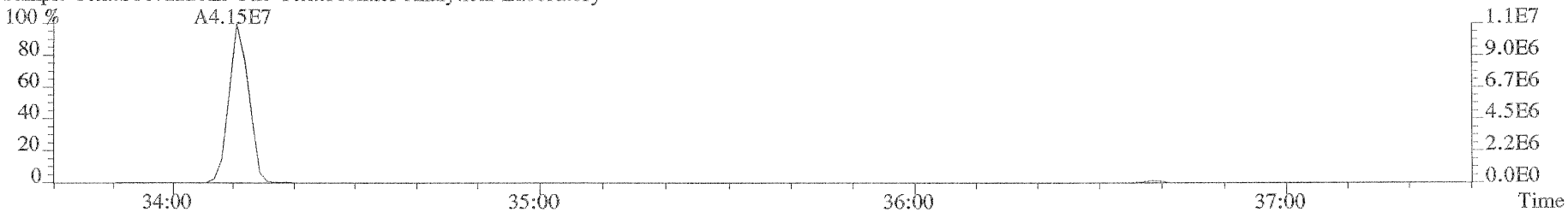
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



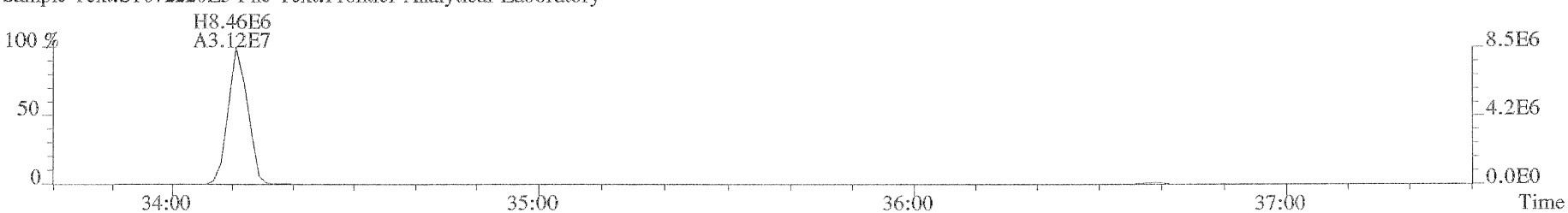
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



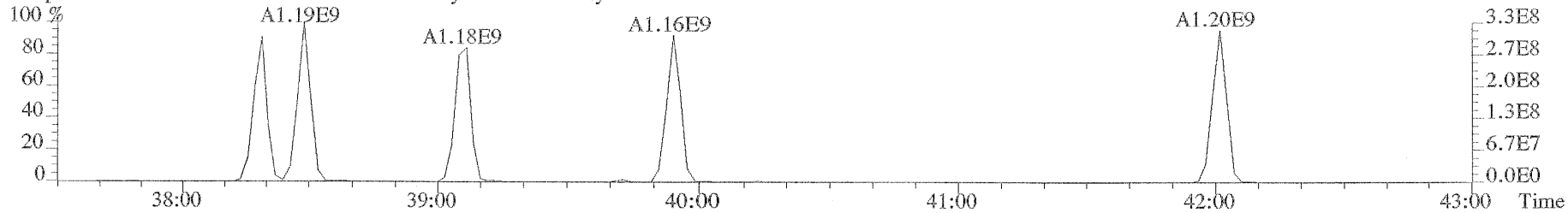
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



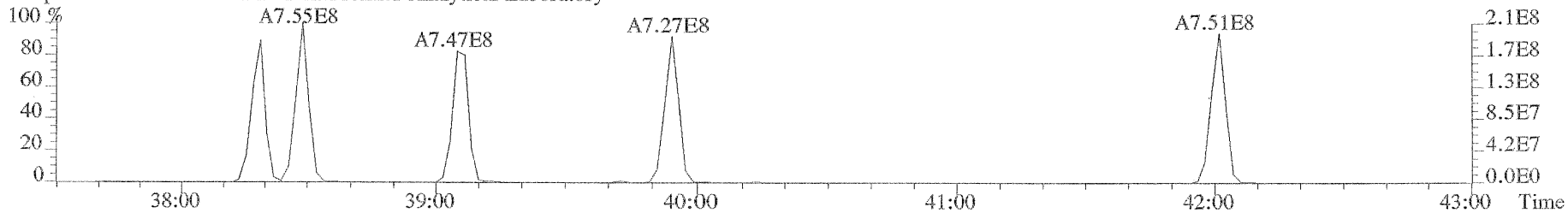
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



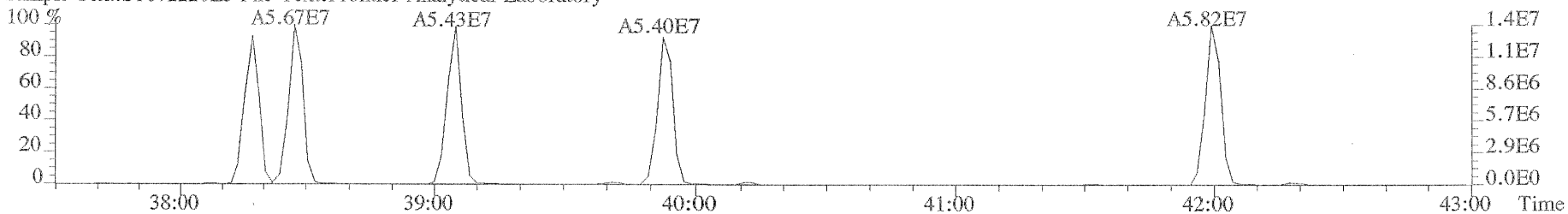
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



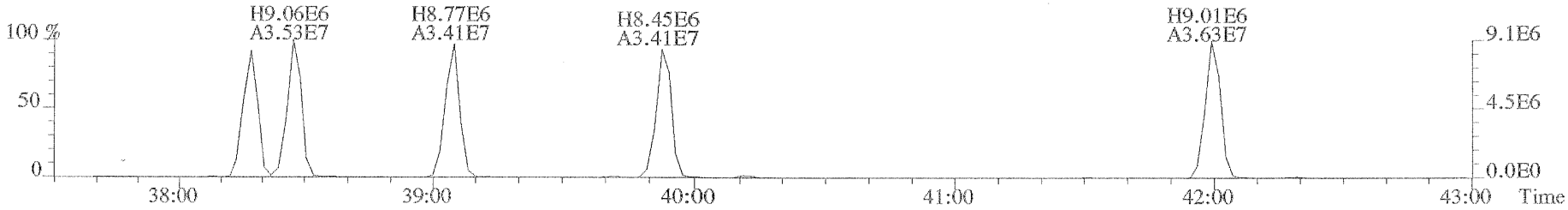
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

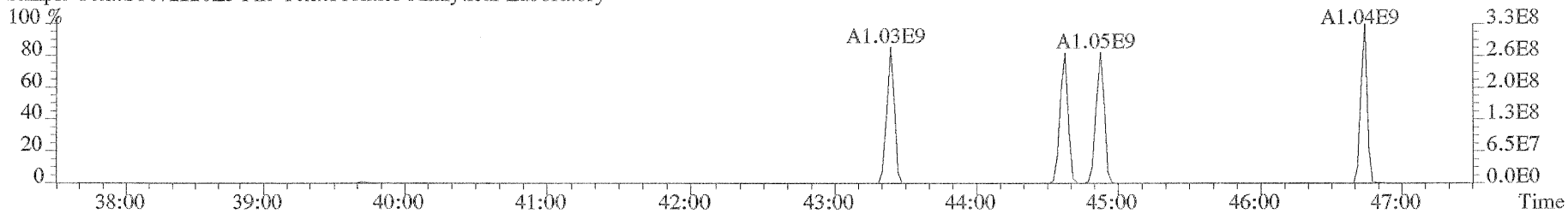


File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

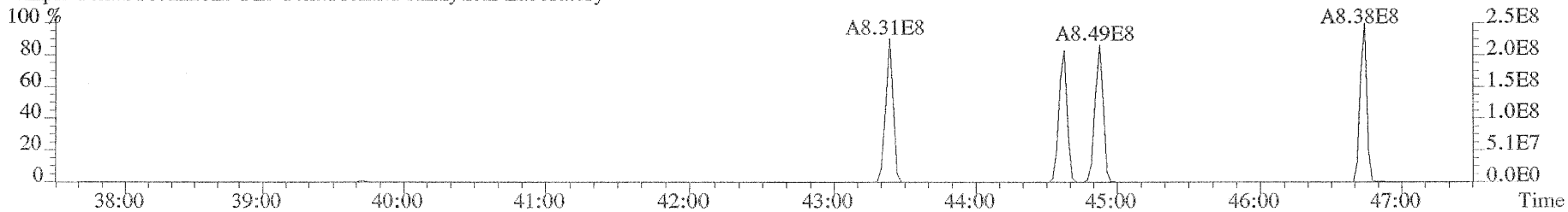


000255

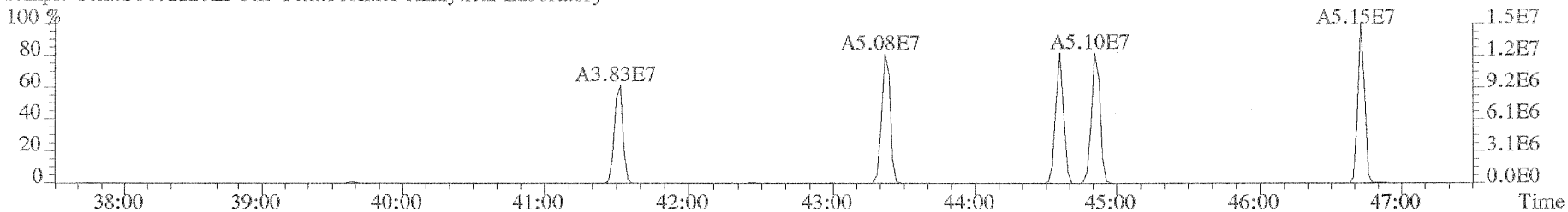
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



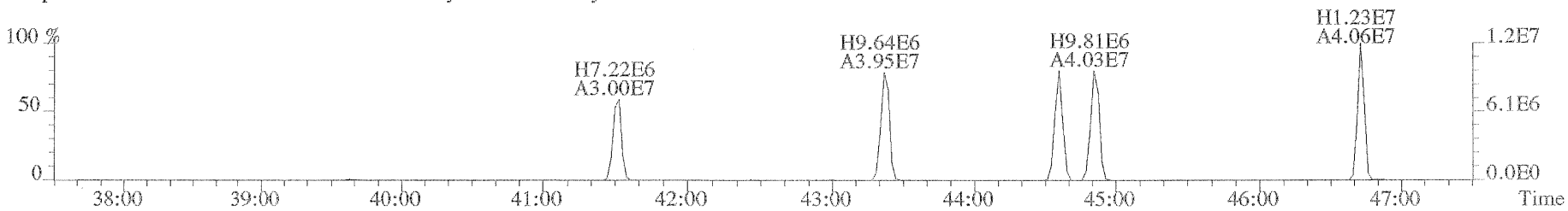
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



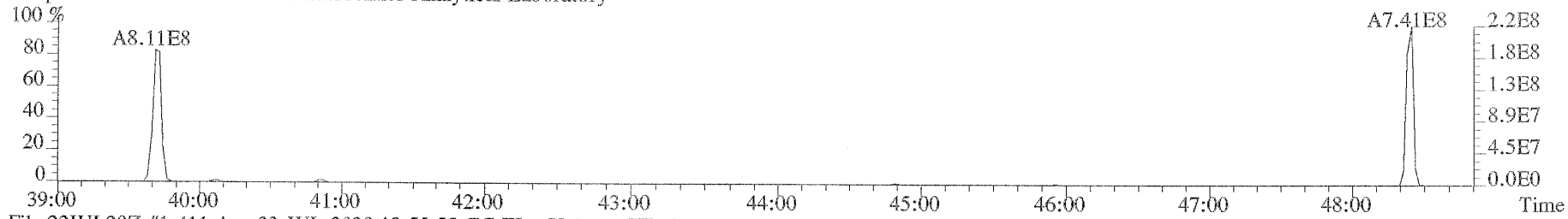
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



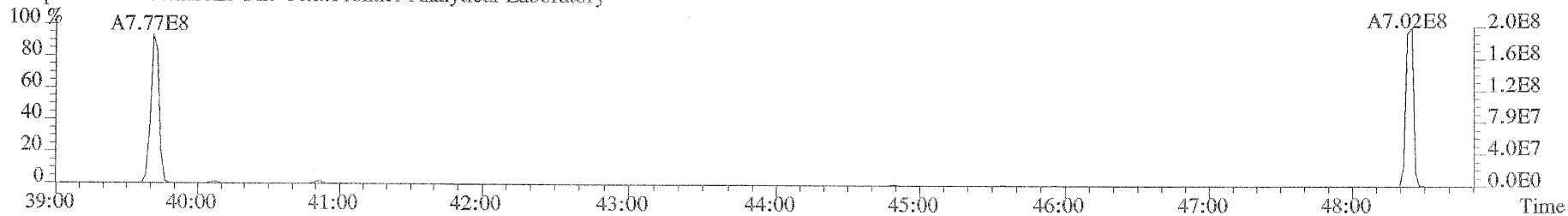
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



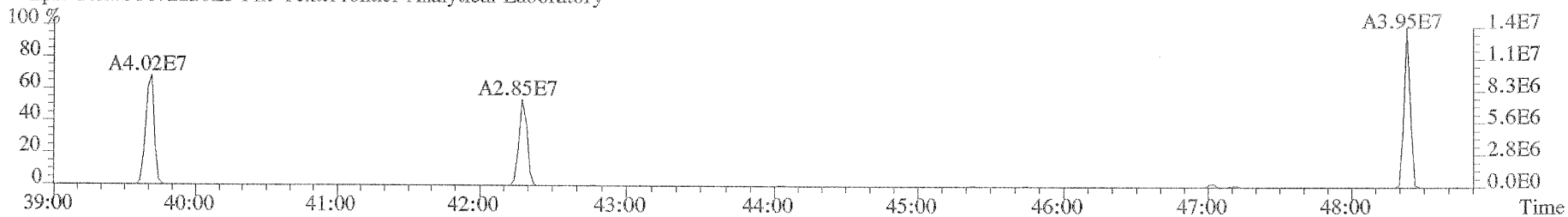
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



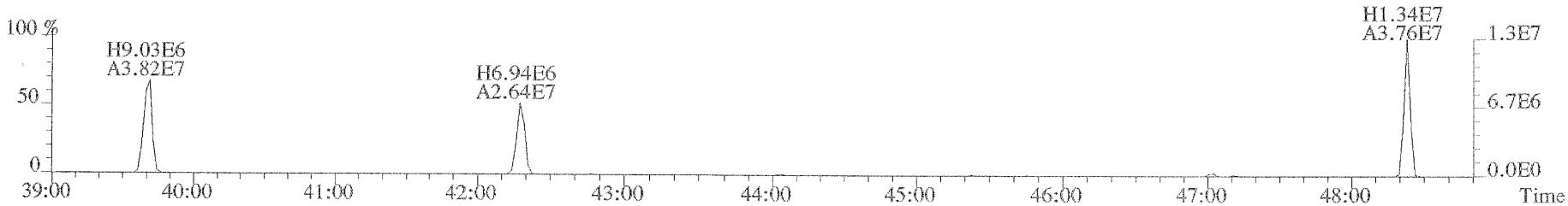
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

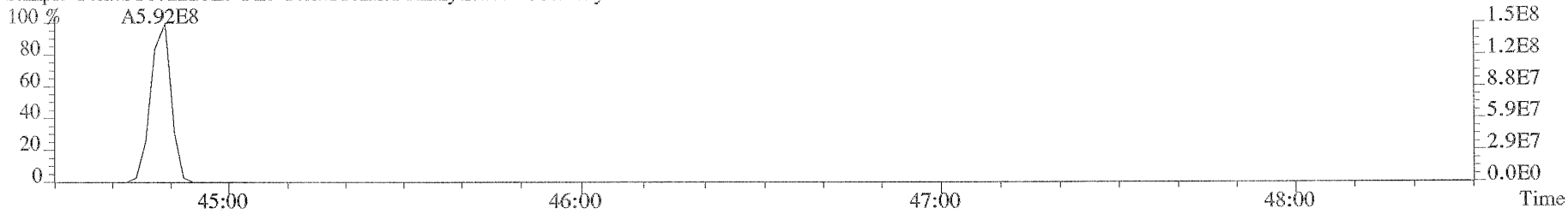


File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

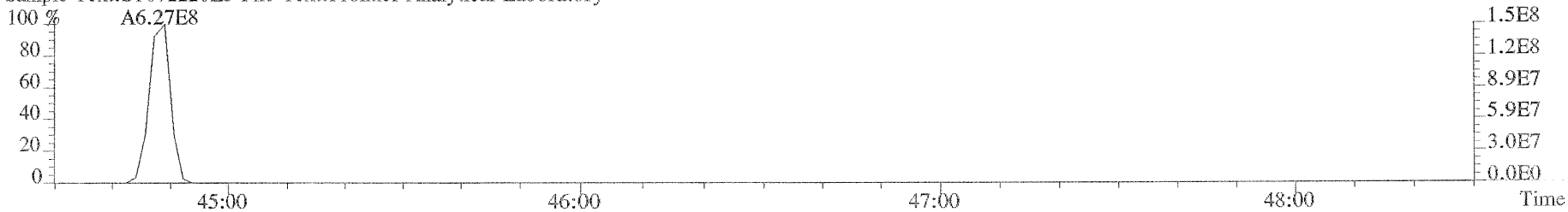


000257

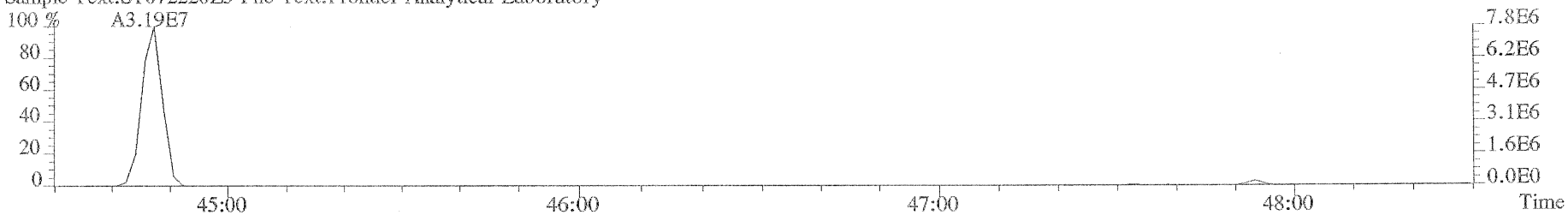
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



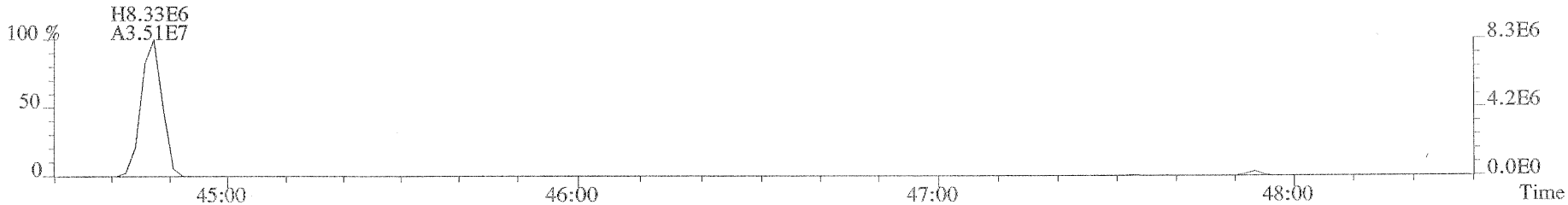
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

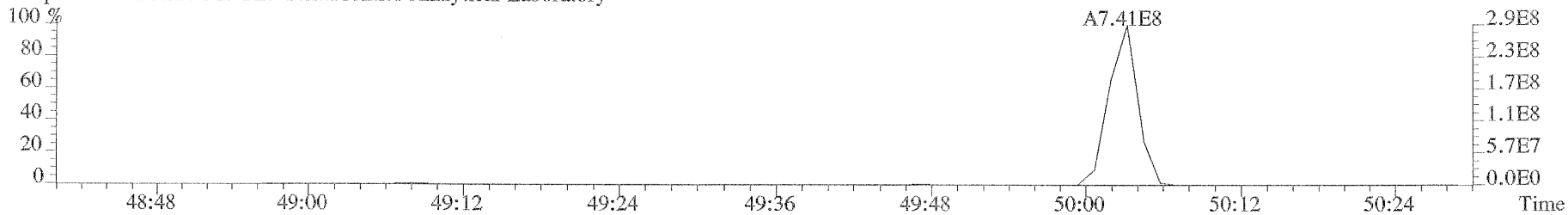


File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

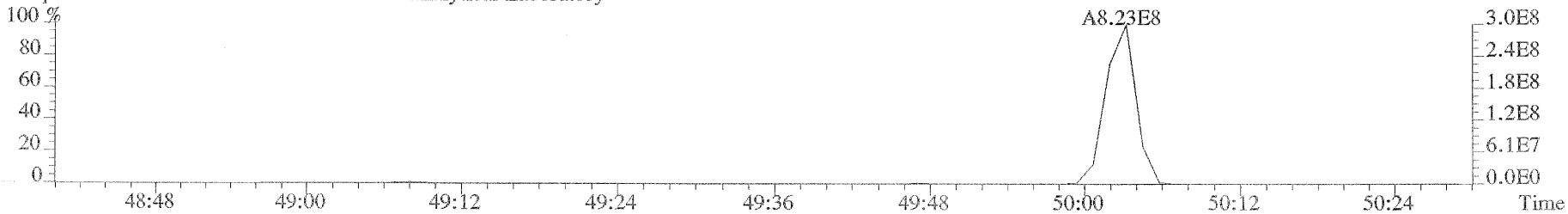


000258

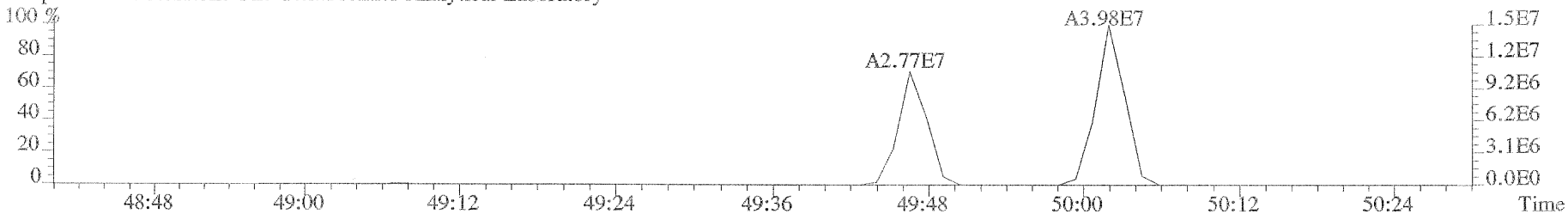
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



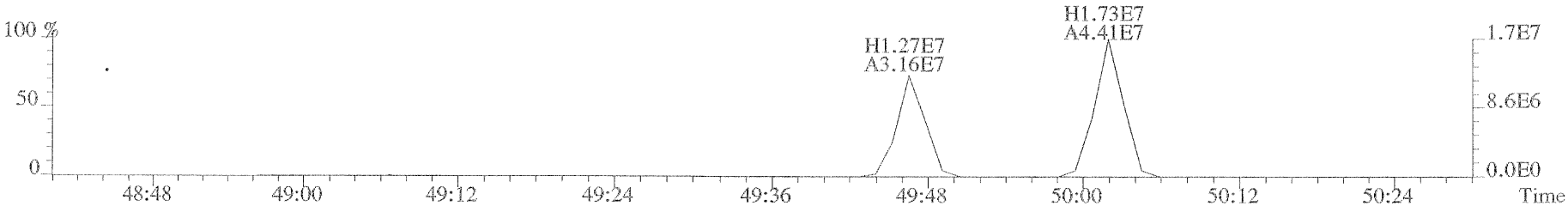
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

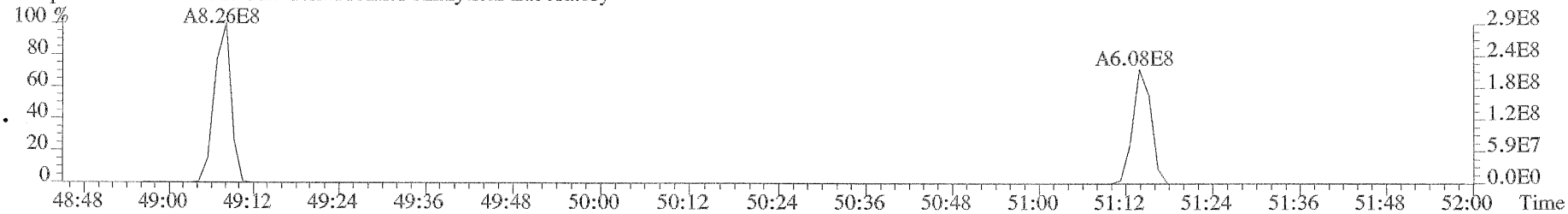


File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

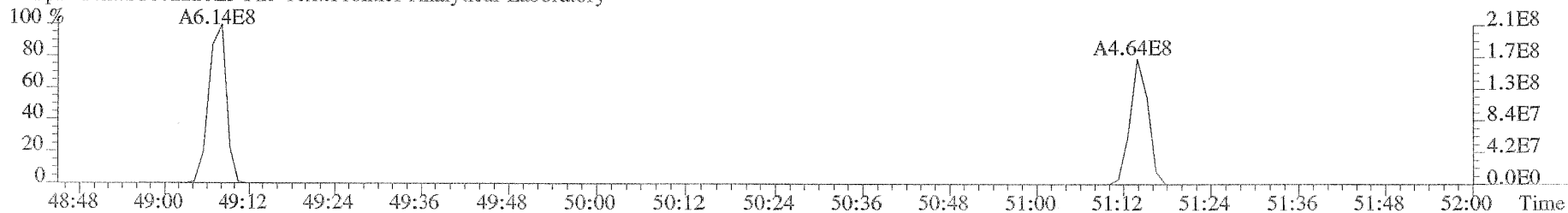


000259

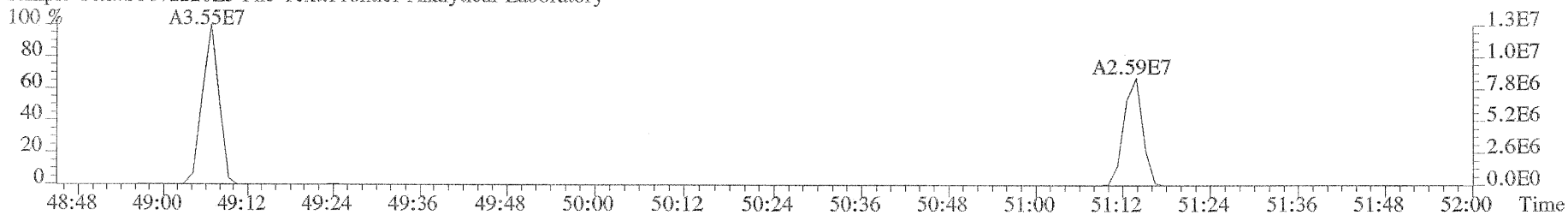
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



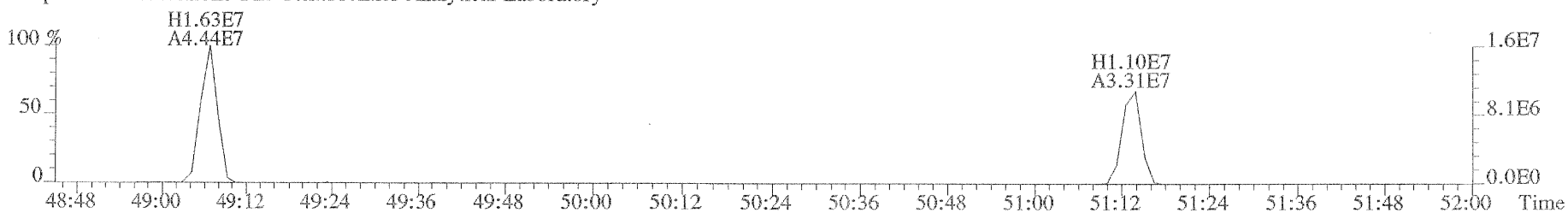
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



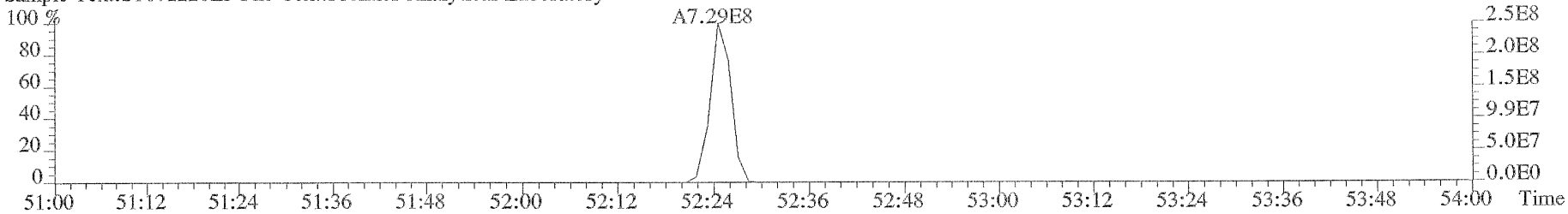
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



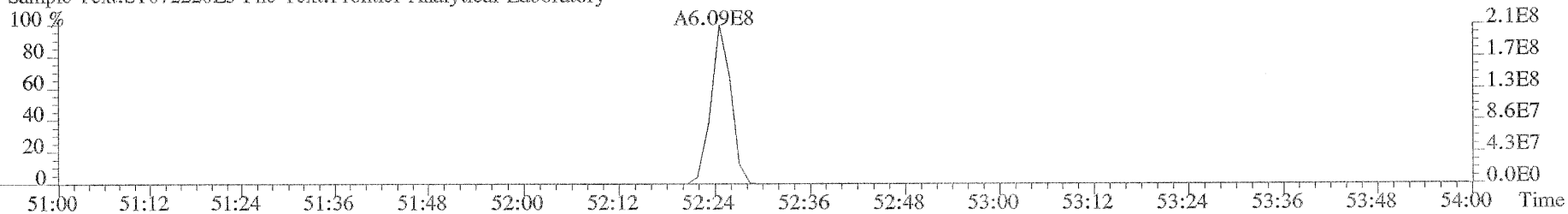
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



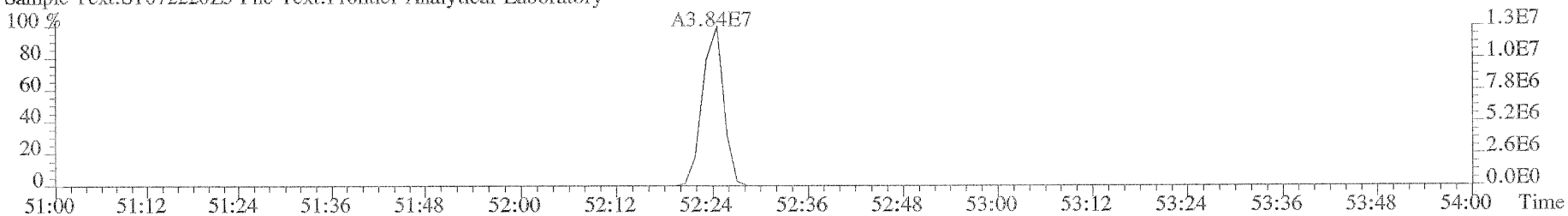
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



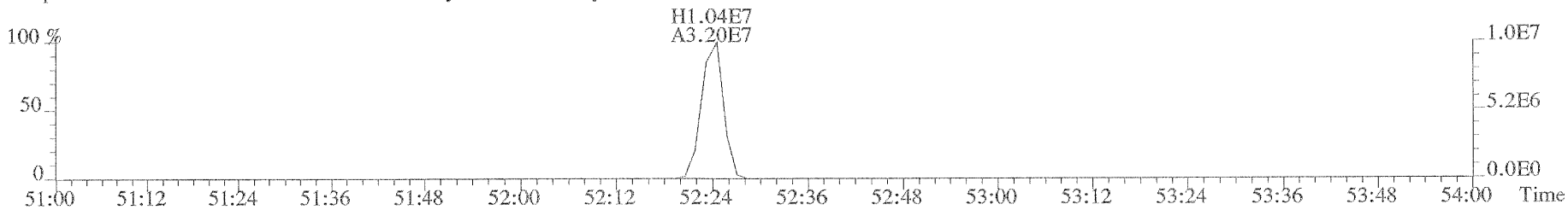
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

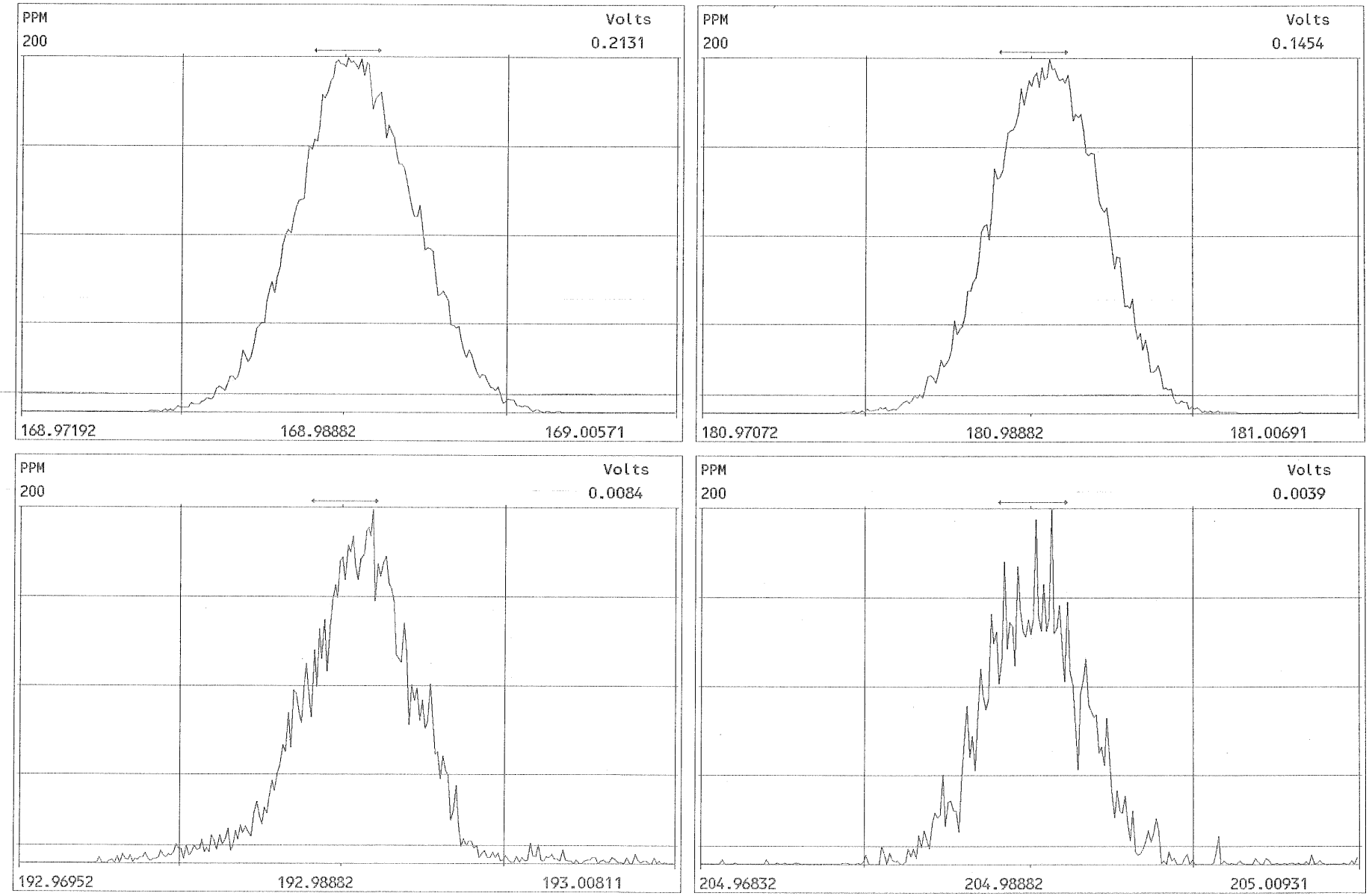


File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



000261

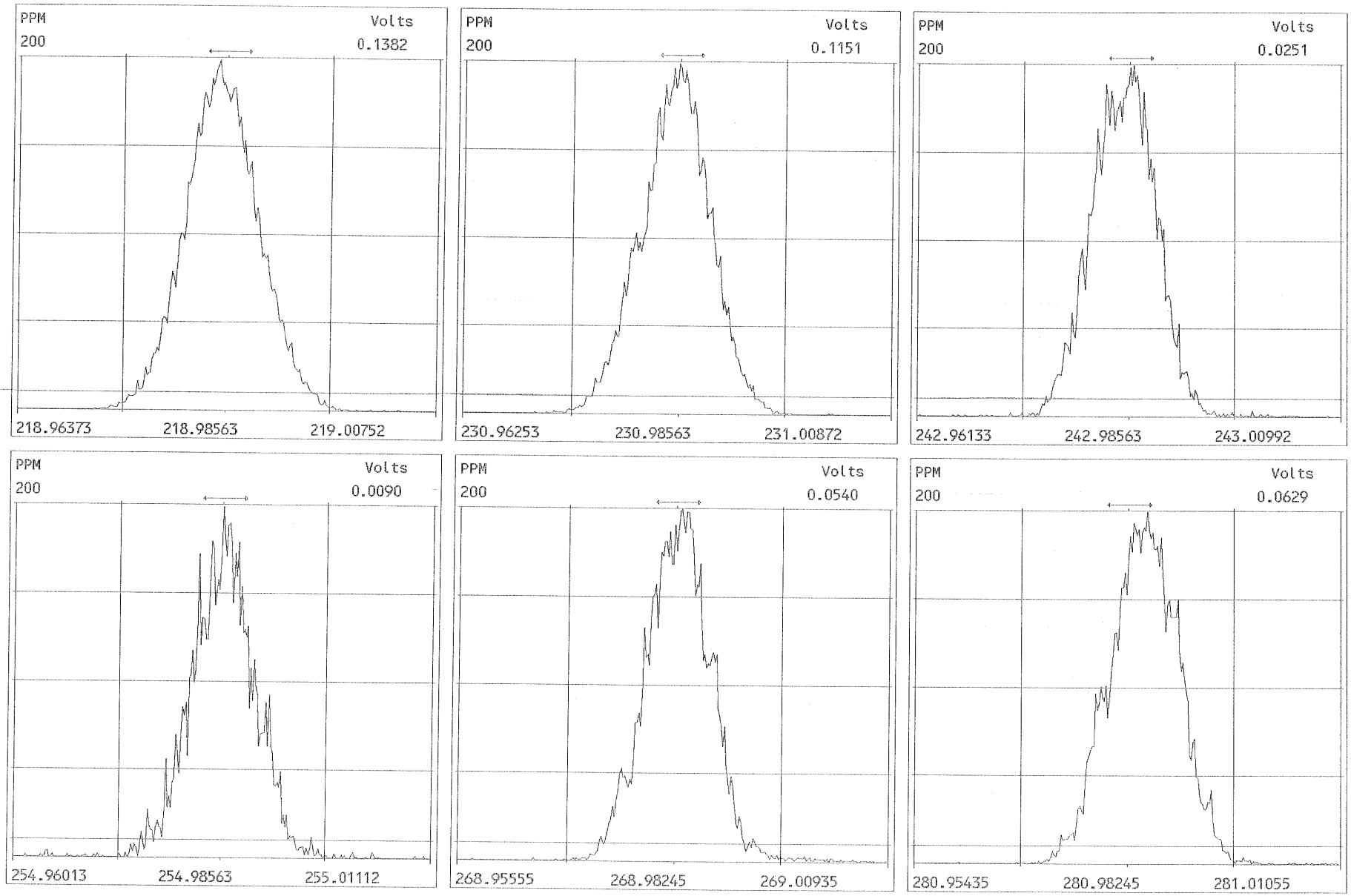
Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98



000262

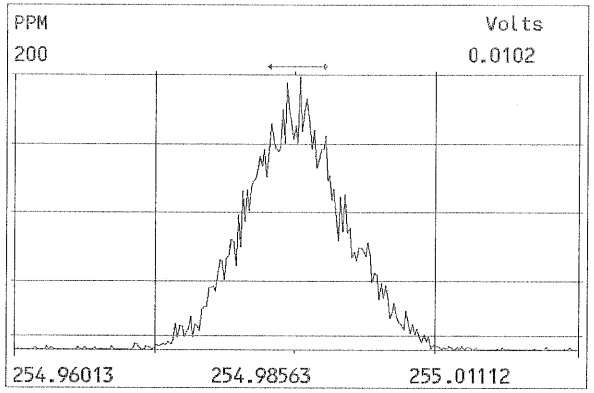
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

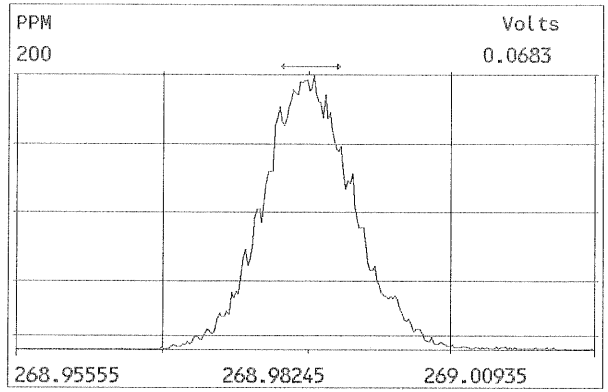
Experiment:1668PCB Function:2 Reference:PFK 98

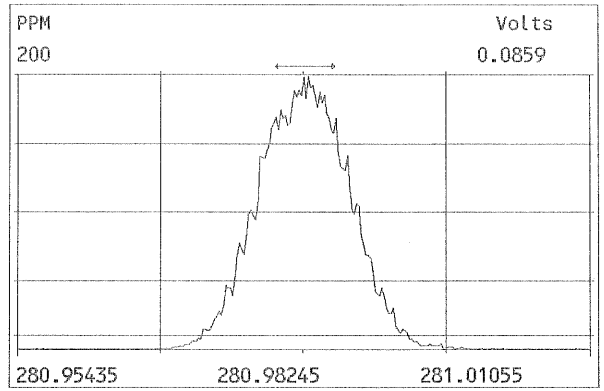


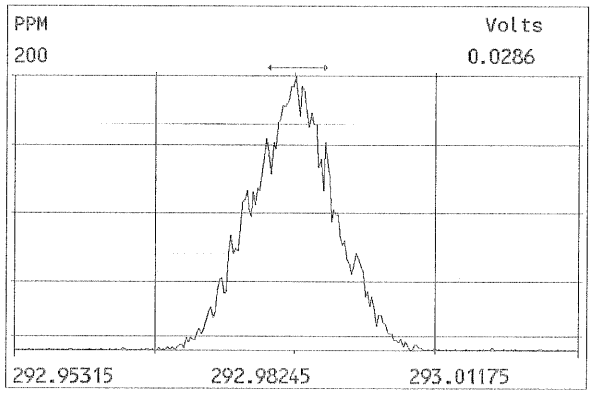
000263

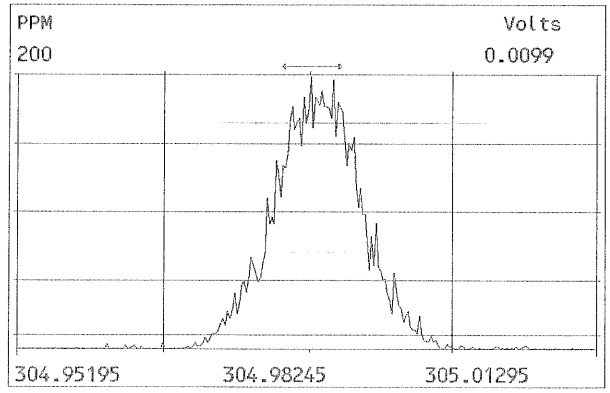
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

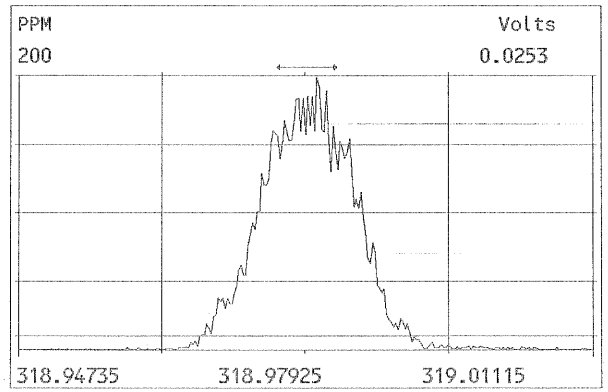


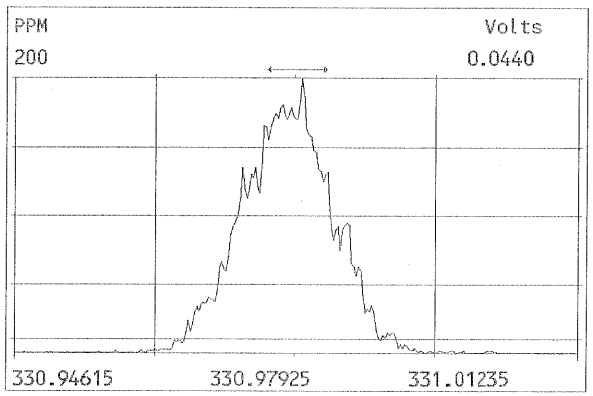


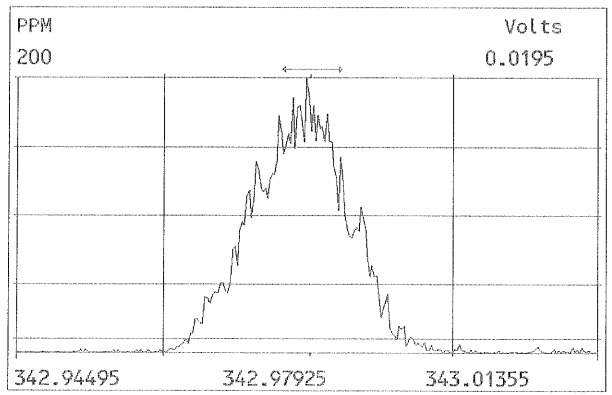






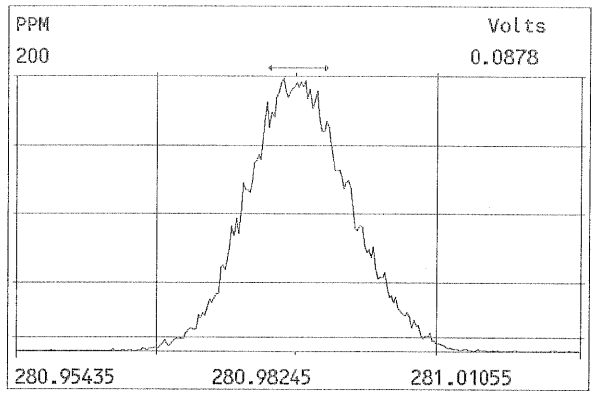


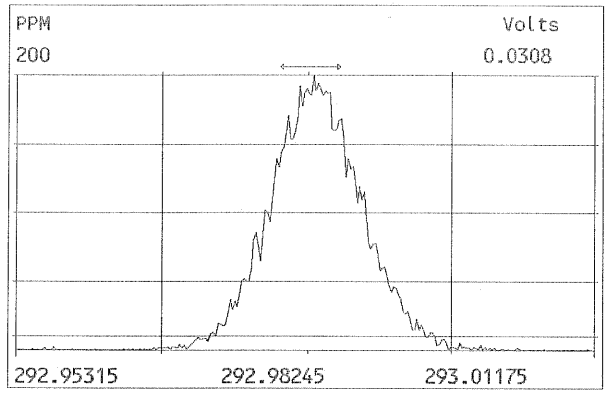


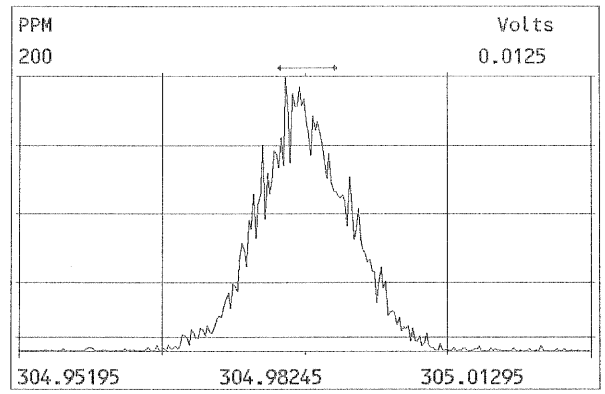


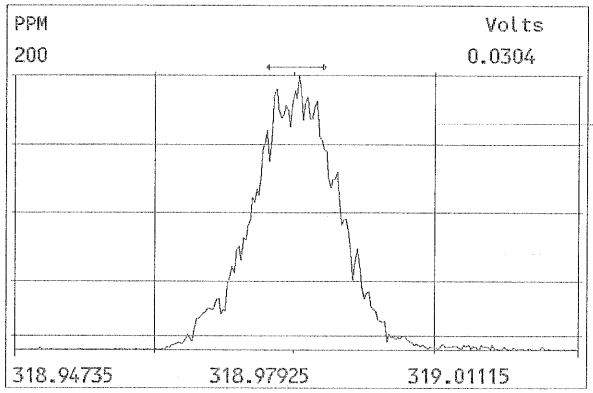
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

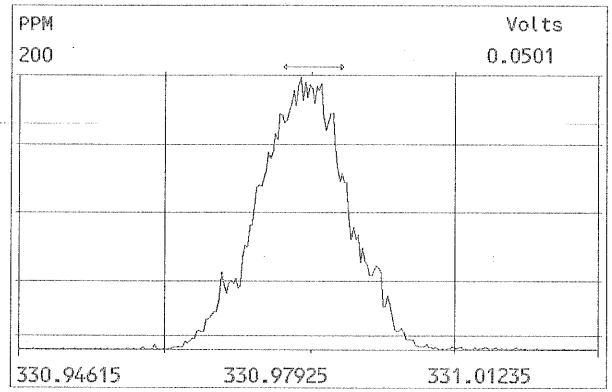
Experiment:1668PCB Function:4 Reference:PFK98

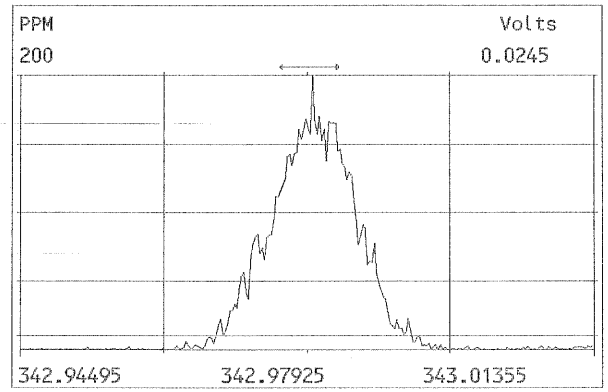


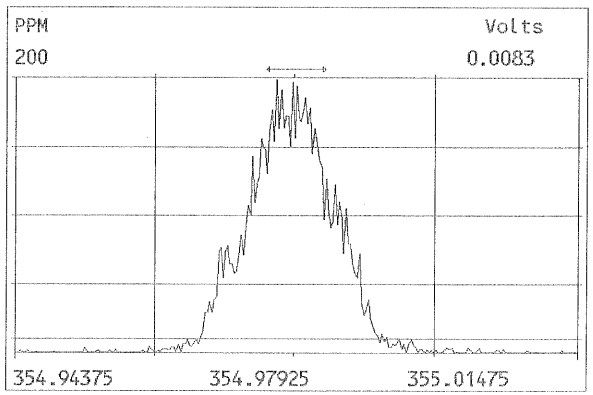


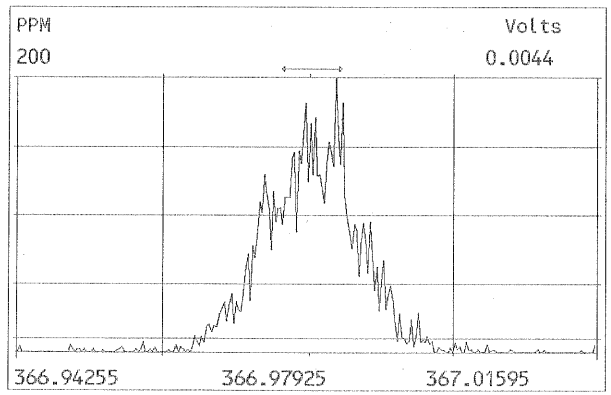


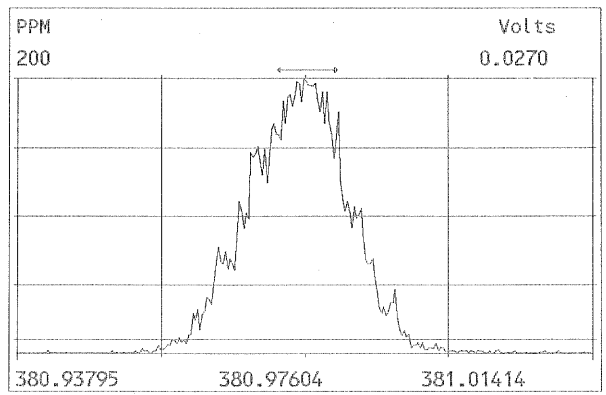












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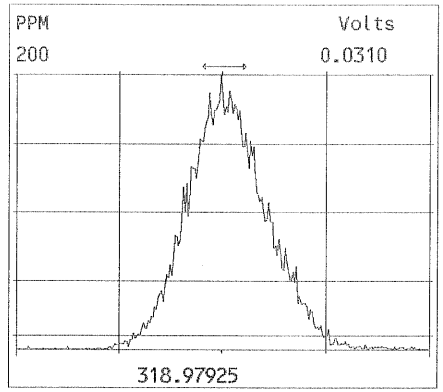
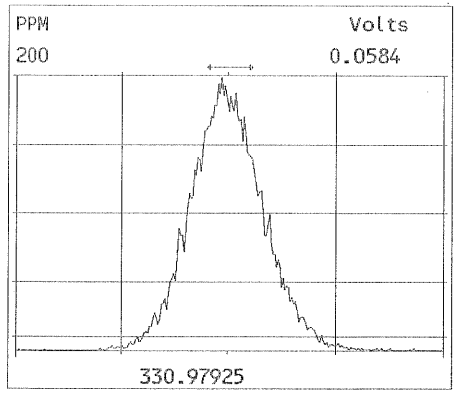
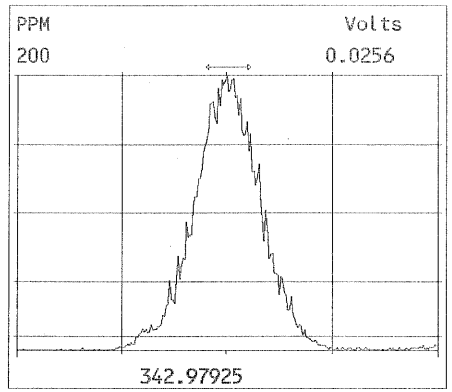
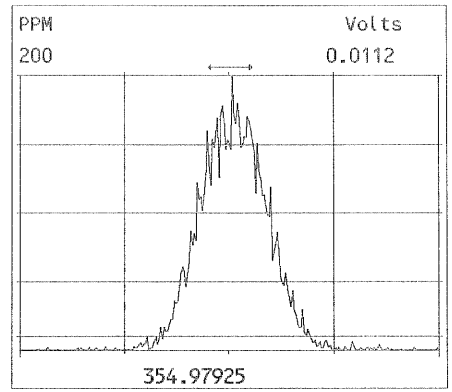
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK

