November 16, 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 **13416**. These results correspond to your **LDW ENR/AC Pilot Study** project. Nineteen sediment samples were received on 10/20/2020 at Frontier Analytical Laboratory. As per your chain of custody, samples 13416-002-SA, 13416-005-SA, 13416-009-SA, 13416-011-SA, 13416-014-SA, 13416-018-SA and 13416-019-SA (Floyd | Snider Sample IDs: LDW-Y3-SC-ENR-CB-ULM, LDW-Y3-SC-ENR-CE-ULM, LDW-Y3-SC-ENR+AC-CE-ULM, LDW-Y3-SC-ENR-CB-CORE, LDW-Y3-SC-ENR-CE-CORE, LDW-Y3-SC-ENR+AC-CD-CORE and LDW-Y3-SC-ENR+AC-CE-CORE respectively) be place on hold. The remaining twelve sediment samples were extracted and analyzed by EPA Method 1668 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 sample. A turnaround time of fifteen business days was assigned to project **13416**.

The following Level IV report consists of an Analytical Data section, a Sample Receipt section, a Laboratory Raw Data section and an Instrument Raw Data section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, your e-mail dated 10/19/2020, our sample login form and a sample photo. The Laboratory Raw Data section contains our project request sheet, the percent solids 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 **13416**, 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: **13416**

Received on: **10/20/2020** Project Due: **11/11/2020** Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13416-001-SA	0	LY15160310	LDW-Y3-SC-ENR-CA-ULM	EPA 1668 PCB	Sediment	10/16/2020	01:00 pm	10/18/2021
13416-002-SA	0	LY15160310	LDW-Y3-SC-ENR-CB-ULM	EPA 1668 PCB	Sediment	10/16/2020	12:45 pm	10/18/2021
13416-003-SA	0	LY15160310	LDW-Y3-SC-ENR-CC-ULM	EPA 1668 PCB	Sediment	10/16/2020	12:15 pm	10/18/2021
13416-004-SA	0	LY15160310	LDW-Y3-SC-ENR-CD-ULM	EPA 1668 PCB	Sediment	10/16/2020	11:05 am	10/18/2021
13416-005-SA	0	LY15160310	LDW-Y3-SC-ENR-CE-ULM	EPA 1668 PCB	Sediment	10/16/2020	10:50 am	10/18/2021
13416-006-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CA-ULM	EPA 1668 PCB	Sediment	10/16/2020	12:30 pm	10/18/2021
13416-007-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CB-ULM	EPA 1668 PCB	Sediment	10/16/2020	12:00 pm	10/18/2021
13416-008-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CC-ULM	EPA 1668 PCB	Sediment	10/16/2020	11:35 am	10/18/2021
13416-009-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CE-ULM	EPA 1668 PCB	Sediment	10/16/2020	11:45 am	10/18/2021
13416-010-SA	0	LY15160310	LDW-Y3-SC-ENR-CA-CORE	EPA 1668 PCB	Sediment	10/16/2020	12:55 pm	10/18/2021
13416-011-SA	0	LY15160310	LDW-Y3-SC-ENR-CB-CORE	EPA 1668 PCB	Sediment	10/16/2020	12:40 pm	10/18/2021
13416-012-SA	0	LY15160310	LDW-Y3-SC-ENR-CC-CORE	EPA 1668 PCB	Sediment	10/16/2020	12:10 pm	10/18/2021
13416-013-SA	0	LY15160310	LDW-Y3-SC-ENR-CD-CORE	EPA 1668 PCB	Sediment	10/16/2020	11:00 am	10/18/2021
13416-014-SA	0	LY15160310	LDW-Y3-SC-ENR-CE-CORE	EPA 1668 PCB	Sediment	10/16/2020	10:45 am	10/18/2021
13416-015-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CA-CORE	EPA 1668 PCB	Sediment	10/16/2020	12:25 pm	10/18/2021
13416-016-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CB-CORE	EPA 1668 PCB	Sediment	10/16/2020	11:55 am	10/18/2021
13416-017-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CC-CORE	EPA 1668 PCB	Sediment	10/16/2020	11:30 am	10/18/2021
13416-018-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CD-CORE	EPA 1668 PCB	Sediment	10/16/2020	10:35 am	10/18/2021
13416-019-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-CE-CORE	EPA 1668 PCB	Sediment	10/16/2020	11:40 am	10/18/2021

FAL Sample ID	Notes
13416-002-SA	'HOLD'
13416-005-SA	'HOLD'
13416-009-SA	'HOLD'
13416-011-SA	'HOLD'
13416-014-SA	'HOLD'
13416-018-SA	'HOLD'
13416-019-SA	'HOLD'

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-11-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.252			PCB-51	ND	0.546		
PCB-2	ND	0.262			PCB-52	ND	0.523	C	69
PCB-3	ND	0.279			PCB-53	ND	0.576		
PCB-4	ND	1.03			PCB-54	ND	0.473		
PCB-5	ND	0.686			PCB-55	ND	0.391		
PCB-6	ND	0.665			PCB-56	ND	0.592	C	60
PCB-7	ND	0.646			PCB-57	ND	0.436		
PCB-8	ND	0.651			PCB-58	ND	0.422		
PCB-9	ND	0.654			PCB-59	-	-	C042	42
PCB-10	ND	0.631			PCB-60	-	-	C056	56
PCB-11	ND	1.04			PCB-61	ND	0.463	C	70
PCB-12	ND	0.675			PCB-62	ND	0.449		
PCB-13	ND	0.667			PCB-63	ND	0.417		
PCB-14	ND	0.654			PCB-64	-	-	C041	41/71/72
PCB-15	ND	0.653			PCB-65	ND	0.449		
PCB-16	ND	0.624			PCB-66	ND	0.409	C	76
PCB-17	ND	0.701			PCB-67	ND	0.433		
PCB-18	ND	0.747			PCB-68	ND	0.410		
PCB-19	ND	0.779			PCB-69	-	-	C052	52
PCB-20	ND	0.702	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.646			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.625			PCB-73	ND	0.449		
PCB-24	ND	0.530			PCB-74	ND	0.434		
PCB-25	ND	0.704			PCB-75	-	-	C048	48
PCB-26	ND	0.674			PCB-76	-	-	C066	66
PCB-27	ND	0.531			PCB-77	ND	0.615		
PCB-28	ND	0.606			PCB-78	ND	0.595		
PCB-29	ND	0.654			PCB-79	ND	0.588		
PCB-30	ND	0.520			PCB-80	ND	0.325		
PCB-31	ND	0.655			PCB-81	ND	0.604		
PCB-32	ND	0.619			PCB-82	ND	0.864		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.648	C	112
PCB-34	ND	0.738			PCB-84	ND	0.713	C	92
PCB-35	ND	0.672			PCB-85	ND	0.609	C	116
PCB-36	ND	0.667			PCB-86	ND	0.783		
PCB-37	ND	0.657			PCB-87	ND	0.561	C	117/125
PCB-38	ND	0.679			PCB-88	ND	0.460	C	91
PCB-39	ND	0.649			PCB-89	ND	0.716		
PCB-40	ND	0.735			PCB-90	ND	0.643	C	101
PCB-41	ND	0.464	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.522	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.579	C	49	PCB-93	ND	0.503		
PCB-44	ND	0.669			PCB-94	ND	0.563		
PCB-45	ND	0.648			PCB-95	ND	0.483		
PCB-46	ND	0.678			PCB-96	ND	0.402		
PCB-47	ND	0.573			PCB-97	ND	0.760		
PCB-48	ND	0.447	C	75	PCB-98	ND	0.524	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.575		
PCB-50	ND	0.564			PCB-100	ND	0.466		

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.790		
PCB-102	-	-	C098	98	PCB-152	ND	0.588		
PCB-103	ND	0.469			PCB-153	ND	0.679		
PCB-104	ND	0.382			PCB-154	ND	0.688		
PCB-105	ND	0.522			PCB-155	ND	0.545		
PCB-106	ND	0.521	C	118	PCB-156	ND	0.550		
PCB-107	ND	0.553	C	108	PCB-157	ND	0.653		
PCB-108	-	-	C107	107	PCB-158	ND	0.591	C	160
PCB-109	ND	0.535			PCB-159	ND	0.545		
PCB-110	ND	0.548			PCB-160	-	-	C158	158
PCB-111	ND	0.515	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.590			PCB-163	-	-	C138	138/164
PCB-114	ND	0.556			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.601		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.614		
PCB-118	-	-	C	106	PCB-168	ND	0.615		
PCB-119	ND	0.500			PCB-169	ND	0.557		
PCB-120	ND	0.488			PCB-170	ND	0.998		
PCB-121	ND	0.397			PCB-171	ND	0.956		
PCB-122	ND	0.581			PCB-172	ND	0.986		
PCB-123	ND	0.593			PCB-173	ND	1.04		
PCB-124	ND	0.523			PCB-174	ND	0.910		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.924		
PCB-126	ND	0.591			PCB-176	ND	0.739		
PCB-127	ND	0.576			PCB-177	ND	0.992		
PCB-128	ND	0.680	C	162	PCB-178	ND	0.990		
PCB-129	ND	0.903			PCB-179	ND	0.718		
PCB-130	ND	0.925			PCB-180	ND	0.991		
PCB-131	ND	0.891	C	133	PCB-181	ND	0.923		
PCB-132	ND	0.705	C	161	PCB-182	ND	0.860	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.890		
PCB-134	ND	0.889	C	143	PCB-184	ND	0.677		
PCB-135	ND	0.779			PCB-185	ND	0.935		
PCB-136	ND	0.620			PCB-186	ND	0.721		
PCB-137	ND	0.746			PCB-187	-	-	C182	182
PCB-138	ND	0.652	C	163/164	PCB-188	ND	0.806		
PCB-139	ND	0.724	C	149	PCB-189	ND	0.712		
PCB-140	ND	0.748			PCB-190	ND	0.777		
PCB-141	ND	0.786			PCB-191	ND	0.748		
PCB-142	ND	0.880			PCB-192	ND	0.771		
PCB-143	-	-	C134	134	PCB-193	ND	0.733		
PCB-144	ND	0.787			PCB-194	ND	0.635		
PCB-145	ND	0.583			PCB-195	ND	0.654		
PCB-146	ND	0.674	C	165	PCB-196	ND	0.828	C	203
PCB-147	ND	0.749			PCB-197	ND	0.637		
PCB-148	ND	0.746			PCB-198	ND	0.917		
PCB-149	-	-	C139	139	PCB-199	ND	0.899		
PCB-150	ND	0.586			PCB-200	ND	0.640		

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.645		
PCB-202	ND	0.708		
PCB-203	-	-	C196	196
PCB-204	ND	0.633		
PCB-205	ND	0.510		
PCB-206	ND	0.463		
PCB-207	ND	0.363		
PCB-208	ND	0.380		
PCB-209	ND	0.361		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	91.9	5.00 - 145	
13C-PCB-3	94.9	5.00 - 145	
13C-PCB-4	94.6	5.00 - 145	
13C-PCB-15	96.4	5.00 - 145	
13C-PCB-19	93.5	5.00 - 145	
13C-PCB-37	93.5	5.00 - 145	
13C-PCB-54	118	5.00 - 145	
13C-PCB-77	100	10.0 - 145	
13C-PCB-81	95.7	10.0 - 145	
13C-PCB-104	94.2	10.0 - 145	
13C-PCB-105	99.2	10.0 - 145	
13C-PCB-114	102	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	101	10.0 - 145	
13C-PCB-126	94.4	10.0 - 145	
13C-PCB-155	101	10.0 - 145	
13C-PCB-156	96.0	10.0 - 145	
13C-PCB-157	93.1	10.0 - 145	
13C-PCB-167	97.3	10.0 - 145	
13C-PCB-169	90.7	10.0 - 145	
13C-PCB-188	102	10.0 - 145	
13C-PCB-189	94.0	10.0 - 145	
13C-PCB-202	91.6	10.0 - 145	
13C-PCB-205	98.0	10.0 - 145	
13C-PCB-206	103	10.0 - 145	
13C-PCB-208	99.7	10.0 - 145	
13C-PCB-209	104	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	114	5.00 - 145	
13C-PCB-111	92.2	10.0 - 145	
13C-PCB-178	89.0	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-001-OPR
Client ID: OPR
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-11-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	98.8	60.0 - 135	
PCB-3	104	60.0 - 135	
PCB-4	111	60.0 - 135	
PCB-15	95.4	60.0 - 135	
PCB-19	102	60.0 - 135	
PCB-37	97.4	60.0 - 135	
PCB-54	100	60.0 - 135	
PCB-77	102	60.0 - 135	
PCB-81	95.2	60.0 - 135	
PCB-104	101	60.0 - 135	
PCB-105	89.0	60.0 - 135	
PCB-114	88.0	60.0 - 135	
PCB-118	101	60.0 - 135	
PCB-123	100	60.0 - 135	
PCB-126	94.2	60.0 - 135	
PCB-155	105	60.0 - 135	
PCB-156	93.0	60.0 - 135	
PCB-157	95.4	60.0 - 135	
PCB-167	101	60.0 - 135	
PCB-169	105	60.0 - 135	
PCB-188	102	60.0 - 135	
PCB-189	104	60.0 - 135	
PCB-202	108	60.0 - 135	
PCB-205	101	60.0 - 135	
PCB-206	102	60.0 - 135	
PCB-208	99.8	60.0 - 135	
PCB-209	100	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	95.7	15.0 - 145	
13C-PCB-3	93.4	15.0 - 145	
13C-PCB-4	95.6	15.0 - 145	
13C-PCB-15	92.4	15.0 - 145	
13C-PCB-19	92.2	15.0 - 145	
13C-PCB-37	90.5	15.0 - 145	
13C-PCB-54	114	15.0 - 145	
13C-PCB-77	97.4	40.0 - 145	
13C-PCB-81	96.2	40.0 - 145	
13C-PCB-104	95.1	40.0 - 145	
13C-PCB-105	96.9	40.0 - 145	
13C-PCB-114	95.0	40.0 - 145	
13C-PCB-118	93.0	40.0 - 145	
13C-PCB-123	93.4	40.0 - 145	
13C-PCB-126	96.6	40.0 - 145	
13C-PCB-155	96.9	40.0 - 145	
13C-PCB-156	95.1	40.0 - 145	
13C-PCB-157	91.9	40.0 - 145	
13C-PCB-167	93.8	40.0 - 145	
13C-PCB-169	90.8	40.0 - 145	
13C-PCB-188	96.0	40.0 - 145	
13C-PCB-189	91.9	40.0 - 145	
13C-PCB-202	90.4	40.0 - 145	
13C-PCB-205	95.0	40.0 - 145	
13C-PCB-206	95.1	40.0 - 145	
13C-PCB-208	101	40.0 - 145	
13C-PCB-209	96.8	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	115	15.0 - 145	
13C-PCB-111	98.6	40.0 - 145	
13C-PCB-178	94.1	40.0 - 145	

Analyst: _____

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-10-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.313			PCB-51	ND	0.782		
PCB-2	ND	0.317			PCB-52	ND	0.842	C	69
PCB-3	ND	0.336			PCB-53	ND	0.841		
PCB-4	ND	1.22			PCB-54	ND	0.619		
PCB-5	ND	1.53			PCB-55	ND	0.645		
PCB-6	ND	0.741			PCB-56	ND	0.732	C	60
PCB-7	ND	0.685			PCB-57	ND	0.680		
PCB-8	ND	0.712			PCB-58	ND	0.681		
PCB-9	ND	0.693			PCB-59	-	-	C042	42
PCB-10	ND	0.643			PCB-60	-	-	C056	56
PCB-11	ND	0.791			PCB-61	ND	0.725	C	70
PCB-12	ND	0.745			PCB-62	ND	0.686		
PCB-13	ND	0.758			PCB-63	ND	0.678		
PCB-14	ND	0.706			PCB-64	-	-	C041	41/71/72
PCB-15	ND	0.713			PCB-65	ND	0.707		
PCB-16	ND	0.820			PCB-66	ND	0.637	C	76
PCB-17	ND	0.907			PCB-67	ND	0.658		
PCB-18	ND	0.997			PCB-68	ND	0.600		
PCB-19	ND	0.992			PCB-69	-	-	C052	52
PCB-20	ND	0.694	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.604			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.642			PCB-73	ND	0.627		
PCB-24	ND	0.695			PCB-74	ND	0.665		
PCB-25	ND	0.698			PCB-75	-	-	C048	48
PCB-26	ND	0.691			PCB-76	-	-	C066	66
PCB-27	ND	0.693			PCB-77	ND	0.819		
PCB-28	ND	0.559			PCB-78	ND	0.731		
PCB-29	ND	0.646			PCB-79	ND	0.716		
PCB-30	ND	0.667			PCB-80	ND	0.561		
PCB-31	ND	0.713			PCB-81	ND	0.706		
PCB-32	ND	0.792			PCB-82	ND	1.17		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.874	C	112
PCB-34	ND	0.664			PCB-84	ND	0.982	C	92
PCB-35	ND	0.741			PCB-85	ND	0.798	C	116
PCB-36	ND	0.684			PCB-86	ND	1.01		
PCB-37	ND	0.704			PCB-87	ND	0.812	C	117/125
PCB-38	ND	0.720			PCB-88	ND	0.553	C	91
PCB-39	ND	0.698			PCB-89	ND	0.997		
PCB-40	ND	1.12			PCB-90	ND	0.899	C	101
PCB-41	ND	0.733	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.800	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.934	C	49	PCB-93	ND	0.628		
PCB-44	ND	1.05			PCB-94	ND	0.648		
PCB-45	ND	0.970			PCB-95	ND	0.585		
PCB-46	ND	0.988			PCB-96	ND	0.448		
PCB-47	ND	0.852			PCB-97	ND	1.05		
PCB-48	ND	0.730	C	75	PCB-98	ND	0.629	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.816		
PCB-50	ND	0.839			PCB-100	ND	0.542		

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.988		
PCB-102	-	-	C098	98	PCB-152	ND	0.587		
PCB-103	ND	0.546			PCB-153	ND	0.821		
PCB-104	ND	0.431			PCB-154	ND	0.670		
PCB-105	ND	0.561			PCB-155	ND	0.537		
PCB-106	ND	0.542	C	118	PCB-156	ND	0.773		
PCB-107	ND	0.577	C	108	PCB-157	ND	0.828		
PCB-108	-	-	C107	107	PCB-158	ND	0.731	C	160
PCB-109	ND	0.738			PCB-159	ND	0.720		
PCB-110	ND	0.706			PCB-160	-	-	C158	158
PCB-111	ND	0.720	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.796			PCB-163	-	-	C138	138/164
PCB-114	ND	0.568			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.754		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.788		
PCB-118	-	-	C	106	PCB-168	ND	0.736		
PCB-119	ND	0.722			PCB-169	ND	0.733		
PCB-120	ND	0.673			PCB-170	ND	0.805		
PCB-121	ND	0.502			PCB-171	ND	0.722		
PCB-122	ND	0.581			PCB-172	ND	0.790		
PCB-123	ND	0.616			PCB-173	ND	0.826		
PCB-124	ND	0.553			PCB-174	ND	0.794		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.712		
PCB-126	ND	0.604			PCB-176	ND	0.547		
PCB-127	ND	0.600			PCB-177	ND	0.771		
PCB-128	ND	0.856	C	162	PCB-178	ND	0.748		
PCB-129	ND	1.11			PCB-179	ND	0.527		
PCB-130	ND	1.13			PCB-180	ND	0.767		
PCB-131	ND	1.05	C	133	PCB-181	ND	0.676		
PCB-132	ND	0.832	C	161	PCB-182	ND	0.677	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.670		
PCB-134	ND	1.06	C	143	PCB-184	ND	0.495		
PCB-135	ND	0.965			PCB-185	ND	0.727		
PCB-136	ND	0.594			PCB-186	ND	0.536		
PCB-137	ND	0.906			PCB-187	-	-	C182	182
PCB-138	ND	0.807	C	163/164	PCB-188	ND	0.591		
PCB-139	ND	0.910	C	149	PCB-189	ND	0.562		
PCB-140	ND	0.885			PCB-190	ND	0.599		
PCB-141	ND	0.948			PCB-191	ND	0.555		
PCB-142	ND	1.04			PCB-192	ND	0.594		
PCB-143	-	-	C134	134	PCB-193	ND	0.556		
PCB-144	ND	0.961			PCB-194	ND	0.865		
PCB-145	ND	0.578			PCB-195	ND	0.847		
PCB-146	ND	0.806	C	165	PCB-196	ND	0.980	C	203
PCB-147	ND	0.916			PCB-197	ND	0.742		
PCB-148	ND	0.758			PCB-198	ND	1.04		
PCB-149	-	-	C139	139	PCB-199	ND	1.12		
PCB-150	ND	0.570			PCB-200	ND	0.761		

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

EPA Method 1668
PCBs

FAL ID: 13416-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: NA
Amount: 10.00 g

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.785		
PCB-202	ND	0.847		
PCB-203	-	-	C196	196
PCB-204	ND	0.788		
PCB-205	ND	0.691		
PCB-206	ND	0.471		
PCB-207	ND	0.340		
PCB-208	ND	0.329		
PCB-209	ND	0.358		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	98.2	5.00 - 145	
13C-PCB-3	96.9	5.00 - 145	
13C-PCB-4	102	5.00 - 145	
13C-PCB-15	104	5.00 - 145	
13C-PCB-19	99.2	5.00 - 145	
13C-PCB-37	97.8	5.00 - 145	
13C-PCB-54	107	5.00 - 145	
13C-PCB-77	95.8	10.0 - 145	
13C-PCB-81	99.3	10.0 - 145	
13C-PCB-104	104	10.0 - 145	
13C-PCB-105	102	10.0 - 145	
13C-PCB-114	104	10.0 - 145	
13C-PCB-118	104	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	104	10.0 - 145	
13C-PCB-155	109	10.0 - 145	
13C-PCB-156	106	10.0 - 145	
13C-PCB-157	107	10.0 - 145	
13C-PCB-167	108	10.0 - 145	
13C-PCB-169	108	10.0 - 145	
13C-PCB-188	110	10.0 - 145	
13C-PCB-189	109	10.0 - 145	
13C-PCB-202	107	10.0 - 145	
13C-PCB-205	98.8	10.0 - 145	
13C-PCB-206	105	10.0 - 145	
13C-PCB-208	97.9	10.0 - 145	
13C-PCB-209	106	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	97.4	5.00 - 145	
13C-PCB-111	93.1	10.0 - 145	
13C-PCB-178	98.3	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-001-OPR
Client ID: OPR
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-10-20
GC Column: DB1MS
Units: ng/ml

Acquired: 11-10-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	95.0	60.0 - 135	
PCB-3	97.6	60.0 - 135	
PCB-4	113	60.0 - 135	
PCB-15	89.6	60.0 - 135	
PCB-19	96.2	60.0 - 135	
PCB-37	90.0	60.0 - 135	
PCB-54	97.0	60.0 - 135	
PCB-77	97.6	60.0 - 135	
PCB-81	91.2	60.0 - 135	
PCB-104	100	60.0 - 135	
PCB-105	88.4	60.0 - 135	
PCB-114	87.0	60.0 - 135	
PCB-118	96.8	60.0 - 135	
PCB-123	101	60.0 - 135	
PCB-126	89.4	60.0 - 135	
PCB-155	96.2	60.0 - 135	
PCB-156	91.6	60.0 - 135	
PCB-157	90.4	60.0 - 135	
PCB-167	93.6	60.0 - 135	
PCB-169	98.0	60.0 - 135	
PCB-188	98.8	60.0 - 135	
PCB-189	94.8	60.0 - 135	
PCB-202	100	60.0 - 135	
PCB-205	98.6	60.0 - 135	
PCB-206	95.8	60.0 - 135	
PCB-208	95.6	60.0 - 135	
PCB-209	95.2	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	96.5	15.0 - 145	
13C-PCB-3	94.9	15.0 - 145	
13C-PCB-4	99.8	15.0 - 145	
13C-PCB-15	105	15.0 - 145	
13C-PCB-19	102	15.0 - 145	
13C-PCB-37	98.7	15.0 - 145	
13C-PCB-54	106	15.0 - 145	
13C-PCB-77	96.9	40.0 - 145	
13C-PCB-81	98.8	40.0 - 145	
13C-PCB-104	98.3	40.0 - 145	
13C-PCB-105	96.1	40.0 - 145	
13C-PCB-114	95.3	40.0 - 145	
13C-PCB-118	97.4	40.0 - 145	
13C-PCB-123	98.7	40.0 - 145	
13C-PCB-126	97.3	40.0 - 145	
13C-PCB-155	107	40.0 - 145	
13C-PCB-156	97.5	40.0 - 145	
13C-PCB-157	98.6	40.0 - 145	
13C-PCB-167	94.6	40.0 - 145	
13C-PCB-169	102	40.0 - 145	
13C-PCB-188	100	40.0 - 145	
13C-PCB-189	108	40.0 - 145	
13C-PCB-202	102	40.0 - 145	
13C-PCB-205	97.8	40.0 - 145	
13C-PCB-206	104	40.0 - 145	
13C-PCB-208	99.3	40.0 - 145	
13C-PCB-209	103	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	100	15.0 - 145	
13C-PCB-111	91.4	40.0 - 145	
13C-PCB-178	87.4	40.0 - 145	

Analyst: _____

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-001-SA
Client ID: LDW-Y3-SC-ENR-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.11

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

Acquired: 11-11-2020
Total Conc: 11600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	2.39	-			PCB-51	7.20	-		
PCB-2	0.699	-	J		PCB-52	252	-	C	69
PCB-3	2.43	-			PCB-53	21.8	-		
PCB-4	13.5	-			PCB-54	ND	0.635		
PCB-5	ND	0.557			PCB-55	4.51	-		
PCB-6	13.0	-			PCB-56	125	-	C	60
PCB-7	2.31	-			PCB-57	1.70	-	J	
PCB-8	57.5	-			PCB-58	ND	0.568		
PCB-9	2.74	-			PCB-59	-	-	C042	42
PCB-10	0.737	-	J		PCB-60	-	-	C056	56
PCB-11	4.59	-			PCB-61	259	-	C	70
PCB-12	4.76	-			PCB-62	ND	0.602		
PCB-13	3.11	-			PCB-63	7.22	-		
PCB-14	ND	0.531			PCB-64	-	-	C041	41/71/72
PCB-15	52.3	-			PCB-65	ND	0.604		
PCB-16	26.6	-			PCB-66	189	-	C	76
PCB-17	36.9	-			PCB-67	6.27	-		
PCB-18	81.0	-			PCB-68	1.55	-	J	
PCB-19	8.37	-			PCB-69	-	-	C052	52
PCB-20	89.2	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	50.2	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.481			PCB-73	3.46	-		
PCB-24	4.19	-			PCB-74	94.9	-		
PCB-25	17.1	-			PCB-75	-	-	C048	48
PCB-26	27.1	-			PCB-76	-	-	C066	66
PCB-27	4.95	-			PCB-77	22.9	-		
PCB-28	152	-			PCB-78	ND	0.588		
PCB-29	1.34	-	J		PCB-79	5.05	-		
PCB-30	ND	0.851			PCB-80	ND	0.436		
PCB-31	121	-			PCB-81	8.94	-		
PCB-32	30.8	-			PCB-82	62.6	-		
PCB-33	-	-	C020	20/21	PCB-83	23.1	-	C	112
PCB-34	1.10	-	J		PCB-84	215	-	C	92
PCB-35	5.17	-			PCB-85	74.3	-	C	116
PCB-36	ND	0.513			PCB-86	ND	1.23		
PCB-37	70.7	-			PCB-87	197	-	C	117/125
PCB-38	1.80	-	J		PCB-88	61.0	-	C	91
PCB-39	ND	0.499			PCB-89	4.86	-		
PCB-40	27.0	-			PCB-90	525	-	C	101
PCB-41	132	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	56.1	-	C	59	PCB-92	-	-	C084	84
PCB-43	140	-	C	49	PCB-93	ND	0.661		
PCB-44	168	-			PCB-94	2.28	-		
PCB-45	19.0	-			PCB-95	403	-		
PCB-46	8.80	-			PCB-96	3.28	-		
PCB-47	52.4	-			PCB-97	163	-		
PCB-48	27.2	-	C	75	PCB-98	ND	0.687	C	102
PCB-49	-	-	C043	43	PCB-99	197	-		
PCB-50	ND	0.757			PCB-100	3.22	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-001-SA
Client ID: LDW-Y3-SC-ENR-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.11

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	149	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.573		
PCB-103	4.98	-			PCB-153	668	-		
PCB-104	ND	0.501			PCB-154	11.2	-		
PCB-105	199	-			PCB-155	ND	0.531		
PCB-106	475	-	C	118	PCB-156	93.1	-		
PCB-107	36.7	-	C	108	PCB-157	20.8	-		
PCB-108	-	-	C107	107	PCB-158	92.9	-	C	160
PCB-109	ND	0.840			PCB-159	5.85	-		
PCB-110	571	-			PCB-160	-	-	C158	158
PCB-111	9.73	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.928			PCB-163	-	-	C138	138/164
PCB-114	11.4	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.99	-		
PCB-117	-	-	C087	87/125	PCB-167	37.2	-		
PCB-118	-	-	C	106	PCB-168	ND	0.691		
PCB-119	9.57	-			PCB-169	ND	0.608		
PCB-120	1.58	-	J		PCB-170	208	-		
PCB-121	ND	0.521			PCB-171	58.4	-		
PCB-122	7.01	-			PCB-172	34.1	-		
PCB-123	9.17	-			PCB-173	5.11	-		
PCB-124	24.4	-			PCB-174	174	-		
PCB-125	-	-	C087	87/117	PCB-175	8.57	-		
PCB-126	2.78	-			PCB-176	25.9	-		
PCB-127	ND	0.713			PCB-177	111	-		
PCB-128	133	-	C	162	PCB-178	39.5	-		
PCB-129	42.8	-			PCB-179	79.1	-		
PCB-130	57.6	-			PCB-180	452	-		
PCB-131	25.1	-	C	133	PCB-181	ND	0.720		
PCB-132	232	-	C	161	PCB-182	225	-	C	187
PCB-133	-	-	C131	131	PCB-183	120	-		
PCB-134	49.8	-	C	143	PCB-184	ND	0.528		
PCB-135	87.6	-			PCB-185	22.9	-		
PCB-136	101	-			PCB-186	ND	0.562		
PCB-137	44.6	-			PCB-187	-	-	C182	182
PCB-138	808	-	C	163/164	PCB-188	ND	0.581		
PCB-139	553	-	C	149	PCB-189	9.68	-		
PCB-140	5.49	-			PCB-190	43.5	-		
PCB-141	139	-			PCB-191	9.15	-		
PCB-142	ND	0.990			PCB-192	ND	0.601		
PCB-143	-	-	C134	134	PCB-193	22.7	-		
PCB-144	40.8	-			PCB-194	115	-		
PCB-145	ND	0.568			PCB-195	43.7	-		
PCB-146	101	-	C	165	PCB-196	141	-	C	203
PCB-147	17.5	-			PCB-197	5.28	-		
PCB-148	ND	0.727			PCB-198	6.90	-		
PCB-149	-	-	C139	139	PCB-199	118	-		
PCB-150	2.27	-			PCB-200	14.4	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-001-SA
Client ID: LDW-Y3-SC-ENR-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.11

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	15.9	-		
PCB-202	23.9	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.553		
PCB-205	6.55	-		
PCB-206	63.3	-		
PCB-207	8.36	-		
PCB-208	15.2	-		
PCB-209	25.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	102	5.00 - 145	
13C-PCB-3	98.1	5.00 - 145	
13C-PCB-4	98.9	5.00 - 145	
13C-PCB-15	105	5.00 - 145	
13C-PCB-19	101	5.00 - 145	
13C-PCB-37	109	5.00 - 145	
13C-PCB-54	96.3	5.00 - 145	
13C-PCB-77	104	10.0 - 145	
13C-PCB-81	103	10.0 - 145	
13C-PCB-104	88.1	10.0 - 145	
13C-PCB-105	104	10.0 - 145	
13C-PCB-114	108	10.0 - 145	
13C-PCB-118	104	10.0 - 145	
13C-PCB-123	99.8	10.0 - 145	
13C-PCB-126	105	10.0 - 145	
13C-PCB-155	95.1	10.0 - 145	
13C-PCB-156	99.6	10.0 - 145	
13C-PCB-157	98.0	10.0 - 145	
13C-PCB-167	99.8	10.0 - 145	
13C-PCB-169	94.1	10.0 - 145	
13C-PCB-188	99.1	10.0 - 145	
13C-PCB-189	93.0	10.0 - 145	
13C-PCB-202	91.6	10.0 - 145	
13C-PCB-205	99.0	10.0 - 145	
13C-PCB-206	96.1	10.0 - 145	
13C-PCB-208	102	10.0 - 145	
13C-PCB-209	91.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	98.4	5.00 - 145	
13C-PCB-111	95.0	10.0 - 145	
13C-PCB-178	89.9	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-003-SA
Client ID: LDW-Y3-SC-ENR-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.08 g
% Solids: 99.24

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

Acquired: 11-11-2020
Total Conc: 19800

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	6.39	-			PCB-51	17.3	-		
PCB-2	1.83	-	J		PCB-52	448	-	C	69
PCB-3	6.37	-			PCB-53	50.2	-		
PCB-4	30.9	-			PCB-54	1.13	-	J	
PCB-5	ND	0.648			PCB-55	9.44	-		
PCB-6	30.7	-			PCB-56	280	-	C	60
PCB-7	5.38	-			PCB-57	3.24	-		
PCB-8	133	-			PCB-58	1.37	-	J	
PCB-9	6.10	-			PCB-59	-	-	C042	42
PCB-10	1.94	-	J		PCB-60	-	-	C056	56
PCB-11	7.38	-			PCB-61	537	-	C	70
PCB-12	8.04	-			PCB-62	ND	0.635		
PCB-13	7.69	-			PCB-63	17.0	-		
PCB-14	ND	0.618			PCB-64	-	-	C041	41/71/72
PCB-15	93.5	-			PCB-65	ND	0.636		
PCB-16	74.8	-			PCB-66	426	-	C	76
PCB-17	105	-			PCB-67	16.7	-		
PCB-18	226	-			PCB-68	2.71	-		
PCB-19	20.6	-			PCB-69	-	-	C052	52
PCB-20	239	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	133	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.439			PCB-73	5.17	-		
PCB-24	14.1	-			PCB-74	216	-		
PCB-25	46.1	-			PCB-75	-	-	C048	48
PCB-26	72.2	-			PCB-76	-	-	C066	66
PCB-27	10.2	-			PCB-77	53.0	-		
PCB-28	397	-			PCB-78	ND	0.608		
PCB-29	3.19	-			PCB-79	6.86	-		
PCB-30	ND	0.733			PCB-80	ND	0.460		
PCB-31	321	-			PCB-81	11.3	-		
PCB-32	84.8	-			PCB-82	90.2	-		
PCB-33	-	-	C020	20/21	PCB-83	31.7	-	C	112
PCB-34	2.63	-			PCB-84	279	-	C	92
PCB-35	9.66	-			PCB-85	120	-	C	116
PCB-36	ND	0.468			PCB-86	ND	1.14		
PCB-37	151	-			PCB-87	265	-	C	117/125
PCB-38	1.73	-	J		PCB-88	106	-	C	91
PCB-39	ND	0.456			PCB-89	8.32	-		
PCB-40	58.7	-			PCB-90	761	-	C	101
PCB-41	283	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	124	-	C	59	PCB-92	-	-	C084	84
PCB-43	312	-	C	49	PCB-93	ND	0.600		
PCB-44	327	-			PCB-94	4.81	-		
PCB-45	49.0	-			PCB-95	590	-		
PCB-46	19.7	-			PCB-96	4.76	-		
PCB-47	121	-			PCB-97	230	-		
PCB-48	67.2	-	C	75	PCB-98	ND	0.625	C	102
PCB-49	-	-	C043	43	PCB-99	314	-		
PCB-50	1.32	-	J		PCB-100	6.86	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-003-SA
Client ID: LDW-Y3-SC-ENR-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.08 g
% Solids: 99.24

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	231	-		
PCB-102	-	-	C098	98	PCB-152	1.08	-	J	
PCB-103	12.1	-			PCB-153	1130	-		
PCB-104	ND	0.456			PCB-154	24.6	-		
PCB-105	293	-			PCB-155	ND	0.463		
PCB-106	737	-	C	118	PCB-156	117	-		
PCB-107	55.0	-	C	108	PCB-157	25.0	-		
PCB-108	-	-	C107	107	PCB-158	119	-	C	160
PCB-109	ND	0.781			PCB-159	9.95	-		
PCB-110	812	-			PCB-160	-	-	C158	158
PCB-111	10.8	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.863			PCB-163	-	-	C138	138/164
PCB-114	16.4	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.23	-		
PCB-117	-	-	C087	87/125	PCB-167	49.4	-		
PCB-118	-	-	C	106	PCB-168	1.93	-	J	
PCB-119	19.5	-			PCB-169	ND	0.678		
PCB-120	2.98	-			PCB-170	350	-		
PCB-121	ND	0.474			PCB-171	101	-		
PCB-122	9.81	-			PCB-172	59.1	-		
PCB-123	13.7	-			PCB-173	7.10	-		
PCB-124	33.2	-			PCB-174	319	-		
PCB-125	-	-	C087	87/117	PCB-175	17.1	-		
PCB-126	4.20	-			PCB-176	47.8	-		
PCB-127	ND	0.833			PCB-177	206	-		
PCB-128	176	-	C	162	PCB-178	71.5	-		
PCB-129	50.5	-			PCB-179	145	-		
PCB-130	81.2	-			PCB-180	793	-		
PCB-131	34.9	-	C	133	PCB-181	ND	0.675		
PCB-132	299	-	C	161	PCB-182	429	-	C	187
PCB-133	-	-	C131	131	PCB-183	218	-		
PCB-134	59.3	-	C	143	PCB-184	ND	0.495		
PCB-135	133	-			PCB-185	39.5	-		
PCB-136	157	-			PCB-186	ND	0.527		
PCB-137	65.4	-			PCB-187	-	-	C182	182
PCB-138	1180	-	C	163/164	PCB-188	1.15	-	J	
PCB-139	864	-	C	149	PCB-189	16.3	-		
PCB-140	7.32	-			PCB-190	74.0	-		
PCB-141	195	-			PCB-191	14.8	-		
PCB-142	ND	0.981			PCB-192	ND	0.563		
PCB-143	-	-	C134	134	PCB-193	40.5	-		
PCB-144	53.5	-			PCB-194	208	-		
PCB-145	ND	0.495			PCB-195	76.2	-		
PCB-146	164	-	C	165	PCB-196	245	-	C	203
PCB-147	22.2	-			PCB-197	8.47	-		
PCB-148	ND	0.634			PCB-198	9.06	-		
PCB-149	-	-	C139	139	PCB-199	214	-		
PCB-150	3.37	-			PCB-200	25.4	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-003-SA
Client ID: LDW-Y3-SC-ENR-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.08 g
% Solids: 99.24

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	27.5	-		
PCB-202	46.2	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.505		
PCB-205	10.1	-		
PCB-206	101	-		
PCB-207	13.3	-		
PCB-208	27.4	-		
PCB-209	37.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	87.7	5.00 - 145	
13C-PCB-3	87.1	5.00 - 145	
13C-PCB-4	85.5	5.00 - 145	
13C-PCB-15	101	5.00 - 145	
13C-PCB-19	89.7	5.00 - 145	
13C-PCB-37	99.8	5.00 - 145	
13C-PCB-54	90.9	5.00 - 145	
13C-PCB-77	103	10.0 - 145	
13C-PCB-81	102	10.0 - 145	
13C-PCB-104	77.6	10.0 - 145	
13C-PCB-105	98.5	10.0 - 145	
13C-PCB-114	97.9	10.0 - 145	
13C-PCB-118	94.6	10.0 - 145	
13C-PCB-123	97.1	10.0 - 145	
13C-PCB-126	98.0	10.0 - 145	
13C-PCB-155	85.1	10.0 - 145	
13C-PCB-156	92.4	10.0 - 145	
13C-PCB-157	92.2	10.0 - 145	
13C-PCB-167	94.4	10.0 - 145	
13C-PCB-169	89.8	10.0 - 145	
13C-PCB-188	88.3	10.0 - 145	
13C-PCB-189	83.5	10.0 - 145	
13C-PCB-202	81.4	10.0 - 145	
13C-PCB-205	87.7	10.0 - 145	
13C-PCB-206	85.8	10.0 - 145	
13C-PCB-208	82.4	10.0 - 145	
13C-PCB-209	80.5	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	95.5	5.00 - 145	
13C-PCB-111	90.1	10.0 - 145	
13C-PCB-178	82.7	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-004-SA
Client ID: LDW-Y3-SC-ENR-CD-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.01 g
% Solids: 99.07

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

Acquired: 11-11-2020
Total Conc: 15500

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	4.55	-			PCB-51	14.0	-		
PCB-2	1.45	-	J		PCB-52	336	-	C	69
PCB-3	4.16	-			PCB-53	38.6	-		
PCB-4	26.7	-			PCB-54	0.888	-	J	
PCB-5	ND	0.577			PCB-55	6.79	-		
PCB-6	25.9	-			PCB-56	216	-	C	60
PCB-7	4.28	-			PCB-57	2.53	-		
PCB-8	113	-			PCB-58	1.23	-	J	
PCB-9	4.69	-			PCB-59	-	-	C042	42
PCB-10	1.08	-	J		PCB-60	-	-	C056	56
PCB-11	7.39	-			PCB-61	406	-	C	70
PCB-12	7.36	-			PCB-62	ND	0.465		
PCB-13	6.01	-			PCB-63	12.3	-		
PCB-14	ND	0.550			PCB-64	-	-	C041	41/71/72
PCB-15	77.3	-			PCB-65	ND	0.466		
PCB-16	62.5	-			PCB-66	327	-	C	76
PCB-17	90.0	-			PCB-67	12.6	-		
PCB-18	191	-			PCB-68	2.47	-		
PCB-19	17.9	-			PCB-69	-	-	C052	52
PCB-20	186	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	104	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.475			PCB-73	3.89	-		
PCB-24	12.4	-			PCB-74	166	-		
PCB-25	38.8	-			PCB-75	-	-	C048	48
PCB-26	60.9	-			PCB-76	-	-	C066	66
PCB-27	9.29	-			PCB-77	40.8	-		
PCB-28	293	-			PCB-78	ND	0.565		
PCB-29	2.73	-			PCB-79	5.88	-		
PCB-30	ND	0.707			PCB-80	ND	0.336		
PCB-31	279	-			PCB-81	8.94	-		
PCB-32	77.4	-			PCB-82	67.0	-		
PCB-33	-	-	C020	20/21	PCB-83	25.0	-	C	112
PCB-34	1.56	-	J		PCB-84	213	-	C	92
PCB-35	7.05	-			PCB-85	86.5	-	C	116
PCB-36	ND	0.507			PCB-86	ND	0.926		
PCB-37	117	-			PCB-87	200	-	C	117/125
PCB-38	1.02	-	J		PCB-88	79.4	-	C	91
PCB-39	ND	0.493			PCB-89	6.78	-		
PCB-40	43.7	-			PCB-90	583	-	C	101
PCB-41	211	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	95.2	-	C	59	PCB-92	-	-	C084	84
PCB-43	241	-	C	49	PCB-93	ND	0.484		
PCB-44	243	-			PCB-94	3.26	-		
PCB-45	38.2	-			PCB-95	447	-		
PCB-46	16.2	-			PCB-96	3.77	-		
PCB-47	93.3	-			PCB-97	177	-		
PCB-48	51.8	-	C	75	PCB-98	ND	0.504	C	102
PCB-49	-	-	C043	43	PCB-99	238	-		
PCB-50	1.15	-	J		PCB-100	5.20	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-004-SA
Client ID: LDW-Y3-SC-ENR-CD-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.01 g
% Solids: 99.07

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	192	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.415		
PCB-103	9.31	-			PCB-153	899	-		
PCB-104	ND	0.368			PCB-154	20.7	-		
PCB-105	219	-			PCB-155	ND	0.384		
PCB-106	552	-	C	118	PCB-156	86.9	-		
PCB-107	41.9	-	C	108	PCB-157	19.4	-		
PCB-108	-	-	C107	107	PCB-158	93.4	-	C	160
PCB-109	ND	0.632			PCB-159	8.83	-		
PCB-110	612	-			PCB-160	-	-	C158	158
PCB-111	11.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.698			PCB-163	-	-	C138	138/164
PCB-114	12.6	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.41	-		
PCB-117	-	-	C087	87/125	PCB-167	37.8	-		
PCB-118	-	-	C	106	PCB-168	ND	0.560		
PCB-119	15.8	-			PCB-169	ND	0.515		
PCB-120	2.65	-			PCB-170	284	-		
PCB-121	ND	0.382			PCB-171	84.7	-		
PCB-122	7.41	-			PCB-172	49.5	-		
PCB-123	10.7	-			PCB-173	6.44	-		
PCB-124	24.6	-			PCB-174	261	-		
PCB-125	-	-	C087	87/117	PCB-175	13.8	-		
PCB-126	3.66	-			PCB-176	43.2	-		
PCB-127	ND	0.808			PCB-177	169	-		
PCB-128	133	-	C	162	PCB-178	60.5	-		
PCB-129	37.4	-			PCB-179	118	-		
PCB-130	62.8	-			PCB-180	647	-		
PCB-131	26.8	-	C	133	PCB-181	ND	0.547		
PCB-132	229	-	C	161	PCB-182	358	-	C	187
PCB-133	-	-	C131	131	PCB-183	187	-		
PCB-134	48.4	-	C	143	PCB-184	ND	0.401		
PCB-135	104	-			PCB-185	32.8	-		
PCB-136	126	-			PCB-186	ND	0.427		
PCB-137	34.4	-			PCB-187	-	-	C182	182
PCB-138	908	-	C	163/164	PCB-188	ND	0.512		
PCB-139	690	-	C	149	PCB-189	13.0	-		
PCB-140	6.17	-			PCB-190	63.0	-		
PCB-141	157	-			PCB-191	12.2	-		
PCB-142	ND	0.802			PCB-192	ND	0.456		
PCB-143	-	-	C134	134	PCB-193	32.7	-		
PCB-144	41.8	-			PCB-194	159	-		
PCB-145	ND	0.411			PCB-195	63.8	-		
PCB-146	127	-	C	165	PCB-196	195	-	C	203
PCB-147	17.6	-			PCB-197	7.58	-		
PCB-148	ND	0.526			PCB-198	7.33	-		
PCB-149	-	-	C139	139	PCB-199	167	-		
PCB-150	2.82	-			PCB-200	19.8	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-004-SA
Client ID: LDW-Y3-SC-ENR-CD-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.01 g
% Solids: 99.07

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	22.8	-		
PCB-202	37.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.592		
PCB-205	8.58	-		
PCB-206	78.3	-		
PCB-207	9.91	-		
PCB-208	20.3	-		
PCB-209	31.7	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	91.0	5.00 - 145	
13C-PCB-3	90.8	5.00 - 145	
13C-PCB-4	92.1	5.00 - 145	
13C-PCB-15	107	5.00 - 145	
13C-PCB-19	88.2	5.00 - 145	
13C-PCB-37	106	5.00 - 145	
13C-PCB-54	99.8	5.00 - 145	
13C-PCB-77	108	10.0 - 145	
13C-PCB-81	107	10.0 - 145	
13C-PCB-104	86.5	10.0 - 145	
13C-PCB-105	103	10.0 - 145	
13C-PCB-114	105	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	103	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	89.2	10.0 - 145	
13C-PCB-156	98.3	10.0 - 145	
13C-PCB-157	96.8	10.0 - 145	
13C-PCB-167	98.4	10.0 - 145	
13C-PCB-169	94.5	10.0 - 145	
13C-PCB-188	90.6	10.0 - 145	
13C-PCB-189	87.8	10.0 - 145	
13C-PCB-202	86.2	10.0 - 145	
13C-PCB-205	95.2	10.0 - 145	
13C-PCB-206	92.7	10.0 - 145	
13C-PCB-208	92.9	10.0 - 145	
13C-PCB-209	79.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	91.1	10.0 - 145	
13C-PCB-178	82.6	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-006-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 98.83

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

Acquired: 11-11-2020
Total Conc: 36900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	25.3	-			PCB-51	38.1	-		
PCB-2	4.72	-			PCB-52	831	-	C	69
PCB-3	19.0	-			PCB-53	110	-		
PCB-4	105	-			PCB-54	2.36	-		
PCB-5	ND	0.980			PCB-55	16.1	-		
PCB-6	81.6	-			PCB-56	533	-	C	60
PCB-7	17.9	-			PCB-57	5.97	-		
PCB-8	377	-			PCB-58	2.25	-		
PCB-9	15.2	-			PCB-59	-	-	C042	42
PCB-10	5.42	-			PCB-60	-	-	C056	56
PCB-11	13.5	-			PCB-61	930	-	C	70
PCB-12	13.6	-			PCB-62	ND	0.725		
PCB-13	14.3	-			PCB-63	31.6	-		
PCB-14	ND	0.934			PCB-64	-	-	C041	41/71/72
PCB-15	164	-			PCB-65	ND	0.727		
PCB-16	173	-			PCB-66	743	-	C	76
PCB-17	272	-			PCB-67	29.1	-		
PCB-18	593	-			PCB-68	4.67	-		
PCB-19	56.6	-			PCB-69	-	-	C052	52
PCB-20	576	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	319	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.15	-	J		PCB-73	9.62	-		
PCB-24	33.2	-			PCB-74	385	-		
PCB-25	101	-			PCB-75	-	-	C048	48
PCB-26	164	-			PCB-76	-	-	C066	66
PCB-27	26.4	-			PCB-77	76.8	-		
PCB-28	896	-			PCB-78	ND	0.612		
PCB-29	7.71	-			PCB-79	13.2	-		
PCB-30	ND	0.968			PCB-80	ND	0.525		
PCB-31	735	-			PCB-81	20.6	-		
PCB-32	231	-			PCB-82	150	-		
PCB-33	-	-	C020	20/21	PCB-83	55.7	-	C	112
PCB-34	6.53	-			PCB-84	481	-	C	92
PCB-35	12.9	-			PCB-85	194	-	C	116
PCB-36	ND	0.817			PCB-86	ND	1.40		
PCB-37	204	-			PCB-87	438	-	C	117/125
PCB-38	5.95	-			PCB-88	172	-	C	91
PCB-39	ND	0.795			PCB-89	14.7	-		
PCB-40	124	-			PCB-90	1340	-	C	101
PCB-41	556	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	249	-	C	59	PCB-92	-	-	C084	84
PCB-43	609	-	C	49	PCB-93	ND	0.887		
PCB-44	625	-			PCB-94	7.14	-		
PCB-45	113	-			PCB-95	1010	-		
PCB-46	45.1	-			PCB-96	9.50	-		
PCB-47	235	-			PCB-97	385	-		
PCB-48	144	-	C	75	PCB-98	ND	0.923	C	102
PCB-49	-	-	C043	43	PCB-99	518	-		
PCB-50	2.52	-			PCB-100	9.50	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-006-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 98.83

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	490	-		
PCB-102	-	-	C098	98	PCB-152	2.41	-		
PCB-103	20.2	-			PCB-153	2090	-		
PCB-104	ND	0.674			PCB-154	39.6	-		
PCB-105	431	-			PCB-155	ND	0.624		
PCB-106	1060	-	C	118	PCB-156	178	-		
PCB-107	81.3	-	C	108	PCB-157	36.1	-		
PCB-108	-	-	C107	107	PCB-158	214	-	C	160
PCB-109	ND	0.954			PCB-159	20.6	-		
PCB-110	1340	-			PCB-160	-	-	C158	158
PCB-111	22.5	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.05			PCB-163	-	-	C138	138/164
PCB-114	24.4	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	6.31	-		
PCB-117	-	-	C087	87/125	PCB-167	72.6	-		
PCB-118	-	-	C	106	PCB-168	ND	0.732		
PCB-119	34.1	-			PCB-169	ND	0.733		
PCB-120	4.07	-			PCB-170	653	-		
PCB-121	ND	0.700			PCB-171	196	-		
PCB-122	15.5	-			PCB-172	110	-		
PCB-123	23.2	-			PCB-173	14.1	-		
PCB-124	52.0	-			PCB-174	605	-		
PCB-125	-	-	C087	87/117	PCB-175	28.4	-		
PCB-126	6.49	-			PCB-176	93.9	-		
PCB-127	ND	0.938			PCB-177	392	-		
PCB-128	290	-	C	162	PCB-178	140	-		
PCB-129	81.2	-			PCB-179	273	-		
PCB-130	127	-			PCB-180	1570	-		
PCB-131	61.4	-	C	133	PCB-181	ND	0.773		
PCB-132	583	-	C	161	PCB-182	798	-	C	187
PCB-133	-	-	C131	131	PCB-183	423	-		
PCB-134	109	-	C	143	PCB-184	ND	0.567		
PCB-135	236	-			PCB-185	71.3	-		
PCB-136	295	-			PCB-186	ND	0.603		
PCB-137	77.6	-			PCB-187	-	-	C182	182
PCB-138	2140	-	C	163/164	PCB-188	1.57	-	J	
PCB-139	1700	-	C	149	PCB-189	29.6	-		
PCB-140	11.3	-			PCB-190	138	-		
PCB-141	388	-			PCB-191	28.1	-		
PCB-142	ND	1.05			PCB-192	ND	0.645		
PCB-143	-	-	C134	134	PCB-193	74.9	-		
PCB-144	126	-			PCB-194	388	-		
PCB-145	ND	0.667			PCB-195	155	-		
PCB-146	297	-	C	165	PCB-196	426	-	C	203
PCB-147	35.0	-			PCB-197	16.2	-		
PCB-148	ND	0.854			PCB-198	22.0	-		
PCB-149	-	-	C139	139	PCB-199	368	-		
PCB-150	6.38	-			PCB-200	46.6	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-006-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 98.83

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	53.5	-		
PCB-202	73.4	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.750		
PCB-205	20.9	-		
PCB-206	164	-		
PCB-207	19.0	-		
PCB-208	38.4	-		
PCB-209	59.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	86.9	5.00 - 145	
13C-PCB-3	81.4	5.00 - 145	
13C-PCB-4	87.8	5.00 - 145	
13C-PCB-15	91.7	5.00 - 145	
13C-PCB-19	89.6	5.00 - 145	
13C-PCB-37	87.1	5.00 - 145	
13C-PCB-54	92.4	5.00 - 145	
13C-PCB-77	95.2	10.0 - 145	
13C-PCB-81	92.8	10.0 - 145	
13C-PCB-104	84.4	10.0 - 145	
13C-PCB-105	98.5	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	98.3	10.0 - 145	
13C-PCB-123	98.0	10.0 - 145	
13C-PCB-126	91.9	10.0 - 145	
13C-PCB-155	88.1	10.0 - 145	
13C-PCB-156	94.8	10.0 - 145	
13C-PCB-157	92.4	10.0 - 145	
13C-PCB-167	95.1	10.0 - 145	
13C-PCB-169	84.4	10.0 - 145	
13C-PCB-188	91.0	10.0 - 145	
13C-PCB-189	84.0	10.0 - 145	
13C-PCB-202	79.6	10.0 - 145	
13C-PCB-205	90.5	10.0 - 145	
13C-PCB-206	85.5	10.0 - 145	
13C-PCB-208	88.2	10.0 - 145	
13C-PCB-209	76.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	88.8	5.00 - 145	
13C-PCB-111	86.2	10.0 - 145	
13C-PCB-178	81.9	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-007-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.29

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

Acquired: 11-11-2020
Total Conc: 17900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	7.36	-			PCB-51	18.3	-		
PCB-2	1.88	-	J		PCB-52	395	-	C	69
PCB-3	4.64	-			PCB-53	50.5	-		
PCB-4	43.8	-			PCB-54	1.45	-	J	
PCB-5	ND	0.625			PCB-55	8.53	-		
PCB-6	44.3	-			PCB-56	314	-	C	60
PCB-7	8.24	-			PCB-57	2.92	-		
PCB-8	179	-			PCB-58	1.39	-	J	
PCB-9	7.23	-			PCB-59	-	-	C042	42
PCB-10	3.03	-			PCB-60	-	-	C056	56
PCB-11	8.05	-			PCB-61	419	-	C	70
PCB-12	7.79	-			PCB-62	ND	0.694		
PCB-13	4.76	-			PCB-63	14.7	-		
PCB-14	ND	0.596			PCB-64	-	-	C041	41/71/72
PCB-15	79.1	-			PCB-65	ND	0.695		
PCB-16	76.9	-			PCB-66	342	-	C	76
PCB-17	120	-			PCB-67	13.8	-		
PCB-18	262	-			PCB-68	2.99	-		
PCB-19	25.6	-			PCB-69	-	-	C052	52
PCB-20	324	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	194	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.650			PCB-73	4.15	-		
PCB-24	13.1	-			PCB-74	177	-		
PCB-25	62.5	-			PCB-75	-	-	C048	48
PCB-26	102	-			PCB-76	-	-	C066	66
PCB-27	14.7	-			PCB-77	39.5	-		
PCB-28	526	-			PCB-78	ND	0.640		
PCB-29	4.07	-			PCB-79	8.56	-		
PCB-30	ND	0.706			PCB-80	ND	0.503		
PCB-31	459	-			PCB-81	12.4	-		
PCB-32	102	-			PCB-82	70.5	-		
PCB-33	-	-	C020	20/21	PCB-83	25.0	-	C	112
PCB-34	2.82	-			PCB-84	223	-	C	92
PCB-35	15.9	-			PCB-85	91.4	-	C	116
PCB-36	ND	0.693			PCB-86	ND	0.836		
PCB-37	124	-			PCB-87	206	-	C	117/125
PCB-38	5.92	-			PCB-88	93.1	-	C	91
PCB-39	ND	0.675			PCB-89	6.51	-		
PCB-40	55.4	-			PCB-90	633	-	C	101
PCB-41	249	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	113	-	C	59	PCB-92	-	-	C084	84
PCB-43	291	-	C	49	PCB-93	ND	0.683		
PCB-44	285	-			PCB-94	4.02	-		
PCB-45	50.6	-			PCB-95	501	-		
PCB-46	20.8	-			PCB-96	4.28	-		
PCB-47	117	-			PCB-97	184	-		
PCB-48	64.0	-	C	75	PCB-98	ND	0.711	C	102
PCB-49	-	-	C043	43	PCB-99	266	-		
PCB-50	1.46	-	J		PCB-100	7.08	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-007-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.29

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	218	-		
PCB-102	-	-	C098	98	PCB-152	1.13	-	J	
PCB-103	12.0	-			PCB-153	1090	-		
PCB-104	ND	0.519			PCB-154	27.7	-		
PCB-105	196	-			PCB-155	ND	0.485		
PCB-106	505	-	C	118	PCB-156	80.4	-		
PCB-107	39.1	-	C	108	PCB-157	16.7	-		
PCB-108	-	-	C107	107	PCB-158	99.5	-	C	160
PCB-109	ND	0.571			PCB-159	11.0	-		
PCB-110	627	-			PCB-160	-	-	C158	158
PCB-111	13.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.630			PCB-163	-	-	C138	138/164
PCB-114	11.9	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.50	-		
PCB-117	-	-	C087	87/125	PCB-167	33.2	-		
PCB-118	-	-	C	106	PCB-168	2.53	-		
PCB-119	18.7	-			PCB-169	ND	0.581		
PCB-120	2.46	-			PCB-170	296	-		
PCB-121	ND	0.539			PCB-171	95.4	-		
PCB-122	7.59	-			PCB-172	51.9	-		
PCB-123	10.6	-			PCB-173	7.87	-		
PCB-124	24.4	-			PCB-174	299	-		
PCB-125	-	-	C087	87/117	PCB-175	12.1	-		
PCB-126	3.73	-			PCB-176	49.1	-		
PCB-127	ND	0.870			PCB-177	187	-		
PCB-128	138	-	C	162	PCB-178	69.9	-		
PCB-129	36.4	-			PCB-179	132	-		
PCB-130	59.3	-			PCB-180	739	-		
PCB-131	30.4	-	C	133	PCB-181	ND	0.647		
PCB-132	245	-	C	161	PCB-182	407	-	C	187
PCB-133	-	-	C131	131	PCB-183	209	-		
PCB-134	49.6	-	C	143	PCB-184	ND	0.474		
PCB-135	110	-			PCB-185	34.4	-		
PCB-136	133	-			PCB-186	ND	0.505		
PCB-137	38.7	-			PCB-187	-	-	C182	182
PCB-138	983	-	C	163/164	PCB-188	ND	0.553		
PCB-139	806	-	C	149	PCB-189	11.2	-		
PCB-140	7.52	-			PCB-190	63.9	-		
PCB-141	175	-			PCB-191	13.4	-		
PCB-142	ND	0.789			PCB-192	ND	0.540		
PCB-143	-	-	C134	134	PCB-193	37.1	-		
PCB-144	53.1	-			PCB-194	148	-		
PCB-145	ND	0.519			PCB-195	62.8	-		
PCB-146	146	-	C	165	PCB-196	205	-	C	203
PCB-147	17.8	-			PCB-197	8.51	-		
PCB-148	ND	0.664			PCB-198	10.9	-		
PCB-149	-	-	C139	139	PCB-199	179	-		
PCB-150	3.32	-			PCB-200	24.9	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-007-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.29

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	27.1	-		
PCB-202	40.2	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.771		
PCB-205	7.69	-		
PCB-206	66.1	-		
PCB-207	9.23	-		
PCB-208	18.2	-		
PCB-209	29.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	90.4	5.00 - 145	
13C-PCB-3	74.5	5.00 - 145	
13C-PCB-4	92.4	5.00 - 145	
13C-PCB-15	76.4	5.00 - 145	
13C-PCB-19	90.3	5.00 - 145	
13C-PCB-37	71.2	5.00 - 145	
13C-PCB-54	98.1	5.00 - 145	
13C-PCB-77	80.0	10.0 - 145	
13C-PCB-81	82.9	10.0 - 145	
13C-PCB-104	83.0	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	98.9	10.0 - 145	
13C-PCB-123	100	10.0 - 145	
13C-PCB-126	81.4	10.0 - 145	
13C-PCB-155	91.8	10.0 - 145	
13C-PCB-156	97.2	10.0 - 145	
13C-PCB-157	96.7	10.0 - 145	
13C-PCB-167	97.7	10.0 - 145	
13C-PCB-169	76.3	10.0 - 145	
13C-PCB-188	89.3	10.0 - 145	
13C-PCB-189	88.2	10.0 - 145	
13C-PCB-202	80.0	10.0 - 145	
13C-PCB-205	93.5	10.0 - 145	
13C-PCB-206	93.7	10.0 - 145	
13C-PCB-208	92.0	10.0 - 145	
13C-PCB-209	81.5	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	97.2	5.00 - 145	
13C-PCB-111	90.8	10.0 - 145	
13C-PCB-178	82.5	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-008-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.00 g
% Solids: 98.72

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

Acquired: 11-11-2020
Total Conc: 27200

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	20.0	-			PCB-51	29.9	-		
PCB-2	2.93	-			PCB-52	707	-	C	69
PCB-3	12.2	-			PCB-53	85.4	-		
PCB-4	81.9	-			PCB-54	1.84	-	J	
PCB-5	ND	0.997			PCB-55	12.3	-		
PCB-6	66.1	-			PCB-56	412	-	C	60
PCB-7	11.9	-			PCB-57	4.14	-		
PCB-8	290	-			PCB-58	2.03	-		
PCB-9	12.7	-			PCB-59	-	-	C042	42
PCB-10	5.09	-			PCB-60	-	-	C056	56
PCB-11	11.0	-			PCB-61	703	-	C	70
PCB-12	8.97	-			PCB-62	ND	0.887		
PCB-13	8.86	-			PCB-63	24.8	-		
PCB-14	ND	0.950			PCB-64	-	-	C041	41/71/72
PCB-15	99.3	-			PCB-65	ND	0.889		
PCB-16	134	-			PCB-66	532	-	C	76
PCB-17	195	-			PCB-67	20.9	-		
PCB-18	443	-			PCB-68	4.12	-		
PCB-19	39.4	-			PCB-69	-	-	C052	52
PCB-20	382	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	242	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.948			PCB-73	6.76	-		
PCB-24	25.1	-			PCB-74	292	-		
PCB-25	81.9	-			PCB-75	-	-	C048	48
PCB-26	134	-			PCB-76	-	-	C066	66
PCB-27	21.0	-			PCB-77	40.4	-		
PCB-28	666	-			PCB-78	ND	0.752		
PCB-29	6.18	-			PCB-79	10.9	-		
PCB-30	ND	0.994			PCB-80	ND	0.784		
PCB-31	610	-			PCB-81	17.2	-		
PCB-32	167	-			PCB-82	115	-		
PCB-33	-	-	C020	20/21	PCB-83	42.4	-	C	112
PCB-34	4.24	-			PCB-84	384	-	C	92
PCB-35	7.80	-			PCB-85	151	-	C	116
PCB-36	ND	1.01			PCB-86	ND	1.12		
PCB-37	112	-			PCB-87	349	-	C	117/125
PCB-38	5.42	-			PCB-88	143	-	C	91
PCB-39	ND	-			PCB-89	10.1	-		
PCB-40	98.3	-			PCB-90	980	-	C	101
PCB-41	464	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	208	-	C	59	PCB-92	-	-	C084	84
PCB-43	508	-	C	49	PCB-93	ND	1.13		
PCB-44	526	-			PCB-94	6.13	-		
PCB-45	85.3	-			PCB-95	783	-		
PCB-46	35.7	-			PCB-96	7.40	-		
PCB-47	205	-			PCB-97	310	-		
PCB-48	113	-	C	75	PCB-98	ND	1.17	C	102
PCB-49	-	-	C043	43	PCB-99	421	-		
PCB-50	1.93	-	J		PCB-100	9.66	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-008-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.00 g
% Solids: 98.72

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	341	-		
PCB-102	-	-	C098	98	PCB-152	1.92	-	J	
PCB-103	16.8	-			PCB-153	1560	-		
PCB-104	ND	0.856			PCB-154	36.7	-		
PCB-105	319	-			PCB-155	ND	0.845		
PCB-106	766	-	C	118	PCB-156	130	-		
PCB-107	65.0	-	C	108	PCB-157	28.2	-		
PCB-108	-	-	C107	107	PCB-158	160	-	C	160
PCB-109	ND	0.765			PCB-159	14.6	-		
PCB-110	1020	-			PCB-160	-	-	C158	158
PCB-111	19.7	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.844			PCB-163	-	-	C138	138/164
PCB-114	21.3	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.48	-		
PCB-117	-	-	C087	87/125	PCB-167	53.8	-		
PCB-118	-	-	C	106	PCB-168	ND	1.07		
PCB-119	27.2	-			PCB-169	ND	0.906		
PCB-120	3.09	-			PCB-170	454	-		
PCB-121	ND	0.889			PCB-171	133	-		
PCB-122	11.5	-			PCB-172	73.2	-		
PCB-123	14.6	-			PCB-173	9.96	-		
PCB-124	37.4	-			PCB-174	407	-		
PCB-125	-	-	C087	87/117	PCB-175	20.2	-		
PCB-126	4.44	-			PCB-176	62.4	-		
PCB-127	ND	1.22			PCB-177	267	-		
PCB-128	218	-	C	162	PCB-178	88.0	-		
PCB-129	61.5	-			PCB-179	184	-		
PCB-130	85.9	-			PCB-180	992	-		
PCB-131	48.4	-	C	133	PCB-181	ND	1.16		
PCB-132	356	-	C	161	PCB-182	525	-	C	187
PCB-133	-	-	C131	131	PCB-183	287	-		
PCB-134	78.7	-	C	143	PCB-184	ND	0.854		
PCB-135	179	-			PCB-185	48.3	-		
PCB-136	253	-			PCB-186	ND	0.909		
PCB-137	68.4	-			PCB-187	-	-	C182	182
PCB-138	1510	-	C	163/164	PCB-188	ND	0.995		
PCB-139	1200	-	C	149	PCB-189	16.7	-		
PCB-140	11.6	-			PCB-190	99.4	-		
PCB-141	275	-			PCB-191	19.7	-		
PCB-142	ND	1.54			PCB-192	ND	0.972		
PCB-143	-	-	C134	134	PCB-193	51.7	-		
PCB-144	78.0	-			PCB-194	239	-		
PCB-145	ND	0.904			PCB-195	97.1	-		
PCB-146	215	-	C	165	PCB-196	313	-	C	203
PCB-147	31.4	-			PCB-197	12.8	-		
PCB-148	ND	1.16			PCB-198	16.2	-		
PCB-149	-	-	C139	139	PCB-199	263	-		
PCB-150	6.46	-			PCB-200	30.3	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-008-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-ULM
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.00 g
% Solids: 98.72

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	35.5	-		
PCB-202	53.9	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.25		
PCB-205	13.6	-		
PCB-206	139	-		
PCB-207	15.5	-		
PCB-208	32.8	-		
PCB-209	51.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	99.2	5.00 - 145	
13C-PCB-3	89.0	5.00 - 145	
13C-PCB-4	101	5.00 - 145	
13C-PCB-15	100	5.00 - 145	
13C-PCB-19	103	5.00 - 145	
13C-PCB-37	92.4	5.00 - 145	
13C-PCB-54	96.7	5.00 - 145	
13C-PCB-77	109	10.0 - 145	
13C-PCB-81	108	10.0 - 145	
13C-PCB-104	90.6	10.0 - 145	
13C-PCB-105	109	10.0 - 145	
13C-PCB-114	102	10.0 - 145	
13C-PCB-118	106	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	91.6	10.0 - 145	
13C-PCB-155	85.2	10.0 - 145	
13C-PCB-156	99.9	10.0 - 145	
13C-PCB-157	96.8	10.0 - 145	
13C-PCB-167	102	10.0 - 145	
13C-PCB-169	90.9	10.0 - 145	
13C-PCB-188	94.7	10.0 - 145	
13C-PCB-189	90.8	10.0 - 145	
13C-PCB-202	83.3	10.0 - 145	
13C-PCB-205	100	10.0 - 145	
13C-PCB-206	91.4	10.0 - 145	
13C-PCB-208	100	10.0 - 145	
13C-PCB-209	88.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	102	5.00 - 145	
13C-PCB-111	89.5	10.0 - 145	
13C-PCB-178	87.6	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-010-SA
Client ID: LDW-Y3-SC-ENR-CA-CORE
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 97.38

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

Acquired: 11-11-2020
Total Conc: 76300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	21.3	-			PCB-51	67.6	-		
PCB-2	6.00	-			PCB-52	1720	-	C	69
PCB-3	21.3	-			PCB-53	196	-		
PCB-4	114	-			PCB-54	3.77	-		
PCB-5	ND	0.832			PCB-55	33.5	-		
PCB-6	117	-			PCB-56	1040	-	C	60
PCB-7	20.1	-			PCB-57	11.0	-		
PCB-8	508	-			PCB-58	4.74	-		
PCB-9	19.5	-			PCB-59	-	-	C042	42
PCB-10	7.03	-			PCB-60	-	-	C056	56
PCB-11	31.2	-			PCB-61	2080	-	C	70
PCB-12	30.6	-			PCB-62	ND	0.828		
PCB-13	27.8	-			PCB-63	63.2	-		
PCB-14	ND	0.794			PCB-64	-	-	C041	41/71/72
PCB-15	351	-			PCB-65	ND	0.830		
PCB-16	258	-			PCB-66	1620	-	C	76
PCB-17	360	-			PCB-67	61.5	-		
PCB-18	810	-			PCB-68	10.2	-		
PCB-19	67.7	-			PCB-69	-	-	C052	52
PCB-20	863	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	476	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.85	-	J		PCB-73	20.7	-		
PCB-24	42.5	-			PCB-74	820	-		
PCB-25	162	-			PCB-75	-	-	C048	48
PCB-26	270	-			PCB-76	-	-	C066	66
PCB-27	43.1	-			PCB-77	200	-		
PCB-28	1540	-			PCB-78	ND	0.639		
PCB-29	10.1	-			PCB-79	25.9	-		
PCB-30	ND	1.12			PCB-80	ND	0.599		
PCB-31	1090	-			PCB-81	48.9	-		
PCB-32	297	-			PCB-82	345	-		
PCB-33	-	-	C020	20/21	PCB-83	125	-	C	112
PCB-34	7.96	-			PCB-84	1030	-	C	92
PCB-35	31.2	-			PCB-85	445	-	C	116
PCB-36	ND	0.860			PCB-86	ND	1.86		
PCB-37	507	-			PCB-87	1020	-	C	117/125
PCB-38	8.49	-			PCB-88	427	-	C	91
PCB-39	ND	0.837			PCB-89	29.5	-		
PCB-40	221	-			PCB-90	2910	-	C	101
PCB-41	1050	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	464	-	C	59	PCB-92	-	-	C084	84
PCB-43	1160	-	C	49	PCB-93	ND	1.37		
PCB-44	1200	-			PCB-94	16.5	-		
PCB-45	183	-			PCB-95	2410	-		
PCB-46	72.4	-			PCB-96	20.9	-		
PCB-47	487	-			PCB-97	884	-		
PCB-48	224	-	C	75	PCB-98	ND	1.42	C	102
PCB-49	-	-	C043	43	PCB-99	1180	-		
PCB-50	4.52	-			PCB-100	28.2	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-010-SA
Client ID: LDW-Y3-SC-ENR-CA-CORE
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 97.38

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	935	-		
PCB-102	-	-	C098	98	PCB-152	5.20	-		
PCB-103	45.4	-			PCB-153	4530	-		
PCB-104	ND	1.04			PCB-154	104	-		
PCB-105	1120	-			PCB-155	ND	0.943		
PCB-106	2780	-	C	118	PCB-156	432	-		
PCB-107	213	-	C	108	PCB-157	94.8	-		
PCB-108	-	-	C107	107	PCB-158	448	-	C	160
PCB-109	ND	1.27			PCB-159	47.1	-		
PCB-110	3140	-			PCB-160	-	-	C158	158
PCB-111	57.7	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.40			PCB-163	-	-	C138	138/164
PCB-114	63.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	14.0	-		
PCB-117	-	-	C087	87/125	PCB-167	186	-		
PCB-118	-	-	C	106	PCB-168	ND	0.881		
PCB-119	72.0	-			PCB-169	ND	0.788		
PCB-120	9.83	-			PCB-170	1380	-		
PCB-121	ND	1.08			PCB-171	415	-		
PCB-122	33.5	-			PCB-172	234	-		
PCB-123	53.5	-			PCB-173	29.5	-		
PCB-124	122	-			PCB-174	1290	-		
PCB-125	-	-	C087	87/117	PCB-175	67.0	-		
PCB-126	16.4	-			PCB-176	208	-		
PCB-127	ND	1.07			PCB-177	865	-		
PCB-128	662	-	C	162	PCB-178	320	-		
PCB-129	188	-			PCB-179	598	-		
PCB-130	266	-			PCB-180	3400	-		
PCB-131	140	-	C	133	PCB-181	ND	0.953		
PCB-132	1100	-	C	161	PCB-182	1860	-	C	187
PCB-133	-	-	C131	131	PCB-183	943	-		
PCB-134	235	-	C	143	PCB-184	2.06	-		
PCB-135	516	-			PCB-185	160	-		
PCB-136	654	-			PCB-186	ND	0.744		
PCB-137	217	-			PCB-187	-	-	C182	182
PCB-138	4490	-	C	163/164	PCB-188	4.53	-		
PCB-139	3490	-	C	149	PCB-189	61.9	-		
PCB-140	30.6	-			PCB-190	284	-		
PCB-141	763	-			PCB-191	61.3	-		
PCB-142	ND	1.26			PCB-192	ND	0.795		
PCB-143	-	-	C134	134	PCB-193	160	-		
PCB-144	209	-			PCB-194	687	-		
PCB-145	ND	1.01			PCB-195	317	-		
PCB-146	597	-	C	165	PCB-196	812	-	C	203
PCB-147	91.3	-			PCB-197	29.5	-		
PCB-148	ND	1.29			PCB-198	39.5	-		
PCB-149	-	-	C139	139	PCB-199	731	-		
PCB-150	15.5	-			PCB-200	88.9	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-010-SA
Client ID: LDW-Y3-SC-ENR-CA-CORE
Matrix: Sediment
Batch No: X5502

Date Extracted: 10-28-2020
Date Received: 10-20-2020
Amount: 10.05 g
% Solids: 97.38

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

Acquired: 11-11-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	105	-		
PCB-202	168	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.05		
PCB-205	41.0	-		
PCB-206	370	-		
PCB-207	48.6	-		
PCB-208	97.1	-		
PCB-209	153	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	87.3	5.00 - 145	
13C-PCB-3	87.9	5.00 - 145	
13C-PCB-4	87.7	5.00 - 145	
13C-PCB-15	103	5.00 - 145	
13C-PCB-19	91.3	5.00 - 145	
13C-PCB-37	99.8	5.00 - 145	
13C-PCB-54	97.3	5.00 - 145	
13C-PCB-77	112	10.0 - 145	
13C-PCB-81	110	10.0 - 145	
13C-PCB-104	80.7	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	110	10.0 - 145	
13C-PCB-118	107	10.0 - 145	
13C-PCB-123	102	10.0 - 145	
13C-PCB-126	107	10.0 - 145	
13C-PCB-155	80.7	10.0 - 145	
13C-PCB-156	97.3	10.0 - 145	
13C-PCB-157	97.7	10.0 - 145	
13C-PCB-167	99.7	10.0 - 145	
13C-PCB-169	93.4	10.0 - 145	
13C-PCB-188	90.1	10.0 - 145	
13C-PCB-189	70.2	10.0 - 145	
13C-PCB-202	80.5	10.0 - 145	
13C-PCB-205	101	10.0 - 145	
13C-PCB-206	90.8	10.0 - 145	
13C-PCB-208	105	10.0 - 145	
13C-PCB-209	79.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	94.0	10.0 - 145	
13C-PCB-178	86.2	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-012-SA
Client ID: LDW-Y3-SC-ENR-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.31

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

Acquired: 11-10-2020
Total Conc: 85100

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	24.1	-			PCB-51	80.6	-		
PCB-2	6.31	-			PCB-52	2160	-	C	69
PCB-3	23.0	-			PCB-53	231	-		
PCB-4	140	-			PCB-54	4.97	-		
PCB-5	ND	1.52			PCB-55	54.1	-		
PCB-6	144	-			PCB-56	1160	-	C	60
PCB-7	23.0	-			PCB-57	16.4	-		
PCB-8	586	-			PCB-58	7.01	-		
PCB-9	22.9	-			PCB-59	-	-	C042	42
PCB-10	11.0	-			PCB-60	-	-	C056	56
PCB-11	38.0	-			PCB-61	2710	-	C	70
PCB-12	29.8	-			PCB-62	ND	1.41		
PCB-13	44.0	-			PCB-63	88.0	-		
PCB-14	ND	1.47			PCB-64	-	-	C041	41/71/72
PCB-15	401	-			PCB-65	ND	1.45		
PCB-16	370	-			PCB-66	2230	-	C	76
PCB-17	478	-			PCB-67	79.8	-		
PCB-18	1080	-			PCB-68	13.5	-		
PCB-19	87.0	-			PCB-69	-	-	C052	52
PCB-20	901	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	467	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	1.02			PCB-73	18.3	-		
PCB-24	62.1	-			PCB-74	1090	-		
PCB-25	168	-			PCB-75	-	-	C048	48
PCB-26	279	-			PCB-76	-	-	C066	66
PCB-27	51.7	-			PCB-77	221	-		
PCB-28	1320	-			PCB-78	ND	1.10		
PCB-29	9.90	-			PCB-79	33.6	-		
PCB-30	ND	1.37			PCB-80	ND	1.15		
PCB-31	1430	-			PCB-81	53.8	-		
PCB-32	372	-			PCB-82	357	-		
PCB-33	-	-	C020	20/21	PCB-83	133	-	C	112
PCB-34	7.41	-			PCB-84	1170	-	C	92
PCB-35	29.3	-			PCB-85	459	-	C	116
PCB-36	ND	1.09			PCB-86	ND	1.42		
PCB-37	590	-			PCB-87	1130	-	C	117/125
PCB-38	11.9	-			PCB-88	458	-	C	91
PCB-39	ND	1.11			PCB-89	29.5	-		
PCB-40	245	-			PCB-90	3200	-	C	101
PCB-41	1460	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	657	-	C	59	PCB-92	-	-	C084	84
PCB-43	1600	-	C	49	PCB-93	ND	1.45		
PCB-44	1630	-			PCB-94	19.2	-		
PCB-45	235	-			PCB-95	2560	-		
PCB-46	94.8	-			PCB-96	18.1	-		
PCB-47	597	-			PCB-97	955	-		
PCB-48	327	-	C	75	PCB-98	ND	1.45	C	102
PCB-49	-	-	C043	43	PCB-99	1320	-		
PCB-50	5.83	-			PCB-100	29.8	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-012-SA
Client ID: LDW-Y3-SC-ENR-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.31

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	1010	-		
PCB-102	-	-	C098	98	PCB-152	4.94	-		
PCB-103	51.7	-			PCB-153	4540	-		
PCB-104	ND	0.994			PCB-154	98.7	-		
PCB-105	1170	-			PCB-155	ND	1.27		
PCB-106	2890	-	C	118	PCB-156	481	-		
PCB-107	221	-	C	108	PCB-157	99.9	-		
PCB-108	-	-	C107	107	PCB-158	485	-	C	160
PCB-109	ND	1.04			PCB-159	41.3	-		
PCB-110	3120	-			PCB-160	-	-	C158	158
PCB-111	48.0	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.12			PCB-163	-	-	C138	138/164
PCB-114	67.7	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	12.9	-		
PCB-117	-	-	C087	87/125	PCB-167	195	-		
PCB-118	-	-	C	106	PCB-168	ND	1.14		
PCB-119	91.0	-			PCB-169	ND	1.13		
PCB-120	ND	0.947			PCB-170	1450	-		
PCB-121	ND	1.16			PCB-171	436	-		
PCB-122	35.6	-			PCB-172	261	-		
PCB-123	58.8	-			PCB-173	34.4	-		
PCB-124	127	-			PCB-174	1580	-		
PCB-125	-	-	C087	87/117	PCB-175	71.9	-		
PCB-126	17.4	-			PCB-176	221	-		
PCB-127	ND	1.59			PCB-177	887	-		
PCB-128	693	-	C	162	PCB-178	324	-		
PCB-129	195	-			PCB-179	617	-		
PCB-130	331	-			PCB-180	3320	-		
PCB-131	133	-	C	133	PCB-181	ND	1.24		
PCB-132	1190	-	C	161	PCB-182	1920	-	C	187
PCB-133	-	-	C131	131	PCB-183	945	-		
PCB-134	241	-	C	143	PCB-184	ND	0.908		
PCB-135	542	-			PCB-185	166	-		
PCB-136	613	-			PCB-186	ND	0.984		
PCB-137	172	-			PCB-187	-	-	C182	182
PCB-138	4760	-	C	163/164	PCB-188	4.47	-		
PCB-139	3730	-	C	149	PCB-189	64.1	-		
PCB-140	32.1	-			PCB-190	295	-		
PCB-141	773	-			PCB-191	56.6	-		
PCB-142	ND	1.60			PCB-192	ND	1.09		
PCB-143	-	-	C134	134	PCB-193	154	-		
PCB-144	230	-			PCB-194	888	-		
PCB-145	ND	1.37			PCB-195	369	-		
PCB-146	649	-	C	165	PCB-196	831	-	C	203
PCB-147	94.1	-			PCB-197	30.4	-		
PCB-148	783	-			PCB-198	59.6	-		
PCB-149	-	-	C139	139	PCB-199	772	-		
PCB-150	14.5	-			PCB-200	94.1	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-012-SA
Client ID: LDW-Y3-SC-ENR-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.31

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	112	-		
PCB-202	181	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.34		
PCB-205	49.1	-		
PCB-206	415	-		
PCB-207	52.1	-		
PCB-208	108	-		
PCB-209	155	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	100	5.00 - 145	
13C-PCB-3	90.2	5.00 - 145	
13C-PCB-4	90.5	5.00 - 145	
13C-PCB-15	124	5.00 - 145	
13C-PCB-19	105	5.00 - 145	
13C-PCB-37	117	5.00 - 145	
13C-PCB-54	90.1	5.00 - 145	
13C-PCB-77	117	10.0 - 145	
13C-PCB-81	115	10.0 - 145	
13C-PCB-104	95.9	10.0 - 145	
13C-PCB-105	113	10.0 - 145	
13C-PCB-114	113	10.0 - 145	
13C-PCB-118	114	10.0 - 145	
13C-PCB-123	117	10.0 - 145	
13C-PCB-126	120	10.0 - 145	
13C-PCB-155	95.9	10.0 - 145	
13C-PCB-156	108	10.0 - 145	
13C-PCB-157	108	10.0 - 145	
13C-PCB-167	103	10.0 - 145	
13C-PCB-169	107	10.0 - 145	
13C-PCB-188	94.8	10.0 - 145	
13C-PCB-189	87.0	10.0 - 145	
13C-PCB-202	95.3	10.0 - 145	
13C-PCB-205	94.2	10.0 - 145	
13C-PCB-206	91.4	10.0 - 145	
13C-PCB-208	95.4	10.0 - 145	
13C-PCB-209	80.5	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	92.4	5.00 - 145	
13C-PCB-111	94.3	10.0 - 145	
13C-PCB-178	90.6	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-013-SA
Client ID: LDW-Y3-SC-ENR-CD-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.25

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

Acquired: 11-10-2020
Total Conc: 85300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	29.2	-			PCB-51	91.1	-		
PCB-2	8.24	-			PCB-52	2260	-	C	69
PCB-3	26.3	-			PCB-53	252	-		
PCB-4	176	-			PCB-54	4.92	-		
PCB-5	ND	1.55			PCB-55	50.2	-		
PCB-6	152	-			PCB-56	1230	-	C	60
PCB-7	28.6	-			PCB-57	15.5	-		
PCB-8	690	-			PCB-58	7.50	-		
PCB-9	25.5	-			PCB-59	-	-	C042	42
PCB-10	10.5	-			PCB-60	-	-	C056	56
PCB-11	35.7	-			PCB-61	2670	-	C	70
PCB-12	36.0	-			PCB-62	ND	1.39		
PCB-13	33.4	-			PCB-63	83.3	-		
PCB-14	ND	1.50			PCB-64	-	-	C041	41/71/72
PCB-15	434	-			PCB-65	ND	1.43		
PCB-16	355	-			PCB-66	2190	-	C	76
PCB-17	518	-			PCB-67	78.7	-		
PCB-18	1190	-			PCB-68	9.90	-		
PCB-19	101	-			PCB-69	-	-	C052	52
PCB-20	1060	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	575	-			PCB-72	-	-	C041	41/64/71
PCB-23	2.16	-			PCB-73	20.7	-		
PCB-24	65.4	-			PCB-74	1050	-		
PCB-25	200	-			PCB-75	-	-	C048	48
PCB-26	337	-			PCB-76	-	-	C066	66
PCB-27	55.7	-			PCB-77	226	-		
PCB-28	1580	-			PCB-78	ND	1.03		
PCB-29	12.8	-			PCB-79	32.1	-		
PCB-30	ND	1.56			PCB-80	ND	1.14		
PCB-31	1710	-			PCB-81	51.1	-		
PCB-32	431	-			PCB-82	340	-		
PCB-33	-	-	C020	20/21	PCB-83	127	-	C	112
PCB-34	9.13	-			PCB-84	1140	-	C	92
PCB-35	32.5	-			PCB-85	427	-	C	116
PCB-36	ND	1.15			PCB-86	ND	1.35		
PCB-37	603	-			PCB-87	1090	-	C	117/125
PCB-38	ND	1.21			PCB-88	489	-	C	91
PCB-39	ND	1.17			PCB-89	32.6	-		
PCB-40	231	-			PCB-90	3120	-	C	101
PCB-41	1290	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	613	-	C	59	PCB-92	-	-	C084	84
PCB-43	1600	-	C	49	PCB-93	ND	1.61		
PCB-44	1580	-			PCB-94	19.6	-		
PCB-45	260	-			PCB-95	2680	-		
PCB-46	102	-			PCB-96	18.3	-		
PCB-47	588	-			PCB-97	942	-		
PCB-48	331	-	C	75	PCB-98	ND	1.61	C	102
PCB-49	-	-	C043	43	PCB-99	1290	-		
PCB-50	6.47	-			PCB-100	33.0	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-013-SA
Client ID: LDW-Y3-SC-ENR-CD-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.25

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	1020	-		
PCB-102	-	-	C098	98	PCB-152	3.86	-		
PCB-103	55.0	-			PCB-153	4630	-		
PCB-104	ND	1.11			PCB-154	101	-		
PCB-105	1200	-			PCB-155	ND	1.08		
PCB-106	2970	-	C	118	PCB-156	467	-		
PCB-107	226	-	C	108	PCB-157	101	-		
PCB-108	-	-	C107	107	PCB-158	485	-	C	160
PCB-109	ND	0.989			PCB-159	41.6	-		
PCB-110	2980	-			PCB-160	-	-	C158	158
PCB-111	70.9	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.07			PCB-163	-	-	C138	138/164
PCB-114	67.4	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	17.4	-		
PCB-117	-	-	C087	87/125	PCB-167	194	-		
PCB-118	-	-	C	106	PCB-168	ND	0.917		
PCB-119	84.1	-			PCB-169	ND	1.02		
PCB-120	ND	0.902			PCB-170	1440	-		
PCB-121	ND	1.29			PCB-171	401	-		
PCB-122	34.5	-			PCB-172	253	-		
PCB-123	57.8	-			PCB-173	28.4	-		
PCB-124	130	-			PCB-174	1570	-		
PCB-125	-	-	C087	87/117	PCB-175	57.6	-		
PCB-126	17.6	-			PCB-176	208	-		
PCB-127	ND	1.49			PCB-177	915	-		
PCB-128	687	-	C	162	PCB-178	312	-		
PCB-129	193	-			PCB-179	614	-		
PCB-130	333	-			PCB-180	3190	-		
PCB-131	144	-	C	133	PCB-181	ND	1.66		
PCB-132	1170	-	C	161	PCB-182	1930	-	C	187
PCB-133	-	-	C131	131	PCB-183	925	-		
PCB-134	235	-	C	143	PCB-184	ND	1.57		
PCB-135	565	-			PCB-185	162	-		
PCB-136	602	-			PCB-186	ND	1.32		
PCB-137	171	-			PCB-187	-	-	C182	182
PCB-138	4820	-	C	163/164	PCB-188	4.38	-		
PCB-139	3750	-	C	149	PCB-189	58.9	-		
PCB-140	32.3	-			PCB-190	281	-		
PCB-141	791	-			PCB-191	58.0	-		
PCB-142	ND	1.29			PCB-192	ND	1.46		
PCB-143	-	-	C134	134	PCB-193	163	-		
PCB-144	227	-			PCB-194	833	-		
PCB-145	ND	1.16			PCB-195	351	-		
PCB-146	661	-	C	165	PCB-196	878	-	C	203
PCB-147	94.9	-			PCB-197	37.3	-		
PCB-148	ND	1.52			PCB-198	41.5	-		
PCB-149	-	-	C139	139	PCB-199	808	-		
PCB-150	15.2	-			PCB-200	93.6	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-013-SA
Client ID: LDW-Y3-SC-ENR-CD-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 97.25

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	120	-		
PCB-202	181	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.15		
PCB-205	46.5	-		
PCB-206	418	-		
PCB-207	53.5	-		
PCB-208	107	-		
PCB-209	162	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	80.2	5.00 - 145	
13C-PCB-3	82.1	5.00 - 145	
13C-PCB-4	87.8	5.00 - 145	
13C-PCB-15	105	5.00 - 145	
13C-PCB-19	88.4	5.00 - 145	
13C-PCB-37	110	5.00 - 145	
13C-PCB-54	84.7	5.00 - 145	
13C-PCB-77	107	10.0 - 145	
13C-PCB-81	112	10.0 - 145	
13C-PCB-104	77.7	10.0 - 145	
13C-PCB-105	100	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	106	10.0 - 145	
13C-PCB-126	112	10.0 - 145	
13C-PCB-155	84.3	10.0 - 145	
13C-PCB-156	91.4	10.0 - 145	
13C-PCB-157	91.8	10.0 - 145	
13C-PCB-167	91.8	10.0 - 145	
13C-PCB-169	89.8	10.0 - 145	
13C-PCB-188	81.9	10.0 - 145	
13C-PCB-189	74.6	10.0 - 145	
13C-PCB-202	79.2	10.0 - 145	
13C-PCB-205	92.8	10.0 - 145	
13C-PCB-206	85.9	10.0 - 145	
13C-PCB-208	87.1	10.0 - 145	
13C-PCB-209	74.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	95.9	5.00 - 145	
13C-PCB-111	84.1	10.0 - 145	
13C-PCB-178	75.6	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.19

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

Acquired: 11-10-2020
Total Conc: 43300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	30.7	-			PCB-51	48.6	-		
PCB-2	5.61	-			PCB-52	1170	-	C	69
PCB-3	21.1	-			PCB-53	140	-		
PCB-4	118	-			PCB-54	2.66	-		
PCB-5	ND	0.786			PCB-55	26.8	-		
PCB-6	113	-			PCB-56	684	-	C	60
PCB-7	17.2	-			PCB-57	6.34	-		
PCB-8	472	-			PCB-58	3.63	-		
PCB-9	24.2	-			PCB-59	-	-	C042	42
PCB-10	10.9	-			PCB-60	-	-	C056	56
PCB-11	14.7	-			PCB-61	1320	-	C	70
PCB-12	17.0	-			PCB-62	ND	0.742		
PCB-13	15.7	-			PCB-63	45.7	-		
PCB-14	ND	0.760			PCB-64	-	-	C041	41/71/72
PCB-15	195	-			PCB-65	ND	0.765		
PCB-16	203	-			PCB-66	1070	-	C	76
PCB-17	297	-			PCB-67	40.8	-		
PCB-18	664	-			PCB-68	4.60	-		
PCB-19	62.7	-			PCB-69	-	-	C052	52
PCB-20	766	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	389	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.99	-	J		PCB-73	12.5	-		
PCB-24	35.7	-			PCB-74	552	-		
PCB-25	139	-			PCB-75	-	-	C048	48
PCB-26	230	-			PCB-76	-	-	C066	66
PCB-27	33.6	-			PCB-77	84.5	-		
PCB-28	1050	-			PCB-78	ND	0.644		
PCB-29	10.4	-			PCB-79	17.4	-		
PCB-30	ND	0.780			PCB-80	ND	0.607		
PCB-31	1230	-			PCB-81	28.7	-		
PCB-32	246	-			PCB-82	159	-		
PCB-33	-	-	C020	20/21	PCB-83	58.4	-	C	112
PCB-34	6.36	-			PCB-84	517	-	C	92
PCB-35	14.7	-			PCB-85	196	-	C	116
PCB-36	ND	0.878			PCB-86	ND	1.25		
PCB-37	225	-			PCB-87	489	-	C	117/125
PCB-38	ND	0.925			PCB-88	260	-	C	91
PCB-39	ND	0.897			PCB-89	14.8	-		
PCB-40	124	-			PCB-90	1440	-	C	101
PCB-41	641	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	296	-	C	59	PCB-92	-	-	C084	84
PCB-43	830	-	C	49	PCB-93	ND	1.38		
PCB-44	770	-			PCB-94	10.4	-		
PCB-45	145	-			PCB-95	1470	-		
PCB-46	56.2	-			PCB-96	8.56	-		
PCB-47	311	-			PCB-97	416	-		
PCB-48	180	-	C	75	PCB-98	ND	1.38	C	102
PCB-49	-	-	C043	43	PCB-99	583	-		
PCB-50	4.29	-			PCB-100	14.7	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.19

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	546	-		
PCB-102	-	-	C098	98	PCB-152	2.10	-		
PCB-103	22.1	-			PCB-153	2350	-		
PCB-104	ND	0.945			PCB-154	44.5	-		
PCB-105	493	-			PCB-155	ND	0.821		
PCB-106	1230	-	C	118	PCB-156	213	-		
PCB-107	100	-	C	108	PCB-157	40.4	-		
PCB-108	-	-	C107	107	PCB-158	243	-	C	160
PCB-109	ND	0.915			PCB-159	25.1	-		
PCB-110	1320	-			PCB-160	-	-	C158	158
PCB-111	27.7	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.987			PCB-163	-	-	C138	138/164
PCB-114	29.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	6.24	-		
PCB-117	-	-	C087	87/125	PCB-167	81.5	-		
PCB-118	-	-	C	106	PCB-168	3.43	-		
PCB-119	38.3	-			PCB-169	ND	0.925		
PCB-120	3.78	-			PCB-170	730	-		
PCB-121	ND	1.10			PCB-171	210	-		
PCB-122	15.1	-			PCB-172	129	-		
PCB-123	23.4	-			PCB-173	16.3	-		
PCB-124	56.4	-			PCB-174	769	-		
PCB-125	-	-	C087	87/117	PCB-175	34.8	-		
PCB-126	7.77	-			PCB-176	106	-		
PCB-127	ND	0.894			PCB-177	441	-		
PCB-128	323	-	C	162	PCB-178	157	-		
PCB-129	87.3	-			PCB-179	302	-		
PCB-130	153	-			PCB-180	1680	-		
PCB-131	68.4	-	C	133	PCB-181	ND	0.889		
PCB-132	590	-	C	161	PCB-182	936	-	C	187
PCB-133	-	-	C131	131	PCB-183	461	-		
PCB-134	120	-	C	143	PCB-184	ND	0.650		
PCB-135	287	-			PCB-185	80.1	-		
PCB-136	308	-			PCB-186	ND	0.704		
PCB-137	78.1	-			PCB-187	-	-	C182	182
PCB-138	2400	-	C	163/164	PCB-188	1.86	-	J	
PCB-139	1910	-	C	149	PCB-189	29.3	-		
PCB-140	13.1	-			PCB-190	151	-		
PCB-141	427	-			PCB-191	30.9	-		
PCB-142	ND	1.22			PCB-192	ND	0.781		
PCB-143	-	-	C134	134	PCB-193	82.1	-		
PCB-144	120	-			PCB-194	413	-		
PCB-145	ND	0.883			PCB-195	175	-		
PCB-146	324	-	C	165	PCB-196	396	-	C	203
PCB-147	42.2	-			PCB-197	17.0	-		
PCB-148	ND	1.16			PCB-198	21.1	-		
PCB-149	-	-	C139	139	PCB-199	358	-		
PCB-150	6.72	-			PCB-200	44.8	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 99.19

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	53.8	-		
PCB-202	76.0	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.808		
PCB-205	22.6	-		
PCB-206	160	-		
PCB-207	19.9	-		
PCB-208	40.4	-		
PCB-209	66.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	85.1	5.00 - 145	
13C-PCB-3	79.4	5.00 - 145	
13C-PCB-4	93.8	5.00 - 145	
13C-PCB-15	90.9	5.00 - 145	
13C-PCB-19	89.0	5.00 - 145	
13C-PCB-37	95.9	5.00 - 145	
13C-PCB-54	91.6	5.00 - 145	
13C-PCB-77	103	10.0 - 145	
13C-PCB-81	107	10.0 - 145	
13C-PCB-104	78.7	10.0 - 145	
13C-PCB-105	116	10.0 - 145	
13C-PCB-114	118	10.0 - 145	
13C-PCB-118	115	10.0 - 145	
13C-PCB-123	120	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	91.0	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	104	10.0 - 145	
13C-PCB-169	92.5	10.0 - 145	
13C-PCB-188	93.9	10.0 - 145	
13C-PCB-189	84.4	10.0 - 145	
13C-PCB-202	88.2	10.0 - 145	
13C-PCB-205	99.8	10.0 - 145	
13C-PCB-206	93.1	10.0 - 145	
13C-PCB-208	92.8	10.0 - 145	
13C-PCB-209	82.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	109	5.00 - 145	
13C-PCB-111	92.0	10.0 - 145	
13C-PCB-178	82.8	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.04 g
% Solids: 97.37

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

Acquired: 11-10-2020
Total Conc: 51700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	21.4	-			PCB-51	56.3	-		
PCB-2	4.85	-			PCB-52	1320	-	C	69
PCB-3	15.4	-			PCB-53	162	-		
PCB-4	125	-			PCB-54	3.78	-		
PCB-5	ND	1.29			PCB-55	32.3	-		
PCB-6	112	-			PCB-56	752	-	C	60
PCB-7	14.5	-			PCB-57	7.42	-		
PCB-8	445	-			PCB-58	4.37	-		
PCB-9	21.2	-			PCB-59	-	-	C042	42
PCB-10	7.21	-			PCB-60	-	-	C056	56
PCB-11	20.7	-			PCB-61	1510	-	C	70
PCB-12	19.1	-			PCB-62	ND	1.06		
PCB-13	19.2	-			PCB-63	49.8	-		
PCB-14	ND	1.25			PCB-64	-	-	C041	41/71/72
PCB-15	217	-			PCB-65	ND	1.09		
PCB-16	233	-			PCB-66	1240	-	C	76
PCB-17	323	-			PCB-67	46.1	-		
PCB-18	703	-			PCB-68	6.42	-		
PCB-19	65.1	-			PCB-69	-	-	C052	52
PCB-20	729	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	395	-			PCB-72	-	-	C041	41/64/71
PCB-23	2.06	-			PCB-73	13.1	-		
PCB-24	38.5	-			PCB-74	611	-		
PCB-25	145	-			PCB-75	-	-	C048	48
PCB-26	242	-			PCB-76	-	-	C066	66
PCB-27	38.3	-			PCB-77	113	-		
PCB-28	1080	-			PCB-78	ND	0.834		
PCB-29	8.69	-			PCB-79	21.7	-		
PCB-30	ND	1.19			PCB-80	ND	0.867		
PCB-31	1200	-			PCB-81	32.7	-		
PCB-32	241	-			PCB-82	204	-		
PCB-33	-	-	C020	20/21	PCB-83	73.9	-	C	112
PCB-34	7.05	-			PCB-84	671	-	C	92
PCB-35	27.0	-			PCB-85	248	-	C	116
PCB-36	ND	1.18			PCB-86	ND	1.25		
PCB-37	296	-			PCB-87	634	-	C	117/125
PCB-38	8.83	-			PCB-88	315	-	C	91
PCB-39	ND	1.21			PCB-89	17.8	-		
PCB-40	141	-			PCB-90	1860	-	C	101
PCB-41	728	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	335	-	C	59	PCB-92	-	-	C084	84
PCB-43	943	-	C	49	PCB-93	ND	1.67		
PCB-44	865	-			PCB-94	11.9	-		
PCB-45	151	-			PCB-95	1790	-		
PCB-46	60.7	-			PCB-96	12.6	-		
PCB-47	351	-			PCB-97	523	-		
PCB-48	199	-	C	75	PCB-98	ND	1.68	C	102
PCB-49	-	-	C043	43	PCB-99	750	-		
PCB-50	4.20	-			PCB-100	20.9	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.04 g
% Solids: 97.37

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	645	-		
PCB-102	-	-	C098	98	PCB-152	3.05	-		
PCB-103	33.9	-			PCB-153	2880	-		
PCB-104	ND	1.15			PCB-154	59.5	-		
PCB-105	688	-			PCB-155	ND	0.988		
PCB-106	1630	-	C	118	PCB-156	279	-		
PCB-107	130	-	C	108	PCB-157	59.0	-		
PCB-108	-	-	C107	107	PCB-158	305	-	C	160
PCB-109	ND	0.916			PCB-159	26.6	-		
PCB-110	1740	-			PCB-160	-	-	C158	158
PCB-111	36.0	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.988			PCB-163	-	-	C138	138/164
PCB-114	39.8	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	9.96	-		
PCB-117	-	-	C087	87/125	PCB-167	114	-		
PCB-118	-	-	C	106	PCB-168	ND	1.17		
PCB-119	52.3	-			PCB-169	ND	1.29		
PCB-120	6.32	-			PCB-170	854	-		
PCB-121	ND	1.34			PCB-171	270	-		
PCB-122	19.4	-			PCB-172	158	-		
PCB-123	32.5	-			PCB-173	23.8	-		
PCB-124	75.3	-			PCB-174	951	-		
PCB-125	-	-	C087	87/117	PCB-175	32.1	-		
PCB-126	9.09	-			PCB-176	135	-		
PCB-127	ND	1.10			PCB-177	551	-		
PCB-128	432	-	C	162	PCB-178	200	-		
PCB-129	116	-			PCB-179	387	-		
PCB-130	204	-			PCB-180	1960	-		
PCB-131	86.0	-	C	133	PCB-181	ND	1.27		
PCB-132	717	-	C	161	PCB-182	1160	-	C	187
PCB-133	-	-	C131	131	PCB-183	574	-		
PCB-134	151	-	C	143	PCB-184	ND	0.927		
PCB-135	341	-			PCB-185	108	-		
PCB-136	372	-			PCB-186	ND	1.00		
PCB-137	107	-			PCB-187	-	-	C182	182
PCB-138	2960	-	C	163/164	PCB-188	2.66	-		
PCB-139	2320	-	C	149	PCB-189	32.9	-		
PCB-140	19.8	-			PCB-190	182	-		
PCB-141	498	-			PCB-191	33.0	-		
PCB-142	ND	1.64			PCB-192	ND	1.11		
PCB-143	-	-	C134	134	PCB-193	96.8	-		
PCB-144	141	-			PCB-194	499	-		
PCB-145	ND	1.06			PCB-195	212	-		
PCB-146	406	-	C	165	PCB-196	501	-	C	203
PCB-147	60.5	-			PCB-197	19.9	-		
PCB-148	ND	1.39			PCB-198	25.0	-		
PCB-149	-	-	C139	139	PCB-199	467	-		
PCB-150	9.68	-			PCB-200	54.3	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.04 g
% Solids: 97.37

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	70.5	-		
PCB-202	108	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.16		
PCB-205	29.0	-		
PCB-206	266	-		
PCB-207	29.9	-		
PCB-208	64.1	-		
PCB-209	102	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	79.1	5.00 - 145	
13C-PCB-3	81.9	5.00 - 145	
13C-PCB-4	93.3	5.00 - 145	
13C-PCB-15	107	5.00 - 145	
13C-PCB-19	89.7	5.00 - 145	
13C-PCB-37	105	5.00 - 145	
13C-PCB-54	92.5	5.00 - 145	
13C-PCB-77	114	10.0 - 145	
13C-PCB-81	122	10.0 - 145	
13C-PCB-104	78.1	10.0 - 145	
13C-PCB-105	113	10.0 - 145	
13C-PCB-114	114	10.0 - 145	
13C-PCB-118	115	10.0 - 145	
13C-PCB-123	117	10.0 - 145	
13C-PCB-126	117	10.0 - 145	
13C-PCB-155	92.3	10.0 - 145	
13C-PCB-156	101	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	100	10.0 - 145	
13C-PCB-169	92.3	10.0 - 145	
13C-PCB-188	90.1	10.0 - 145	
13C-PCB-189	77.2	10.0 - 145	
13C-PCB-202	84.7	10.0 - 145	
13C-PCB-205	100	10.0 - 145	
13C-PCB-206	92.7	10.0 - 145	
13C-PCB-208	98.6	10.0 - 145	
13C-PCB-209	80.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	107	5.00 - 145	
13C-PCB-111	88.0	10.0 - 145	
13C-PCB-178	79.2	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13416-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.07 g
% Solids: 98.82

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

Acquired: 11-10-2020
Total Conc: 35100

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	21.3	-			PCB-51	37.5	-		
PCB-2	3.89	-			PCB-52	919	-	C	69
PCB-3	10.1	-			PCB-53	109	-		
PCB-4	123	-			PCB-54	2.61	-		
PCB-5	ND	0.920			PCB-55	21.4	-		
PCB-6	98.5	-			PCB-56	520	-	C	60
PCB-7	17.8	-			PCB-57	4.84	-		
PCB-8	423	-			PCB-58	2.81	-		
PCB-9	17.7	-			PCB-59	-	-	C042	42
PCB-10	8.36	-			PCB-60	-	-	C056	56
PCB-11	12.8	-			PCB-61	986	-	C	70
PCB-12	12.0	-			PCB-62	ND	0.701		
PCB-13	10.6	-			PCB-63	34.1	-		
PCB-14	ND	0.889			PCB-64	-	-	C041	41/71/72
PCB-15	130	-			PCB-65	ND	0.723		
PCB-16	179	-			PCB-66	783	-	C	76
PCB-17	262	-			PCB-67	28.2	-		
PCB-18	623	-			PCB-68	5.63	-		
PCB-19	55.5	-			PCB-69	-	-	C052	52
PCB-20	595	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	317	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.77	-	J		PCB-73	8.57	-		
PCB-24	31.1	-			PCB-74	398	-		
PCB-25	115	-			PCB-75	-	-	C048	48
PCB-26	195	-			PCB-76	-	-	C066	66
PCB-27	32.3	-			PCB-77	54.6	-		
PCB-28	897	-			PCB-78	ND	0.609		
PCB-29	7.86	-			PCB-79	14.9	-		
PCB-30	ND	0.883			PCB-80	ND	0.574		
PCB-31	957	-			PCB-81	24.2	-		
PCB-32	229	-			PCB-82	139	-		
PCB-33	-	-	C020	20/21	PCB-83	50.6	-	C	112
PCB-34	5.81	-			PCB-84	439	-	C	92
PCB-35	8.73	-			PCB-85	168	-	C	116
PCB-36	ND	0.945			PCB-86	ND	1.18		
PCB-37	152	-			PCB-87	431	-	C	117/125
PCB-38	8.75	-			PCB-88	231	-	C	91
PCB-39	ND	0.964			PCB-89	11.4	-		
PCB-40	98.1	-			PCB-90	1220	-	C	101
PCB-41	457	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	210	-	C	59	PCB-92	-	-	C084	84
PCB-43	632	-	C	49	PCB-93	ND	0.928		
PCB-44	556	-			PCB-94	9.15	-		
PCB-45	105	-			PCB-95	1320	-		
PCB-46	43.8	-			PCB-96	8.68	-		
PCB-47	234	-			PCB-97	364	-		
PCB-48	132	-	C	75	PCB-98	ND	0.929	C	102
PCB-49	-	-	C043	43	PCB-99	502	-		
PCB-50	2.70	-			PCB-100	16.4	-		

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

EPA Method 1668
PCBs

FAL ID: 13416-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.07 g
% Solids: 98.82

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	417	-		
PCB-102	-	-	C098	98	PCB-152	2.06	-		
PCB-103	23.9	-			PCB-153	1910	-		
PCB-104	ND	0.636			PCB-154	39.5	-		
PCB-105	433	-			PCB-155	ND	0.686		
PCB-106	1020	-	C	118	PCB-156	178	-		
PCB-107	84.9	-	C	108	PCB-157	36.9	-		
PCB-108	-	-	C107	107	PCB-158	201	-	C	160
PCB-109	ND	0.866			PCB-159	17.4	-		
PCB-110	1160	-			PCB-160	-	-	C158	158
PCB-111	23.7	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.935			PCB-163	-	-	C138	138/164
PCB-114	26.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	6.24	-		
PCB-117	-	-	C087	87/125	PCB-167	69.5	-		
PCB-118	-	-	C	106	PCB-168	ND	0.906		
PCB-119	34.2	-			PCB-169	ND	0.974		
PCB-120	2.95	-			PCB-170	590	-		
PCB-121	ND	0.741			PCB-171	166	-		
PCB-122	15.1	-			PCB-172	97.0	-		
PCB-123	18.4	-			PCB-173	11.3	-		
PCB-124	46.7	-			PCB-174	604	-		
PCB-125	-	-	C087	87/117	PCB-175	23.5	-		
PCB-126	5.79	-			PCB-176	83.3	-		
PCB-127	ND	0.906			PCB-177	356	-		
PCB-128	280	-	C	162	PCB-178	124	-		
PCB-129	74.1	-			PCB-179	243	-		
PCB-130	109	-			PCB-180	1340	-		
PCB-131	56.8	-	C	133	PCB-181	ND	0.905		
PCB-132	452	-	C	161	PCB-182	743	-	C	187
PCB-133	-	-	C131	131	PCB-183	370	-		
PCB-134	97.8	-	C	143	PCB-184	ND	0.662		
PCB-135	222	-			PCB-185	64.8	-		
PCB-136	247	-			PCB-186	ND	0.717		
PCB-137	84.4	-			PCB-187	-	-	C182	182
PCB-138	1950	-	C	163/164	PCB-188	1.79	-	J	
PCB-139	1530	-	C	149	PCB-189	23.7	-		
PCB-140	13.1	-			PCB-190	118	-		
PCB-141	333	-			PCB-191	22.7	-		
PCB-142	ND	1.27			PCB-192	ND	0.795		
PCB-143	-	-	C134	134	PCB-193	62.6	-		
PCB-144	96.5	-			PCB-194	285	-		
PCB-145	ND	0.738			PCB-195	131	-		
PCB-146	260	-	C	165	PCB-196	350	-	C	203
PCB-147	39.9	-			PCB-197	13.8	-		
PCB-148	ND	0.969			PCB-198	15.1	-		
PCB-149	-	-	C139	139	PCB-199	324	-		
PCB-150	6.26	-			PCB-200	37.1	-		

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

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13416-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.07 g
% Solids: 98.82

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	44.8	-		
PCB-202	65.0	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.05		
PCB-205	17.7	-		
PCB-206	137	-		
PCB-207	17.4	-		
PCB-208	37.8	-		
PCB-209	59.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	76.2	5.00 - 145	
13C-PCB-3	72.4	5.00 - 145	
13C-PCB-4	91.3	5.00 - 145	
13C-PCB-15	89.3	5.00 - 145	
13C-PCB-19	78.4	5.00 - 145	
13C-PCB-37	88.6	5.00 - 145	
13C-PCB-54	91.7	5.00 - 145	
13C-PCB-77	100	10.0 - 145	
13C-PCB-81	107	10.0 - 145	
13C-PCB-104	73.4	10.0 - 145	
13C-PCB-105	111	10.0 - 145	
13C-PCB-114	114	10.0 - 145	
13C-PCB-118	111	10.0 - 145	
13C-PCB-123	114	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	88.2	10.0 - 145	
13C-PCB-156	100	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	99.9	10.0 - 145	
13C-PCB-169	88.8	10.0 - 145	
13C-PCB-188	85.1	10.0 - 145	
13C-PCB-189	79.3	10.0 - 145	
13C-PCB-202	75.9	10.0 - 145	
13C-PCB-205	106	10.0 - 145	
13C-PCB-206	96.9	10.0 - 145	
13C-PCB-208	99.0	10.0 - 145	
13C-PCB-209	84.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	109	5.00 - 145	
13C-PCB-111	89.5	10.0 - 145	
13C-PCB-178	78.8	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

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.: 13416

Temperature: 0 °C

Chain of Custody

www.frontieranalytical.com

Please Print in Pen **Page** 1 **of** 2

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

REPORT INFORMATION	REPORT DISTRIBUTION (email only is preferred)	ADDITIONAL INSTRUCTIONS
Report Level: ☐ I/II ☐ III ☑ IV	☐ Hardcopy	EDD format should be as developed with FloydlSnider and Saylor Data Solutions
☑ EDD: ☐ FAL Basic ☐ Geotracker ☑ Other: FSI ☐ Custom: Contact FAL	☐ CD (.pdf including EDDs if requested)	
	☑ Email (.pdf including EDDs if requested)	
☐ California State Drinking Water Form		
System #: Source #:		
Sampler: Employer:		

**CONGENERS	**TEQ
☐ 2,3,7,8-TCDD only	☐ 1998 WHO
☐ 2,3,7,8-TCDD/F only	☐ 2005 WHO
☐ PCDD/F (Cl_4-Cl_8)	☐ 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-SC-ENR-CA-ULM	10/16/20	1300	sediment	1								✓			
2	LDW-Y3-SC-ENR-CB-ULM	10/16/20	1245	sediment	1											hold
3	LDW-Y3-SC-ENR-CC-ULM	10/16/20	1215	sediment	1								✓			
4	LDW-Y3-SC-ENR-CD-ULM	10/16/20	1105	sediment	1								✓			
5	LDW-Y3-SC-ENR-CE-ULM	10/16/20	1050	sediment	1											hold
6	LDW-Y3-SC-ENR+AC-CA-ULM	10/16/20	1230	sediment	1								✓			
7	LDW-Y3-SC-ENR+AC-CB-ULM	10/16/20	1200	sediment	1								✓			
8	LDW-Y3-SC-ENR+AC-CC-ULM	10/16/20	1135	sediment	1								✓			
9	LDW-Y3-SC-ENR+AC-CE-ULM	10/16/20	1145	sediment	1											hold
10																
11																
12																
13																
14																
15																

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
Gretchen Heavner Gretchen Heavner	10/16/20	1500	Julia Baum Julia Baum	10/16/20	1500
Michelle Knowlen Michelle Knowlen	10/19/20	1200	Kelly Zapp Kelly Zapp	10/20/2020	1000

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

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

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

FAL USE ONLY
Laboratory Project No.: 13416
Temperature: 0 °C

Chain of Custody

www.frontieranalytical.com

Please Print in Pen Page 2 of 2

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 FloydlSnider 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
10	1	LDW-Y3-SC-ENR-CA-CORE	10/16/20	1255	sediment	1								✓			
11	2	LDW-Y3-SC-ENR-CB-CORE	10/16/20	1240	sediment	1											hold
12	3	LDW-Y3-SC-ENR-CC-CORE	10/16/20	1210	sediment	1								✓			
13	4	LDW-Y3-SC-ENR-CD-CORE	10/16/20	1100	sediment	1								✓			
14	5	LDW-Y3-SC-ENR-CE-CORE	10/16/20	1045	sediment	1											hold
15	6	LDW-Y3-SC-ENR+AC-CA-CORE	10/16/20	1225	sediment	1								✓			
16	7	LDW-Y3-SC-ENR+AC-CB-CORE	10/16/20	1155	sediment	1								✓			
17	8	LDW-Y3-SC-ENR+AC-CC-CORE	10/16/20	1130	sediment	1								✓			
18	9	LDW-Y3-SC-ENR+AC-CD-CORE	10/16/20	1035	sediment	1											hold
19	10	LDW-Y3-SC-ENR+AC-CE-CORE	10/16/20	1140	sediment	1											hold
	11																
	12																
	13																
	14																
	15																

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
Gretchen Heavner	10/16/20	1500	Julia Baum	10/16/20	1500
Michelle Knowlen	10/19/20	1200	[illegible]	10/20/2020	100

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

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

Kathy Zipp

From: Gretchen Heavner <Gretchen.Heavner@floydsnider.com>
Sent: Monday, October 19, 2020 3:58 PM
To: Brad Silverbush; Kathy Zipp
Subject: KC ENR-AC Pilot Study
Attachments: SedimentSamplesToAnalyze.xlsx

Hi there! I just wanted to let you know that the last of the samples shipped today and should arrive tomorrow. The tracking number is 771836685890. This is the complete list of samples that should be analyzed. You may have some there on hold that don't need to be analyzed at this time, so please check this list. Thanks and let me know if you have any questions!

Gretchen Heavner, Ph.D.
FLOYD | SNIDER
601 Union Street, Suite 600 | Seattle, WA 98101
tel: 206.292.2078 | fax: 206.682.7867
Gretchen.Heavner@floydsnider.com | www.floydsnider.com

	Sample ID	Sample Collection Date	
1	LDW-Y3-SU-ENR-CA-CORE	7/24/20 9:25 AM	13237
2	LDW-Y3-SU-ENR-CB-CORE	7/24/20 9:30 AM	
3	LDW-Y3-SU-ENR-CC-CORE	7/24/20 9:40 AM	
6	LDW-Y3-SU-ENR+AC-CA-CORE	7/24/20 10:25 AM	
8	LDW-Y3-SU-ENR+AC-CC-CORE	7/24/20 10:40 AM	
9	LDW-Y3-SU-ENR+AC-CD-CORE	7/24/20 10:45 AM	
2	LDW-Y3-IN-ENR-CB-CORE	10/1/20 10:20 AM	13376
3	LDW-Y3-IN-ENR-CC-CORE	10/1/20 10:25 AM	
4	LDW-Y3-IN-ENR-CD-CORE	10/1/20 10:30 AM	
6	LDW-Y3-IN-ENR+AC-CA-CORE	10/1/20 10:50 AM	
7	LDW-Y3-IN-ENR+AC-CB-CORE	10/1/20 10:55 AM	
8	LDW-Y3-IN-ENR+AC-CC-CORE	10/1/20 11:00 AM	
10	LDW-Y3-SC-ENR-CA-CORE	10/16/20 12:55 PM	
12	LDW-Y3-SC-ENR-CC-CORE	10/16/20 12:10 PM	13416
13	LDW-Y3-SC-ENR-CD-CORE	10/16/20 11:00 AM	
15	LDW-Y3-SC-ENR+AC-CA-CORE	10/16/20 12:25 PM	
16	LDW-Y3-SC-ENR+AC-CB-CORE	10/16/20 11:55 AM	
17	LDW-Y3-SC-ENR+AC-CC-CORE	10/16/20 11:30 AM	
1	LDW-Y3-SC-ENR-CA-ULM	10/16/20 1:00 PM	
3	LDW-Y3-SC-ENR-CC-ULM	10/16/20 12:15 PM	
4	LDW-Y3-SC-ENR-CD-ULM	10/16/20 11:05 AM	
6	LDW-Y3-SC-ENR+AC-CA-ULM	10/16/20 12:30 PM	
7	LDW-Y3-SC-ENR+AC-CB-ULM	10/16/20 12:00 PM	
8	LDW-Y3-SC-ENR+AC-CC-ULM	10/16/20 11:35 AM	
1	LDW-Y3-SC-ENR-SS	8/11/20 3:15 PM	13417
2	LDW-Y3-SC-ENR+AC-SS	8/11/20 2:55 PM	

Sample ID	Sample Collection Date
LDW-Y3-SU-ENR-CA-CORE	7/24/20 9:25 AM
LDW-Y3-SU-ENR-CB-CORE	7/24/20 9:30 AM
LDW-Y3-SU-ENR-CC-CORE	7/24/20 9:40 AM
LDW-Y3-SU-ENR+AC-CA-CORE	7/24/20 10:25 AM
LDW-Y3-SU-ENR+AC-CC-CORE	7/24/20 10:40 AM
LDW-Y3-SU-ENR+AC-CD-CORE	7/24/20 10:45 AM
LDW-Y3-IN-ENR-CB-CORE	10/1/20 10:20 AM
LDW-Y3-IN-ENR-CC-CORE	10/1/20 10:25 AM
LDW-Y3-IN-ENR-CD-CORE	10/1/20 10:30 AM
LDW-Y3-IN-ENR+AC-CA-CORE	10/1/20 10:50 AM
LDW-Y3-IN-ENR+AC-CB-CORE	10/1/20 10:55 AM
LDW-Y3-IN-ENR+AC-CC-CORE	10/1/20 11:00 AM
LDW-Y3-SC-ENR-CA-CORE	10/16/20 12:55 PM
LDW-Y3-SC-ENR-CC-CORE	10/16/20 12:10 PM
LDW-Y3-SC-ENR-CD-CORE	10/16/20 11:00 AM
LDW-Y3-SC-ENR+AC-CA-CORE	10/16/20 12:25 PM
LDW-Y3-SC-ENR+AC-CB-CORE	10/16/20 11:55 AM
LDW-Y3-SC-ENR+AC-CC-CORE	10/16/20 11:30 AM
LDW-Y3-SC-ENR-CA-ULM	10/16/20 1:00 PM
LDW-Y3-SC-ENR-CC-ULM	10/16/20 12:15 PM
LDW-Y3-SC-ENR-CD-ULM	10/16/20 11:05 AM
LDW-Y3-SC-ENR+AC-CA-ULM	10/16/20 12:30 PM
LDW-Y3-SC-ENR+AC-CB-ULM	10/16/20 12:00 PM
LDW-Y3-SC-ENR+AC-CC-ULM	10/16/20 11:35 AM
LDW-Y3-SC-ENR-SS	8/11/20 3:15 PM
LDW-Y3-SC-ENR+AC-SS	8/11/20 2:55 PM

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13416**

Client:	Floyd | Snider
Client Project ID:	LY15160310
Date Received:	10/20/2020
Time Received:	10:00 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	19
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	Fed-Ex
Tracking Number:	771836685890
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Blue Ice/Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

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

Chain of Custody
Chain of Custody
13416-015-SA
13416-016-SA
13416-017-SA
13416-018-SA
13416-019-SA
13416-008-SA
13416-009-SA
13416-010-SA
13416-011-SA
13416-012-SA
13416-013-SA
13416-014-SA
13416-001-SA
13416-002-SA
13416-003-SA
13416-004-SA
13416-005-SA
13416-006-SA
13416-007-SA
2020/10/20

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13416	Sample #:	1,3,4,6-8, 10 ~~1-19~~ RR 10.28.2020	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	10/18/2021
Matrix:	Sediment	Extraction Batch:	5502	Due Date:	11/11/2020
Method:	EPA 1668 PCB			Storage:	R-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13416

Extract/s located in box: H_2O_2

Standards: 13416

Instrument:

DB5MS	____
007-225	____
DB1MS	FAL-4
Other	____

L4 & FSI EDD

Frontier Analytical Laboratory
Percent Solids

FAL Project: 13416

94.29%
DN 11/12/20

Sample ID	Chemist	Start Date	Start Time	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv	Wet Wt Oven Temp	Dry Wt Oven Temp	End Date	End Time	Boat Wt (g)
13416-001-0001-SA	RR	10-28-20	0645	9.02g	8.94g	99.11%	10.09g	118.3°C	115.3°C	10-29-20	0750	0.81g
13416-002-0001-SA				16.28g	15.34g	94.23%	10.61g					0.81g
13416-003-0001-SA				9.19g	9.12g	99.24%	10.08g					0.81g
13416-004-0001-SA				10.76g	10.66g	99.07%	10.09g					0.82g
13416-005-0001-SA				12.97g	12.94g	99.77%	10.02g					0.80g
13416-006-0001-SA				6.85g	6.77g	98.83%	10.12g					0.81g
13416-007-0001-SA				8.45g	8.39g	99.41%	10.06g					0.79g
13416-008-0001-SA				9.39g	9.27g	98.72%	10.13g					0.78g
13416-009-0001-SA				8.64g	8.55g	98.96%	10.11g					0.78g
13416-010-0001-SA				8.03g	7.82g	97.38%	10.27g					0.79g
13416-011-0001-SA				10.54g	10.40g	98.67%	10.13g					0.79g
13416-012-0001-SA				7.44g	7.24g	97.31%	10.28g					0.80g
13416-013-0001-SA				7.28g	7.08g	97.25%	10.28g					0.81g
13416-014-0001-SA				7.13g	7.05g	98.88%	10.[illegible]g					0.81g
13416-015-0001-SA				6.17g	6.12g	99.19%	10.08g					0.80g
13416-016-0001-SA				5.71g	5.56g	97.37%	10.22g					0.80g
13416-017-0001-SA				8.50g	8.40g	98.82%	10.12g					0.81g
13416-018-0001-SA				8.29g	8.17g	98.55%	10.15g					0.82g
13416-019-0001-SA				6.85g	6.72g	98.10%	10.19g					0.81g

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

% solids = aliquot after drying/aliquot before drying x 100

- Samples containing one percent solids or less are prepared as aqueous samples.
- Samples containing greater than one percent solids prepared as solid samples.

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13416 Extraction Date: 2020-10-28 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: 2 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 201028A Vial: 2 Chemist/Witness/Date
05502-001-0001-MB	10.00g	10.00g	RR 10.28.20	NA	RR KC 10.29.20
05502-001-0001-OPR	10.00g	10.00g		RR 10.28.20	
13416-001-0001-SA	10.16g	10.02g		NA	
13416-003-0001-SA	10.16g	10.05g			
13416-004-0001-SA	10.10g	10.01g			
13416-006-0001-SA	10.17g	10.05g			
13416-007-0001-SA	10.09g	10.03g	10.02g 20 11/12/20		
13416-008-0001-SA	10.13g	10.00g			
13416-010-0001-SA	10.32g	10.05g			

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 #: 13416

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 PCB-MSG	Cleanup 2 NA	Cleanup 3 NA	RS Amt: 10.0uL ID: 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05502-001-0001-MB	KC 10-29-20	NA	NA	KC 10-29-20
05502-001-0001-OPR				
13416-001-0001-SA				
13416-003-0001-SA				
13416-004-0001-SA				
13416-006-0001-SA				
13416-007-0001-SA				
13416-008-0001-SA				
13416-010-0001-SA				

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

Comments:

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13416	Sample #:	~~1-19~~ 12,13,15-17 RR 10.28.2020	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	10/18/2021
Matrix:	Sediment	Extraction Batch:	5512	Due Date:	11/11/2020
Method:	EPA 1668 PCB			Storage:	R-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13416-12

Extract/s located in box: Jake & Tom

Standards: 13416

Instrument:

DB5MS	
007-225	
DB1MS	FALY
Other	

L4 & FSI EDD

Frontier Analytical Laboratory
Percent Solids

FAL Project: 13416

Sample ID	Chemist	Start Date	Start Time	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv	Wet Wt Oven Temp	Dry Wt Oven Temp	End Date	End Time	Boat Wt (g)
13416-001-0001-SA	RR	10.28.20	0645	9.02g	8.94g	99.11%	10.09g	118.3°c	115.3°c	10.29.20	0750	0.81g
13416-002-0001-SA				16.28g	15.34g	94.23%	10.61g					0.81g
13416-003-0001-SA				9.19g	9.12g	99.24%	10.08g					0.81g
13416-004-0001-SA				10.76g	10.66g	99.07%	10.09g					0.82g
13416-005-0001-SA				12.97g	12.94g	99.77%	10.02g					0.80g
13416-006-0001-SA				6.85g	6.77g	98.83%	10.12g					0.81g
13416-007-0001-SA				8.45g	8.39g	99.41%	10.06g					0.79g
13416-008-0001-SA				9.39g	9.27g	98.72%	10.13g					0.78g
13416-009-0001-SA				8.64g	8.55g	98.96%	10.11g					0.78g
13416-010-0001-SA				8.03g	7.82g	97.38%	10.27g					0.79g
13416-011-0001-SA				10.54g	10.40g	98.67%	10.13g					0.79g
13416-012-0001-SA				7.44g	7.24g	97.31%	10.28g					0.80g
13416-013-0001-SA				7.28g	7.08g	97.25%	10.28g					0.81g
13416-014-0001-SA				7.13g	7.05g	98.88%	10.[illegible]g					0.81g
13416-015-0001-SA				6.17g	6.12g	99.19%	10.08g					0.80g
13416-016-0001-SA				5.71g	5.56g	97.37%	10.27g					0.80g
13416-017-0001-SA				8.50g	8.40g	98.82%	10.12g					0.81g
13416-018-0001-SA				8.29g	8.17g	98.55%	10.15g					0.82g
13416-019-0001-SA				6.85g	6.72g	98.10%	10.19g					0.81g

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

% solids = aliquot after drying/aliquot before drying x 100

- Samples containing one percent solids or less are prepared as aqueous samples.
- Samples containing greater than one percent solids prepared as solid samples.

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13416 Extraction Date: 2020-11-05 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: R201021A Vial: 2 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 201028A Vial: 1 Chemist/Witness/Date
05512-001-0001-MB	10.00g	10.00g	RR KC 11.5.20	NA	RR KC 11.6.20
05512-001-0001-OPR	10.00g	10.00g		RR KC 11.5.20	
13416-012-0001-SA	10.30g	10.02g		NA	
13416-013-0001-SA	10.30g	10.02g			
13416-015-0001-SA	10.10g	10.02g			
13416-016-0001-SA	10.31g	10.04g			
13416-017-0001-SA	10.19g	10.07g			

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 #: 13416

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	PCB-MSG	NA	NA	Amt: 10.0uL ID: 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05512-001-0001-MB	RR 11.6.20	NA	NA	RR KCH 11.6.20
05512-001-0001-OPR	↓	↓	↓	↓ ↓ ↓
13416-012-0001-SA	↓	↓	↓	↓ ↓ ↓
13416-013-0001-SA	↓	↓	↓	↓ ↓ ↓
13416-015-0001-SA	↓	↓	↓	↓ ↓ ↓
13416-016-0001-SA	↓	↓	↓	↓ ↓ ↓
13416-017-0001-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: 05502-001-0001-MB Filename: 11NOV20Z Sam:3 Acquired: 11-NOV-20 08:09:17 ICal: DAILY209FAL4-11-11-20
Client ID: Method Blank ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 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	1.30	*		980	768	0.252			
13C-PCB-1	3.65e+07	3.26 y	14:33	0.83	919					91.9	1.03e+07	3.13e+06
PCB-2	*	* n	NotFnd	1.30	*		980	768	0.262			
PCB-3	*	* n	NotFnd	1.27	*		980	768	0.279			
13C-PCB-3	3.65e+07	3.34 y	16:59	0.81	949					94.9	9.49e+06	2.85e+06
PCB-4	*	* n	NotFnd	1.09	*		654	3540	1.03			
PCB-10	*	* n	NotFnd	1.46	*		654	3540	0.631			
13C-PCB-4	2.96e+07	1.59 y	18:15	0.66	946					94.6	5.77e+06	3.63e+06
PCB-9	*	* n	NotFnd	1.41	*		654	3540	0.654			
PCB-7	*	* n	NotFnd	1.43	*		654	3540	0.646			
PCB-6	*	* n	NotFnd	1.39	*		654	3540	0.665			
PCB-8	*	* n	NotFnd	1.42	*		654	3540	0.651			
PCB-5	*	* n	NotFnd	1.34	*		654	3540	0.686			
PCB-14	*	* n	NotFnd	1.41	*		654	3540	0.654			
PCB-11	*	* n	NotFnd	1.33	*		2760	3540	1.04			
PCB-13	*	* n	NotFnd	1.38	*		654	3540	0.667			
PCB-12	*	* n	NotFnd	1.37	*		654	3540	0.675			
PCB-15	*	* n	NotFnd	1.22	*		654	3540	0.653			
13C-PCB-15	4.64e+07	1.58 y	23:46	1.01	964					96.4	8.02e+06	5.08e+06
PCB-19	*	* n	NotFnd	1.29	*		1800	456	0.779			
PCB-30	*	* n	NotFnd	1.93	*		1800	456	0.520			
PCB-18	*	* n	NotFnd	1.34	*		1800	456	0.747			
PCB-17	*	* n	NotFnd	1.43	*		1800	456	0.701			
PCB-27	*	* n	NotFnd	1.89	*		1800	456	0.531			
PCB-24	*	* n	NotFnd	1.89	*		1800	456	0.530			
PCB-16	*	* n	NotFnd	1.61	*		1800	456	0.624			
PCB-32	*	* n	NotFnd	1.62	*		1800	456	0.619			
13C-PCB-19	1.93e+07	1.07 y	22:08	0.43	935					93.5	2.95e+06	2.68e+06
13C-PCB-9	4.77e+07	1.59 y	19:55	-	4.88							
PCB-34	*	* n	NotFnd	1.09	*		2220	536	0.738			
PCB-23	*	* n	NotFnd	1.28	*		2220	536	0.625			
PCB-29	*	* n	NotFnd	1.23	*		2220	536	0.654			
PCB-26	*	* n	NotFnd	1.19	*		2220	536	0.674			
PCB-25	*	* n	NotFnd	1.14	*		2220	536	0.704			
PCB-31	*	* n	NotFnd	1.23	*		2220	536	0.655			
PCB-28	*	* n	NotFnd	1.32	*		2220	536	0.606			
PCB-20	*	* n	NotFnd	1.14	*		2220	536	0.702		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.14	*		2220	536	0.702		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.14	*		2220	536	0.702		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.24	*		2220	536	0.646			
PCB-36	*	* n	NotFnd	1.20	*		2220	536	0.667			
PCB-39	*	* n	NotFnd	1.24	*		2220	536	0.649			
PCB-38	*	* n	NotFnd	1.18	*		2220	536	0.679			
PCB-35	*	* n	NotFnd	1.19	*		2220	536	0.672			
PCB-37	*	* n	NotFnd	1.22	*		2220	536	0.657			
13C-PCB-37	3.34e+07	1.09 y	30:25	1.72	935					93.5	4.43e+06	4.14e+06

PCB-54	*	*	n	NotFnd	1.32	*	564	1160	0.473			
PCB-50	*	*	n	NotFnd	1.10	*	564	1160	0.564			
PCB-53	*	*	n	NotFnd	1.08	*	564	1160	0.576			
PCB-51	*	*	n	NotFnd	1.14	*	564	1160	0.546			
PCB-45	*	*	n	NotFnd	0.96	*	564	1160	0.648			
PCB-46	*	*	n	NotFnd	0.92	*	564	1160	0.678			
PCB-52	*	*	n	NotFnd	1.19	*	564	1160	0.523	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.19	*	564	1160	0.523	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.39	*	564	1160	0.449			
PCB-43	*	*	n	NotFnd	1.07	*	564	1160	0.579	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.07	*	564	1160	0.579	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.09	*	564	1160	0.573			
PCB-48	*	*	n	NotFnd	1.39	*	564	1160	0.447	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.39	*	564	1160	0.447	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*	564	1160	0.449			
PCB-62	*	*	n	NotFnd	1.39	*	564	1160	0.449			
PCB-44	*	*	n	NotFnd	0.93	*	564	1160	0.669			
PCB-42	*	*	n	NotFnd	1.19	*	564	1160	0.522	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.19	*	564	1160	0.522	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.34	*	564	1160	0.464	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.34	*	564	1160	0.464	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.34	*	564	1160	0.464	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.34	*	564	1160	0.464	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.52	*	564	1160	0.410			
PCB-40	*	*	n	NotFnd	0.85	*	564	1160	0.735			
PCB-57	*	*	n	NotFnd	1.43	*	564	1160	0.436			
PCB-67	*	*	n	NotFnd	1.44	*	564	1160	0.433			
PCB-58	*	*	n	NotFnd	1.47	*	564	1160	0.422			
PCB-63	*	*	n	NotFnd	1.49	*	564	1160	0.417			
PCB-74	*	*	n	NotFnd	1.43	*	564	1160	0.434			
PCB-61	*	*	n	NotFnd	1.34	*	564	1160	0.463	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.34	*	564	1160	0.463	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.52	*	564	1160	0.409	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.52	*	564	1160	0.409	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*	564	1160	0.325			
PCB-55	*	*	n	NotFnd	1.59	*	564	1160	0.391			
13C-PCB-54	2.59e+07	0.81	y	25:41	1.06	1180				118	3.12e+06	3.80e+06
PCB-104	*	*	n	NotFnd	1.19	*	408	444	0.382			
PCB-96	*	*	n	NotFnd	1.13	*	408	444	0.402			
PCB-103	*	*	n	NotFnd	0.97	*	408	444	0.469			
PCB-100	*	*	n	NotFnd	0.97	*	408	444	0.466			
PCB-94	*	*	n	NotFnd	0.81	*	408	444	0.563			
PCB-98	*	*	n	NotFnd	0.87	*	408	444	0.524	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*	408	444	0.524	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.94	*	408	444	0.483			
PCB-93	*	*	n	NotFnd	0.90	*	408	444	0.503			
PCB-88	*	*	n	NotFnd	0.99	*	408	444	0.460	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.99	*	408	444	0.460	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*	408	444	0.397			
13C-PCB-104	1.75e+07	1.59	y	30:07	0.89	942				94.2	2.88e+06	1.81e+06
13C-PCB-28	4.47e+07	1.06	y	26:45	1.90	1140				114	6.28e+06	5.96e+06
13C-PCB-52	2.08e+07	0.83	y	29:01	-	4.08						

PCB-56	*	*	n	NotFnd	1.24	*	524	1370	0.592			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.24	*	524	1370	0.592			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*	524	1370	0.588			
PCB-78	*	*	n	NotFnd	1.24	*	524	1370	0.595			
PCB-81	*	*	n	NotFnd	1.28	*	524	1370	0.604			
13C-PCB-81	2.54e+07	0.78	y	36:11	1.63	957				95.7	2.65e+06	3.47e+06
PCB-77	*	*	n	NotFnd	1.14	*	524	1370	0.615			
13C-PCB-77	2.68e+07	0.80	y	36:45	1.65	1000				100.0	3.04e+06	3.74e+06
PCB-155	*	*	n	NotFnd	1.10	*	744	460	0.545			
PCB-150	*	*	n	NotFnd	1.03	*	744	460	0.586			
PCB-152	*	*	n	NotFnd	1.02	*	744	460	0.588			
PCB-145	*	*	n	NotFnd	1.03	*	744	460	0.583			
PCB-136	*	*	n	NotFnd	0.97	*	744	460	0.620			
PCB-148	*	*	n	NotFnd	0.81	*	744	460	0.746			
PCB-154	*	*	n	NotFnd	0.87	*	744	460	0.688			
13C-PCB-155	1.85e+07	1.31	y	34:17	1.12	1010				101	2.84e+06	2.17e+06
13C-PCB-111	1.88e+07	1.60	y	36:21	1.26	922				92.2	2.82e+06	1.72e+06
13C-PCB-101	1.63e+07	1.61	y	34:42	-	3.56						
PCB-84	*	*	n	NotFnd	0.73	*	556	672	0.713			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.73	*	556	672	0.713			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.73	*	556	672	0.716			
PCB-90	*	*	n	NotFnd	0.81	*	556	672	0.643			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.81	*	556	672	0.643			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.88	*	556	672	0.590			
PCB-99	*	*	n	NotFnd	0.91	*	556	672	0.575			
PCB-119	*	*	n	NotFnd	1.04	*	556	672	0.500			
PCB-83	*	*	n	NotFnd	0.80	*	556	672	0.648			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.80	*	556	672	0.648			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*	556	672	0.535			
PCB-97	*	*	n	NotFnd	0.69	*	556	672	0.760			
PCB-86	*	*	n	NotFnd	0.67	*	556	672	0.783			
PCB-125	*	*	n	NotFnd	0.93	*	556	672	0.561			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.93	*	556	672	0.561			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.93	*	556	672	0.561			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	1.01	*	556	672	0.515			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	1.01	*	556	672	0.515			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.86	*	556	672	0.609			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.86	*	556	672	0.609			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.07	*	556	672	0.488			
PCB-110	*	*	n	NotFnd	0.95	*	556	672	0.548			
PCB-82	*	*	n	NotFnd	0.60	*	556	672	0.864			
PCB-124	*	*	n	NotFnd	1.26	*	664	888	0.523			
PCB-108	*	*	n	NotFnd	1.19	*	664	888	0.553			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.19	*	664	888	0.553			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.12	*	664	888	0.593			
13C-PCB-123	2.47e+07	1.57	y	38:24	1.36	1010				101	3.59e+06	2.25e+06
PCB-118	*	*	n	NotFnd	1.16	*	664	888	0.521			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.16	*	664	888	0.521			Co-elute PCB 118
13C-PCB-118	2.60e+07	1.62	y	38:34	1.43	1010				101	3.97e+06	2.43e+06
PCB-114	*	*	n	NotFnd	1.27	*	664	888	0.556			
13C-PCB-114	2.50e+07	1.61	y	39:12	1.36	1020				102	3.38e+06	2.10e+06
PCB-122	*	*	n	NotFnd	1.13	*	664	888	0.581			
PCB-105	*	*	n	NotFnd	1.26	*	664	888	0.522			
13C-PCB-105	2.41e+07	1.60	y	39:60	1.35	992				99.2	3.64e+06	2.26e+06

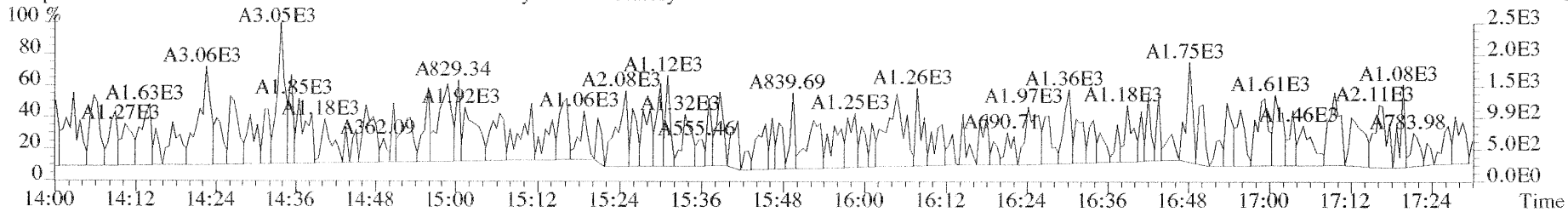
PCB-127	*	*	n	NotFnd	1.14	*	664	888	0.576				
PCB-126	*	*	n	NotFnd	1.19	*	664	888	0.591				
13C-PCB-126	2.27e+07	1.60	y	42:06	1.33	944				94.4	3.38e+06	2.12e+06	
PCB-151	*	*	n	NotFnd	0.91	*	844	588	0.790				
PCB-135	*	*	n	NotFnd	0.92	*	844	588	0.779				
PCB-144	*	*	n	NotFnd	0.91	*	844	588	0.787				
PCB-147	*	*	n	NotFnd	0.96	*	844	588	0.749				
PCB-139	*	*	n	NotFnd	0.99	*	844	588	0.724				Co-elute PCB 149
PCB-149	*	*	n	NotFnd	0.99	*	844	588	0.724				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	0.96	*	844	588	0.748				
PCB-143	*	*	n	NotFnd	0.81	*	844	588	0.889				Co-elute PCB 134
PCB-134	*	*	n	NotFnd	0.81	*	844	588	0.889				Co-elute PCB 143
PCB-131	*	*	n	NotFnd	0.81	*	844	588	0.891				Co-elute PCB 133
PCB-133	*	*	n	NotFnd	0.81	*	844	588	0.891				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.82	*	844	588	0.880				
PCB-165	*	*	n	NotFnd	1.06	*	844	588	0.674				Co-elute PCB 146
PCB-146	*	*	n	NotFnd	1.06	*	844	588	0.674				Co-elute PCB 165
PCB-161	*	*	n	NotFnd	1.02	*	844	588	0.705				Co-elute PCB 132
PCB-132	*	*	n	NotFnd	1.02	*	844	588	0.705				Co-elute PCB 161
PCB-153	*	*	n	NotFnd	1.06	*	844	588	0.679				
PCB-168	*	*	n	NotFnd	1.17	*	844	588	0.615				
PCB-141	*	*	n	NotFnd	0.91	*	844	588	0.786				
PCB-137	*	*	n	NotFnd	0.96	*	844	588	0.746				
PCB-130	*	*	n	NotFnd	0.78	*	844	588	0.925				
PCB-138	*	*	n	NotFnd	1.10	*	844	588	0.652				Co-elute PCB 163/164
PCB-163	*	*	n	NotFnd	1.10	*	844	588	0.652				Co-elute PCB 138/164
PCB-164	*	*	n	NotFnd	1.10	*	844	588	0.652				Co-elute PCB 138/163
PCB-158	*	*	n	NotFnd	1.22	*	844	588	0.591				Co-elute PCB 160
PCB-160	*	*	n	NotFnd	1.22	*	844	588	0.591				Co-elute PCB 158
PCB-129	*	*	n	NotFnd	0.79	*	844	588	0.903				
PCB-166	*	*	n	NotFnd	1.19	*	844	588	0.601				
PCB-159	*	*	n	NotFnd	1.32	*	844	588	0.545				
PCB-128	*	*	n	NotFnd	1.06	*	844	588	0.680				Co-elute PCB 162
PCB-162	*	*	n	NotFnd	1.06	*	844	588	0.680				Co-elute PCB 128
PCB-167	*	*	n	NotFnd	1.19	*	844	588	0.614				
13C-PCB-167	2.05e+07	1.25	y	43:29	1.17	973				97.3	2.69e+06	2.20e+06	
PCB-156	*	*	n	NotFnd	1.28	*	844	588	0.550				
13C-PCB-156	2.01e+07	1.30	y	44:43	1.16	960				96.0	2.86e+06	2.21e+06	
PCB-157	*	*	n	NotFnd	1.22	*	844	588	0.653				
13C-PCB-157	1.98e+07	1.29	y	44:57	1.18	931				93.1	2.52e+06	1.97e+06	
PCB-169	*	*	n	NotFnd	1.14	*	844	588	0.557				
13C-PCB-169	1.95e+07	1.29	y	46:49	1.19	907				90.7	3.24e+06	2.41e+06	

FAL ID: 05502-001-0001-MB Filename: 11NOV20Z Sam:3 Acquired: 11-NOV-20 08:09:17 ICal: DAILY209FAL4-11-11-20
Client ID: Method Blank ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.00

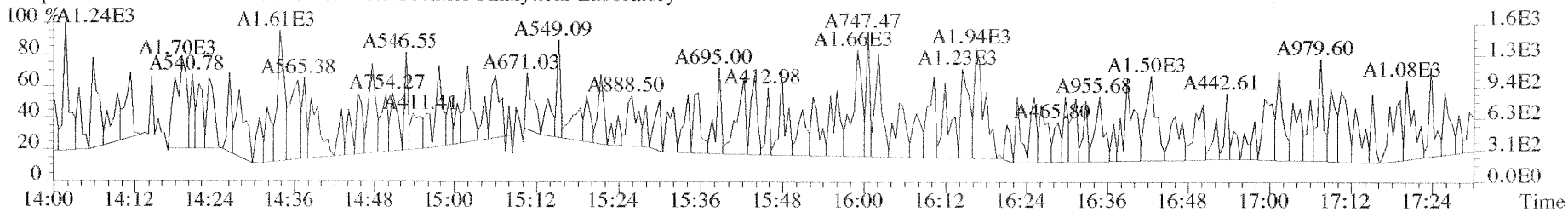
PCB-188	*	*	n	NotFnd	1.15	*	1180	444	0.806			
13C-PCB-188	1.76e+07	1.07	y	39:46	0.96	1020				102	2.22e+06	2.15e+06
PCB-184	*	*	n	NotFnd	1.26	*	1180	444	0.677			
PCB-179	*	*	n	NotFnd	1.19	*	1180	444	0.718			
PCB-176	*	*	n	NotFnd	1.16	*	1180	444	0.739			
PCB-186	*	*	n	NotFnd	1.18	*	1180	444	0.721			
PCB-178	*	*	n	NotFnd	0.86	*	1180	444	0.990			
PCB-175	*	*	n	NotFnd	0.92	*	1180	444	0.924			
PCB-187	*	*	n	NotFnd	0.99	*	1180	444	0.860		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	0.99	*	1180	444	0.860		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	0.96	*	1180	444	0.890			
PCB-185	*	*	n	NotFnd	0.91	*	1180	444	0.935			
PCB-174	*	*	n	NotFnd	0.94	*	1180	444	0.910			
PCB-181	*	*	n	NotFnd	0.92	*	1180	444	0.923			
PCB-177	*	*	n	NotFnd	0.86	*	1180	444	0.992			
PCB-171	*	*	n	NotFnd	0.89	*	1180	444	0.956			
PCB-173	*	*	n	NotFnd	0.82	*	1180	444	1.04			
PCB-172	*	*	n	NotFnd	0.87	*	1180	444	0.986			
PCB-192	*	*	n	NotFnd	1.11	*	1180	444	0.771			
PCB-180	*	*	n	NotFnd	0.86	*	1180	444	0.991			
PCB-193	*	*	n	NotFnd	1.16	*	1180	444	0.733			
PCB-191	*	*	n	NotFnd	1.14	*	1180	444	0.748			
PCB-170	*	*	n	NotFnd	0.85	*	1180	444	0.998			
PCB-190	*	*	n	NotFnd	1.10	*	1180	444	0.777			
PCB-189	*	*	n	NotFnd	1.08	*	1180	444	0.712			
13C-PCB-189	1.61e+07	1.10	y	48:28	0.95	940				94.0	2.72e+06	2.55e+06
PCB-202	*	*	n	NotFnd	1.05	*	464	510	0.708			
PCB-201	*	*	n	NotFnd	1.15	*	464	510	0.645			
PCB-204	*	*	n	NotFnd	1.17	*	464	510	0.633			
PCB-197	*	*	n	NotFnd	1.17	*	464	510	0.637			
PCB-200	*	*	n	NotFnd	1.16	*	464	510	0.640			
PCB-198	*	*	n	NotFnd	0.81	*	464	510	0.917			
PCB-199	*	*	n	NotFnd	0.83	*	464	510	0.899			
PCB-203	*	*	n	NotFnd	0.90	*	464	510	0.828		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.90	*	464	510	0.828		Co-elute PCB 203	
13C-PCB-202	1.32e+07	0.89	y	44:54	0.80	916				91.6	1.56e+06	1.72e+06
13C-PCB-178	1.23e+07	1.09	y	42:24	0.76	890				89.0	1.41e+06	1.28e+06
13C-PCB-138	1.80e+07	1.29	y	41:38	-	3.75						
PCB-195	*	*	n	NotFnd	0.91	*	896	1240	0.654			
PCB-194	*	*	n	NotFnd	0.93	*	896	1240	0.635			
PCB-205	*	*	n	NotFnd	1.16	*	896	1240	0.510			
13C-PCB-205	2.33e+07	0.90	y	50:07	1.26	980				98.0	4.26e+06	4.74e+06
PCB-208	*	*	n	NotFnd	1.13	*	508	752	0.380			
13C-PCB-208	1.99e+07	0.81	y	49:12	1.06	997				99.7	3.26e+06	4.10e+06
PCB-207	*	*	n	NotFnd	1.31	*	508	752	0.363			
PCB-206	*	*	n	NotFnd	1.15	*	508	752	0.463			
13C-PCB-206	1.57e+07	0.81	y	51:19	0.81	1030				103	2.63e+06	3.28e+06
PCB-209	*	*	n	NotFnd	1.24	*	644	404	0.361			
13C-PCB-209	1.72e+07	1.22	y	52:29	0.87	1040				104	3.21e+06	2.64e+06
13C-PCB-194	1.89e+07	0.90	y	49:53	-	4.19						

Analyst: _____ Date: 11/11/20

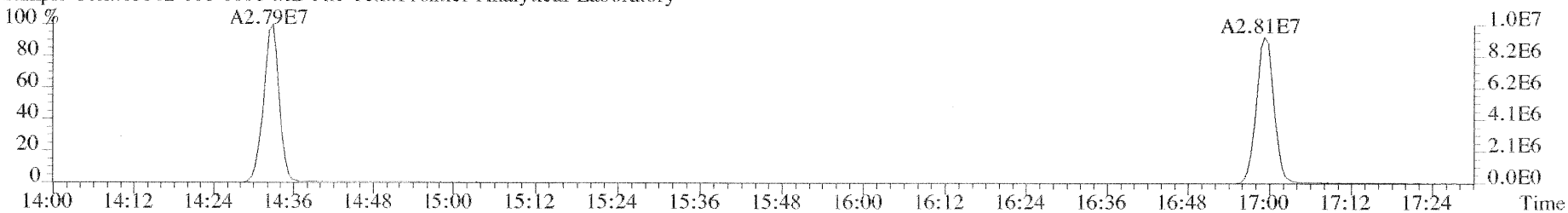
File:11NOV20Z #1-783 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