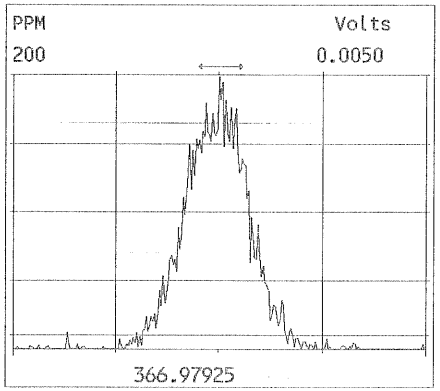
Experiment:1668PCB Function:5 Reference:PFK 78

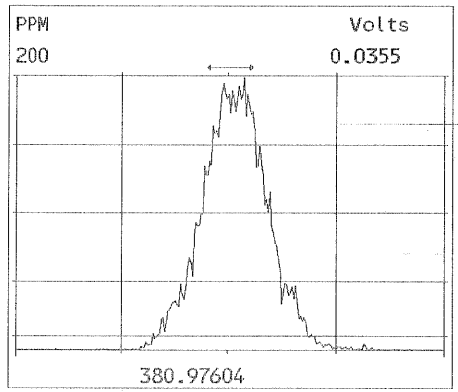


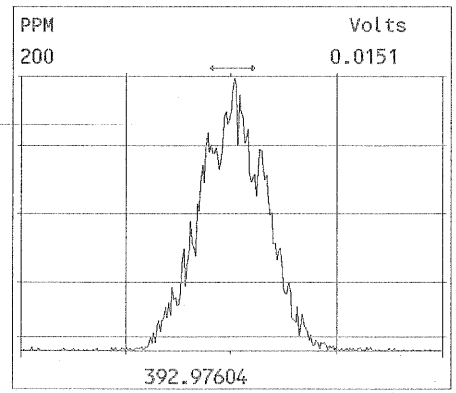


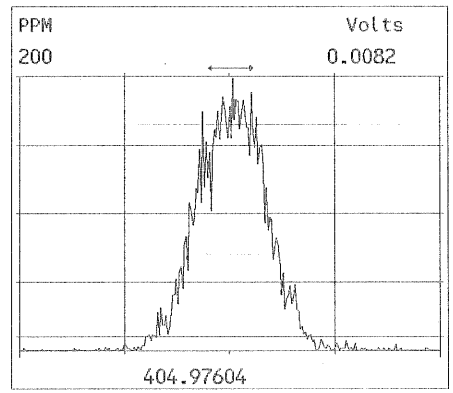


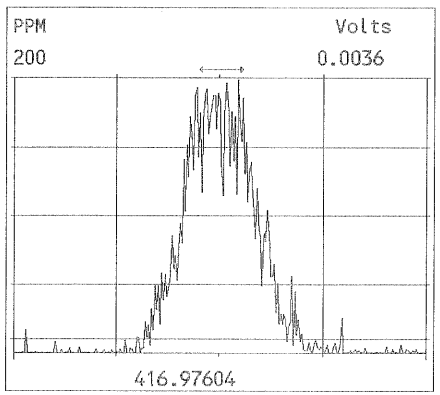


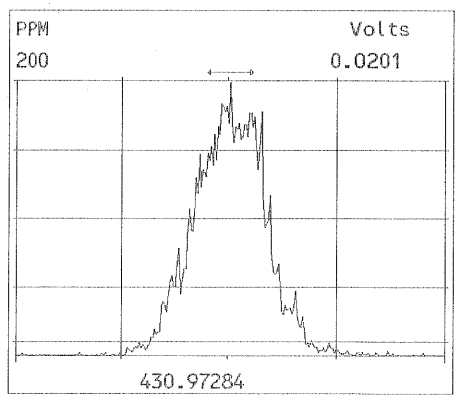


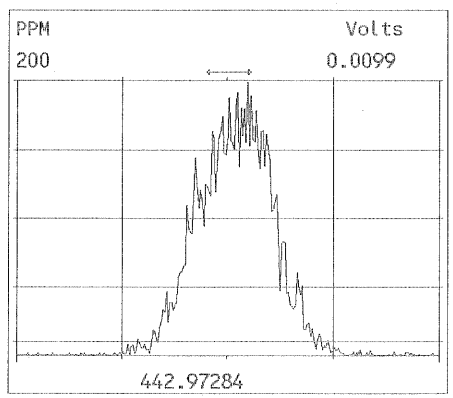












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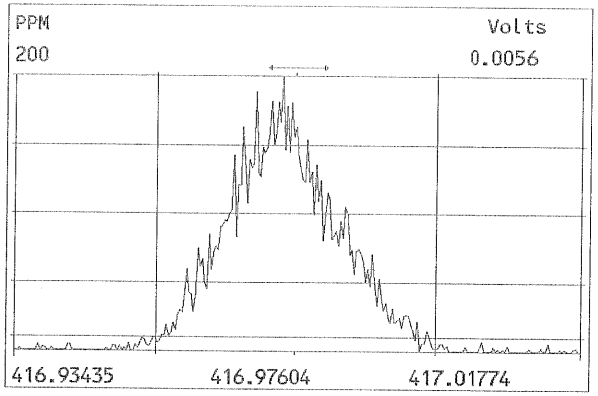
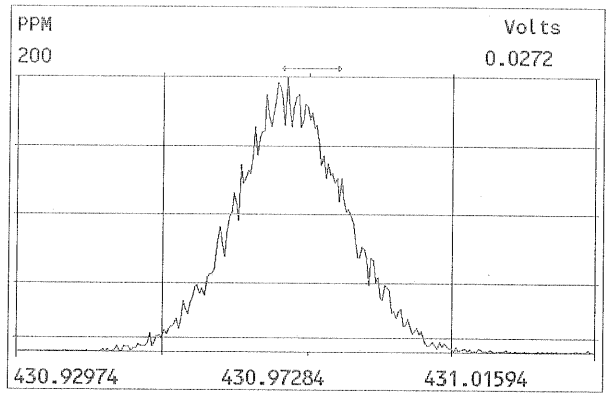
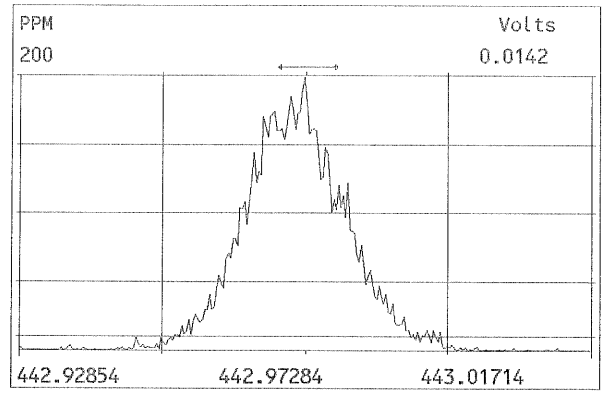
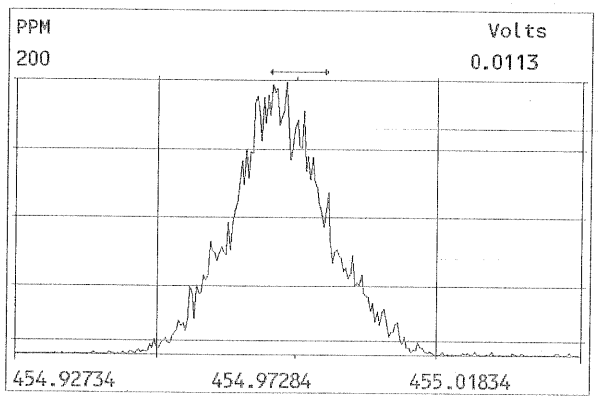
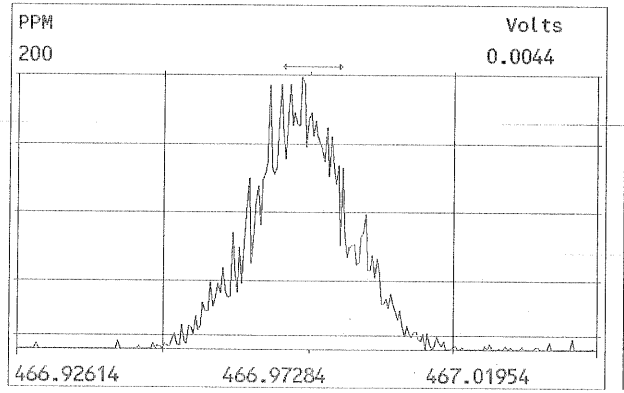
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

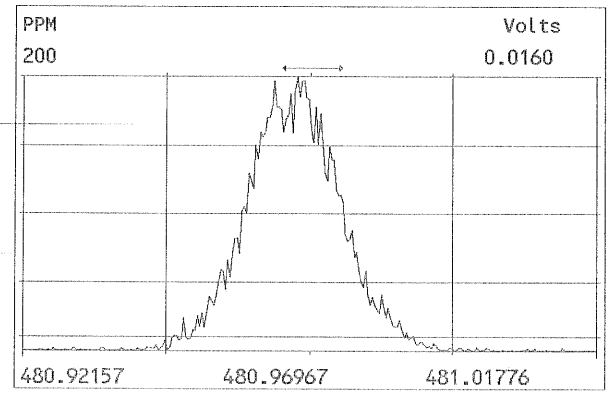


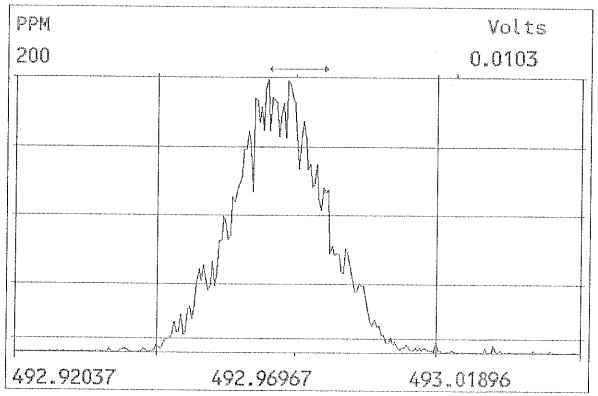


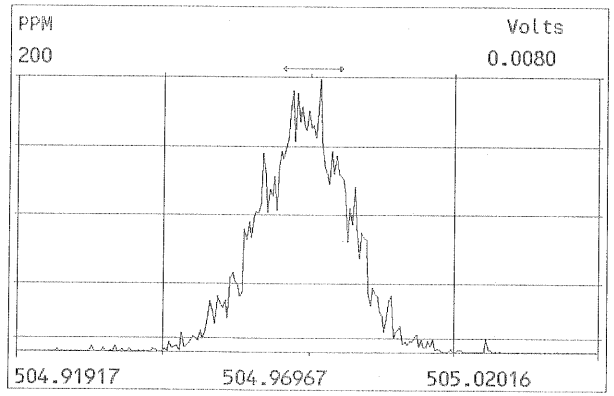


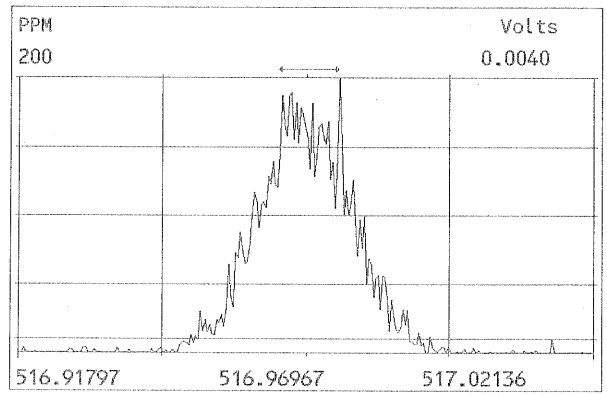












000267

Cal: DAILY209FAL4-11-7-20

Run: 07NOV20Z Analyte: Results: 13378-7 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:07NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3700	-	1.37	
13C-PCB-1	0.7097	-	0.71	
PCB-2	1.3857	-	1.39	
PCB-3	1.3958	-	1.40	
13C-PCB-3	0.6885	-	0.69	
PCB-4	1.0780	-	1.08	
PCB-10	1.6337	-	1.63	
13C-PCB-4	0.6536	-	0.65	
PCB-9	1.5129	-	1.51	
PCB-7	1.5346	-	1.53	
PCB-6	1.5164	-	1.52	
PCB-8	1.5051	-	1.51	
PCB-5	1.5559	-	1.56	
PCB-14	1.4704	-	1.47	
PCB-11	1.4175	-	1.42	
PCB-13	1.4278	-	1.43	
PCB-12	1.4360	-	1.44	
PCB-15	1.3147	-	1.31	
13C-PCB-15	0.9758	-	0.98	
PCB-19	1.3430	-	1.34	
PCB-30	1.9449	-	1.94	
PCB-18	1.3323	-	1.33	
PCB-17	1.4415	-	1.44	
PCB-27	1.8591	-	1.86	
PCB-24	1.8301	-	1.83	
PCB-16	1.5980	-	1.60	
PCB-32	1.7122	-	1.71	
13C-PCB-19	0.3835	-	0.38	
13C-PCB-9	-	-	-	
PCB-34	1.2625	-	1.26	
PCB-23	1.5160	-	1.52	
PCB-29	1.4032	-	1.40	
PCB-26	1.3265	-	1.33	
PCB-25	1.3064	-	1.31	
PCB-31	1.4040	-	1.40	
PCB-28	1.5521	-	1.55	
PCB-20	1.2909	-	1.29	Co-elute PCB 21/33
PCB-21	1.2909	-	1.29	Co-elute PCB 20/33
PCB-33	1.2909	-	1.29	Co-elute PCB 20/21
PCB-22	1.4783	-	1.48	
PCB-36	1.3244	-	1.32	
PCB-39	1.3210	-	1.32	
PCB-38	1.3300	-	1.33	
PCB-35	1.2386	-	1.24	
PCB-37	1.2765	-	1.28	
13C-PCB-37	1.7613	-	1.76	

PCB-54	1.3662	-	1.37	
PCB-50	1.0686	-	1.07	
PCB-53	1.0249	-	1.02	
PCB-51	1.0998	-	1.10	
PCB-45	0.9032	-	0.90	
PCB-46	0.8592	-	0.86	
PCB-52	1.0708	-	1.07	Co-elute PCB 69
PCB-69	1.0708	-	1.07	Co-elute PCB 52
PCB-73	1.3760	-	1.38	
PCB-43	0.9795	-	0.98	Co-elute PCB 49
PCB-49	0.9795	-	0.98	Co-elute PCB 43
PCB-47	1.0402	-	1.04	
PCB-48	1.2213	-	1.22	Co-elute PCB 75
PCB-75	1.2213	-	1.22	Co-elute PCB 48
PCB-65	1.2311	-	1.23	
PCB-62	1.3581	-	1.36	
PCB-44	0.8488	-	0.85	
PCB-42	1.1039	-	1.10	Co-elute PCB 59
PCB-59	1.1039	-	1.10	Co-elute PCB 42
PCB-72	1.2326	-	1.23	Co-elute PCB 41/71/64
PCB-41	1.2326	-	1.23	Co-elute PCB 72/71/64
PCB-71	1.2326	-	1.23	Co-elute PCB 72/41/64
PCB-64	1.2326	-	1.23	Co-elute PCB 72/41/71
PCB-68	1.4023	-	1.40	
PCB-40	0.7799	-	0.78	
PCB-57	1.3346	-	1.33	
PCB-67	1.2254	-	1.23	
PCB-58	1.4435	-	1.44	
PCB-63	1.3451	-	1.35	
PCB-74	1.2813	-	1.28	
PCB-61	1.2350	-	1.23	Co-elute PCB 70
PCB-70	1.2350	-	1.23	Co-elute PCB 61
PCB-76	1.3765	-	1.38	Co-elute PCB 66
PCB-66	1.3765	-	1.38	Co-elute PCB 76
PCB-80	1.5806	-	1.58	
PCB-55	1.3629	-	1.36	
13C-PCB-54	1.2097	-	1.21	
PCB-104	1.2196	-	1.22	
PCB-96	1.1788	-	1.18	
PCB-103	0.9650	-	0.97	
PCB-100	0.9929	-	0.99	
PCB-94	0.8186	-	0.82	
PCB-98	0.8569	-	0.86	Co-elute PCB 102
PCB-102	0.8569	-	0.86	Co-elute PCB 98
PCB-95	0.8667	-	0.87	
PCB-93	0.8553	-	0.86	
PCB-88	0.8971	-	0.90	Co-elute PCB 91
PCB-91	0.8971	-	0.90	Co-elute PCB 88
PCB-121	1.1855	-	1.19	
13C-PCB-104	0.7809	-	0.78	
13C-PCB-28	2.1941	-	2.19	
13C-PCB-52	-	-	-	

PCB-56	1.2502	-	1.25	Co-elute PCB 60
PCB-60	1.2502	-	1.25	Co-elute PCB 56
PCB-79	1.3132	-	1.31	
PCB-78	1.2675	-	1.27	
PCB-81	1.3283	-	1.33	
13C-PCB-81	1.8374	-	1.84	
PCB-77	1.1694	-	1.17	
13C-PCB-77	1.8929	-	1.89	
PCB-155	1.1609	-	1.16	
PCB-150	1.1007	-	1.10	
PCB-152	1.0899	-	1.09	
PCB-145	1.1158	-	1.12	
PCB-136	1.0604	-	1.06	
PCB-148	0.8645	-	0.86	
PCB-154	0.9404	-	0.94	
13C-PCB-155	1.0199	-	1.02	
13C-PCB-111	1.3120	-	1.31	
13C-PCB-101	-	-	-	
PCB-84	0.6929	-	0.69	Co-elute PCB 92
PCB-92	0.6929	-	0.69	Co-elute PCB 84
PCB-89	0.6831	-	0.68	
PCB-90	0.7636	-	0.76	Co-elute PCB 101
PCB-101	0.7636	-	0.76	Co-elute PCB 90
PCB-113	0.8129	-	0.81	
PCB-99	0.8852	-	0.89	
PCB-119	0.9686	-	0.97	
PCB-83	0.7572	-	0.76	Co-elute PCB 112
PCB-112	0.7572	-	0.76	Co-elute PCB 83
PCB-109	0.9456	-	0.95	
PCB-97	0.6621	-	0.66	
PCB-86	0.6668	-	0.67	
PCB-125	0.8597	-	0.86	Co-elute PCB 87/117
PCB-87	0.8597	-	0.86	Co-elute PCB 125/117
PCB-117	0.8597	-	0.86	Co-elute PCB 125/87
PCB-111	0.9865	-	0.99	Co-elute PCB 115
PCB-115	0.9865	-	0.99	Co-elute PCB 111
PCB-85	0.8267	-	0.83	Co-elute PCB 116
PCB-116	0.8267	-	0.83	Co-elute PCB 85
PCB-120	1.0037	-	1.00	
PCB-110	0.9882	-	0.99	
PCB-82	0.5819	-	0.58	
PCB-124	1.2705	-	1.27	
PCB-108	1.2612	-	1.26	Co-elute PCB 107
PCB-107	1.2612	-	1.26	Co-elute PCB 108
PCB-123	1.2112	-	1.21	
13C-PCB-123	1.4234	-	1.42	
PCB-118	1.2059	-	1.21	Co-elute PCB 106
PCB-106	1.2059	-	1.21	Co-elute PCB 118
13C-PCB-118	1.5376	-	1.54	
PCB-114	1.2989	-	1.30	
13C-PCB-114	1.4578	-	1.46	
PCB-122	1.2897	-	1.29	
PCB-105	1.3064	-	1.31	
13C-PCB-105	1.4539	-	1.45	
PCB-127	1.2066	-	1.21	
PCB-126	1.2777	-	1.28	
13C-PCB-126	1.3132	-	1.31	

PCB-151	1.0029	-	1.00	
PCB-135	1.0091	-	1.01	
PCB-144	1.0322	-	1.03	
PCB-147	1.1145	-	1.11	
PCB-139	1.0903	-	1.09	Co-elute PCB 149
PCB-149	1.0903	-	1.09	Co-elute PCB 139
PCB-140	1.1066	-	1.11	
PCB-143	0.9029	-	0.90	Co-elute PCB 134
PCB-134	0.9029	-	0.90	Co-elute PCB 143
PCB-131	0.9189	-	0.92	Co-elute PCB 133
PCB-133	0.9189	-	0.92	Co-elute PCB 131
PCB-142	0.9401	-	0.94	
PCB-165	1.2010	-	1.20	Co-elute PCB 146
PCB-146	1.2010	-	1.20	Co-elute PCB 165
PCB-161	1.1411	-	1.14	Co-elute PCB 132
PCB-132	1.1411	-	1.14	Co-elute PCB 161
PCB-153	1.1933	-	1.19	
PCB-168	1.3316	-	1.33	
PCB-141	1.0255	-	1.03	
PCB-137	1.0261	-	1.03	
PCB-130	0.8895	-	0.89	
PCB-138	1.1948	-	1.19	Co-elute PCB 163/164
PCB-163	1.1948	-	1.19	Co-elute PCB 138/164
PCB-164	1.1948	-	1.19	Co-elute PCB 138/163
PCB-158	1.3298	-	1.33	Co-elute PCB 160
PCB-160	1.3298	-	1.33	Co-elute PCB 158
PCB-129	0.8654	-	0.87	
PCB-166	1.2922	-	1.29	
PCB-159	1.3855	-	1.39	
PCB-128	1.1152	-	1.12	Co-elute PCB 162
PCB-162	1.1152	-	1.12	Co-elute PCB 128
PCB-167	1.2372	-	1.24	
13C-PCB-167	1.1440	-	1.14	
PCB-156	1.3008	-	1.30	
13C-PCB-156	1.1045	-	1.10	
PCB-157	1.2650	-	1.27	
13C-PCB-157	1.1566	-	1.16	
PCB-169	1.2059	-	1.21	
13C-PCB-169	1.0695	-	1.07	
PCB-188	1.1892	-	1.19	
13C-PCB-188	0.9246	-	0.92	

PCB-184	1.3292	-	1.33	
PCB-179	1.2582	-	1.26	
PCB-176	1.1951	-	1.20	
PCB-186	1.2197	-	1.22	
PCB-178	0.8767	-	0.88	
PCB-175	0.9288	-	0.93	
PCB-187	0.9964	-	1.00	Co-elute PCB 182
PCB-182	0.9964	-	1.00	Co-elute PCB 187
PCB-183	0.9921	-	0.99	
PCB-185	0.9014	-	0.90	
PCB-174	0.8422	-	0.84	
PCB-181	1.0074	-	1.01	
PCB-177	0.8563	-	0.86	
PCB-171	0.9065	-	0.91	
PCB-173	0.8493	-	0.85	
PCB-172	0.8541	-	0.85	
PCB-192	1.1462	-	1.15	
PCB-180	0.8940	-	0.89	
PCB-193	1.2169	-	1.22	
PCB-191	1.1810	-	1.18	
PCB-170	0.8414	-	0.84	
PCB-190	1.1523	-	1.15	
PCB-189	1.1548	-	1.15	
13C-PCB-189	0.7997	-	0.80	
PCB-202	1.1086	-	1.11	
PCB-201	1.1858	-	1.19	
PCB-204	1.2134	-	1.21	
PCB-197	1.2243	-	1.22	
PCB-200	1.1886	-	1.19	
PCB-198	0.8598	-	0.86	
PCB-199	0.8794	-	0.88	
PCB-203	0.9547	-	0.95	Co-elute PCB 196
PCB-196	0.9547	-	0.95	Co-elute PCB 203
13C-PCB-202	0.6442	-	0.64	
13C-PCB-178	0.6731	-	0.67	
13C-PCB-138	-	-	-	
PCB-195	0.9293	-	0.93	
PCB-194	0.9511	-	0.95	
PCB-205	1.1799	-	1.18	
13C-PCB-205	1.2423	-	1.24	
PCB-208	1.1051	-	1.11	
13C-PCB-208	1.1183	-	1.12	
PCB-207	1.2850	-	1.29	
PCB-206	1.1338	-	1.13	
13C-PCB-206	0.8422	-	0.84	
PCB-209	1.2430	-	1.24	
13C-PCB-209	0.8139	-	0.81	
13C-PCB-194	-	-	-	

Analyst: [signature] Date: 11/7/00

Run #1 Filename 07NOV20Z S: 1 Acquired: 7-NOV-20 07:31:32 Cal: DAILY209FAL4-11-7-20
Client ID: ST110720Z1 Analyte: DAILY209FAL4-11-7-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.32e+07	3.18 y	14:35	-	1.37	
2	IS/RT	13C-PCB-1	100.00	3.38e+07	3.23 y	14:34	-	0.710	
3	Unk	PCB-2	50.00	2.31e+07	3.22 y	16:48	-	1.39	
4	Unk	PCB-3	50.00	2.29e+07	3.22 y	17:01	-	1.40	
5	IS/RT	13C-PCB-3	100.00	3.28e+07	3.31 y	17:00	-	0.688	
6	Unk	PCB-4	50.00	1.68e+07	1.48 y	18:16	-	1.08	
7	Unk	PCB-10	50.00	3.17e+07	1.55 y	18:19	-	1.63	
8	IS/RT	13C-PCB-4	100.00	3.12e+07	1.57 y	18:14	-	0.654	
9	Unk	PCB-9	50.00	2.94e+07	1.54 y	19:56	-	1.51	
10	Unk	PCB-7	50.00	2.98e+07	1.54 y	19:58	-	1.53	
11	Unk	PCB-6	50.00	2.95e+07	1.58 y	20:33	-	1.52	
12	Unk	PCB-8	50.00	2.92e+07	1.58 y	20:57	-	1.51	
13	Unk	PCB-5	50.00	3.02e+07	1.45 y	20:58	-	1.56	
14	Unk	PCB-14	50.00	2.86e+07	1.56 y	21:59	-	1.47	
15	Unk	PCB-11	50.00	2.75e+07	1.49 y	23:07	-	1.42	
16	Unk	PCB-13	50.00	2.77e+07	1.45 y	23:27	-	1.43	
17	Unk	PCB-12	50.00	2.79e+07	1.53 y	23:30	-	1.44	
18	Unk	PCB-15	50.00	3.06e+07	1.61 y	23:47	-	1.31	
19	IS/RT	13C-PCB-15	100.00	4.65e+07	1.58 y	23:46	-	0.976	
20	Unk	PCB-19	50.00	1.23e+07	1.09 y	22:09	-	1.34	
21	Unk	PCB-30	50.00	1.78e+07	1.08 y	22:59	-	1.94	
22	Unk	PCB-18	50.00	1.22e+07	1.08 y	23:41	-	1.33	
23	Unk	PCB-17	50.00	1.32e+07	1.06 y	23:51	-	1.44	
24	Unk	PCB-27	50.00	1.70e+07	1.07 y	24:23	-	1.86	
25	Unk	PCB-24	50.00	1.67e+07	1.07 y	24:24	-	1.83	
26	Unk	PCB-16	50.00	1.46e+07	1.07 y	24:52	-	1.60	
27	Unk	PCB-32	50.00	1.57e+07	1.08 y	24:54	-	1.71	
28	IS/RT	13C-PCB-19	100.00	1.83e+07	1.09 y	22:08	-	0.383	
29	RS	13C-PCB-9	100.00	4.77e+07	1.66 y	19:55	4.77e+05	-	
30	Unk	PCB-34	50.00	2.40e+07	1.04 y	25:38	-	1.26	
31	Unk	PCB-23	50.00	2.89e+07	1.07 y	25:44	-	1.52	
32	Unk	PCB-29	50.00	2.67e+07	1.07 y	25:58	-	1.40	
33	Unk	PCB-26	50.00	2.53e+07	1.08 y	26:09	-	1.33	
34	Unk	PCB-25	50.00	2.49e+07	1.07 y	26:18	-	1.31	
35	Unk	PCB-31	50.00	2.67e+07	1.06 y	26:38	-	1.40	
36	Unk	PCB-28	50.00	2.96e+07	1.07 y	26:45	-	1.55	
37	Unk	PCB-20	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	2.81e+07	1.07 y	27:44	-	1.48	
41	Unk	PCB-36	50.00	2.52e+07	1.06 y	28:19	-	1.32	
42	Unk	PCB-39	50.00	2.52e+07	1.08 y	28:46	-	1.32	
43	Unk	PCB-38	50.00	2.53e+07	1.06 y	29:30	-	1.33	
44	Unk	PCB-35	50.00	2.36e+07	1.07 y	30:01	-	1.24	
45	Unk	PCB-37	50.00	2.43e+07	1.05 y	30:25	-	1.28	
46	IS	13C-PCB-37	100.00	3.81e+07	1.09 y	30:23	-	1.76	

47	Unk	PCB-54	100.00	3.57e+07	0.81	y	25:40	-	1.37	
48	Unk	PCB-50	100.00	2.80e+07	0.79	y	26:47	-	1.07	
49	Unk	PCB-53	100.00	2.68e+07	0.78	y	27:23	-	1.02	
50	Unk	PCB-51	100.00	2.88e+07	0.79	y	27:43	-	1.10	
51	Unk	PCB-45	100.00	2.36e+07	0.79	y	28:07	-	0.903	
52	Unk	PCB-46	100.00	2.25e+07	0.79	y	28:35	-	0.859	
53	Unk	PCB-52	200.00	5.60e+07	0.78	y	29:01	-	1.07	Co-elute PCB 69
54	Unk	PCB-69	200.00	5.60e+07	0.78	y	29:01	-	1.07	Co-elute PCB 52
55	Unk	PCB-73	100.00	3.60e+07	0.80	y	29:08	-	1.38	
56	Unk	PCB-43	200.00	5.12e+07	0.79	y	29:18	-	0.980	Co-elute PCB 49
57	Unk	PCB-49	200.00	5.12e+07	0.79	y	29:18	-	0.980	Co-elute PCB 43
58	Unk	PCB-47	100.00	2.72e+07	0.77	y	29:30	-	1.04	
59	Unk	PCB-48	200.00	6.39e+07	0.80	y	29:37	-	1.22	Co-elute PCB 75
60	Unk	PCB-75	200.00	6.39e+07	0.80	y	29:37	-	1.22	Co-elute PCB 48
61	Unk	PCB-65	100.00	3.22e+07	0.79	y	29:52	-	1.23	
62	Unk	PCB-62	100.00	3.55e+07	0.79	y	29:58	-	1.36	
63	Unk	PCB-44	100.00	2.22e+07	0.80	y	30:15	-	0.849	
64	Unk	PCB-42	200.00	5.77e+07	0.80	y	30:27	-	1.10	Co-elute PCB 59
65	Unk	PCB-59	200.00	5.77e+07	0.80	y	30:27	-	1.10	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.29e+08	0.79	y	31:00	-	1.23	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.29e+08	0.79	y	31:00	-	1.23	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.29e+08	0.79	y	31:00	-	1.23	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.29e+08	0.79	y	31:00	-	1.23	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	3.67e+07	0.80	y	31:15	-	1.40	
71	Unk	PCB-40	100.00	2.04e+07	0.78	y	31:28	-	0.780	
72	Unk	PCB-57	100.00	3.49e+07	0.79	y	31:48	-	1.33	
73	Unk	PCB-67	100.00	3.21e+07	0.78	y	32:06	-	1.23	
74	Unk	PCB-58	100.00	3.78e+07	0.79	y	32:12	-	1.44	
75	Unk	PCB-63	100.00	3.52e+07	0.78	y	32:21	-	1.35	
76	Unk	PCB-74	100.00	3.35e+07	0.78	y	32:37	-	1.28	
77	Unk	PCB-61	200.00	6.46e+07	0.79	y	32:49	-	1.23	Co-elute PCB 70
78	Unk	PCB-70	200.00	6.46e+07	0.79	y	32:49	-	1.23	Co-elute PCB 61
79	Unk	PCB-76	200.00	7.20e+07	0.79	y	33:01	-	1.38	Co-elute PCB 66
80	Unk	PCB-66	200.00	7.20e+07	0.79	y	33:01	-	1.38	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.13e+07	0.79	y	33:13	-	1.58	
82	Unk	PCB-55	100.00	3.56e+07	0.79	y	33:32	-	1.36	
83	IS/RT	13C-PCB-54	100.00	2.62e+07	0.83	y	25:39	-	1.21	
84	Unk	PCB-104	100.00	2.06e+07	1.56	y	30:07	-	1.22	
85	Unk	PCB-96	100.00	1.99e+07	1.57	y	31:18	-	1.18	
86	Unk	PCB-103	100.00	1.63e+07	1.59	y	31:48	-	0.965	
87	Unk	PCB-100	100.00	1.68e+07	1.59	y	32:08	-	0.993	
88	Unk	PCB-94	100.00	1.38e+07	1.57	y	32:35	-	0.819	
89	Unk	PCB-98	200.00	2.89e+07	1.60	y	33:01	-	0.857	Co-elute PCB 102
90	Unk	PCB-102	200.00	2.89e+07	1.60	y	33:01	-	0.857	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.46e+07	1.56	y	33:05	-	0.867	
92	Unk	PCB-93	100.00	1.44e+07	1.63	y	33:10	-	0.855	
93	Unk	PCB-88	200.00	3.03e+07	1.55	y	33:29	-	0.897	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.03e+07	1.55	y	33:29	-	0.897	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.00e+07	1.58	y	33:33	-	1.19	
96	IS	13C-PCB-104	100.00	1.69e+07	1.59	y	30:06	-	0.781	
97	C/Up	13C-PCB-28	100.00	4.74e+07	1.05	y	26:43	-	2.19	
98	RS	13C-PCB-52	100.00	2.16e+07	0.81	y	29:00	2.16e+05	-	
99	Unk	PCB-56	200.00	8.63e+07	0.77	y	34:01	-	1.25	Co-elute PCB 60
100	Unk	PCB-60	200.00	8.63e+07	0.77	y	34:01	-	1.25	Co-elute PCB 56

101	Unk	PCB-79	100.00	4.53e+07	0.81 y	35:01	-	1.31	
102	Unk	PCB-78	100.00	4.37e+07	0.80 y	35:40	-	1.27	
103	Unk	PCB-81	100.00	4.51e+07	0.81 y	36:11	-	1.33	
104	IS	13C-PCB-81	100.00	3.40e+07	0.81 y	36:10	-	1.84	
105	Unk	PCB-77	100.00	4.09e+07	0.83 y	36:45	-	1.17	
106	IS/RT	13C-PCB-77	100.00	3.50e+07	0.81 y	36:44	-	1.89	
107	Unk	PCB-155	100.00	2.19e+07	1.27 y	34:16	-	1.16	
108	Unk	PCB-150	100.00	2.08e+07	1.26 y	35:28	-	1.10	
109	Unk	PCB-152	100.00	2.06e+07	1.28 y	35:54	-	1.09	
110	Unk	PCB-145	100.00	2.10e+07	1.28 y	36:20	-	1.12	
111	Unk	PCB-136	100.00	2.00e+07	1.26 y	36:39	-	1.06	
112	Unk	PCB-148	100.00	1.63e+07	1.28 y	36:44	-	0.865	
113	Unk	PCB-154	100.00	1.77e+07	1.28 y	37:11	-	0.940	
114	IS	13C-PCB-155	100.00	1.89e+07	1.28 y	34:14	-	1.02	
115	C/Up	13C-PCB-111	100.00	2.43e+07	1.59 y	36:18	-	1.31	
116	RS	13C-PCB-101	100.00	1.85e+07	1.65 y	34:41	1.85e+05	-	
117	Unk	PCB-84	200.00	4.27e+07	1.60 y	34:21	-	0.693	Co-elute PCB 92
118	Unk	PCB-92	200.00	4.27e+07	1.60 y	34:21	-	0.693	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.10e+07	1.57 y	34:31	-	0.683	
120	Unk	PCB-90	200.00	4.70e+07	1.61 y	34:41	-	0.764	Co-elute PCB 101
121	Unk	PCB-101	200.00	4.70e+07	1.61 y	34:41	-	0.764	Co-elute PCB 90
122	Unk	PCB-113	100.00	2.50e+07	1.56 y	34:55	-	0.813	
123	Unk	PCB-99	100.00	2.73e+07	1.63 y	35:01	-	0.885	
124	Unk	PCB-119	100.00	2.98e+07	1.59 y	35:27	-	0.969	
125	Unk	PCB-83	200.00	4.66e+07	1.60 y	35:35	-	0.757	Co-elute PCB 112
126	Unk	PCB-112	200.00	4.66e+07	1.60 y	35:35	-	0.757	Co-elute PCB 83
127	Unk	PCB-109	100.00	2.91e+07	1.59 y	35:45	-	0.946	
128	Unk	PCB-97	100.00	2.04e+07	1.57 y	35:56	-	0.662	
129	Unk	PCB-86	100.00	2.05e+07	1.56 y	36:04	-	0.667	
130	Unk	PCB-125	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	6.07e+07	1.51 y	36:21	-	0.987	Co-elute PCB 115
134	Unk	PCB-115	200.00	6.07e+07	1.51 y	36:21	-	0.987	Co-elute PCB 111
135	Unk	PCB-85	200.00	5.09e+07	1.62 y	36:28	-	0.827	Co-elute PCB 116
136	Unk	PCB-116	200.00	5.09e+07	1.62 y	36:28	-	0.827	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.09e+07	1.55 y	36:41	-	1.00	
138	Unk	PCB-110	100.00	3.04e+07	1.59 y	36:50	-	0.988	
139	Unk	PCB-82	100.00	1.79e+07	1.59 y	37:25	-	0.582	
140	Unk	PCB-124	100.00	3.91e+07	1.56 y	38:04	-	1.27	
141	Unk	PCB-108	200.00	7.77e+07	1.60 y	38:13	-	1.26	Co-elute PCB 107
142	Unk	PCB-107	200.00	7.77e+07	1.60 y	38:13	-	1.26	Co-elute PCB 108
143	Unk	PCB-123	100.00	3.62e+07	1.60 y	38:23	-	1.21	
144	IS	13C-PCB-123	100.00	2.98e+07	1.61 y	38:21	-	1.42	
145	Unk	PCB-118	200.00	7.78e+07	1.59 y	38:34	-	1.21	Co-elute PCB 106
146	Unk	PCB-106	200.00	7.78e+07	1.59 y	38:34	-	1.21	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	3.22e+07	1.62 y	38:31	-	1.54	
148	Unk	PCB-114	100.00	3.97e+07	1.58 y	39:10	-	1.30	
149	IS	13C-PCB-114	100.00	3.06e+07	1.62 y	39:09	-	1.46	
150	Unk	PCB-122	100.00	3.97e+07	1.60 y	39:17	-	1.29	
151	Unk	PCB-105	100.00	3.98e+07	1.57 y	39:58	-	1.31	
152	IS	13C-PCB-105	100.00	3.05e+07	1.61 y	39:58	-	1.45	
153	Unk	PCB-127	100.00	3.71e+07	1.65 y	40:18	-	1.21	
154	Unk	PCB-126	100.00	3.52e+07	1.60 y	42:06	-	1.28	
155	IS	13C-PCB-126	100.00	2.75e+07	1.65 y	42:05	-	1.31	

156	Unk	PCB-151	100.00	2.35e+07	1.29 y	37:50	-	1.00	
157	Unk	PCB-135	100.00	2.37e+07	1.28 y	38:01	-	1.01	
158	Unk	PCB-144	100.00	2.42e+07	1.28 y	38:08	-	1.03	
159	Unk	PCB-147	100.00	2.61e+07	1.26 y	38:14	-	1.11	
160	Unk	PCB-139	200.00	5.12e+07	1.28 y	38:31	-	1.09	Co-elute PCB 149
161	Unk	PCB-149	200.00	5.12e+07	1.28 y	38:31	-	1.09	Co-elute PCB 139
162	Unk	PCB-140	100.00	2.60e+07	1.27 y	38:41	-	1.11	
163	Unk	PCB-143	200.00	4.24e+07	1.28 y	39:05	-	0.903	Co-elute PCB 134
164	Unk	PCB-134	200.00	4.24e+07	1.28 y	39:05	-	0.903	Co-elute PCB 143
165	Unk	PCB-131	200.00	4.31e+07	1.27 y	39:22	-	0.919	Co-elute PCB 133
166	Unk	PCB-133	200.00	4.31e+07	1.27 y	39:22	-	0.919	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.21e+07	1.27 y	39:32	-	0.940	
168	Unk	PCB-165	200.00	5.63e+07	1.25 y	39:43	-	1.20	Co-elute PCB 146
169	Unk	PCB-146	200.00	5.63e+07	1.25 y	39:43	-	1.20	Co-elute PCB 165
170	Unk	PCB-161	200.00	5.35e+07	1.27 y	39:56	-	1.14	Co-elute PCB 132
171	Unk	PCB-132	200.00	5.35e+07	1.27 y	39:56	-	1.14	Co-elute PCB 161
172	Unk	PCB-153	100.00	2.80e+07	1.28 y	40:06	-	1.19	
173	Unk	PCB-168	100.00	3.12e+07	1.25 y	40:18	-	1.33	
174	Unk	PCB-141	100.00	2.41e+07	1.26 y	40:49	-	1.03	
175	Unk	PCB-137	100.00	2.41e+07	1.27 y	41:10	-	1.03	
176	Unk	PCB-130	100.00	2.09e+07	1.29 y	41:17	-	0.890	
177	Unk	PCB-138	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	6.24e+07	1.28 y	41:52	-	1.33	Co-elute PCB 160
181	Unk	PCB-160	200.00	6.24e+07	1.28 y	41:52	-	1.33	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.03e+07	1.28 y	42:05	-	0.865	
183	Unk	PCB-166	100.00	3.03e+07	1.25 y	42:31	-	1.29	
184	Unk	PCB-159	100.00	3.25e+07	1.26 y	42:49	-	1.39	
185	Unk	PCB-128	200.00	5.23e+07	1.28 y	43:06	-	1.12	Co-elute PCB 162
186	Unk	PCB-162	200.00	5.23e+07	1.28 y	43:06	-	1.12	Co-elute PCB 128
187	Unk	PCB-167	100.00	2.97e+07	1.27 y	43:27	-	1.24	
188	IS	13C-PCB-167	100.00	2.40e+07	1.30 y	43:27	-	1.14	
189	Unk	PCB-156	100.00	3.01e+07	1.27 y	44:41	-	1.30	
190	IS	13C-PCB-156	100.00	2.32e+07	1.31 y	44:41	-	1.10	
191	Unk	PCB-157	100.00	3.07e+07	1.29 y	44:58	-	1.27	
192	IS	13C-PCB-157	100.00	2.43e+07	1.29 y	44:56	-	1.16	
193	Unk	PCB-169	100.00	2.70e+07	1.26 y	46:48	-	1.21	
194	IS	13C-PCB-169	100.00	2.24e+07	1.31 y	46:46	-	1.07	
195	Unk	PCB-188	100.00	2.31e+07	1.06 y	39:45	-	1.19	
196	IS	13C-PCB-188	100.00	1.94e+07	1.06 y	39:45	-	0.925	

197	Unk	PCB-184	100.00	2.40e+07	1.05 y	40:11	-	1.33	
198	Unk	PCB-179	100.00	2.27e+07	1.08 y	40:56	-	1.26	
199	Unk	PCB-176	100.00	2.16e+07	1.06 y	41:22	-	1.20	
200	Unk	PCB-186	100.00	2.21e+07	1.08 y	41:57	-	1.22	
201	Unk	PCB-178	100.00	1.58e+07	1.07 y	42:23	-	0.877	
202	Unk	PCB-175	100.00	1.68e+07	1.07 y	42:43	-	0.929	
203	Unk	PCB-187	200.00	3.60e+07	1.07 y	42:53	-	0.996	Co-elute PCB 182
204	Unk	PCB-182	200.00	3.60e+07	1.07 y	42:53	-	0.996	Co-elute PCB 187
205	Unk	PCB-183	100.00	1.79e+07	1.07 y	43:11	-	0.992	
206	Unk	PCB-185	100.00	1.63e+07	1.08 y	43:48	-	0.901	
207	Unk	PCB-174	100.00	1.52e+07	1.05 y	44:10	-	0.842	
208	Unk	PCB-181	100.00	1.82e+07	1.06 y	44:15	-	1.01	
209	Unk	PCB-177	100.00	1.55e+07	1.07 y	44:25	-	0.856	
210	Unk	PCB-171	100.00	1.64e+07	1.07 y	44:41	-	0.906	
211	Unk	PCB-173	100.00	1.54e+07	1.06 y	45:06	-	0.849	
212	Unk	PCB-172	100.00	1.54e+07	1.06 y	45:29	-	0.854	
213	Unk	PCB-192	100.00	2.07e+07	1.06 y	45:39	-	1.15	
214	Unk	PCB-180	100.00	1.62e+07	1.06 y	45:50	-	0.894	
215	Unk	PCB-193	100.00	2.20e+07	1.06 y	46:00	-	1.22	
216	Unk	PCB-191	100.00	2.14e+07	1.07 y	46:13	-	1.18	
217	Unk	PCB-170	100.00	1.52e+07	1.06 y	47:08	-	0.841	
218	Unk	PCB-190	100.00	2.08e+07	1.09 y	47:16	-	1.15	
219	Unk	PCB-189	100.00	1.94e+07	1.04 y	48:28	-	1.15	
220	IS	13C-PCB-189	100.00	1.68e+07	1.07 y	48:27	-	0.800	
221	Unk	PCB-202	150.00	2.25e+07	0.91 y	44:53	-	1.11	
222	Unk	PCB-201	150.00	2.40e+07	0.95 y	45:19	-	1.19	
223	Unk	PCB-204	150.00	2.46e+07	0.86 y	45:27	-	1.21	
224	Unk	PCB-197	150.00	2.48e+07	0.91 y	45:44	-	1.22	
225	Unk	PCB-200	150.00	2.41e+07	0.91 y	46:28	-	1.19	
226	Unk	PCB-198	150.00	1.74e+07	0.90 y	47:37	-	0.860	
227	Unk	PCB-199	150.00	1.78e+07	0.92 y	47:44	-	0.879	
228	Unk	PCB-203	300.00	3.87e+07	0.91 y	47:59	-	0.955	Co-elute PCB 196
229	Unk	PCB-196	300.00	3.87e+07	0.91 y	47:59	-	0.955	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.35e+07	0.92 y	44:51	-	0.644	
231	C/Up	13C-PCB-178	100.00	1.41e+07	1.08 y	42:23	-	0.673	
232	RS	13C-PCB-138	100.00	2.10e+07	1.30 y	41:35	2.10e+05	-	
233	Unk	PCB-195	150.00	3.81e+07	0.90 y	49:04	-	0.929	
234	Unk	PCB-194	150.00	3.89e+07	0.92 y	49:53	-	0.951	
235	Unk	PCB-205	150.00	4.83e+07	0.91 y	50:07	-	1.18	
236	IS	13C-PCB-205	100.00	2.73e+07	0.91 y	50:07	-	1.24	
237	Unk	PCB-208	150.00	4.07e+07	1.35 y	49:12	-	1.11	
238	IS	13C-PCB-208	100.00	2.46e+07	0.80 y	49:11	-	1.12	
239	Unk	PCB-207	150.00	4.15e+07	1.37 y	49:28	-	1.29	
240	Unk	PCB-206	150.00	3.15e+07	1.33 y	51:20	-	1.13	
241	IS	13C-PCB-206	100.00	1.85e+07	0.82 y	51:19	-	0.842	
242	Unk	PCB-209	150.00	3.33e+07	1.21 y	52:31	-	1.24	
243	IS	13C-PCB-209	100.00	1.79e+07	1.22 y	52:30	-	0.814	
244	RS	13C-PCB-194	100.00	2.20e+07	0.91 y	49:52	2.20e+05	-	

Analyst: _____ Date: 11/7/86

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:1 Analysis Date: 7-NOV-20 07:31:32

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.18	2.66-3.60	y	56.6	37.5 - 62.5
PCB-3	M/M+2	3.22	2.66-3.60	y	56.7	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	47.3	37.5 - 62.5
PCB-15	M/M+2	1.61	1.33-1.79	y	60.2	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	55.4	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	55.8	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	115	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	117	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	109	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	118	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	115	75.0 - 125
PCB-118	M+2/M+4	1.59	1.32-1.78	y	215	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	109	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	118	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	115	75.0 - 125
PCB-157	M+2/M+4	1.29	1.05-1.43	y	117	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	108	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	162	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	163	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	164	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	165	112.5 - 187.5

Analyst: [illegible] Date: 11/7/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:1 Analysis Date: 7-NOV-20 07:31:32

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.23	2.66-3.60	y	78.9	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	74.0	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	99.2	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	89.8	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	76.0	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	107	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	95.8	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	117	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	117	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	76.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	113	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	113	50.0 - 145
13C-PCB-118	M+2/M+4	1.62	1.32-1.78	y	114	50.0 - 145
13C-PCB-123	M+2/M+4	1.61	1.32-1.78	y	111	50.0 - 145
13C-PCB-126	M+2/M+4	1.65	1.32-1.78	y	107	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.0	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	95.3	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	93.1	50.0 - 145
13C-PCB-169	M+2/M+4	1.31	1.05-1.43	y	91.4	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	82.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	82.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	67.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	94.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.82	0.65-0.89	y	89.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	81.3	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	73.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.05	0.88-1.20	y	127	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	103	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	86.7	75.0 - 125

Analyst: _____ Date: 11/7/20

FAL ID: ST110720Z1 Filename: 07NOV20Z Sam:1 Acquired: 7-NOV-20 07:31:32 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.32e+07	3.18 y	14:35	1.21	56.6		2.50	-	-	*	-
13C-PCB-1	3.38e+07	3.23 y	14:34	0.90	78.9		2.50				78.9
PCB-3	2.29e+07	3.22 y	17:01	1.23	56.7		2.50	-	-	*	-
13C-PCB-3	3.28e+07	3.31 y	16:60	0.93	74.0		2.50				74.0
PCB-4	1.68e+07	1.48 y	18:16	1.14	47.3		2.50	-	-	*	-
13C-PCB-4	3.12e+07	1.57 y	18:14	0.66	99.2		2.50				99.2
PCB-15	3.06e+07	1.61 y	23:47	1.09	60.2		2.50	-	-	*	-
13C-PCB-15	4.65e+07	1.58 y	23:46	1.09	89.8		2.50				89.8
PCB-19	1.23e+07	1.09 y	22:09	1.21	55.4		2.50	-	-	*	-
13C-PCB-19	1.83e+07	1.09 y	22:08	0.50	76.0		2.50				76.0
13C-PCB-9	4.77e+07	1.66 y	19:55	-	46.7		2.50				
PCB-37	2.43e+07	1.05 y	30:25	1.14	55.8		2.50	-	-	*	-
13C-PCB-37	3.81e+07	1.09 y	30:23	1.64	107		2.50				107
PCB-54	3.57e+07	0.81 y	25:40	1.18	115		2.50	-	-	*	-
13C-PCB-54	2.62e+07	0.83 y	25:39	1.26	95.8		2.50				95.8
PCB-104	2.06e+07	1.56 y	30:07	1.12	109		2.50	-	-	*	-
13C-PCB-104	1.69e+07	1.59 y	30:06	1.02	76.5		2.50				76.5
13C-PCB-28	4.74e+07	1.05 y	26:43	1.73	127		2.50				127
13C-PCB-52	2.16e+07	0.81 y	28:60	-	40.7		2.50				
PCB-81	4.51e+07	0.81 y	36:11	1.13	117		2.50	-	-	*	-
13C-PCB-81	3.40e+07	0.81 y	36:10	1.57	117		2.50				117
PCB-77	4.09e+07	0.83 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	3.50e+07	0.81 y	36:44	1.61	117		2.50				117
PCB-155	2.19e+07	1.27 y	34:16	1.13	102		2.50	-	-	*	-
13C-PCB-155	1.89e+07	1.28 y	34:14	1.10	92.4		2.50				92.4
13C-PCB-111	2.43e+07	1.59 y	36:18	1.27	103		2.50				103
13C-PCB-101	1.85e+07	1.65 y	34:41	-	38.8		2.50				
PCB-123	3.62e+07	1.60 y	38:23	1.11	109		2.50	-	-	*	-
13C-PCB-123	2.98e+07	1.61 y	38:21	1.28	111		2.50				111
PCB-118	7.78e+07	1.59 y	38:34	1.12	215		2.50	-	-	*	-
13C-PCB-118	3.22e+07	1.62 y	38:31	1.35	114		2.50				114
PCB-114	3.97e+07	1.58 y	39:10	1.13	115		2.50	-	-	*	-
13C-PCB-114	3.06e+07	1.62 y	39:09	1.29	113		2.50				113
PCB-105	3.98e+07	1.57 y	39:58	1.10	118		2.50	-	-	*	-
13C-PCB-105	3.05e+07	1.61 y	39:58	1.28	113		2.50				113
PCB-126	3.52e+07	1.60 y	42:06	1.08	118		2.50	-	-	*	-
13C-PCB-126	2.75e+07	1.65 y	42:05	1.23	107		2.50				107
PCB-167	2.97e+07	1.27 y	43:27	1.11	112		2.50	-	-	*	-
13C-PCB-167	2.40e+07	1.30 y	43:27	1.23	93.1		2.50				93.1
PCB-156	3.01e+07	1.27 y	44:41	1.13	115		2.50	-	-	*	-
13C-PCB-156	2.32e+07	1.31 y	44:41	1.19	93.0		2.50				93.0
PCB-157	3.07e+07	1.29 y	44:58	1.08	117		2.50	-	-	*	-
13C-PCB-157	2.43e+07	1.29 y	44:56	1.21	95.3		2.50				95.3
PCB-169	2.70e+07	1.26 y	46:48	1.08	112		2.50	-	-	*	-
13C-PCB-169	2.24e+07	1.31 y	46:46	1.17	91.4		2.50				91.4
PCB-188	2.31e+07	1.06 y	39:45	1.10	108		2.50	-	-	*	-
13C-PCB-188	1.94e+07	1.06 y	39:45	1.13	82.0		2.50				82.0
PCB-189	1.94e+07	1.04 y	48:28	1.07	108		2.50	-	-	*	-
13C-PCB-189	1.68e+07	1.07 y	48:27	0.97	82.8		2.50				82.8
PCB-202	2.25e+07	0.91 y	44:53	1.03	162		2.50	-	-	*	-
13C-PCB-202	1.35e+07	0.92 y	44:51	0.96	67.4		2.50				67.4
13C-PCB-178	1.41e+07	1.08 y	42:23	0.78	86.7		2.50				86.7
13C-PCB-138	2.10e+07	1.30 y	41:35	-	43.6		2.50				

FAL ID: ST110720Z1 Filename: 07NOV20Z Sam:1 Acquired: 7-NOV-20 07:31:32 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	4.83e+07	0.91 y	50:07	1.09	163	2.50	-	-	*	-
13C-PCB-205	2.73e+07	0.91 y	50:07	1.32	94.4	2.50				94.4
PCB-208	4.07e+07	1.35 y	49:12	1.01	164	2.50	-	-	*	-
13C-PCB-208	2.46e+07	0.80 y	49:11	1.38	81.3	2.50				81.3
PCB-206	3.15e+07	1.33 y	51:20	1.04	164	2.50	-	-	*	-
13C-PCB-206	1.85e+07	0.82 y	51:19	0.94	89.9	2.50				89.9
PCB-209	3.33e+07	1.21 y	52:31	1.13	165	2.50	-	-	*	-
13C-PCB-209	1.79e+07	1.22 y	52:30	1.10	73.8	2.50				73.8
13C-PCB-194	2.20e+07	0.91 y	49:52	-	57.7	2.50				

Analyst: [illegible] Date: 11/7/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/7/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	51.5	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	52.4	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	57.1	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	51.3	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	49.4	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	51.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	99.5	75.0 - 125
PCB-77	M/M+2	0.85	0.65-0.89	y	98.2	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	98.6	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	100	75.0 - 125
PCB-105	M+2/M+4	1.64	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.63	1.32-1.78	y	105	75.0 - 125
PCB-118	M+2/M+4	1.62	1.32-1.78	y	209	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	92.8	75.0 - 125
PCB-126	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	104	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.25	1.05-1.43	y	99.4	75.0 - 125
PCB-188	M+2/M+4	1.08	0.89-1.21	y	102	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	151	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	147	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	147	112.5 - 187.5
PCB-208	M+4/M+6	1.34	1.13-1.53	y	148	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	150	112.5 - 187.5

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

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/7/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.21	2.66-3.60	y	98.8	50.0 - 145
13C-PCB-3	M/M+2	3.30	2.66-3.60	y	96.2	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	99.5	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	96.4	50.0 - 145
13C-PCB-19	M/M+2	1.12	0.88-1.20	y	95.1	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	89.4	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	109	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	93.9	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	112	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	87.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	86.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	88.9	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	90.4	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	90.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	96.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	98.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	98.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	97.1	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	99.3	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	96.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	100	50.0 - 145
13C-PCB-202	M+2/M+4	0.88	0.76-1.02	y	91.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-209	M+4/M+6	1.23	0.99-1.33	y	104	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.02	0.88-1.20	y	92.6	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	97.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	100	75.0 - 125

Analyst: b Date: 11/9/20

FAL ID: ST110720Z2 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: DAILY209FAL4-11-7-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.04e+07	3.24 y	14:32	1.37	51.5		2.50	-	-	*	
13C-PCB-1	4.30e+07	3.21 y	14:31	0.71	98.8		2.50				98.8
PCB-3	2.97e+07	3.23 y	16:57	1.40	52.4		2.50	-	-	*	
13C-PCB-3	4.07e+07	3.30 y	16:56	0.69	96.2		2.50				96.2
PCB-4	2.46e+07	1.49 y	18:12	1.08	57.1		2.50	-	-	*	
13C-PCB-4	3.99e+07	1.60 y	18:11	0.65	99.5		2.50				99.5
PCB-15	3.89e+07	1.53 y	23:43	1.31	51.3		2.50	-	-	*	
13C-PCB-15	5.77e+07	1.63 y	23:41	0.98	96.4		2.50				96.4
PCB-19	1.48e+07	1.07 y	22:05	1.34	49.4		2.50	-	-	*	
13C-PCB-19	2.24e+07	1.12 y	22:03	0.38	95.1		2.50				95.1
13C-PCB-9	6.14e+07	1.61 y	19:51	-	129		2.50				
PCB-37	2.67e+07	1.13 y	30:21	1.28	51.3		2.50	-	-	*	
13C-PCB-37	4.07e+07	1.04 y	30:20	1.76	89.4		2.50				89.4
PCB-54	4.63e+07	0.78 y	25:37	1.37	99.5		2.50	-	-	*	
13C-PCB-54	3.40e+07	0.82 y	25:35	1.21	109		2.50				109
PCB-104	2.77e+07	1.57 y	30:02	1.22	100		2.50	-	-	*	
13C-PCB-104	2.26e+07	1.60 y	30:01	0.78	112		2.50				112
13C-PCB-28	5.25e+07	1.02 y	26:40	2.19	92.6		2.50				92.6
13C-PCB-52	2.59e+07	0.80 y	28:55	-	120		2.50				
PCB-81	5.38e+07	0.82 y	36:07	1.33	98.6		2.50	-	-	*	
13C-PCB-81	4.11e+07	0.79 y	36:06	1.84	92.6		2.50				92.6
PCB-77	4.93e+07	0.85 y	36:41	1.17	98.2		2.50	-	-	*	
13C-PCB-77	4.29e+07	0.80 y	36:39	1.89	93.9		2.50				93.9
PCB-155	2.87e+07	1.29 y	34:12	1.16	104		2.50	-	-	*	
13C-PCB-155	2.36e+07	1.30 y	34:11	1.02	96.0		2.50				96.0
13C-PCB-111	3.09e+07	1.63 y	36:15	1.31	97.5		2.50				97.5
13C-PCB-101	2.41e+07	1.64 y	34:36	-	131		2.50				
PCB-123	3.93e+07	1.62 y	38:19	1.21	92.8		2.50	-	-	*	
13C-PCB-123	3.50e+07	1.59 y	38:18	1.42	90.4		2.50				90.4
PCB-118	9.35e+07	1.62 y	38:29	1.21	209		2.50	-	-	*	
13C-PCB-118	3.72e+07	1.59 y	38:28	1.54	88.9		2.50				88.9
PCB-114	4.67e+07	1.63 y	39:05	1.30	105		2.50	-	-	*	
13C-PCB-114	3.42e+07	1.64 y	39:05	1.46	86.2		2.50				86.2
PCB-105	4.64e+07	1.64 y	39:55	1.31	103		2.50	-	-	*	
13C-PCB-105	3.45e+07	1.61 y	39:53	1.45	87.3		2.50				87.3
PCB-126	4.21e+07	1.63 y	42:02	1.28	101		2.50	-	-	*	
13C-PCB-126	3.24e+07	1.59 y	42:02	1.31	90.9		2.50				90.9
PCB-167	3.78e+07	1.26 y	43:24	1.24	101		2.50	-	-	*	
13C-PCB-167	3.02e+07	1.29 y	43:22	1.14	97.1		2.50				97.1
PCB-156	3.88e+07	1.25 y	44:38	1.30	101		2.50	-	-	*	
13C-PCB-156	2.97e+07	1.29 y	44:36	1.10	98.8		2.50				98.8
PCB-157	3.99e+07	1.28 y	44:53	1.27	102		2.50	-	-	*	
13C-PCB-157	3.09e+07	1.30 y	44:51	1.16	98.4		2.50				98.4
PCB-169	3.46e+07	1.25 y	46:45	1.21	99.4		2.50	-	-	*	
13C-PCB-169	2.89e+07	1.29 y	46:43	1.07	99.3		2.50				99.3
PCB-188	2.97e+07	1.08 y	39:42	1.19	102		2.50	-	-	*	
13C-PCB-188	2.44e+07	1.08 y	39:40	0.92	96.9		2.50				96.9
PCB-189	2.57e+07	1.06 y	48:25	1.15	102		2.50	-	-	*	
13C-PCB-189	2.18e+07	1.08 y	48:25	0.80	100		2.50				100
PCB-202	2.69e+07	0.93 y	44:48	1.11	151		2.50	-	-	*	
13C-PCB-202	1.60e+07	0.88 y	44:46	0.64	91.5		2.50				91.5
13C-PCB-178	1.83e+07	1.07 y	42:18	0.67	100		2.50				100
13C-PCB-138	2.72e+07	1.31 y	41:32	-	130		2.50				

FAL ID: ST11072022 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: DAILY209FAL4-11-7-20 2 of 2
Client ID: CS209 200406A ConCal: ST11072021 EndCal: ST11072022
Results: GC Column: DB1MS Amount: 1.000

PCB-205	5.93e+07	0.92 y	50:05	1.18	147	2.50	-	-	*	
13C-PCB-205	3.41e+07	0.90 y	50:05	1.24	102	2.50				102
PCB-208	5.24e+07	1.34 y	49:09	1.11	148	2.50	-	-	*	
13C-PCB-208	3.20e+07	0.81 y	49:08	1.12	107	2.50				107
PCB-206	3.78e+07	1.32 y	51:16	1.13	147	2.50	-	-	*	
13C-PCB-206	2.28e+07	0.80 y	51:16	0.84	101	2.50				101
PCB-209	4.22e+07	1.21 y	52:28	1.24	150	2.50	-	-	*	
13C-PCB-209	2.26e+07	1.23 y	52:27	0.81	104	2.50				104
13C-PCB-194	2.68e+07	0.89 y	49:49	-	122	2.50				

Analyst: _____ Date: 11/9/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:07NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

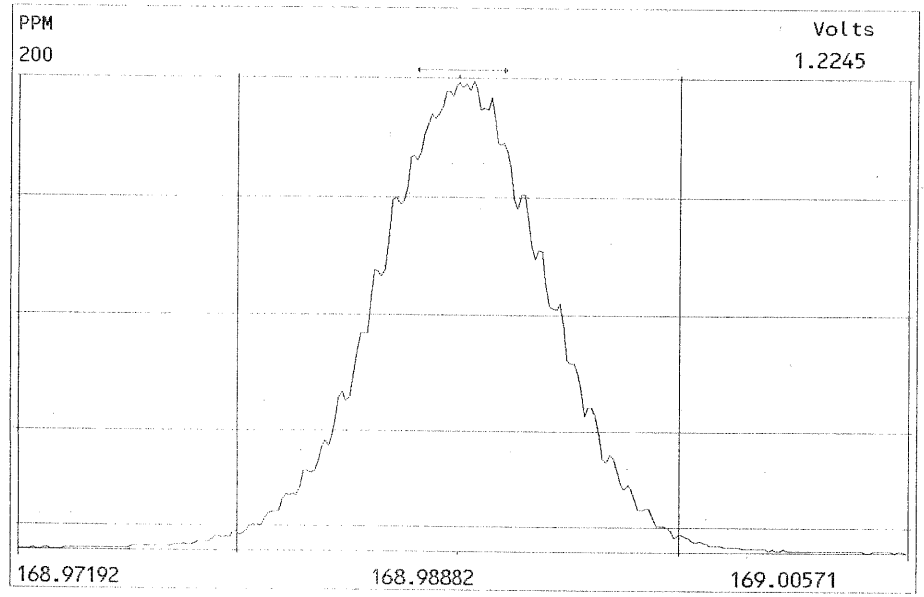
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
07NOV20Z	1	ST110720Z1	CS209 200406A	7-NOV-20 07:31:32	ST110720Z1	ST110720Z2	BS
07NOV20Z	2	05498-001-0001-OPR	OPR	7-NOV-20 08:29:52	ST110720Z1	ST110720Z2	BS
07NOV20Z	3	05498-001-0001-MB	Method Blank	7-NOV-20 09:28:13	ST110720Z1	ST110720Z2	BS
07NOV20Z	4	13378-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-CLAM	7-NOV-20 10:26:34	ST110720Z1	ST110720Z2	BS
07NOV20Z	5	13378-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-CLAM	7-NOV-20 11:24:55	ST110720Z1	ST110720Z2	BS
07NOV20Z	6	13378-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-CLAM	7-NOV-20 12:23:16	ST110720Z1	ST110720Z2	BS
07NOV20Z	7	13379-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CLAM	7-NOV-20 13:21:38	ST110720Z1	ST110720Z2	BS
07NOV20Z	8	13379-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CLAM	7-NOV-20 14:19:59	ST110720Z1	ST110720Z2	BS
07NOV20Z	9	13379-021-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CLAM	7-NOV-20 15:18:21	ST110720Z1	ST110720Z2	BS
07NOV20Z	10	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	7-NOV-20 16:16:42	ST110720Z1	ST110720Z2	BS
07NOV20Z	11	13380-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-WORM	7-NOV-20 17:15:03	ST110720Z1	ST110720Z2	BS
07NOV20Z	12	SB110720Z1	Solvent Blank	7-NOV-20 18:13:25	ST110720Z1	ST110720Z2	BS
07NOV20Z	13	13371-012-0001-SA	LDW-Y3-IN-S010-TB	7-NOV-20 19:11:46	ST110720Z1	ST110720Z2	BS
07NOV20Z	14	SB110720Z2	Solvent Blank	7-NOV-20 20:10:07	ST110720Z1	ST110720Z2	BS
07NOV20Z	15	ST110720Z2	CS209 200406A	7-NOV-20 21:08:28	ST110720Z1	ST110720Z2	BS

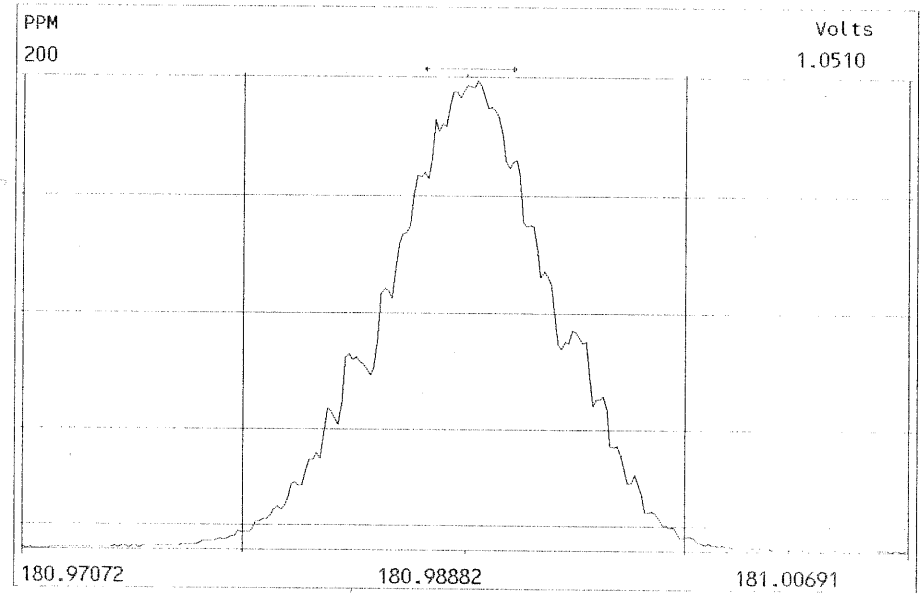
11/9/20

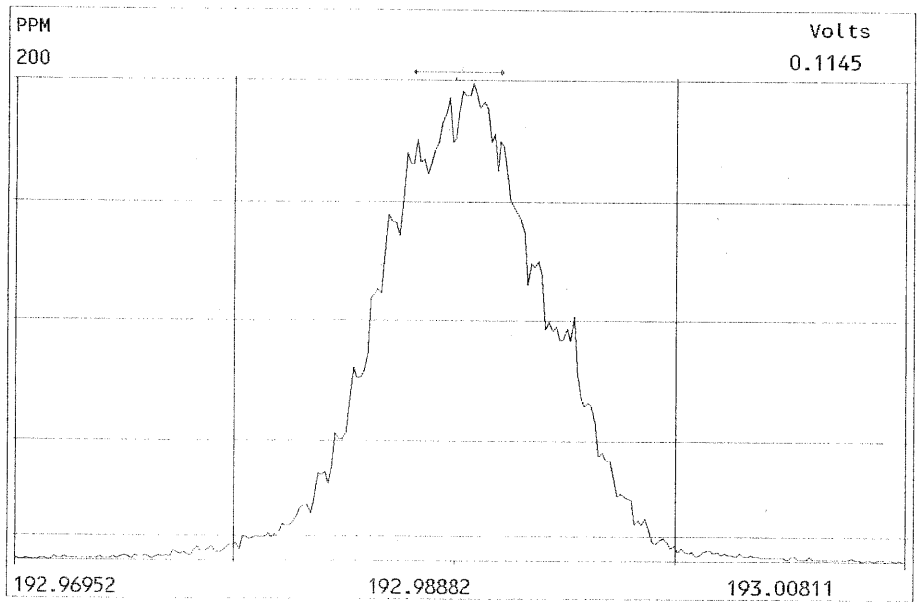
Data Backed Up:_____

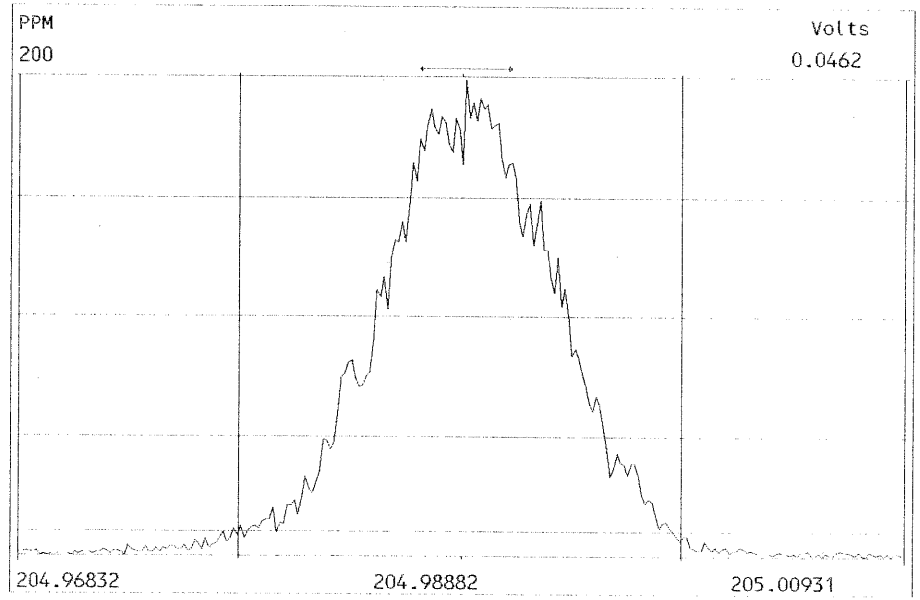
Date:_____

Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

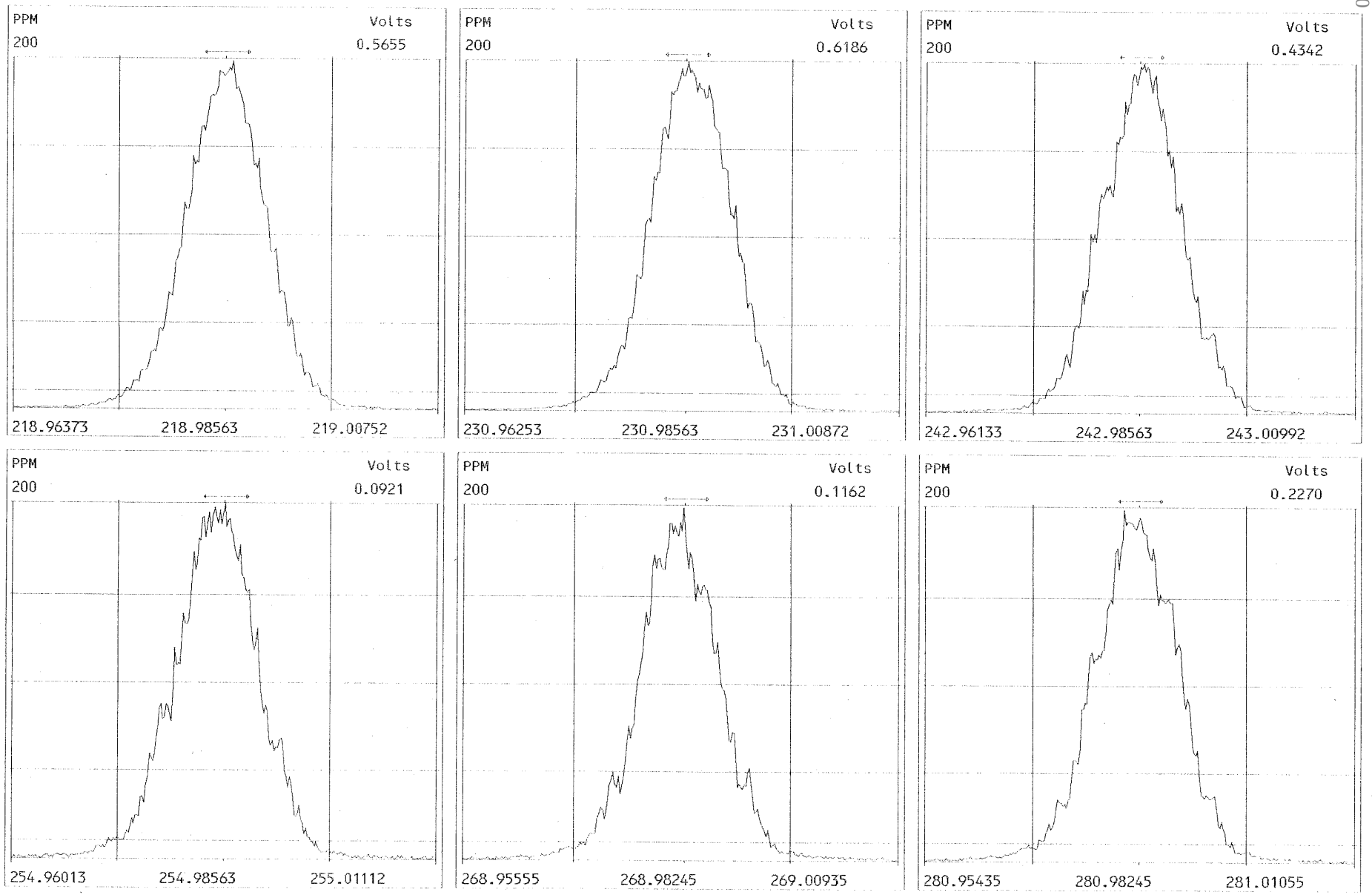








Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:2 Reference:PFK



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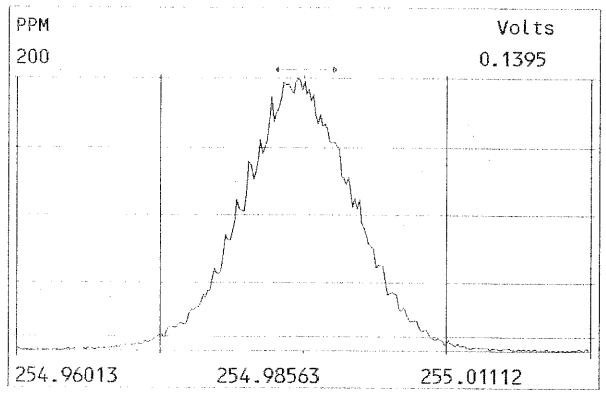
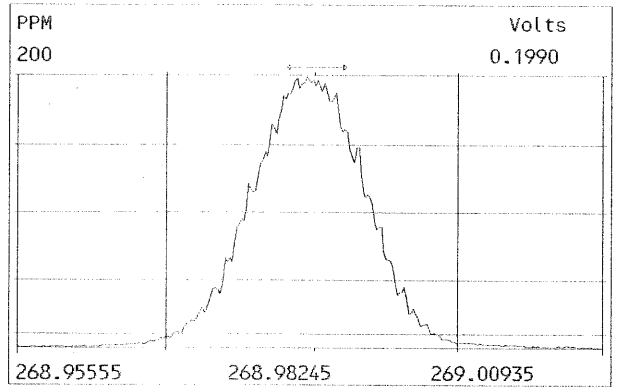
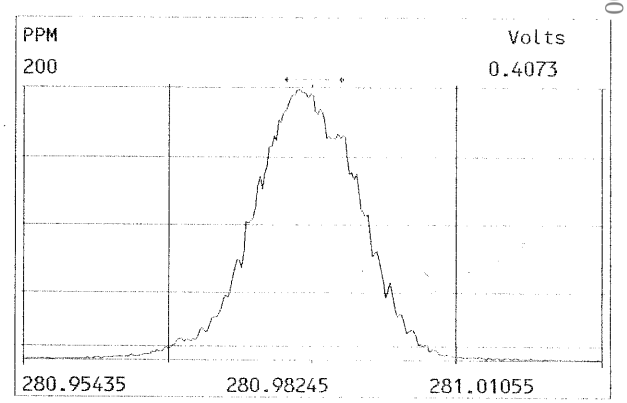
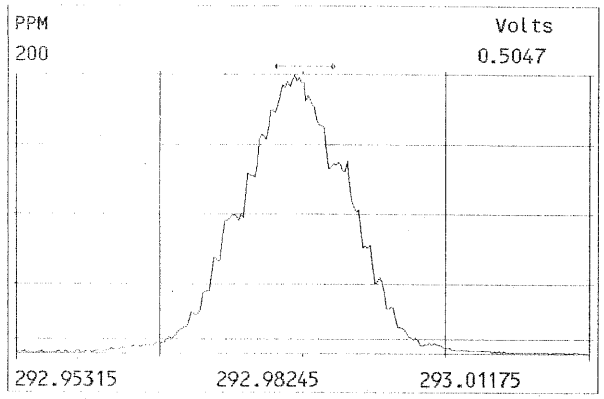
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z

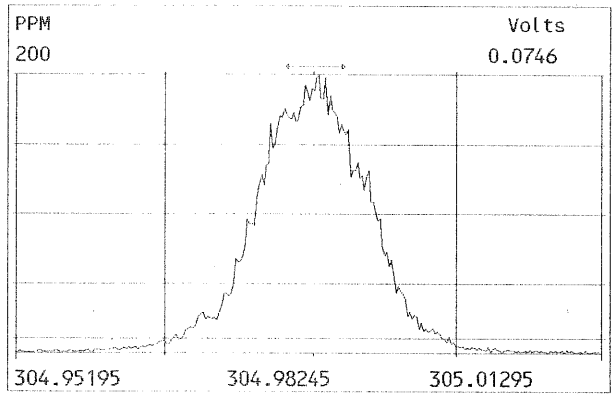
Experiment:1668PCB Function:3 Reference:PFK

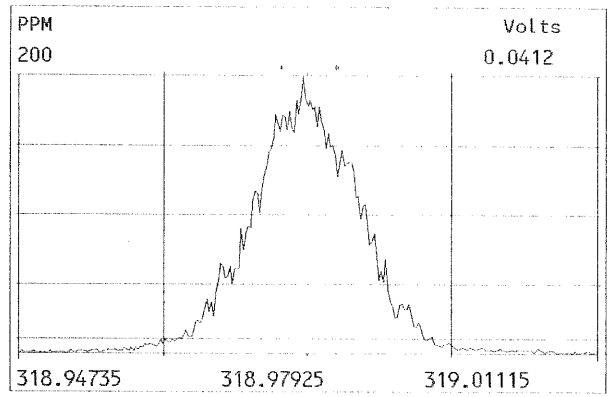


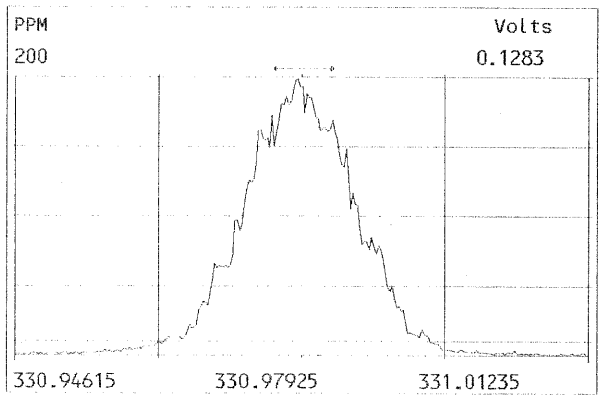


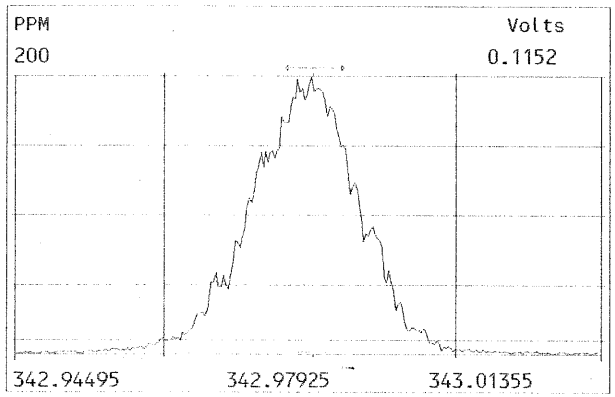












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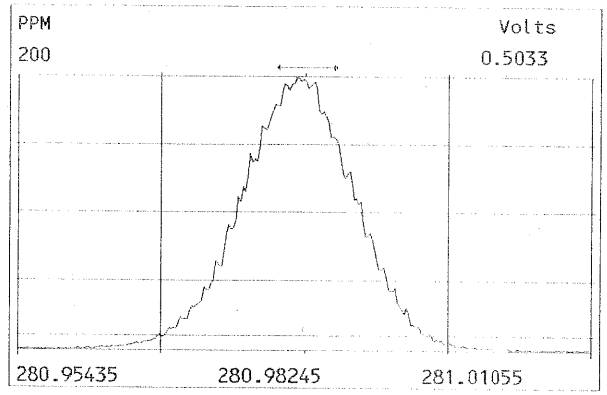
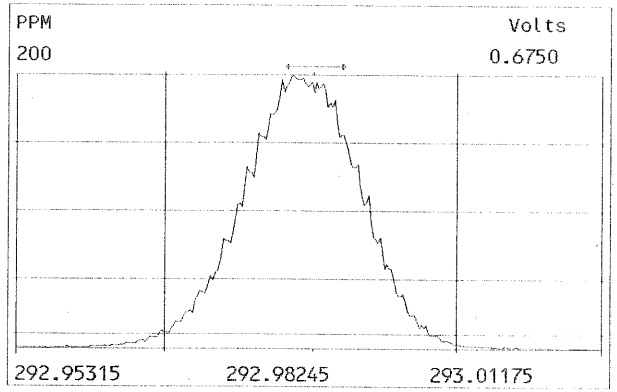
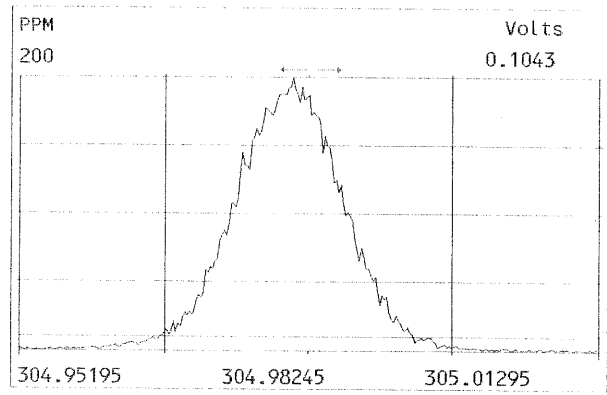
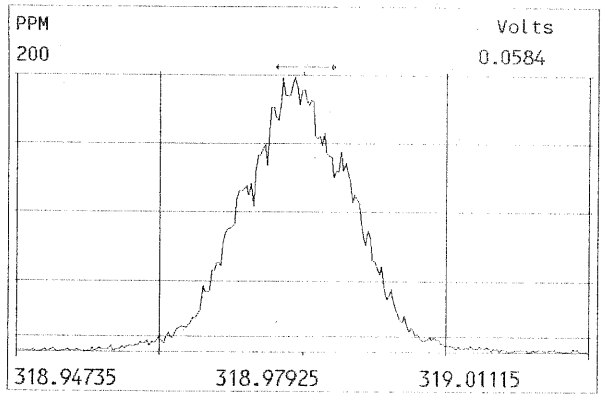
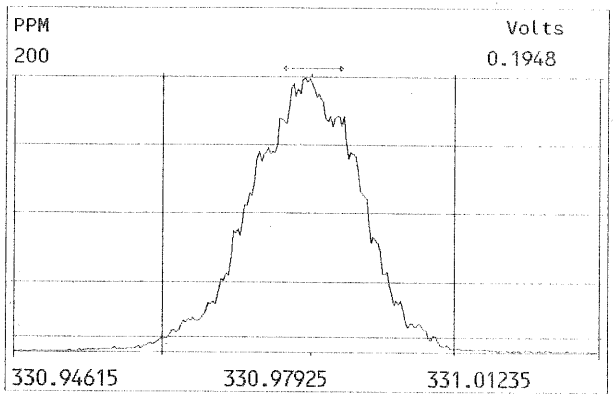
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

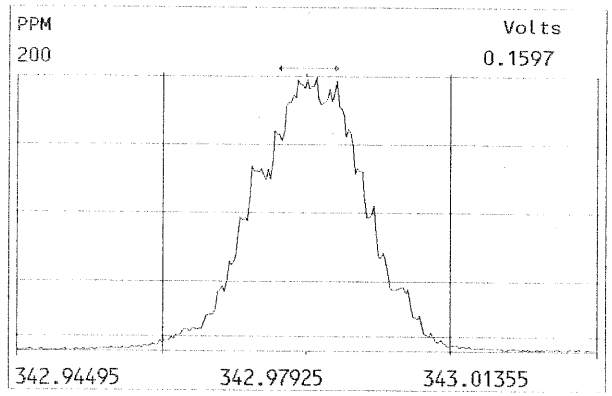


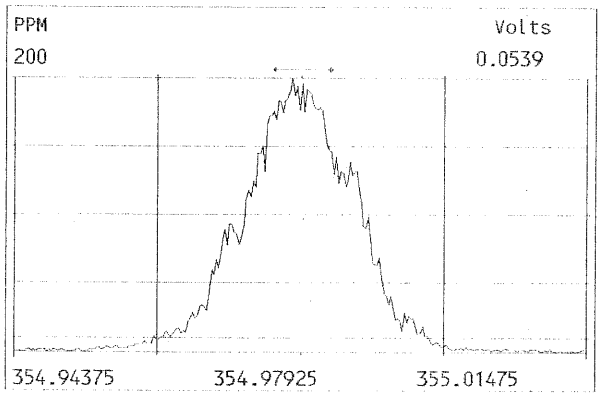


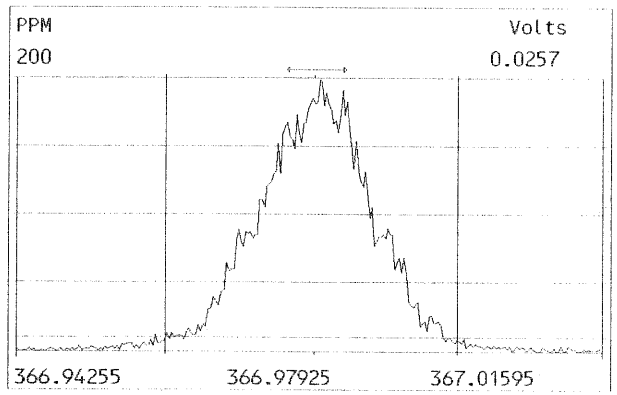


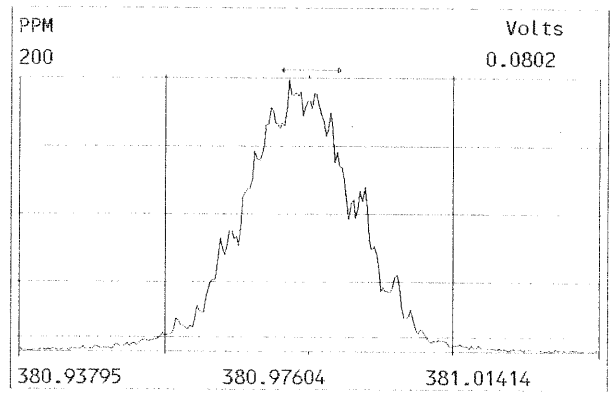








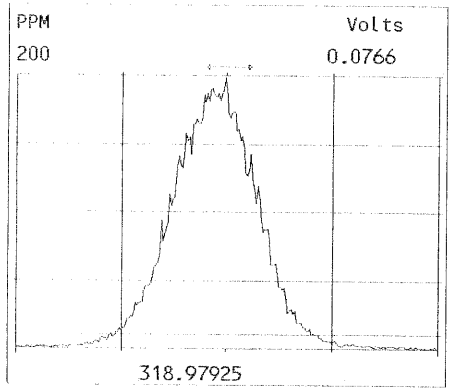


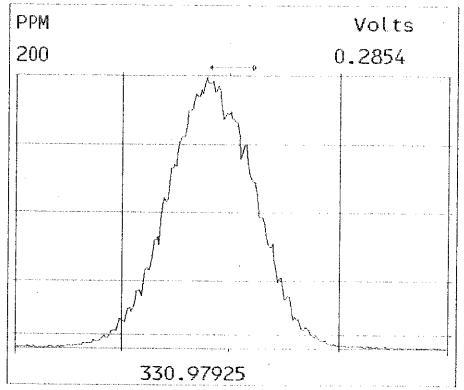


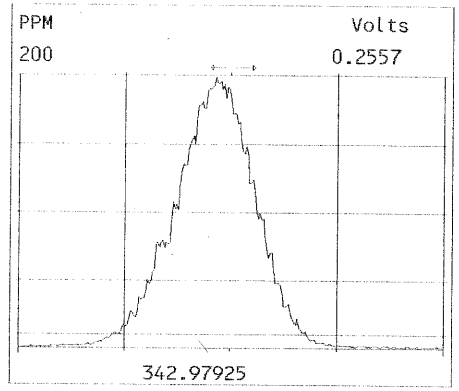
000290

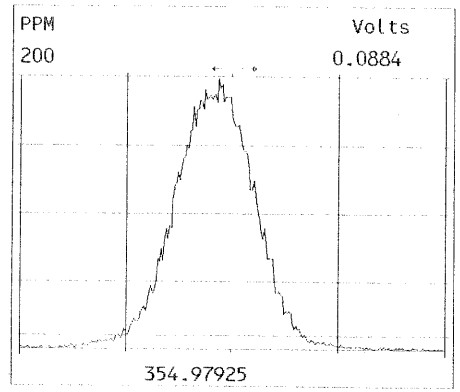
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z

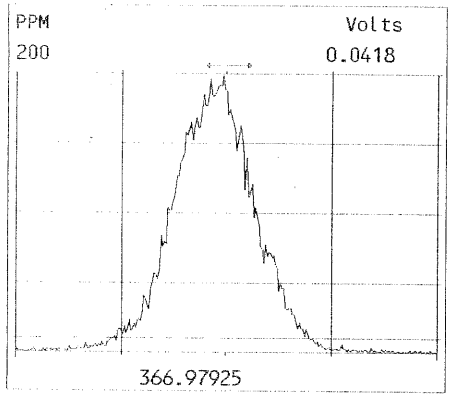
Experiment:1668PCB Function:5 Reference:PFK

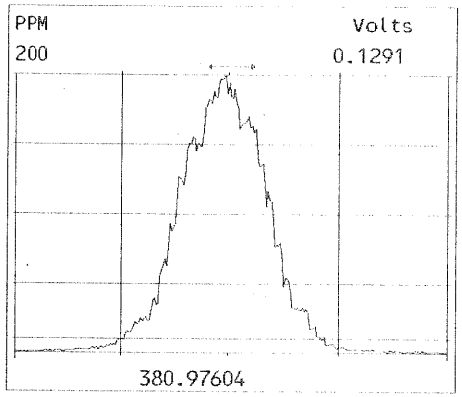


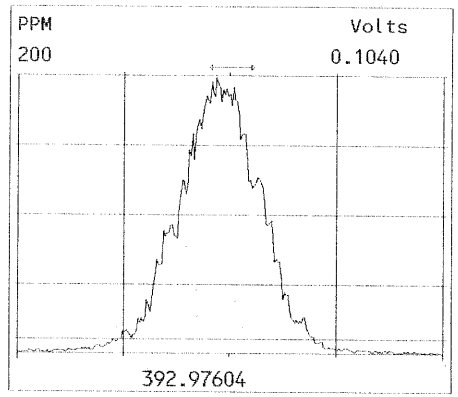


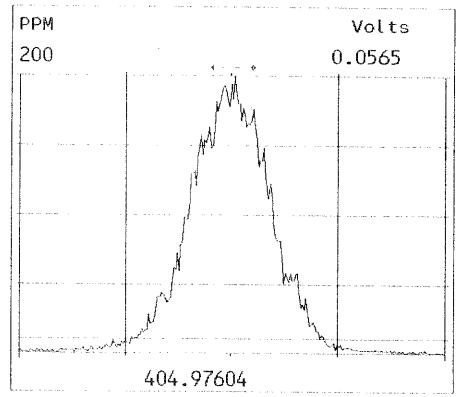


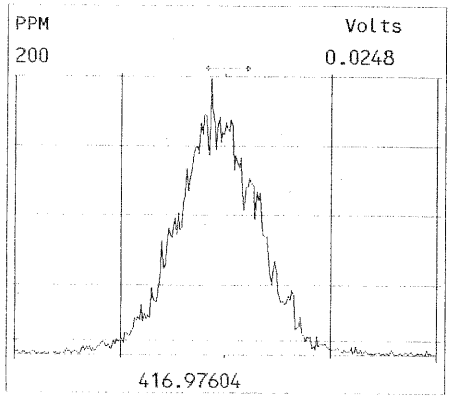


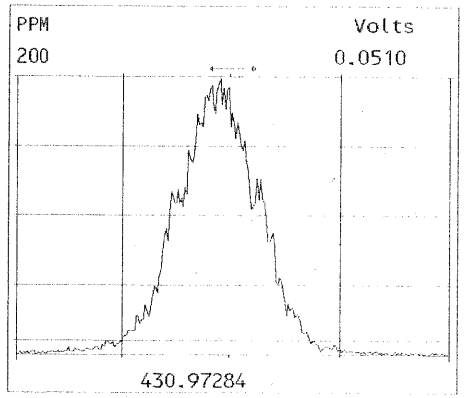


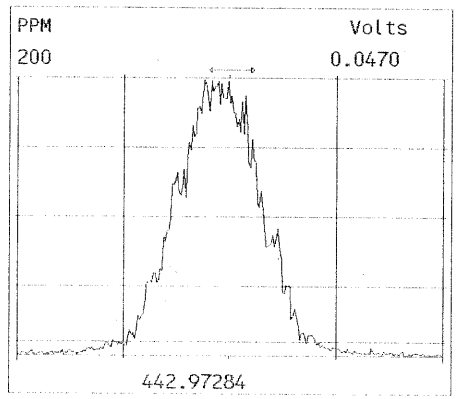








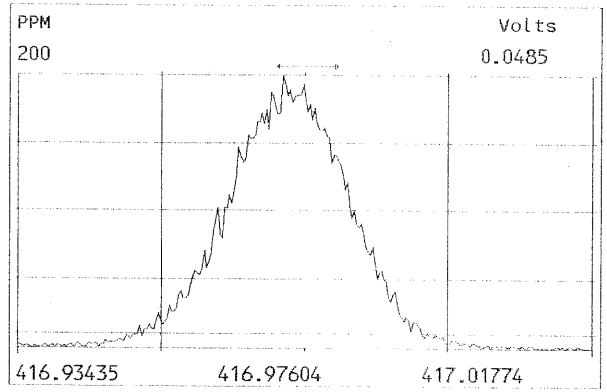


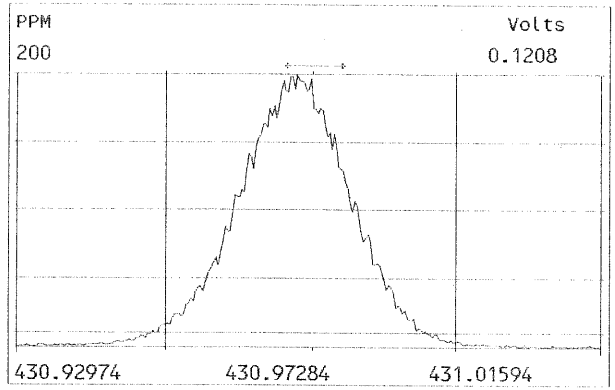


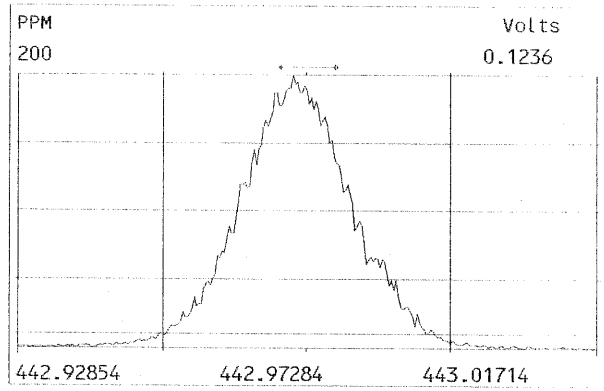
000291

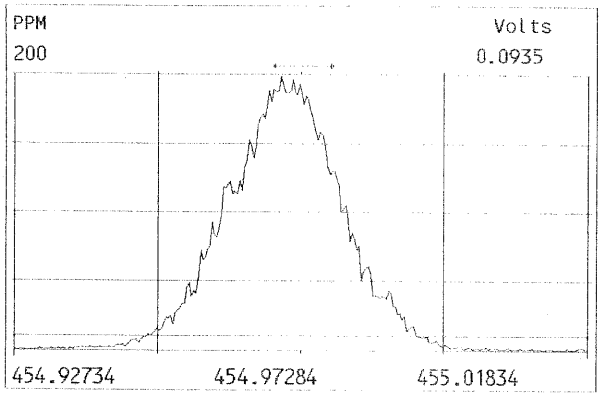
Peak Locate Examination: 7-NOV-2020:07:31 File:07NOV20Z

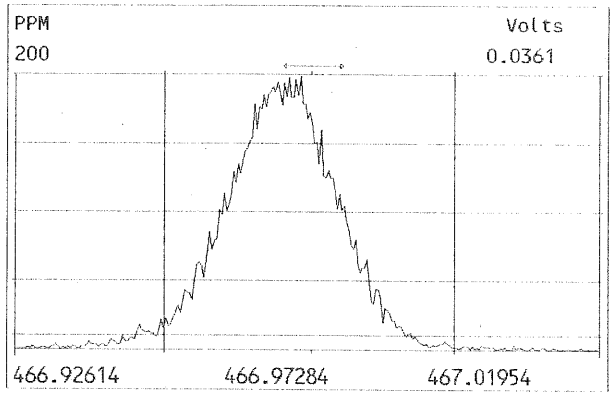
Experiment:1668PCB Function:6 Reference:PFK

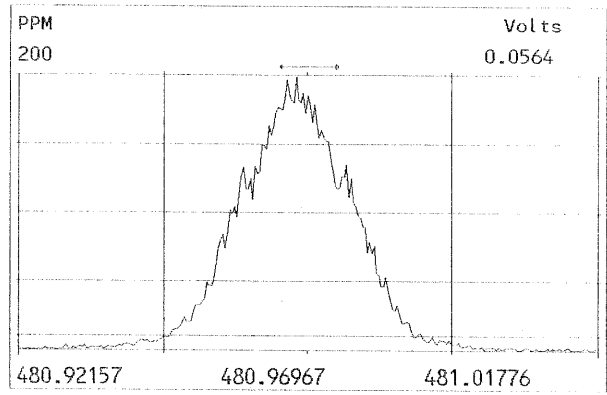


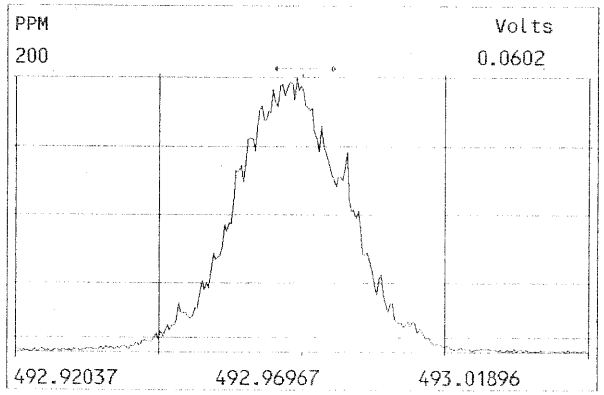


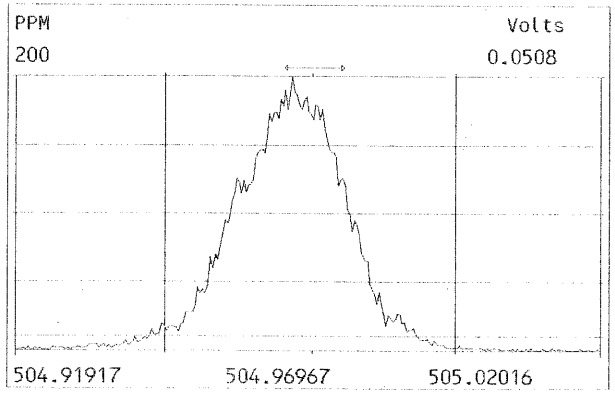


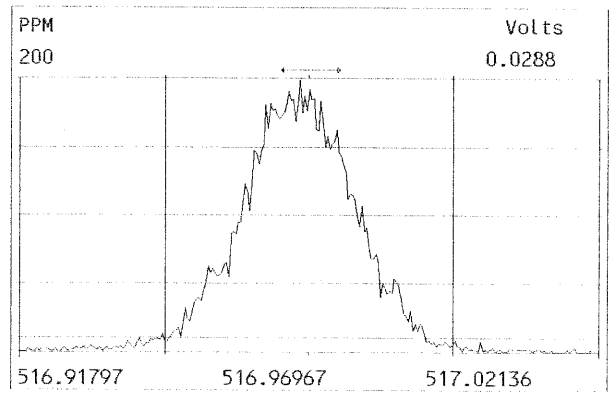




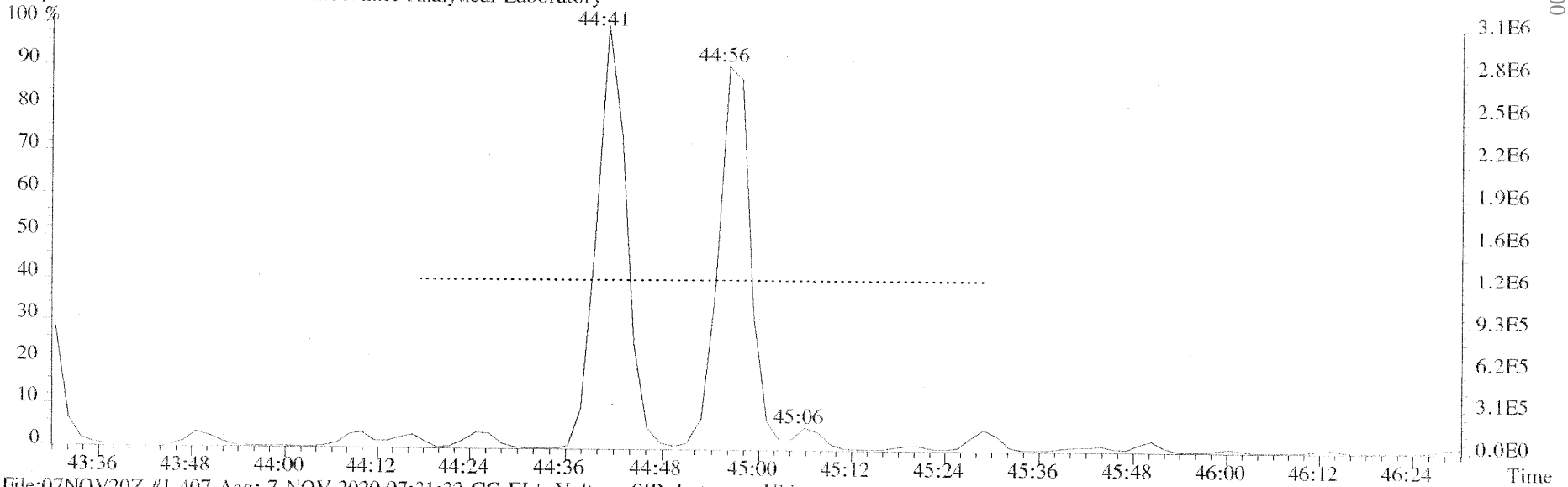




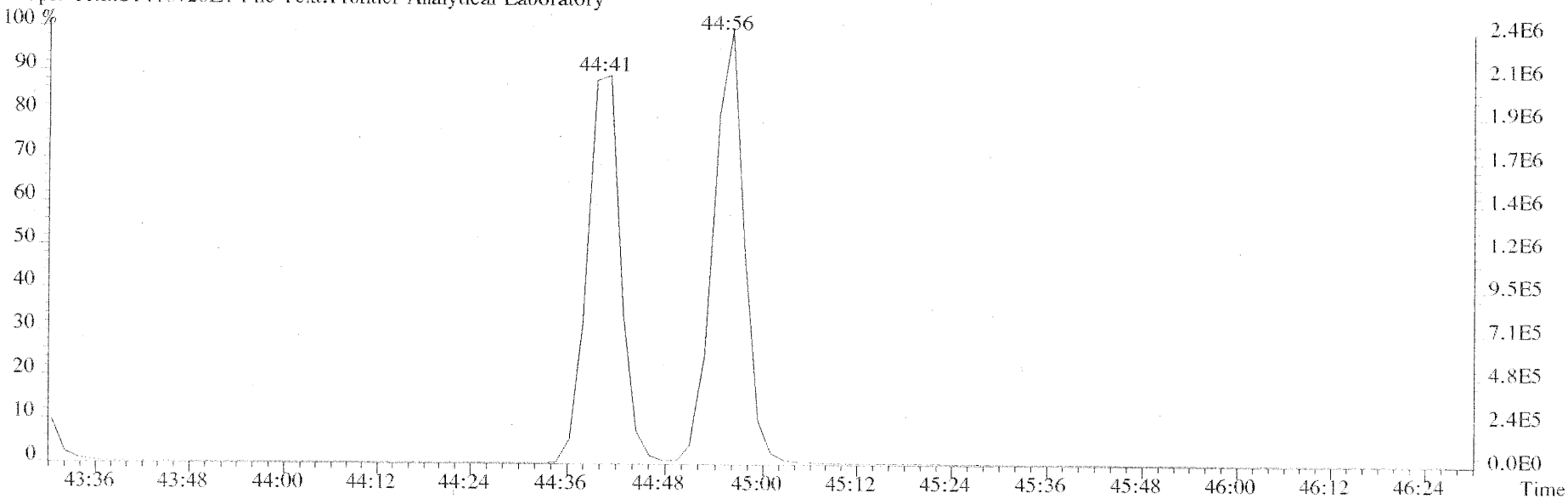




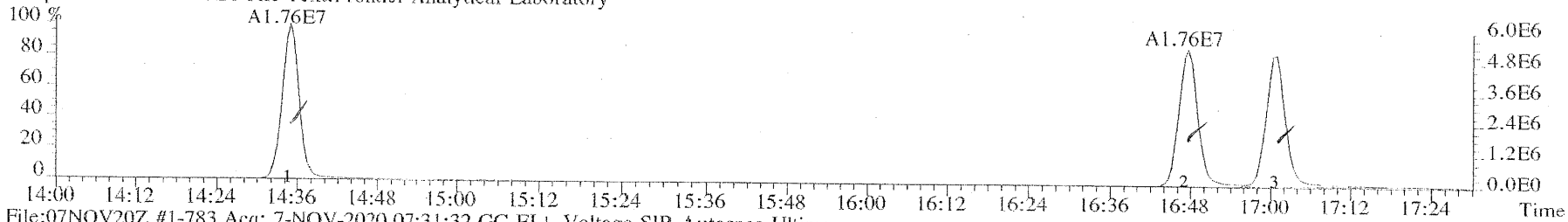
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