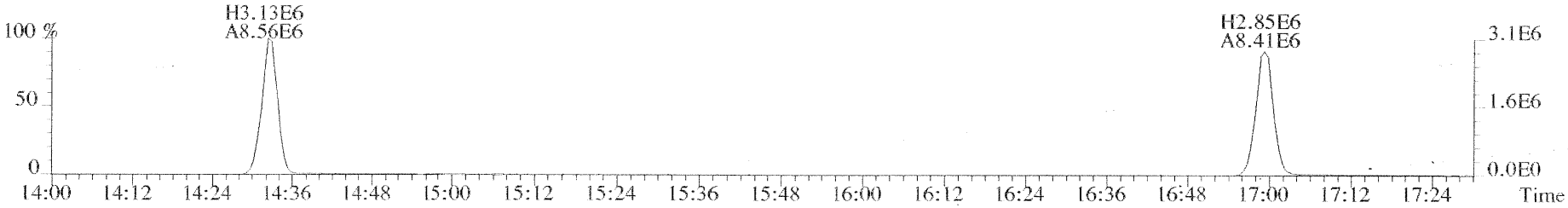
File:11NOV20Z #1-783 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



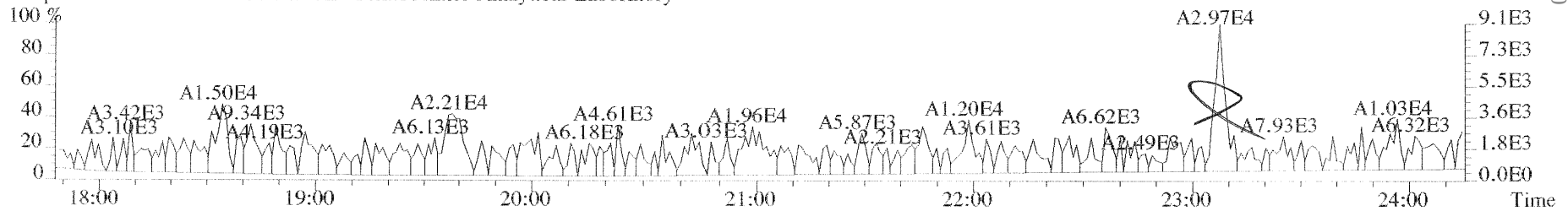
File:11NOV20Z #1-783 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



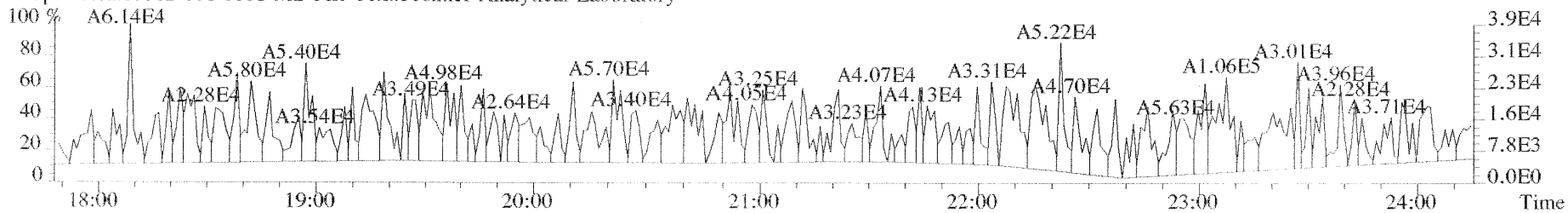
File:11NOV20Z #1-783 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



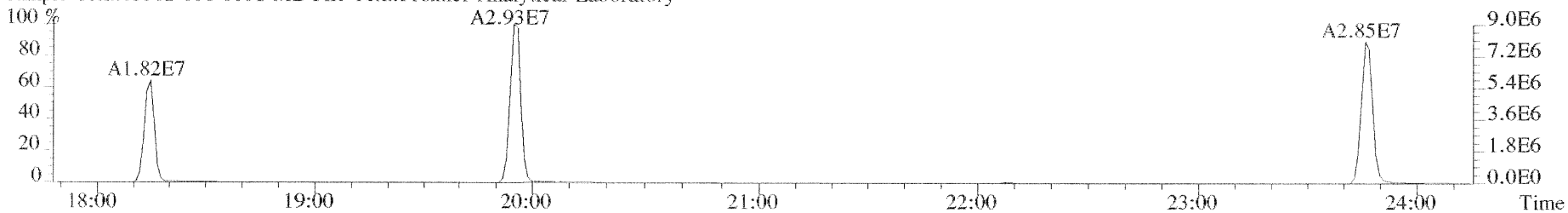
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



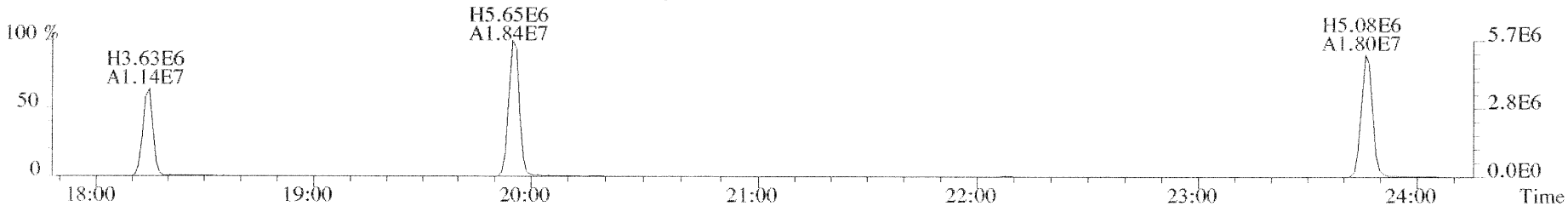
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



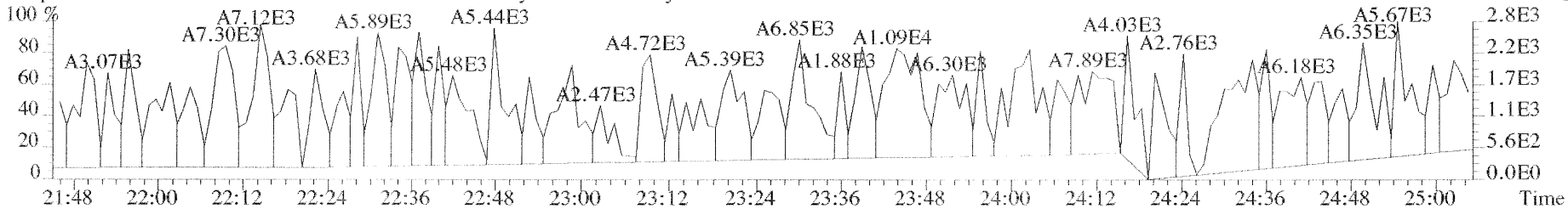
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



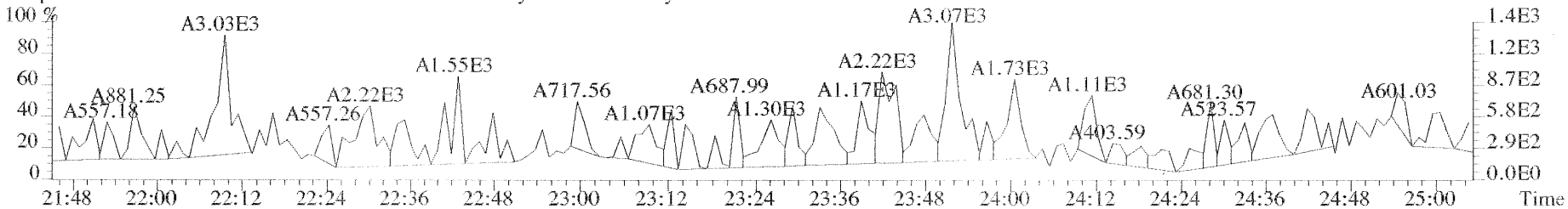
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



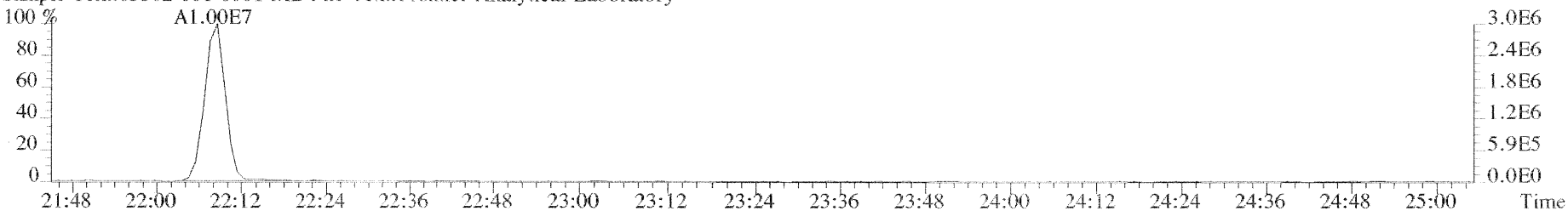
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



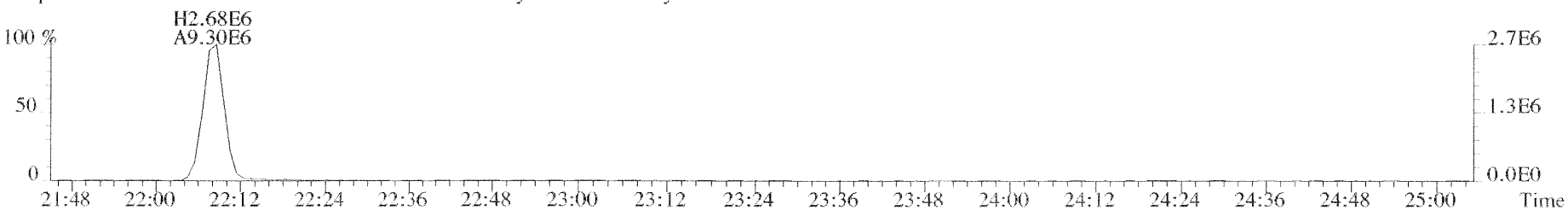
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



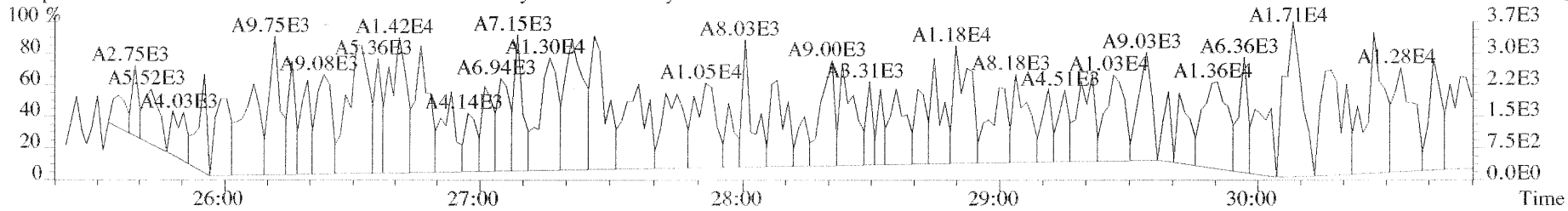
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



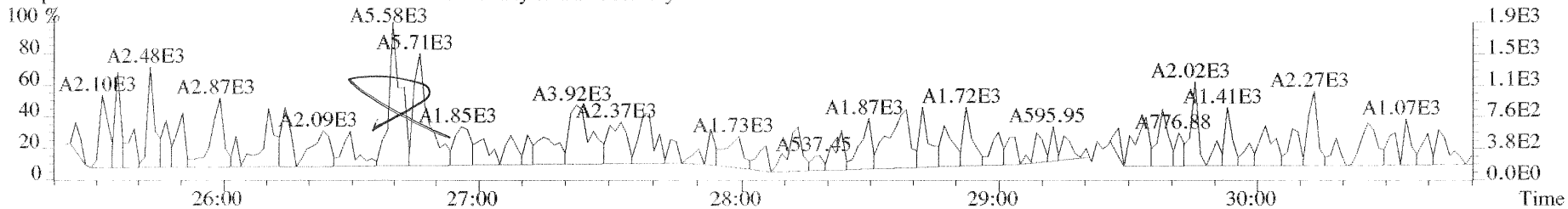
File:11NOV20Z #1-467 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



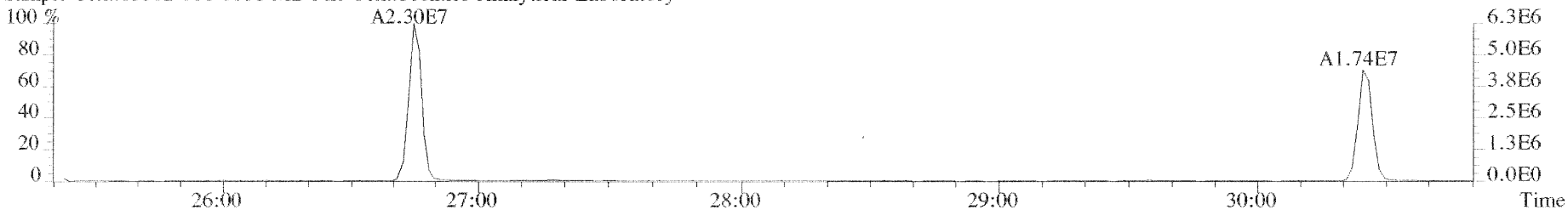
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



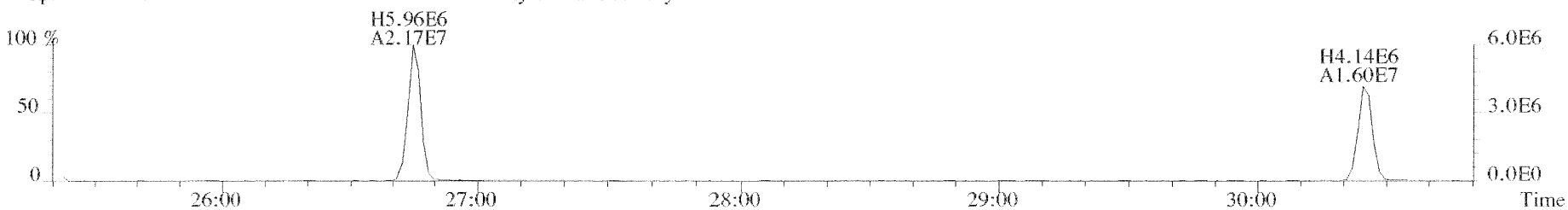
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



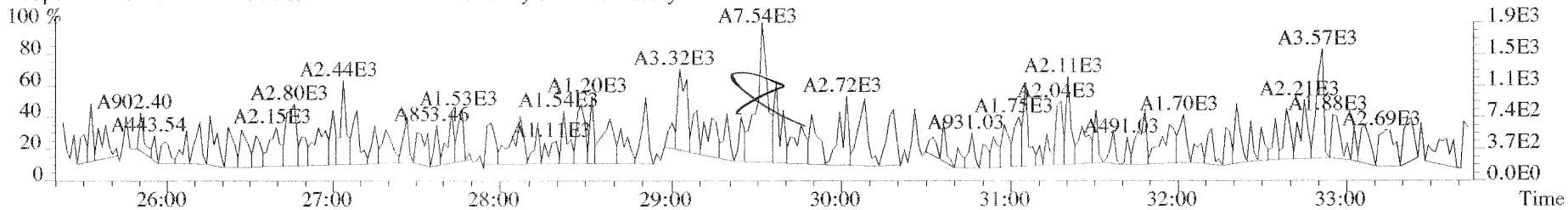
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



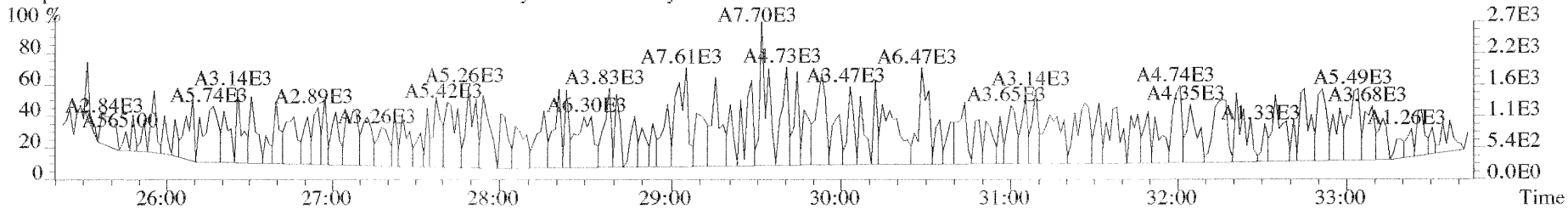
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



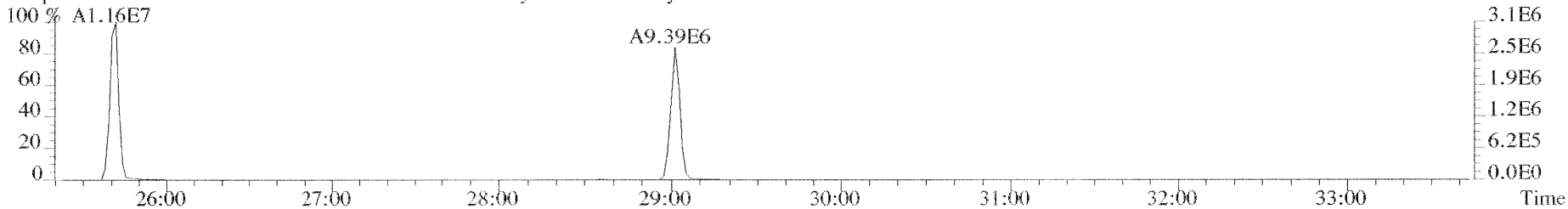
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



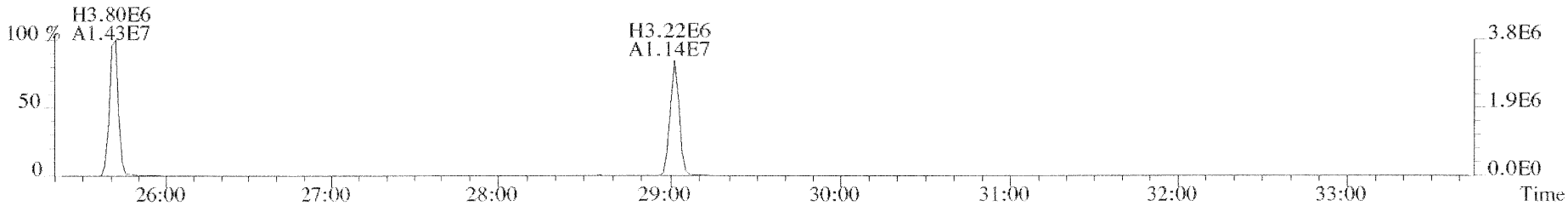
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



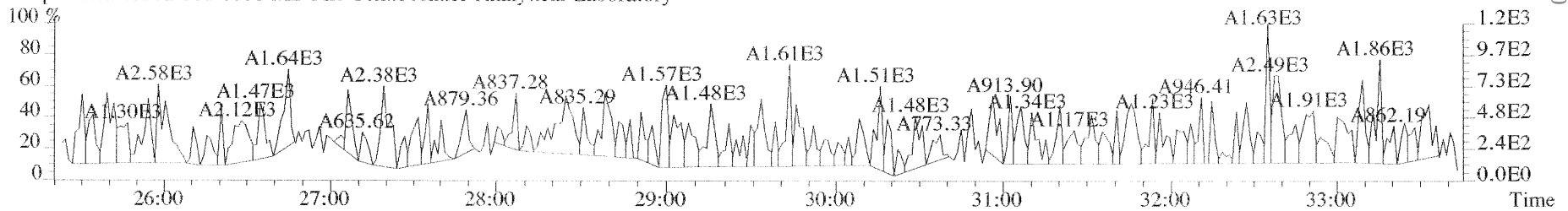
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



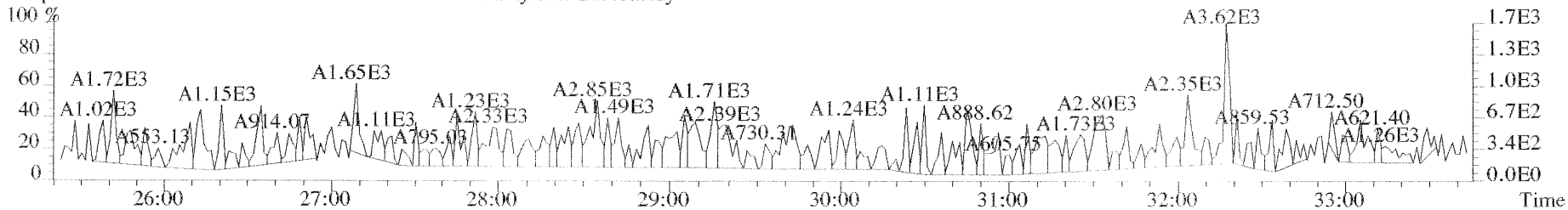
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



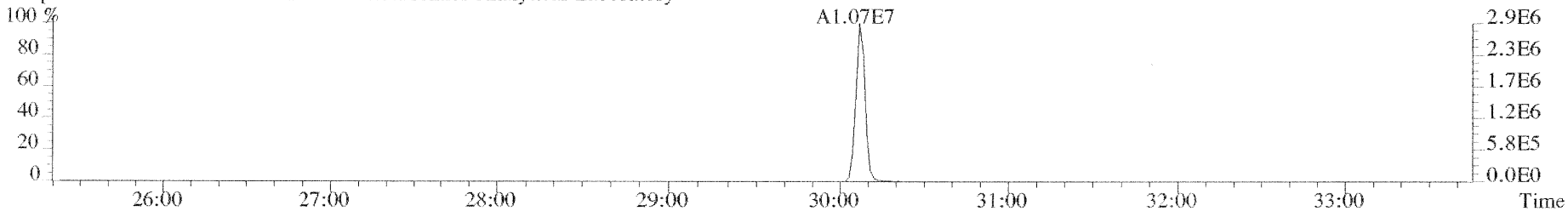
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



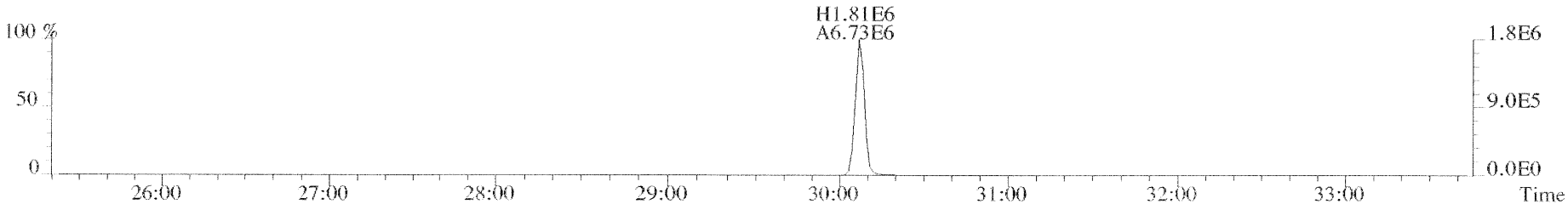
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



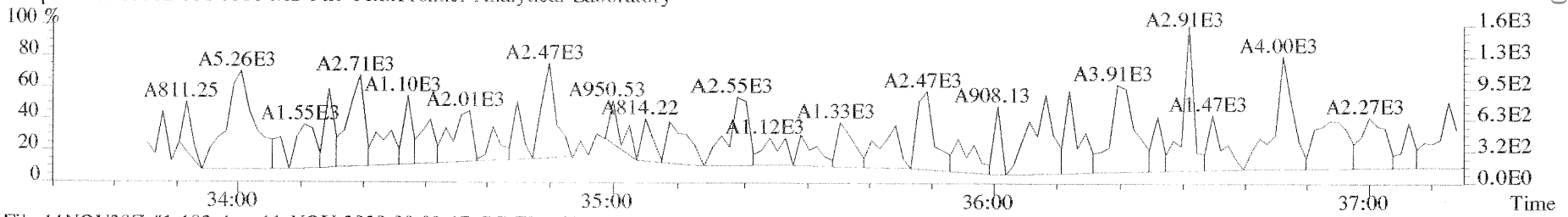
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



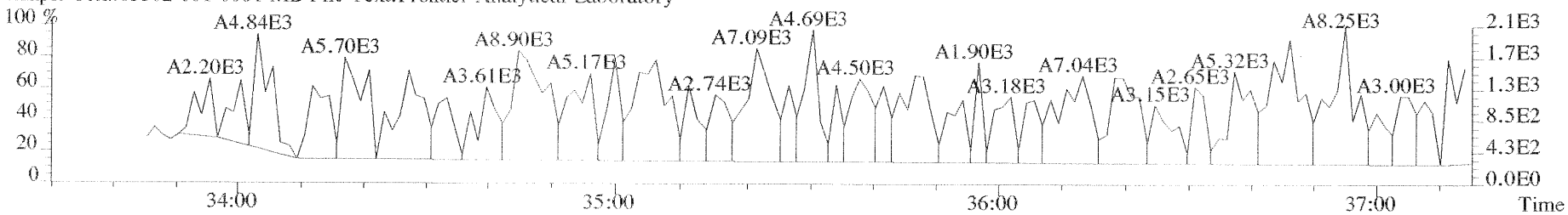
File:11NOV20Z #1-397 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



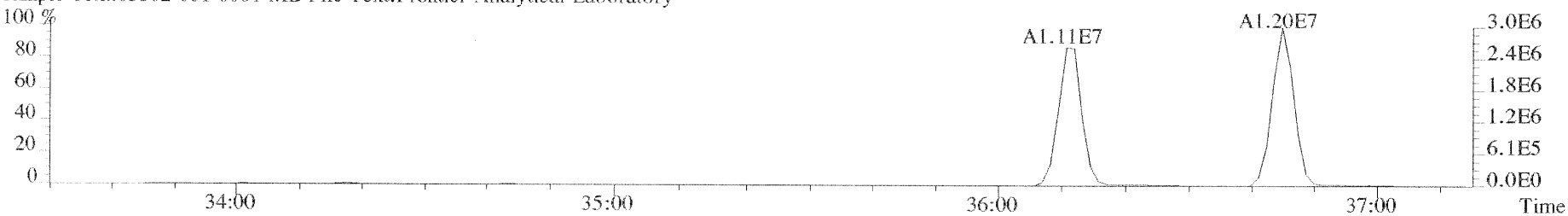
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



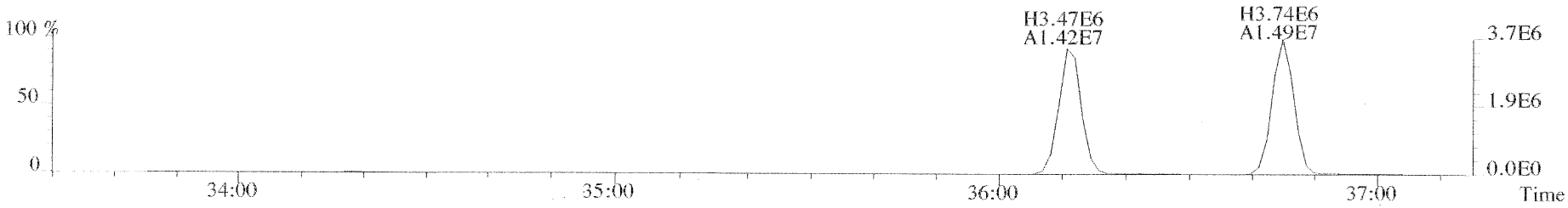
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



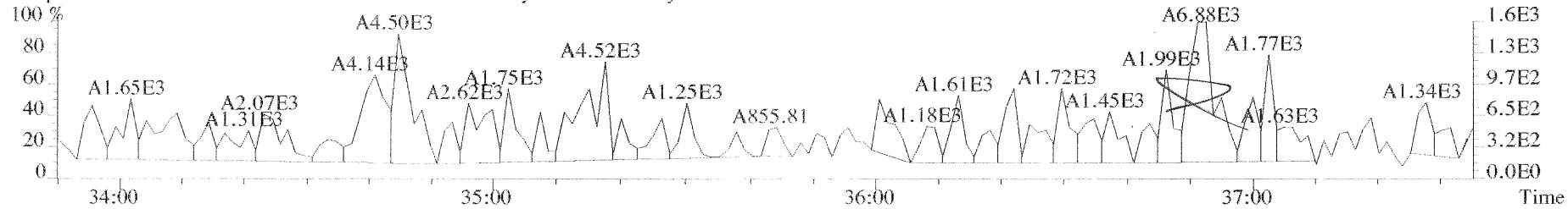
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



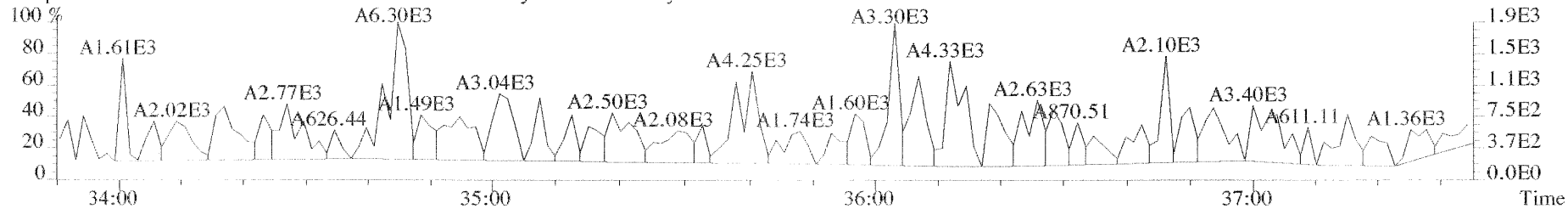
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



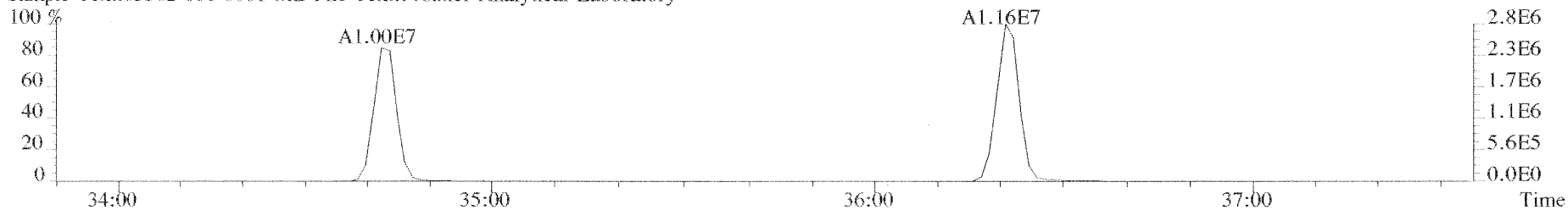
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



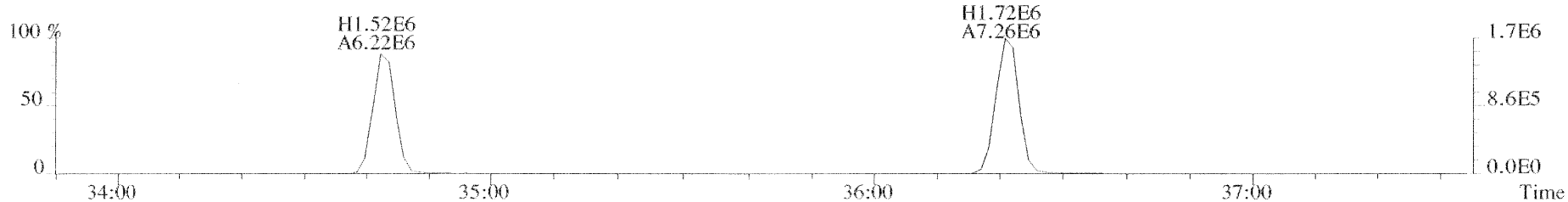
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



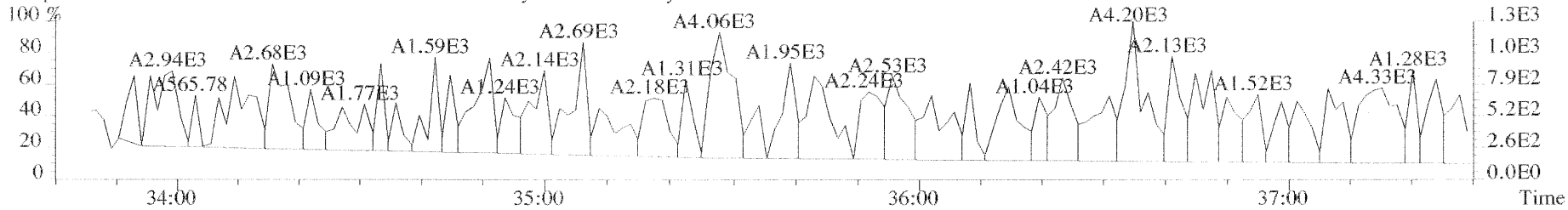
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



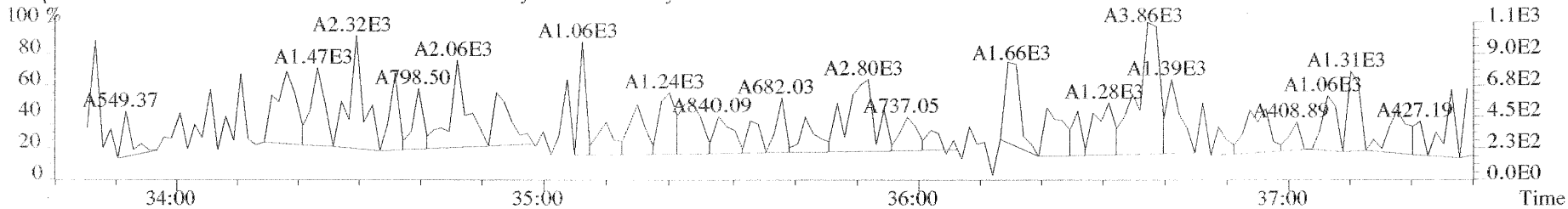
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



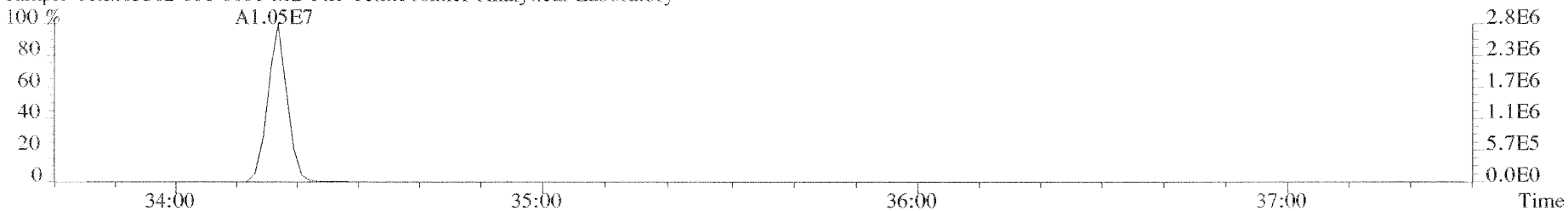
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



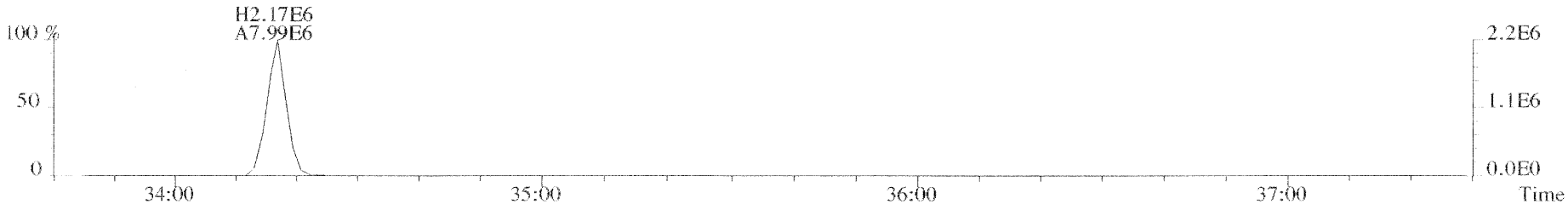
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



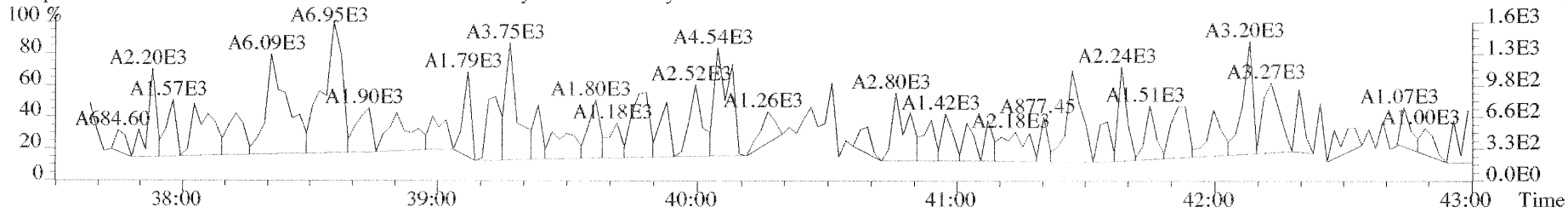
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



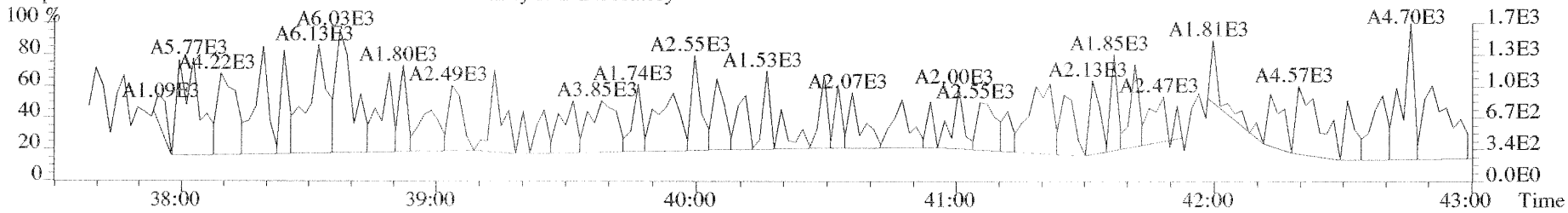
File:11NOV20Z #1-183 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



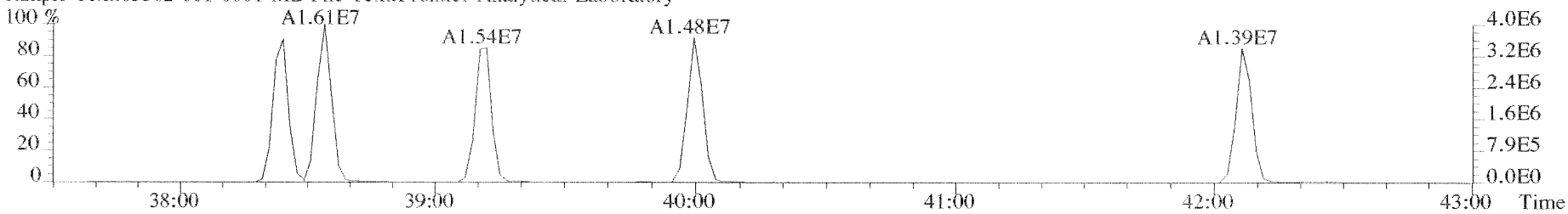
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



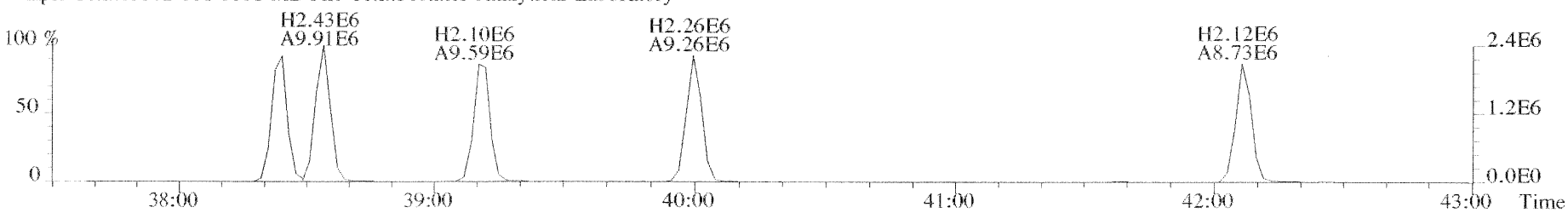
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



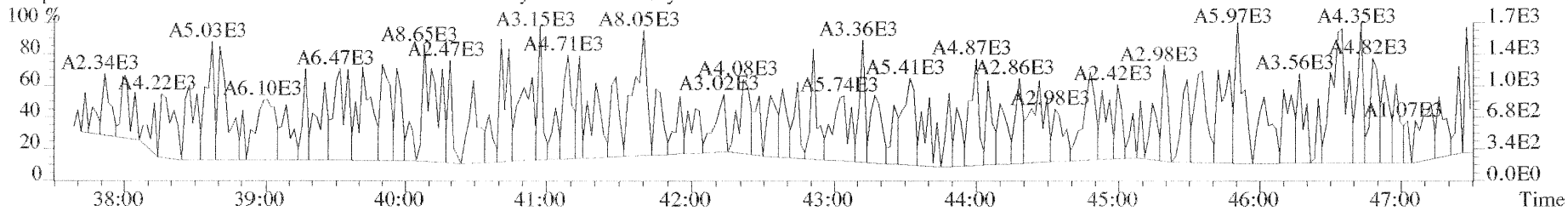
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



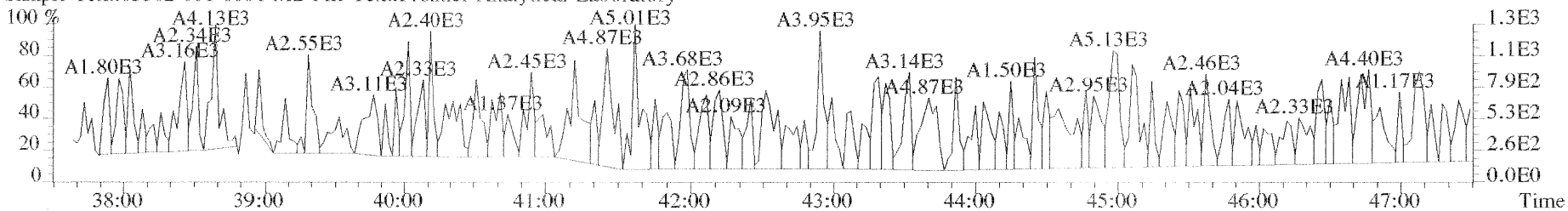
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



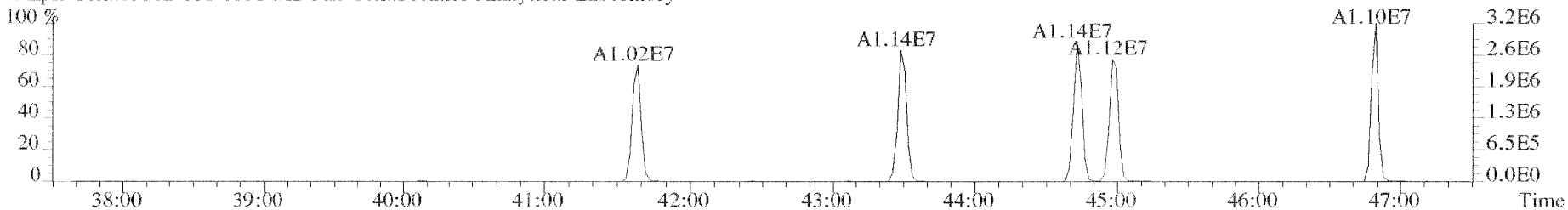
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



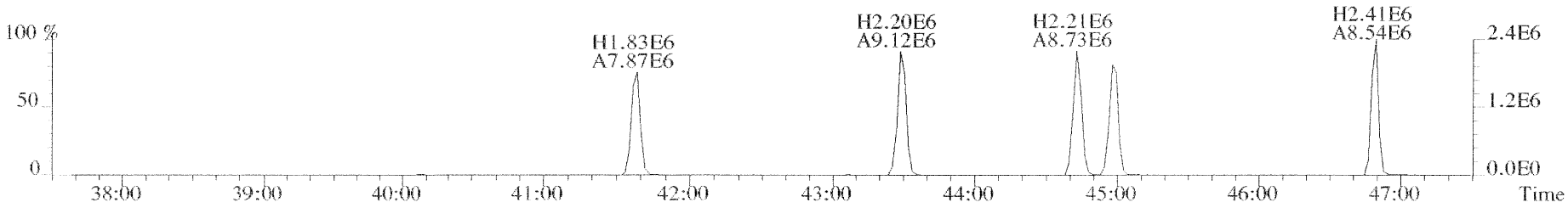
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



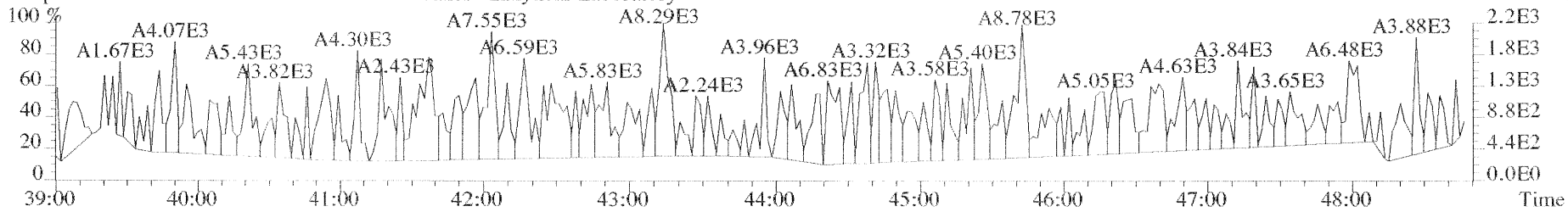
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



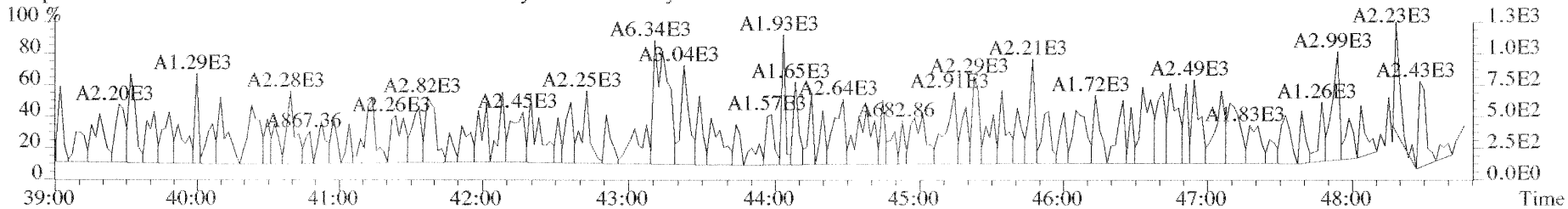
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



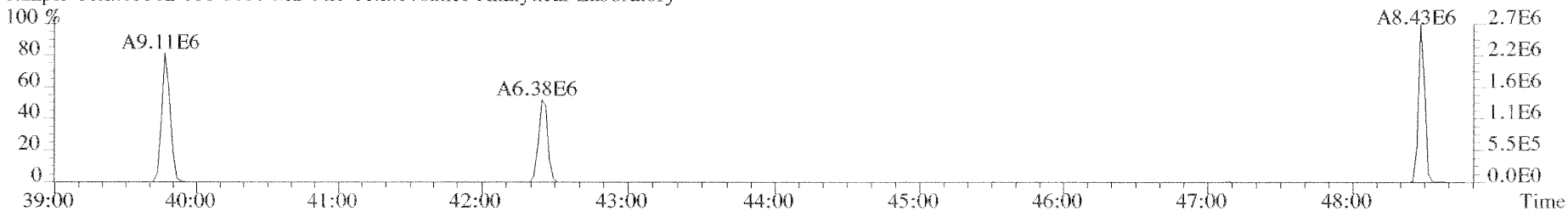
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



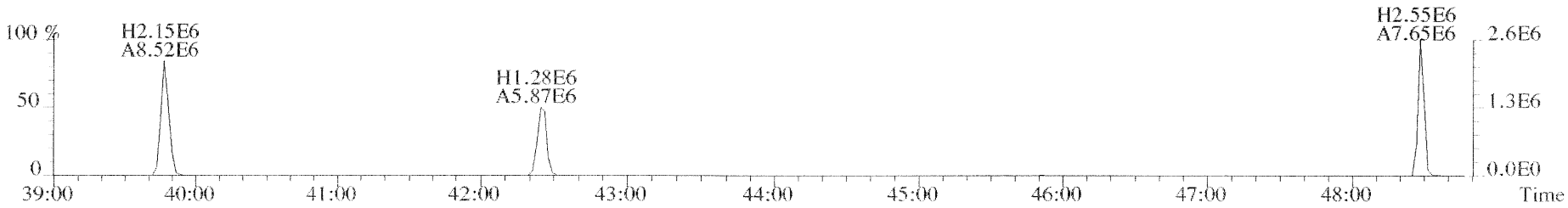
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



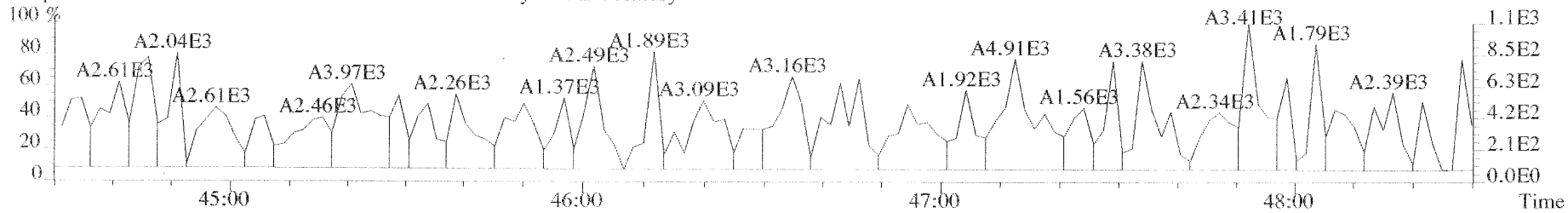
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



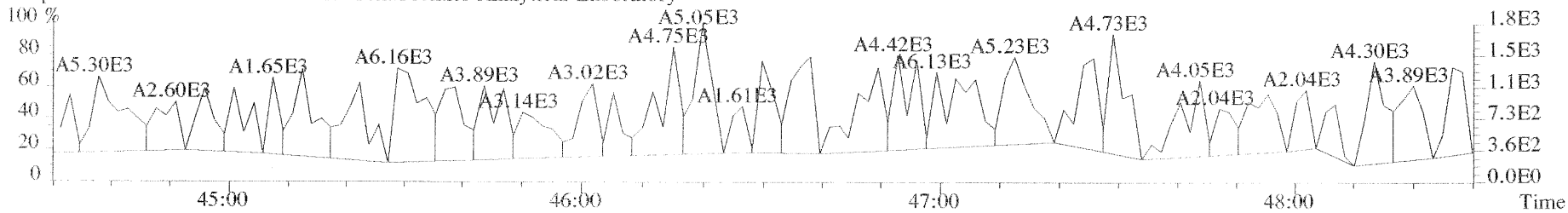
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



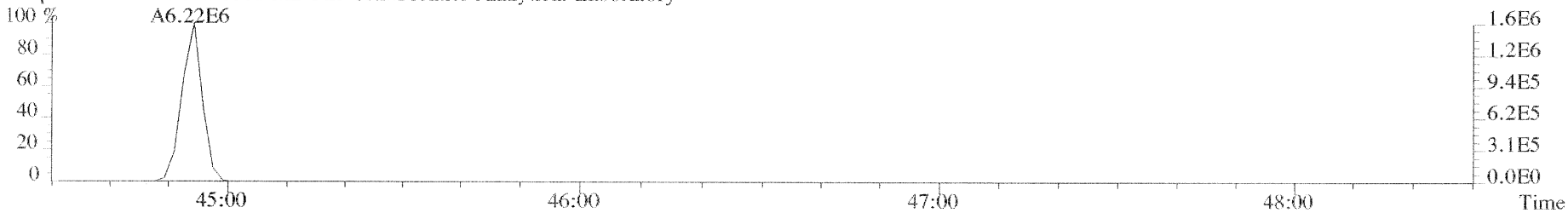
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



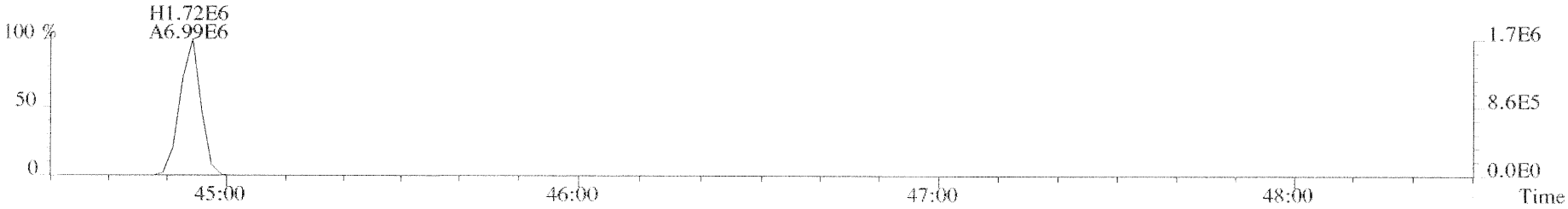
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



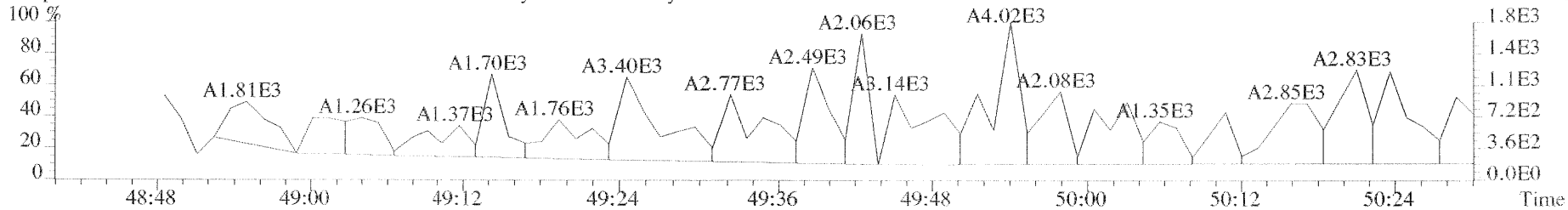
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



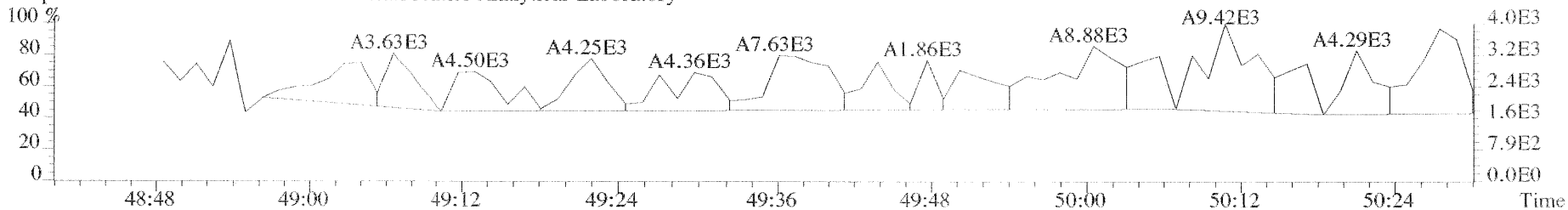
File:11NOV20Z #1-407 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



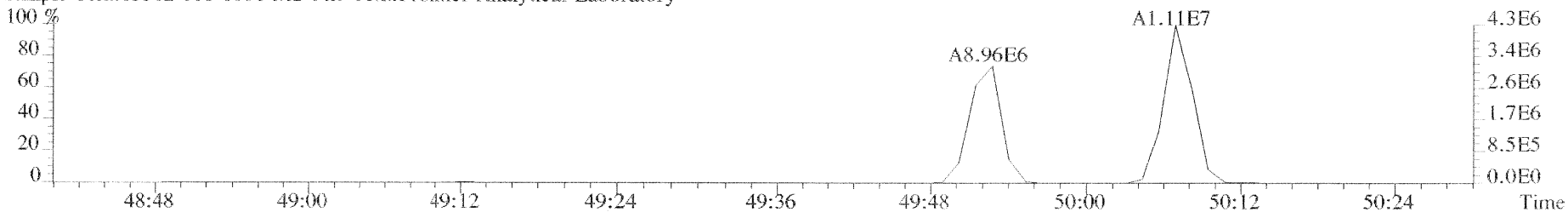
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



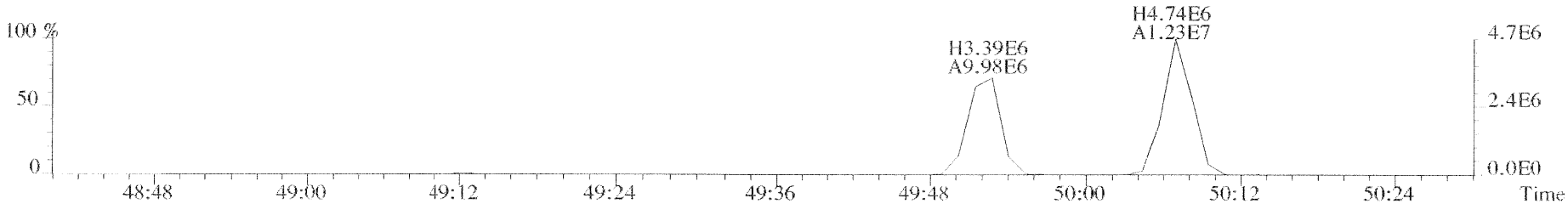
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



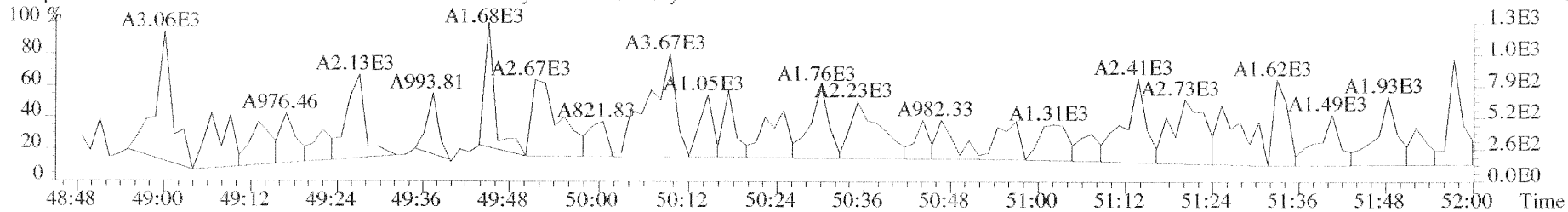
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



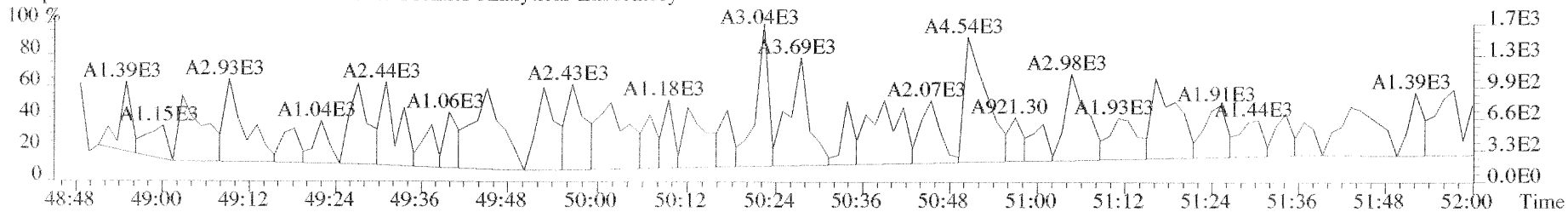
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



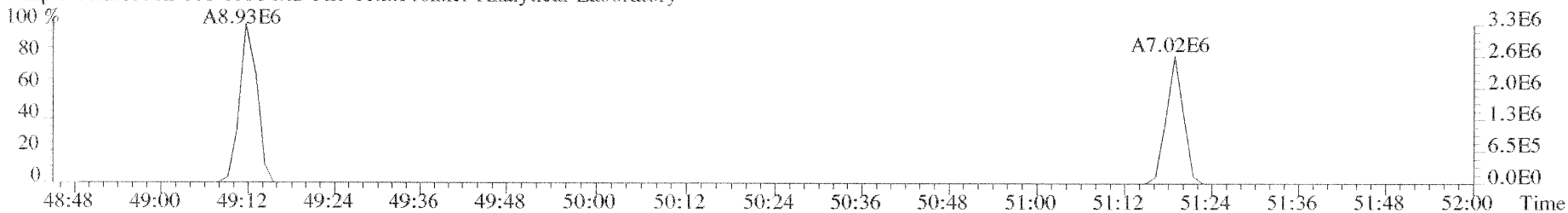
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



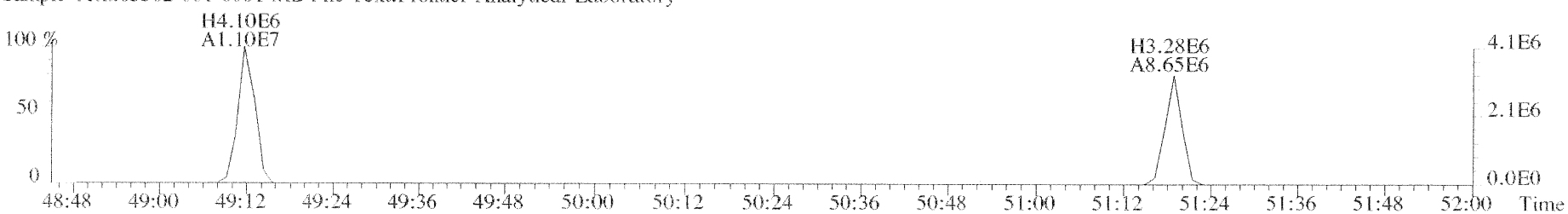
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



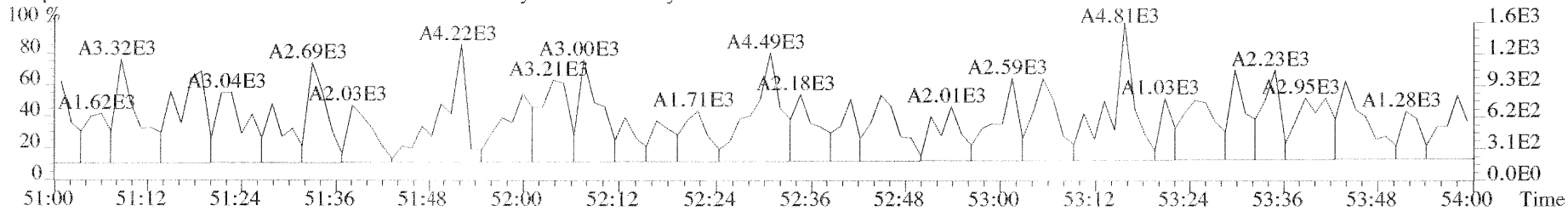
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



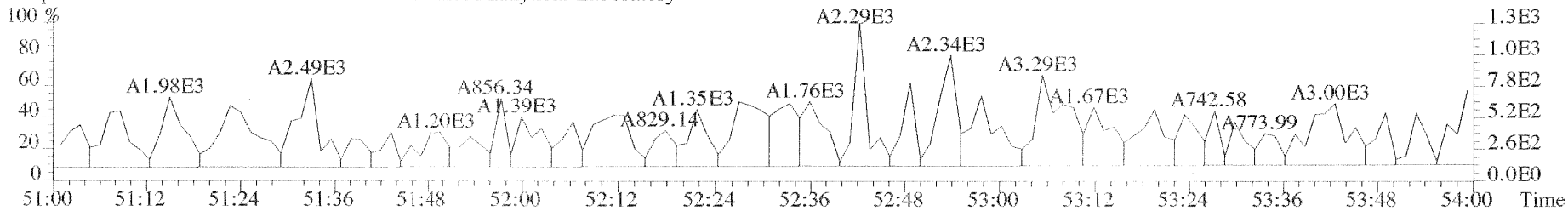
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



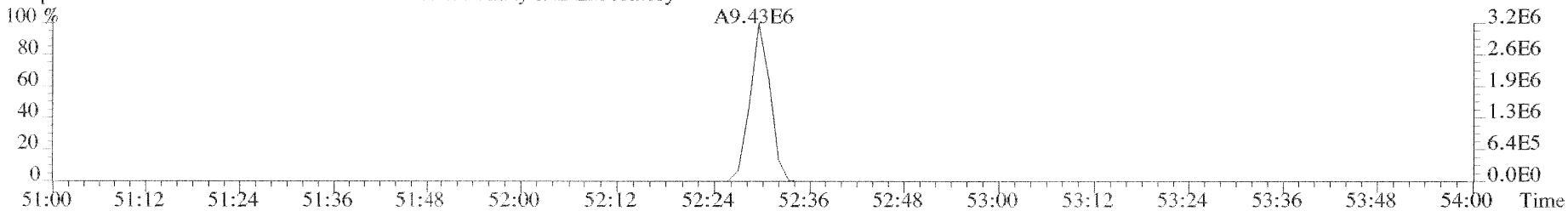
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



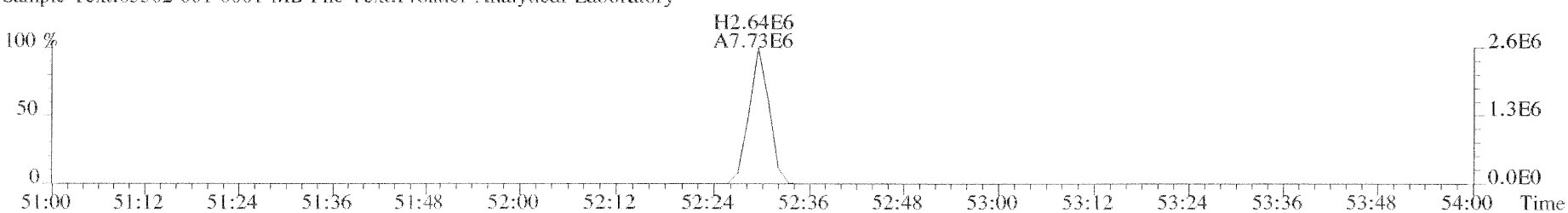
File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-MB File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 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:05502-001-0001-MB File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 08:09:17 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:05502-001-0001-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: 05502-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 11NOV20Z Sam:2

Ext. Date: 10/28/20 Shift: Day Analysis Date: 11-NOV-20 07:10:56

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	49.4	30.0 - 67.5
PCB-3	50	51.9	30.0 - 67.5
PCB-4	50	55.5	30.0 - 67.5
PCB-15	50	47.7	30.0 - 67.5
PCB-19	50	51.2	30.0 - 67.5
PCB-37	50	48.7	30.0 - 67.5
PCB-54	50	50.1	30.0 - 67.5
PCB-77	50	51.2	30.0 - 67.5
PCB-81	50	47.6	30.0 - 67.5
PCB-104	50	50.3	30.0 - 67.5
PCB-105	50	44.5	30.0 - 67.5
PCB-114	50	44.0	30.0 - 67.5
PCB-118	50	50.3	30.0 - 67.5
PCB-123	50	50.1	30.0 - 67.5
PCB-126	50	47.1	30.0 - 67.5
PCB-155	50	52.3	30.0 - 67.5
PCB-156	50	46.5	30.0 - 67.5
PCB-157	50	47.7	30.0 - 67.5
PCB-167	50	50.4	30.0 - 67.5
PCB-169	50	52.5	30.0 - 67.5
PCB-188	50	51.0	30.0 - 67.5
PCB-189	50	52.1	30.0 - 67.5
PCB-202	50	54.2	30.0 - 67.5
PCB-205	50	50.7	30.0 - 67.5
PCB-206	50	51.0	30.0 - 67.5
PCB-208	50	49.9	30.0 - 67.5
PCB-209	50	50.0	30.0 - 67.5

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

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05502-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 11NOV20Z Sam:2

Ext. Date: 10/28/20 Shift: Day Analysis Date: 11-NOV-20 07:10:56

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	95.7	15.0 - 145
13C-PCB-3	100	93.4	15.0 - 145
13C-PCB-4	100	95.6	15.0 - 145
13C-PCB-15	100	92.4	15.0 - 145
13C-PCB-19	100	92.2	15.0 - 145
13C-PCB-37	100	90.5	15.0 - 145
13C-PCB-54	100	114	15.0 - 145
13C-PCB-77	100	97.4	40.0 - 145
13C-PCB-81	100	96.2	40.0 - 145
13C-PCB-104	100	95.1	40.0 - 145
13C-PCB-105	100	96.9	40.0 - 145
13C-PCB-114	100	95.0	40.0 - 145
13C-PCB-118	100	93.0	40.0 - 145
13C-PCB-123	100	93.4	40.0 - 145
13C-PCB-126	100	96.6	40.0 - 145
13C-PCB-155	100	96.9	40.0 - 145
13C-PCB-156	100	95.1	40.0 - 145
13C-PCB-157	100	91.9	40.0 - 145
13C-PCB-167	100	93.8	40.0 - 145
13C-PCB-169	100	90.8	40.0 - 145
13C-PCB-188	100	96.0	40.0 - 145
13C-PCB-189	100	91.9	40.0 - 145
13C-PCB-202	100	90.4	40.0 - 145
13C-PCB-205	100	95.0	40.0 - 145
13C-PCB-206	100	95.1	40.0 - 145
13C-PCB-208	100	101	40.0 - 145
13C-PCB-209	100	96.8	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	115	15.0 - 145
13C-PCB-111	100	98.6	40.0 - 145
13C-PCB-178	100	94.1	40.0 - 145

Analyst: b Date: 11/11/20

FAL ID: 05502-001-0001-OPR Filename: 11NOV20Z Sam:2 Acquired: 11-NOV-20 07:10:56 ICal: DAILY209FAL4-11-11-20 1 of 2
Client ID: OPR ConCal: ST111120Z1 EndCal: ST111120Z2
Results: GC Column: DB1MS Amount: 1.000

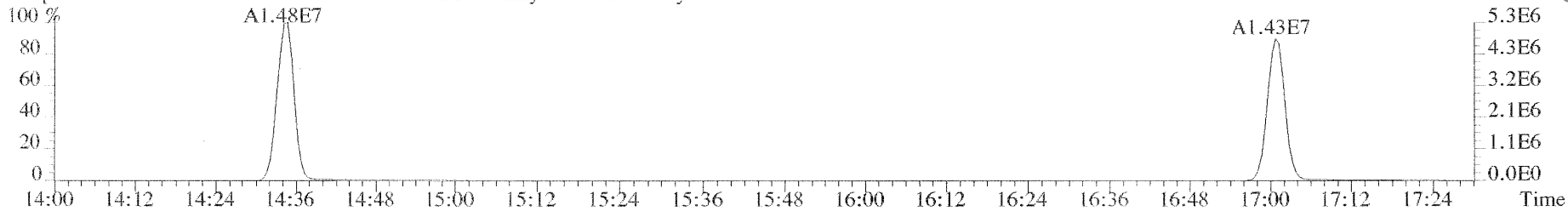
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.95e+07	3.19 y	14:35	1.30	49.4		2.50	-	-	*	
13C-PCB-1	3.04e+07	3.26 y	14:33	0.83	95.7		2.50				95.7
PCB-3	1.88e+07	3.17 y	17:01	1.27	51.9		2.50	-	-	*	
13C-PCB-3	2.87e+07	3.26 y	16:60	0.81	93.4		2.50				93.4
PCB-4	1.44e+07	1.54 y	18:16	1.09	55.5		2.50	-	-	*	
13C-PCB-4	2.39e+07	1.56 y	18:15	0.66	95.6		2.50				95.6
PCB-15	2.08e+07	1.53 y	23:47	1.22	47.7		2.50	-	-	*	
13C-PCB-15	3.56e+07	1.58 y	23:46	1.01	92.4		2.50				92.4
PCB-19	1.00e+07	1.07 y	22:10	1.29	51.2		2.50	-	-	*	
13C-PCB-19	1.52e+07	1.09 y	22:08	0.43	92.2		2.50				92.2
13C-PCB-9	3.81e+07	1.61 y	19:55	-	39.0		2.50				
PCB-37	1.56e+07	1.07 y	30:26	1.22	48.7		2.50	-	-	*	
13C-PCB-37	2.63e+07	1.04 y	30:25	1.72	90.5		2.50				90.5
PCB-54	1.35e+07	0.81 y	25:42	1.32	50.1		2.50	-	-	*	
13C-PCB-54	2.05e+07	0.84 y	25:40	1.06	114		2.50				114
PCB-104	8.57e+06	1.56 y	30:08	1.19	50.3		2.50	-	-	*	
13C-PCB-104	1.43e+07	1.59 y	30:07	0.89	95.1		2.50				95.1
13C-PCB-28	3.69e+07	1.07 y	26:45	1.90	115		2.50				115
13C-PCB-52	1.69e+07	0.81 y	29:01	-	33.2		2.50				
PCB-81	1.34e+07	0.80 y	36:12	1.28	47.6		2.50	-	-	*	
13C-PCB-81	2.19e+07	0.81 y	36:11	1.63	96.2		2.50				96.2
PCB-77	1.31e+07	0.79 y	36:46	1.14	51.2		2.50	-	-	*	
13C-PCB-77	2.24e+07	0.81 y	36:45	1.65	97.4		2.50				97.4
PCB-155	8.76e+06	1.27 y	34:19	1.10	52.3		2.50	-	-	*	
13C-PCB-155	1.52e+07	1.32 y	34:17	1.12	96.9		2.50				96.9
13C-PCB-111	1.73e+07	1.62 y	36:21	1.26	98.6		2.50				98.6
13C-PCB-101	1.39e+07	1.59 y	34:43	-	30.5		2.50				
PCB-123	1.22e+07	1.60 y	38:24	1.12	50.1		2.50	-	-	*	
13C-PCB-123	2.17e+07	1.59 y	38:23	1.36	93.4		2.50				93.4
PCB-118	1.33e+07	1.63 y	38:34	1.16	50.3		2.50	-	-	*	
13C-PCB-118	2.27e+07	1.61 y	38:34	1.43	93.0		2.50				93.0
PCB-114	1.24e+07	1.62 y	39:12	1.27	44.0		2.50	-	-	*	
13C-PCB-114	2.21e+07	1.60 y	39:11	1.36	95.0		2.50				95.0
PCB-105	1.25e+07	1.59 y	40:02	1.26	44.5		2.50	-	-	*	
13C-PCB-105	2.23e+07	1.59 y	39:60	1.35	96.9		2.50				96.9
PCB-126	1.23e+07	1.58 y	42:08	1.19	47.1		2.50	-	-	*	
13C-PCB-126	2.20e+07	1.59 y	42:07	1.33	96.6		2.50				96.6
PCB-167	1.12e+07	1.25 y	43:31	1.19	50.4		2.50	-	-	*	
13C-PCB-167	1.87e+07	1.26 y	43:29	1.17	93.8		2.50				93.8
PCB-156	1.12e+07	1.24 y	44:45	1.28	46.5		2.50	-	-	*	
13C-PCB-156	1.88e+07	1.28 y	44:43	1.16	95.1		2.50				95.1
PCB-157	1.08e+07	1.26 y	44:59	1.22	47.7		2.50	-	-	*	
13C-PCB-157	1.85e+07	1.29 y	44:58	1.18	91.9		2.50				91.9
PCB-169	1.11e+07	1.27 y	46:50	1.14	52.5		2.50	-	-	*	
13C-PCB-169	1.85e+07	1.32 y	46:48	1.19	90.8		2.50				90.8
PCB-188	9.20e+06	1.07 y	39:48	1.15	51.0		2.50	-	-	*	
13C-PCB-188	1.57e+07	1.07 y	39:47	0.96	96.0		2.50				96.0
PCB-189	8.37e+06	1.05 y	48:29	1.08	52.1		2.50	-	-	*	
13C-PCB-189	1.49e+07	1.07 y	48:29	0.95	91.9		2.50				91.9
PCB-202	7.00e+06	0.90 y	44:55	1.05	54.2		2.50	-	-	*	
13C-PCB-202	1.23e+07	0.91 y	44:55	0.80	90.4		2.50				90.4
13C-PCB-178	1.23e+07	1.09 y	42:25	0.76	94.1		2.50				94.1
13C-PCB-138	1.71e+07	1.32 y	41:37	-	35.5		2.50				

FAL ID: 05502-001-0001-OPR Filename: 11NOV20Z Sam:2 Acquired: 11-NOV-20 07:10:56 ICal: DAILY209FAL4-11-11-20 2 of 2
Client ID: OPR ConCal: ST111120Z1 EndCal: ST111120Z2
Results: GC Column: DB1MS Amount: 1.000

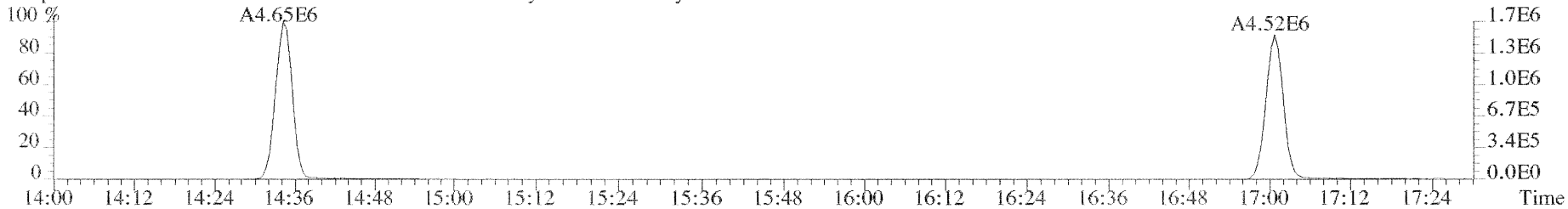
PCB-205	1.14e+07	0.91	y	50:08	1.16	50.7	2.50	-	-	*	
13C-PCB-205	1.93e+07	0.88	y	50:07	1.26	95.0	2.50				95.0
PCB-208	9.70e+06	1.40	y	49:13	1.13	49.9	2.50	-	-	*	
13C-PCB-208	1.72e+07	0.83	y	49:12	1.06	101	2.50				101
PCB-206	7.25e+06	1.38	y	51:19	1.15	51.0	2.50	-	-	*	
13C-PCB-206	1.24e+07	0.81	y	51:19	0.81	95.1	2.50				95.1
PCB-209	8.41e+06	1.20	y	52:31	1.24	50.0	2.50	-	-	*	
13C-PCB-209	1.36e+07	1.22	y	52:29	0.87	96.8	2.50				96.8
13C-PCB-194	1.61e+07	0.90	y	49:51	-	35.7	2.50				

Analyst: _____ Date: 11/11/20

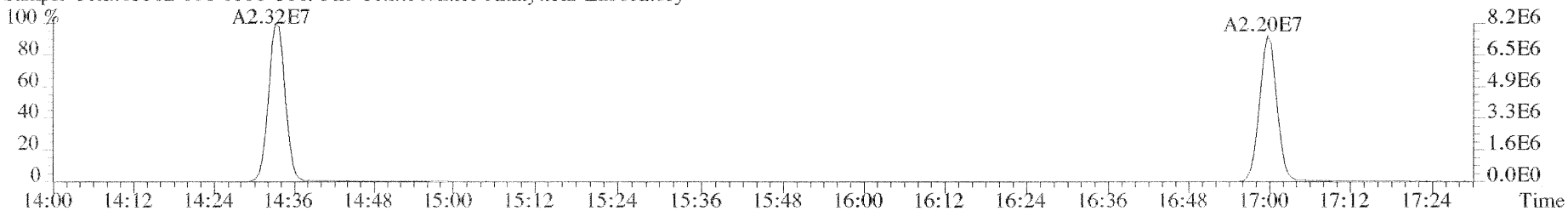
File:11NOV20Z #1-784 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



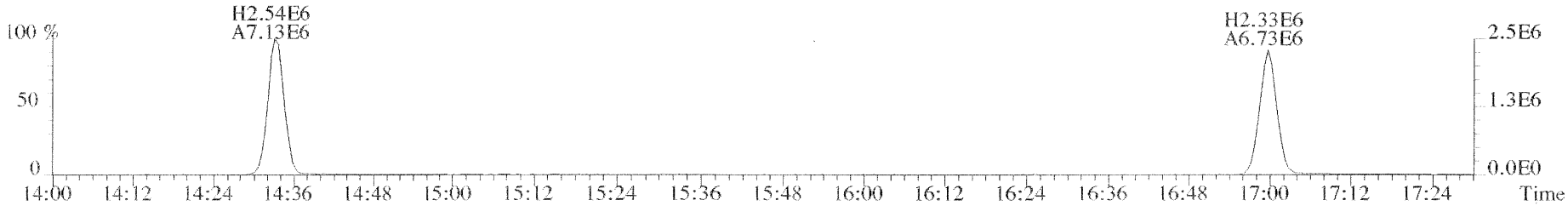
File:11NOV20Z #1-784 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



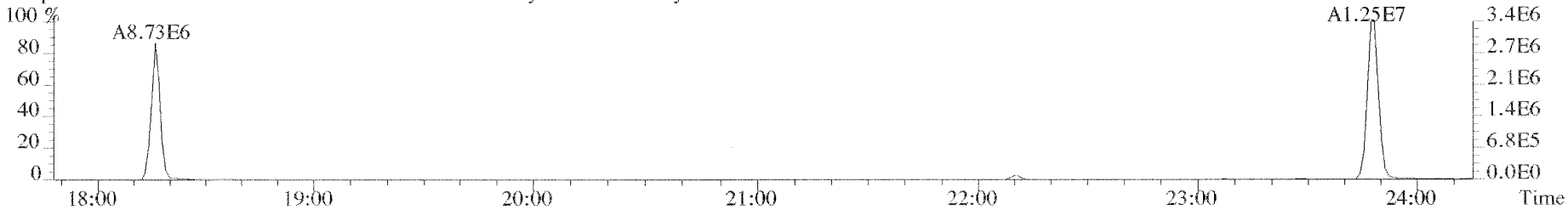
File:11NOV20Z #1-784 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



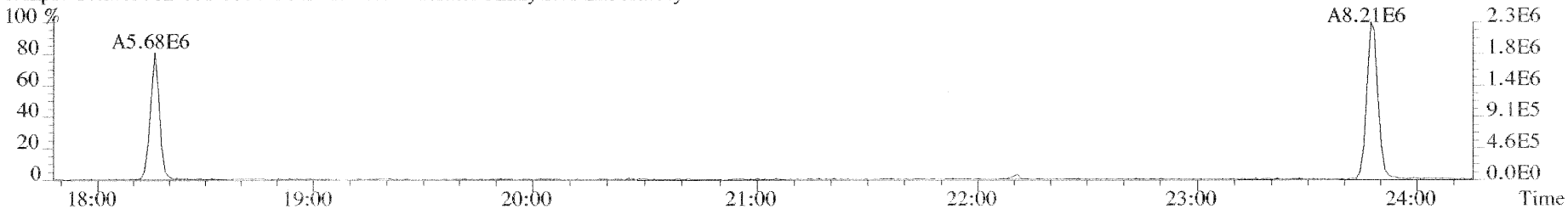
File:11NOV20Z #1-784 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



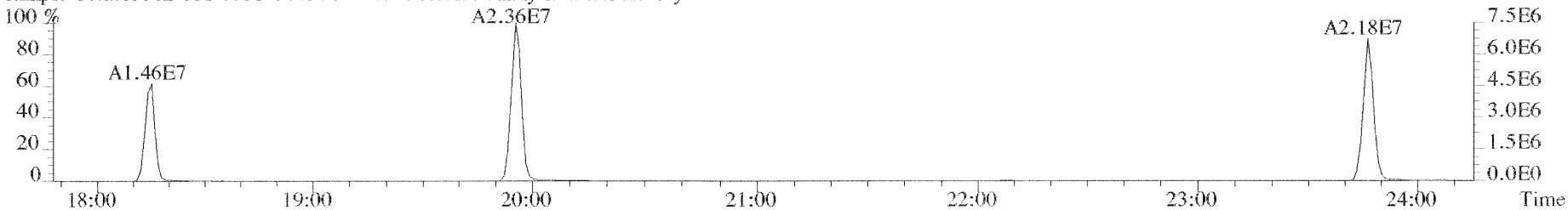
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



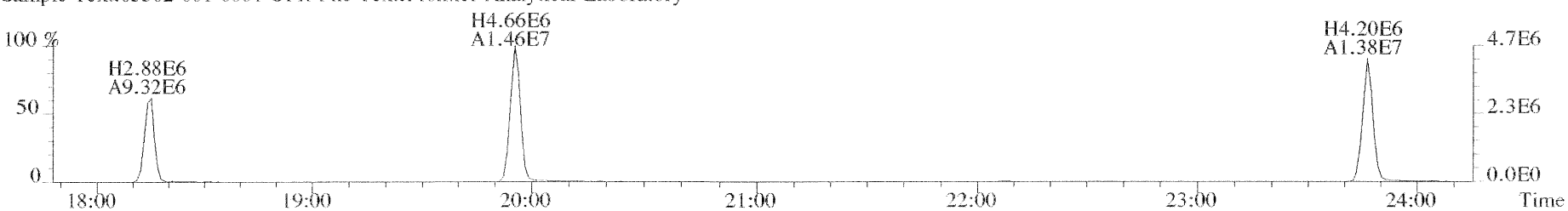
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



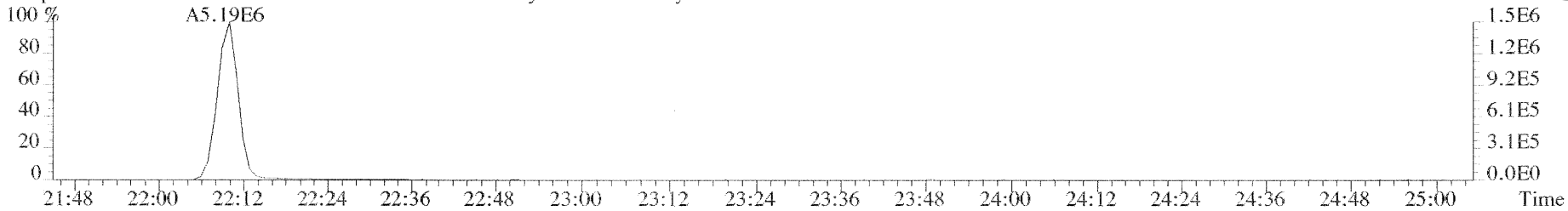
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



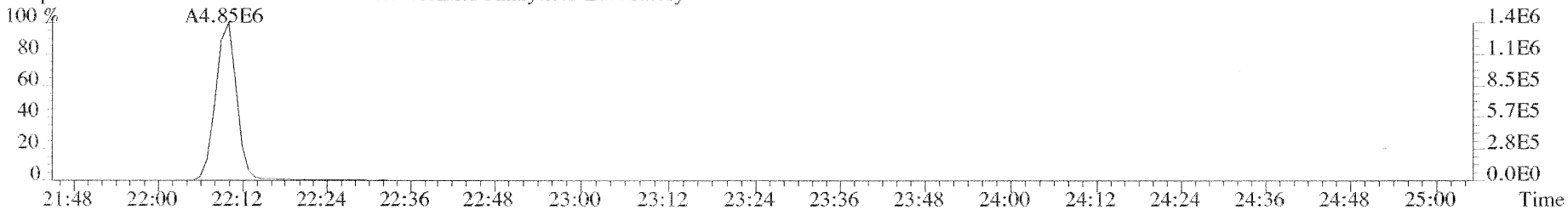
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



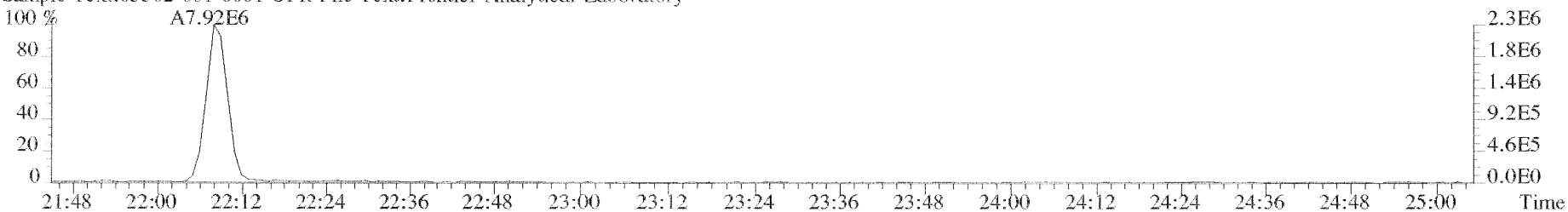
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



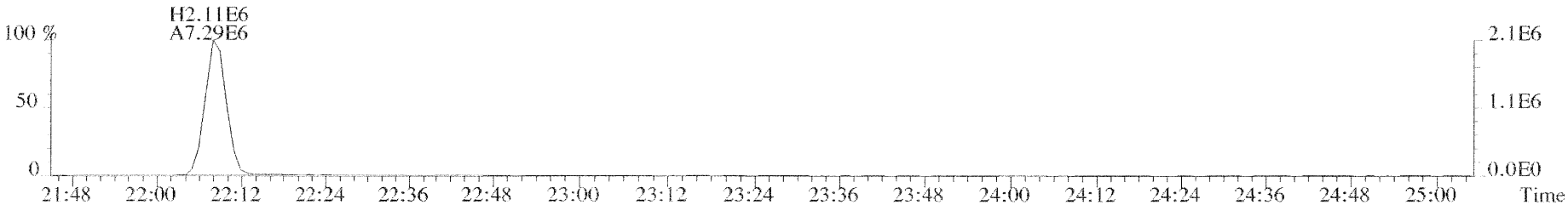
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



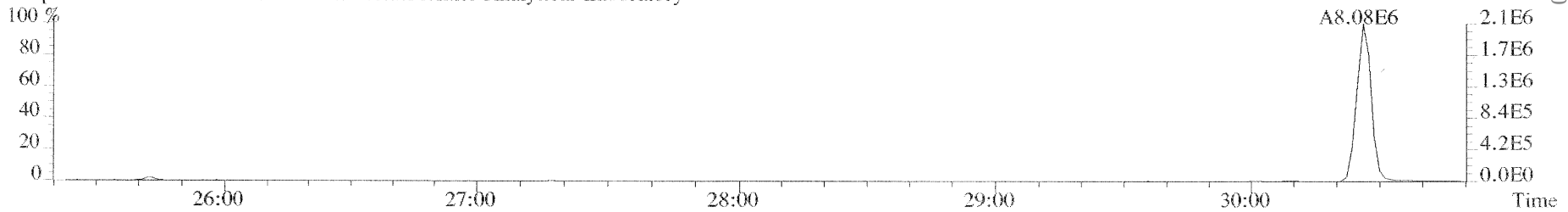
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



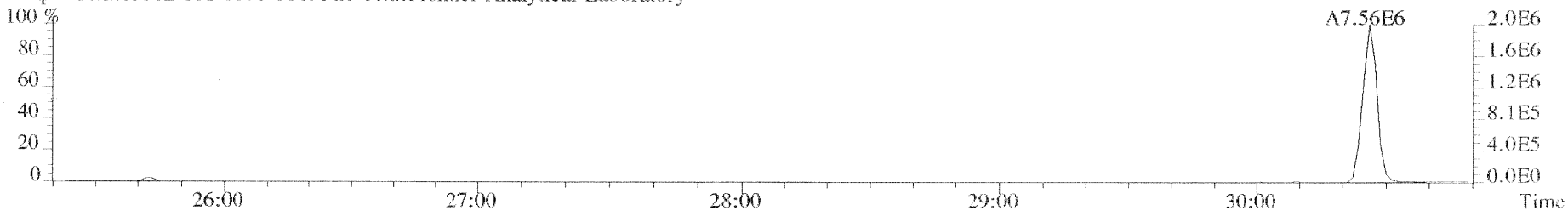
File:11NOV20Z #1-467 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



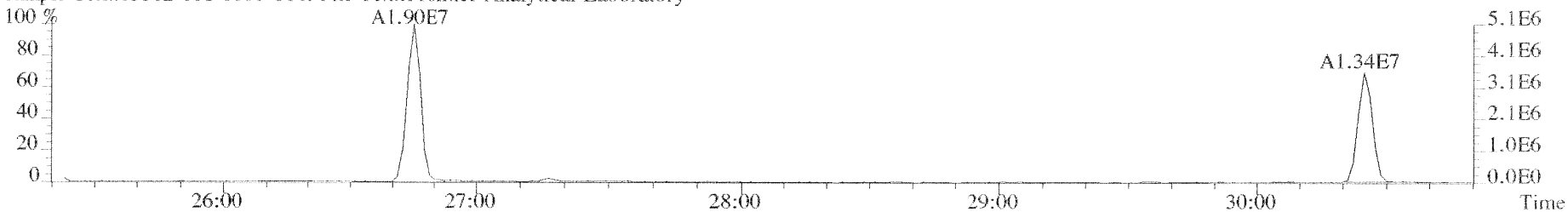
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



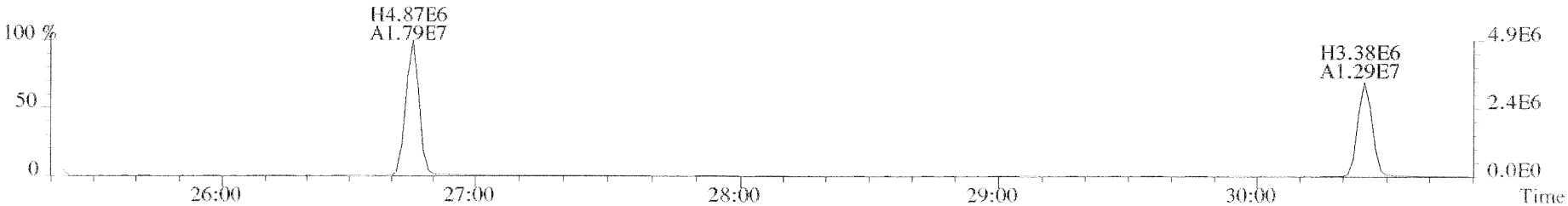
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



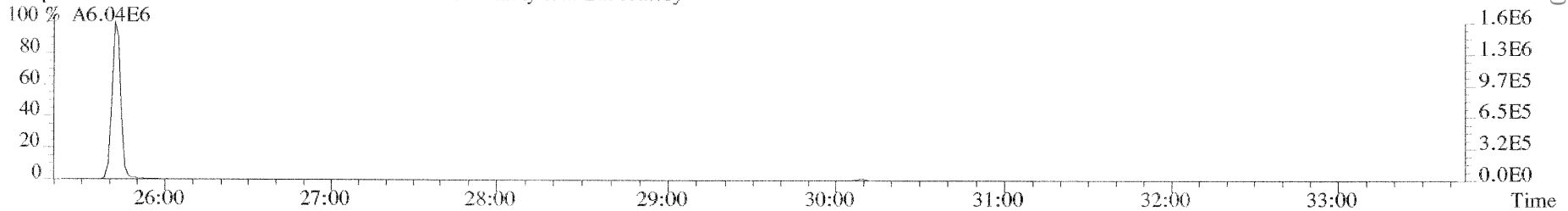
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



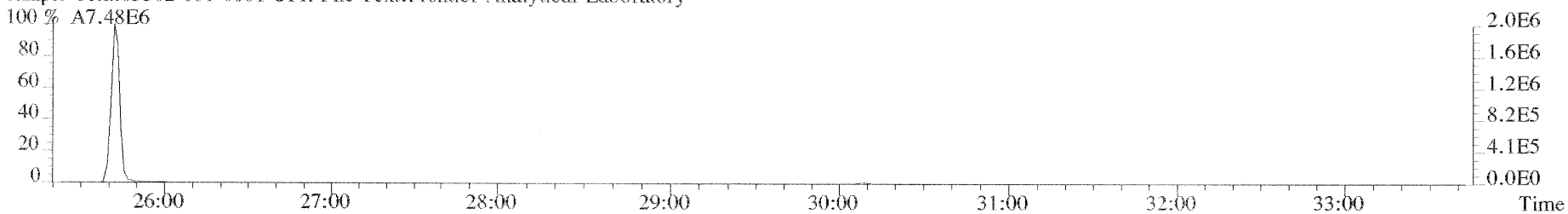
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



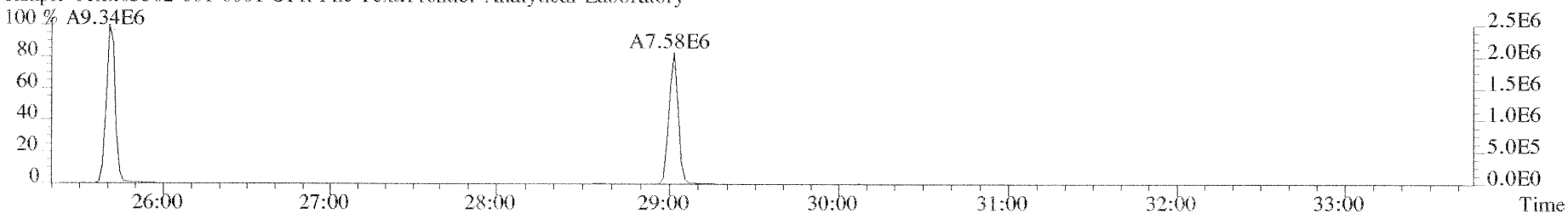
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



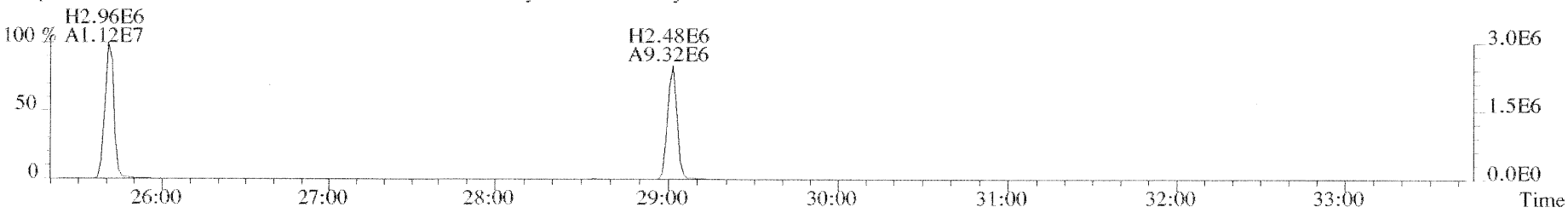
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



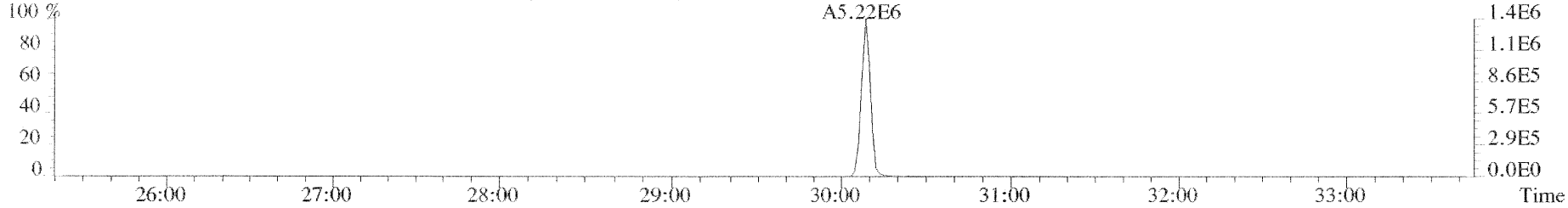
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



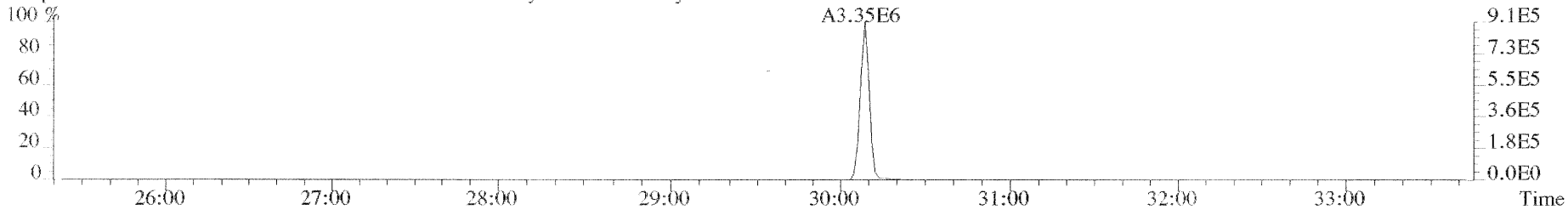
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



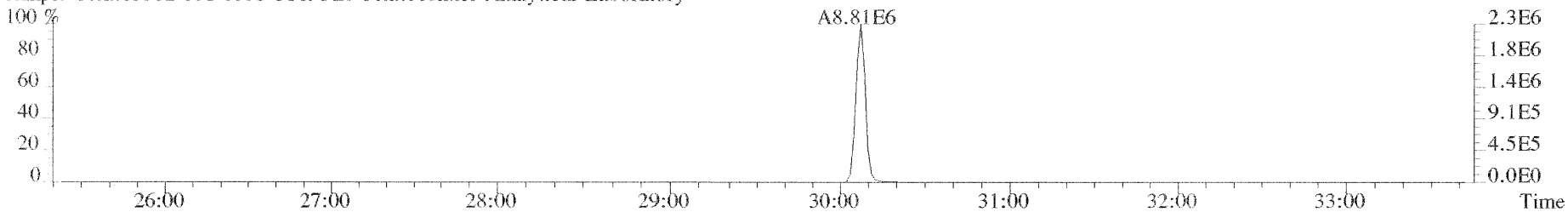
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



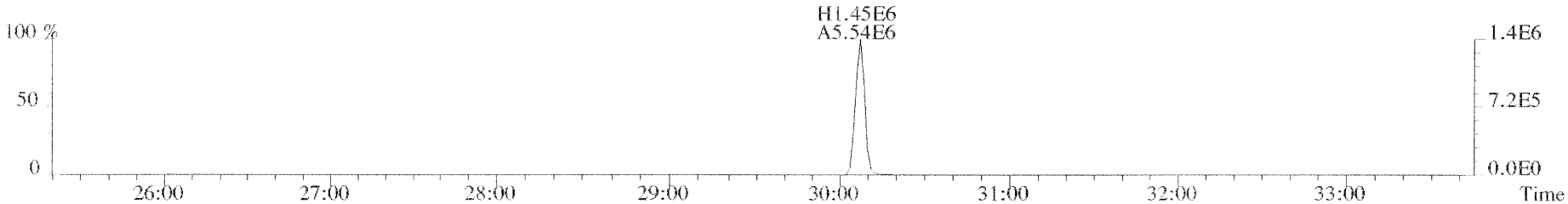
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



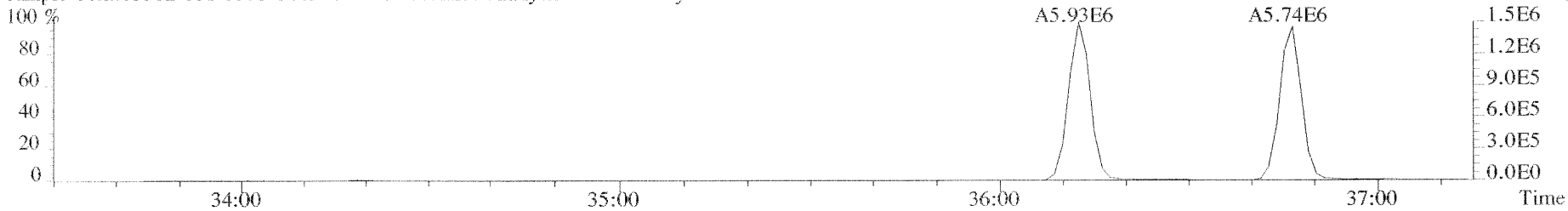
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



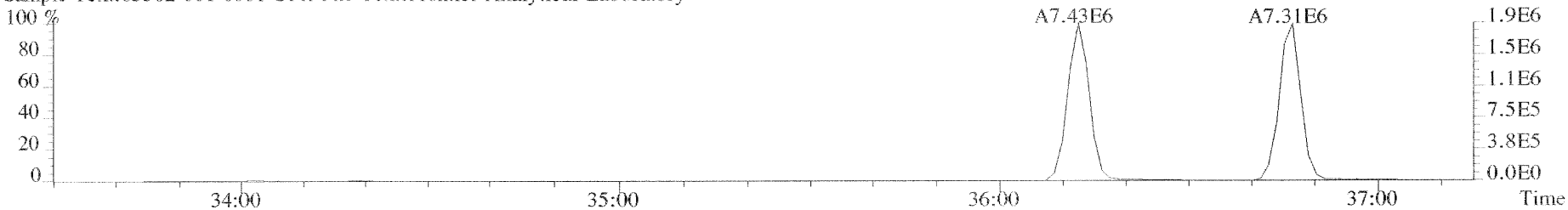
File:11NOV20Z #1-396 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



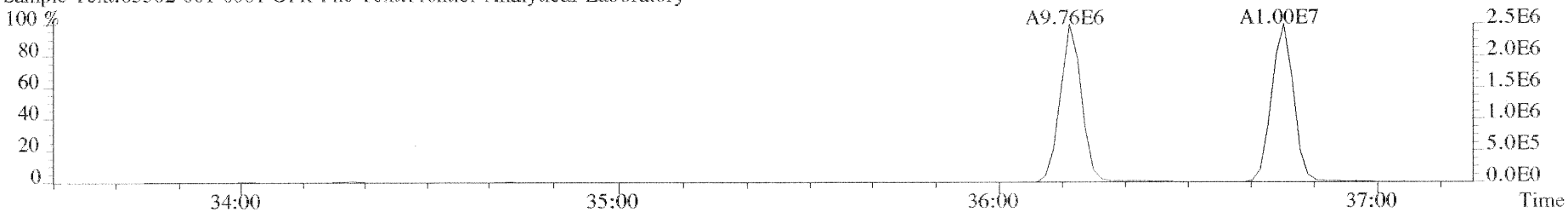
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



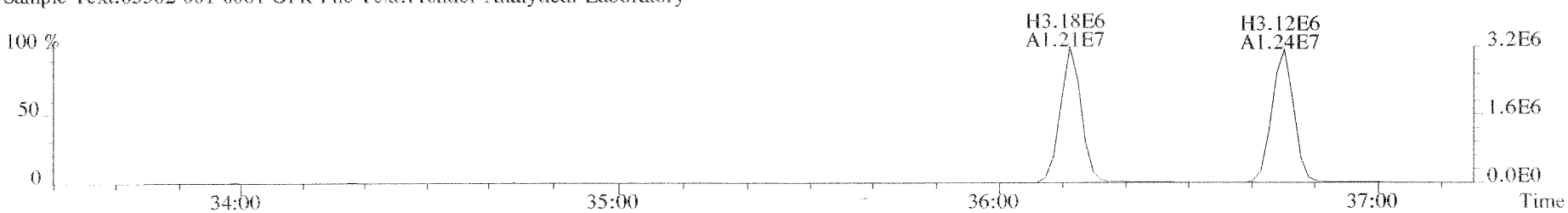
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



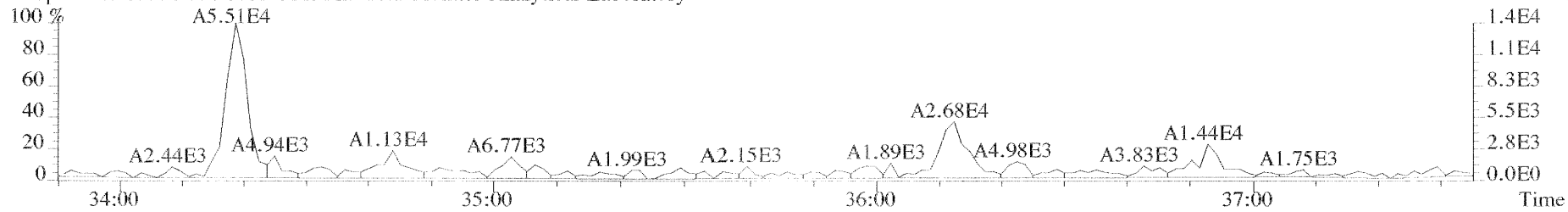
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



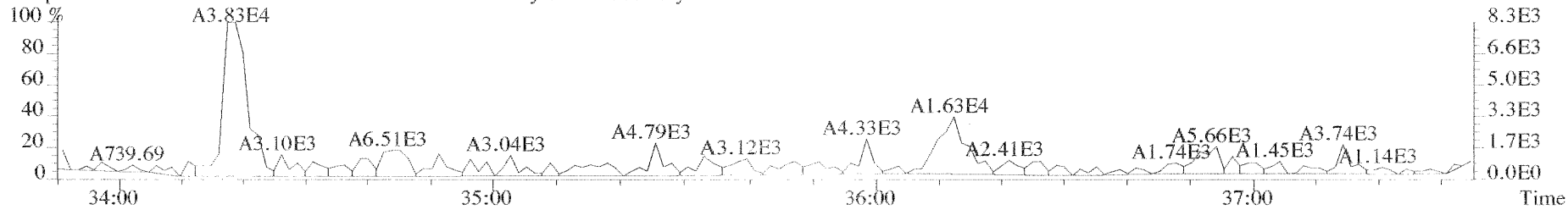
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



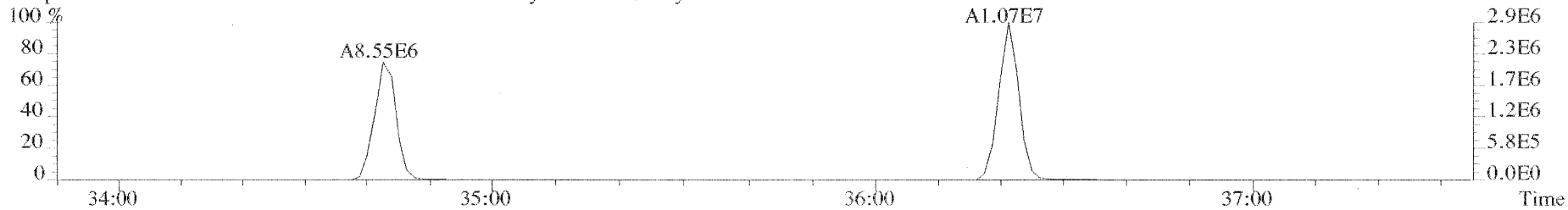
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



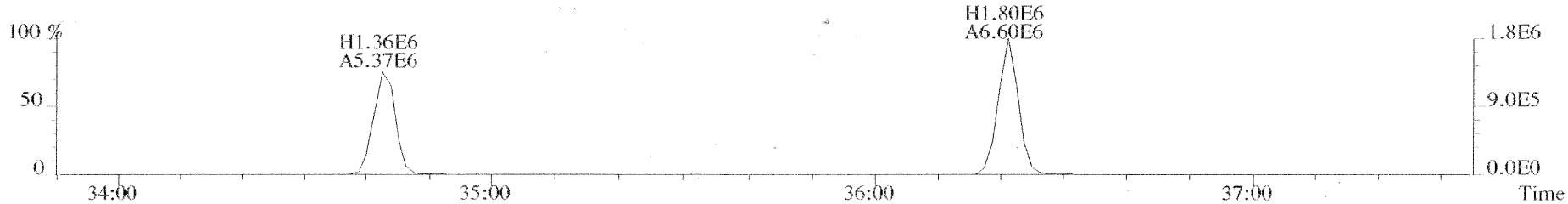
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



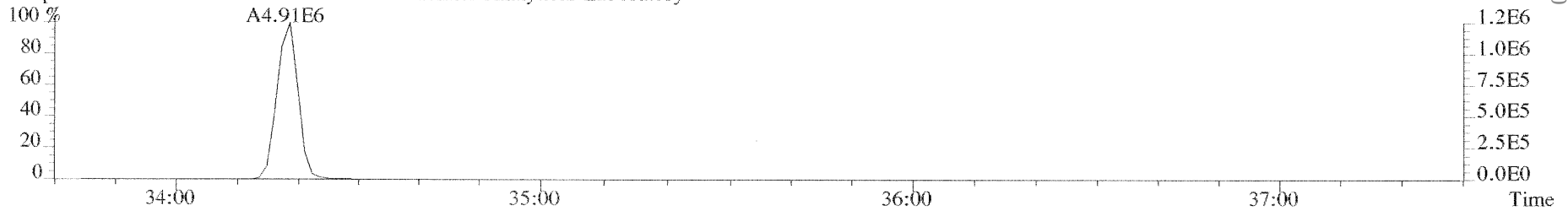
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



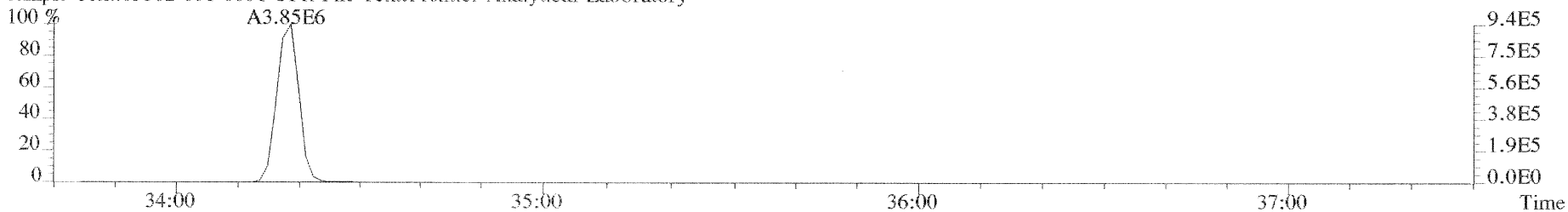
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



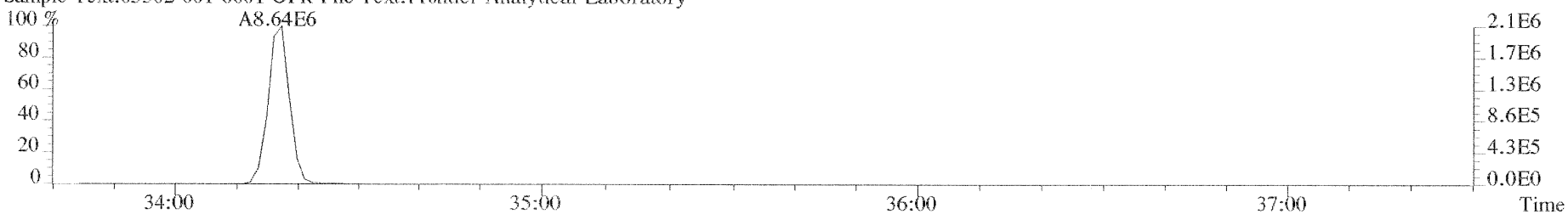
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



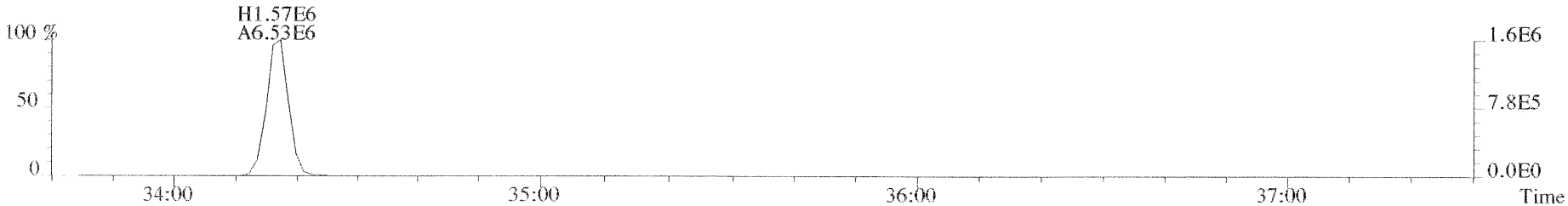
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



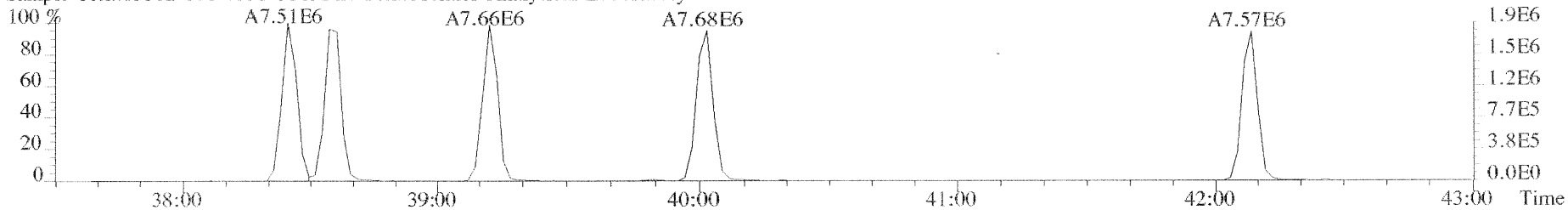
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



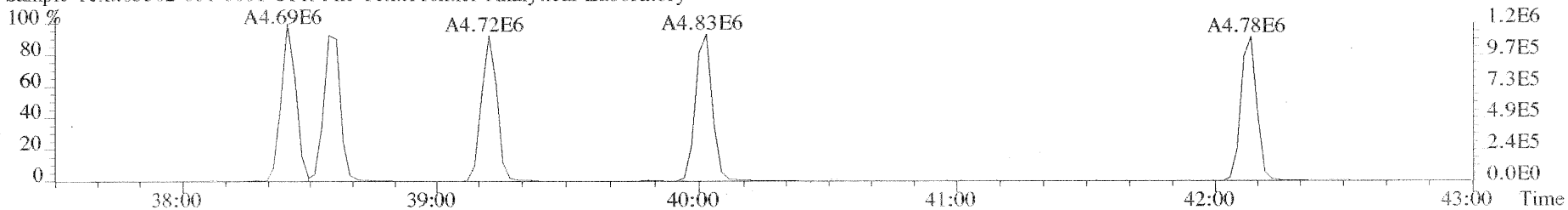
File:11NOV20Z #1-184 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



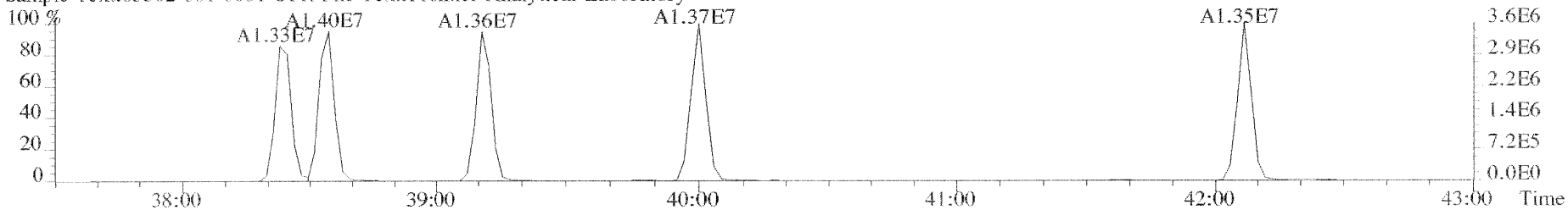
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



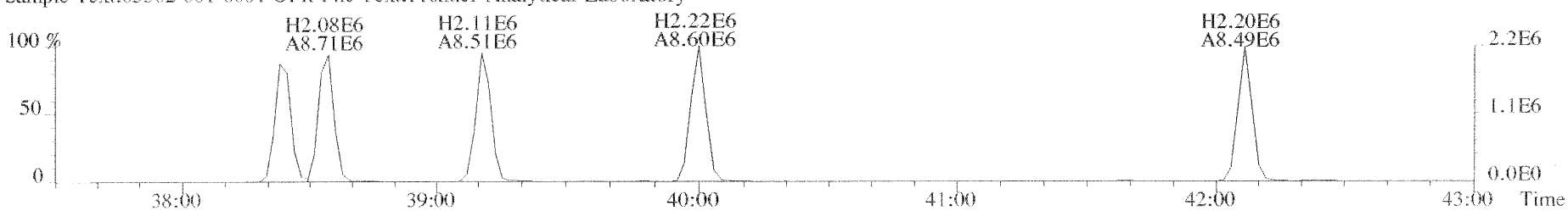
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



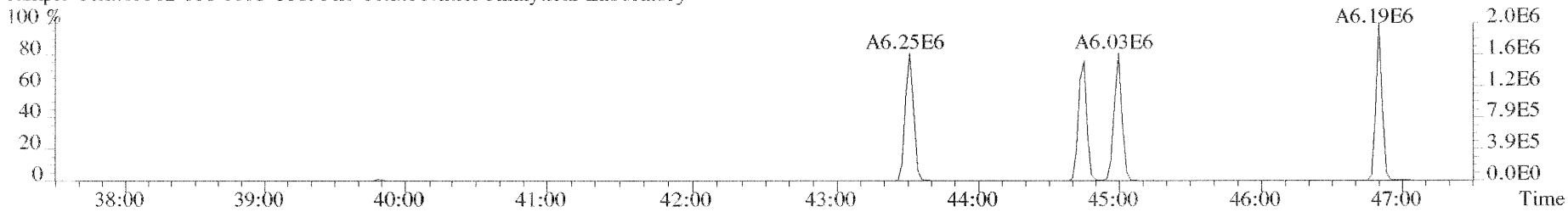
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



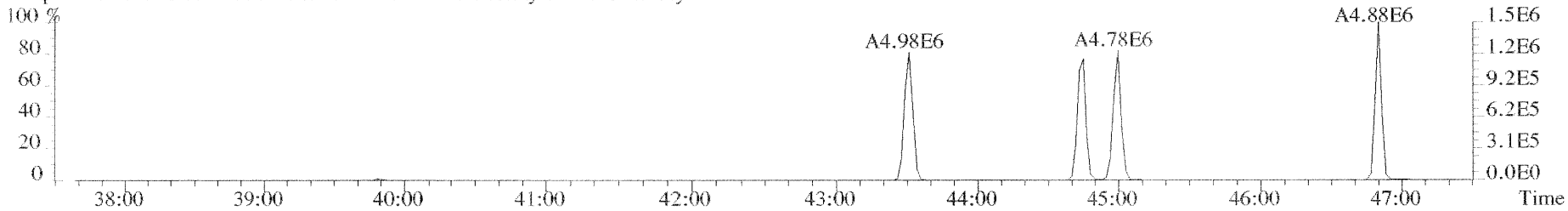
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



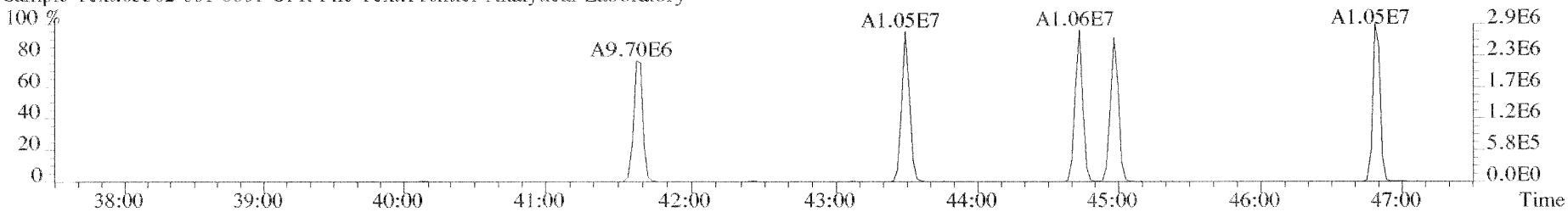
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



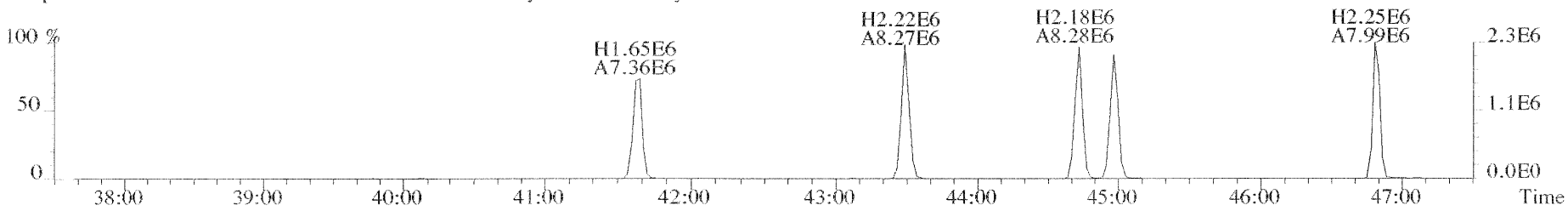
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



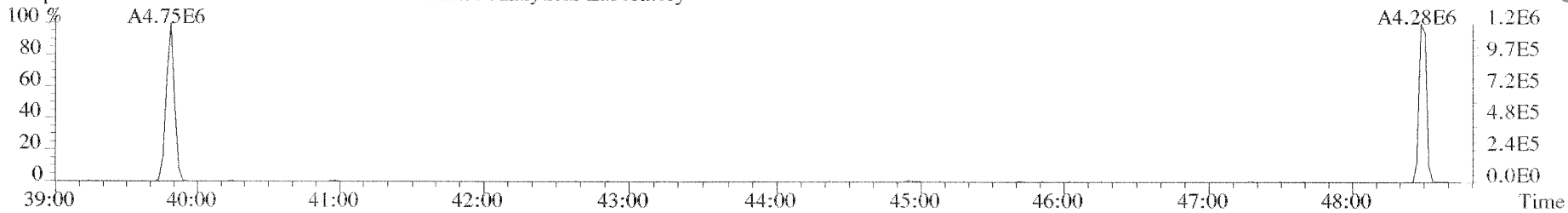
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



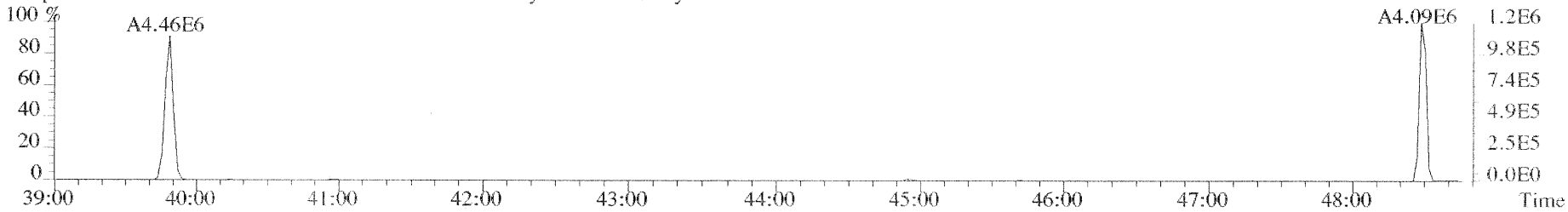
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



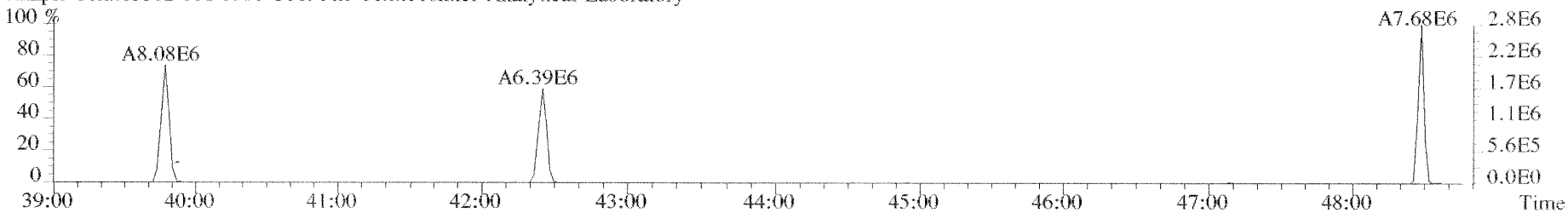
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



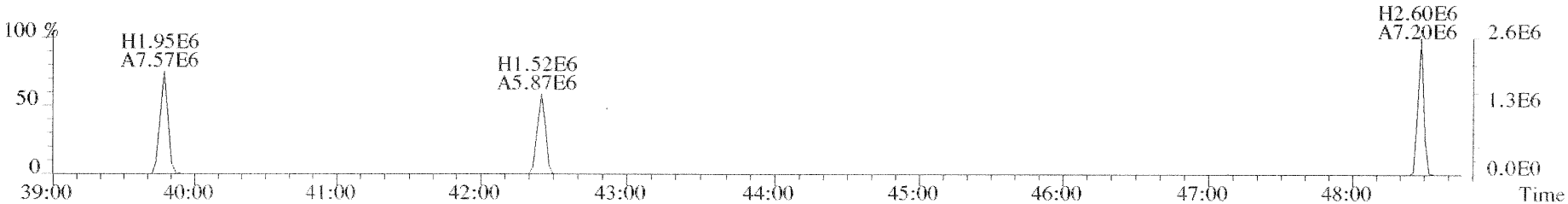
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



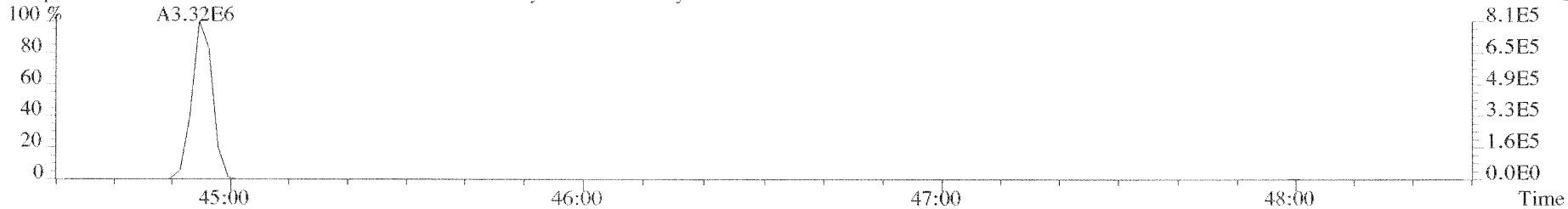
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



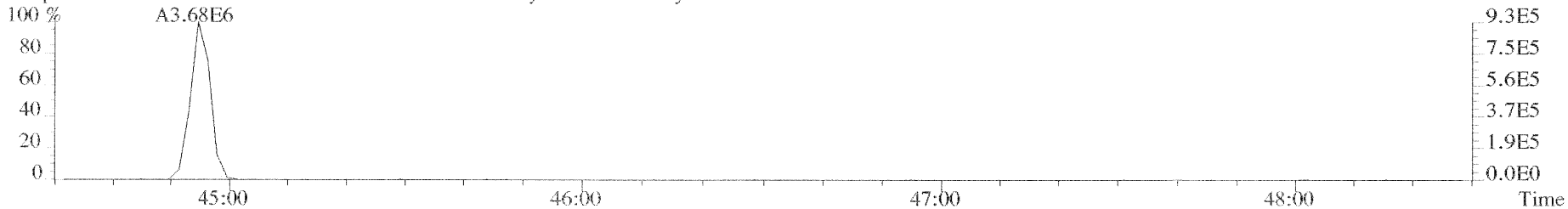
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



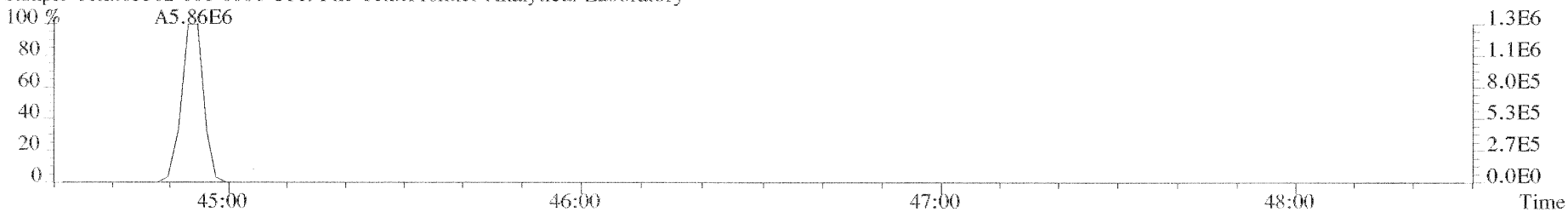
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



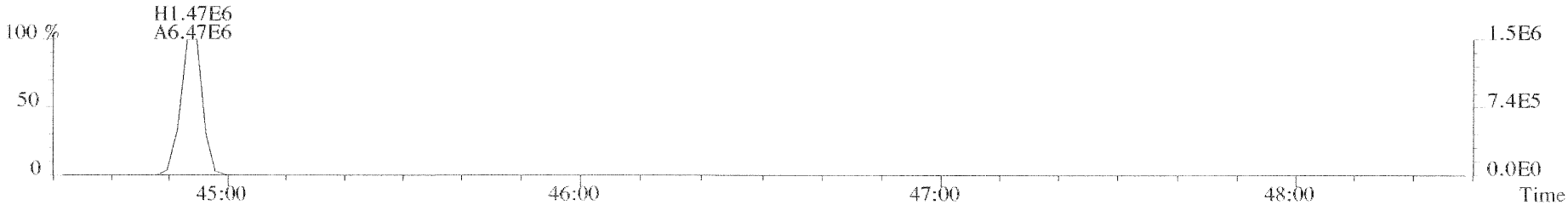
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



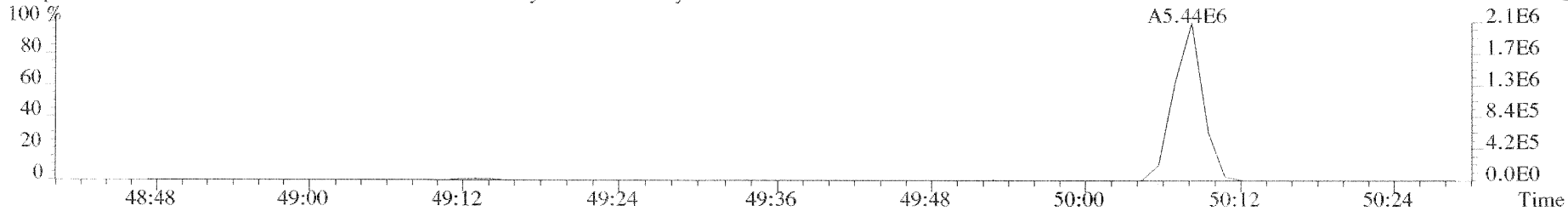
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



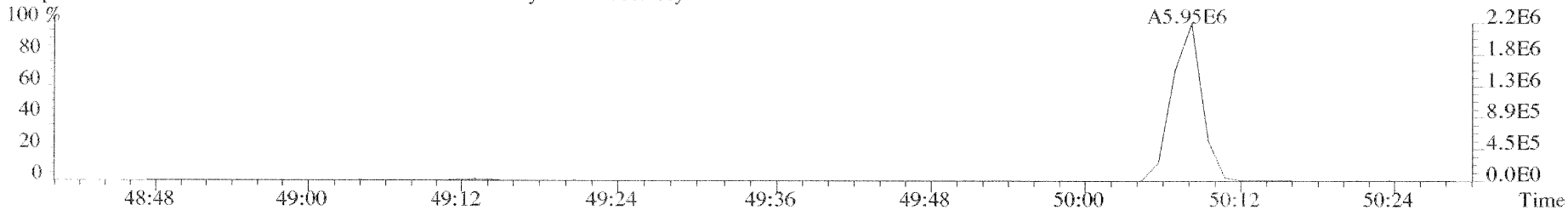
File:11NOV20Z #1-406 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



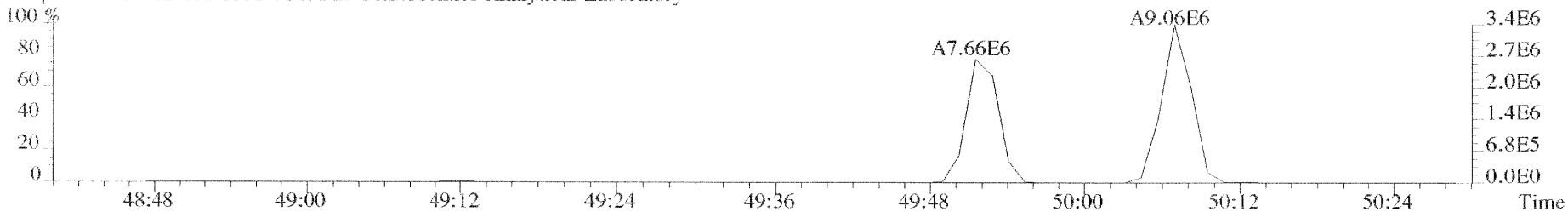
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



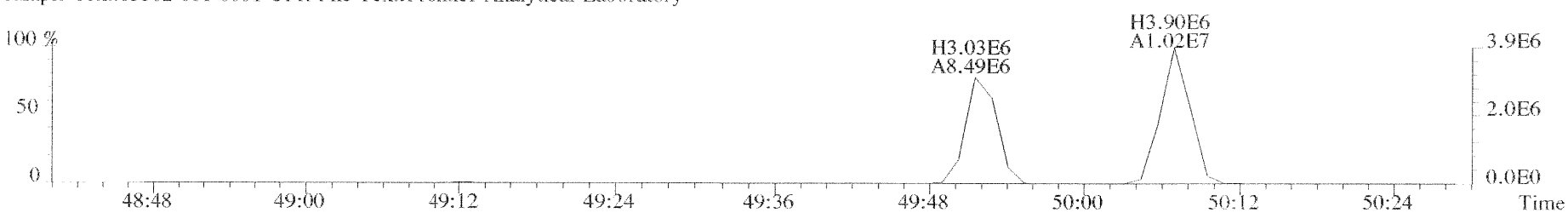
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



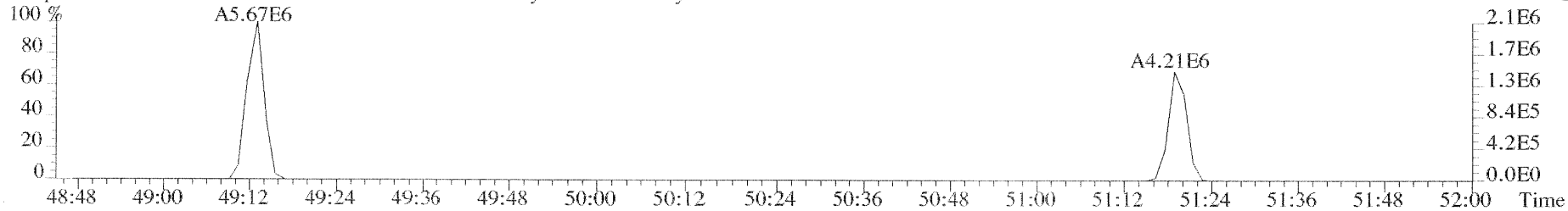
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



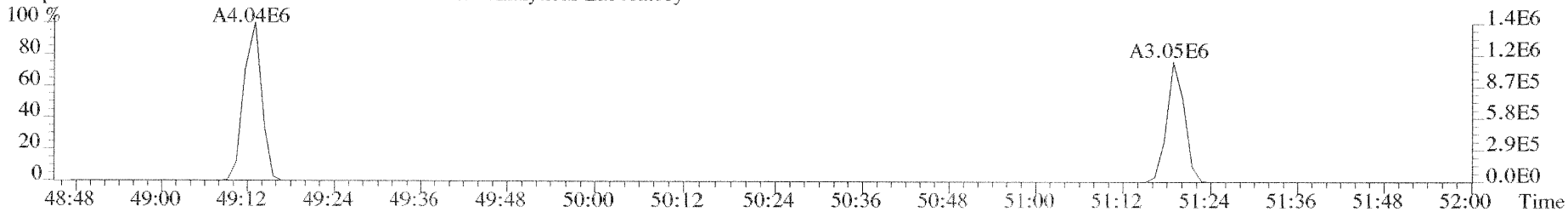
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



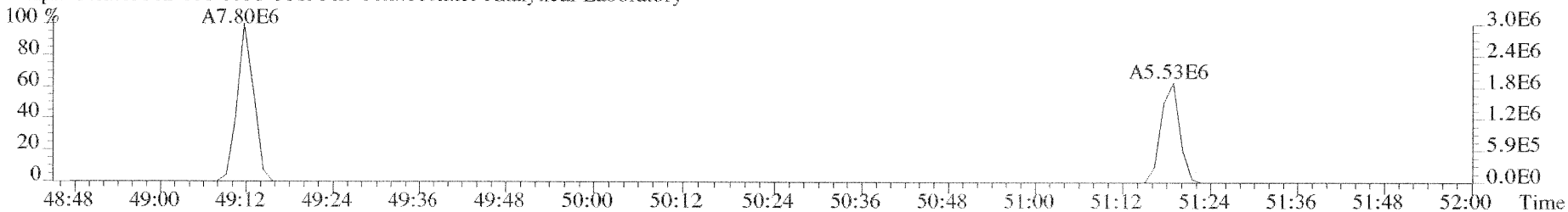
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



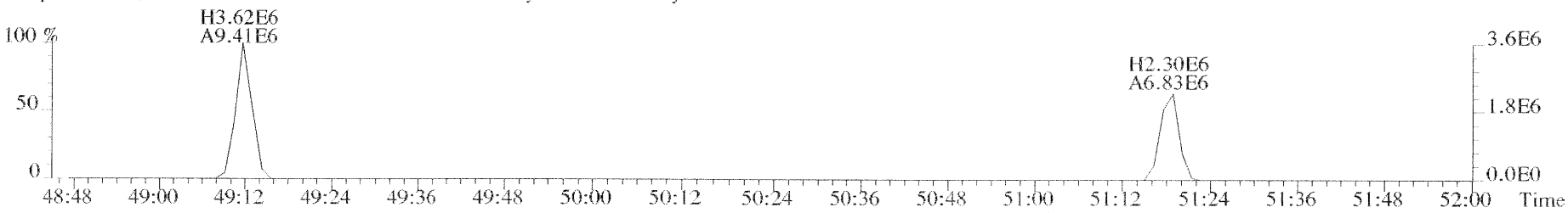
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



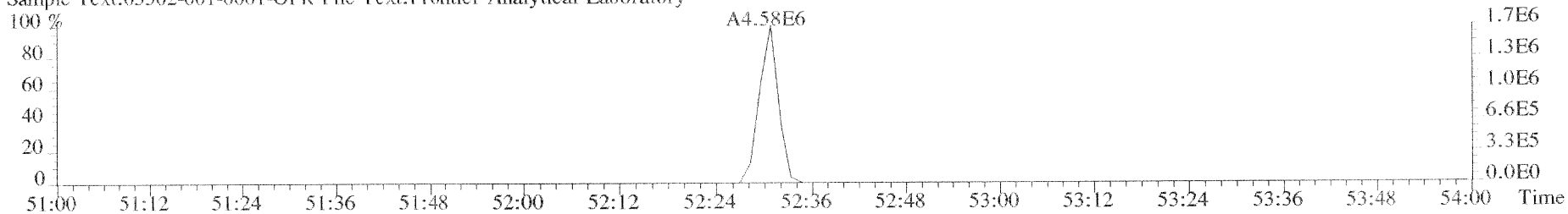
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



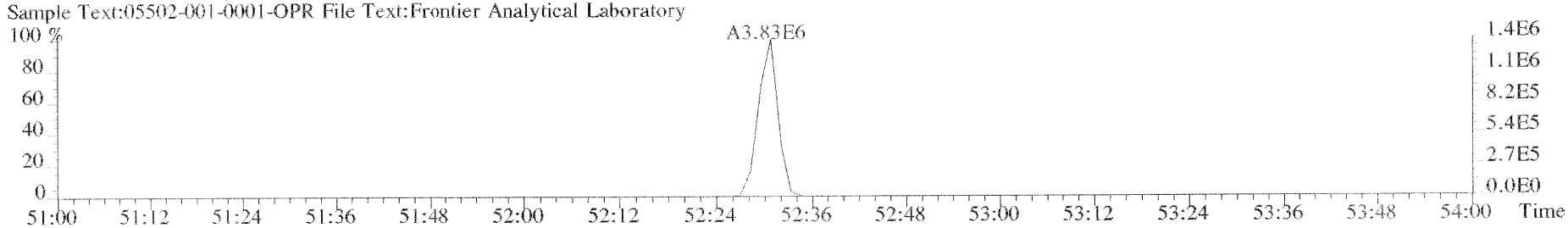
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



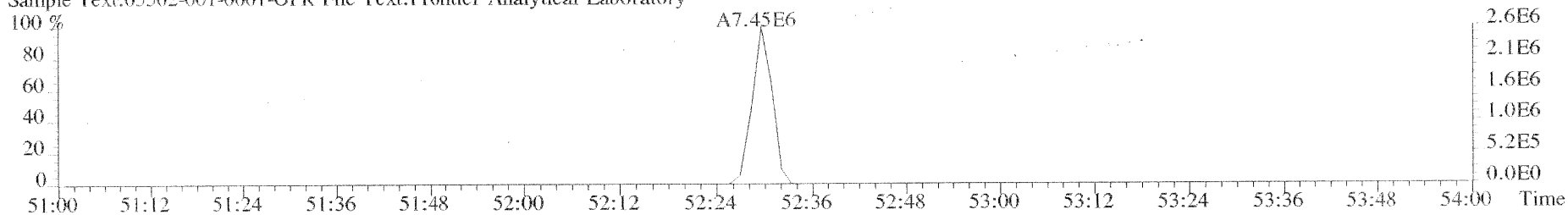
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



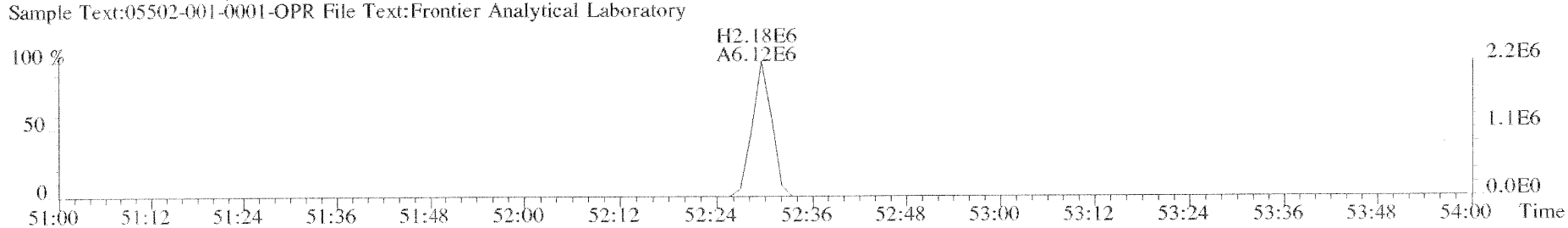
File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 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:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-315 Acq:11-NOV-2020 07:10:56 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:05502-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 05512-001-0001-MB Filename: 10NOV20Z Sam:3 Acquired: 10-NOV-20 09:25:30 ICal: DAILY209FAL4-11-10-20
Client ID: Method Blank ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 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	1.23	*		788	660	0.313			
13C-PCB-1	2.64e+07	3.23	y	14:32	0.89	982					98.2	7.24e+06	2.19e+06
PCB-2	*	*	n	NotFnd	1.25	*		788	660	0.317			
PCB-3	*	*	n	NotFnd	1.21	*		788	660	0.336			
13C-PCB-3	2.55e+07	3.26	y	16:58	0.87	969					96.9	6.74e+06	2.11e+06
PCB-4	*	*	n	NotFnd	0.97	*		600	2420	1.22			
PCB-10	*	*	n	NotFnd	1.52	*		600	2420	0.643			
13C-PCB-4	2.02e+07	1.60	y	18:14	0.65	1020					102	3.95e+06	2.44e+06
PCB-9	*	*	n	NotFnd	1.41	*		600	2420	0.693			
PCB-7	*	*	n	NotFnd	1.43	*		600	2420	0.685			
PCB-6	*	*	n	NotFnd	1.32	*		600	2420	0.741			
PCB-8	*	*	n	NotFnd	1.38	*		600	2420	0.712			
PCB-5	*	*	n	NotFnd	1.34	*		3900	2420	1.53			
PCB-14	*	*	n	NotFnd	1.39	*		600	2420	0.706			
PCB-11	*	*	n	NotFnd	1.24	*		600	2420	0.791			
PCB-13	*	*	n	NotFnd	1.29	*		600	2420	0.758			
PCB-12	*	*	n	NotFnd	1.32	*		600	2420	0.745			
PCB-15	*	*	n	NotFnd	1.18	*		600	2420	0.713			
13C-PCB-15	3.02e+07	1.59	y	23:45	0.96	1040					104	5.46e+06	3.48e+06
PCB-19	*	*	n	NotFnd	1.35	*		1640	384	0.992			
PCB-30	*	*	n	NotFnd	2.01	*		1640	384	0.667			
PCB-18	*	*	n	NotFnd	1.34	*		1640	384	0.997			
PCB-17	*	*	n	NotFnd	1.48	*		1640	384	0.907			
PCB-27	*	*	n	NotFnd	1.94	*		1640	384	0.693			
PCB-24	*	*	n	NotFnd	1.93	*		1640	384	0.695			
PCB-16	*	*	n	NotFnd	1.64	*		1640	384	0.820			
PCB-32	*	*	n	NotFnd	1.69	*		1640	384	0.792			
13C-PCB-19	1.34e+07	1.12	y	22:08	0.45	992					99.2	2.02e+06	1.75e+06
13C-PCB-9	3.03e+07	1.56	y	19:54	-	4.19							
PCB-34	*	*	n	NotFnd	1.27	*		1680	368	0.664			
PCB-23	*	*	n	NotFnd	1.31	*		1680	368	0.642			
PCB-29	*	*	n	NotFnd	1.30	*		1680	368	0.646			
PCB-26	*	*	n	NotFnd	1.22	*		1680	368	0.691			
PCB-25	*	*	n	NotFnd	1.21	*		1680	368	0.698			
PCB-31	*	*	n	NotFnd	1.18	*		1680	368	0.713			
PCB-28	*	*	n	NotFnd	1.51	*		1680	368	0.559			
PCB-20	*	*	n	NotFnd	1.21	*		1680	368	0.694		Co-elute PCB 21/33	
PCB-21	*	*	n	NotFnd	1.21	*		1680	368	0.694		Co-elute PCB 20/33	
PCB-33	*	*	n	NotFnd	1.21	*		1680	368	0.694		Co-elute PCB 20/21	
PCB-22	*	*	n	NotFnd	1.40	*		1680	368	0.604			
PCB-36	*	*	n	NotFnd	1.23	*		1680	368	0.684			
PCB-39	*	*	n	NotFnd	1.21	*		1680	368	0.698			
PCB-38	*	*	n	NotFnd	1.17	*		1680	368	0.720			
PCB-35	*	*	n	NotFnd	1.14	*		1680	368	0.741			
PCB-37	*	*	n	NotFnd	1.20	*		1680	368	0.704			
13C-PCB-37	2.27e+07	1.08	y	30:23	1.40	978					97.8	3.11e+06	2.96e+06

PCB-54	*	*	n	NotFnd	1.24	*	540	1260	0.619			
PCB-50	*	*	n	NotFnd	0.92	*	540	1260	0.839			
PCB-53	*	*	n	NotFnd	0.91	*	540	1260	0.841			
PCB-51	*	*	n	NotFnd	0.98	*	540	1260	0.782			
PCB-45	*	*	n	NotFnd	0.79	*	540	1260	0.970			
PCB-46	*	*	n	NotFnd	0.78	*	540	1260	0.988			
PCB-52	*	*	n	NotFnd	0.91	*	540	1260	0.842	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	0.91	*	540	1260	0.842	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.23	*	540	1260	0.627			
PCB-43	*	*	n	NotFnd	0.82	*	540	1260	0.934	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	0.82	*	540	1260	0.934	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	0.90	*	540	1260	0.852			
PCB-48	*	*	n	NotFnd	1.05	*	540	1260	0.730	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.05	*	540	1260	0.730	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	540	1260	0.707			
PCB-62	*	*	n	NotFnd	1.12	*	540	1260	0.686			
PCB-44	*	*	n	NotFnd	0.73	*	540	1260	1.05			
PCB-42	*	*	n	NotFnd	0.96	*	540	1260	0.800	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	0.96	*	540	1260	0.800	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.05	*	540	1260	0.733	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.05	*	540	1260	0.733	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.05	*	540	1260	0.733	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.05	*	540	1260	0.733	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.28	*	540	1260	0.600			
PCB-40	*	*	n	NotFnd	0.69	*	540	1260	1.12			
PCB-57	*	*	n	NotFnd	1.13	*	540	1260	0.680			
PCB-67	*	*	n	NotFnd	1.17	*	540	1260	0.658			
PCB-58	*	*	n	NotFnd	1.13	*	540	1260	0.681			
PCB-63	*	*	n	NotFnd	1.13	*	540	1260	0.678			
PCB-74	*	*	n	NotFnd	1.15	*	540	1260	0.665			
PCB-61	*	*	n	NotFnd	1.06	*	540	1260	0.725	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.06	*	540	1260	0.725	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.21	*	540	1260	0.637	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.21	*	540	1260	0.637	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	540	1260	0.561			
PCB-55	*	*	n	NotFnd	1.19	*	540	1260	0.645			
13C-PCB-54	2.22e+07	0.80	y	25:39	1.24	1070				107	2.58e+06	3.27e+06
PCB-104	*	*	n	NotFnd	1.14	*	424	472	0.431			
PCB-96	*	*	n	NotFnd	1.10	*	424	472	0.448			
PCB-103	*	*	n	NotFnd	0.90	*	424	472	0.546			
PCB-100	*	*	n	NotFnd	0.91	*	424	472	0.542			
PCB-94	*	*	n	NotFnd	0.76	*	424	472	0.648			
PCB-98	*	*	n	NotFnd	0.78	*	424	472	0.629	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	424	472	0.629	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.84	*	424	472	0.585			
PCB-93	*	*	n	NotFnd	0.78	*	424	472	0.628			
PCB-88	*	*	n	NotFnd	0.89	*	424	472	0.553	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.89	*	424	472	0.553	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	424	472	0.502			
13C-PCB-104	1.69e+07	1.57	y	30:06	0.98	1040				104	2.76e+06	1.78e+06
13C-PCB-28	2.81e+07	1.07	y	26:43	1.74	974				97.4	4.05e+06	3.78e+06
13C-PCB-52	1.66e+07	0.79	y	29:00	-	4.27						