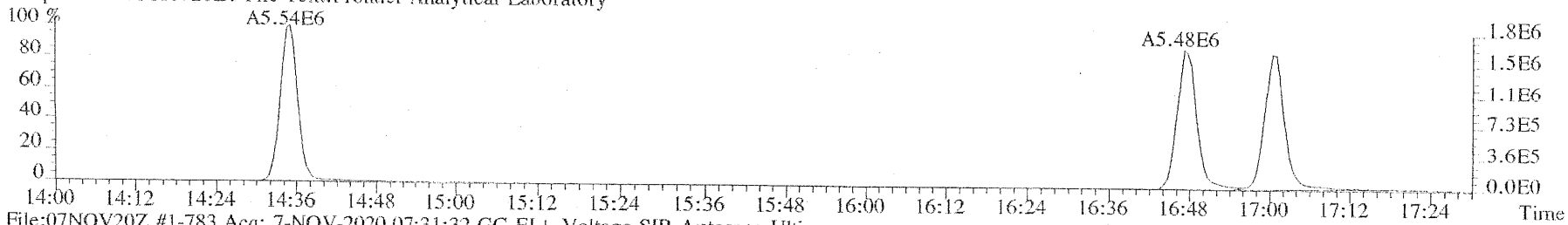
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



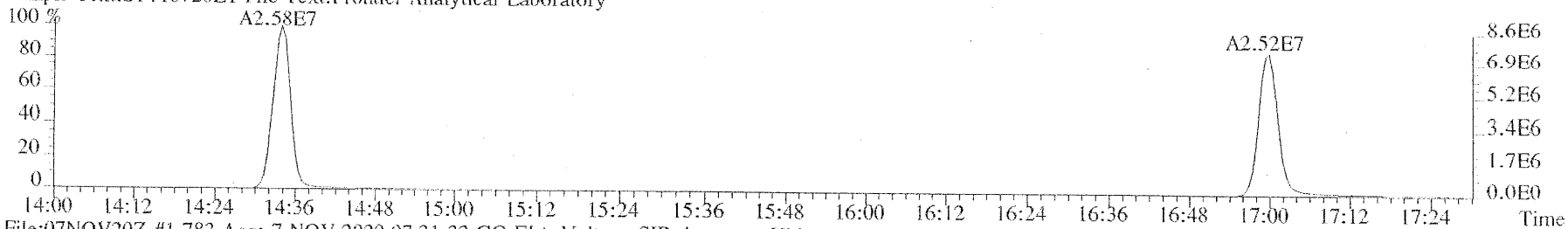
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



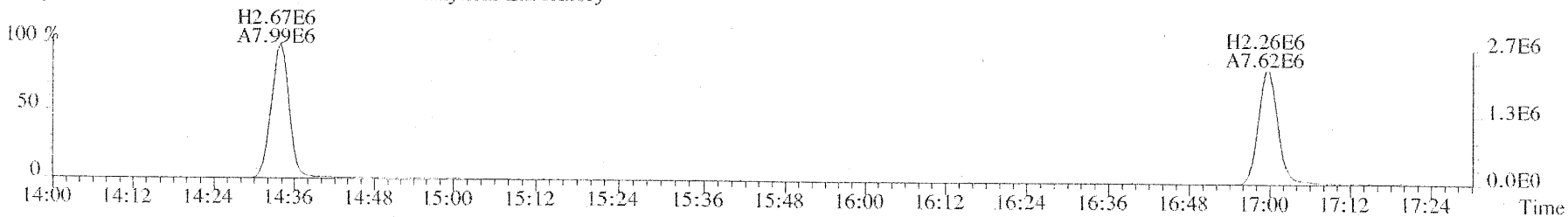
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



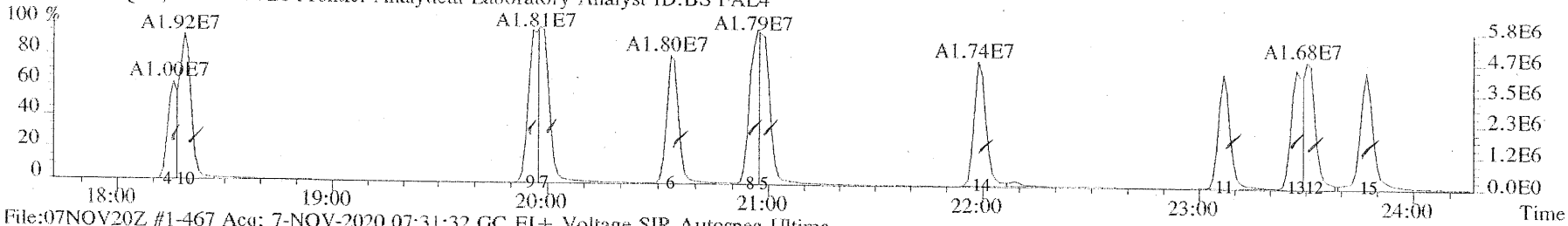
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



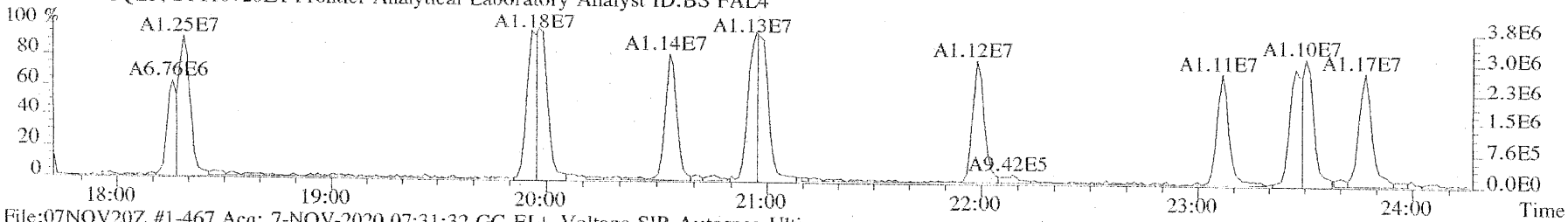
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



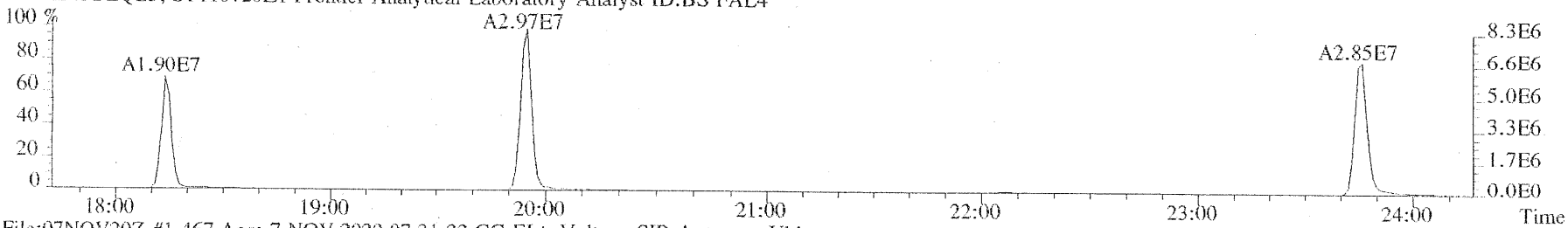
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



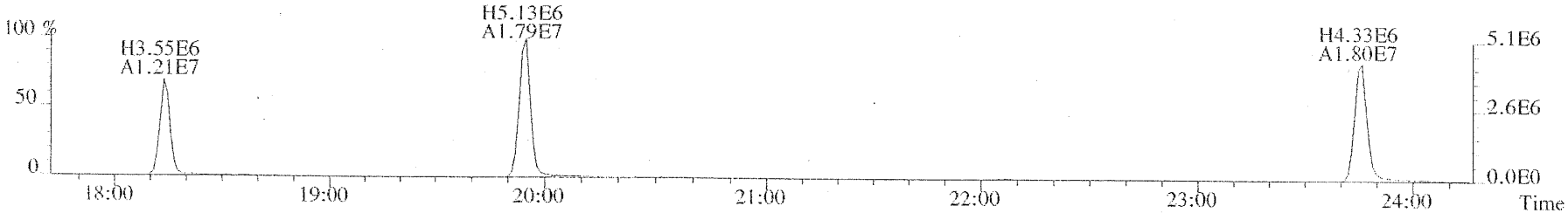
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4

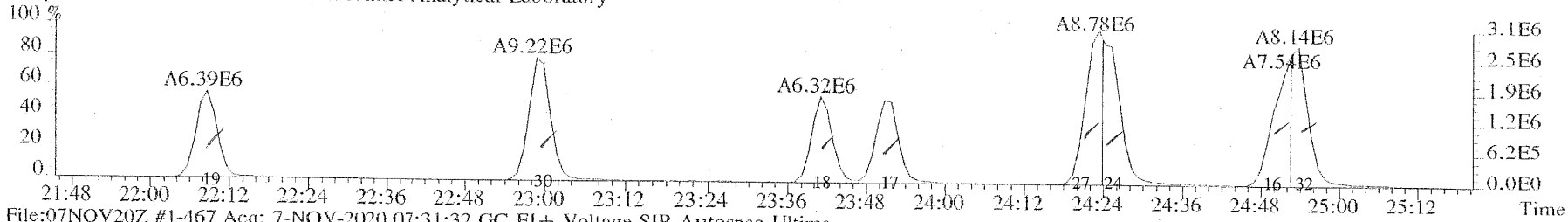


File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4

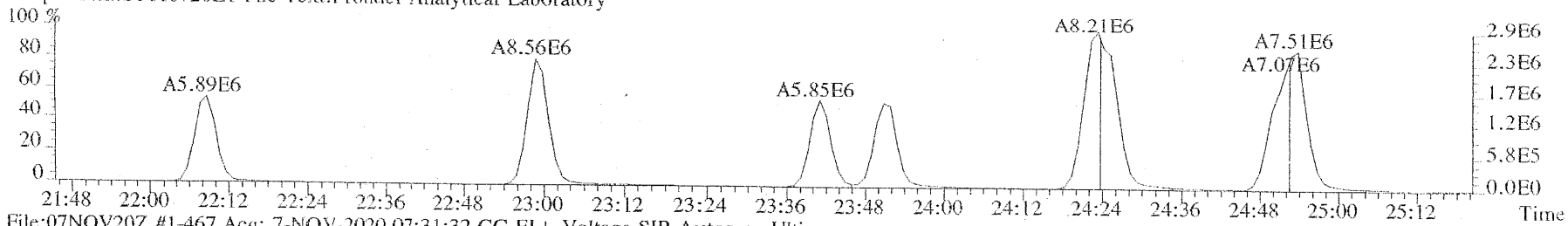


000295

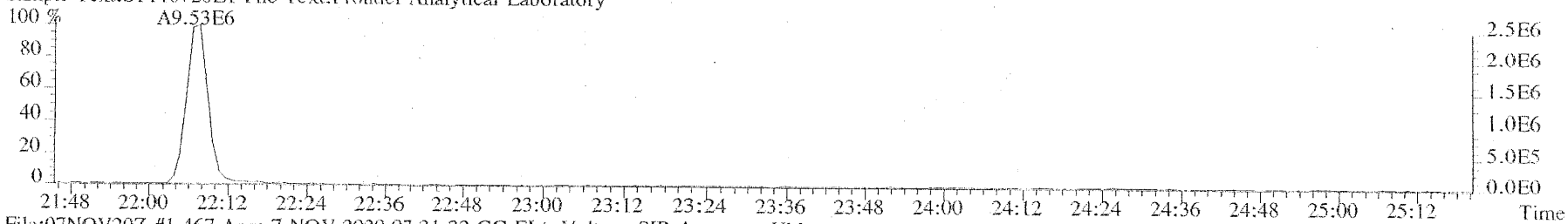
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



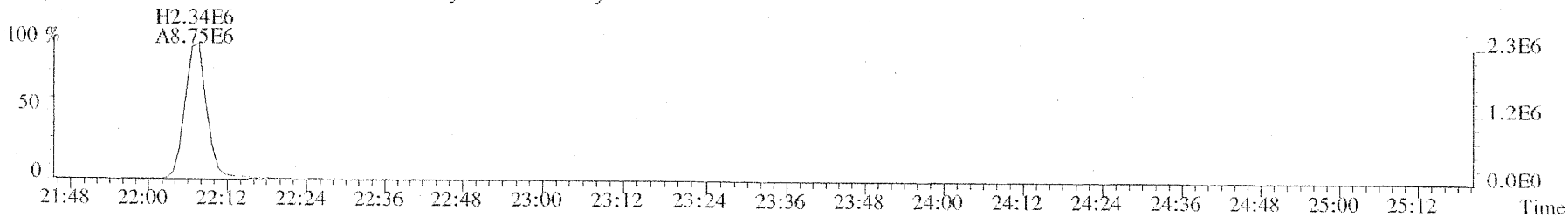
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



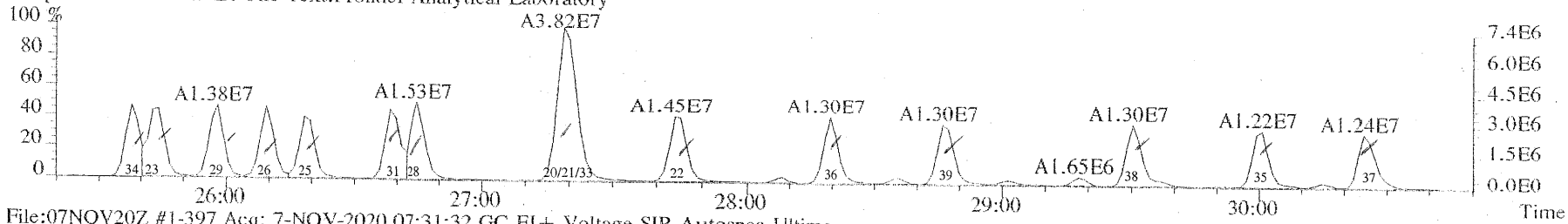
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



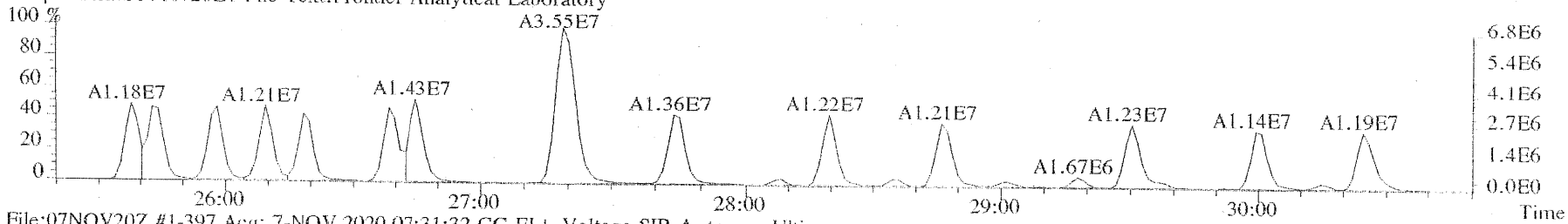
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



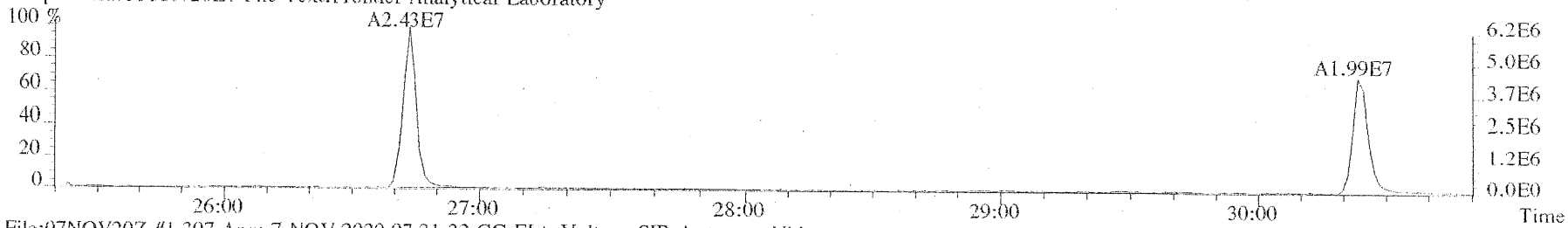
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



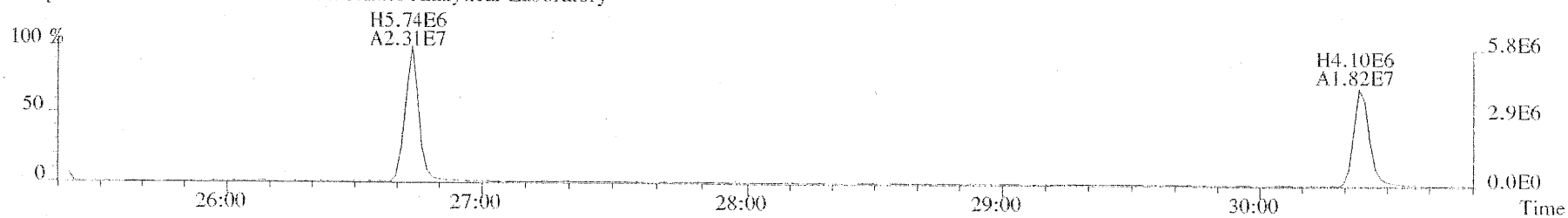
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



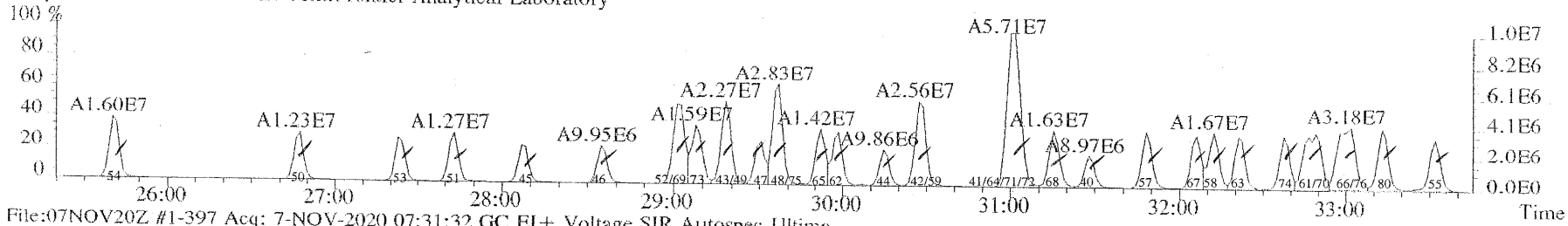
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



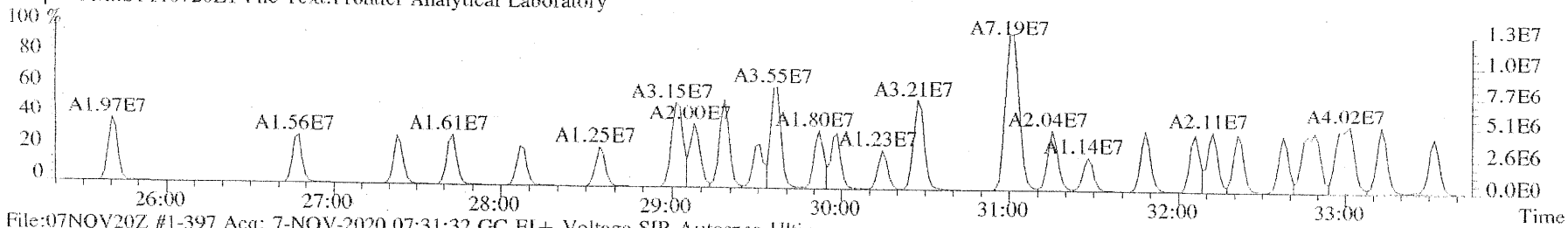
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



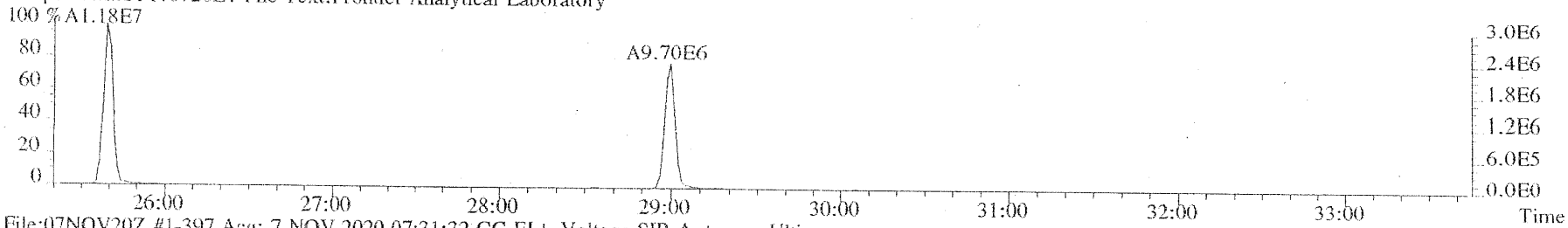
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



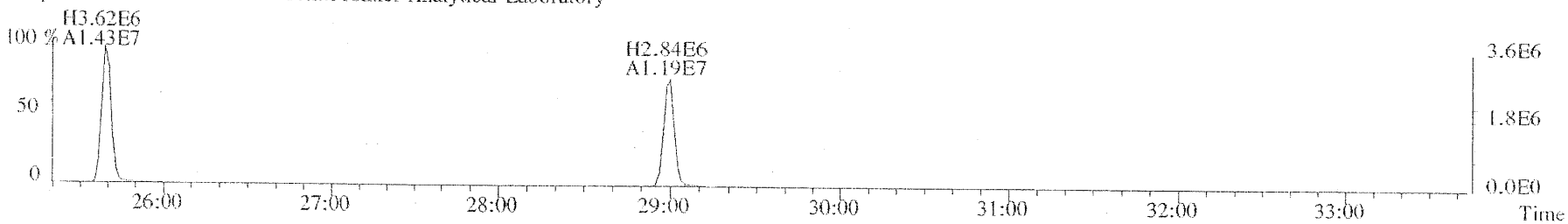
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

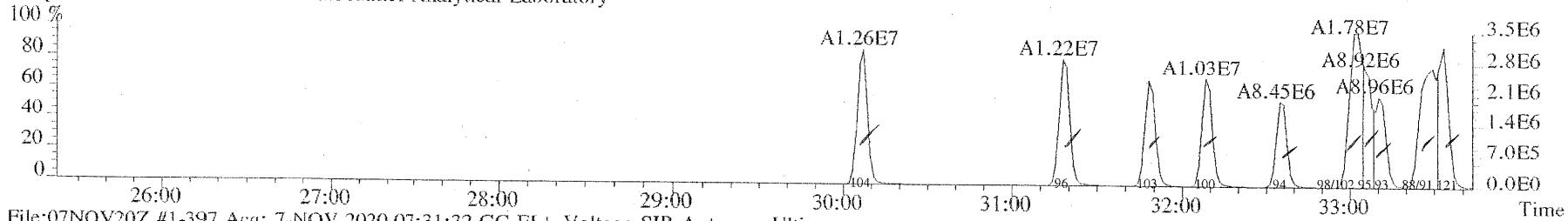


File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

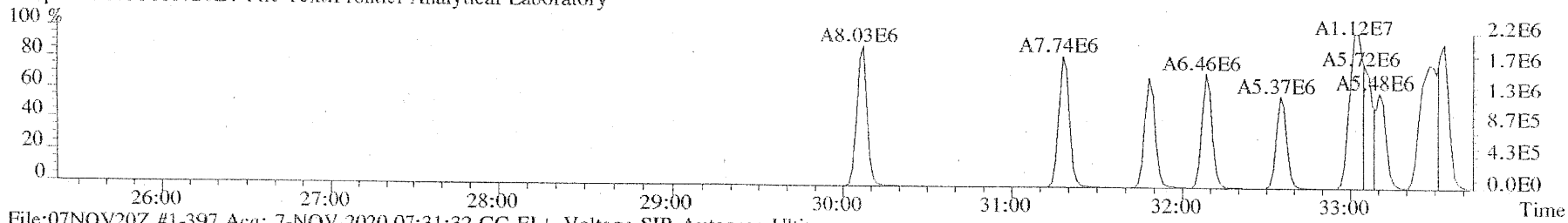


000298

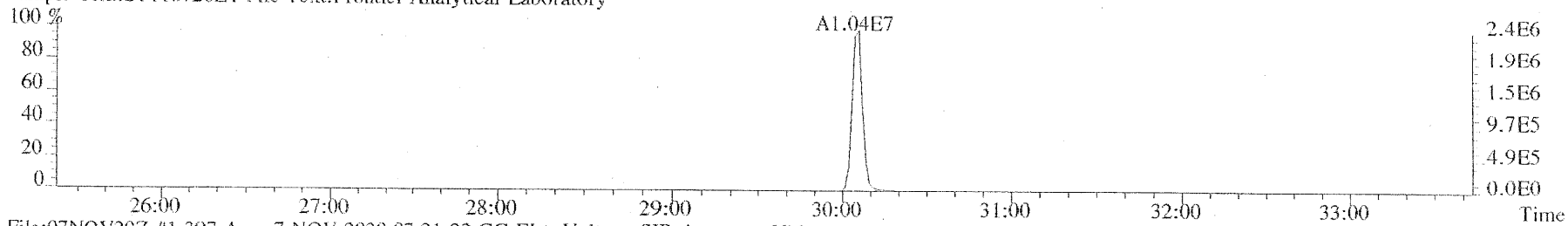
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



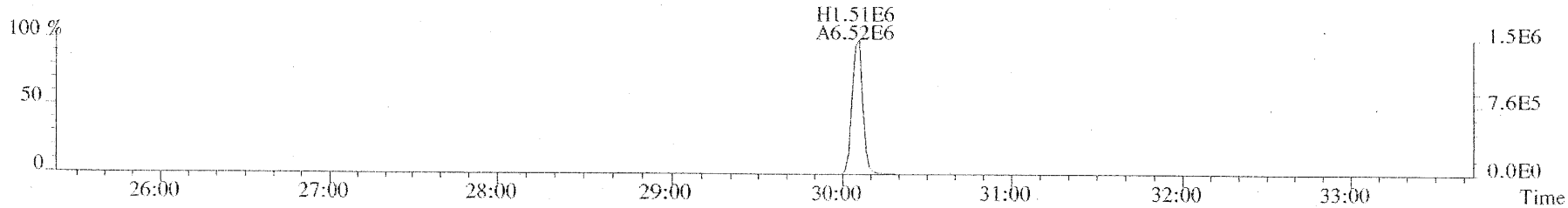
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

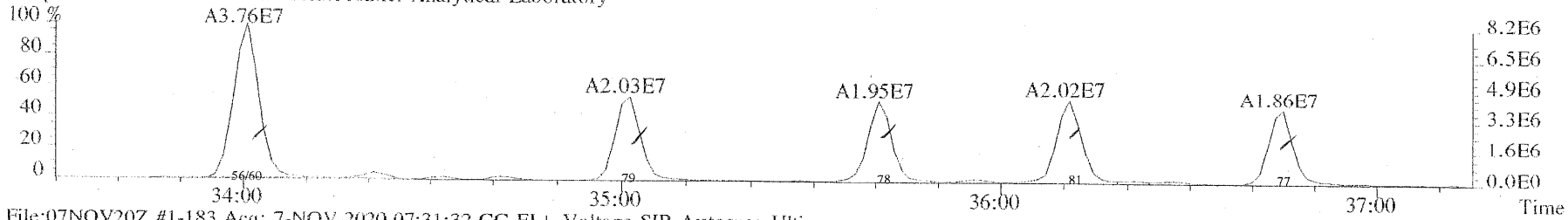


File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

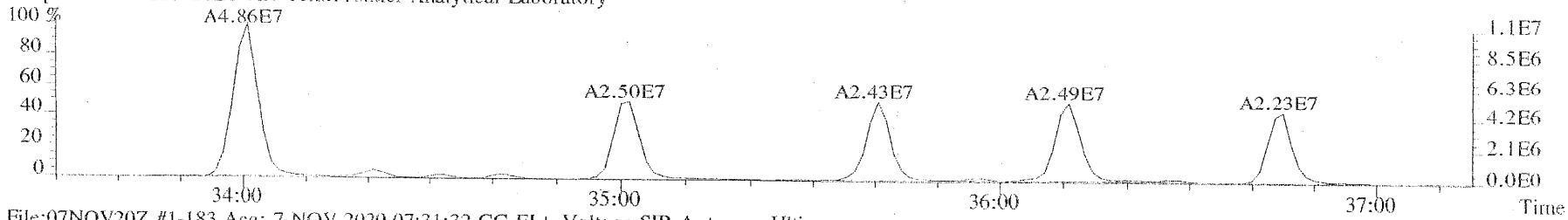


000299

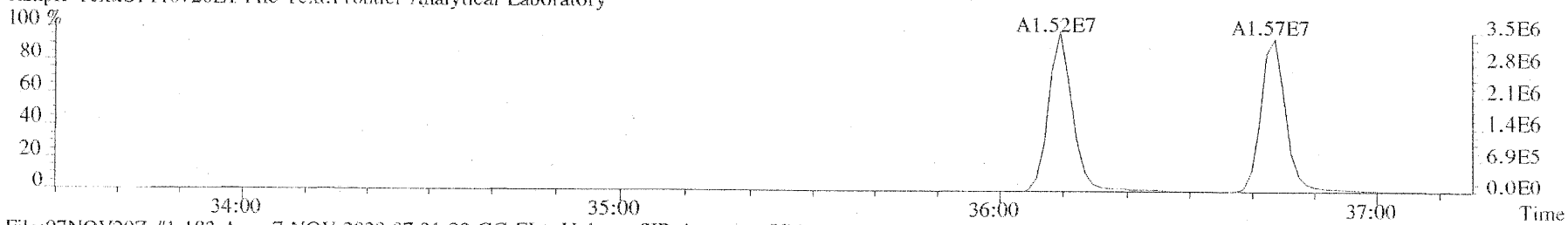
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



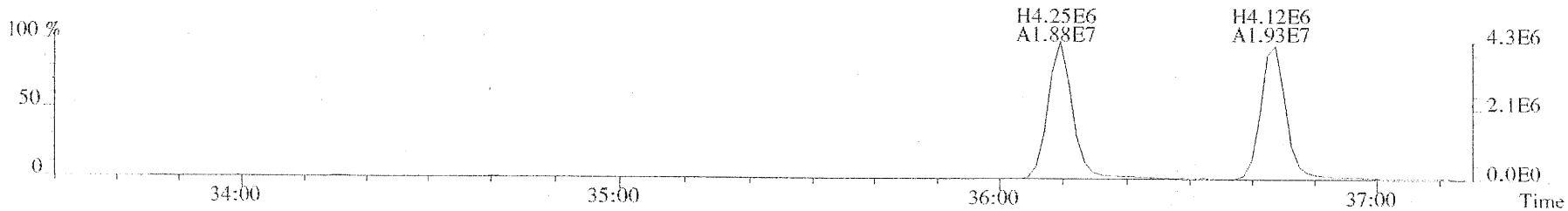
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



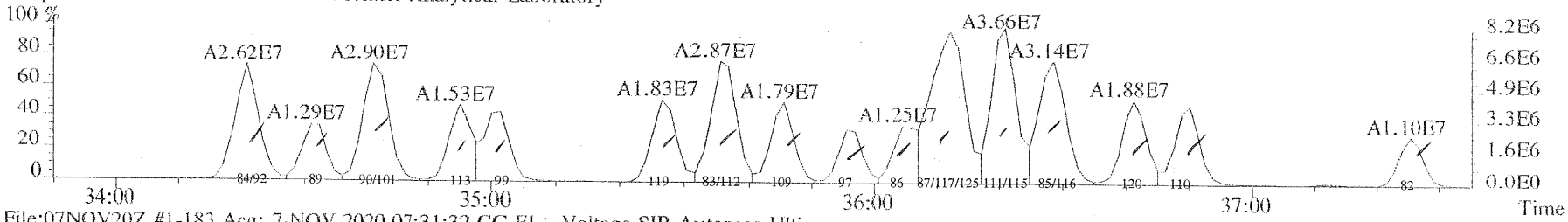
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



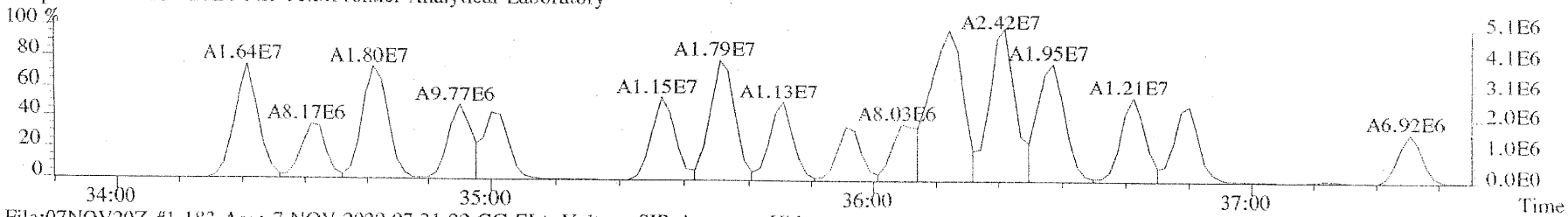
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



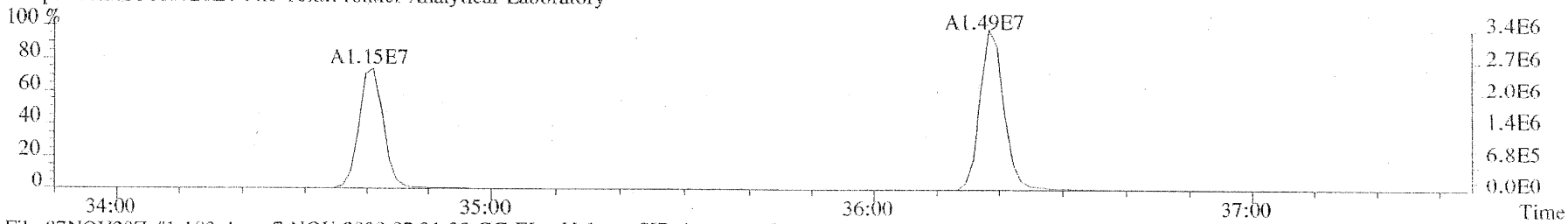
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



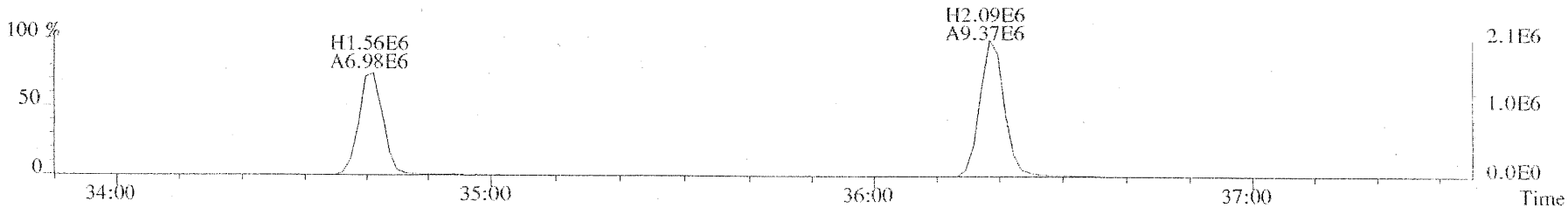
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



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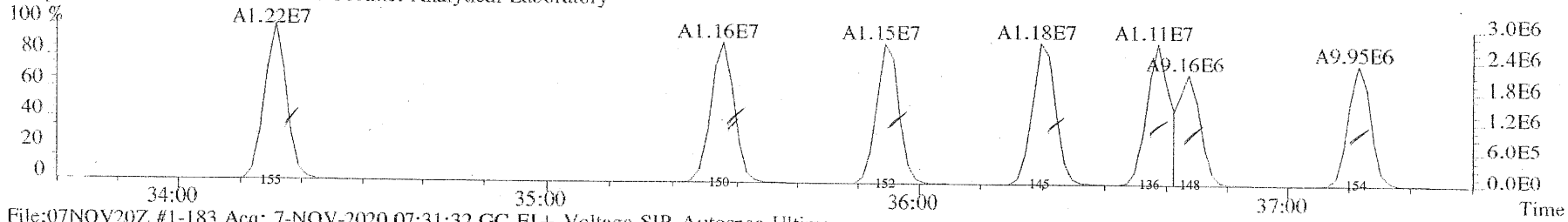
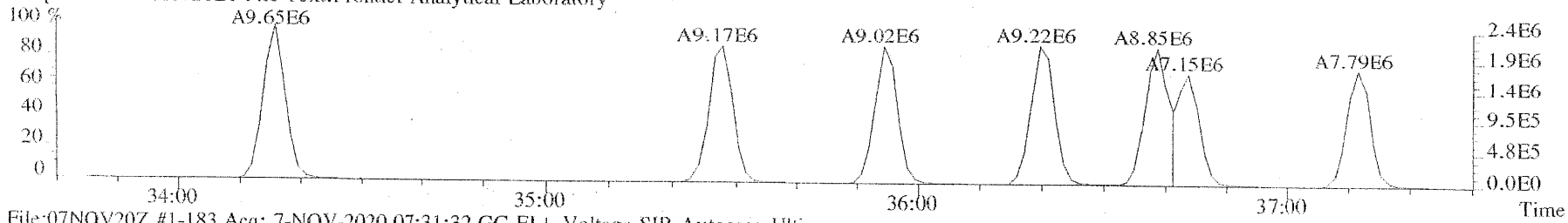
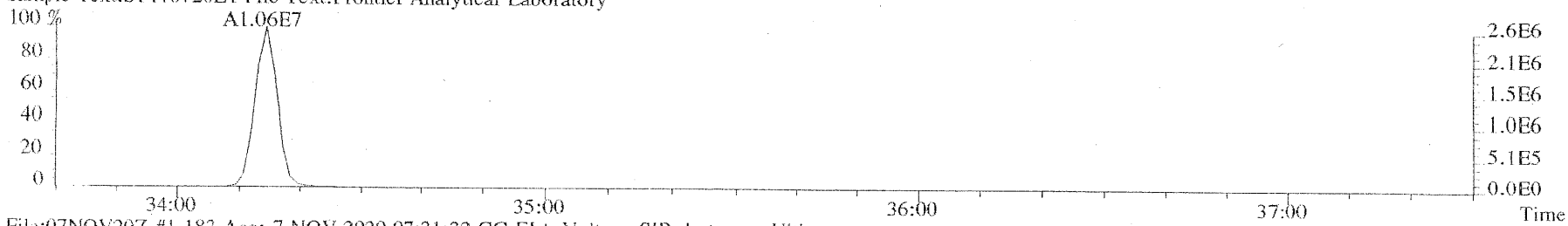
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



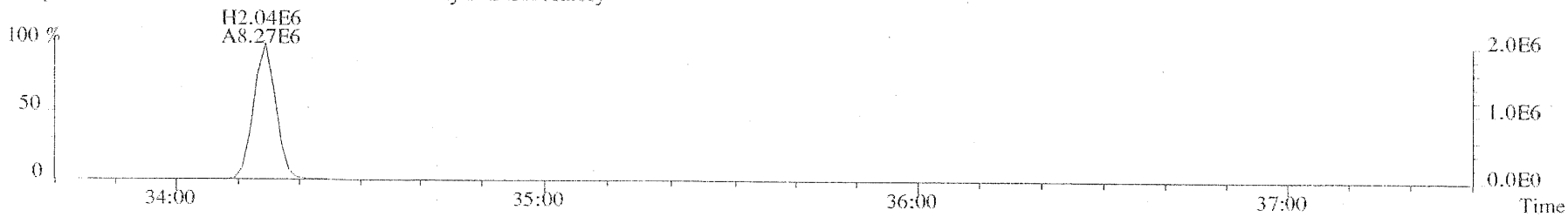
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



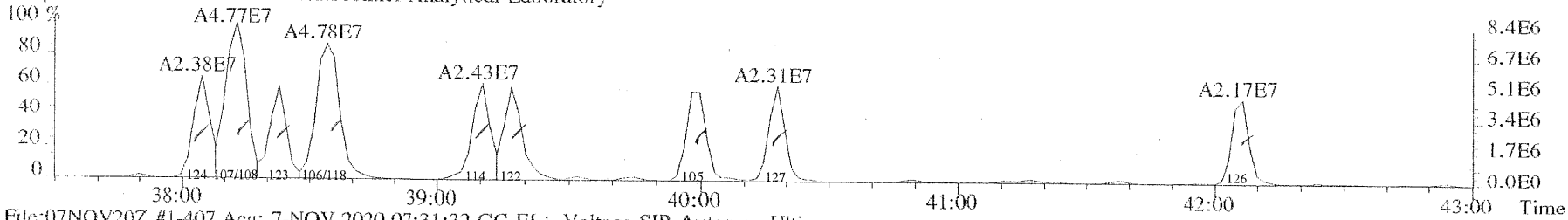
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



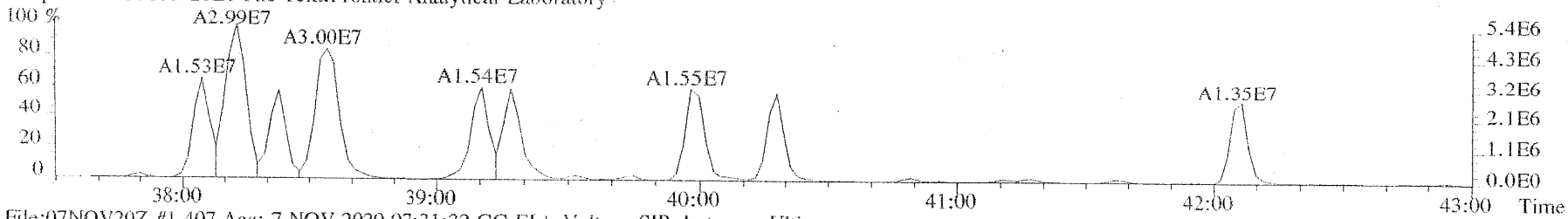
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



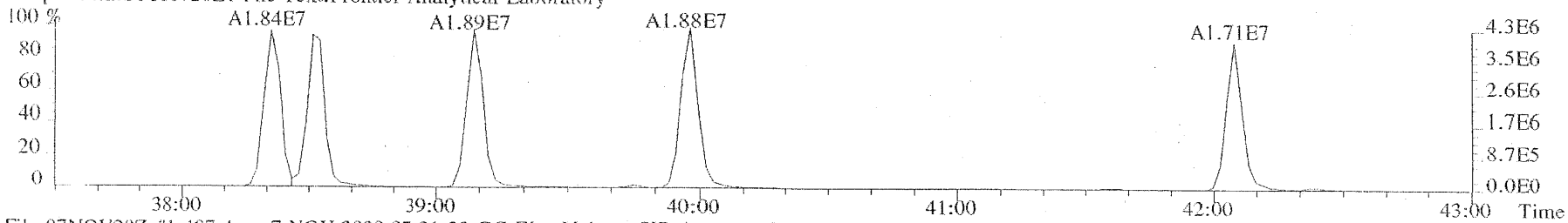
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



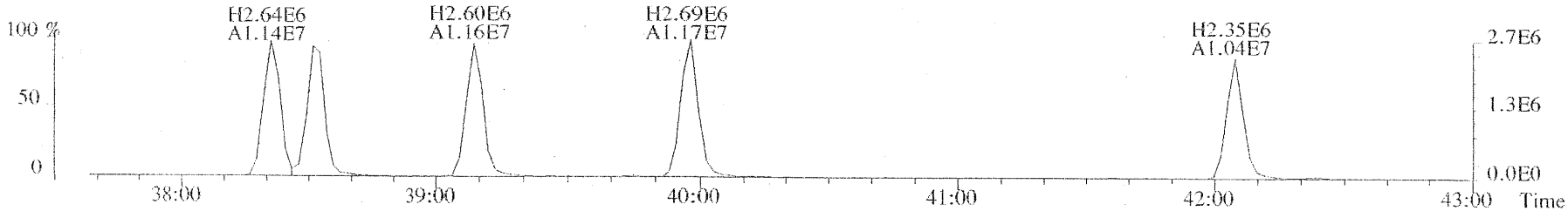
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



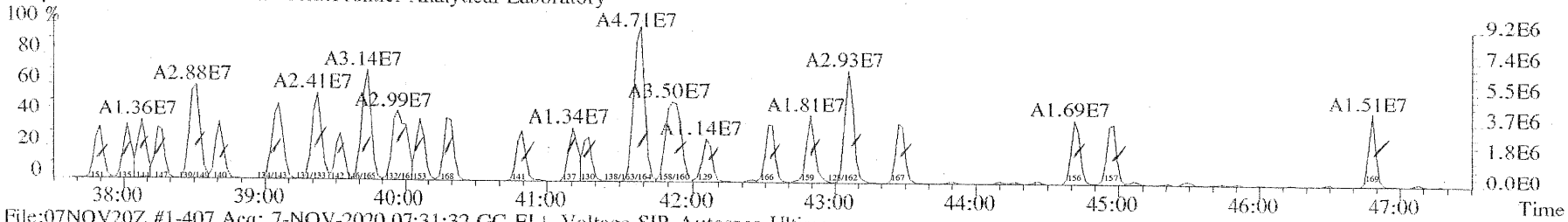
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



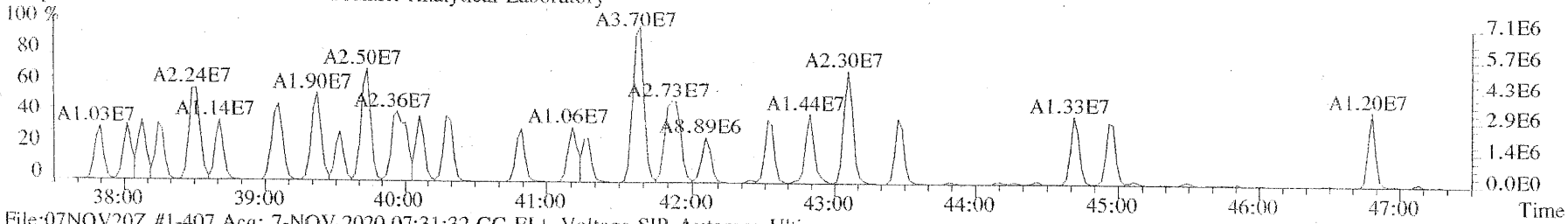
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



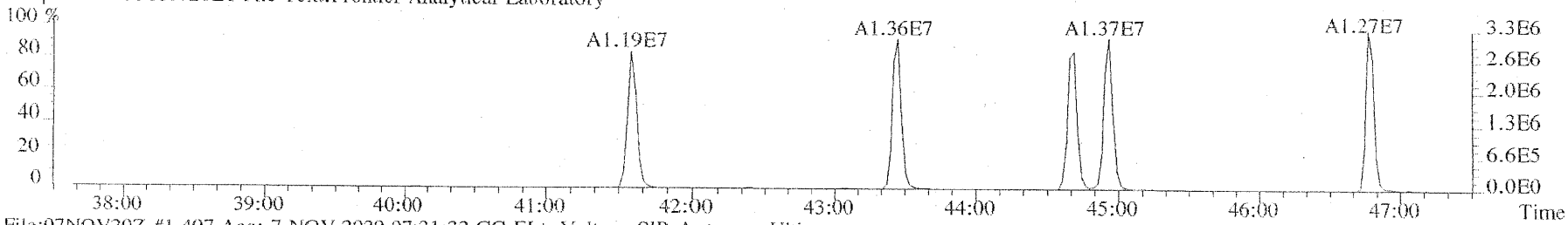
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



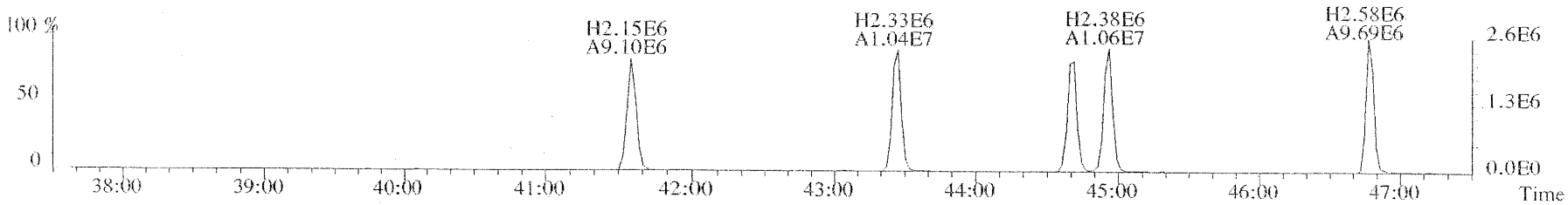
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



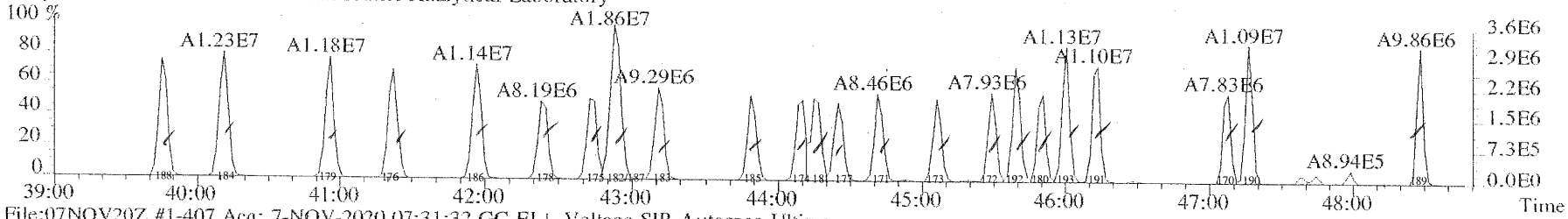
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



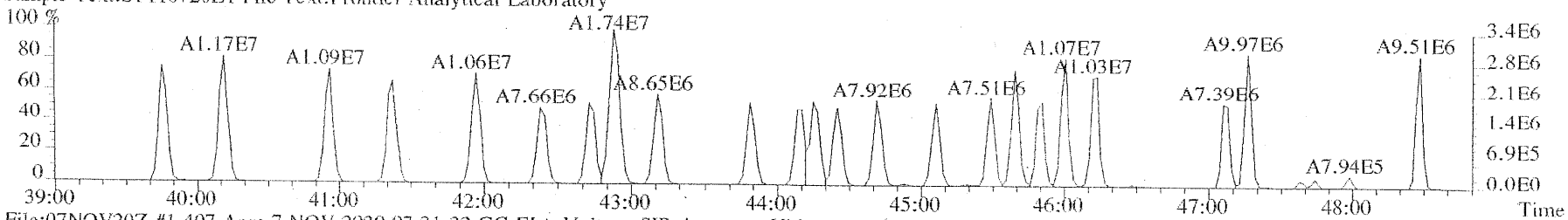
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



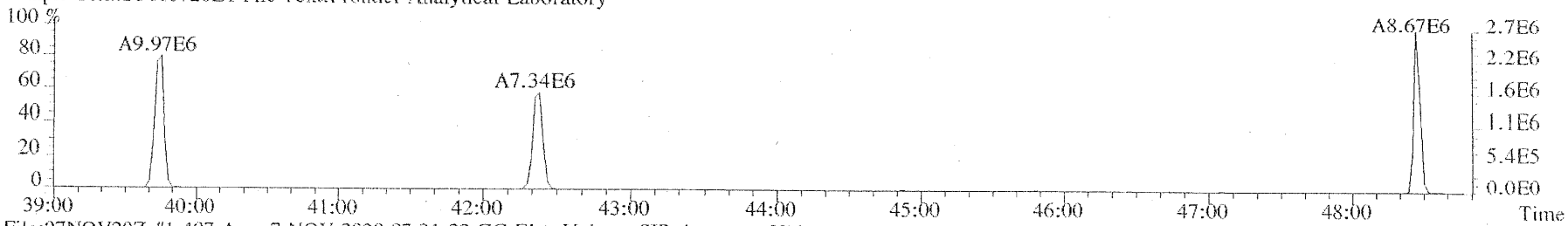
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



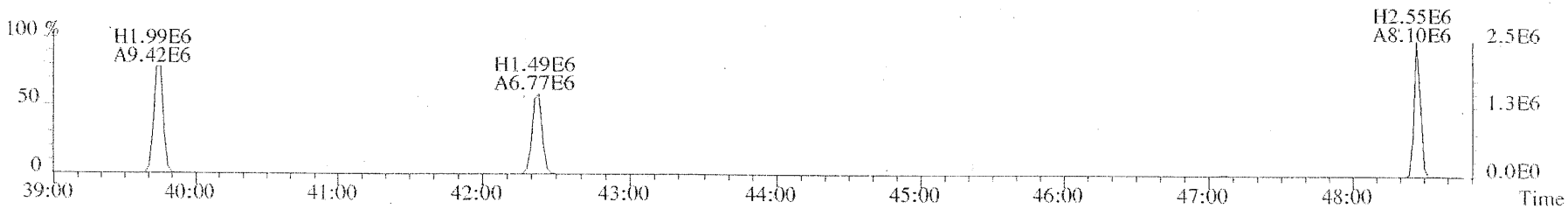
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



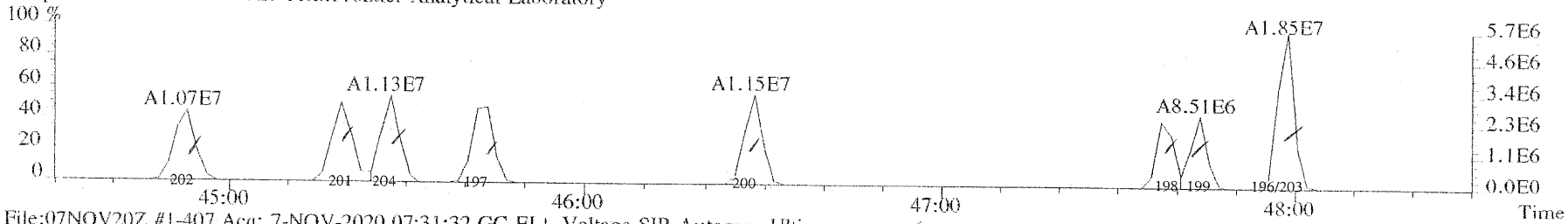
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



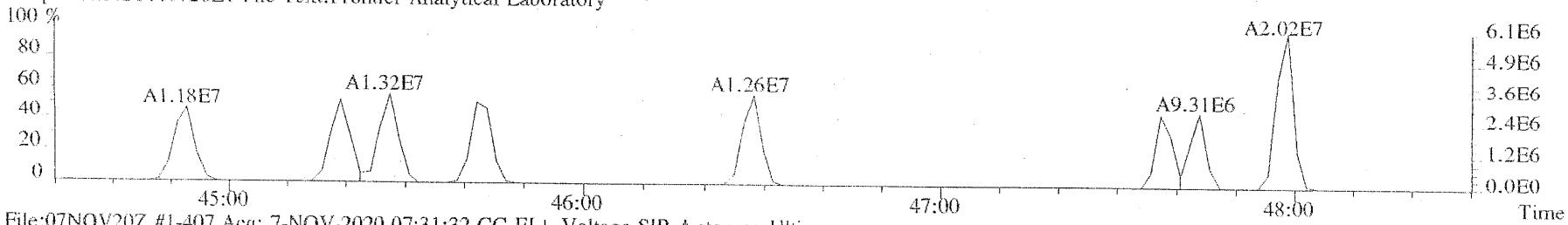
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



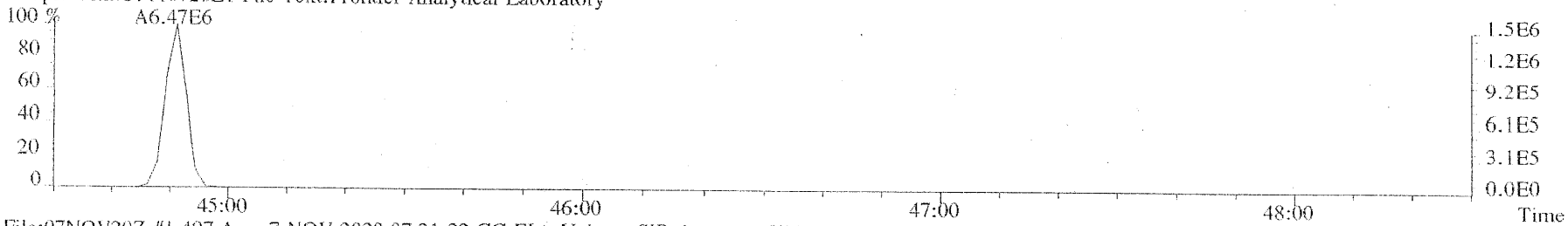
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



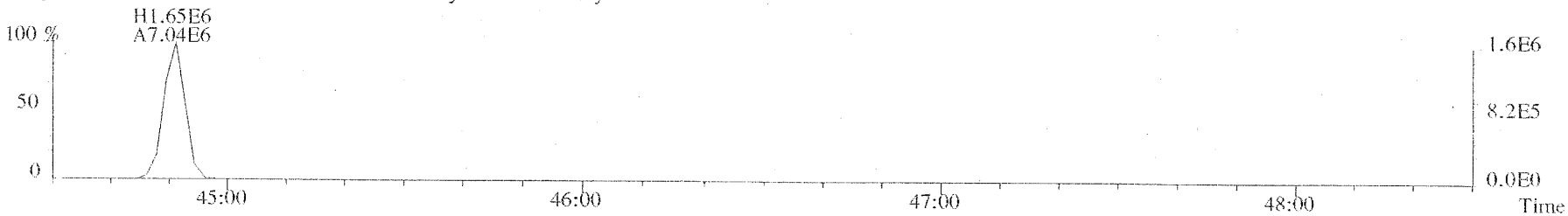
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



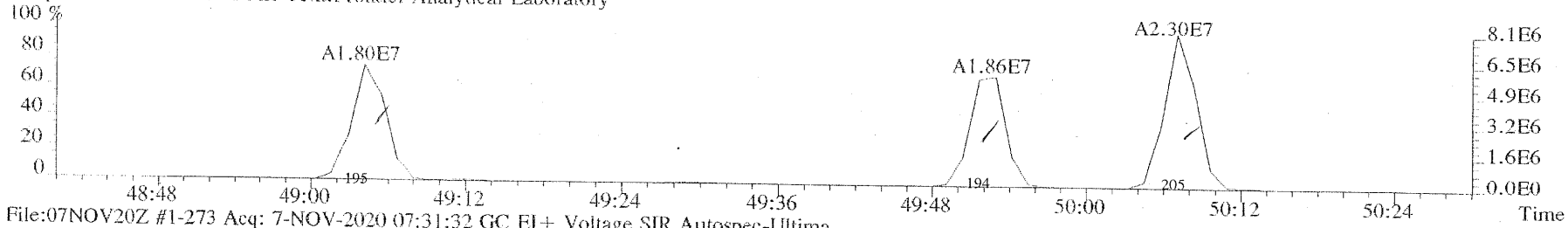
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



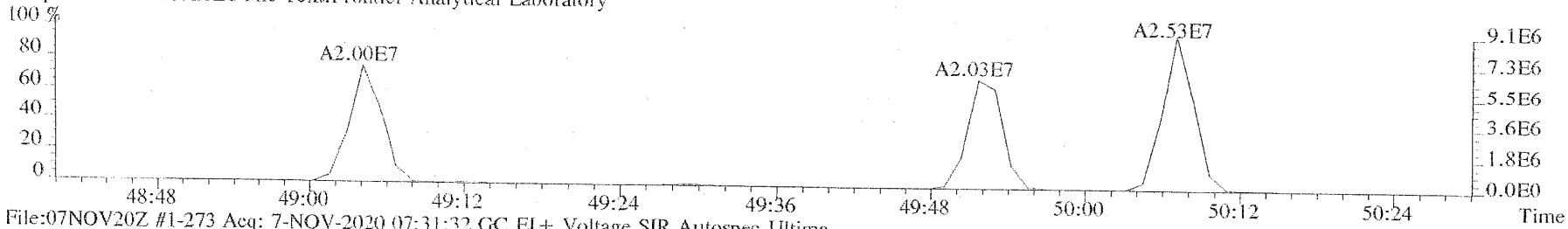
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



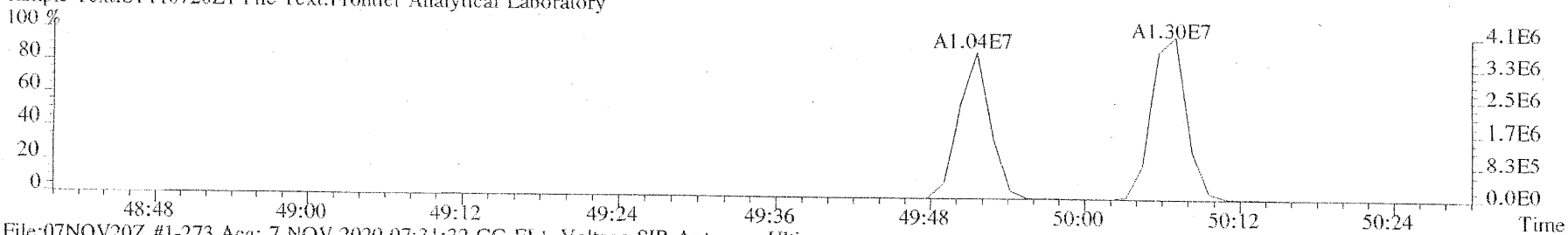
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



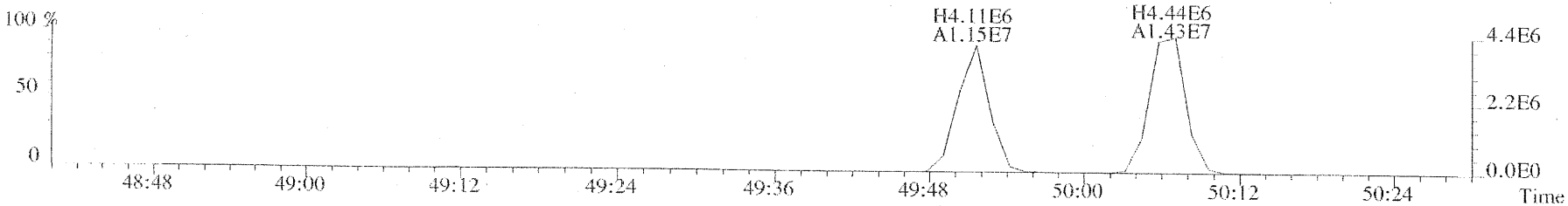
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



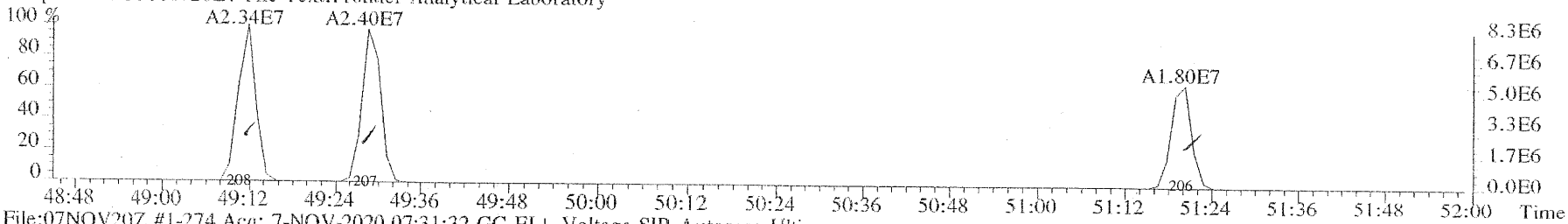
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



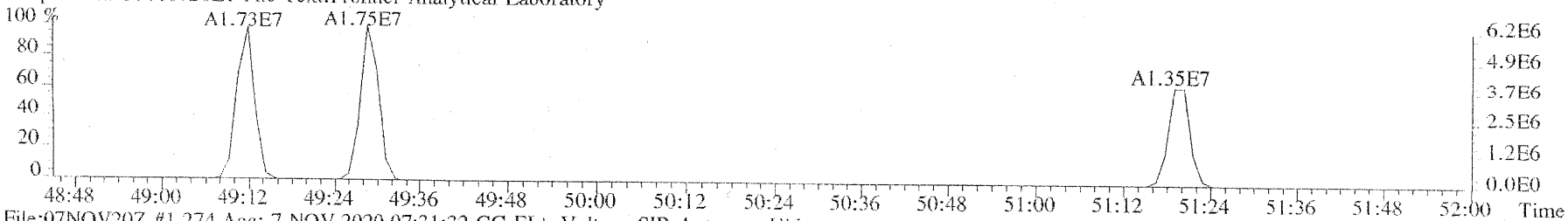
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



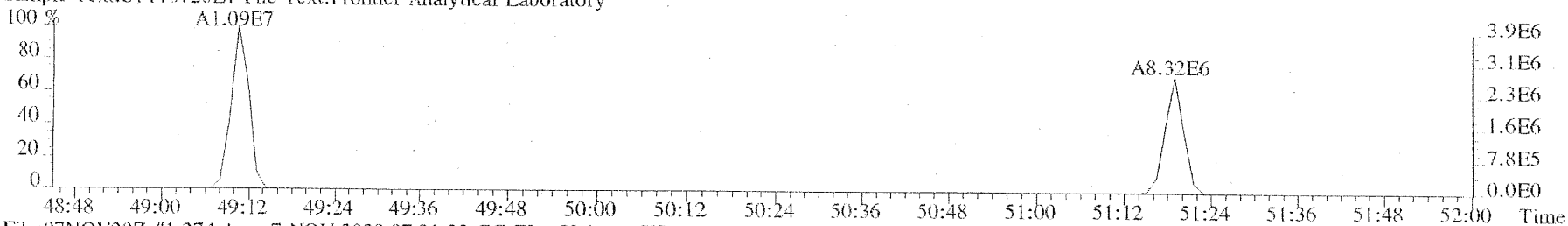
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



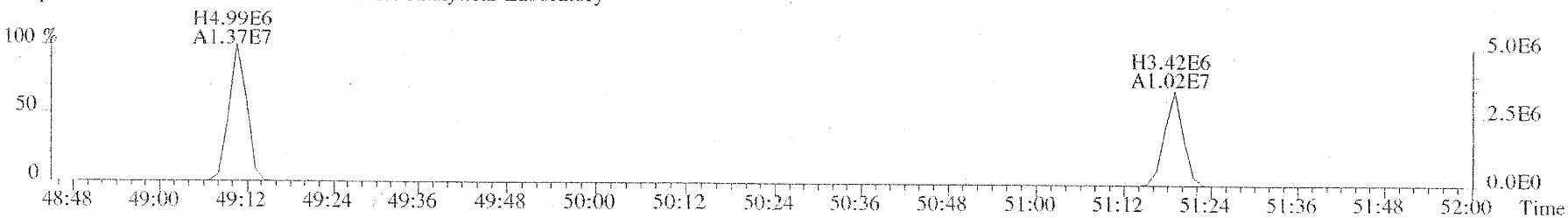
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



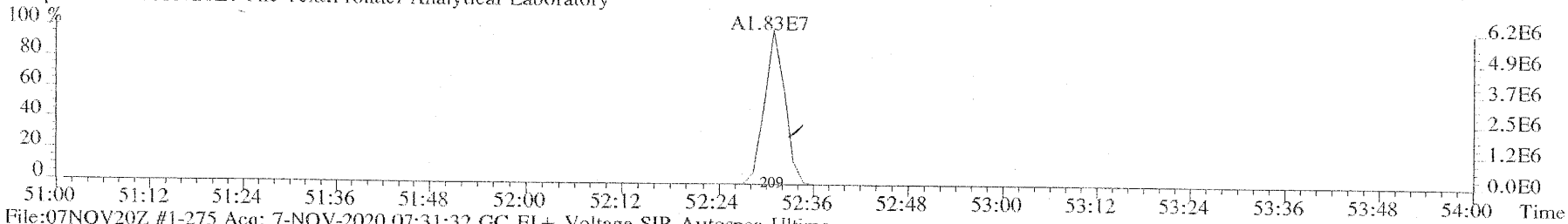
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



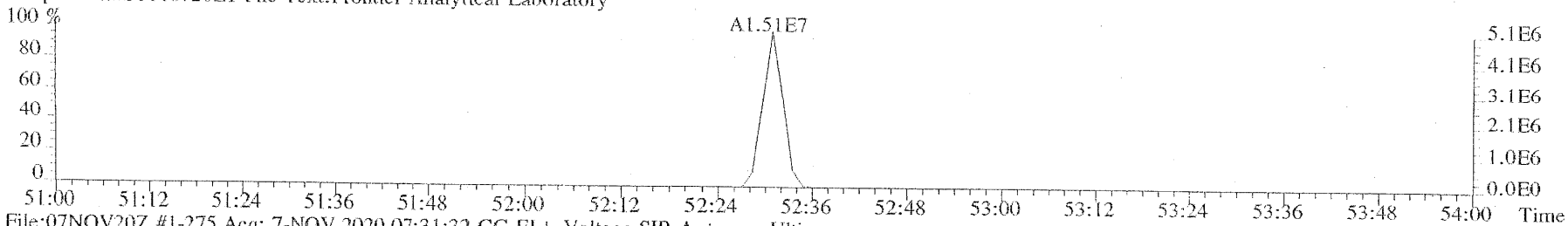
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



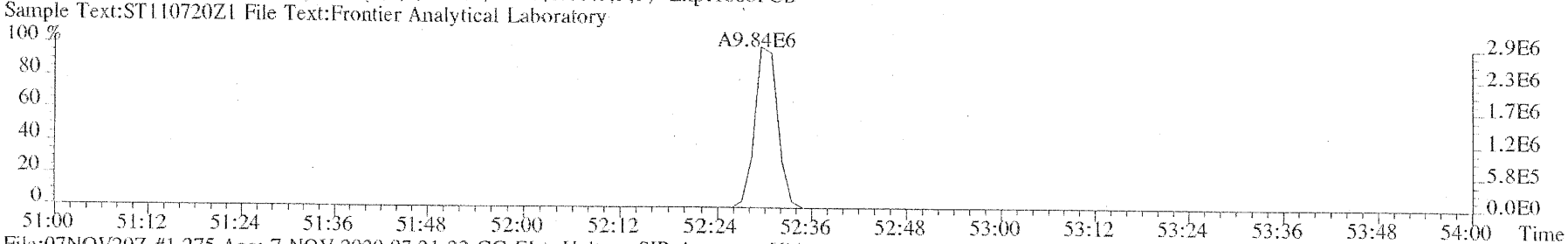
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



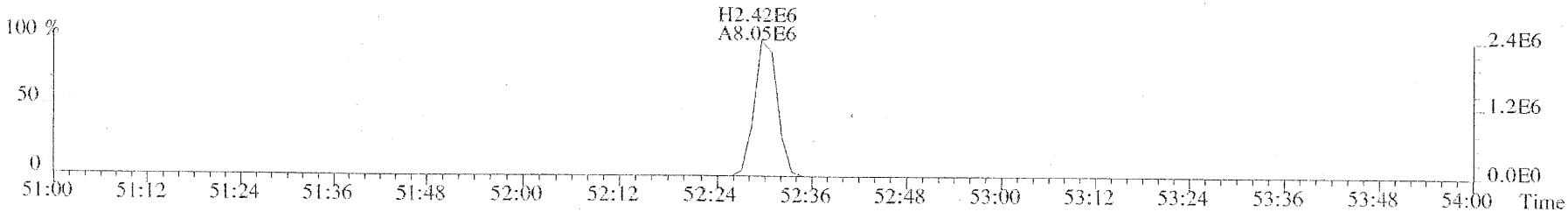
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



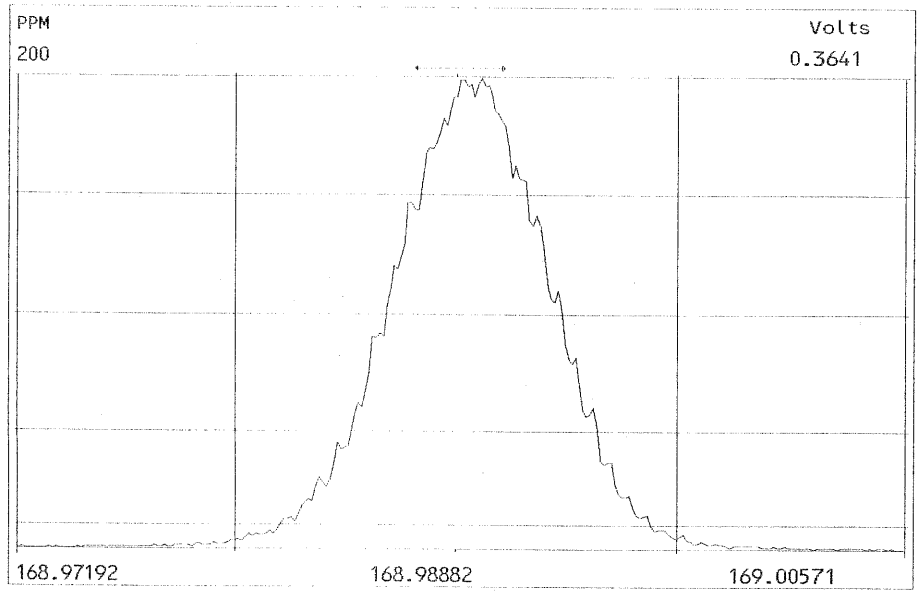
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

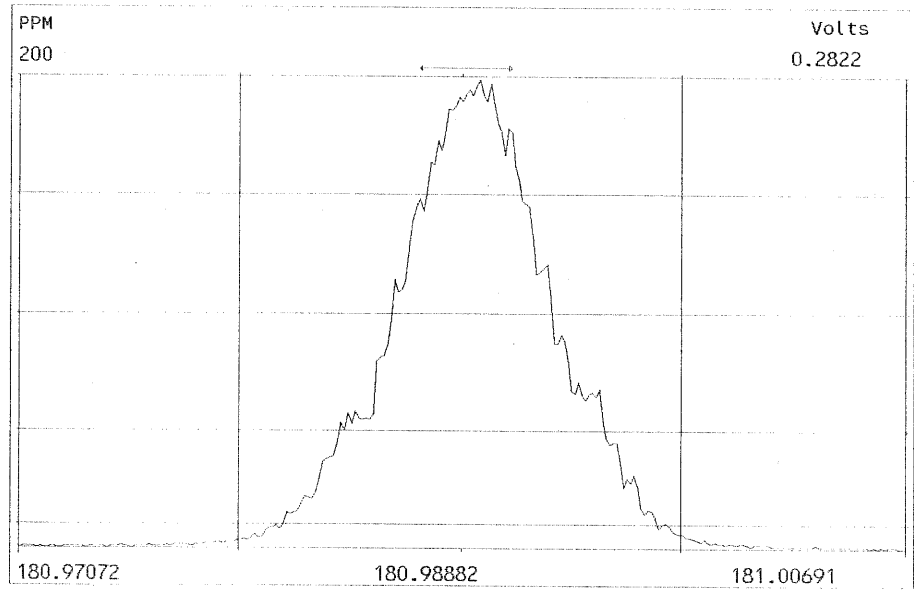


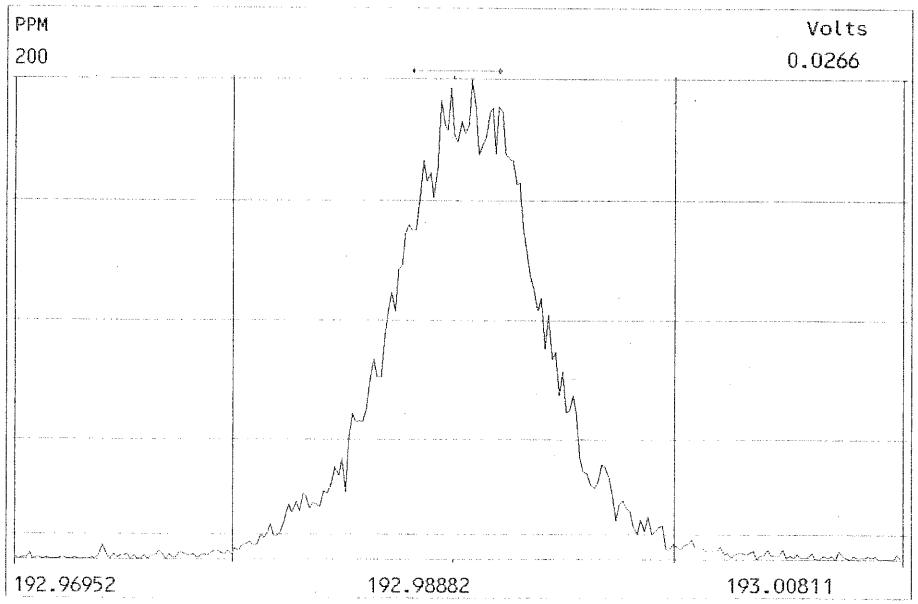
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

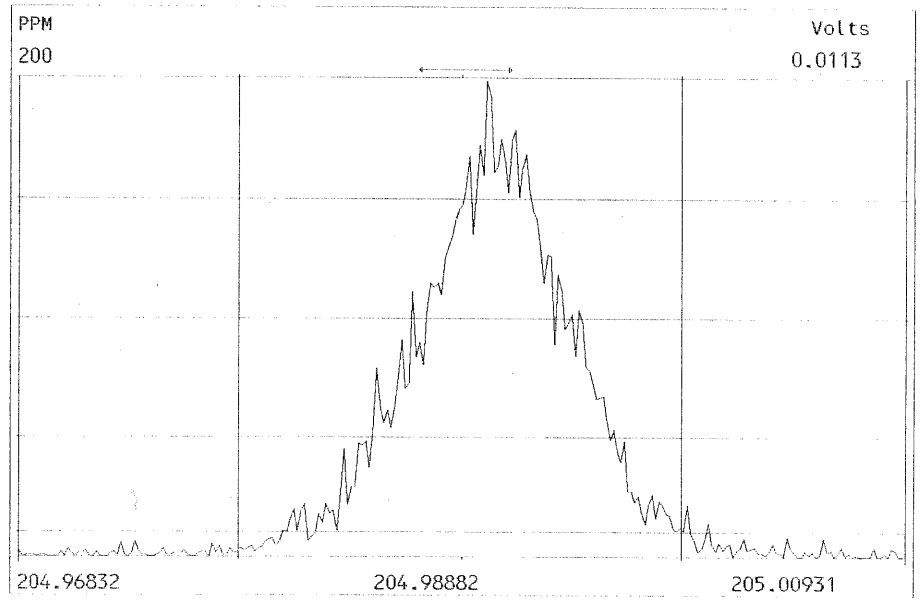


Peak Locate Examination: 7-NOV-2020:22:35 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



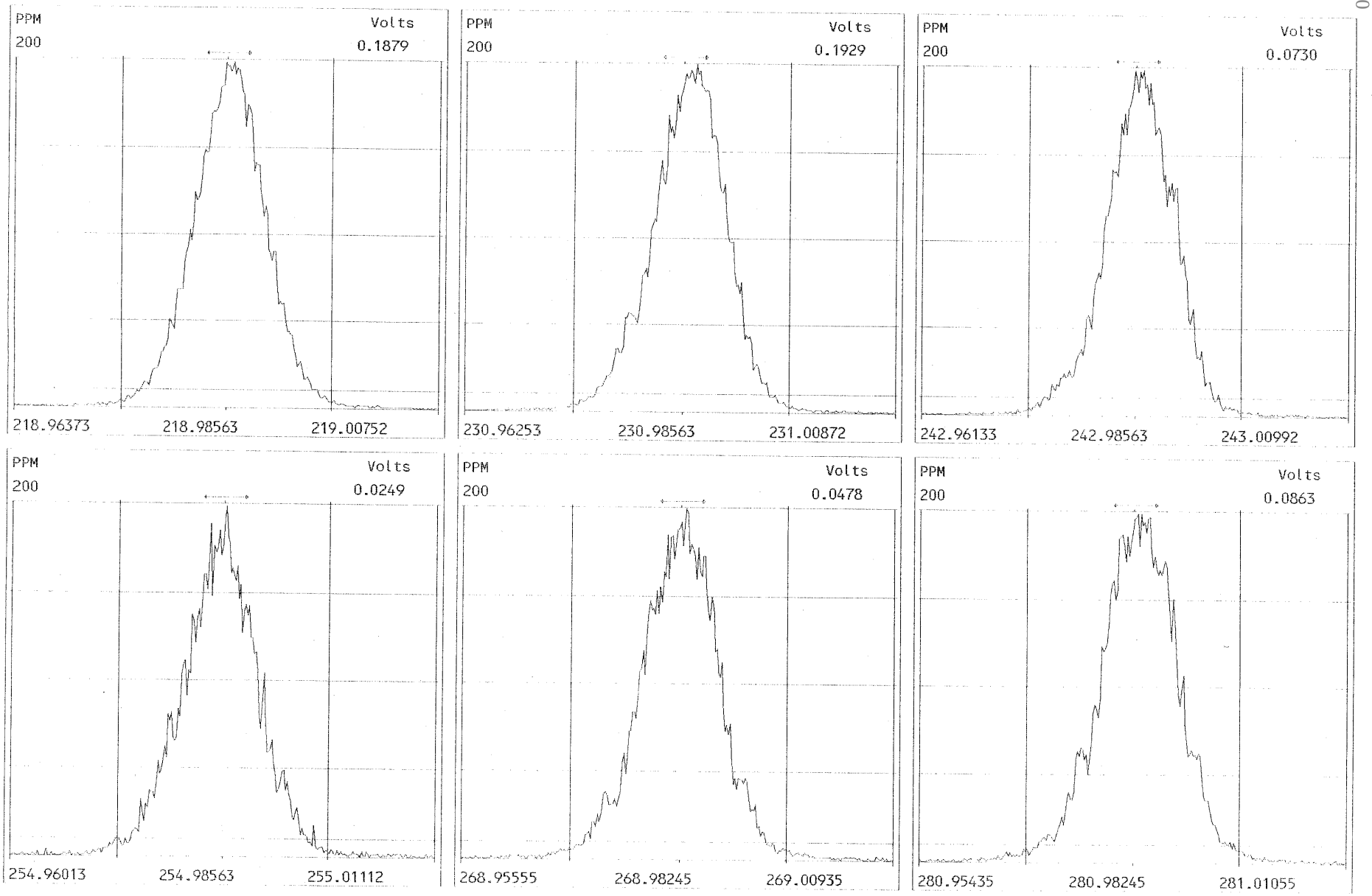






000310

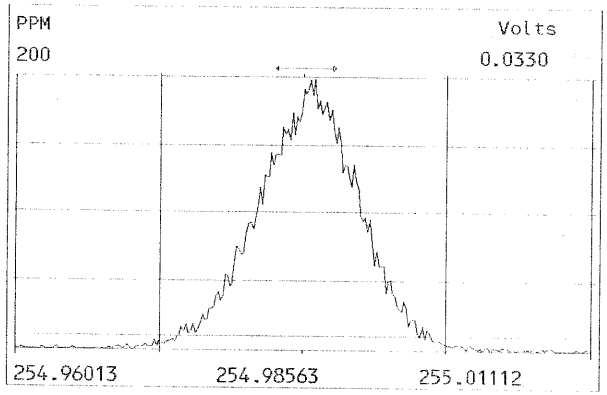
Peak Locate Examination: 7-NOV-2020:22:38 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

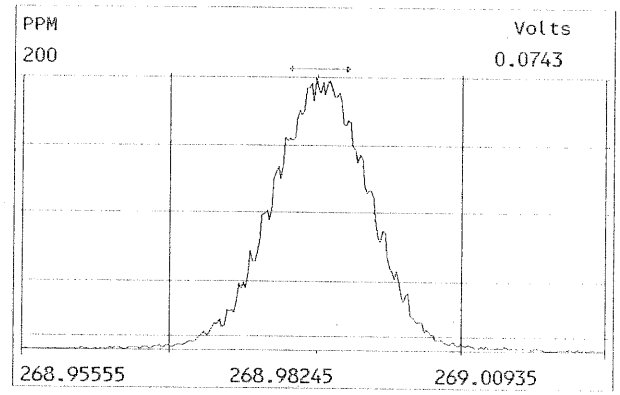


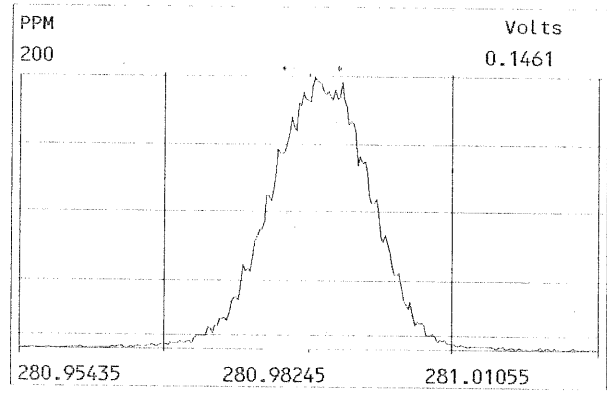
000311

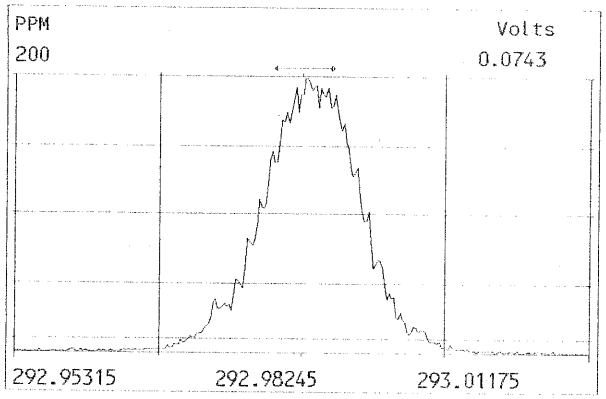
Peak Locate Examination: 7-NOV-2020:22:40 File:07NOV20Z_RES_CHECK

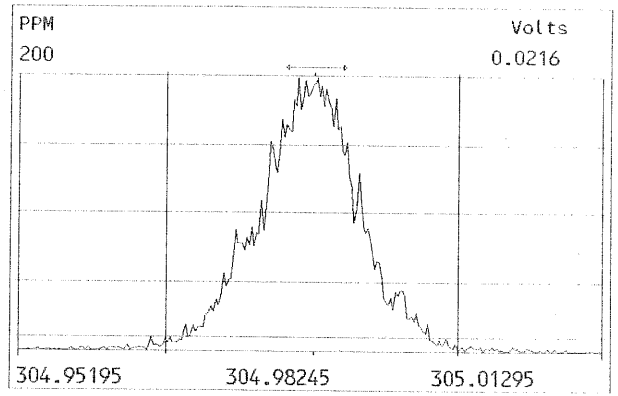
Experiment:1668PCB Function:3 Reference:PFK

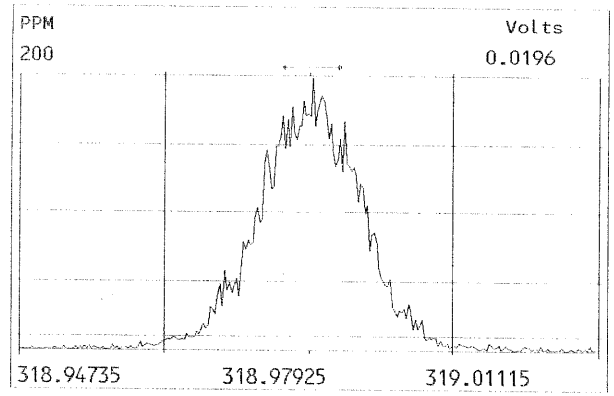


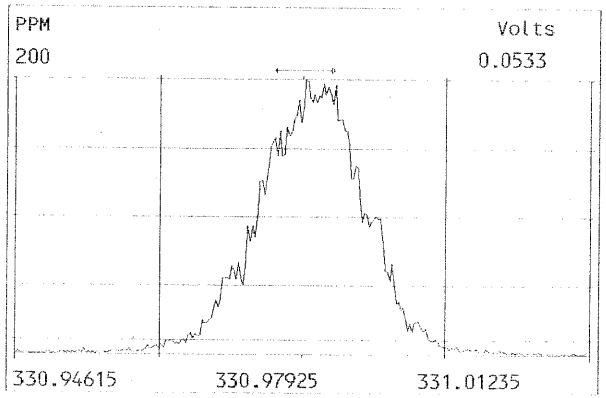


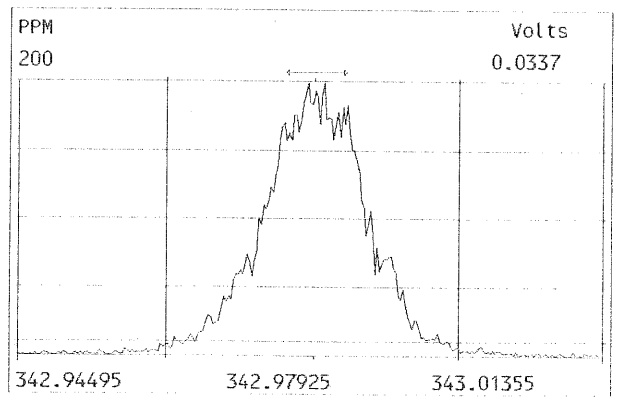








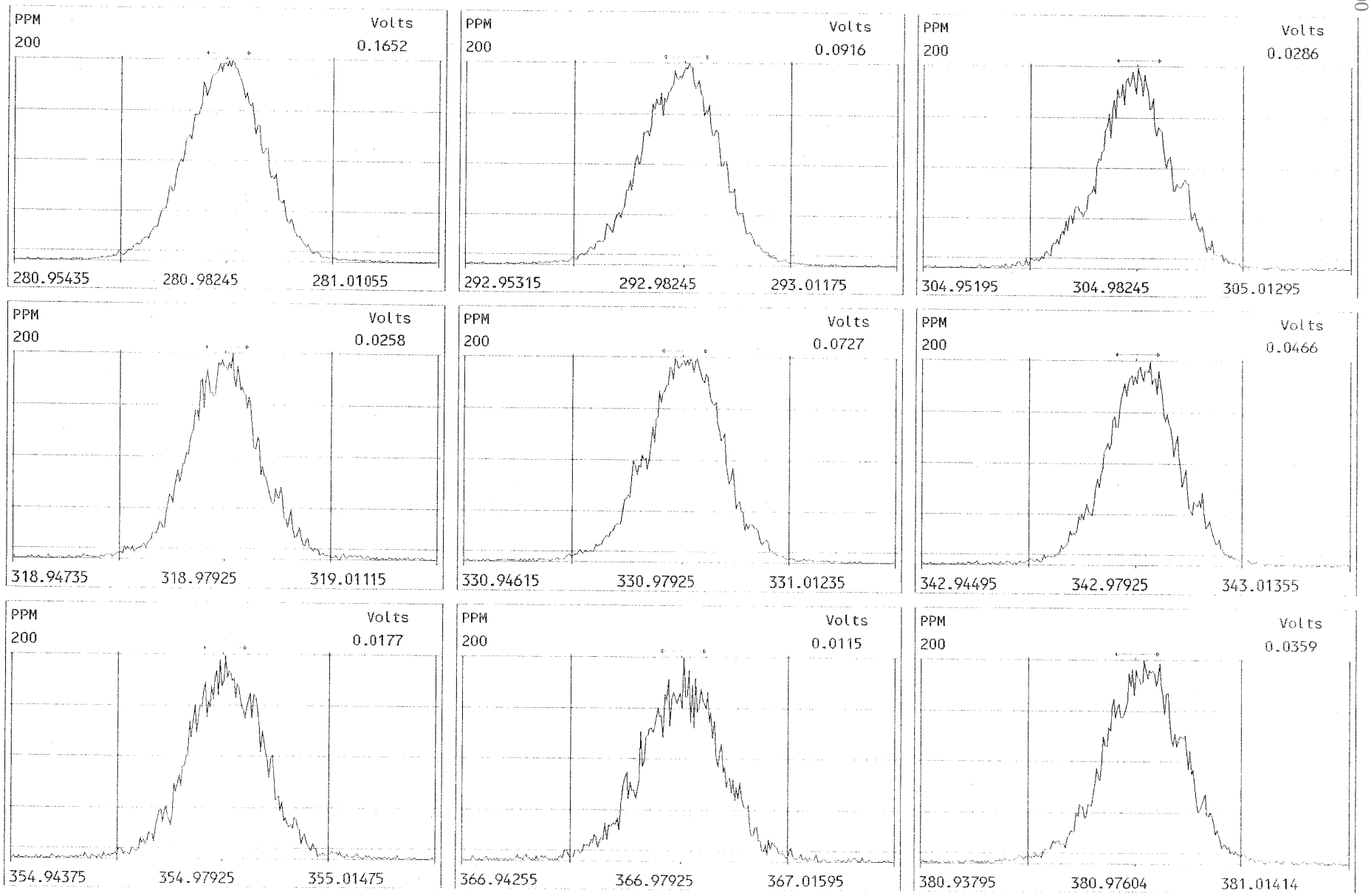




000312

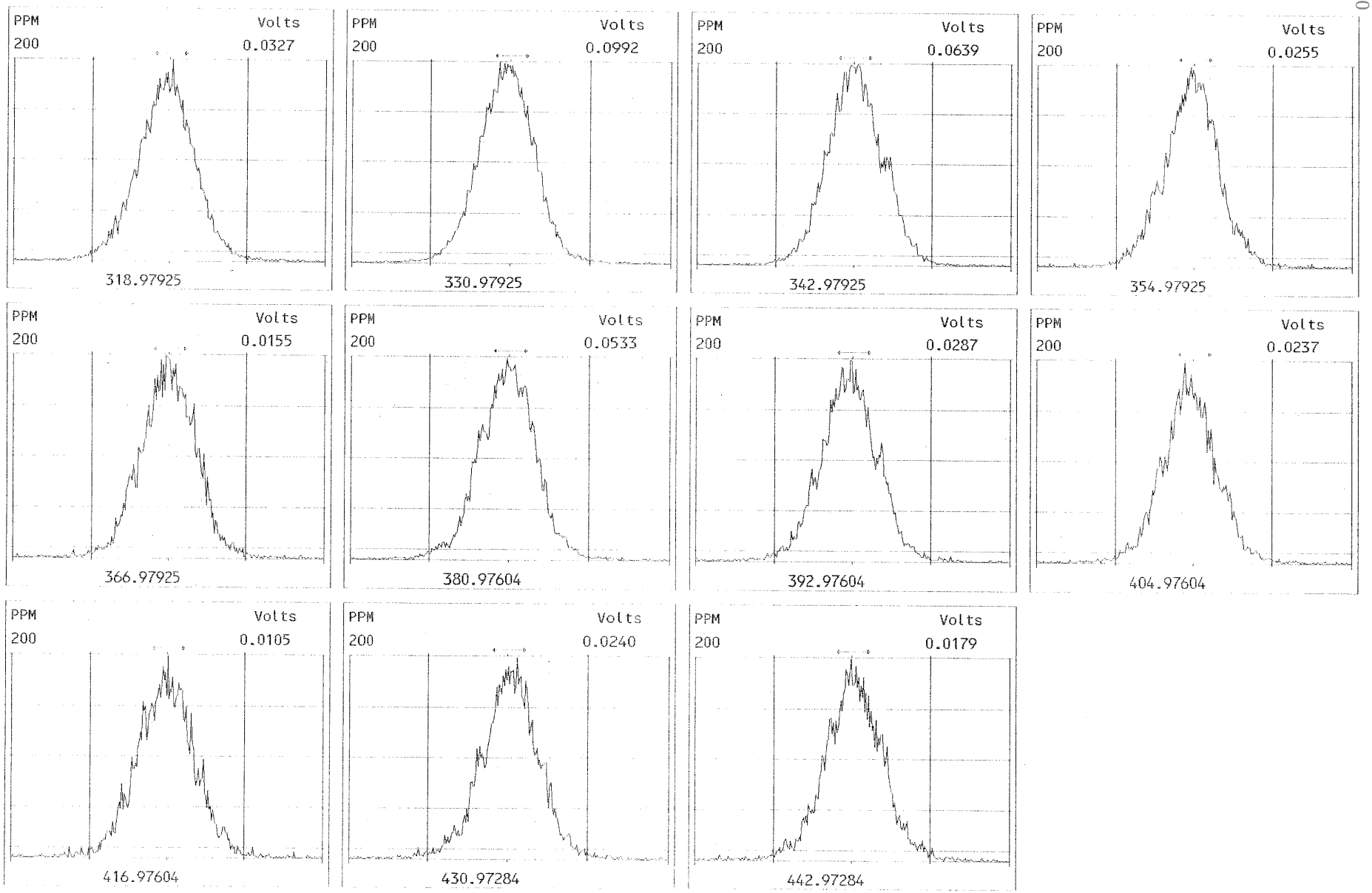
Peak Locate Examination: 7-NOV-2020:22:42 File:07NOV20Z_RES_CHECK

Experiment:1668PCB Function:4 Reference:PFK



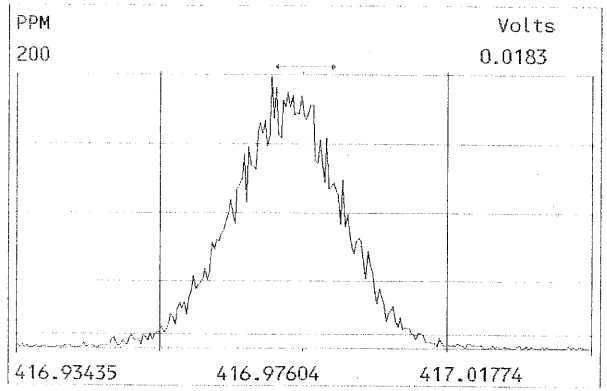
Peak Locate Examination: 7-NOV-2020:22:45 File:07NOV20Z_RES_CHECK

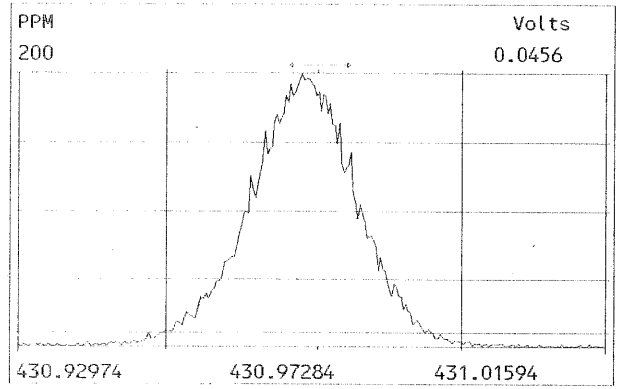
Experiment:1668PCB Function:5 Reference:PFK

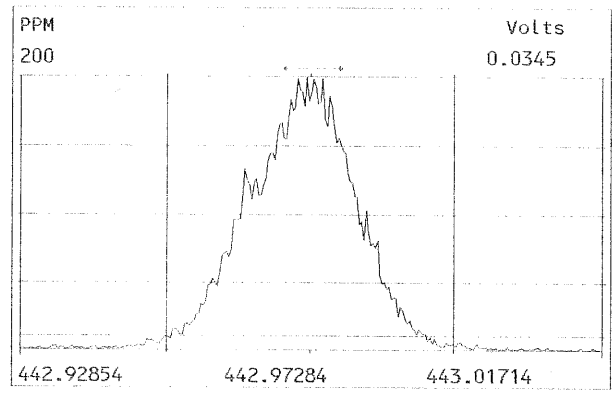


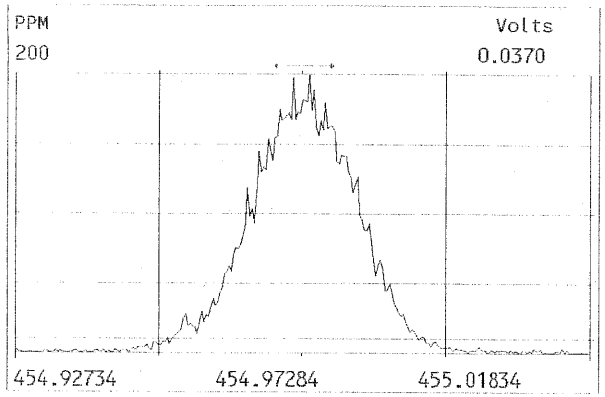
000314

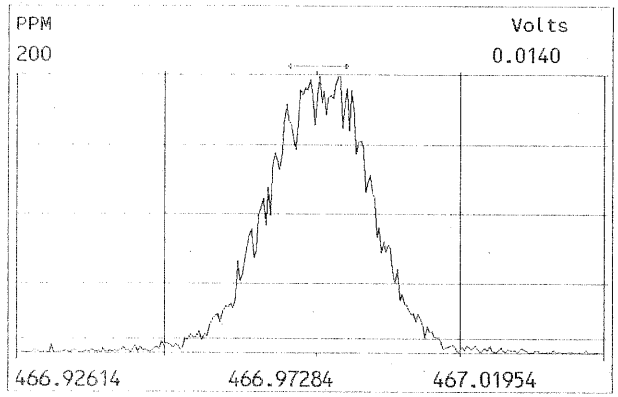
Peak Locate Examination: 7-NOV-2020:22:47 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