PCB-56	*	*	n	NotFnd	1.23	*		596	1060	0.732			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.23	*		596	1060	0.732			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		596	1060	0.716			
PCB-78	*	*	n	NotFnd	1.23	*		596	1060	0.731			
PCB-81	*	*	n	NotFnd	1.25	*		596	1060	0.706			
13C-PCB-81	1.86e+07	0.81	y	36:10	1.33	993					99.3	2.07e+06	2.60e+06
PCB-77	*	*	n	NotFnd	1.11	*		596	1060	0.819			
13C-PCB-77	1.87e+07	0.79	y	36:44	1.39	958					95.8	2.01e+06	2.53e+06
PCB-155	*	*	n	NotFnd	1.10	*		700	392	0.537			
PCB-150	*	*	n	NotFnd	1.04	*		700	392	0.570			
PCB-152	*	*	n	NotFnd	1.01	*		700	392	0.587			
PCB-145	*	*	n	NotFnd	1.02	*		700	392	0.578			
PCB-136	*	*	n	NotFnd	0.99	*		700	392	0.594			
PCB-148	*	*	n	NotFnd	0.78	*		700	392	0.758			
PCB-154	*	*	n	NotFnd	0.88	*		700	392	0.670			
13C-PCB-155	1.82e+07	1.28	y	34:16	1.18	1090					109	2.60e+06	2.03e+06
13C-PCB-111	1.65e+07	1.60	y	36:20	1.26	931					93.1	2.55e+06	1.58e+06
13C-PCB-101	1.40e+07	1.61	y	34:41	-	3.99							
PCB-84	*	*	n	NotFnd	0.78	*		616	708	0.982			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.78	*		616	708	0.982			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.77	*		616	708	0.997			
PCB-90	*	*	n	NotFnd	0.85	*		616	708	0.899			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.85	*		616	708	0.899			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.96	*		616	708	0.796			
PCB-99	*	*	n	NotFnd	0.94	*		616	708	0.816			
PCB-119	*	*	n	NotFnd	1.06	*		616	708	0.722			
PCB-83	*	*	n	NotFnd	0.88	*		616	708	0.874			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.88	*		616	708	0.874			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.04	*		616	708	0.738			
PCB-97	*	*	n	NotFnd	0.73	*		616	708	1.05			
PCB-86	*	*	n	NotFnd	0.76	*		616	708	1.01			
PCB-125	*	*	n	NotFnd	0.94	*		616	708	0.812			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.94	*		616	708	0.812			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.94	*		616	708	0.812			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	1.06	*		616	708	0.720			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	1.06	*		616	708	0.720			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.96	*		616	708	0.798			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.96	*		616	708	0.798			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.14	*		616	708	0.673			
PCB-110	*	*	n	NotFnd	1.09	*		616	708	0.706			
PCB-82	*	*	n	NotFnd	0.66	*		616	708	1.17			
PCB-124	*	*	n	NotFnd	1.19	*		548	588	0.553			
PCB-108	*	*	n	NotFnd	1.14	*		548	588	0.577			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.14	*		548	588	0.577			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.09	*		548	588	0.616			
13C-PCB-123	1.79e+07	1.56	y	38:23	1.22	1070					107	2.63e+06	1.63e+06
PCB-118	*	*	n	NotFnd	1.13	*		548	588	0.542			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.13	*		548	588	0.542			Co-elute PCB 118
13C-PCB-118	1.85e+07	1.55	y	38:33	1.30	1040					104	2.84e+06	1.81e+06
PCB-114	*	*	n	NotFnd	1.21	*		548	588	0.568			
13C-PCB-114	1.84e+07	1.60	y	39:10	1.29	1040					104	2.58e+06	1.56e+06
PCB-122	*	*	n	NotFnd	1.13	*		548	588	0.581			
PCB-105	*	*	n	NotFnd	1.18	*		548	588	0.561			
13C-PCB-105	1.77e+07	1.56	y	39:58	1.27	1020					102	2.61e+06	1.68e+06

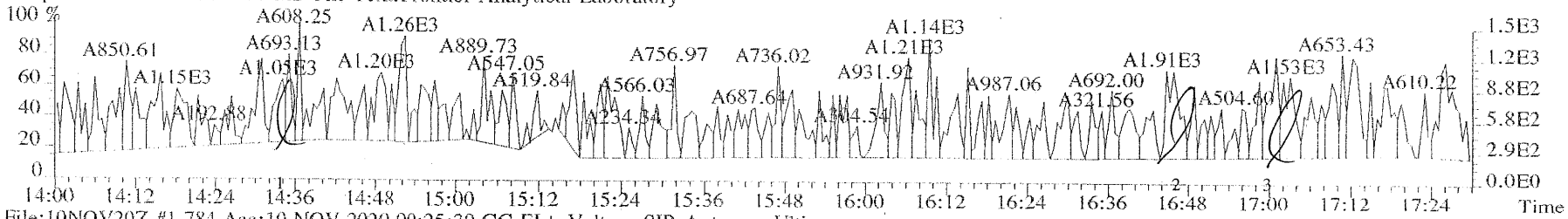
PCB-127	*	*	n	NotFnd	1.10	*	548	588	0.600				
PCB-126	*	*	n	NotFnd	1.15	*	548	588	0.604				
13C-PCB-126	1.66e+07	1.56	y	42:05	1.16	1040				104	2.49e+06	1.61e+06	
PCB-151	*	*	n	NotFnd	0.93	*	868	600	0.988				
PCB-135	*	*	n	NotFnd	0.95	*	868	600	0.965				
PCB-144	*	*	n	NotFnd	0.96	*	868	600	0.961				
PCB-147	*	*	n	NotFnd	1.01	*	868	600	0.916				
PCB-139	*	*	n	NotFnd	1.01	*	868	600	0.910			Co-elute PCB 149	
PCB-149	*	*	n	NotFnd	1.01	*	868	600	0.910			Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	1.04	*	868	600	0.885				
PCB-143	*	*	n	NotFnd	0.87	*	868	600	1.06			Co-elute PCB 134	
PCB-134	*	*	n	NotFnd	0.87	*	868	600	1.06			Co-elute PCB 143	
PCB-131	*	*	n	NotFnd	0.88	*	868	600	1.05			Co-elute PCB 133	
PCB-133	*	*	n	NotFnd	0.88	*	868	600	1.05			Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.89	*	868	600	1.04				
PCB-165	*	*	n	NotFnd	1.14	*	868	600	0.806			Co-elute PCB 146	
PCB-146	*	*	n	NotFnd	1.14	*	868	600	0.806			Co-elute PCB 165	
PCB-161	*	*	n	NotFnd	1.11	*	868	600	0.832			Co-elute PCB 132	
PCB-132	*	*	n	NotFnd	1.11	*	868	600	0.832			Co-elute PCB 161	
PCB-153	*	*	n	NotFnd	1.12	*	868	600	0.821				
PCB-168	*	*	n	NotFnd	1.25	*	868	600	0.736				
PCB-141	*	*	n	NotFnd	0.97	*	868	600	0.948				
PCB-137	*	*	n	NotFnd	1.02	*	868	600	0.906				
PCB-130	*	*	n	NotFnd	0.82	*	868	600	1.13				
PCB-138	*	*	n	NotFnd	1.14	*	868	600	0.807			Co-elute PCB 163/164	
PCB-163	*	*	n	NotFnd	1.14	*	868	600	0.807			Co-elute PCB 138/164	
PCB-164	*	*	n	NotFnd	1.14	*	868	600	0.807			Co-elute PCB 138/163	
PCB-158	*	*	n	NotFnd	1.26	*	868	600	0.731			Co-elute PCB 160	
PCB-160	*	*	n	NotFnd	1.26	*	868	600	0.731			Co-elute PCB 158	
PCB-129	*	*	n	NotFnd	0.83	*	868	600	1.11				
PCB-166	*	*	n	NotFnd	1.22	*	868	600	0.754				
PCB-159	*	*	n	NotFnd	1.28	*	868	600	0.720				
PCB-128	*	*	n	NotFnd	1.08	*	868	600	0.856			Co-elute PCB 162	
PCB-162	*	*	n	NotFnd	1.08	*	868	600	0.856			Co-elute PCB 128	
PCB-167	*	*	n	NotFnd	1.19	*	868	600	0.788				
13C-PCB-167	1.67e+07	1.29	y	43:27	1.13	1080				108	2.20e+06	1.72e+06	
PCB-156	*	*	n	NotFnd	1.21	*	868	600	0.773				
13C-PCB-156	1.58e+07	1.30	y	44:41	1.09	1060				106	2.18e+06	1.73e+06	
PCB-157	*	*	n	NotFnd	1.19	*	868	600	0.828				
13C-PCB-157	1.60e+07	1.31	y	44:56	1.09	1070				107	2.08e+06	1.63e+06	
PCB-169	*	*	n	NotFnd	1.12	*	868	600	0.733				
13C-PCB-169	1.54e+07	1.27	y	46:48	1.04	1080				108	2.52e+06	1.96e+06	

FAL ID: 05512-001-0001-MB Filename: 10NOV20Z Sam:3 Acquired: 10-NOV-20 09:25:30 ICal: DAILY209FAL4-11-10-20
Client ID: Method Blank ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.00

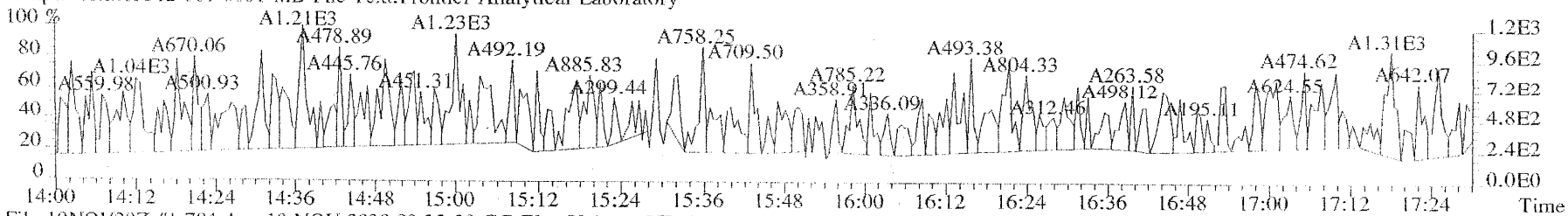
PCB-188	*	*	n	NotFnd	1.09	*	510	460	0.591				
13C-PCB-188	1.60e+07	1.08	y	39:45	1.06	1100				110	1.95e+06	1.80e+06	
PCB-184	*	*	n	NotFnd	1.27	*	510	460	0.495				
PCB-179	*	*	n	NotFnd	1.20	*	510	460	0.527				
PCB-176	*	*	n	NotFnd	1.15	*	510	460	0.547				
PCB-186	*	*	n	NotFnd	1.18	*	510	460	0.536				
PCB-178	*	*	n	NotFnd	0.84	*	510	460	0.748				
PCB-175	*	*	n	NotFnd	0.88	*	510	460	0.712				
PCB-187	*	*	n	NotFnd	0.93	*	510	460	0.677		Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	0.93	*	510	460	0.677		Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	0.94	*	510	460	0.670				
PCB-185	*	*	n	NotFnd	0.87	*	510	460	0.727				
PCB-174	*	*	n	NotFnd	0.79	*	510	460	0.794				
PCB-181	*	*	n	NotFnd	0.93	*	510	460	0.676				
PCB-177	*	*	n	NotFnd	0.82	*	510	460	0.771				
PCB-171	*	*	n	NotFnd	0.87	*	510	460	0.722				
PCB-173	*	*	n	NotFnd	0.76	*	510	460	0.826				
PCB-172	*	*	n	NotFnd	0.80	*	510	460	0.790				
PCB-192	*	*	n	NotFnd	1.06	*	510	460	0.594				
PCB-180	*	*	n	NotFnd	0.82	*	510	460	0.767				
PCB-193	*	*	n	NotFnd	1.13	*	510	460	0.556				
PCB-191	*	*	n	NotFnd	1.14	*	510	460	0.555				
PCB-170	*	*	n	NotFnd	0.78	*	510	460	0.805				
PCB-190	*	*	n	NotFnd	1.05	*	510	460	0.599				
PCB-189	*	*	n	NotFnd	1.09	*	510	460	0.562				
13C-PCB-189	1.33e+07	1.06	y	48:27	0.89	1090				109	2.03e+06	1.94e+06	
PCB-202	*	*	n	NotFnd	1.11	*	468	489	0.847				
PCB-201	*	*	n	NotFnd	1.20	*	468	489	0.785				
PCB-204	*	*	n	NotFnd	1.20	*	468	489	0.788				
PCB-197	*	*	n	NotFnd	1.27	*	468	489	0.742				
PCB-200	*	*	n	NotFnd	1.24	*	468	489	0.761				
PCB-198	*	*	n	NotFnd	0.90	*	468	489	1.04				
PCB-199	*	*	n	NotFnd	0.84	*	468	489	1.12				
PCB-203	*	*	n	NotFnd	0.96	*	468	489	0.980		Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	0.96	*	468	489	0.980		Co-elute PCB 203		
13C-PCB-202	1.11e+07	0.93	y	44:53	0.75	1070				107	1.25e+06	1.29e+06	
13C-PCB-178	1.08e+07	1.08	y	42:23	0.80	983				98.3	1.25e+06	1.19e+06	
13C-PCB-138	1.37e+07	1.29	y	41:37	-	3.79							
PCB-195	*	*	n	NotFnd	0.88	*	632	1020	0.847				
PCB-194	*	*	n	NotFnd	0.87	*	632	1020	0.865				
PCB-205	*	*	n	NotFnd	1.08	*	632	1020	0.691				
13C-PCB-205	1.53e+07	0.88	y	50:06	1.26	988				98.8	2.57e+06	2.94e+06	
PCB-208	*	*	n	NotFnd	1.08	*	316	524	0.329				
13C-PCB-208	1.53e+07	0.82	y	49:11	1.27	979				97.9	2.62e+06	3.27e+06	
PCB-207	*	*	n	NotFnd	1.25	*	316	524	0.340				
PCB-206	*	*	n	NotFnd	1.11	*	316	524	0.471				
13C-PCB-206	1.11e+07	0.80	y	51:18	0.87	1050				105	1.80e+06	2.21e+06	
PCB-209	*	*	n	NotFnd	1.19	*	484	300	0.358				
13C-PCB-209	1.31e+07	1.19	y	52:28	1.01	1060				106	2.47e+06	2.11e+06	
13C-PCB-194	1.23e+07	0.92	y	49:50	-	4.24							

Analyst: _____ Date: 11/10/20

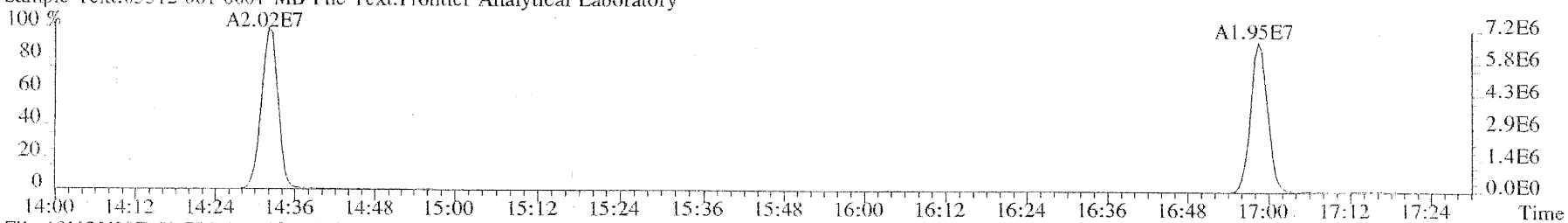
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



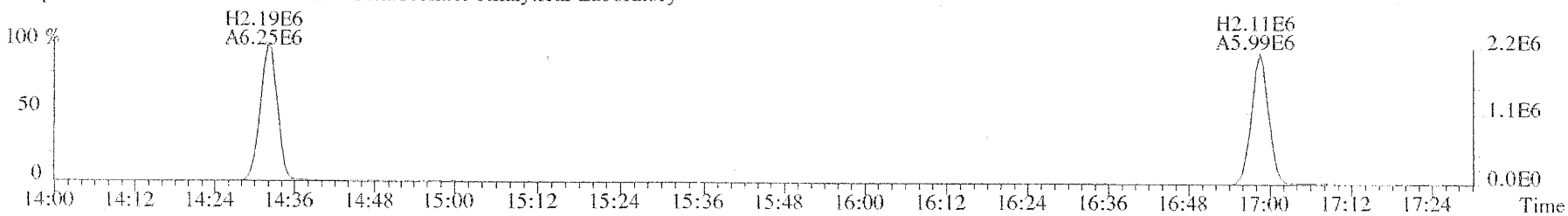
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



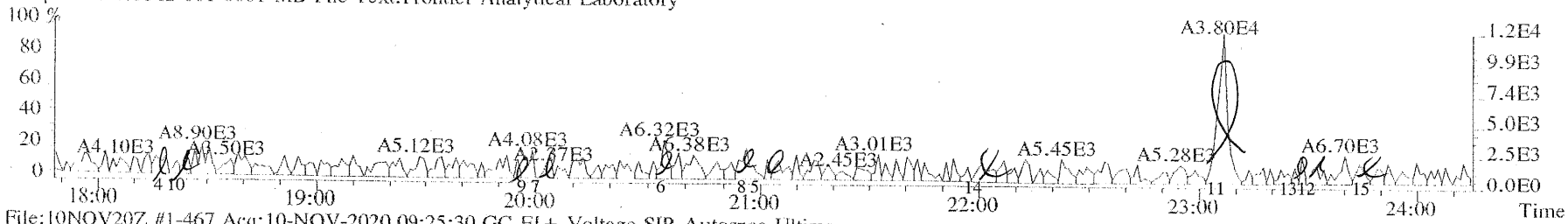
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



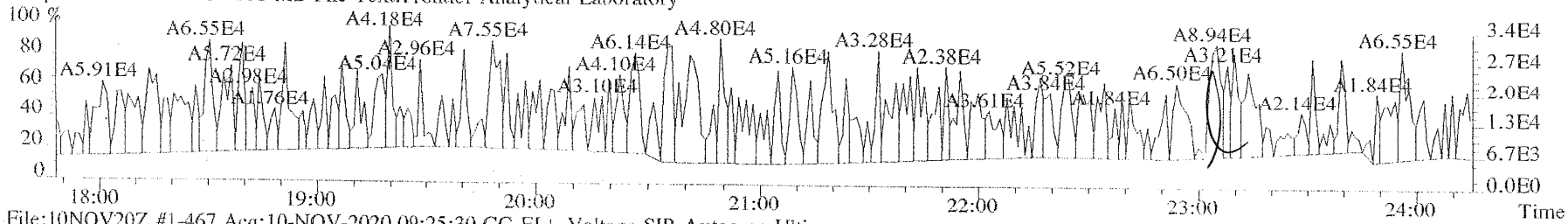
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



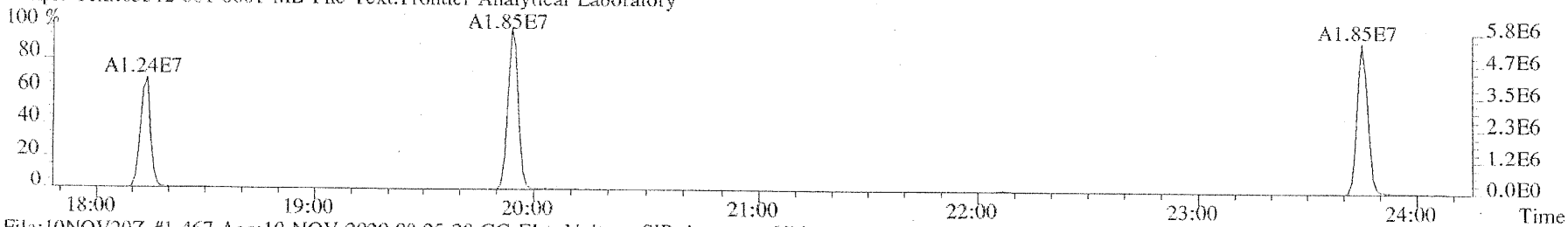
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



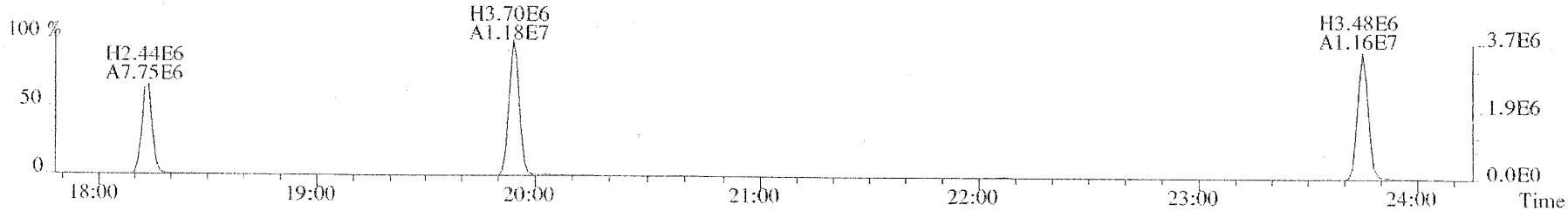
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



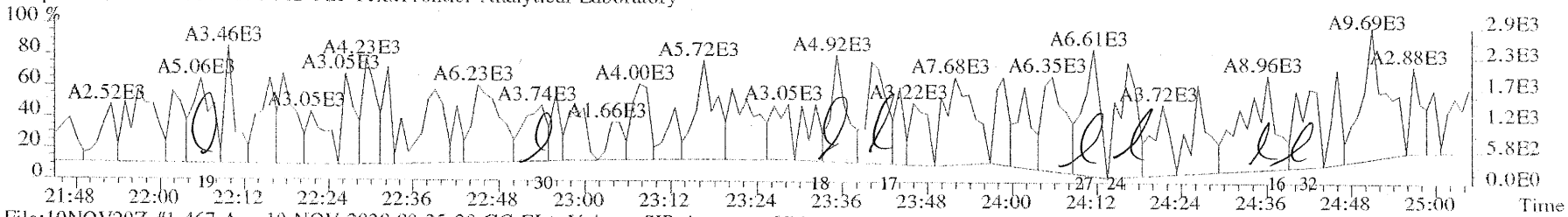
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



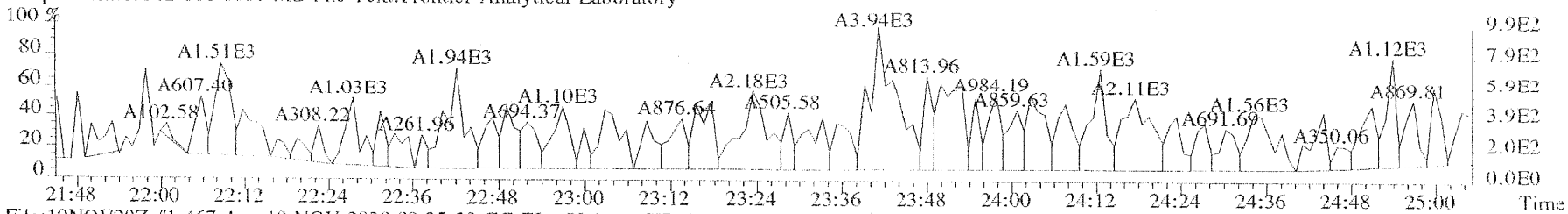
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



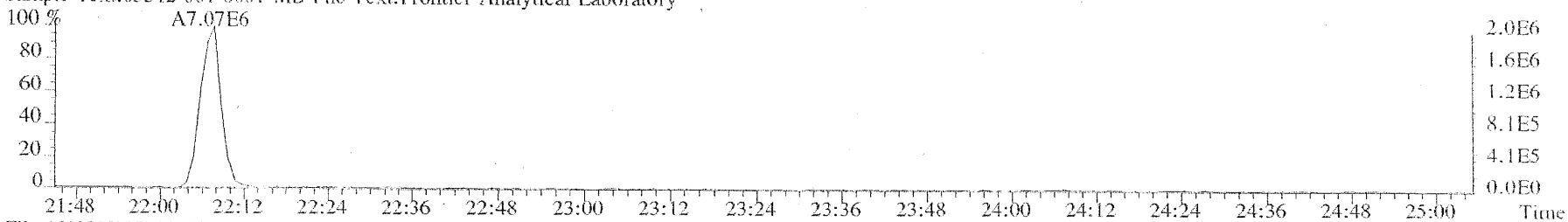
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



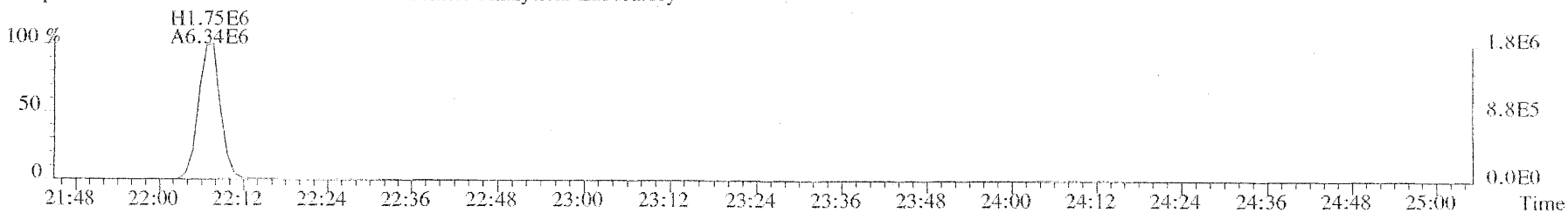
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



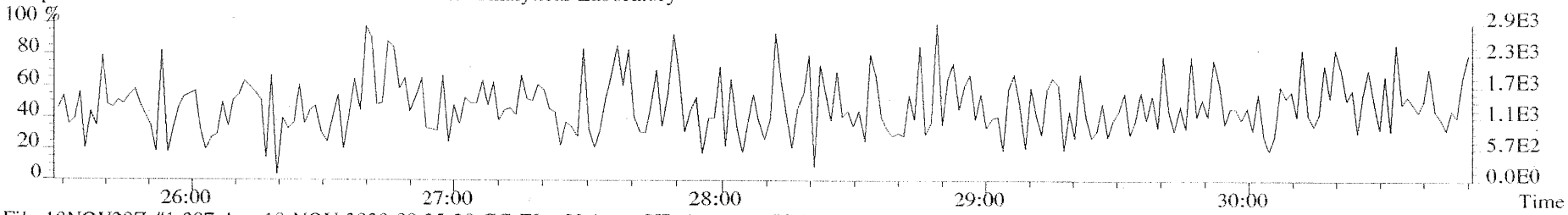
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



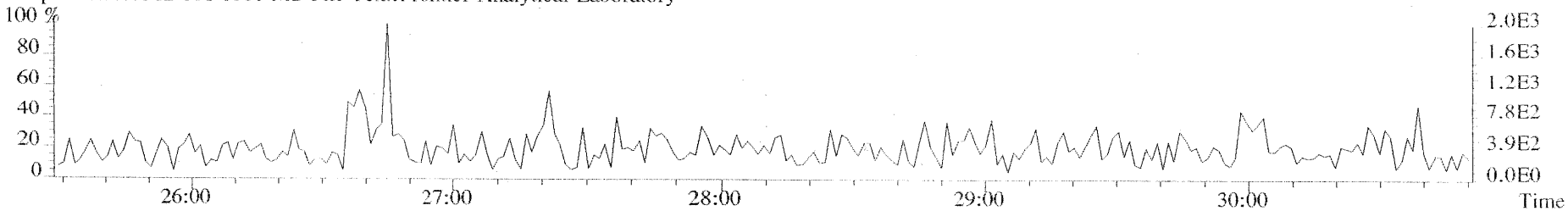
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



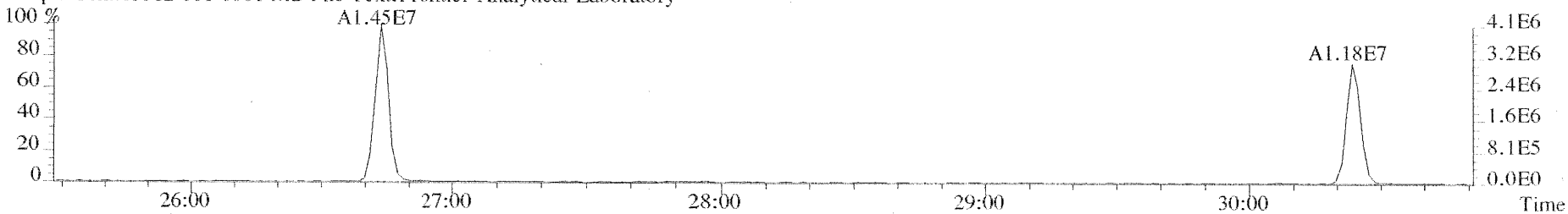
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



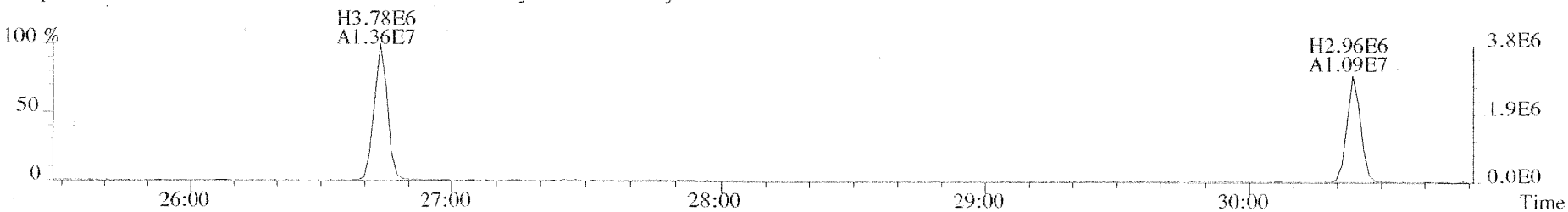
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



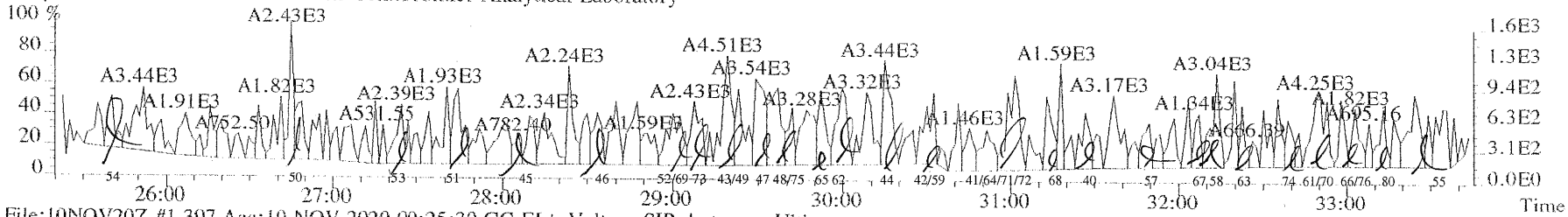
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



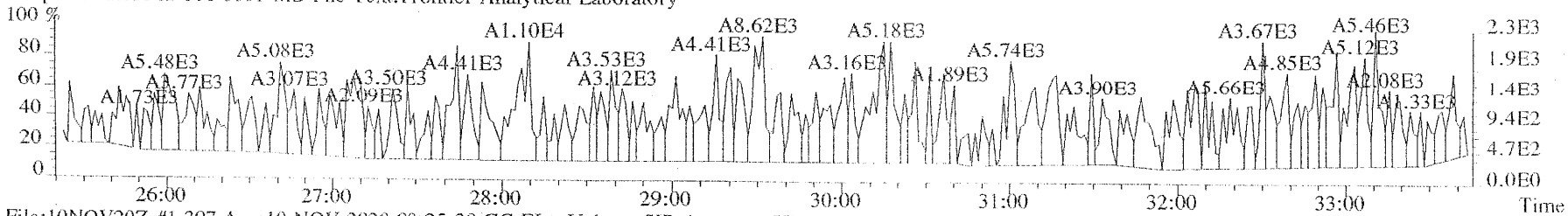
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



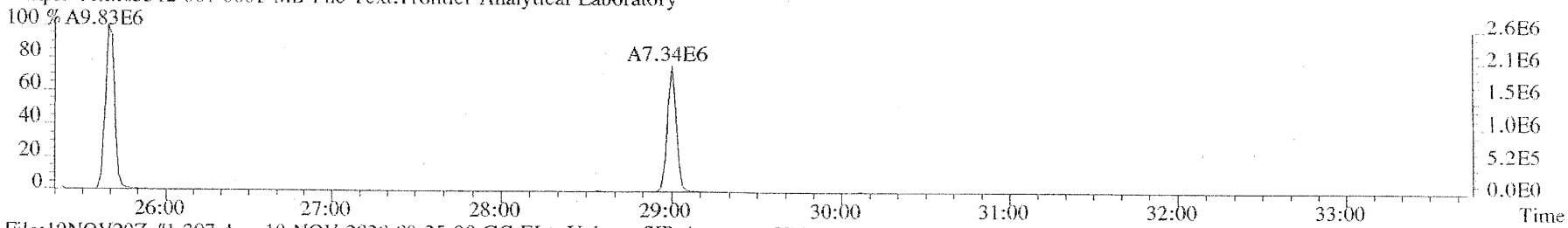
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



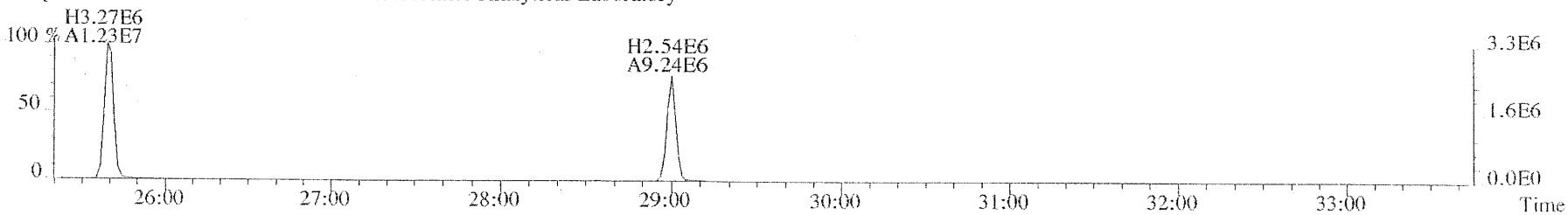
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



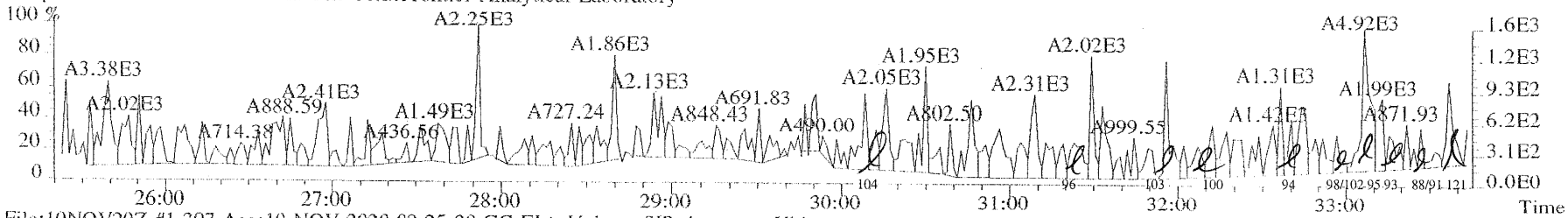
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



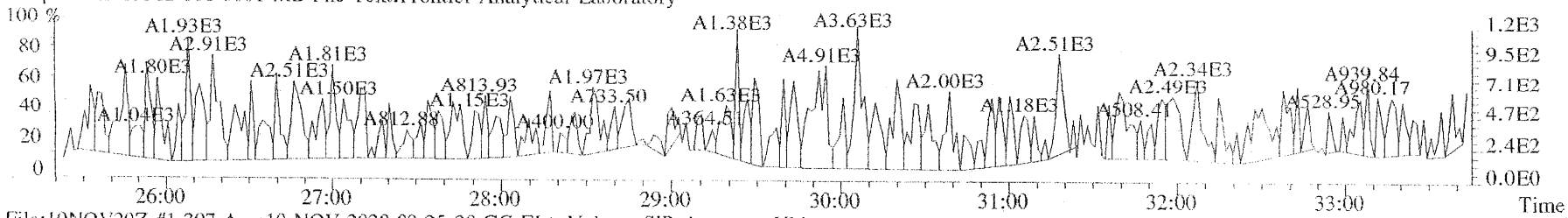
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



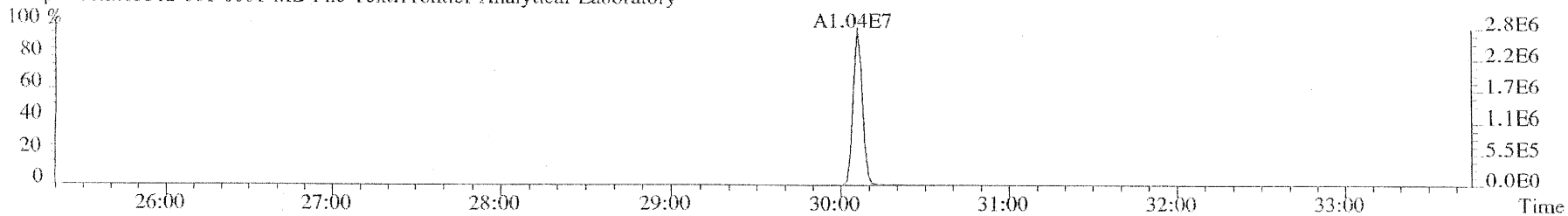
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



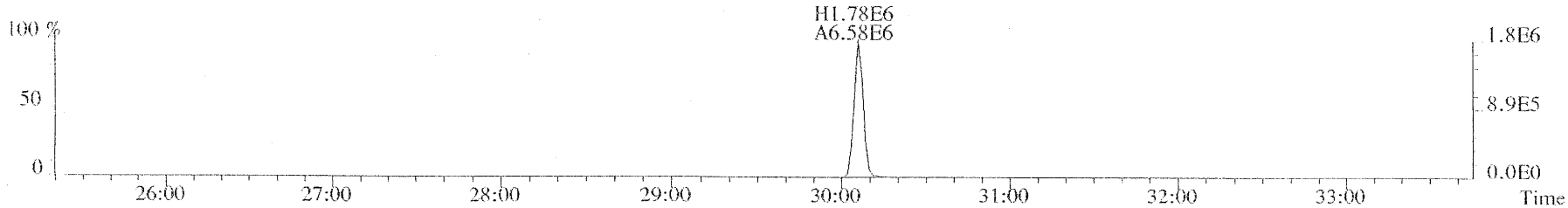
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



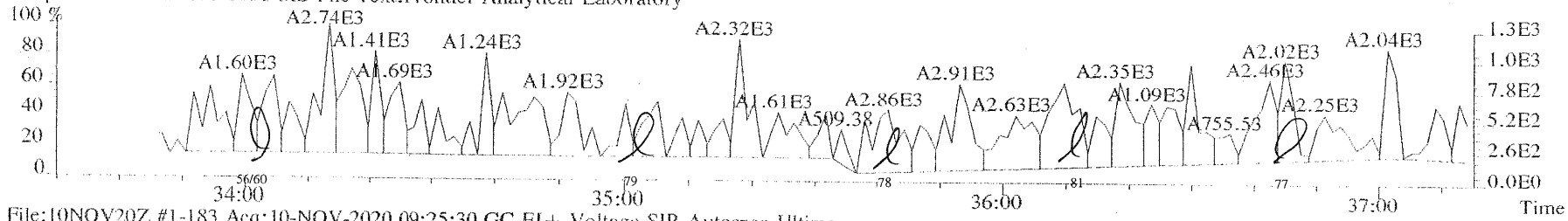
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



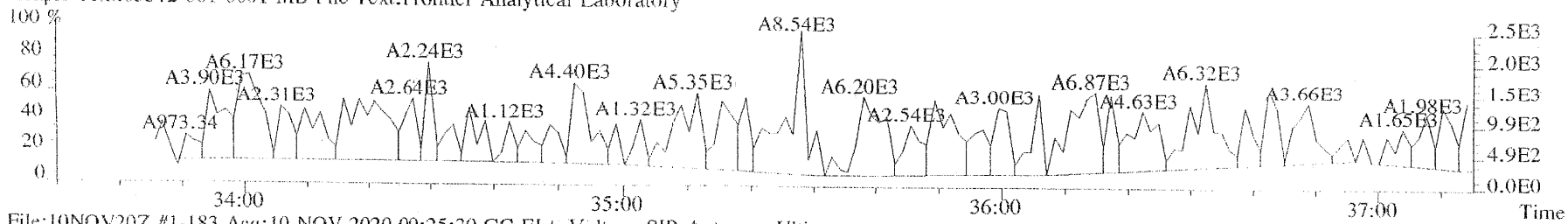
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



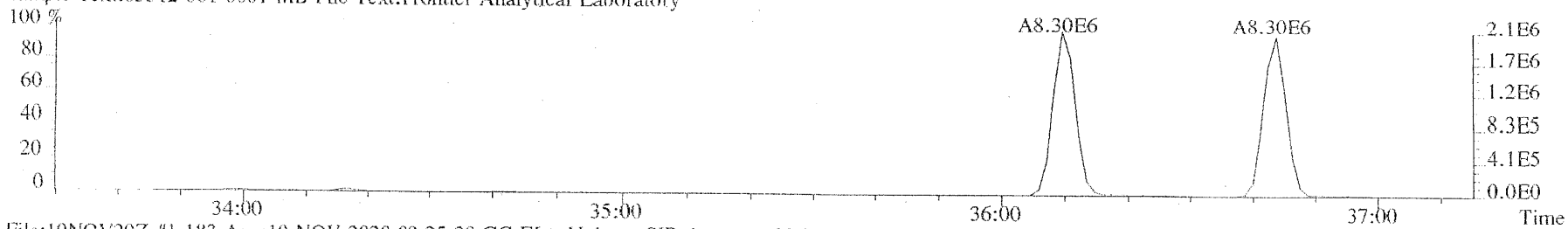
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



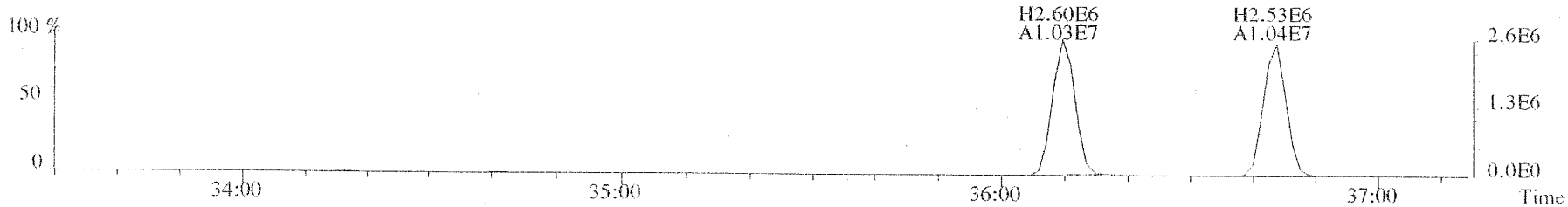
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



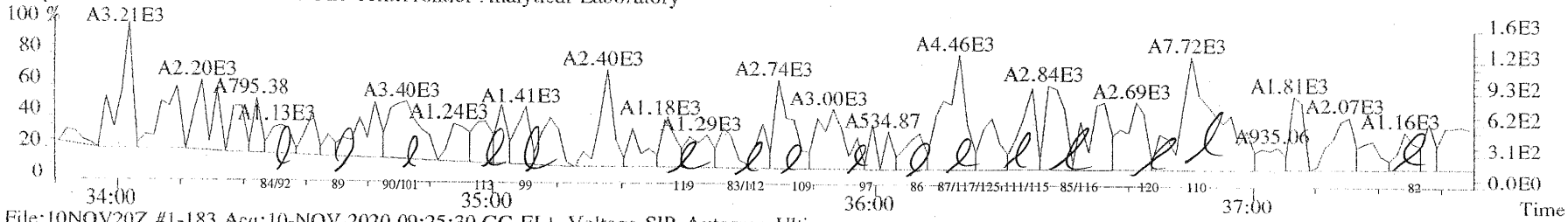
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



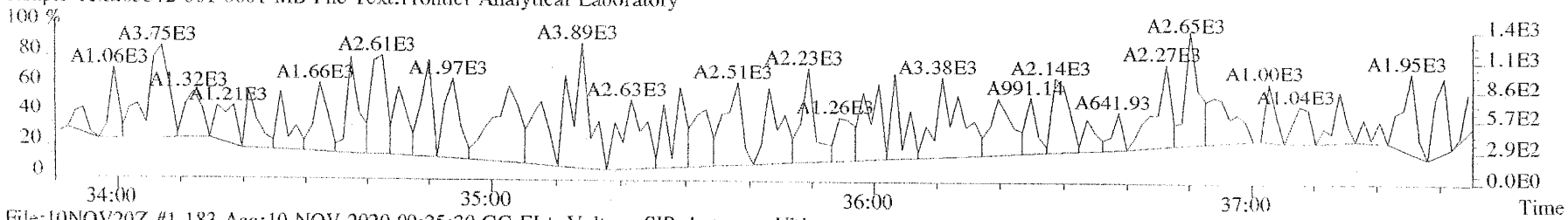
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



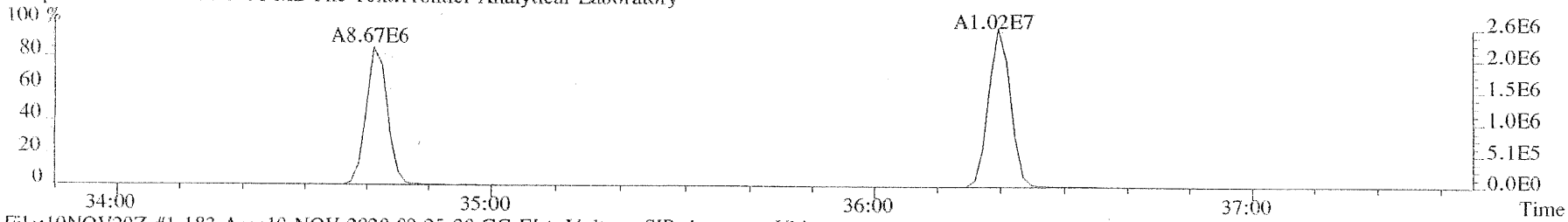
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



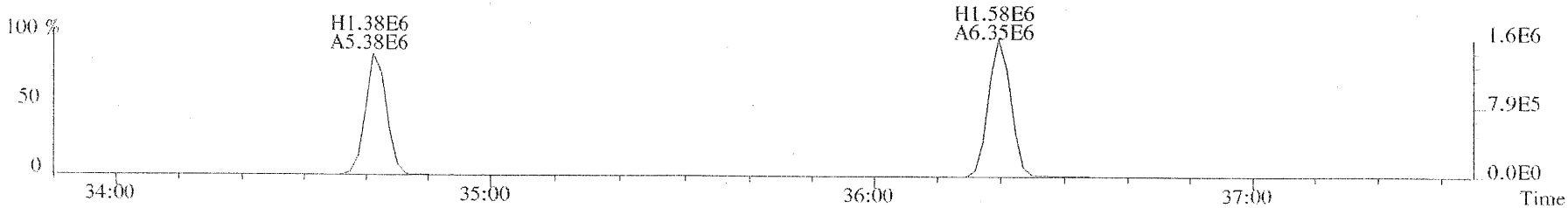
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



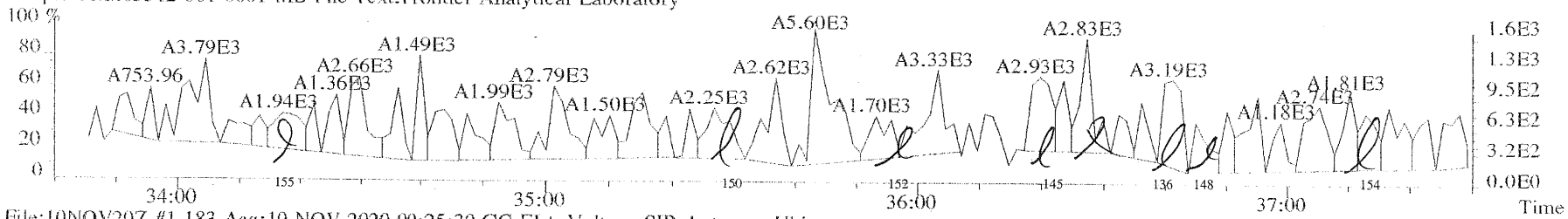
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



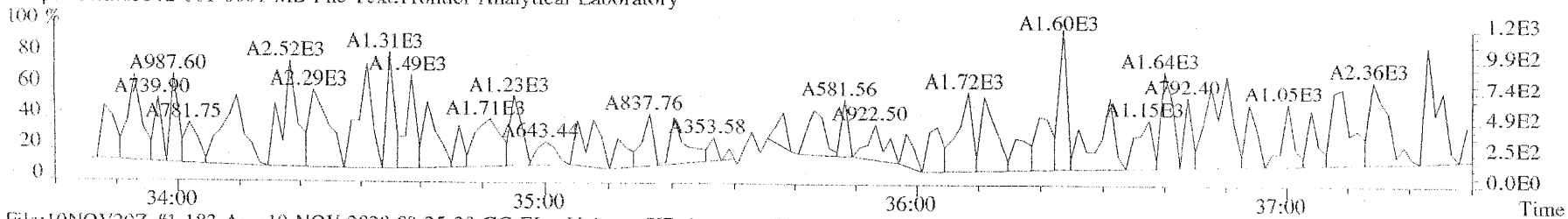
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



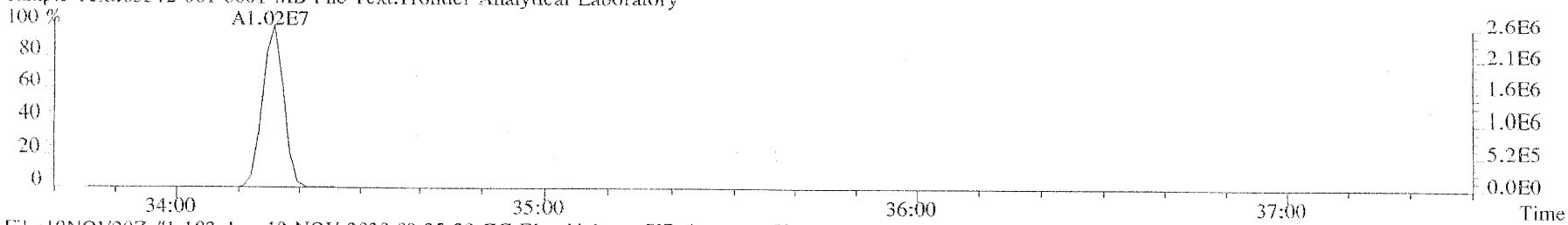
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



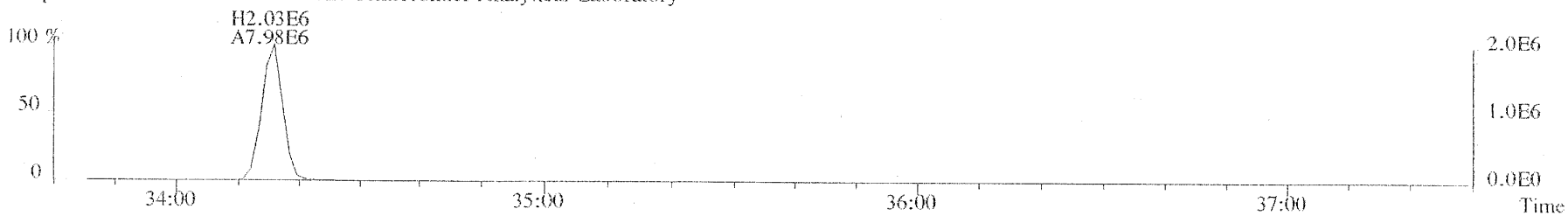
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



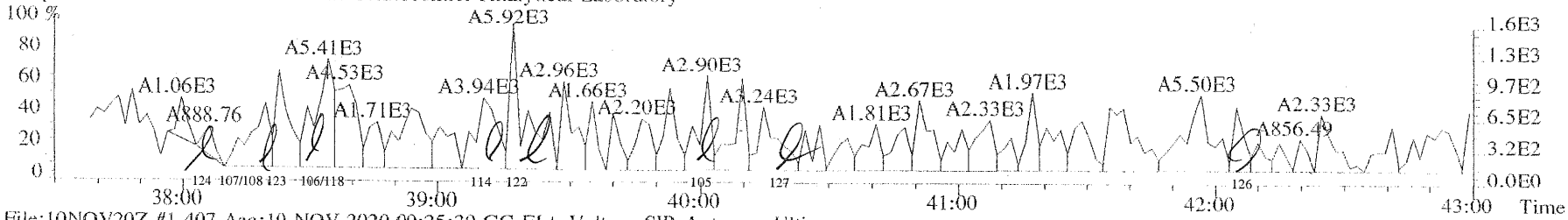
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



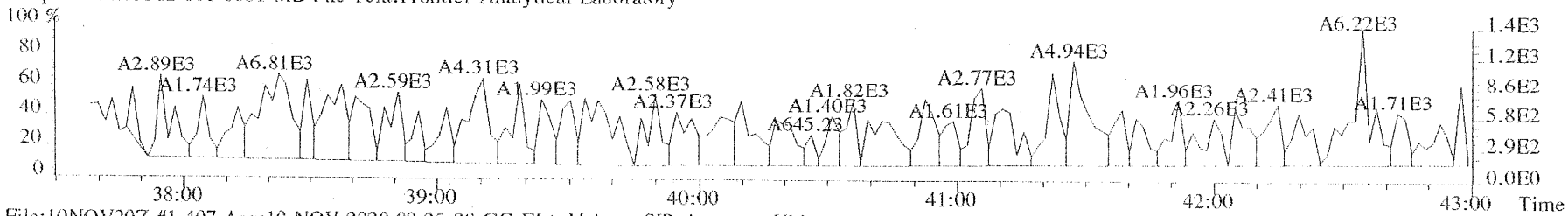
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



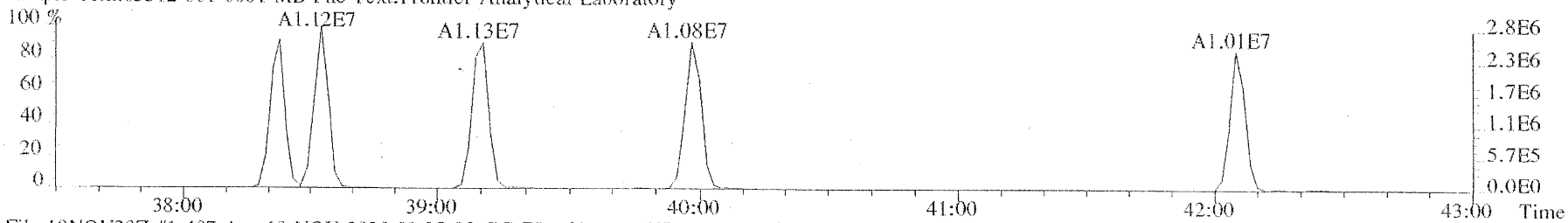
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



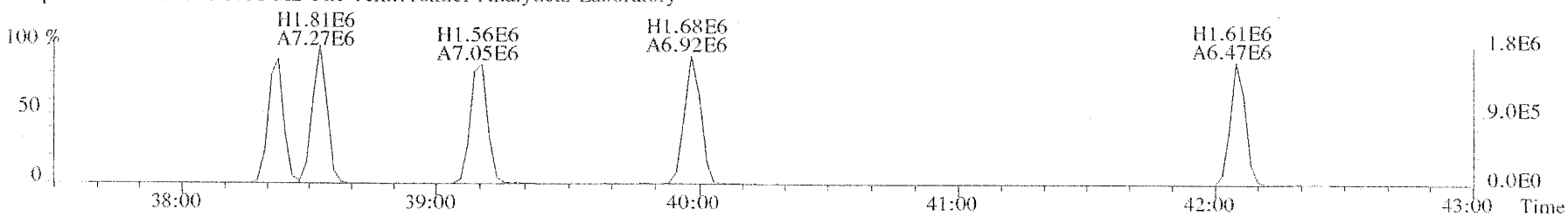
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



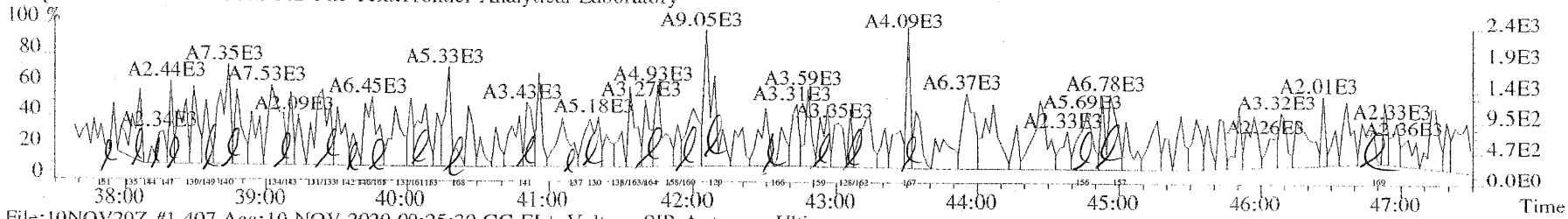
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



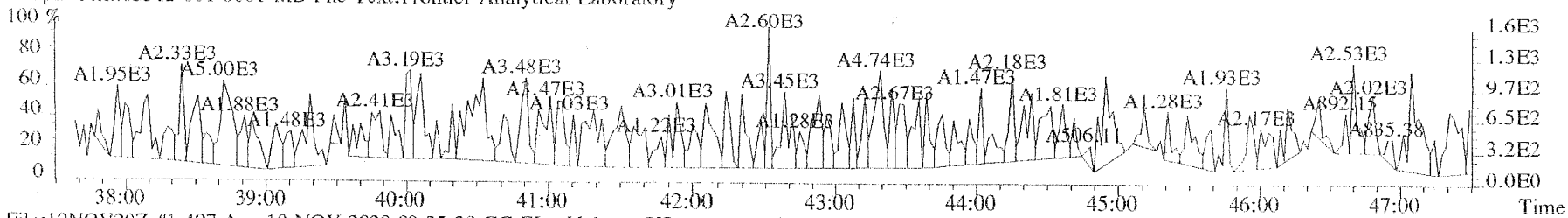
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



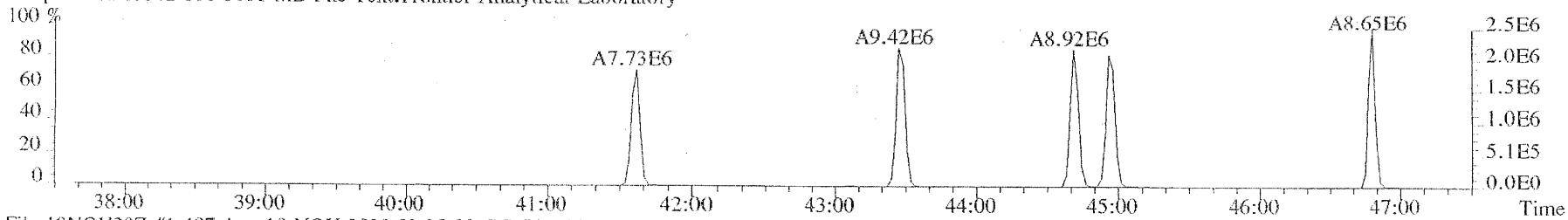
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



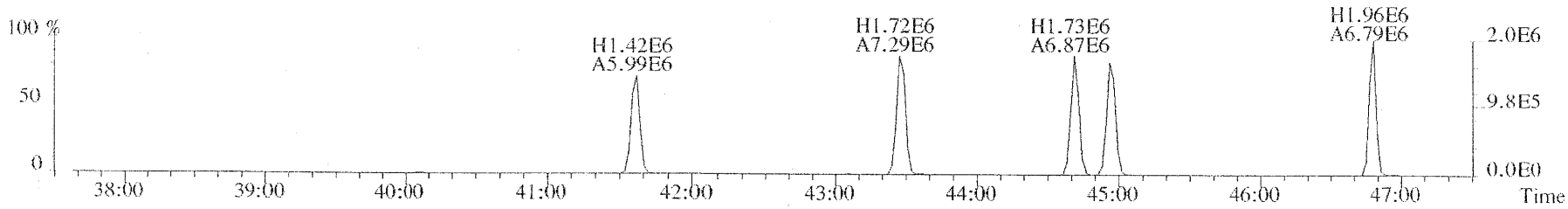
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



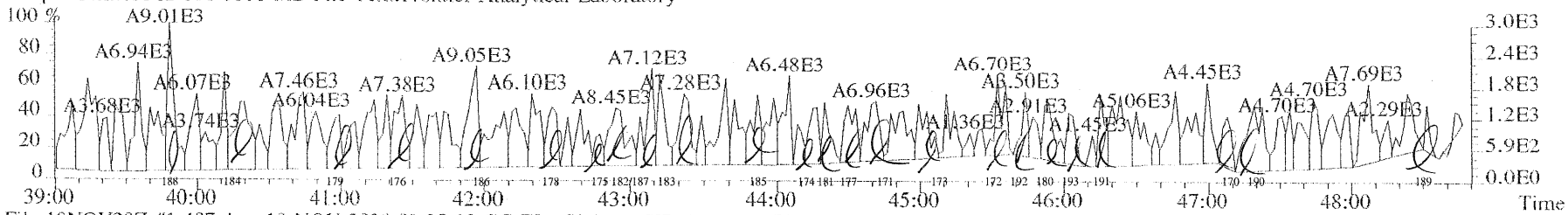
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



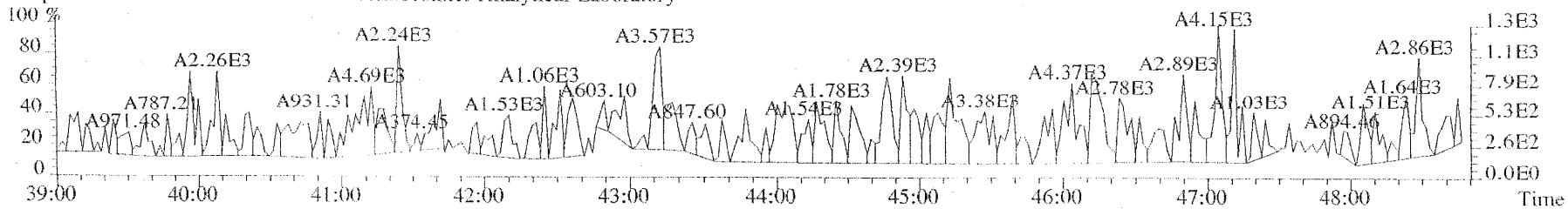
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



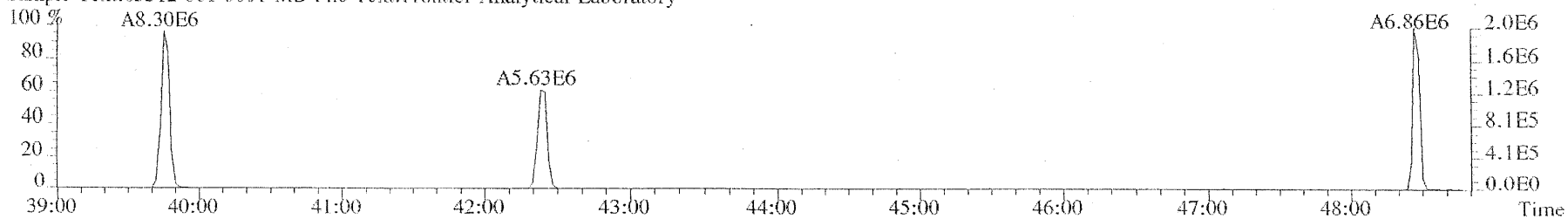
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



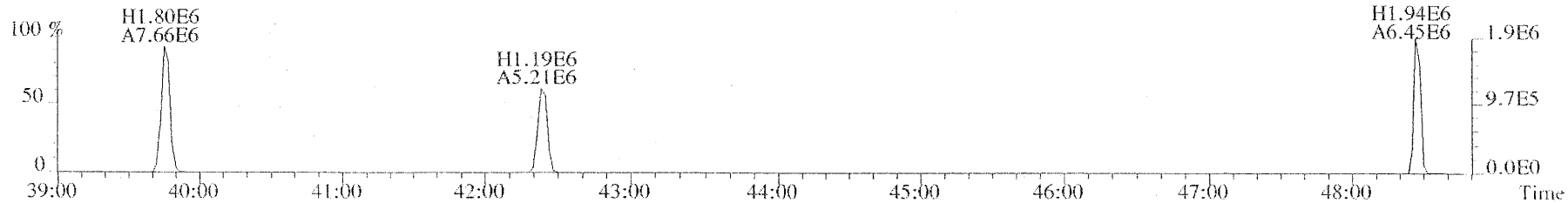
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



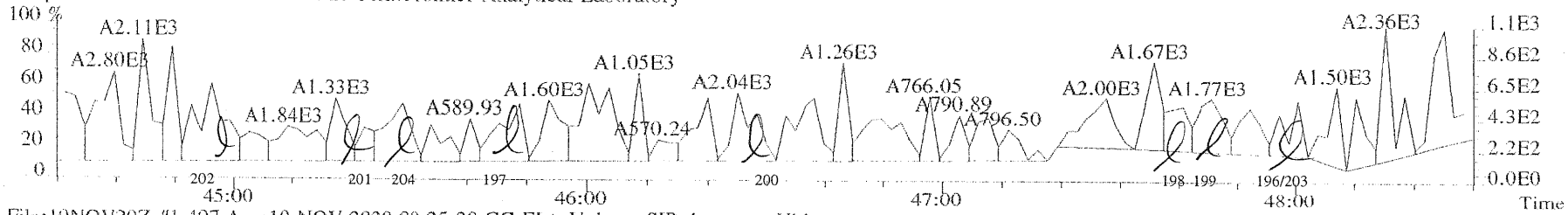
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



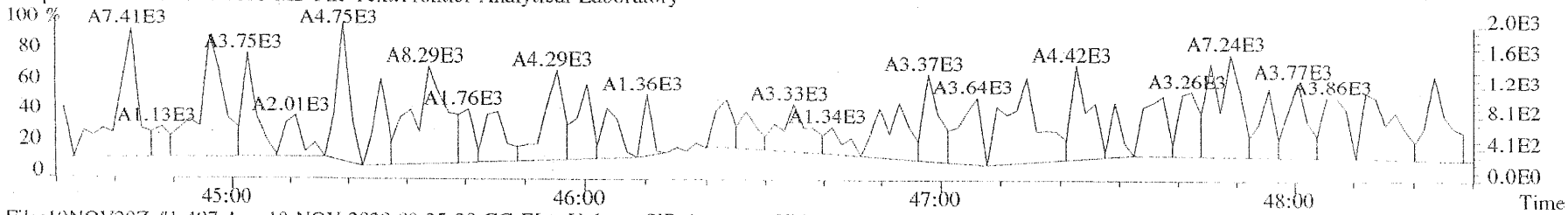
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



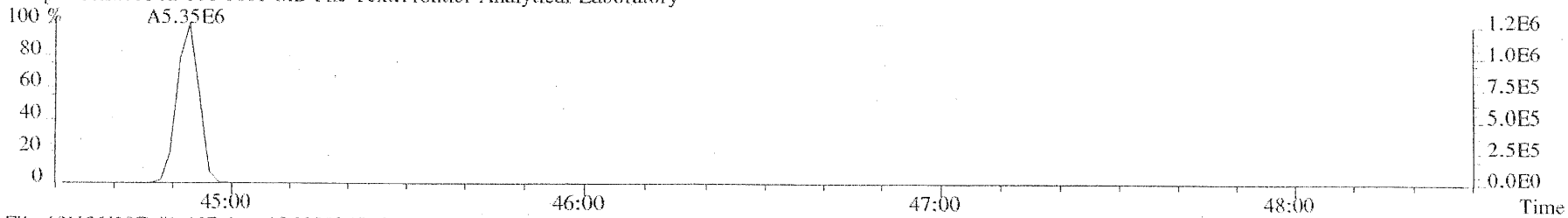
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



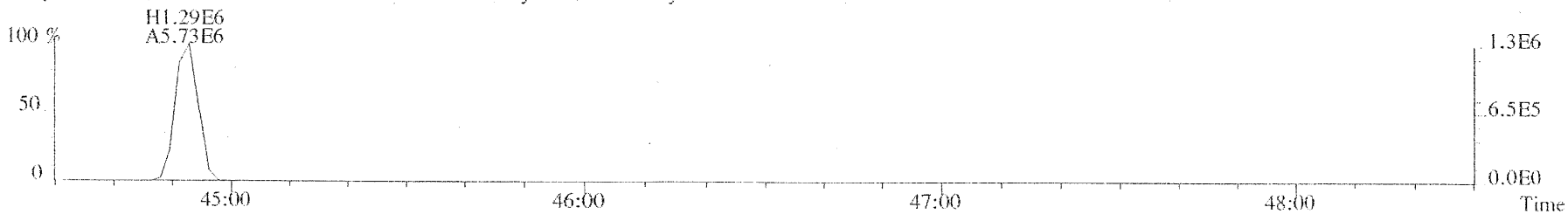
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



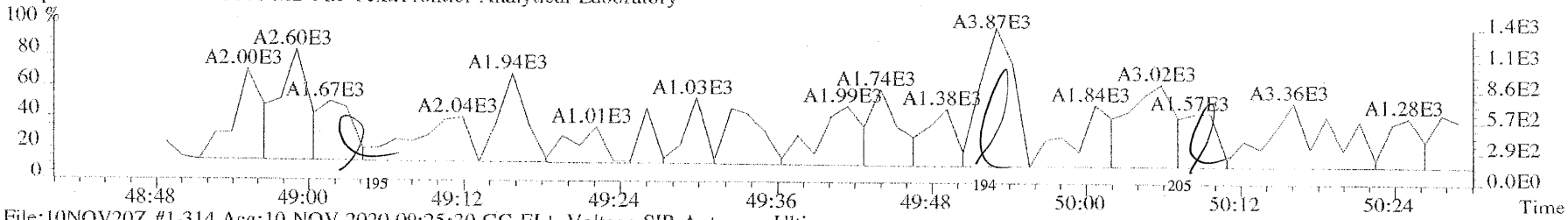
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



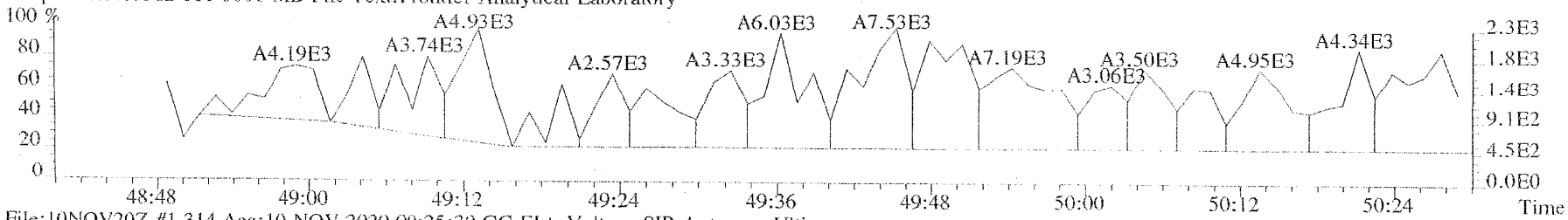
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



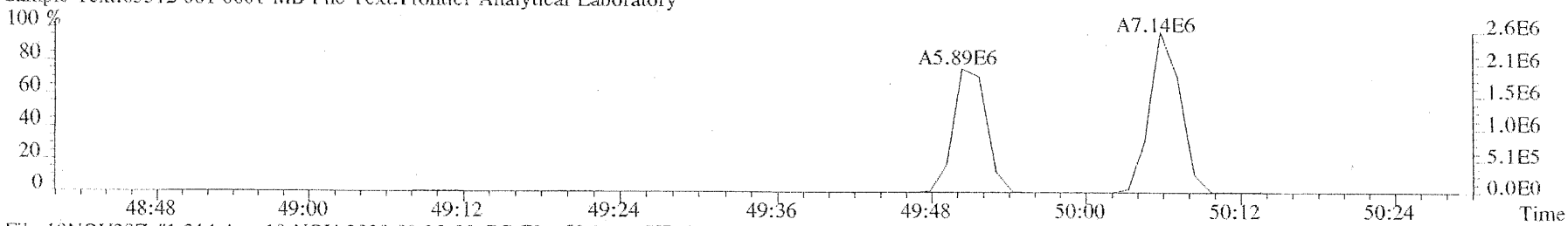
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



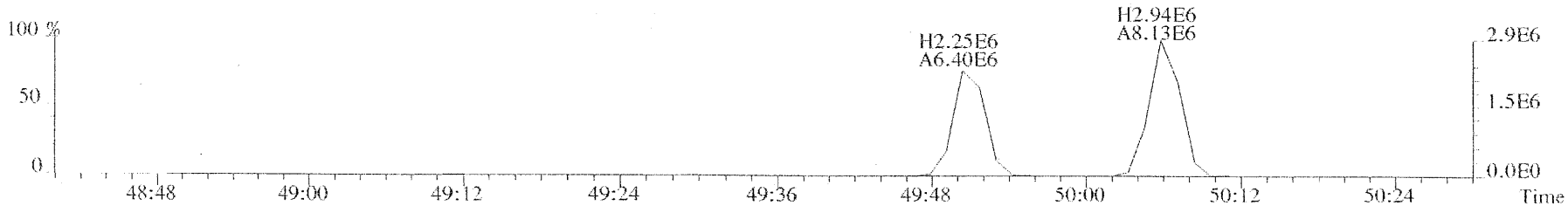
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



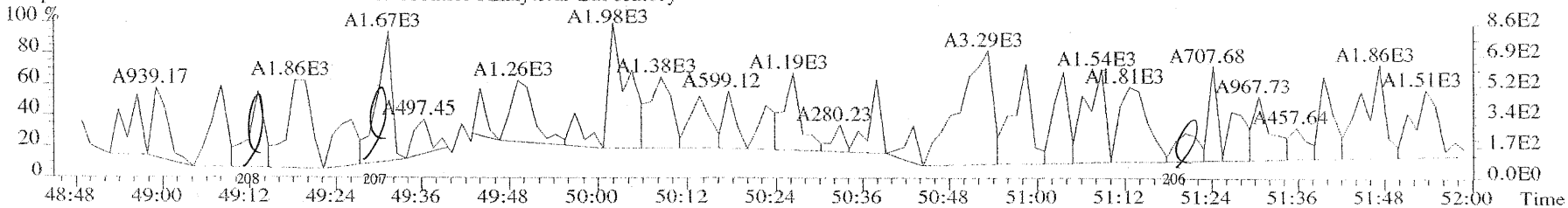
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



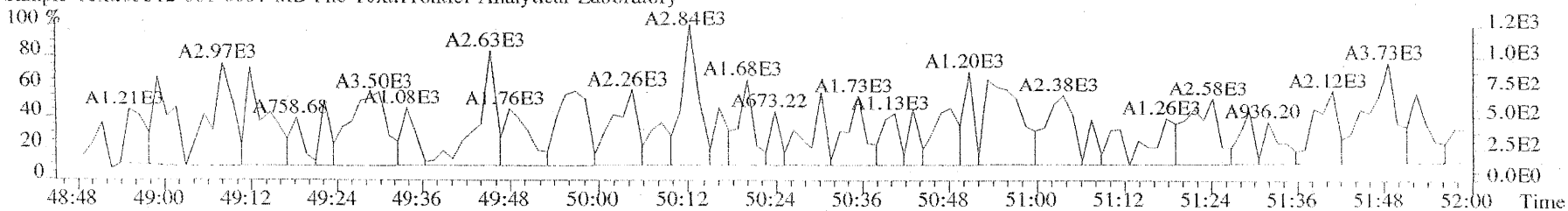
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



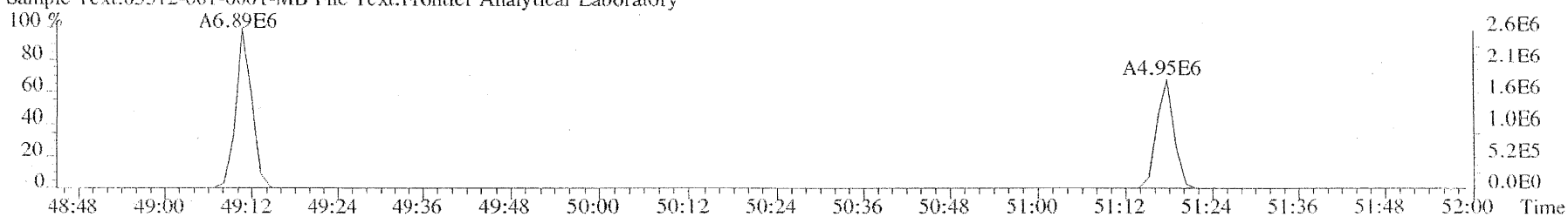
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



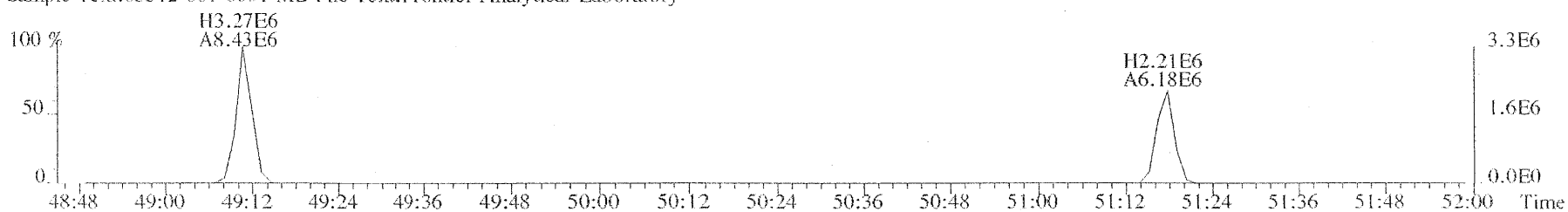
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



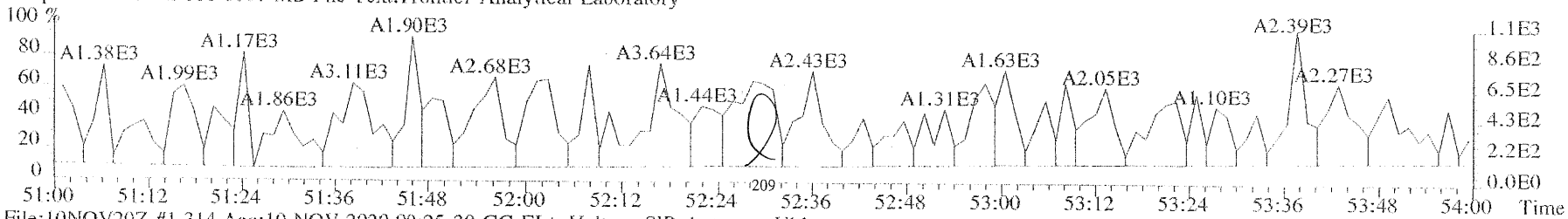
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



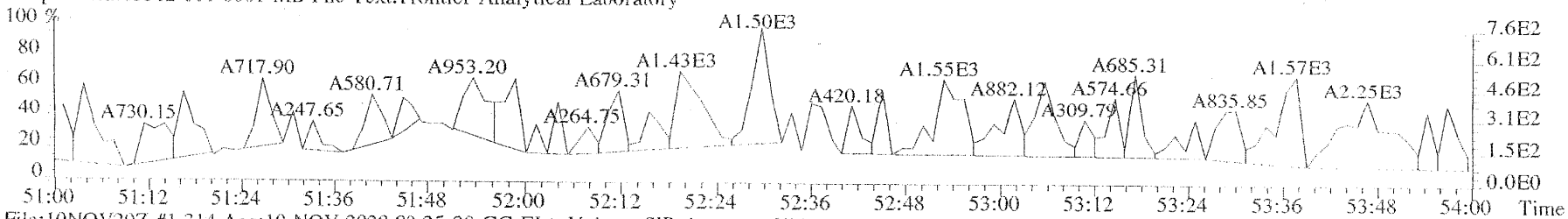
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



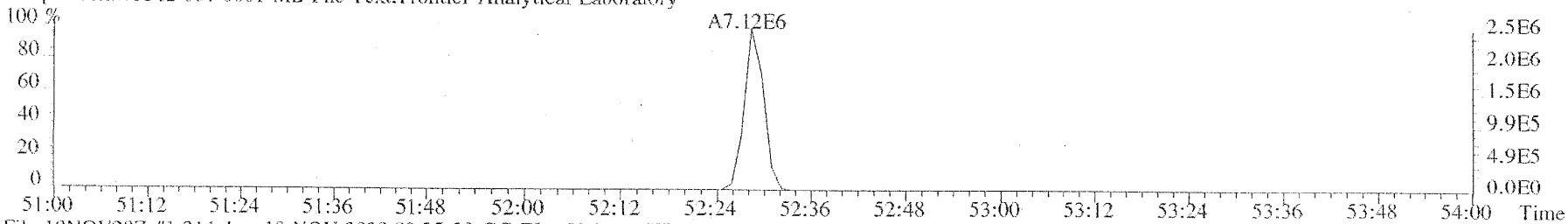
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



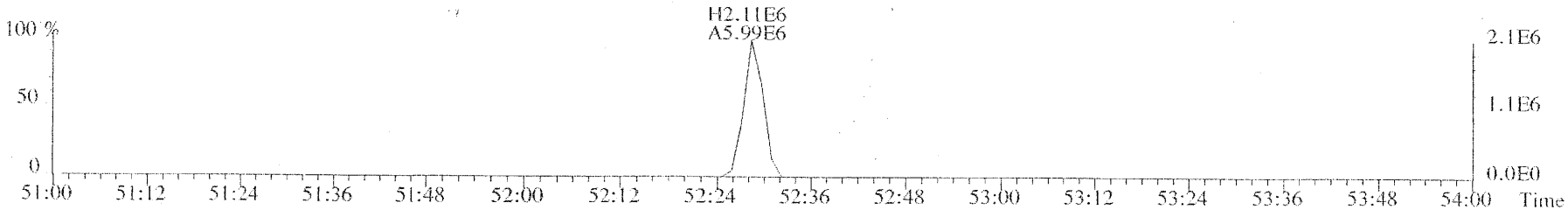
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 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:05512-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 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:05512-001-0001-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: 05512-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 10NOV20Z Sam:2

Ext. Date: 11/5/20 Shift: Day Analysis Date: 10-NOV-20 08:27:09

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	47.5	30.0 - 67.5
PCB-3	50	48.8	30.0 - 67.5
PCB-4	50	56.5	30.0 - 67.5
PCB-15	50	44.8	30.0 - 67.5
PCB-19	50	48.1	30.0 - 67.5
PCB-37	50	45.0	30.0 - 67.5
PCB-54	50	48.5	30.0 - 67.5
PCB-77	50	48.8	30.0 - 67.5
PCB-81	50	45.6	30.0 - 67.5
PCB-104	50	50.2	30.0 - 67.5
PCB-105	50	44.2	30.0 - 67.5
PCB-114	50	43.5	30.0 - 67.5
PCB-118	50	48.4	30.0 - 67.5
PCB-123	50	50.7	30.0 - 67.5
PCB-126	50	44.7	30.0 - 67.5
PCB-155	50	48.1	30.0 - 67.5
PCB-156	50	45.8	30.0 - 67.5
PCB-157	50	45.2	30.0 - 67.5
PCB-167	50	46.8	30.0 - 67.5
PCB-169	50	49.0	30.0 - 67.5
PCB-188	50	49.4	30.0 - 67.5
PCB-189	50	47.4	30.0 - 67.5
PCB-202	50	50.0	30.0 - 67.5
PCB-205	50	49.3	30.0 - 67.5
PCB-206	50	47.9	30.0 - 67.5
PCB-208	50	47.8	30.0 - 67.5
PCB-209	50	47.6	30.0 - 67.5

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

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05512-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 10NOV20Z Sam:2

Ext. Date: 11/5/20 Shift: Day Analysis Date: 10-NOV-20 08:27:09

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	96.5	15.0 - 145
13C-PCB-3	100	94.9	15.0 - 145
13C-PCB-4	100	99.8	15.0 - 145
13C-PCB-15	100	105	15.0 - 145
13C-PCB-19	100	102	15.0 - 145
13C-PCB-37	100	98.7	15.0 - 145
13C-PCB-54	100	106	15.0 - 145
13C-PCB-77	100	96.9	40.0 - 145
13C-PCB-81	100	98.8	40.0 - 145
13C-PCB-104	100	98.3	40.0 - 145
13C-PCB-105	100	96.1	40.0 - 145
13C-PCB-114	100	95.3	40.0 - 145
13C-PCB-118	100	97.4	40.0 - 145
13C-PCB-123	100	98.7	40.0 - 145
13C-PCB-126	100	97.3	40.0 - 145
13C-PCB-155	100	107	40.0 - 145
13C-PCB-156	100	97.5	40.0 - 145
13C-PCB-157	100	98.6	40.0 - 145
13C-PCB-167	100	94.6	40.0 - 145
13C-PCB-169	100	102	40.0 - 145
13C-PCB-188	100	100	40.0 - 145
13C-PCB-189	100	108	40.0 - 145
13C-PCB-202	100	102	40.0 - 145
13C-PCB-205	100	97.8	40.0 - 145
13C-PCB-206	100	104	40.0 - 145
13C-PCB-208	100	99.3	40.0 - 145
13C-PCB-209	100	103	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	100.0	15.0 - 145
13C-PCB-111	100	91.4	40.0 - 145
13C-PCB-178	100	87.4	40.0 - 145

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

FAL ID: 05512-001-0001-OPR Filename: 10NOV20Z Sam:2 Acquired: 10-NOV-20 08:27:09 ICal: DAILY209FAL4-11-10-20 1 of 2
Client ID: OPR ConCal: ST111020Z1 EndCal: ST111020Z2
Results: GC Column: DB1MS Amount: 1.000

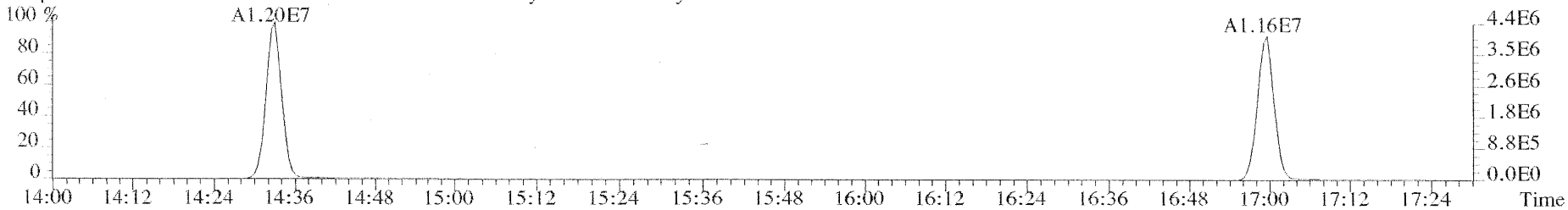
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.58e+07	3.16 y	14:33	1.23	47.5		2.50	-	-	*	
13C-PCB-1	2.70e+07	3.21 y	14:32	0.89	96.5		2.50				96.5
PCB-3	1.53e+07	3.11 y	16:60	1.21	48.8		2.50	-	-	*	
13C-PCB-3	2.59e+07	3.25 y	16:58	0.87	94.9		2.50				94.9
PCB-4	1.13e+07	1.47 y	18:15	0.97	56.5		2.50	-	-	*	
13C-PCB-4	2.05e+07	1.57 y	18:13	0.65	99.8		2.50				99.8
PCB-15	1.68e+07	1.53 y	23:46	1.18	44.8		2.50	-	-	*	
13C-PCB-15	3.16e+07	1.60 y	23:45	0.96	105		2.50				105
PCB-19	9.29e+06	1.04 y	22:09	1.35	48.1		2.50	-	-	*	
13C-PCB-19	1.43e+07	1.09 y	22:07	0.45	102		2.50				102
13C-PCB-9	3.15e+07	1.59 y	19:54	-	43.6		2.50				
PCB-37	1.24e+07	1.06 y	30:25	1.20	45.0		2.50	-	-	*	
13C-PCB-37	2.30e+07	1.07 y	30:24	1.40	98.7		2.50				98.7
PCB-54	1.32e+07	0.78 y	25:42	1.24	48.5		2.50	-	-	*	
13C-PCB-54	2.20e+07	0.81 y	25:39	1.24	106		2.50				106
PCB-104	9.21e+06	1.57 y	30:07	1.14	50.2		2.50	-	-	*	
13C-PCB-104	1.60e+07	1.60 y	30:06	0.98	98.3		2.50				98.3
13C-PCB-28	2.90e+07	1.09 y	26:44	1.74	100.0		2.50				100.0
13C-PCB-52	1.66e+07	0.78 y	29:00	-	42.8		2.50				
PCB-81	1.06e+07	0.80 y	36:11	1.25	45.6		2.50	-	-	*	
13C-PCB-81	1.85e+07	0.79 y	36:11	1.33	98.8		2.50				98.8
PCB-77	1.03e+07	0.82 y	36:45	1.11	48.8		2.50	-	-	*	
13C-PCB-77	1.89e+07	0.81 y	36:44	1.39	96.9		2.50				96.9
PCB-155	9.41e+06	1.26 y	34:17	1.10	48.1		2.50	-	-	*	
13C-PCB-155	1.78e+07	1.28 y	34:16	1.18	107		2.50				107
13C-PCB-111	1.62e+07	1.59 y	36:20	1.26	91.4		2.50				91.4
13C-PCB-101	1.40e+07	1.59 y	34:41	-	39.9		2.50				
PCB-123	9.64e+06	1.55 y	38:24	1.09	50.7		2.50	-	-	*	
13C-PCB-123	1.75e+07	1.56 y	38:23	1.22	98.7		2.50				98.7
PCB-118	1.01e+07	1.56 y	38:34	1.13	48.4		2.50	-	-	*	
13C-PCB-118	1.85e+07	1.58 y	38:33	1.30	97.4		2.50				97.4
PCB-114	9.42e+06	1.53 y	39:10	1.21	43.5		2.50	-	-	*	
13C-PCB-114	1.79e+07	1.58 y	39:10	1.29	95.3		2.50				95.3
PCB-105	9.29e+06	1.55 y	39:60	1.18	44.2		2.50	-	-	*	
13C-PCB-105	1.78e+07	1.62 y	39:58	1.27	96.1		2.50				96.1
PCB-126	8.43e+06	1.56 y	42:07	1.15	44.7		2.50	-	-	*	
13C-PCB-126	1.64e+07	1.56 y	42:05	1.16	97.3		2.50				97.3
PCB-167	8.62e+06	1.25 y	43:29	1.19	46.8		2.50	-	-	*	
13C-PCB-167	1.55e+07	1.28 y	43:27	1.13	94.6		2.50				94.6
PCB-156	8.59e+06	1.26 y	44:43	1.21	45.8		2.50	-	-	*	
13C-PCB-156	1.55e+07	1.27 y	44:41	1.09	97.5		2.50				97.5
PCB-157	8.47e+06	1.30 y	44:58	1.19	45.2		2.50	-	-	*	
13C-PCB-157	1.57e+07	1.31 y	44:56	1.09	98.6		2.50				98.6
PCB-169	8.51e+06	1.25 y	46:48	1.12	49.0		2.50	-	-	*	
13C-PCB-169	1.55e+07	1.23 y	46:48	1.04	102		2.50				102
PCB-188	8.40e+06	1.05 y	39:47	1.09	49.4		2.50	-	-	*	
13C-PCB-188	1.55e+07	1.07 y	39:45	1.06	100		2.50				100
PCB-189	7.20e+06	1.07 y	48:28	1.09	47.4		2.50	-	-	*	
13C-PCB-189	1.40e+07	1.10 y	48:27	0.89	108		2.50				108
PCB-202	6.22e+06	0.96 y	44:54	1.11	50.0		2.50	-	-	*	
13C-PCB-202	1.12e+07	0.92 y	44:53	0.75	102		2.50				102
13C-PCB-178	1.02e+07	1.10 y	42:23	0.80	87.4		2.50				87.4
13C-PCB-138	1.46e+07	1.29 y	41:37	-	40.3		2.50				

FAL ID: 05512-001-0001-OPR Filename: 10NOV20Z Sam:2 Acquired: 10-NOV-20 08:27:09 ICal: DAILY209FAL4-11-10-20 2 of 2
Client ID: OPR ConCal: ST111020Z1 EndCal: ST111020Z2
Results: GC Column: DB1MS Amount: 1.000

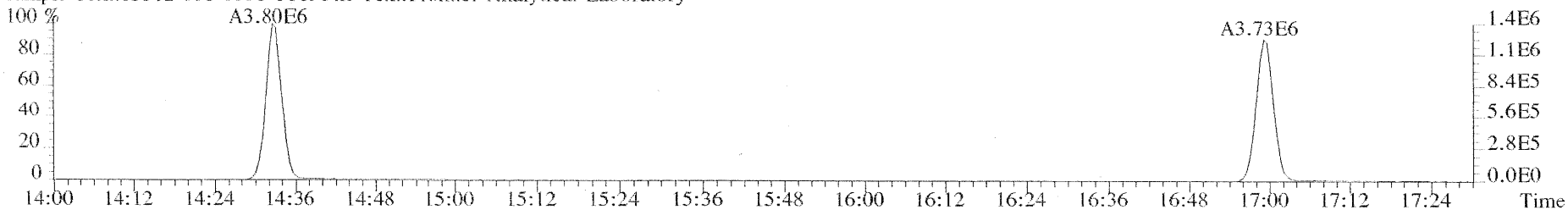
PCB-205	8.08e+06	0.92 y	50:07	1.08	49.3	2.50	-	-	*	
13C-PCB-205	1.51e+07	0.89 y	50:06	1.26	97.8	2.50				97.8
PCB-208	8.05e+06	1.36 y	49:12	1.08	47.8	2.50	-	-	*	
13C-PCB-208	1.56e+07	0.81 y	49:11	1.27	99.3	2.50				99.3
PCB-206	5.88e+06	1.35 y	51:19	1.11	47.9	2.50	-	-	*	
13C-PCB-206	1.11e+07	0.80 y	51:18	0.87	104	2.50				104
PCB-209	7.25e+06	1.18 y	52:30	1.19	47.6	2.50	-	-	*	
13C-PCB-209	1.27e+07	1.21 y	52:28	1.01	103	2.50				103
13C-PCB-194	1.23e+07	0.89 y	49:52	-	42.5	2.50				

Analyst: _____ Date: 11/10/20

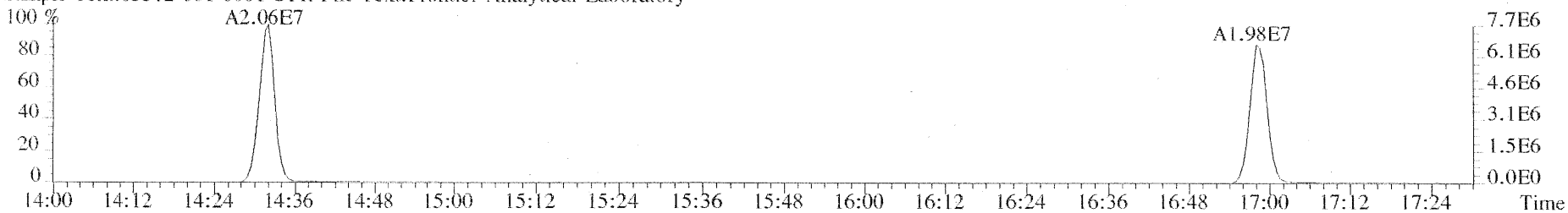
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



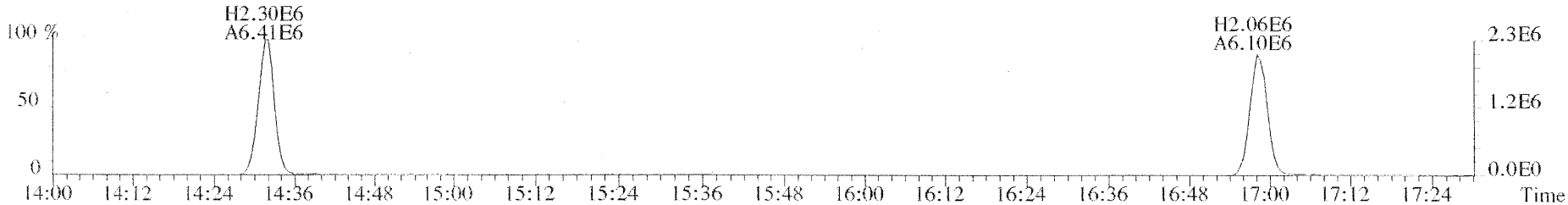
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



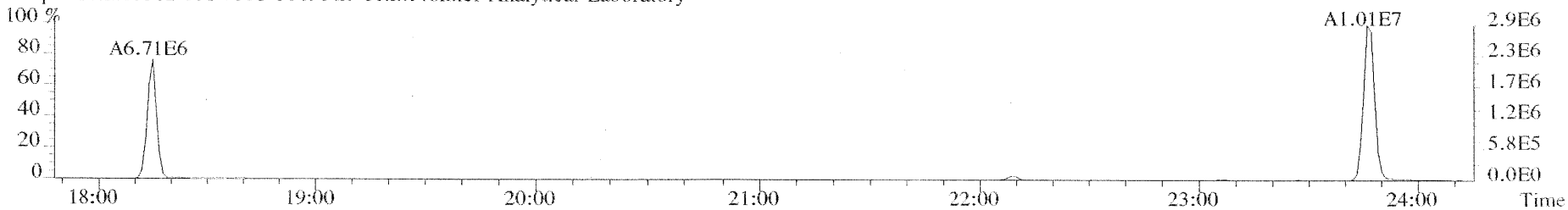
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



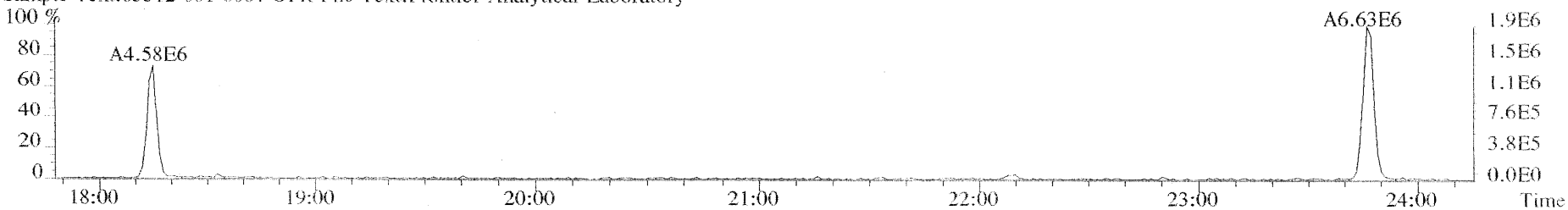
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



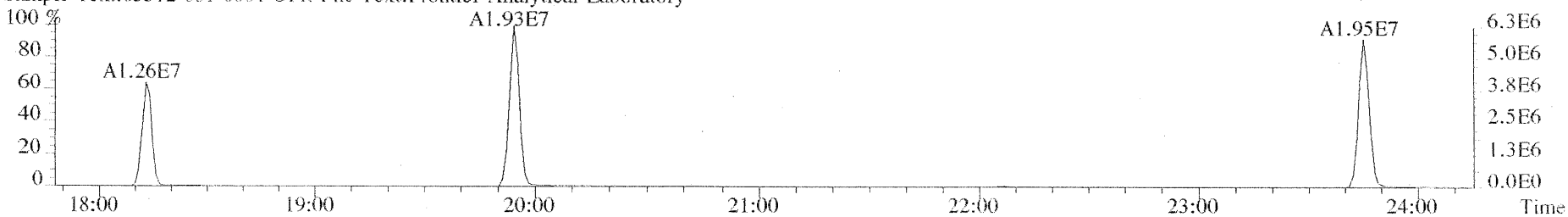
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



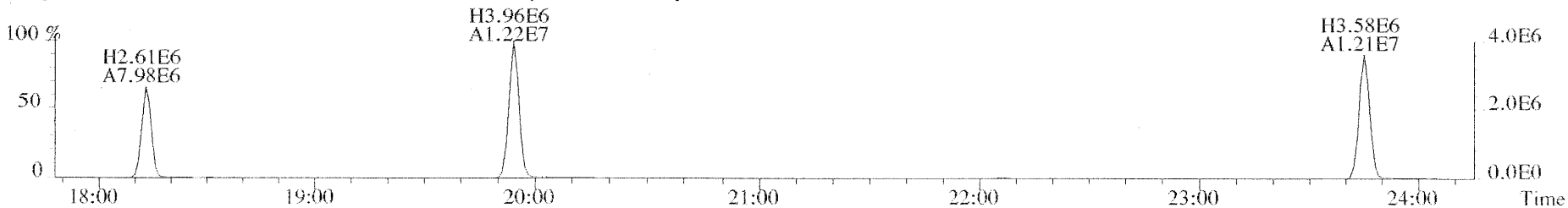
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



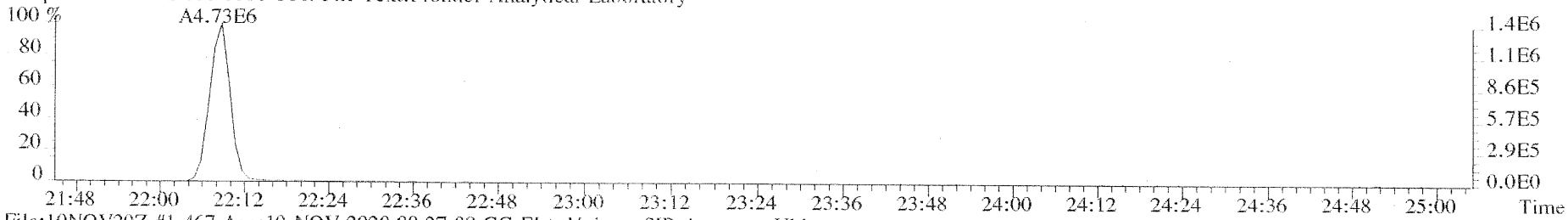
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



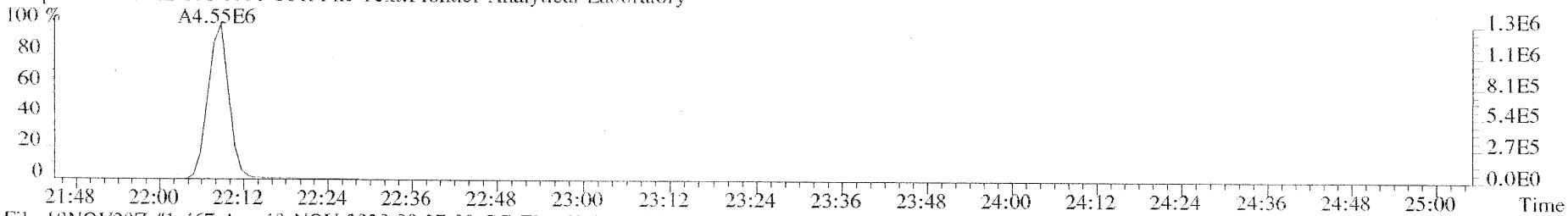
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



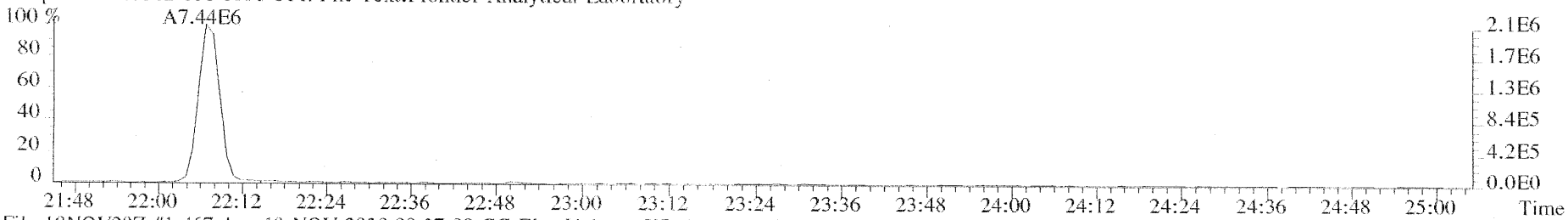
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



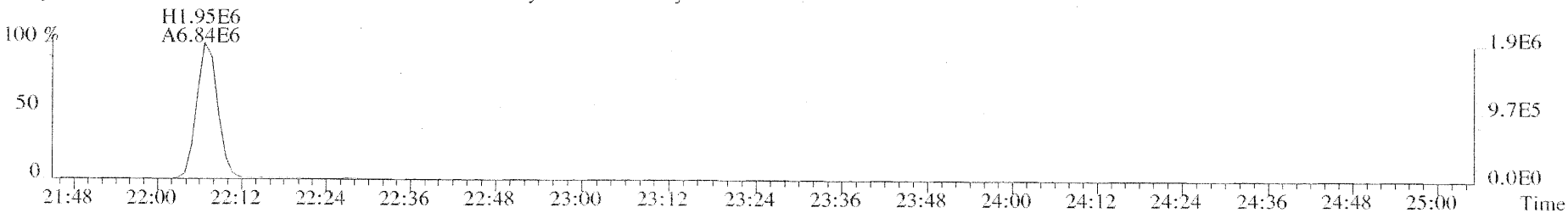
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



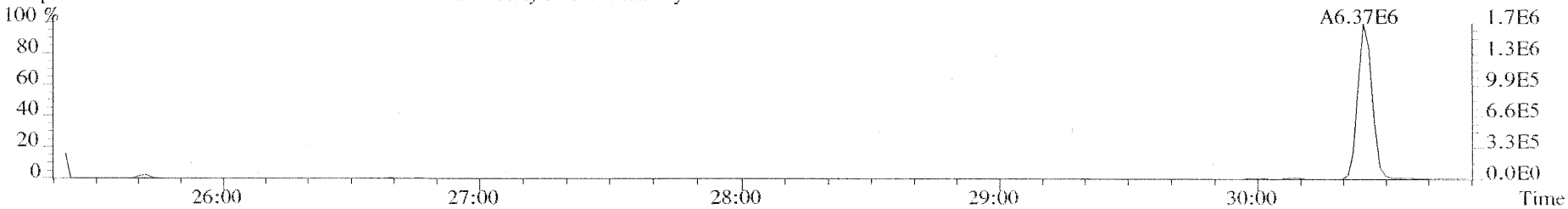
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



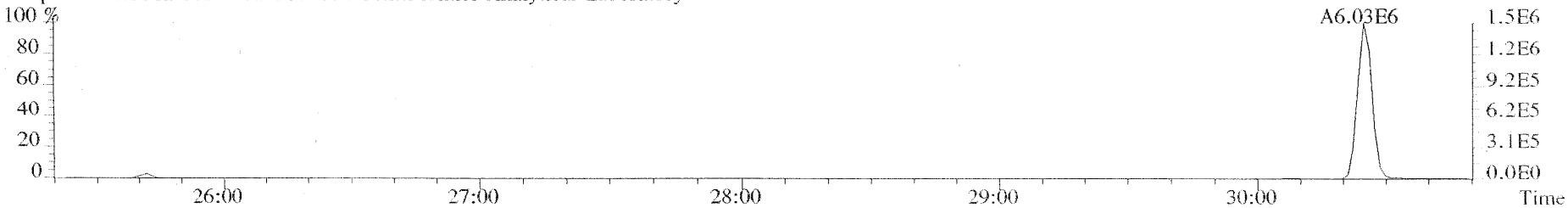
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



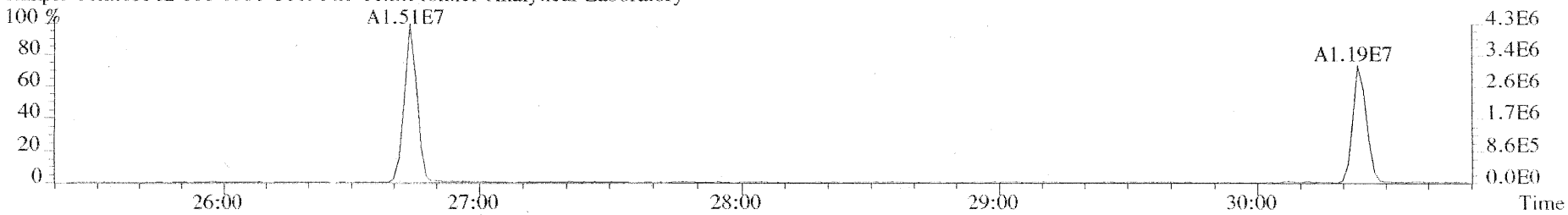
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



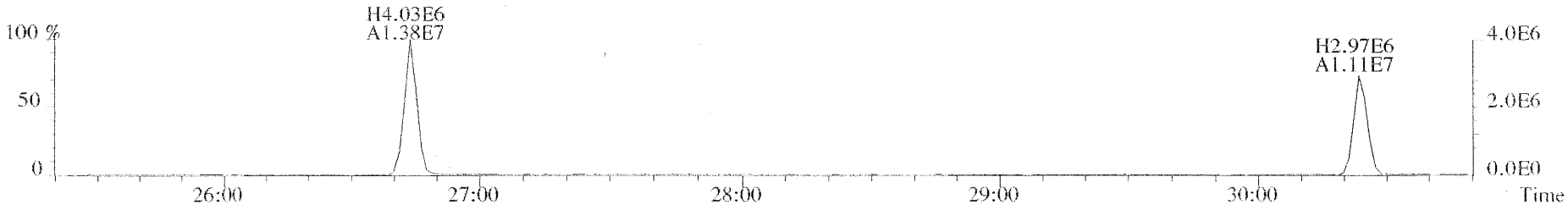
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



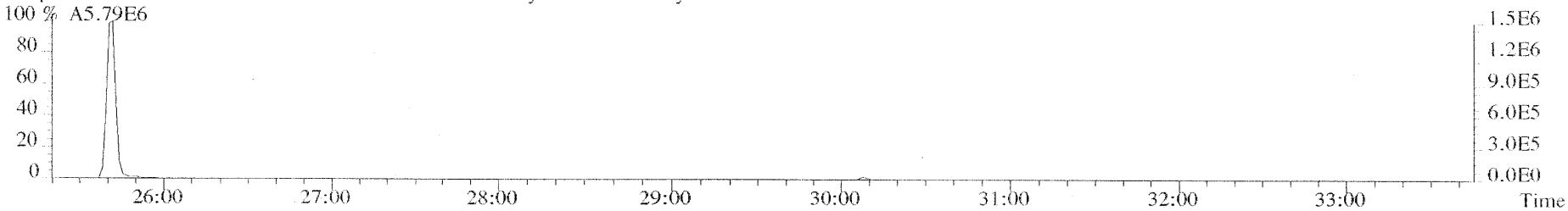
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



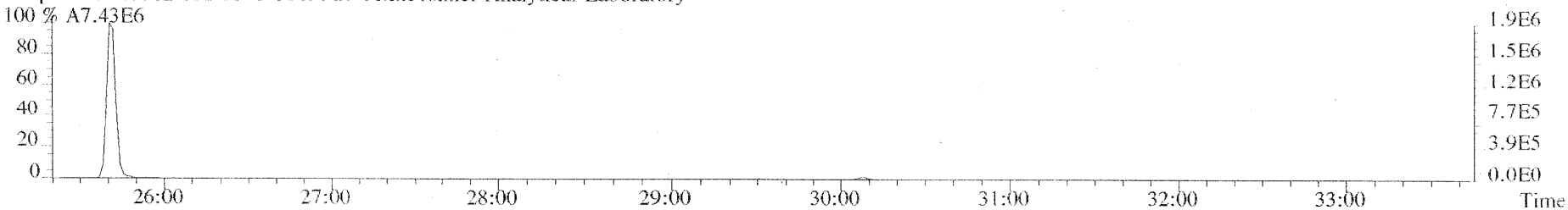
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



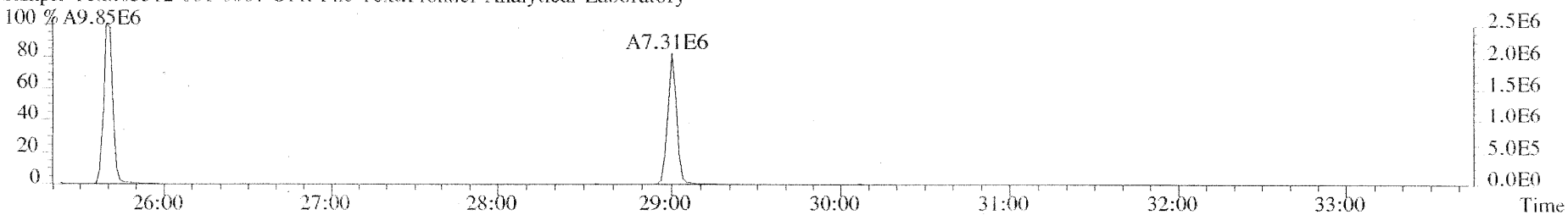
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



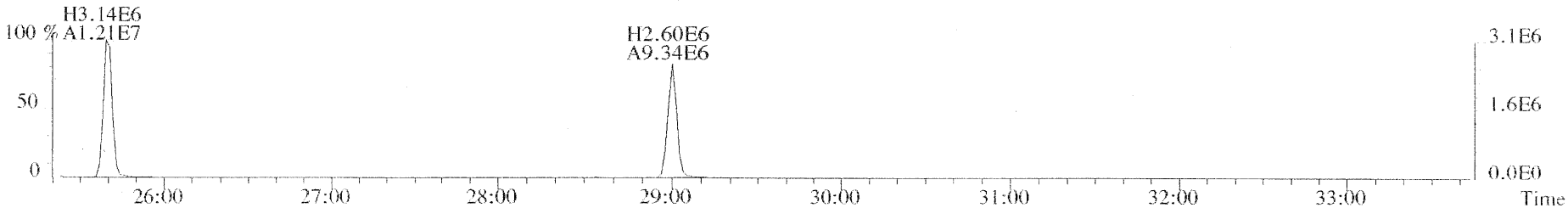
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



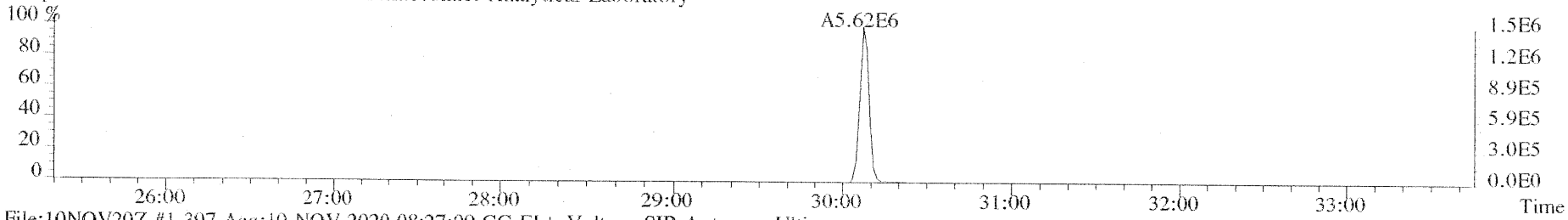
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



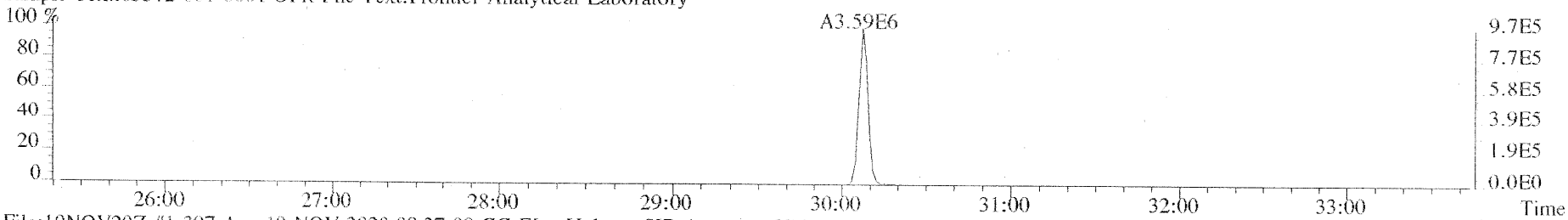
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



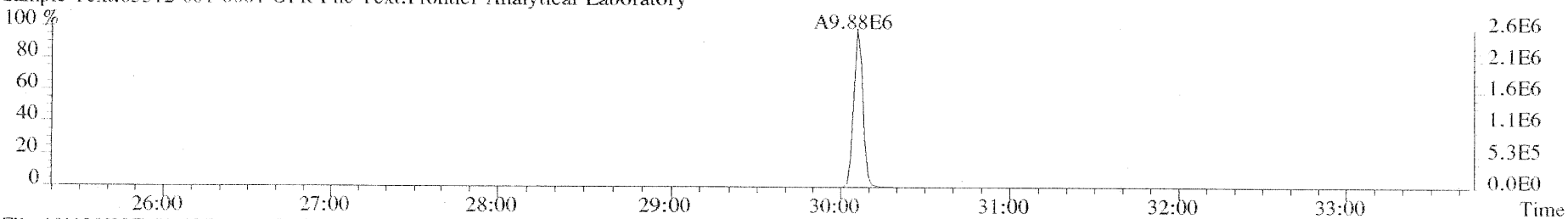
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



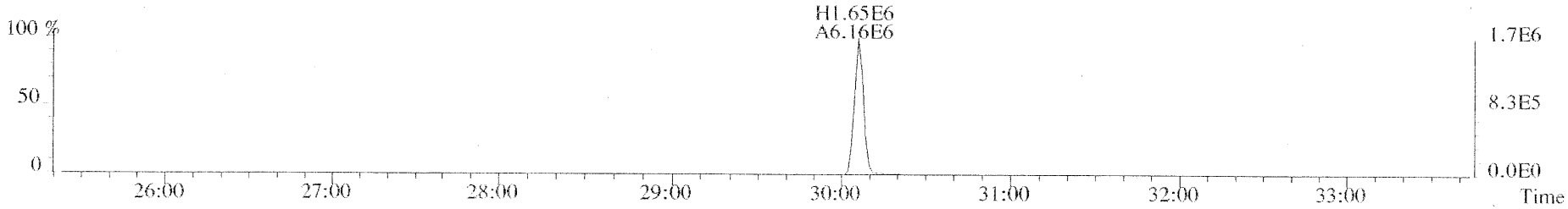
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



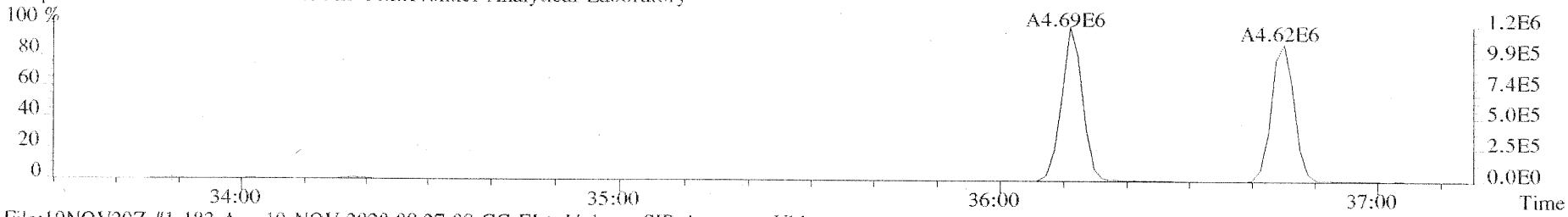
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



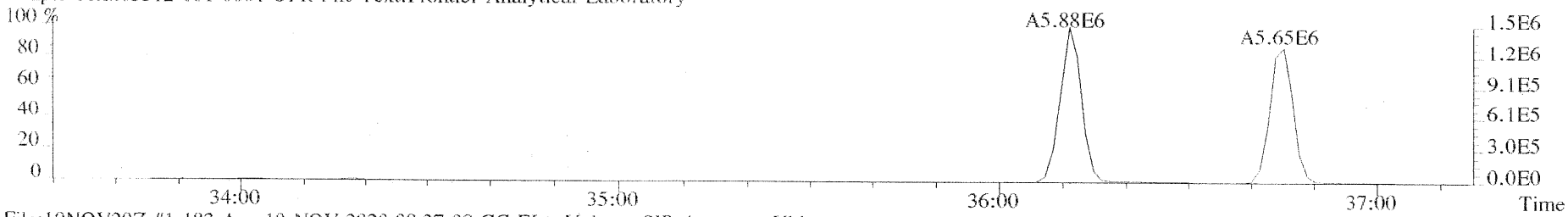
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



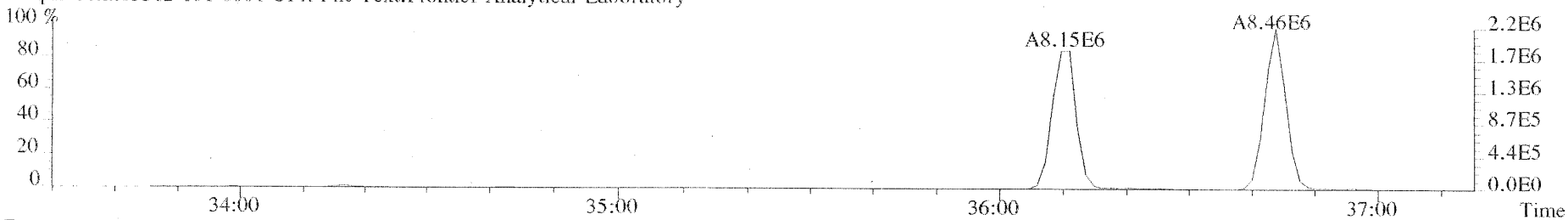
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



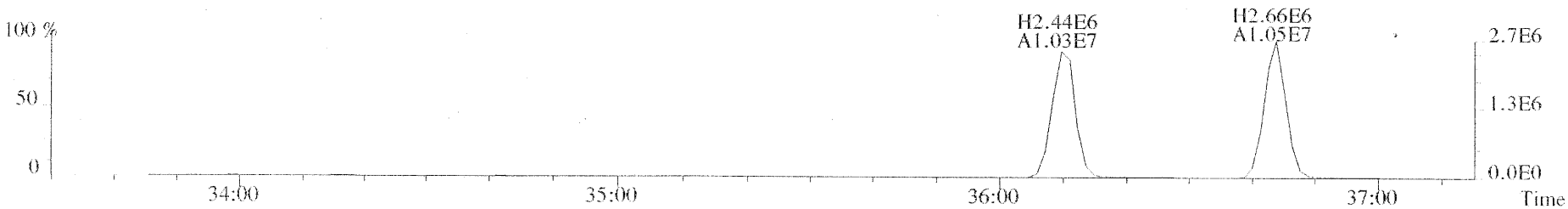
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



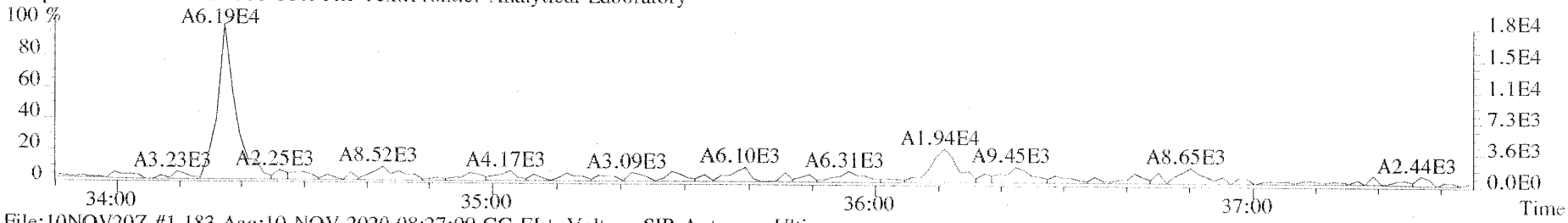
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



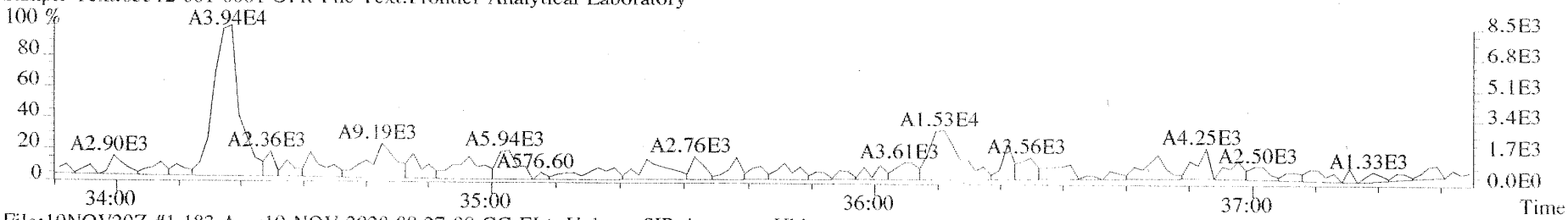
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



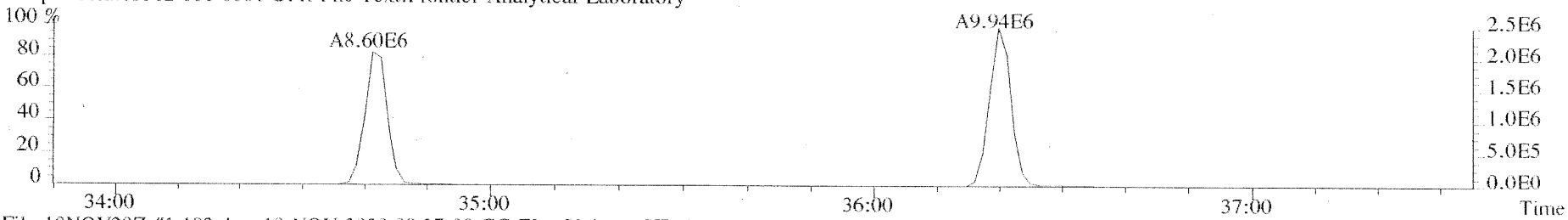
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



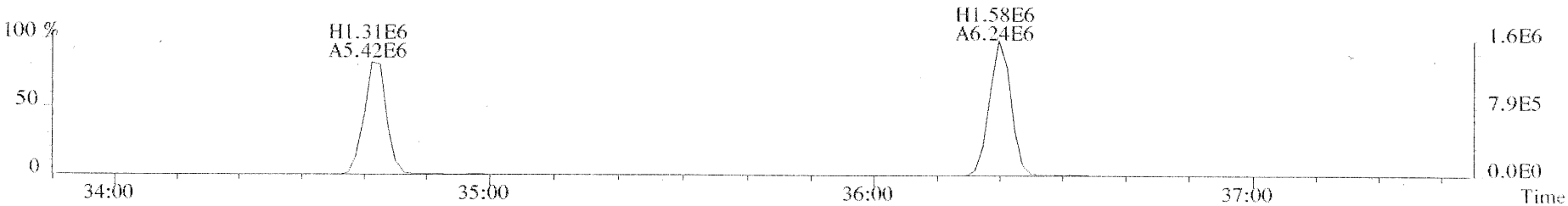
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



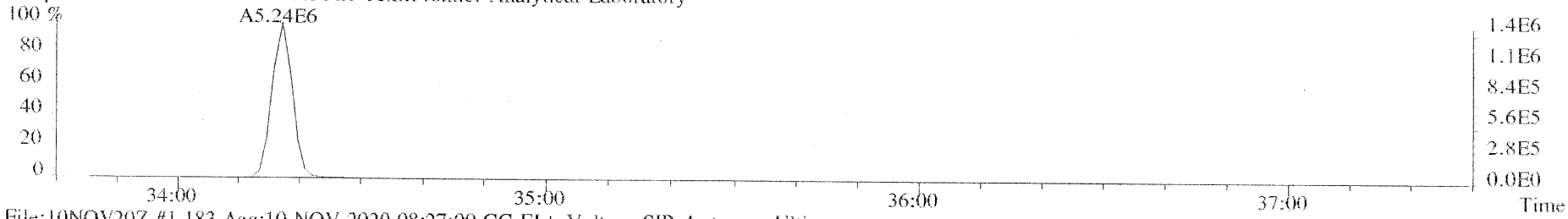
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



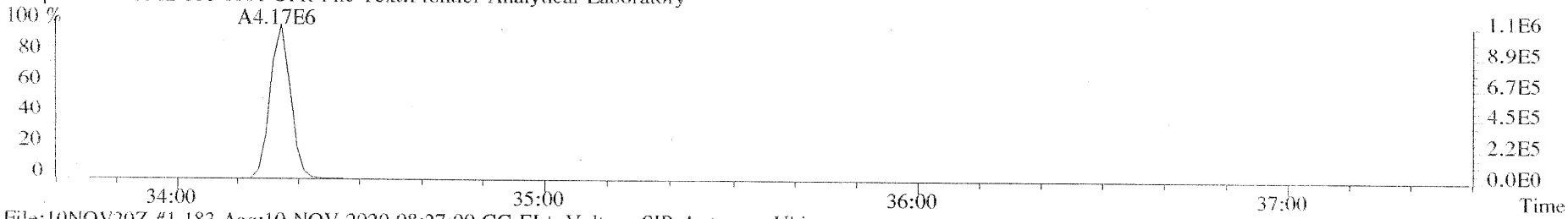
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



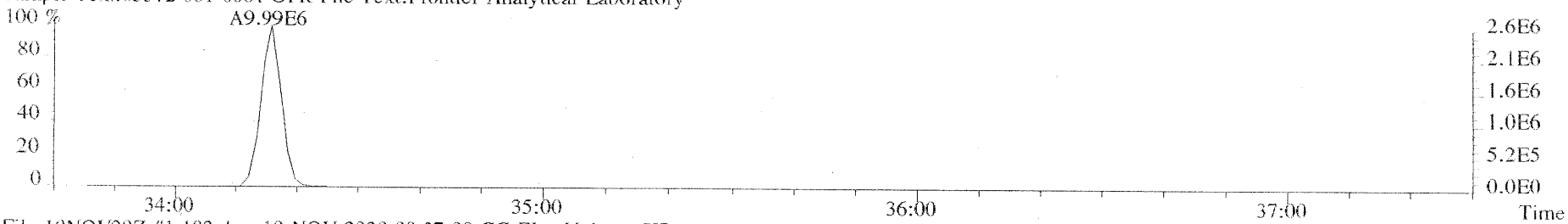
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



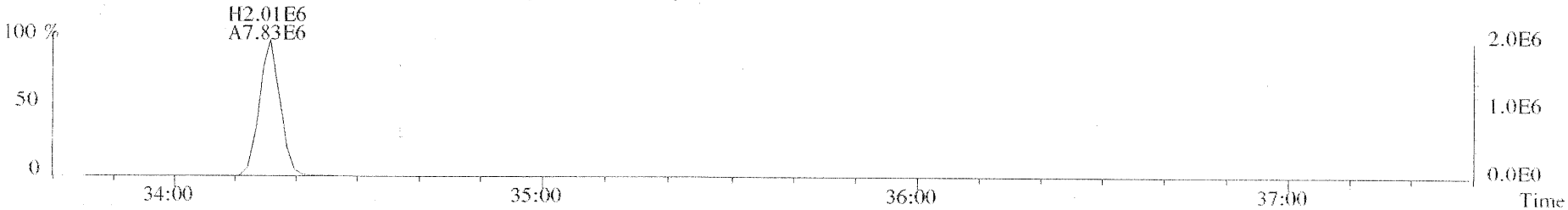
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



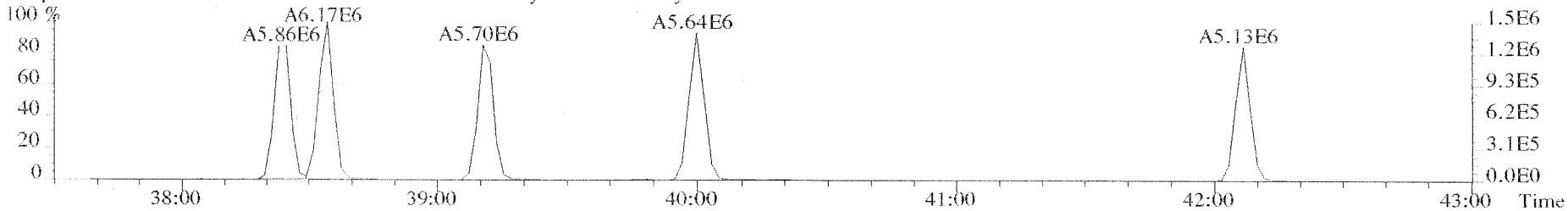
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



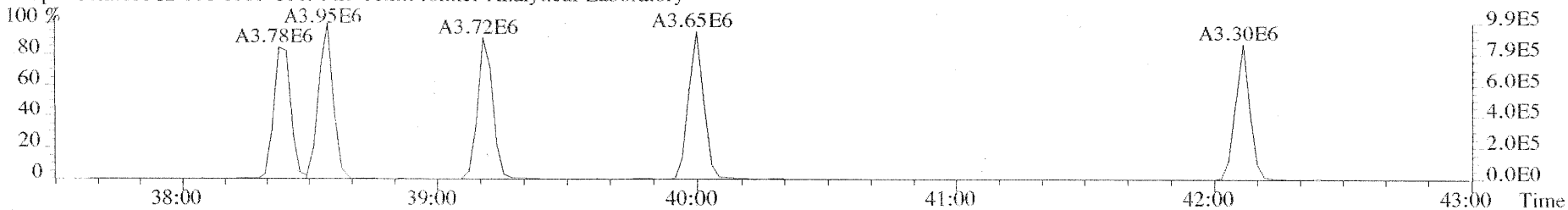
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



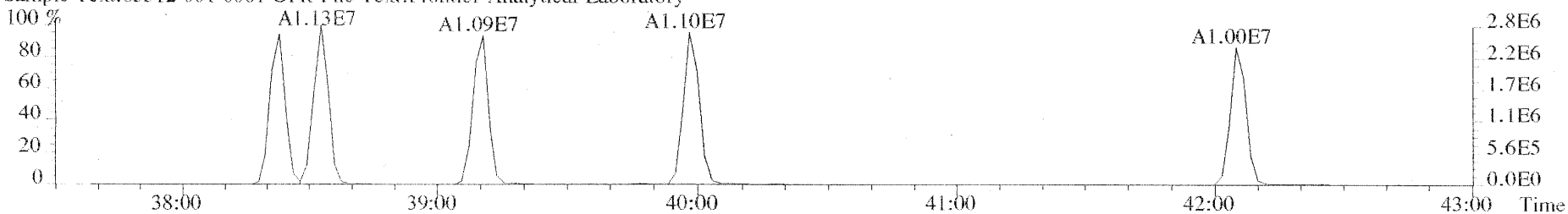
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



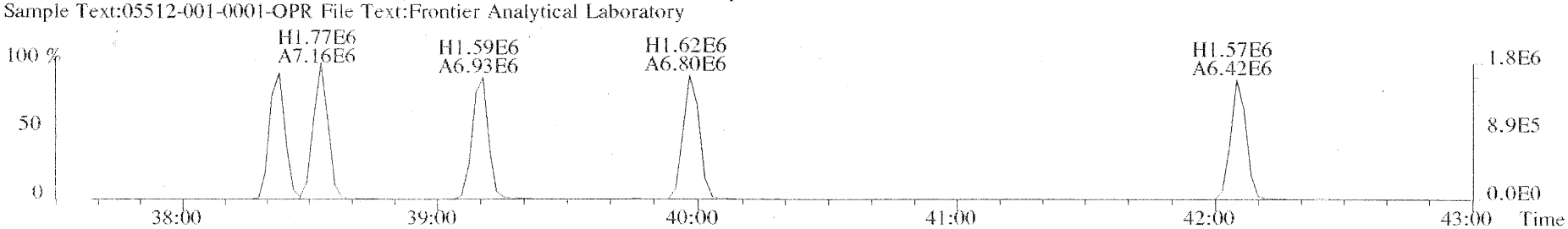
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



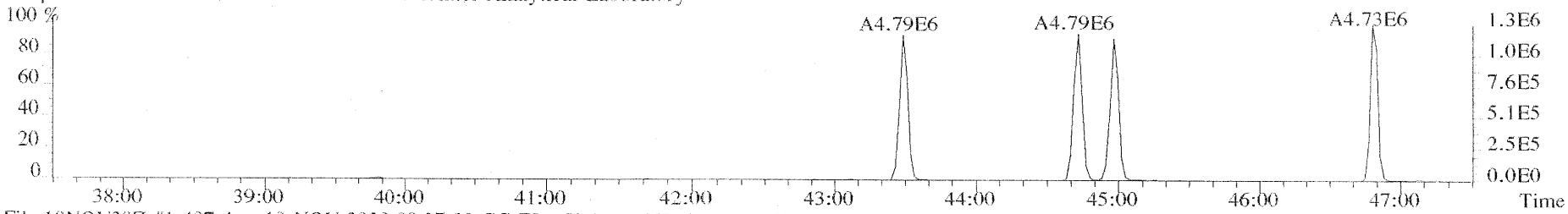
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



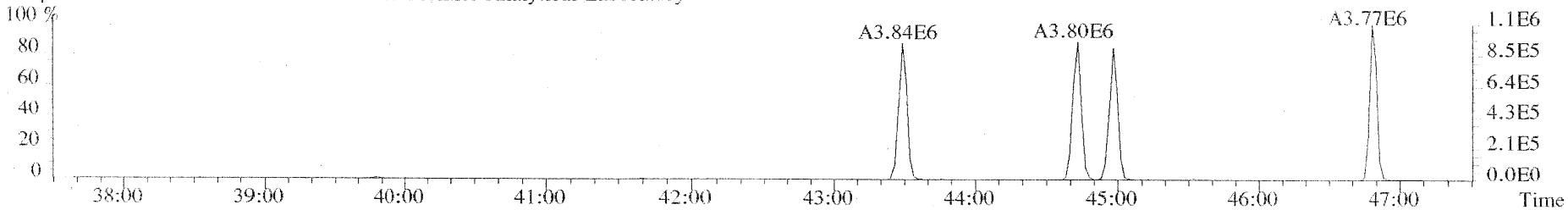
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



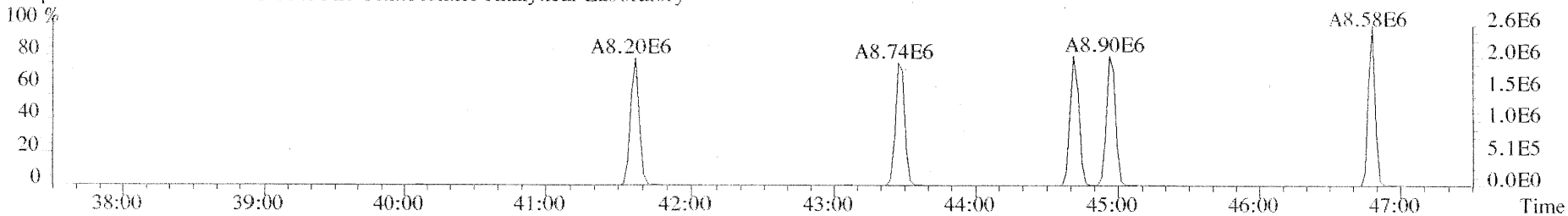
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



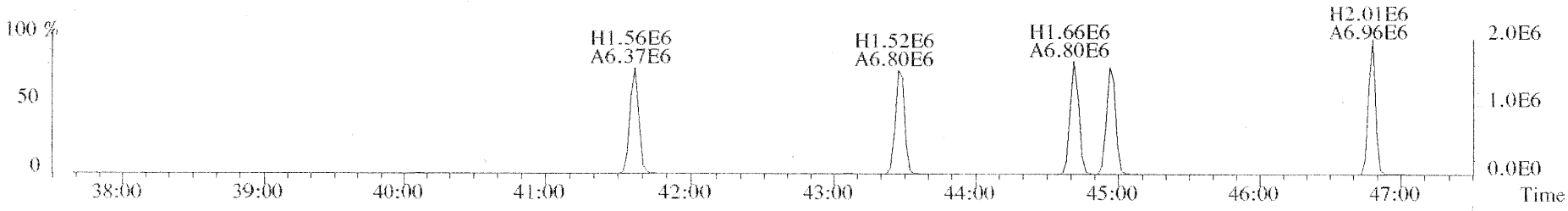
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



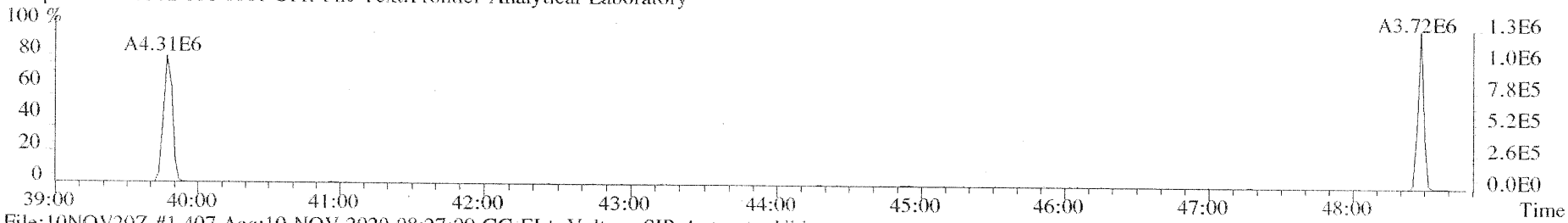
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



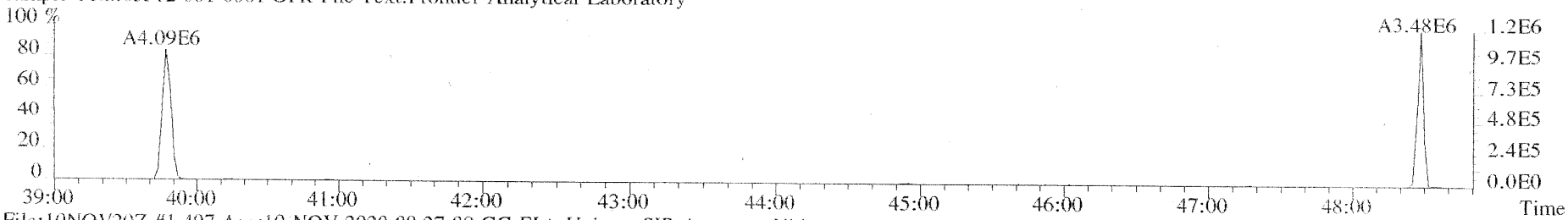
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



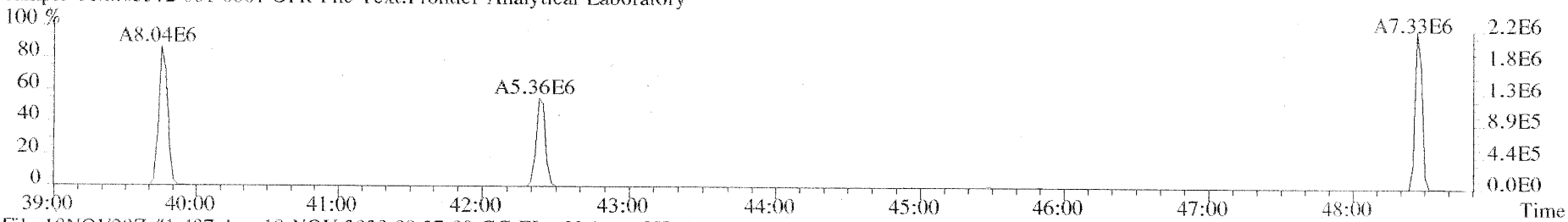
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



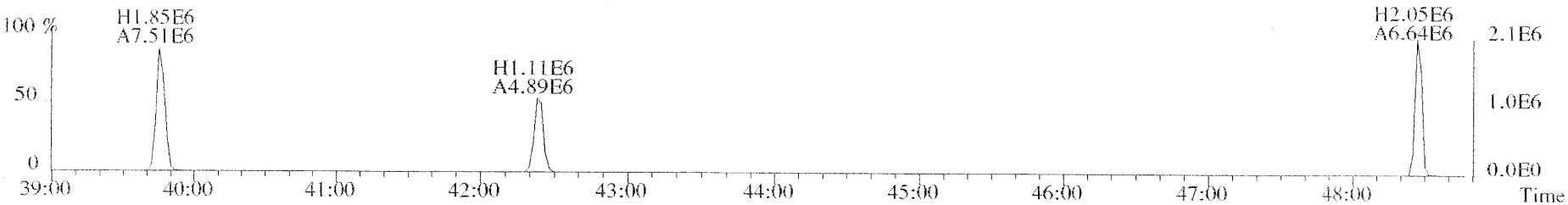
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



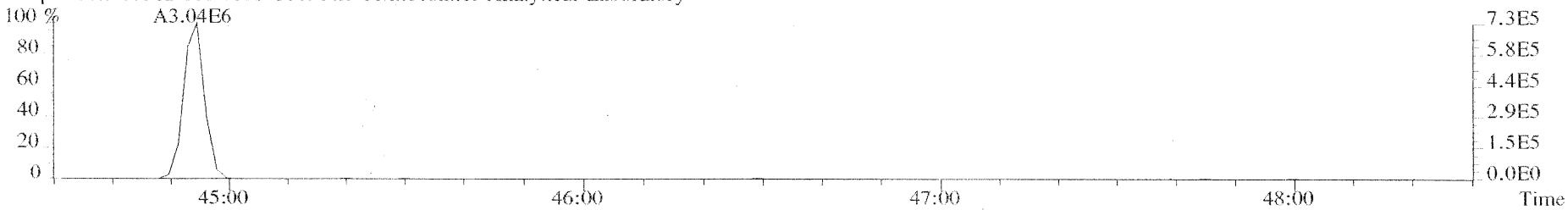
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



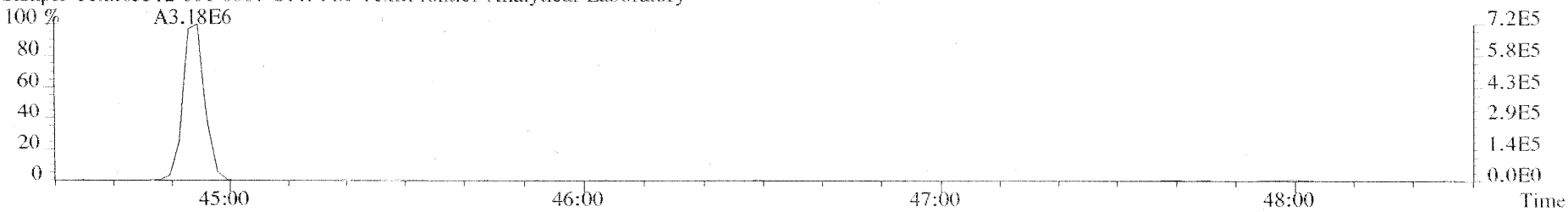
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



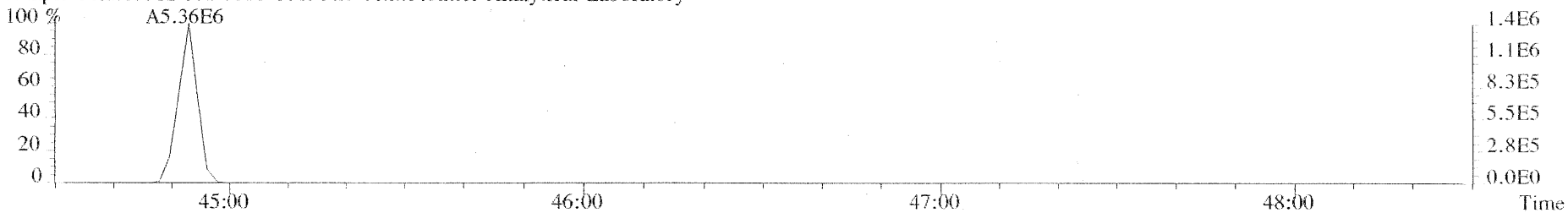
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



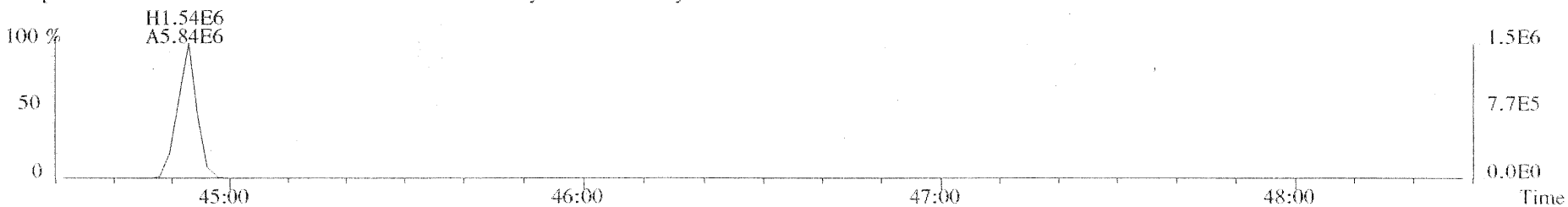
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



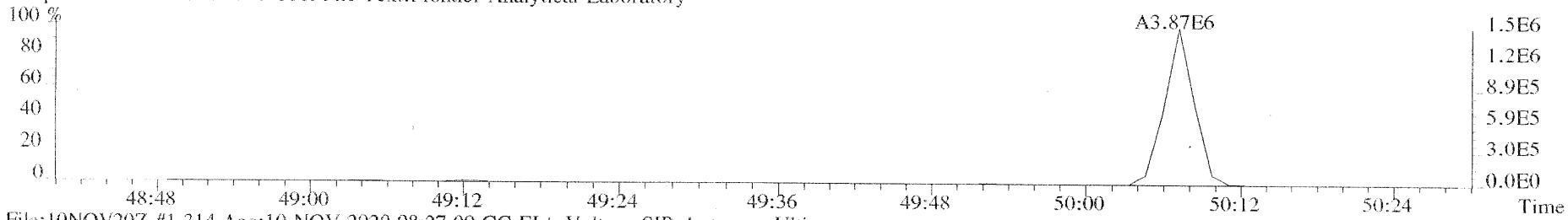
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



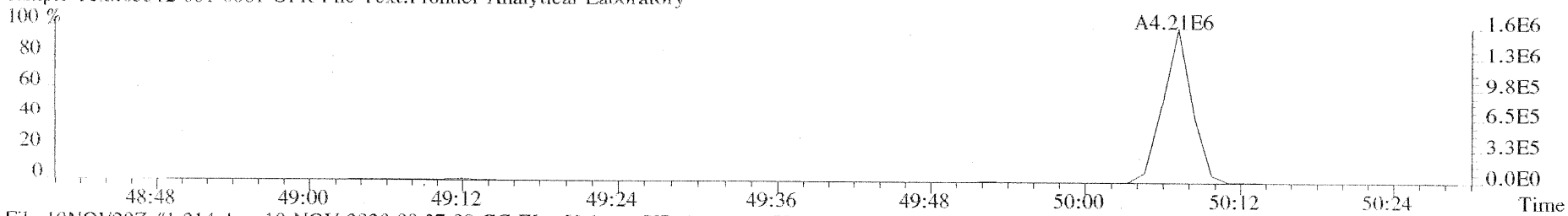
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



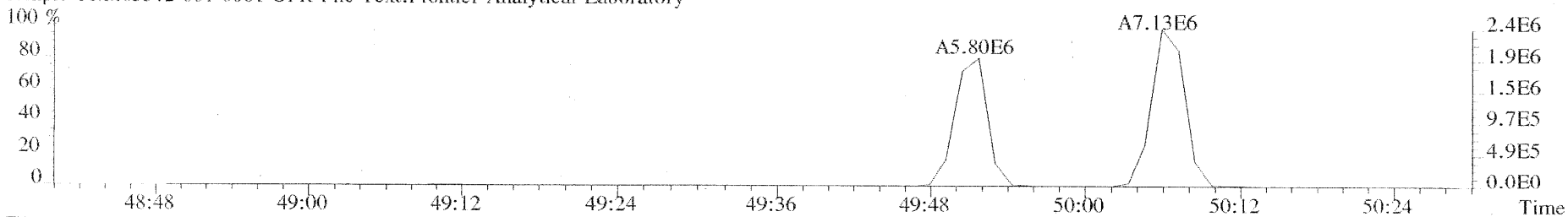
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



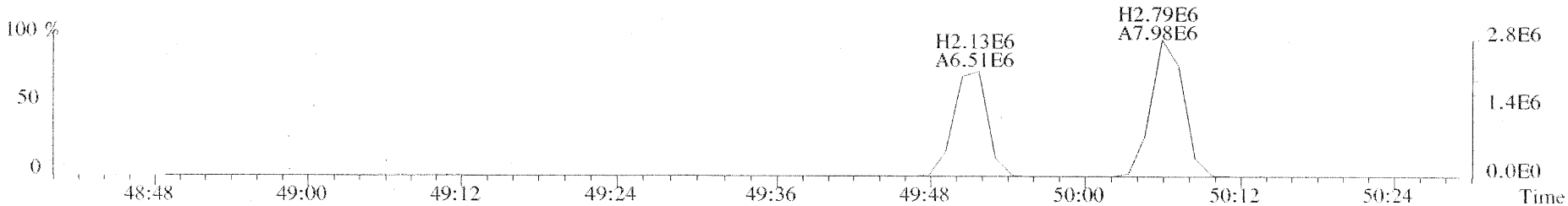
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



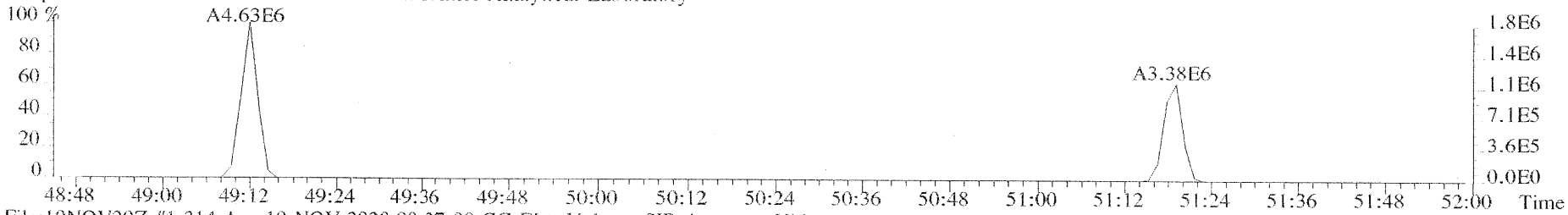
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



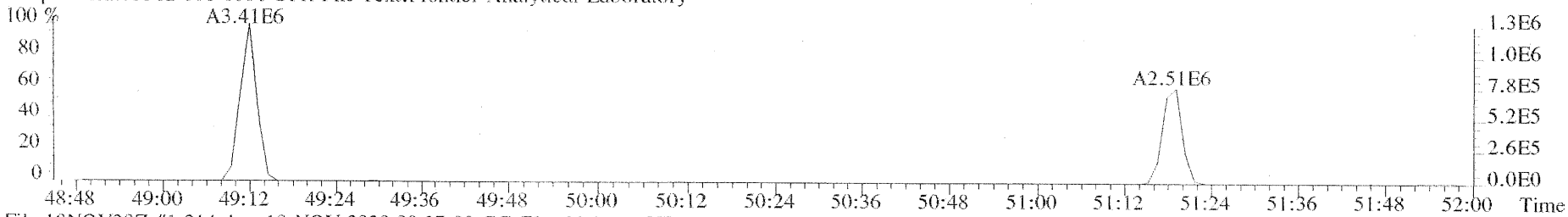
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



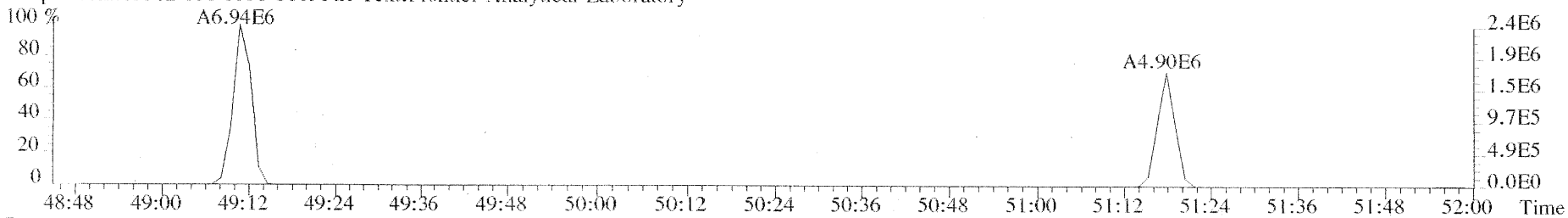
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



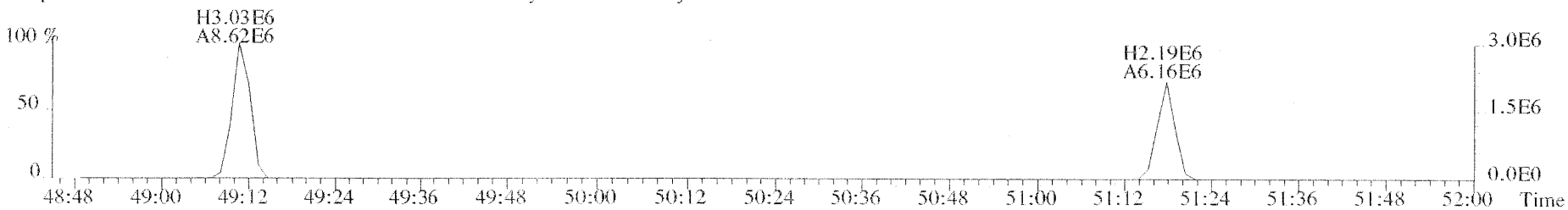
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



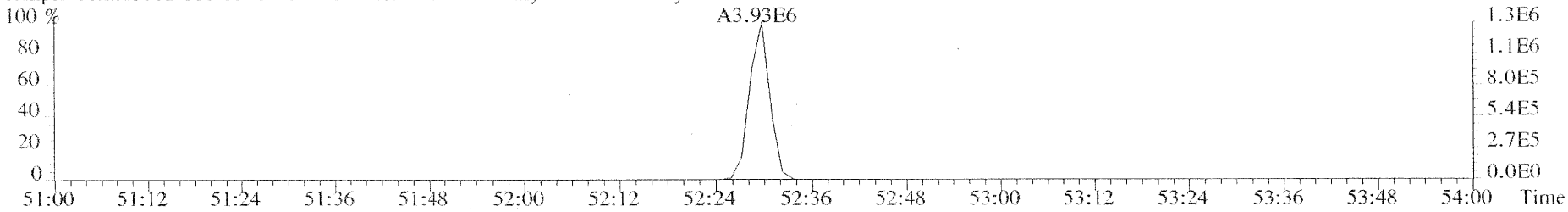
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



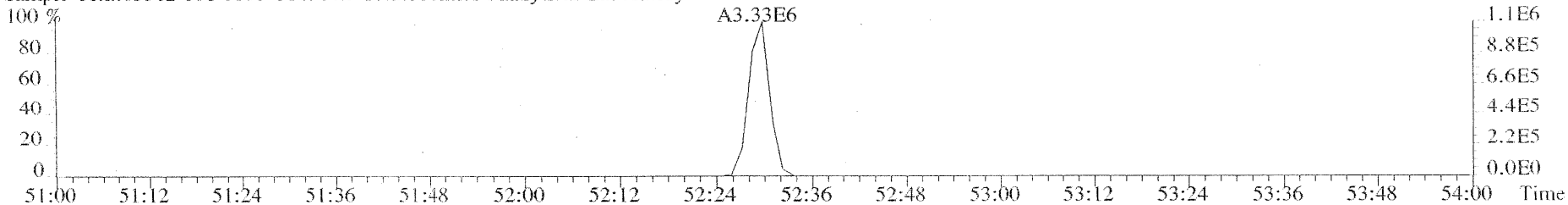
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



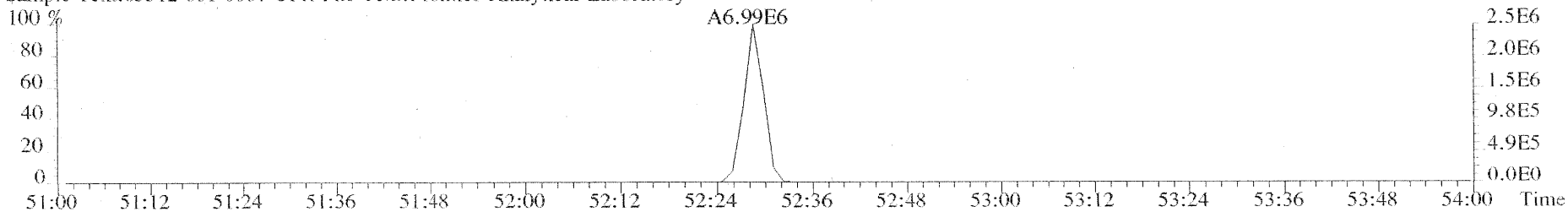
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



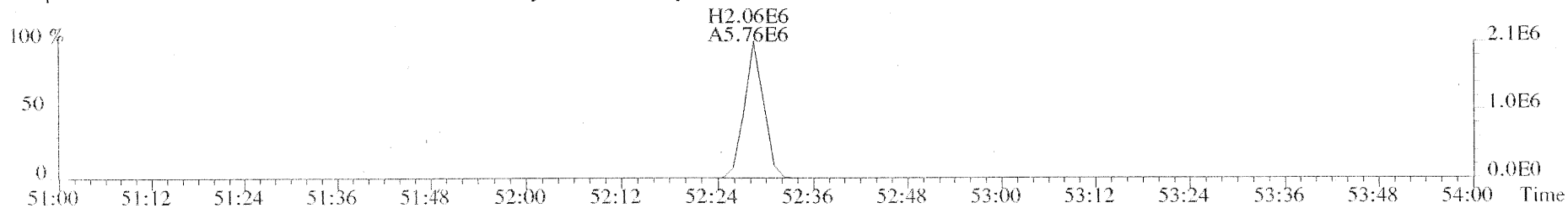
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 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:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 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:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13416-001-0001-SA Filename: 11NOV20Z Sam:4 Acquired: 11-NOV-20 09:07:38 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CA-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	9.84e+04	2.68 y	14:34	1.30	2.39		-	-	*			
13C-PCB-1	3.17e+07	3.21 y	14:33	0.83	1020					102	8.66e+06	2.64e+06
PCB-2	2.79e+04	3.52 y	16:47	1.30	0.699	J	-	-	*			
PCB-3	9.11e+04	2.95 y	17:01	1.27	2.43		-	-	*			
13C-PCB-3	2.95e+07	3.34 y	16:60	0.81	979					98.1	8.02e+06	2.44e+06
PCB-4	3.54e+05	1.47 y	18:16	1.09	13.5		-	-	*			
PCB-10	3.44e+04	1.59 y	18:19	1.46	0.737	J	-	-	*			
13C-PCB-4	2.42e+07	1.63 y	18:14	0.66	987					98.9	4.79e+06	3.01e+06
PCB-9	1.23e+05	1.44 y	19:58	1.41	2.74		-	-	*			
PCB-7	1.05e+05	1.47 y	20:00	1.43	2.31		-	-	*			
PCB-6	5.77e+05	1.43 y	20:35	1.39	13.0		-	-	*			
PCB-8	2.60e+06	1.48 y	20:57	1.42	57.5		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		630	2320	0.557			
PCB-14	*	* n	NotFnd	1.41	*		630	2320	0.531			
PCB-11	1.95e+05	1.48 y	23:08	1.33	4.59		-	-	*			
PCB-13	1.37e+05	1.43 y	23:28	1.38	3.11		-	-	*			
PCB-12	2.08e+05	1.63 y	23:29	1.37	4.76		-	-	*			
PCB-15	2.53e+06	1.38 y	23:49	1.22	52.3		-	-	*			
13C-PCB-15	3.95e+07	1.60 y	23:47	1.01	1050					105	7.19e+06	4.46e+06
PCB-19	1.76e+05	1.18 y	22:10	1.29	8.37		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2250	776	0.851			
PCB-18	1.78e+06	1.11 y	23:43	1.34	81.0		-	-	*			
PCB-17	8.62e+05	1.08 y	23:53	1.43	36.9		-	-	*			
PCB-27	1.53e+05	1.07 y	24:24	1.89	4.95		-	-	*			
PCB-24	1.29e+05	1.02 y	24:25	1.89	4.19		-	-	*			
PCB-16	6.99e+05	1.02 y	24:54	1.61	26.6		-	-	*			
PCB-32	8.13e+05	1.19 y	24:56	1.62	30.8		-	-	*			
13C-PCB-19	1.63e+07	1.09 y	22:08	0.43	1010					101	2.34e+06	2.27e+06
13C-PCB-9	3.73e+07	1.59 y	19:56	-	3.81							
PCB-34	4.56e+04	1.15 y	25:40	1.09	1.10	J	-	-	*			
PCB-23	*	* n	NotFnd	1.28	*		1030	950	0.481			
PCB-29	6.25e+04	1.04 y	26:00	1.23	1.34	J	-	-	*			
PCB-26	1.23e+06	1.02 y	26:12	1.19	27.1		-	-	*			
PCB-25	7.45e+05	0.97 y	26:21	1.14	17.1		-	-	*			
PCB-31	5.64e+06	1.04 y	26:41	1.23	121		-	-	*			
PCB-28	7.67e+06	1.09 y	26:47	1.32	152		-	-	*			
PCB-20	3.89e+06	1.08 y	27:22	1.14	89.2		-	-	*		Co-elute PCB 21/33	
PCB-21	3.89e+06	1.08 y	27:22	1.14	89.2		-	-	*		Co-elute PCB 20/33	
PCB-33	3.89e+06	1.08 y	27:22	1.14	89.2		-	-	*		Co-elute PCB 20/21	
PCB-22	2.38e+06	1.12 y	27:46	1.24	50.2		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1030	950	0.513			
PCB-39	*	* n	NotFnd	1.24	*		1030	950	0.499			
PCB-38	8.12e+04	1.09 y	29:35	1.18	1.80	J	-	-	*			
PCB-35	2.35e+05	1.08 y	30:07	1.19	5.17		-	-	*			
PCB-37	3.29e+06	1.14 y	30:33	1.22	70.7		-	-	*			
13C-PCB-37	3.80e+07	1.09 y	30:32	1.72	1090					109	4.12e+06	3.87e+06

PCB-54	*	*	n	NotFnd	1.32	*		776	1240	0.635			
PCB-50	*	*	n	NotFnd	1.10	*		776	1240	0.757			
PCB-53	4.89e+05	0.81	y	27:25	1.08	21.8		-	-	*			
PCB-51	1.70e+05	0.85	y	27:45	1.14	7.20		-	-	*			
PCB-45	3.78e+05	0.79	y	28:09	0.96	19.0		-	-	*			
PCB-46	1.68e+05	0.73	y	28:37	0.92	8.80		-	-	*			
PCB-52	6.23e+06	0.81	y	29:04	1.19	252		-	-	*	Co-elute PCB 69		
PCB-69	6.23e+06	0.81	y	29:04	1.19	252		-	-	*	Co-elute PCB 52		
PCB-73	9.96e+04	0.86	y	29:10	1.39	3.46		-	-	*			
PCB-43	3.12e+06	0.81	y	29:21	1.07	140		-	-	*	Co-elute PCB 49		
PCB-49	3.12e+06	0.81	y	29:21	1.07	140		-	-	*	Co-elute PCB 43		
PCB-47	1.18e+06	0.80	y	29:34	1.09	52.4		-	-	*			
PCB-48	7.86e+05	0.77	y	29:40	1.39	27.2		-	-	*	Co-elute PCB 75		
PCB-75	7.86e+05	0.77	y	29:40	1.39	27.2		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*		776	1240	0.604			
PCB-62	*	*	n	NotFnd	1.39	*		776	1240	0.602			
PCB-44	3.25e+06	0.79	y	30:23	0.93	168		-	-	*			
PCB-42	1.39e+06	0.80	y	30:37	1.19	56.1		-	-	*	Co-elute PCB 59		
PCB-59	1.39e+06	0.80	y	30:37	1.19	56.1		-	-	*	Co-elute PCB 42		
PCB-72	3.68e+06	0.81	y	31:11	1.34	132		-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.68e+06	0.81	y	31:11	1.34	132		-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.68e+06	0.81	y	31:11	1.34	132		-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.68e+06	0.81	y	31:11	1.34	132		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.89e+04	0.68	y	31:21	1.52	1.55	J	-	-	*			
PCB-40	4.74e+05	0.76	y	31:33	0.85	27.0		-	-	*			
PCB-57	5.03e+04	0.72	y	31:53	1.43	1.70	J	-	-	*			
PCB-67	1.87e+05	0.78	y	32:09	1.44	6.27		-	-	*			
PCB-58	*	*	n	NotFnd	1.47	*		776	1240	0.568			
PCB-63	2.23e+05	0.78	y	32:25	1.49	7.22		-	-	*			
PCB-74	2.82e+06	0.82	y	32:41	1.43	94.9		-	-	*			
PCB-61	7.23e+06	0.81	y	32:52	1.34	259		-	-	*	Co-elute PCB 70		
PCB-70	7.23e+06	0.81	y	32:52	1.34	259		-	-	*	Co-elute PCB 61		
PCB-76	5.97e+06	0.80	y	33:05	1.52	189		-	-	*	Co-elute PCB 66		
PCB-66	5.97e+06	0.80	y	33:05	1.52	189		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*		776	1240	0.436			
PCB-55	1.49e+05	0.80	y	33:34	1.59	4.51		-	-	*			
13C-PCB-54	2.07e+07	0.83	y	25:41	1.06	961					96.3	2.78e+06	3.22e+06
PCB-104	*	*	n	NotFnd	1.19	*		372	444	0.501			
PCB-96	5.92e+04	1.55	y	31:24	1.13	3.28		-	-	*			
PCB-103	7.71e+04	1.72	y	31:53	0.97	4.98		-	-	*			
PCB-100	5.01e+04	1.61	y	32:13	0.97	3.22		-	-	*			
PCB-94	2.94e+04	1.49	y	32:40	0.81	2.28		-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*		372	444	0.687	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*		372	444	0.687	Co-elute PCB 98		
PCB-95	6.06e+06	1.56	y	33:09	0.94	403		-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*		372	444	0.661			
PCB-88	9.63e+05	1.55	y	33:32	0.99	61.0		-	-	*	Co-elute PCB 91		
PCB-91	9.63e+05	1.55	y	33:32	0.99	61.0		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*		372	444	0.521			
13C-PCB-104	1.60e+07	1.56	y	30:12	0.89	880					88.1	2.11e+06	1.32e+06
13C-PCB-28	3.78e+07	1.05	y	26:46	1.90	982					98.4	5.15e+06	4.73e+06
13C-PCB-52	2.03e+07	0.81	y	29:02	-	3.98							

PCB-56	4.32e+06	0.82	y	34:03	1.24	125		-	-	*		Co-elute PCB 60	
PCB-60	4.32e+06	0.82	y	34:03	1.24	125		-	-	*		Co-elute PCB 56	
PCB-79	1.77e+05	0.73	y	35:04	1.25	5.05		-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*		980	1080	0.588			
PCB-81	3.16e+05	0.71	y	36:16	1.28	8.94		-	-	*			
13C-PCB-81	2.75e+07	0.79	y	36:12	1.63	1030					103	3.06e+06	3.91e+06
PCB-77	7.35e+05	0.86	y	36:47	1.14	22.9		-	-	*			
13C-PCB-77	2.82e+07	0.79	y	36:46	1.65	1040					104	3.17e+06	3.98e+06
PCB-155	*	*	n	NotFnd	1.10	*		656	376	0.531			
PCB-150	4.08e+04	1.20	y	35:30	1.03	2.27		-	-	*			
PCB-152	*	*	n	NotFnd	1.02	*		656	376	0.573			
PCB-145	*	*	n	NotFnd	1.03	*		656	376	0.568			
PCB-136	1.72e+06	1.30	y	36:41	0.97	101		-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*		656	376	0.727			
PCB-154	1.72e+05	1.33	y	37:15	0.87	11.2		-	-	*			
13C-PCB-155	1.75e+07	1.31	y	34:18	1.12	949					95.1	2.52e+06	1.89e+06
13C-PCB-111	1.95e+07	1.62	y	36:22	1.26	948					95.0	3.19e+06	1.99e+06
13C-PCB-101	1.64e+07	1.60	y	34:43	-	3.58							
PCB-84	3.94e+06	1.56	y	34:24	0.73	215		-	-	*		Co-elute PCB 92	
PCB-92	3.94e+06	1.56	y	34:24	0.73	215		-	-	*		Co-elute PCB 84	
PCB-89	8.88e+04	1.42	y	34:35	0.73	4.86		-	-	*			
PCB-90	1.07e+07	1.55	y	34:45	0.81	525		-	-	*		Co-elute PCB 101	
PCB-101	1.07e+07	1.55	y	34:45	0.81	525		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*		1050	940	0.928			
PCB-99	4.49e+06	1.52	y	35:04	0.91	197		-	-	*			
PCB-119	2.51e+05	1.42	y	35:30	1.04	9.57		-	-	*			
PCB-83	4.66e+05	1.51	y	35:40	0.80	23.1		-	-	*		Co-elute PCB 112	
PCB-112	4.66e+05	1.51	y	35:40	0.80	23.1		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*		1050	940	0.840			
PCB-97	2.81e+06	1.55	y	35:59	0.69	163		-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*		1050	940	1.23			
PCB-125	4.60e+06	1.56	y	36:16	0.93	197		-	-	*		Co-elute PCB 87/117	
PCB-87	4.60e+06	1.56	y	36:16	0.93	197		-	-	*		Co-elute PCB 125/117	
PCB-117	4.60e+06	1.56	y	36:16	0.93	197		-	-	*		Co-elute PCB 125/87	
PCB-111	2.48e+05	1.48	y	36:25	1.01	9.73		-	-	*		Co-elute PCB 115	
PCB-115	2.48e+05	1.48	y	36:25	1.01	9.73		-	-	*		Co-elute PCB 111	
PCB-85	1.60e+06	1.55	y	36:31	0.86	74.3		-	-	*		Co-elute PCB 116	
PCB-116	1.60e+06	1.55	y	36:31	0.86	74.3		-	-	*		Co-elute PCB 85	
PCB-120	4.23e+04	1.49	y	36:45	1.07	1.58	J	-	-	*			
PCB-110	1.37e+07	1.57	y	36:52	0.95	571		-	-	*			
PCB-82	9.49e+05	1.60	y	37:29	0.60	62.6		-	-	*			
PCB-124	7.74e+05	1.46	y	38:08	1.26	24.4		-	-	*			
PCB-108	1.10e+06	1.57	y	38:17	1.19	36.7		-	-	*		Co-elute PCB 107	
PCB-107	1.10e+06	1.57	y	38:17	1.19	36.7		-	-	*		Co-elute PCB 108	
PCB-123	2.45e+05	1.64	y	38:26	1.12	9.17		-	-	*			
13C-PCB-123	2.38e+07	1.60	y	38:24	1.36	996					99.8	3.76e+06	2.40e+06
PCB-118	1.44e+07	1.63	y	38:36	1.16	475		-	-	*		Co-elute PCB 106	
PCB-106	1.44e+07	1.63	y	38:36	1.16	475		-	-	*		Co-elute PCB 118	
13C-PCB-118	2.60e+07	1.60	y	38:34	1.43	1040					104	3.58e+06	2.24e+06
PCB-114	3.74e+05	1.48	y	39:13	1.27	11.4		-	-	*			
13C-PCB-114	2.58e+07	1.62	y	39:12	1.36	1080					108	3.96e+06	2.48e+06
PCB-122	2.00e+05	1.67	y	39:20	1.13	7.01		-	-	*			
PCB-105	6.21e+06	1.62	y	40:01	1.26	199		-	-	*			
13C-PCB-105	2.47e+07	1.61	y	40:01	1.35	1040					104	3.60e+06	2.24e+06

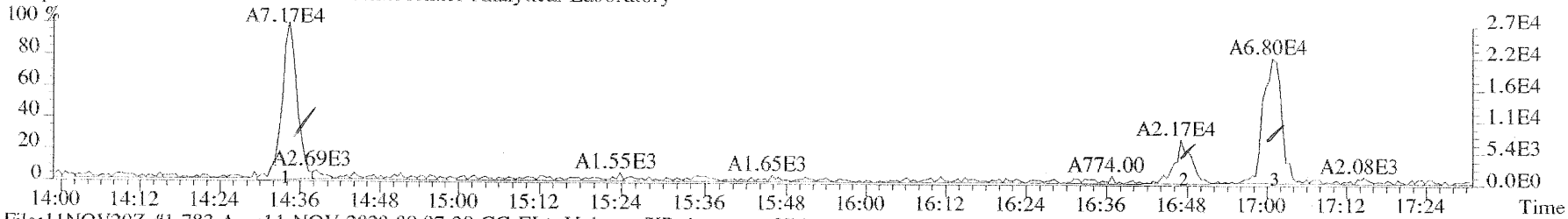
PCB-127	*	*	n	NotFnd	1.14	*	1080	900	0.713				
PCB-126	8.16e+04	1.58	y	42:10	1.19	2.78	-	-	*				
13C-PCB-126	2.45e+07	1.60	y	42:08	1.33	1050				105	3.73e+06	2.32e+06	
PCB-151	2.73e+06	1.24	y	37:53	0.91	149	-	-	*				
PCB-135	1.63e+06	1.27	y	38:04	0.92	87.6	-	-	*				
PCB-144	7.53e+05	1.38	y	38:11	0.91	40.8	-	-	*				
PCB-147	3.39e+05	1.35	y	38:19	0.96	17.5	-	-	*				
PCB-139	1.11e+07	1.24	y	38:32	0.99	553	-	-	*				Co-elute PCB 149
PCB-149	1.11e+07	1.24	y	38:32	0.99	553	-	-	*				Co-elute PCB 139
PCB-140	1.07e+05	1.41	y	38:44	0.96	5.49	-	-	*				
PCB-143	8.13e+05	1.27	y	39:10	0.81	49.8	-	-	*				Co-elute PCB 134
PCB-134	8.13e+05	1.27	y	39:10	0.81	49.8	-	-	*				Co-elute PCB 143
PCB-131	4.09e+05	1.36	y	39:25	0.81	25.1	-	-	*				Co-elute PCB 133
PCB-133	4.09e+05	1.36	y	39:25	0.81	25.1	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.82	*	910	788	0.990				
PCB-165	2.16e+06	1.26	y	39:48	1.06	101	-	-	*				Co-elute PCB 146
PCB-146	2.16e+06	1.26	y	39:48	1.06	101	-	-	*				Co-elute PCB 165
PCB-161	4.77e+06	1.23	y	40:03	1.02	232	-	-	*				Co-elute PCB 132
PCB-132	4.77e+06	1.23	y	40:03	1.02	232	-	-	*				Co-elute PCB 161
PCB-153	1.43e+07	1.26	y	40:09	1.06	668	-	-	*				
PCB-168	*	*	n	NotFnd	1.17	*	910	788	0.691				
PCB-141	2.57e+06	1.25	y	40:52	0.91	139	-	-	*				
PCB-137	8.68e+05	1.18	y	41:14	0.96	44.6	-	-	*				
PCB-130	9.03e+05	1.25	y	41:20	0.78	57.6	-	-	*				
PCB-138	1.80e+07	1.27	y	41:40	1.10	808	-	-	*				Co-elute PCB 163/164
PCB-163	1.80e+07	1.27	y	41:40	1.10	808	-	-	*				Co-elute PCB 138/164
PCB-164	1.80e+07	1.27	y	41:40	1.10	808	-	-	*				Co-elute PCB 138/163
PCB-158	2.28e+06	1.24	y	41:53	1.22	92.9	-	-	*				Co-elute PCB 160
PCB-160	2.28e+06	1.24	y	41:53	1.22	92.9	-	-	*				Co-elute PCB 158
PCB-129	6.88e+05	1.22	y	42:08	0.79	42.8	-	-	*				
PCB-166	9.62e+04	1.24	y	42:34	1.19	3.99	-	-	*				
PCB-159	1.56e+05	1.16	y	42:57	1.32	5.85	-	-	*				
PCB-128	2.84e+06	1.28	y	43:09	1.06	133	-	-	*				Co-elute PCB 162
PCB-162	2.84e+06	1.28	y	43:09	1.06	133	-	-	*				Co-elute PCB 128
PCB-167	9.06e+05	1.35	y	43:32	1.19	37.2	-	-	*				
13C-PCB-167	2.04e+07	1.28	y	43:30	1.17	996				99.8	2.94e+06	2.26e+06	
PCB-156	2.42e+06	1.26	y	44:44	1.28	93.1	-	-	*				
13C-PCB-156	2.02e+07	1.28	y	44:44	1.16	994				99.6	2.60e+06	2.04e+06	
PCB-157	5.18e+05	1.21	y	45:01	1.22	20.8	-	-	*				
13C-PCB-157	2.03e+07	1.28	y	44:59	1.18	978				98.0	2.93e+06	2.32e+06	
PCB-169	*	*	n	NotFnd	1.14	*	910	788	0.608				
13C-PCB-169	1.97e+07	1.28	y	46:49	1.19	939				94.1	3.42e+06	2.69e+06	

FAL ID: 13416-001-0001-SA Filename: 11NOV20Z Sam:4 Acquired: 11-NOV-20 09:07:38 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CA-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.02

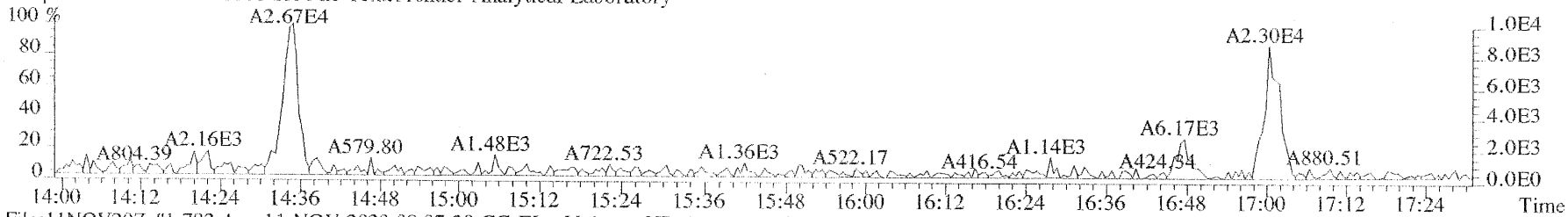
PCB-188	*	*	n	NotFnd	1.15	*	610	512	0.581			
13C-PCB-188	1.66e+07	1.10	y	39:48	0.96	989				99.1	2.16e+06	2.01e+06
PCB-184	*	*	n	NotFnd	1.26	*	610	512	0.528			
PCB-179	1.51e+06	1.03	y	40:59	1.19	79.1	-	-	*			
PCB-176	4.81e+05	1.09	y	41:25	1.16	25.9	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	610	512	0.562			
PCB-178	5.46e+05	1.08	y	42:28	0.86	39.5	-	-	*			
PCB-175	1.27e+05	1.21	y	42:47	0.92	8.57	-	-	*			
PCB-187	3.59e+06	1.05	y	42:56	0.99	225	-	-	*		Co-elute PCB 182	
PCB-182	3.59e+06	1.05	y	42:56	0.99	225	-	-	*		Co-elute PCB 187	
PCB-183	1.85e+06	1.08	y	43:14	0.96	120	-	-	*			
PCB-185	3.35e+05	1.09	y	43:52	0.91	22.9	-	-	*			
PCB-174	2.63e+06	1.05	y	44:13	0.94	174	-	-	*			
PCB-181	*	*	n	NotFnd	0.92	*	610	512	0.720			
PCB-177	1.54e+06	1.07	y	44:28	0.86	111	-	-	*			
PCB-171	8.36e+05	1.11	y	44:44	0.89	58.4	-	-	*			
PCB-173	6.73e+04	1.18	y	45:09	0.82	5.11	-	-	*			
PCB-172	4.73e+05	1.15	y	45:32	0.87	34.1	-	-	*			
PCB-192	*	*	n	NotFnd	1.11	*	610	512	0.601			
PCB-180	6.24e+06	1.05	y	45:53	0.86	452	-	-	*			
PCB-193	4.24e+05	1.13	y	46:03	1.16	22.7	-	-	*			
PCB-191	1.68e+05	1.14	y	46:15	1.14	9.15	-	-	*			
PCB-170	2.86e+06	1.04	y	47:09	0.85	208	-	-	*			
PCB-190	7.68e+05	1.03	y	47:19	1.10	43.5	-	-	*			
PCB-189	1.62e+05	1.07	y	48:30	1.08	9.68	-	-	*			
13C-PCB-189	1.55e+07	1.10	y	48:30	0.95	928				93.0	2.28e+06	1.97e+06
PCB-202	3.22e+05	0.92	y	44:56	1.05	23.9	-	-	*			
PCB-201	2.35e+05	0.83	y	45:22	1.15	15.9	-	-	*			
PCB-204	*	*	n	NotFnd	1.17	*	404	426	0.553			
PCB-197	7.91e+04	0.89	y	45:47	1.17	5.28	-	-	*			
PCB-200	2.14e+05	0.88	y	46:31	1.16	14.4	-	-	*			
PCB-198	7.18e+04	0.89	y	47:40	0.81	6.90	-	-	*			
PCB-199	1.25e+06	0.94	y	47:45	0.83	118	-	-	*			
PCB-203	1.63e+06	0.93	y	48:00	0.90	141	-	-	*		Co-elute PCB 196	
PCB-196	1.63e+06	0.93	y	48:00	0.90	141	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.28e+07	0.90	y	44:54	0.80	915				91.6	1.49e+06	1.70e+06
13C-PCB-178	1.20e+07	1.09	y	42:26	0.76	897				89.9	1.60e+06	1.38e+06
13C-PCB-138	1.75e+07	1.29	y	41:38	-	3.63						
PCB-195	8.21e+05	0.94	y	49:06	0.91	43.7	-	-	*			
PCB-194	2.23e+06	0.90	y	49:53	0.93	115	-	-	*			
PCB-205	1.58e+05	0.84	y	50:08	1.16	6.55	-	-	*			
13C-PCB-205	2.07e+07	0.89	y	50:08	1.26	988				99.0	3.31e+06	3.57e+06
PCB-208	3.07e+05	1.39	y	49:13	1.13	15.2	-	-	*			
13C-PCB-208	1.79e+07	0.80	y	49:13	1.06	1020				102	2.62e+06	3.14e+06
PCB-207	1.68e+05	1.36	y	49:31	1.31	8.36	-	-	*			
PCB-206	9.38e+05	1.34	y	51:20	1.15	63.3	-	-	*			
13C-PCB-206	1.28e+07	0.80	y	51:19	0.81	959				96.1	1.91e+06	2.47e+06
PCB-209	4.22e+05	1.14	y	52:31	1.24	25.6	-	-	*			
13C-PCB-209	1.33e+07	1.20	y	52:31	0.87	917				91.9	2.30e+06	1.88e+06
13C-PCB-194	1.66e+07	0.91	y	49:53	-	3.67						

Analyst: _____ Date: 11/11/20

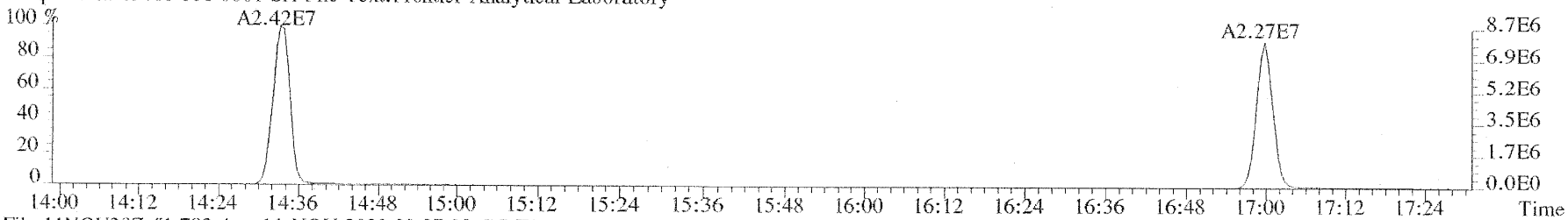
File:11NOV20Z #1-783 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



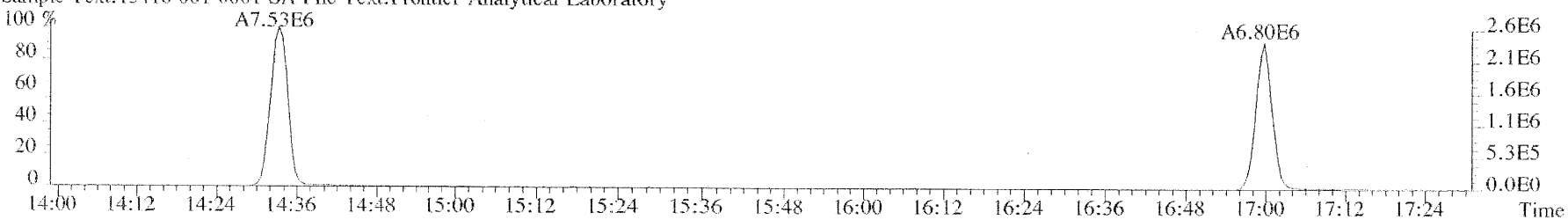
File:11NOV20Z #1-783 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



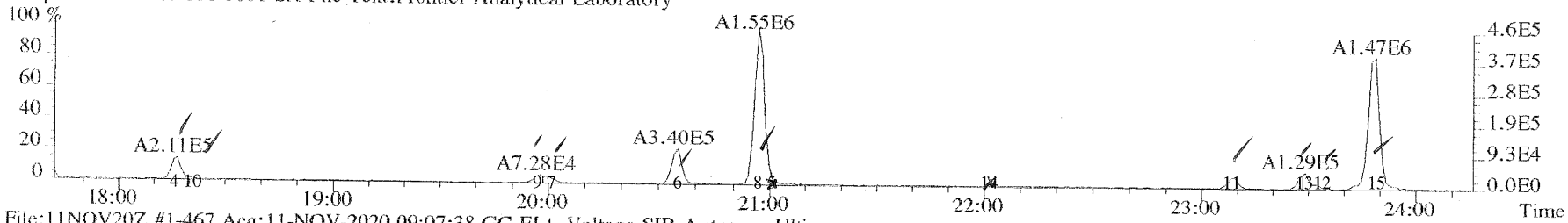
File:11NOV20Z #1-783 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



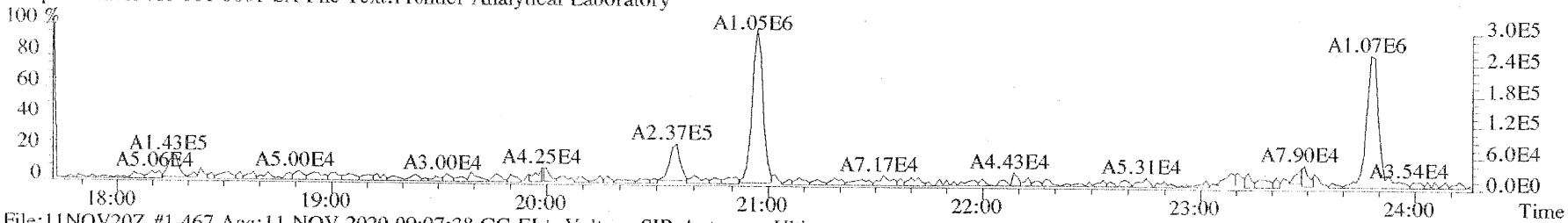
File:11NOV20Z #1-783 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



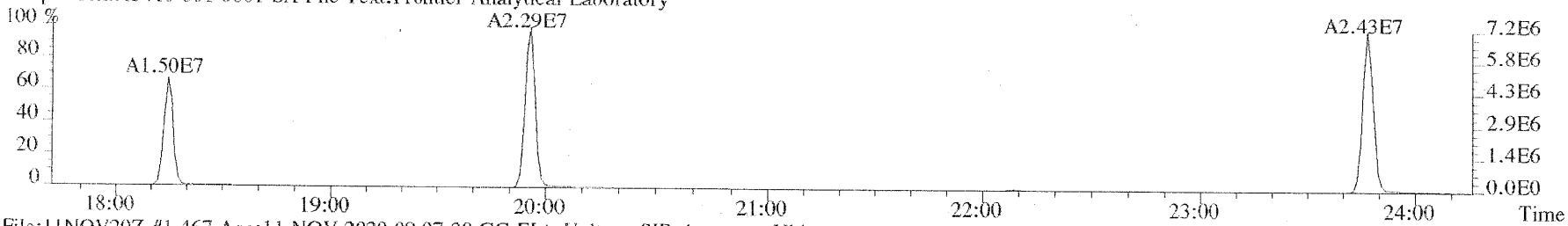
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



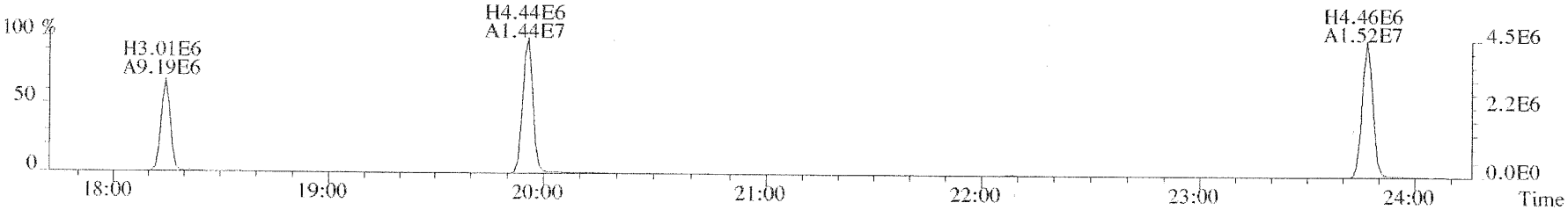
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



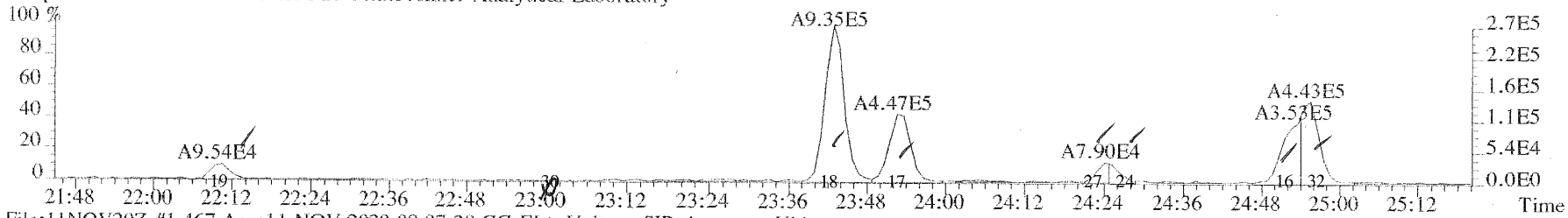
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



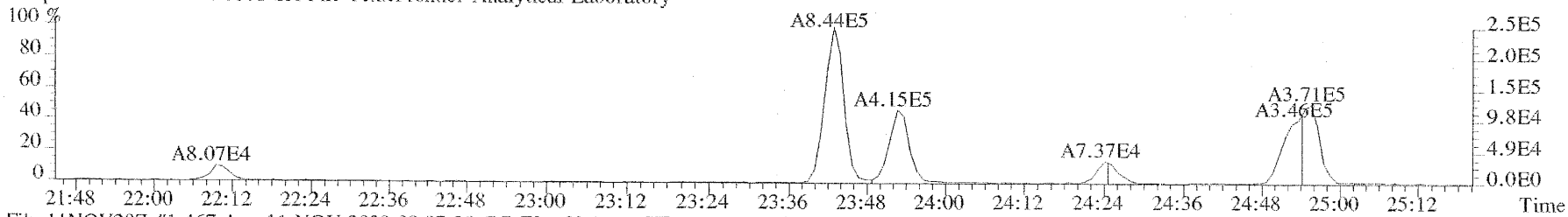
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



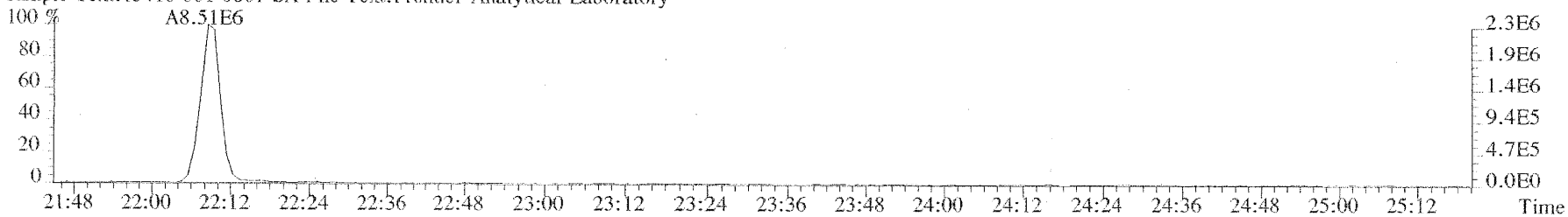
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



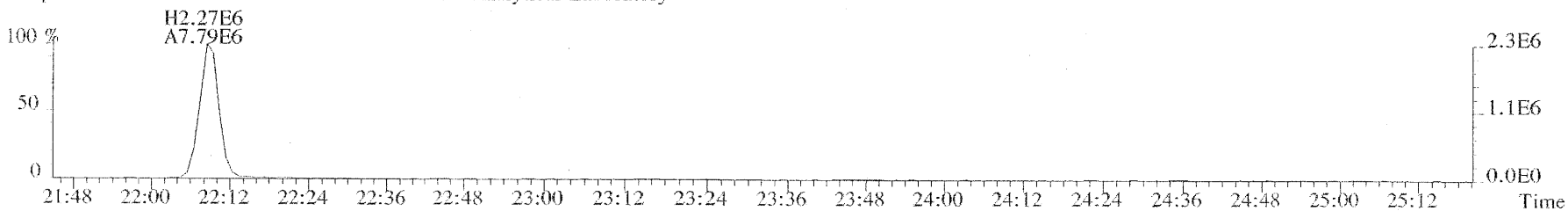
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



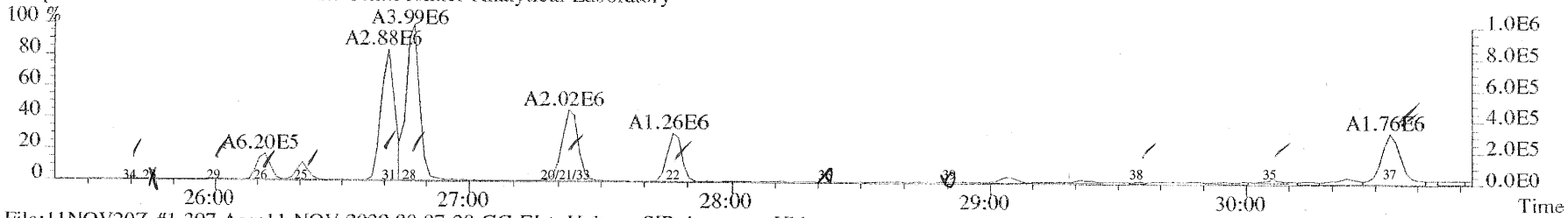
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



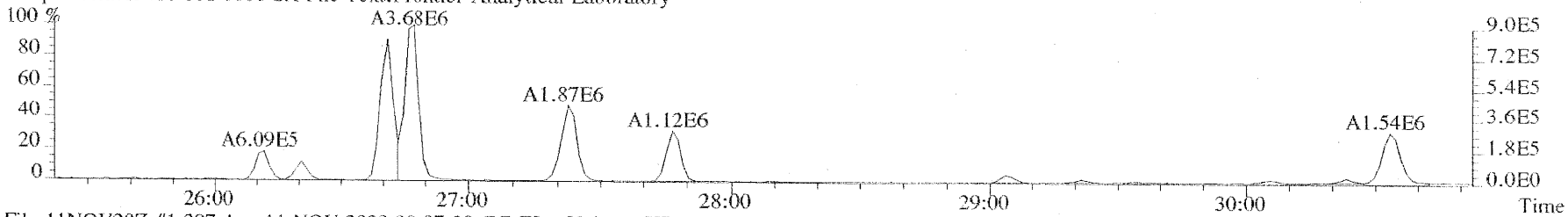
File:11NOV20Z #1-467 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



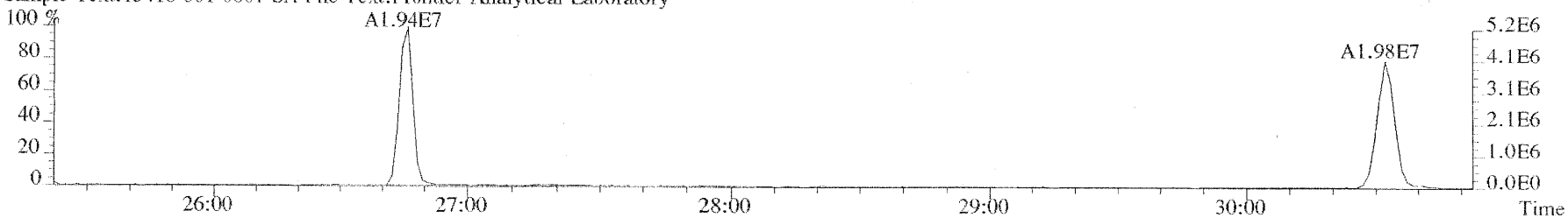
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



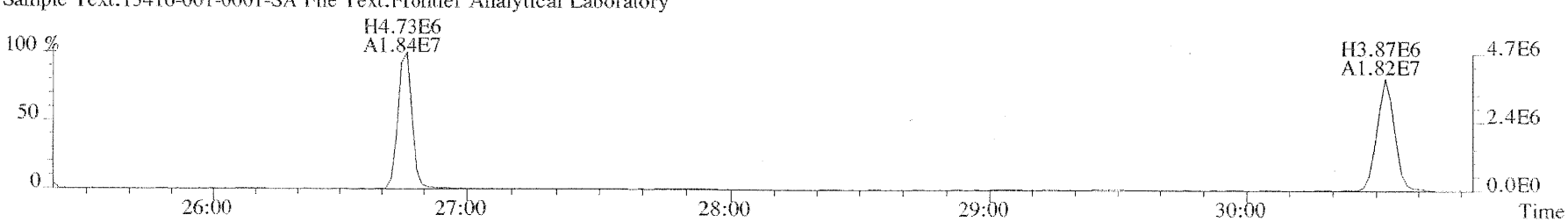
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



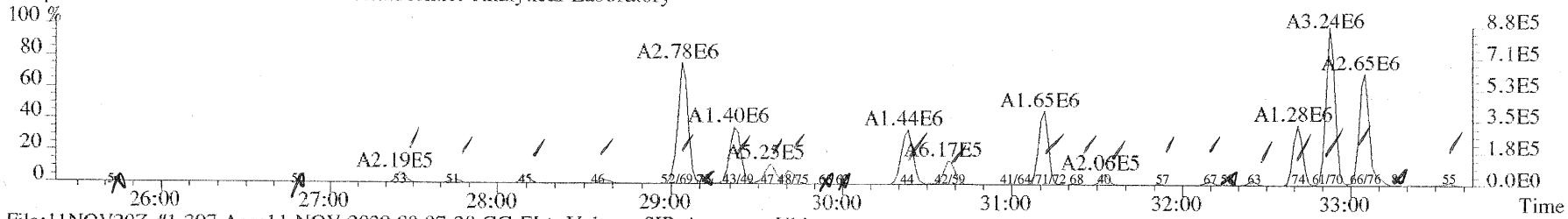
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



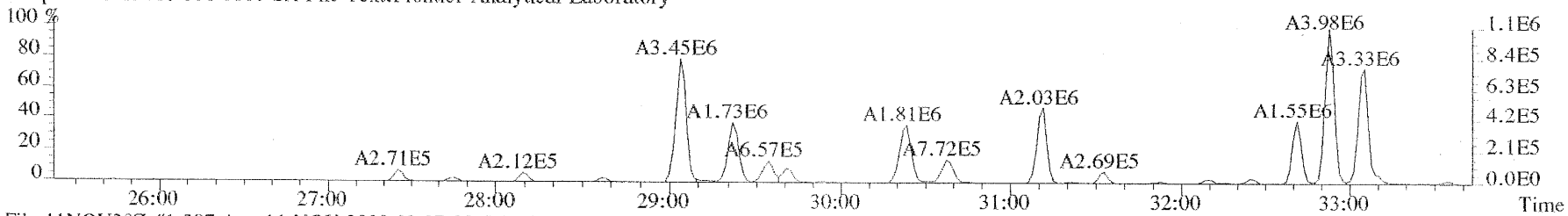
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



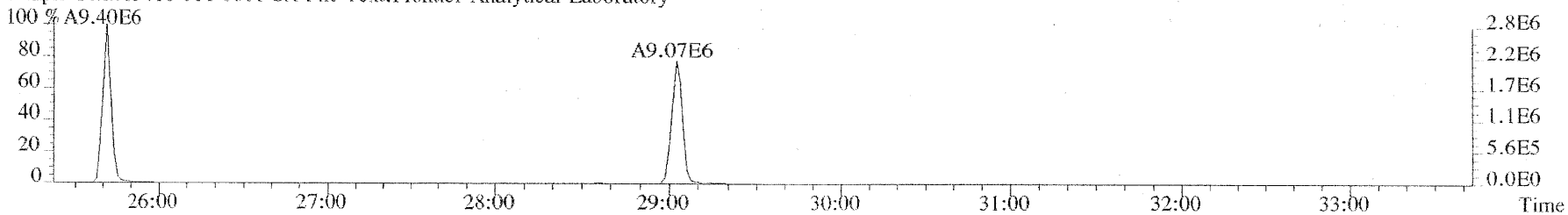
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



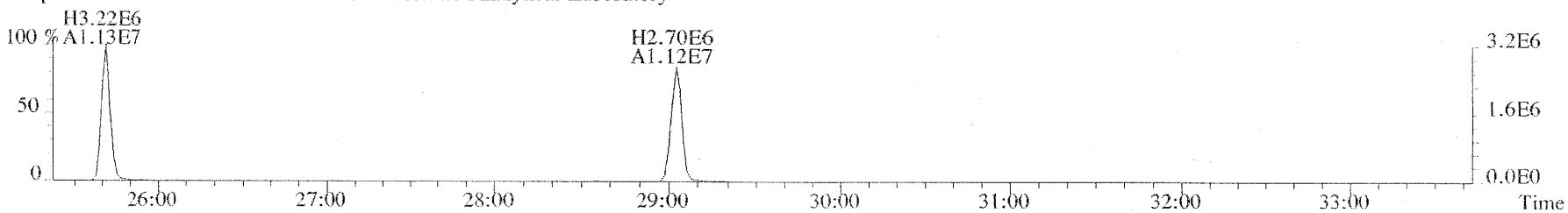
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



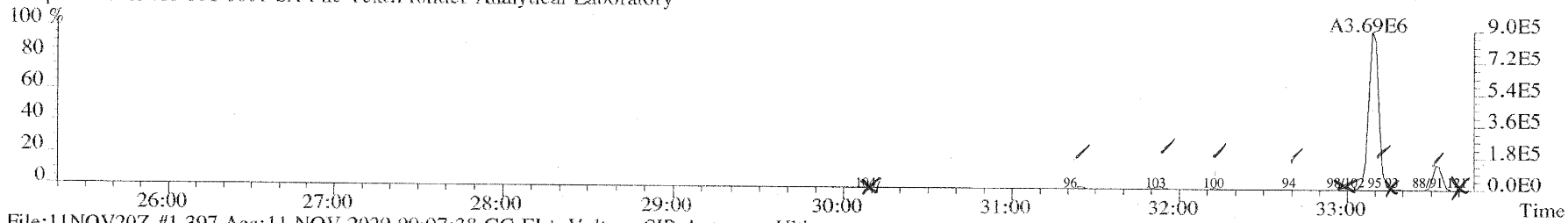
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



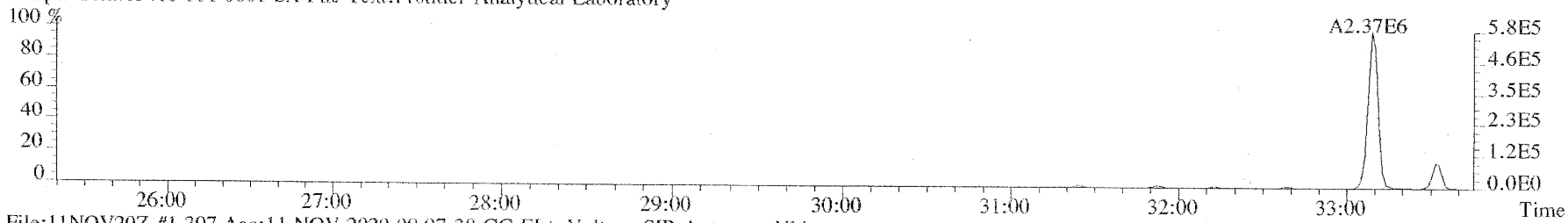
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



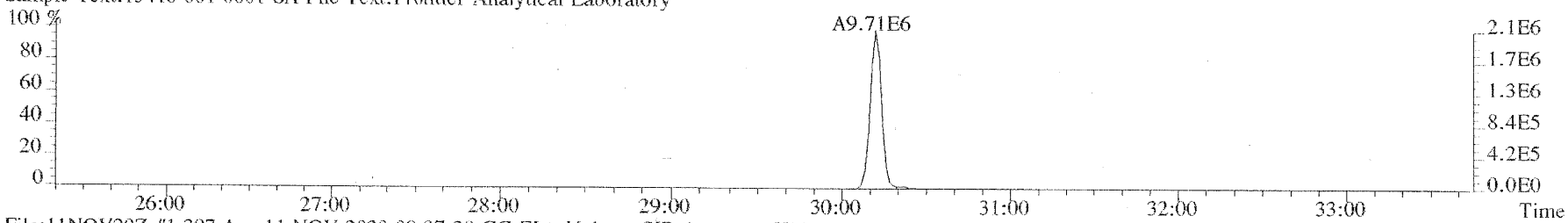
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



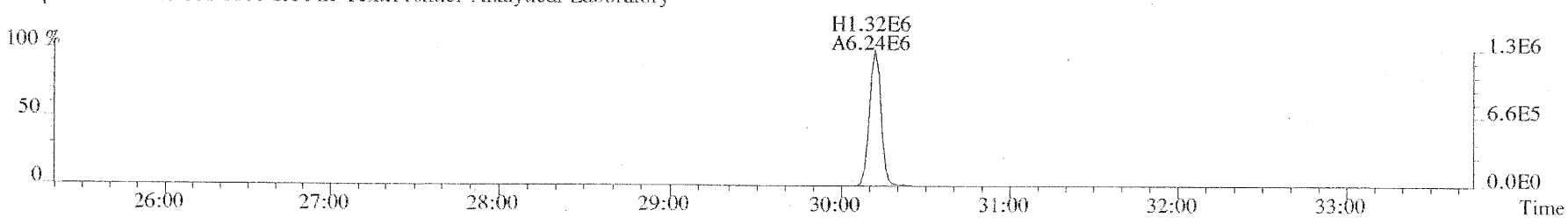
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



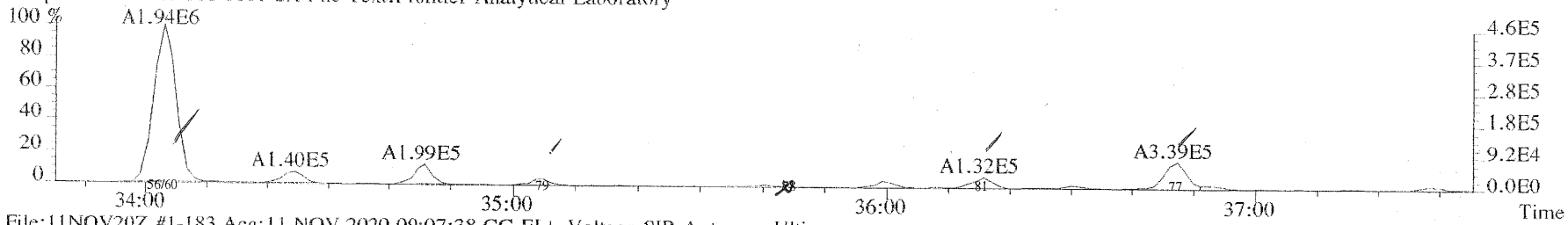
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



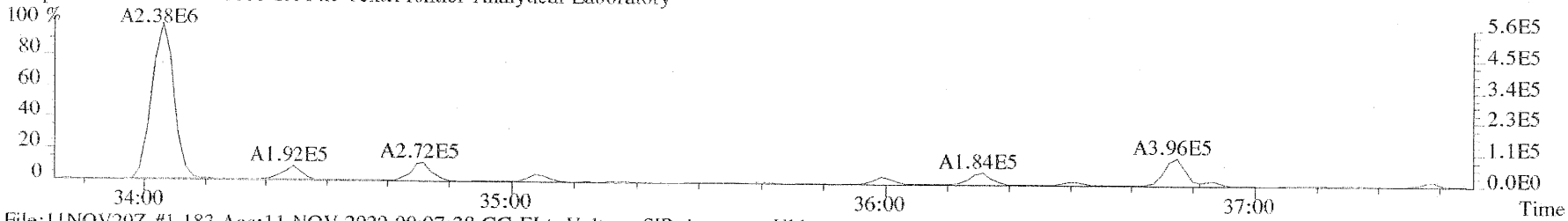
File:11NOV20Z #1-397 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



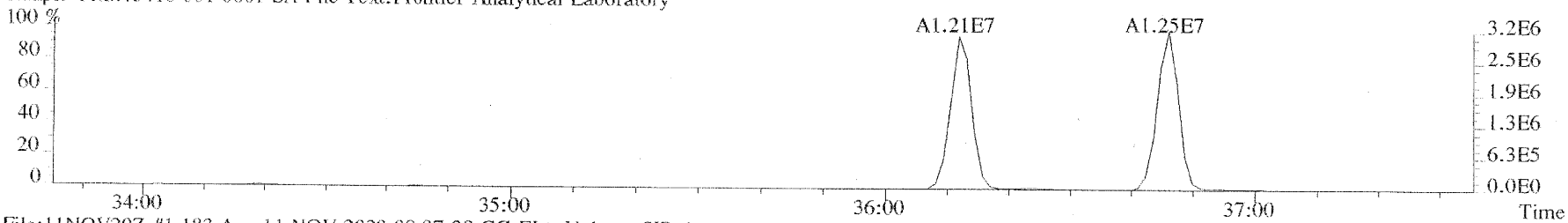
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



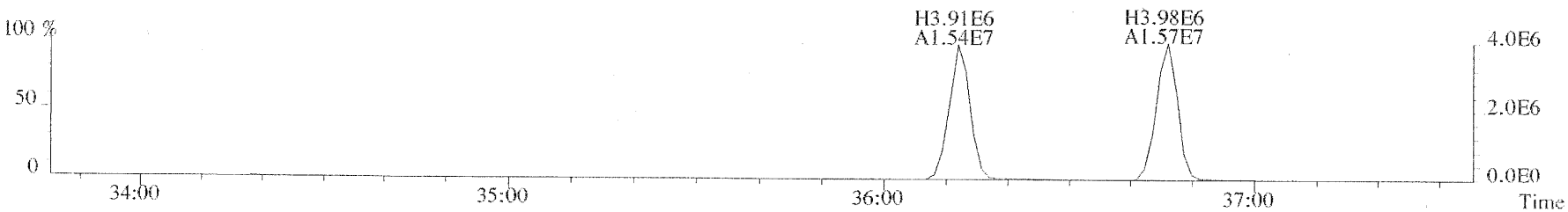
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



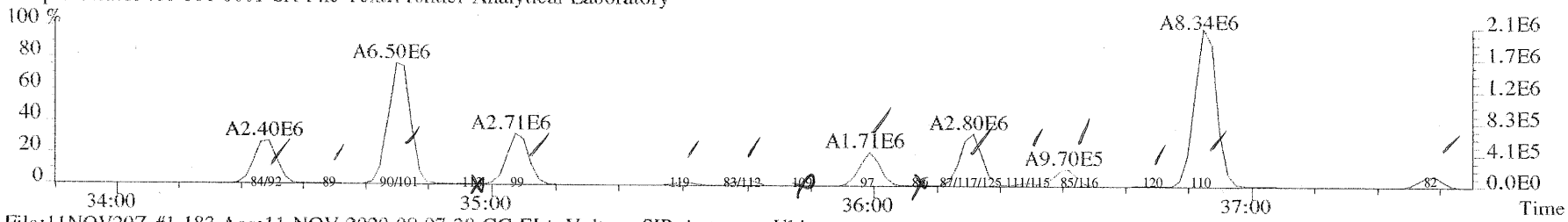
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



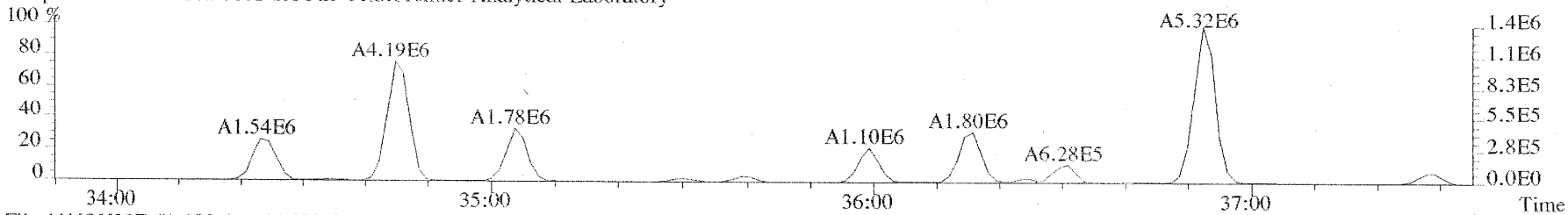
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



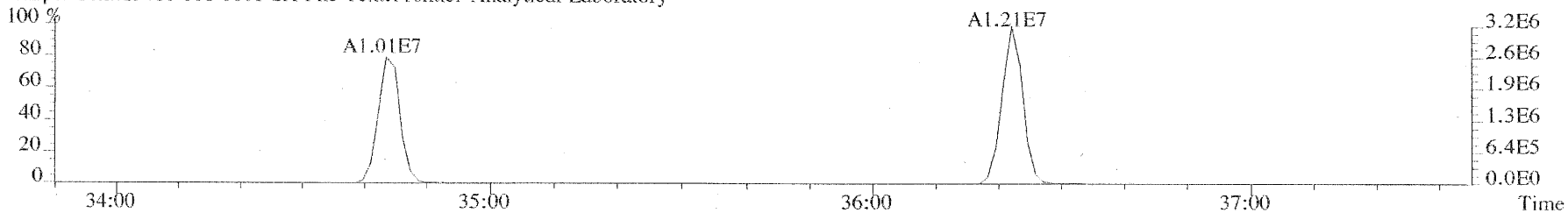
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



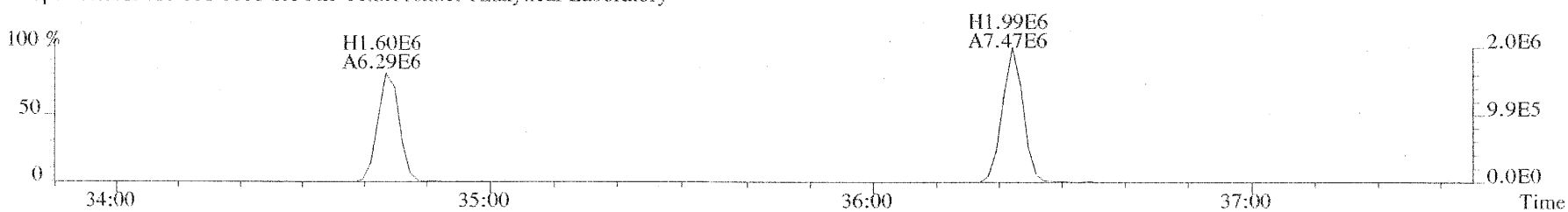
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



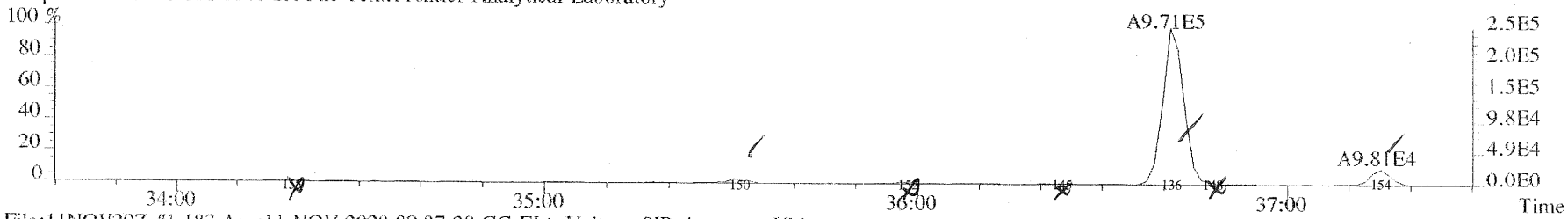
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



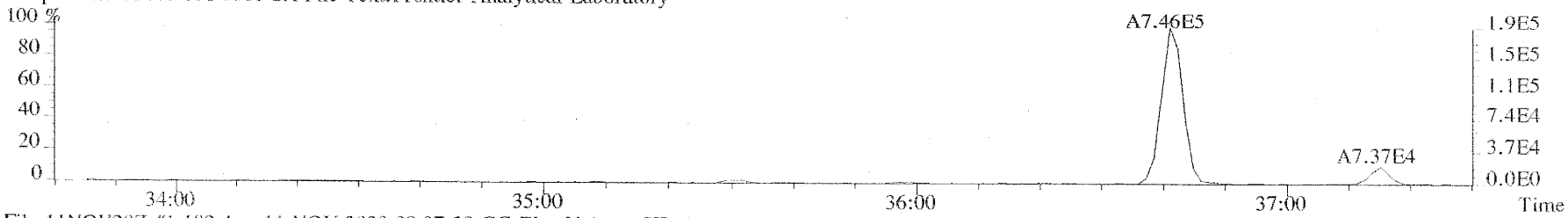
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



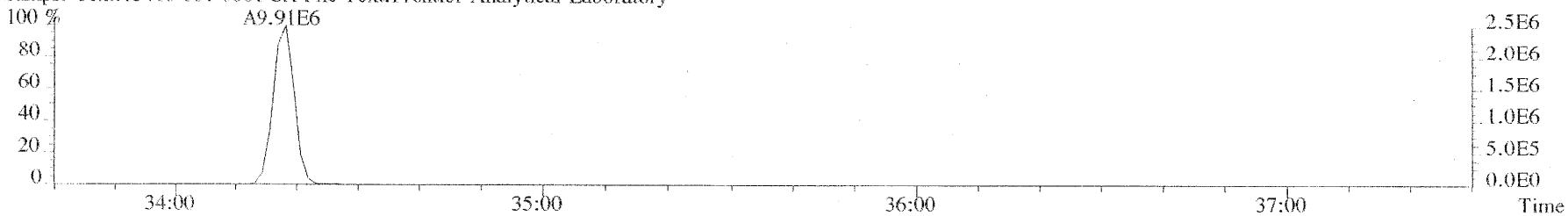
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



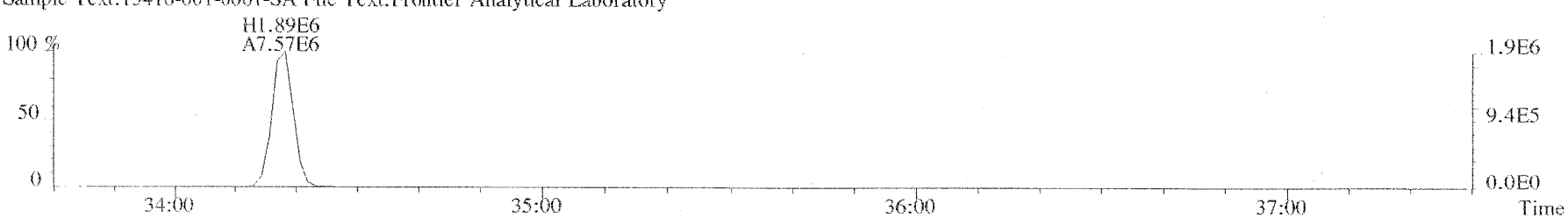
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



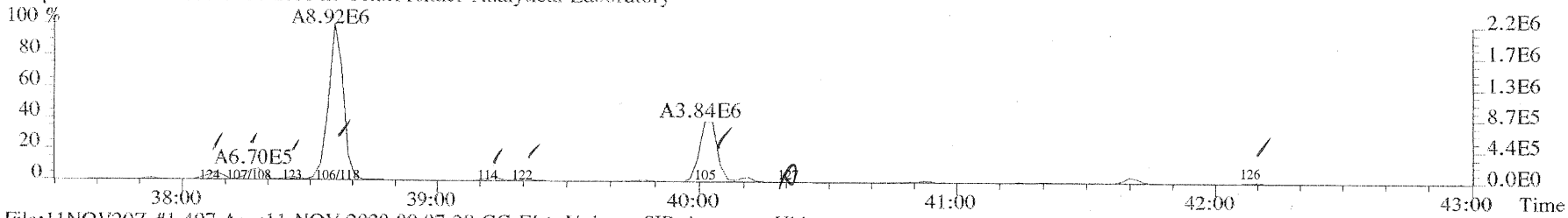
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



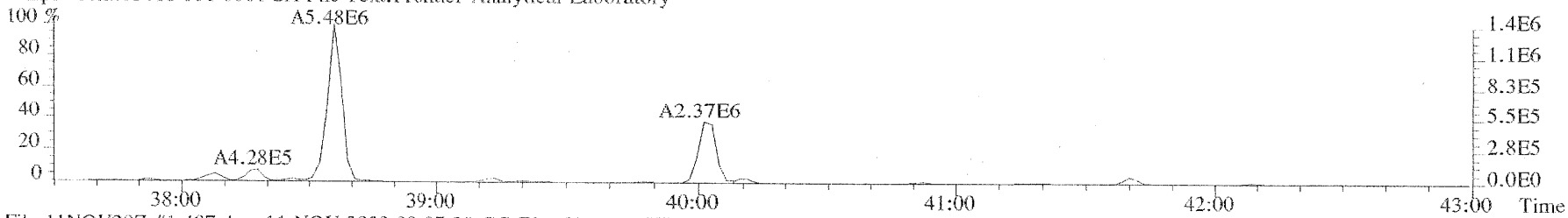
File:11NOV20Z #1-183 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



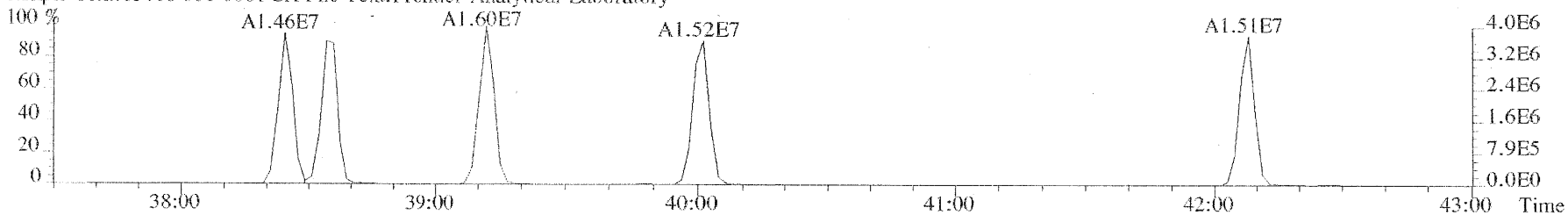
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



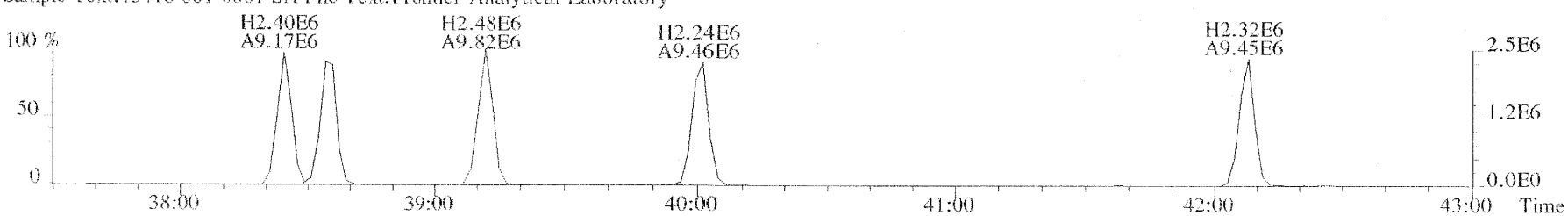
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



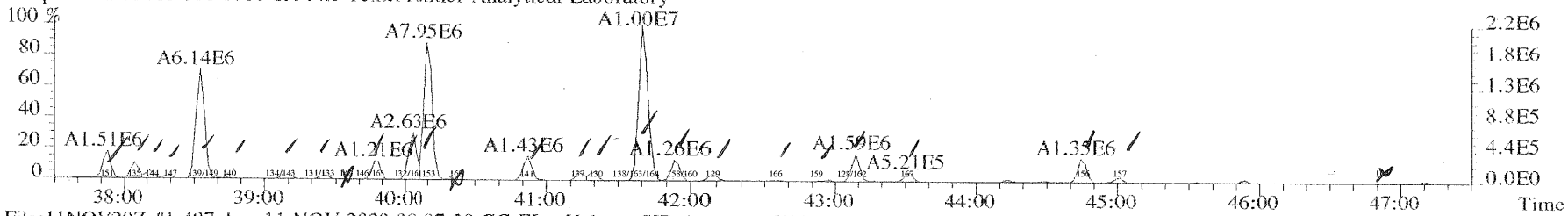
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



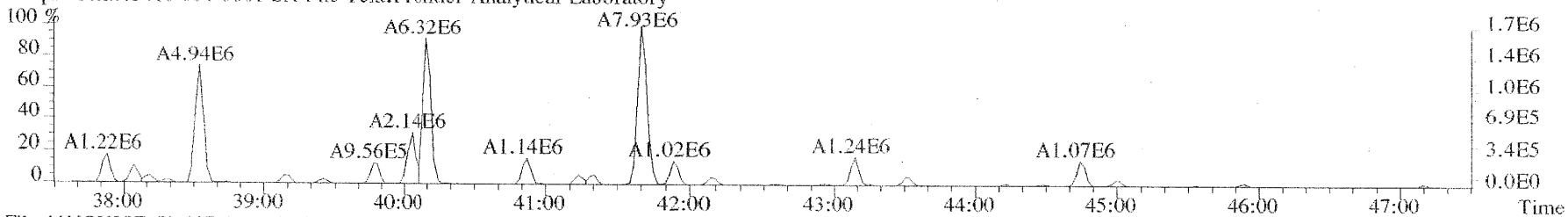
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



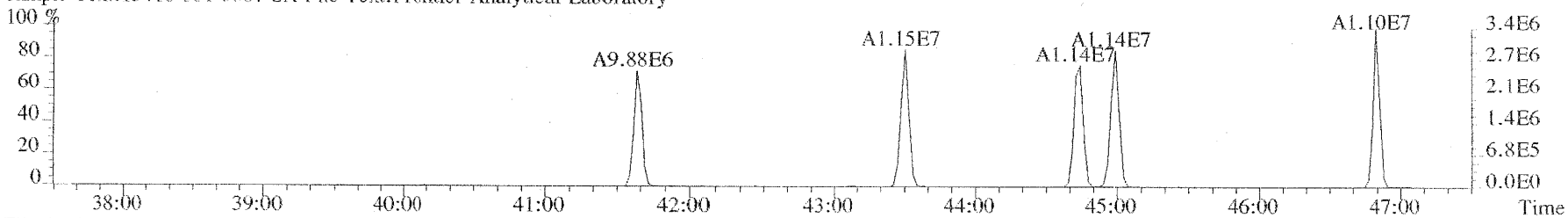
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



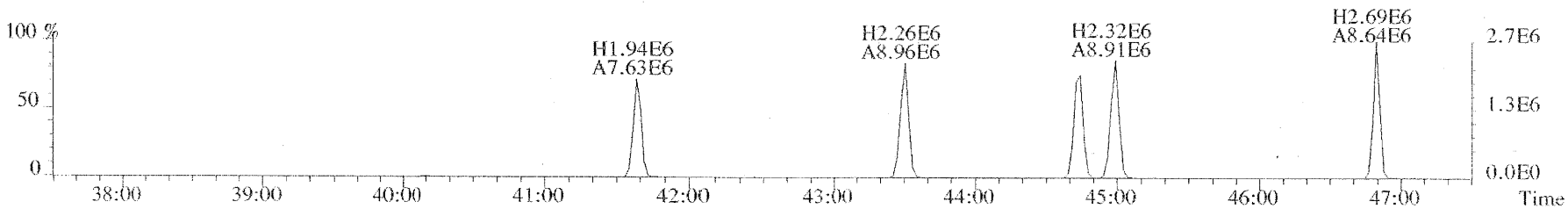
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



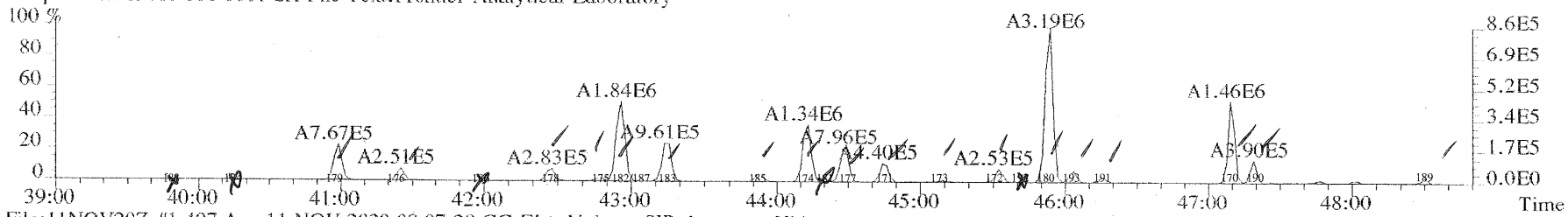
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



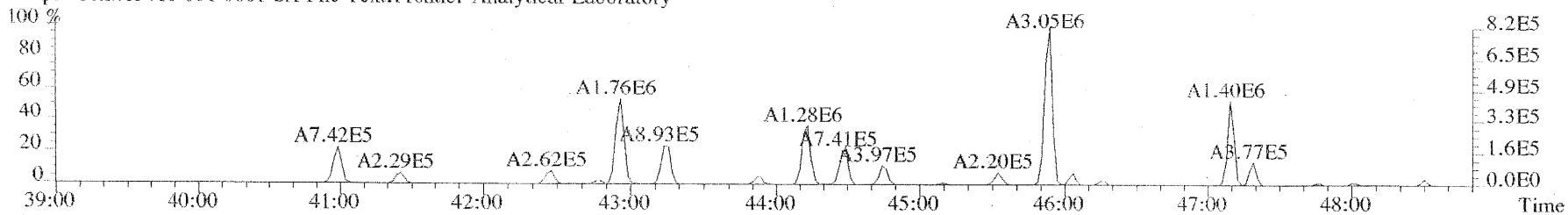
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



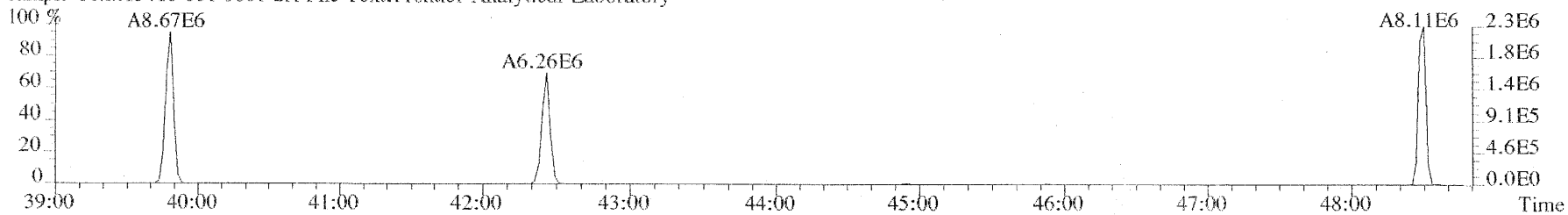
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



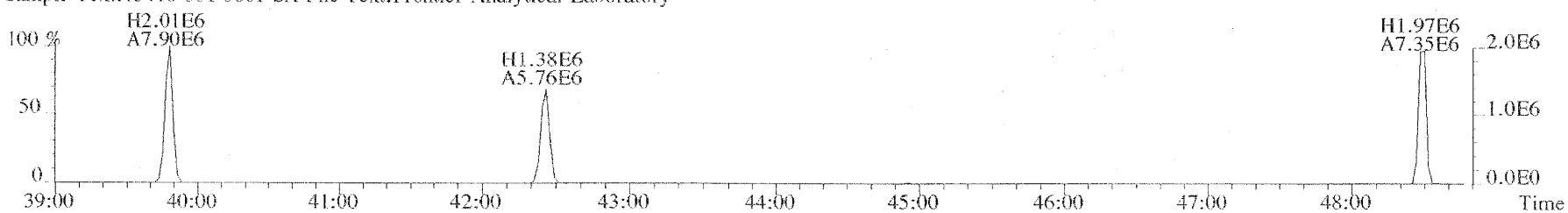
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



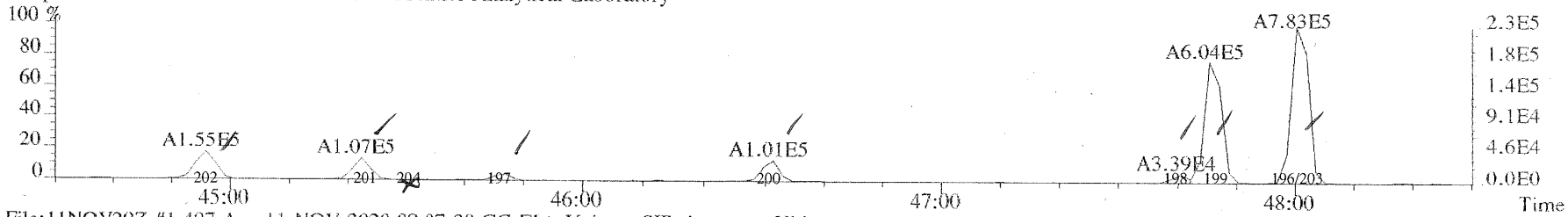
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



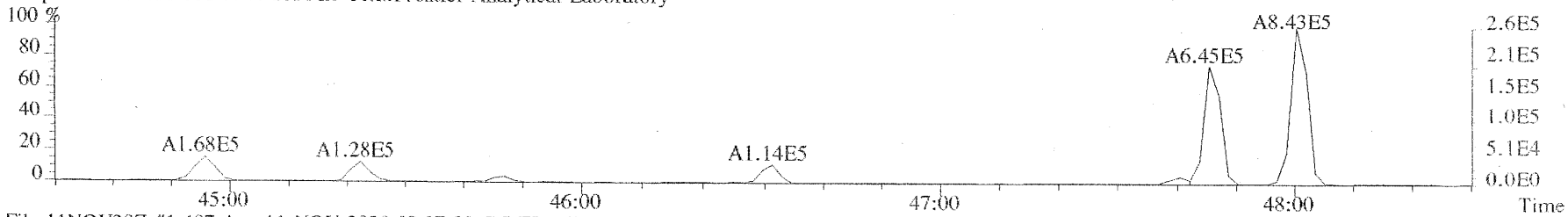
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



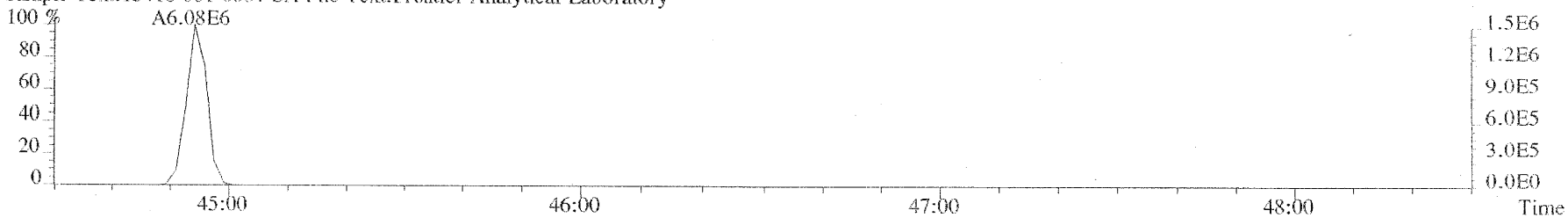
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



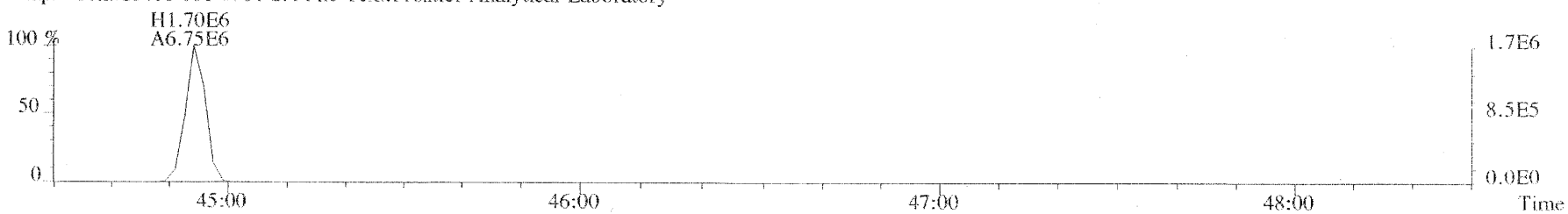
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



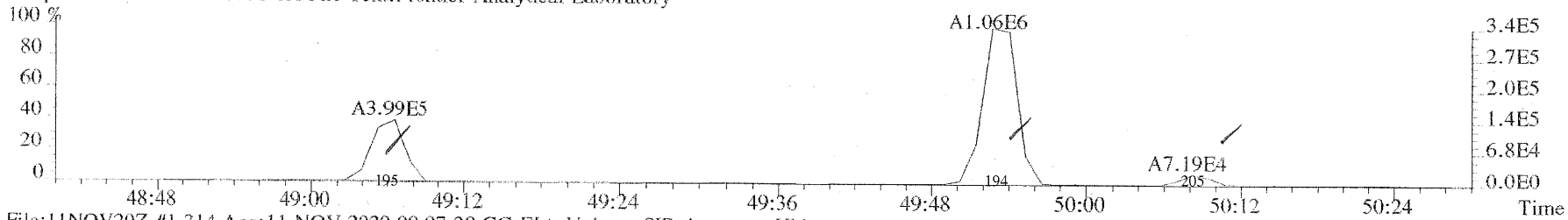
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



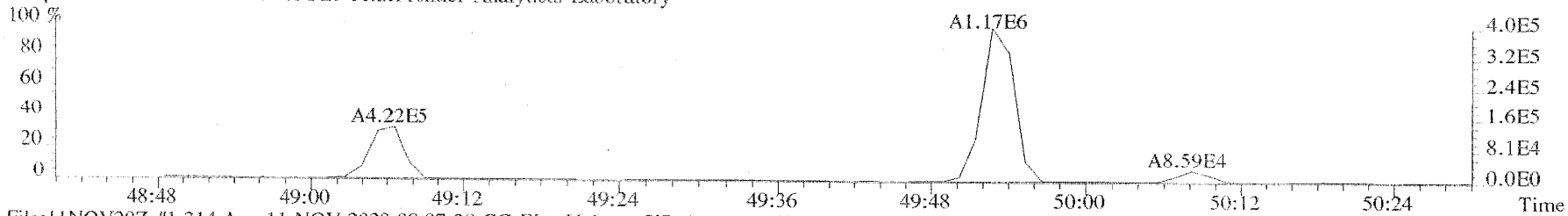
File:11NOV20Z #1-407 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



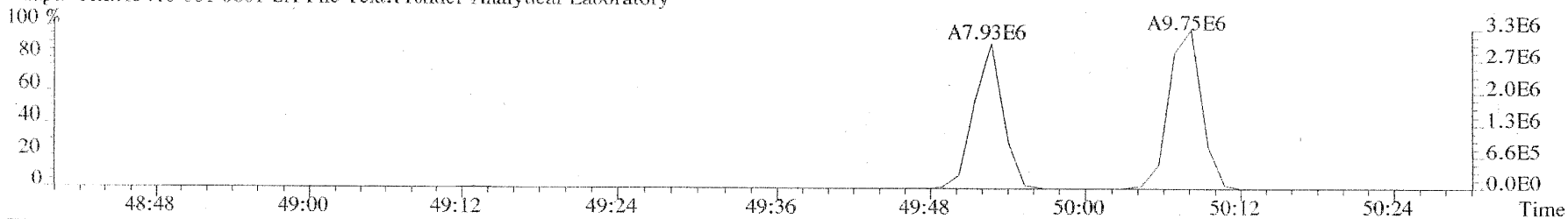
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



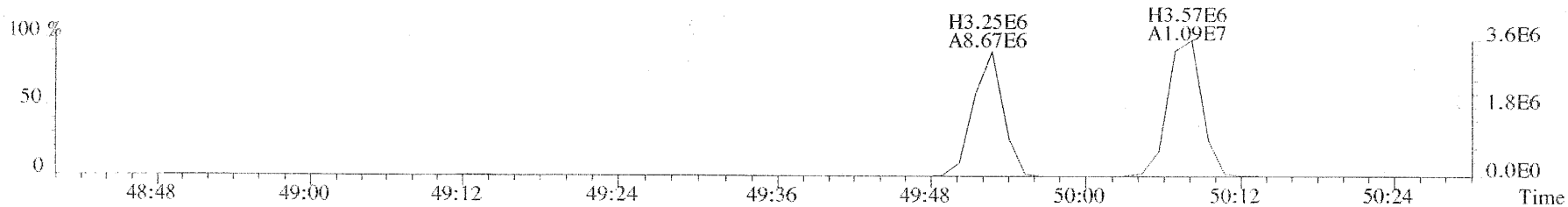
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



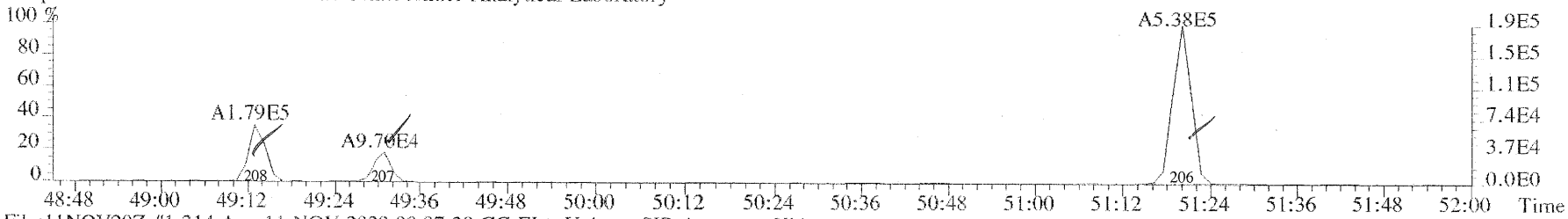
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



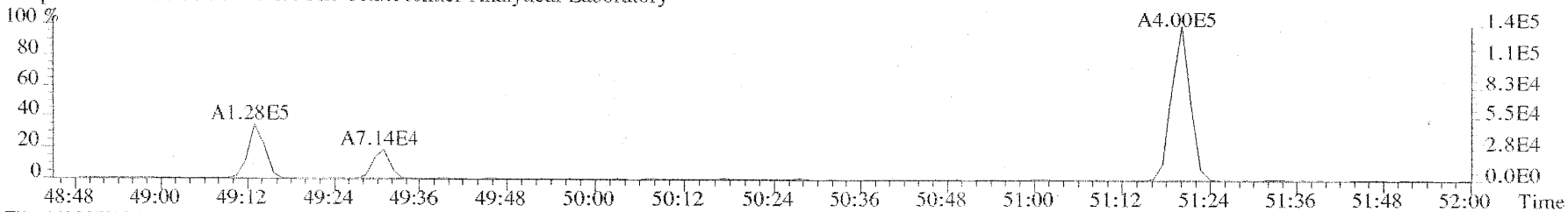
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



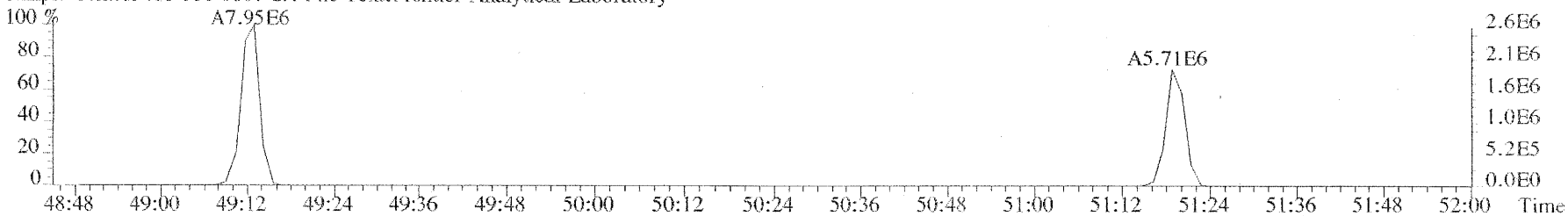
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



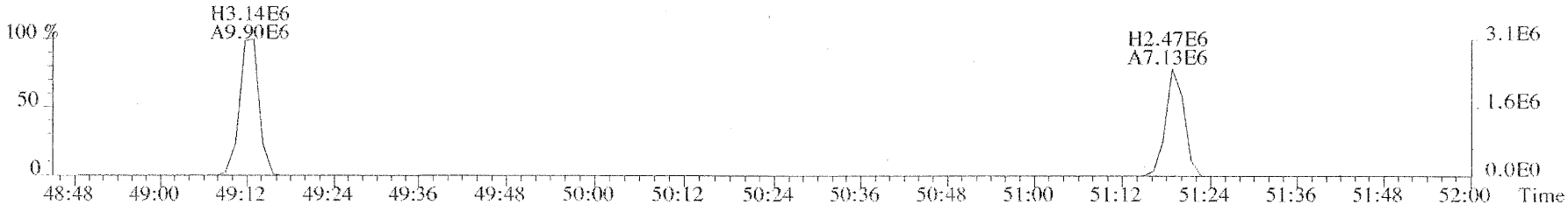
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



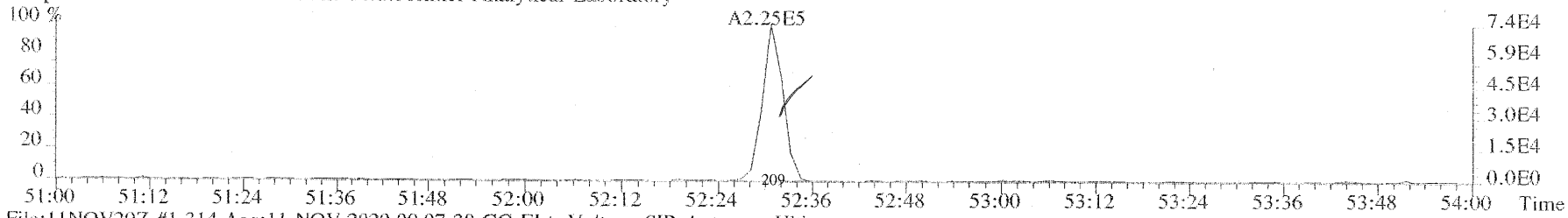
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



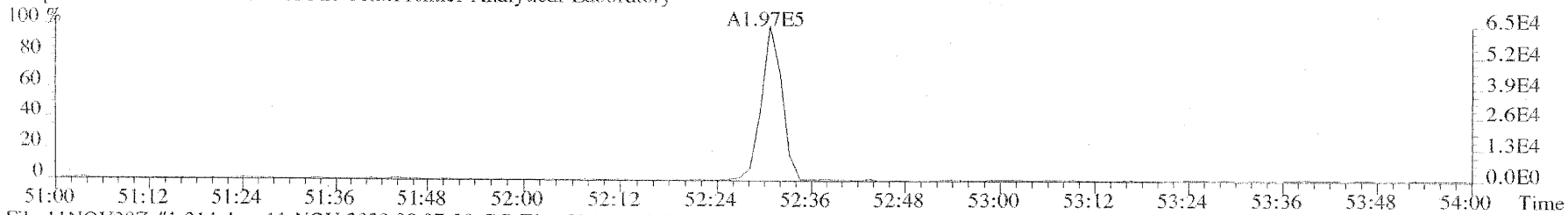
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



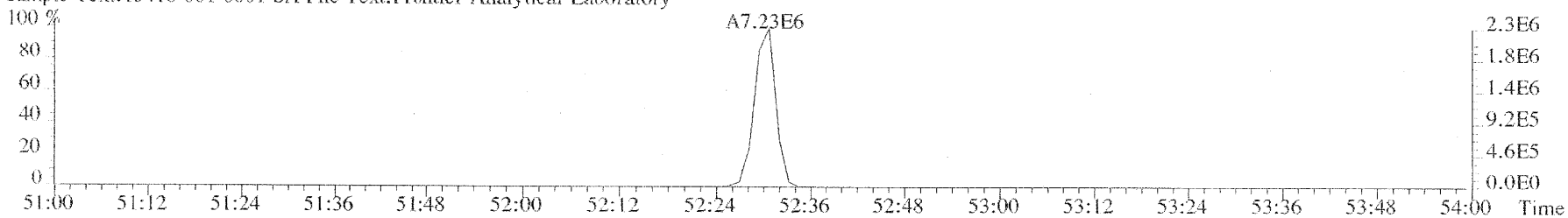
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



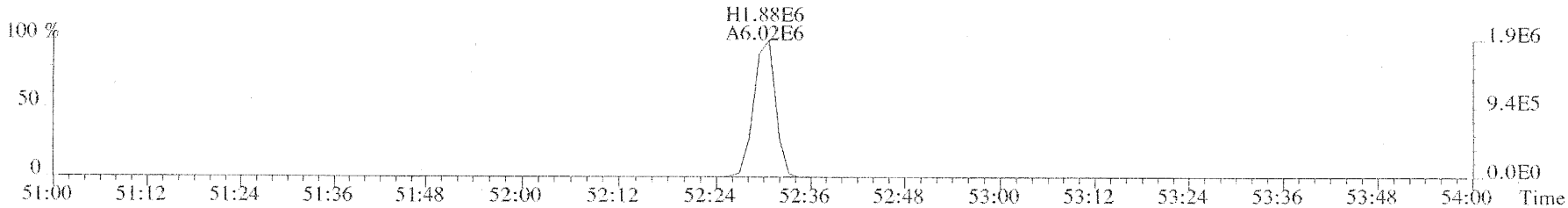
File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-001-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 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:13416-001-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 09:07:38 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:13416-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-003-0001-SA Filename: 11NOV20Z Sam:5 Acquired: 11-NOV-20 10:06:00 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CC-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.08

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	2.86e+05	2.77 y	14:35	1.30	6.39		-	-	*			
13C-PCB-1	3.43e+07	3.26 y	14:34	0.83	870					87.7	9.96e+06	3.07e+06
PCB-2	8.08e+04	2.76 y	16:47	1.30	1.83	J	-	-	*			
PCB-3	2.68e+05	3.28 y	17:01	1.27	6.37		-	-	*			
13C-PCB-3	3.30e+07	3.33 y	16:60	0.81	864					87.1	8.46e+06	2.59e+06
PCB-4	8.92e+05	1.54 y	18:16	1.09	30.9		-	-	*			
PCB-10	1.06e+05	1.55 y	18:19	1.46	1.94	J	-	-	*			
13C-PCB-4	2.63e+07	1.57 y	18:14	0.66	849					85.5	5.09e+06	3.23e+06
PCB-9	3.21e+05	1.46 y	19:58	1.41	6.10		-	-	*			
PCB-7	2.87e+05	1.55 y	20:00	1.43	5.38		-	-	*			
PCB-6	1.59e+06	1.44 y	20:35	1.39	30.7		-	-	*			
PCB-8	7.04e+06	1.48 y	20:57	1.42	133		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		651	3210	0.648			
PCB-14	*	* n	NotFnd	1.41	*		651	3210	0.618			
PCB-11	3.66e+05	1.50 y	23:09	1.33	7.38		-	-	*			
PCB-13	3.97e+05	1.37 y	23:29	1.38	7.69		-	-	*			
PCB-12	4.10e+05	1.70 y	23:30	1.37	8.04		-	-	*			
PCB-15	5.51e+06	1.44 y	23:49	1.22	93.5		-	-	*			
13C-PCB-15	4.77e+07	1.62 y	23:48	1.01	999					101	8.21e+06	5.13e+06
PCB-19	4.88e+05	1.11 y	22:10	1.29	20.6		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2100	756	0.733			
PCB-18	5.59e+06	1.05 y	23:44	1.34	226		-	-	*			
PCB-17	2.77e+06	1.08 y	23:54	1.43	105		-	-	*			
PCB-27	3.53e+05	1.04 y	24:24	1.89	10.2		-	-	*			
PCB-24	4.90e+05	1.17 y	24:25	1.89	14.1		-	-	*			
PCB-16	2.21e+06	1.02 y	24:54	1.61	74.8		-	-	*			
PCB-32	2.52e+06	1.16 y	24:55	1.62	84.8		-	-	*			
13C-PCB-19	1.82e+07	1.10 y	22:09	0.43	890					89.7	2.64e+06	2.38e+06
13C-PCB-9	4.70e+07	1.62 y	19:56	-	4.76							
PCB-34	1.21e+05	1.14 y	25:41	1.09	2.63		-	-	*			
PCB-23	*	* n	NotFnd	1.28	*		1030	880	0.439			
PCB-29	1.65e+05	1.14 y	26:00	1.23	3.19		-	-	*			
PCB-26	3.63e+06	1.07 y	26:12	1.19	72.2		-	-	*			
PCB-25	2.22e+06	1.09 y	26:20	1.14	46.1		-	-	*			
PCB-31	1.66e+07	1.07 y	26:41	1.23	321		-	-	*			
PCB-28	2.22e+07	1.08 y	26:47	1.32	397		-	-	*			
PCB-20	1.16e+07	1.06 y	27:24	1.14	239		-	-	*		Co-elute PCB 21/33	
PCB-21	1.16e+07	1.06 y	27:24	1.14	239		-	-	*		Co-elute PCB 20/33	
PCB-33	1.16e+07	1.06 y	27:24	1.14	239		-	-	*		Co-elute PCB 20/21	
PCB-22	6.99e+06	1.07 y	27:48	1.24	133		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1030	880	0.468			
PCB-39	*	* n	NotFnd	1.24	*		1030	880	0.456			
PCB-38	8.65e+04	1.00 y	29:35	1.18	1.73	J	-	-	*			
PCB-35	4.87e+05	1.07 y	30:07	1.19	9.66		-	-	*			
PCB-37	7.76e+06	1.07 y	30:35	1.22	151		-	-	*			
13C-PCB-37	4.19e+07	1.07 y	30:33	1.72	990					99.8	4.35e+06	4.05e+06

PCB-54	3.52e+04	0.72	y	25:43	1.32	1.13	J	-	-	*			
PCB-50	3.46e+04	0.81	y	26:50	1.10	1.32	J	-	-	*			
PCB-53	1.29e+06	0.76	y	27:26	1.08	50.2		-	-	*			
PCB-51	4.66e+05	0.71	y	27:45	1.14	17.3		-	-	*			
PCB-45	1.12e+06	0.82	y	28:10	0.96	49.0		-	-	*			
PCB-46	4.29e+05	0.78	y	28:38	0.92	19.7		-	-	*			
PCB-52	1.26e+07	0.80	y	29:05	1.19	448		-	-	*	Co-elute PCB 69		
PCB-69	1.26e+07	0.80	y	29:05	1.19	448		-	-	*	Co-elute PCB 52		
PCB-73	1.70e+05	0.81	y	29:11	1.39	5.17		-	-	*			
PCB-43	7.94e+06	0.81	y	29:23	1.07	312		-	-	*	Co-elute PCB 49		
PCB-49	7.94e+06	0.81	y	29:23	1.07	312		-	-	*	Co-elute PCB 43		
PCB-47	3.12e+06	0.88	y	29:35	1.09	121		-	-	*			
PCB-48	2.22e+06	0.70	y	29:41	1.39	67.2		-	-	*	Co-elute PCB 75		
PCB-75	2.22e+06	0.70	y	29:41	1.39	67.2		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*		956	1380	0.636			
PCB-62	*	*	n	NotFnd	1.39	*		956	1380	0.635			
PCB-44	7.22e+06	0.79	y	30:23	0.93	327		-	-	*			
PCB-42	3.52e+06	0.81	y	30:38	1.19	124		-	-	*	Co-elute PCB 59		
PCB-59	3.52e+06	0.81	y	30:38	1.19	124		-	-	*	Co-elute PCB 42		
PCB-72	9.01e+06	0.80	y	31:16	1.34	283		-	-	*	Co-elute PCB 41/71/64		
PCB-41	9.01e+06	0.80	y	31:16	1.34	283		-	-	*	Co-elute PCB 72/71/64		
PCB-71	9.01e+06	0.80	y	31:16	1.34	283		-	-	*	Co-elute PCB 72/41/64		
PCB-64	9.01e+06	0.80	y	31:16	1.34	283		-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.75e+04	0.80	y	31:31	1.52	2.71		-	-	*			
PCB-40	1.18e+06	0.82	y	31:42	0.85	58.7		-	-	*			
PCB-57	1.10e+05	0.68	y	31:55	1.43	3.24		-	-	*			
PCB-67	5.71e+05	0.79	y	32:12	1.44	16.7		-	-	*			
PCB-58	4.79e+04	0.83	y	32:18	1.47	1.37	J	-	-	*			
PCB-63	6.03e+05	0.77	y	32:27	1.49	17.0		-	-	*			
PCB-74	7.35e+06	0.81	y	32:44	1.43	216		-	-	*			
PCB-61	1.71e+07	0.81	y	32:55	1.34	537		-	-	*	Co-elute PCB 70		
PCB-70	1.71e+07	0.81	y	32:55	1.34	537		-	-	*	Co-elute PCB 61		
PCB-76	1.54e+07	0.82	y	33:06	1.52	426		-	-	*	Co-elute PCB 66		
PCB-66	1.54e+07	0.82	y	33:06	1.52	426		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*		956	1380	0.460			
PCB-55	3.56e+05	0.71	y	33:37	1.59	9.44		-	-	*			
13C-PCB-54	2.35e+07	0.82	y	25:41	1.06	902						90.9	2.94e+06	3.63e+06
PCB-104	*	*	n	NotFnd	1.19	*		328	376	0.456			
PCB-96	9.15e+04	1.55	y	31:31	1.13	4.76		-	-	*			
PCB-103	1.99e+05	1.52	y	31:55	0.97	12.1		-	-	*			
PCB-100	1.14e+05	1.45	y	32:14	0.97	6.86		-	-	*			
PCB-94	6.60e+04	1.61	y	32:40	0.81	4.81		-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*		328	376	0.625	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*		328	376	0.625	Co-elute PCB 98		
PCB-95	9.44e+06	1.58	y	33:10	0.94	590		-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*		328	376	0.600			
PCB-88	1.77e+06	1.56	y	33:34	0.99	106		-	-	*	Co-elute PCB 91		
PCB-91	1.77e+06	1.56	y	33:34	0.99	106		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*		328	376	0.474			
13C-PCB-104	1.69e+07	1.58	y	30:13	0.89	769						77.6	1.96e+06	1.26e+06
13C-PCB-28	4.42e+07	1.08	y	26:46	1.90	948						95.5	6.22e+06	5.88e+06
13C-PCB-52	2.44e+07	0.81	y	29:04	-	4.76								

PCB-56	1.18e+07	0.79	y	34:04	1.24	280		-	-	*		Co-elute PCB 60	
PCB-60	1.18e+07	0.79	y	34:04	1.24	280		-	-	*		Co-elute PCB 56	
PCB-79	2.92e+05	0.72	y	35:06	1.25	6.86		-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*		960	1380	0.608			
PCB-81	4.86e+05	0.79	y	36:17	1.28	11.3		-	-	*			
13C-PCB-81	3.33e+07	0.80	y	36:13	1.63	1010					102	3.50e+06	4.33e+06
PCB-77	2.07e+06	0.81	y	36:47	1.14	53.0		-	-	*			
13C-PCB-77	3.41e+07	0.81	y	36:47	1.65	1020					103	3.42e+06	4.17e+06
PCB-155	*	*	n	NotFnd	1.10	*		544	424	0.463			
PCB-150	6.67e+04	1.38	y	35:31	1.03	3.37		-	-	*			
PCB-152	2.13e+04	1.40	y	35:58	1.02	1.08	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.03	*		544	424	0.495			
PCB-136	2.94e+06	1.27	y	36:42	0.97	157		-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*		544	424	0.634			
PCB-154	4.15e+05	1.29	y	37:16	0.87	24.6		-	-	*			
13C-PCB-155	1.91e+07	1.29	y	34:19	1.12	844					85.1	2.67e+06	2.04e+06
13C-PCB-111	2.27e+07	1.64	y	36:23	1.26	894					90.1	3.45e+06	2.14e+06
13C-PCB-101	2.00e+07	1.62	y	34:45	-	4.34							
PCB-84	6.12e+06	1.55	y	34:24	0.73	279		-	-	*		Co-elute PCB 92	
PCB-92	6.12e+06	1.55	y	34:24	0.73	279		-	-	*		Co-elute PCB 84	
PCB-89	1.81e+05	1.45	y	34:36	0.73	8.32		-	-	*			
PCB-90	1.85e+07	1.58	y	34:46	0.81	761		-	-	*		Co-elute PCB 101	
PCB-101	1.85e+07	1.58	y	34:46	0.81	761		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*		1060	1000	0.863			
PCB-99	8.53e+06	1.53	y	35:05	0.91	314		-	-	*			
PCB-119	6.08e+05	1.56	y	35:31	1.04	19.5		-	-	*			
PCB-83	7.64e+05	1.59	y	35:40	0.80	31.7		-	-	*		Co-elute PCB 112	
PCB-112	7.64e+05	1.59	y	35:40	0.80	31.7		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*		1060	1000	0.781			
PCB-97	4.74e+06	1.61	y	36:00	0.69	230		-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*		1060	1000	1.14			
PCB-125	7.38e+06	1.58	y	36:17	0.93	265		-	-	*		Co-elute PCB 87/117	
PCB-87	7.38e+06	1.58	y	36:17	0.93	265		-	-	*		Co-elute PCB 125/117	
PCB-117	7.38e+06	1.58	y	36:17	0.93	265		-	-	*		Co-elute PCB 125/87	
PCB-111	3.28e+05	1.46	y	36:24	1.01	10.8		-	-	*		Co-elute PCB 115	
PCB-115	3.28e+05	1.46	y	36:24	1.01	10.8		-	-	*		Co-elute PCB 111	
PCB-85	3.07e+06	1.53	y	36:31	0.86	120		-	-	*		Co-elute PCB 116	
PCB-116	3.07e+06	1.53	y	36:31	0.86	120		-	-	*		Co-elute PCB 85	
PCB-120	9.55e+04	1.70	y	36:45	1.07	2.98		-	-	*			
PCB-110	2.32e+07	1.58	y	36:54	0.95	812		-	-	*			
PCB-82	1.63e+06	1.53	y	37:29	0.60	90.2		-	-	*			
PCB-124	1.25e+06	1.63	y	38:09	1.26	33.2		-	-	*			
PCB-108	1.96e+06	1.56	y	38:17	1.19	55.0		-	-	*		Co-elute PCB 107	
PCB-107	1.96e+06	1.56	y	38:17	1.19	55.0		-	-	*		Co-elute PCB 108	
PCB-123	4.56e+05	1.55	y	38:26	1.12	13.7		-	-	*			
13C-PCB-123	2.95e+07	1.57	y	38:26	1.36	963					97.1	4.02e+06	2.53e+06
PCB-118	2.61e+07	1.61	y	38:37	1.16	737		-	-	*		Co-elute PCB 106	
PCB-106	2.61e+07	1.61	y	38:37	1.16	737		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.01e+07	1.60	y	38:36	1.43	939					94.6	4.37e+06	2.70e+06
PCB-114	6.26e+05	1.66	y	39:13	1.27	16.4		-	-	*			
13C-PCB-114	2.98e+07	1.57	y	39:13	1.36	972					97.9	3.83e+06	2.40e+06
PCB-122	3.33e+05	1.42	y	39:20	1.13	9.81		-	-	*			
PCB-105	1.10e+07	1.61	y	40:03	1.26	293		-	-	*			
13C-PCB-105	2.96e+07	1.58	y	40:01	1.35	977					98.5	4.39e+06	2.71e+06

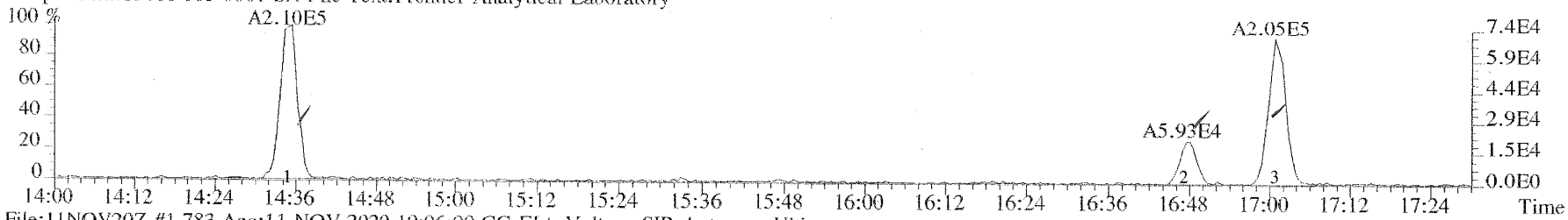
PCB-127	*	*	n	NotFnd	1.14	*		1480	1090	0.833				
PCB-126	1.47e+05	1.36	y	42:09	1.19	4.20		-	-	*				
13C-PCB-126	2.91e+07	1.59	y	42:08	1.33	972					98.0	3.89e+06	2.44e+06	
PCB-151	5.11e+06	1.31	y	37:53	0.91	231		-	-	*				
PCB-135	2.99e+06	1.26	y	38:06	0.92	133		-	-	*				
PCB-144	1.19e+06	1.25	y	38:11	0.91	53.5		-	-	*				
PCB-147	5.19e+05	1.33	y	38:19	0.96	22.2		-	-	*				
PCB-139	2.09e+07	1.26	y	38:34	0.99	864		-	-	*				Co-elute PCB 149
PCB-149	2.09e+07	1.26	y	38:34	0.99	864		-	-	*				Co-elute PCB 139
PCB-140	1.71e+05	1.34	y	38:44	0.96	7.32		-	-	*				
PCB-143	1.17e+06	1.22	y	39:10	0.81	59.3		-	-	*				Co-elute PCB 134
PCB-134	1.17e+06	1.22	y	39:10	0.81	59.3		-	-	*				Co-elute PCB 143
PCB-131	6.85e+05	1.23	y	39:25	0.81	34.9		-	-	*				Co-elute PCB 133
PCB-133	6.85e+05	1.23	y	39:25	0.81	34.9		-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.82	*		950	810	0.981				
PCB-165	4.25e+06	1.22	y	39:48	1.06	164		-	-	*				Co-elute PCB 146
PCB-146	4.25e+06	1.22	y	39:48	1.06	164		-	-	*				Co-elute PCB 165
PCB-161	7.43e+06	1.22	y	40:03	1.02	299		-	-	*				Co-elute PCB 132
PCB-132	7.43e+06	1.22	y	40:03	1.02	299		-	-	*				Co-elute PCB 161
PCB-153	2.92e+07	1.28	y	40:11	1.06	1130		-	-	*				
PCB-168	5.48e+04	1.18	y	40:22	1.17	1.93	J	-	-	*				
PCB-141	4.35e+06	1.27	y	40:52	0.91	195		-	-	*				
PCB-137	1.53e+06	1.32	y	41:20	0.96	65.4		-	-	*				
PCB-130	1.53e+06	1.32	y	41:20	0.78	81.2		-	-	*				
PCB-138	3.17e+07	1.27	y	41:42	1.10	1180		-	-	*				Co-elute PCB 163/164
PCB-163	3.17e+07	1.27	y	41:42	1.10	1180		-	-	*				Co-elute PCB 138/164
PCB-164	3.17e+07	1.27	y	41:42	1.10	1180		-	-	*				Co-elute PCB 138/163
PCB-158	3.53e+06	1.26	y	41:55	1.22	119		-	-	*				Co-elute PCB 160
PCB-160	3.53e+06	1.26	y	41:55	1.22	119		-	-	*				Co-elute PCB 158
PCB-129	9.78e+05	1.21	y	42:09	0.79	50.5		-	-	*				
PCB-166	1.23e+05	1.34	y	42:36	1.19	4.23		-	-	*				
PCB-159	3.20e+05	1.17	y	42:57	1.32	9.95		-	-	*				
PCB-128	4.52e+06	1.28	y	43:09	1.06	176		-	-	*				Co-elute PCB 162
PCB-162	4.52e+06	1.28	y	43:09	1.06	176		-	-	*				Co-elute PCB 128
PCB-167	1.46e+06	1.22	y	43:32	1.19	49.4		-	-	*				
13C-PCB-167	2.46e+07	1.28	y	43:30	1.17	937					94.4	3.07e+06	2.40e+06	
PCB-156	3.60e+06	1.27	y	44:46	1.28	117		-	-	*				
13C-PCB-156	2.39e+07	1.29	y	44:44	1.16	917					92.4	3.07e+06	2.35e+06	
PCB-157	7.48e+05	1.27	y	45:01	1.22	25.0		-	-	*				
13C-PCB-157	2.43e+07	1.29	y	44:59	1.18	915					92.2	2.98e+06	2.32e+06	
PCB-169	*	*	n	NotFnd	1.14	*		950	810	0.678				
13C-PCB-169	2.39e+07	1.27	y	46:51	1.19	891					89.8	3.20e+06	2.46e+06	

FAL ID: 13416-003-0001-SA Filename: 11NOV20Z Sam:5 Acquired: 11-NOV-20 10:06:00 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CC-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.08

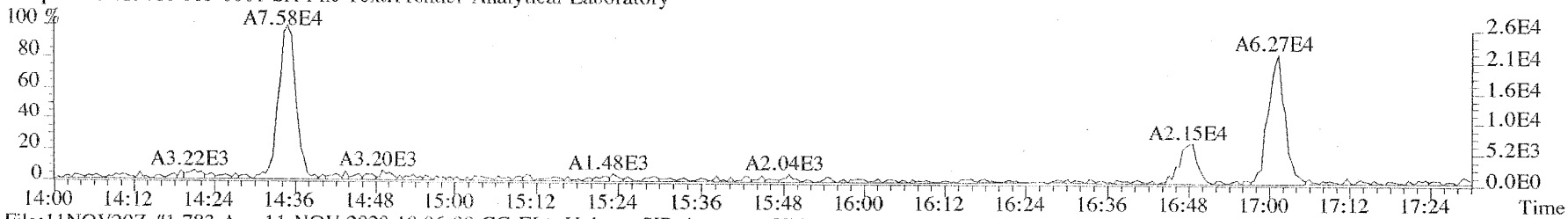
PCB-188	2.52e+04	1.14	y	39:50	1.15	1.15	J	-	-	*		
13C-PCB-188	1.88e+07	1.08	y	39:48	0.96	876					88.3	2.29e+06	2.07e+06
PCB-184	*	*	n	NotFnd	1.26	*		610	624	0.495		
PCB-179	3.16e+06	1.06	y	40:59	1.19	145		-	-	*		
PCB-176	1.01e+06	1.09	y	41:25	1.16	47.8		-	-	*		
PCB-186	*	*	n	NotFnd	1.18	*		610	624	0.527		
PCB-178	1.13e+06	1.13	y	42:28	0.86	71.5		-	-	*		
PCB-175	2.89e+05	1.08	y	42:47	0.92	17.1		-	-	*		
PCB-187	7.81e+06	1.06	y	42:56	0.99	429		-	-	*	Co-elute PCB 182	
PCB-182	7.81e+06	1.06	y	42:56	0.99	429		-	-	*	Co-elute PCB 187	
PCB-183	3.85e+06	1.04	y	43:15	0.96	218		-	-	*		
PCB-185	6.62e+05	1.05	y	43:53	0.91	39.5		-	-	*		
PCB-174	5.49e+06	1.07	y	44:13	0.94	319		-	-	*		
PCB-181	*	*	n	NotFnd	0.92	*		610	624	0.675		
PCB-177	3.25e+06	1.08	y	44:29	0.86	206		-	-	*		
PCB-171	1.65e+06	1.07	y	44:46	0.89	101		-	-	*		
PCB-173	1.07e+05	1.06	y	45:11	0.82	7.10		-	-	*		
PCB-172	9.40e+05	0.99	y	45:34	0.87	59.1		-	-	*		
PCB-192	*	*	n	NotFnd	1.11	*		610	624	0.563		
PCB-180	1.25e+07	1.07	y	45:53	0.86	793		-	-	*		
PCB-193	8.65e+05	1.10	y	46:03	1.16	40.5		-	-	*		
PCB-191	3.10e+05	1.13	y	46:16	1.14	14.8		-	-	*		
PCB-170	5.49e+06	1.06	y	47:11	0.85	350		-	-	*		
PCB-190	1.49e+06	1.06	y	47:19	1.10	74.0		-	-	*		
PCB-189	3.14e+05	1.14	y	48:30	1.08	16.3		-	-	*		
13C-PCB-189	1.76e+07	1.07	y	48:30	0.95	828					83.5	2.94e+06	2.73e+06
PCB-202	7.06e+05	0.93	y	44:56	1.05	46.2		-	-	*		
PCB-201	4.61e+05	0.90	y	45:22	1.15	27.5		-	-	*		
PCB-204	*	*	n	NotFnd	1.17	*		372	380	0.505		
PCB-197	1.44e+05	1.02	y	45:47	1.17	8.47		-	-	*		
PCB-200	4.31e+05	0.87	y	46:31	1.16	25.4		-	-	*		
PCB-198	1.07e+05	0.98	y	47:40	0.81	9.06		-	-	*		
PCB-199	2.58e+06	0.93	y	47:47	0.83	214		-	-	*		
PCB-203	3.21e+06	0.92	y	48:02	0.90	245		-	-	*	Co-elute PCB 196	
PCB-196	3.21e+06	0.92	y	48:02	0.90	245		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.45e+07	0.89	y	44:56	0.80	807					81.4	1.49e+06	1.66e+06
13C-PCB-178	1.41e+07	1.08	y	42:26	0.76	820					82.7	1.70e+06	1.59e+06
13C-PCB-138	2.23e+07	1.29	y	41:40	-	4.59							
PCB-195	1.62e+06	0.91	y	49:06	0.91	76.2		-	-	*		
PCB-194	4.56e+06	0.90	y	49:54	0.93	208		-	-	*		
PCB-205	2.77e+05	0.91	y	50:09	1.16	10.1		-	-	*		
13C-PCB-205	2.33e+07	0.90	y	50:08	1.26	870					87.7	3.86e+06	4.30e+06
PCB-208	5.73e+05	1.28	y	49:14	1.13	27.4		-	-	*		
13C-PCB-208	1.84e+07	0.80	y	49:13	1.06	818					82.4	2.73e+06	3.43e+06
PCB-207	2.90e+05	1.35	y	49:31	1.31	13.3		-	-	*		
PCB-206	1.72e+06	1.34	y	51:20	1.15	101		-	-	*		
13C-PCB-206	1.46e+07	0.80	y	51:20	0.81	851					85.8	1.97e+06	2.46e+06
PCB-209	6.93e+05	1.16	y	52:32	1.24	37.5		-	-	*		
13C-PCB-209	1.48e+07	1.22	y	52:31	0.87	798					80.5	2.71e+06	2.24e+06
13C-PCB-194	2.11e+07	0.91	y	49:53	-	4.64							

Analyst: _____ Date: 11/11/20

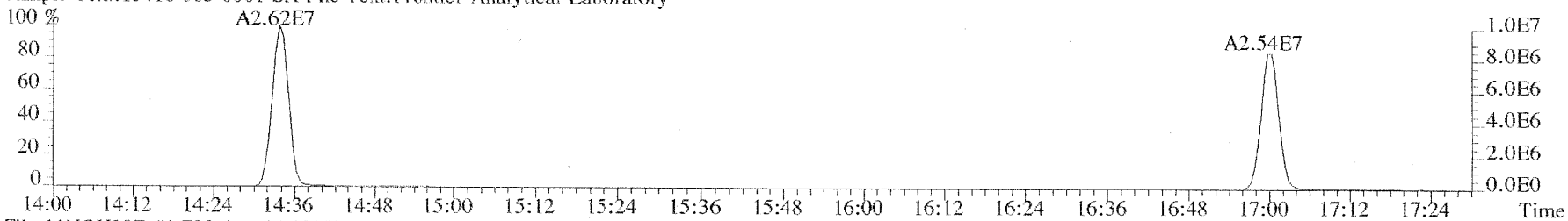
File:11NOV20Z #1-783 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



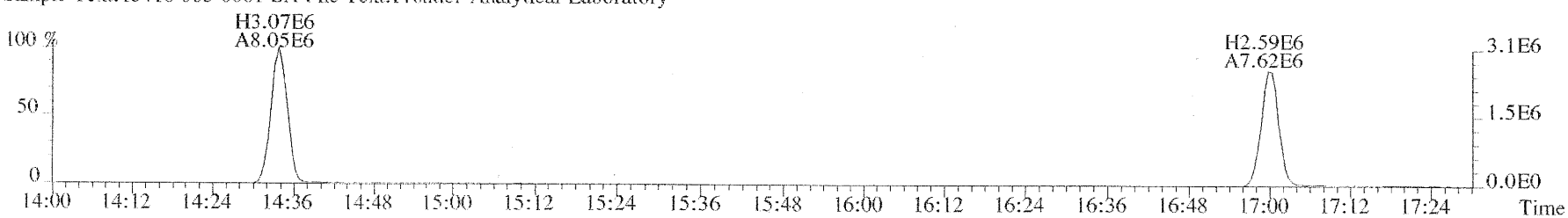
File:11NOV20Z #1-783 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



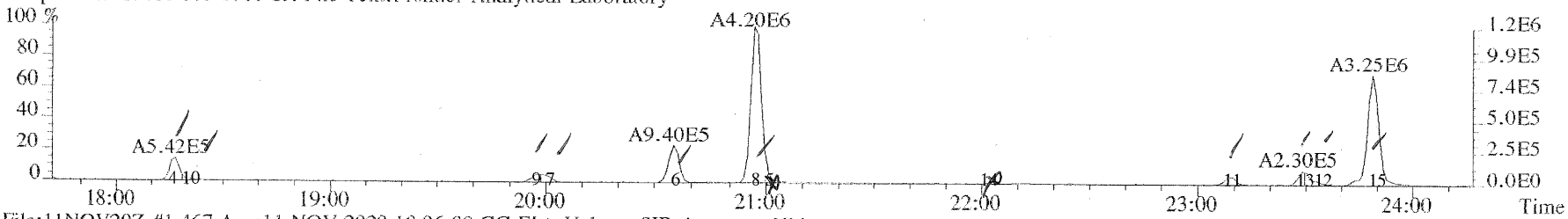
File:11NOV20Z #1-783 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



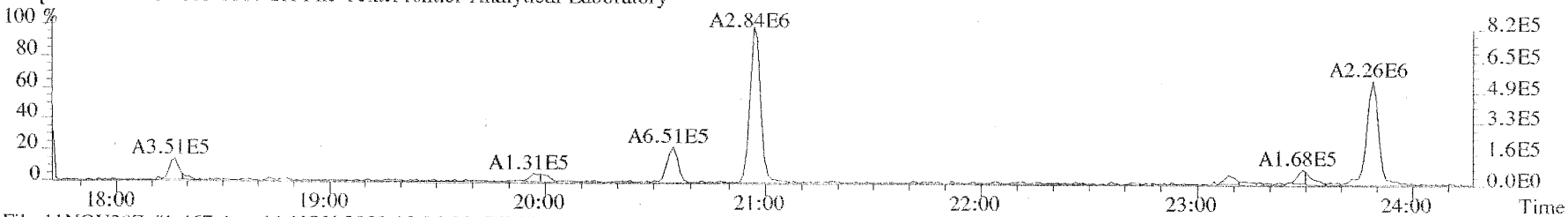
File:11NOV20Z #1-783 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



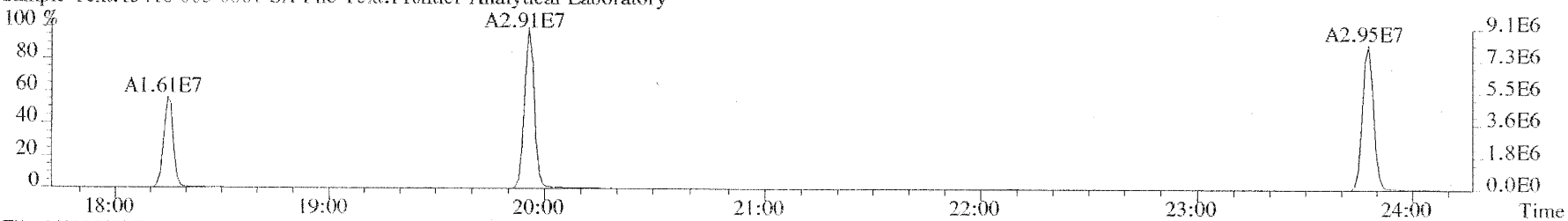
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



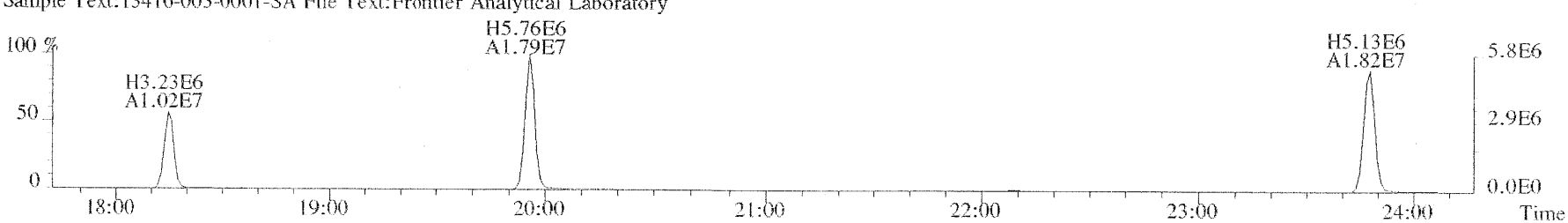
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



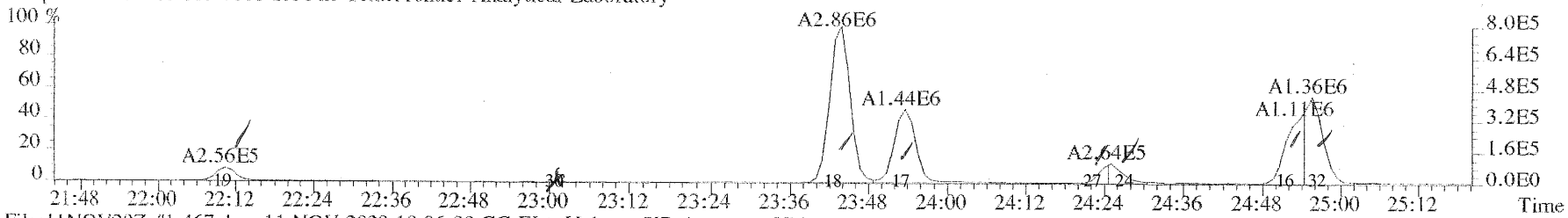
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



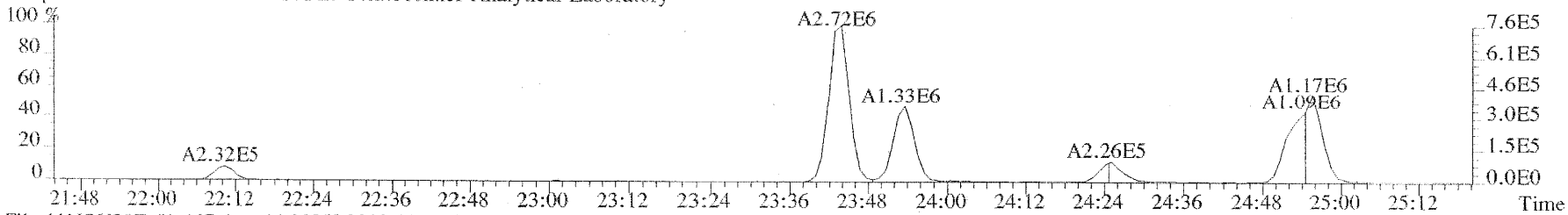
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



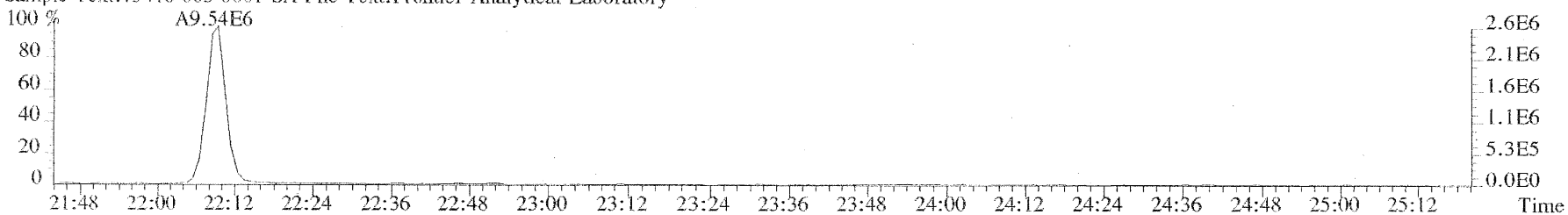
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



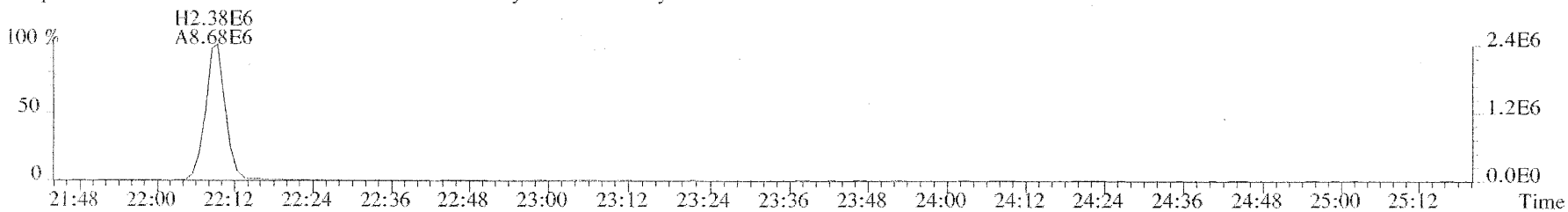
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



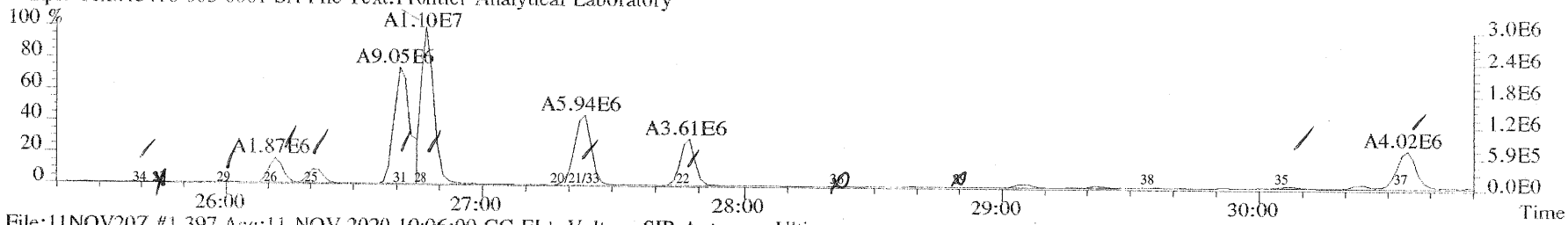
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



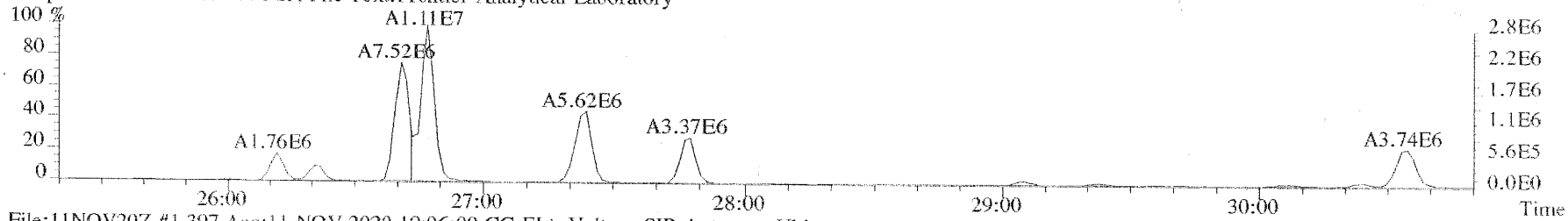
File:11NOV20Z #1-467 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



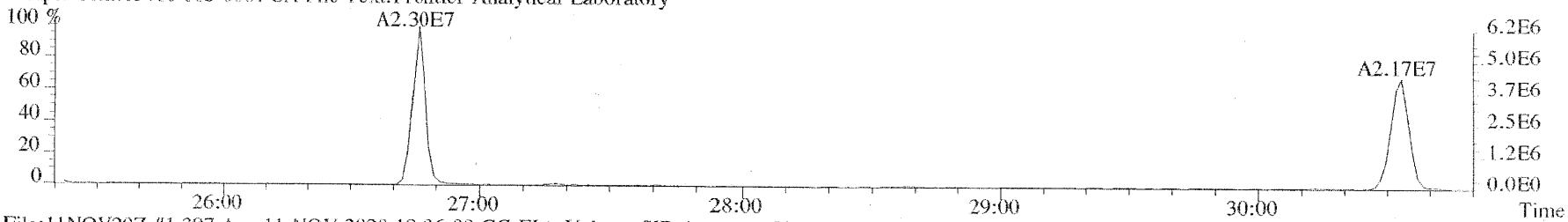
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



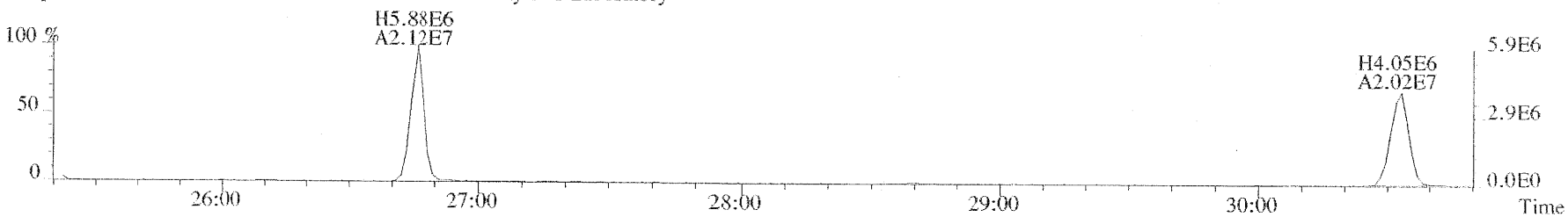
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



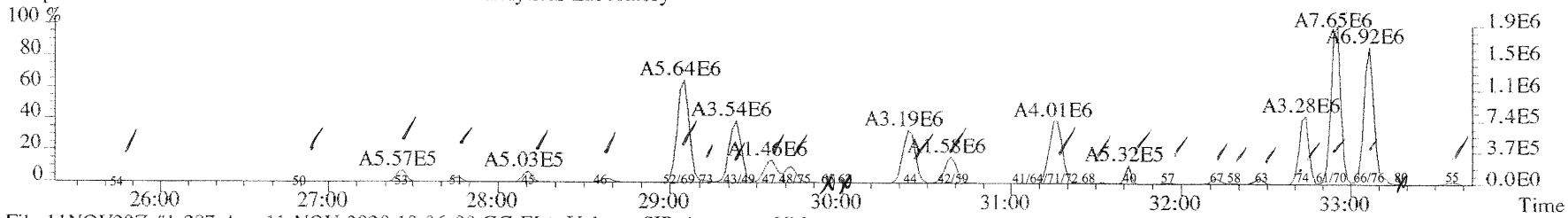
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



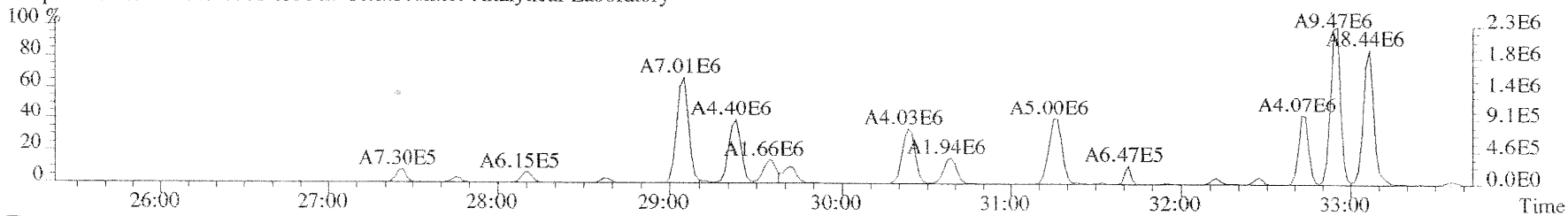
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



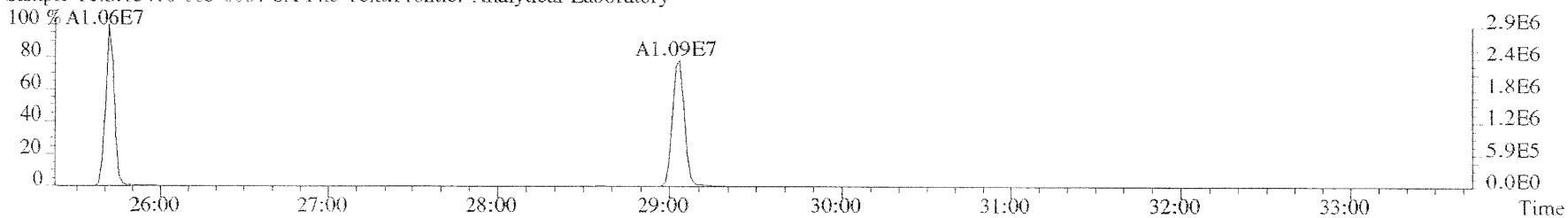
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



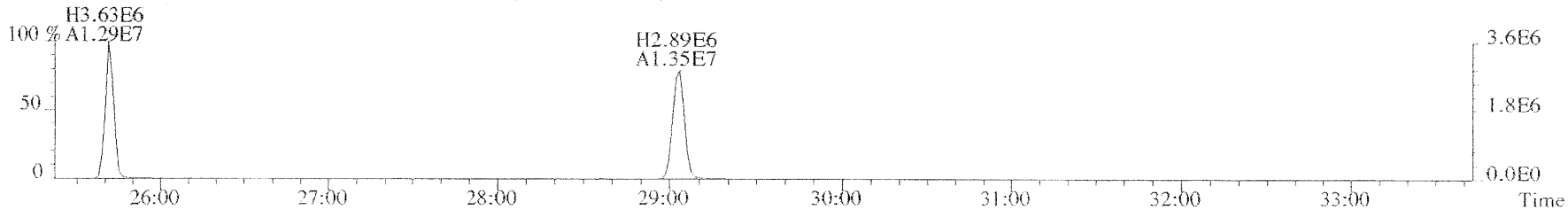
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



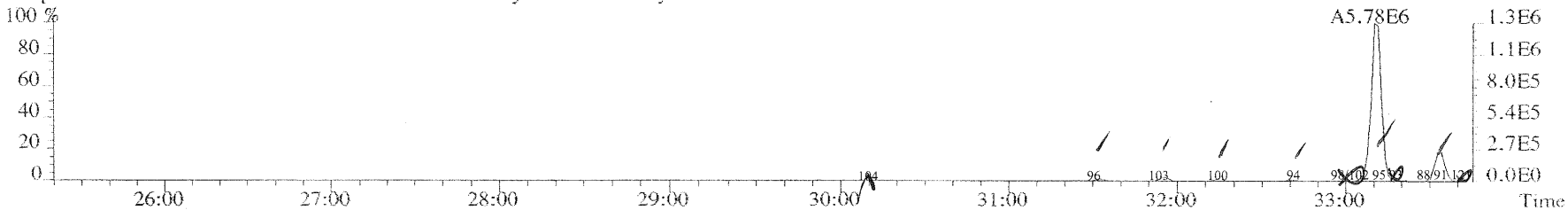
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



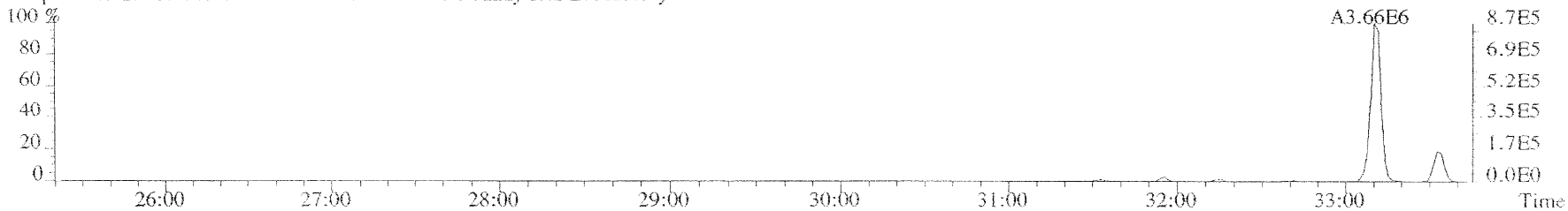
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



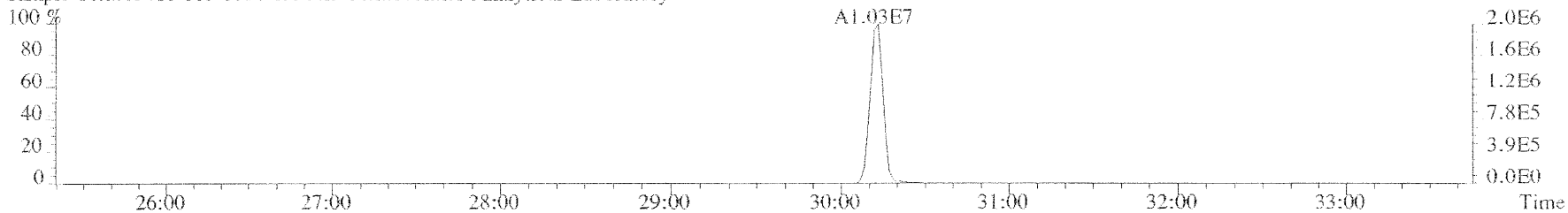
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



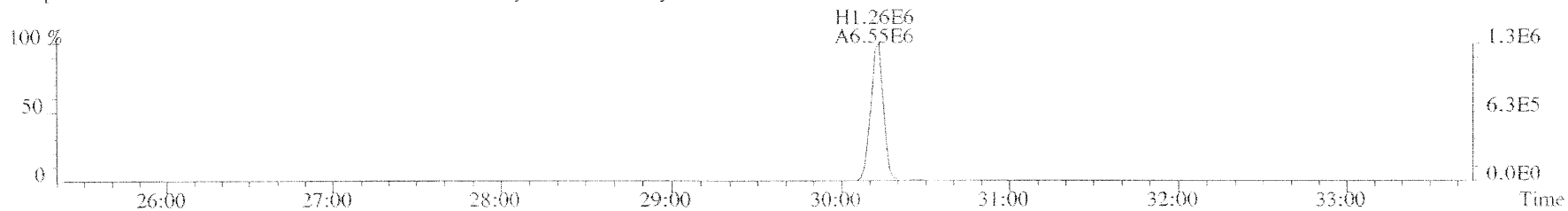
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



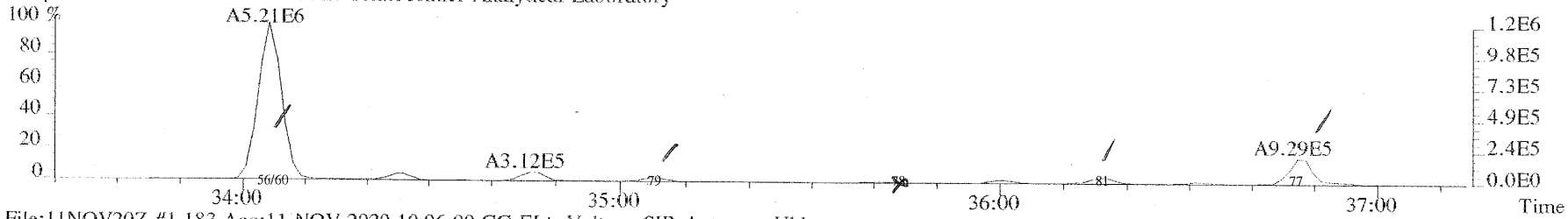
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



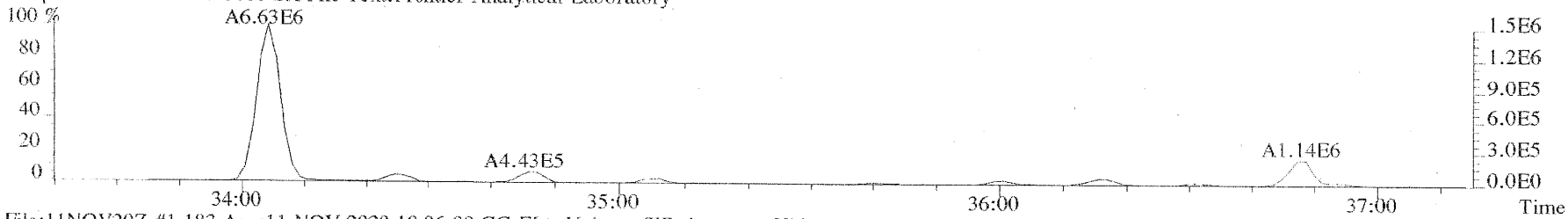
File:11NOV20Z #1-397 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



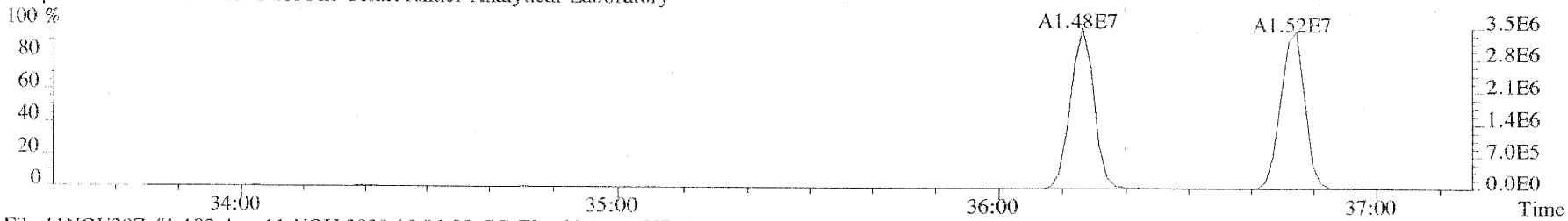
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



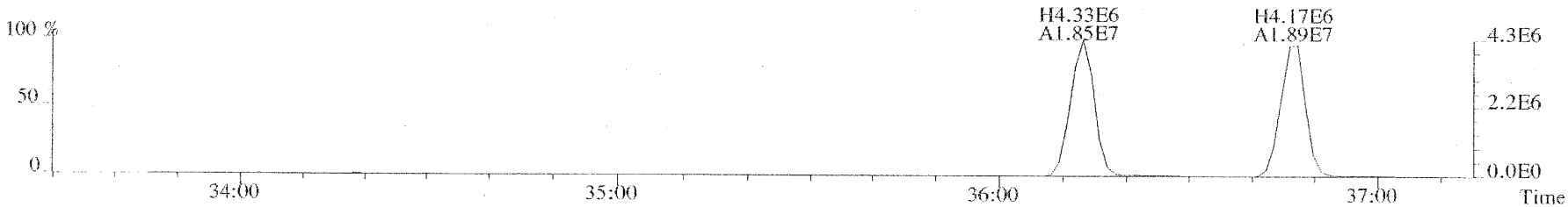
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



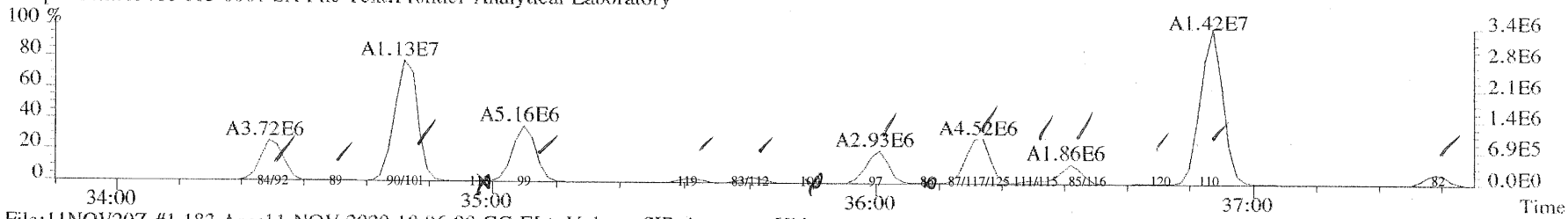
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