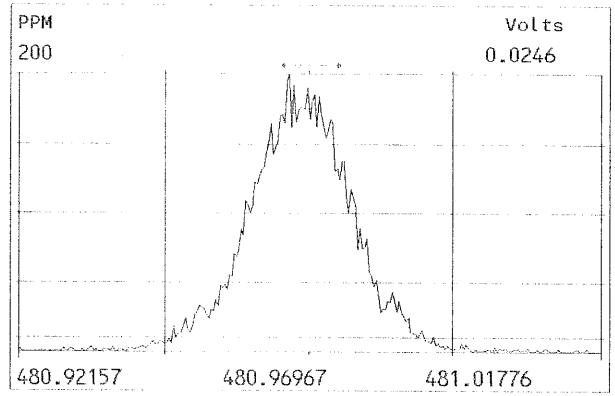


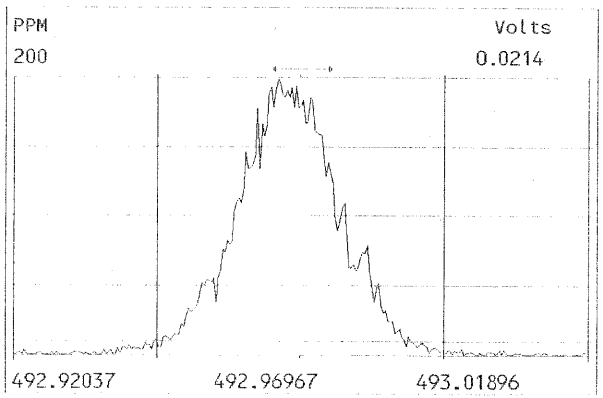


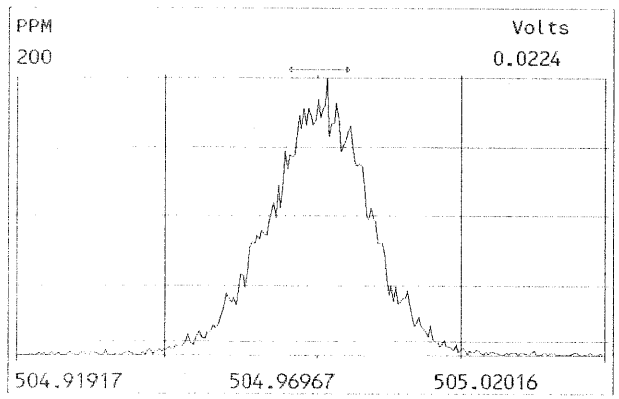


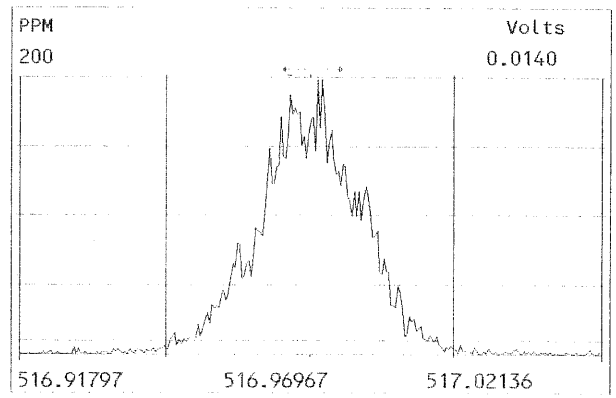












Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	58.2	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	59.4	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	53.9	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	61.7	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	54.7	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	57.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	115	37.5 - 62.5
PCB-77	M/M+2	0.85	0.65-0.89	y	104	37.5 - 62.5
PCB-81	M/M+2	0.82	0.65-0.89	y	116	37.5 - 62.5
PCB-104	M+2/M+4	1.57	1.32-1.78	y	110	37.5 - 62.5
PCB-105	M+2/M+4	1.64	1.32-1.78	y	122	37.5 - 62.5
PCB-114	M+2/M+4	1.63	1.32-1.78	y	121	37.5 - 62.5
PCB-118	M+2/M+4	1.62	1.32-1.78	y	224	37.5 - 62.5
PCB-123	M+2/M+4	1.62	1.32-1.78	y	101	37.5 - 62.5
PCB-126	M+2/M+4	1.63	1.32-1.78	y	120	37.5 - 62.5
PCB-155	M+2/M+4	1.29	1.05-1.43	y	107	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	116	37.5 - 62.5
PCB-157	M+2/M+4	1.28	1.05-1.43	y	119	37.5 - 62.5
PCB-167	M+2/M+4	1.26	1.05-1.43	y	113	37.5 - 62.5
PCB-169	M+2/M+4	1.25	1.05-1.43	y	111	37.5 - 62.5
PCB-188	M+2/M+4	1.08	0.89-1.21	y	111	37.5 - 62.5
PCB-189	M+2/M+4	1.06	0.89-1.21	y	110	37.5 - 62.5
PCB-202	M+2/M+4	0.93	0.76-1.02	y	163	37.5 - 62.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	160	37.5 - 62.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	160	37.5 - 62.5
PCB-208	M+4/M+6	1.34	1.13-1.53	y	163	37.5 - 62.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	165	37.5 - 62.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.21	2.66-3.60	y	78.0	50.0 - 145
13C-PCB-3	M/M+2	3.30	2.66-3.60	y	71.2	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	98.7	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	86.6	50.0 - 145
13C-PCB-19	M/M+2	1.12	0.88-1.20	y	72.2	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	96.1	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	104	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	110	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	108	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	85.7	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	99.1	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	97.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	100	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	96.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	88.7	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	91.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	93.7	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	90.4	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	90.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	79.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	83.0	50.0 - 145
13C-PCB-202	M+2/M+4	0.88	0.76-1.02	y	61.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	96.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	90.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	86.7	50.0 - 145
13C-PCB-209	M+4/M+6	1.23	0.99-1.33	y	76.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.02	0.88-1.20	y	117	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	86.9	75.0 - 125

Analyst: _____ Date: 11/9/20

FAL ID: ST11072022 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST11072021 EndCal: ST11072022
Results: 07NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.04e+07	3.24 y	14:32	1.21	58.2		2.50	-	-	*	-
13C-PCB-1	4.30e+07	3.21 y	14:31	0.90	78.0		2.50				78.0
PCB-3	2.97e+07	3.23 y	16:57	1.23	59.4		2.50	-	-	*	-
13C-PCB-3	4.07e+07	3.30 y	16:56	0.93	71.2		2.50				71.2
PCB-4	2.46e+07	1.49 y	18:12	1.14	53.9		2.50	-	-	*	-
13C-PCB-4	3.99e+07	1.60 y	18:11	0.66	98.7		2.50				98.7
PCB-15	3.89e+07	1.53 y	23:43	1.09	61.7		2.50	-	-	*	-
13C-PCB-15	5.77e+07	1.63 y	23:41	1.09	86.6		2.50				86.6
PCB-19	1.48e+07	1.07 y	22:05	1.21	54.7		2.50	-	-	*	-
13C-PCB-19	2.24e+07	1.12 y	22:03	0.50	72.2		2.50				72.2
13C-PCB-9	6.14e+07	1.61 y	19:51	-	60.2		2.50				
PCB-37	2.67e+07	1.13 y	30:21	1.14	57.3		2.50	-	-	*	-
13C-PCB-37	4.07e+07	1.04 y	30:20	1.64	96.1		2.50				96.1
PCB-54	4.63e+07	0.78 y	25:37	1.18	115		2.50	-	-	*	-
13C-PCB-54	3.40e+07	0.82 y	25:35	1.26	104		2.50				104
PCB-104	2.77e+07	1.57 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	2.26e+07	1.60 y	30:01	1.02	85.7		2.50				85.7
13C-PCB-28	5.25e+07	1.02 y	26:40	1.73	117		2.50				117
13C-PCB-52	2.59e+07	0.80 y	28:55	-	48.7		2.50				
PCB-81	5.38e+07	0.82 y	36:07	1.13	116		2.50	-	-	*	-
13C-PCB-81	4.11e+07	0.79 y	36:06	1.57	108		2.50				108
PCB-77	4.93e+07	0.85 y	36:41	1.10	104		2.50	-	-	*	-
13C-PCB-77	4.29e+07	0.80 y	36:39	1.61	110		2.50				110
PCB-155	2.87e+07	1.29 y	34:12	1.13	107		2.50	-	-	*	-
13C-PCB-155	2.36e+07	1.30 y	34:11	1.10	88.7		2.50				88.7
13C-PCB-111	3.09e+07	1.63 y	36:15	1.27	101		2.50				101
13C-PCB-101	2.41e+07	1.64 y	34:36	-	50.7		2.50				
PCB-123	3.93e+07	1.62 y	38:19	1.11	101		2.50	-	-	*	-
13C-PCB-123	3.50e+07	1.59 y	38:18	1.28	100		2.50				100
PCB-118	9.35e+07	1.62 y	38:29	1.12	224		2.50	-	-	*	-
13C-PCB-118	3.72e+07	1.59 y	38:28	1.35	101		2.50				101
PCB-114	4.67e+07	1.63 y	39:05	1.13	121		2.50	-	-	*	-
13C-PCB-114	3.42e+07	1.64 y	39:05	1.29	97.2		2.50				97.2
PCB-105	4.64e+07	1.64 y	39:55	1.10	122		2.50	-	-	*	-
13C-PCB-105	3.45e+07	1.61 y	39:53	1.28	99.1		2.50				99.1
PCB-126	4.21e+07	1.63 y	42:02	1.08	120		2.50	-	-	*	-
13C-PCB-126	3.24e+07	1.59 y	42:02	1.23	96.9		2.50				96.9
PCB-167	3.78e+07	1.26 y	43:24	1.11	113		2.50	-	-	*	-
13C-PCB-167	3.02e+07	1.29 y	43:22	1.23	90.4		2.50				90.4
PCB-156	3.88e+07	1.25 y	44:38	1.13	116		2.50	-	-	*	-
13C-PCB-156	2.97e+07	1.29 y	44:36	1.19	91.8		2.50				91.8
PCB-157	3.99e+07	1.28 y	44:53	1.08	119		2.50	-	-	*	-
13C-PCB-157	3.09e+07	1.30 y	44:51	1.21	93.7		2.50				93.7
PCB-169	3.46e+07	1.25 y	46:45	1.08	111		2.50	-	-	*	-
13C-PCB-169	2.89e+07	1.29 y	46:43	1.17	90.7		2.50				90.7
PCB-188	2.97e+07	1.08 y	39:42	1.10	111		2.50	-	-	*	-
13C-PCB-188	2.44e+07	1.08 y	39:40	1.13	79.5		2.50				79.5
PCB-189	2.57e+07	1.06 y	48:25	1.07	110		2.50	-	-	*	-
13C-PCB-189	2.18e+07	1.08 y	48:25	0.97	83.0		2.50				83.0
PCB-202	2.69e+07	0.93 y	44:48	1.03	163		2.50	-	-	*	-
13C-PCB-202	1.60e+07	0.88 y	44:46	0.96	61.7		2.50				61.7
13C-PCB-178	1.83e+07	1.07 y	42:18	0.78	86.9		2.50				86.9
13C-PCB-138	2.72e+07	1.31 y	41:32	-	56.5		2.50				

Client ID: CS209 200406A ConCal: ST11072021 EndCal: ST11072022
Results: 07NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.93e+07	0.92	y	50:05	1.09	160	2.50	-	-	*	-
13C-PCB-205	3.41e+07	0.90	y	50:05	1.32	96.7	2.50				96.7
PCB-208	5.24e+07	1.34	y	49:09	1.01	163	2.50	-	-	*	-
13C-PCB-208	3.20e+07	0.81	y	49:08	1.38	86.7	2.50				86.7
PCB-206	3.78e+07	1.32	y	51:16	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.28e+07	0.80	y	51:16	0.94	90.6	2.50				90.6
PCB-209	4.22e+07	1.21	y	52:28	1.13	165	2.50	-	-	*	-
13C-PCB-209	2.26e+07	1.23	y	52:27	1.10	76.5	2.50				76.5
13C-PCB-194	2.68e+07	0.89	y	49:49	-	70.4	2.50				

Analyst: _____ Date: 11/9/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:07NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

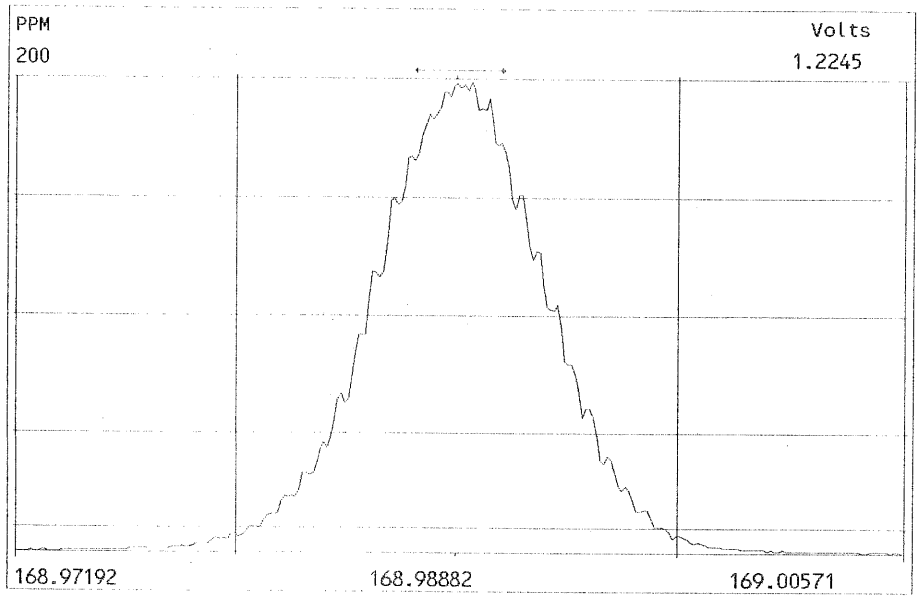
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
07NOV20Z	1	ST110720Z1	CS209 200406A	7-NOV-20 07:31:32	ST110720Z1	ST110720Z2	BS
07NOV20Z	2	05498-001-0001-OPR	OPR	7-NOV-20 08:29:52	ST110720Z1	ST110720Z2	BS
07NOV20Z	3	05498-001-0001-MB	Method Blank	7-NOV-20 09:28:13	ST110720Z1	ST110720Z2	BS
07NOV20Z	4	13378-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-CLAM	7-NOV-20 10:26:34	ST110720Z1	ST110720Z2	BS
07NOV20Z	5	13378-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-CLAM	7-NOV-20 11:24:55	ST110720Z1	ST110720Z2	BS
07NOV20Z	6	13378-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-CLAM	7-NOV-20 12:23:16	ST110720Z1	ST110720Z2	BS
07NOV20Z	7	13379-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CLAM	7-NOV-20 13:21:38	ST110720Z1	ST110720Z2	BS
07NOV20Z	8	13379-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CLAM	7-NOV-20 14:19:59	ST110720Z1	ST110720Z2	BS
07NOV20Z	9	13379-021-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CLAM	7-NOV-20 15:18:21	ST110720Z1	ST110720Z2	BS
07NOV20Z	10	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	7-NOV-20 16:16:42	ST110720Z1	ST110720Z2	BS
07NOV20Z	11	13380-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-WORM	7-NOV-20 17:15:03	ST110720Z1	ST110720Z2	BS
07NOV20Z	12	SB110720Z1	Solvent Blank	7-NOV-20 18:13:25	ST110720Z1	ST110720Z2	BS
07NOV20Z	13	13371-012-0001-SA	LDW-Y3-IN-S010-TB	7-NOV-20 19:11:46	ST110720Z1	ST110720Z2	BS
07NOV20Z	14	SB110720Z2	Solvent Blank	7-NOV-20 20:10:07	ST110720Z1	ST110720Z2	BS
07NOV20Z	15	ST110720Z2	CS209 200406A	7-NOV-20 21:08:28	ST110720Z1	ST110720Z2	BS

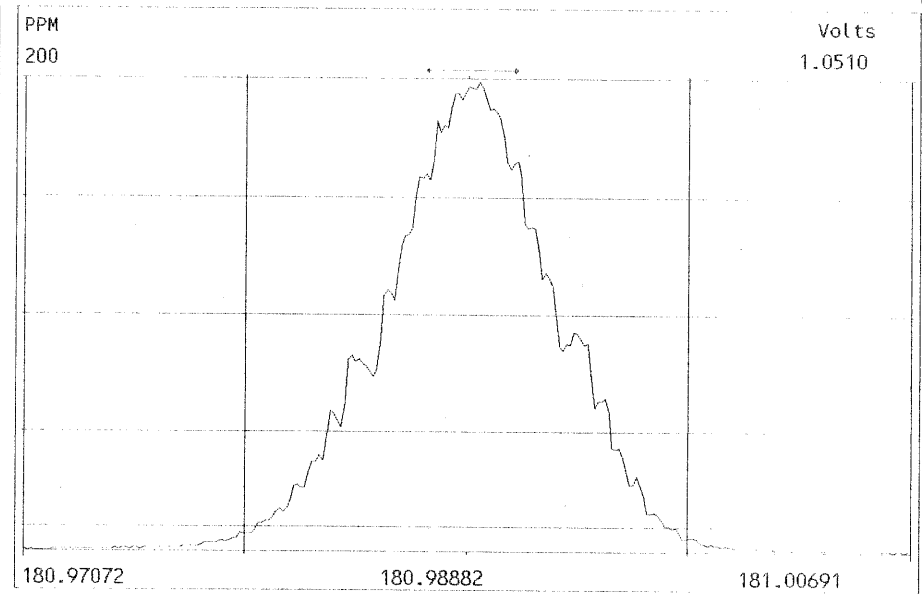
8/11/9/20

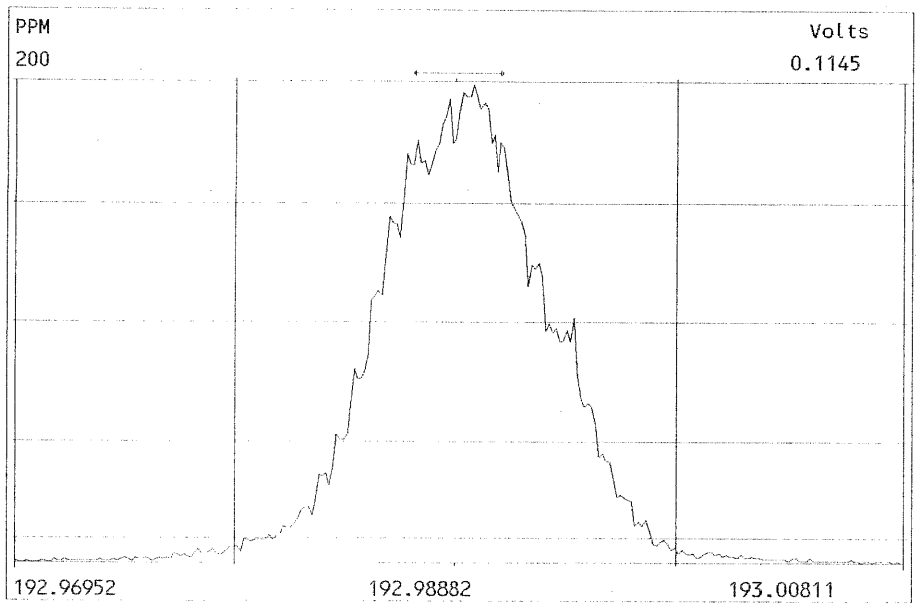
Data Backed Up:_____

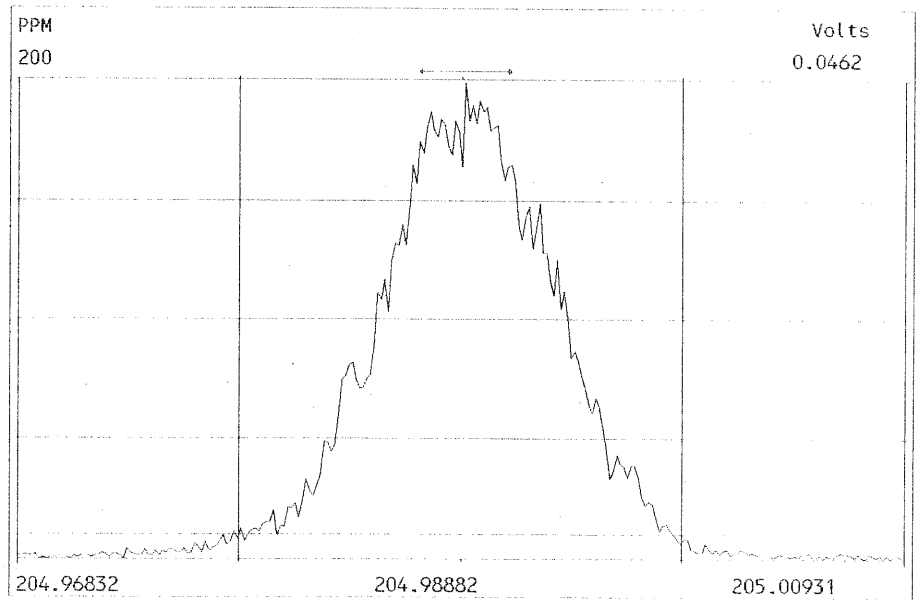
Date:_____

Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:1 Reference:PFK









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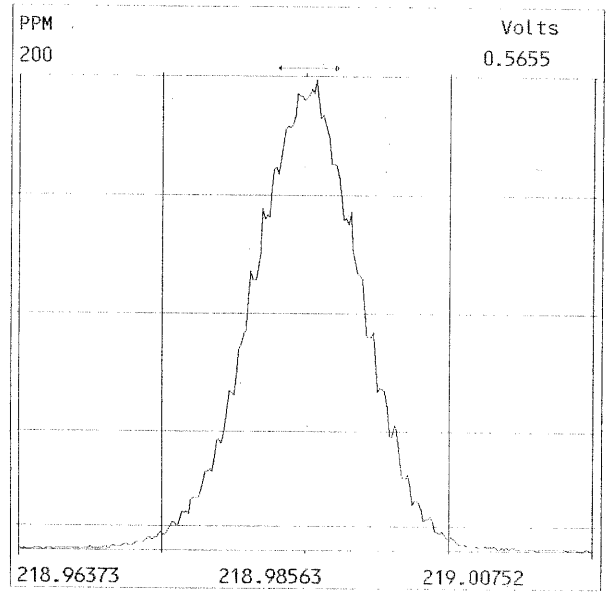
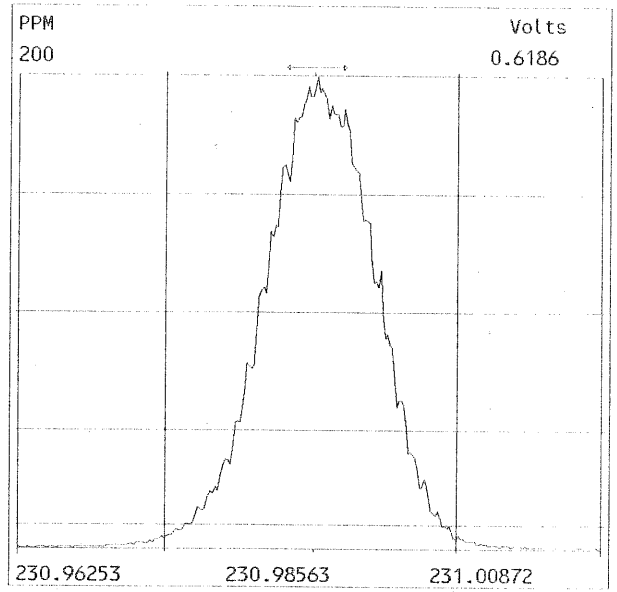
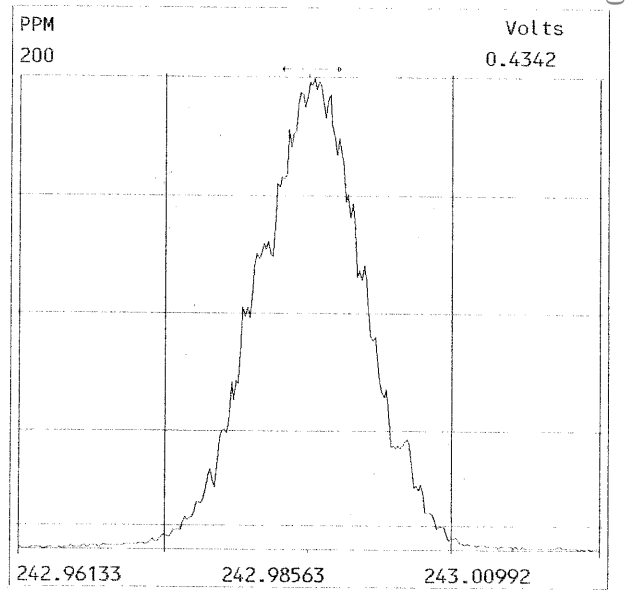
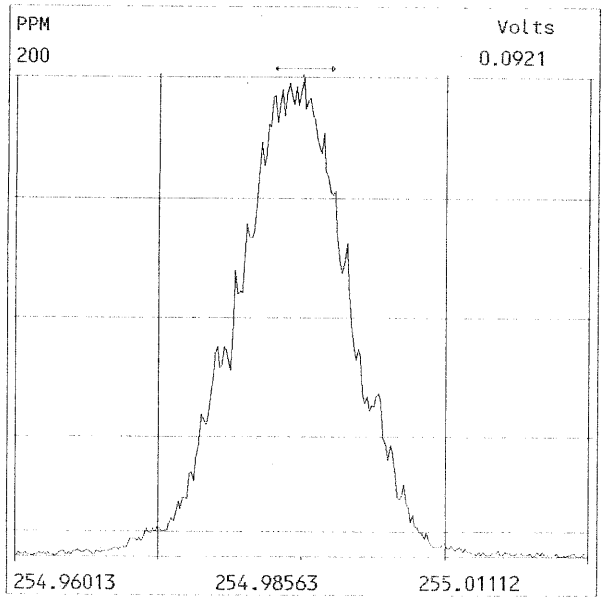
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z

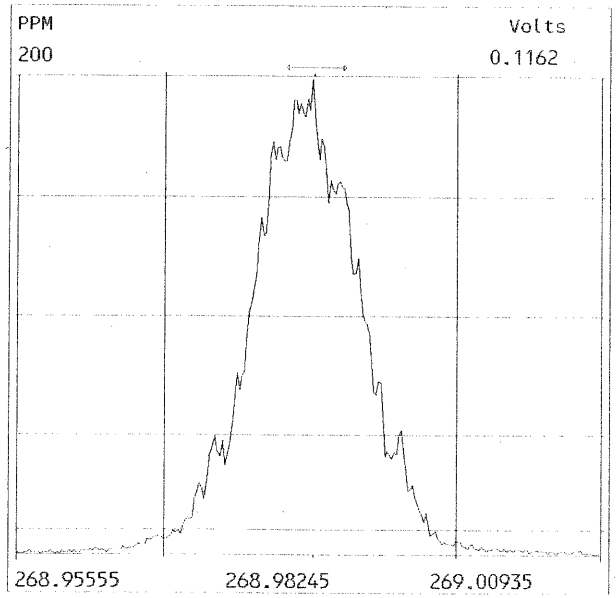
Experiment:1668PCB Function:2 Reference:PFK

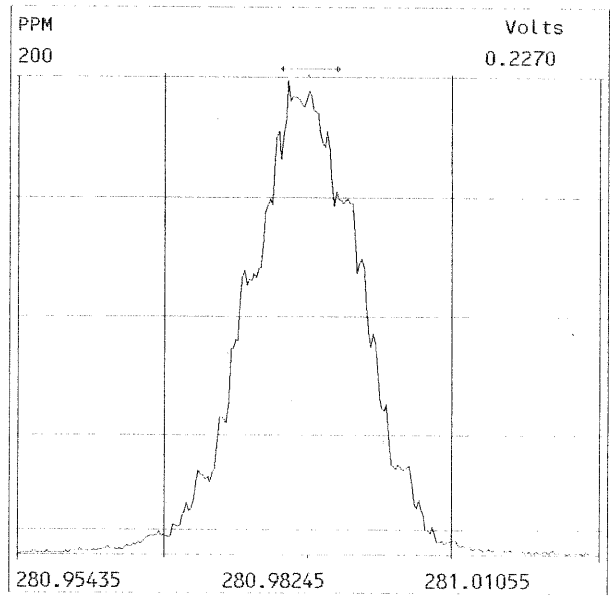




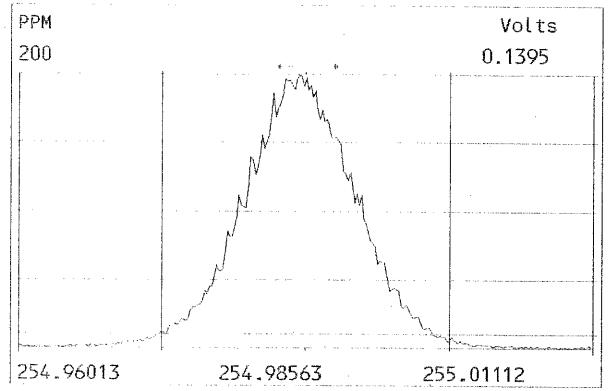


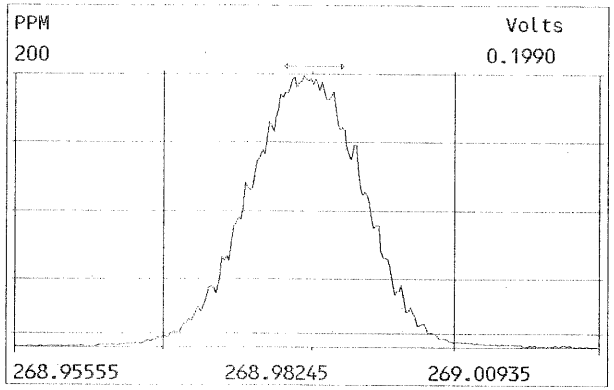


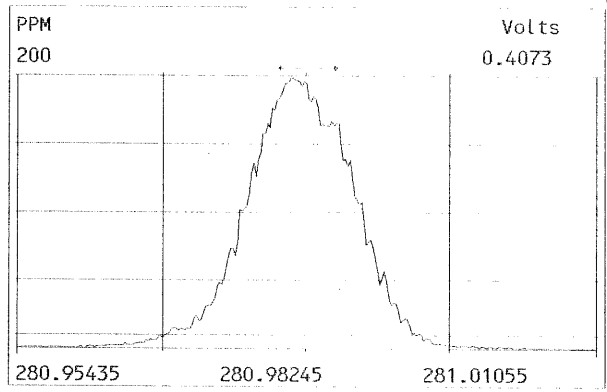


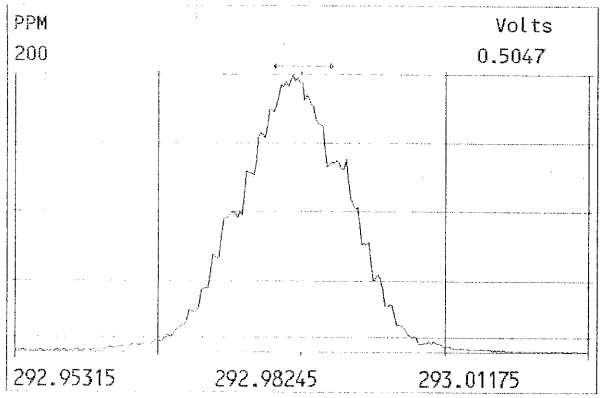


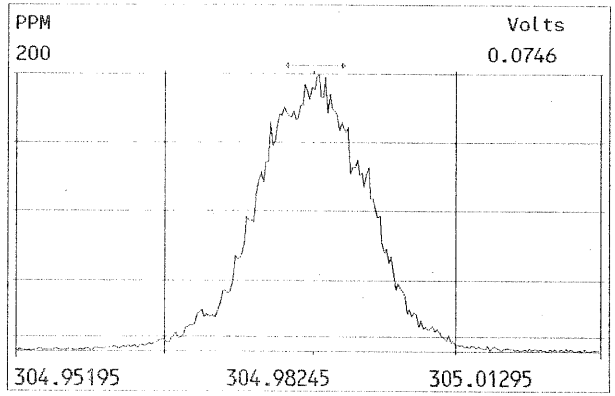
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

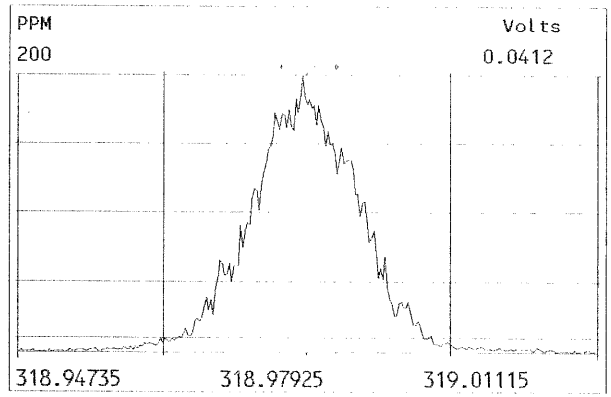


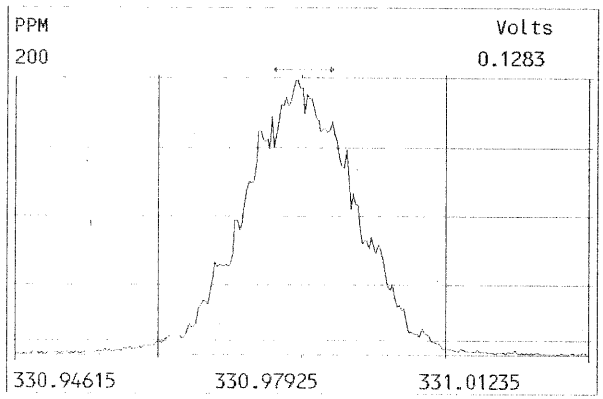


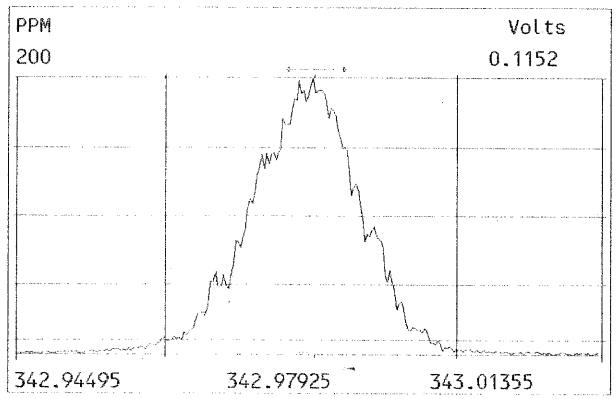






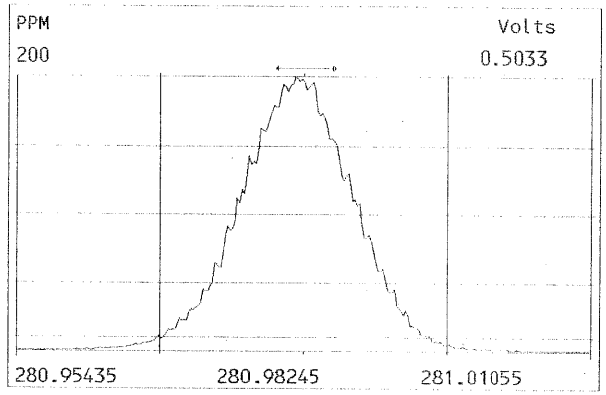


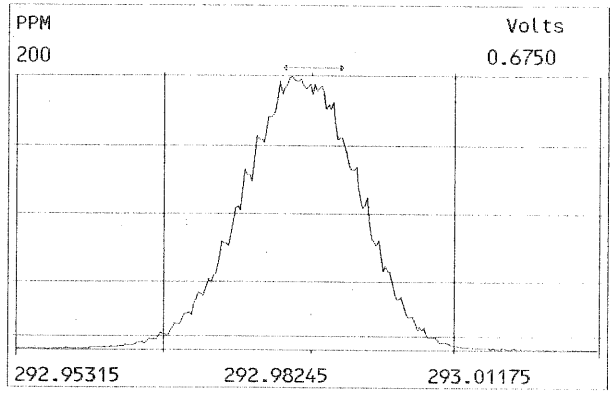


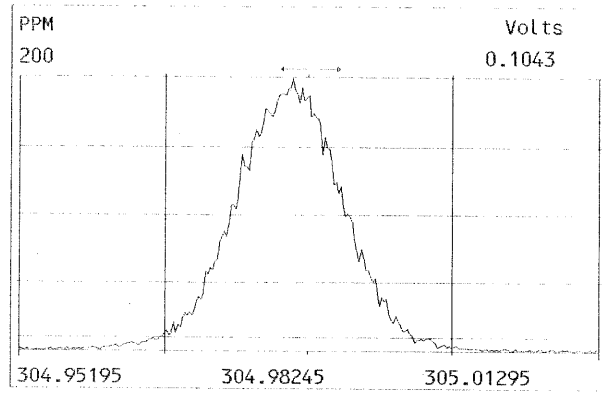


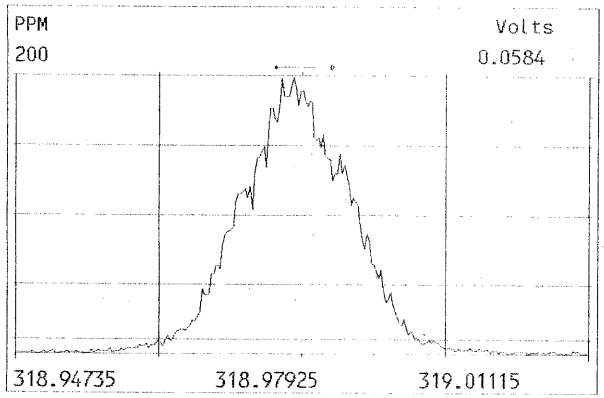
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z

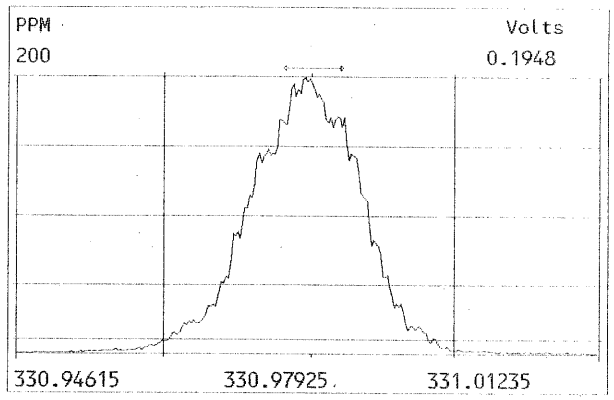
Experiment:1668PCB Function:4 Reference:PFK

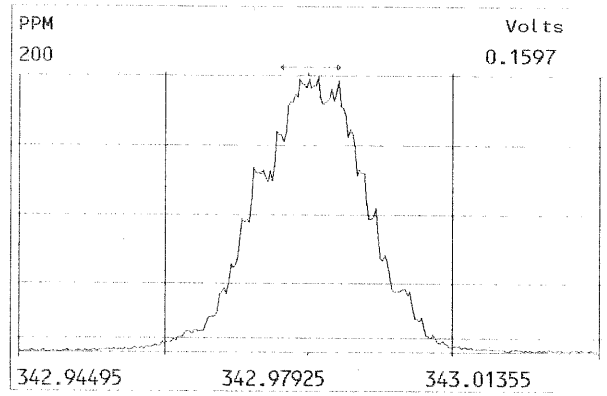


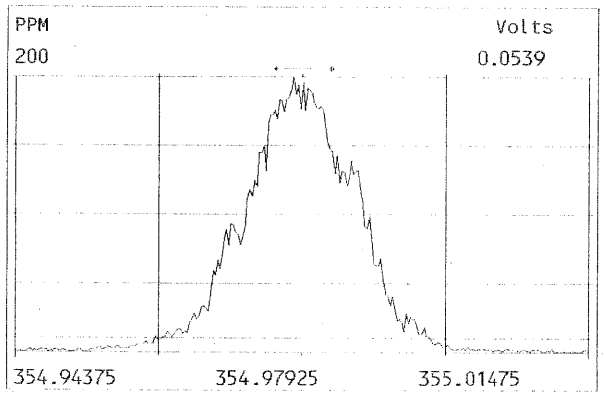


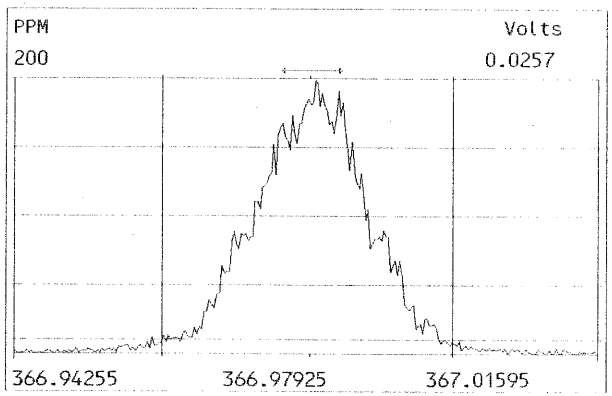


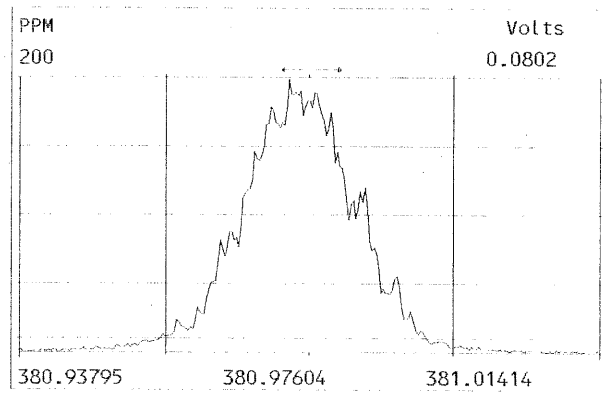






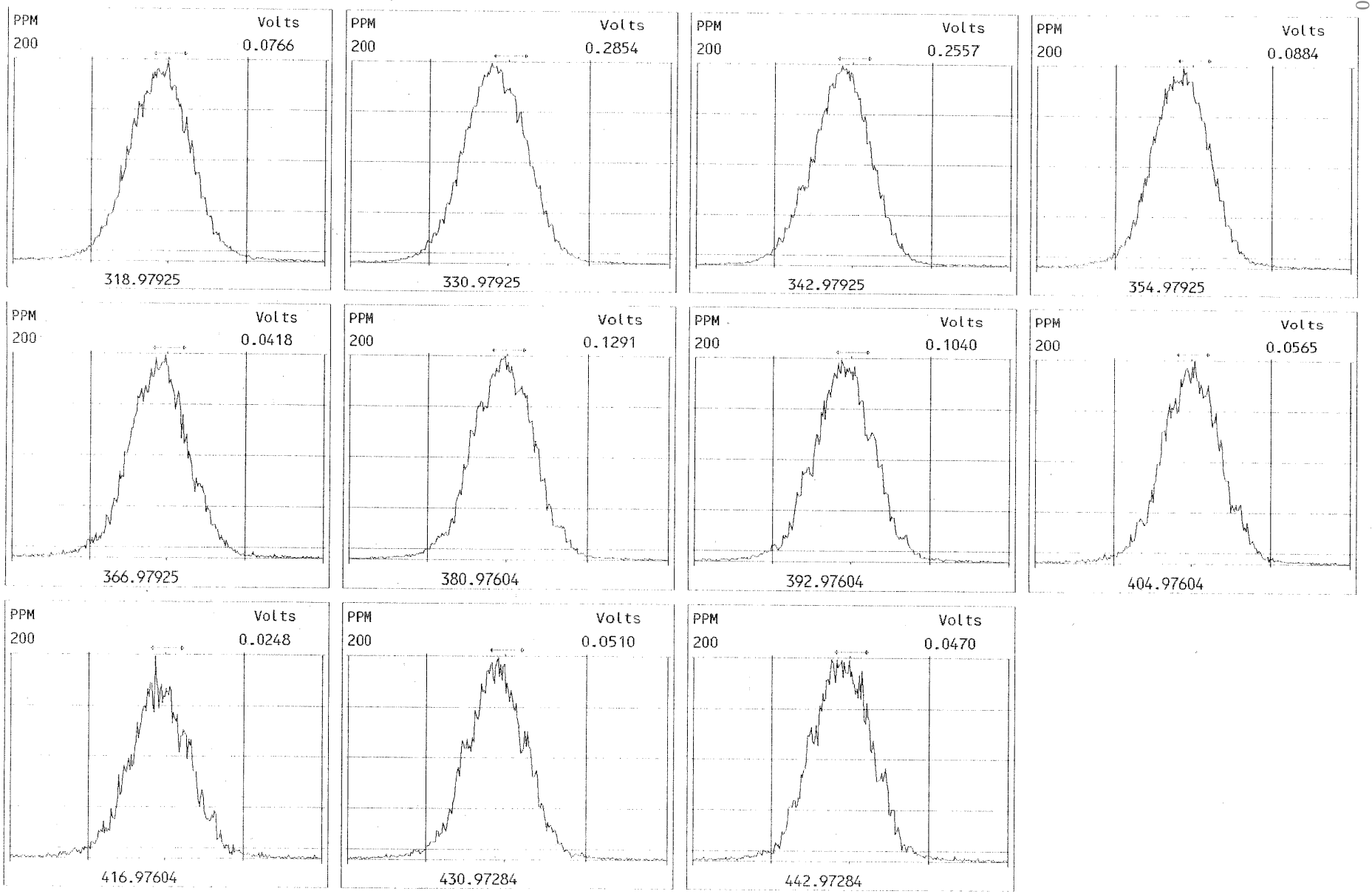






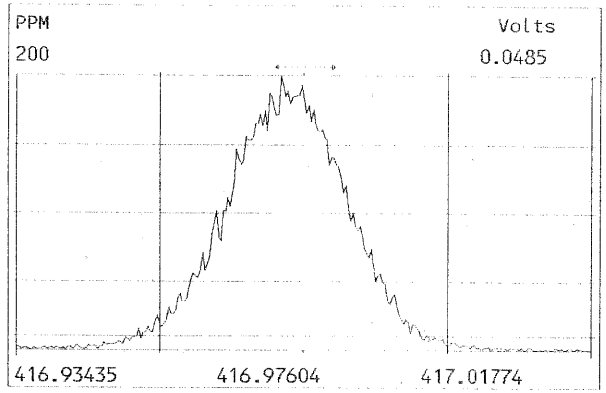
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z

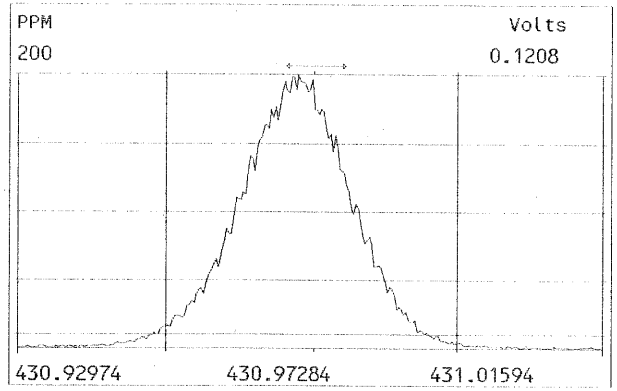
Experiment:1668PCB Function:5 Reference:PFK

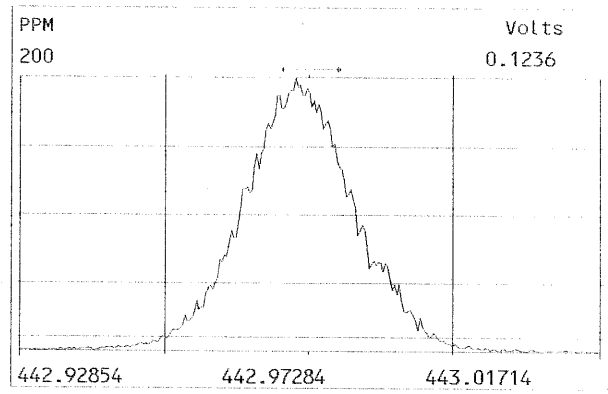


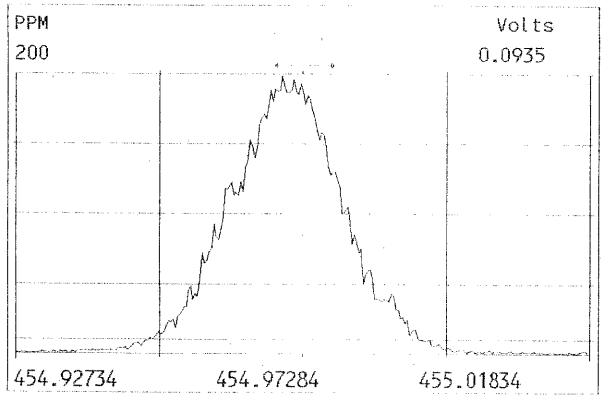
Peak Locate Examination: 7-NOV-2020:07:31 File:07NOV20Z

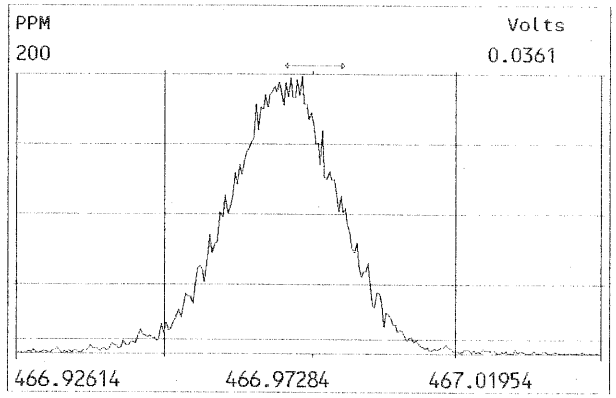
Experiment:1668PCB Function:6 Reference:PFK

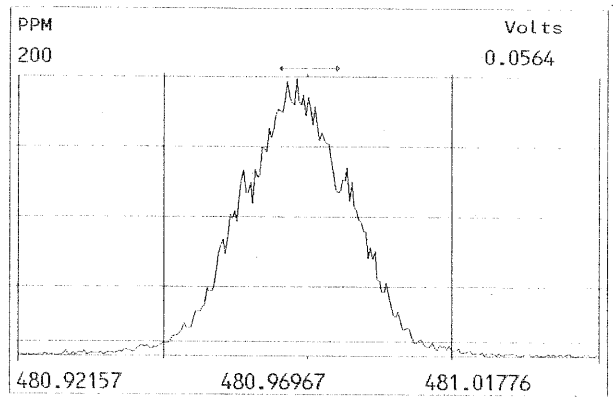


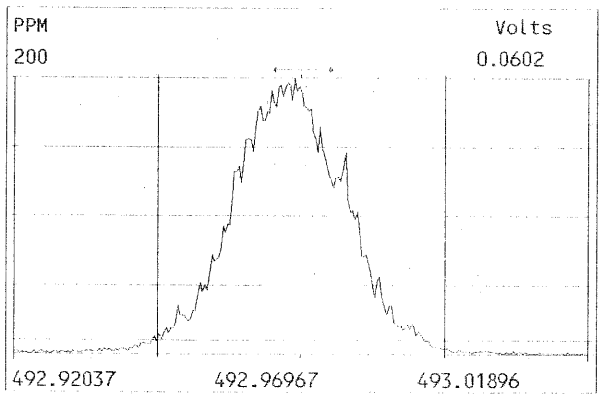


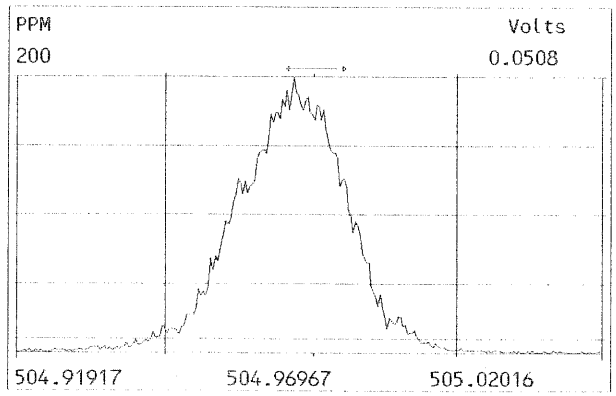


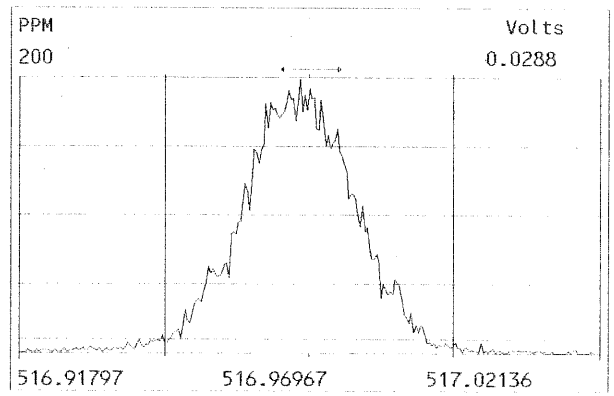




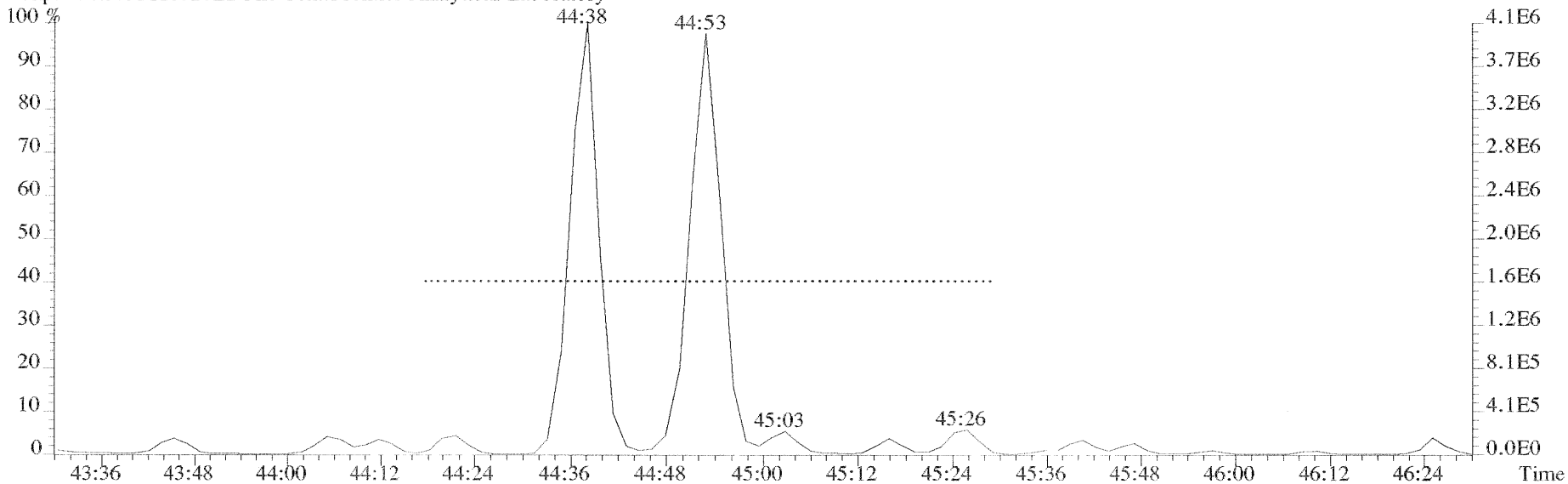




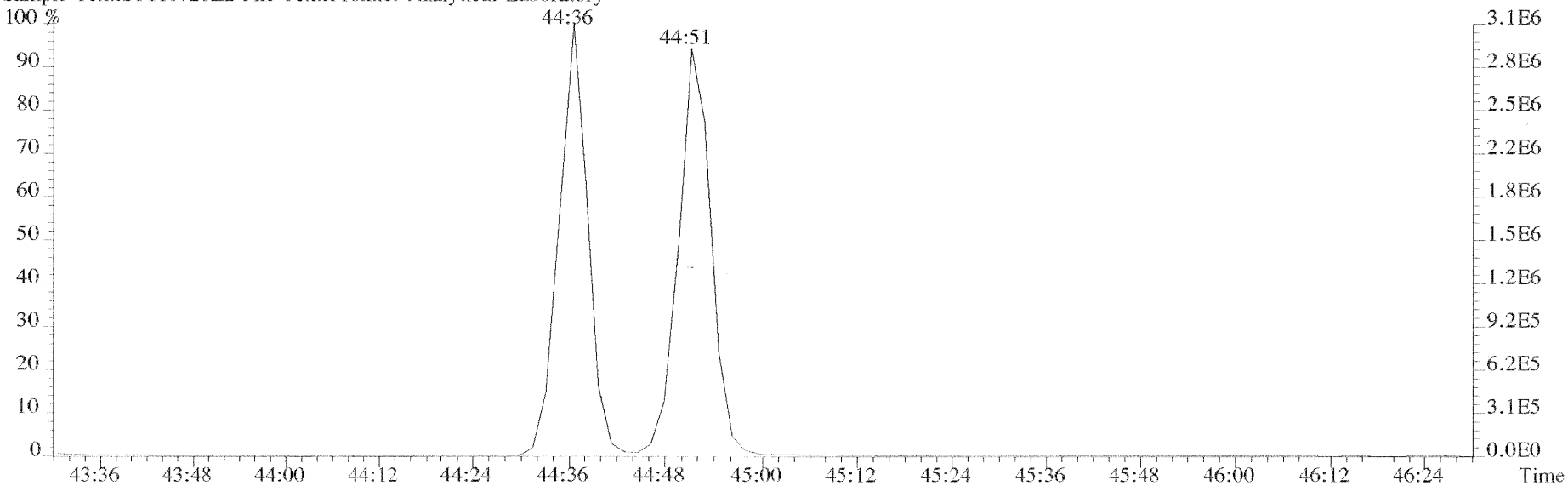




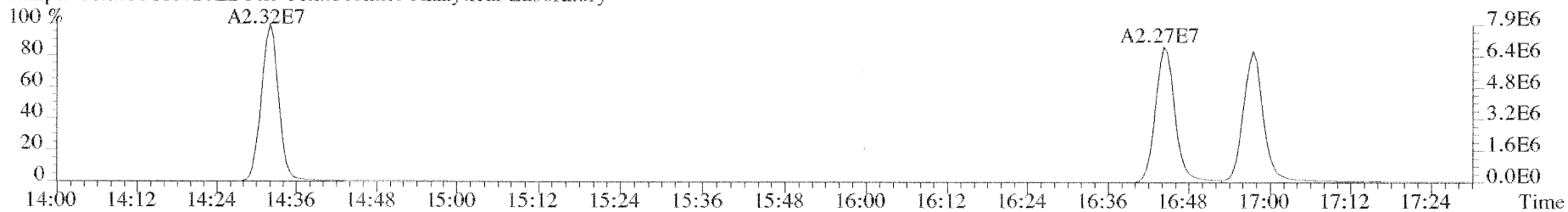
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