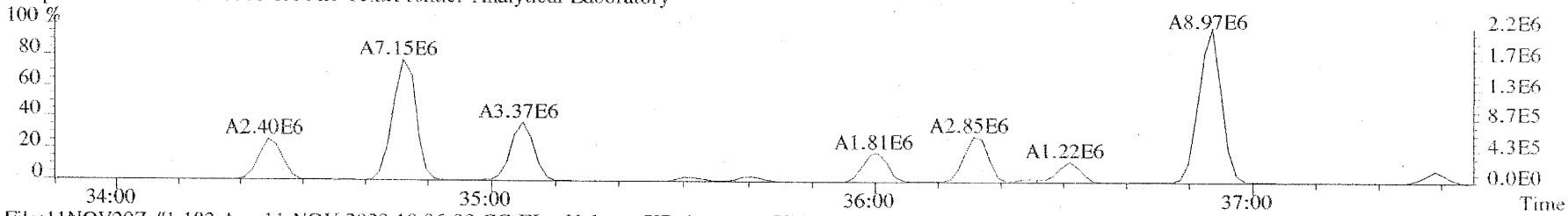
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



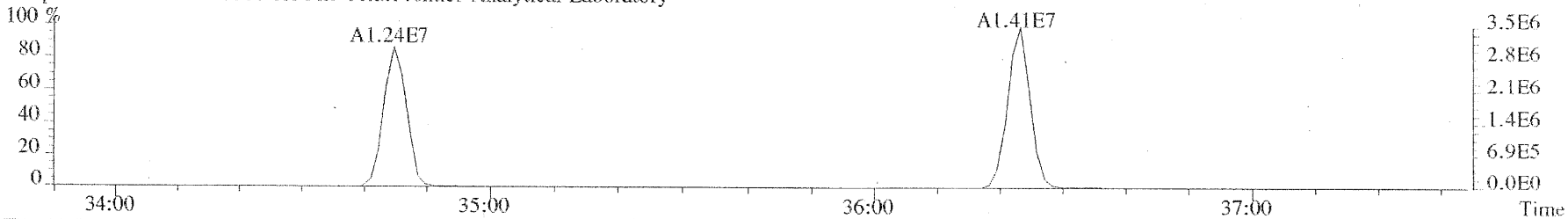
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



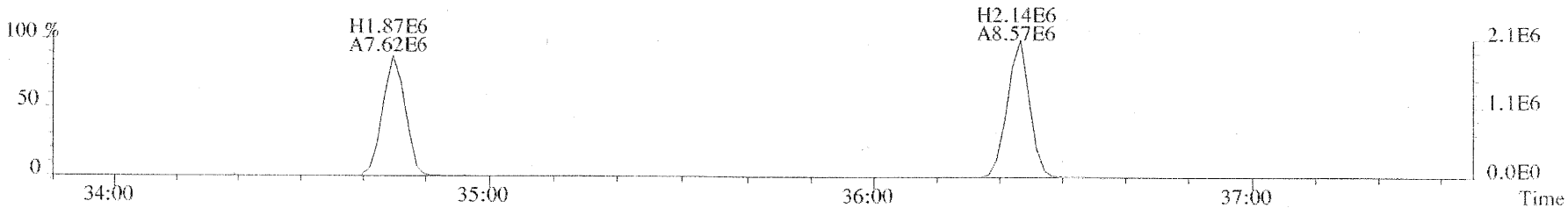
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



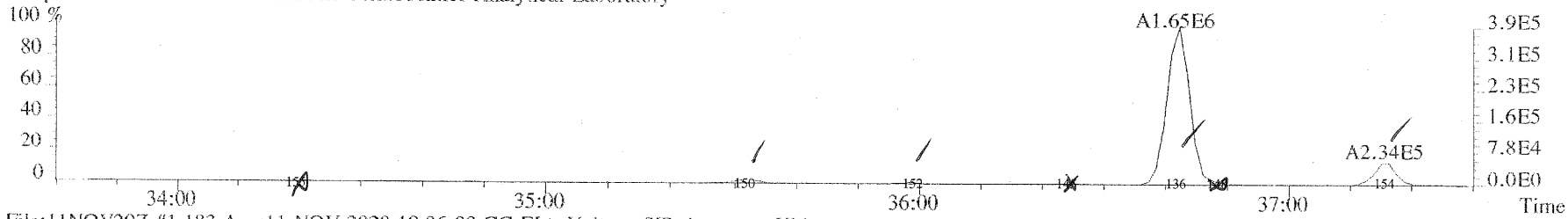
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



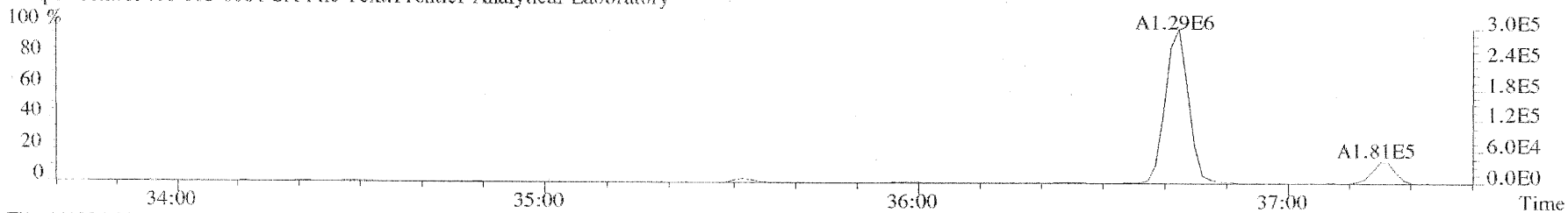
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



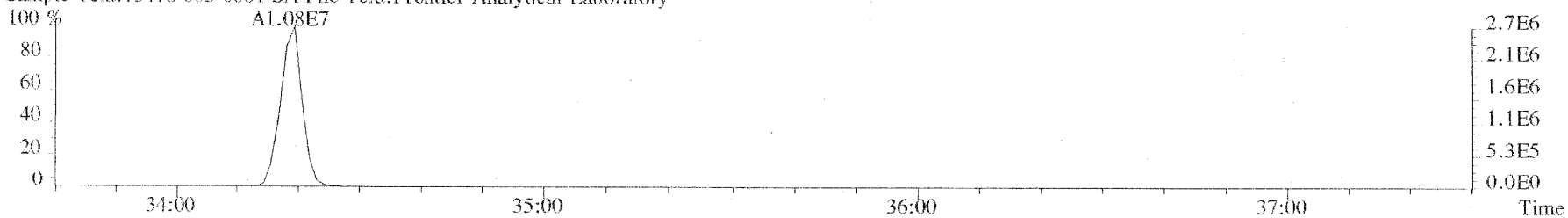
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



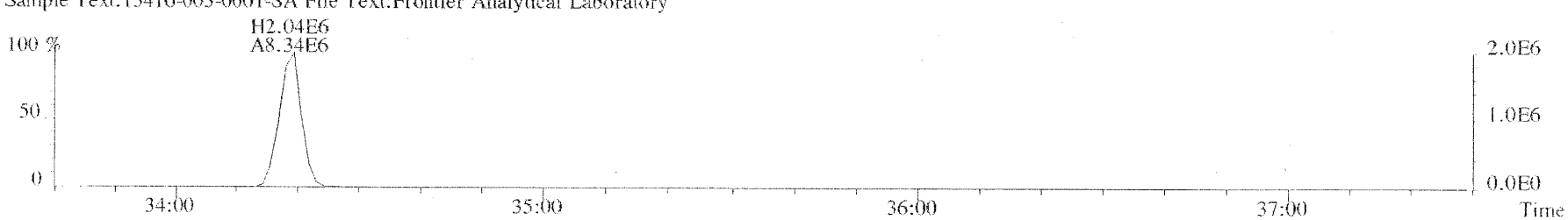
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



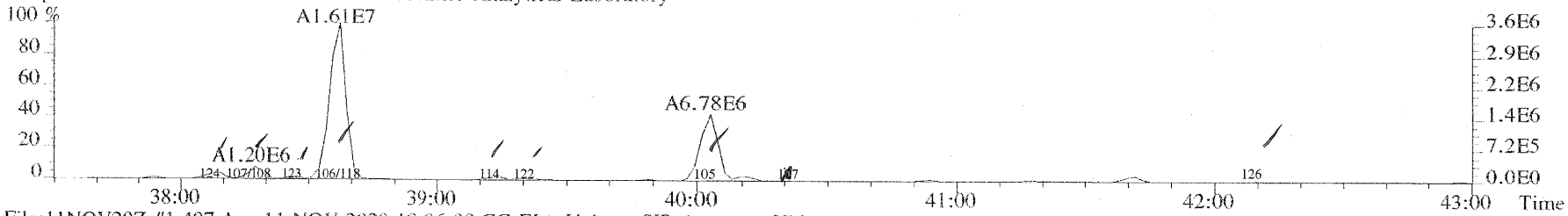
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



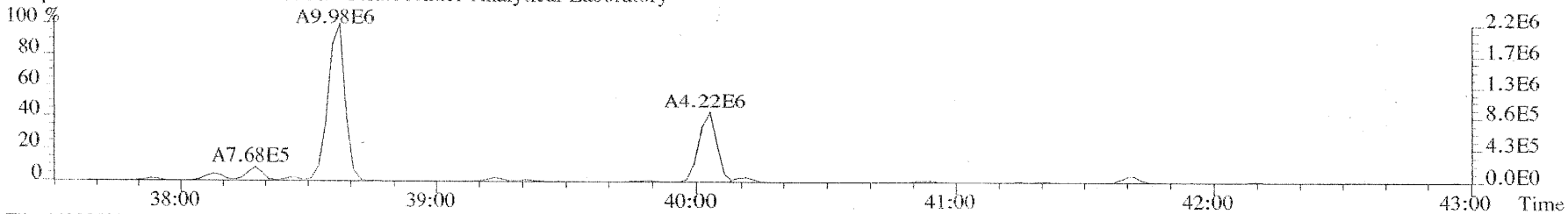
File:11NOV20Z #1-183 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



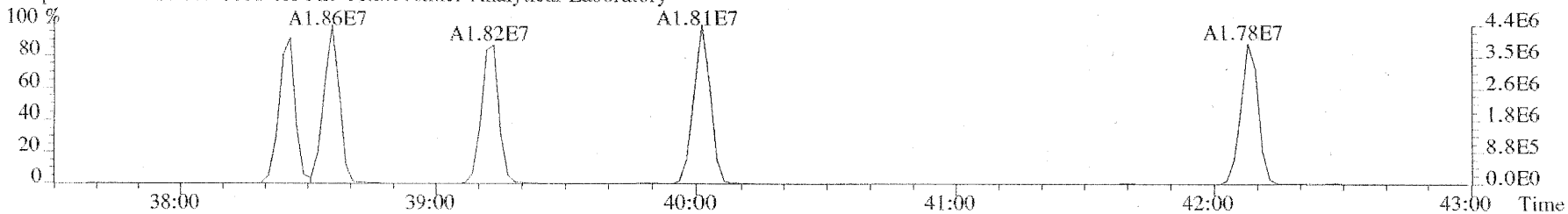
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



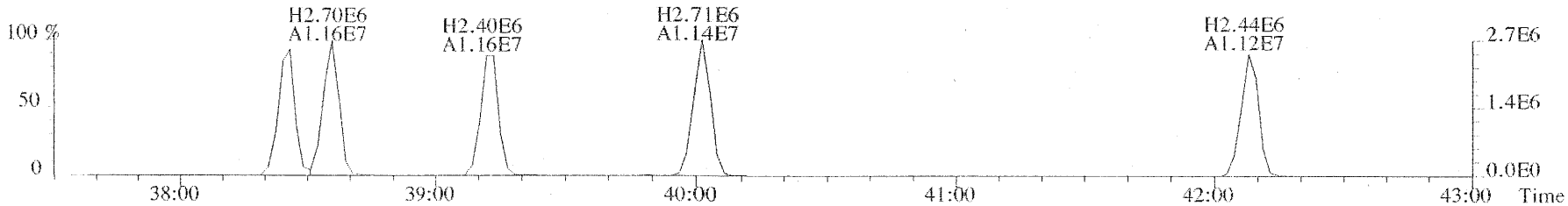
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



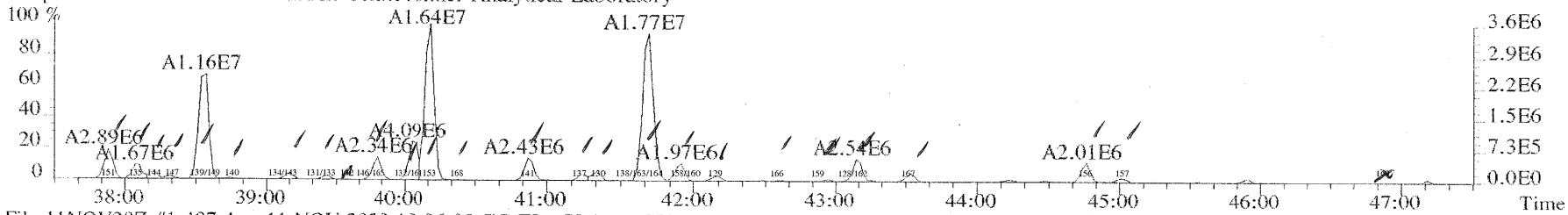
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



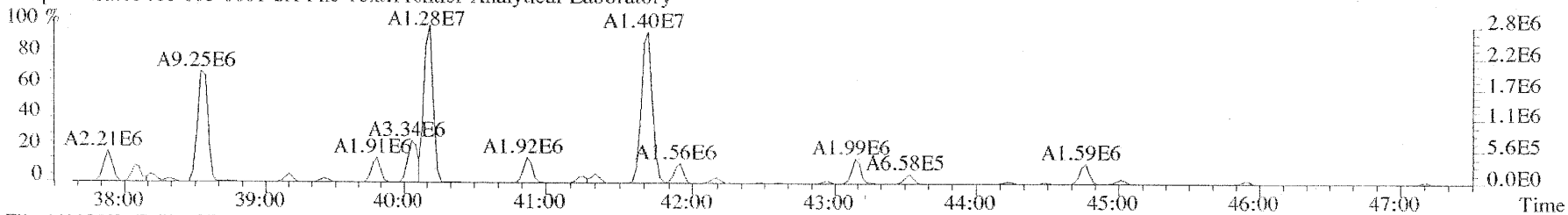
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



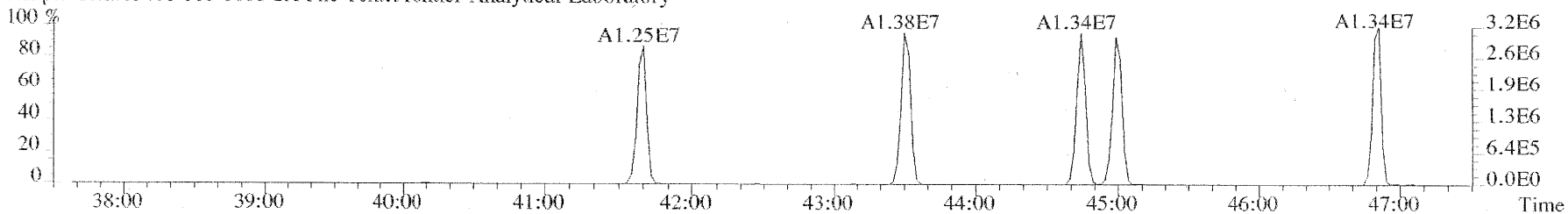
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



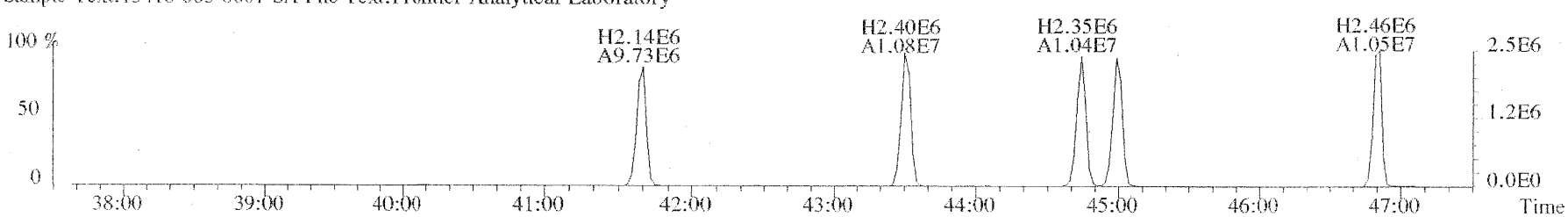
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



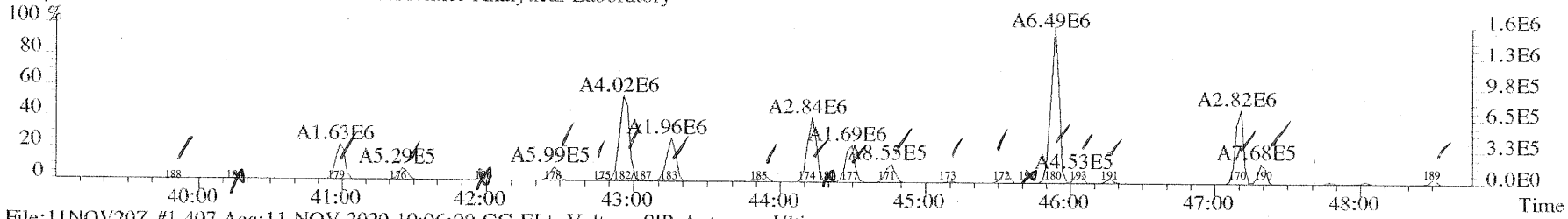
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



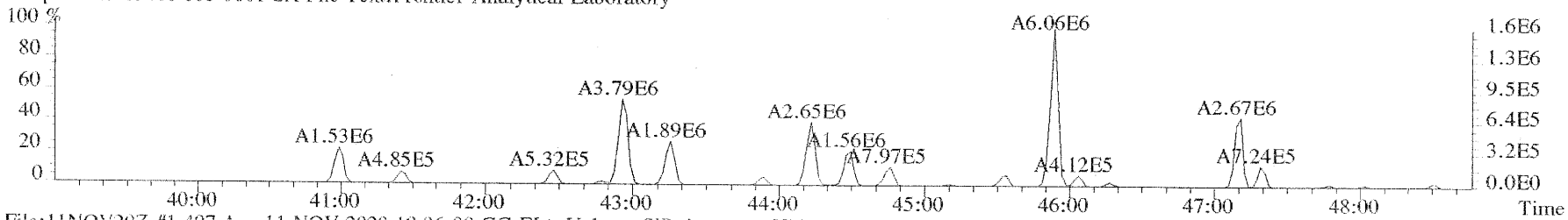
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



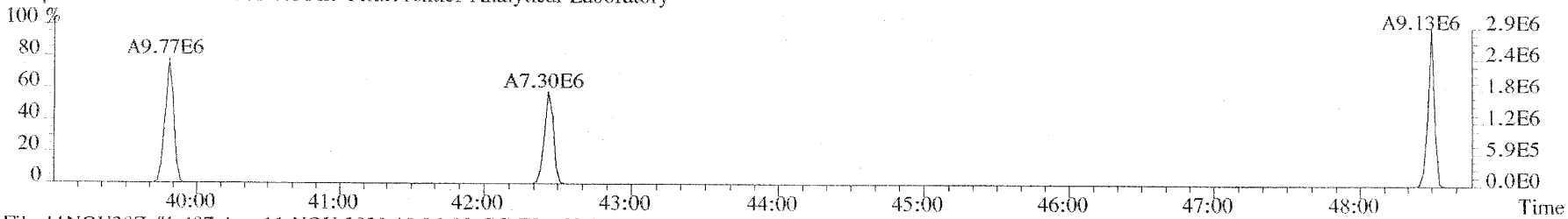
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



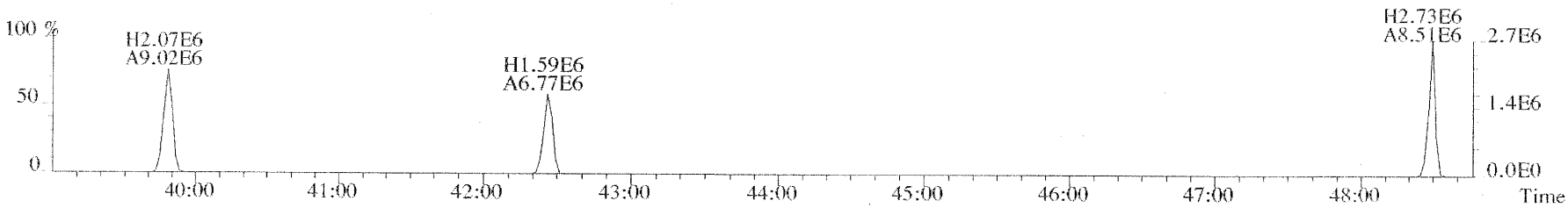
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



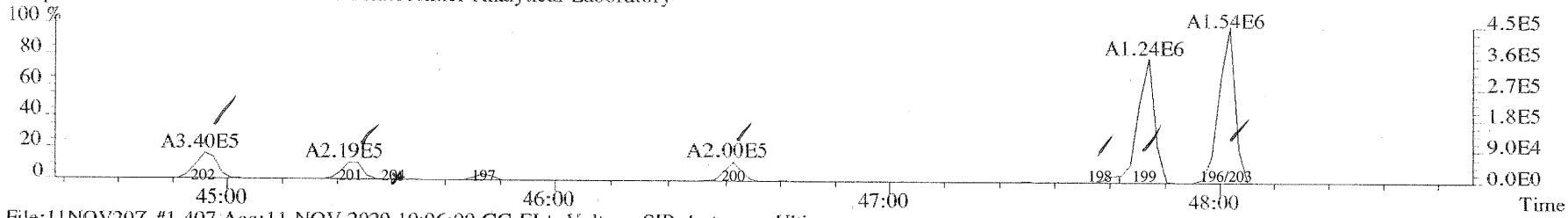
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



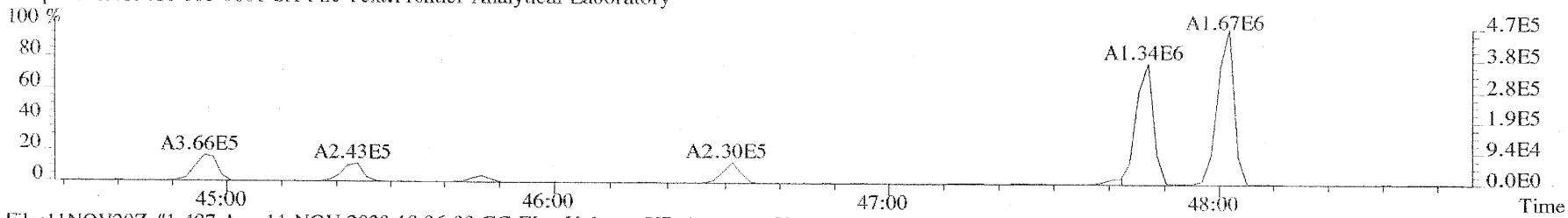
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



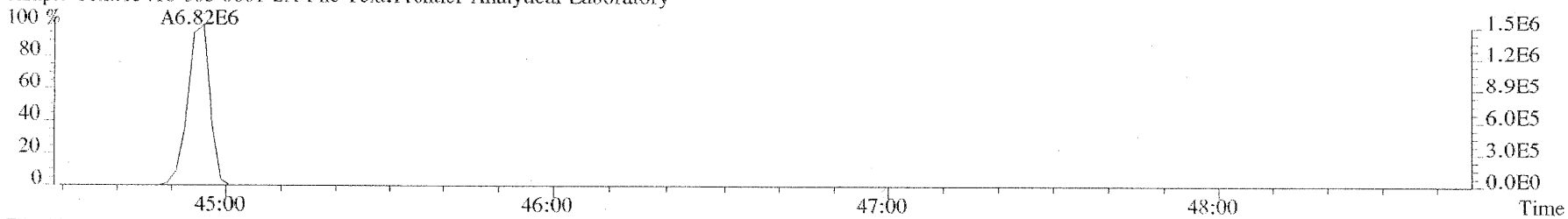
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



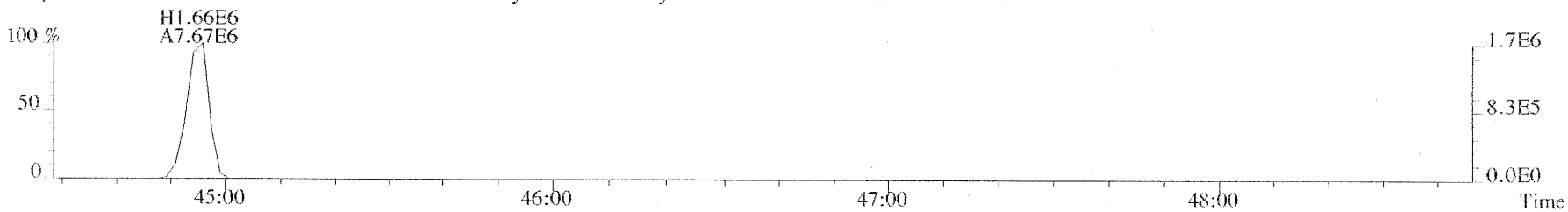
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



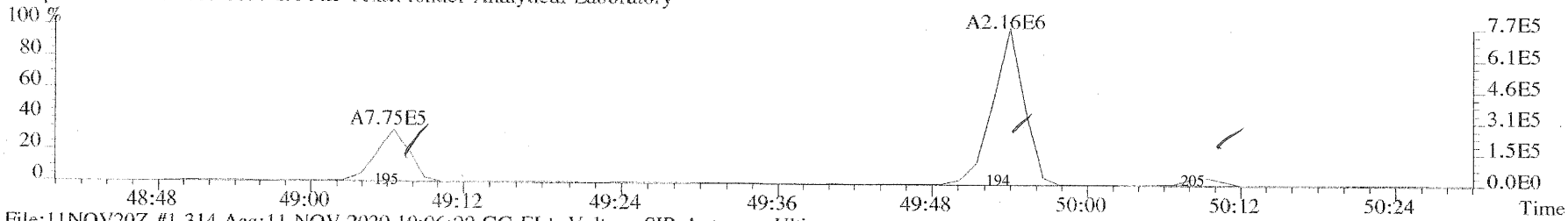
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



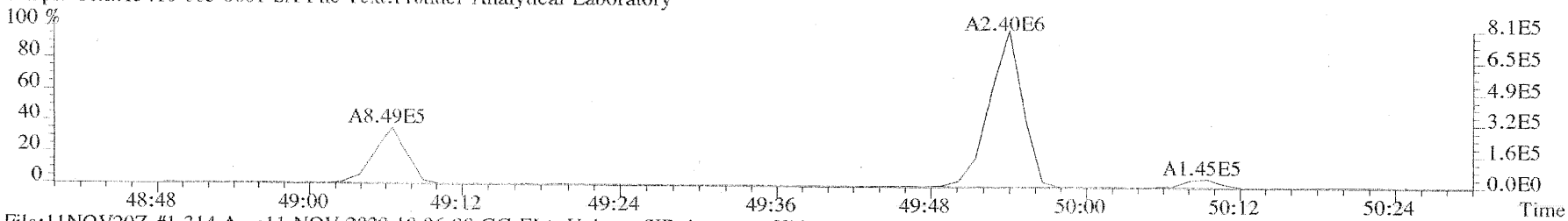
File:11NOV20Z #1-407 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



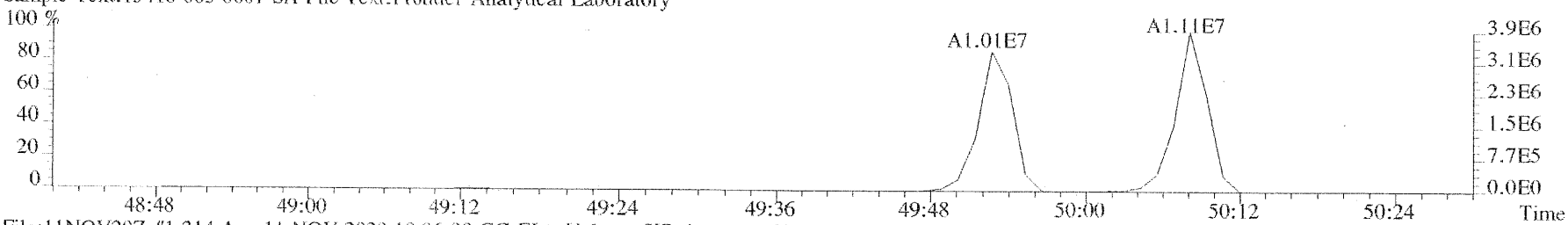
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



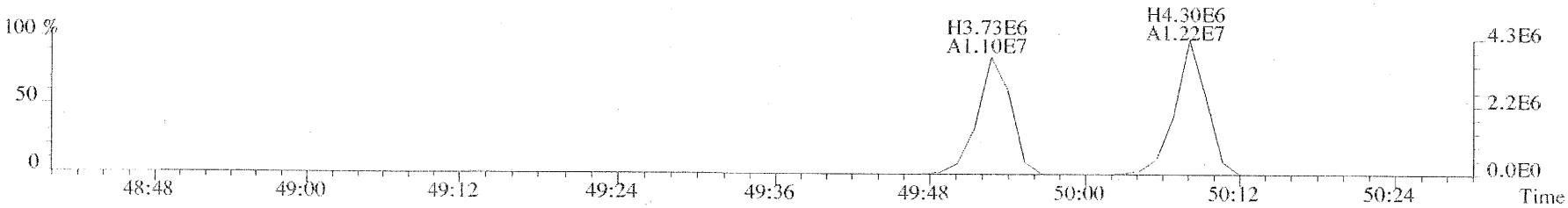
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



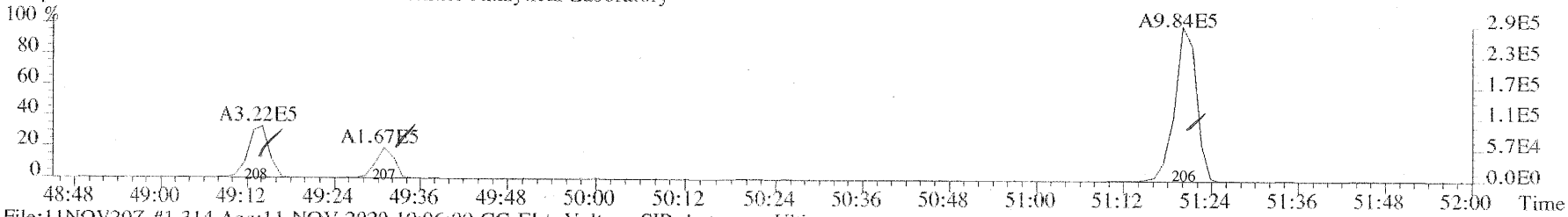
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



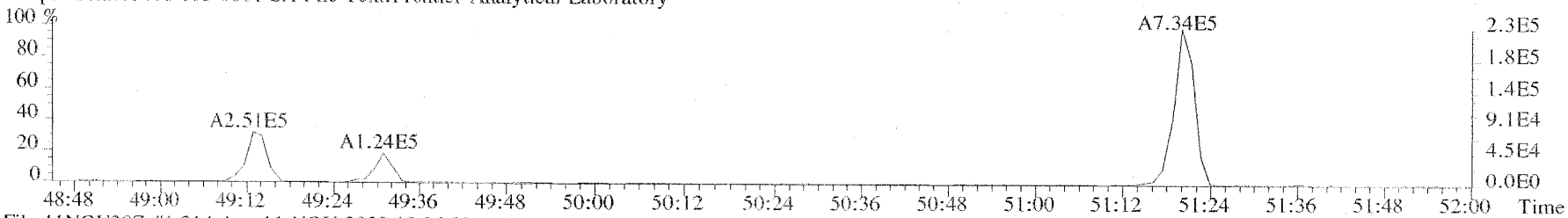
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



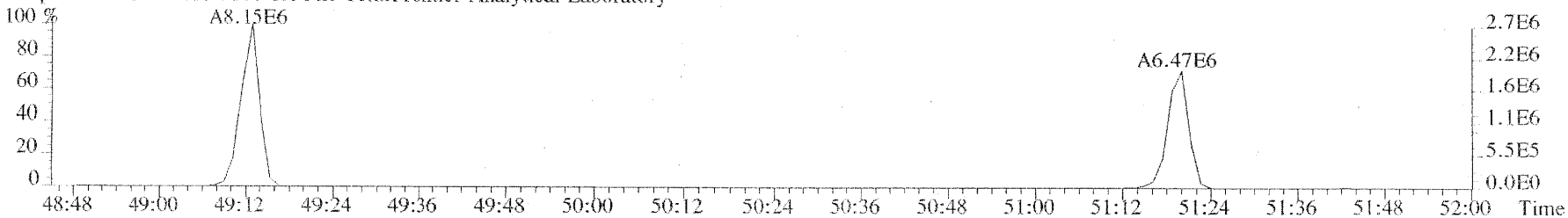
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



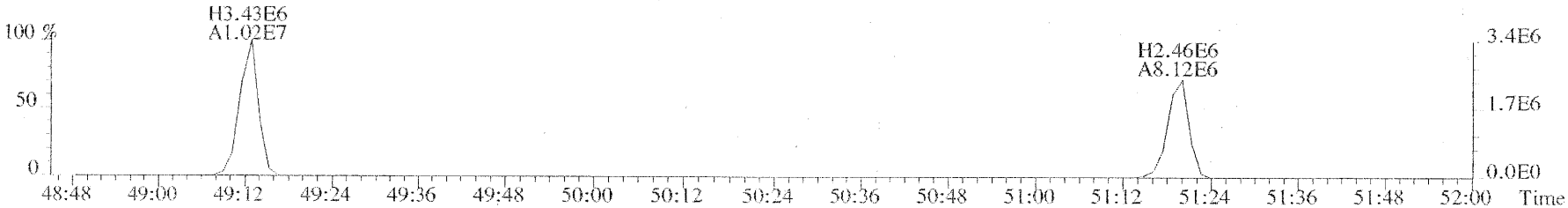
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



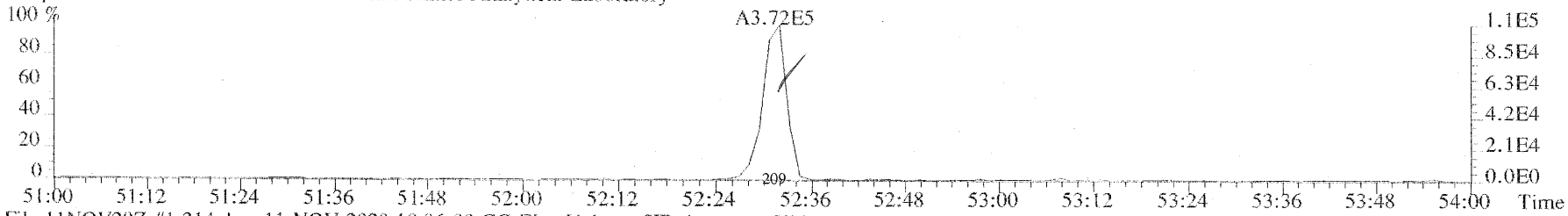
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



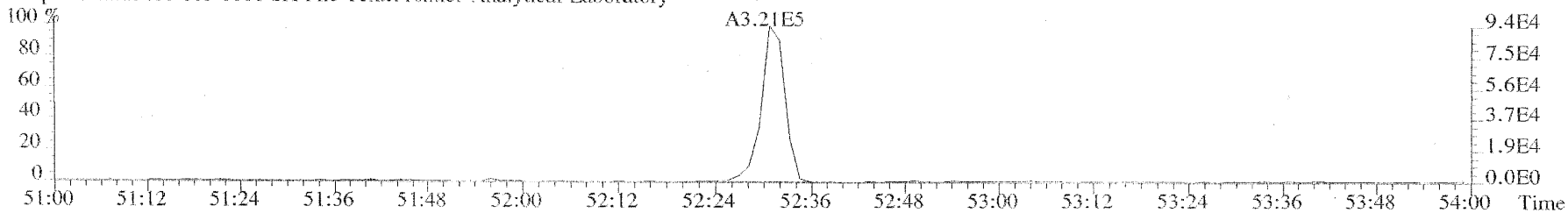
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



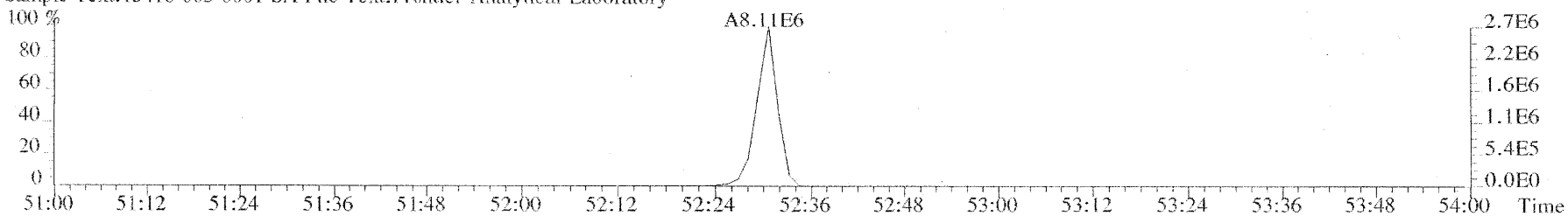
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



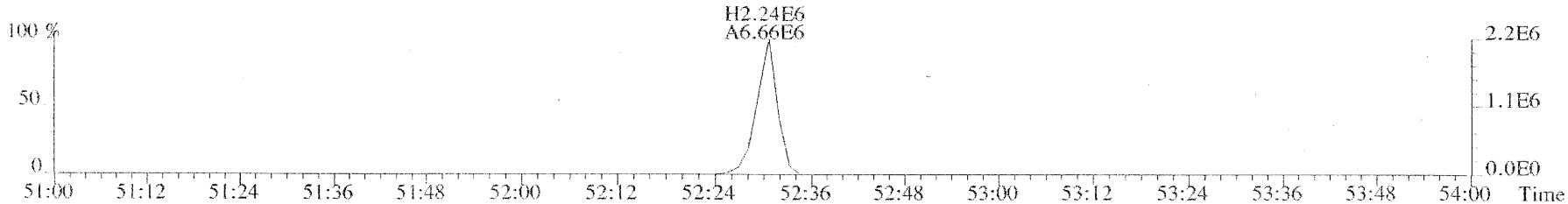
File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-003-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 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:13416-003-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 10:06:00 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:13416-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-004-0001-SA Filename: 11NOV20Z Sam:6 Acquired: 11-NOV-20 11:04:21 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CD-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.01

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	2.24e+05	3.22 y	14:35	1.30	4.55		-	-	*			
13C-PCB-1	3.79e+07	3.25 y	14:34	0.83	909					91.0	1.10e+07	3.45e+06
PCB-2	7.01e+04	2.77 y	16:48	1.30	1.45	J	-	-	*			
PCB-3	1.93e+05	3.16 y	17:01	1.27	4.16		-	-	*			
13C-PCB-3	3.66e+07	3.33 y	17:00	0.81	907					90.8	9.84e+06	2.89e+06
PCB-4	8.77e+05	1.49 y	18:16	1.09	26.7		-	-	*			
PCB-10	6.67e+04	1.71 y	18:19	1.46	1.08	J	-	-	*			
13C-PCB-4	3.02e+07	1.59 y	18:15	0.66	920					92.1	5.88e+06	3.60e+06
PCB-9	2.79e+05	1.54 y	19:58	1.41	4.69		-	-	*			
PCB-7	2.57e+05	1.43 y	20:00	1.43	4.28		-	-	*			
PCB-6	1.51e+06	1.43 y	20:35	1.39	25.9		-	-	*			
PCB-8	6.76e+06	1.50 y	20:57	1.42	113		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		651	3210	0.577			
PCB-14	*	* n	NotFnd	1.41	*		651	3210	0.550			
PCB-11	4.14e+05	1.38 y	23:09	1.33	7.39		-	-	*			
PCB-13	3.50e+05	1.42 y	23:29	1.38	6.01		-	-	*			
PCB-12	4.24e+05	1.38 y	23:30	1.37	7.36		-	-	*			
PCB-15	5.11e+06	1.40 y	23:49	1.22	77.3		-	-	*			
13C-PCB-15	5.39e+07	1.61 y	23:48	1.01	1070					107	9.31e+06	5.80e+06
PCB-19	4.39e+05	1.14 y	22:10	1.29	17.9		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2210	816	0.707			
PCB-18	4.90e+06	1.08 y	23:44	1.34	191		-	-	*			
PCB-17	2.46e+06	1.12 y	23:54	1.43	90.0		-	-	*			
PCB-27	3.35e+05	1.07 y	24:24	1.89	9.29		-	-	*			
PCB-24	4.47e+05	1.19 y	24:25	1.89	12.4		-	-	*			
PCB-16	1.92e+06	1.04 y	24:53	1.61	62.5		-	-	*			
PCB-32	2.39e+06	1.13 y	24:55	1.62	77.4		-	-	*			
13C-PCB-19	1.91e+07	1.12 y	22:09	0.43	881					88.2	2.91e+06	2.64e+06
13C-PCB-9	5.01e+07	1.63 y	19:56	-	5.11							
PCB-34	7.96e+04	1.17 y	25:40	1.09	1.56	J	-	-	*			
PCB-23	*	* n	NotFnd	1.28	*		1300	920	0.475			
PCB-29	1.57e+05	1.13 y	26:00	1.23	2.73		-	-	*			
PCB-26	3.39e+06	1.05 y	26:12	1.19	60.9		-	-	*			
PCB-25	2.07e+06	1.06 y	26:22	1.14	38.8		-	-	*			
PCB-31	1.60e+07	1.03 y	26:41	1.23	279		-	-	*			
PCB-28	1.82e+07	1.08 y	26:47	1.32	293		-	-	*			
PCB-20	9.94e+06	1.06 y	27:24	1.14	186		-	-	*		Co-elute PCB 21/33	
PCB-21	9.94e+06	1.06 y	27:24	1.14	186		-	-	*		Co-elute PCB 20/33	
PCB-33	9.94e+06	1.06 y	27:24	1.14	186		-	-	*		Co-elute PCB 20/21	
PCB-22	6.06e+06	1.07 y	27:48	1.24	104		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1300	920	0.507			
PCB-39	*	* n	NotFnd	1.24	*		1300	920	0.493			
PCB-38	5.66e+04	1.00 y	29:33	1.18	1.02	J	-	-	*			
PCB-35	3.94e+05	1.13 y	30:07	1.19	7.05		-	-	*			
PCB-37	6.70e+06	1.17 y	30:35	1.22	117		-	-	*			
13C-PCB-37	4.68e+07	1.09 y	30:33	1.72	1060					106	4.78e+06	4.31e+06

PCB-54	3.17e+04	0.84	y	25:43	1.32	0.888	J	-	-	*			
PCB-50	3.43e+04	0.75	y	26:50	1.10	1.15	J	-	-	*			
PCB-53	1.13e+06	0.79	y	27:26	1.08	38.6		-	-	*			
PCB-51	4.32e+05	0.79	y	27:45	1.14	14.0		-	-	*			
PCB-45	9.95e+05	0.81	y	28:10	0.96	38.2		-	-	*			
PCB-46	4.02e+05	0.83	y	28:38	0.92	16.2		-	-	*			
PCB-52	1.09e+07	0.80	y	29:05	1.19	336		-	-	*	Co-elute PCB 69		
PCB-69	1.09e+07	0.80	y	29:05	1.19	336		-	-	*	Co-elute PCB 52		
PCB-73	1.46e+05	0.79	y	29:11	1.39	3.89		-	-	*			
PCB-43	7.03e+06	0.80	y	29:22	1.07	241		-	-	*	Co-elute PCB 49		
PCB-49	7.03e+06	0.80	y	29:22	1.07	241		-	-	*	Co-elute PCB 43		
PCB-47	2.75e+06	0.88	y	29:35	1.09	93.3		-	-	*			
PCB-48	1.96e+06	0.72	y	29:41	1.39	51.8		-	-	*	Co-elute PCB 75		
PCB-75	1.96e+06	0.72	y	29:41	1.39	51.8		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*		860	1040	0.466			
PCB-62	*	*	n	NotFnd	1.39	*		860	1040	0.465			
PCB-44	6.13e+06	0.82	y	30:23	0.93	243		-	-	*			
PCB-42	3.08e+06	0.79	y	30:38	1.19	95.2		-	-	*	Co-elute PCB 59		
PCB-59	3.08e+06	0.79	y	30:38	1.19	95.2		-	-	*	Co-elute PCB 42		
PCB-72	7.67e+06	0.79	y	31:16	1.34	211		-	-	*	Co-elute PCB 41/71/64		
PCB-41	7.67e+06	0.79	y	31:16	1.34	211		-	-	*	Co-elute PCB 72/71/64		
PCB-71	7.67e+06	0.79	y	31:16	1.34	211		-	-	*	Co-elute PCB 72/41/64		
PCB-64	7.67e+06	0.79	y	31:16	1.34	211		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.02e+05	0.78	y	31:33	1.52	2.47		-	-	*			
PCB-40	1.01e+06	0.82	y	31:42	0.85	43.7		-	-	*			
PCB-57	9.81e+04	0.80	y	31:55	1.43	2.53		-	-	*			
PCB-67	4.92e+05	0.77	y	32:12	1.44	12.6		-	-	*			
PCB-58	4.92e+04	0.86	y	32:18	1.47	1.23	J	-	-	*			
PCB-63	4.96e+05	0.77	y	32:27	1.49	12.3		-	-	*			
PCB-74	6.45e+06	0.79	y	32:43	1.43	166		-	-	*			
PCB-61	1.48e+07	0.80	y	32:55	1.34	406		-	-	*	Co-elute PCB 70		
PCB-70	1.48e+07	0.80	y	32:55	1.34	406		-	-	*	Co-elute PCB 61		
PCB-76	1.35e+07	0.78	y	33:06	1.52	327		-	-	*	Co-elute PCB 66		
PCB-66	1.35e+07	0.78	y	33:06	1.52	327		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*		860	1040	0.336			
PCB-55	2.93e+05	0.79	y	33:37	1.59	6.79		-	-	*			
13C-PCB-54	2.71e+07	0.82	y	25:41	1.06	997					99.8	3.25e+06	4.13e+06
PCB-104	*	*	n	NotFnd	1.19	*		308	364	0.368			
PCB-96	8.43e+04	1.54	y	31:31	1.13	3.77		-	-	*			
PCB-103	1.78e+05	1.40	y	31:55	0.97	9.31		-	-	*			
PCB-100	1.00e+05	1.45	y	32:16	0.97	5.20		-	-	*			
PCB-94	5.20e+04	1.49	y	32:41	0.81	3.26		-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*		308	364	0.504	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*		308	364	0.504	Co-elute PCB 98		
PCB-95	8.33e+06	1.56	y	33:11	0.94	447		-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*		308	364	0.484			
PCB-88	1.55e+06	1.60	y	33:33	0.99	79.4		-	-	*	Co-elute PCB 91		
PCB-91	1.55e+06	1.60	y	33:33	0.99	79.4		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*		308	364	0.382			
13C-PCB-104	1.98e+07	1.59	y	30:13	0.89	864					86.5	2.38e+06	1.48e+06
13C-PCB-28	4.92e+07	1.07	y	26:46	1.90	1010					101	6.52e+06	6.13e+06
13C-PCB-52	2.56e+07	0.80	y	29:04	-	5.03							

PCB-56	1.04e+07	0.80	y	34:04	1.24	216	-	-	*		Co-elute PCB 60	
PCB-60	1.04e+07	0.80	y	34:04	1.24	216	-	-	*		Co-elute PCB 56	
PCB-79	2.86e+05	0.73	y	35:05	1.25	5.88	-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*	900	1580	0.565			
PCB-81	4.41e+05	0.72	y	36:17	1.28	8.94	-	-	*			
13C-PCB-81	3.83e+07	0.79	y	36:13	1.63	1070				107	3.89e+06	5.01e+06
PCB-77	1.83e+06	0.77	y	36:48	1.14	40.8	-	-	*			
13C-PCB-77	3.93e+07	0.80	y	36:47	1.65	1080				108	3.96e+06	4.87e+06
PCB-155	*	*	n	NotFnd	1.10	*	432	436	0.384			
PCB-150	6.39e+04	1.14	y	35:31	1.03	2.82	-	-	*			
PCB-152	*	*	n	NotFnd	1.02	*	432	436	0.415			
PCB-145	*	*	n	NotFnd	1.03	*	432	436	0.411			
PCB-136	2.70e+06	1.28	y	36:42	0.97	126	-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*	432	436	0.526			
PCB-154	3.99e+05	1.37	y	37:16	0.87	20.7	-	-	*			
13C-PCB-155	2.20e+07	1.30	y	34:19	1.12	891				89.2	2.87e+06	2.24e+06
13C-PCB-111	2.52e+07	1.63	y	36:23	1.26	910				91.1	3.63e+06	2.20e+06
13C-PCB-101	2.20e+07	1.66	y	34:45	-	4.81						
PCB-84	5.42e+06	1.53	y	34:24	0.73	213	-	-	*		Co-elute PCB 92	
PCB-92	5.42e+06	1.53	y	34:24	0.73	213	-	-	*		Co-elute PCB 84	
PCB-89	1.72e+05	1.38	y	34:36	0.73	6.78	-	-	*			
PCB-90	1.65e+07	1.57	y	34:46	0.81	583	-	-	*		Co-elute PCB 101	
PCB-101	1.65e+07	1.57	y	34:46	0.81	583	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*	1040	920	0.698			
PCB-99	7.53e+06	1.56	y	35:05	0.91	238	-	-	*			
PCB-119	5.73e+05	1.57	y	35:31	1.04	15.8	-	-	*			
PCB-83	7.01e+05	1.50	y	35:40	0.80	25.0	-	-	*		Co-elute PCB 112	
PCB-112	7.01e+05	1.50	y	35:40	0.80	25.0	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*	1040	920	0.632			
PCB-97	4.24e+06	1.54	y	36:00	0.69	177	-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*	1040	920	0.926			
PCB-125	6.47e+06	1.57	y	36:17	0.93	200	-	-	*		Co-elute PCB 87/117	
PCB-87	6.47e+06	1.57	y	36:17	0.93	200	-	-	*		Co-elute PCB 125/117	
PCB-117	6.47e+06	1.57	y	36:17	0.93	200	-	-	*		Co-elute PCB 125/87	
PCB-111	3.92e+05	1.62	y	36:24	1.01	11.1	-	-	*		Co-elute PCB 115	
PCB-115	3.92e+05	1.62	y	36:24	1.01	11.1	-	-	*		Co-elute PCB 111	
PCB-85	2.58e+06	1.53	y	36:31	0.86	86.5	-	-	*		Co-elute PCB 116	
PCB-116	2.58e+06	1.53	y	36:31	0.86	86.5	-	-	*		Co-elute PCB 85	
PCB-120	9.85e+04	1.72	y	36:46	1.07	2.65	-	-	*			
PCB-110	2.03e+07	1.59	y	36:54	0.95	612	-	-	*			
PCB-82	1.41e+06	1.51	y	37:29	0.60	67.0	-	-	*			
PCB-124	1.08e+06	1.59	y	38:09	1.26	24.6	-	-	*			
PCB-108	1.74e+06	1.64	y	38:17	1.19	41.9	-	-	*		Co-elute PCB 107	
PCB-107	1.74e+06	1.64	y	38:17	1.19	41.9	-	-	*		Co-elute PCB 108	
PCB-123	4.11e+05	1.52	y	38:27	1.12	10.7	-	-	*			
13C-PCB-123	3.44e+07	1.58	y	38:26	1.36	1030				103	4.88e+06	3.01e+06
PCB-118	2.29e+07	1.63	y	38:37	1.16	552	-	-	*		Co-elute PCB 106	
PCB-106	2.29e+07	1.63	y	38:37	1.16	552	-	-	*		Co-elute PCB 118	
13C-PCB-118	3.56e+07	1.62	y	38:35	1.43	1010				102	5.25e+06	3.29e+06
PCB-114	5.63e+05	1.66	y	39:13	1.27	12.6	-	-	*			
13C-PCB-114	3.51e+07	1.62	y	39:13	1.36	1050				105	4.64e+06	2.85e+06
PCB-122	2.93e+05	1.59	y	39:22	1.13	7.41	-	-	*			
PCB-105	9.41e+06	1.62	y	40:03	1.26	219	-	-	*			
13C-PCB-105	3.41e+07	1.58	y	40:01	1.35	1030				103	4.82e+06	3.08e+06

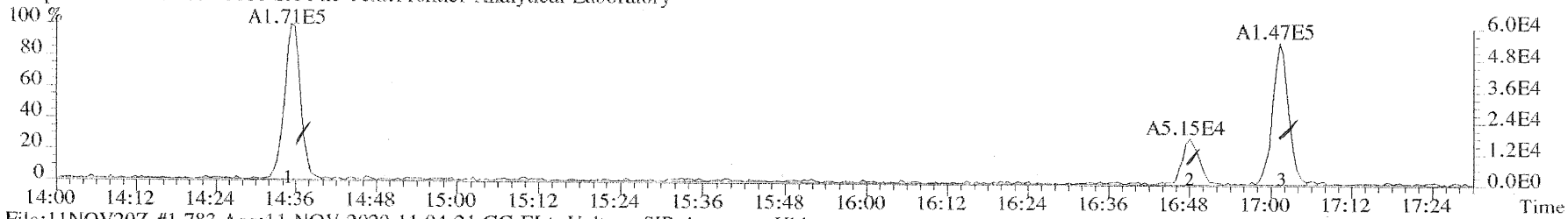
PCB-127	*	*	n	NotFnd	1.14	*	1700	1240	0.808			
PCB-126	1.51e+05	1.48	y	42:09	1.19	3.66	-	-	*			
13C-PCB-126	3.45e+07	1.60	y	42:08	1.33	1050				106	4.63e+06	2.92e+06
PCB-151	4.88e+06	1.24	y	37:53	0.91	192	-	-	*			
PCB-135	2.68e+06	1.23	y	38:06	0.92	104	-	-	*			
PCB-144	1.07e+06	1.31	y	38:12	0.91	41.8	-	-	*			
PCB-147	4.71e+05	1.34	y	38:19	0.96	17.6	-	-	*			
PCB-139	1.92e+07	1.25	y	38:34	0.99	690	-	-	*	Co-elute PCB 149		
PCB-149	1.92e+07	1.25	y	38:34	0.99	690	-	-	*	Co-elute PCB 139		
PCB-140	1.66e+05	1.28	y	38:44	0.96	6.17	-	-	*			
PCB-143	1.10e+06	1.30	y	39:10	0.81	48.4	-	-	*	Co-elute PCB 134		
PCB-134	1.10e+06	1.30	y	39:10	0.81	48.4	-	-	*	Co-elute PCB 143		
PCB-131	6.04e+05	1.26	y	39:25	0.81	26.8	-	-	*	Co-elute PCB 133		
PCB-133	6.04e+05	1.26	y	39:25	0.81	26.8	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.82	*	940	720	0.802			
PCB-165	3.78e+06	1.25	y	39:48	1.06	127	-	-	*	Co-elute PCB 146		
PCB-146	3.78e+06	1.25	y	39:48	1.06	127	-	-	*	Co-elute PCB 165		
PCB-161	6.53e+06	1.22	y	40:03	1.02	229	-	-	*	Co-elute PCB 132		
PCB-132	6.53e+06	1.22	y	40:03	1.02	229	-	-	*	Co-elute PCB 161		
PCB-153	2.66e+07	1.27	y	40:11	1.06	899	-	-	*			
PCB-168	*	*	n	NotFnd	1.17	*	940	720	0.560			
PCB-141	4.02e+06	1.24	y	40:52	0.91	157	-	-	*			
PCB-137	9.28e+05	1.17	y	41:15	0.96	34.4	-	-	*			
PCB-130	1.37e+06	1.28	y	41:20	0.78	62.8	-	-	*			
PCB-138	2.80e+07	1.25	y	41:41	1.10	908	-	-	*	Co-elute PCB 163/164		
PCB-163	2.80e+07	1.25	y	41:41	1.10	908	-	-	*	Co-elute PCB 138/164		
PCB-164	2.80e+07	1.25	y	41:41	1.10	908	-	-	*	Co-elute PCB 138/163		
PCB-158	3.18e+06	1.31	y	41:55	1.22	93.4	-	-	*	Co-elute PCB 160		
PCB-160	3.18e+06	1.31	y	41:55	1.22	93.4	-	-	*	Co-elute PCB 158		
PCB-129	8.32e+05	1.23	y	42:09	0.79	37.4	-	-	*			
PCB-166	1.14e+05	1.24	y	42:36	1.19	3.41	-	-	*			
PCB-159	3.26e+05	1.34	y	42:57	1.32	8.83	-	-	*			
PCB-128	3.93e+06	1.25	y	43:09	1.06	133	-	-	*	Co-elute PCB 162		
PCB-162	3.93e+06	1.25	y	43:09	1.06	133	-	-	*	Co-elute PCB 128		
PCB-167	1.27e+06	1.24	y	43:32	1.19	37.8	-	-	*			
13C-PCB-167	2.82e+07	1.30	y	43:32	1.17	983				98.4	3.31e+06	2.53e+06
PCB-156	3.12e+06	1.26	y	44:46	1.28	86.9	-	-	*			
13C-PCB-156	2.80e+07	1.30	y	44:44	1.16	982				98.3	3.73e+06	2.79e+06
PCB-157	6.66e+05	1.29	y	45:01	1.22	19.4	-	-	*			
13C-PCB-157	2.81e+07	1.29	y	44:59	1.18	967				96.8	3.39e+06	2.69e+06
PCB-169	*	*	n	NotFnd	1.14	*	940	720	0.515			
13C-PCB-169	2.77e+07	1.27	y	46:51	1.19	944				94.5	3.95e+06	3.11e+06

FAL ID: 13416-004-0001-SA Filename: 11NOV20Z Sam:6 Acquired: 11-NOV-20 11:04:21 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CD-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.01

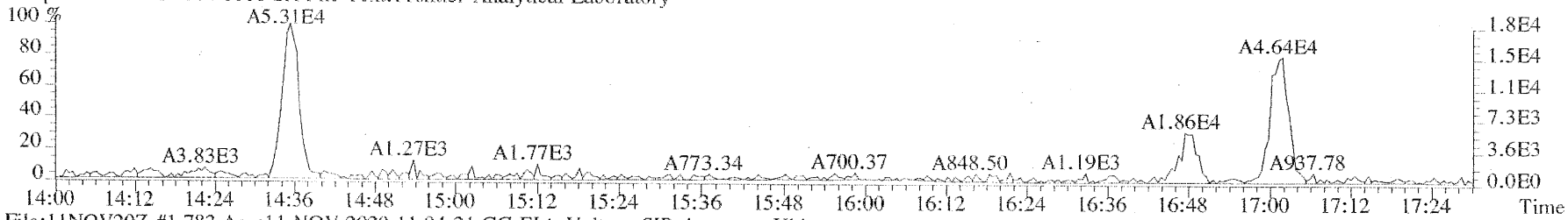
PCB-188	*	*	n	NotFnd	1.15	*	620	516	0.512				
13C-PCB-188	2.12e+07	1.08	y	39:48	0.96	905				90.6	2.52e+06	2.28e+06	
PCB-184	*	*	n	NotFnd	1.26	*	620	516	0.401				
PCB-179	2.91e+06	1.08	y	40:59	1.19	118	-	-	*				
PCB-176	1.04e+06	1.10	y	41:25	1.16	43.2	-	-	*				
PCB-186	*	*	n	NotFnd	1.18	*	620	516	0.427				
PCB-178	1.09e+06	1.03	y	42:28	0.86	60.5	-	-	*				
PCB-175	2.65e+05	1.08	y	42:47	0.92	13.8	-	-	*				
PCB-187	7.40e+06	1.04	y	42:56	0.99	358	-	-	*		Co-elute PCB 182		
PCB-182	7.40e+06	1.04	y	42:56	0.99	358	-	-	*		Co-elute PCB 187		
PCB-183	3.75e+06	1.05	y	43:15	0.96	187	-	-	*				
PCB-185	6.24e+05	1.03	y	43:53	0.91	32.8	-	-	*				
PCB-174	5.10e+06	1.08	y	44:13	0.94	261	-	-	*				
PCB-181	*	*	n	NotFnd	0.92	*	620	516	0.547				
PCB-177	3.03e+06	1.07	y	44:29	0.86	169	-	-	*				
PCB-171	1.58e+06	1.08	y	44:46	0.89	84.7	-	-	*				
PCB-173	1.10e+05	1.05	y	45:11	0.82	6.44	-	-	*				
PCB-172	8.94e+05	1.08	y	45:34	0.87	49.5	-	-	*				
PCB-192	*	*	n	NotFnd	1.11	*	620	516	0.456				
PCB-180	1.16e+07	1.07	y	45:53	0.86	647	-	-	*				
PCB-193	7.93e+05	1.10	y	46:03	1.16	32.7	-	-	*				
PCB-191	2.89e+05	1.02	y	46:16	1.14	12.2	-	-	*				
PCB-170	5.06e+06	1.05	y	47:11	0.85	284	-	-	*				
PCB-190	1.44e+06	1.07	y	47:19	1.10	63.0	-	-	*				
PCB-189	2.86e+05	1.04	y	48:31	1.08	13.0	-	-	*				
13C-PCB-189	2.04e+07	1.08	y	48:30	0.95	877				87.8	3.52e+06	3.30e+06	
PCB-202	6.65e+05	0.91	y	44:57	1.05	37.5	-	-	*				
PCB-201	4.44e+05	0.92	y	45:24	1.15	22.8	-	-	*				
PCB-204	*	*	n	NotFnd	1.17	*	484	550	0.592				
PCB-197	1.50e+05	0.89	y	45:47	1.17	7.58	-	-	*				
PCB-200	3.88e+05	0.88	y	46:31	1.16	19.8	-	-	*				
PCB-198	1.00e+05	0.79	y	47:42	0.81	7.33	-	-	*				
PCB-199	2.33e+06	0.92	y	47:47	0.83	167	-	-	*				
PCB-203	2.96e+06	0.90	y	48:02	0.90	195	-	-	*		Co-elute PCB 196		
PCB-196	2.96e+06	0.90	y	48:02	0.90	195	-	-	*		Co-elute PCB 203		
13C-PCB-202	1.69e+07	0.89	y	44:56	0.80	861				86.2	1.78e+06	1.94e+06	
13C-PCB-178	1.55e+07	1.11	y	42:26	0.76	825				82.6	1.84e+06	1.65e+06	
13C-PCB-138	2.45e+07	1.29	y	41:40	-	5.09							
PCB-195	1.58e+06	0.89	y	49:06	0.91	63.8	-	-	*				
PCB-194	4.05e+06	0.90	y	49:54	0.93	159	-	-	*				
PCB-205	2.72e+05	0.84	y	50:09	1.16	8.58	-	-	*				
13C-PCB-205	2.72e+07	0.91	y	50:08	1.26	951				95.2	4.20e+06	4.80e+06	
PCB-208	5.10e+05	1.39	y	49:14	1.13	20.3	-	-	*				
13C-PCB-208	2.23e+07	0.80	y	49:13	1.06	928				92.9	3.40e+06	4.27e+06	
PCB-207	2.55e+05	1.36	y	49:31	1.31	9.91	-	-	*				
PCB-206	1.53e+06	1.33	y	51:20	1.15	78.3	-	-	*				
13C-PCB-206	1.70e+07	0.83	y	51:20	0.81	926				92.7	2.68e+06	3.22e+06	
PCB-209	6.17e+05	1.20	y	52:32	1.24	31.7	-	-	*				
13C-PCB-209	1.57e+07	1.24	y	52:31	0.87	796				79.6	2.95e+06	2.39e+06	
13C-PCB-194	2.27e+07	0.92	y	49:53	-	5.02							

Analyst: _____ Date: 11/11/20

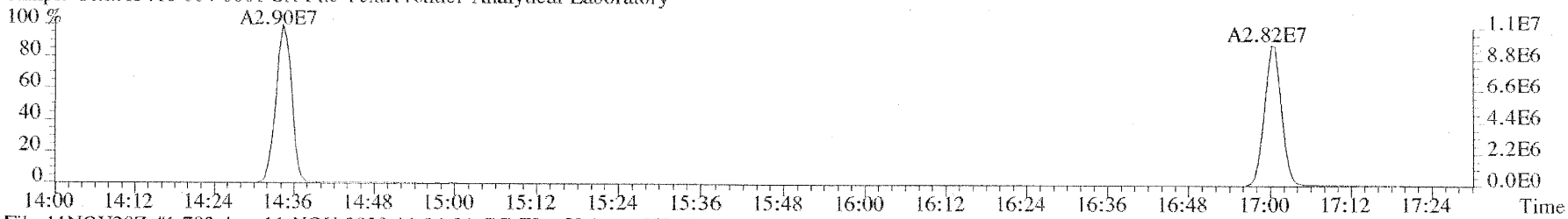
File:11NOV20Z #1-783 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



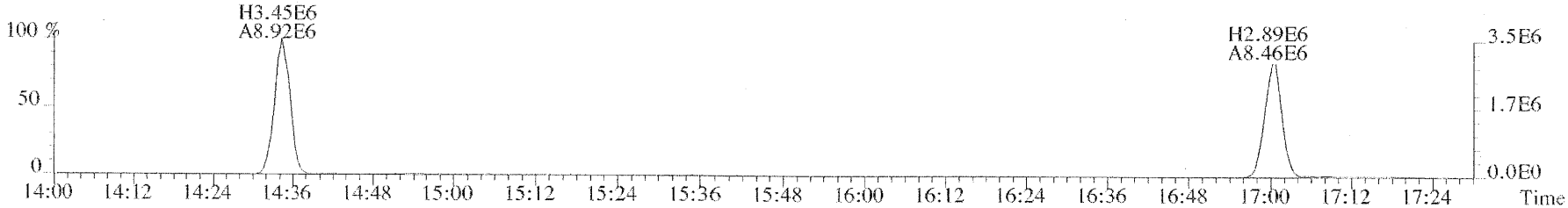
File:11NOV20Z #1-783 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



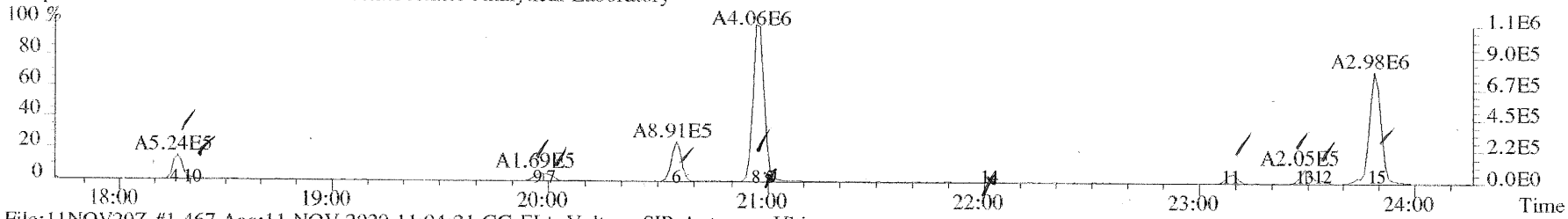
File:11NOV20Z #1-783 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



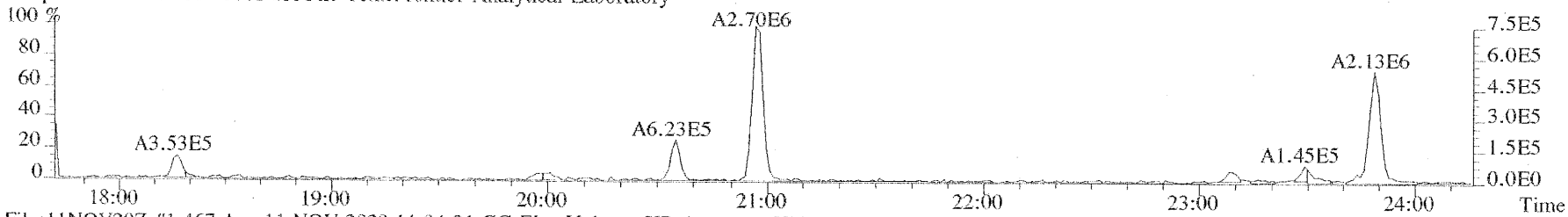
File:11NOV20Z #1-783 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



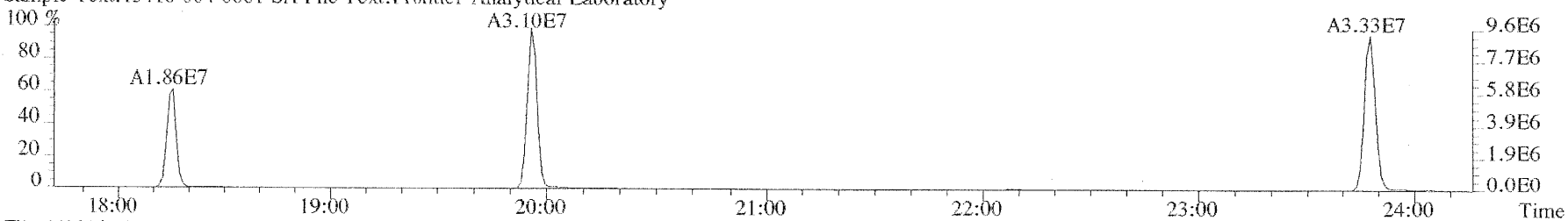
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



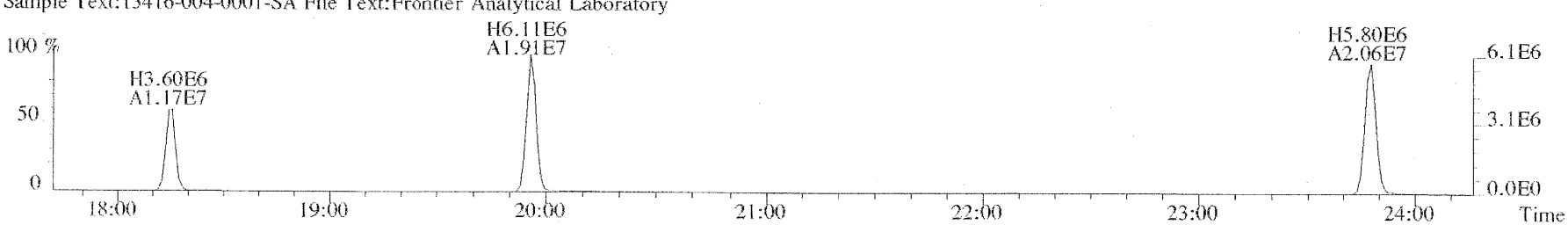
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



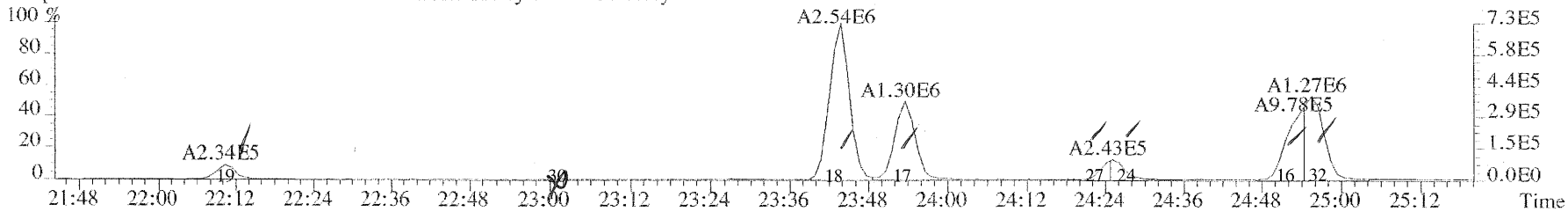
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



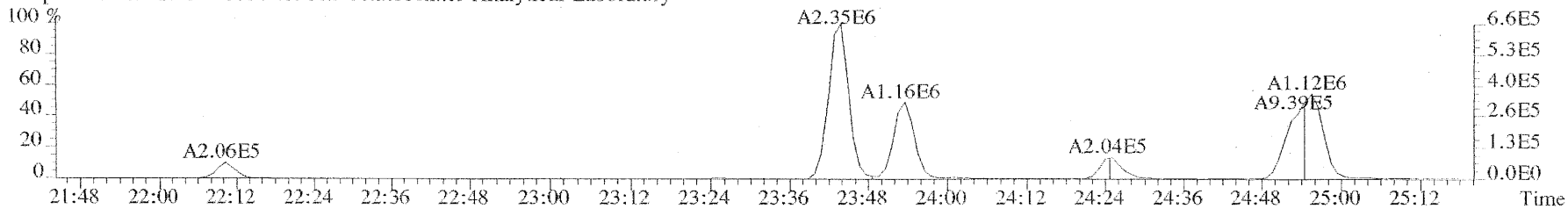
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



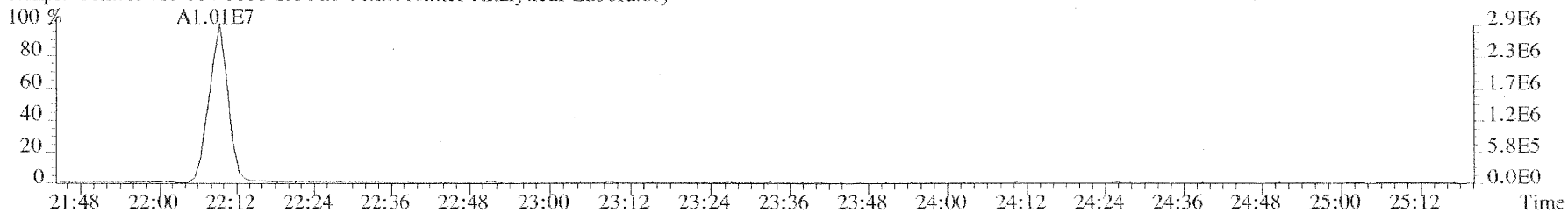
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



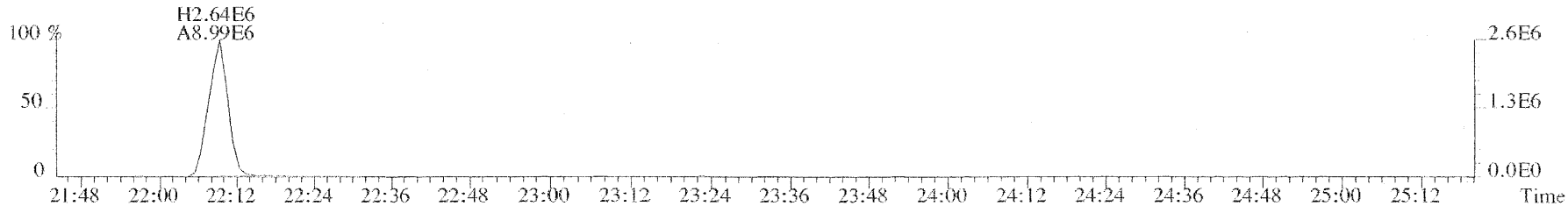
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



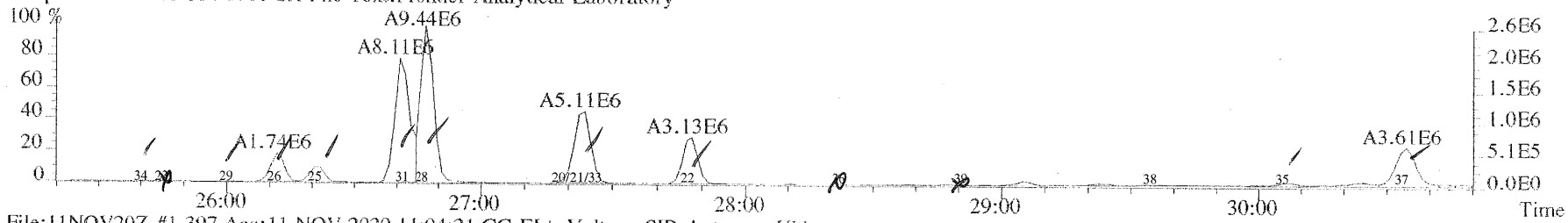
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



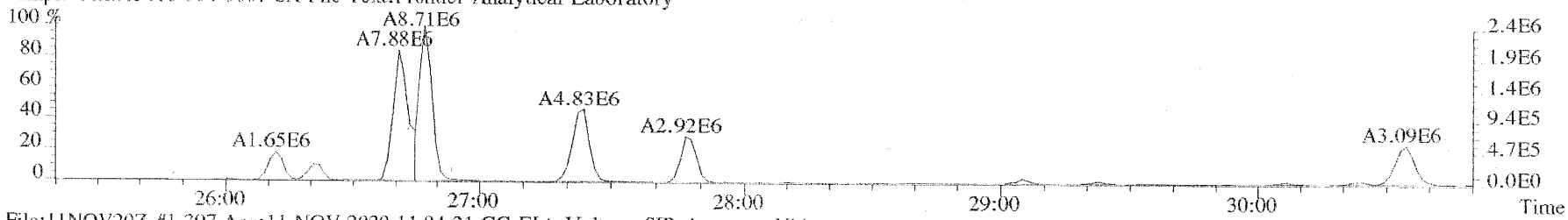
File:11NOV20Z #1-467 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



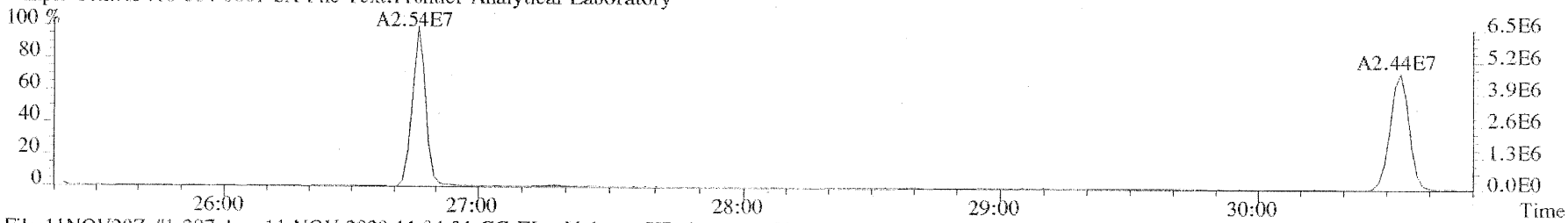
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



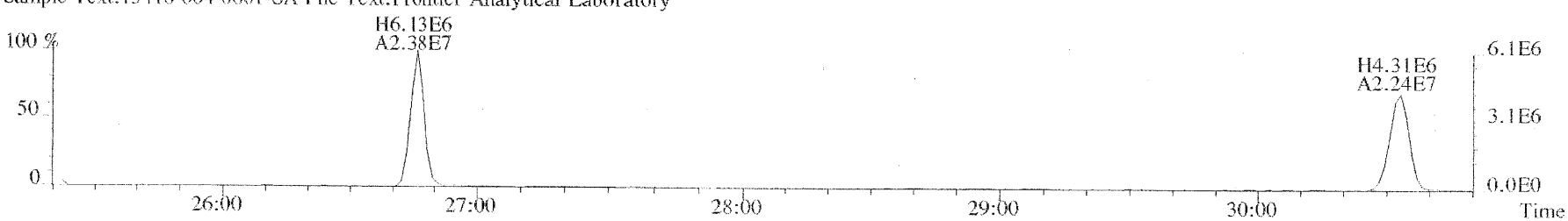
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



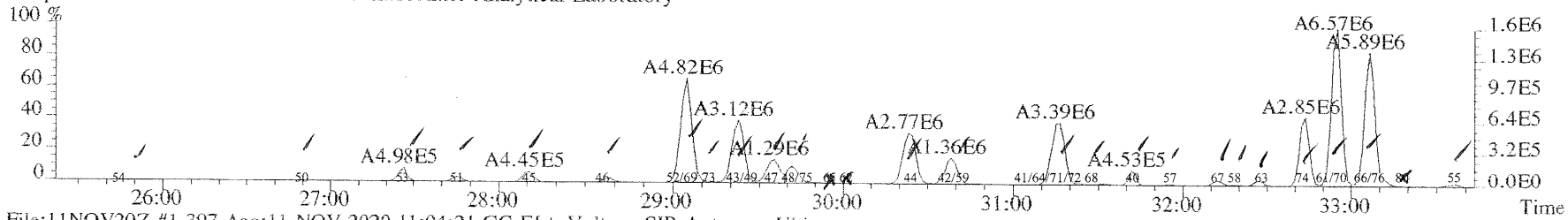
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



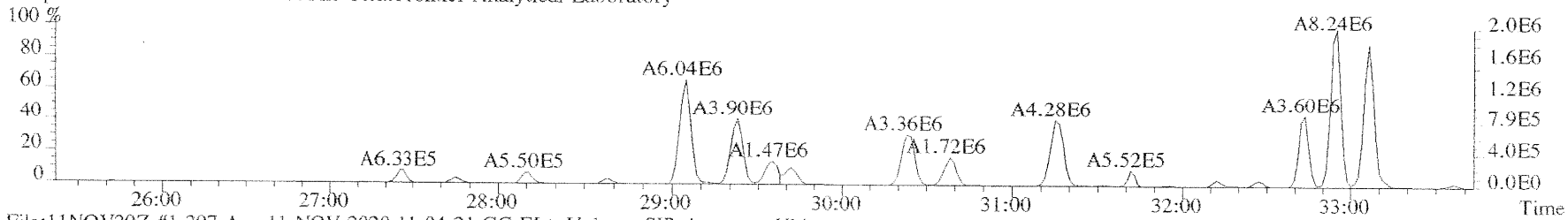
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



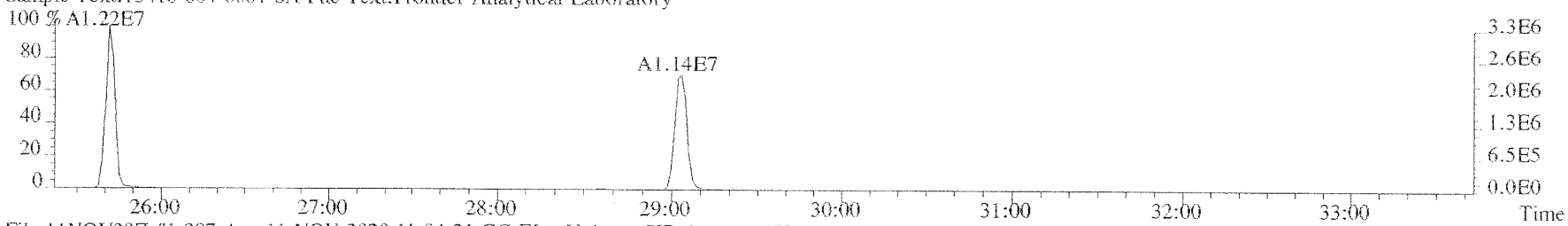
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



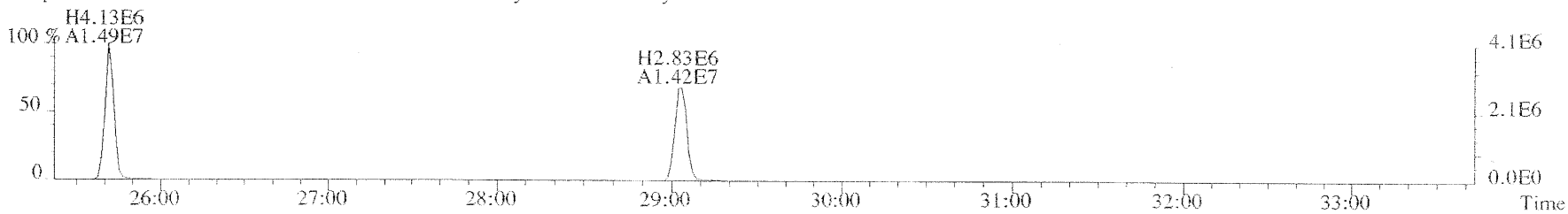
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



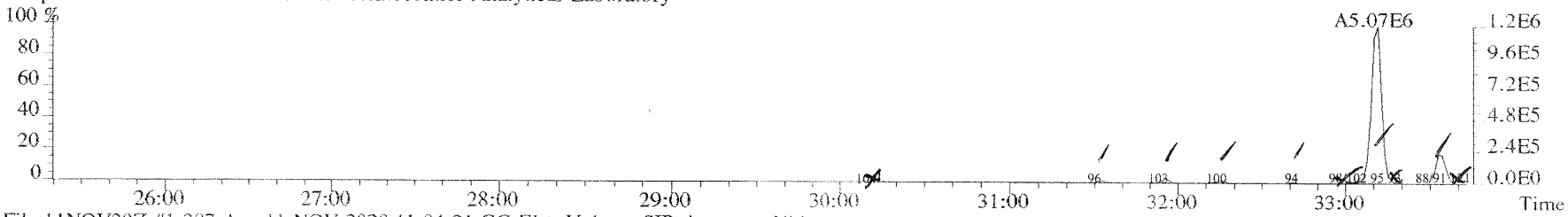
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



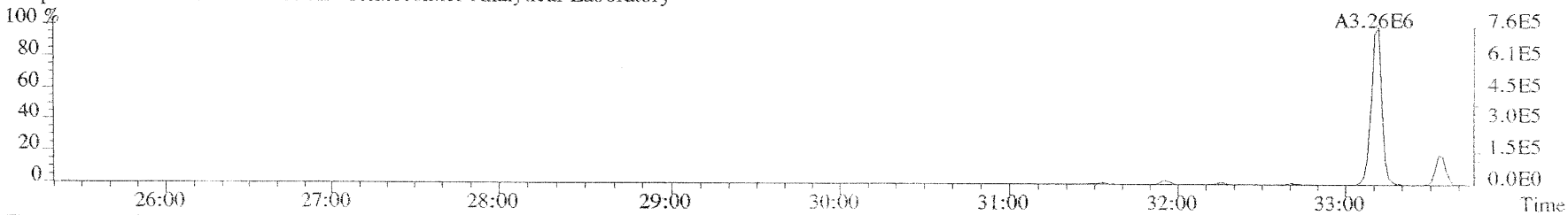
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



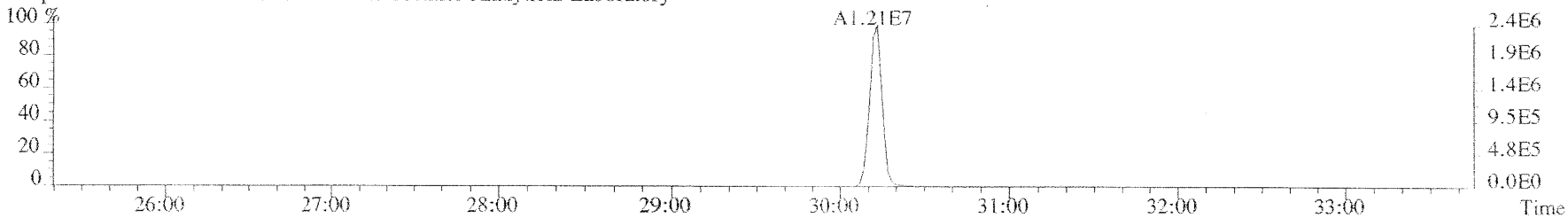
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



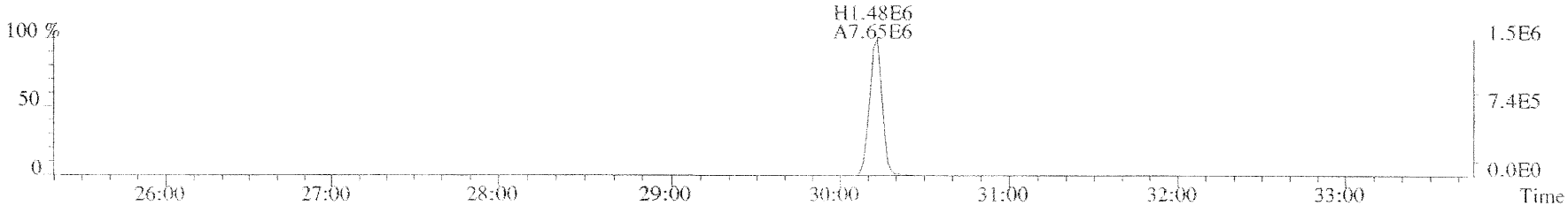
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



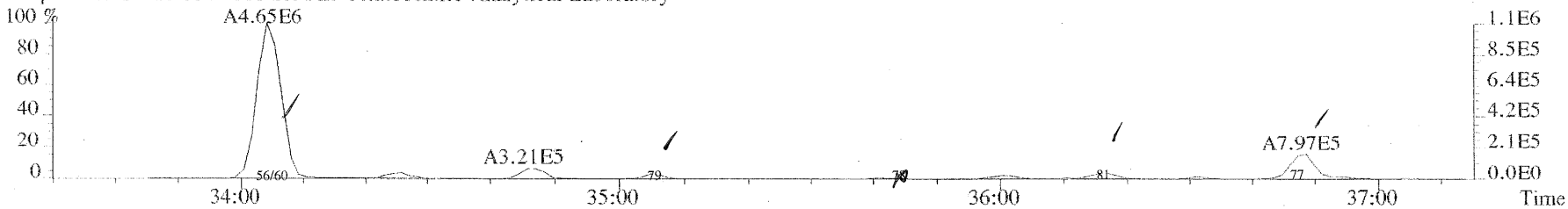
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



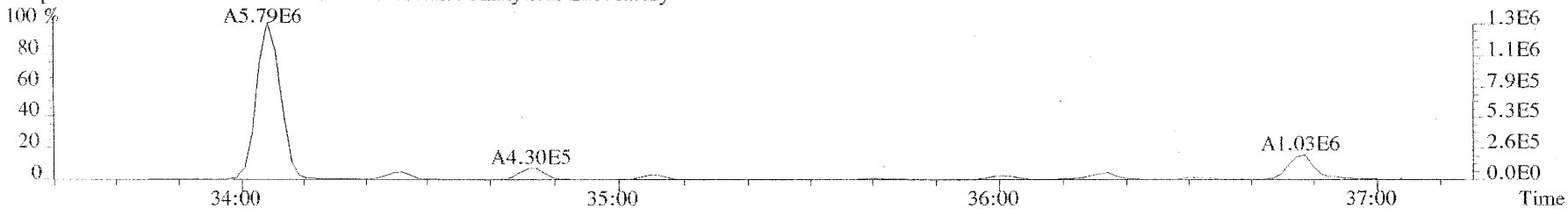
File:11NOV20Z #1-397 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



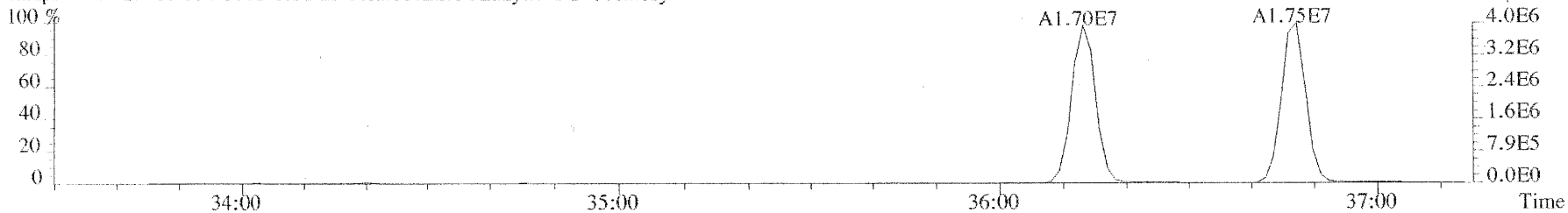
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



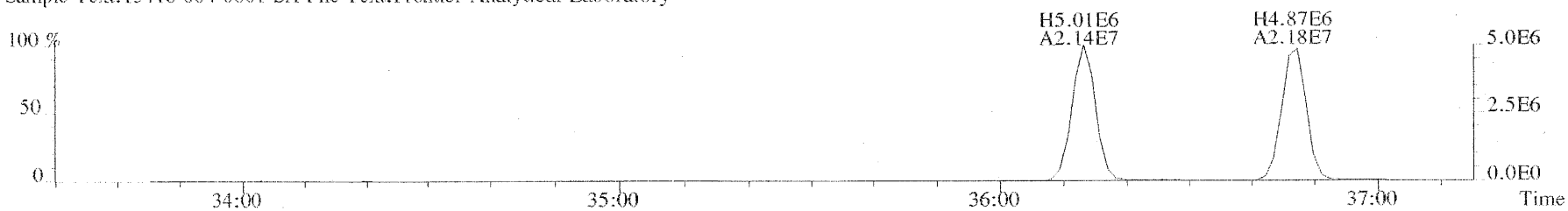
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



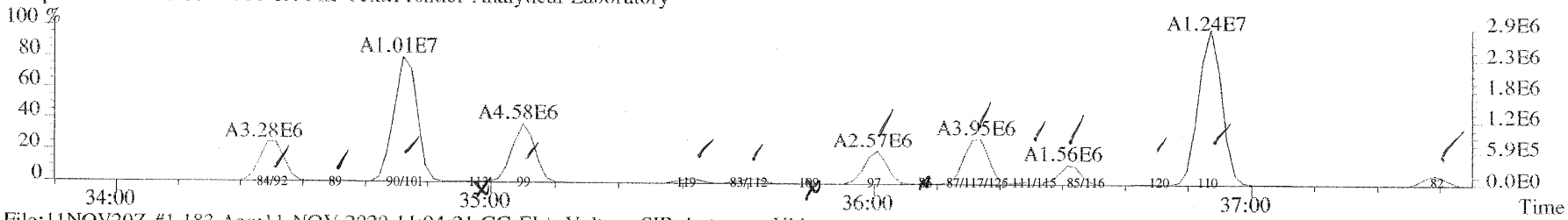
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



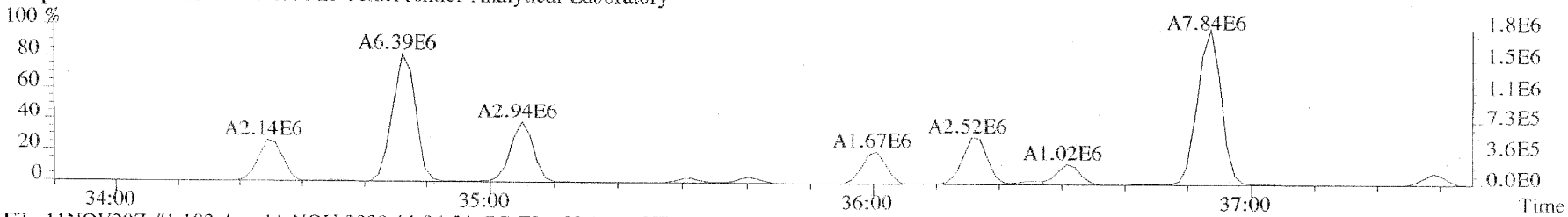
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



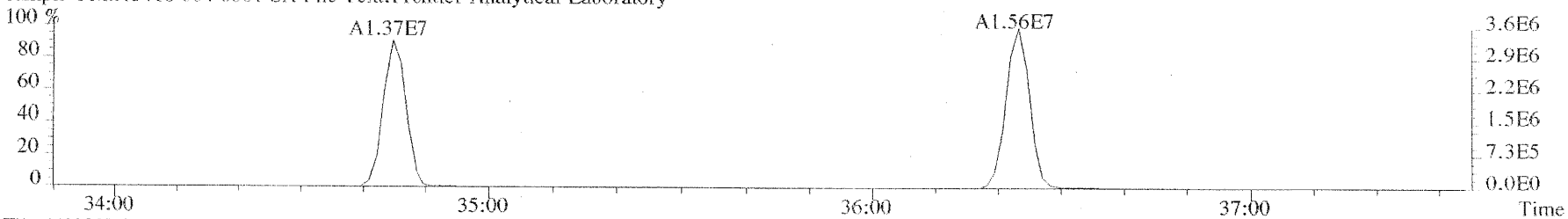
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



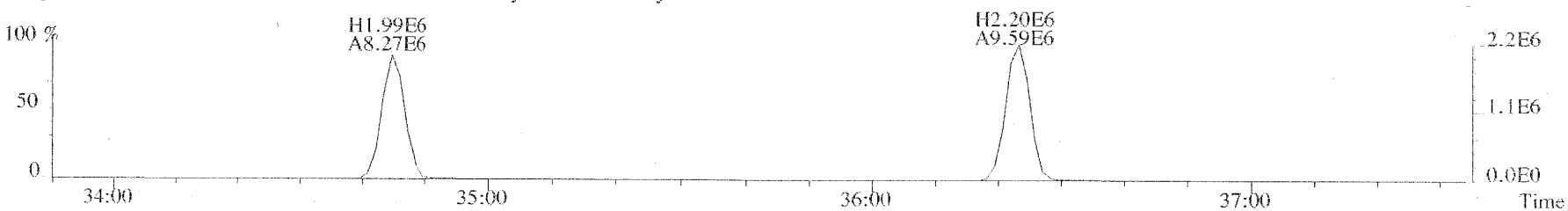
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



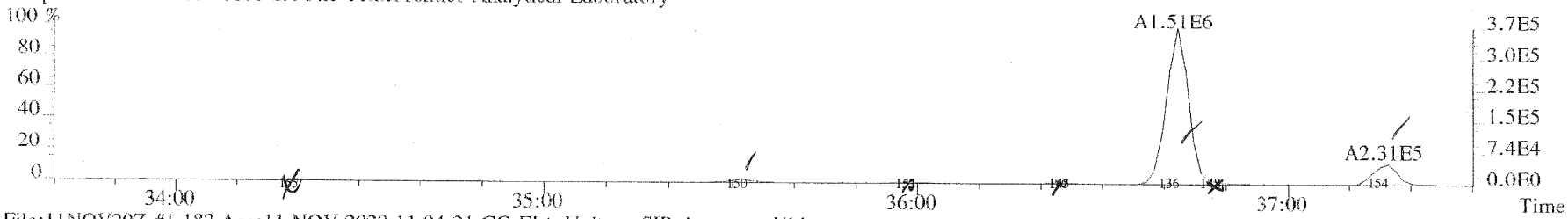
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



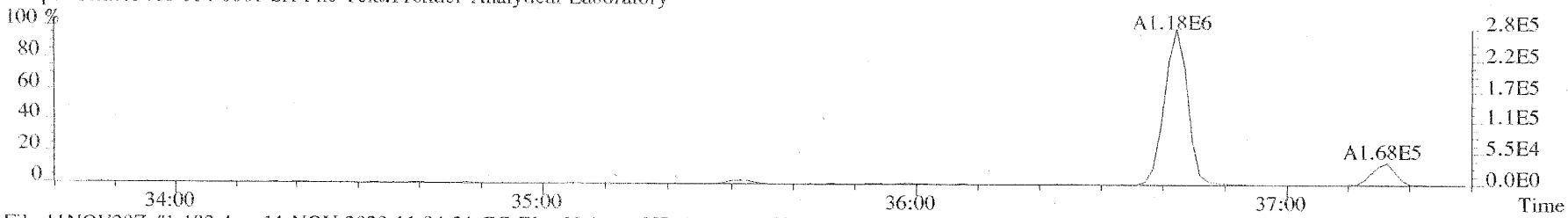
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



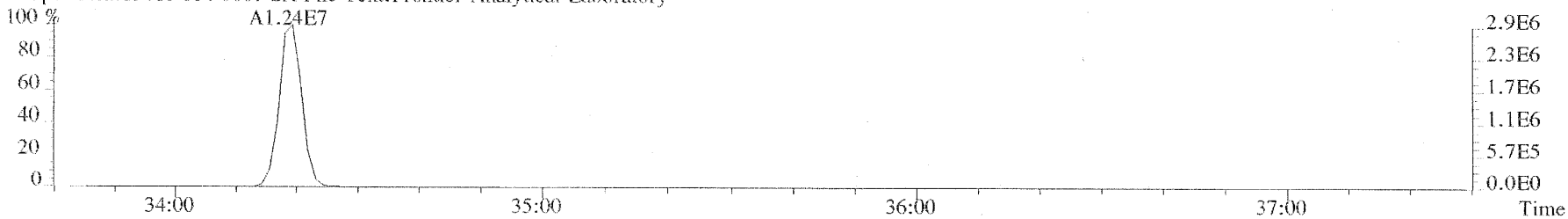
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



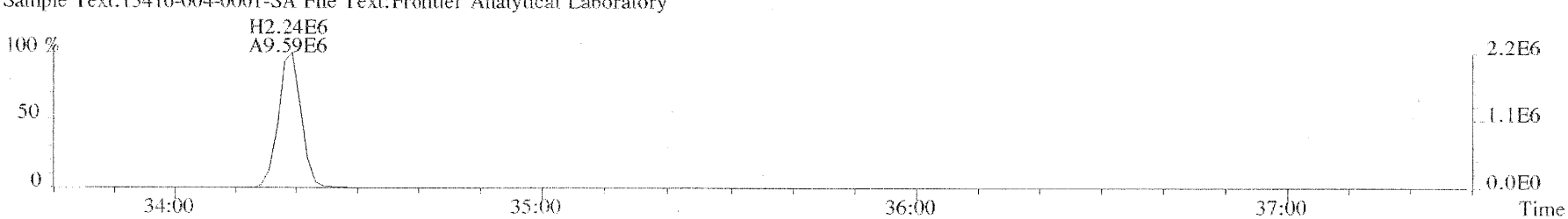
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



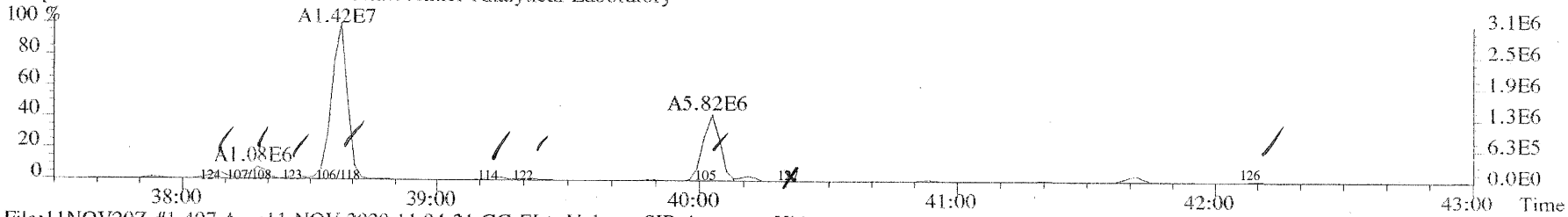
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



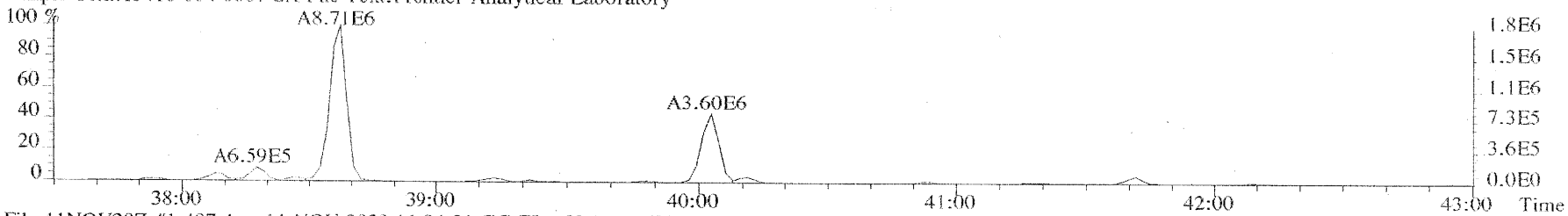
File:11NOV20Z #1-183 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



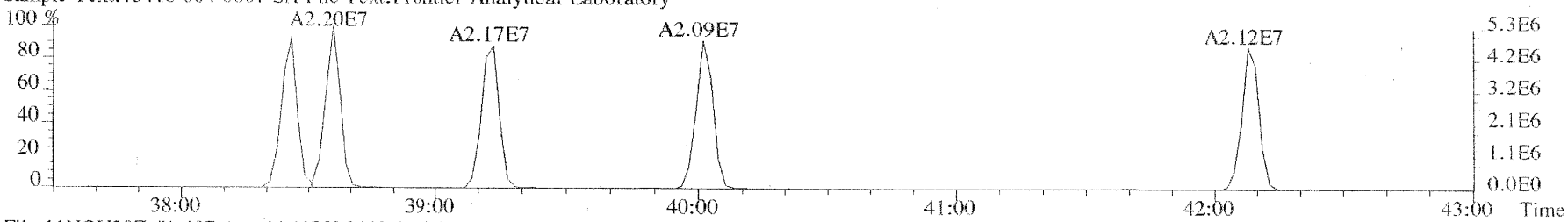
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



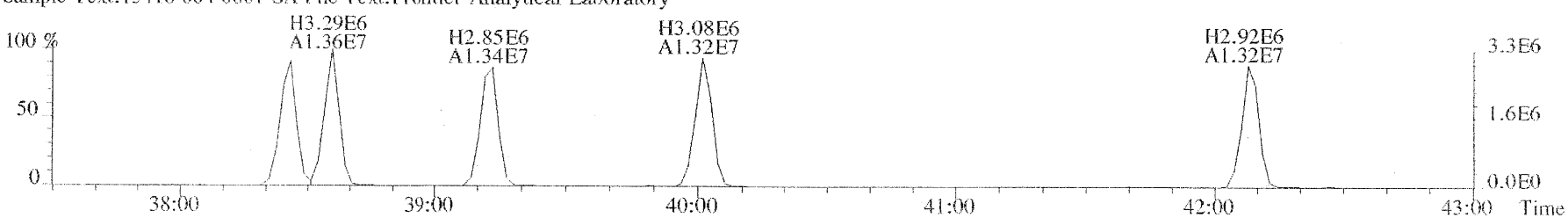
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



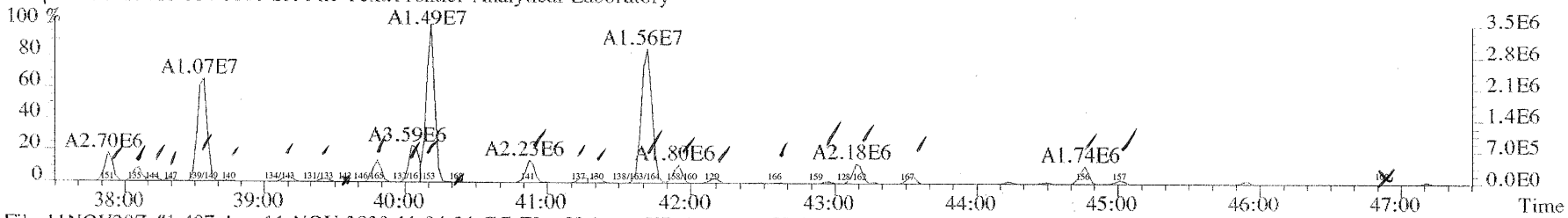
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



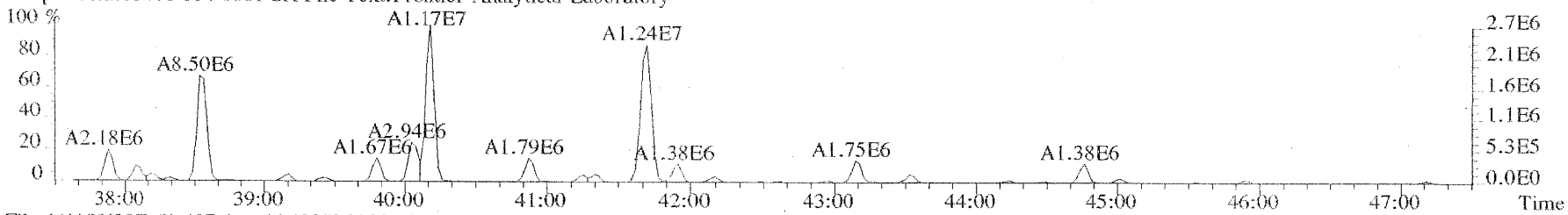
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



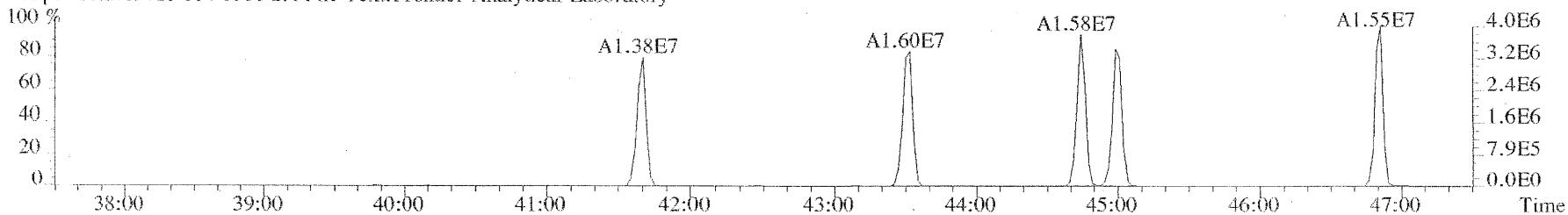
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



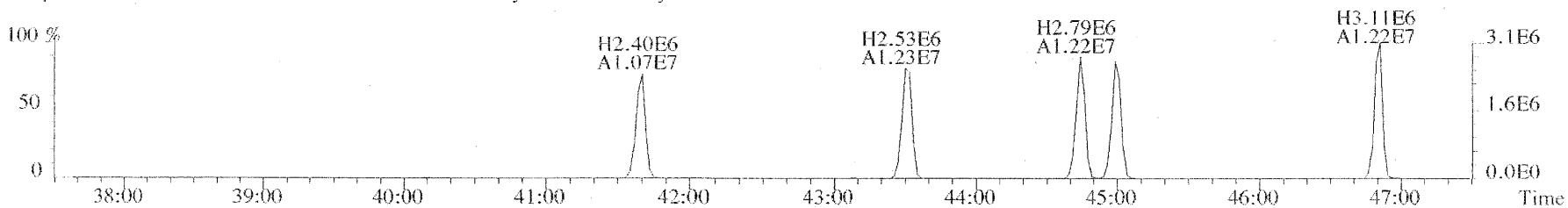
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



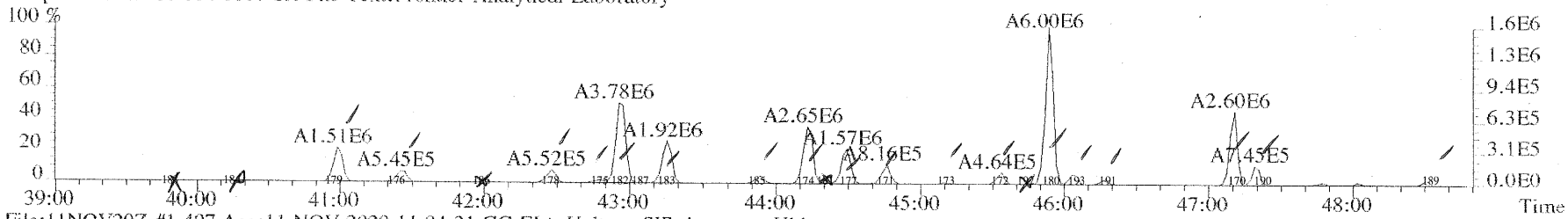
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



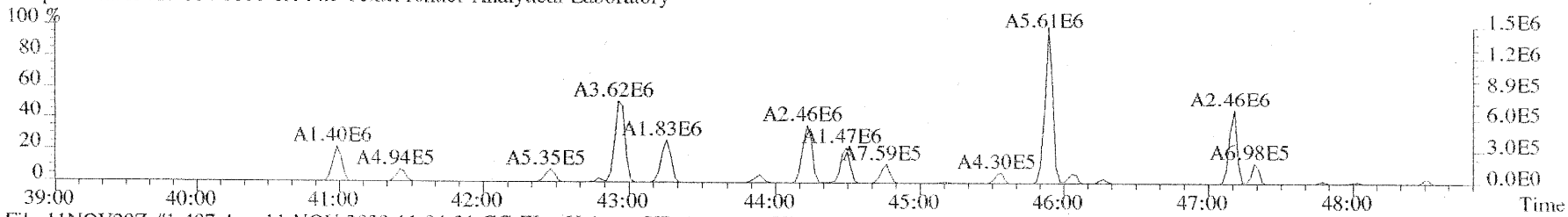
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



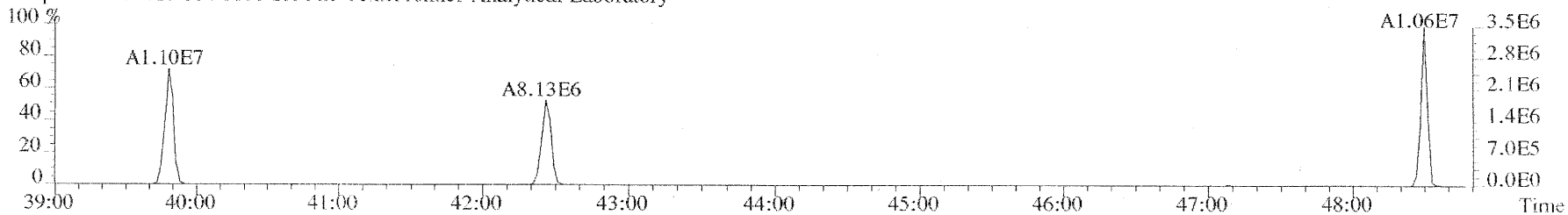
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



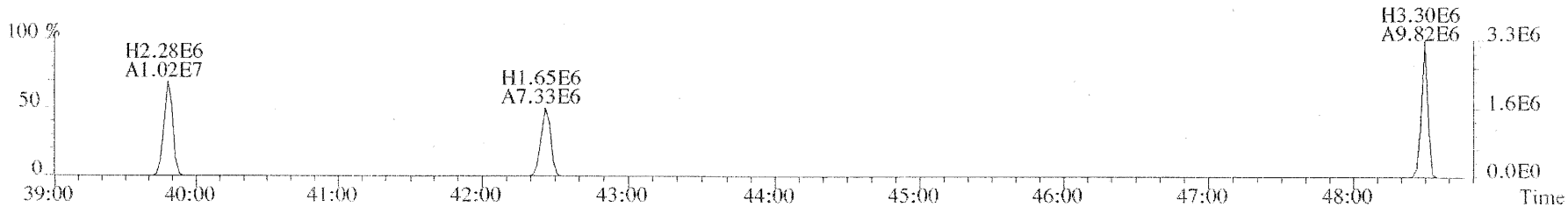
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



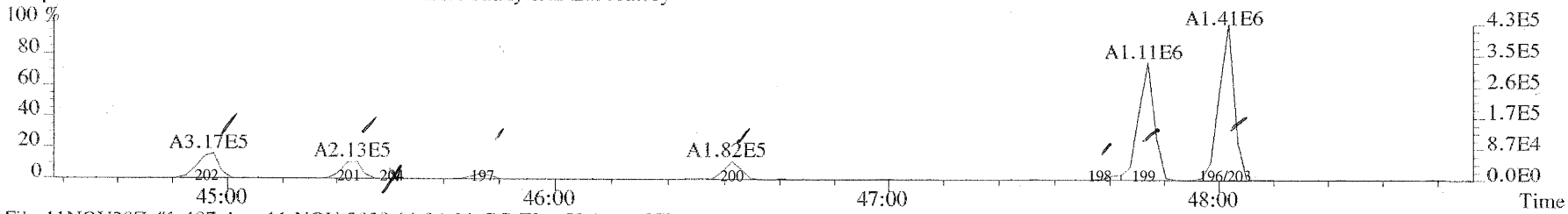
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



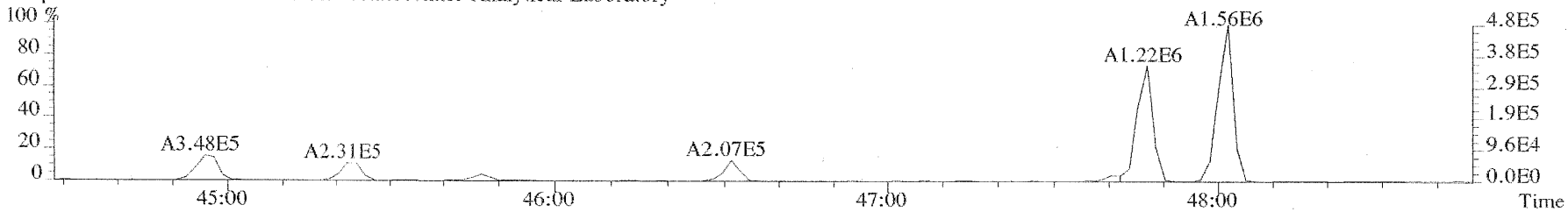
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



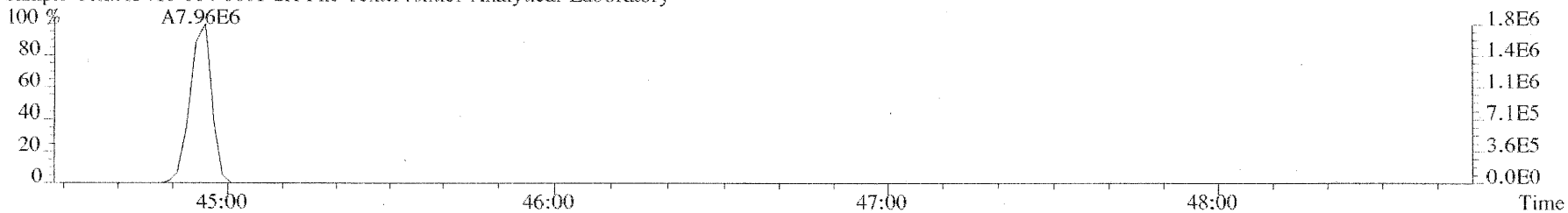
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



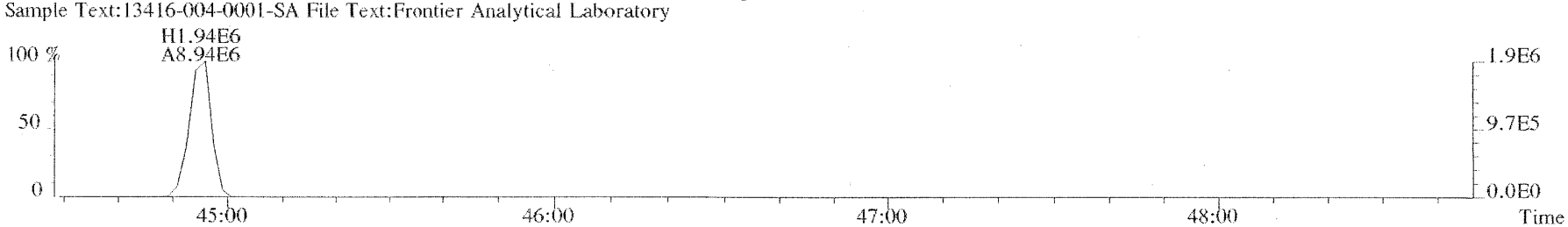
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



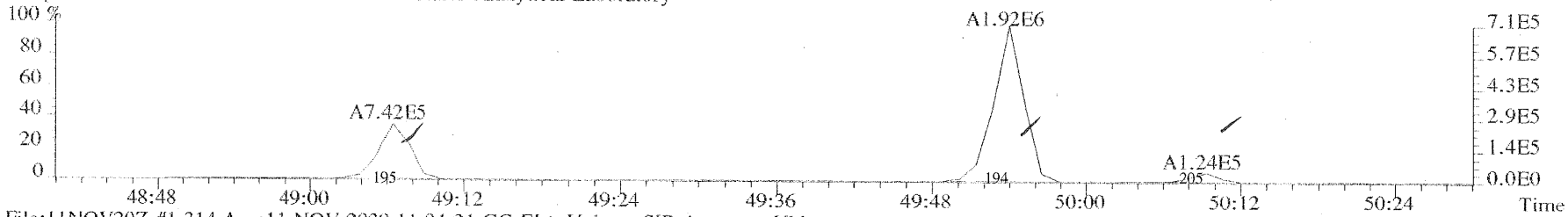
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



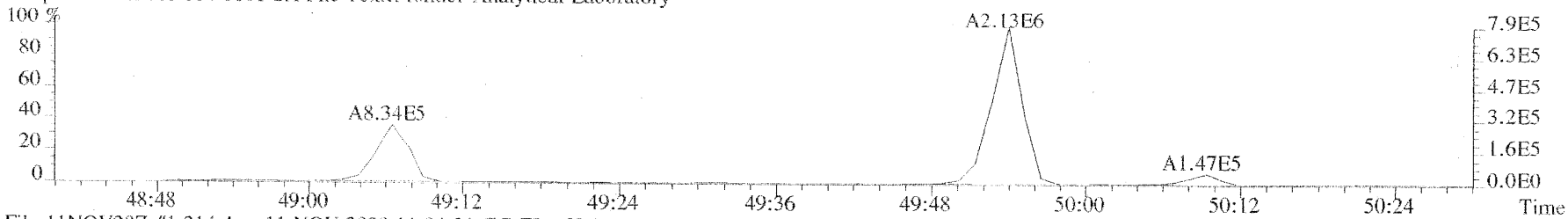
File:11NOV20Z #1-407 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



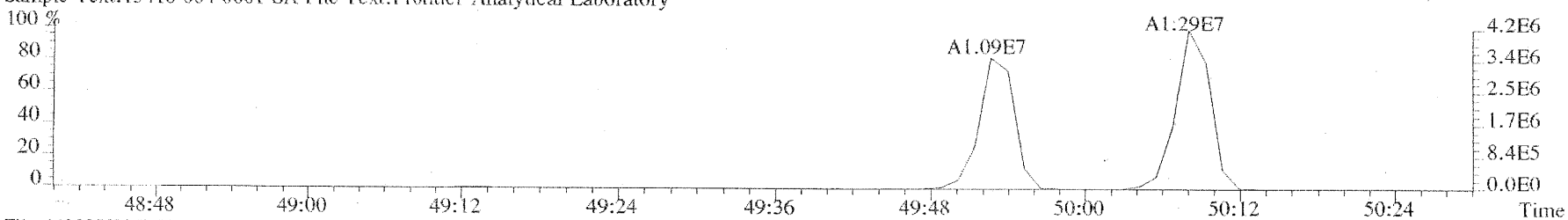
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



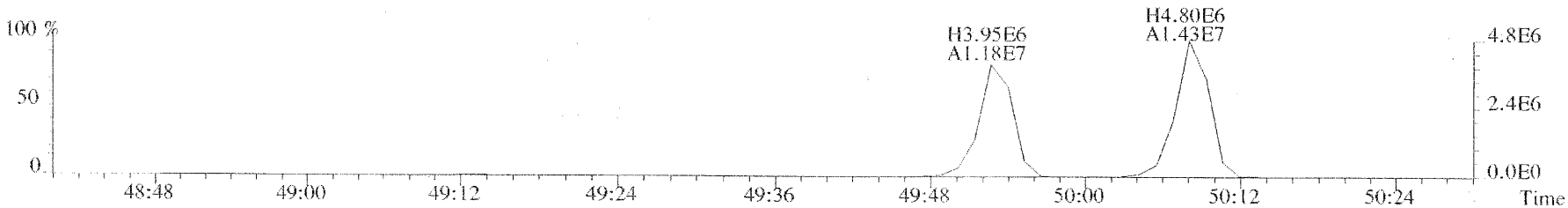
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



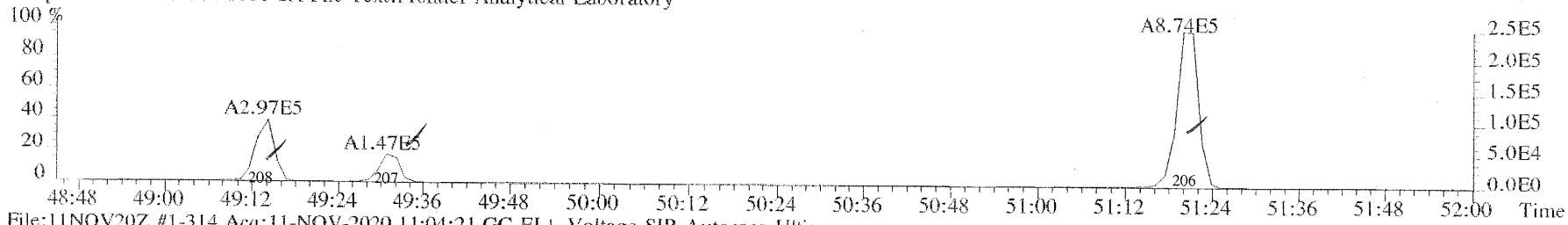
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



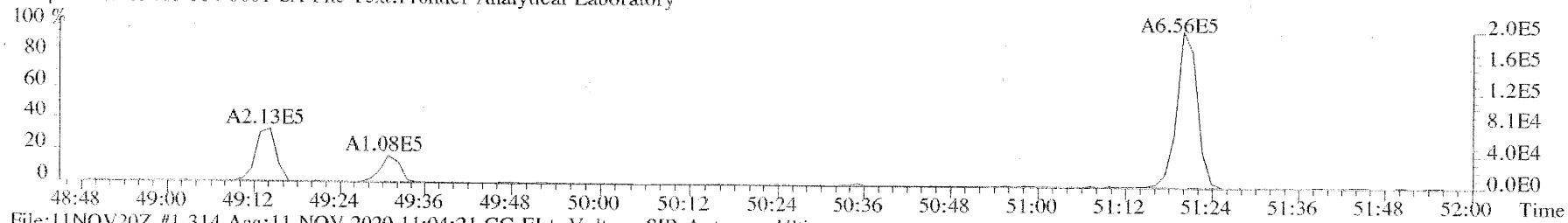
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



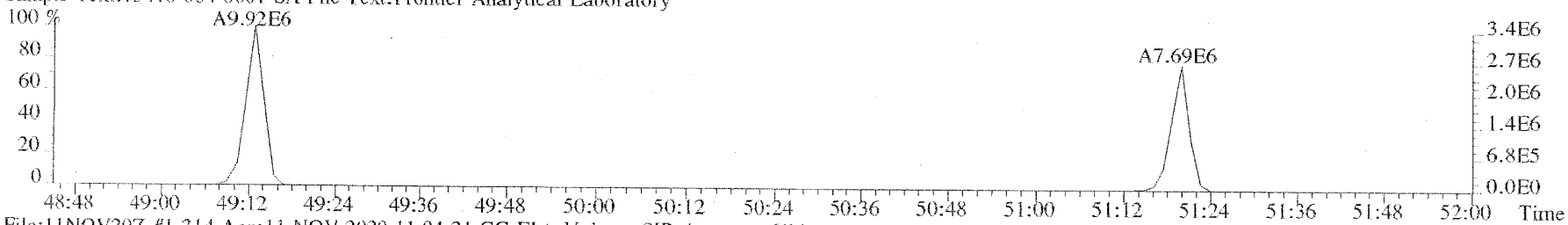
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



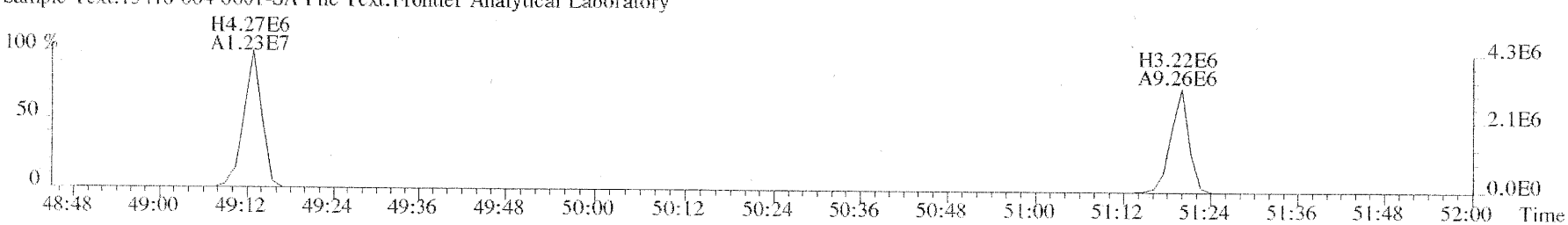
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



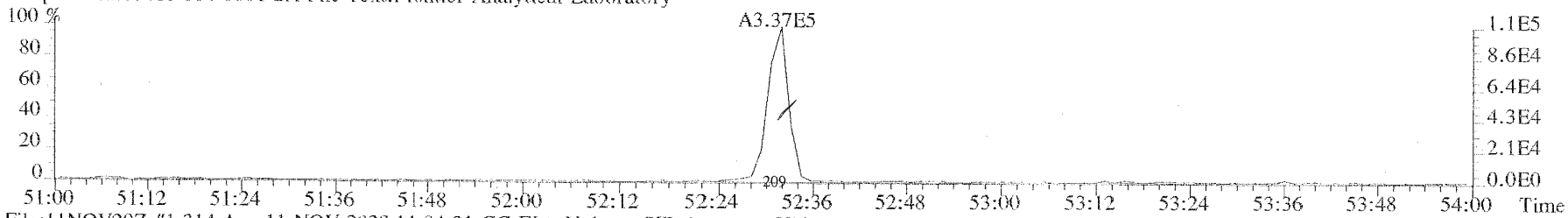
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



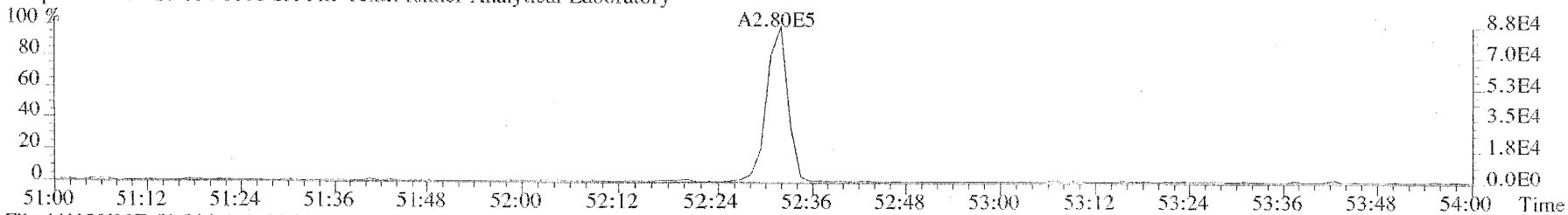
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



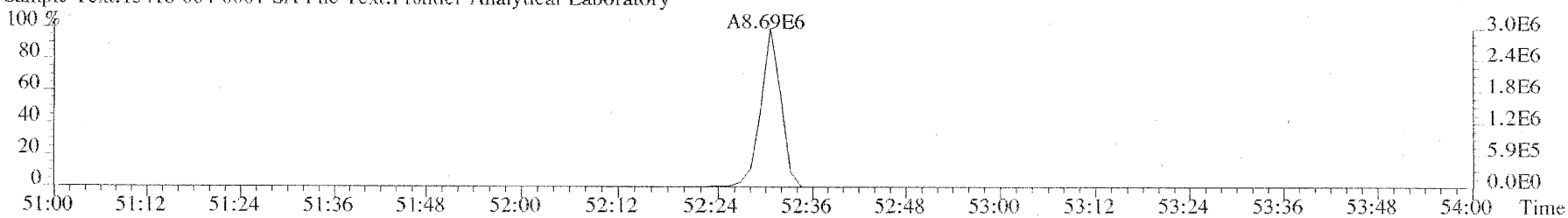
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



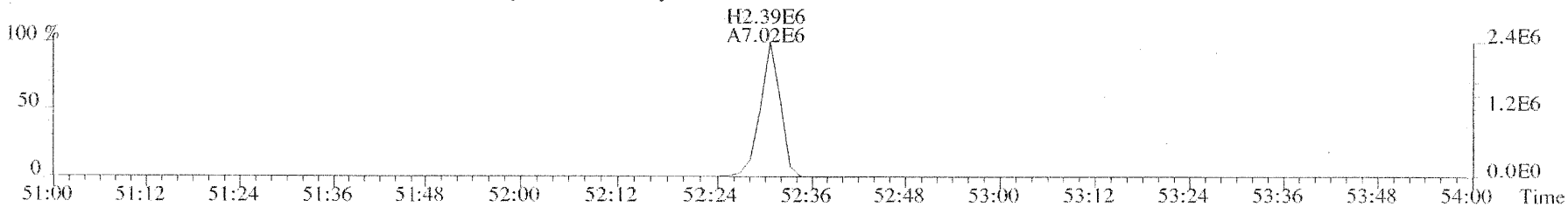
File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-004-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 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:13416-004-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 11:04:21 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:13416-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-006-0001-SA Filename: 11NOV20Z Sam:7 Acquired: 11-NOV-20 12:02:42 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.05

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	8.45e+05	3.07 y	14:34	1.30	25.3		-	-	*			
13C-PCB-1	2.56e+07	3.24 y	14:33	0.83	864					86.9	6.93e+06	2.23e+06
PCB-2	1.51e+05	3.18 y	16:47	1.30	4.72		-	-	*			
PCB-3	5.63e+05	3.17 y	17:01	1.27	19.0		-	-	*			
13C-PCB-3	2.33e+07	3.29 y	17:00	0.81	810					81.4	5.87e+06	1.81e+06
PCB-4	2.33e+06	1.53 y	18:16	1.09	105		-	-	*			
PCB-10	2.12e+05	1.47 y	18:20	1.46	5.42		-	-	*			
13C-PCB-4	2.04e+07	1.60 y	18:15	0.66	873					87.8	4.12e+06	2.54e+06
PCB-9	5.73e+05	1.55 y	19:57	1.41	15.2		-	-	*			
PCB-7	6.83e+05	1.61 y	19:59	1.43	17.9		-	-	*			
PCB-6	3.03e+06	1.48 y	20:35	1.39	81.6		-	-	*			
PCB-8	1.43e+07	1.52 y	20:57	1.42	377		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		657	3540	0.980			
PCB-14	*	* n	NotFnd	1.41	*		657	3540	0.934			
PCB-11	4.78e+05	1.39 y	23:09	1.33	13.5		-	-	*			
PCB-13	5.29e+05	1.42 y	23:29	1.38	14.3		-	-	*			
PCB-12	4.97e+05	1.58 y	23:30	1.37	13.6		-	-	*			
PCB-15	6.61e+06	1.50 y	23:49	1.22	164		-	-	*			
13C-PCB-15	3.28e+07	1.61 y	23:47	1.01	913					91.7	5.54e+06	3.46e+06
PCB-19	1.01e+06	1.15 y	22:11	1.29	56.6		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2110	860	0.968			
PCB-18	1.10e+07	1.08 y	23:43	1.34	593		-	-	*			
PCB-17	5.37e+06	1.06 y	23:54	1.43	272		-	-	*			
PCB-27	6.89e+05	1.10 y	24:24	1.89	26.4		-	-	*			
PCB-24	8.68e+05	1.09 y	24:25	1.89	33.2		-	-	*			
PCB-16	3.83e+06	1.05 y	24:54	1.61	173		-	-	*			
PCB-32	5.15e+06	1.11 y	24:56	1.62	231		-	-	*			
13C-PCB-19	1.37e+07	1.09 y	22:09	0.43	891					89.6	2.04e+06	1.92e+06
13C-PCB-9	3.55e+07	1.60 y	19:56	-	3.61							
PCB-34	2.01e+05	1.12 y	25:40	1.09	6.53		-	-	*			
PCB-23	4.16e+04	1.16 y	25:47	1.28	1.15	J	-	-	*			
PCB-29	2.68e+05	1.10 y	26:01	1.23	7.71		-	-	*			
PCB-26	5.53e+06	1.06 y	26:12	1.19	164		-	-	*			
PCB-25	3.25e+06	1.10 y	26:21	1.14	101		-	-	*			
PCB-31	2.55e+07	1.07 y	26:41	1.23	735		-	-	*			
PCB-28	3.36e+07	1.08 y	26:47	1.32	896		-	-	*			
PCB-20	1.87e+07	1.07 y	27:23	1.14	576		-	-	*		Co-elute PCB 21/33	
PCB-21	1.87e+07	1.07 y	27:23	1.14	576		-	-	*		Co-elute PCB 20/33	
PCB-33	1.87e+07	1.07 y	27:23	1.14	576		-	-	*		Co-elute PCB 20/21	
PCB-22	1.12e+07	1.07 y	27:47	1.24	319		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1100	1040	0.817			
PCB-39	*	* n	NotFnd	1.24	*		1100	1040	0.795			
PCB-38	1.99e+05	1.16 y	29:36	1.18	5.95		-	-	*			
PCB-35	4.37e+05	1.01 y	30:06	1.19	12.9		-	-	*			
PCB-37	7.05e+06	1.09 y	30:34	1.22	204		-	-	*			
13C-PCB-37	2.82e+07	1.06 y	30:32	1.72	867					87.1	2.81e+06	2.61e+06

PCB-54	5.75e+04	0.74	y	25:43	1.32	2.36	-	-	*			
PCB-50	5.16e+04	0.78	y	26:50	1.10	2.52	-	-	*			
PCB-53	2.20e+06	0.77	y	27:25	1.08	110	-	-	*			
PCB-51	8.04e+05	0.82	y	27:46	1.14	38.1	-	-	*			
PCB-45	2.01e+06	0.76	y	28:11	0.96	113	-	-	*			
PCB-46	7.67e+05	0.80	y	28:37	0.92	45.1	-	-	*			
PCB-52	1.83e+07	0.78	y	29:05	1.19	831	-	-	*	Co-elute PCB 69		
PCB-69	1.83e+07	0.78	y	29:05	1.19	831	-	-	*	Co-elute PCB 52		
PCB-73	2.47e+05	0.77	y	29:12	1.39	9.62	-	-	*			
PCB-43	1.21e+07	0.81	y	29:23	1.07	609	-	-	*	Co-elute PCB 49		
PCB-49	1.21e+07	0.81	y	29:23	1.07	609	-	-	*	Co-elute PCB 43		
PCB-47	4.74e+06	0.79	y	29:34	1.09	235	-	-	*			
PCB-48	3.70e+06	0.85	y	29:42	1.39	144	-	-	*	Co-elute PCB 75		
PCB-75	3.70e+06	0.85	y	29:42	1.39	144	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*	944	1090	0.727			
PCB-62	*	*	n	NotFnd	1.39	*	944	1090	0.725			
PCB-44	1.08e+07	0.81	y	30:24	0.93	625	-	-	*			
PCB-42	5.50e+06	0.81	y	30:39	1.19	249	-	-	*	Co-elute PCB 59		
PCB-59	5.50e+06	0.81	y	30:39	1.19	249	-	-	*	Co-elute PCB 42		
PCB-72	1.38e+07	0.79	y	31:15	1.34	556	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.38e+07	0.79	y	31:15	1.34	556	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.38e+07	0.79	y	31:15	1.34	556	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.38e+07	0.79	y	31:15	1.34	556	-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.31e+05	0.78	y	31:32	1.52	4.67	-	-	*			
PCB-40	1.95e+06	0.80	y	31:41	0.85	124	-	-	*			
PCB-57	1.58e+05	0.87	y	31:56	1.43	5.97	-	-	*			
PCB-67	7.75e+05	0.85	y	32:12	1.44	29.1	-	-	*			
PCB-58	6.15e+04	0.69	y	32:19	1.47	2.25	-	-	*			
PCB-63	8.73e+05	0.80	y	32:28	1.49	31.6	-	-	*			
PCB-74	1.02e+07	0.80	y	32:43	1.43	385	-	-	*			
PCB-61	2.31e+07	0.80	y	32:54	1.34	930	-	-	*	Co-elute PCB 70		
PCB-70	2.31e+07	0.80	y	32:54	1.34	930	-	-	*	Co-elute PCB 61		
PCB-76	2.09e+07	0.80	y	33:07	1.52	743	-	-	*	Co-elute PCB 66		
PCB-66	2.09e+07	0.80	y	33:07	1.52	743	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*	944	1090	0.525			
PCB-55	4.74e+05	0.75	y	33:37	1.59	16.1	-	-	*			
13C-PCB-54	1.84e+07	0.83	y	25:42	1.06	919					92.4	2.30e+06	2.72e+06
PCB-104	*	*	n	NotFnd	1.19	*	444	492	0.674			
PCB-96	1.53e+05	1.72	y	31:32	1.13	9.50	-	-	*			
PCB-103	2.79e+05	1.45	y	31:56	0.97	20.2	-	-	*			
PCB-100	1.32e+05	1.43	y	32:15	0.97	9.50	-	-	*			
PCB-94	8.19e+04	1.61	y	32:41	0.81	7.14	-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*	444	492	0.923	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*	444	492	0.923	Co-elute PCB 98		
PCB-95	1.35e+07	1.53	y	33:10	0.94	1010	-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*	444	492	0.887			
PCB-88	2.42e+06	1.57	y	33:33	0.99	172	-	-	*	Co-elute PCB 91		
PCB-91	2.42e+06	1.57	y	33:33	0.99	172	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*	444	492	0.700			
13C-PCB-104	1.42e+07	1.55	y	30:12	0.89	840					84.4	1.77e+06	1.14e+06
13C-PCB-28	3.17e+07	1.08	y	26:46	1.90	884					88.8	4.24e+06	3.93e+06
13C-PCB-52	1.88e+07	0.80	y	29:03	-	3.68							

PCB-56	1.59e+07	0.81	y	34:05	1.24	533	-	-	*		Co-elute PCB 60	
PCB-60	1.59e+07	0.81	y	34:05	1.24	533	-	-	*		Co-elute PCB 56	
PCB-79	3.98e+05	0.78	y	35:05	1.25	13.2	-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*	720	1050	0.612			
PCB-81	6.26e+05	0.81	y	36:16	1.28	20.6	-	-	*			
13C-PCB-81	2.35e+07	0.79	y	36:14	1.63	924				92.8	2.48e+06	3.22e+06
PCB-77	2.14e+06	0.79	y	36:48	1.14	76.8	-	-	*			
13C-PCB-77	2.44e+07	0.79	y	36:46	1.65	948				95.2	2.62e+06	3.31e+06
PCB-155	*	*	n	NotFnd	1.10	*	560	516	0.624			
PCB-150	1.01e+05	1.10	y	35:32	1.03	6.38	-	-	*			
PCB-152	3.81e+04	1.19	y	36:00	1.02	2.41	-	-	*			
PCB-145	*	*	n	NotFnd	1.03	*	560	516	0.667			
PCB-136	4.42e+06	1.29	y	36:41	0.97	295	-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*	560	516	0.854			
PCB-154	5.34e+05	1.30	y	37:15	0.87	39.6	-	-	*			
13C-PCB-155	1.54e+07	1.30	y	34:18	1.12	876				88.1	2.21e+06	1.69e+06
13C-PCB-111	1.68e+07	1.63	y	36:22	1.26	858				86.2	2.34e+06	1.44e+06
13C-PCB-101	1.55e+07	1.63	y	34:45	-	3.38						
PCB-84	8.17e+06	1.57	y	34:25	0.73	481	-	-	*		Co-elute PCB 92	
PCB-92	8.17e+06	1.57	y	34:25	0.73	481	-	-	*		Co-elute PCB 84	
PCB-89	2.48e+05	1.75	y	34:35	0.73	14.7	-	-	*			
PCB-90	2.52e+07	1.60	y	34:46	0.81	1340	-	-	*		Co-elute PCB 101	
PCB-101	2.52e+07	1.60	y	34:46	0.81	1340	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*	1080	950	1.05			
PCB-99	1.09e+07	1.59	y	35:05	0.91	518	-	-	*			
PCB-119	8.26e+05	1.74	y	35:31	1.04	34.1	-	-	*			
PCB-83	1.04e+06	1.67	y	35:41	0.80	55.7	-	-	*		Co-elute PCB 112	
PCB-112	1.04e+06	1.67	y	35:41	0.80	55.7	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*	1080	950	0.954			
PCB-97	6.14e+06	1.59	y	36:00	0.69	385	-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*	1080	950	1.40			
PCB-125	9.45e+06	1.59	y	36:16	0.93	438	-	-	*		Co-elute PCB 87/117	
PCB-87	9.45e+06	1.59	y	36:16	0.93	438	-	-	*		Co-elute PCB 125/117	
PCB-117	9.45e+06	1.59	y	36:16	0.93	438	-	-	*		Co-elute PCB 125/87	
PCB-111	5.30e+05	1.55	y	36:25	1.01	22.5	-	-	*		Co-elute PCB 115	
PCB-115	5.30e+05	1.55	y	36:25	1.01	22.5	-	-	*		Co-elute PCB 111	
PCB-85	3.85e+06	1.60	y	36:31	0.86	194	-	-	*		Co-elute PCB 116	
PCB-116	3.85e+06	1.60	y	36:31	0.86	194	-	-	*		Co-elute PCB 85	
PCB-120	1.01e+05	1.62	y	36:44	1.07	4.07	-	-	*			
PCB-110	2.95e+07	1.59	y	36:54	0.95	1340	-	-	*			
PCB-82	2.10e+06	1.58	y	37:29	0.60	150	-	-	*			
PCB-124	1.52e+06	1.57	y	38:08	1.26	52.0	-	-	*			
PCB-108	2.25e+06	1.65	y	38:18	1.19	81.3	-	-	*		Co-elute PCB 107	
PCB-107	2.25e+06	1.65	y	38:18	1.19	81.3	-	-	*		Co-elute PCB 108	
PCB-123	5.90e+05	1.55	y	38:26	1.12	23.2	-	-	*			
13C-PCB-123	2.25e+07	1.58	y	38:24	1.36	976				98.0	3.10e+06	1.98e+06
PCB-118	2.93e+07	1.62	y	38:36	1.16	1060	-	-	*		Co-elute PCB 106	
PCB-106	2.93e+07	1.62	y	38:36	1.16	1060	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.37e+07	1.60	y	38:36	1.43	978				98.3	3.43e+06	2.15e+06
PCB-114	7.38e+05	1.62	y	39:14	1.27	24.4	-	-	*			
13C-PCB-114	2.37e+07	1.58	y	39:12	1.36	1020				103	3.44e+06	2.18e+06
PCB-122	4.07e+05	1.48	y	39:20	1.13	15.5	-	-	*			
PCB-105	1.23e+07	1.62	y	40:03	1.26	431	-	-	*			
13C-PCB-105	2.24e+07	1.59	y	40:02	1.35	980				98.5	3.38e+06	2.09e+06

FAL ID: 13416-006-0001-SA Filename: 11NOV20Z Sam:7 Acquired: 11-NOV-20 12:02:42 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.05

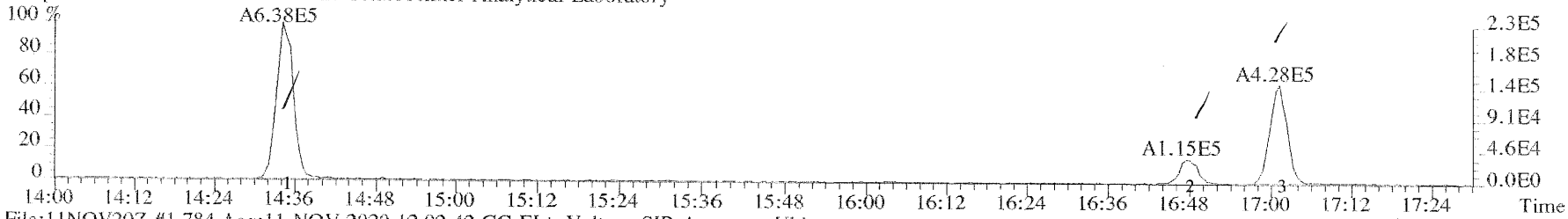
PCB-127	*	*	n	NotFnd	1.14	*	1260	1080	0.938			
PCB-126	1.61e+05	1.43	y	42:08	1.19	6.49	-	-	*			
13C-PCB-126	2.07e+07	1.56	y	42:08	1.33	914				91.9	2.87e+06	1.84e+06
PCB-151	8.15e+06	1.27	y	37:53	0.91	490	-	-	*			
PCB-135	3.98e+06	1.27	y	38:05	0.92	236	-	-	*			
PCB-144	2.11e+06	1.28	y	38:11	0.91	126	-	-	*			
PCB-147	6.14e+05	1.28	y	38:20	0.96	35.0	-	-	*			
PCB-139	3.09e+07	1.27	y	38:33	0.99	1700	-	-	*	Co-elute PCB 149		
PCB-149	3.09e+07	1.27	y	38:33	0.99	1700	-	-	*	Co-elute PCB 139		
PCB-140	1.98e+05	1.19	y	38:44	0.96	11.3	-	-	*			
PCB-143	1.60e+06	1.26	y	39:11	0.81	109	-	-	*	Co-elute PCB 134		
PCB-134	1.60e+06	1.26	y	39:11	0.81	109	-	-	*	Co-elute PCB 143		
PCB-131	9.05e+05	1.27	y	39:25	0.81	61.4	-	-	*	Co-elute PCB 133		
PCB-133	9.05e+05	1.27	y	39:25	0.81	61.4	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.82	*	800	690	1.05			
PCB-165	5.79e+06	1.27	y	39:48	1.06	297	-	-	*	Co-elute PCB 146		
PCB-146	5.79e+06	1.27	y	39:48	1.06	297	-	-	*	Co-elute PCB 165		
PCB-161	1.09e+07	1.24	y	40:03	1.02	583	-	-	*	Co-elute PCB 132		
PCB-132	1.09e+07	1.24	y	40:03	1.02	583	-	-	*	Co-elute PCB 161		
PCB-153	4.05e+07	1.28	y	40:11	1.06	2090	-	-	*			
PCB-168	*	*	n	NotFnd	1.17	*	800	690	0.732			
PCB-141	6.49e+06	1.24	y	40:53	0.91	388	-	-	*			
PCB-137	1.37e+06	1.26	y	41:14	0.96	77.6	-	-	*			
PCB-130	1.80e+06	1.28	y	41:21	0.78	127	-	-	*			
PCB-138	4.31e+07	1.27	y	41:40	1.10	2140	-	-	*	Co-elute PCB 163/164		
PCB-163	4.31e+07	1.27	y	41:40	1.10	2140	-	-	*	Co-elute PCB 138/164		
PCB-164	4.31e+07	1.27	y	41:40	1.10	2140	-	-	*	Co-elute PCB 138/163		
PCB-158	4.75e+06	1.25	y	41:55	1.22	214	-	-	*	Co-elute PCB 160		
PCB-160	4.75e+06	1.25	y	41:55	1.22	214	-	-	*	Co-elute PCB 158		
PCB-129	1.18e+06	1.32	y	42:08	0.79	81.2	-	-	*			
PCB-166	1.38e+05	1.41	y	42:36	1.19	6.31	-	-	*			
PCB-159	4.97e+05	1.28	y	42:56	1.32	20.6	-	-	*			
PCB-128	5.60e+06	1.25	y	43:09	1.06	290	-	-	*	Co-elute PCB 162		
PCB-162	5.60e+06	1.25	y	43:09	1.06	290	-	-	*	Co-elute PCB 128		
PCB-167	1.63e+06	1.26	y	43:32	1.19	72.6	-	-	*			
13C-PCB-167	1.88e+07	1.28	y	43:31	1.17	946				95.1	2.32e+06	1.86e+06
PCB-156	4.27e+06	1.27	y	44:45	1.28	178	-	-	*			
13C-PCB-156	1.86e+07	1.30	y	44:45	1.16	943				94.8	2.42e+06	1.82e+06
PCB-157	8.18e+05	1.30	y	45:01	1.22	36.1	-	-	*			
13C-PCB-157	1.84e+07	1.30	y	44:59	1.18	920				92.4	2.53e+06	1.97e+06
PCB-169	*	*	n	NotFnd	1.14	*	800	690	0.733			
13C-PCB-169	1.70e+07	1.28	y	46:50	1.19	840				84.4	2.48e+06	1.95e+06

FAL ID: 13416-006-0001-SA Filename: 11NOV20Z Sam:7 Acquired: 11-NOV-20 12:02:42 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CA-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.05

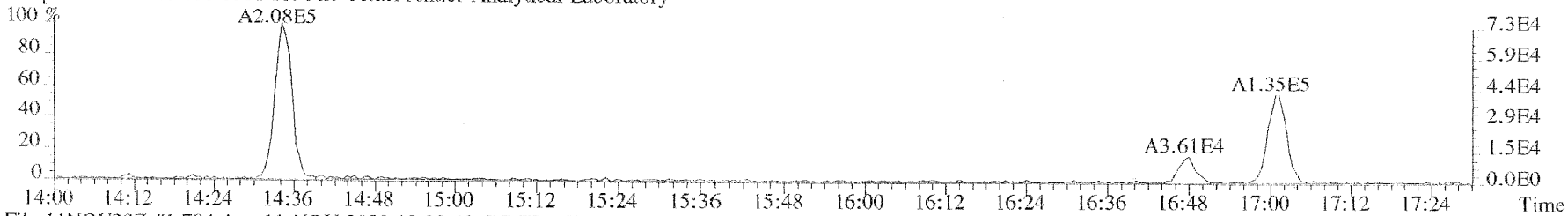
PCB-188	2.68e+04	1.10	y	39:50	1.15	1.57	J	-	-	*			
13C-PCB-188	1.47e+07	1.08	y	39:48	0.96	906					91.0	1.73e+06	1.63e+06
PCB-184	*	*	n	NotFnd	1.26	*		560	472	0.567			
PCB-179	4.59e+06	1.03	y	40:59	1.19	273		-	-	*			
PCB-176	1.53e+06	1.07	y	41:25	1.16	93.9		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		560	472	0.603			
PCB-178	1.71e+06	1.09	y	42:28	0.86	140		-	-	*			
PCB-175	3.70e+05	0.97	y	42:48	0.92	28.4		-	-	*			
PCB-187	1.12e+07	1.03	y	42:56	0.99	798		-	-	*		Co-elute PCB 182	
PCB-182	1.12e+07	1.03	y	42:56	0.99	798		-	-	*		Co-elute PCB 187	
PCB-183	5.74e+06	1.05	y	43:16	0.96	423		-	-	*			
PCB-185	9.20e+05	0.98	y	43:54	0.91	71.3		-	-	*			
PCB-174	8.01e+06	1.07	y	44:13	0.94	605		-	-	*			
PCB-181	*	*	n	NotFnd	0.92	*		560	472	0.773			
PCB-177	4.77e+06	1.04	y	44:28	0.86	392		-	-	*			
PCB-171	2.47e+06	1.08	y	44:45	0.89	196		-	-	*			
PCB-173	1.64e+05	1.02	y	45:09	0.82	14.1		-	-	*			
PCB-172	1.35e+06	1.03	y	45:32	0.87	110		-	-	*			
PCB-192	*	*	n	NotFnd	1.11	*		560	472	0.645			
PCB-180	1.91e+07	1.05	y	45:54	0.86	1570		-	-	*			
PCB-193	1.23e+06	1.05	y	46:04	1.16	74.9		-	-	*			
PCB-191	4.54e+05	1.09	y	46:17	1.14	28.1		-	-	*			
PCB-170	7.90e+06	1.07	y	47:10	0.85	653		-	-	*			
PCB-190	2.15e+06	1.06	y	47:19	1.10	138		-	-	*			
PCB-189	4.33e+05	1.15	y	48:30	1.08	29.6		-	-	*			
13C-PCB-189	1.35e+07	1.09	y	48:30	0.95	836					84.0	2.08e+06	1.82e+06
PCB-202	8.30e+05	0.95	y	44:56	1.05	73.4		-	-	*			
PCB-201	6.65e+05	0.97	y	45:23	1.15	53.5		-	-	*			
PCB-204	*	*	n	NotFnd	1.17	*		424	480	0.750			
PCB-197	2.04e+05	0.91	y	45:47	1.17	16.2		-	-	*			
PCB-200	5.83e+05	0.92	y	46:32	1.16	46.6		-	-	*			
PCB-198	1.92e+05	0.87	y	47:41	0.81	22.0		-	-	*			
PCB-199	3.28e+06	0.91	y	47:46	0.83	368		-	-	*			
PCB-203	4.12e+06	0.91	y	48:01	0.90	426		-	-	*		Co-elute PCB 196	
PCB-196	4.12e+06	0.91	y	48:01	0.90	426		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.07e+07	0.93	y	44:55	0.80	792					79.6	1.24e+06	1.32e+06
13C-PCB-178	1.06e+07	1.09	y	42:26	0.76	815					81.9	1.30e+06	1.22e+06
13C-PCB-138	1.69e+07	1.27	y	41:39	-	3.49							
PCB-195	2.48e+06	0.88	y	49:07	0.91	155		-	-	*			
PCB-194	6.39e+06	0.93	y	49:54	0.93	388		-	-	*			
PCB-205	4.29e+05	0.94	y	50:09	1.16	20.9		-	-	*			
13C-PCB-205	1.76e+07	0.89	y	50:09	1.26	901					90.5	2.83e+06	3.14e+06
PCB-208	6.24e+05	1.36	y	49:13	1.13	38.4		-	-	*			
13C-PCB-208	1.43e+07	0.84	y	49:12	1.06	877					88.2	1.99e+06	2.46e+06
PCB-207	3.12e+05	1.50	y	49:31	1.31	19.0		-	-	*			
PCB-206	2.01e+06	1.36	y	51:20	1.15	164		-	-	*			
13C-PCB-206	1.06e+07	0.81	y	51:19	0.81	851					85.5	1.39e+06	1.76e+06
PCB-209	7.56e+05	1.14	y	52:31	1.24	59.0		-	-	*			
13C-PCB-209	1.03e+07	1.19	y	52:31	0.87	765					76.9	1.56e+06	1.34e+06
13C-PCB-194	1.54e+07	0.91	y	49:53	-	3.39							