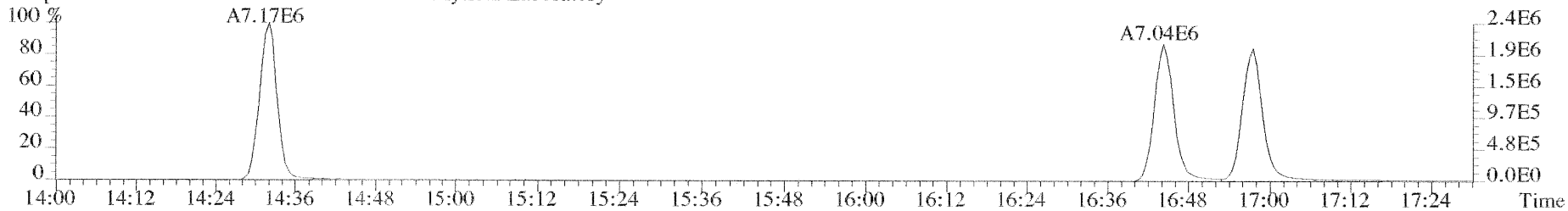
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



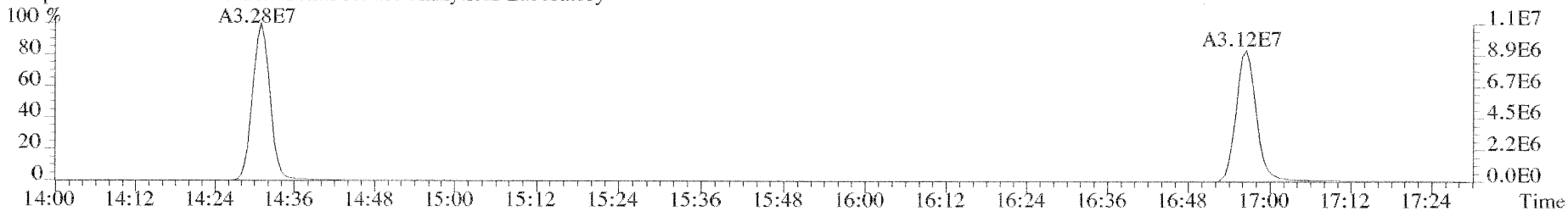
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



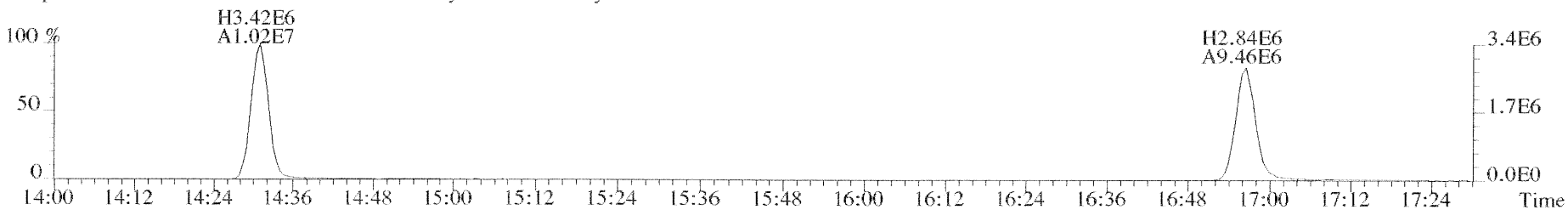
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



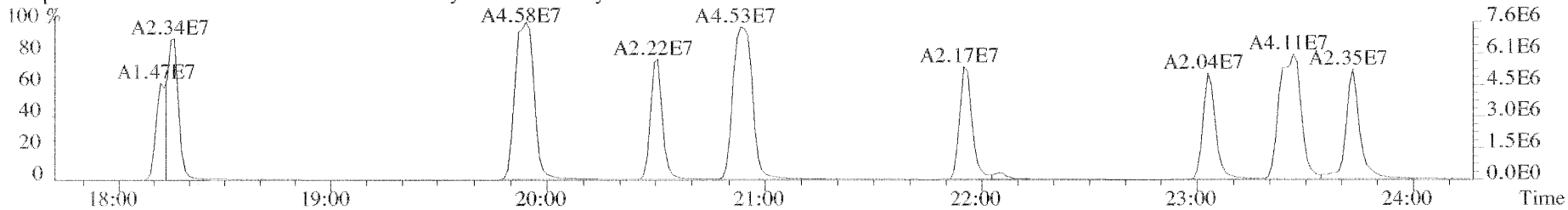
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



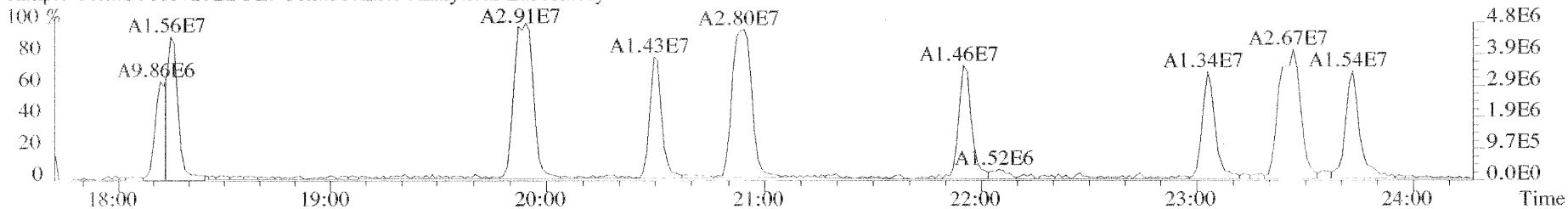
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



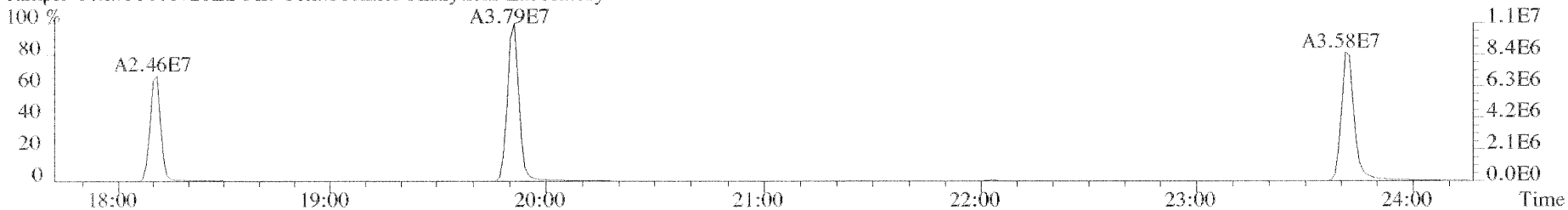
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



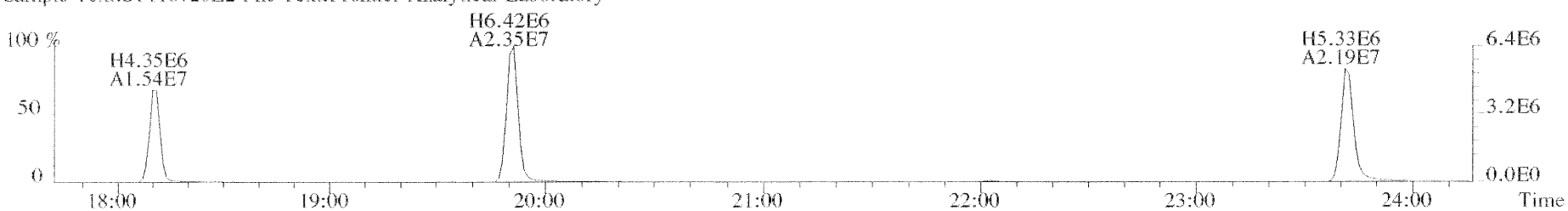
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



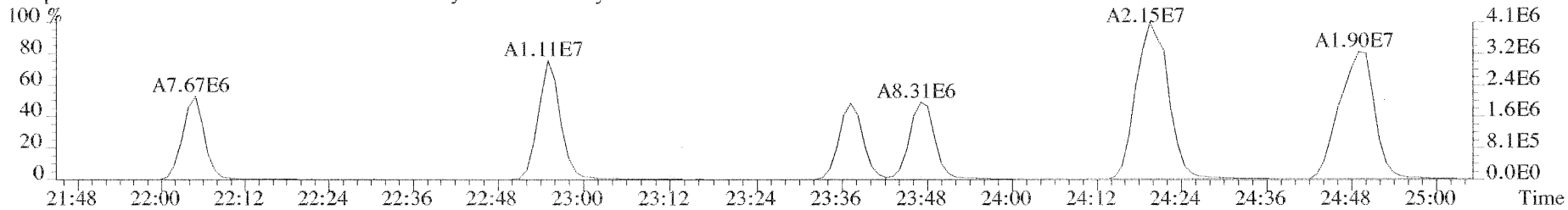
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



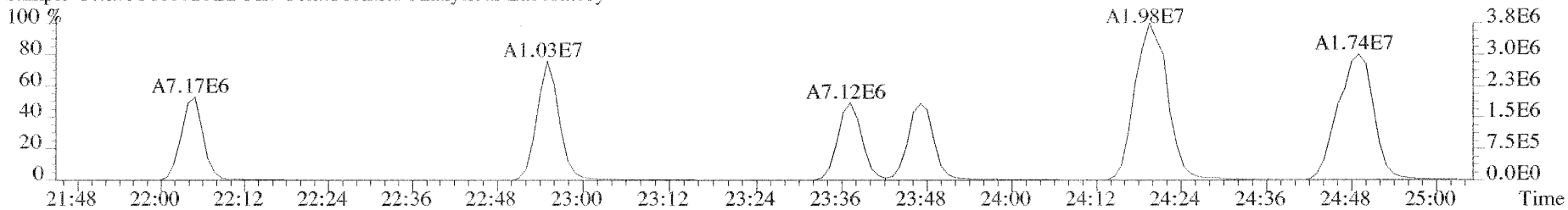
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



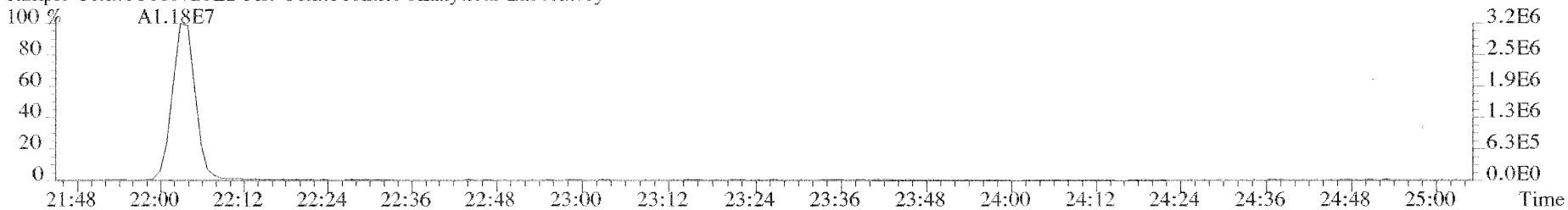
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



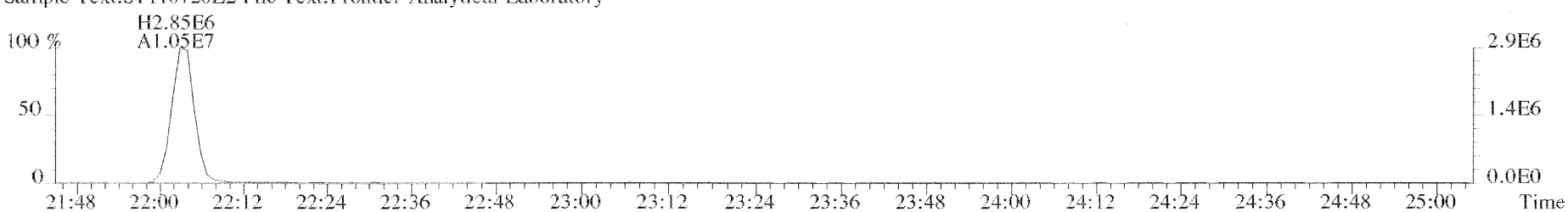
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



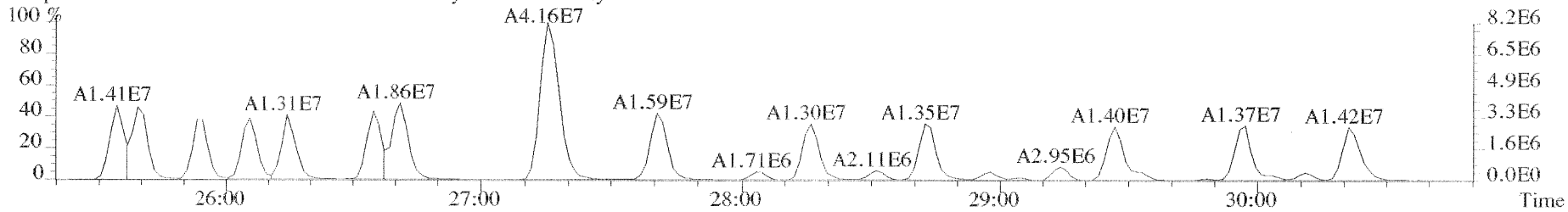
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



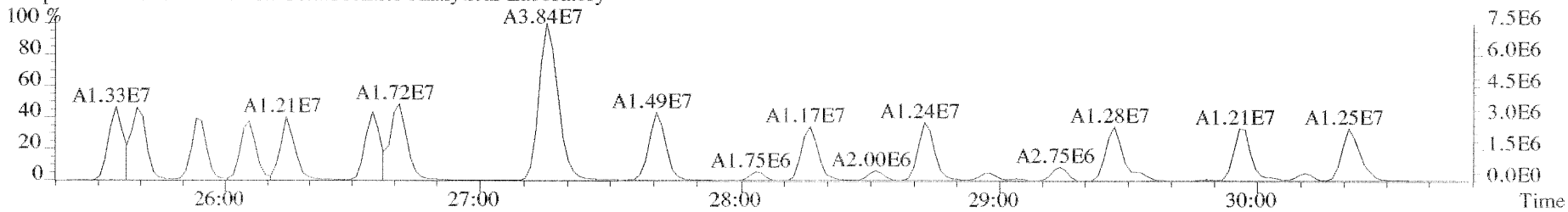
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



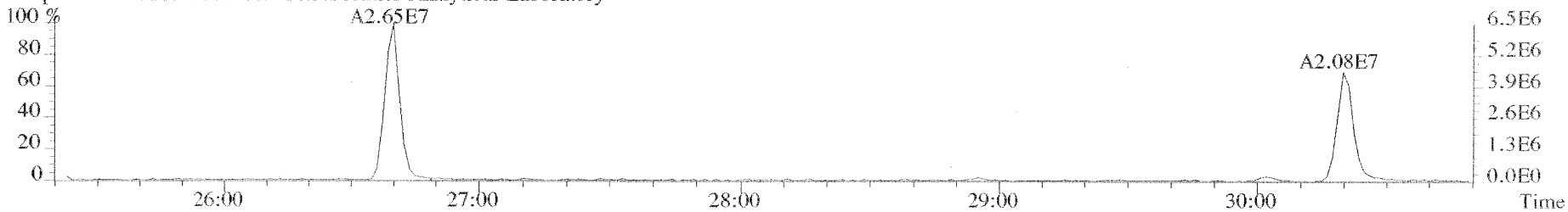
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



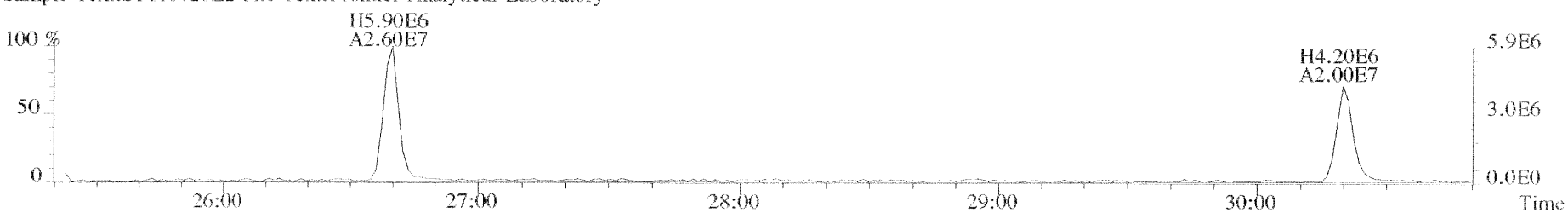
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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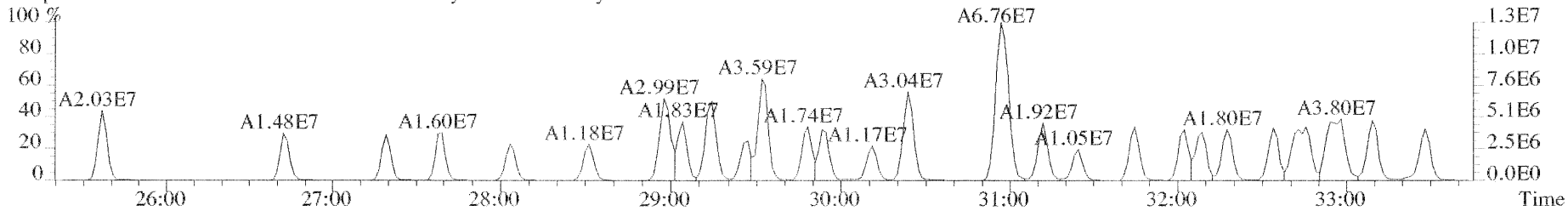
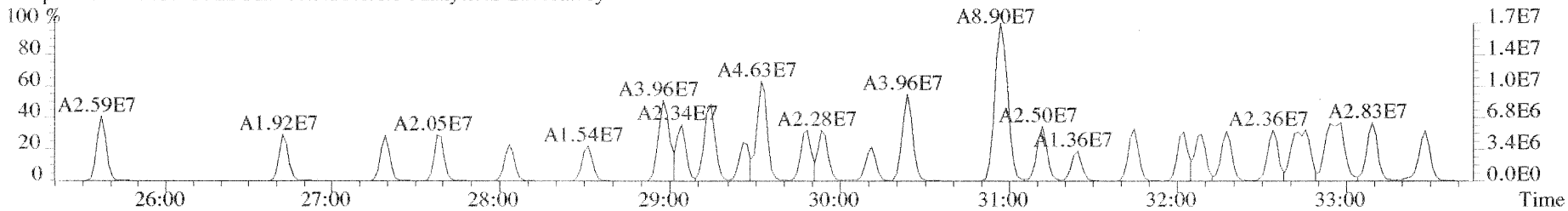
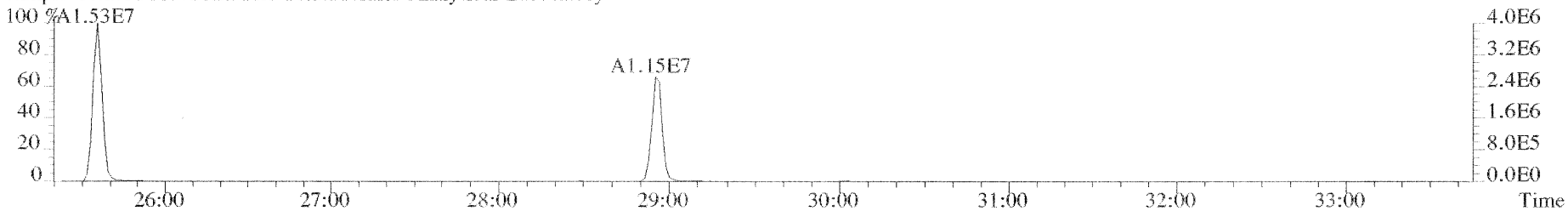
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



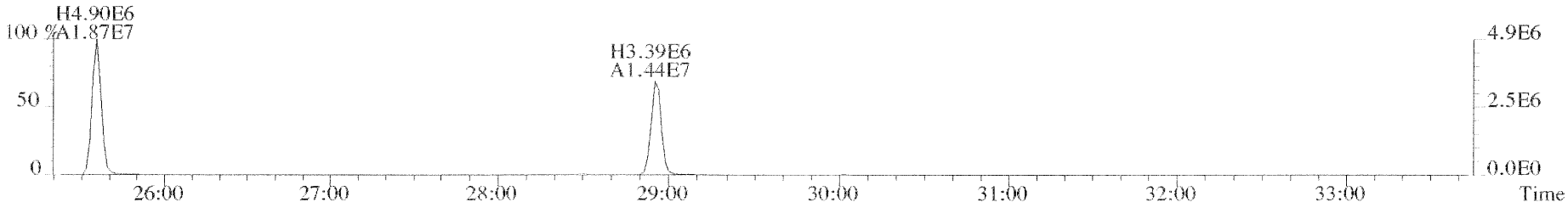
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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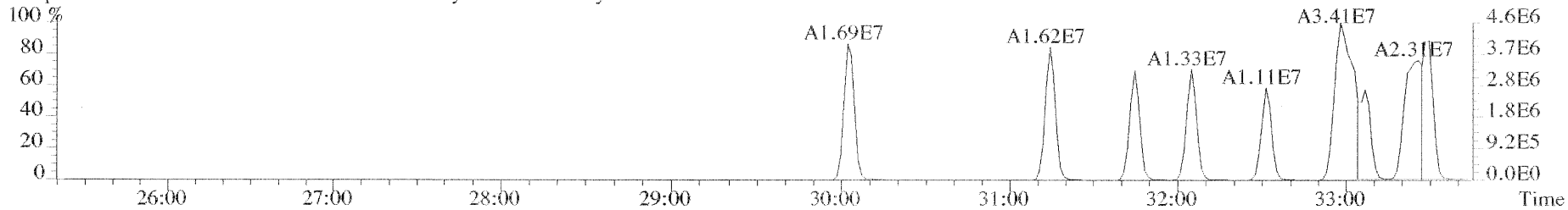
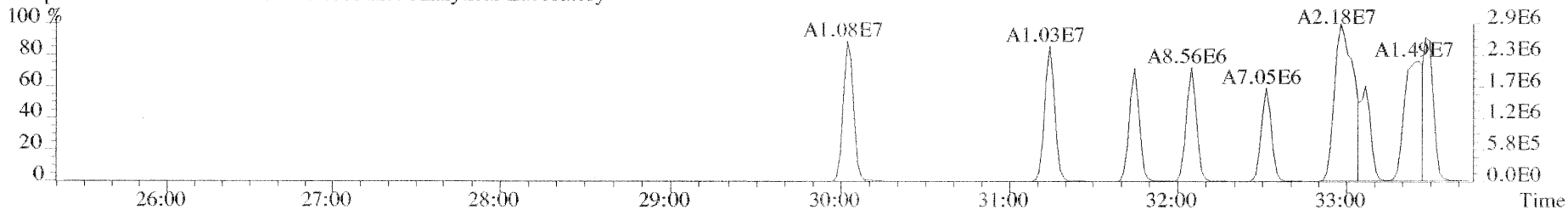
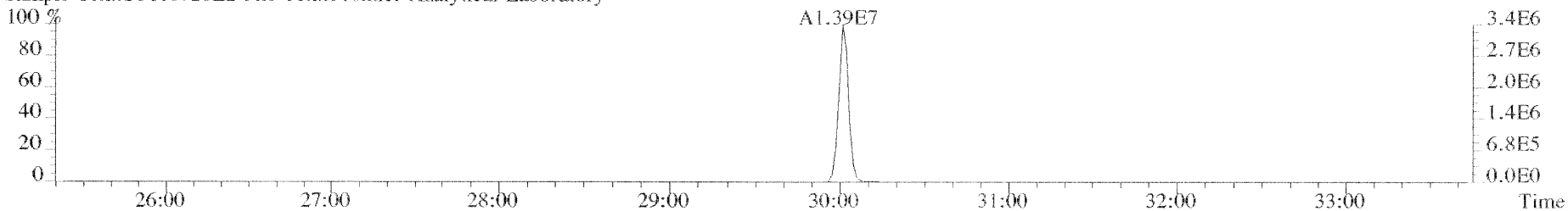
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



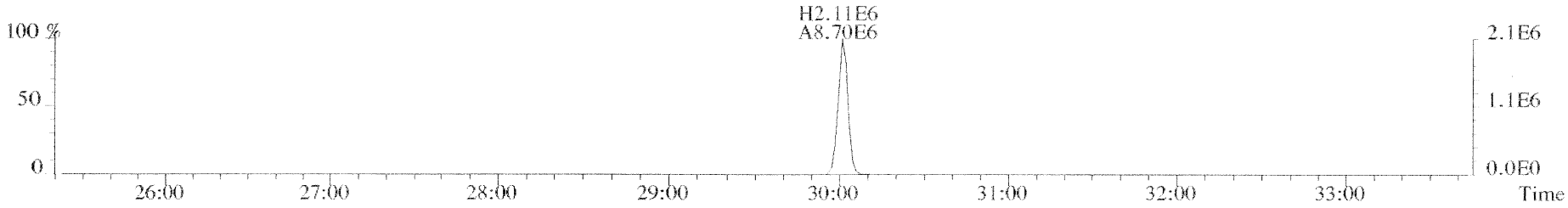
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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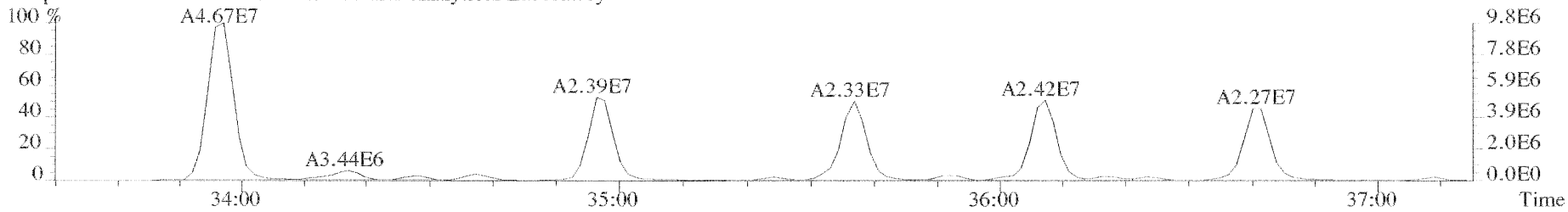
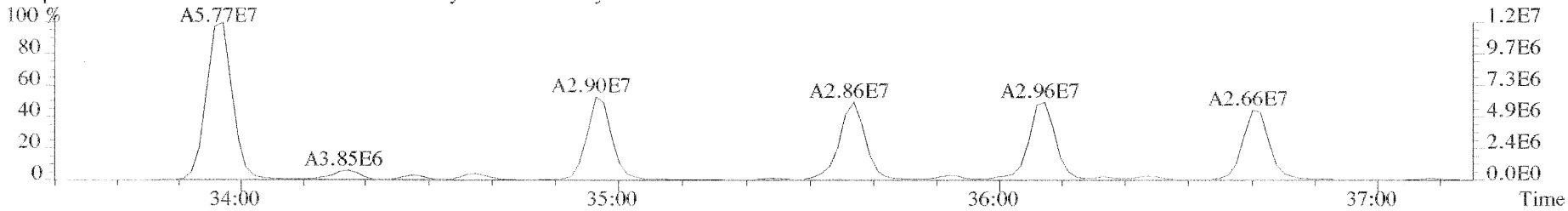
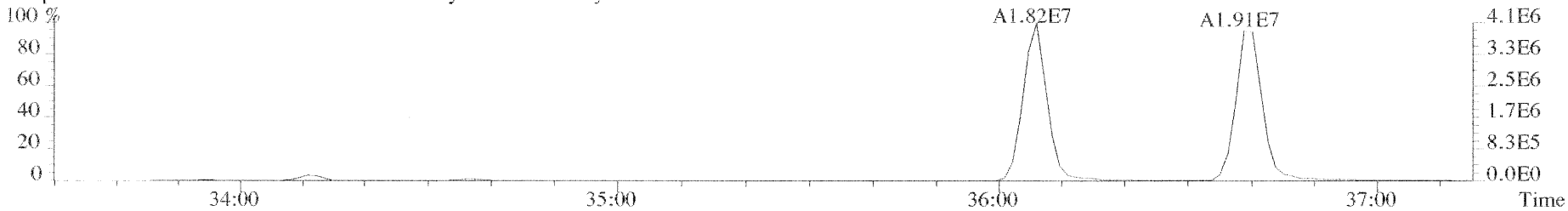
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



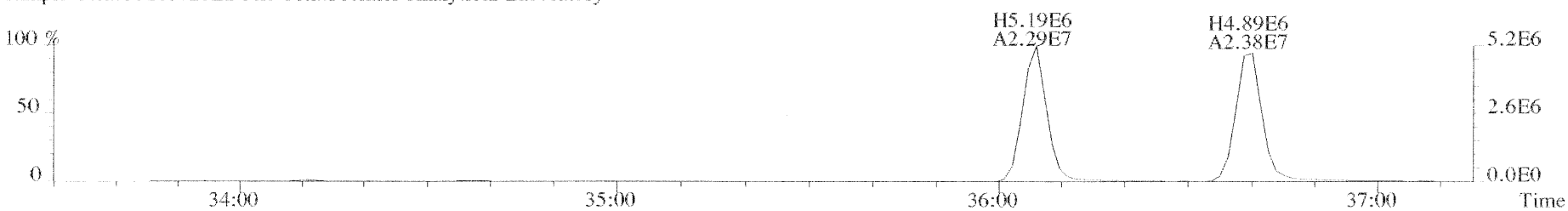
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



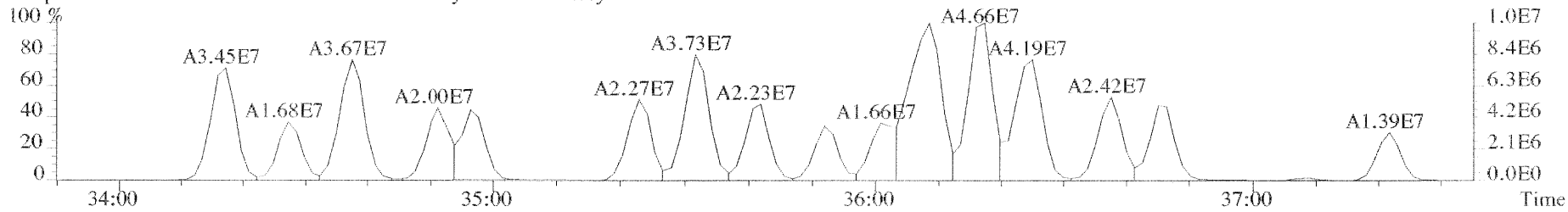
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



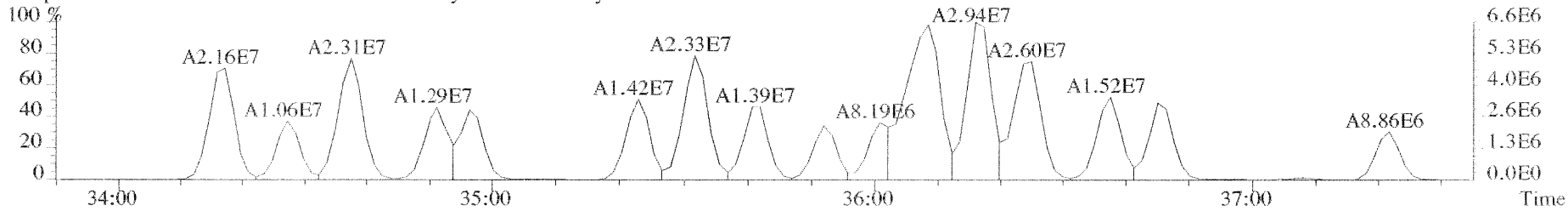
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



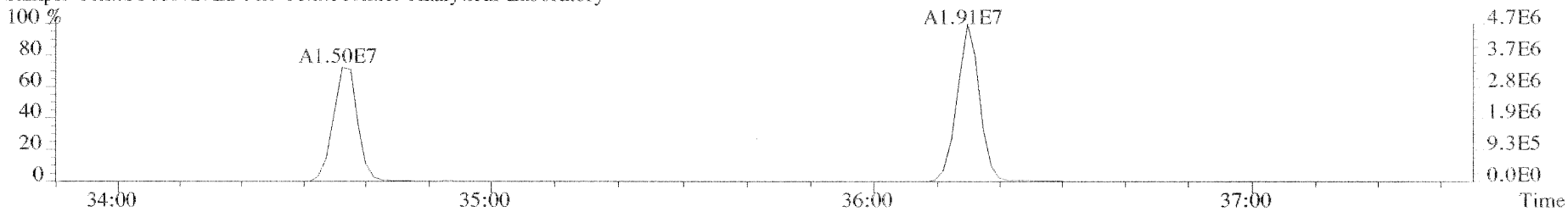
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



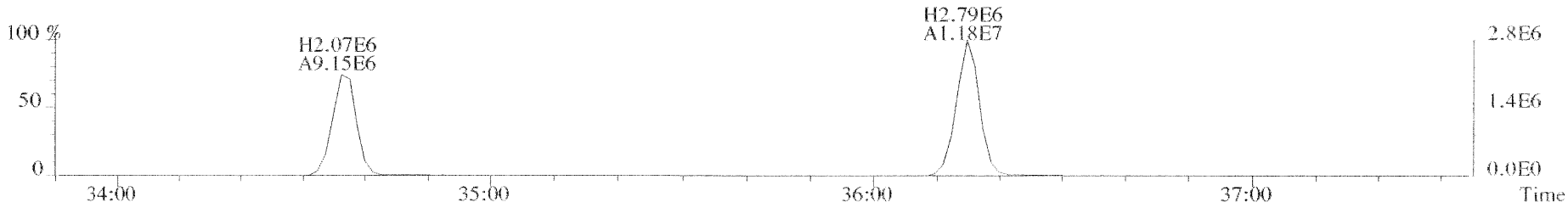
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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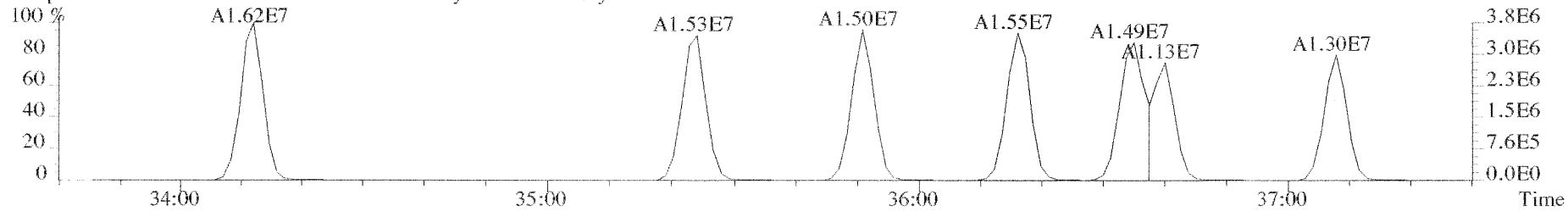
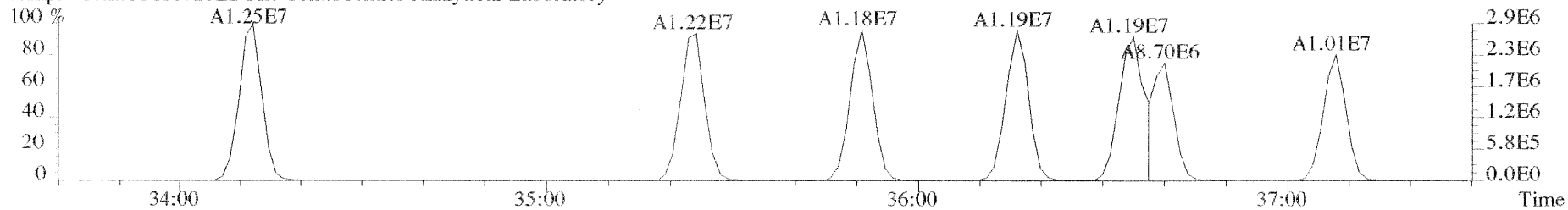
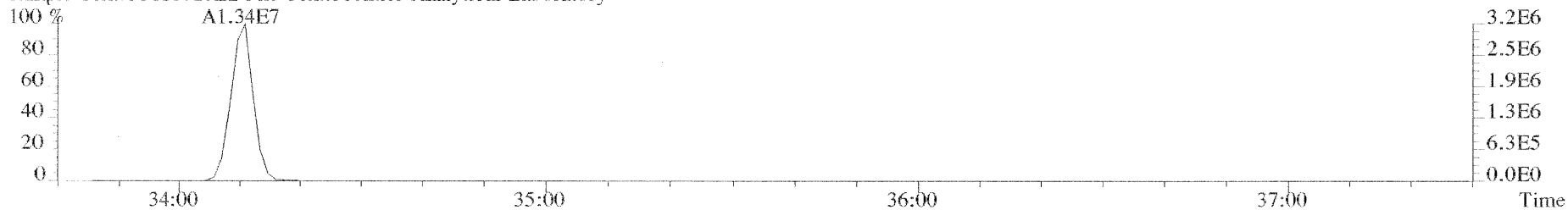
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



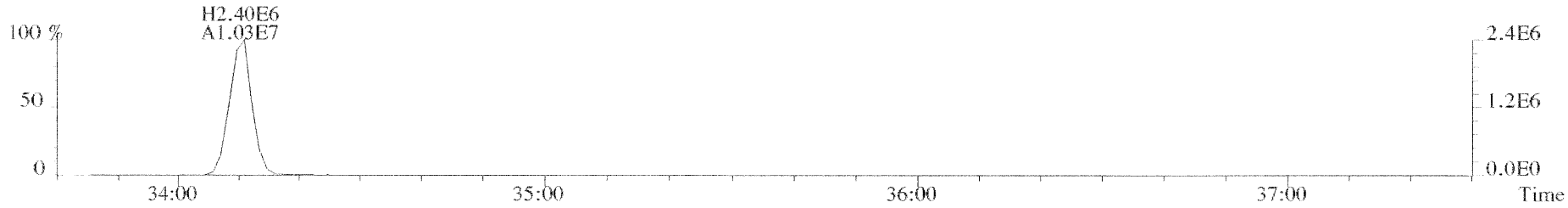
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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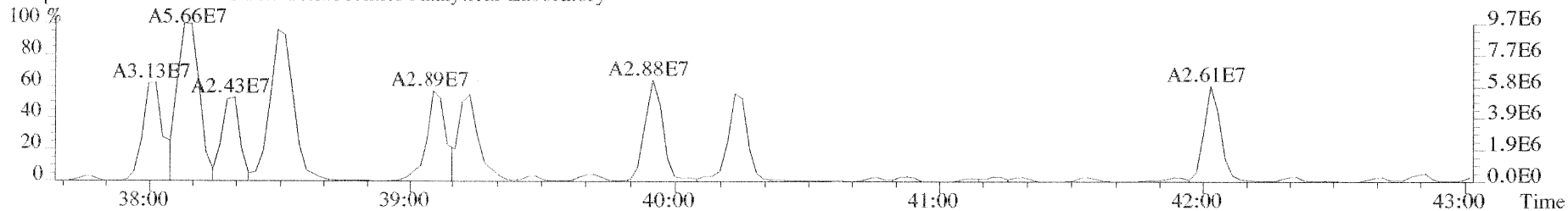
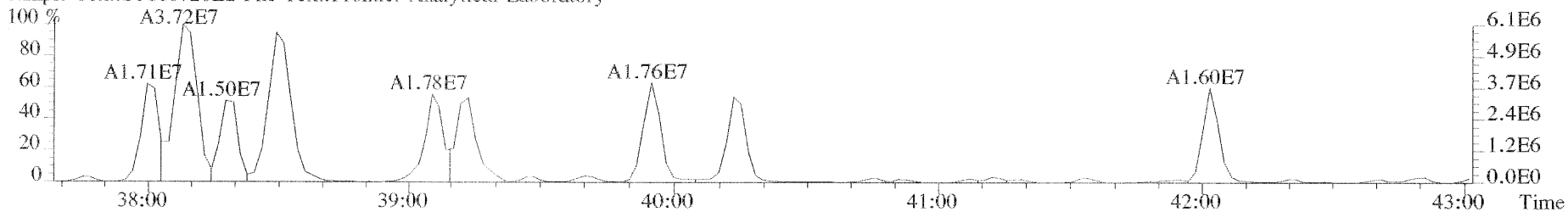
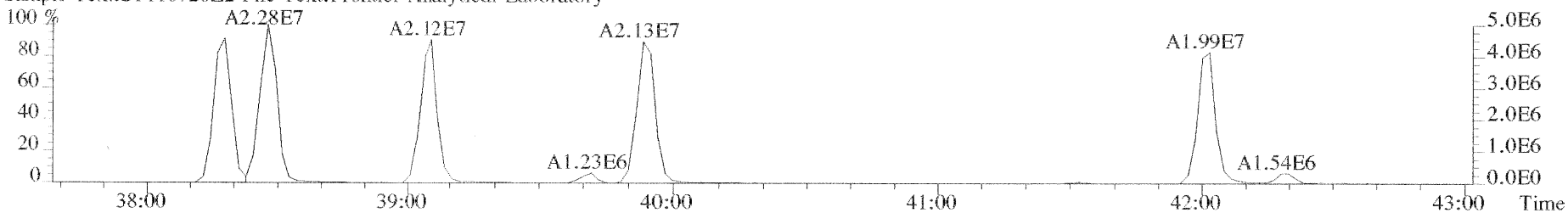
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



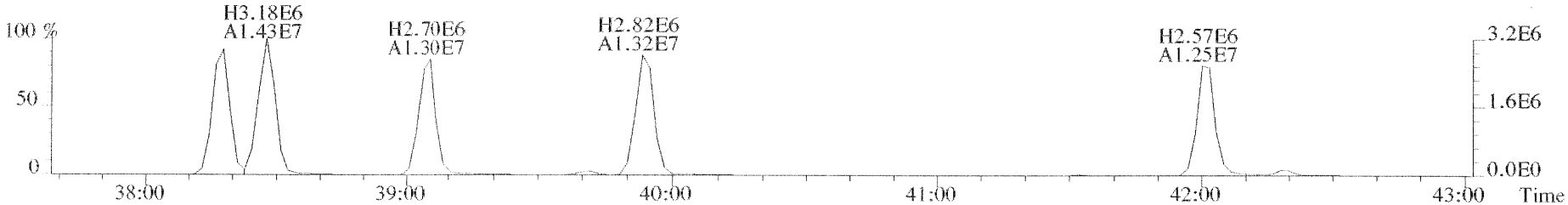
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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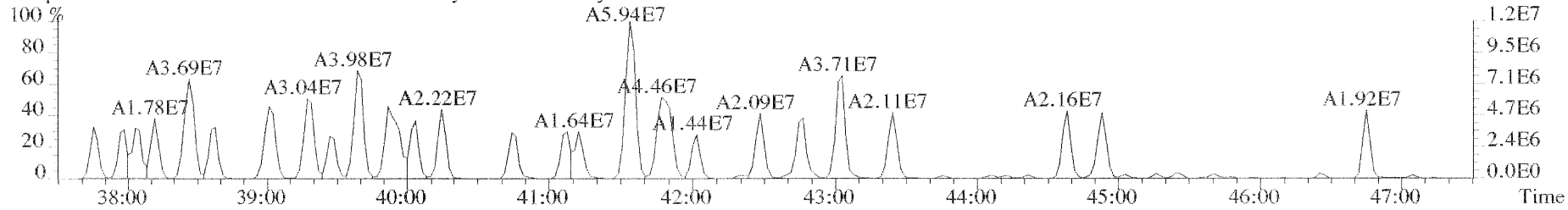
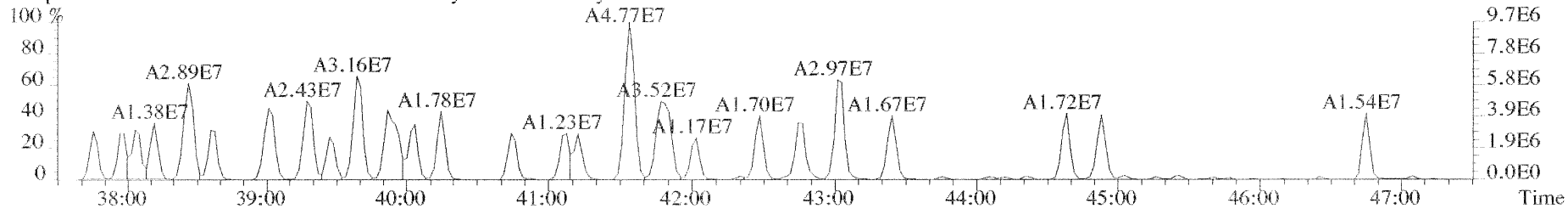
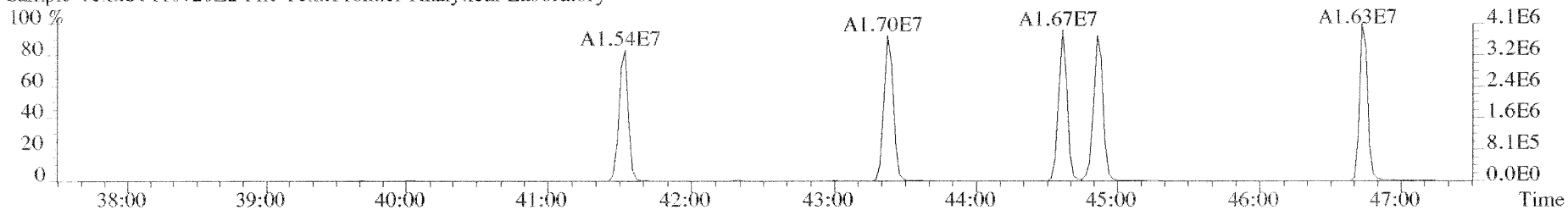
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



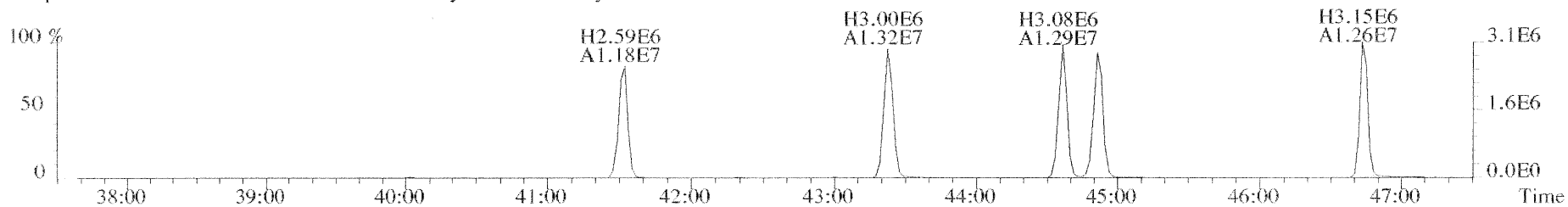
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

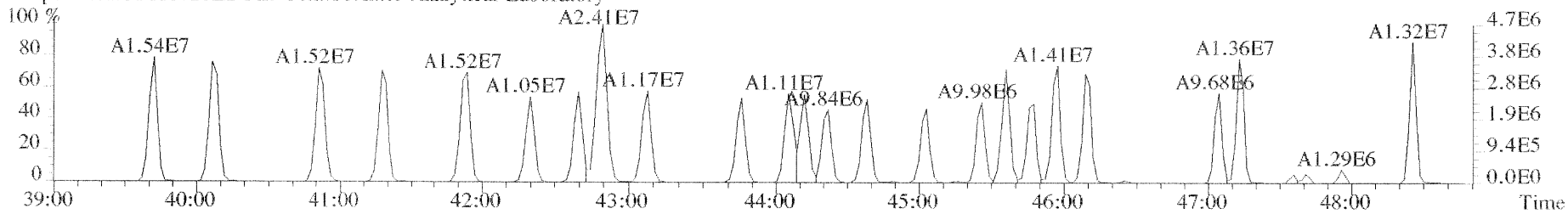


File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

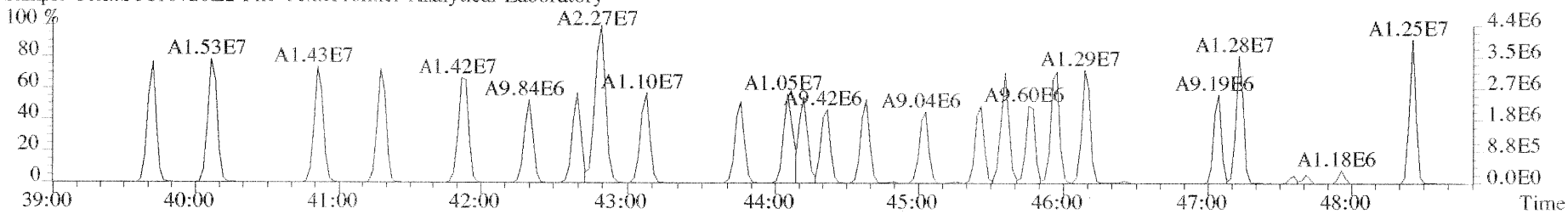


000338

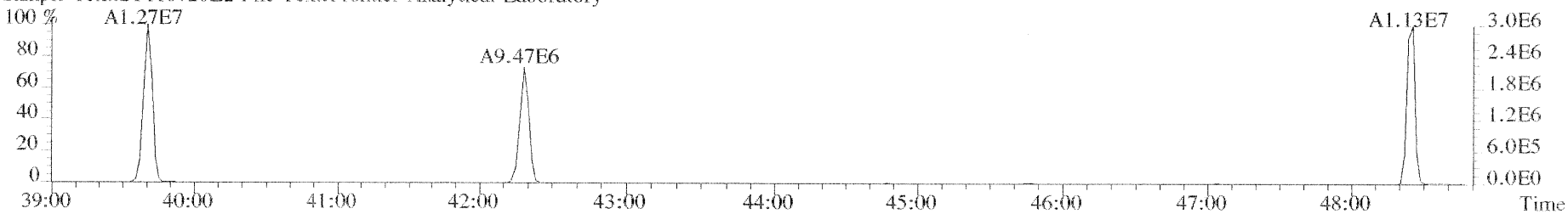
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