Analyst: _____ Date: 11/12/20

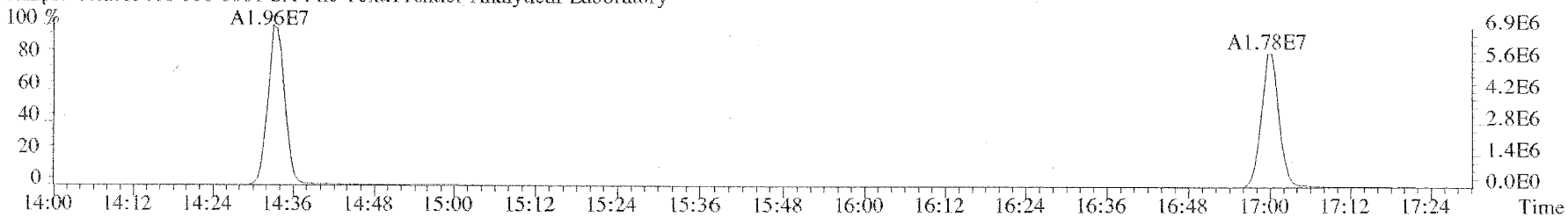
File:11NOV20Z #1-784 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



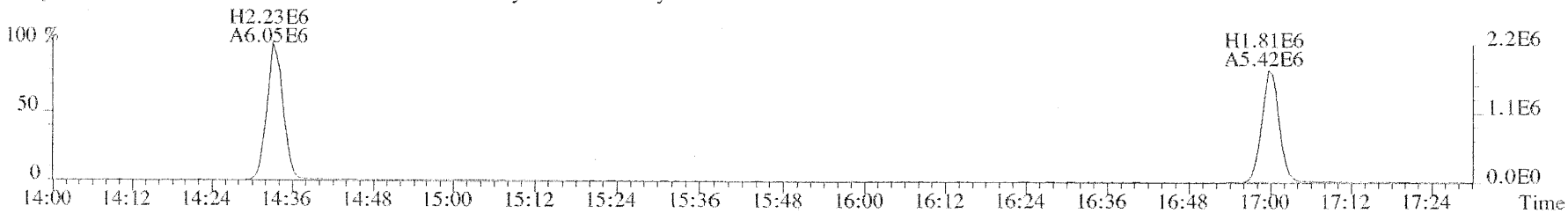
File:11NOV20Z #1-784 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



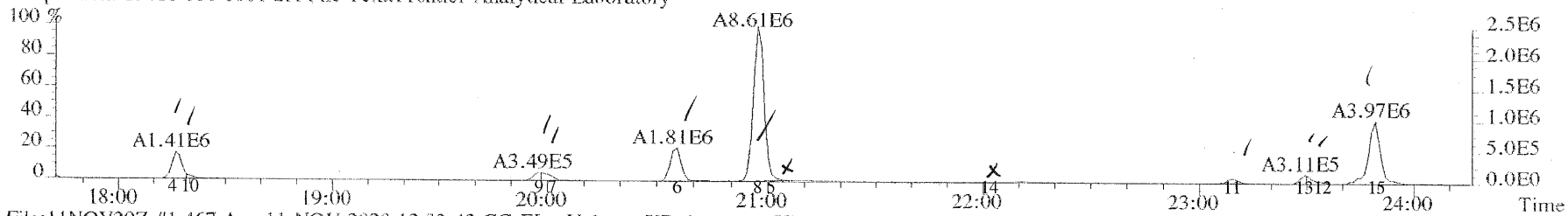
File:11NOV20Z #1-784 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



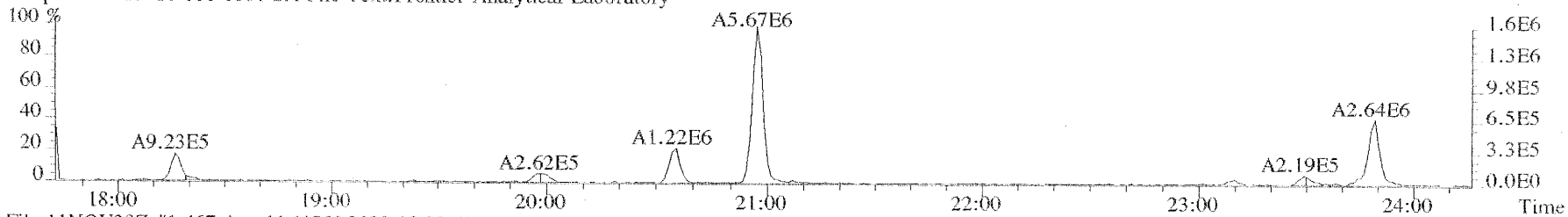
File:11NOV20Z #1-784 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



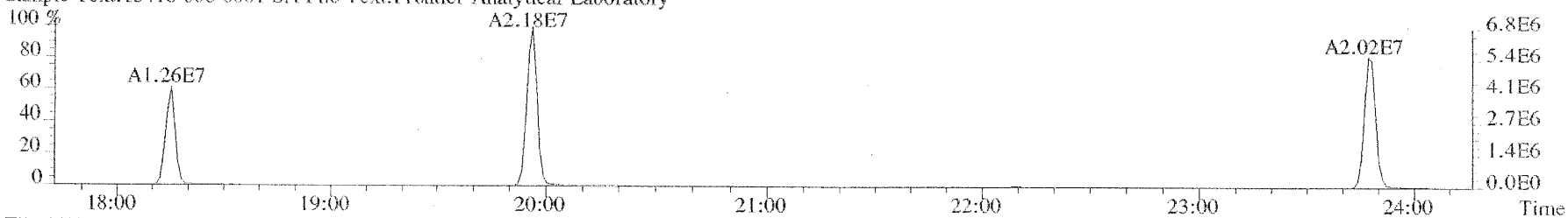
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



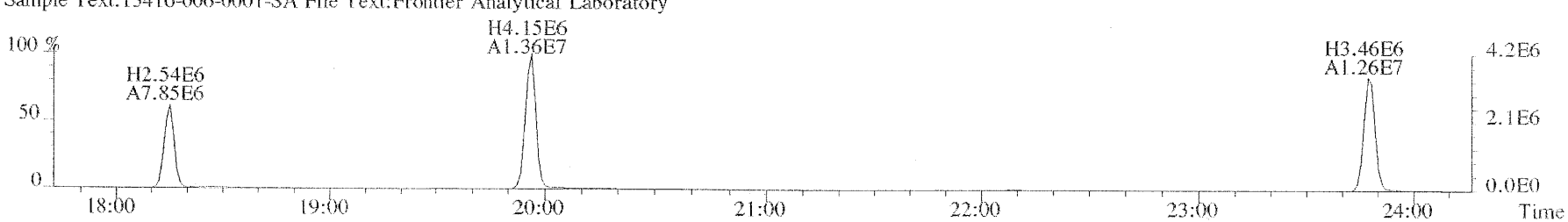
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



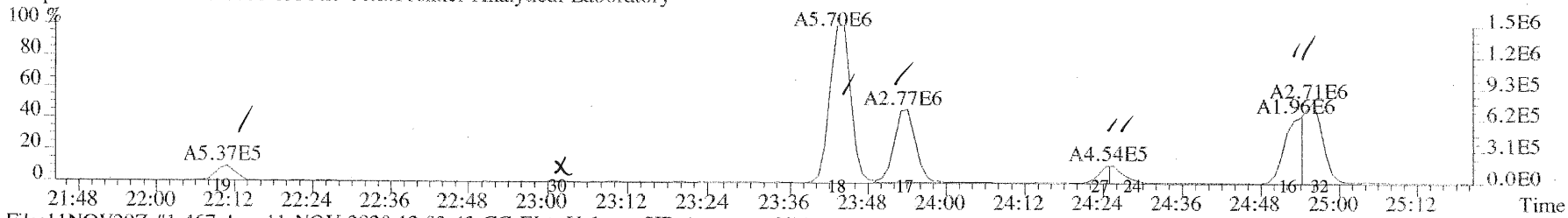
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



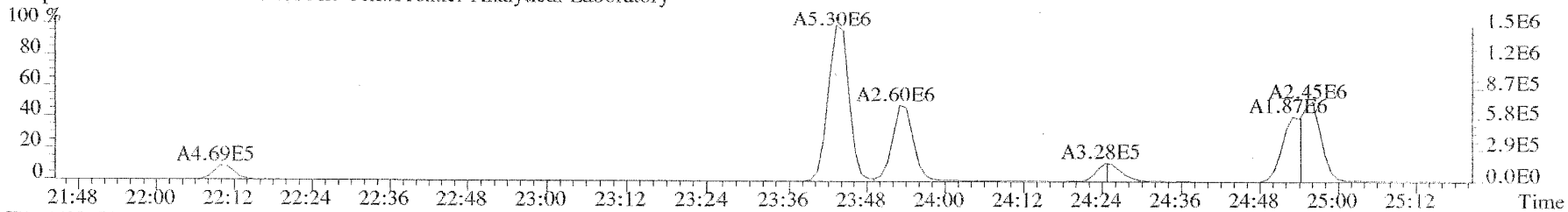
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



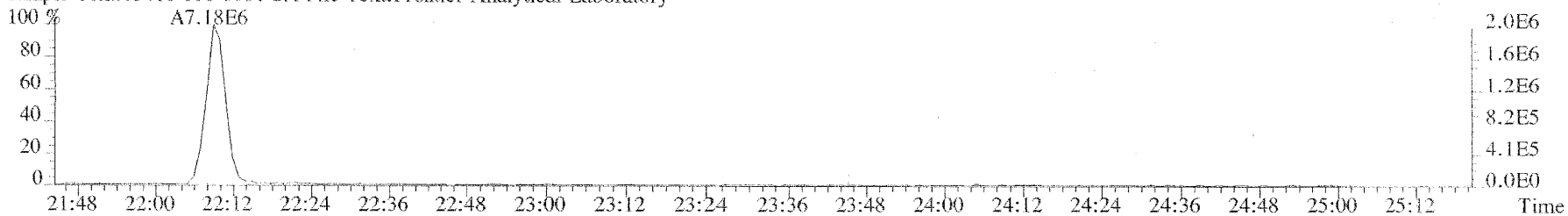
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



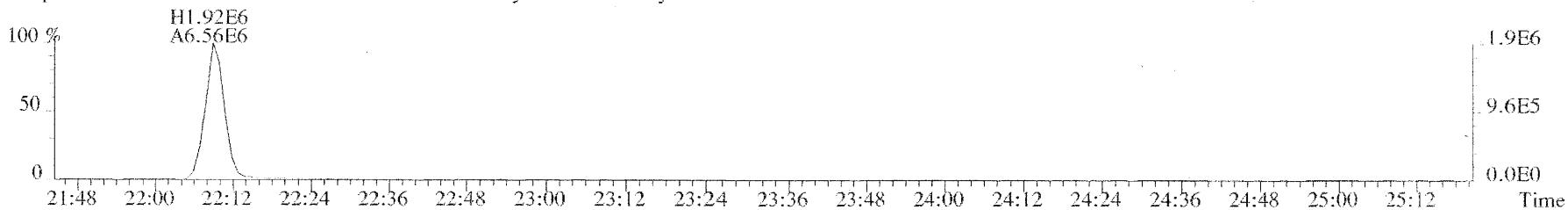
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



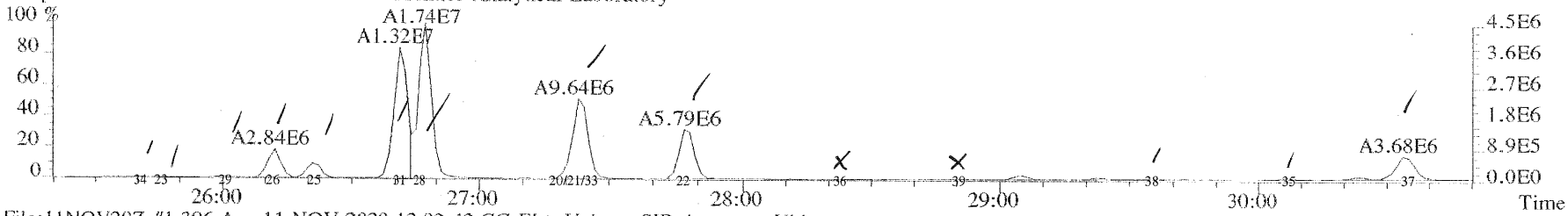
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



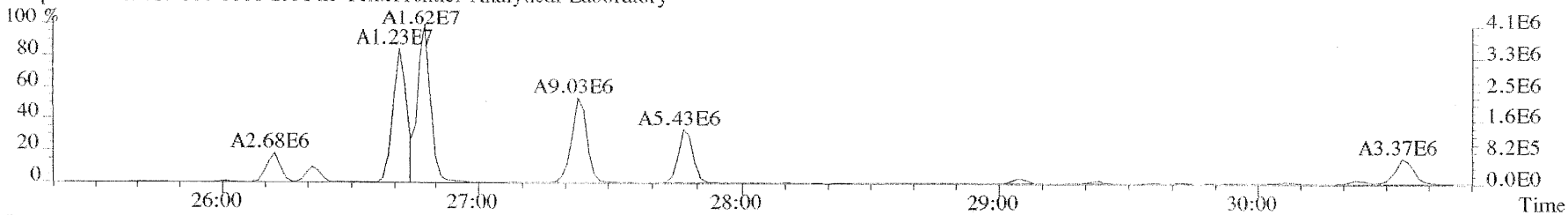
File:11NOV20Z #1-467 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



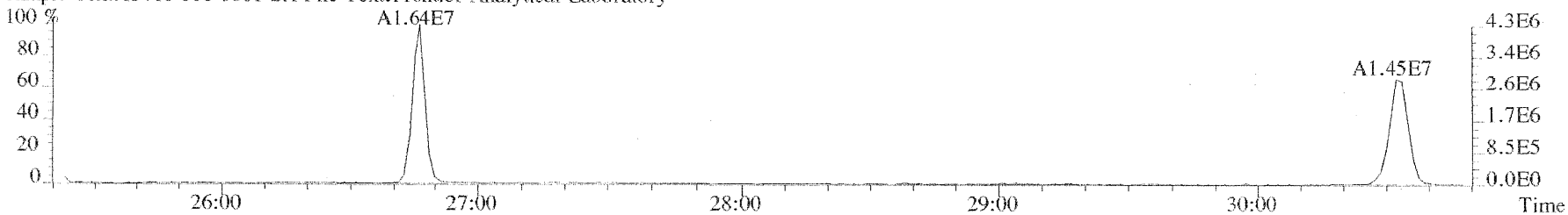
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



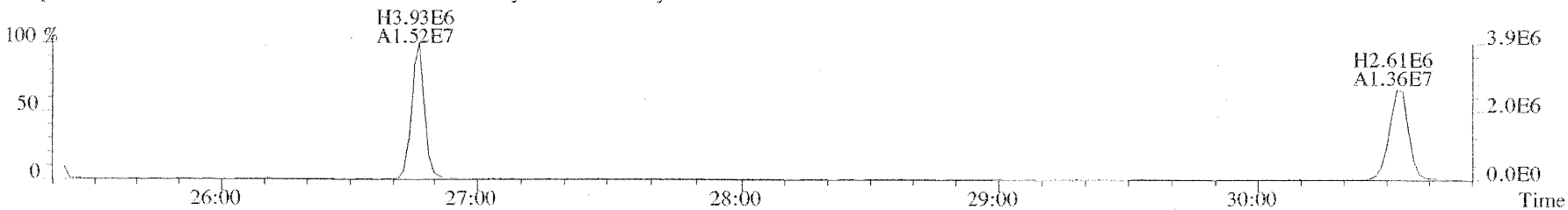
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



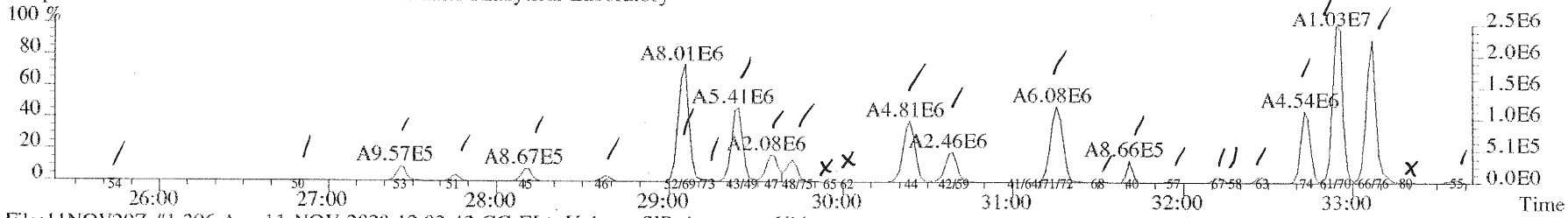
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



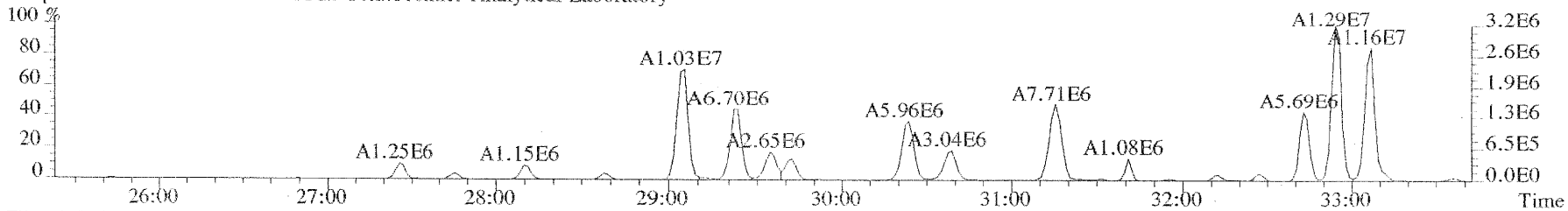
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



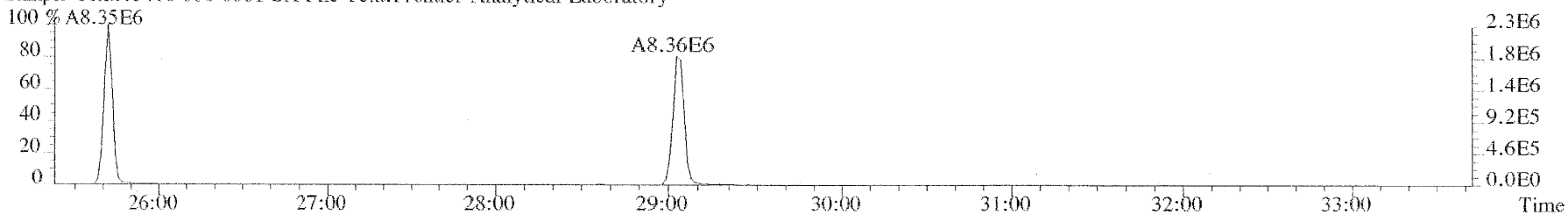
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



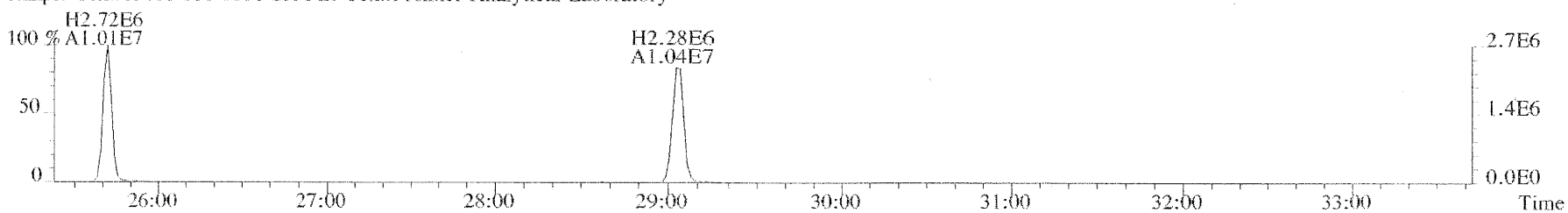
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



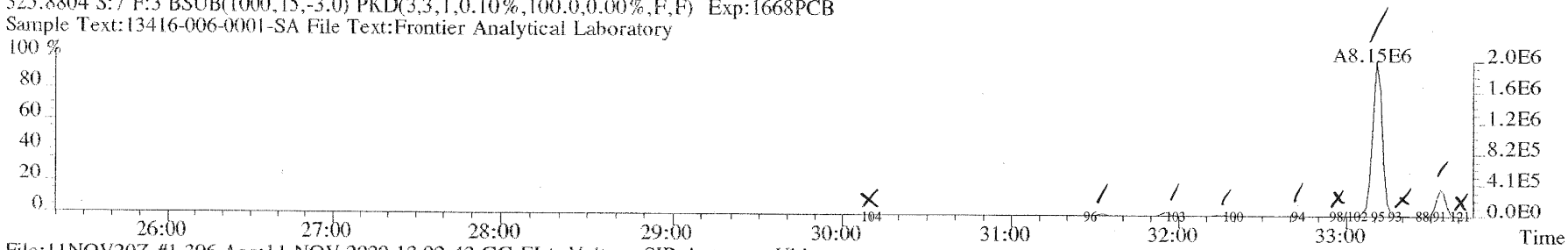
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



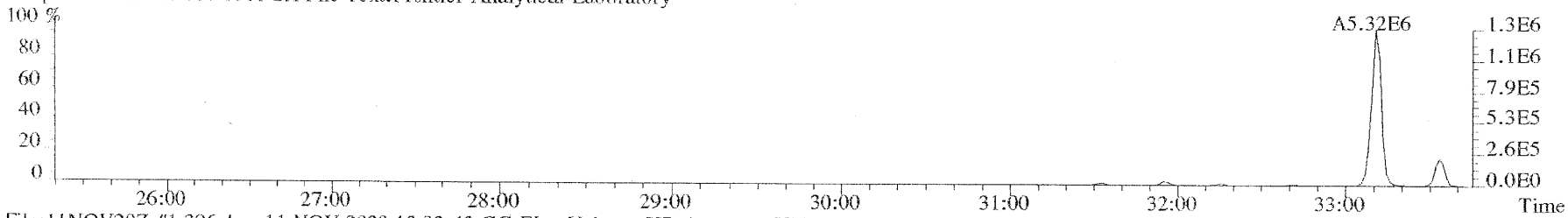
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



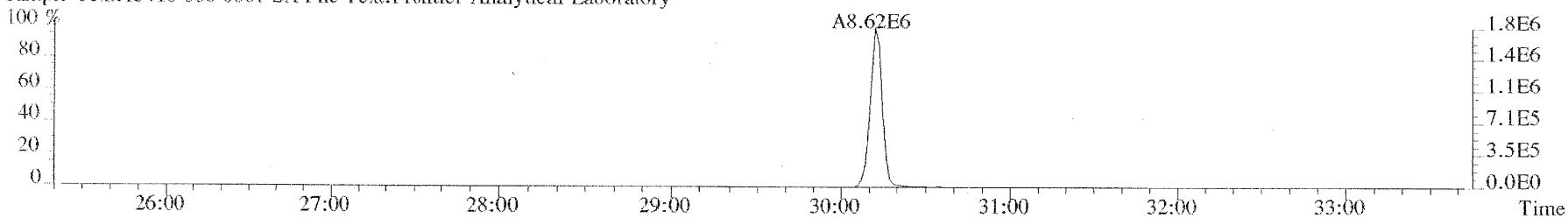
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



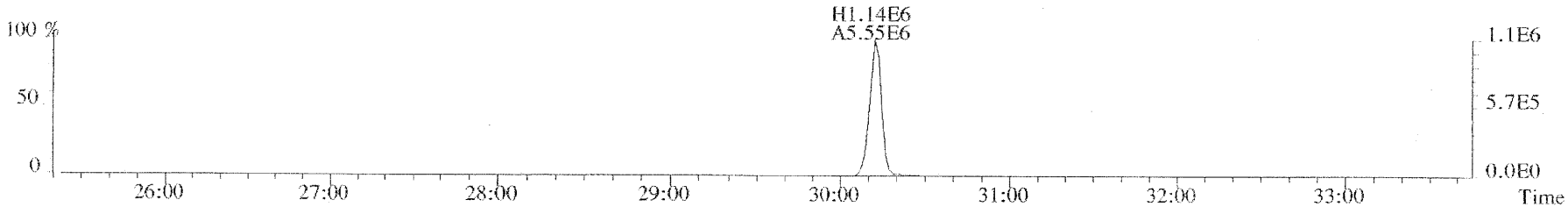
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



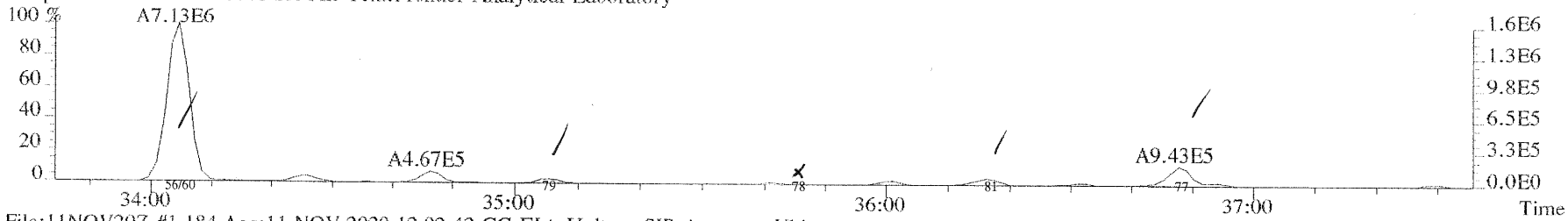
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



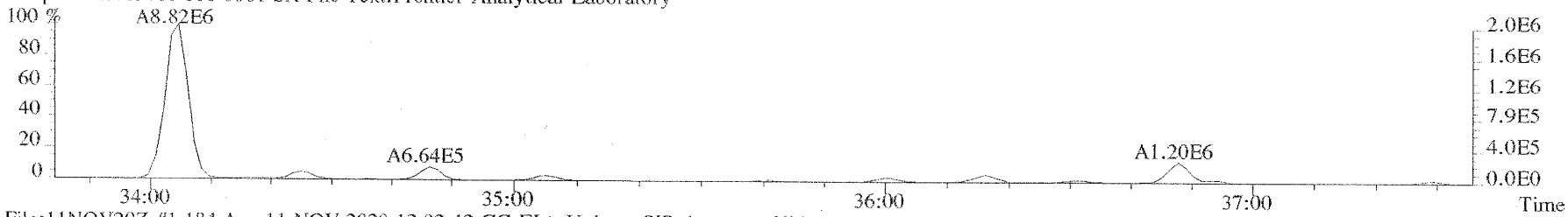
File:11NOV20Z #1-396 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



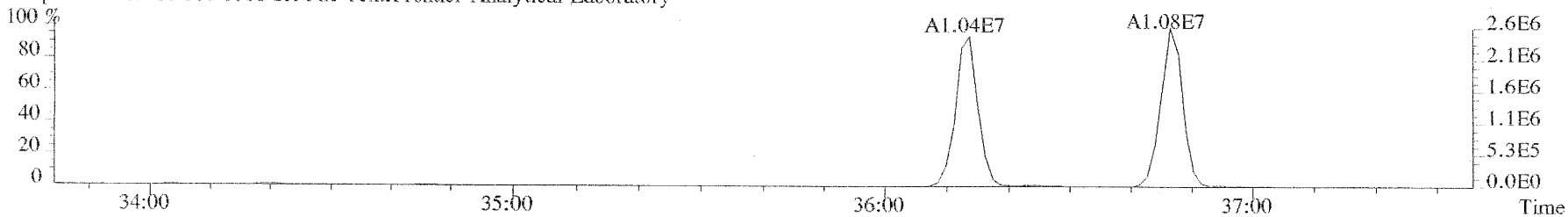
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



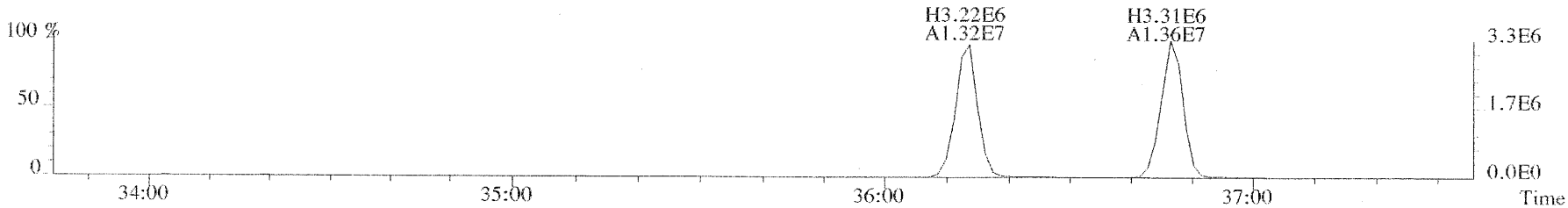
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



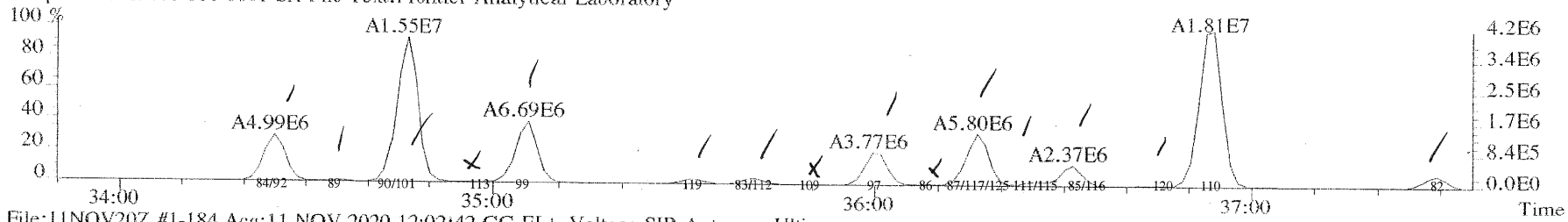
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



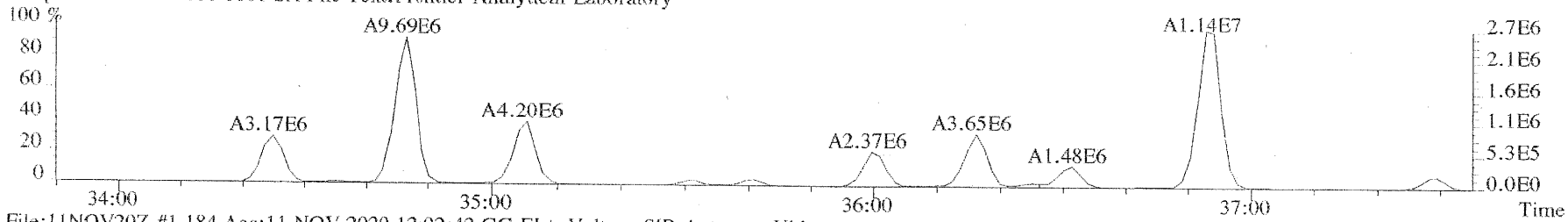
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



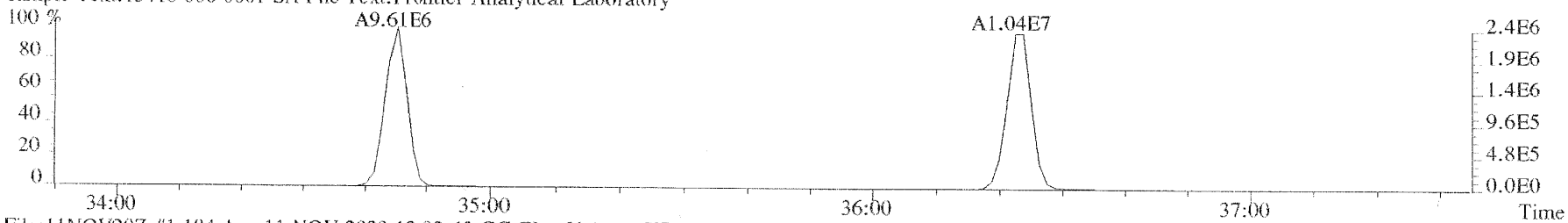
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



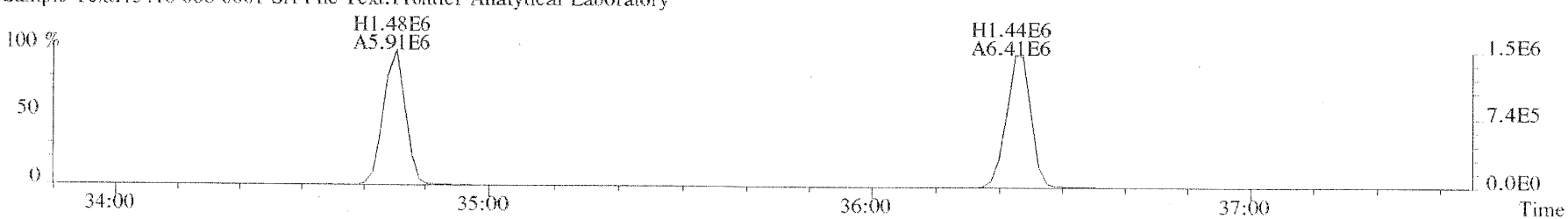
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



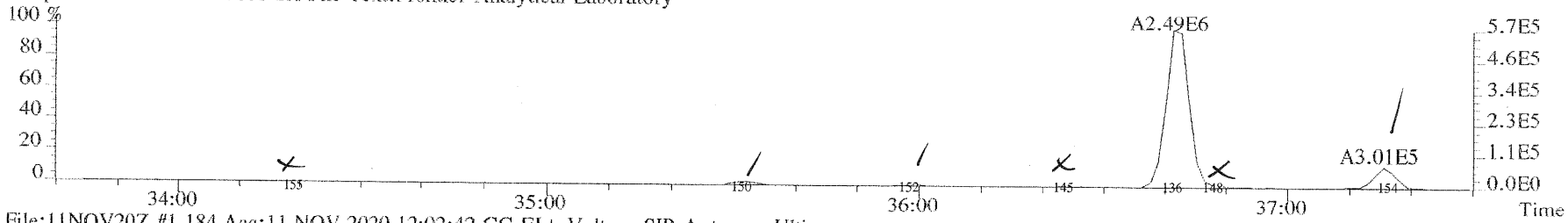
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



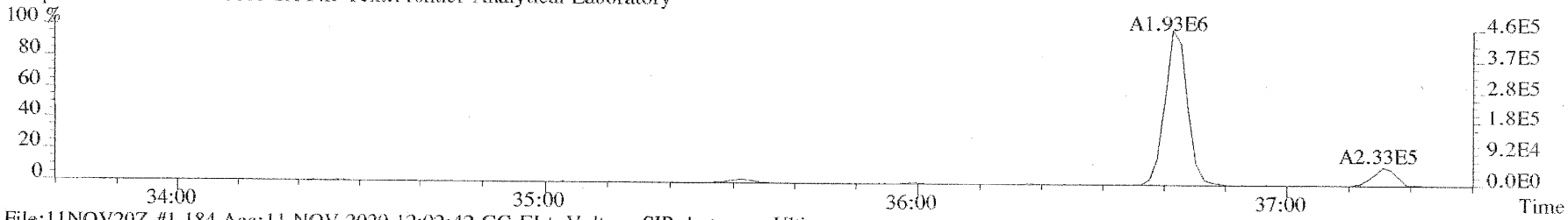
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



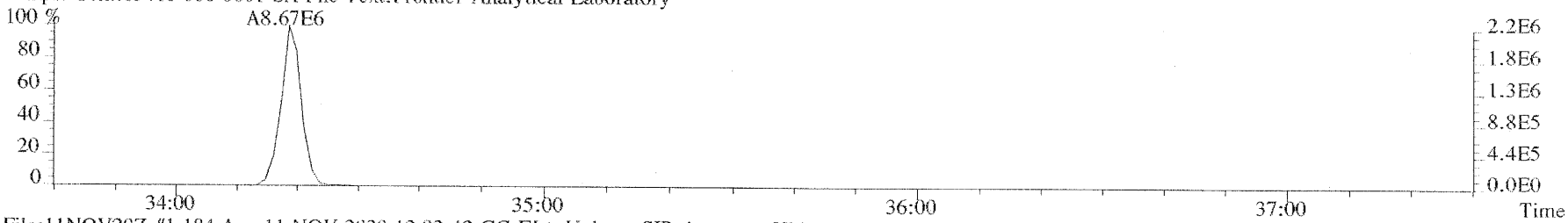
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



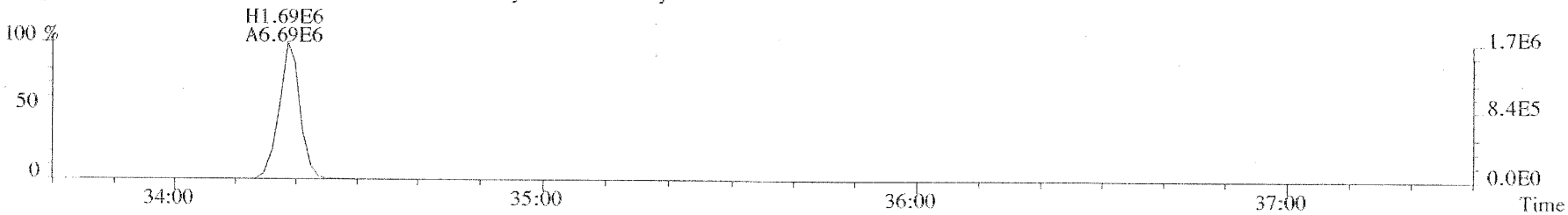
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



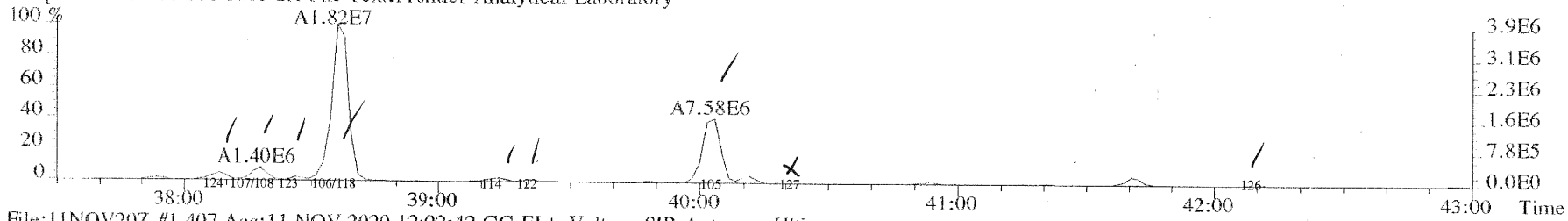
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



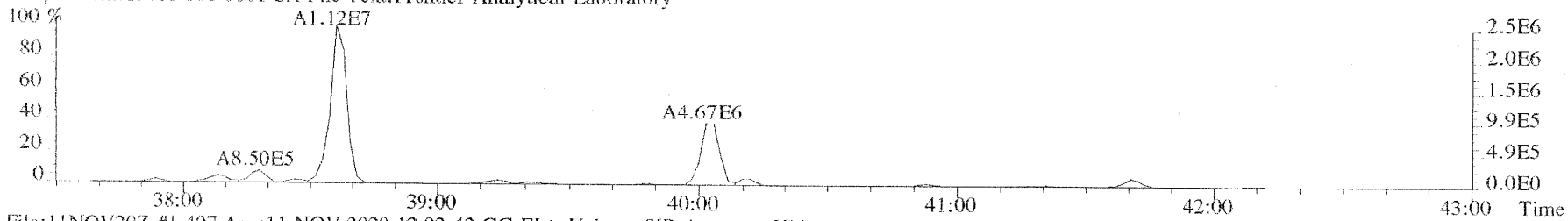
File:11NOV20Z #1-184 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



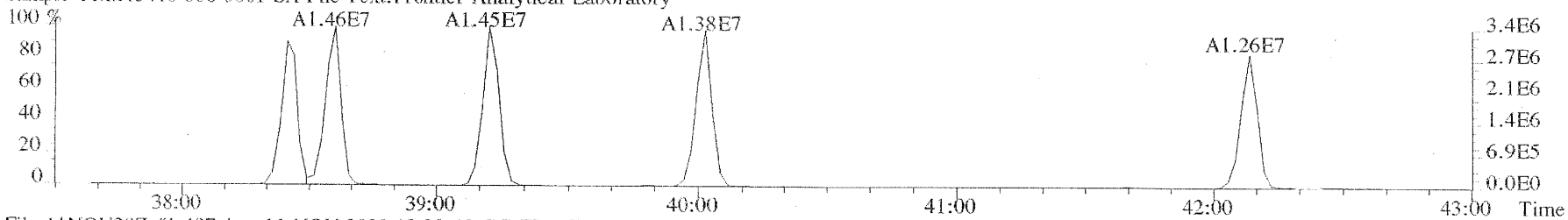
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



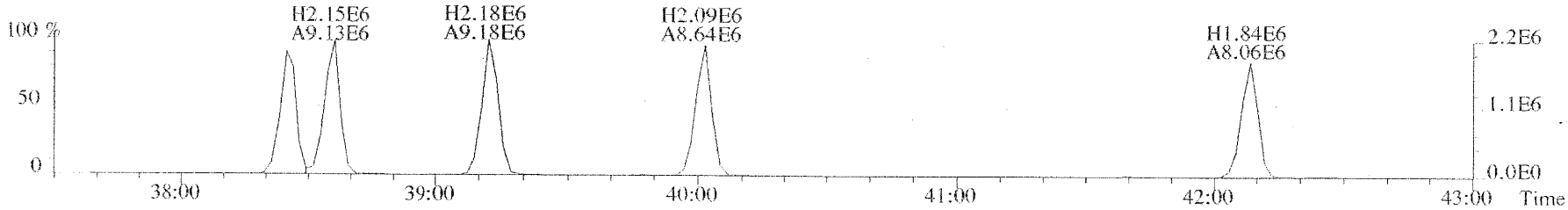
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



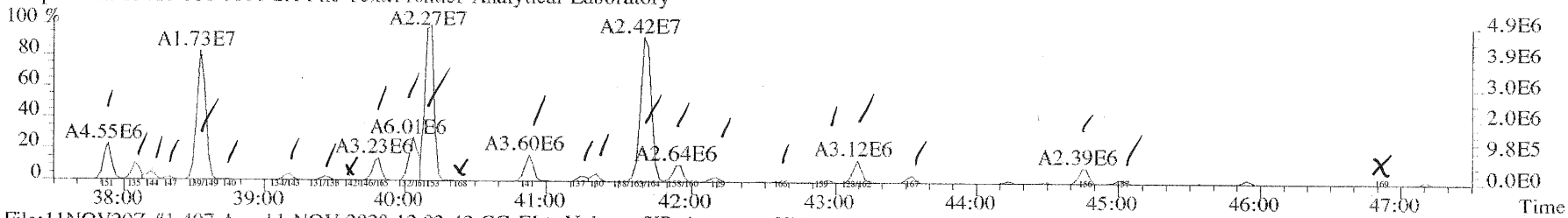
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



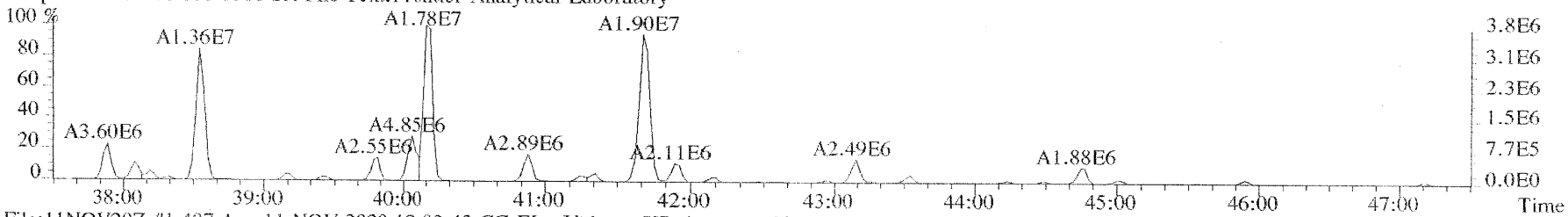
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



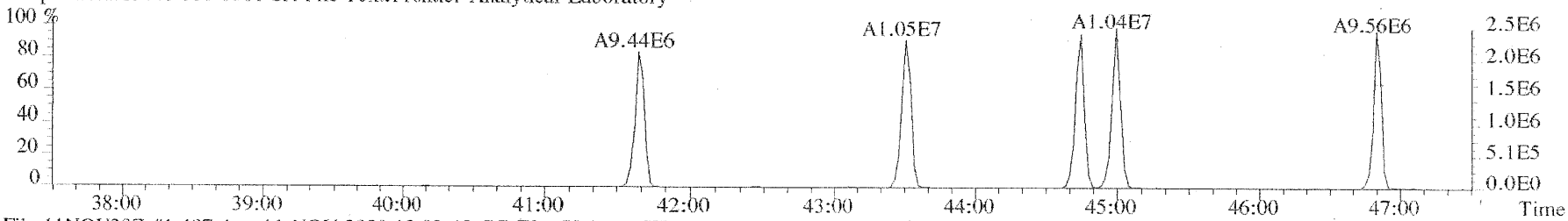
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



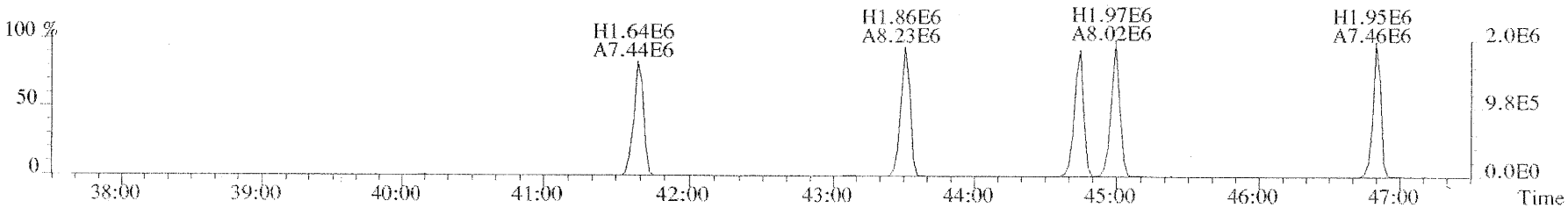
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



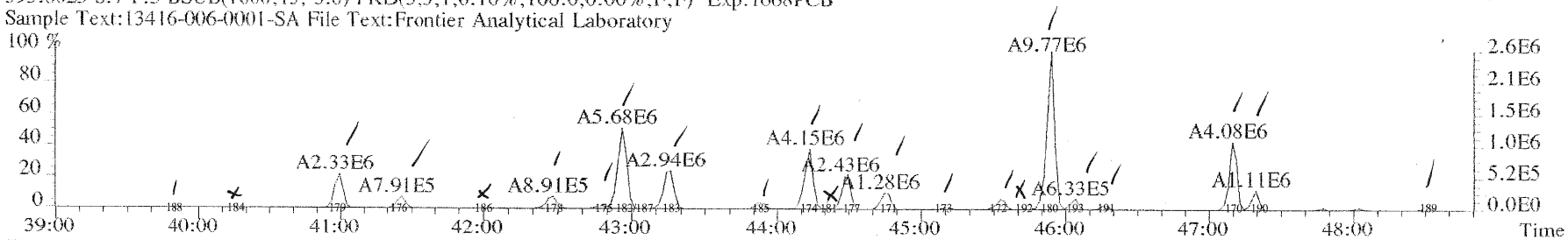
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



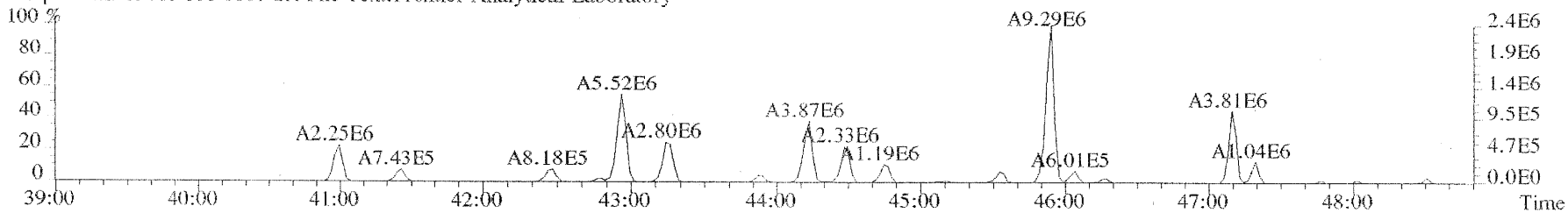
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



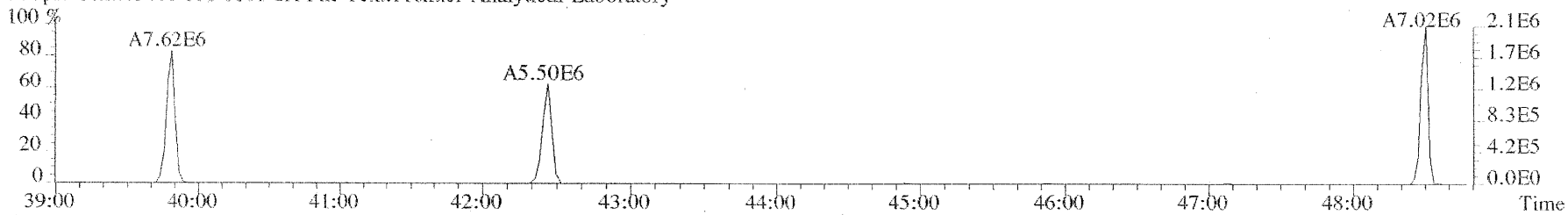
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



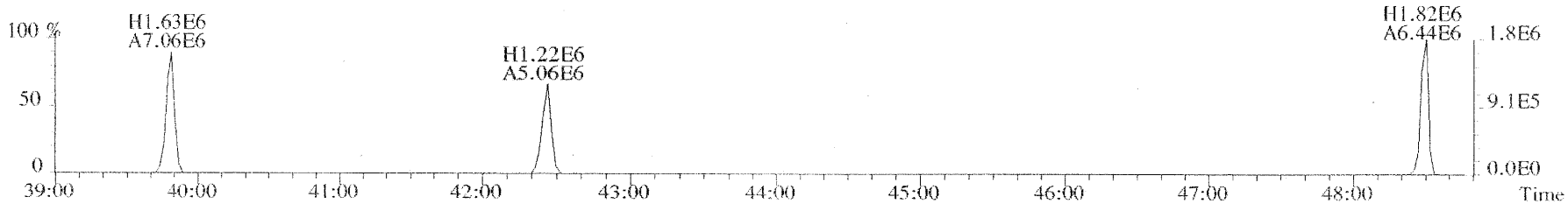
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



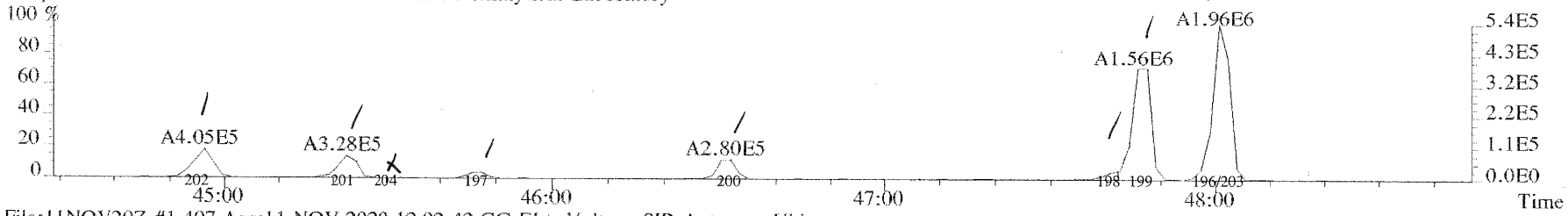
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



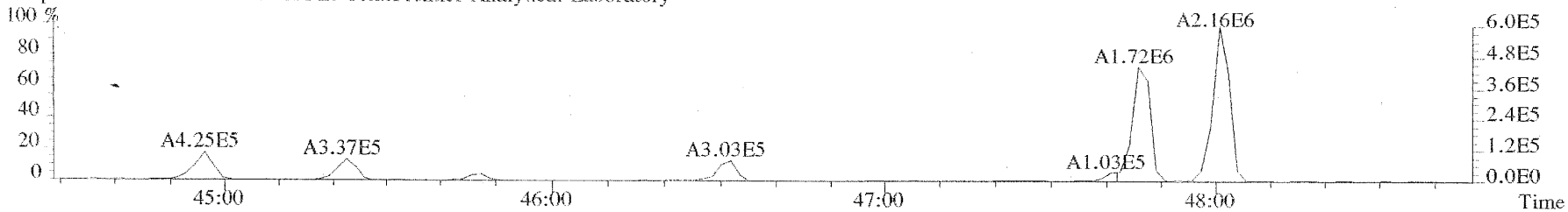
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



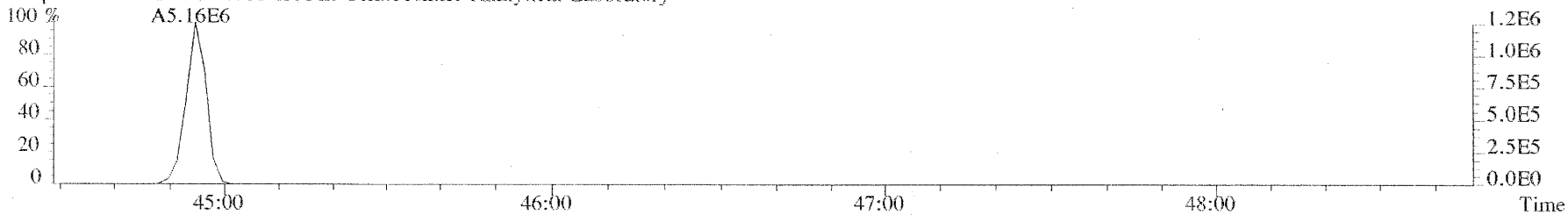
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



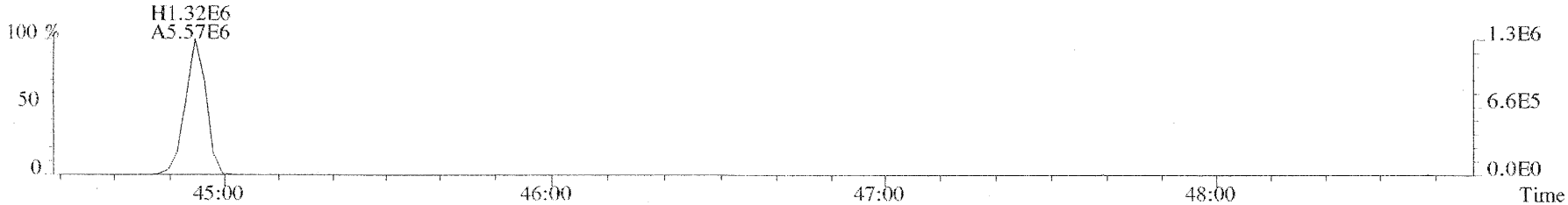
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



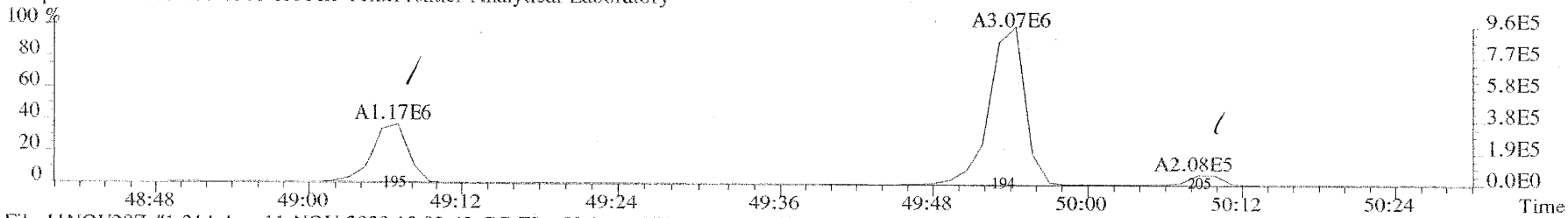
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



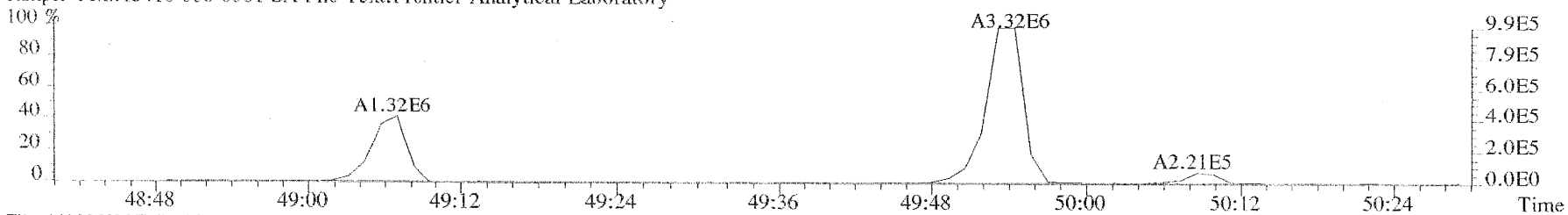
File:11NOV20Z #1-407 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



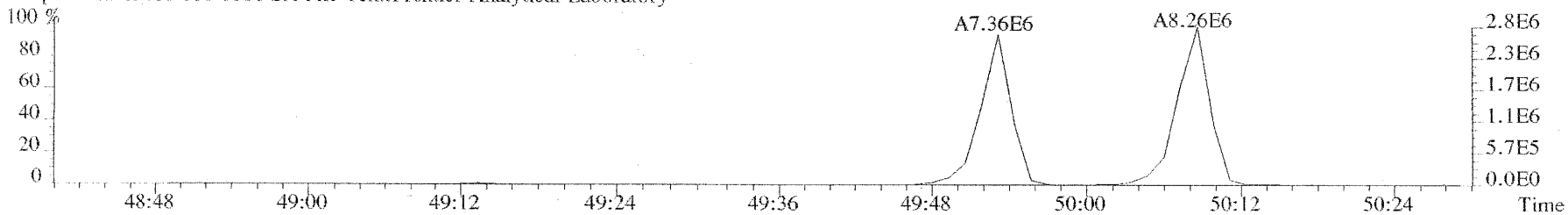
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



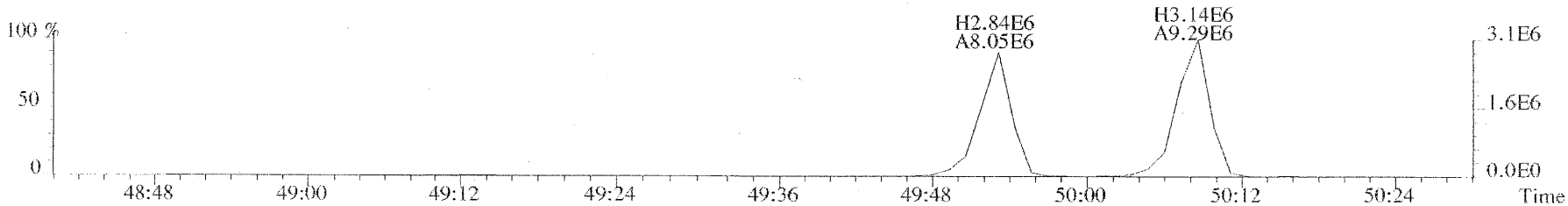
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



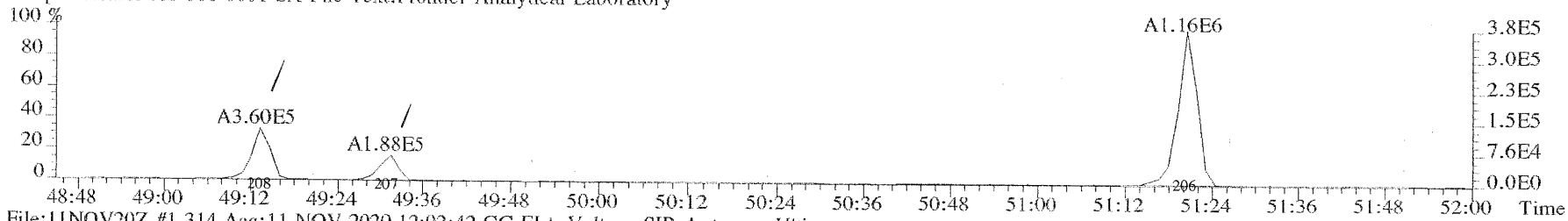
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



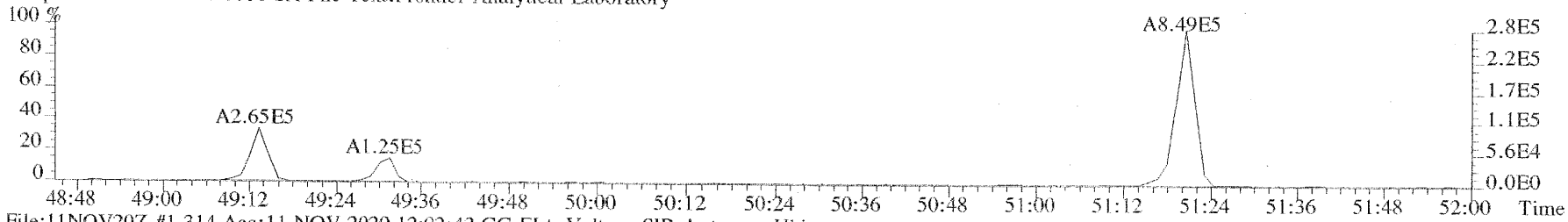
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



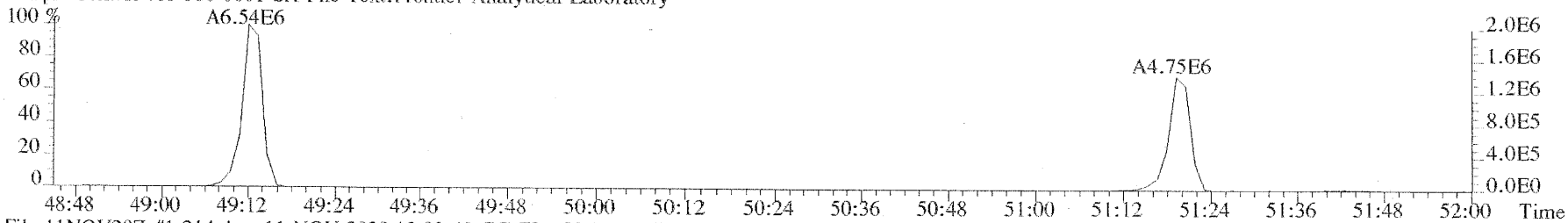
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



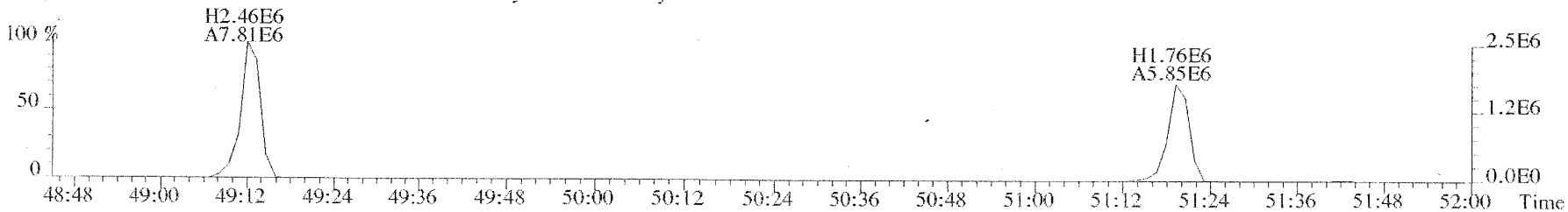
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



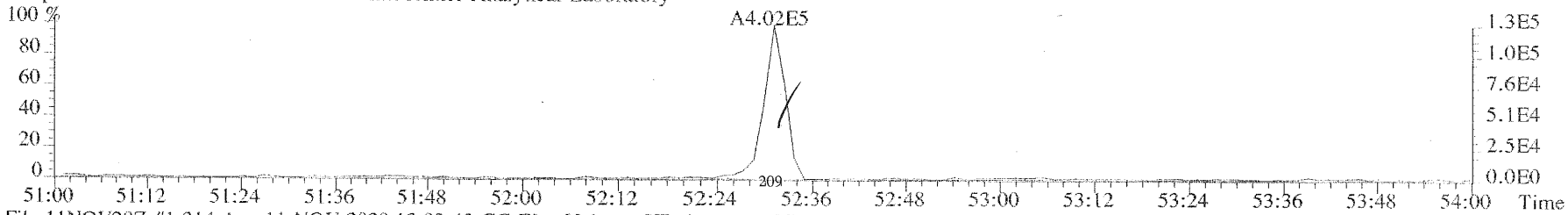
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



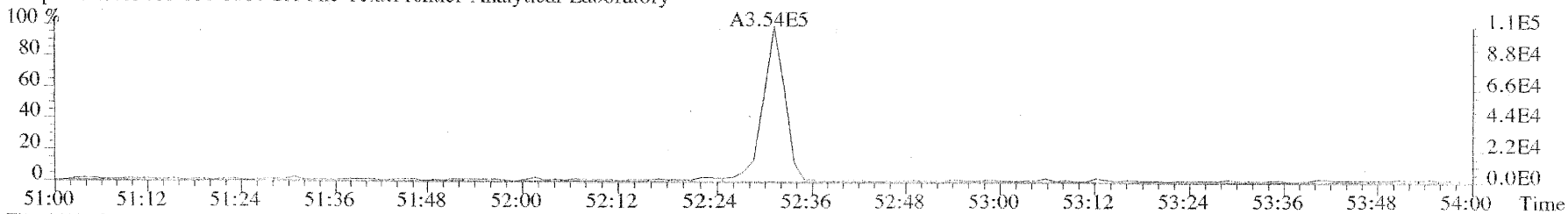
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



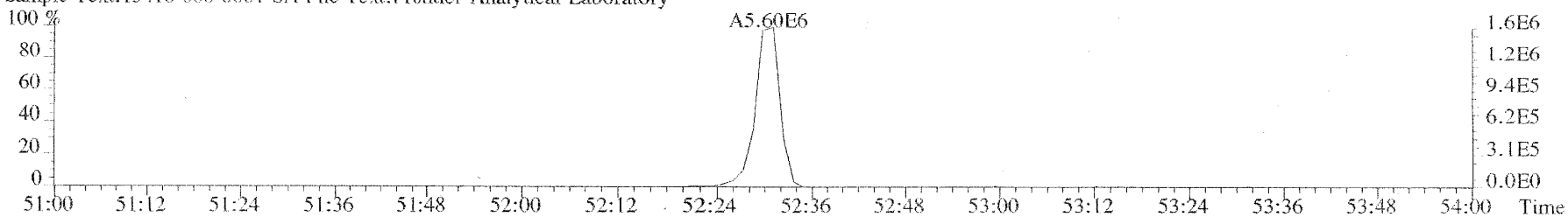
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



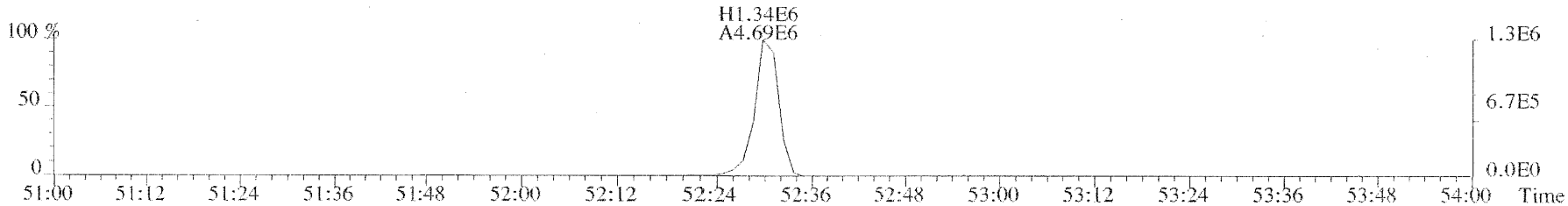
File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 12:02:42 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-006-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-007-0001-SA Filename: 11NOV20Z Sam:8 Acquired: 11-NOV-20 13:01:04 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CB-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	4.01e+05	3.22 y	14:36	1.30	7.36		-	-	*			
13C-PCB-1	4.20e+07	3.27 y	14:35	0.83	903					90.4	1.22e+07	3.72e+06
PCB-2	9.24e+04	2.67 y	16:48	1.30	1.88	J	-	-	*			
PCB-3	1.97e+05	3.20 y	17:01	1.27	4.64		-	-	*			
13C-PCB-3	3.35e+07	3.33 y	17:00	0.81	744					74.5	8.85e+06	2.63e+06
PCB-4	1.61e+06	1.58 y	18:16	1.09	43.8		-	-	*			
PCB-10	1.70e+05	1.47 y	18:19	1.46	3.03		-	-	*			
13C-PCB-4	3.38e+07	1.60 y	18:15	0.66	922					92.4	6.85e+06	4.20e+06
PCB-9	3.92e+05	1.56 y	19:57	1.41	7.23		-	-	*			
PCB-7	4.53e+05	1.37 y	19:59	1.43	8.24		-	-	*			
PCB-6	2.37e+06	1.39 y	20:34	1.39	44.3		-	-	*			
PCB-8	9.73e+06	1.54 y	20:57	1.42	179		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		680	3210	0.625			
PCB-14	*	* n	NotFnd	1.41	*		680	3210	0.596			
PCB-11	4.12e+05	1.63 y	23:09	1.33	8.05		-	-	*			
PCB-13	2.53e+05	1.56 y	23:28	1.38	4.76		-	-	*			
PCB-12	4.10e+05	1.46 y	23:29	1.37	7.79		-	-	*			
PCB-15	4.17e+06	1.41 y	23:49	1.22	79.1		-	-	*			
13C-PCB-15	4.30e+07	1.58 y	23:47	1.01	762					76.4	7.41e+06	4.62e+06
PCB-19	7.21e+05	1.15 y	22:10	1.29	25.6		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2600	876	0.706			
PCB-18	7.66e+06	1.07 y	23:43	1.34	262		-	-	*			
PCB-17	3.75e+06	1.06 y	23:53	1.43	120		-	-	*			
PCB-27	6.05e+05	1.16 y	24:24	1.89	14.7		-	-	*			
PCB-24	5.40e+05	1.11 y	24:25	1.89	13.1		-	-	*			
PCB-16	2.69e+06	1.04 y	24:53	1.61	76.9		-	-	*			
PCB-32	3.60e+06	1.18 y	24:55	1.62	102		-	-	*			
13C-PCB-19	2.18e+07	1.12 y	22:09	0.43	901					90.3	3.35e+06	3.02e+06
13C-PCB-9	5.58e+07	1.61 y	19:55	-	5.69							
PCB-34	1.04e+05	1.06 y	25:39	1.09	2.82		-	-	*			
PCB-23	*	* n	NotFnd	1.28	*		1080	1000	0.650			
PCB-29	1.70e+05	1.16 y	25:59	1.23	4.07		-	-	*			
PCB-26	4.16e+06	1.08 y	26:11	1.19	102		-	-	*			
PCB-25	2.43e+06	1.05 y	26:21	1.14	62.5		-	-	*			
PCB-31	1.92e+07	1.07 y	26:41	1.23	459		-	-	*			
PCB-28	2.38e+07	1.08 y	26:46	1.32	526		-	-	*			
PCB-20	1.26e+07	1.07 y	27:23	1.14	324		-	-	*		Co-elute PCB 21/33	
PCB-21	1.26e+07	1.07 y	27:23	1.14	324		-	-	*		Co-elute PCB 20/33	
PCB-33	1.26e+07	1.07 y	27:23	1.14	324		-	-	*		Co-elute PCB 20/21	
PCB-22	8.21e+06	1.06 y	27:47	1.24	194		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1080	1000	0.693			
PCB-39	*	* n	NotFnd	1.24	*		1080	1000	0.675			
PCB-38	2.38e+05	1.03 y	29:34	1.18	5.92		-	-	*			
PCB-35	6.47e+05	1.06 y	30:07	1.19	15.9		-	-	*			
PCB-37	5.18e+06	1.05 y	30:34	1.22	124		-	-	*			
13C-PCB-37	3.40e+07	1.06 y	30:32	1.72	711					71.2	3.23e+06	2.99e+06

PCB-54	5.51e+04	0.84	y	25:43	1.32	1.45	J	-	-	*			
PCB-50	4.65e+04	0.82	y	26:49	1.10	1.46	J	-	-	*			
PCB-53	1.58e+06	0.81	y	27:25	1.08	50.5		-	-	*			
PCB-51	6.05e+05	0.82	y	27:46	1.14	18.3		-	-	*			
PCB-45	1.41e+06	0.81	y	28:10	0.96	50.6		-	-	*			
PCB-46	5.53e+05	0.82	y	28:37	0.92	20.8		-	-	*			
PCB-52	1.36e+07	0.80	y	29:04	1.19	395		-	-	*	Co-elute PCB 69		
PCB-69	1.36e+07	0.80	y	29:04	1.19	395		-	-	*	Co-elute PCB 52		
PCB-73	1.66e+05	0.76	y	29:12	1.39	4.15		-	-	*			
PCB-43	9.03e+06	0.80	y	29:23	1.07	291		-	-	*	Co-elute PCB 49		
PCB-49	9.03e+06	0.80	y	29:23	1.07	291		-	-	*	Co-elute PCB 43		
PCB-47	3.69e+06	0.79	y	29:36	1.09	117		-	-	*			
PCB-48	2.58e+06	0.83	y	29:42	1.39	64.0		-	-	*	Co-elute PCB 75		
PCB-75	2.58e+06	0.83	y	29:42	1.39	64.0		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*		1200	1540	0.695			
PCB-62	*	*	n	NotFnd	1.39	*		1200	1540	0.694			
PCB-44	7.67e+06	0.80	y	30:24	0.93	285		-	-	*			
PCB-42	3.89e+06	0.78	y	30:39	1.19	113		-	-	*	Co-elute PCB 59		
PCB-59	3.89e+06	0.78	y	30:39	1.19	113		-	-	*	Co-elute PCB 42		
PCB-72	9.66e+06	0.80	y	31:15	1.34	249		-	-	*	Co-elute PCB 41/71/64		
PCB-41	9.66e+06	0.80	y	31:15	1.34	249		-	-	*	Co-elute PCB 72/71/64		
PCB-71	9.66e+06	0.80	y	31:15	1.34	249		-	-	*	Co-elute PCB 72/41/64		
PCB-64	9.66e+06	0.80	y	31:15	1.34	249		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.31e+05	0.75	y	31:32	1.52	2.99		-	-	*			
PCB-40	1.36e+06	0.80	y	31:42	0.85	55.4		-	-	*			
PCB-57	1.21e+05	0.71	y	31:56	1.43	2.92		-	-	*			
PCB-67	5.75e+05	0.77	y	32:12	1.44	13.8		-	-	*			
PCB-58	5.93e+04	0.74	y	32:19	1.47	1.39	J	-	-	*			
PCB-63	6.33e+05	0.80	y	32:27	1.49	14.7		-	-	*			
PCB-74	7.35e+06	0.81	y	32:44	1.43	177		-	-	*			
PCB-61	1.63e+07	0.79	y	32:55	1.34	419		-	-	*	Co-elute PCB 70		
PCB-70	1.63e+07	0.79	y	32:55	1.34	419		-	-	*	Co-elute PCB 61		
PCB-76	1.50e+07	0.79	y	33:07	1.52	342		-	-	*	Co-elute PCB 66		
PCB-66	1.50e+07	0.79	y	33:07	1.52	342		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*		1200	1540	0.503			
PCB-55	3.93e+05	0.77	y	33:36	1.59	8.53		-	-	*			
13C-PCB-54	2.89e+07	0.82	y	25:42	1.06	979					98.1	3.24e+06	3.85e+06
PCB-104	*	*	n	NotFnd	1.19	*		404	564	0.519			
PCB-96	9.95e+04	1.57	y	31:32	1.13	4.28		-	-	*			
PCB-103	2.39e+05	1.55	y	31:56	0.97	12.0		-	-	*			
PCB-100	1.42e+05	1.62	y	32:15	0.97	7.08		-	-	*			
PCB-94	6.68e+04	1.41	y	32:41	0.81	4.02		-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*		404	564	0.711	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*		404	564	0.711	Co-elute PCB 98		
PCB-95	9.71e+06	1.56	y	33:10	0.94	501		-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*		404	564	0.683			
PCB-88	1.89e+06	1.55	y	33:33	0.99	93.1		-	-	*	Co-elute PCB 91		
PCB-91	1.89e+06	1.55	y	33:33	0.99	93.1		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*		404	564	0.539			
13C-PCB-104	2.06e+07	1.56	y	30:12	0.89	828					83.0	2.40e+06	1.53e+06
13C-PCB-28	5.12e+07	1.07	y	26:46	1.90	970					97.2	6.41e+06	5.97e+06
13C-PCB-52	2.78e+07	0.81	y	29:03	-	5.45							

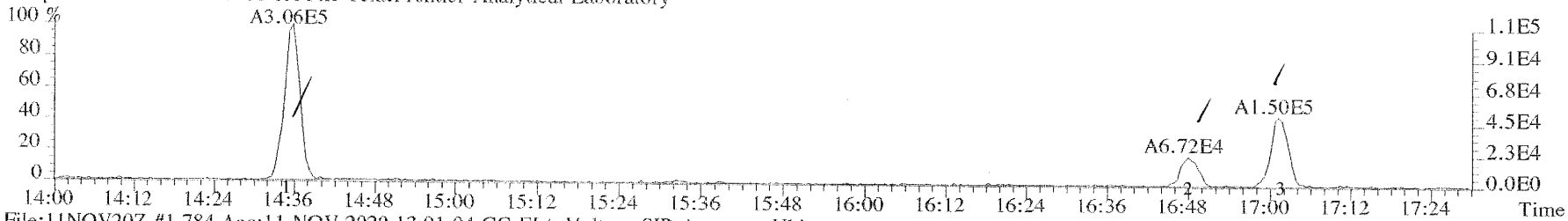
PCB-56	1.21e+07	0.82	y	34:05	1.24	314		-	-	*		Co-elute PCB 60	
PCB-60	1.21e+07	0.82	y	34:05	1.24	314		-	-	*		Co-elute PCB 56	
PCB-79	3.33e+05	0.68	y	35:05	1.25	8.56		-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*		850	1380	0.640			
PCB-81	5.01e+05	0.72	y	36:16	1.28	12.4		-	-	*			
13C-PCB-81	3.14e+07	0.78	y	36:14	1.63	828					82.9	3.04e+06	3.90e+06
PCB-77	1.38e+06	0.77	y	36:48	1.14	39.5		-	-	*			
13C-PCB-77	3.06e+07	0.80	y	36:46	1.65	798					80.0	3.17e+06	3.96e+06
PCB-155	*	*	n	NotFnd	1.10	*		604	636	0.485			
PCB-150	8.18e+04	1.26	y	35:32	1.03	3.32		-	-	*			
PCB-152	2.76e+04	1.15	y	36:00	1.02	1.13	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.03	*		604	636	0.519			
PCB-136	3.09e+06	1.26	y	36:41	0.97	133		-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*		604	636	0.664			
PCB-154	5.81e+05	1.16	y	37:15	0.87	27.7		-	-	*			
13C-PCB-155	2.39e+07	1.29	y	34:18	1.12	916					91.8	3.25e+06	2.53e+06
13C-PCB-111	2.65e+07	1.61	y	36:22	1.26	906					90.8	3.62e+06	2.25e+06
13C-PCB-101	2.32e+07	1.63	y	34:45	-	5.07							
PCB-84	5.83e+06	1.59	y	34:25	0.73	223		-	-	*		Co-elute PCB 92	
PCB-92	5.83e+06	1.59	y	34:25	0.73	223		-	-	*		Co-elute PCB 84	
PCB-89	1.69e+05	1.63	y	34:35	0.73	6.51		-	-	*			
PCB-90	1.83e+07	1.62	y	34:46	0.81	633		-	-	*		Co-elute PCB 101	
PCB-101	1.83e+07	1.62	y	34:46	0.81	633		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*		930	832	0.630			
PCB-99	8.61e+06	1.60	y	35:05	0.91	266		-	-	*			
PCB-119	6.98e+05	1.60	y	35:31	1.04	18.7		-	-	*			
PCB-83	7.18e+05	1.49	y	35:41	0.80	25.0		-	-	*		Co-elute PCB 112	
PCB-112	7.18e+05	1.49	y	35:41	0.80	25.0		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*		930	832	0.571			
PCB-97	4.52e+06	1.56	y	36:00	0.69	184		-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*		930	832	0.836			
PCB-125	6.83e+06	1.56	y	36:16	0.93	206		-	-	*		Co-elute PCB 87/117	
PCB-87	6.83e+06	1.56	y	36:16	0.93	206		-	-	*		Co-elute PCB 125/117	
PCB-117	6.83e+06	1.56	y	36:16	0.93	206		-	-	*		Co-elute PCB 125/87	
PCB-111	4.75e+05	1.63	y	36:25	1.01	13.1		-	-	*		Co-elute PCB 115	
PCB-115	4.75e+05	1.63	y	36:25	1.01	13.1		-	-	*		Co-elute PCB 111	
PCB-85	2.80e+06	1.56	y	36:31	0.86	91.4		-	-	*		Co-elute PCB 116	
PCB-116	2.80e+06	1.56	y	36:31	0.86	91.4		-	-	*		Co-elute PCB 85	
PCB-120	9.38e+04	1.71	y	36:45	1.07	2.46		-	-	*			
PCB-110	2.13e+07	1.58	y	36:53	0.95	627		-	-	*			
PCB-82	1.52e+06	1.59	y	37:29	0.60	70.5		-	-	*			
PCB-124	1.10e+06	1.61	y	38:08	1.26	24.4		-	-	*			
PCB-108	1.67e+06	1.66	y	38:18	1.19	39.1		-	-	*		Co-elute PCB 107	
PCB-107	1.67e+06	1.66	y	38:18	1.19	39.1		-	-	*		Co-elute PCB 108	
PCB-123	4.17e+05	1.50	y	38:26	1.12	10.6		-	-	*			
13C-PCB-123	3.51e+07	1.57	y	38:24	1.36	1000					100	4.81e+06	3.08e+06
PCB-118	2.14e+07	1.59	y	38:36	1.16	505		-	-	*		Co-elute PCB 106	
PCB-106	2.14e+07	1.59	y	38:36	1.16	505		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.64e+07	1.62	y	38:36	1.43	987					98.9	5.02e+06	3.04e+06
PCB-114	5.49e+05	1.61	y	39:14	1.27	11.9		-	-	*			
13C-PCB-114	3.61e+07	1.59	y	39:12	1.36	1020					103	4.97e+06	3.03e+06
PCB-122	3.07e+05	1.41	y	39:20	1.13	7.59		-	-	*			
PCB-105	8.65e+06	1.59	y	40:03	1.26	196		-	-	*			
13C-PCB-105	3.49e+07	1.59	y	40:02	1.35	1000					101	4.75e+06	2.94e+06

PCB-127	*	*	n	NotFnd	1.14	*	1870	1280	0.870				
PCB-126	1.25e+05	1.53	y	42:10	1.19	3.73	-	-	*				
13C-PCB-126	2.79e+07	1.57	y	42:08	1.33	812				81.4	3.97e+06	2.56e+06	
PCB-151	5.53e+06	1.26	y	37:53	0.91	218	-	-	*				
PCB-135	2.82e+06	1.21	y	38:05	0.92	110	-	-	*				
PCB-144	1.35e+06	1.40	y	38:11	0.91	53.1	-	-	*				
PCB-147	4.75e+05	1.13	y	38:19	0.96	17.8	-	-	*				
PCB-139	2.23e+07	1.26	y	38:33	0.99	806	-	-	*		Co-elute PCB 149		
PCB-149	2.23e+07	1.26	y	38:33	0.99	806	-	-	*		Co-elute PCB 139		
PCB-140	2.02e+05	1.18	y	38:44	0.96	7.52	-	-	*				
PCB-143	1.12e+06	1.29	y	39:09	0.81	49.6	-	-	*		Co-elute PCB 134		
PCB-134	1.12e+06	1.29	y	39:09	0.81	49.6	-	-	*		Co-elute PCB 143		
PCB-131	6.84e+05	1.24	y	39:25	0.81	30.4	-	-	*		Co-elute PCB 133		
PCB-133	6.84e+05	1.24	y	39:25	0.81	30.4	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.82	*	1000	780	0.789				
PCB-165	4.33e+06	1.31	y	39:48	1.06	146	-	-	*		Co-elute PCB 146		
PCB-146	4.33e+06	1.31	y	39:48	1.06	146	-	-	*		Co-elute PCB 165		
PCB-161	6.98e+06	1.25	y	40:03	1.02	245	-	-	*		Co-elute PCB 132		
PCB-132	6.98e+06	1.25	y	40:03	1.02	245	-	-	*		Co-elute PCB 161		
PCB-153	3.22e+07	1.25	y	40:10	1.06	1090	-	-	*				
PCB-168	8.24e+04	1.08	y	40:23	1.17	2.53	-	-	*				
PCB-141	4.46e+06	1.30	y	40:53	0.91	175	-	-	*				
PCB-137	1.04e+06	1.15	y	41:14	0.96	38.7	-	-	*				
PCB-130	1.28e+06	1.29	y	41:21	0.78	59.3	-	-	*				
PCB-138	3.02e+07	1.26	y	41:40	1.10	983	-	-	*		Co-elute PCB 163/164		
PCB-163	3.02e+07	1.26	y	41:40	1.10	983	-	-	*		Co-elute PCB 138/164		
PCB-164	3.02e+07	1.26	y	41:40	1.10	983	-	-	*		Co-elute PCB 138/163		
PCB-158	3.37e+06	1.30	y	41:53	1.22	99.5	-	-	*		Co-elute PCB 160		
PCB-160	3.37e+06	1.30	y	41:53	1.22	99.5	-	-	*		Co-elute PCB 158		
PCB-129	8.07e+05	1.31	y	42:08	0.79	36.4	-	-	*				
PCB-166	8.32e+04	1.36	y	42:36	1.19	2.50	-	-	*				
PCB-159	4.05e+05	1.39	y	42:56	1.32	11.0	-	-	*				
PCB-128	4.06e+06	1.21	y	43:09	1.06	138	-	-	*		Co-elute PCB 162		
PCB-162	4.06e+06	1.21	y	43:09	1.06	138	-	-	*		Co-elute PCB 128		
PCB-167	1.17e+06	1.30	y	43:32	1.19	33.2	-	-	*				
13C-PCB-167	2.95e+07	1.29	y	43:31	1.17	975				97.7	3.89e+06	3.03e+06	
PCB-156	3.00e+06	1.25	y	44:45	1.28	80.4	-	-	*				
13C-PCB-156	2.91e+07	1.28	y	44:45	1.16	970				97.2	3.85e+06	2.91e+06	
PCB-157	6.02e+05	1.20	y	45:01	1.22	16.7	-	-	*				
13C-PCB-157	2.94e+07	1.30	y	44:59	1.18	966				96.7	4.10e+06	3.11e+06	
PCB-169	*	*	n	NotFnd	1.14	*	1000	780	0.581				
13C-PCB-169	2.35e+07	1.28	y	46:50	1.19	761				76.3	3.77e+06	2.95e+06	

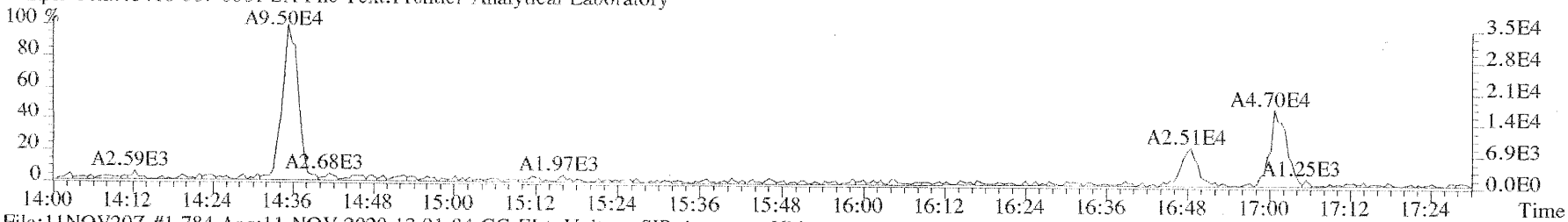
PCB-188	*	*	n	NotFnd	1.15	*	560	768	0.553			
13C-PCB-188	2.20e+07	1.10	y	39:48	0.96	891				89.3	2.73e+06	2.46e+06
PCB-184	*	*	n	NotFnd	1.26	*	560	768	0.474			
PCB-179	3.41e+06	1.05	y	40:59	1.19	132	-	-	*			
PCB-176	1.24e+06	1.07	y	41:25	1.16	49.1	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	560	768	0.505			
PCB-178	1.31e+06	1.06	y	42:28	0.86	69.9	-	-	*			
PCB-175	2.44e+05	1.04	y	42:48	0.92	12.1	-	-	*			
PCB-187	8.81e+06	1.07	y	42:56	0.99	407	-	-	*		Co-elute PCB 182	
PCB-182	8.81e+06	1.07	y	42:56	0.99	407	-	-	*		Co-elute PCB 187	
PCB-183	4.36e+06	1.08	y	43:16	0.96	209	-	-	*			
PCB-185	6.84e+05	1.15	y	43:52	0.91	34.4	-	-	*			
PCB-174	6.11e+06	1.07	y	44:13	0.94	299	-	-	*			
PCB-181	*	*	n	NotFnd	0.92	*	560	768	0.647			
PCB-177	3.50e+06	1.08	y	44:28	0.86	187	-	-	*			
PCB-171	1.86e+06	1.12	y	44:45	0.89	95.4	-	-	*			
PCB-173	1.41e+05	1.10	y	45:09	0.82	7.87	-	-	*			
PCB-172	9.79e+05	1.10	y	45:32	0.87	51.9	-	-	*			
PCB-192	*	*	n	NotFnd	1.11	*	560	768	0.540			
PCB-180	1.39e+07	1.04	y	45:54	0.86	739	-	-	*			
PCB-193	9.43e+05	1.08	y	46:04	1.16	37.1	-	-	*			
PCB-191	3.34e+05	1.14	y	46:17	1.14	13.4	-	-	*			
PCB-170	5.52e+06	1.09	y	47:09	0.85	296	-	-	*			
PCB-190	1.53e+06	1.08	y	47:19	1.10	63.9	-	-	*			
PCB-189	2.61e+05	0.92	y	48:30	1.08	11.2	-	-	*			
13C-PCB-189	2.16e+07	1.07	y	48:30	0.95	880				88.2	3.15e+06	2.81e+06
PCB-202	6.95e+05	1.00	y	44:56	1.05	40.2	-	-	*			
PCB-201	5.15e+05	0.93	y	45:23	1.15	27.1	-	-	*			
PCB-204	*	*	n	NotFnd	1.17	*	660	610	0.771			
PCB-197	1.64e+05	0.94	y	45:47	1.17	8.51	-	-	*			
PCB-200	4.77e+05	0.97	y	46:32	1.16	24.9	-	-	*			
PCB-198	1.46e+05	0.89	y	47:41	0.81	10.9	-	-	*			
PCB-199	2.44e+06	0.95	y	47:46	0.83	179	-	-	*			
PCB-203	3.04e+06	0.90	y	48:01	0.90	205	-	-	*		Co-elute PCB 196	
PCB-196	3.04e+06	0.90	y	48:01	0.90	205	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.65e+07	0.91	y	44:55	0.80	799				80.0	1.62e+06	1.89e+06
13C-PCB-178	1.62e+07	1.11	y	42:26	0.76	823				82.5	1.96e+06	1.74e+06
13C-PCB-138	2.58e+07	1.29	y	41:39	-	5.34						
PCB-195	1.64e+06	0.87	y	49:06	0.91	62.8	-	-	*			
PCB-194	3.97e+06	0.89	y	49:54	0.93	148	-	-	*			
PCB-205	2.58e+05	0.83	y	50:08	1.16	7.69	-	-	*			
13C-PCB-205	2.87e+07	0.88	y	50:08	1.26	933				93.5	4.80e+06	5.23e+06
PCB-208	4.88e+05	1.36	y	49:13	1.13	18.2	-	-	*			
13C-PCB-208	2.37e+07	0.82	y	49:12	1.06	918				92.0	3.46e+06	4.38e+06
PCB-207	2.55e+05	1.30	y	49:31	1.31	9.23	-	-	*			
PCB-206	1.40e+06	1.34	y	51:20	1.15	66.1	-	-	*			
13C-PCB-206	1.84e+07	0.81	y	51:19	0.81	935				93.7	2.62e+06	3.29e+06
PCB-209	6.35e+05	1.30	y	52:31	1.24	29.6	-	-	*			
13C-PCB-209	1.73e+07	1.23	y	52:30	0.87	813				81.5	2.68e+06	2.24e+06
13C-PCB-194	2.44e+07	0.90	y	49:53	-	5.39						

Analyst: _____ Date: 11/12/20

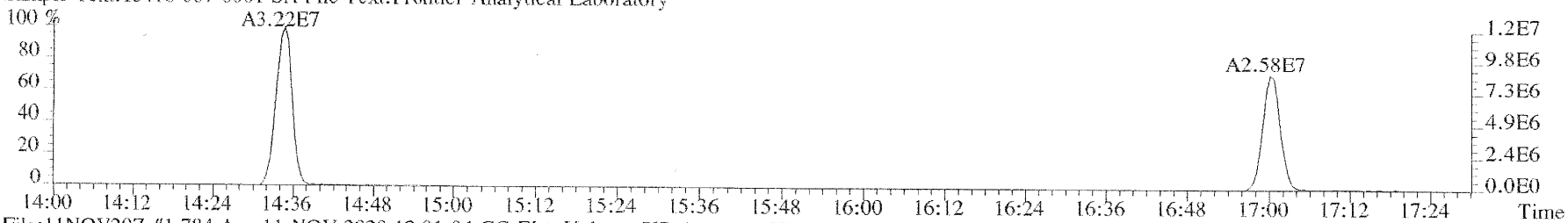
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



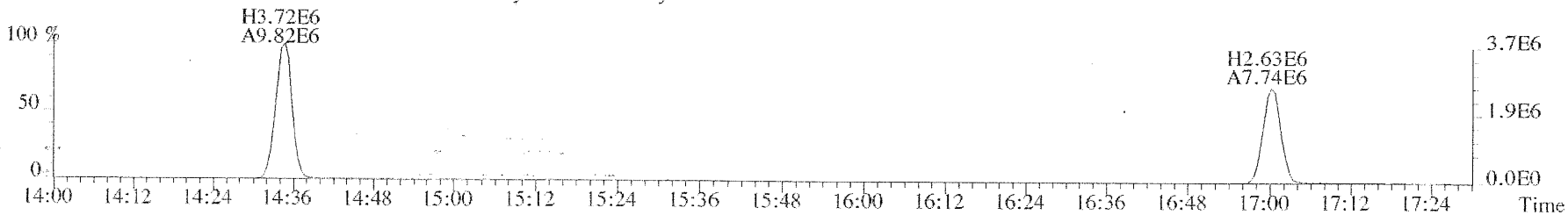
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



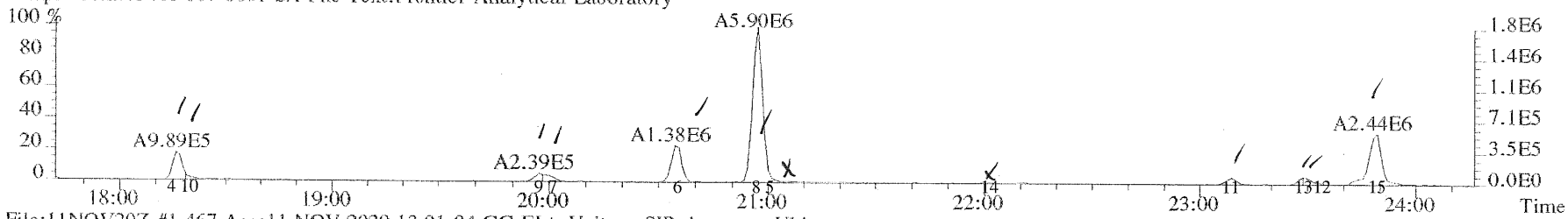
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



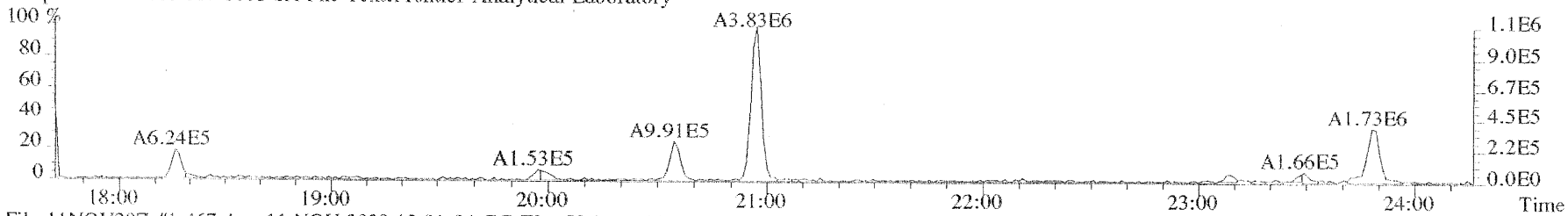
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



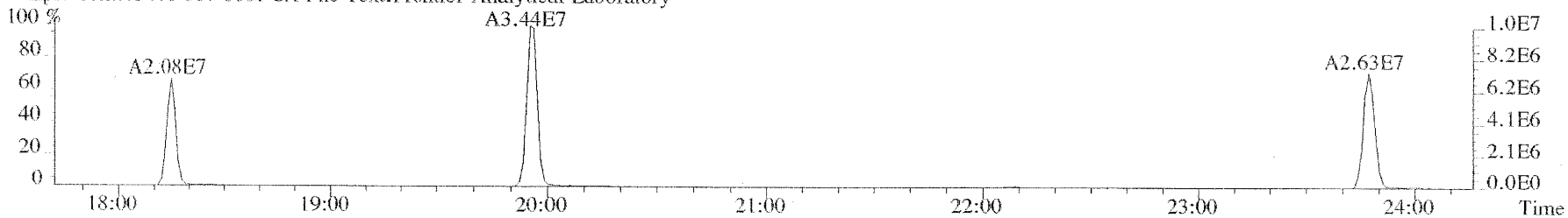
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



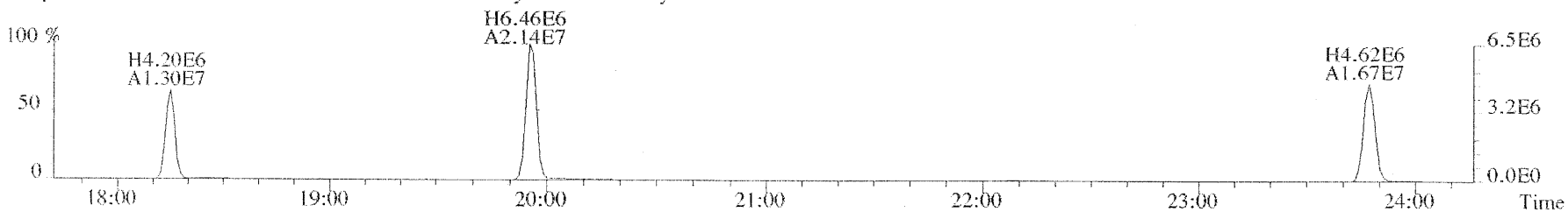
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



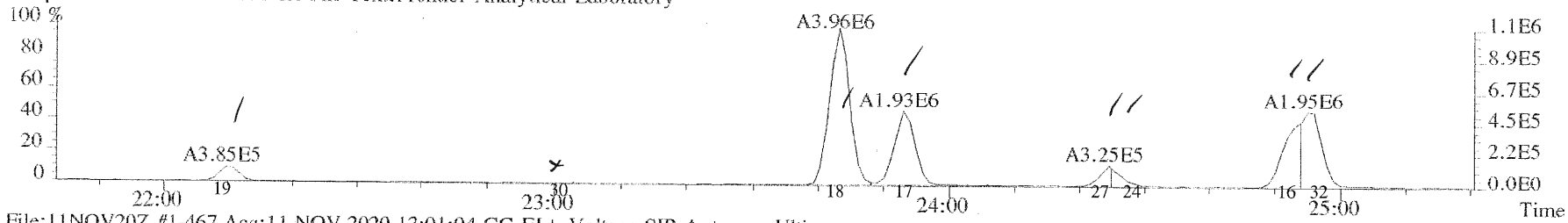
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



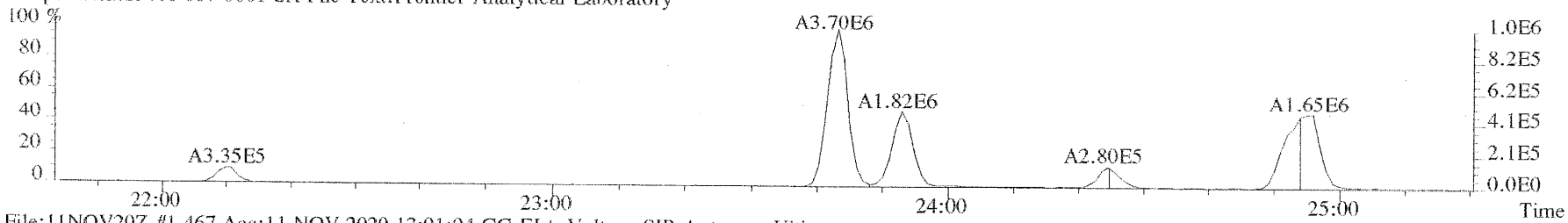
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



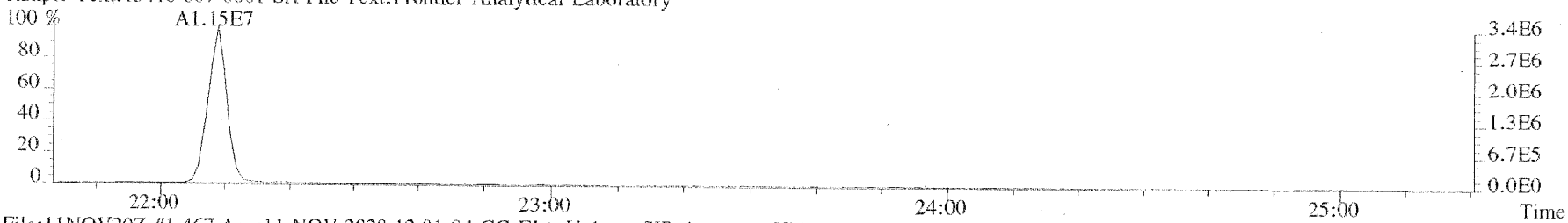
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



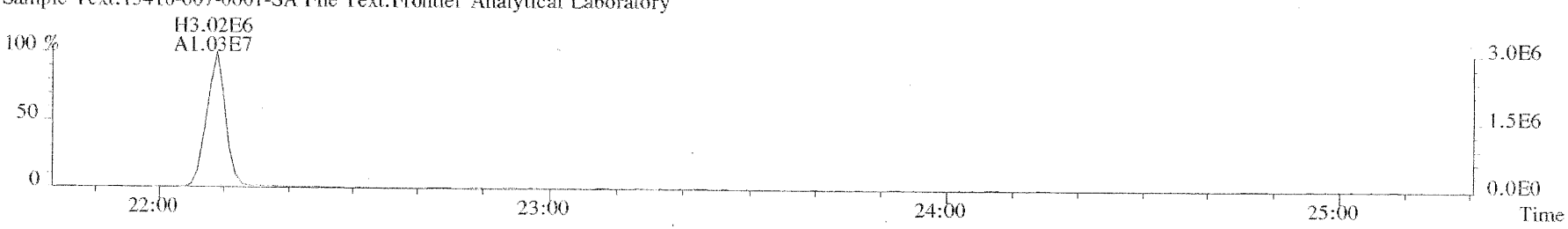
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



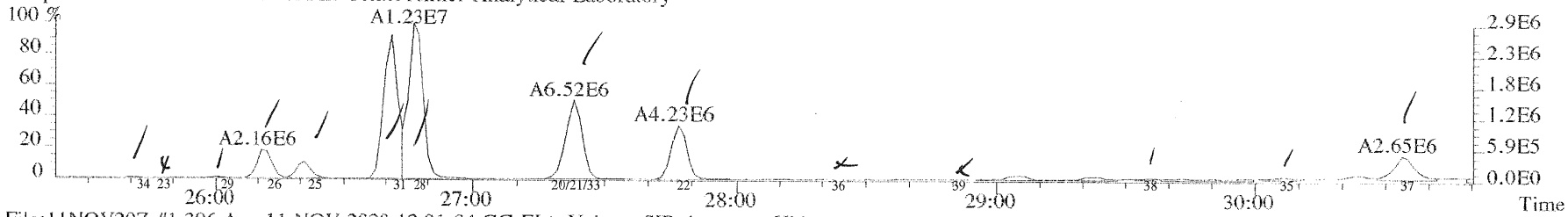
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



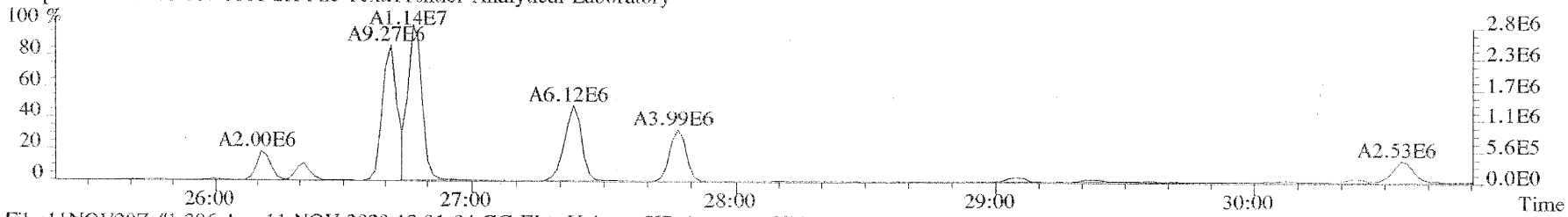
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



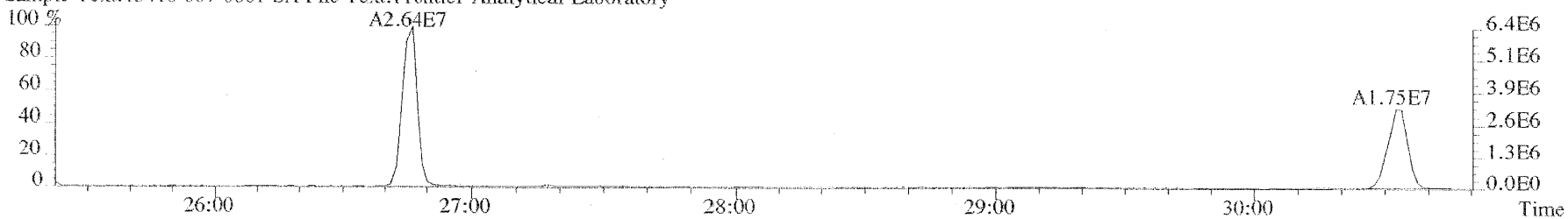
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



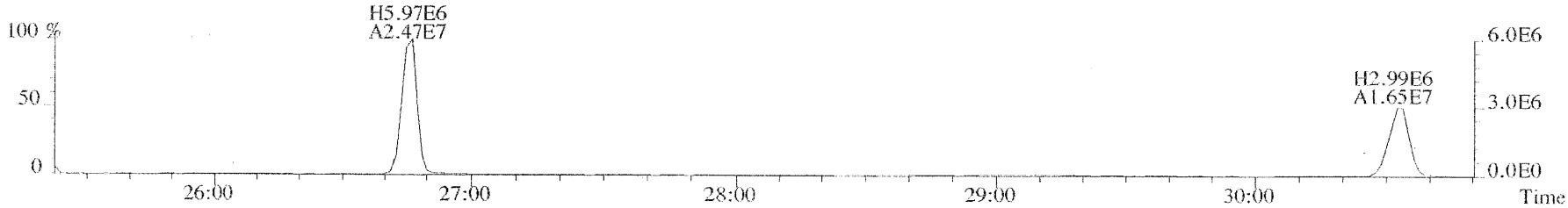
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



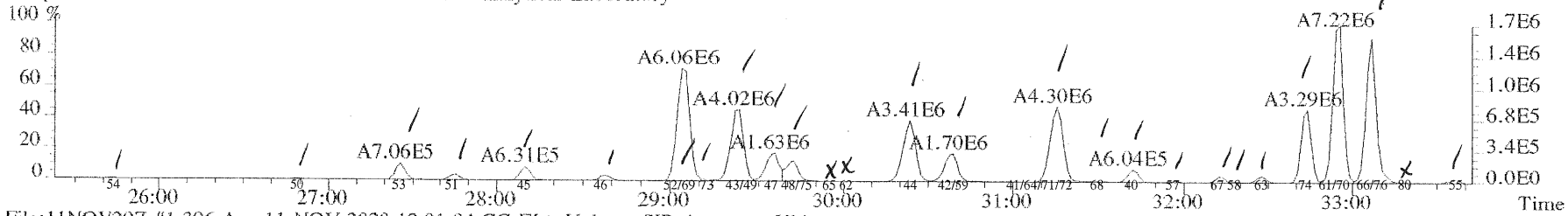
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



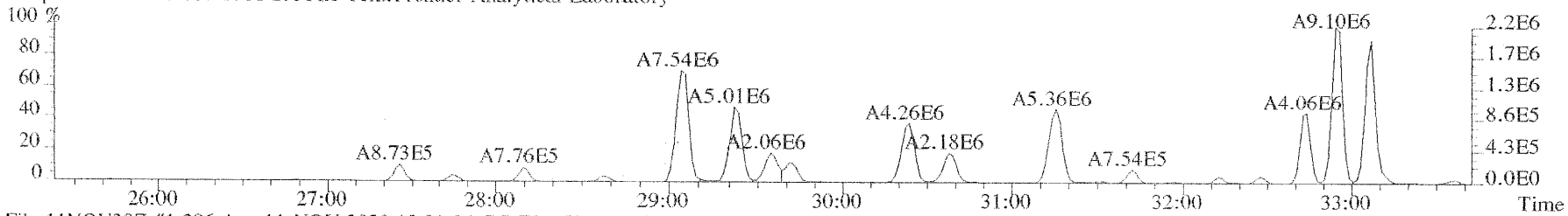
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



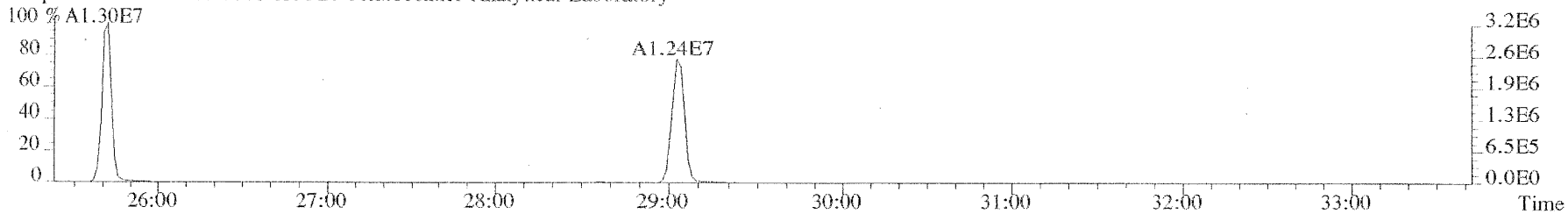
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



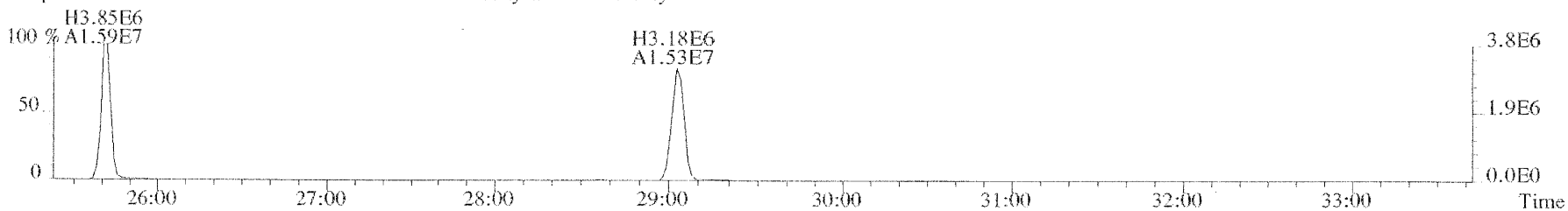
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



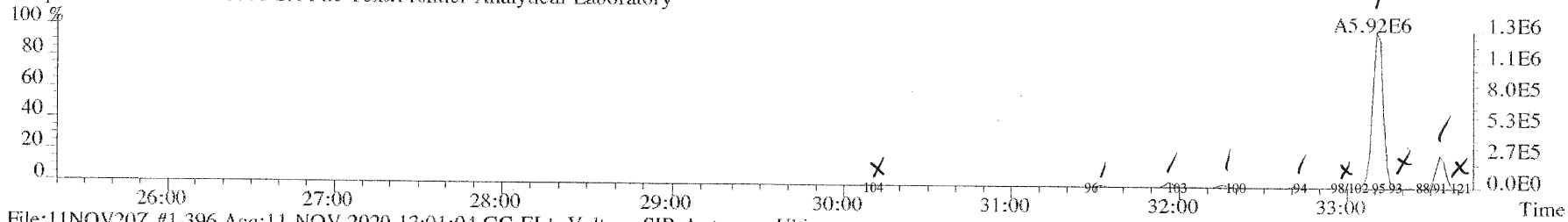
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



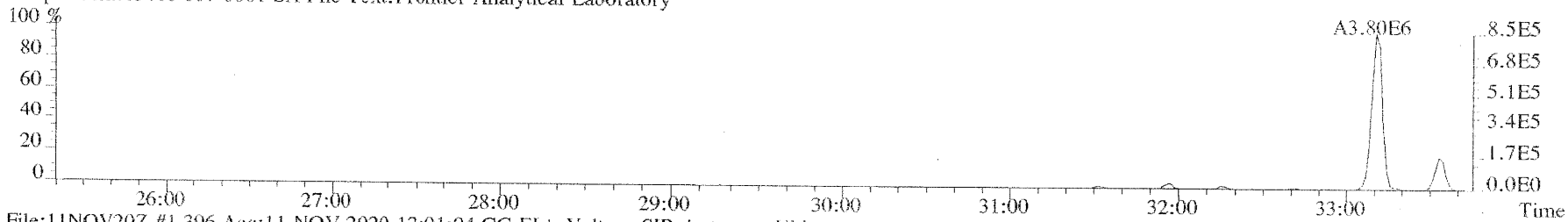
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



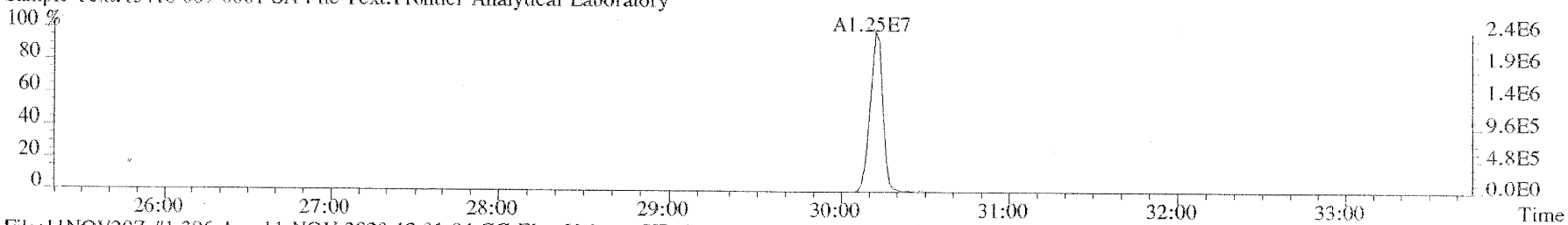
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



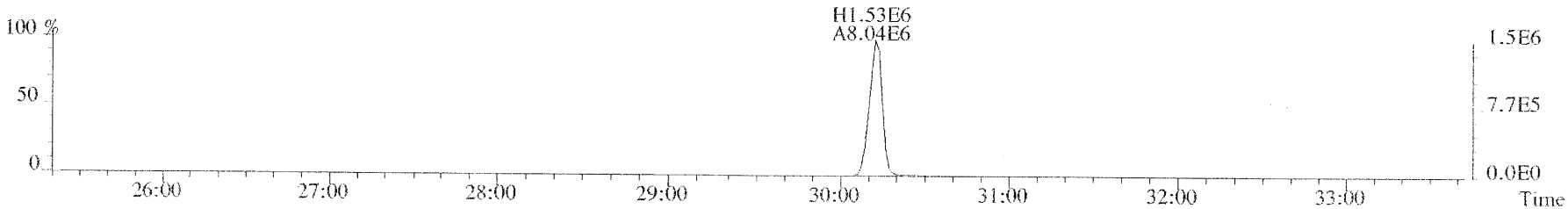
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



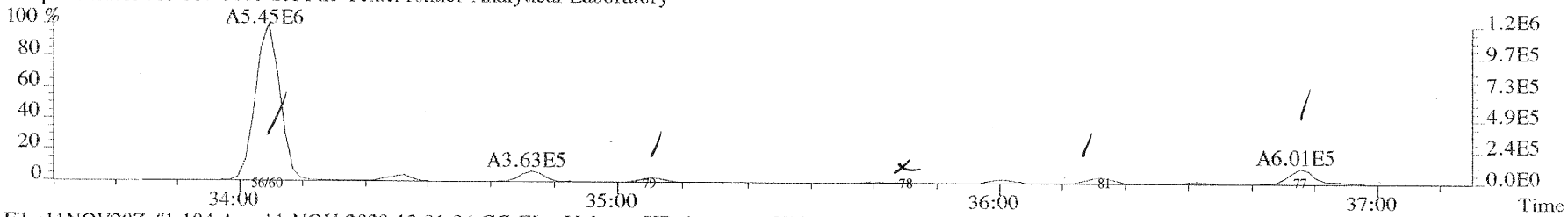
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



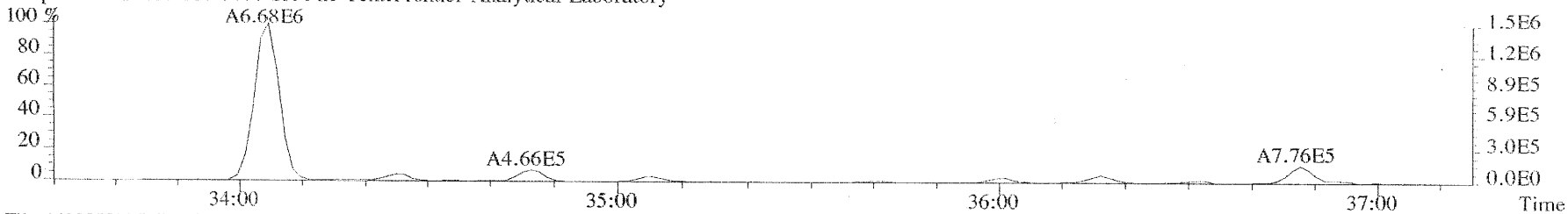
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



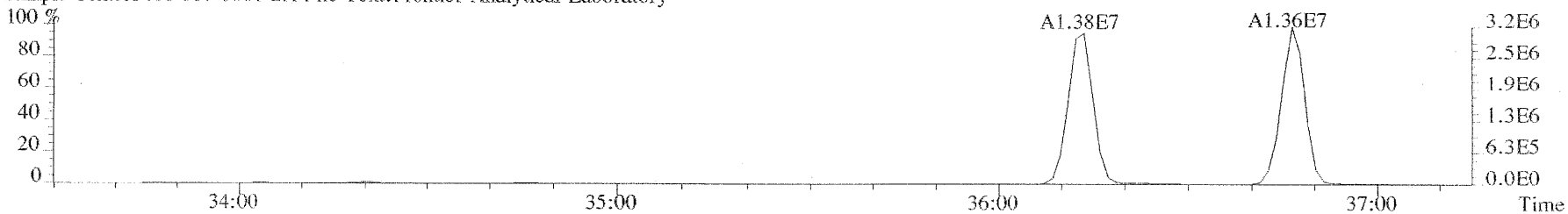
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



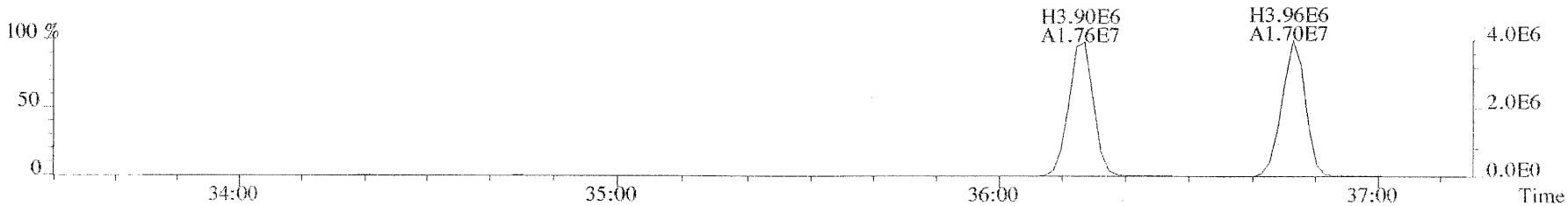
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



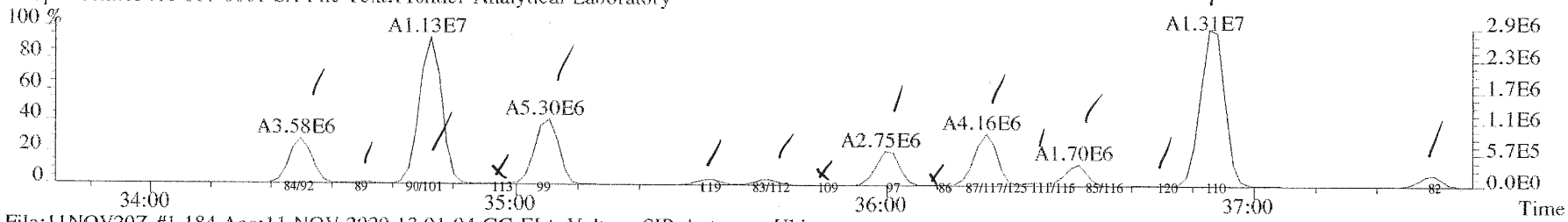
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



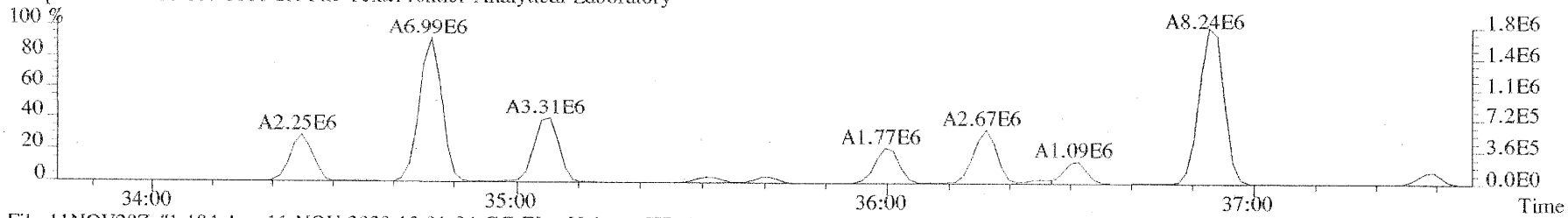
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



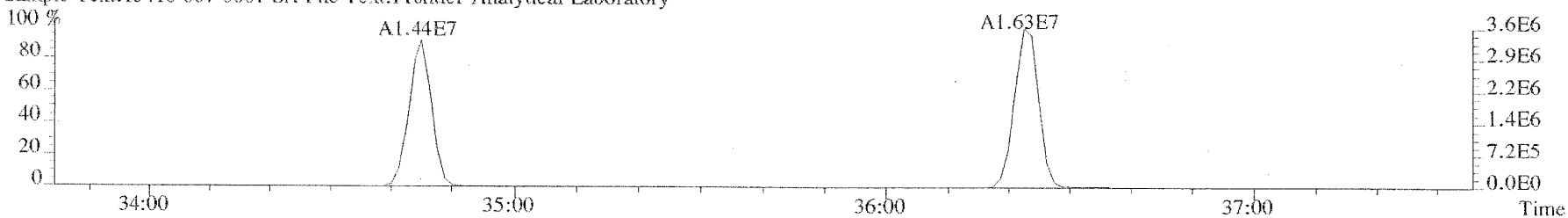
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



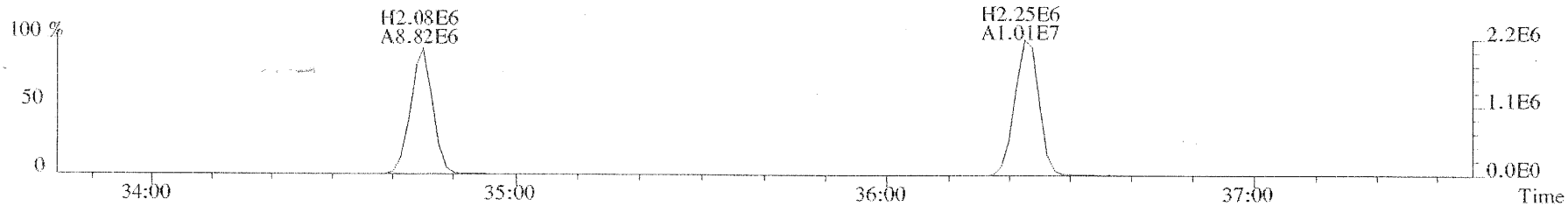
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



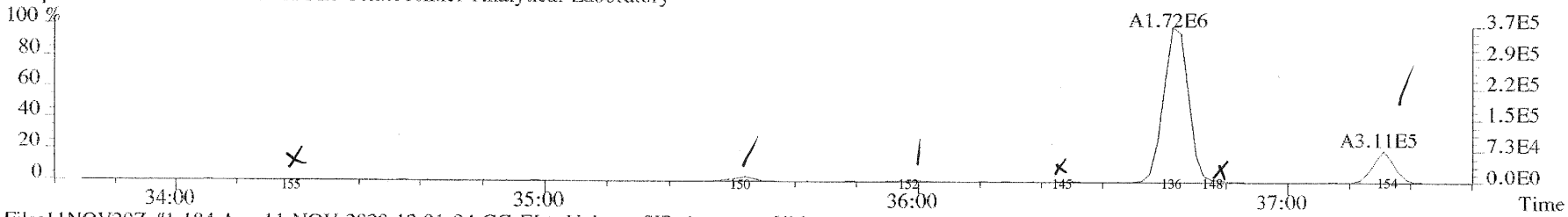
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



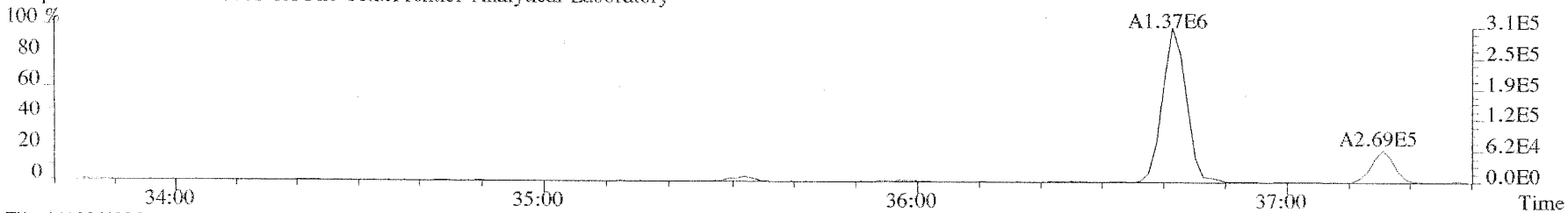
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



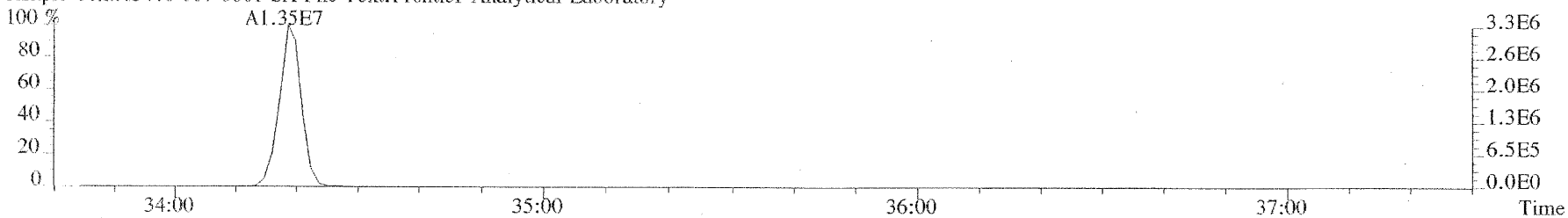
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



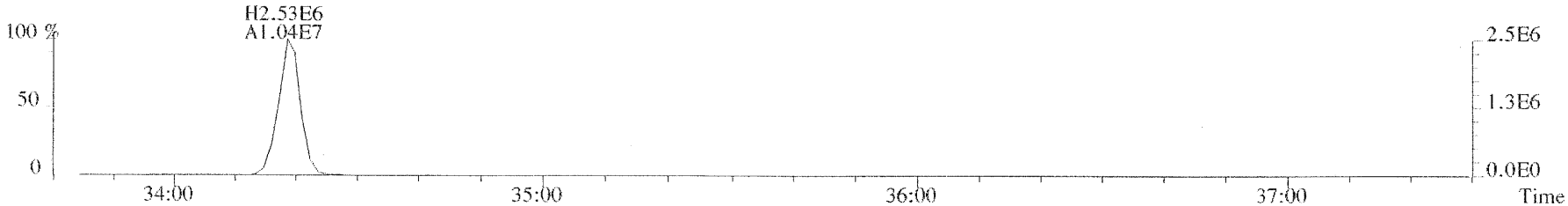
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



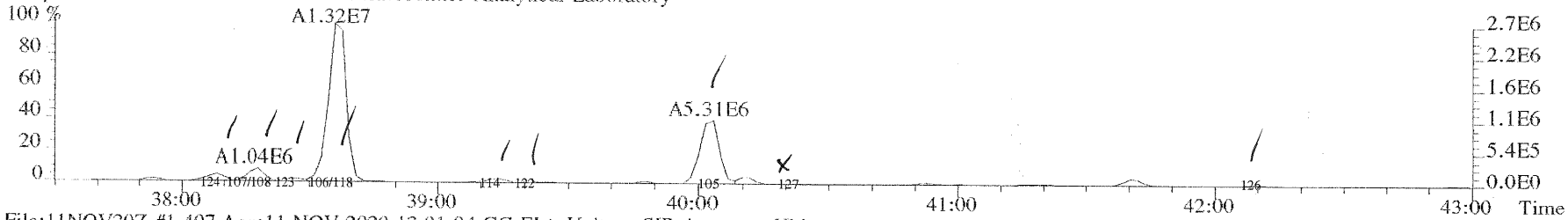
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



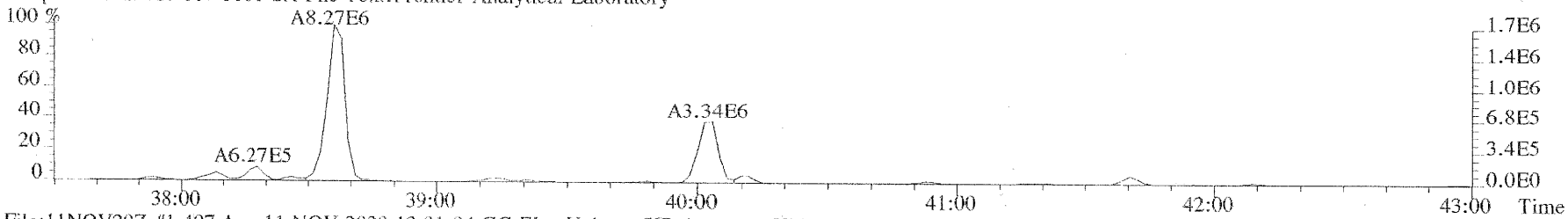
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



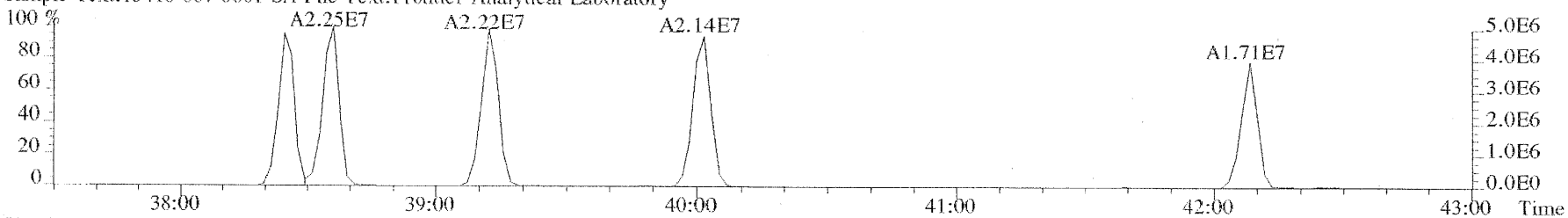
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



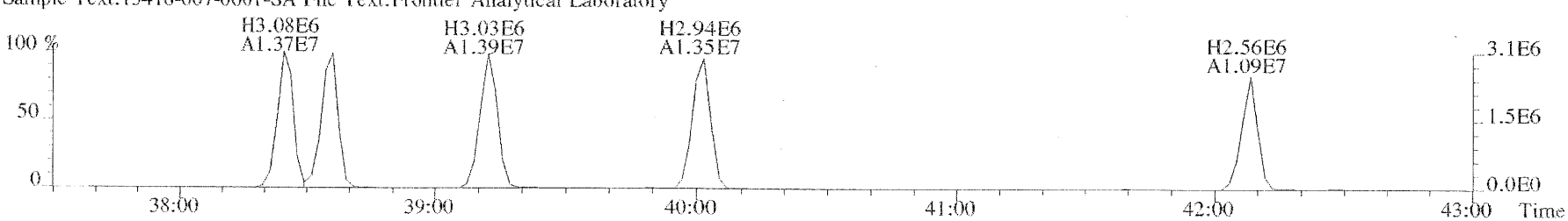
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



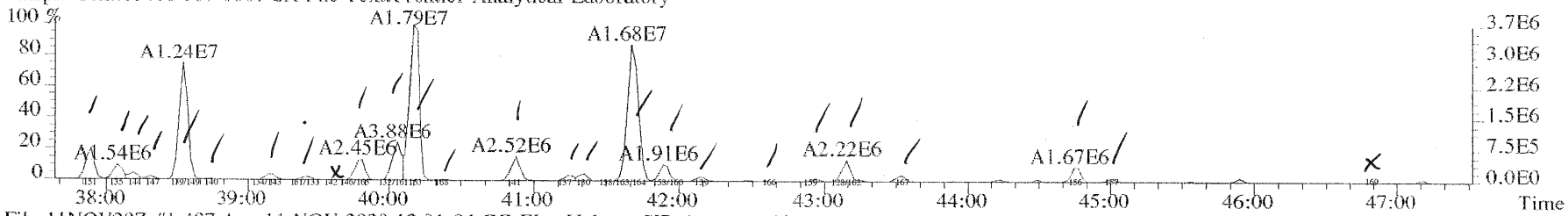
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



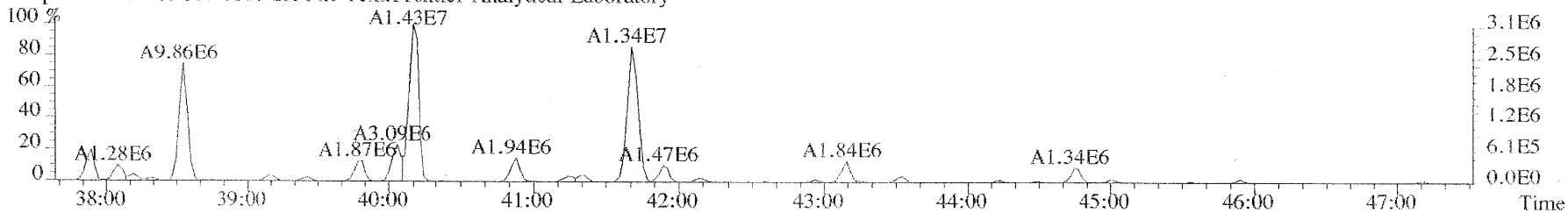
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



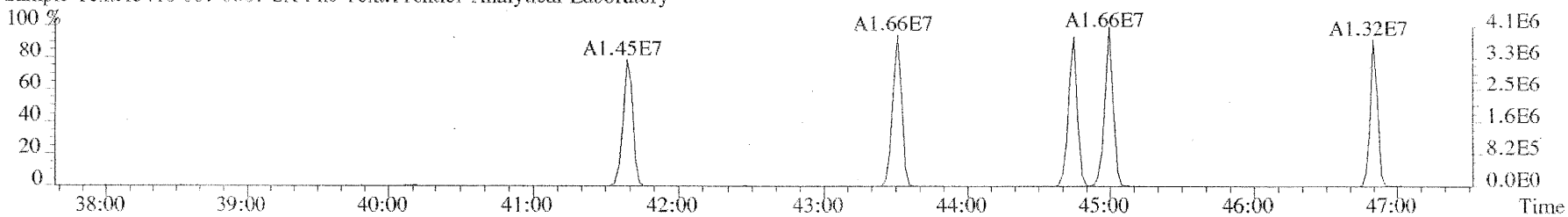
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



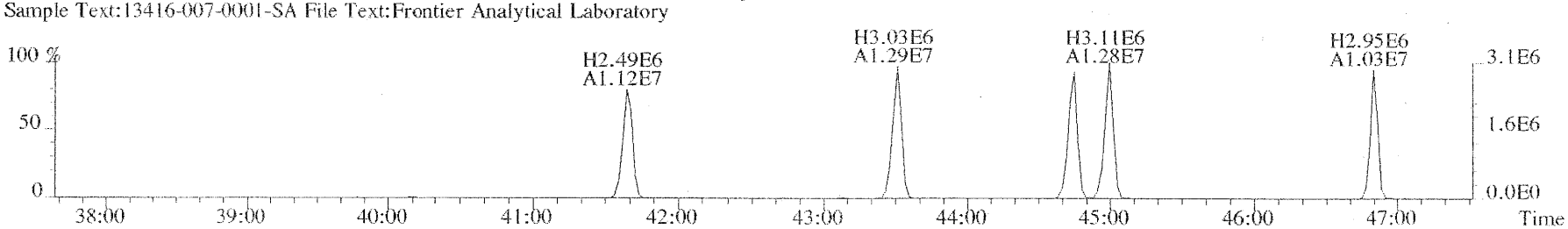
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



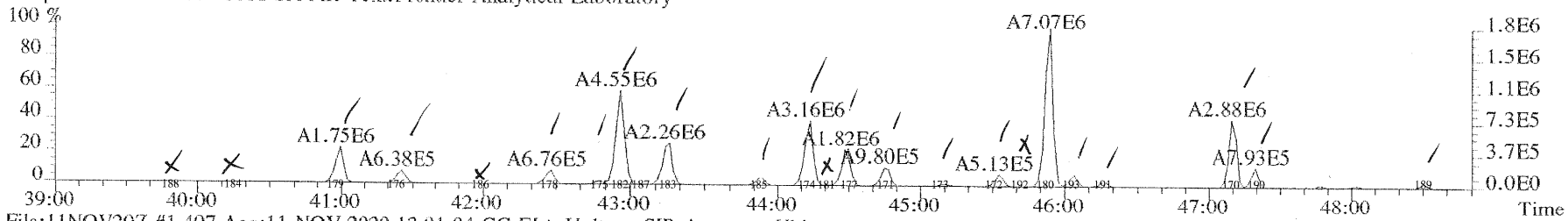
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



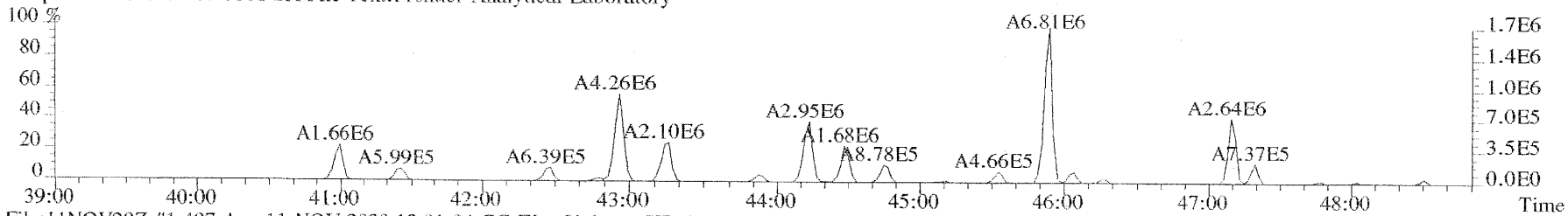
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



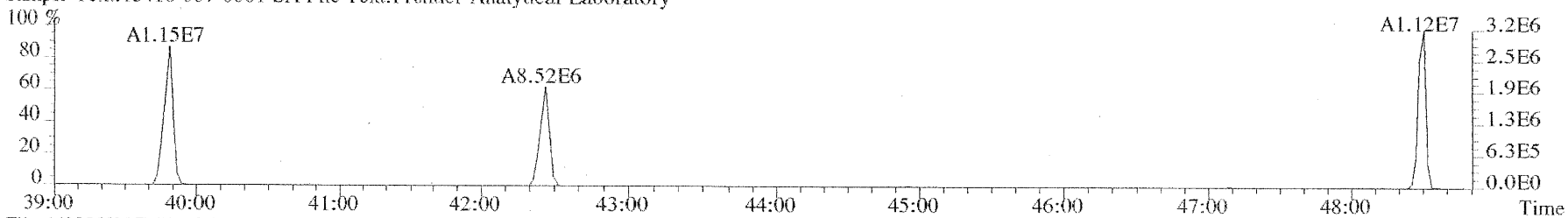
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



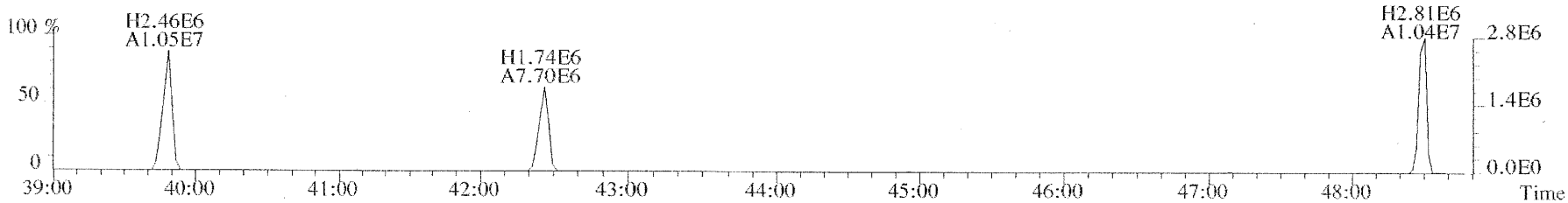
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



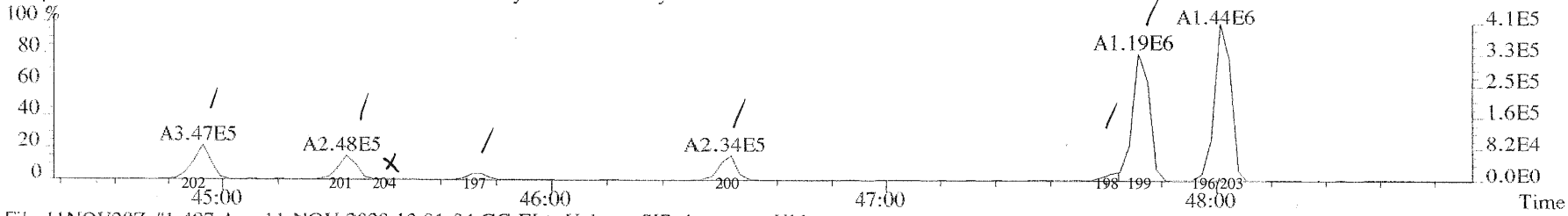
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



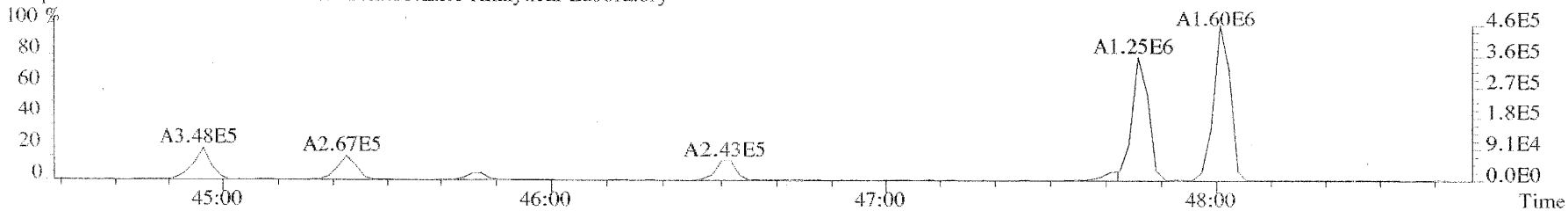
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



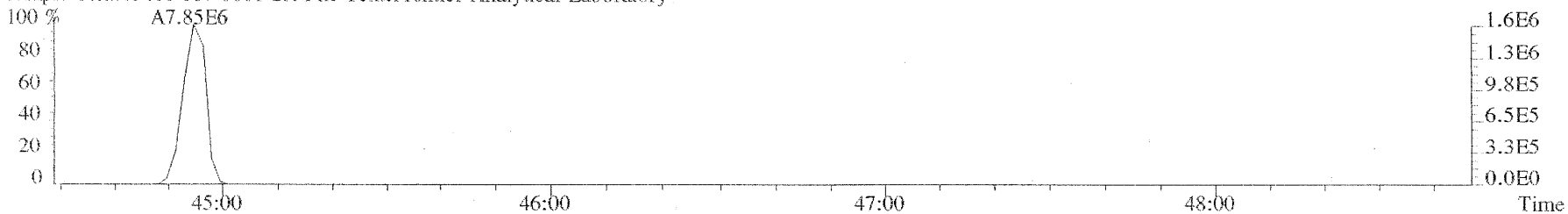
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



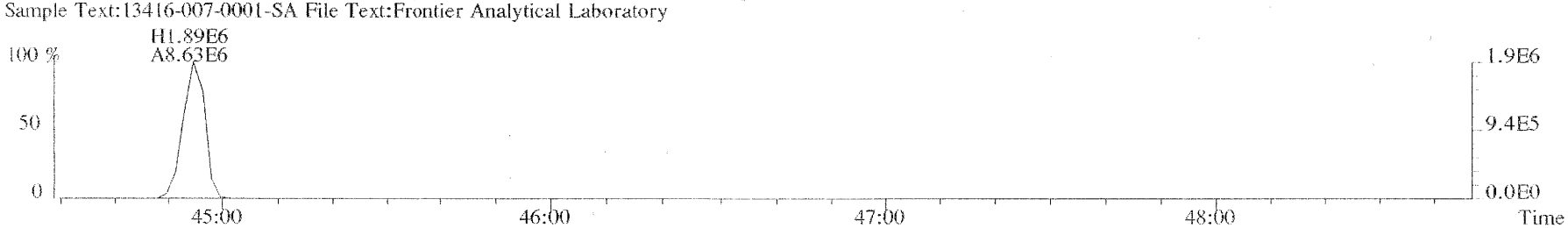
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



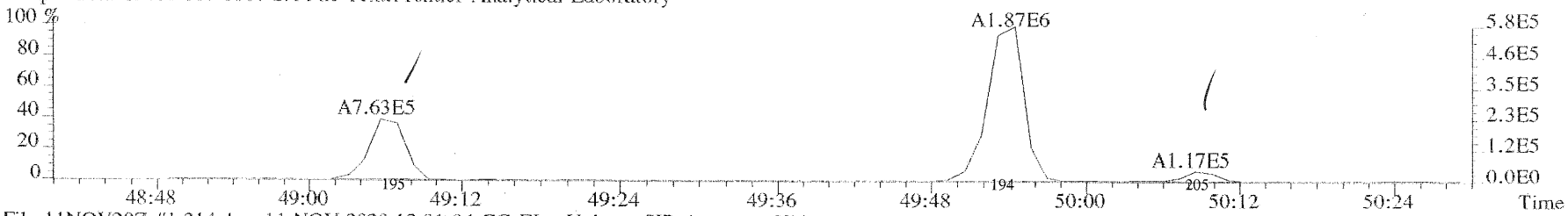
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



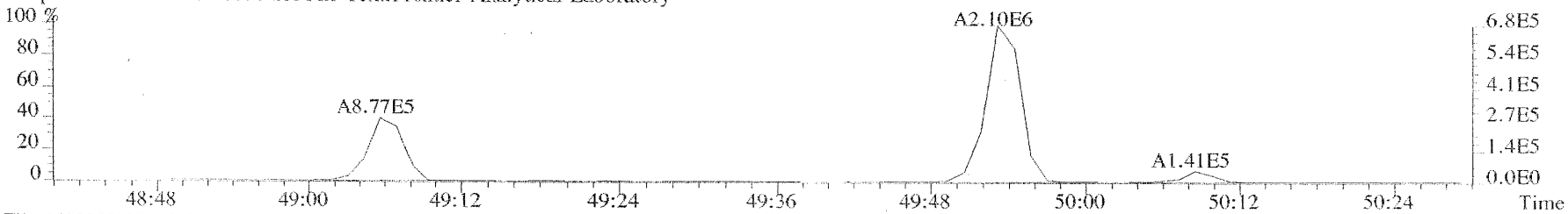
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



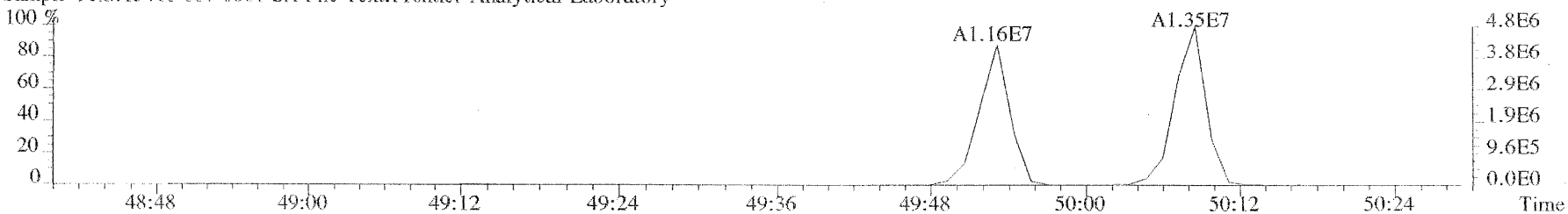
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



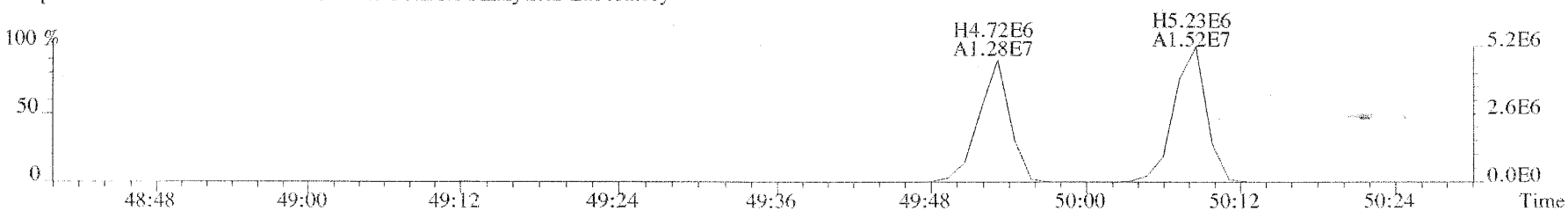
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



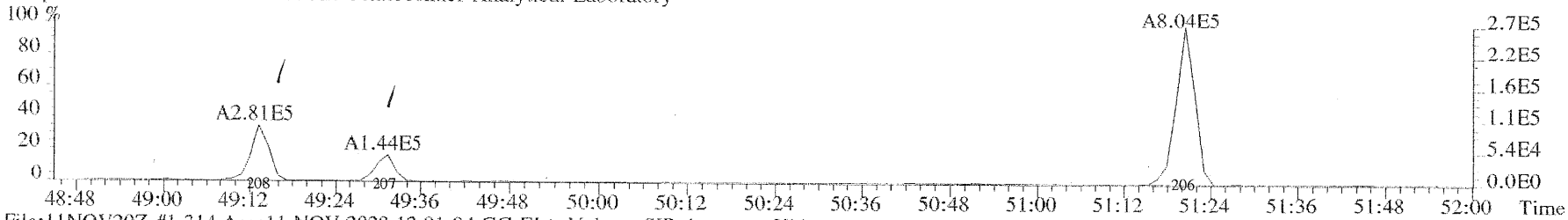
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



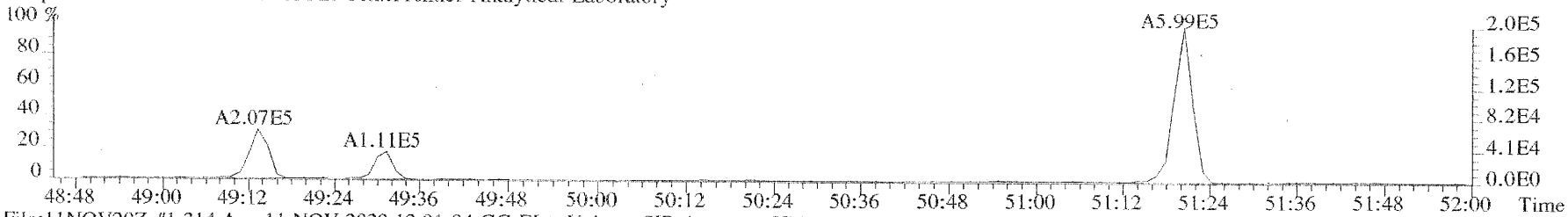
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



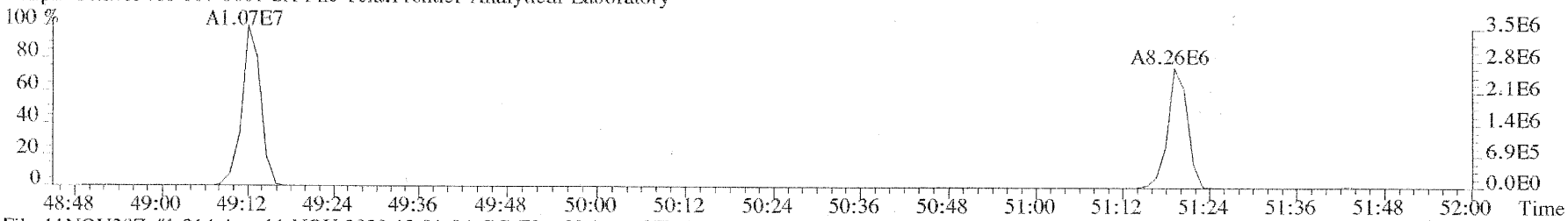
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



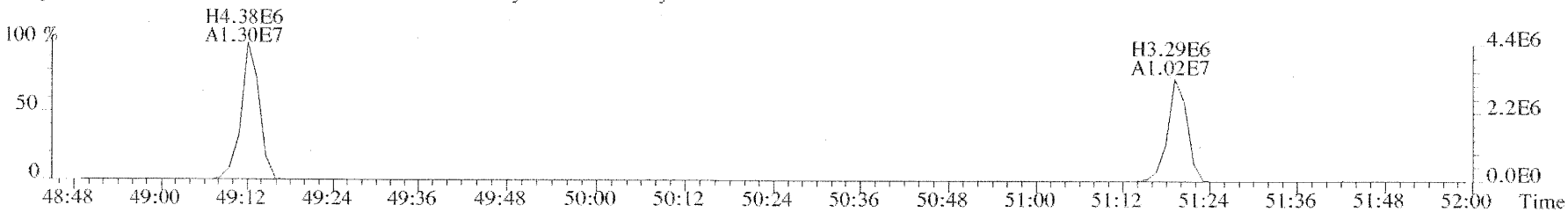
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



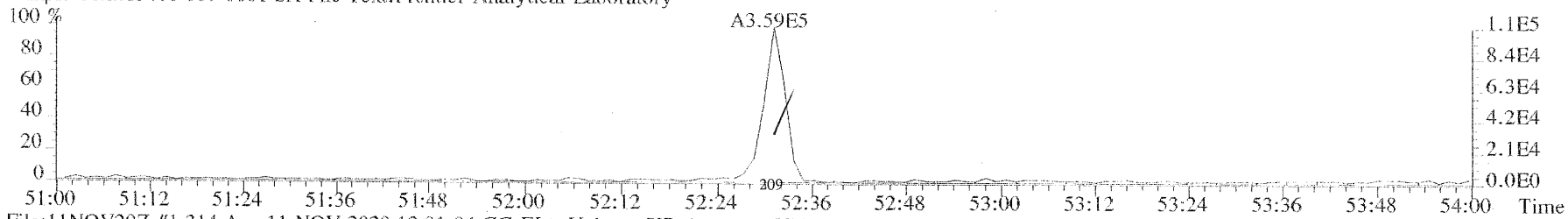
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



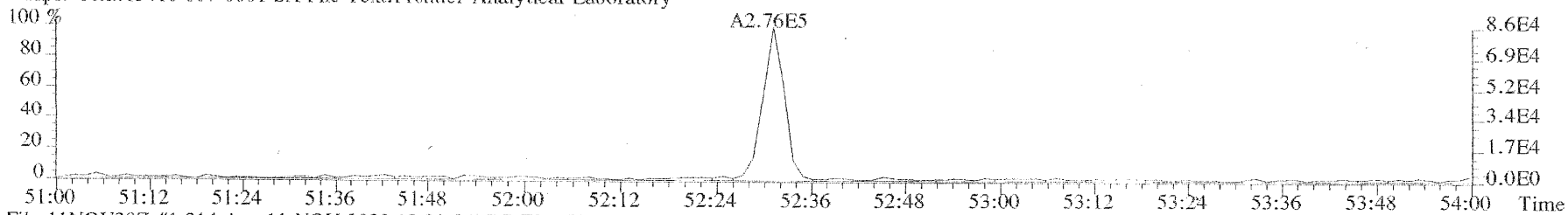
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



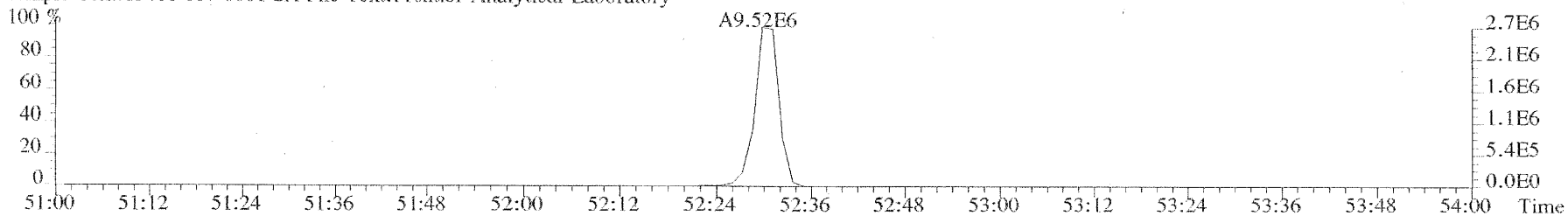
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



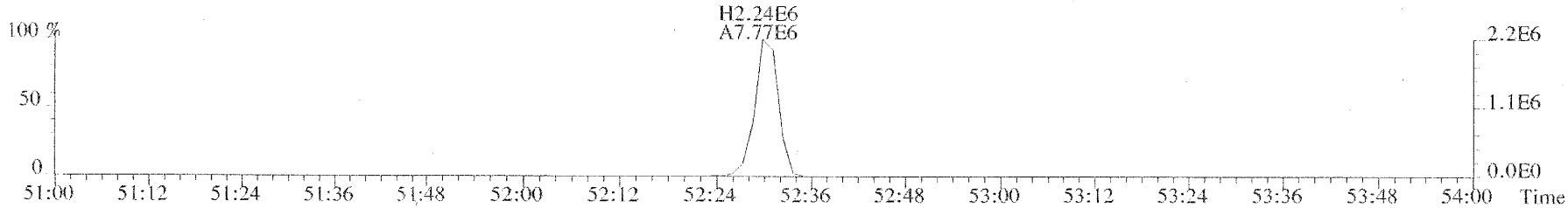
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 13:01:04 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-008-0001-SA Filename: 11NOV20Z Sam:9 Acquired: 11-NOV-20 13:59:25 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CC-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 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	5.29e+05	2.97 y	14:36	1.30	20.0		-	-	*			
13C-PCB-1	2.04e+07	3.28 y	14:35	0.83	992					99.2	5.82e+06	1.73e+06
PCB-2	7.26e+04	3.18 y	16:48	1.30	2.93		-	-	*			
PCB-3	2.73e+05	2.86 y	17:01	1.27	12.2		-	-	*			
13C-PCB-3	1.77e+07	3.31 y	17:00	0.81	890					89.0	4.69e+06	1.36e+06
PCB-4	1.46e+06	1.57 y	18:16	1.09	81.9		-	-	*			
PCB-10	1.54e+05	1.52 y	18:19	1.46	5.09		-	-	*			
13C-PCB-4	1.64e+07	1.59 y	18:15	0.66	1010					101	3.41e+06	2.08e+06
PCB-9	3.70e+05	1.42 y	19:57	1.41	12.7		-	-	*			
PCB-7	3.53e+05	1.56 y	19:59	1.43	11.9		-	-	*			
PCB-6	1.90e+06	1.41 y	20:34	1.39	66.1		-	-	*			
PCB-8	8.51e+06	1.46 y	20:57	1.42	290		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		680	2640	0.997			
PCB-14	*	* n	NotFnd	1.41	*		680	2640	0.950			
PCB-11	3.04e+05	1.49 y	23:08	1.33	11.0		-	-	*			
PCB-13	2.54e+05	1.38 y	23:28	1.38	8.86		-	-	*			
PCB-12	2.54e+05	1.38 y	23:29	1.37	8.97		-	-	*			
PCB-15	3.04e+06	1.44 y	23:48	1.22	99.3		-	-	*			
13C-PCB-15	2.50e+07	1.60 y	23:47	1.01	1000					100	4.17e+06	2.62e+06
PCB-19	5.57e+05	1.06 y	22:10	1.29	39.4		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		1740	644	0.994			
PCB-18	6.52e+06	1.08 y	23:43	1.34	443		-	-	*			
PCB-17	3.06e+06	1.10 y	23:52	1.43	195		-	-	*			
PCB-27	4.34e+05	1.10 y	24:23	1.89	21.0		-	-	*			
PCB-24	5.22e+05	1.18 y	24:24	1.89	25.1		-	-	*			
PCB-16	2.36e+06	1.05 y	24:53	1.61	134		-	-	*			
PCB-32	2.96e+06	1.10 y	24:55	1.62	167		-	-	*			
13C-PCB-19	1.10e+07	1.12 y	22:09	0.43	1030					103	1.68e+06	1.44e+06
13C-PCB-9	2.47e+07	1.61 y	19:55	-	2.53							
PCB-34	9.92e+04	1.10 y	25:39	1.09	4.24		-	-	*			
PCB-23	*	* n	NotFnd	1.28	*		1030	880	0.948			
PCB-29	1.63e+05	1.13 y	25:59	1.23	6.18		-	-	*			
PCB-26	3.43e+06	1.06 y	26:11	1.19	134		-	-	*			
PCB-25	2.01e+06	1.07 y	26:21	1.14	81.9		-	-	*			
PCB-31	1.61e+07	1.07 y	26:41	1.23	610		-	-	*			
PCB-28	1.90e+07	1.07 y	26:46	1.32	666		-	-	*			
PCB-20	9.42e+06	1.09 y	27:23	1.14	382		-	-	*		Co-elute PCB 21/33	
PCB-21	9.42e+06	1.09 y	27:23	1.14	382		-	-	*		Co-elute PCB 20/33	
PCB-33	9.42e+06	1.09 y	27:23	1.14	382		-	-	*		Co-elute PCB 20/21	
PCB-22	6.47e+06	1.08 y	27:47	1.24	242		1030	880	0.980			
PCB-36	*	* n	NotFnd	1.20	*		1030	880	1.01			
PCB-39	*	* n	NotFnd	1.24	*		-	-	*			
PCB-38	1.38e+05	1.09 y	29:36	1.18	5.42		-	-	*			
PCB-35	2.01e+05	1.06 y	30:07	1.19	7.80		-	-	*			
PCB-37	2.94e+06	1.11 y	30:35	1.22	112		-	-	*			
13C-PCB-37	2.15e+07	1.07 y	30:32	1.72	924					92.4	2.06e+06	1.87e+06

PCB-54	3.36e+04	0.81	y	25:42	1.32	1.84	J	-	-	*			
PCB-50	2.96e+04	0.82	y	26:49	1.10	1.93	J	-	-	*			
PCB-53	1.28e+06	0.76	y	27:25	1.08	85.4		-	-	*			
PCB-51	4.73e+05	0.85	y	27:46	1.14	29.9		-	-	*			
PCB-45	1.14e+06	0.79	y	28:10	0.96	85.3		-	-	*			
PCB-46	4.55e+05	0.80	y	28:37	0.92	35.7		-	-	*			
PCB-52	1.17e+07	0.78	y	29:04	1.19	707		-	-	*	Co-elute PCB 69		
PCB-69	1.17e+07	0.78	y	29:04	1.19	707		-	-	*	Co-elute PCB 52		
PCB-73	1.30e+05	0.82	y	29:10	1.39	6.76		-	-	*			
PCB-43	7.57e+06	0.80	y	29:23	1.07	508		-	-	*	Co-elute PCB 49		
PCB-49	7.57e+06	0.80	y	29:23	1.07	508		-	-	*	Co-elute PCB 43		
PCB-47	3.08e+06	0.81	y	29:34	1.09	205		-	-	*			
PCB-48	2.19e+06	0.77	y	29:42	1.39	113		-	-	*	Co-elute PCB 75		
PCB-75	2.19e+06	0.77	y	29:42	1.39	113		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*		828	970	0.889			
PCB-62	*	*	n	NotFnd	1.39	*		828	970	0.887			
PCB-44	6.80e+06	0.80	y	30:24	0.93	526		-	-	*			
PCB-42	3.44e+06	0.78	y	30:37	1.19	208		-	-	*	Co-elute PCB 59		
PCB-59	3.44e+06	0.78	y	30:37	1.19	208		-	-	*	Co-elute PCB 42		
PCB-72	8.64e+06	0.79	y	31:15	1.34	464		-	-	*	Co-elute PCB 41/71/64		
PCB-41	8.64e+06	0.79	y	31:15	1.34	464		-	-	*	Co-elute PCB 72/71/64		
PCB-71	8.64e+06	0.79	y	31:15	1.34	464		-	-	*	Co-elute PCB 72/41/64		
PCB-64	8.64e+06	0.79	y	31:15	1.34	464		-	-	*	Co-elute PCB 72/41/71		
PCB-68	8.68e+04	0.75	y	31:26	1.52	4.12		-	-	*			
PCB-40	1.16e+06	0.79	y	31:34	0.85	98.3		-	-	*			
PCB-57	8.20e+04	0.88	y	31:53	1.43	4.14		-	-	*			
PCB-67	4.17e+05	0.79	y	32:10	1.44	20.9		-	-	*			
PCB-58	4.15e+04	0.76	y	32:16	1.47	2.03		-	-	*			
PCB-63	5.13e+05	0.83	y	32:26	1.49	24.8		-	-	*			
PCB-74	5.81e+06	0.81	y	32:41	1.43	292		-	-	*			
PCB-61	1.31e+07	0.79	y	32:53	1.34	703		-	-	*	Co-elute PCB 70		
PCB-70	1.31e+07	0.79	y	32:53	1.34	703		-	-	*	Co-elute PCB 61		
PCB-76	1.12e+07	0.79	y	33:05	1.52	532		-	-	*	Co-elute PCB 66		
PCB-66	1.12e+07	0.79	y	33:05	1.52	532		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*		828	1370	0.784			
PCB-55	2.72e+05	0.73	y	33:34	1.59	12.3		-	-	*			
13C-PCB-54	1.39e+07	0.83	y	25:40	1.06	967					96.7	1.64e+06	2.02e+06
PCB-104	*	*	n	NotFnd	1.19	*		376	488	0.856			
PCB-96	9.15e+04	1.48	y	31:28	1.13	7.40		-	-	*			
PCB-103	1.78e+05	1.59	y	31:53	0.97	16.8		-	-	*			
PCB-100	1.03e+05	1.43	y	32:14	0.97	9.66		-	-	*			
PCB-94	5.41e+04	1.61	y	32:40	0.81	6.13		-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*		376	488	1.17	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*		376	488	1.17	Co-elute PCB 98		
PCB-95	8.06e+06	1.56	y	33:09	0.94	783		-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*		376	488	1.13			
PCB-88	1.55e+06	1.58	y	33:32	0.99	143		-	-	*	Co-elute PCB 91		
PCB-91	1.55e+06	1.58	y	33:32	0.99	143		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*		376	488	0.889			
13C-PCB-104	1.10e+07	1.60	y	30:12	0.89	906					90.6	1.31e+06	8.18e+05
13C-PCB-28	2.63e+07	1.06	y	26:45	1.90	1020					102	3.37e+06	3.23e+06
13C-PCB-52	1.35e+07	0.82	y	29:03	-	2.66							

PCB-56	9.49e+06	0.80	y	34:03	1.24	412		-	-	*		Co-elute PCB 60	
PCB-60	9.49e+06	0.80	y	34:03	1.24	412		-	-	*		Co-elute PCB 56	
PCB-79	2.52e+05	0.71	y	35:04	1.25	10.9		-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*		710	840	0.752			
PCB-81	4.04e+05	0.78	y	36:16	1.28	17.2		-	-	*			
13C-PCB-81	1.83e+07	0.82	y	36:12	1.63	1080					108	1.86e+06	2.28e+06
PCB-77	8.60e+05	0.80	y	36:48	1.14	40.4		-	-	*			
13C-PCB-77	1.87e+07	0.81	y	36:46	1.65	1090					109	1.86e+06	2.33e+06
PCB-155	*	*	n	NotFnd	1.10	*		456	372	0.845			
PCB-150	6.61e+04	1.38	y	35:30	1.03	6.46		-	-	*			
PCB-152	1.95e+04	1.32	y	35:57	1.02	1.92	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.03	*		456	372	0.904			
PCB-136	2.44e+06	1.30	y	36:41	0.97	253		-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*		456	372	1.16			
PCB-154	3.20e+05	1.41	y	37:15	0.87	36.7		-	-	*			
13C-PCB-155	9.96e+06	1.35	y	34:17	1.12	852					85.2	1.29e+06	9.36e+05
13C-PCB-111	1.17e+07	1.67	y	36:22	1.26	895					89.5	1.61e+06	9.18e+05
13C-PCB-101	1.04e+07	1.63	y	34:44	-	2.28							
PCB-84	5.07e+06	1.57	y	34:23	0.73	384		-	-	*		Co-elute PCB 92	
PCB-92	5.07e+06	1.57	y	34:23	0.73	384		-	-	*		Co-elute PCB 84	
PCB-89	1.33e+05	1.35	y	34:35	0.73	10.1		-	-	*			
PCB-90	1.43e+07	1.63	y	34:45	0.81	980		-	-	*		Co-elute PCB 101	
PCB-101	1.43e+07	1.63	y	34:45	0.81	980		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*		464	660	0.844			
PCB-99	6.89e+06	1.57	y	35:04	0.91	421		-	-	*			
PCB-119	5.11e+05	1.50	y	35:30	1.04	27.2		-	-	*			
PCB-83	6.15e+05	1.51	y	35:39	0.80	42.4		-	-	*		Co-elute PCB 112	
PCB-112	6.15e+05	1.51	y	35:39	0.80	42.4		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*		464	660	0.765			
PCB-97	3.84e+06	1.62	y	36:00	0.69	310		-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*		464	660	1.12			
PCB-125	5.86e+06	1.57	y	36:16	0.93	349		-	-	*		Co-elute PCB 87/117	
PCB-87	5.86e+06	1.57	y	36:16	0.93	349		-	-	*		Co-elute PCB 125/117	
PCB-117	5.86e+06	1.57	y	36:16	0.93	349		-	-	*		Co-elute PCB 125/87	
PCB-111	3.61e+05	1.64	y	36:25	1.01	19.7		-	-	*		Co-elute PCB 115	
PCB-115	3.61e+05	1.64	y	36:25	1.01	19.7		-	-	*		Co-elute PCB 111	
PCB-85	2.33e+06	1.53	y	36:30	0.86	151		-	-	*		Co-elute PCB 116	
PCB-116	2.33e+06	1.53	y	36:30	0.86	151		-	-	*		Co-elute PCB 85	
PCB-120	5.96e+04	1.40	y	36:43	1.07	3.09		-	-	*			
PCB-110	1.76e+07	1.56	y	36:53	0.95	1020		-	-	*			
PCB-82	1.26e+06	1.58	y	37:28	0.60	115		-	-	*			
PCB-124	8.51e+05	1.60	y	38:08	1.26	37.4		-	-	*			
PCB-108	1.40e+06	1.59	y	38:18	1.19	65.0		-	-	*		Co-elute PCB 107	
PCB-107	1.40e+06	1.59	y	38:18	1.19	65.0		-	-	*		Co-elute PCB 108	
PCB-123	2.97e+05	1.60	y	38:26	1.12	14.6		-	-	*			
13C-PCB-123	1.81e+07	1.60	y	38:24	1.36	1070					107	2.48e+06	1.49e+06
PCB-118	1.67e+07	1.61	y	38:36	1.16	766		-	-	*		Co-elute PCB 106	
PCB-106	1.67e+07	1.61	y	38:36	1.16	766		-	-	*		Co-elute PCB 118	
13C-PCB-118	1.87e+07	1.58	y	38:34	1.43	1060					106	2.28e+06	1.52e+06
PCB-114	4.67e+05	1.50	y	39:14	1.27	21.3		-	-	*			
13C-PCB-114	1.72e+07	1.61	y	39:12	1.36	1020					102	2.20e+06	1.34e+06
PCB-122	2.35e+05	1.62	y	39:20	1.13	11.5		-	-	*			
PCB-105	7.31e+06	1.53	y	40:02	1.26	319		-	-	*			
13C-PCB-105	1.82e+07	1.59	y	40:02	1.35	1090					109	2.34e+06	1.44e+06

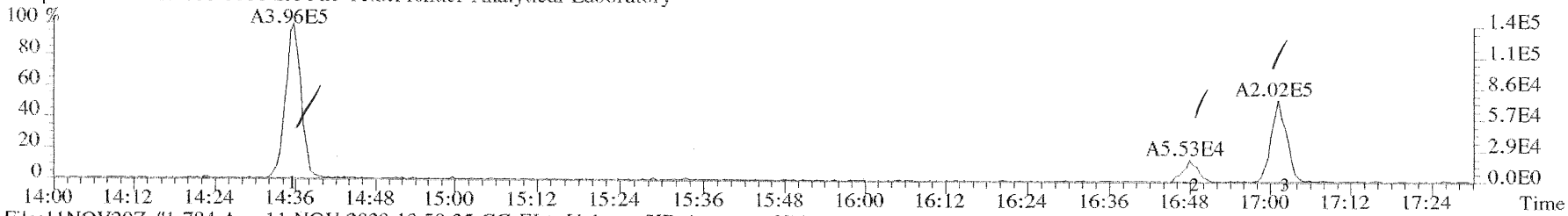
PCB-127	*	*	n	NotFnd	1.14	*	1290	820	1.22			
PCB-126	8.02e+04	1.68	y	42:08	1.19	4.44	-	-	*			
13C-PCB-126	1.51e+07	1.58	y	42:08	1.33	916				91.6	1.95e+06	1.22e+06
PCB-151	4.40e+06	1.25	y	37:53	0.91	341	-	-	*			
PCB-135	2.34e+06	1.20	y	38:05	0.92	179	-	-	*			
PCB-144	1.01e+06	1.26	y	38:11	0.91	78.0	-	-	*			
PCB-147	4.27e+05	1.29	y	38:18	0.96	31.4	-	-	*			
PCB-139	1.69e+07	1.29	y	38:33	0.99	1200	-	-	*	Co-elute PCB 149		
PCB-149	1.69e+07	1.29	y	38:33	0.99	1200	-	-	*	Co-elute PCB 139		
PCB-140	1.58e+05	1.10	y	38:44	0.96	11.6	-	-	*			
PCB-143	9.02e+05	1.40	y	39:09	0.81	78.7	-	-	*	Co-elute PCB 134		
PCB-134	9.02e+05	1.40	y	39:09	0.81	78.7	-	-	*	Co-elute PCB 143		
PCB-131	5.53e+05	1.35	y	39:25	0.81	48.4	-	-	*	Co-elute PCB 133		
PCB-133	5.53e+05	1.35	y	39:25	0.81	48.4	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.82	*	880	790	1.54			
PCB-165	3.24e+06	1.29	y	39:47	1.06	215	-	-	*	Co-elute PCB 146		
PCB-146	3.24e+06	1.29	y	39:47	1.06	215	-	-	*	Co-elute PCB 165		
PCB-161	5.14e+06	1.22	y	40:03	1.02	356	-	-	*	Co-elute PCB 132		
PCB-132	5.14e+06	1.22	y	40:03	1.02	356	-	-	*	Co-elute PCB 161		
PCB-153	2.35e+07	1.26	y	40:10	1.06	1560	-	-	*			
PCB-168	*	*	n	NotFnd	1.17	*	880	790	1.07			
PCB-141	3.57e+06	1.31	y	40:53	0.91	275	-	-	*			
PCB-137	9.34e+05	1.21	y	41:14	0.96	68.4	-	-	*			
PCB-130	9.45e+05	1.29	y	41:19	0.78	85.9	-	-	*			
PCB-138	2.36e+07	1.25	y	41:40	1.10	1510	-	-	*	Co-elute PCB 163/164		
PCB-163	2.36e+07	1.25	y	41:40	1.10	1510	-	-	*	Co-elute PCB 138/164		
PCB-164	2.36e+07	1.25	y	41:40	1.10	1510	-	-	*	Co-elute PCB 138/163		
PCB-158	2.76e+06	1.27	y	41:53	1.22	160	-	-	*	Co-elute PCB 160		
PCB-160	2.76e+06	1.27	y	41:53	1.22	160	-	-	*	Co-elute PCB 158		
PCB-129	6.94e+05	1.30	y	42:08	0.79	61.5	-	-	*			
PCB-166	7.59e+04	1.10	y	42:35	1.19	4.48	-	-	*			
PCB-159	2.72e+05	1.39	y	42:56	1.32	14.6	-	-	*			
PCB-128	3.27e+06	1.27	y	43:09	1.06	218	-	-	*	Co-elute PCB 162		
PCB-162	3.27e+06	1.27	y	43:09	1.06	218	-	-	*	Co-elute PCB 128		
PCB-167	9.43e+05	1.26	y	43:32	1.19	53.8	-	-	*			
13C-PCB-167	1.47e+07	1.28	y	43:31	1.17	1020				102	1.84e+06	1.44e+06
PCB-156	2.41e+06	1.26	y	44:45	1.28	130	-	-	*			
13C-PCB-156	1.44e+07	1.28	y	44:43	1.16	999				99.9	1.67e+06	1.36e+06
PCB-157	4.89e+05	1.32	y	45:01	1.22	28.2	-	-	*			
13C-PCB-157	1.42e+07	1.31	y	44:59	1.18	968				96.8	1.79e+06	1.38e+06
PCB-169	*	*	n	NotFnd	1.14	*	880	790	0.906			
13C-PCB-169	1.35e+07	1.29	y	46:50	1.19	909				90.9	2.28e+06	1.77e+06

FAL ID: 13416-008-0001-SA Filename: 11NOV20Z Sam:9 Acquired: 11-NOV-20 13:59:25 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR+AC-CC-ULM ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.00

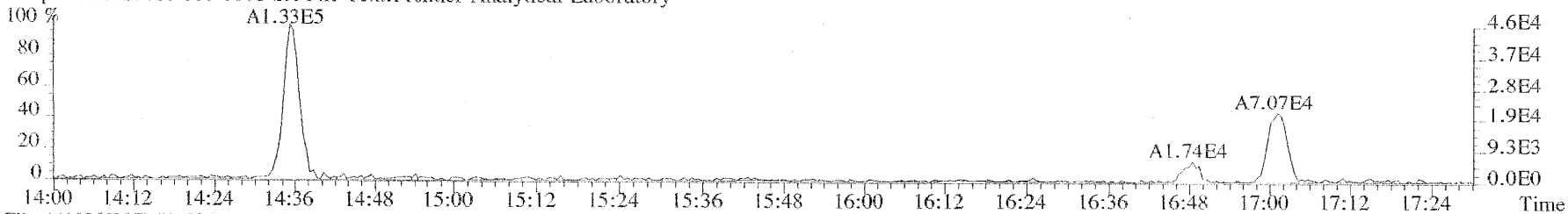
PCB-188	*	*	n	NotFnd	1.15	*	550	560	0.995			
13C-PCB-188	1.12e+07	1.11	y	39:48	0.96	947				94.7	1.26e+06	1.15e+06
PCB-184	*	*	n	NotFnd	1.26	*	550	560	0.854			
PCB-179	2.39e+06	1.08	y	40:59	1.19	184	-	-	*			
PCB-176	7.88e+05	1.16	y	41:25	1.16	62.4	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	550	560	0.909			
PCB-178	8.30e+05	1.05	y	42:26	0.86	88.0	-	-	*			
PCB-175	2.05e+05	1.10	y	42:46	0.92	20.2	-	-	*			
PCB-187	5.71e+06	1.06	y	42:56	0.99	525	-	-	*		Co-elute PCB 182	
PCB-182	5.71e+06	1.06	y	42:56	0.99	525	-	-	*		Co-elute PCB 187	
PCB-183	3.01e+06	1.04	y	43:14	0.96	287	-	-	*			
PCB-185	4.82e+05	0.97	y	43:52	0.91	48.3	-	-	*			
PCB-174	4.17e+06	1.08	y	44:13	0.94	407	-	-	*			
PCB-181	*	*	n	NotFnd	0.92	*	550	560	1.16			
PCB-177	2.52e+06	1.02	y	44:28	0.86	267	-	-	*			
PCB-171	1.30e+06	1.07	y	44:45	0.89	133	-	-	*			
PCB-173	8.95e+04	1.20	y	45:09	0.82	9.96	-	-	*			
PCB-172	6.94e+05	1.07	y	45:32	0.87	73.2	-	-	*			
PCB-192	*	*	n	NotFnd	1.11	*	550	560	0.972			
PCB-180	9.35e+06	1.09	y	45:54	0.86	992	-	-	*			
PCB-193	6.59e+05	1.07	y	46:04	1.16	51.7	-	-	*			
PCB-191	2.47e+05	1.00	y	46:15	1.14	19.7	-	-	*			
PCB-170	4.25e+06	1.01	y	47:09	0.85	454	-	-	*			
PCB-190	1.20e+06	1.05	y	47:19	1.10	99.4	-	-	*			
PCB-189	1.92e+05	0.93	y	48:30	1.08	16.7	-	-	*			
13C-PCB-189	1.07e+07	1.08	y	48:28	0.95	908				90.8	1.43e+06	1.34e+06
PCB-202	4.66e+05	0.92	y	44:56	1.05	53.9	-	-	*			
PCB-201	3.36e+05	0.93	y	45:22	1.15	35.5	-	-	*			
PCB-204	*	*	n	NotFnd	1.17	*	552	530	1.25			
PCB-197	1.23e+05	0.85	y	45:47	1.17	12.8	-	-	*			
PCB-200	2.90e+05	0.93	y	46:32	1.16	30.3	-	-	*			
PCB-198	1.08e+05	0.84	y	47:41	0.81	16.2	-	-	*			
PCB-199	1.79e+06	0.91	y	47:46	0.83	263	-	-	*			
PCB-203	2.31e+06	0.85	y	48:00	0.90	313	-	-	*		Co-elute PCB 196	
PCB-196	2.31e+06	0.85	y	48:00	0.90	313	-	-	*		Co-elute PCB 203	
13C-PCB-202	8.25e+06	0.93	y	44:54	0.80	833				83.3	9.02e+05	9.49e+05
13C-PCB-178	8.29e+06	1.08	y	42:26	0.76	876				87.6	9.44e+05	8.86e+05
13C-PCB-138	1.24e+07	1.27	y	41:39	-	2.58						
PCB-195	1.27e+06	0.96	y	49:06	0.91	97.1	-	-	*			
PCB-194	3.22e+06	0.93	y	49:53	0.93	239	-	-	*			
PCB-205	2.29e+05	0.84	y	50:08	1.16	13.6	-	-	*			
13C-PCB-205	1.44e+07	0.92	y	50:08	1.26	1000				100	2.25e+06	2.35e+06
PCB-208	4.47e+05	1.35	y	49:13	1.13	32.8	-	-	*			
13C-PCB-208	1.21e+07	0.81	y	49:13	1.06	1000				100	1.63e+06	2.05e+06
PCB-207	2.08e+05	1.41	y	49:31	1.31	15.5	-	-	*			
PCB-206	1.35e+06	1.30	y	51:20	1.15	139	-	-	*			
13C-PCB-206	8.42e+06	0.83	y	51:19	0.81	914				91.4	1.35e+06	1.65e+06
PCB-209	5.61e+05	1.28	y	52:31	1.24	51.4	-	-	*			
13C-PCB-209	8.82e+06	1.21	y	52:30	0.87	887				88.7	1.60e+06	1.35e+06
13C-PCB-194	1.14e+07	0.90	y	49:53	-	2.53						

Analyst: _____ Date: 11/12/20

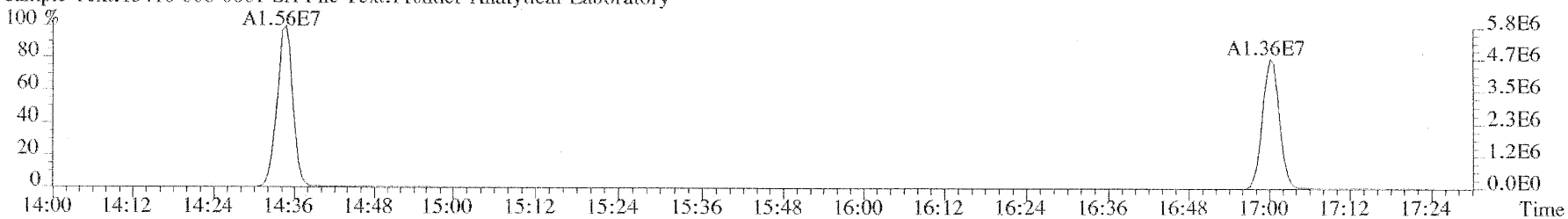
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



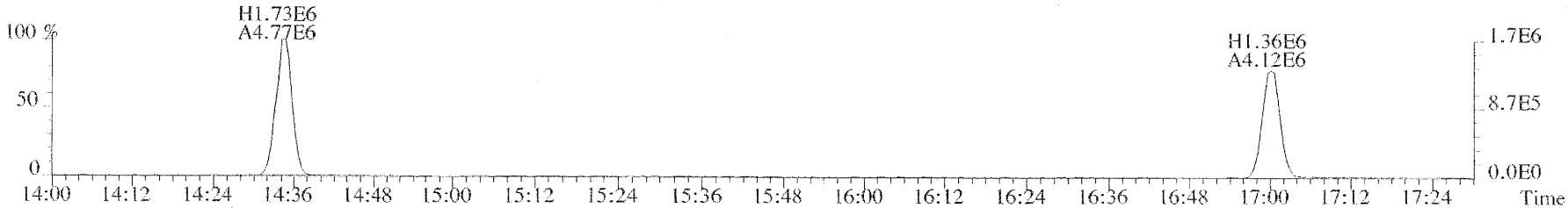
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



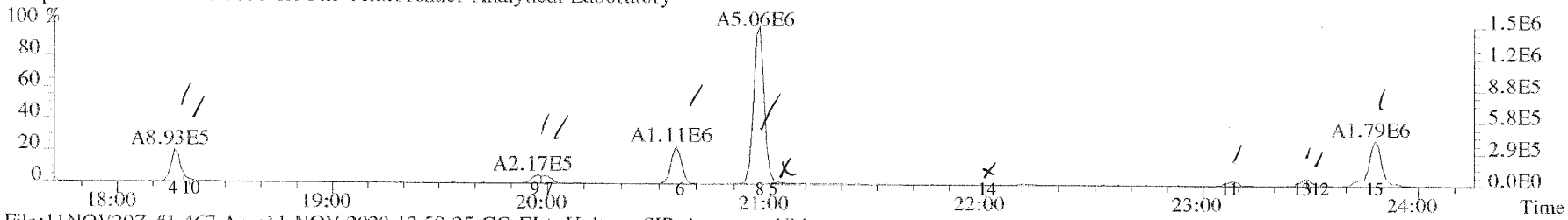
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



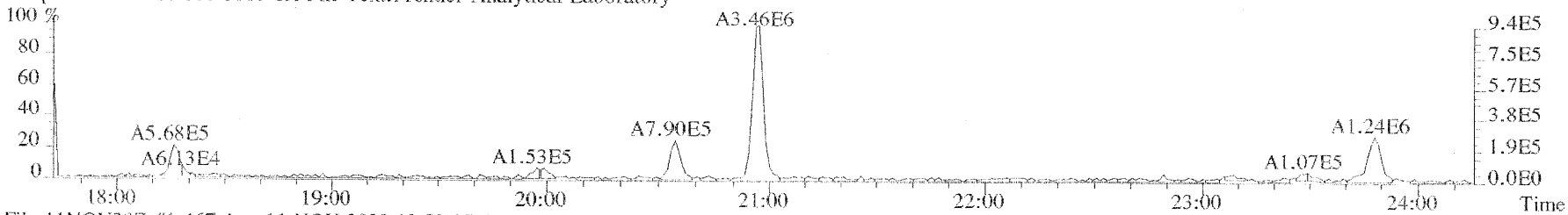
File:11NOV20Z #1-784 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



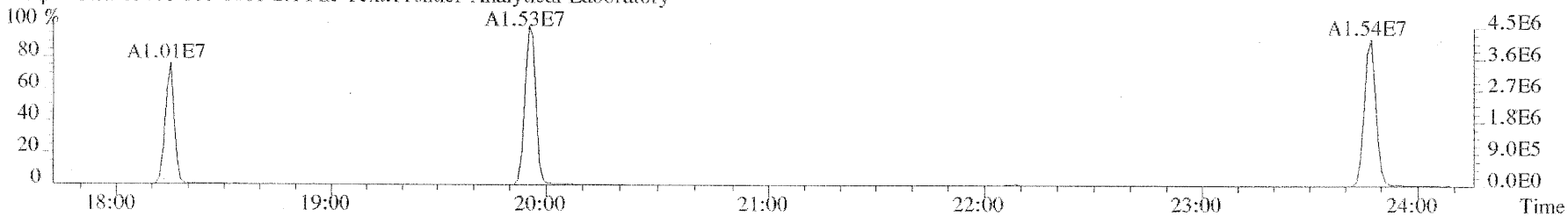
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



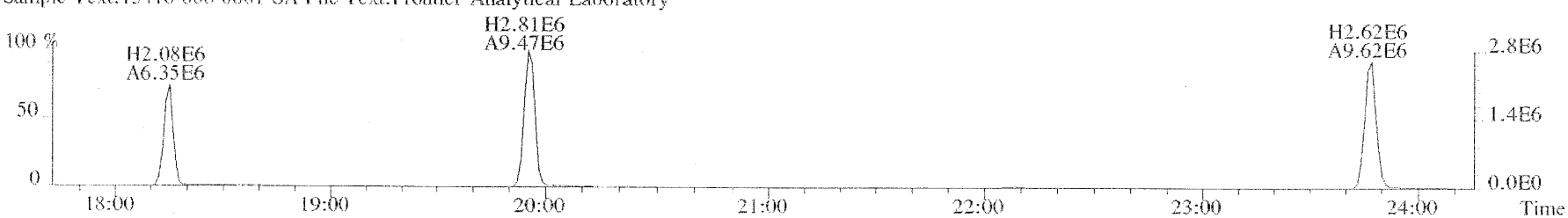
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



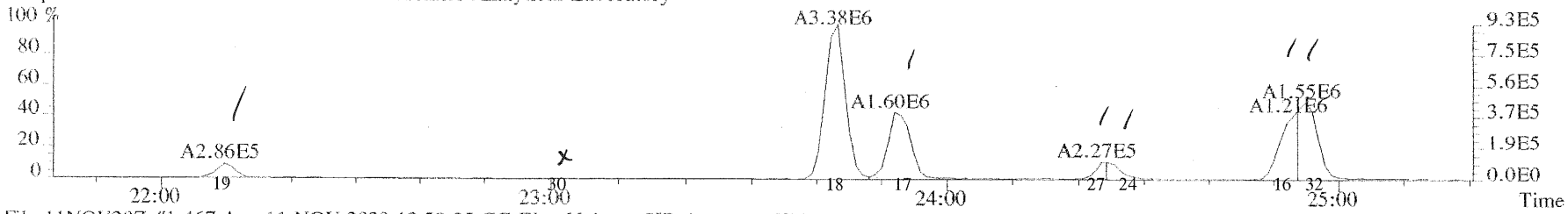
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



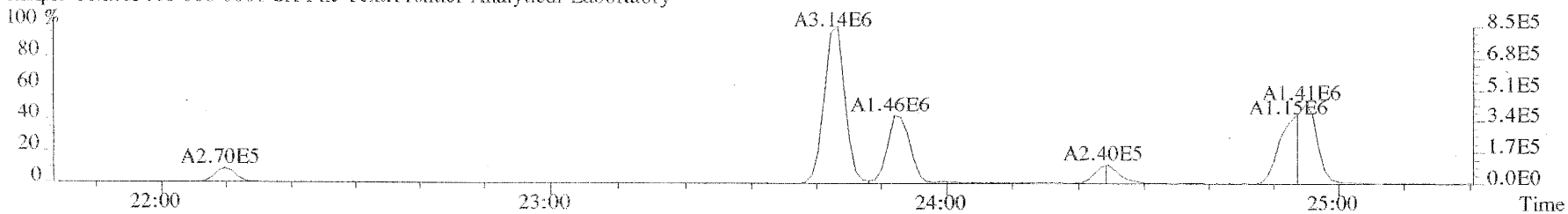
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



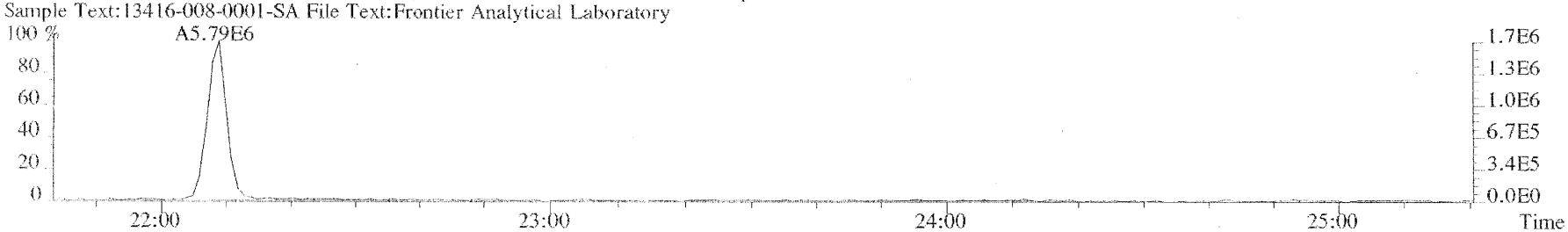
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



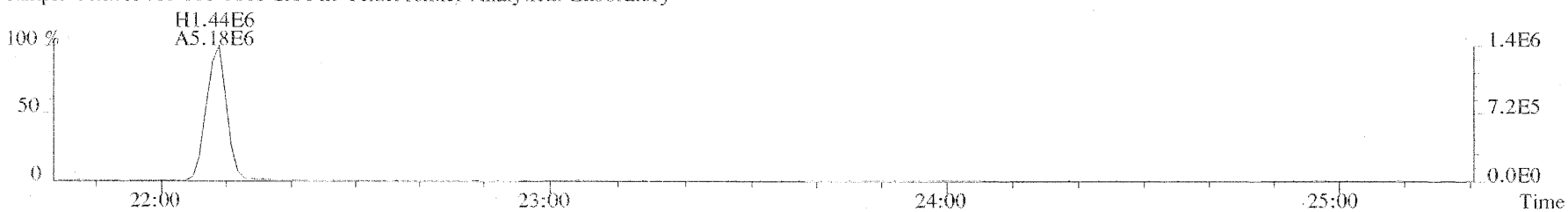
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



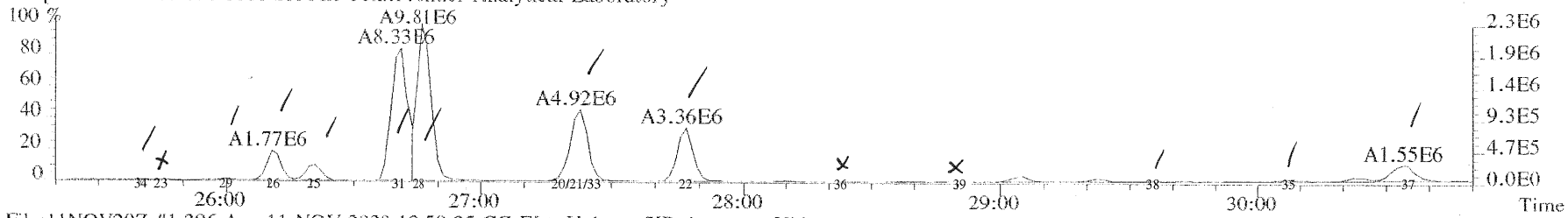
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



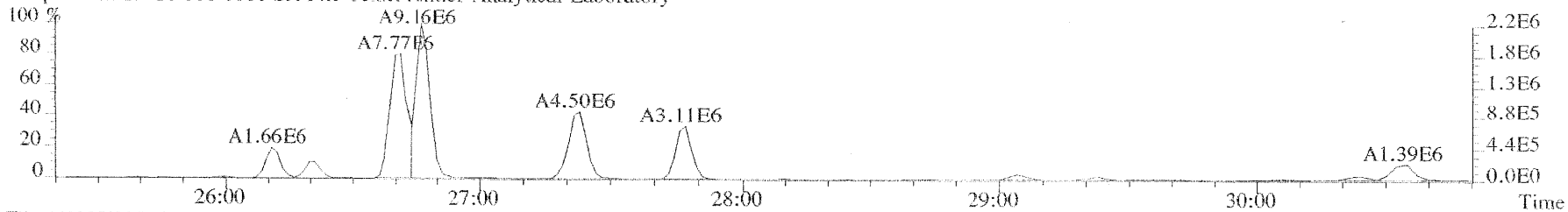
File:11NOV20Z #1-467 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



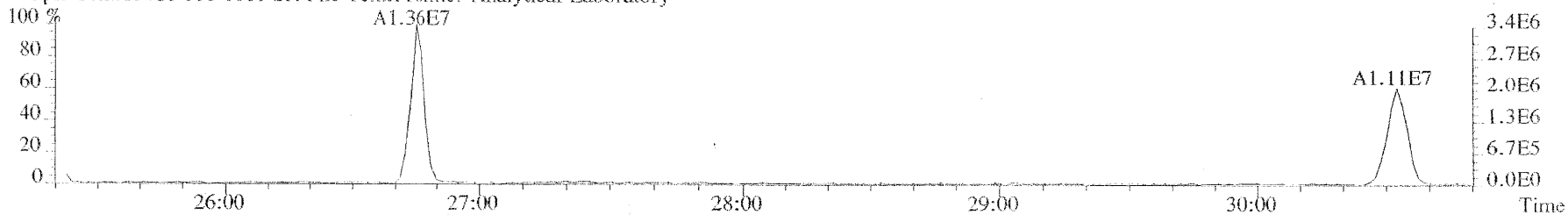
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



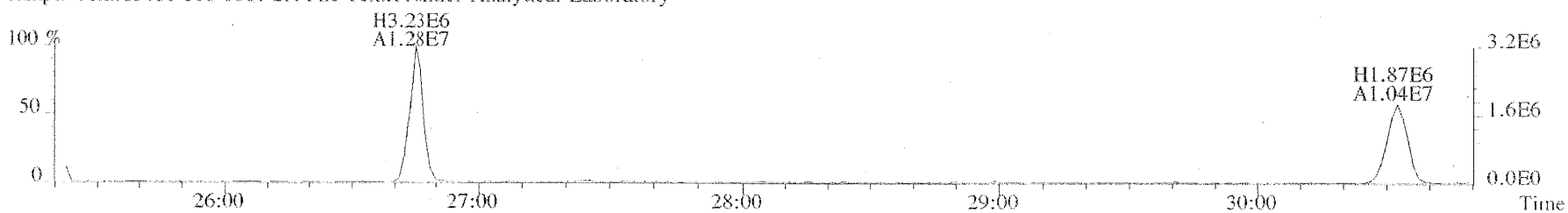
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



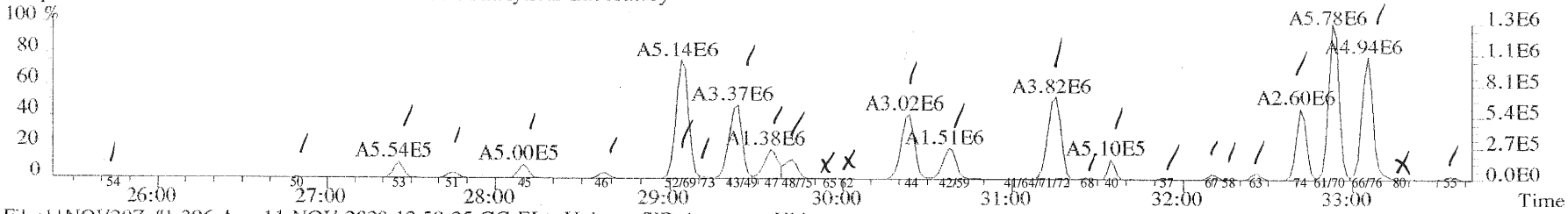
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



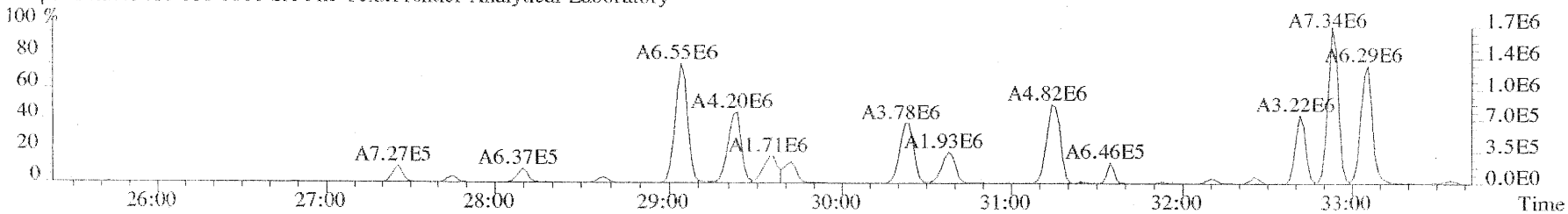
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



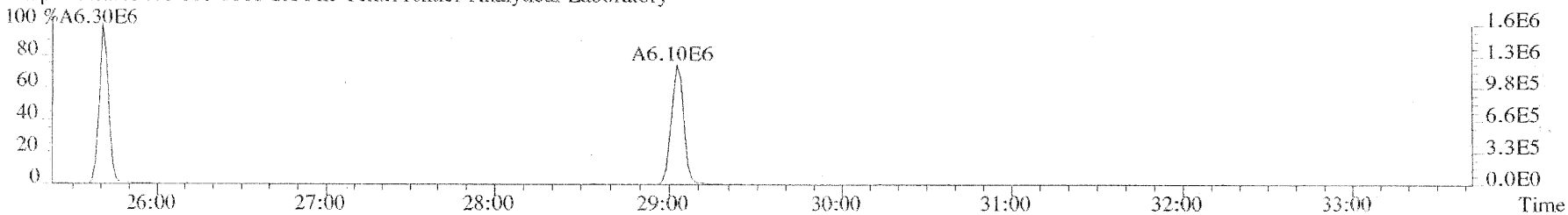
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



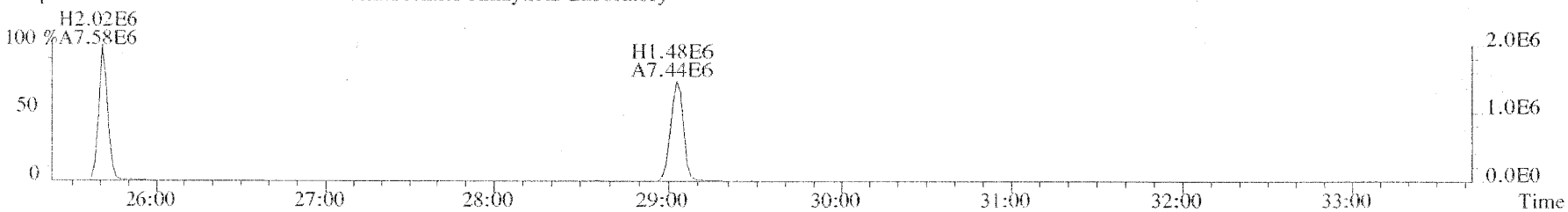
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



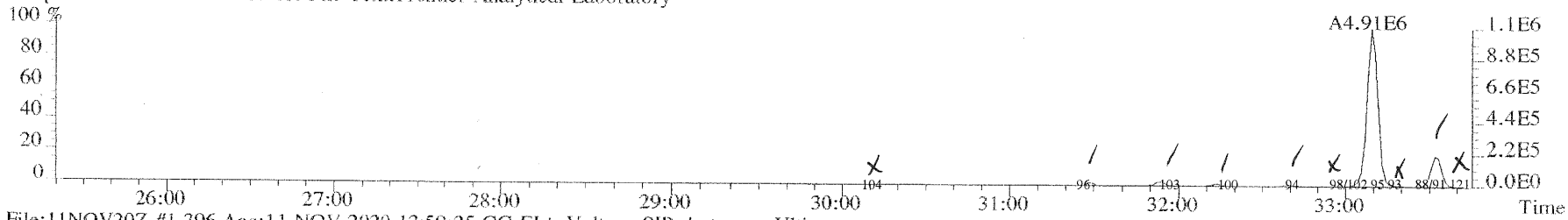
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



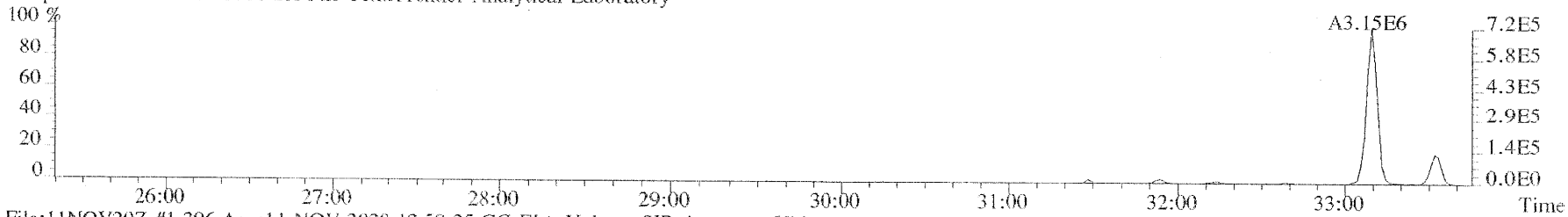
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



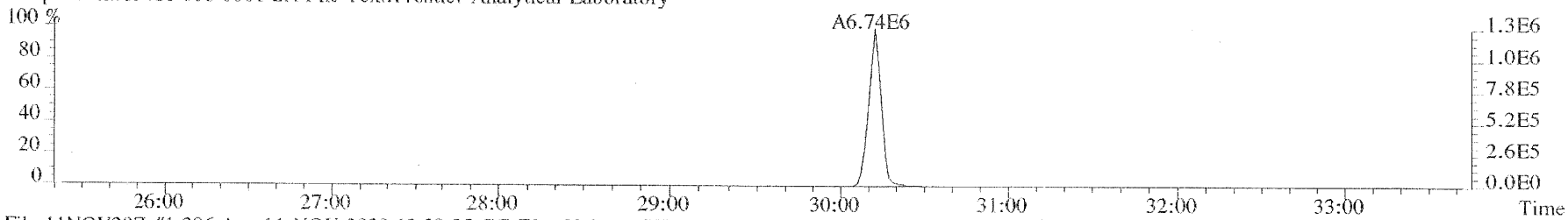
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



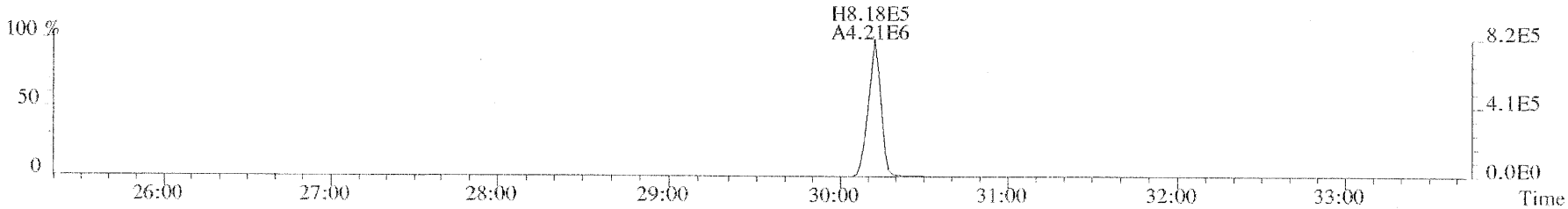
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



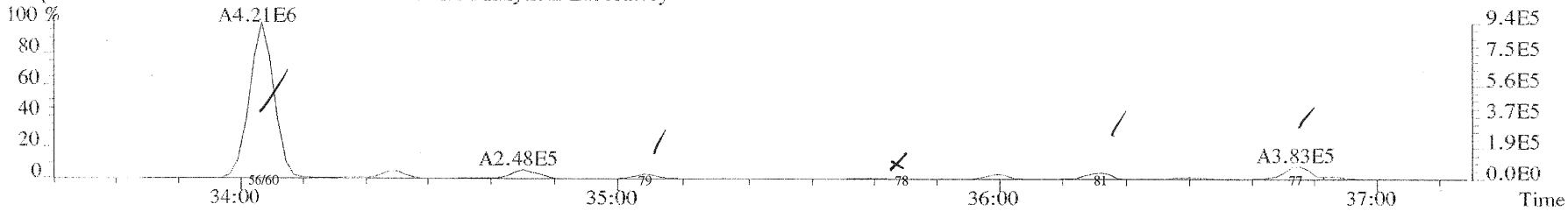
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



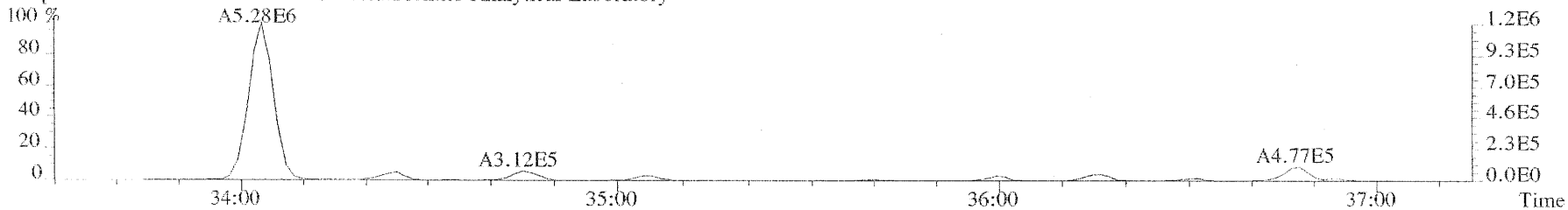
File:11NOV20Z #1-396 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



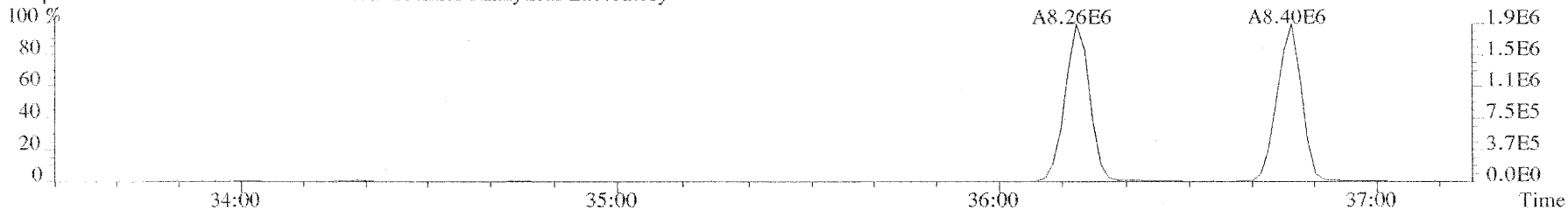
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



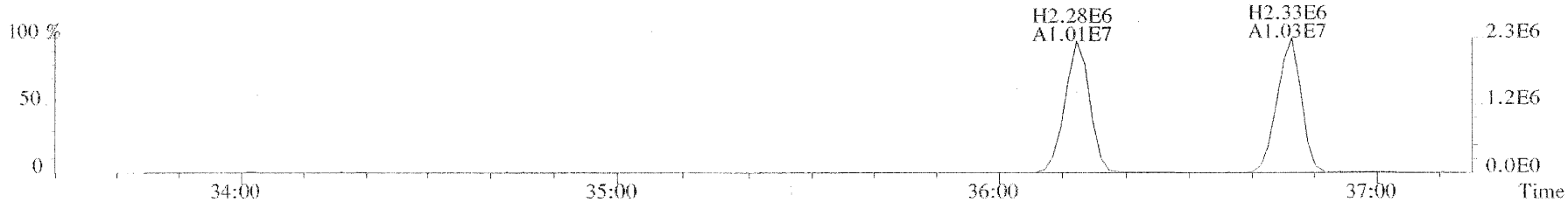
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



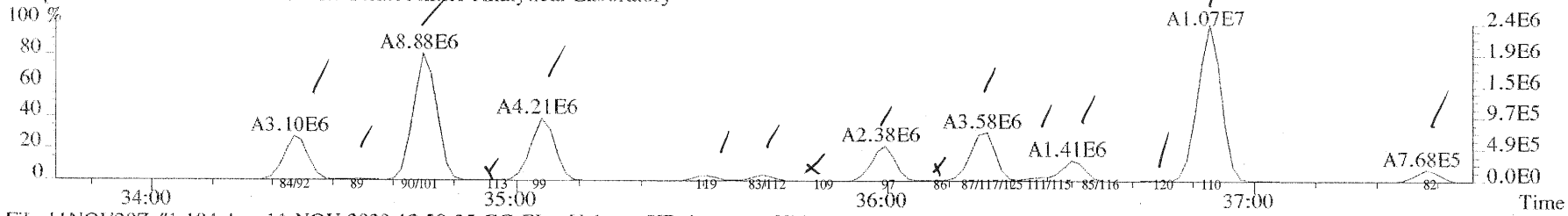
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



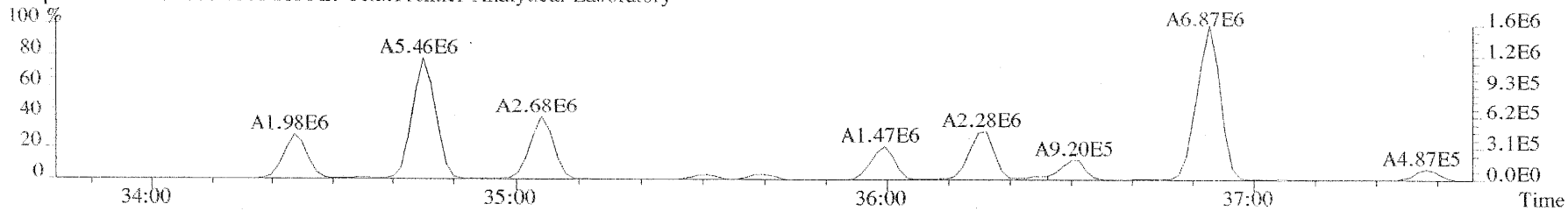
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



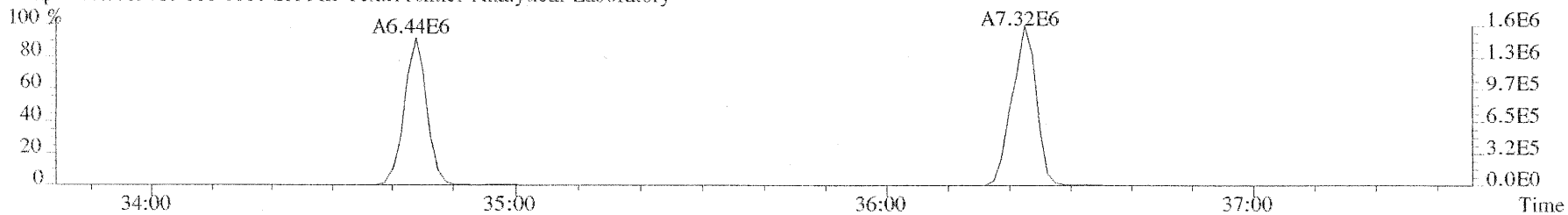
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



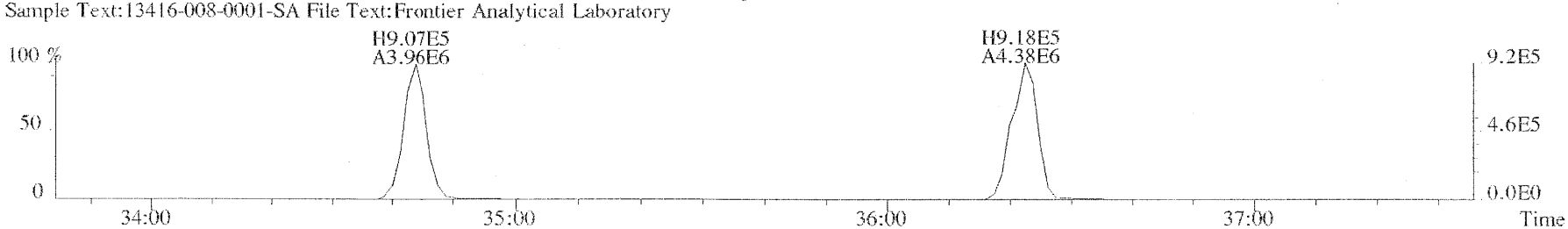
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



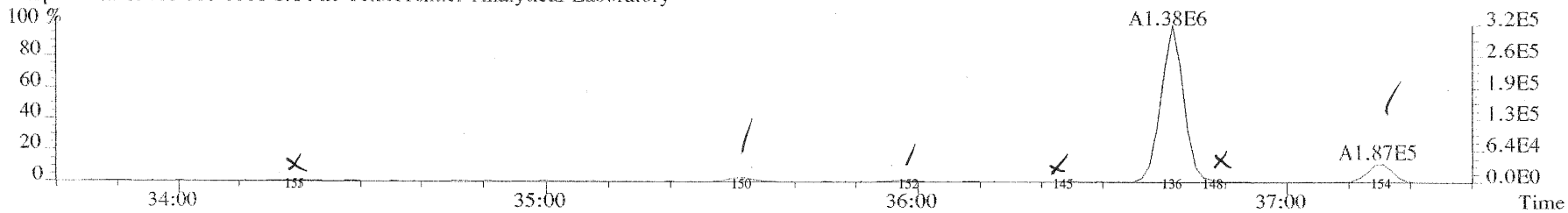
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



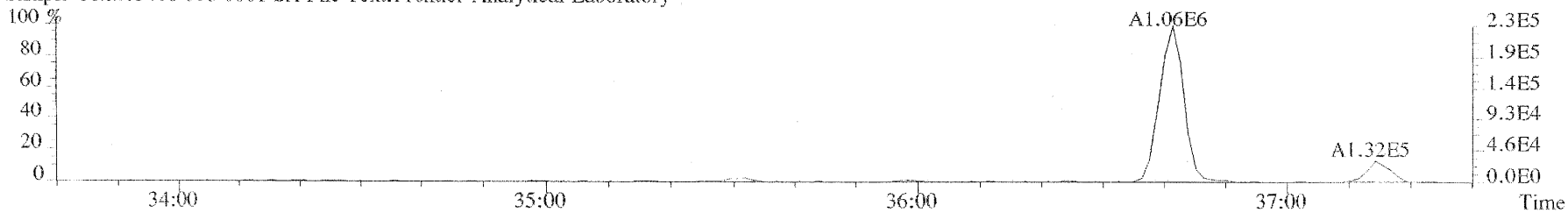
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



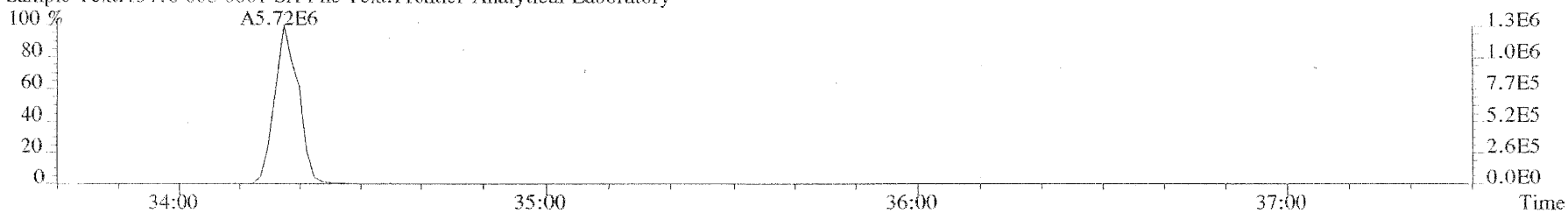
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



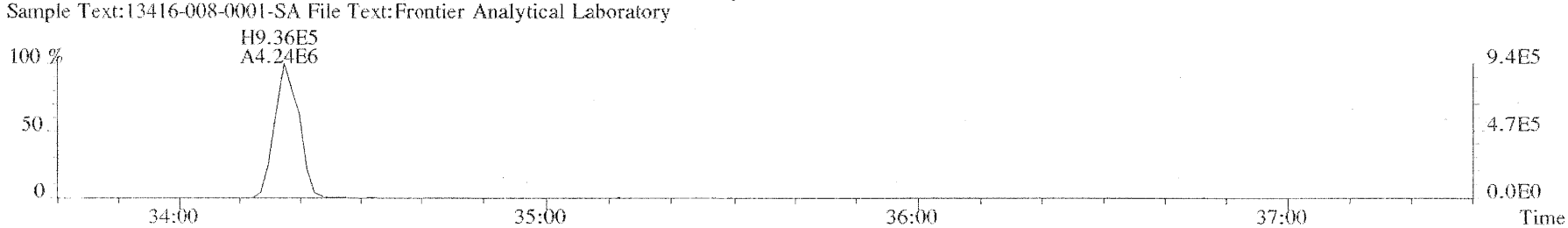
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



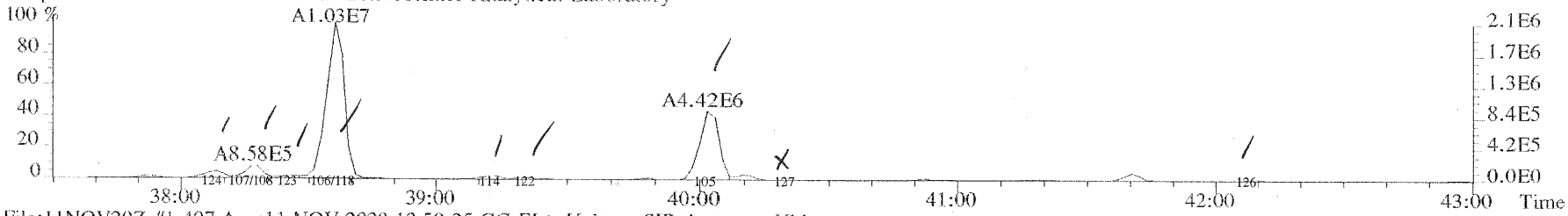
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



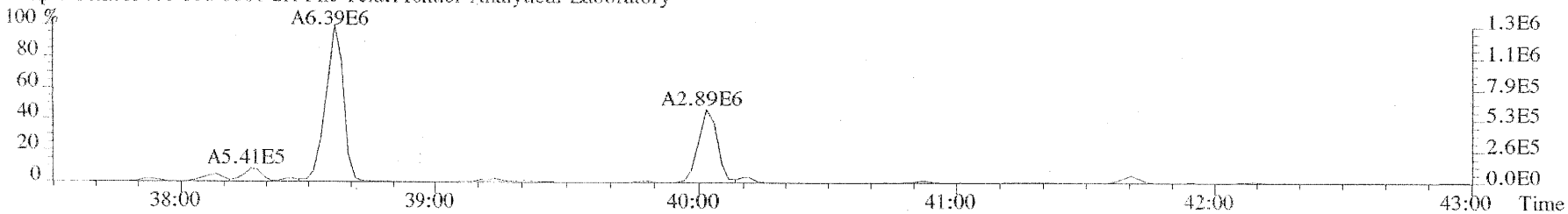
File:11NOV20Z #1-184 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



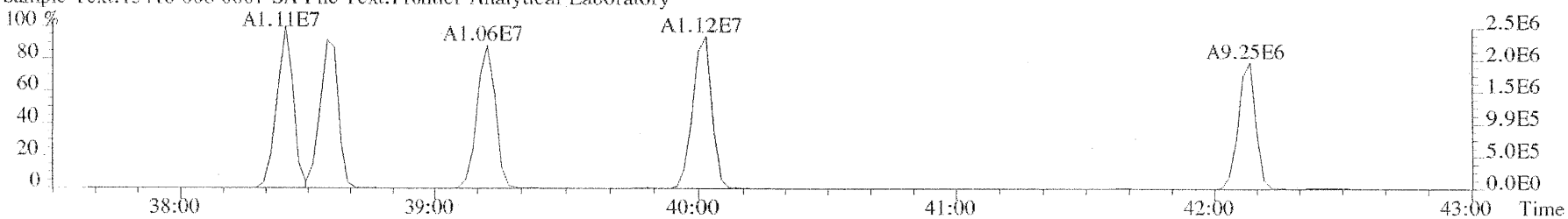
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



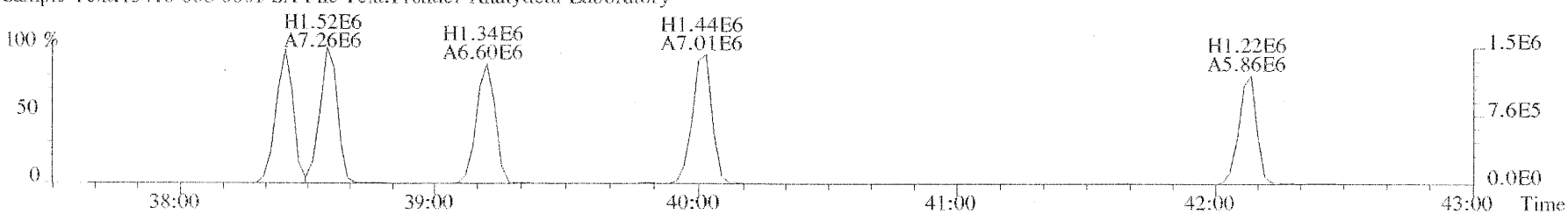
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



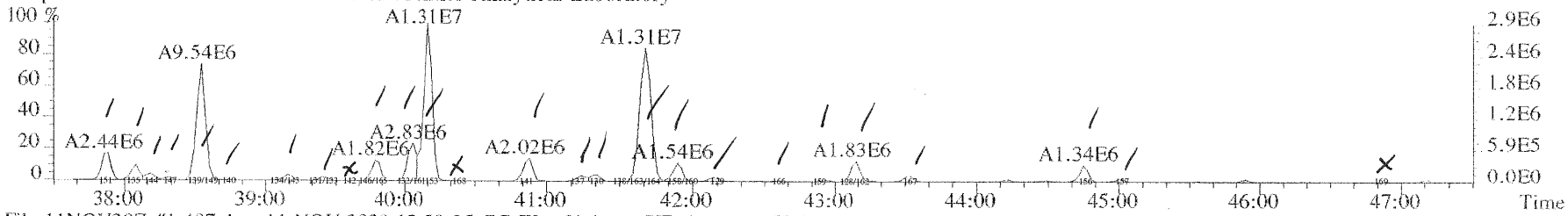
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



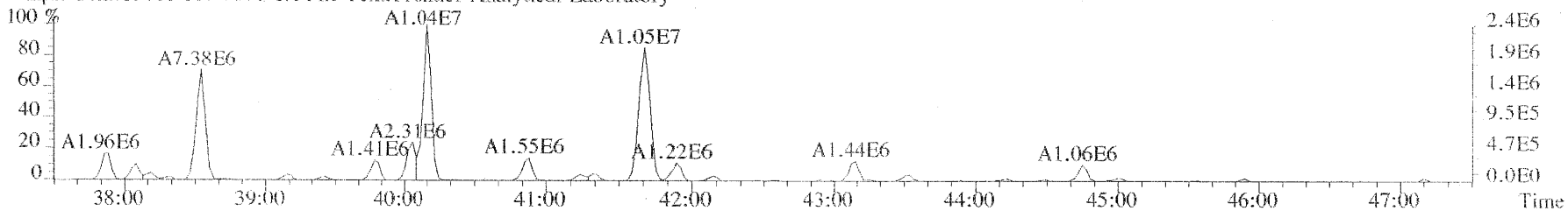
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



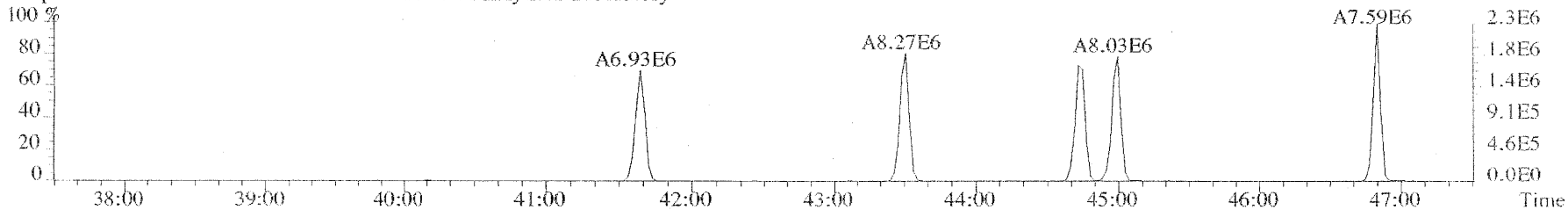
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



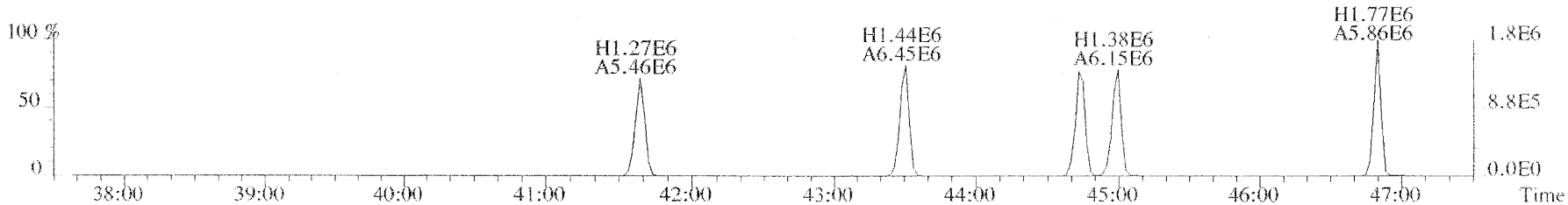
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



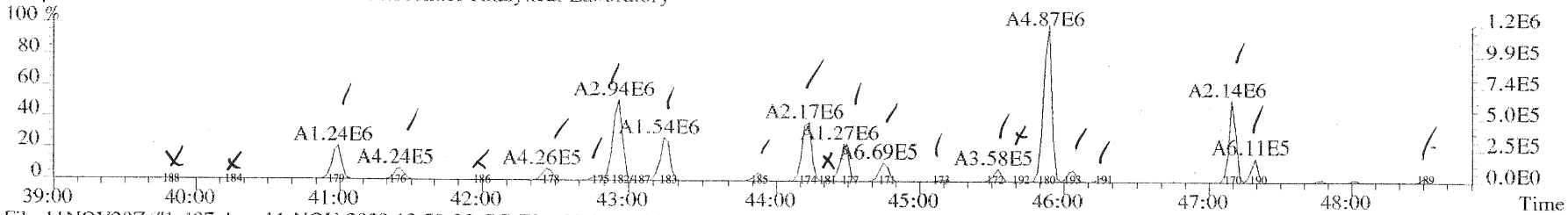
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



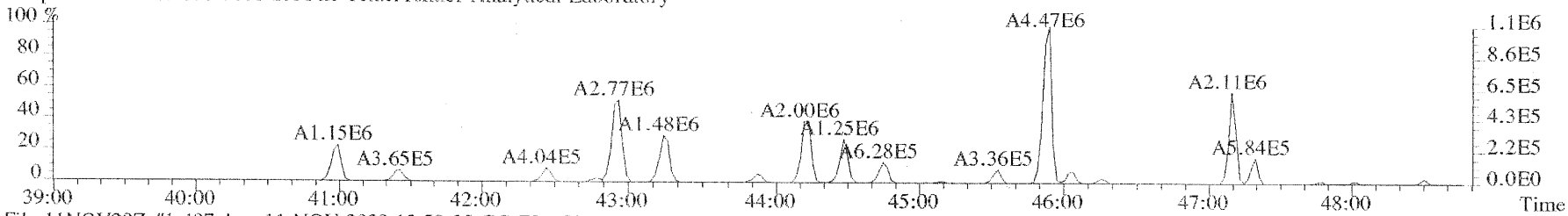
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



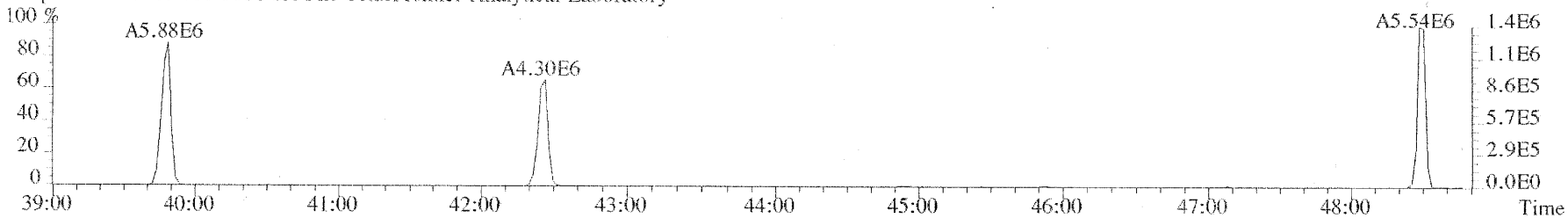
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



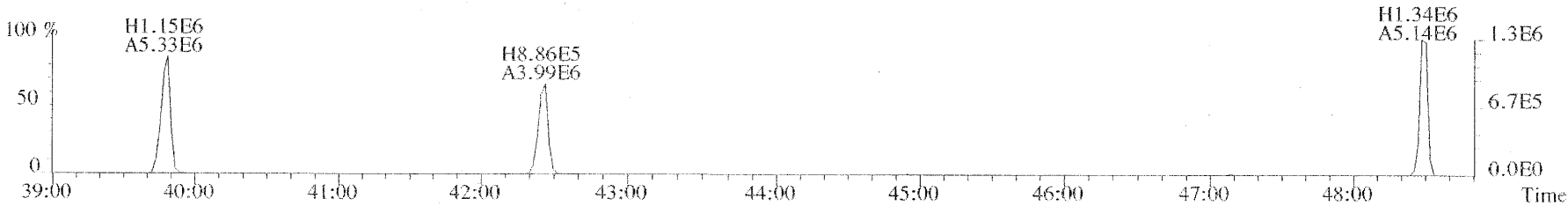
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



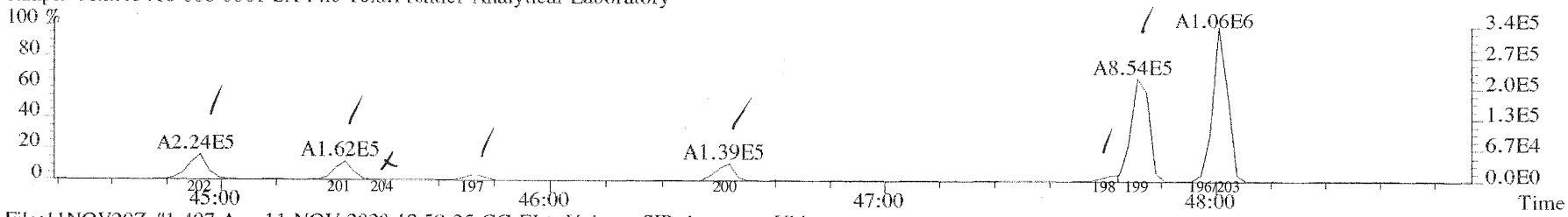
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



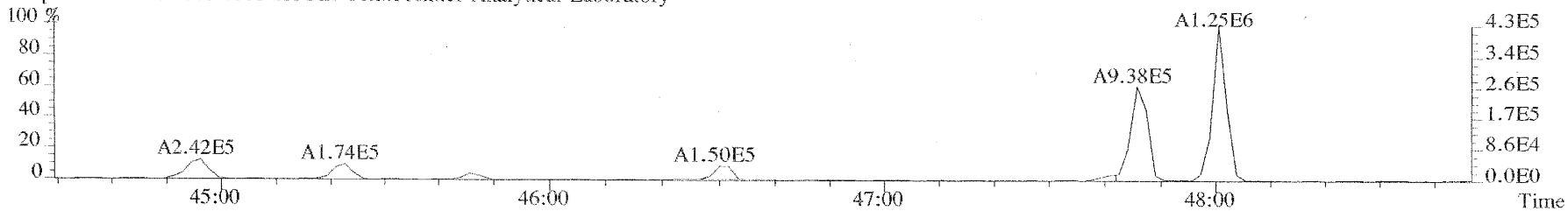
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



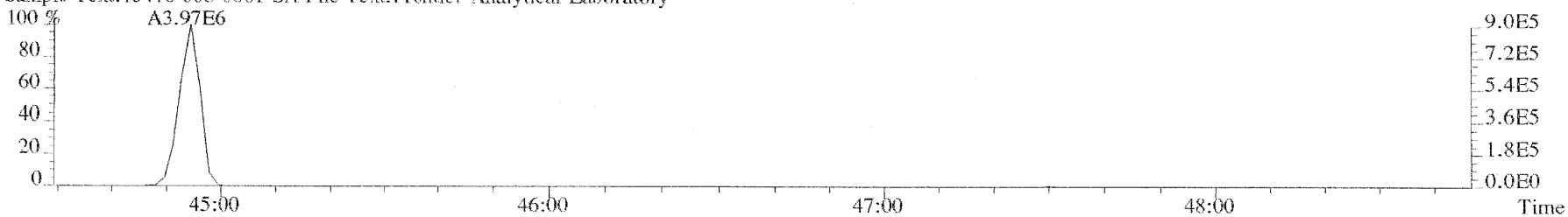
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



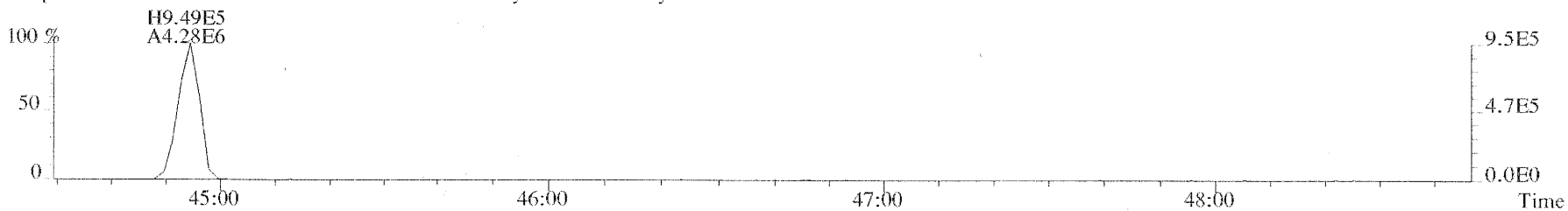
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



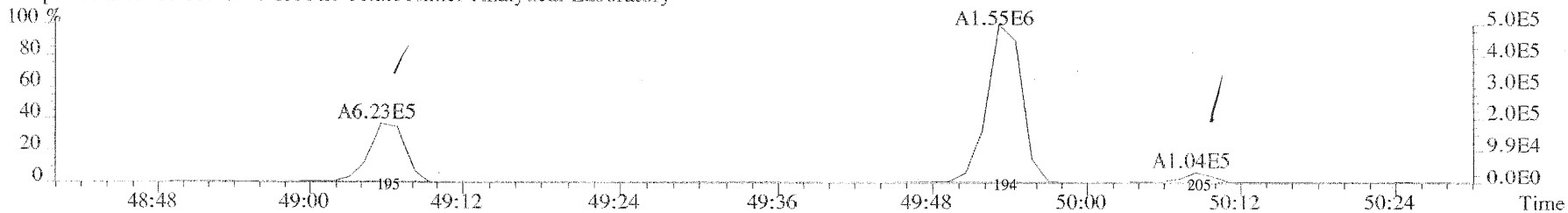
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



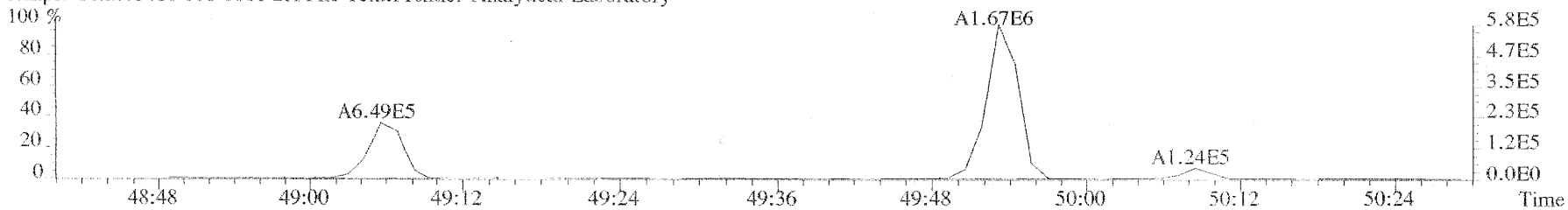
File:11NOV20Z #1-407 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



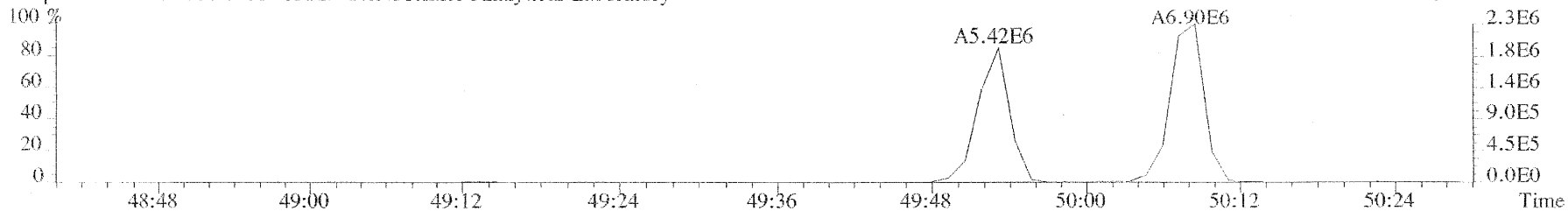
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



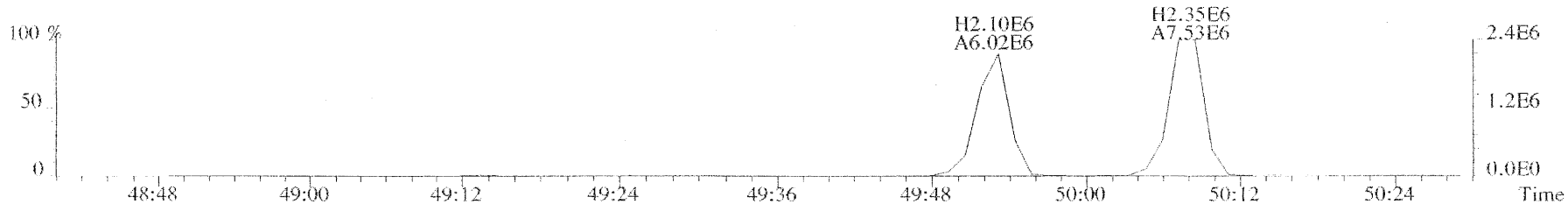
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



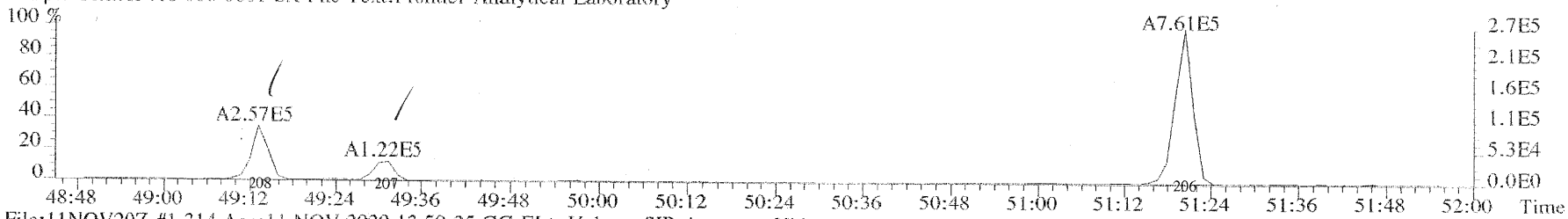
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



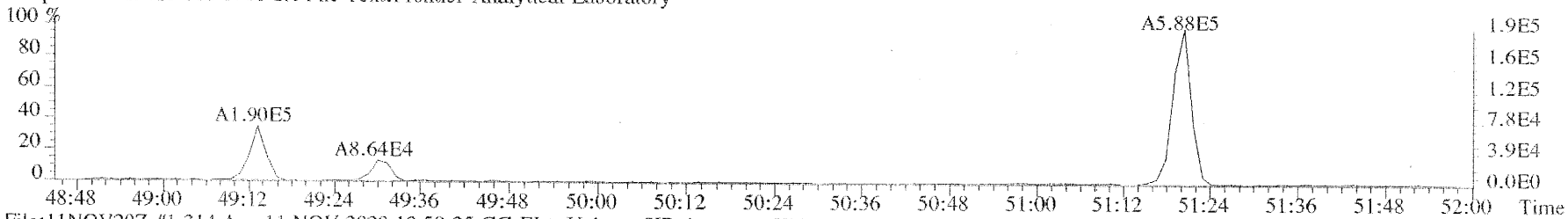
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



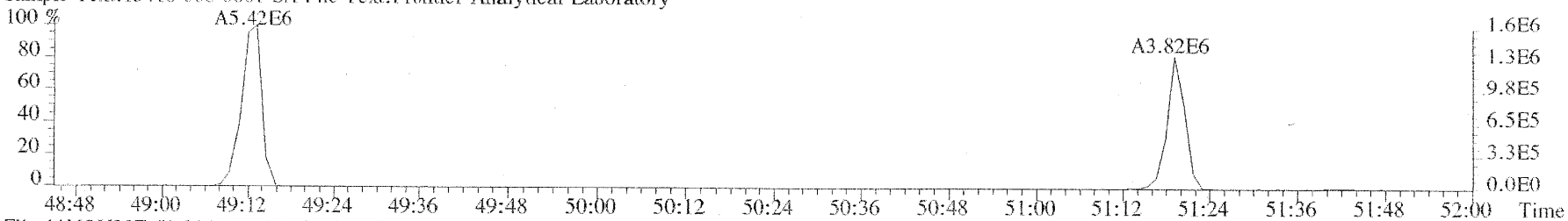
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



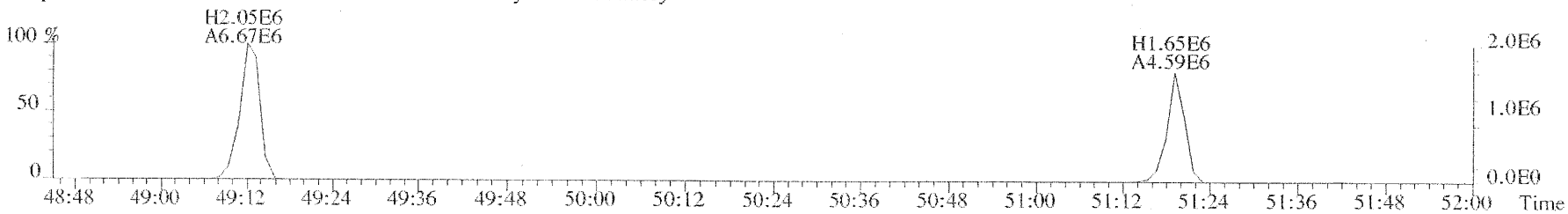
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



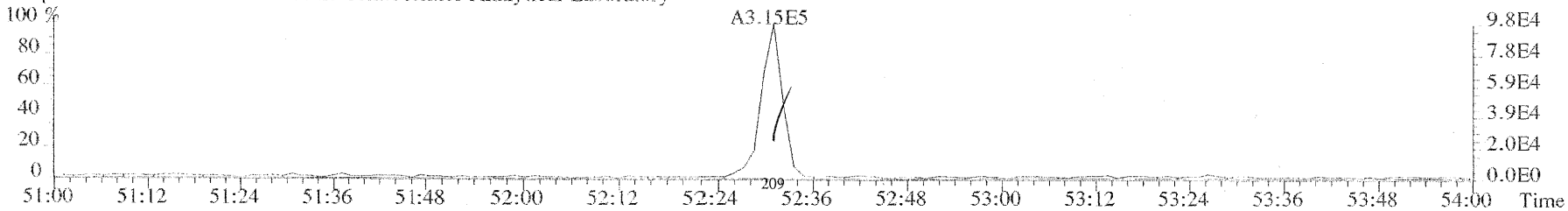
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



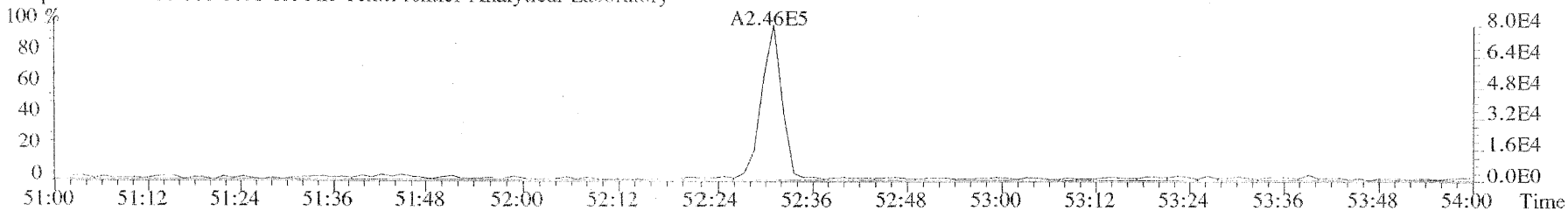
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



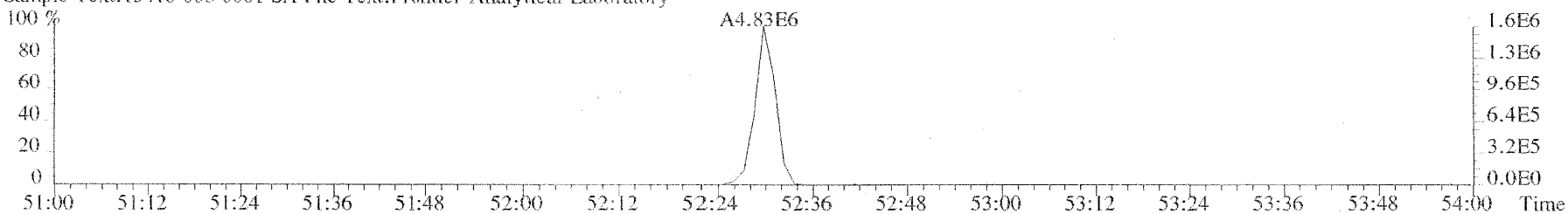
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



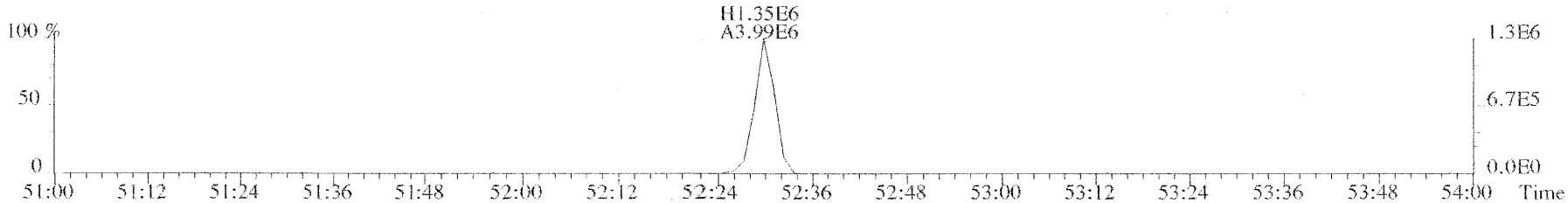
File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 13:59:25 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-008-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-010-0001-SA Filename: 11NOV20Z Sam:10 Acquired: 11-NOV-20 14:57:46 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CA-CORE ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.05

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	5.78e+05	3.05 y	14:35	1.30	21.3		-	-	*			
13C-PCB-1	2.09e+07	3.26 y	14:34	0.83	869					87.3	5.77e+06	1.69e+06
PCB-2	1.62e+05	3.27 y	16:48	1.30	6.00		-	-	*			
PCB-3	5.51e+05	2.95 y	17:01	1.27	21.3		-	-	*			
13C-PCB-3	2.03e+07	3.30 y	17:00	0.81	874					87.9	5.60e+06	1.67e+06
PCB-4	2.06e+06	1.47 y	18:16	1.09	114		-	-	*			
PCB-10	2.39e+05	1.59 y	18:20	1.46	7.03		-	-	*			
13C-PCB-4	1.65e+07	1.56 y	18:15	0.66	873					87.7	3.36e+06	2.10e+06
PCB-9	6.38e+05	1.63 y	19:57	1.41	19.5		-	-	*			
PCB-7	6.68e+05	1.75 y	19:59	1.43	20.1		-	-	*			
PCB-6	3.77e+06	1.39 y	20:35	1.39	117		-	-	*			
PCB-8	1.67e+07	1.55 y	20:57	1.42	508		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		680	2360	0.832			
PCB-14	*	* n	NotFnd	1.41	*		680	2360	0.794			
PCB-11	9.65e+05	1.50 y	23:09	1.33	31.2		-	-	*			
PCB-13	8.95e+05	1.39 y	23:29	1.38	27.8		-	-	*			
PCB-12	9.74e+05	1.59 y	23:30	1.37	30.6		-	-	*			
PCB-15	1.29e+07	1.51 y	23:49	1.22	351		-	-	*			
13C-PCB-15	2.97e+07	1.62 y	23:48	1.01	1020					103	4.81e+06	2.99e+06
PCB-19	9.94e+05	1.11 y	22:11	1.29	67.7		-	-	*			
PCB-30	*	* n	NotFnd	1.93	*		2070	616	1.12			
PCB-18	1.24e+07	1.08 y	23:43	1.34	810		-	-	*			
PCB-17	5.87e+06	1.07 y	23:54	1.43	360		-	-	*			
PCB-27	9.26e+05	1.08 y	24:24	1.89	43.1		-	-	*			
PCB-24	9.15e+05	1.19 y	24:25	1.89	42.5		-	-	*			
PCB-16	4.72e+06	1.05 y	24:54	1.61	258		-	-	*			
PCB-32	5.48e+06	1.12 y	24:56	1.62	297		-	-	*			
13C-PCB-19	1.13e+07	1.14 y	22:09	0.43	909					91.3	1.60e+06	1.50e+06
13C-PCB-9	2.87e+07	1.62 y	19:56	-	2.92							
PCB-34	2.19e+05	1.06 y	25:40	1.09	7.96		-	-	*			
PCB-23	5.99e+04	1.10 y	25:47	1.28	1.85	J	-	-	*			
PCB-29	3.12e+05	1.16 y	26:01	1.23	10.1		-	-	*			
PCB-26	8.13e+06	1.09 y	26:12	1.19	270		-	-	*			
PCB-25	4.66e+06	1.10 y	26:21	1.14	162		-	-	*			
PCB-31	3.37e+07	1.09 y	26:41	1.23	1090		-	-	*			
PCB-28	5.15e+07	1.09 y	26:47	1.32	1540		-	-	*			
PCB-20	2.49e+07	1.08 y	27:24	1.14	863		-	-	*		Co-elute PCB 21/33	
PCB-21	2.49e+07	1.08 y	27:24	1.14	863		-	-	*		Co-elute PCB 20/33	
PCB-33	2.49e+07	1.08 y	27:24	1.14	863		-	-	*		Co-elute PCB 20/21	
PCB-22	1.50e+07	1.09 y	27:48	1.24	476		-	-	*			
PCB-36	*	* n	NotFnd	1.20	*		1020	950	0.860			
PCB-39	*	* n	NotFnd	1.24	*		1020	950	0.837			
PCB-38	2.53e+05	1.02 y	29:34	1.18	8.49		-	-	*			
PCB-35	9.42e+05	1.17 y	30:08	1.19	31.2		-	-	*			
PCB-37	1.57e+07	1.04 y	30:35	1.22	507		-	-	*			
13C-PCB-37	2.51e+07	1.06 y	30:34	1.72	993					99.8	2.46e+06	2.27e+06

PCB-54	7.54e+04	0.73	y	25:43	1.32	3.77	-	-	*			
PCB-50	7.57e+04	0.82	y	26:49	1.10	4.52	-	-	*			
PCB-53	3.22e+06	0.79	y	27:25	1.08	196	-	-	*			
PCB-51	1.17e+06	0.79	y	27:46	1.14	67.6	-	-	*			
PCB-45	2.68e+06	0.78	y	28:11	0.96	183	-	-	*			
PCB-46	1.01e+06	0.83	y	28:39	0.92	72.4	-	-	*			
PCB-52	3.11e+07	0.79	y	29:05	1.19	1720	-	-	*	Co-elute PCB 69		
PCB-69	3.11e+07	0.79	y	29:05	1.19	1720	-	-	*	Co-elute PCB 52		
PCB-73	4.36e+05	0.85	y	29:11	1.39	20.7	-	-	*			
PCB-43	1.90e+07	0.79	y	29:23	1.07	1160	-	-	*	Co-elute PCB 49		
PCB-49	1.90e+07	0.79	y	29:23	1.07	1160	-	-	*	Co-elute PCB 43		
PCB-47	8.03e+06	0.80	y	29:36	1.09	487	-	-	*			
PCB-48	4.74e+06	0.81	y	29:42	1.39	224	-	-	*	Co-elute PCB 75		
PCB-75	4.74e+06	0.81	y	29:42	1.39	224	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.38	*	744	1060	0.830			
PCB-62	*	*	n	NotFnd	1.39	*	744	1060	0.828			
PCB-44	1.69e+07	0.81	y	30:24	0.93	1200	-	-	*			
PCB-42	8.41e+06	0.81	y	30:39	1.19	464	-	-	*	Co-elute PCB 59		
PCB-59	8.41e+06	0.81	y	30:39	1.19	464	-	-	*	Co-elute PCB 42		
PCB-72	2.14e+07	0.79	y	31:15	1.34	1050	-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.14e+07	0.79	y	31:15	1.34	1050	-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.14e+07	0.79	y	31:15	1.34	1050	-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.14e+07	0.79	y	31:15	1.34	1050	-	-	*	Co-elute PCB 72/41/71		
PCB-68	2.34e+05	0.86	y	31:29	1.52	10.2	-	-	*			
PCB-40	2.84e+06	0.81	y	31:38	0.85	221	-	-	*			
PCB-57	2.39e+05	0.77	y	31:55	1.43	11.0	-	-	*			
PCB-67	1.34e+06	0.80	y	32:12	1.44	61.5	-	-	*			
PCB-58	1.06e+05	0.69	y	32:17	1.47	4.74	-	-	*			
PCB-63	1.43e+06	0.80	y	32:27	1.49	63.2	-	-	*			
PCB-74	1.78e+07	0.79	y	32:44	1.43	820	-	-	*			
PCB-61	4.24e+07	0.79	y	32:54	1.34	2080	-	-	*	Co-elute PCB 70		
PCB-70	4.24e+07	0.79	y	32:54	1.34	2080	-	-	*	Co-elute PCB 61		
PCB-76	3.75e+07	0.80	y	33:07	1.52	1620	-	-	*	Co-elute PCB 66		
PCB-66	3.75e+07	0.80	y	33:07	1.52	1620	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.92	*	744	1060	0.599			
PCB-55	8.10e+05	0.78	y	33:36	1.59	33.5	-	-	*			
13C-PCB-54	1.51e+07	0.82	y	25:42	1.06	968				97.3	1.76e+06	2.14e+06
PCB-104	*	*	n	NotFnd	1.19	*	420	476	1.04			
PCB-96	2.50e+05	1.56	y	31:32	1.13	20.9	-	-	*			
PCB-103	4.66e+05	1.49	y	31:55	0.97	45.4	-	-	*			
PCB-100	2.91e+05	1.67	y	32:15	0.97	28.2	-	-	*			
PCB-94	1.41e+05	1.47	y	32:40	0.81	16.5	-	-	*			
PCB-98	*	*	n	NotFnd	0.87	*	420	476	1.42	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.87	*	420	476	1.42	Co-elute PCB 98		
PCB-95	2.40e+07	1.57	y	33:10	0.94	2410	-	-	*			
PCB-93	*	*	n	NotFnd	0.90	*	420	476	1.37			
PCB-88	4.47e+06	1.58	y	33:33	0.99	427	-	-	*	Co-elute PCB 91		
PCB-91	4.47e+06	1.58	y	33:33	0.99	427	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.14	*	420	476	1.08			
13C-PCB-104	1.06e+07	1.59	y	30:12	0.89	803				80.7	1.10e+06	7.01e+05
13C-PCB-28	2.86e+07	1.05	y	26:46	1.90	1020				103	3.42e+06	3.14e+06
13C-PCB-52	1.47e+07	0.82	y	29:04	-	2.86						

PCB-56	2.85e+07	0.80	y	34:05	1.24	1040	-	-	*		Co-elute PCB 60	
PCB-60	2.85e+07	0.80	y	34:05	1.24	1040	-	-	*		Co-elute PCB 56	
PCB-79	7.17e+05	0.81	y	35:05	1.25	25.9	-	-	*			
PCB-78	*	*	n	NotFnd	1.24	*	657	836	0.639			
PCB-81	1.37e+06	0.74	y	36:17	1.28	48.9	-	-	*			
13C-PCB-81	2.17e+07	0.79	y	36:13	1.63	1090				110	2.07e+06	2.59e+06
PCB-77	5.10e+06	0.81	y	36:49	1.14	200	-	-	*			
13C-PCB-77	2.23e+07	0.80	y	36:48	1.65	1110				112	2.13e+06	2.59e+06
PCB-155	*	*	n	NotFnd	1.10	*	572	468	0.943			
PCB-150	1.76e+05	1.29	y	35:30	1.03	15.5	-	-	*			
PCB-152	5.87e+04	1.36	y	36:00	1.02	5.20	-	-	*			
PCB-145	*	*	n	NotFnd	1.03	*	572	468	1.01			
PCB-136	7.01e+06	1.29	y	36:43	0.97	654	-	-	*			
PCB-148	*	*	n	NotFnd	0.81	*	572	468	1.29			
PCB-154	9.99e+05	1.26	y	37:17	0.87	104	-	-	*			
13C-PCB-155	1.10e+07	1.29	y	34:20	1.12	803				80.7	1.36e+06	1.12e+06
13C-PCB-111	1.43e+07	1.61	y	36:24	1.26	935				94.0	1.89e+06	1.22e+06
13C-PCB-101	1.21e+07	1.62	y	34:45	-	2.64						
PCB-84	1.48e+07	1.61	y	34:25	0.73	1030	-	-	*		Co-elute PCB 92	
PCB-92	1.48e+07	1.61	y	34:25	0.73	1030	-	-	*		Co-elute PCB 84	
PCB-89	4.22e+05	1.62	y	34:36	0.73	29.5	-	-	*			
PCB-90	4.63e+07	1.61	y	34:46	0.81	2910	-	-	*		Co-elute PCB 101	
PCB-101	4.63e+07	1.61	y	34:46	0.81	2910	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.88	*	1060	890	1.40			
PCB-99	2.10e+07	1.60	y	35:05	0.91	1180	-	-	*			
PCB-119	1.48e+06	1.61	y	35:32	1.04	72.0	-	-	*			
PCB-83	1.98e+06	1.63	y	35:41	0.80	125	-	-	*		Co-elute PCB 112	
PCB-112	1.98e+06	1.63	y	35:41	0.80	125	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*	1060	890	1.27			
PCB-97	1.19e+07	1.63	y	36:01	0.69	884	-	-	*			
PCB-86	*	*	n	NotFnd	0.67	*	1060	890	1.86			
PCB-125	1.86e+07	1.59	y	36:17	0.93	1020	-	-	*		Co-elute PCB 87/117	
PCB-87	1.86e+07	1.59	y	36:17	0.93	1020	-	-	*		Co-elute PCB 125/117	
PCB-117	1.86e+07	1.59	y	36:17	0.93	1020	-	-	*		Co-elute PCB 125/87	
PCB-111	1.15e+06	1.50	y	36:26	1.01	57.7	-	-	*		Co-elute PCB 115	
PCB-115	1.15e+06	1.50	y	36:26	1.01	57.7	-	-	*		Co-elute PCB 111	
PCB-85	7.49e+06	1.58	y	36:31	0.86	445	-	-	*		Co-elute PCB 116	
PCB-116	7.49e+06	1.58	y	36:31	0.86	445	-	-	*		Co-elute PCB 85	
PCB-120	2.06e+05	1.52	y	36:44	1.07	9.83	-	-	*			
PCB-110	5.88e+07	1.58	y	36:54	0.95	3140	-	-	*			
PCB-82	4.10e+06	1.52	y	37:29	0.60	345	-	-	*			
PCB-124	3.01e+06	1.57	y	38:10	1.26	122	-	-	*			
PCB-108	5.00e+06	1.62	y	38:18	1.19	213	-	-	*		Co-elute PCB 107	
PCB-107	5.00e+06	1.62	y	38:18	1.19	213	-	-	*		Co-elute PCB 108	
PCB-123	1.13e+06	1.61	y	38:28	1.12	53.5	-	-	*			
13C-PCB-123	1.87e+07	1.54	y	38:26	1.36	1020				102	2.23e+06	1.56e+06
PCB-118	6.69e+07	1.60	y	38:38	1.16	2780	-	-	*		Co-elute PCB 106	
PCB-106	6.69e+07	1.60	y	38:38	1.16	2780	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.06e+07	1.62	y	38:36	1.43	1070				107	2.58e+06	1.59e+06
PCB-114	1.63e+06	1.53	y	39:15	1.27	63.5	-	-	*			
13C-PCB-114	2.01e+07	1.61	y	39:14	1.36	1090				110	2.62e+06	1.60e+06
PCB-122	7.47e+05	1.67	y	39:22	1.13	33.5	-	-	*			
PCB-105	2.67e+07	1.65	y	40:03	1.26	1120	-	-	*			
13C-PCB-105	1.89e+07	1.57	y	40:03	1.35	1040				105	2.18e+06	1.36e+06

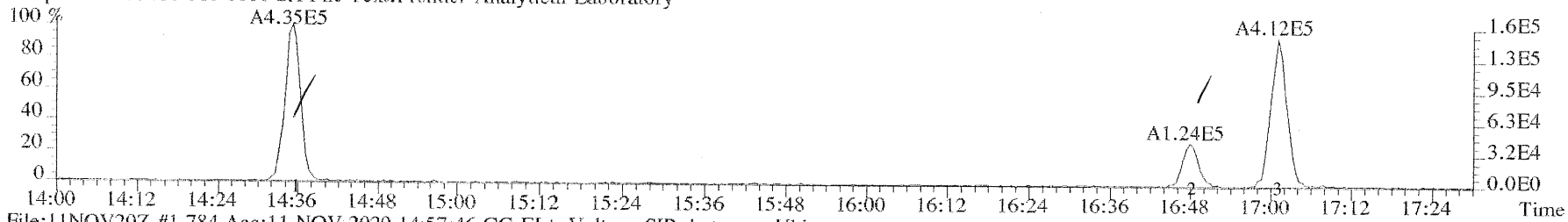
PCB-127	*	*	n	NotFnd	1.14	*	1080	850	1.07			
PCB-126	3.76e+05	1.72	y	42:10	1.19	16.4	-	-	*			
13C-PCB-126	1.91e+07	1.57	y	42:10	1.33	1060				107	2.47e+06	1.51e+06
PCB-151	1.31e+07	1.27	y	37:53	0.91	935	-	-	*			
PCB-135	7.31e+06	1.26	y	38:06	0.92	516	-	-	*			
PCB-144	2.92e+06	1.27	y	38:13	0.91	209	-	-	*			
PCB-147	1.34e+06	1.25	y	38:19	0.96	91.3	-	-	*			
PCB-139	5.32e+07	1.28	y	38:34	0.99	3490	-	-	*	Co-elute PCB 149		
PCB-149	5.32e+07	1.28	y	38:34	0.99	3490	-	-	*	Co-elute PCB 139		
PCB-140	4.52e+05	1.28	y	38:46	0.96	30.6	-	-	*			
PCB-143	2.92e+06	1.24	y	39:10	0.81	235	-	-	*	Co-elute PCB 134		
PCB-134	2.92e+06	1.24	y	39:10	0.81	235	-	-	*	Co-elute PCB 143		
PCB-131	1.74e+06	1.21	y	39:27	0.81	140	-	-	*	Co-elute PCB 133		
PCB-133	1.74e+06	1.21	y	39:27	0.81	140	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.82	*	720	680	1.26			
PCB-165	9.77e+06	1.24	y	39:48	1.06	597	-	-	*	Co-elute PCB 146		
PCB-146	9.77e+06	1.24	y	39:48	1.06	597	-	-	*	Co-elute PCB 165		
PCB-161	1.73e+07	1.26	y	40:05	1.02	1100	-	-	*	Co-elute PCB 132		
PCB-132	1.73e+07	1.26	y	40:05	1.02	1100	-	-	*	Co-elute PCB 161		
PCB-153	7.37e+07	1.25	y	40:11	1.06	4530	-	-	*			
PCB-168	*	*	n	NotFnd	1.17	*	720	680	0.881			
PCB-141	1.07e+07	1.26	y	40:54	0.91	763	-	-	*			
PCB-137	3.21e+06	1.23	y	41:16	0.96	217	-	-	*			
PCB-130	3.17e+06	1.23	y	41:20	0.78	266	-	-	*			
PCB-138	7.59e+07	1.27	y	41:42	1.10	4490	-	-	*	Co-elute PCB 163/164		
PCB-163	7.59e+07	1.27	y	41:42	1.10	4490	-	-	*	Co-elute PCB 138/164		
PCB-164	7.59e+07	1.27	y	41:42	1.10	4490	-	-	*	Co-elute PCB 138/163		
PCB-158	8.36e+06	1.27	y	41:55	1.22	448	-	-	*	Co-elute PCB 160		
PCB-160	8.36e+06	1.27	y	41:55	1.22	448	-	-	*	Co-elute PCB 158		
PCB-129	2.30e+06	1.33	y	42:10	0.79	188	-	-	*			
PCB-166	2.56e+05	1.28	y	42:38	1.19	14.0	-	-	*			
PCB-159	9.55e+05	1.24	y	42:58	1.32	47.1	-	-	*			
PCB-128	1.08e+07	1.26	y	43:11	1.06	662	-	-	*	Co-elute PCB 162		
PCB-162	1.08e+07	1.26	y	43:11	1.06	662	-	-	*	Co-elute PCB 128		
PCB-167	3.47e+06	1.24	y	43:34	1.19	186	-	-	*			
13C-PCB-167	1.56e+07	1.28	y	43:32	1.17	992				99.7	1.86e+06	1.45e+06
PCB-156	8.42e+06	1.26	y	44:46	1.28	432	-	-	*			
13C-PCB-156	1.51e+07	1.31	y	44:46	1.16	968				97.3	1.77e+06	1.35e+06
PCB-157	1.80e+06	1.21	y	45:03	1.22	94.8	-	-	*			
13C-PCB-157	1.55e+07	1.25	y	45:01	1.18	972				97.7	1.84e+06	1.49e+06
PCB-169	*	*	n	NotFnd	1.14	*	720	680	0.788			
13C-PCB-169	1.49e+07	1.30	y	46:51	1.19	929				93.4	2.19e+06	1.69e+06

FAL ID: 13416-010-0001-SA Filename: 11NOV20Z Sam:10 Acquired: 11-NOV-20 14:57:46 ICal: DAILY209FAL4-11-11-20
Client ID: LDW-Y3-SC-ENR-CA-CORE ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 10.05

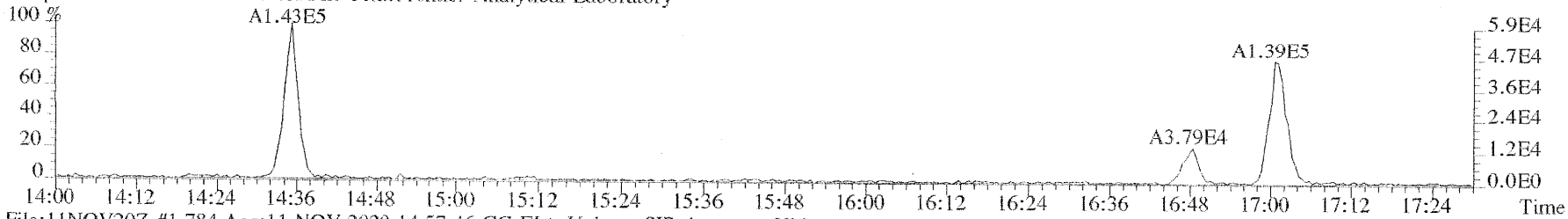
PCB-188	6.06e+04	1.16	y	39:50	1.15	4.53	-	-	*			
13C-PCB-188	1.15e+07	1.06	y	39:48	0.96	897				90.1	1.22e+06	1.18e+06
PCB-184	2.67e+04	1.13	y	40:16	1.26	2.06	-	-	*			
PCB-179	7.31e+06	1.05	y	40:59	1.19	598	-	-	*			
PCB-176	2.47e+06	1.06	y	41:27	1.16	208	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	430	404	0.744			
PCB-178	2.83e+06	1.09	y	42:28	0.86	320	-	-	*			
PCB-175	6.36e+05	1.03	y	42:48	0.92	67.0	-	-	*			
PCB-187	1.89e+07	1.07	y	42:58	0.99	1860	-	-	*		Co-elute PCB 182	
PCB-182	1.89e+07	1.07	y	42:58	0.99	1860	-	-	*		Co-elute PCB 187	
PCB-183	9.30e+06	1.06	y	43:16	0.96	943	-	-	*			
PCB-185	1.51e+06	1.02	y	43:54	0.91	160	-	-	*			
PCB-174	1.25e+07	1.09	y	44:15	0.94	1290	-	-	*			
PCB-181	*	*	n	NotFnd	0.92	*	430	404	0.953			
PCB-177	7.66e+06	1.03	y	44:30	0.86	865	-	-	*			
PCB-171	3.81e+06	1.05	y	44:46	0.89	415	-	-	*			
PCB-173	2.49e+05	1.12	y	45:11	0.82	29.5	-	-	*			
PCB-172	2.08e+06	1.05	y	45:34	0.87	234	-	-	*			
PCB-192	*	*	n	NotFnd	1.11	*	430	404	0.795			
PCB-180	3.01e+07	1.07	y	45:55	0.86	3400	-	-	*			
PCB-193	1.91e+06	1.06	y	46:05	1.16	160	-	-	*			
PCB-191	7.20e+05	1.07	y	46:17	1.14	61.3	-	-	*			
PCB-170	1.22e+07	1.07	y	47:11	0.85	1380	-	-	*			
PCB-190	3.21e+06	1.06	y	47:21	1.10	284	-	-	*			
PCB-189	6.00e+05	1.14	y	48:32	1.08	61.9	-	-	*			
13C-PCB-189	8.93e+06	1.10	y	48:30	0.95	699				70.2	1.20e+06	1.10e+06
PCB-202	1.53e+06	0.92	y	44:58	1.05	168	-	-	*			
PCB-201	1.05e+06	0.99	y	45:24	1.15	105	-	-	*			
PCB-204	*	*	n	NotFnd	1.17	*	492	480	1.05			
PCB-197	2.98e+05	1.01	y	45:47	1.17	29.5	-	-	*			
PCB-200	8.94e+05	0.93	y	46:32	1.16	88.9	-	-	*			
PCB-198	2.77e+05	0.94	y	47:42	0.81	39.5	-	-	*			
PCB-199	5.23e+06	0.92	y	47:47	0.83	731	-	-	*			
PCB-203	6.31e+06	0.93	y	48:02	0.90	812	-	-	*		Co-elute PCB 196	
PCB-196	6.31e+06	0.93	y	48:02	0.90	812	-	-	*		Co-elute PCB 203	
13C-PCB-202	8.63e+06	0.89	y	44:56	0.80	801				80.5	9.21e+05	1.04e+06
13C-PCB-178	8.82e+06	1.07	y	42:28	0.76	858				86.2	9.09e+05	8.54e+05
13C-PCB-138	1.34e+07	1.26	y	41:40	-	2.77						
PCB-195	3.62e+06	0.92	y	49:08	0.91	317	-	-	*			
PCB-194	8.07e+06	0.91	y	49:54	0.93	687	-	-	*			
PCB-205	5.99e+05	0.89	y	50:10	1.16	41.0	-	-	*			
13C-PCB-205	1.25e+07	0.91	y	50:10	1.26	1000				101	1.80e+06	1.96e+06
PCB-208	1.20e+06	1.29	y	49:15	1.13	97.1	-	-	*			
13C-PCB-208	1.09e+07	0.81	y	49:13	1.06	1040				105	1.44e+06	1.89e+06
PCB-207	5.78e+05	1.33	y	49:32	1.31	48.6	-	-	*			
PCB-206	3.09e+06	1.35	y	51:22	1.15	370	-	-	*			
13C-PCB-206	7.20e+06	0.82	y	51:22	0.81	904				90.8	9.16e+05	1.16e+06
PCB-209	1.30e+06	1.20	y	52:32	1.24	153	-	-	*			
13C-PCB-209	6.81e+06	1.22	y	52:32	0.87	792				79.6	1.09e+06	8.70e+05
13C-PCB-194	9.85e+06	0.92	y	49:54	-	2.17						

Analyst: [illegible] Date: 11/12/20

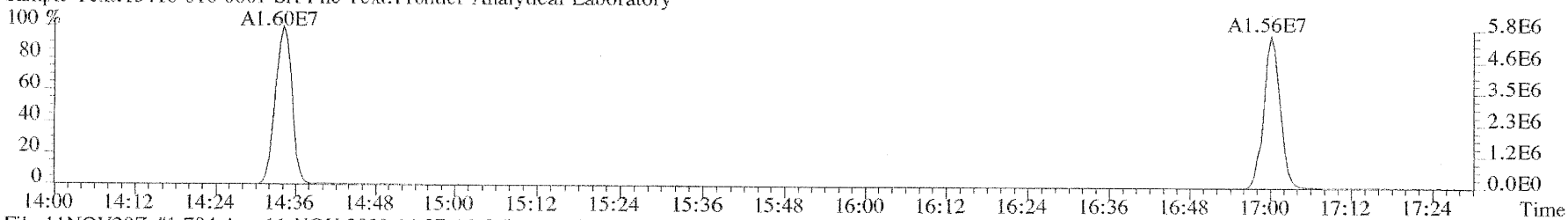
File:11NOV20Z #1-784 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



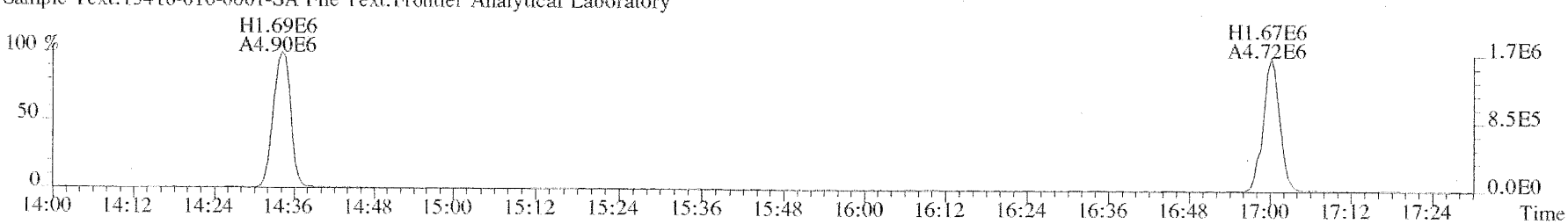
File:11NOV20Z #1-784 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



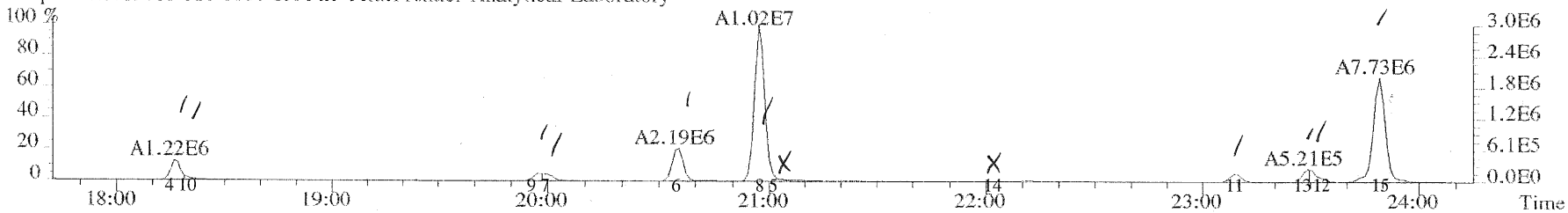
File:11NOV20Z #1-784 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



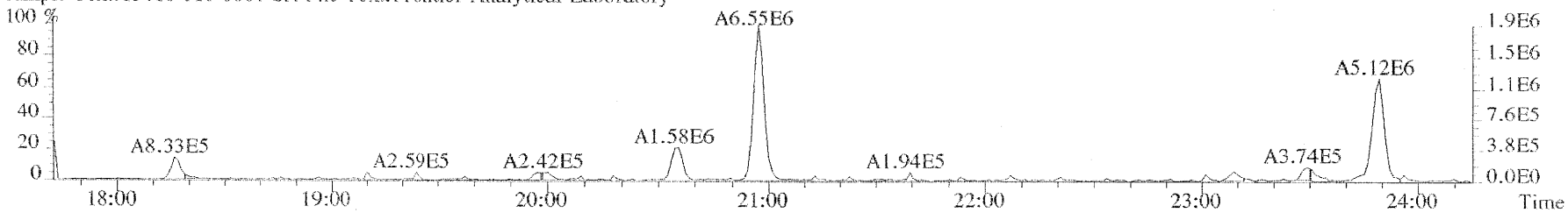
File:11NOV20Z #1-784 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



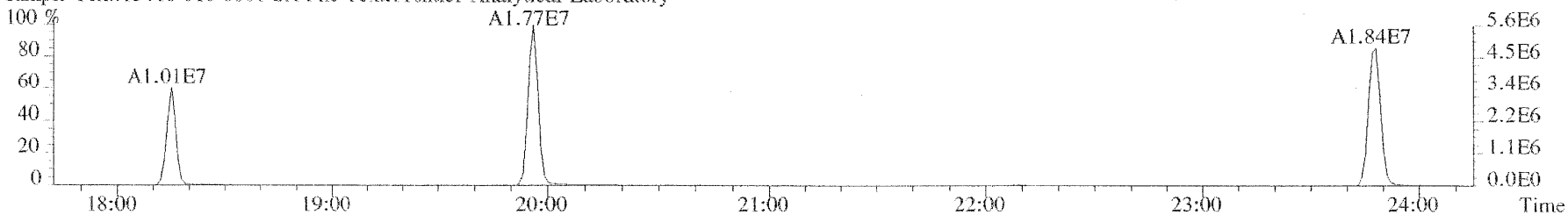
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



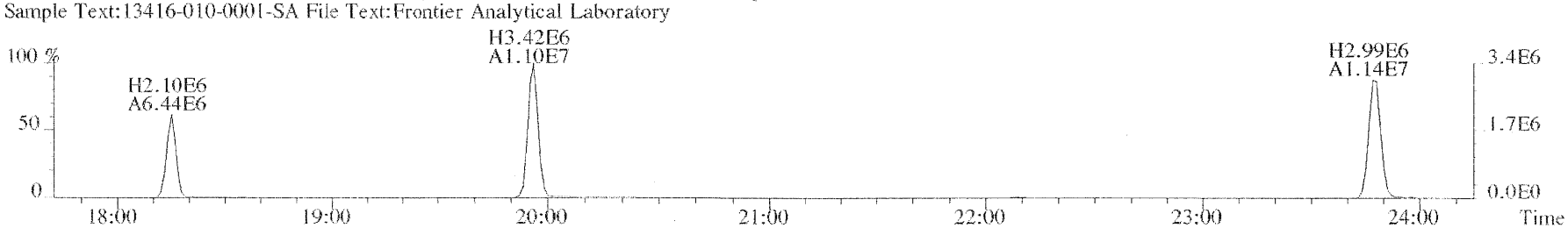
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



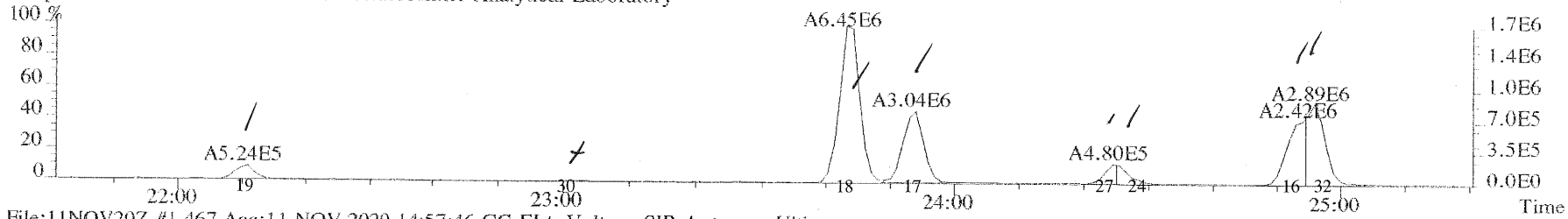
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



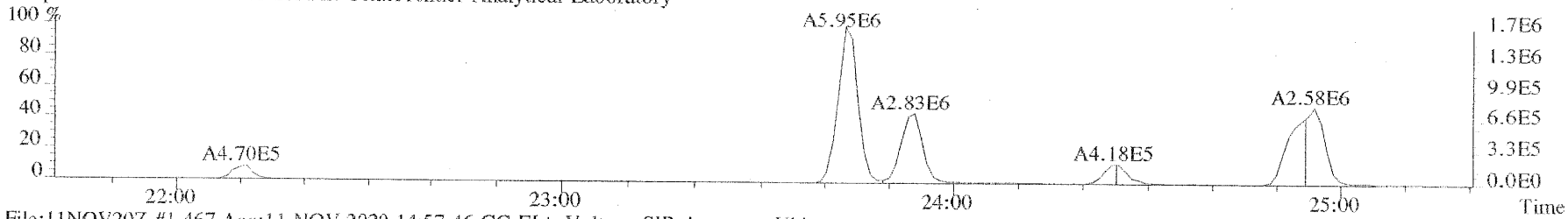
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



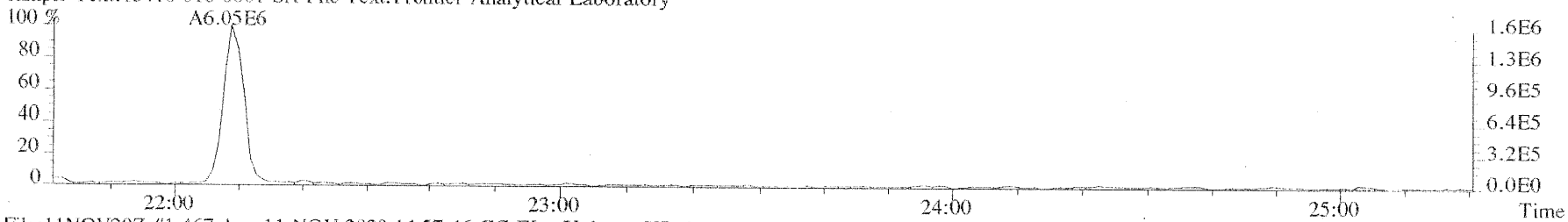
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



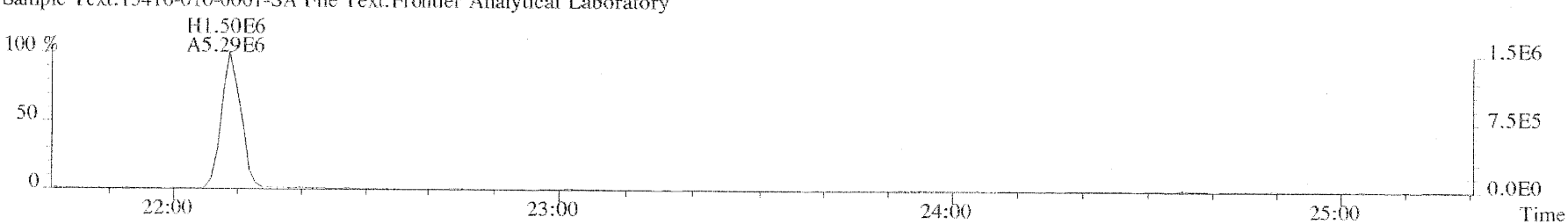
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



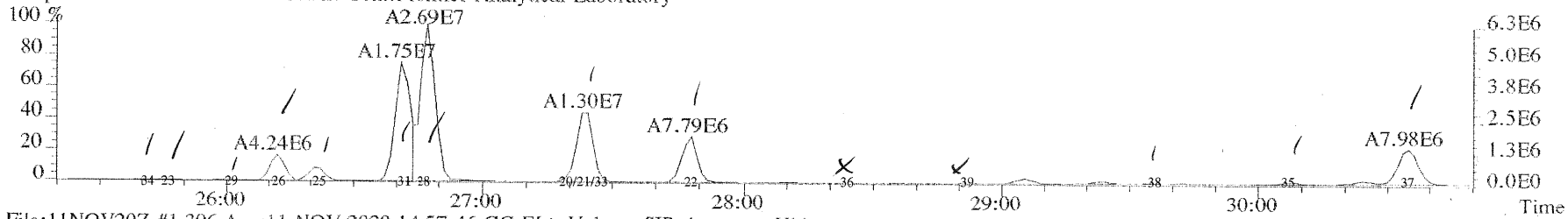
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



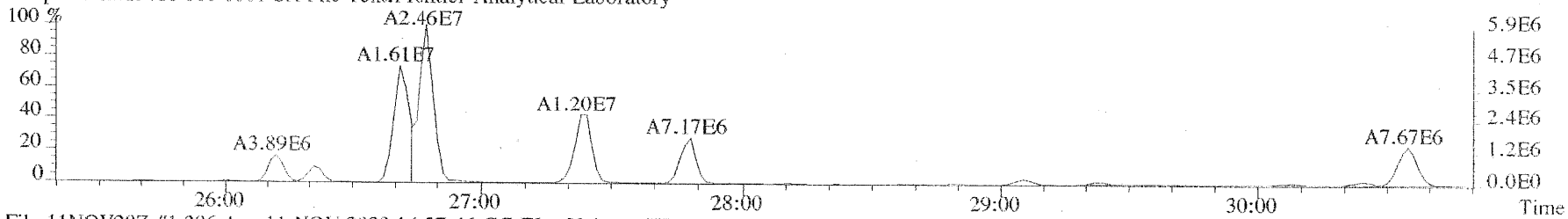
File:11NOV20Z #1-467 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



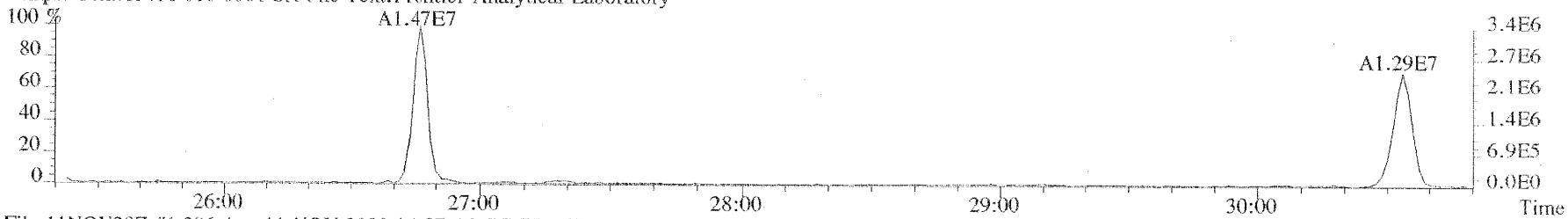
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



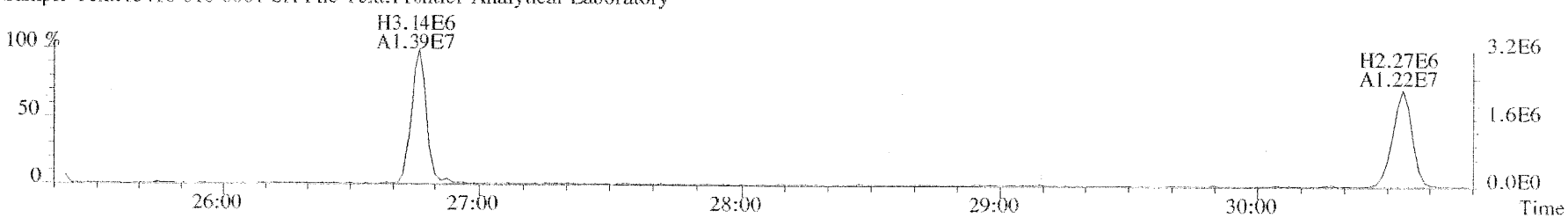
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



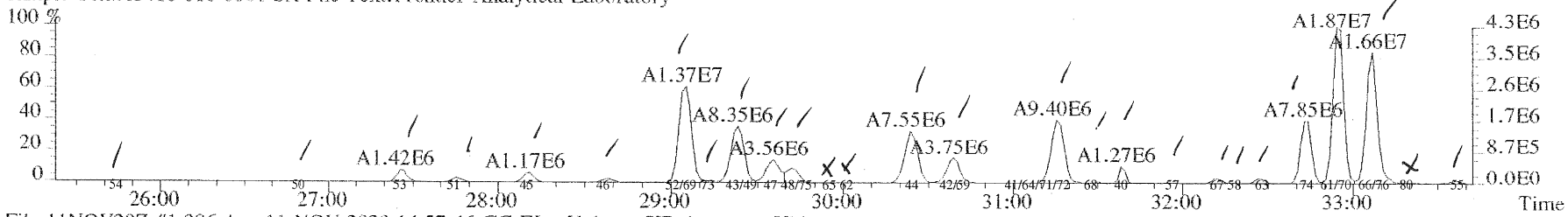
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



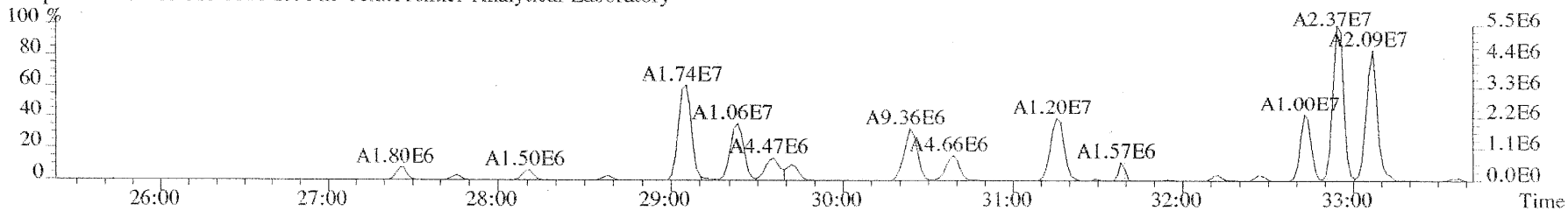
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



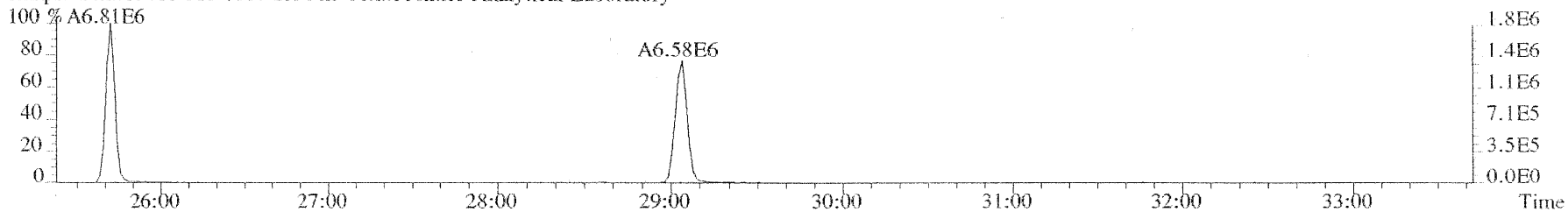
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



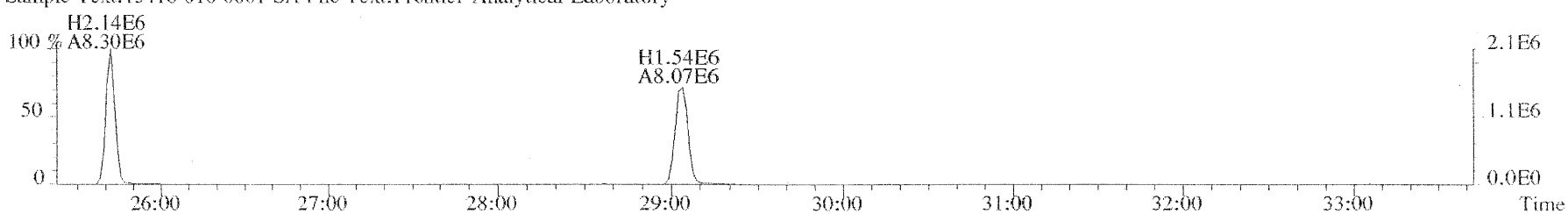
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



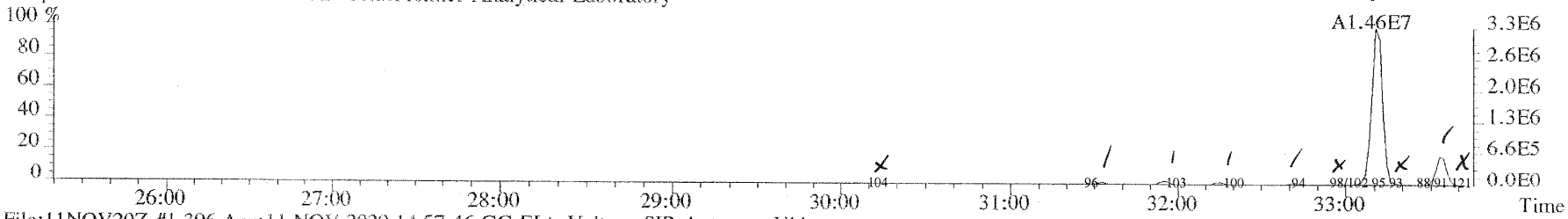
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



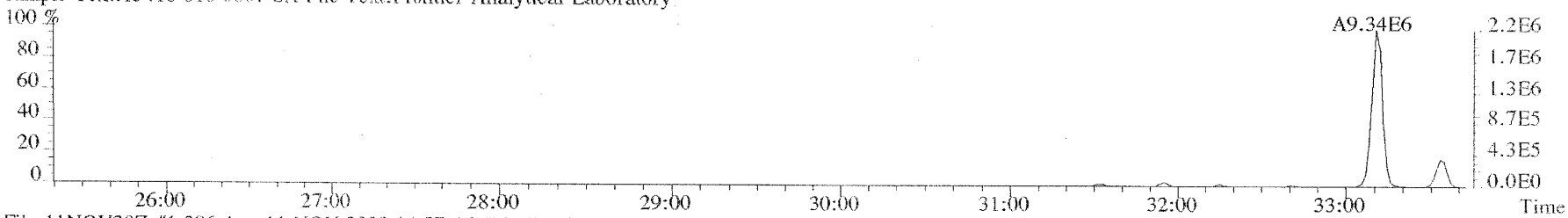
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



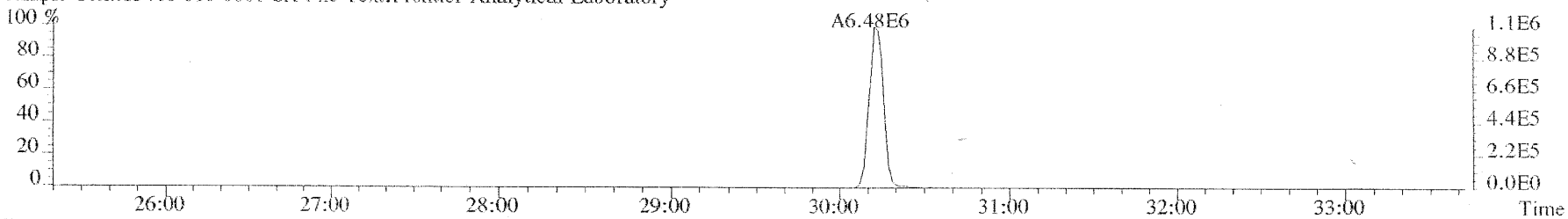
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



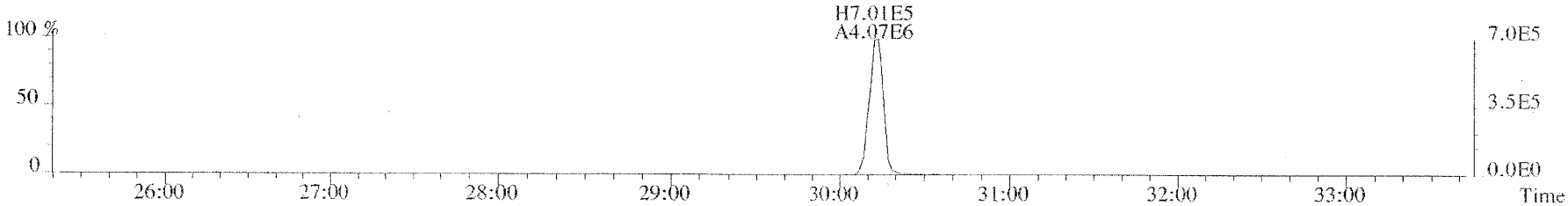
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



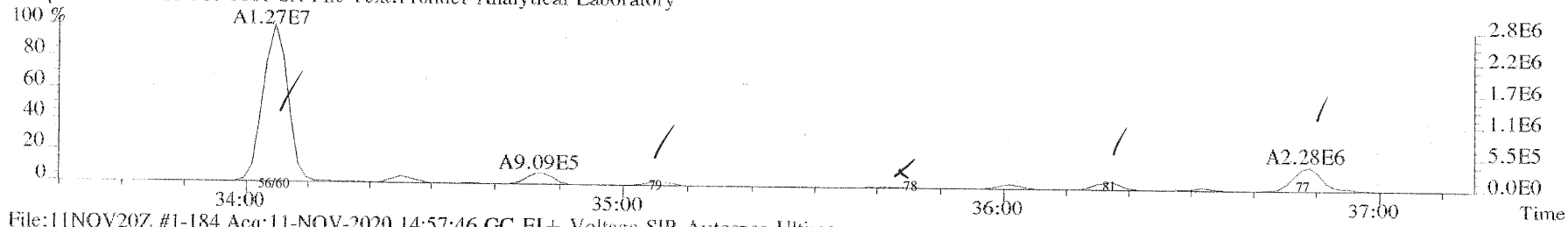
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



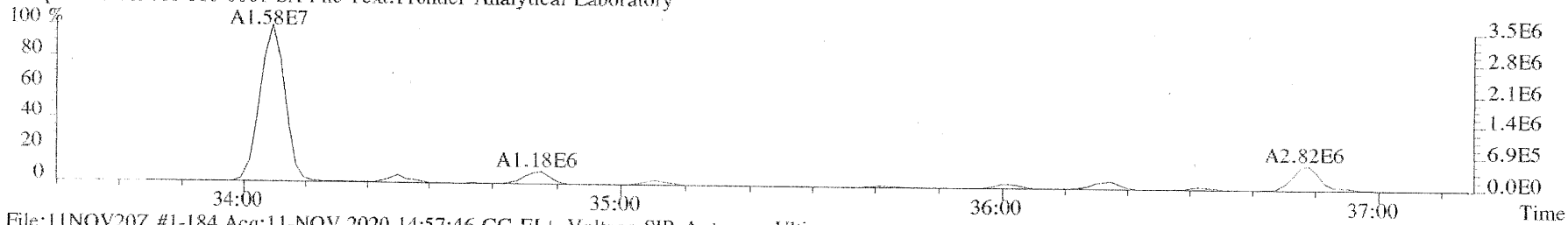
File:11NOV20Z #1-396 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