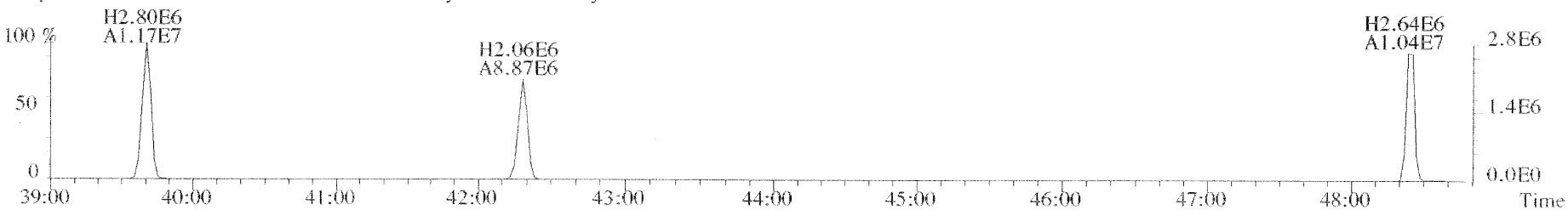
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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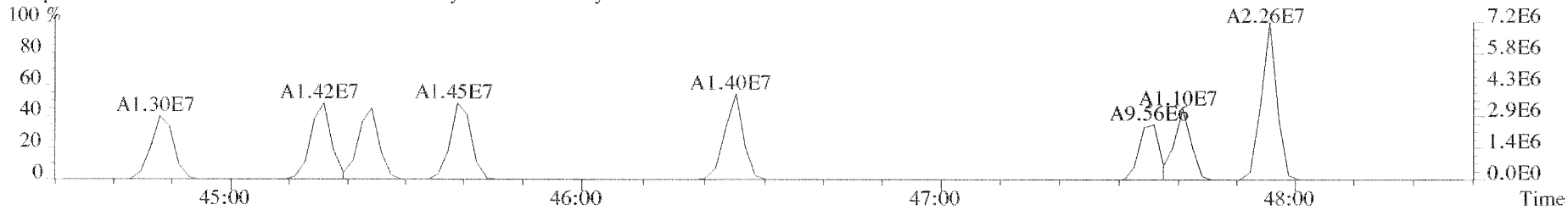
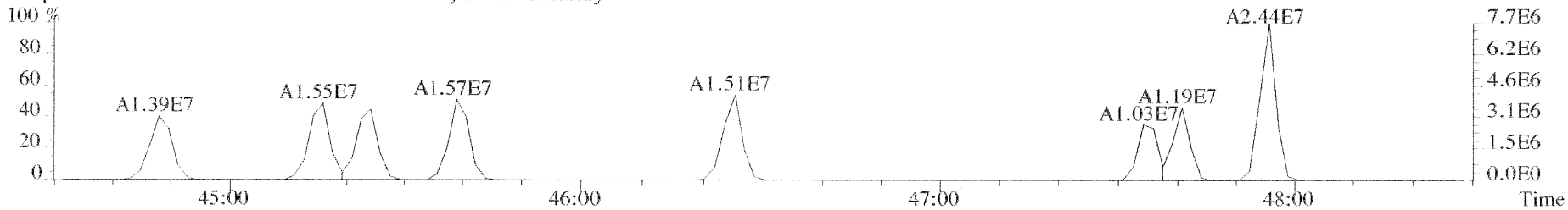
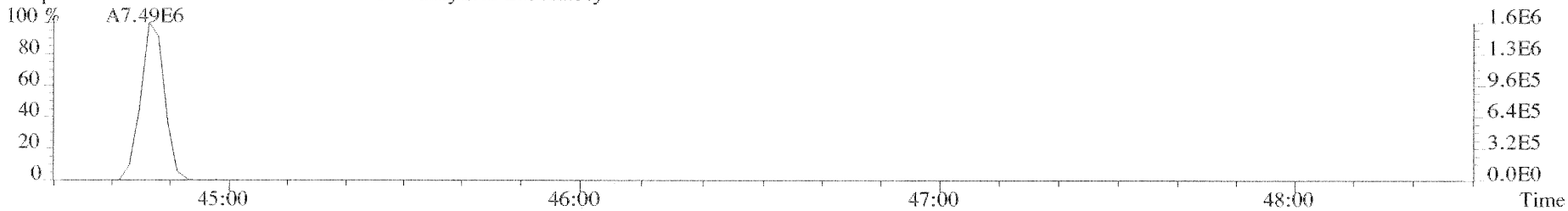
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



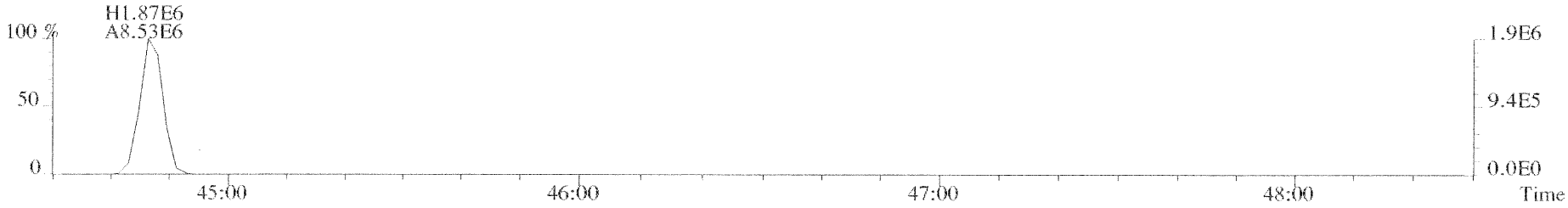
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



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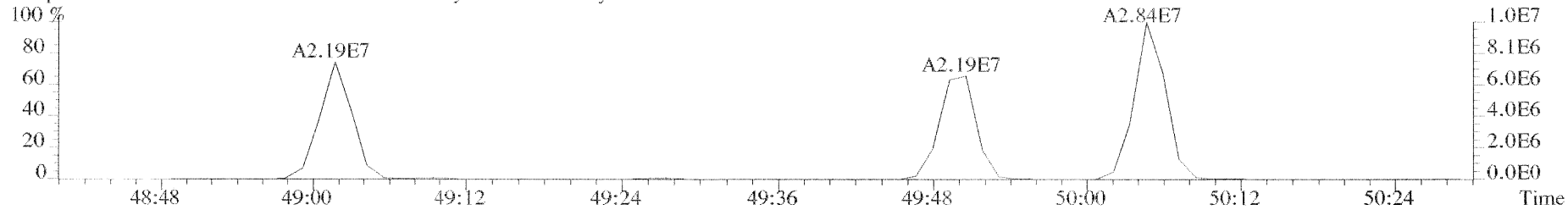
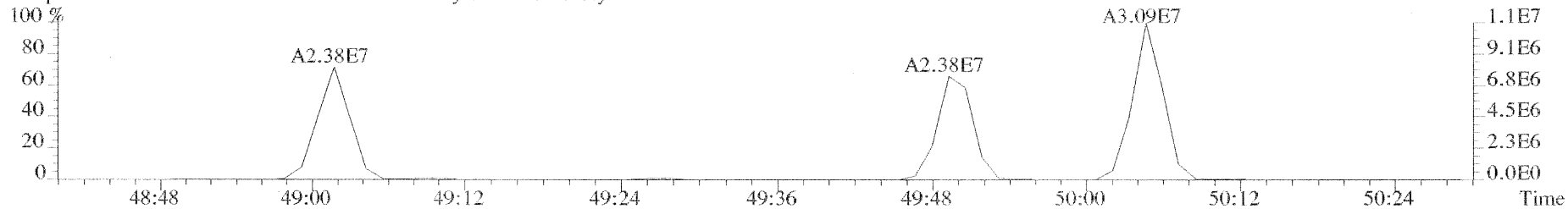
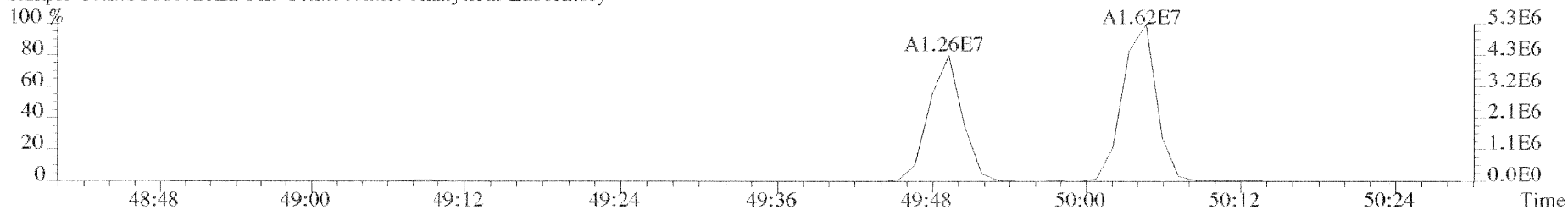
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



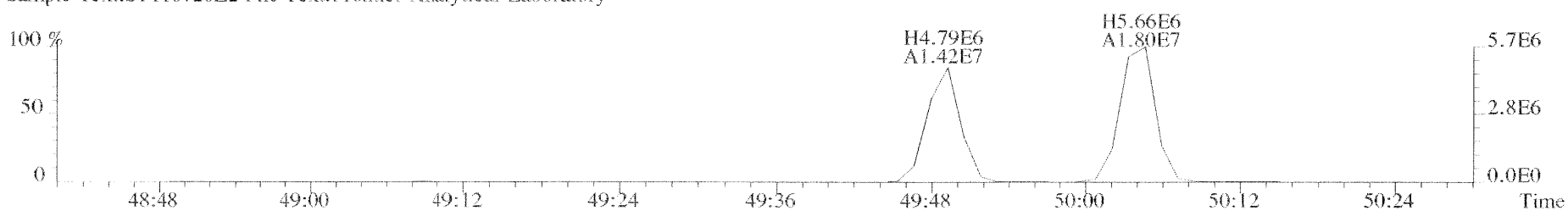
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

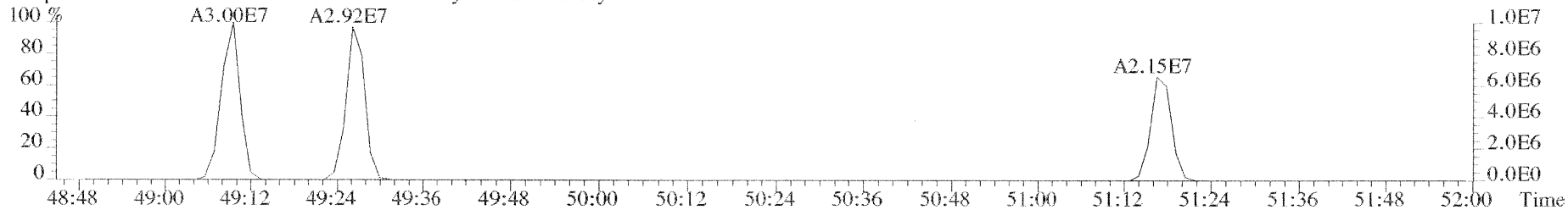


File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

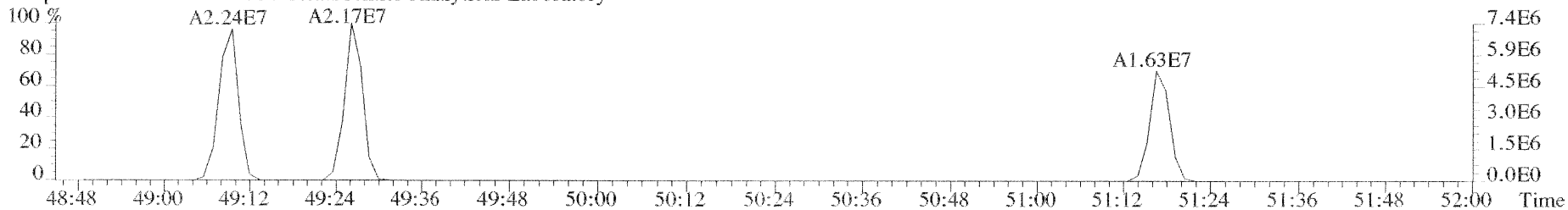


000341

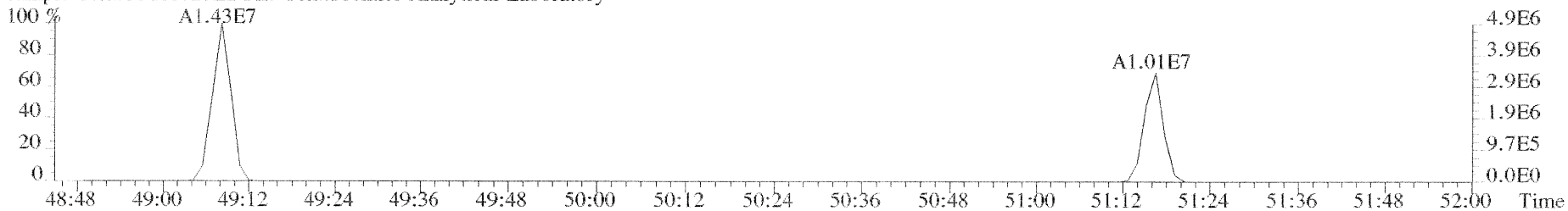
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



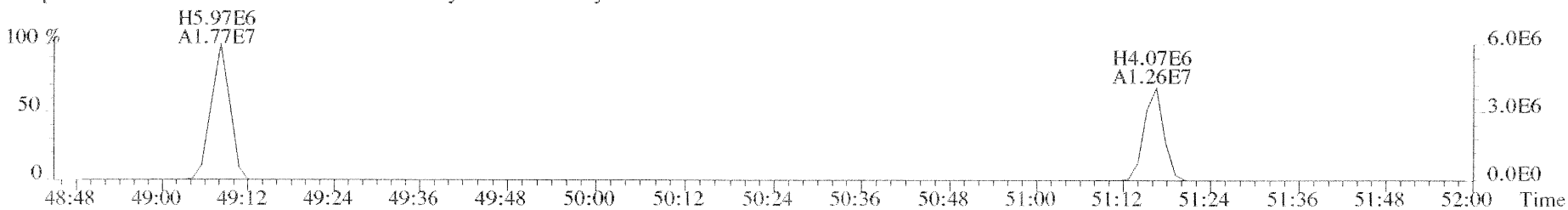
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

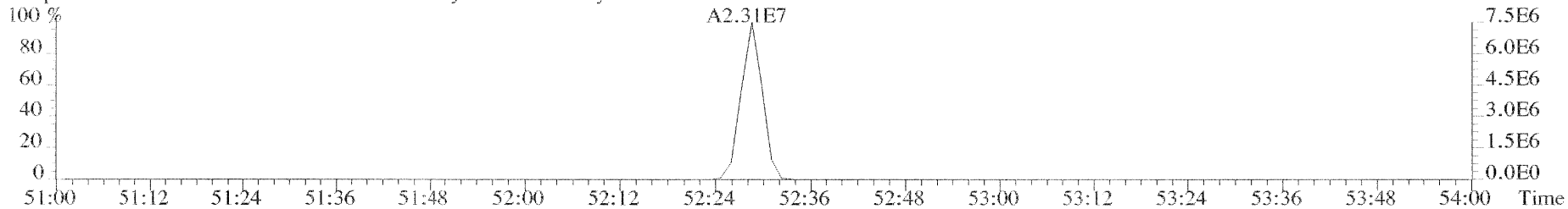


File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

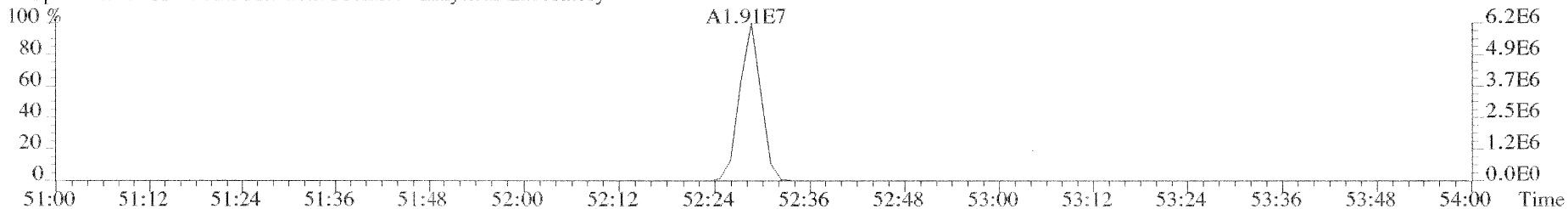


000342

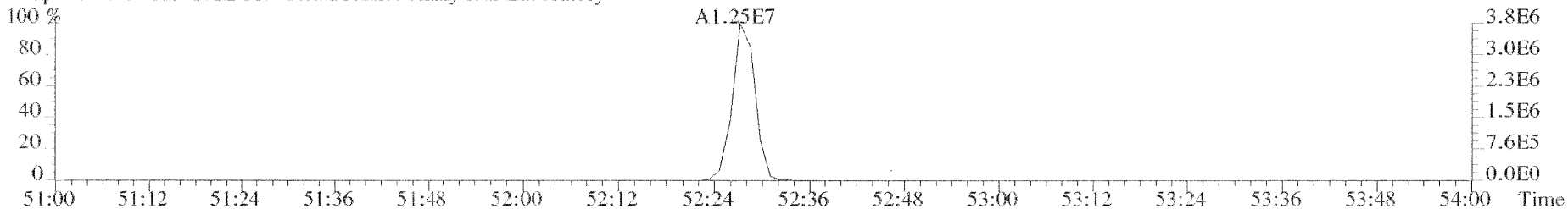
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



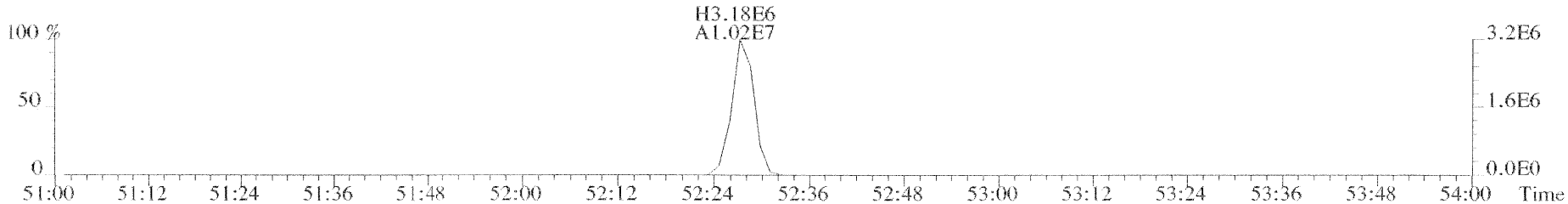
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



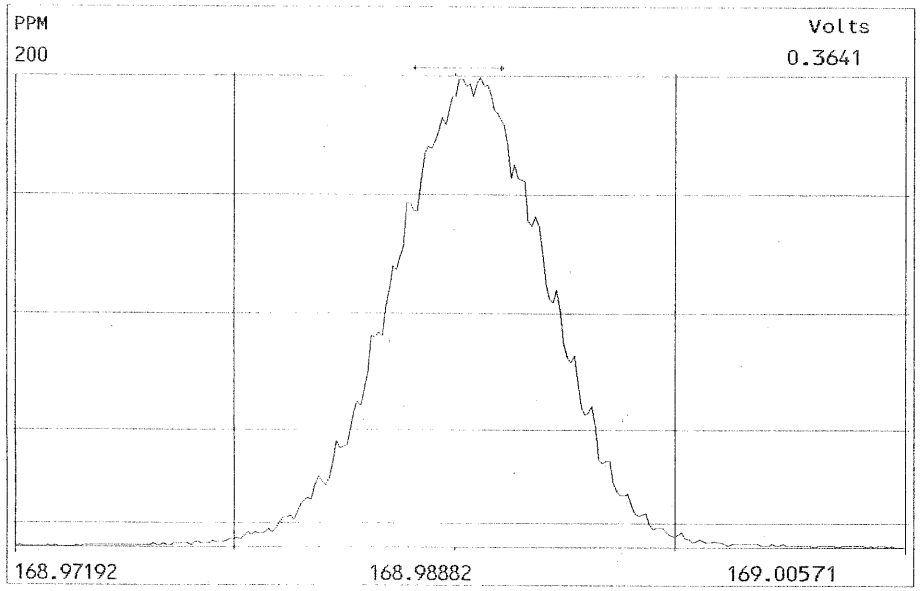
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

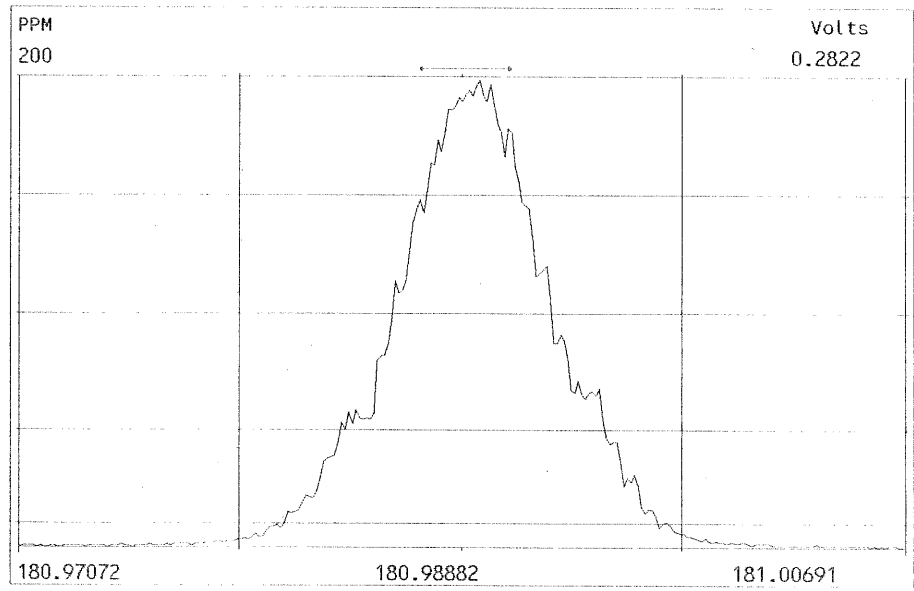


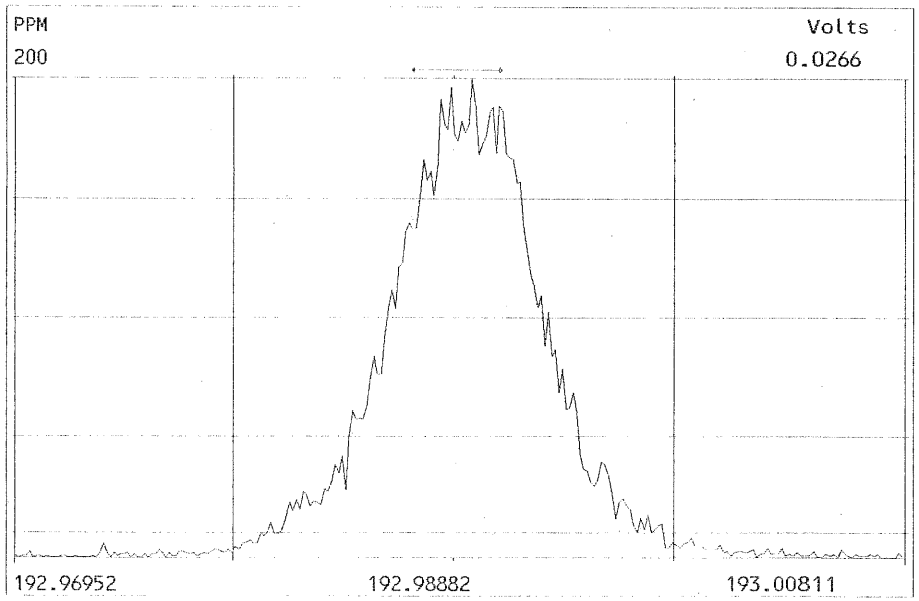
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

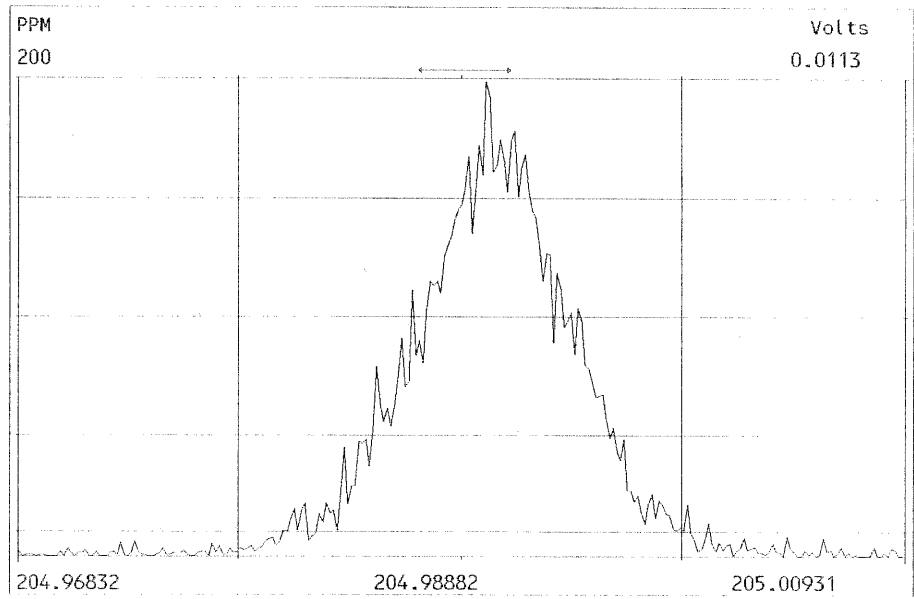


Peak Locate Examination: 7-NOV-2020:22:35 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



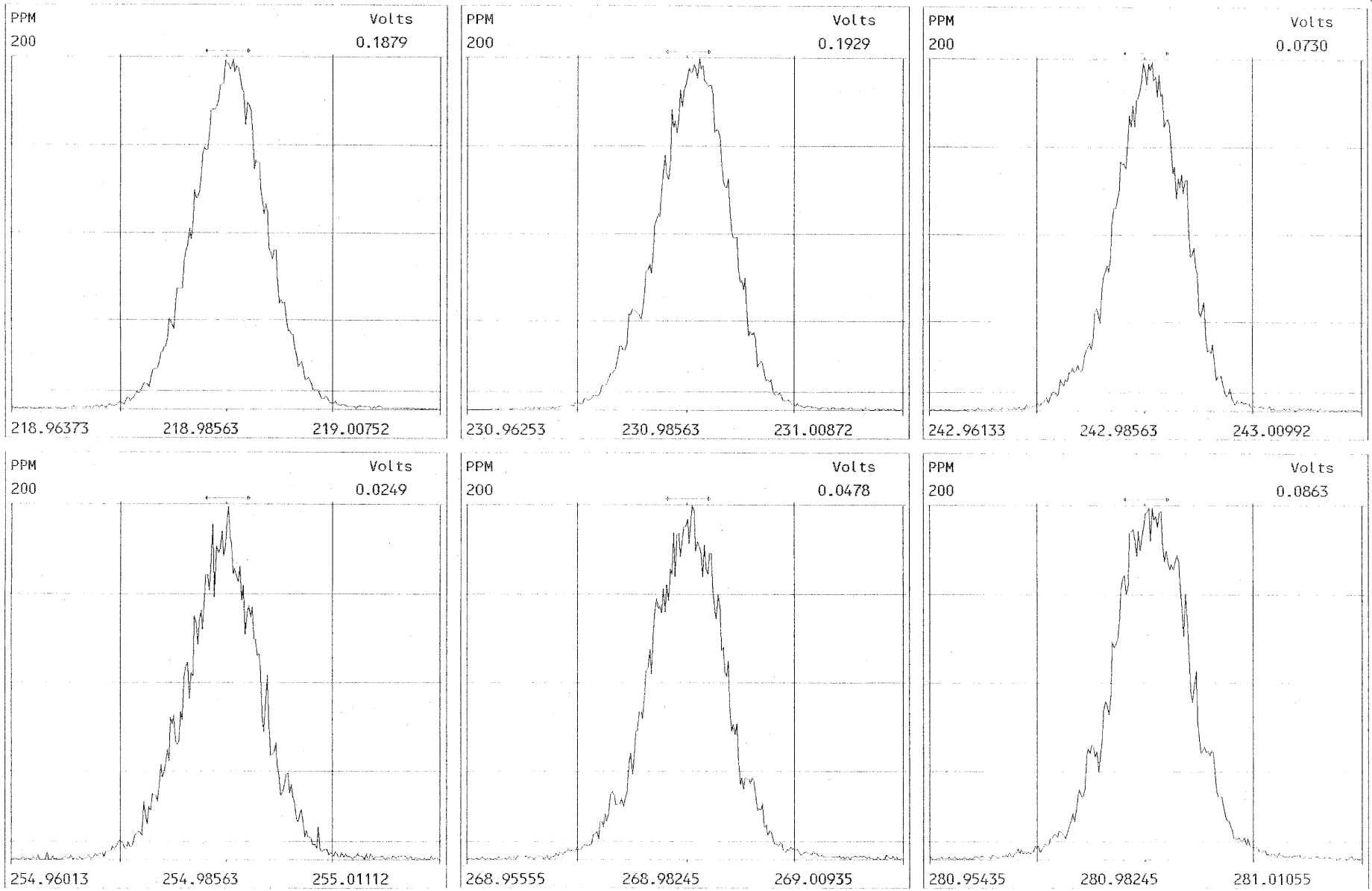






Peak Locate Examination: 7-NOV-2020:22:38 File:07NOV20Z_RES_CHECK

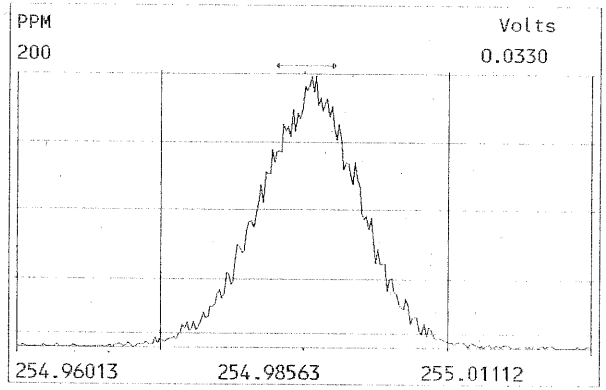
Experiment:1668PCB Function:2 Reference:PFK

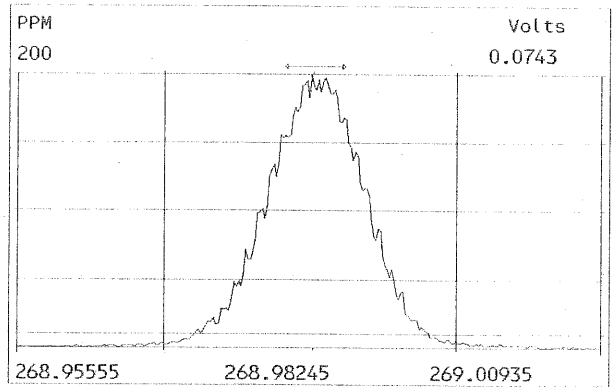


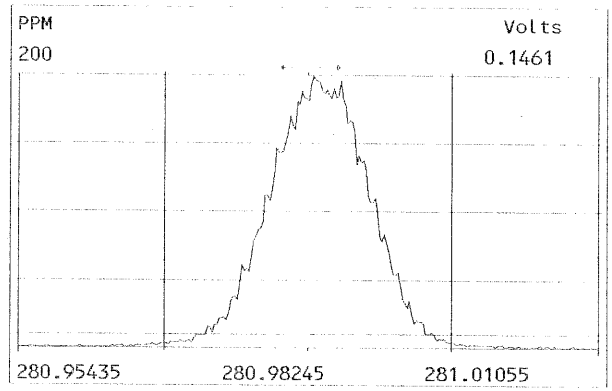
000345

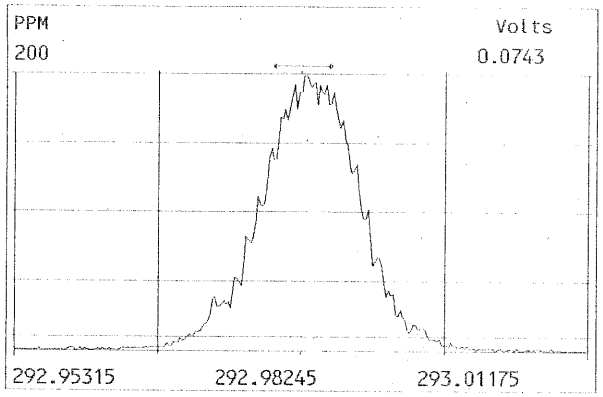
Peak Locate Examination: 7-NOV-2020:22:40 File:07NOV20Z_RES_CHECK

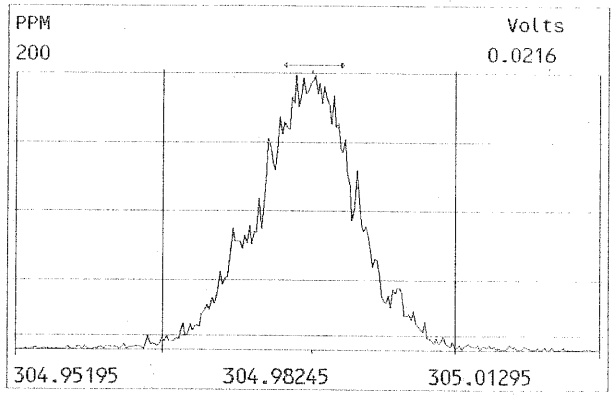
Experiment:1668PCB Function:3 Reference:PFK

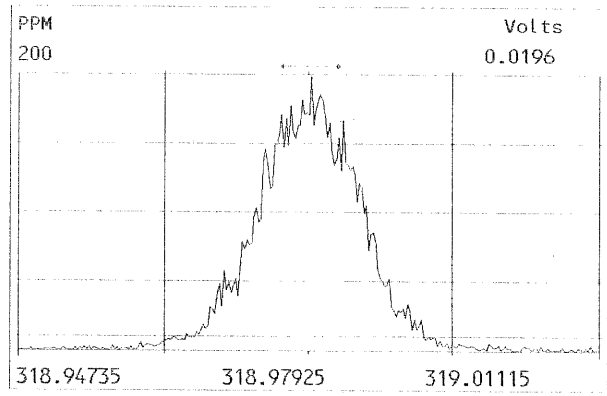


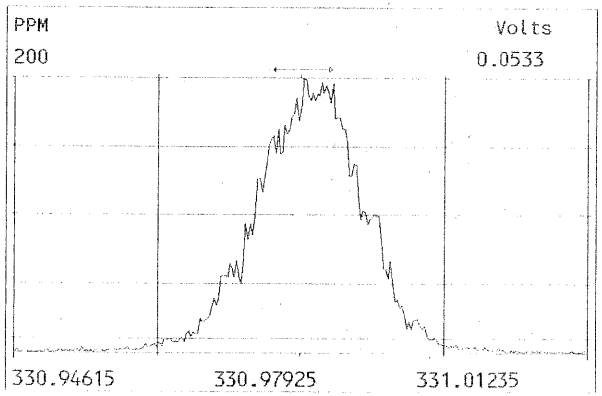


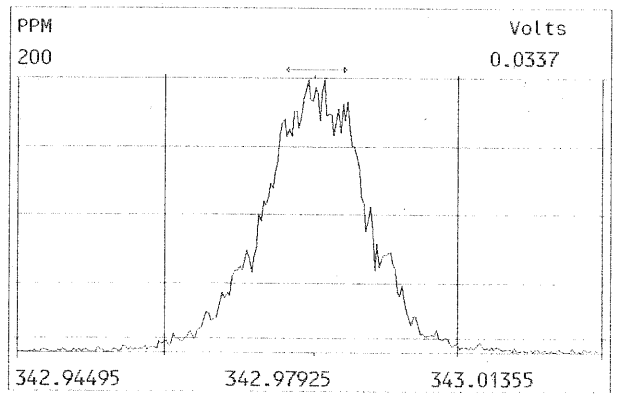






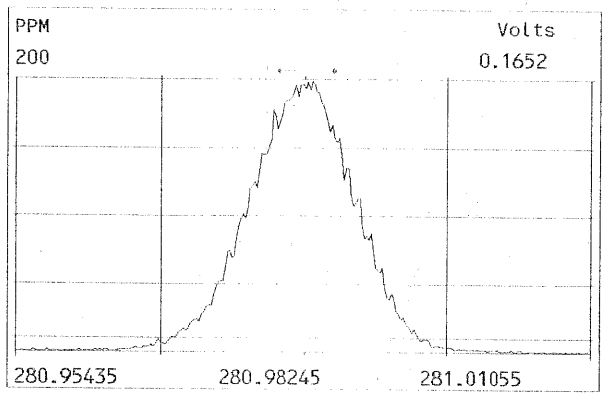


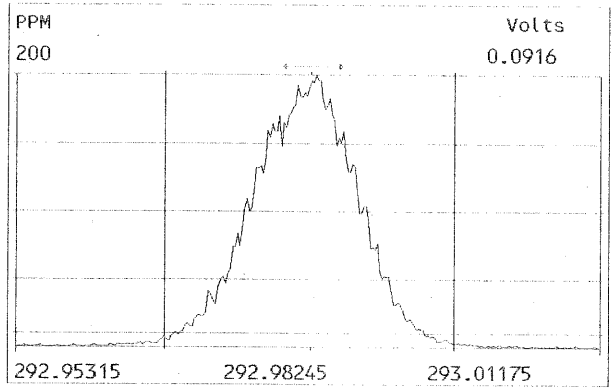


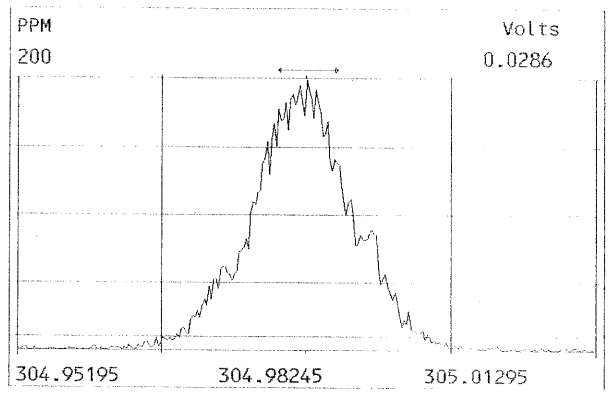


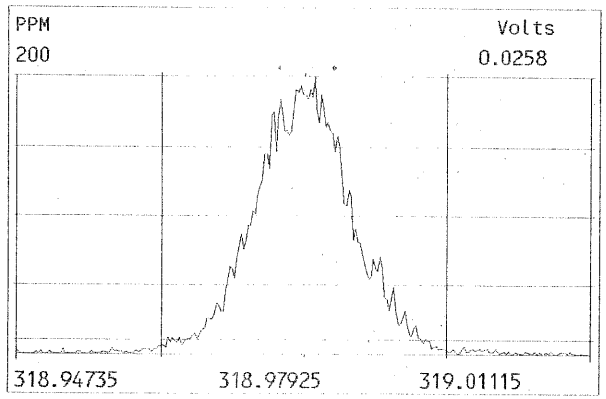
Peak Locate Examination: 7-NOV-2020:22:42 File:07NOV20Z_RES_CHECK

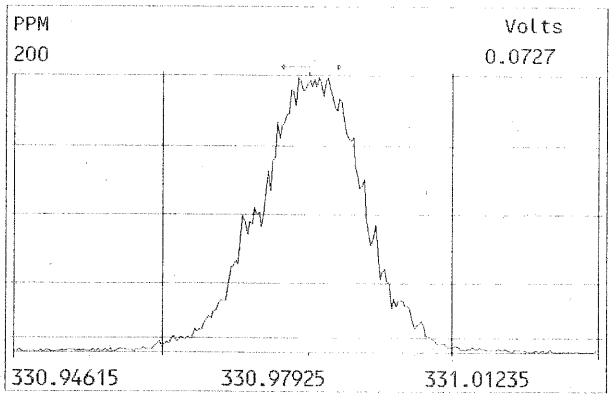
Experiment:1668PCB Function:4 Reference:PFK

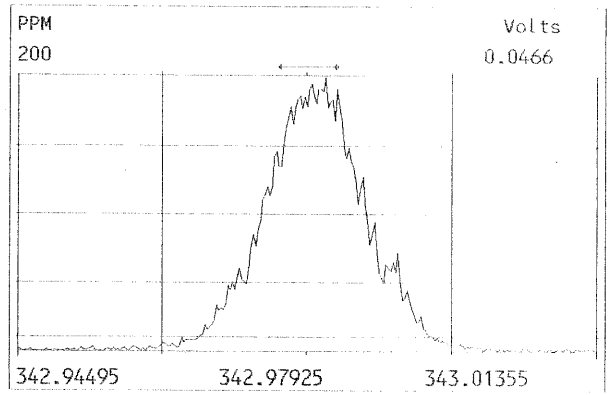


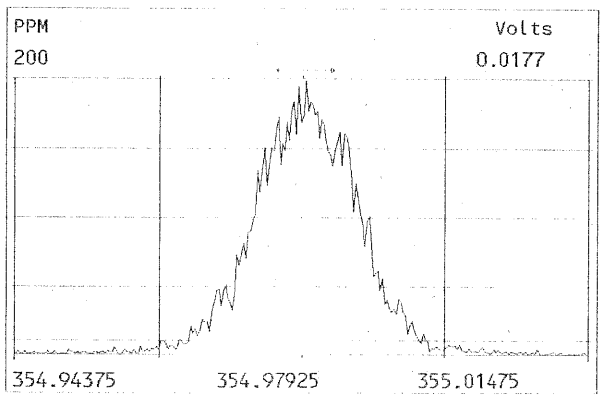


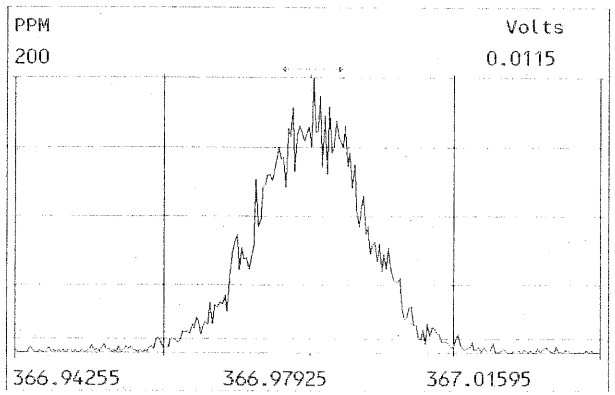


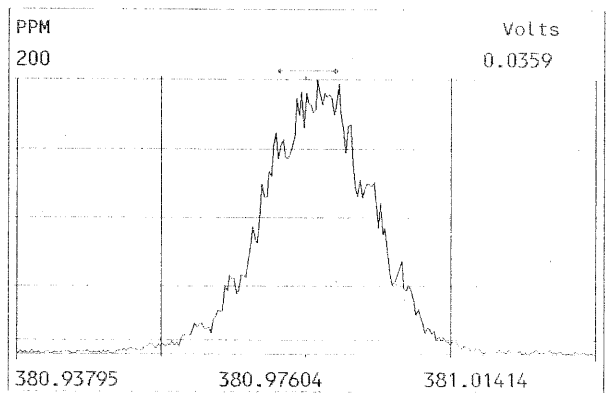












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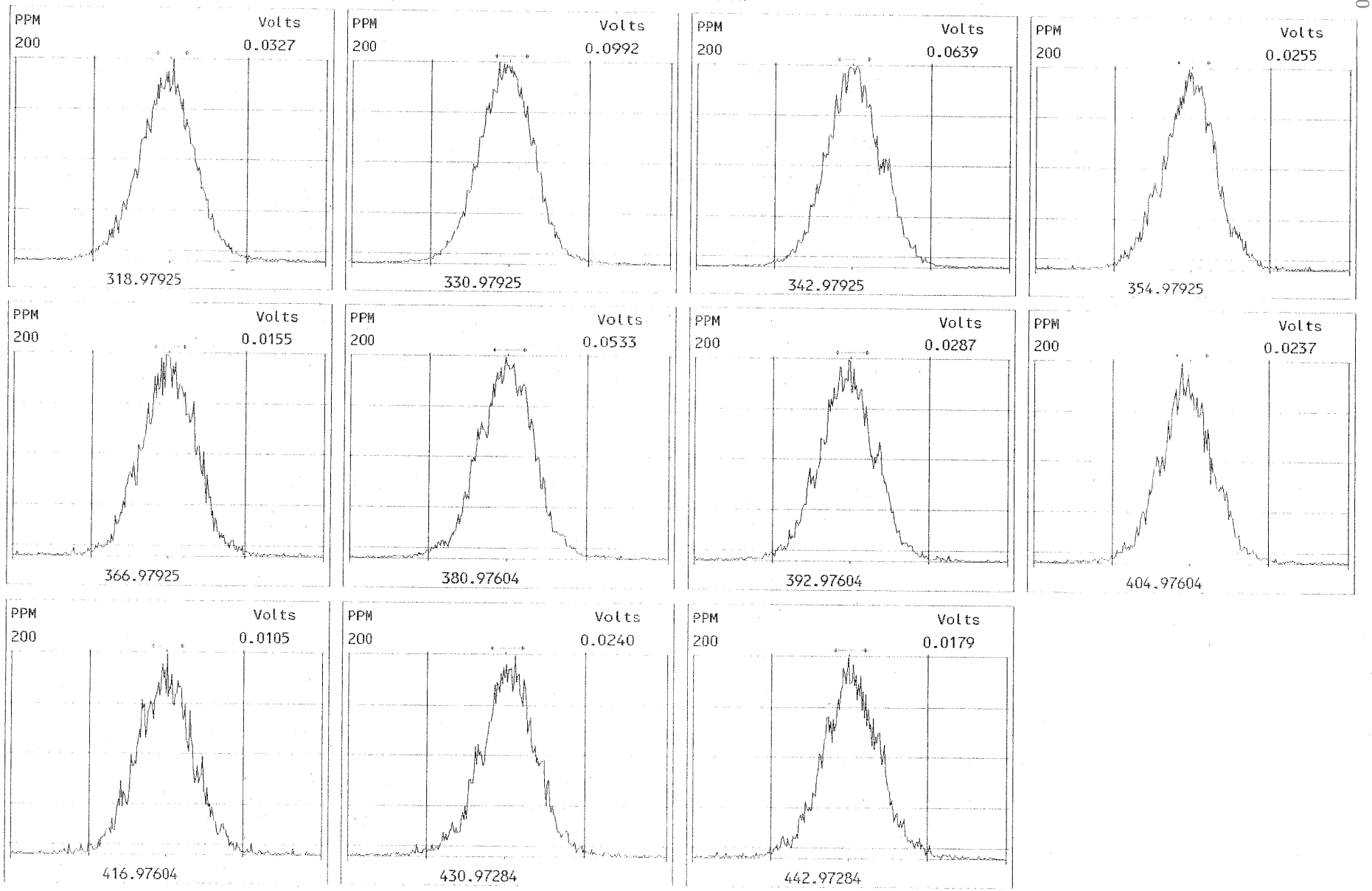
Experiment:1668PCB Function:5 Reference:PFK



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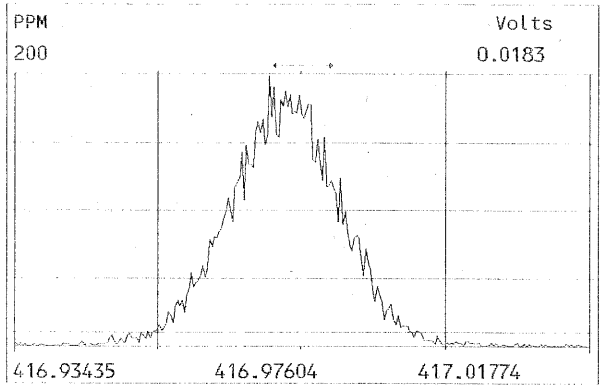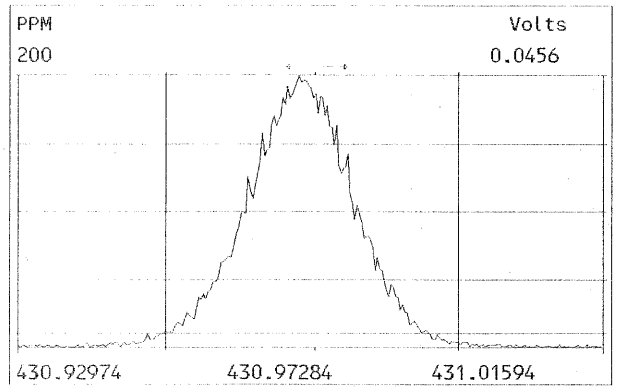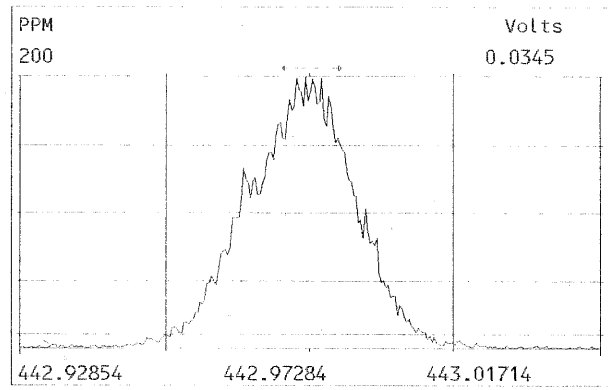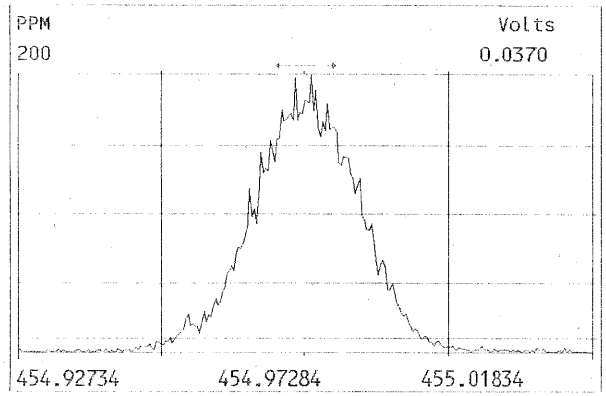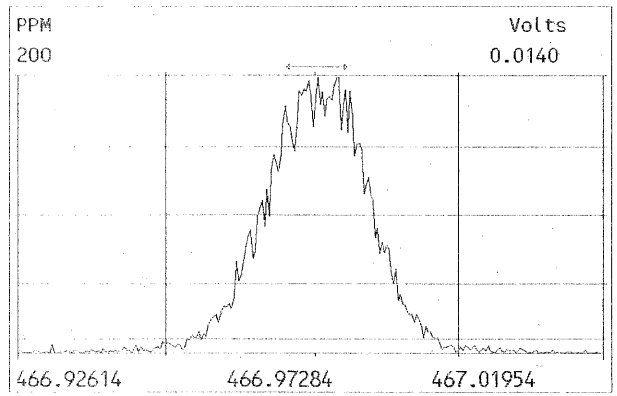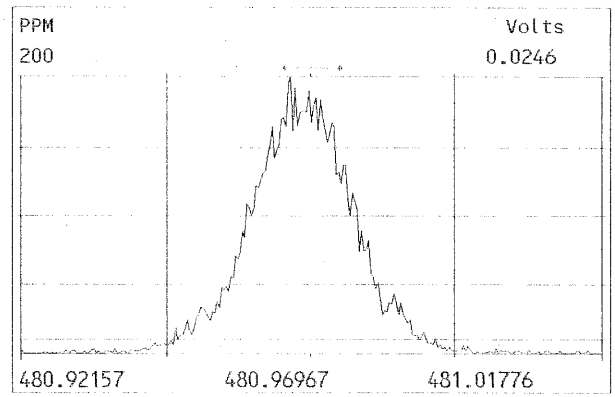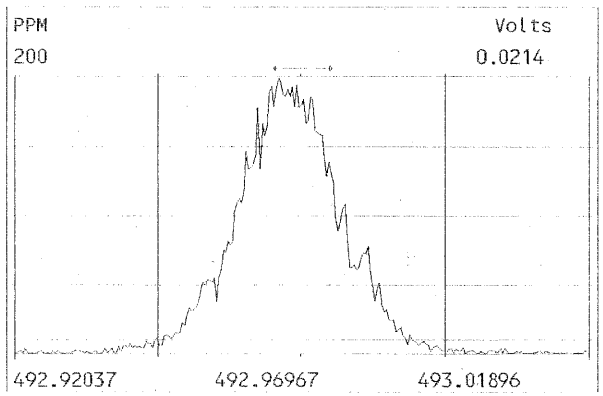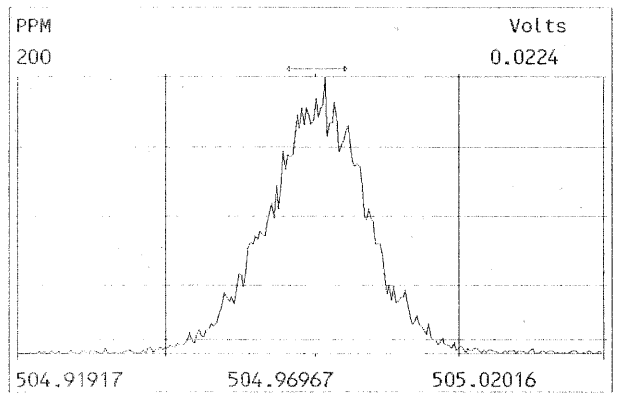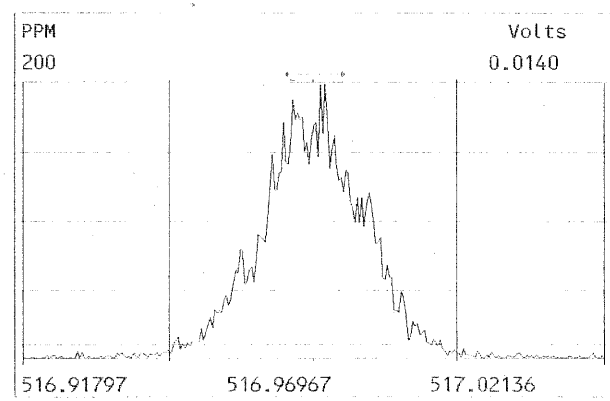
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Experiment:1668PCB Function:6 Reference:PFK