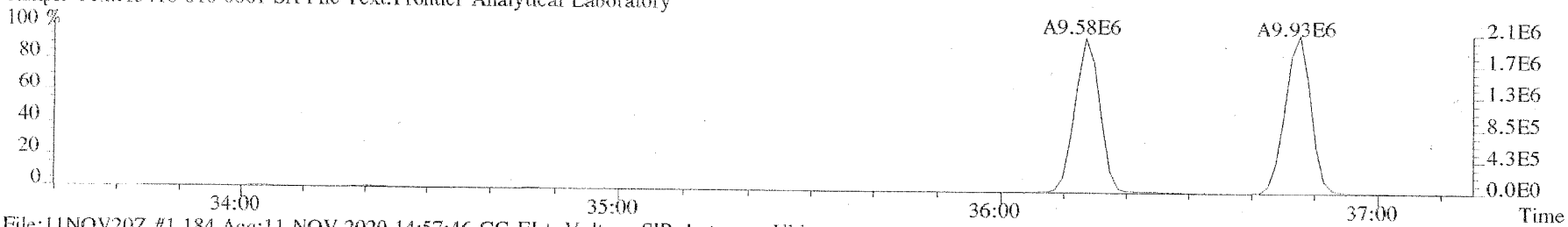
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



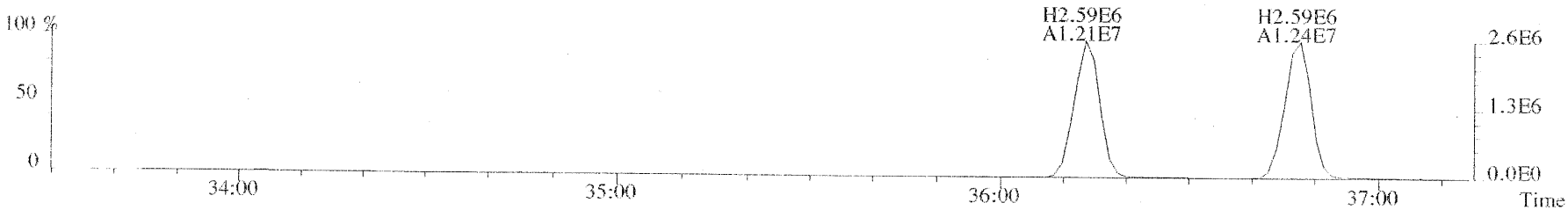
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



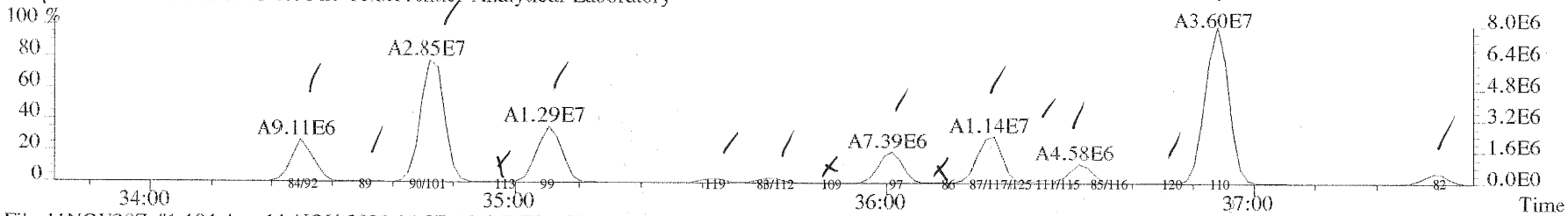
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



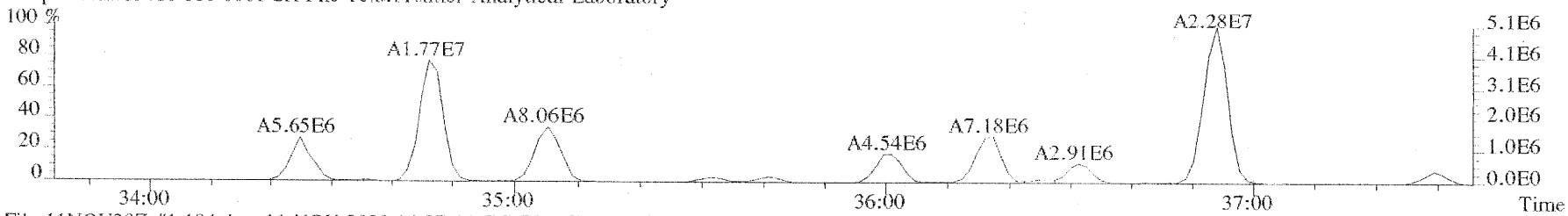
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



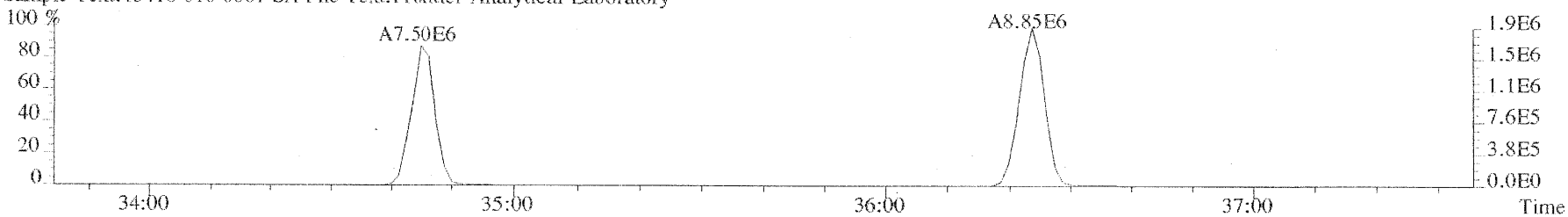
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



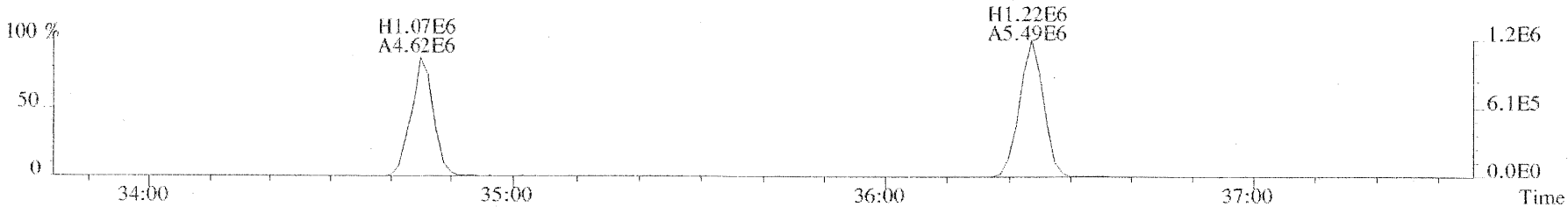
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



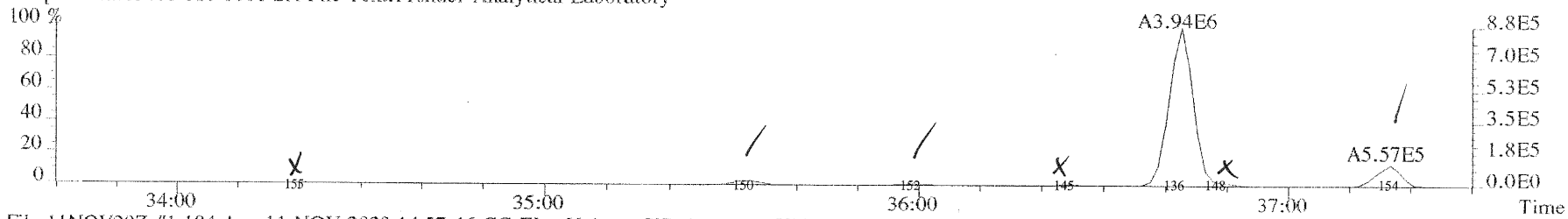
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



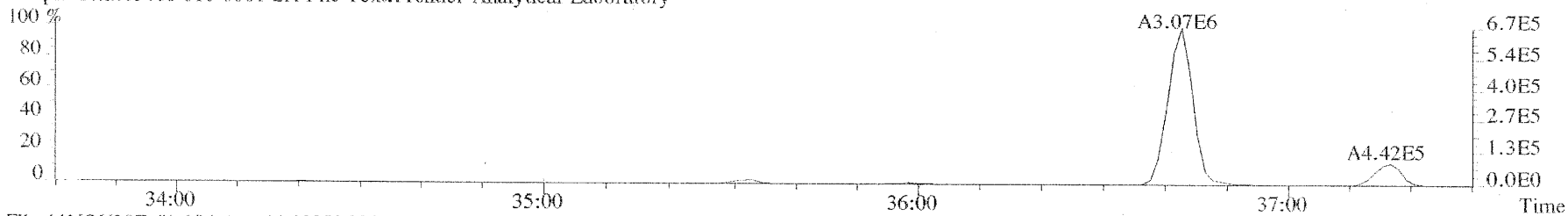
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



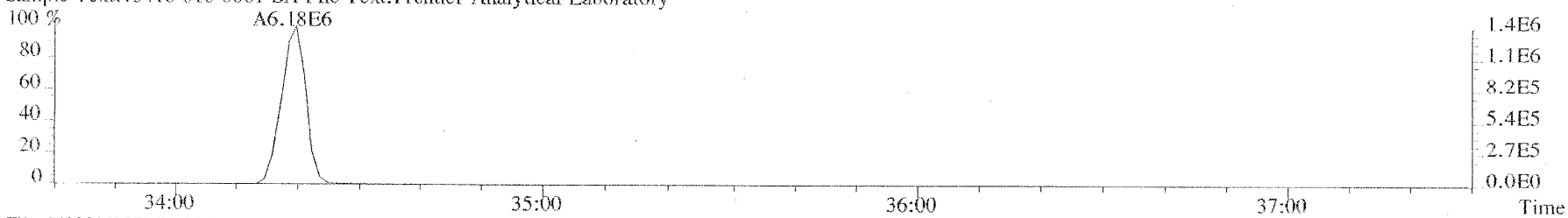
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



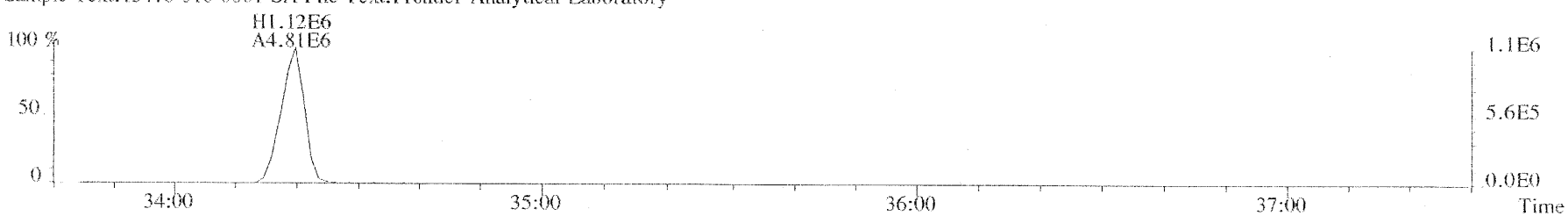
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



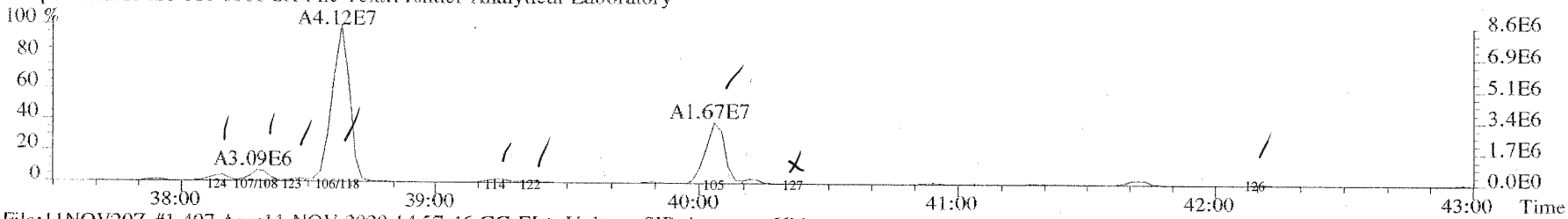
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



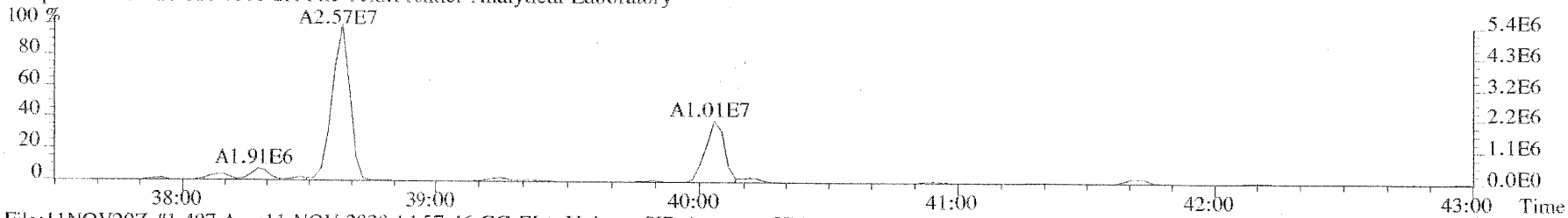
File:11NOV20Z #1-184 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



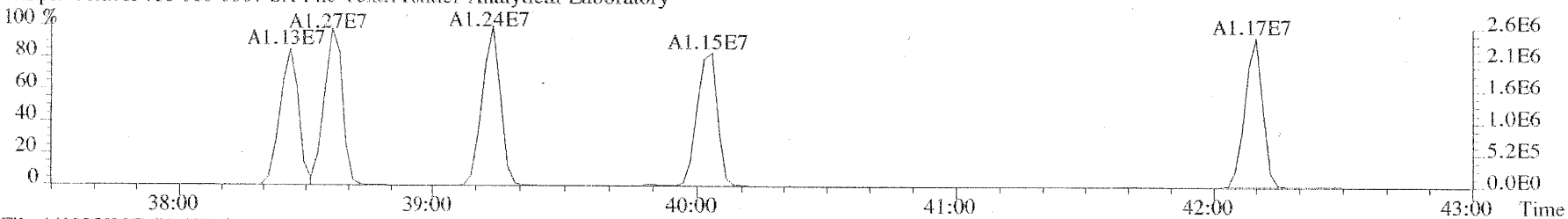
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



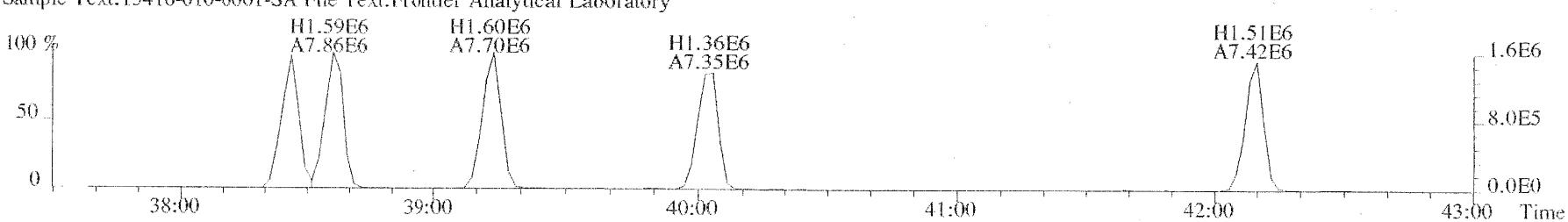
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



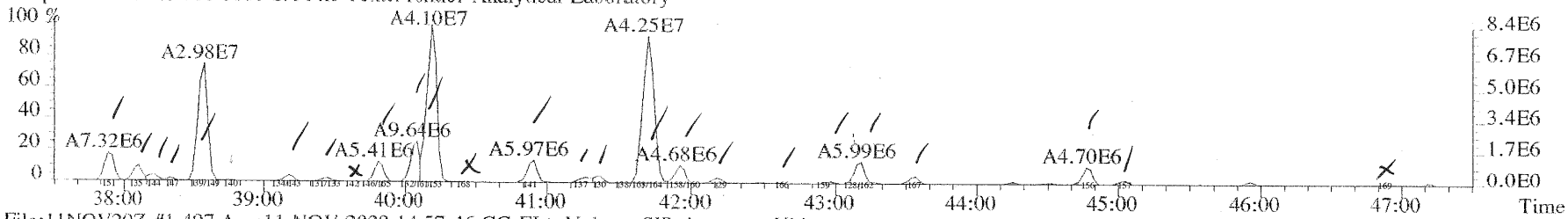
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



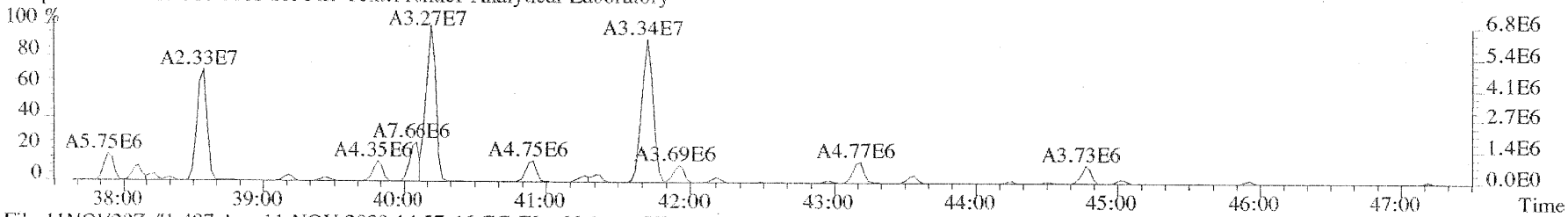
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



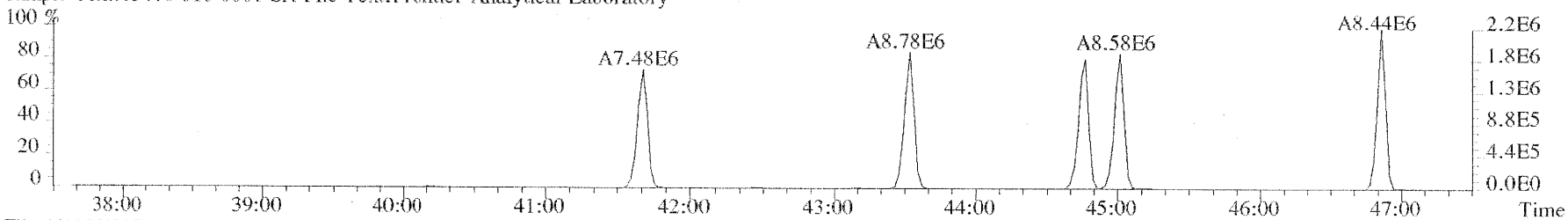
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



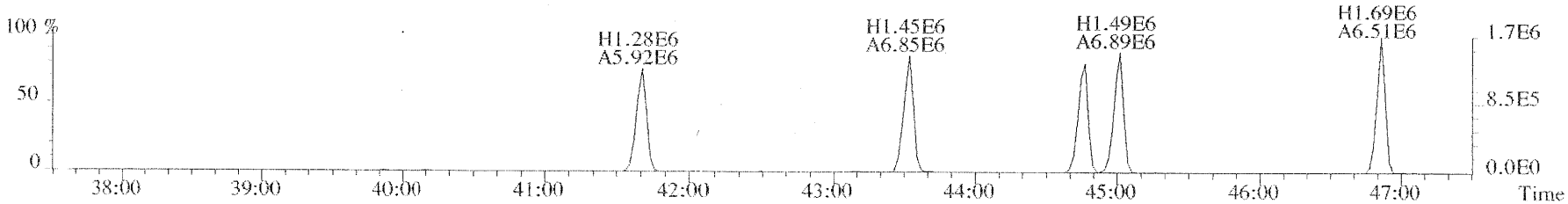
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



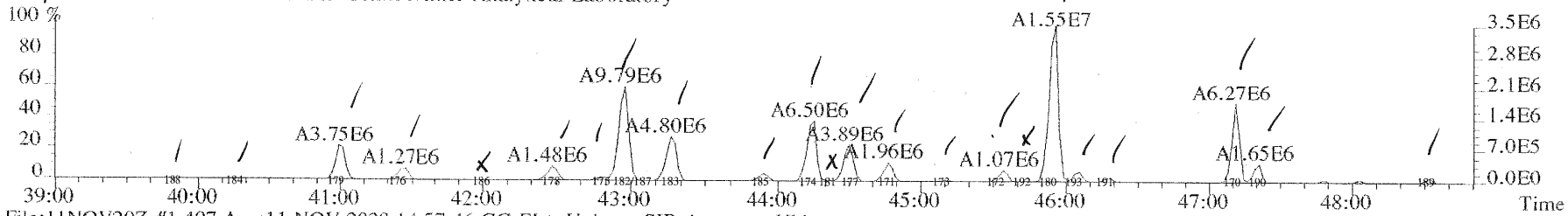
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



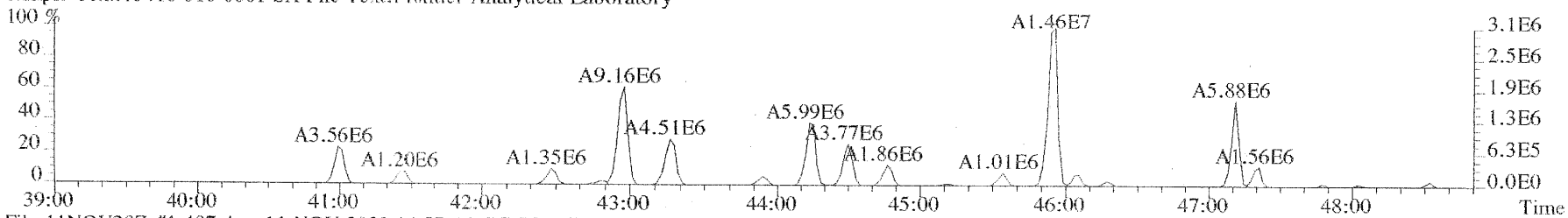
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



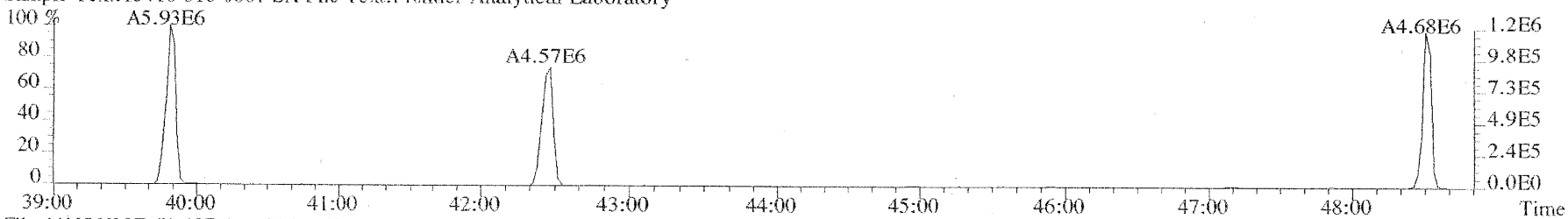
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



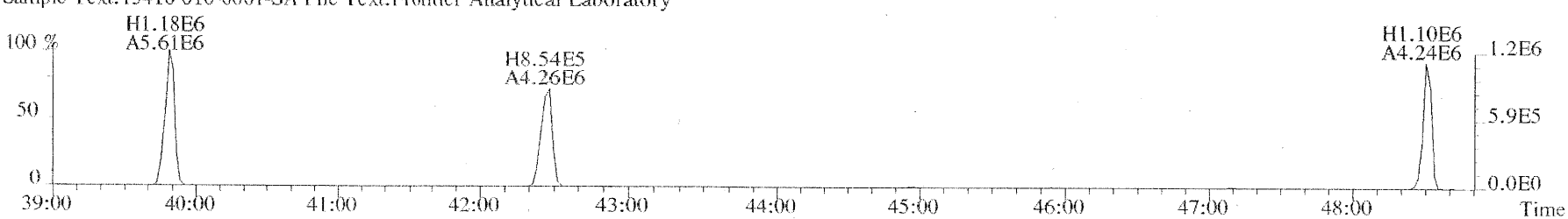
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



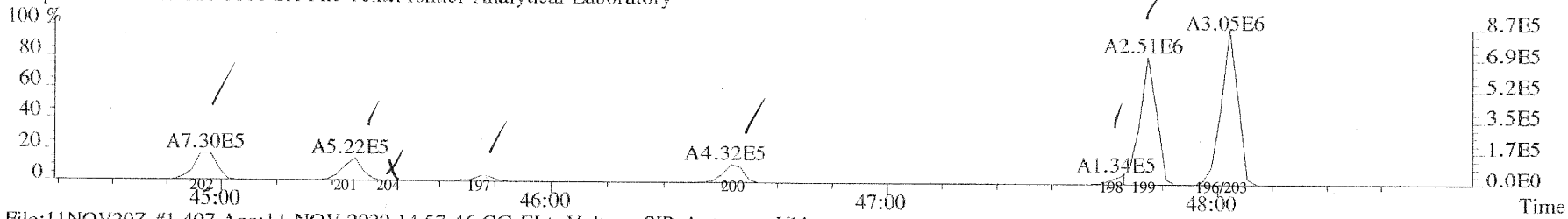
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



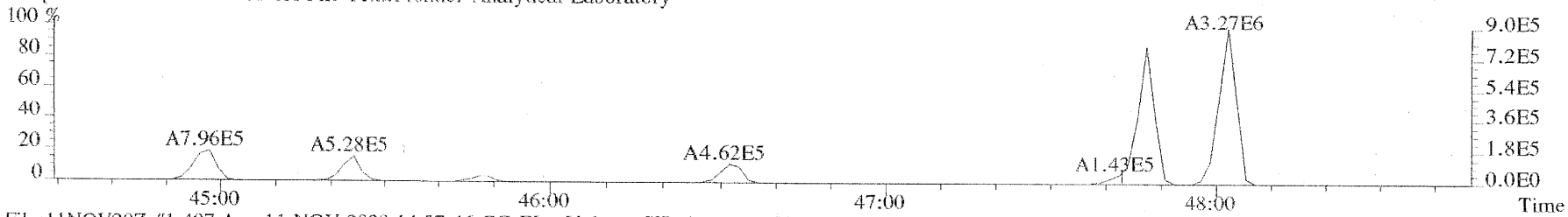
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



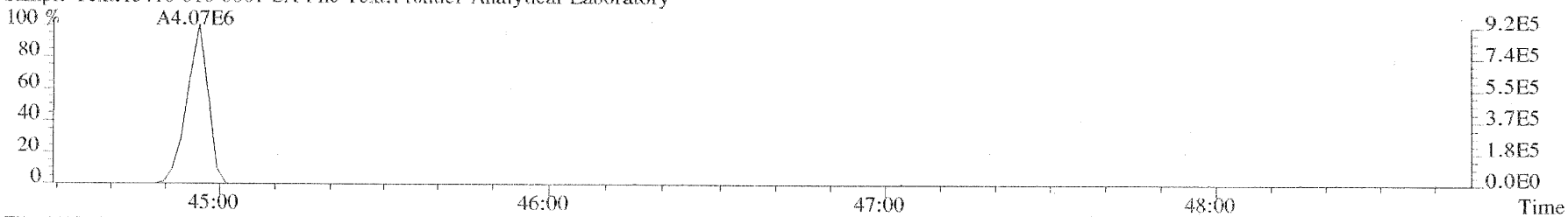
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



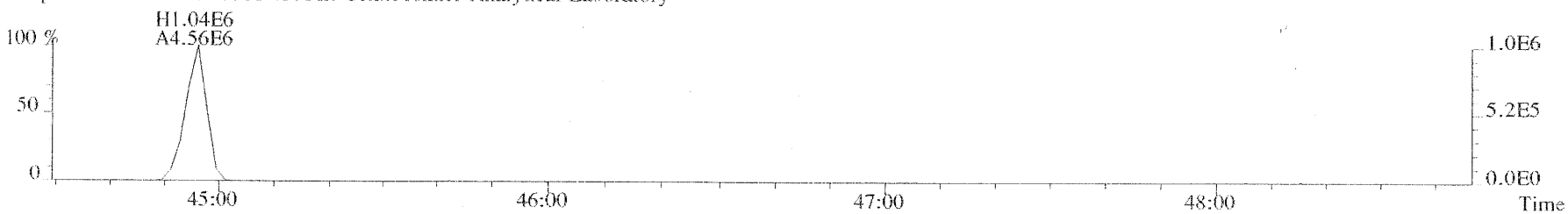
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



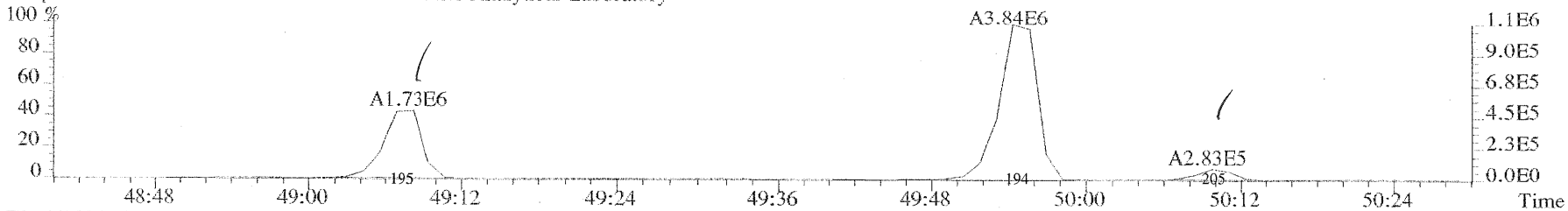
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



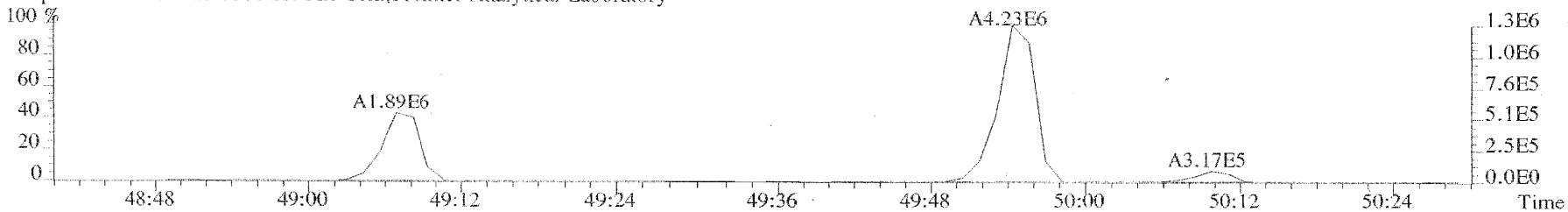
File:11NOV20Z #1-407 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



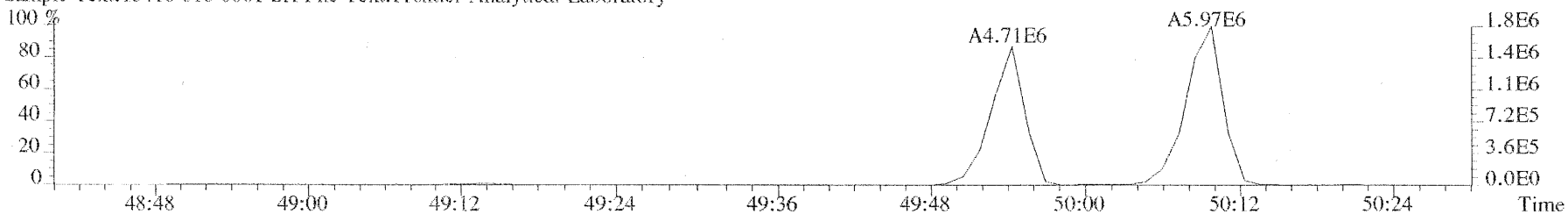
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



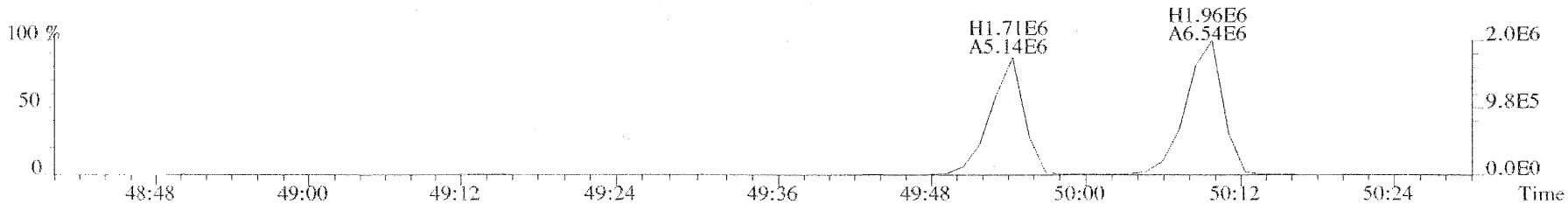
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text;Frontier Analytical Laboratory



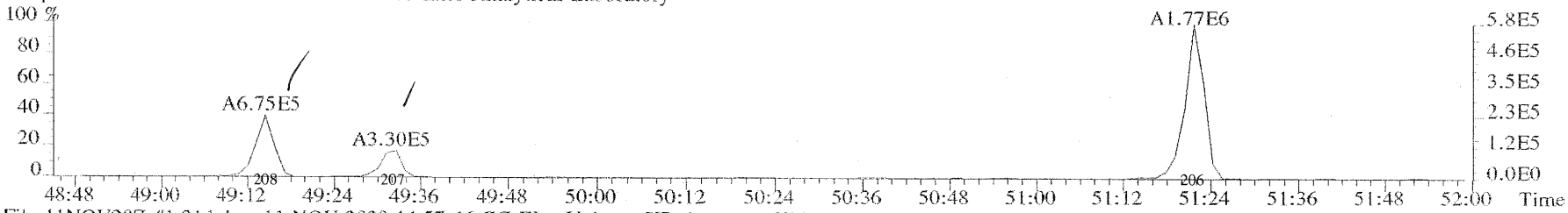
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



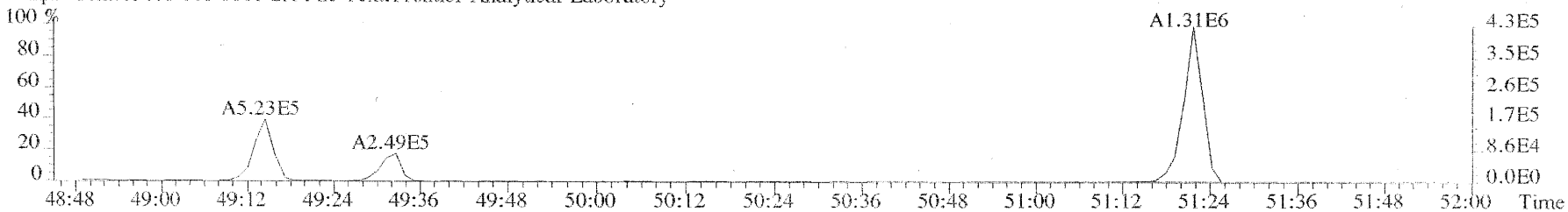
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



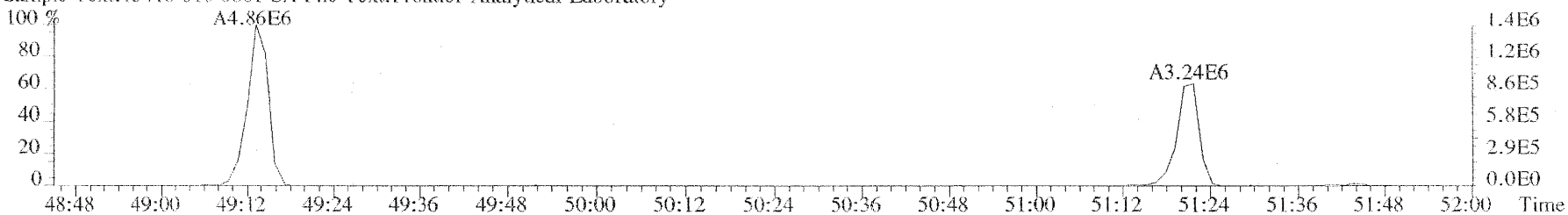
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



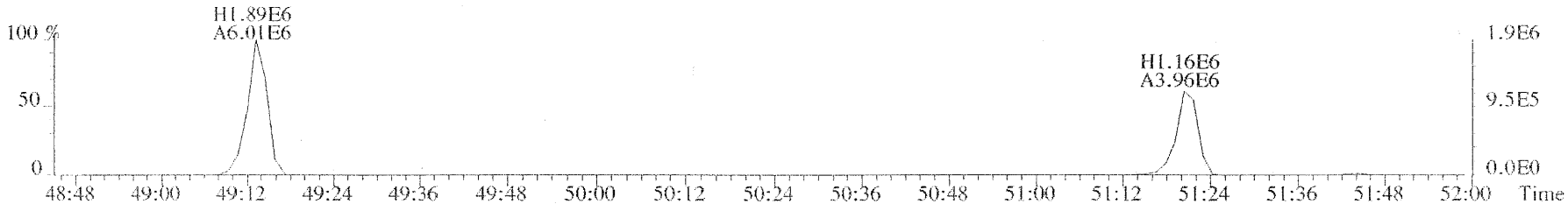
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



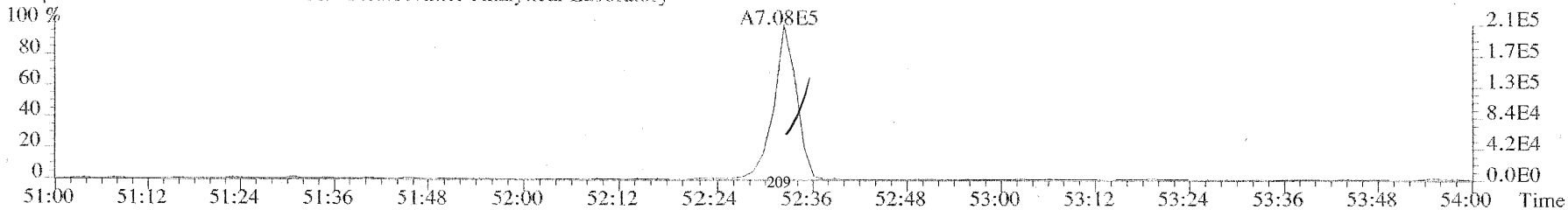
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



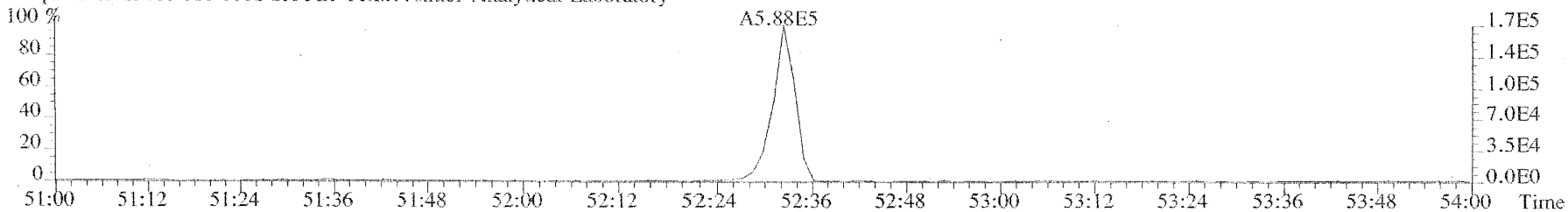
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



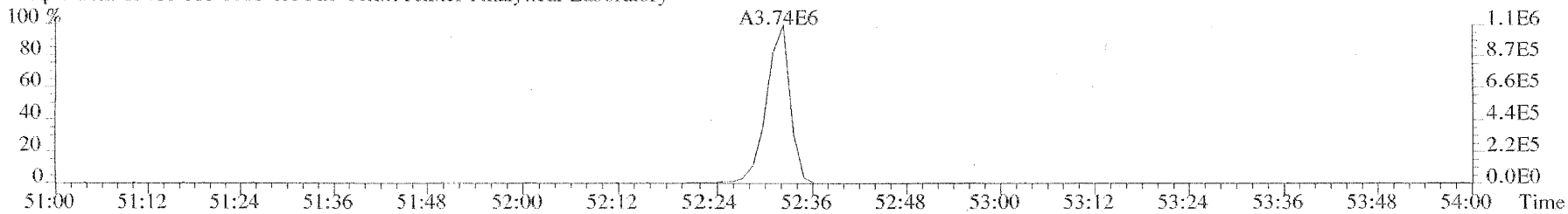
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



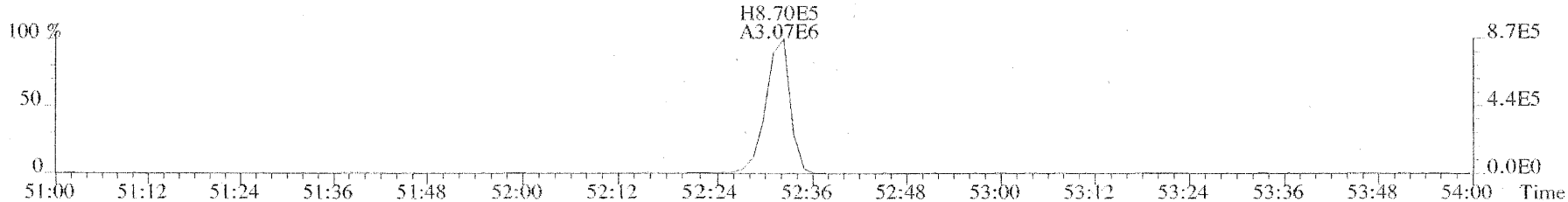
File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



File:11NOV20Z #1-314 Acq:11-NOV-2020 14:57:46 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-010-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-012-0001-SA Filename: 10NOV20Z Sam:4 Acquired: 10-NOV-20 10:23:52 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-CC-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	3.46e+05	2.99 y	14:32	1.23	24.1		-	-	*			
13C-PCB-1	1.16e+07	3.19 y	14:31	0.89	1000					100	2.70e+06	8.58e+05
PCB-2	8.65e+04	3.00 y	16:46	1.25	6.31		-	-	*			
PCB-3	2.86e+05	3.16 y	16:59	1.21	23.0		-	-	*			
13C-PCB-3	1.02e+07	3.16 y	16:58	0.87	900					90.2	2.19e+06	6.76e+05
PCB-4	1.06e+06	1.56 y	18:15	0.97	140		-	-	*			
PCB-10	1.95e+05	1.49 y	18:18	1.52	11.0		-	-	*			
13C-PCB-4	7.73e+06	1.55 y	18:14	0.65	904					90.5	1.24e+06	8.00e+05
PCB-9	3.77e+05	1.50 y	19:57	1.41	22.9		-	-	*			
PCB-7	3.84e+05	1.53 y	19:58	1.43	23.0		-	-	*			
PCB-6	2.23e+06	1.36 y	20:34	1.32	144		-	-	*			
PCB-8	9.44e+06	1.49 y	20:56	1.38	586		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		444	2010	1.52			
PCB-14	*	* n	NotFnd	1.39	*		444	2010	1.47			
PCB-11	5.51e+05	1.51 y	23:08	1.24	38.0		-	-	*			
PCB-13	6.64e+05	1.48 y	23:28	1.29	44.0		-	-	*			
PCB-12	4.58e+05	1.40 y	23:29	1.32	29.8		-	-	*			
PCB-15	7.41e+06	1.39 y	23:48	1.18	401		-	-	*			
13C-PCB-15	1.56e+07	1.57 y	23:46	0.96	1240					124	2.39e+06	1.52e+06
PCB-19	7.19e+05	1.16 y	22:10	1.35	87.0		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1060	624	1.37			
PCB-18	8.90e+06	1.10 y	23:42	1.34	1080		-	-	*			
PCB-17	4.32e+06	1.08 y	23:52	1.48	478		-	-	*			
PCB-27	6.12e+05	1.11 y	24:23	1.94	51.7		-	-	*			
PCB-24	7.32e+05	1.16 y	24:24	1.93	62.1		-	-	*			
PCB-16	3.70e+06	1.05 y	24:53	1.64	370		-	-	*			
PCB-32	3.85e+06	1.11 y	24:55	1.69	372		-	-	*			
13C-PCB-19	6.10e+06	1.16 y	22:09	0.45	1050					105	8.04e+05	7.16e+05
13C-PCB-9	1.31e+07	1.56 y	19:55	-	1.80							
PCB-34	1.37e+05	1.01 y	25:40	1.27	7.41		-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		877	652	1.02			
PCB-29	1.89e+05	1.06 y	25:59	1.30	9.90		-	-	*			
PCB-26	4.97e+06	1.05 y	26:11	1.22	279		-	-	*			
PCB-25	2.95e+06	1.07 y	26:19	1.21	168		-	-	*			
PCB-31	2.48e+07	1.05 y	26:41	1.18	1430		-	-	*			
PCB-28	2.90e+07	1.07 y	26:46	1.51	1320		-	-	*			
PCB-20	1.60e+07	1.08 y	27:23	1.21	901		-	-	*		Co-elute PCB 21/33	
PCB-21	1.60e+07	1.08 y	27:23	1.21	901		-	-	*		Co-elute PCB 20/33	
PCB-33	1.60e+07	1.08 y	27:23	1.21	901		-	-	*		Co-elute PCB 20/21	
PCB-22	9.52e+06	1.06 y	27:47	1.40	467		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		877	652	1.09			
PCB-39	*	* n	NotFnd	1.21	*		877	652	1.11			
PCB-38	2.04e+05	1.07 y	29:35	1.17	11.9		-	-	*			
PCB-35	4.87e+05	1.06 y	30:06	1.14	29.3		-	-	*			
PCB-37	1.03e+07	1.07 y	30:34	1.20	590		-	-	*			
13C-PCB-37	1.46e+07	1.08 y	30:32	1.40	1170					117	1.50e+06	1.35e+06

PCB-54	6.15e+04	0.77	y	25:41	1.24	4.97	-	-	*			
PCB-50	5.32e+04	0.85	y	26:48	0.92	5.83	-	-	*			
PCB-53	2.10e+06	0.79	y	27:25	0.91	231	-	-	*			
PCB-51	7.89e+05	0.79	y	27:44	0.98	80.6	-	-	*			
PCB-45	1.86e+06	0.76	y	28:09	0.79	235	-	-	*			
PCB-46	7.35e+05	0.76	y	28:37	0.78	94.8	-	-	*			
PCB-52	1.96e+07	0.77	y	29:04	0.91	2160	-	-	*	Co-elute PCB 69		
PCB-69	1.96e+07	0.77	y	29:04	0.91	2160	-	-	*	Co-elute PCB 52		
PCB-73	2.24e+05	0.84	y	29:11	1.23	18.3	-	-	*			
PCB-43	1.31e+07	0.78	y	29:21	0.82	1600	-	-	*	Co-elute PCB 49		
PCB-49	1.31e+07	0.78	y	29:21	0.82	1600	-	-	*	Co-elute PCB 43		
PCB-47	5.36e+06	0.77	y	29:34	0.90	597	-	-	*			
PCB-48	3.43e+06	0.76	y	29:42	1.05	327	-	-	*	Co-elute PCB 75		
PCB-75	3.43e+06	0.76	y	29:42	1.05	327	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	657	950	1.45			
PCB-62	*	*	n	NotFnd	1.12	*	657	950	1.41			
PCB-44	1.19e+07	0.78	y	30:22	0.73	1630	-	-	*			
PCB-42	6.29e+06	0.77	y	30:37	0.96	657	-	-	*	Co-elute PCB 59		
PCB-59	6.29e+06	0.77	y	30:37	0.96	657	-	-	*	Co-elute PCB 42		
PCB-72	1.53e+07	0.79	y	31:14	1.05	1460	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.53e+07	0.79	y	31:14	1.05	1460	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.53e+07	0.79	y	31:14	1.05	1460	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.53e+07	0.79	y	31:14	1.05	1460	-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.73e+05	0.83	y	31:23	1.28	13.5	-	-	*			
PCB-40	1.68e+06	0.77	y	31:34	0.69	245	-	-	*			
PCB-57	1.85e+05	0.78	y	31:52	1.13	16.4	-	-	*			
PCB-67	9.29e+05	0.83	y	32:10	1.17	79.8	-	-	*			
PCB-58	7.88e+04	0.76	y	32:16	1.13	7.01	-	-	*			
PCB-63	9.94e+05	0.79	y	32:25	1.13	88.0	-	-	*			
PCB-74	1.25e+07	0.79	y	32:41	1.15	1090	-	-	*			
PCB-61	2.86e+07	0.77	y	32:53	1.06	2710	-	-	*	Co-elute PCB 70		
PCB-70	2.86e+07	0.77	y	32:53	1.06	2710	-	-	*	Co-elute PCB 61		
PCB-76	2.69e+07	0.77	y	33:04	1.21	2230	-	-	*	Co-elute PCB 66		
PCB-66	2.69e+07	0.77	y	33:04	1.21	2230	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	657	950	1.15			
PCB-55	6.42e+05	0.75	y	33:33	1.19	54.1	-	-	*			
13C-PCB-54	9.95e+06	0.81	y	25:40	1.24	899					90.1	1.12e+06 1.43e+06
PCB-104	*	*	n	NotFnd	1.14	*	376	404	0.994			
PCB-96	1.66e+05	1.60	y	31:27	1.10	18.1	-	-	*			
PCB-103	3.90e+05	1.49	y	31:52	0.90	51.7	-	-	*			
PCB-100	2.26e+05	1.71	y	32:13	0.91	29.8	-	-	*			
PCB-94	1.22e+05	1.55	y	32:39	0.76	19.2	-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*	376	404	1.45	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	376	404	1.45	Co-elute PCB 98		
PCB-95	1.80e+07	1.57	y	33:09	0.84	2560	-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*	376	404	1.45			
PCB-88	3.42e+06	1.54	y	33:32	0.89	458	-	-	*	Co-elute PCB 91		
PCB-91	3.42e+06	1.54	y	33:32	0.89	458	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	376	404	1.16			
13C-PCB-104	8.35e+06	1.59	y	30:12	0.98	957					95.9	1.05e+06 6.64e+05
13C-PCB-28	1.43e+07	1.06	y	26:45	1.74	922					92.4	1.76e+06 1.60e+06
13C-PCB-52	8.88e+06	0.80	y	29:02	-	2.28						

PCB-56	1.81e+07	0.81	y	34:03	1.23	1160	-	-	*		Co-elute PCB 60	
PCB-60	1.81e+07	0.81	y	34:03	1.23	1160	-	-	*		Co-elute PCB 56	
PCB-79	5.35e+05	0.68	y	35:04	1.25	33.6	-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*	640	910	1.10			
PCB-81	8.35e+05	0.79	y	36:15	1.25	53.8	-	-	*			
13C-PCB-81	1.23e+07	0.80	y	36:12	1.33	1150				115	1.21e+06	1.50e+06
PCB-77	3.21e+06	0.79	y	36:46	1.11	221	-	-	*			
13C-PCB-77	1.31e+07	0.80	y	36:45	1.39	1160				117	1.33e+06	1.70e+06
PCB-155	*	*	n	NotFnd	1.10	*	684	576	1.27			
PCB-150	1.38e+05	1.14	y	35:30	1.04	14.5	-	-	*			
PCB-152	4.55e+04	1.09	y	35:57	1.01	4.94	-	-	*			
PCB-145	*	*	n	NotFnd	1.02	*	684	576	1.37			
PCB-136	5.58e+06	1.29	y	36:41	0.99	613	-	-	*			
PCB-148	5.58e+06	1.29	y	36:41	0.78	783	684	576	1.79			
PCB-154	7.96e+05	1.32	y	37:15	0.88	98.7	-	-	*			
13C-PCB-155	9.14e+06	1.26	y	34:17	1.18	957				95.9	1.25e+06	1.01e+06
13C-PCB-111	9.58e+06	1.62	y	36:22	1.26	941				94.3	1.35e+06	8.27e+05
13C-PCB-101	8.04e+06	1.60	y	34:44	-	2.28						
PCB-84	1.08e+07	1.56	y	34:23	0.78	1170	-	-	*		Co-elute PCB 92	
PCB-92	1.08e+07	1.56	y	34:23	0.78	1170	-	-	*		Co-elute PCB 84	
PCB-89	2.68e+05	1.74	y	34:33	0.77	29.5	-	-	*			
PCB-90	3.23e+07	1.57	y	34:45	0.85	3200	-	-	*		Co-elute PCB 101	
PCB-101	3.23e+07	1.57	y	34:45	0.85	3200	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.96	*	610	560	1.12			
PCB-99	1.47e+07	1.53	y	35:04	0.94	1320	-	-	*			
PCB-119	1.14e+06	1.51	y	35:29	1.06	91.0	-	-	*			
PCB-83	1.38e+06	1.55	y	35:39	0.88	133	-	-	*		Co-elute PCB 112	
PCB-112	1.38e+06	1.55	y	35:39	0.88	133	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	1.04	*	610	560	1.04			
PCB-97	8.28e+06	1.58	y	35:59	0.73	955	-	-	*			
PCB-86	*	*	n	NotFnd	0.76	*	610	560	1.42			
PCB-125	1.26e+07	1.56	y	36:15	0.94	1130	-	-	*		Co-elute PCB 87/117	
PCB-87	1.26e+07	1.56	y	36:15	0.94	1130	-	-	*		Co-elute PCB 125/117	
PCB-117	1.26e+07	1.56	y	36:15	0.94	1130	-	-	*		Co-elute PCB 125/87	
PCB-111	6.05e+05	1.56	y	36:23	1.06	48.0	-	-	*		Co-elute PCB 115	
PCB-115	6.05e+05	1.56	y	36:23	1.06	48.0	-	-	*		Co-elute PCB 111	
PCB-85	5.22e+06	1.53	y	36:30	0.96	459	-	-	*		Co-elute PCB 116	
PCB-116	5.22e+06	1.53	y	36:30	0.96	459	-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.14	*	610	560	0.947			
PCB-110	4.02e+07	1.58	y	36:53	1.09	3120	-	-	*			
PCB-82	2.77e+06	1.49	y	37:28	0.66	357	-	-	*			
PCB-124	1.79e+06	1.49	y	38:08	1.19	127	-	-	*			
PCB-108	2.98e+06	1.57	y	38:16	1.14	221	-	-	*		Co-elute PCB 107	
PCB-107	2.98e+06	1.57	y	38:16	1.14	221	-	-	*		Co-elute PCB 108	
PCB-123	7.43e+05	1.54	y	38:26	1.09	58.8	-	-	*			
13C-PCB-123	1.16e+07	1.59	y	38:24	1.22	1160				117	1.68e+06	1.04e+06
PCB-118	3.95e+07	1.58	y	38:36	1.13	2890	-	-	*		Co-elute PCB 106	
PCB-106	3.95e+07	1.58	y	38:36	1.13	2890	-	-	*		Co-elute PCB 118	
13C-PCB-118	1.21e+07	1.56	y	38:34	1.30	1130				114	1.75e+06	1.13e+06
PCB-114	9.72e+05	1.56	y	39:12	1.21	67.7	-	-	*			
13C-PCB-114	1.18e+07	1.57	y	39:12	1.29	1120				113	1.60e+06	9.98e+05
PCB-122	4.78e+05	1.56	y	39:20	1.13	35.6	-	-	*			
PCB-105	1.62e+07	1.57	y	40:01	1.18	1170	-	-	*			
13C-PCB-105	1.17e+07	1.57	y	40:00	1.27	1130				113	1.61e+06	1.05e+06

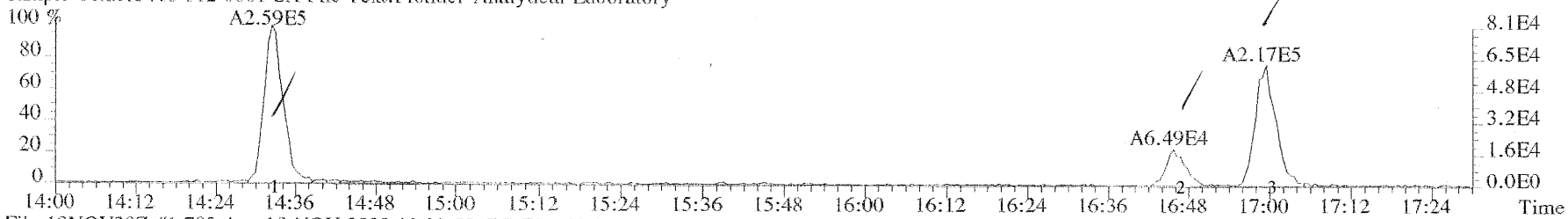
PCB-127	*	*	n	NotFnd	1.10	*	1010	880	1.59			
PCB-126	2.27e+05	1.49	y	42:08	1.15	17.4	-	-	*			
13C-PCB-126	1.14e+07	1.58	y	42:06	1.16	1200				120	1.41e+06	9.19e+05
PCB-151	8.94e+06	1.27	y	37:51	0.93	1010	-	-	*			
PCB-135	4.89e+06	1.27	y	38:04	0.95	542	-	-	*			
PCB-144	2.08e+06	1.27	y	38:11	0.96	230	-	-	*			
PCB-147	8.95e+05	1.27	y	38:18	1.01	94.1	-	-	*			
PCB-139	3.57e+07	1.26	y	38:32	1.01	3730	-	-	*	Co-elute PCB 149		
PCB-149	3.57e+07	1.26	y	38:32	1.01	3730	-	-	*	Co-elute PCB 139		
PCB-140	3.15e+05	1.25	y	38:44	1.04	32.1	-	-	*			
PCB-143	1.98e+06	1.29	y	39:09	0.87	241	-	-	*	Co-elute PCB 134		
PCB-134	1.98e+06	1.29	y	39:09	0.87	241	-	-	*	Co-elute PCB 143		
PCB-131	1.11e+06	1.31	y	39:25	0.88	133	-	-	*	Co-elute PCB 133		
PCB-133	1.11e+06	1.31	y	39:25	0.88	133	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	620	520	1.60			
PCB-165	7.01e+06	1.25	y	39:47	1.14	649	-	-	*	Co-elute PCB 146		
PCB-146	7.01e+06	1.25	y	39:47	1.14	649	-	-	*	Co-elute PCB 165		
PCB-161	1.25e+07	1.24	y	40:03	1.11	1190	-	-	*	Co-elute PCB 132		
PCB-132	1.25e+07	1.24	y	40:03	1.11	1190	-	-	*	Co-elute PCB 161		
PCB-153	4.82e+07	1.26	y	40:10	1.12	4540	-	-	*			
PCB-168	*	*	n	NotFnd	1.25	*	620	520	1.14			
PCB-141	7.10e+06	1.24	y	40:52	0.97	773	-	-	*			
PCB-137	1.65e+06	1.32	y	41:14	1.02	172	-	-	*			
PCB-130	2.55e+06	1.29	y	41:19	0.82	331	-	-	*			
PCB-138	5.14e+07	1.28	y	41:40	1.14	4760	-	-	*	Co-elute PCB 163/164		
PCB-163	5.14e+07	1.28	y	41:40	1.14	4760	-	-	*	Co-elute PCB 138/164		
PCB-164	5.14e+07	1.28	y	41:40	1.14	4760	-	-	*	Co-elute PCB 138/163		
PCB-158	5.78e+06	1.25	y	41:53	1.26	485	-	-	*	Co-elute PCB 160		
PCB-160	5.78e+06	1.25	y	41:53	1.26	485	-	-	*	Co-elute PCB 158		
PCB-129	1.54e+06	1.24	y	42:08	0.83	195	-	-	*			
PCB-166	1.49e+05	1.21	y	42:34	1.22	12.9	-	-	*			
PCB-159	5.00e+05	1.15	y	42:56	1.28	41.3	-	-	*			
PCB-128	7.05e+06	1.27	y	43:07	1.08	693	-	-	*	Co-elute PCB 162		
PCB-162	7.05e+06	1.27	y	43:07	1.08	693	-	-	*	Co-elute PCB 128		
PCB-167	2.19e+06	1.31	y	43:30	1.19	195	-	-	*			
13C-PCB-167	9.48e+06	1.33	y	43:30	1.13	1030				103	1.06e+06	7.93e+05
PCB-156	5.59e+06	1.26	y	44:44	1.21	481	-	-	*			
13C-PCB-156	9.56e+06	1.30	y	44:43	1.09	1070				108	1.11e+06	9.04e+05
PCB-157	1.15e+06	1.29	y	44:59	1.19	99.9	-	-	*			
13C-PCB-157	9.60e+06	1.26	y	44:58	1.09	1070				108	1.07e+06	8.42e+05
PCB-169	*	*	n	NotFnd	1.12	*	620	520	1.13			
13C-PCB-169	9.11e+06	1.30	y	46:50	1.04	1070				107	1.31e+06	9.59e+05

FAL ID: 13416-012-0001-SA Filename: 10NOV20Z Sam:4 Acquired: 10-NOV-20 10:23:52 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-CC-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.02

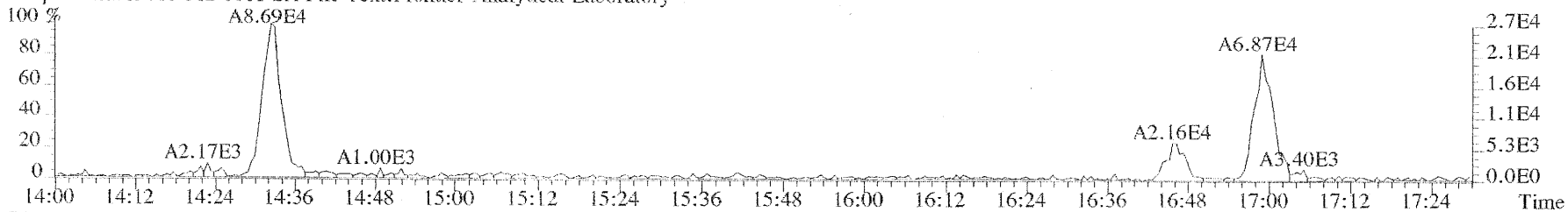
PCB-188	4.02e+04	1.09	y	39:48	1.09	4.47	-	-	*			
13C-PCB-188	8.22e+06	1.08	y	39:47	1.06	946				94.8	9.77e+05	9.07e+05
PCB-184	*	*	n	NotFnd	1.27	*	423	404	0.908			
PCB-179	5.37e+06	1.04	y	40:57	1.20	617	-	-	*			
PCB-176	1.85e+06	1.05	y	41:24	1.15	221	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	423	404	0.984			
PCB-178	1.99e+06	1.08	y	42:26	0.84	324	-	-	*			
PCB-175	4.63e+05	1.08	y	42:46	0.88	71.9	-	-	*			
PCB-187	1.30e+07	1.05	y	42:56	0.93	1920	-	-	*	Co-elute PCB 182		
PCB-182	1.30e+07	1.05	y	42:56	0.93	1920	-	-	*	Co-elute PCB 187		
PCB-183	6.48e+06	1.06	y	43:14	0.94	945	-	-	*			
PCB-185	1.05e+06	1.02	y	43:52	0.87	166	-	-	*			
PCB-174	9.14e+06	1.05	y	44:12	0.79	1580	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	423	404	1.24			
PCB-177	5.28e+06	1.06	y	44:28	0.82	887	-	-	*			
PCB-171	2.77e+06	1.01	y	44:44	0.87	436	-	-	*			
PCB-173	1.91e+05	1.08	y	45:09	0.76	34.4	-	-	*			
PCB-172	1.52e+06	1.11	y	45:32	0.80	261	-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*	423	404	1.09			
PCB-180	1.99e+07	1.04	y	45:52	0.82	3320	-	-	*			
PCB-193	1.27e+06	1.05	y	46:02	1.13	154	-	-	*			
PCB-191	4.69e+05	1.08	y	46:15	1.14	56.6	-	-	*			
PCB-170	8.25e+06	1.05	y	47:09	0.78	1450	-	-	*			
PCB-190	2.26e+06	1.04	y	47:19	1.05	295	-	-	*			
PCB-189	4.42e+05	1.03	y	48:30	1.09	64.1	-	-	*			
13C-PCB-189	6.33e+06	1.12	y	48:28	0.89	868				87.0	8.49e+05	8.17e+05
PCB-202	1.18e+06	0.96	y	44:54	1.11	181	-	-	*			
PCB-201	7.88e+05	0.92	y	45:22	1.20	112	-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*	404	440	1.34			
PCB-197	2.27e+05	0.90	y	45:45	1.27	30.4	-	-	*			
PCB-200	6.84e+05	0.87	y	46:30	1.24	94.1	-	-	*			
PCB-198	3.17e+05	0.90	y	47:41	0.90	59.6	-	-	*			
PCB-199	3.80e+06	0.92	y	47:46	0.84	772	-	-	*			
PCB-203	4.69e+06	0.95	y	48:00	0.96	831	-	-	*	Co-elute PCB 196		
PCB-196	4.69e+06	0.95	y	48:00	0.96	831	-	-	*	Co-elute PCB 203		
13C-PCB-202	5.86e+06	0.93	y	44:54	0.75	951				95.3	6.36e+05	6.78e+05
13C-PCB-178	5.95e+06	1.06	y	42:25	0.80	904				90.6	6.61e+05	6.34e+05
13C-PCB-138	8.17e+06	1.30	y	41:38	-	2.25						
PCB-195	2.25e+06	0.93	y	49:05	0.88	369	-	-	*			
PCB-194	5.30e+06	0.90	y	49:53	0.87	888	-	-	*			
PCB-205	3.66e+05	0.83	y	50:08	1.08	49.1	-	-	*			
13C-PCB-205	6.87e+06	0.89	y	50:07	1.26	940				94.2	8.61e+05	9.92e+05
PCB-208	8.27e+05	1.38	y	49:13	1.08	108	-	-	*			
13C-PCB-208	7.05e+06	0.85	y	49:12	1.27	952				95.4	1.06e+06	1.26e+06
PCB-207	3.81e+05	1.25	y	49:30	1.25	52.1	-	-	*			
PCB-206	2.12e+06	1.31	y	51:20	1.11	415	-	-	*			
13C-PCB-206	4.59e+06	0.80	y	51:19	0.87	912				91.4	6.17e+05	7.71e+05
PCB-209	8.75e+05	1.20	y	52:31	1.19	155	-	-	*			
13C-PCB-209	4.71e+06	1.21	y	52:30	1.01	803				80.5	6.85e+05	5.74e+05
13C-PCB-194	5.81e+06	0.93	y	49:52	-	2.00						

Analyst: _____ Date: 11/10/20

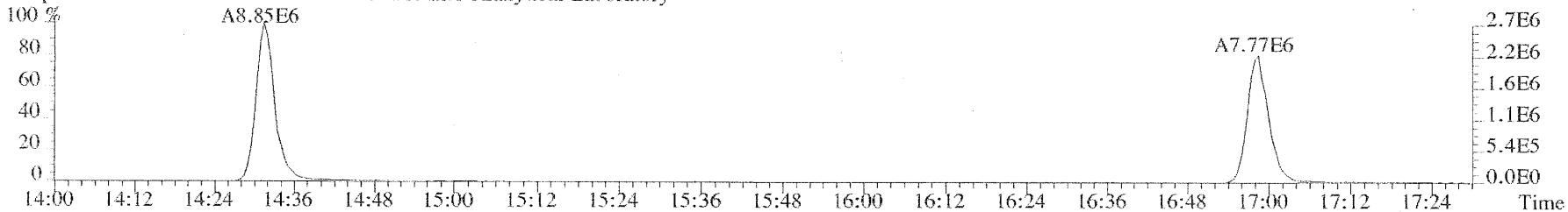
File:10NOV20Z #1-783 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



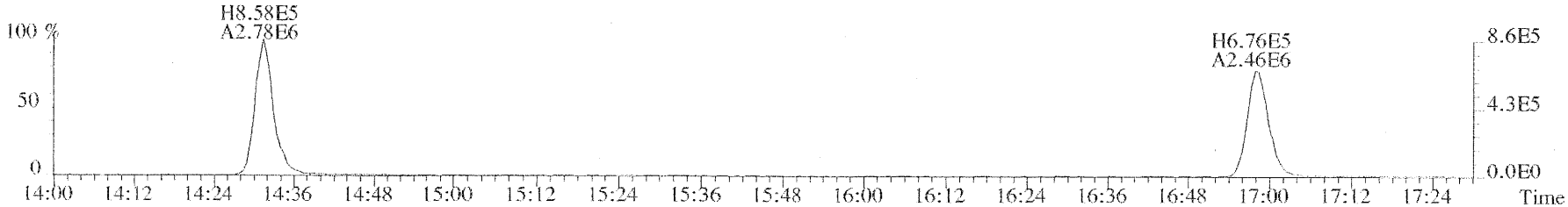
File:10NOV20Z #1-783 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



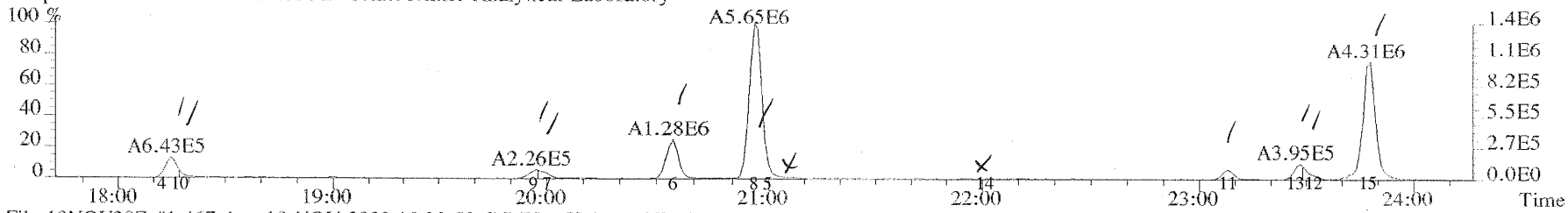
File:10NOV20Z #1-783 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



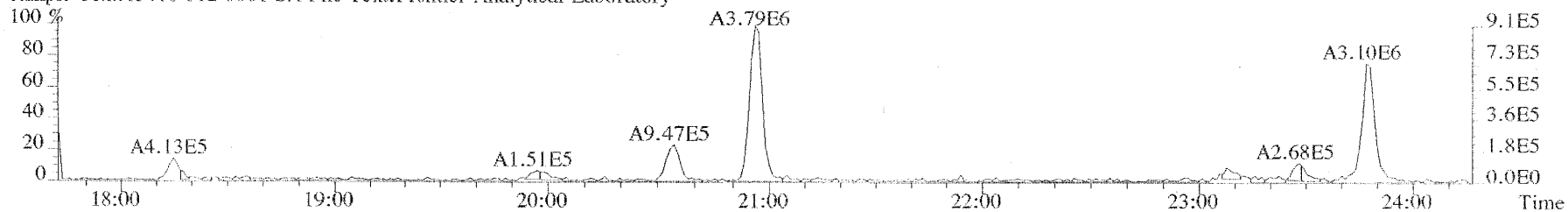
File:10NOV20Z #1-783 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



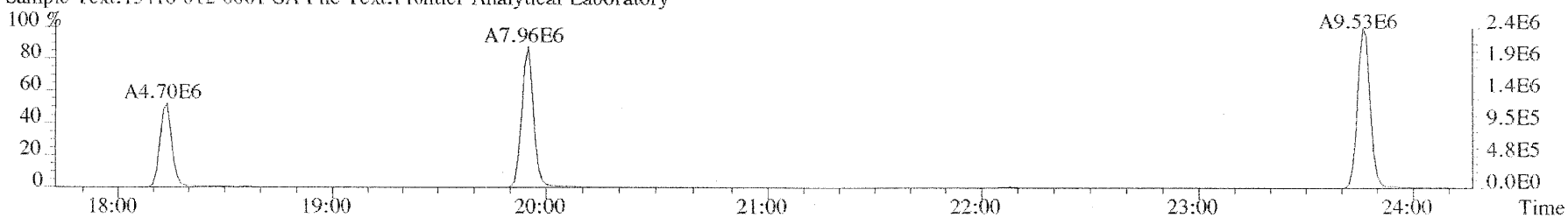
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



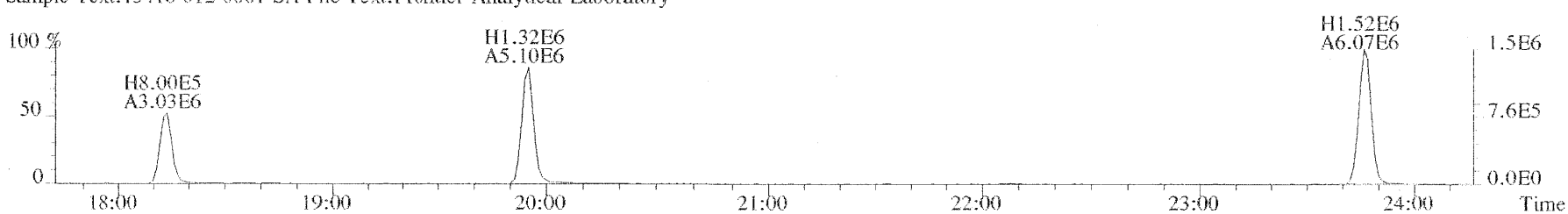
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



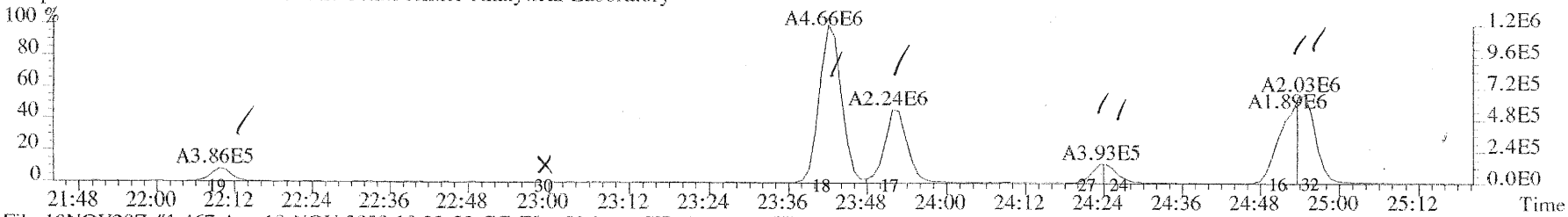
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



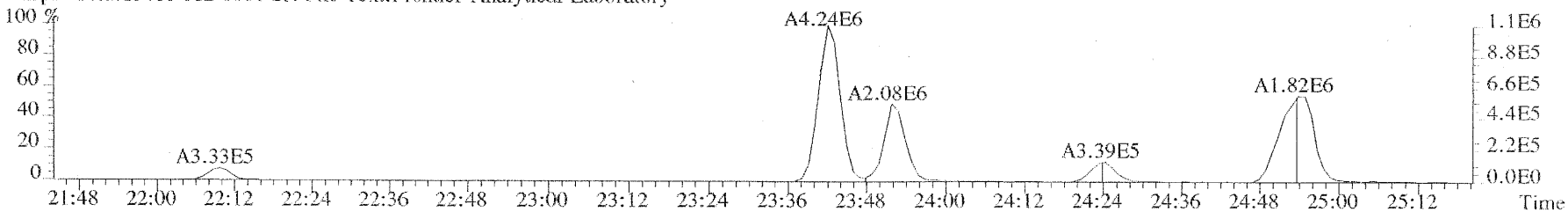
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



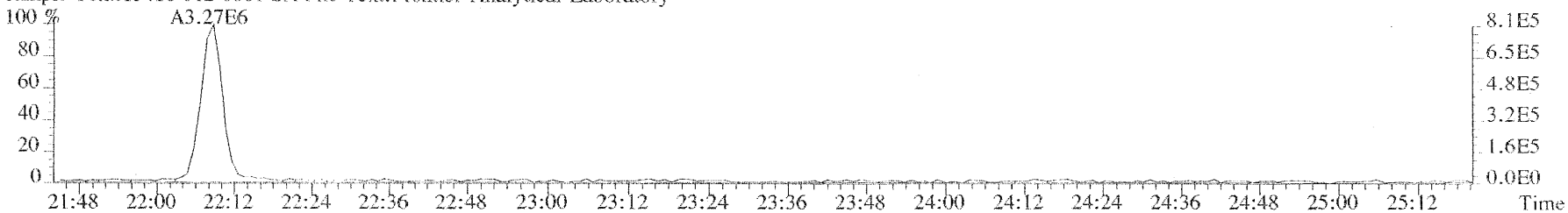
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



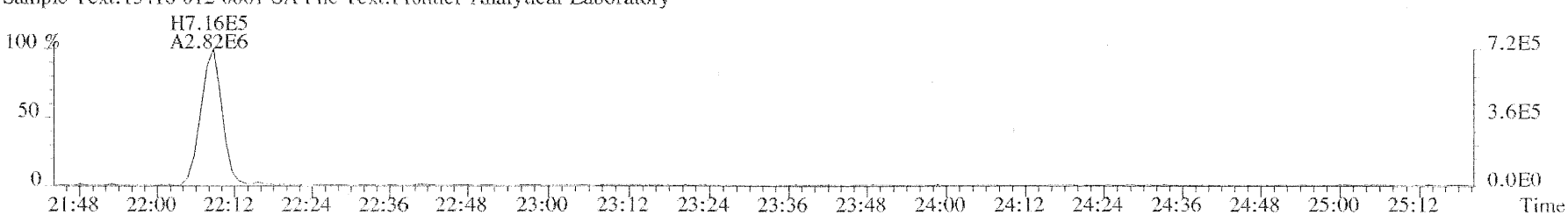
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



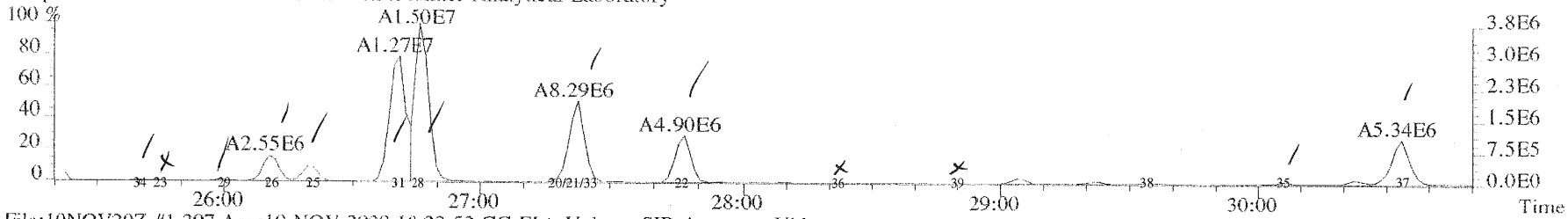
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



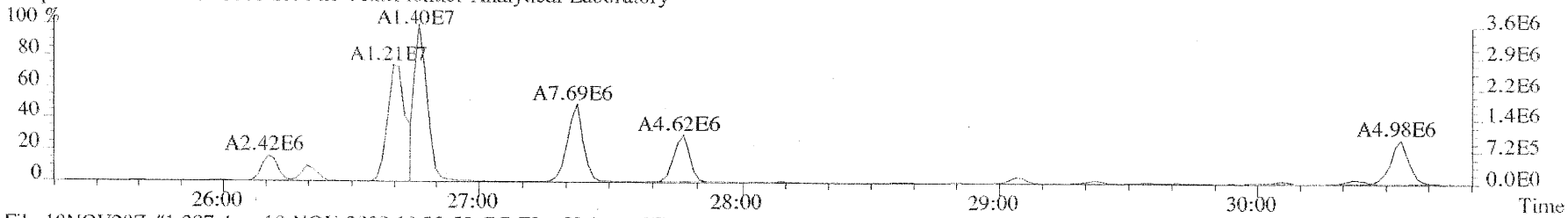
File:10NOV20Z #1-467 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



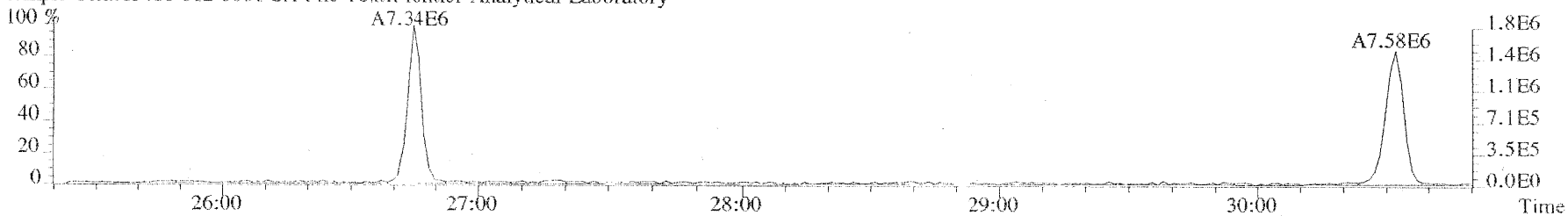
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



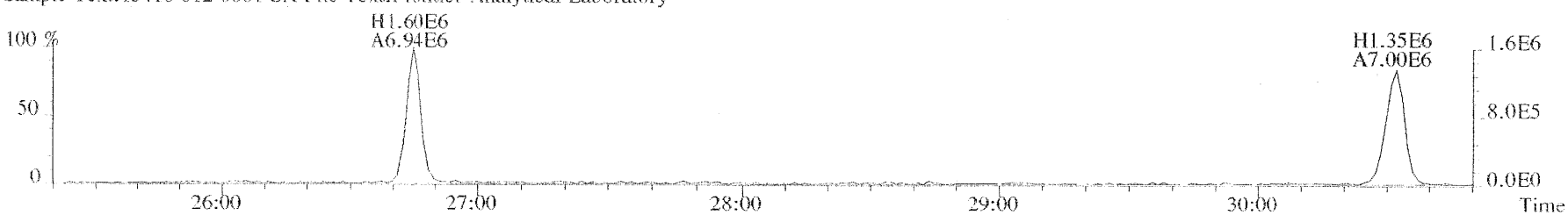
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



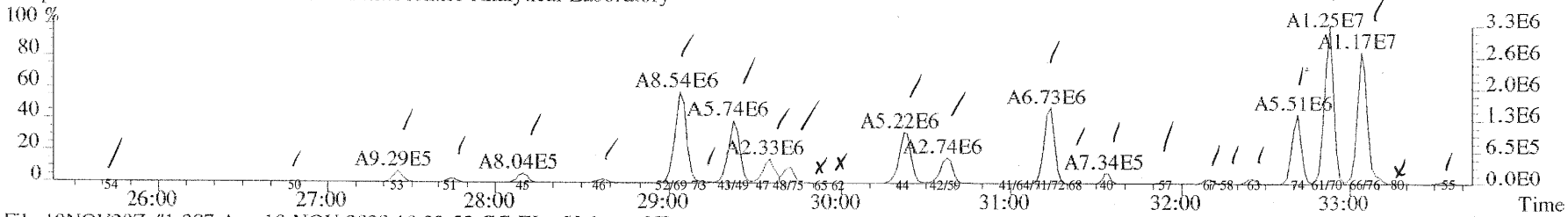
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



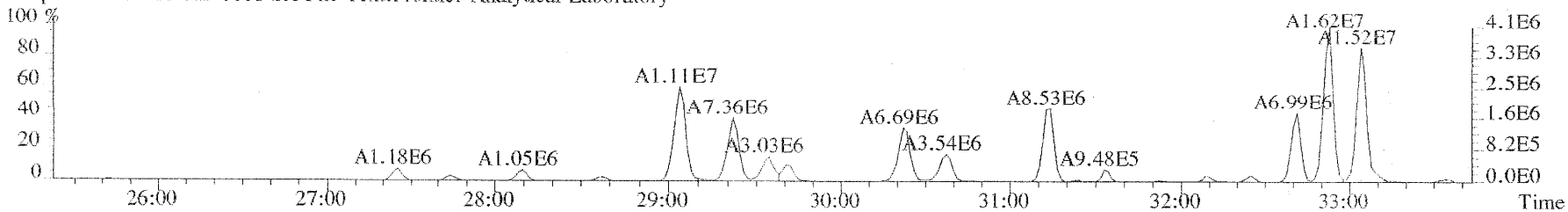
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



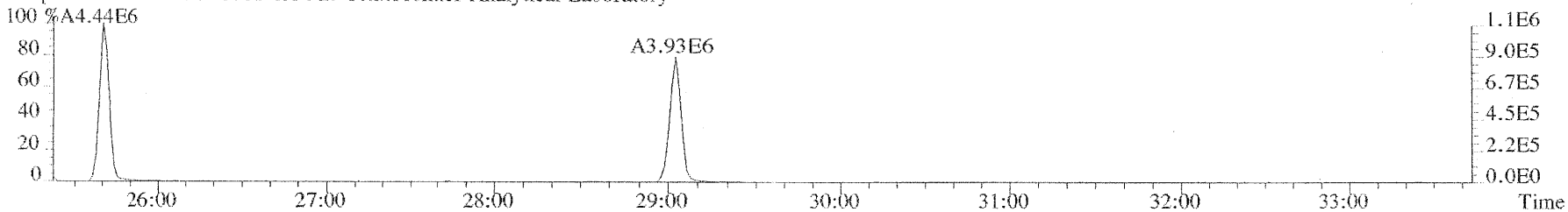
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



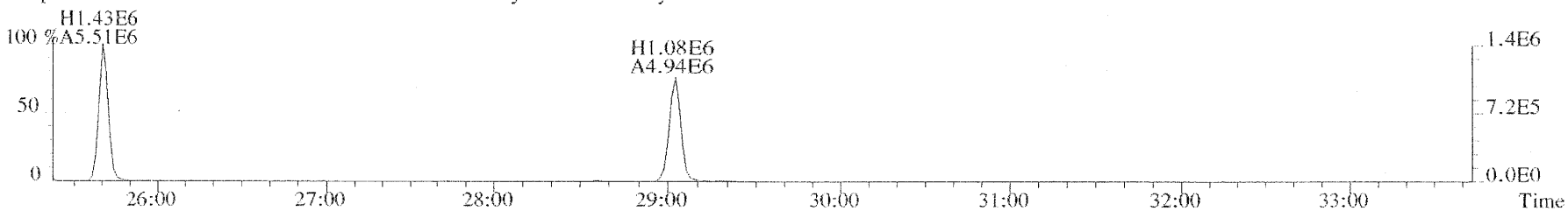
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



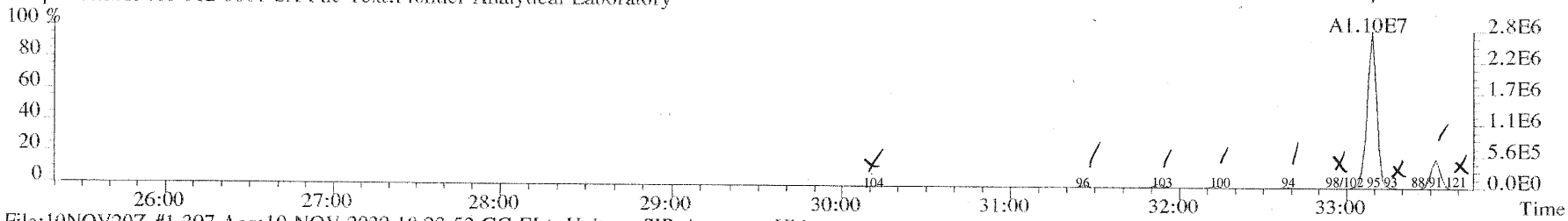
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



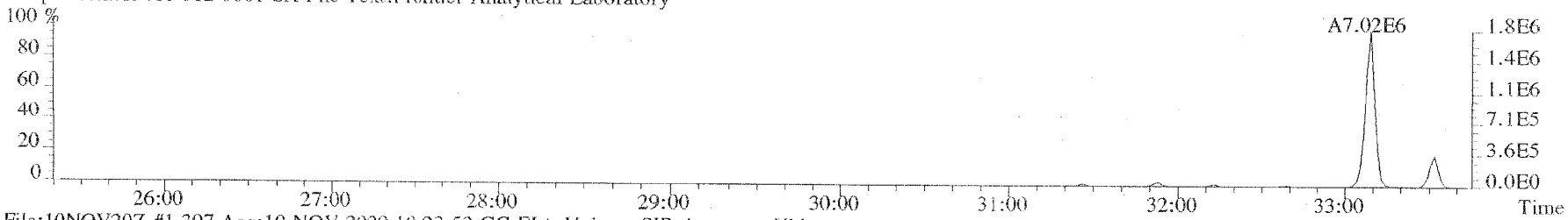
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



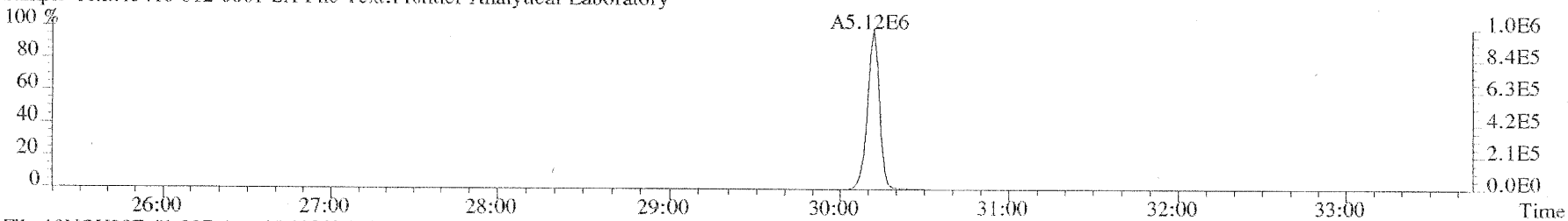
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



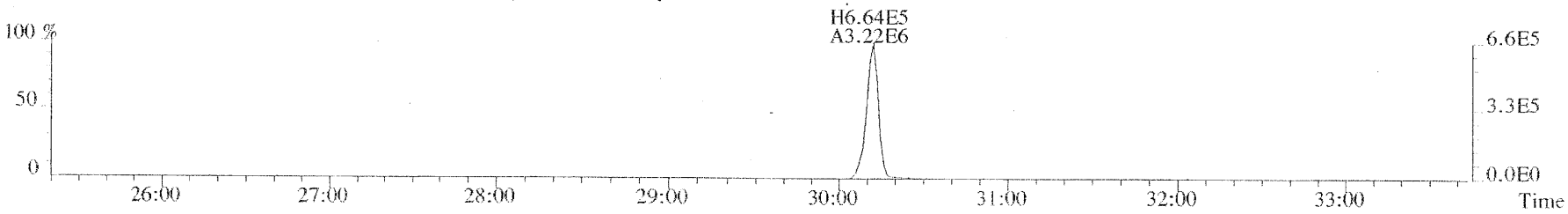
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



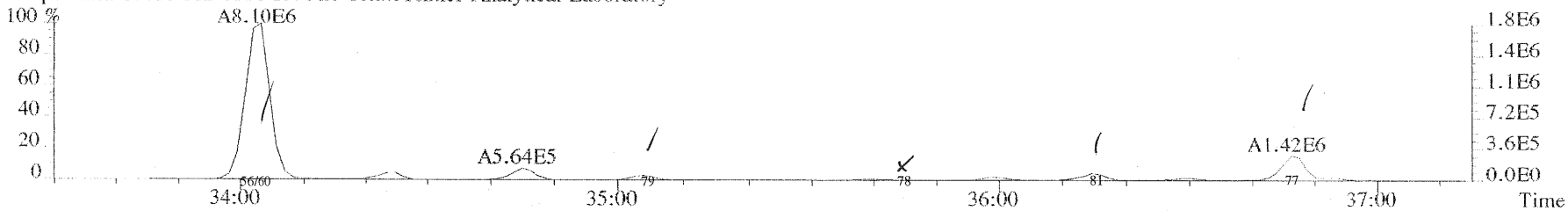
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



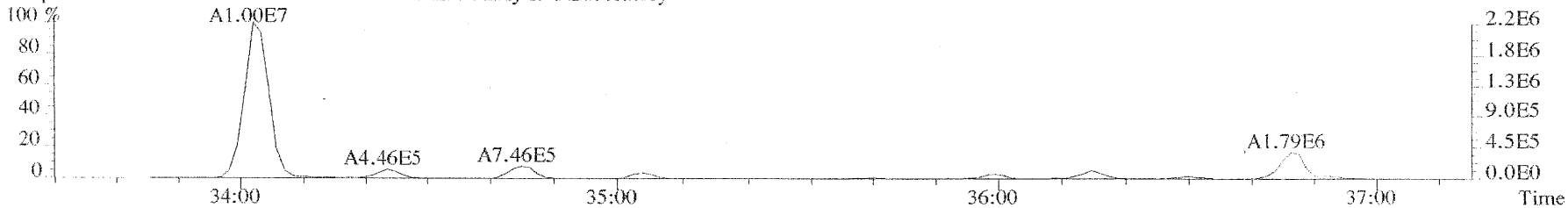
File:10NOV20Z #1-397 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



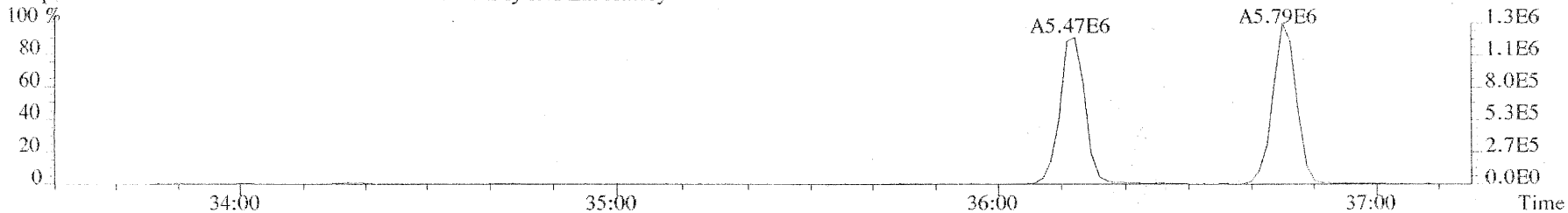
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



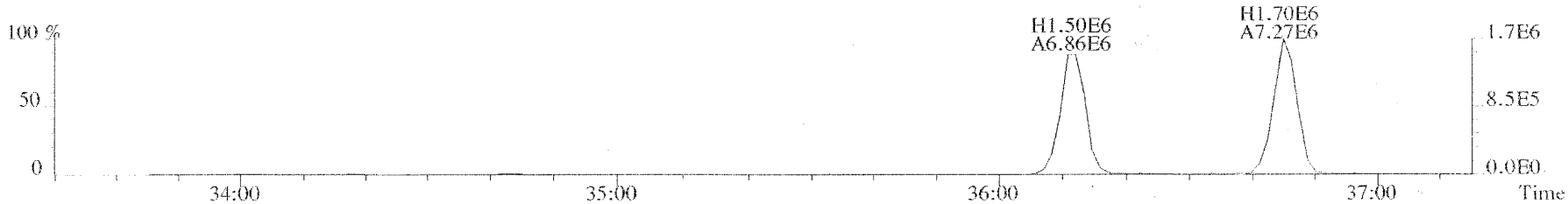
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



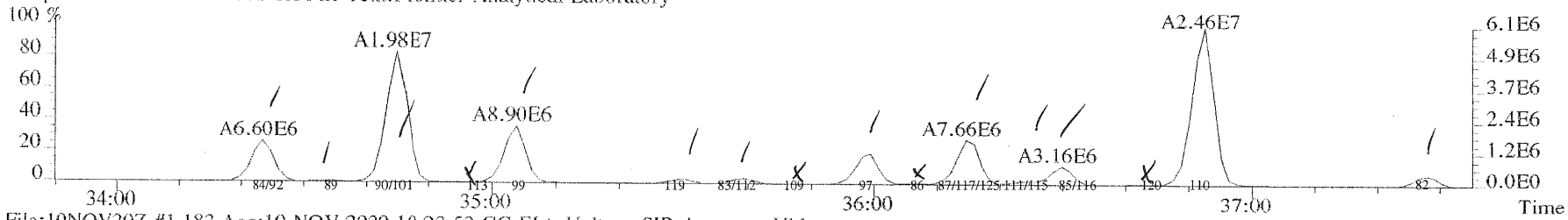
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



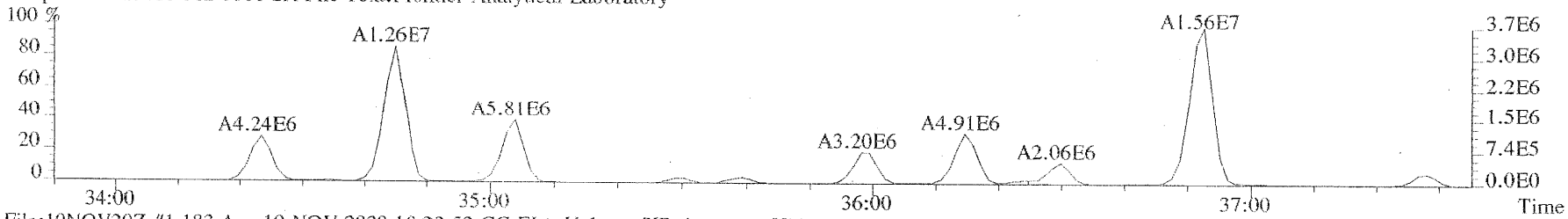
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



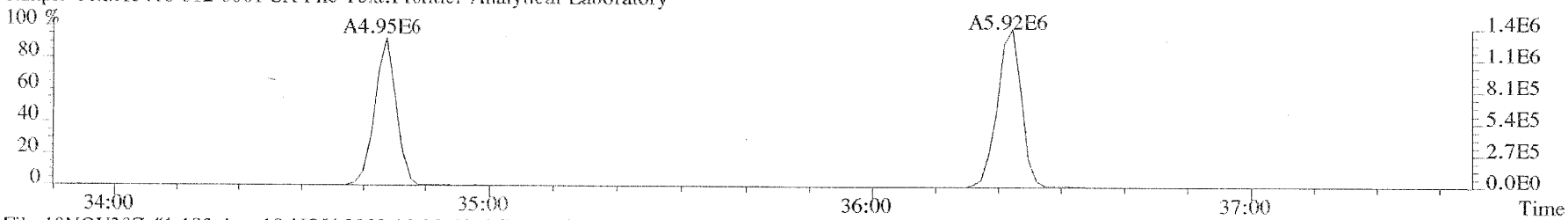
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



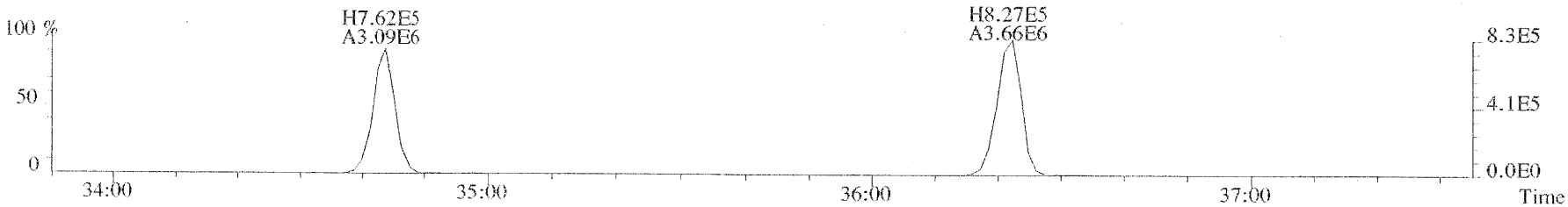
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



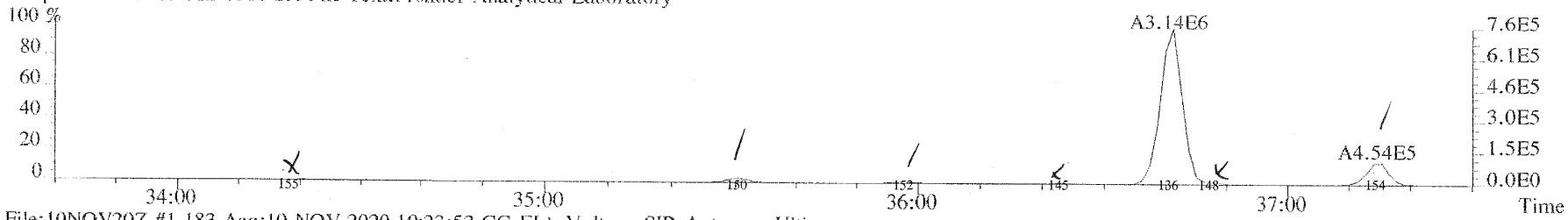
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



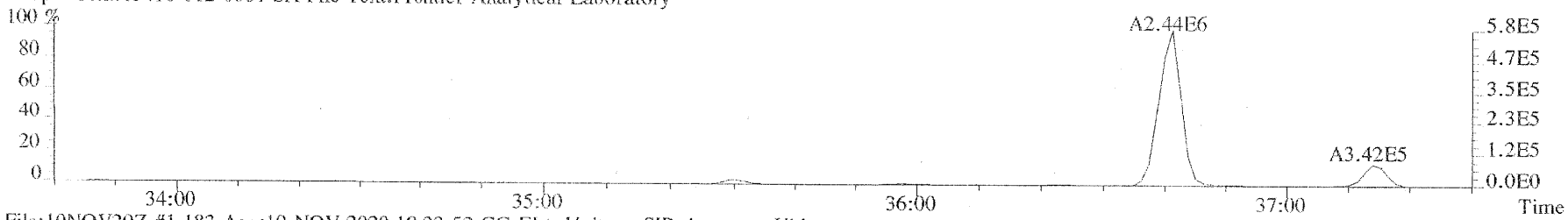
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



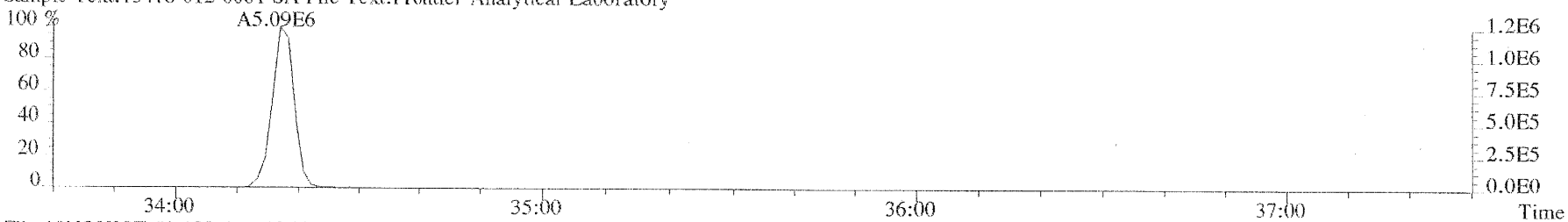
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



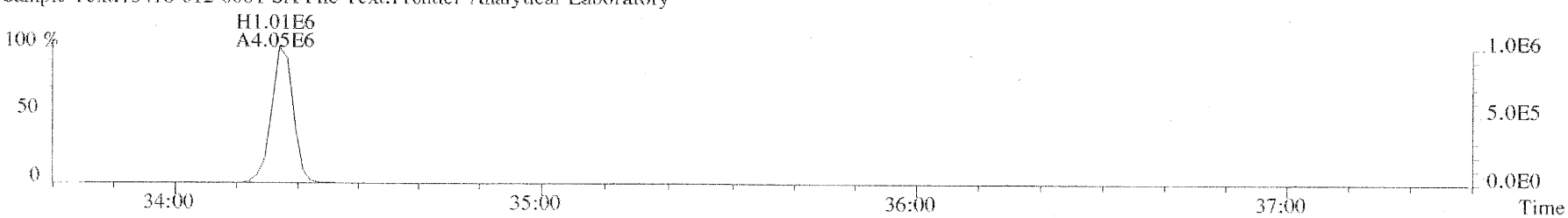
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



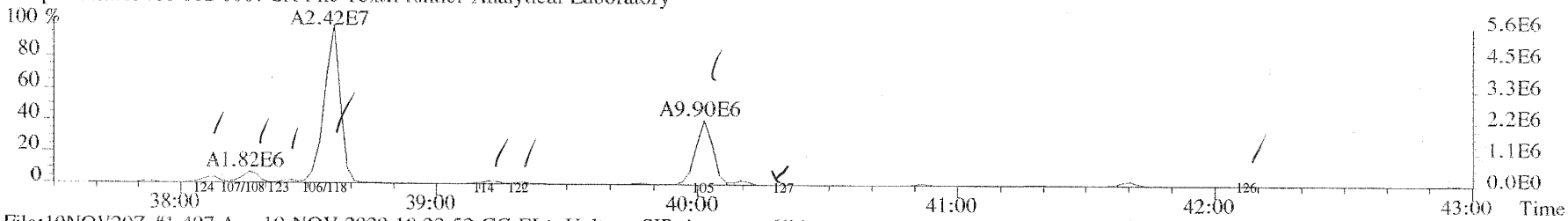
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



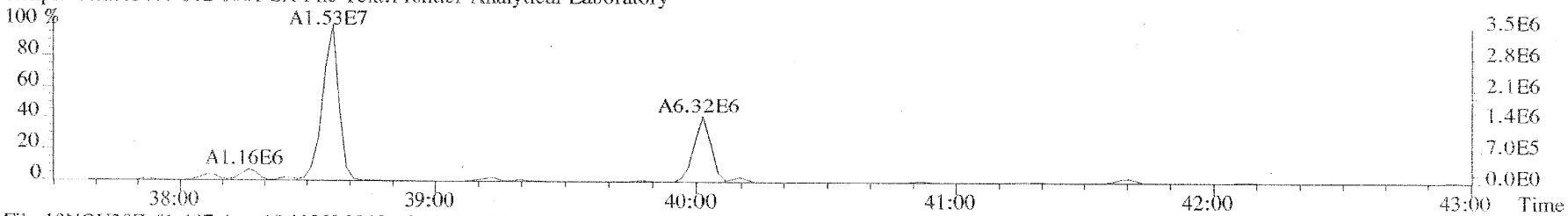
File:10NOV20Z #1-183 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



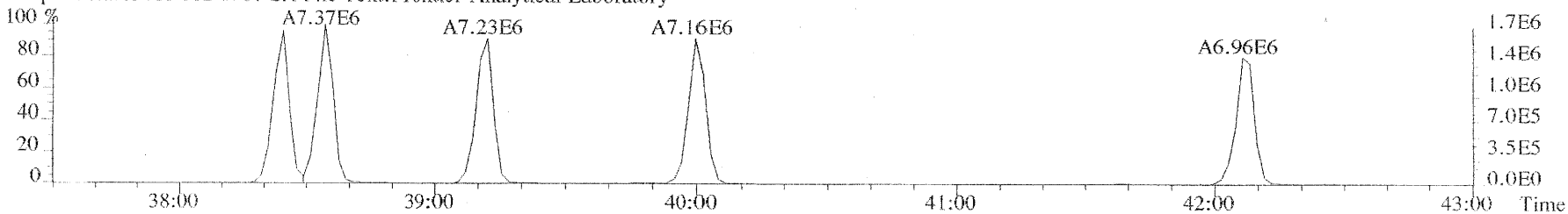
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



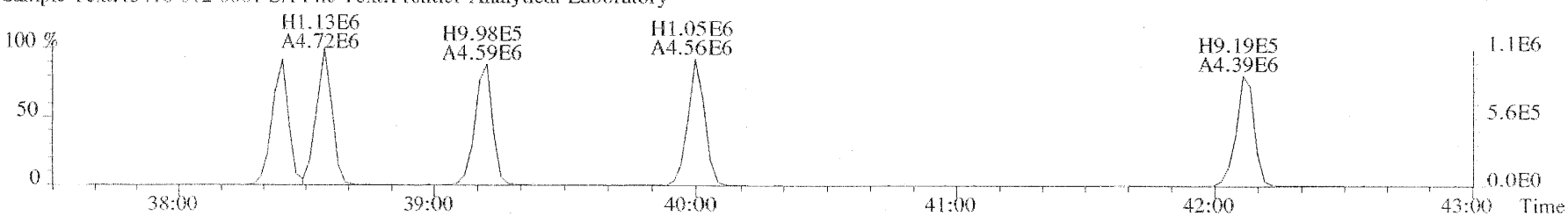
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



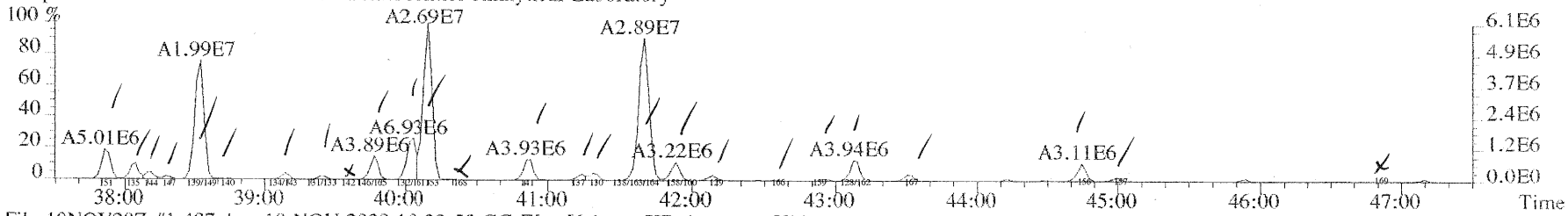
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



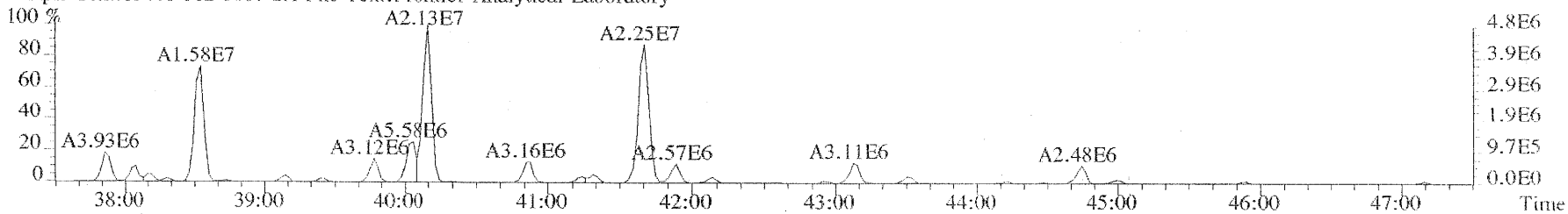
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



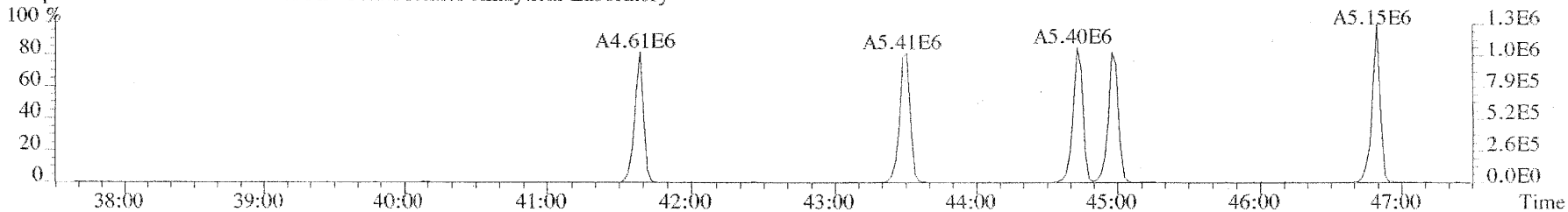
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



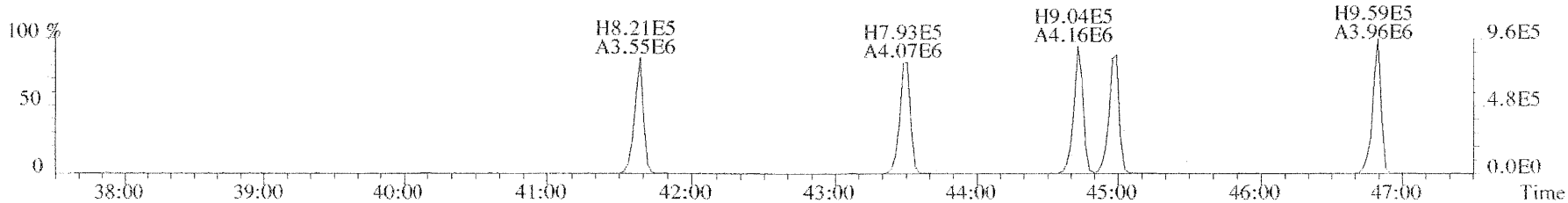
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



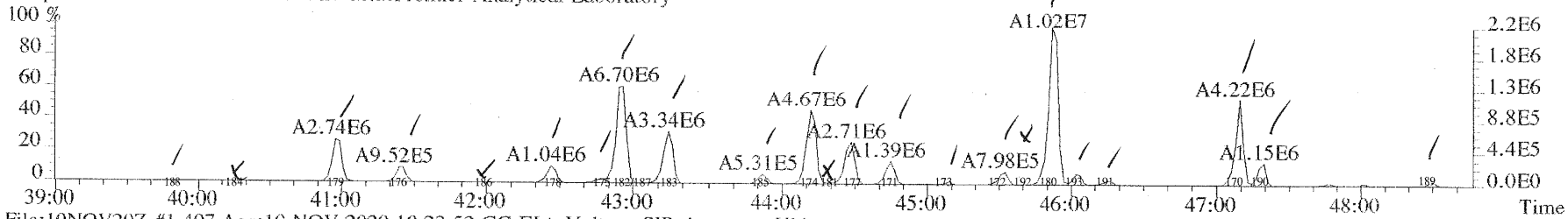
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



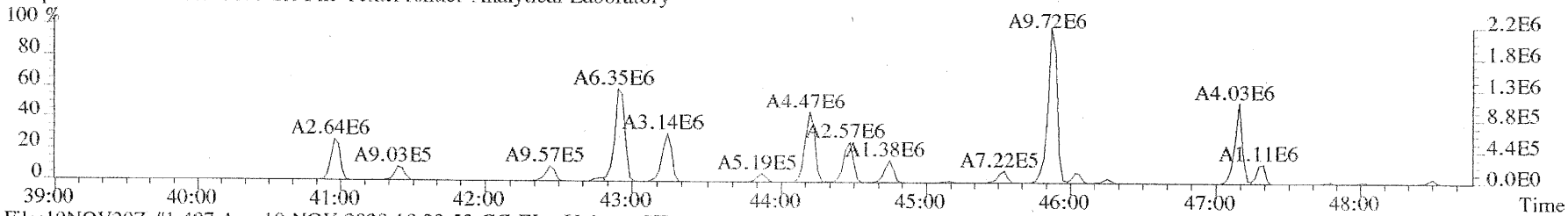
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



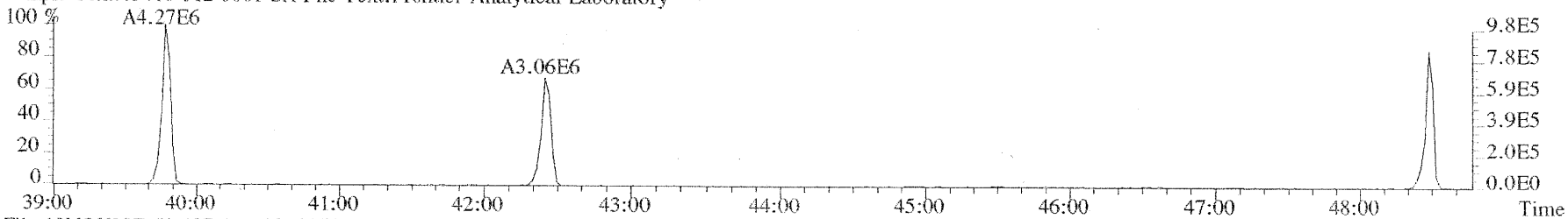
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



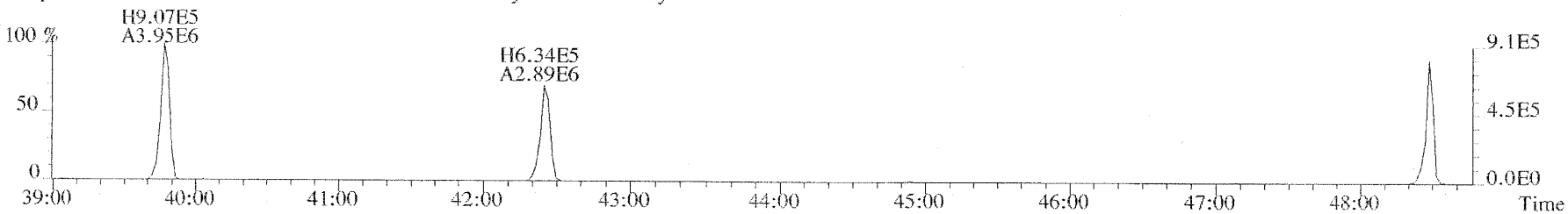
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



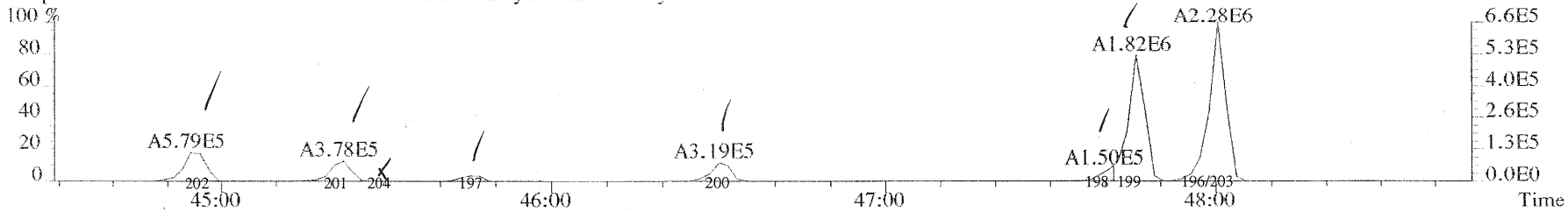
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



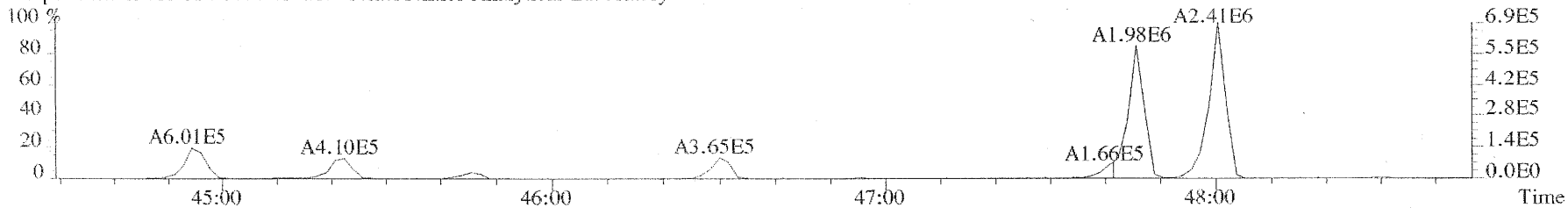
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



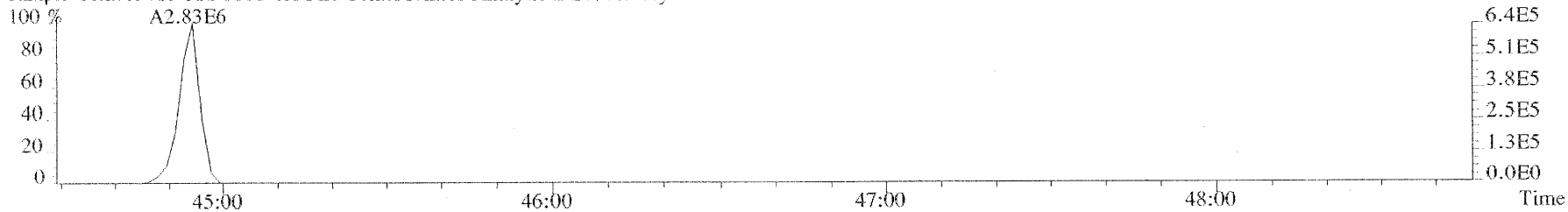
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



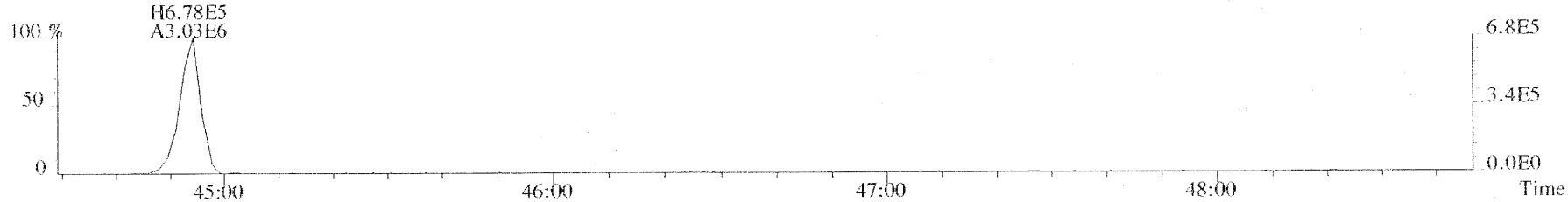
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



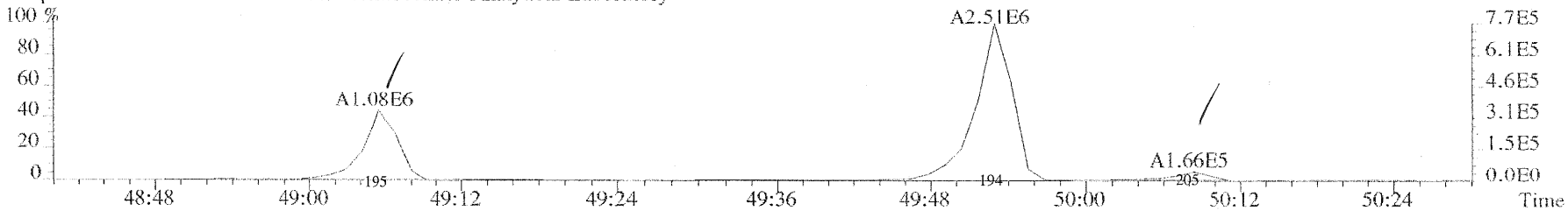
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



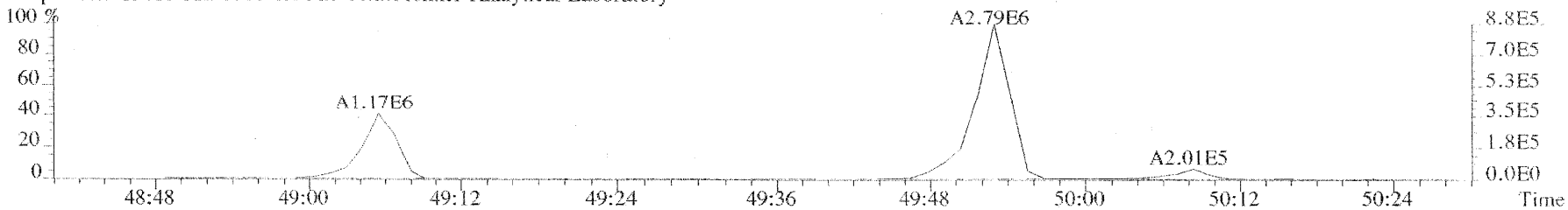
File:10NOV20Z #1-407 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



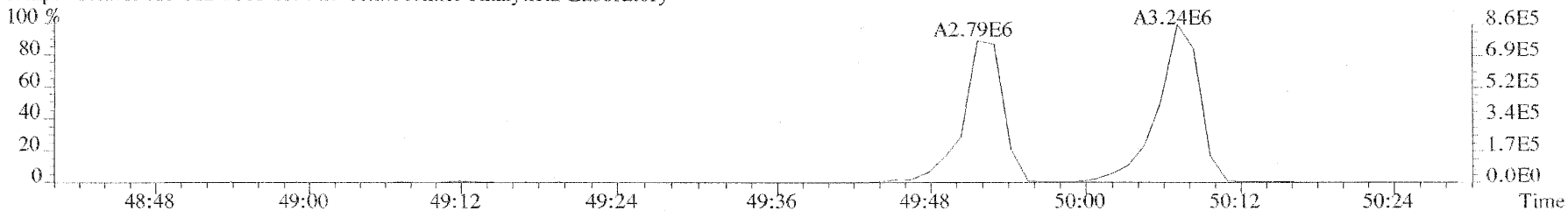
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



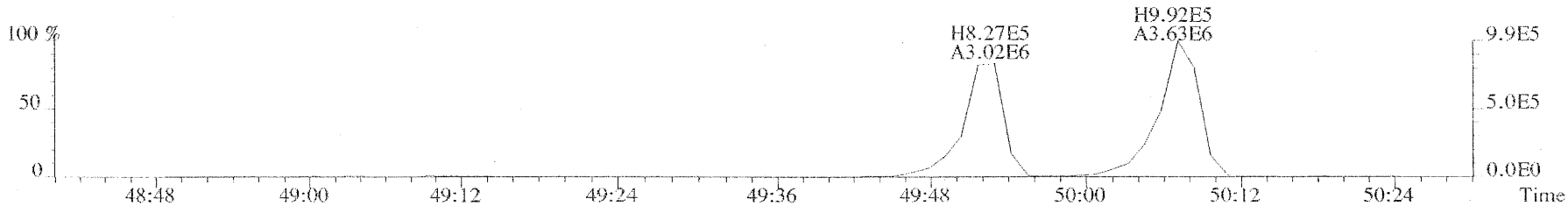
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



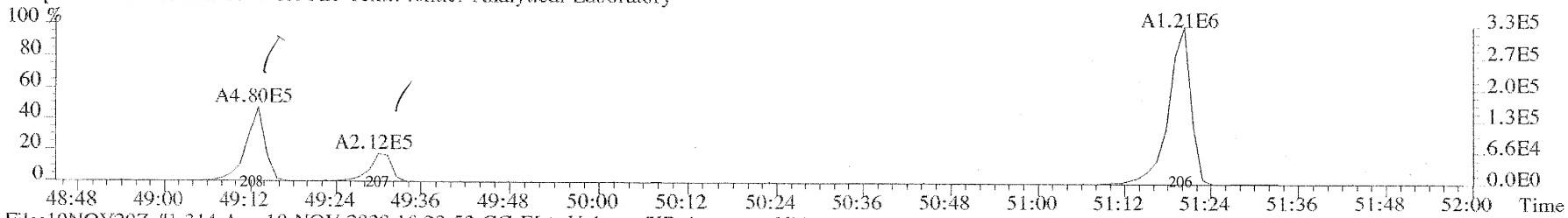
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



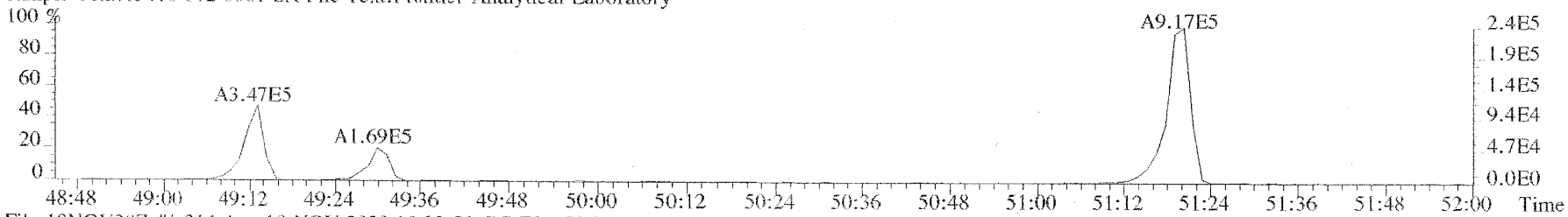
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



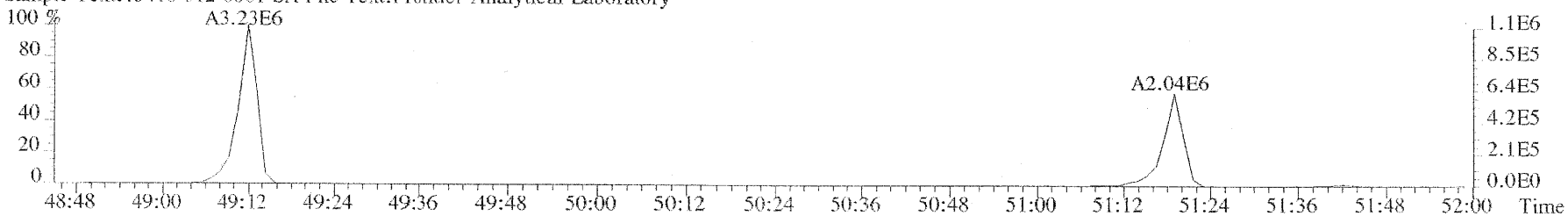
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



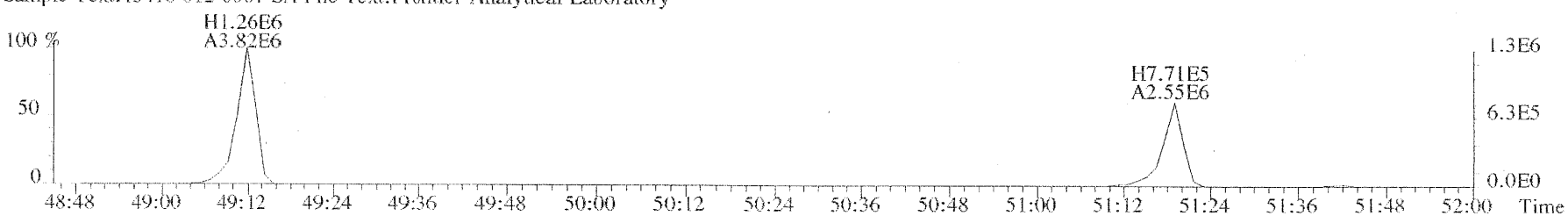
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



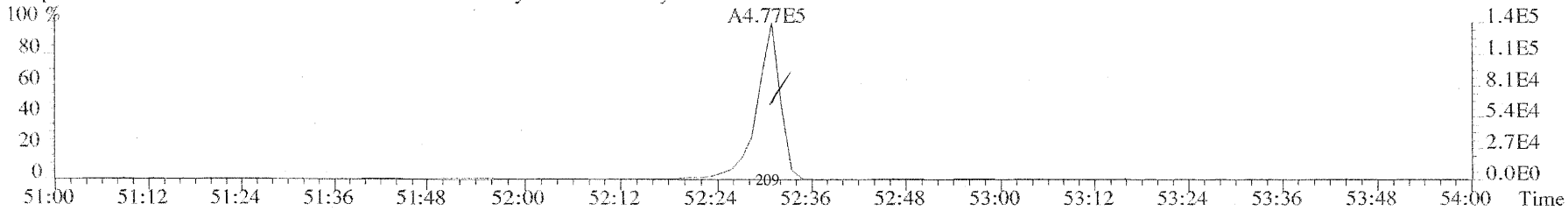
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



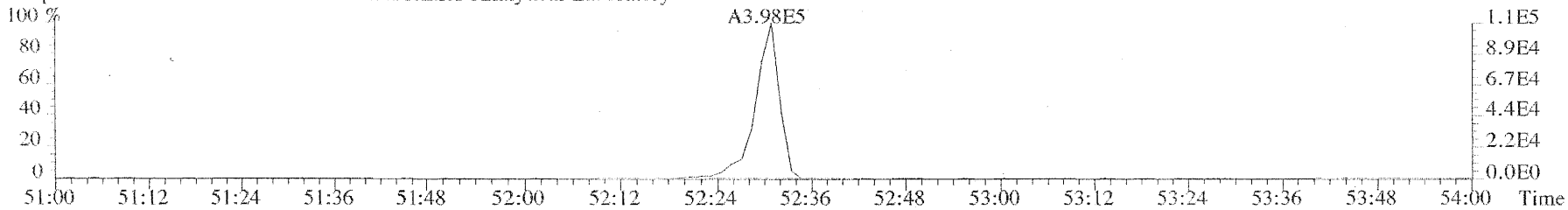
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



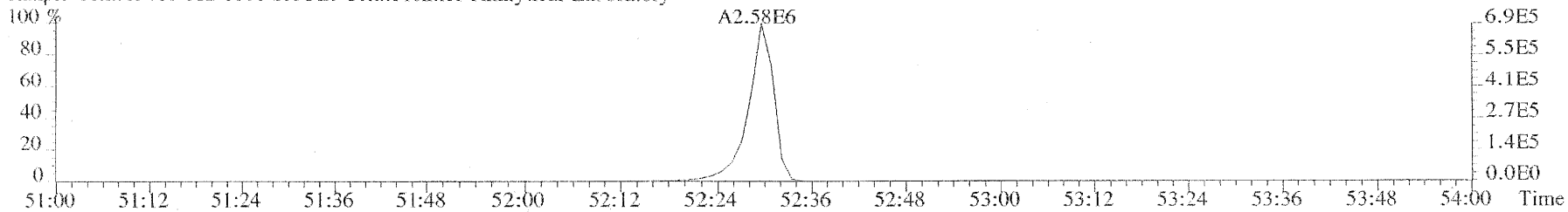
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



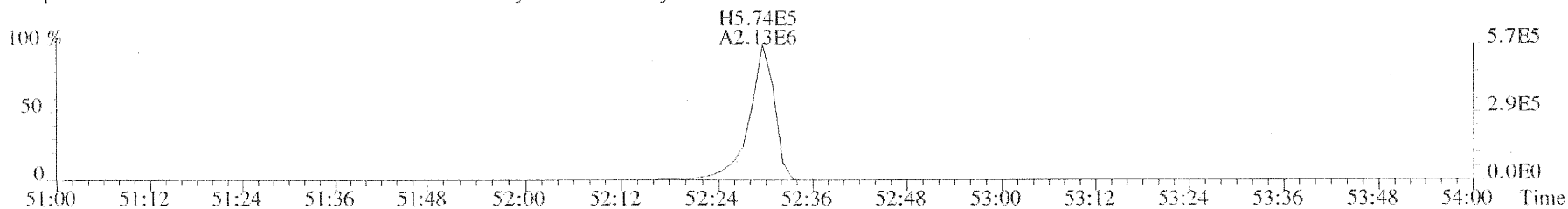
File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-012-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 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:13416-012-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 10:23:52 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:13416-012-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-013-0001-SA Filename: 10NOV20Z Sam:5 Acquired: 10-NOV-20 11:22:13 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-CD-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	4.50e+05	3.13 y	14:32	1.23	29.2		-	-	*			
13C-PCB-1	1.25e+07	3.18 y	14:31	0.89	800					80.2	2.77e+06	8.65e+05
PCB-2	1.29e+05	2.91 y	16:46	1.25	8.24		-	-	*			
PCB-3	3.99e+05	3.11 y	16:59	1.21	26.3		-	-	*			
13C-PCB-3	1.25e+07	3.20 y	16:58	0.87	819					82.1	2.66e+06	7.99e+05
PCB-4	1.73e+06	1.47 y	18:15	0.97	176		-	-	*			
PCB-10	2.22e+05	1.46 y	18:18	1.52	10.5		-	-	*			
13C-PCB-4	1.00e+07	1.57 y	18:14	0.65	876					87.8	1.68e+06	1.05e+06
PCB-9	5.00e+05	1.58 y	19:57	1.41	25.5		-	-	*			
PCB-7	5.68e+05	1.63 y	19:58	1.43	28.6		-	-	*			
PCB-6	2.80e+06	1.49 y	20:34	1.32	152		-	-	*			
PCB-8	1.32e+07	1.47 y	20:56	1.38	690		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		670	2440	1.55			
PCB-14	*	* n	NotFnd	1.39	*		670	2440	1.50			
PCB-11	6.14e+05	1.47 y	23:08	1.24	35.7		-	-	*			
PCB-13	6.00e+05	1.61 y	23:28	1.29	33.4		-	-	*			
PCB-12	6.59e+05	1.65 y	23:29	1.32	36.0		-	-	*			
PCB-15	9.10e+06	1.44 y	23:48	1.18	434		-	-	*			
13C-PCB-15	1.77e+07	1.58 y	23:46	0.96	1050					105	2.86e+06	1.86e+06
PCB-19	9.40e+05	1.12 y	22:10	1.35	101		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1560	752	1.56			
PCB-18	1.10e+07	1.10 y	23:42	1.34	1190		-	-	*			
PCB-17	5.30e+06	1.10 y	23:52	1.48	518		-	-	*			
PCB-27	7.45e+05	1.18 y	24:23	1.94	55.7		-	-	*			
PCB-24	8.72e+05	1.03 y	24:24	1.93	65.4		-	-	*			
PCB-16	4.01e+06	1.10 y	24:53	1.64	355		-	-	*			
PCB-32	5.04e+06	1.10 y	24:55	1.69	431		-	-	*			
13C-PCB-19	6.90e+06	1.11 y	22:09	0.45	882					88.4	9.42e+05	8.92e+05
13C-PCB-9	1.75e+07	1.58 y	19:55	-	2.42							
PCB-34	1.69e+05	1.05 y	25:40	1.27	9.13		-	-	*			
PCB-23	4.13e+04	0.99 y	25:45	1.31	2.16		-	-	*			
PCB-29	2.43e+05	1.08 y	25:59	1.30	12.8		-	-	*			
PCB-26	6.00e+06	1.05 y	26:11	1.22	337		-	-	*			
PCB-25	3.53e+06	1.06 y	26:19	1.21	200		-	-	*			
PCB-31	2.95e+07	1.04 y	26:41	1.18	1710		-	-	*			
PCB-28	3.48e+07	1.08 y	26:46	1.51	1580		-	-	*			
PCB-20	1.88e+07	1.09 y	27:23	1.21	1060		-	-	*		Co-elute PCB 21/33	
PCB-21	1.88e+07	1.09 y	27:23	1.21	1060		-	-	*		Co-elute PCB 20/33	
PCB-33	1.88e+07	1.09 y	27:23	1.21	1060		-	-	*		Co-elute PCB 20/21	
PCB-22	1.17e+07	1.05 y	27:47	1.40	575		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		870	840	1.15			
PCB-39	*	* n	NotFnd	1.21	*		870	840	1.17			
PCB-38	*	* n	NotFnd	1.17	*		870	840	1.21			
PCB-35	5.39e+05	1.16 y	30:06	1.14	32.5		-	-	*			
PCB-37	1.05e+07	1.07 y	30:34	1.20	603		-	-	*			
13C-PCB-37	1.46e+07	1.05 y	30:32	1.40	1100					110	1.56e+06	1.45e+06

PCB-54	6.09e+04	0.82	y	25:41	1.24	4.92	-	-	*			
PCB-50	5.91e+04	0.76	y	26:48	0.92	6.47	-	-	*			
PCB-53	2.30e+06	0.77	y	27:25	0.91	252	-	-	*			
PCB-51	8.92e+05	0.80	y	27:44	0.98	91.1	-	-	*			
PCB-45	2.06e+06	0.74	y	28:09	0.79	260	-	-	*			
PCB-46	7.90e+05	0.82	y	28:37	0.78	102	-	-	*			
PCB-52	2.05e+07	0.79	y	29:04	0.91	2260	-	-	*	Co-elute PCB 69		
PCB-69	2.05e+07	0.79	y	29:04	0.91	2260	-	-	*	Co-elute PCB 52		
PCB-73	2.53e+05	0.72	y	29:10	1.23	20.7	-	-	*			
PCB-43	1.32e+07	0.79	y	29:21	0.82	1600	-	-	*	Co-elute PCB 49		
PCB-49	1.32e+07	0.79	y	29:21	0.82	1600	-	-	*	Co-elute PCB 43		
PCB-47	5.29e+06	0.81	y	29:34	0.90	588	-	-	*			
PCB-48	3.48e+06	0.82	y	29:40	1.05	331	-	-	*	Co-elute PCB 75		
PCB-75	3.48e+06	0.82	y	29:40	1.05	331	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	756	910	1.43			
PCB-62	*	*	n	NotFnd	1.12	*	756	910	1.39			
PCB-44	1.16e+07	0.80	y	30:22	0.73	1580	-	-	*			
PCB-42	5.87e+06	0.80	y	30:37	0.96	613	-	-	*	Co-elute PCB 59		
PCB-59	5.87e+06	0.80	y	30:37	0.96	613	-	-	*	Co-elute PCB 42		
PCB-72	1.35e+07	0.79	y	31:15	1.05	1290	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.35e+07	0.79	y	31:15	1.05	1290	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.35e+07	0.79	y	31:15	1.05	1290	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.35e+07	0.79	y	31:15	1.05	1290	-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.26e+05	0.83	y	31:24	1.28	9.90	-	-	*			
PCB-40	1.58e+06	0.81	y	31:34	0.69	231	-	-	*			
PCB-57	1.74e+05	0.71	y	31:52	1.13	15.5	-	-	*			
PCB-67	9.15e+05	0.80	y	32:10	1.17	78.7	-	-	*			
PCB-58	8.43e+04	0.89	y	32:16	1.13	7.50	-	-	*			
PCB-63	9.41e+05	0.85	y	32:25	1.13	83.3	-	-	*			
PCB-74	1.21e+07	0.79	y	32:41	1.15	1050	-	-	*			
PCB-61	2.82e+07	0.78	y	32:53	1.06	2670	-	-	*	Co-elute PCB 70		
PCB-70	2.82e+07	0.78	y	32:53	1.06	2670	-	-	*	Co-elute PCB 61		
PCB-76	2.64e+07	0.78	y	33:04	1.21	2190	-	-	*	Co-elute PCB 66		
PCB-66	2.64e+07	0.78	y	33:04	1.21	2190	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	756	910	1.14			
PCB-55	5.96e+05	0.76	y	33:34	1.19	50.2	-	-	*			
13C-PCB-54	9.95e+06	0.81	y	25:40	1.24	846				84.7	1.19e+06	1.48e+06
PCB-104	*	*	n	NotFnd	1.14	*	405	357	1.11			
PCB-96	1.45e+05	1.64	y	31:28	1.10	18.3	-	-	*			
PCB-103	3.57e+05	1.50	y	31:52	0.90	55.0	-	-	*			
PCB-100	2.16e+05	1.50	y	32:12	0.91	33.0	-	-	*			
PCB-94	1.07e+05	1.57	y	32:39	0.76	19.6	-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*	405	357	1.61	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	405	357	1.61	Co-elute PCB 98		
PCB-95	1.63e+07	1.59	y	33:09	0.84	2680	-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*	405	357	1.61			
PCB-88	3.14e+06	1.54	y	33:32	0.89	489	-	-	*	Co-elute PCB 91		
PCB-91	3.14e+06	1.54	y	33:32	0.89	489	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	405	357	1.29			
13C-PCB-104	7.19e+06	1.56	y	30:12	0.98	776				77.7	9.20e+05	5.85e+05
13C-PCB-28	1.57e+07	1.06	y	26:45	1.74	957				95.9	2.06e+06	1.92e+06
13C-PCB-52	9.44e+06	0.80	y	29:02	-	2.42						

PCB-56	1.88e+07	0.80	y	34:03	1.23	1230	-	-	*		Co-elute PCB 60		
PCB-60	1.88e+07	0.80	y	34:03	1.23	1230	-	-	*		Co-elute PCB 56		
PCB-79	5.01e+05	0.79	y	35:04	1.25	32.1	-	-	*				
PCB-78	*	*	n	NotFnd	1.23	*	705	810	1.03				
PCB-81	8.01e+05	0.75	y	36:15	1.25	51.1	-	-	*				
13C-PCB-81	1.25e+07	0.79	y	36:12	1.33	1120				112		1.32e+06	1.66e+06
PCB-77	3.12e+06	0.84	y	36:46	1.11	226	-	-	*				
13C-PCB-77	1.24e+07	0.80	y	36:45	1.39	1070				107		1.33e+06	1.67e+06
PCB-155	*	*	n	NotFnd	1.10	*	528	464	1.08				
PCB-150	1.31e+05	1.30	y	35:30	1.04	15.2	-	-	*				
PCB-152	3.23e+04	1.19	y	35:58	1.01	3.86	-	-	*				
PCB-145	*	*	n	NotFnd	1.02	*	528	464	1.16				
PCB-136	4.97e+06	1.25	y	36:41	0.99	602	-	-	*				
PCB-148	*	*	n	NotFnd	0.78	*	528	464	1.52				
PCB-154	7.35e+05	1.29	y	37:14	0.88	101	-	-	*				
13C-PCB-155	8.29e+06	1.27	y	34:17	1.18	841				84.3		1.19e+06	9.03e+05
13C-PCB-111	8.82e+06	1.62	y	36:22	1.26	839				84.1		1.28e+06	8.16e+05
13C-PCB-101	8.30e+06	1.59	y	34:44	-	2.36							
PCB-84	1.01e+07	1.58	y	34:23	0.78	1140	-	-	*		Co-elute PCB 92		
PCB-92	1.01e+07	1.58	y	34:23	0.78	1140	-	-	*		Co-elute PCB 84		
PCB-89	2.85e+05	1.44	y	34:33	0.77	32.6	-	-	*				
PCB-90	3.02e+07	1.58	y	34:45	0.85	3120	-	-	*		Co-elute PCB 101		
PCB-101	3.02e+07	1.58	y	34:45	0.85	3120	-	-	*		Co-elute PCB 90		
PCB-113	*	*	n	NotFnd	0.96	*	590	520	1.07				
PCB-99	1.38e+07	1.53	y	35:04	0.94	1290	-	-	*				
PCB-119	1.02e+06	1.47	y	35:30	1.06	84.1	-	-	*				
PCB-83	1.27e+06	1.60	y	35:39	0.88	127	-	-	*		Co-elute PCB 112		
PCB-112	1.27e+06	1.60	y	35:39	0.88	127	-	-	*		Co-elute PCB 83		
PCB-109	*	*	n	NotFnd	1.04	*	590	520	0.989				
PCB-97	7.84e+06	1.58	y	35:59	0.73	942	-	-	*				
PCB-86	*	*	n	NotFnd	0.76	*	590	520	1.35				
PCB-125	1.17e+07	1.59	y	36:15	0.94	1090	-	-	*		Co-elute PCB 87/117		
PCB-87	1.17e+07	1.59	y	36:15	0.94	1090	-	-	*		Co-elute PCB 125/117		
PCB-117	1.17e+07	1.59	y	36:15	0.94	1090	-	-	*		Co-elute PCB 125/87		
PCB-111	8.58e+05	1.58	y	36:23	1.06	70.9	-	-	*		Co-elute PCB 115		
PCB-115	8.58e+05	1.58	y	36:23	1.06	70.9	-	-	*		Co-elute PCB 111		
PCB-85	4.66e+06	1.53	y	36:30	0.96	427	-	-	*		Co-elute PCB 116		
PCB-116	4.66e+06	1.53	y	36:30	0.96	427	-	-	*		Co-elute PCB 85		
PCB-120	*	*	n	NotFnd	1.14	*	590	520	0.902				
PCB-110	3.67e+07	1.60	y	36:53	1.09	2980	-	-	*				
PCB-82	2.53e+06	1.55	y	37:28	0.66	340	-	-	*				
PCB-124	1.76e+06	1.53	y	38:08	1.19	130	-	-	*				
PCB-108	2.93e+06	1.62	y	38:16	1.14	226	-	-	*		Co-elute PCB 107		
PCB-107	2.93e+06	1.62	y	38:16	1.14	226	-	-	*		Co-elute PCB 108		
PCB-123	7.07e+05	1.59	y	38:24	1.09	57.8	-	-	*				
13C-PCB-123	1.12e+07	1.58	y	38:24	1.22	1060				106		1.66e+06	1.03e+06
PCB-118	3.89e+07	1.59	y	38:36	1.13	2970	-	-	*		Co-elute PCB 106		
PCB-106	3.89e+07	1.59	y	38:36	1.13	2970	-	-	*		Co-elute PCB 118		
13C-PCB-118	1.16e+07	1.60	y	38:34	1.30	1020				102		1.78e+06	1.10e+06
PCB-114	9.43e+05	1.55	y	39:12	1.21	67.4	-	-	*				
13C-PCB-114	1.15e+07	1.62	y	39:12	1.29	1030				103		1.61e+06	9.80e+05
PCB-122	4.44e+05	1.54	y	39:20	1.13	34.5	-	-	*				
PCB-105	1.57e+07	1.56	y	40:01	1.18	1200	-	-	*				
13C-PCB-105	1.10e+07	1.56	y	39:60	1.27	999				100		1.62e+06	1.03e+06

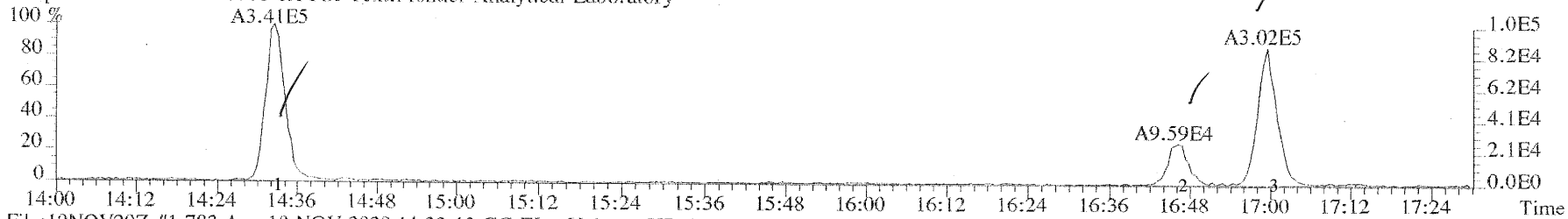
PCB-127	*	*	n	NotFnd	1.10	*	920	840	1.49				
PCB-126	2.27e+05	1.45	y	42:08	1.15	17.6	-	-	*				
13C-PCB-126	1.12e+07	1.58	y	42:06	1.16	1110				112	1.54e+06	9.83e+05	
PCB-151	8.19e+06	1.28	y	37:51	0.93	1020	-	-	*				
PCB-135	4.65e+06	1.27	y	38:04	0.95	565	-	-	*				
PCB-144	1.88e+06	1.28	y	38:11	0.96	227	-	-	*				
PCB-147	8.23e+05	1.34	y	38:18	1.01	94.9	-	-	*				
PCB-139	3.27e+07	1.27	y	38:32	1.01	3750	-	-	*		Co-elute PCB 149		
PCB-149	3.27e+07	1.27	y	38:32	1.01	3750	-	-	*		Co-elute PCB 139		
PCB-140	2.90e+05	1.21	y	38:44	1.04	32.3	-	-	*				
PCB-143	1.76e+06	1.21	y	39:09	0.87	235	-	-	*		Co-elute PCB 134		
PCB-134	1.76e+06	1.21	y	39:09	0.87	235	-	-	*		Co-elute PCB 143		
PCB-131	1.09e+06	1.33	y	39:23	0.88	144	-	-	*		Co-elute PCB 133		
PCB-133	1.09e+06	1.33	y	39:23	0.88	144	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	510	370	1.29				
PCB-165	6.51e+06	1.28	y	39:47	1.14	661	-	-	*		Co-elute PCB 146		
PCB-146	6.51e+06	1.28	y	39:47	1.14	661	-	-	*		Co-elute PCB 165		
PCB-161	1.12e+07	1.24	y	40:01	1.11	1170	-	-	*		Co-elute PCB 132		
PCB-132	1.12e+07	1.24	y	40:01	1.11	1170	-	-	*		Co-elute PCB 161		
PCB-153	4.47e+07	1.26	y	40:10	1.12	4630	-	-	*				
PCB-168	*	*	n	NotFnd	1.25	*	510	370	0.917				
PCB-141	6.62e+06	1.27	y	40:51	0.97	791	-	-	*				
PCB-137	1.50e+06	1.24	y	41:14	1.02	171	-	-	*				
PCB-130	2.34e+06	1.29	y	41:19	0.82	333	-	-	*				
PCB-138	4.74e+07	1.27	y	41:40	1.14	4820	-	-	*		Co-elute PCB 163/164		
PCB-163	4.74e+07	1.27	y	41:40	1.14	4820	-	-	*		Co-elute PCB 138/164		
PCB-164	4.74e+07	1.27	y	41:40	1.14	4820	-	-	*		Co-elute PCB 138/163		
PCB-158	5.28e+06	1.25	y	41:53	1.26	485	-	-	*		Co-elute PCB 160		
PCB-160	5.28e+06	1.25	y	41:53	1.26	485	-	-	*		Co-elute PCB 158		
PCB-129	1.39e+06	1.28	y	42:08	0.83	193	-	-	*				
PCB-166	1.83e+05	1.08	y	42:34	1.22	17.4	-	-	*				
PCB-159	4.59e+05	1.23	y	42:56	1.28	41.6	-	-	*				
PCB-128	6.37e+06	1.25	y	43:07	1.08	687	-	-	*		Co-elute PCB 162		
PCB-162	6.37e+06	1.25	y	43:07	1.08	687	-	-	*		Co-elute PCB 128		
PCB-167	2.07e+06	1.23	y	43:30	1.19	194	-	-	*				
13C-PCB-167	8.98e+06	1.28	y	43:29	1.13	916				91.8	1.07e+06	8.07e+05	
PCB-156	4.90e+06	1.28	y	44:44	1.21	467	-	-	*				
13C-PCB-156	8.63e+06	1.28	y	44:43	1.09	912				91.4	1.10e+06	8.76e+05	
PCB-157	1.05e+06	1.28	y	44:59	1.19	101	-	-	*				
13C-PCB-157	8.71e+06	1.27	y	44:58	1.09	916				91.8	1.03e+06	8.40e+05	
PCB-169	*	*	n	NotFnd	1.12	*	510	370	1.02				
13C-PCB-169	8.11e+06	1.27	y	46:50	1.04	896				89.8	1.08e+06	8.54e+05	

FAL ID: 13416-013-0001-SA Filename: 10NOV20Z Sam:5 Acquired: 10-NOV-20 11:22:13 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-CD-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 10.02

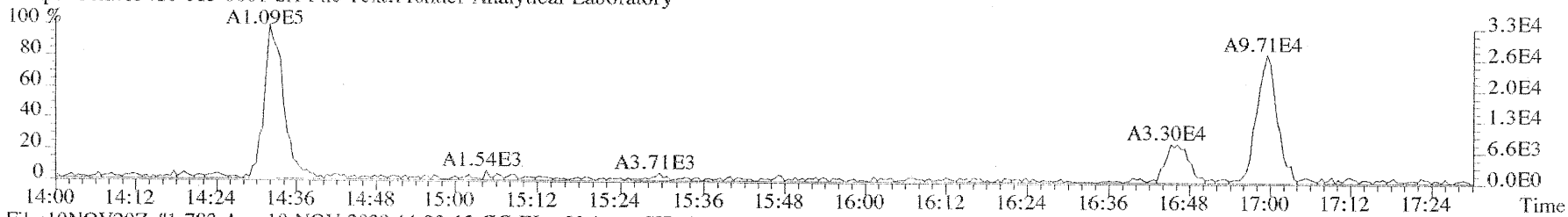
PCB-188	3.62e+04	1.08	y	39:48	1.09	4.38	-	-	*			
13C-PCB-188	7.55e+06	1.06	y	39:47	1.06	817				81.9	8.96e+05	8.65e+05
PCB-184	*	*	n	NotFnd	1.27	*	540	800	1.57			
PCB-179	4.90e+06	1.01	y	40:57	1.20	614	-	-	*			
PCB-176	1.60e+06	1.04	y	41:24	1.15	208	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	540	500	1.32			
PCB-178	1.75e+06	1.05	y	42:26	0.84	312	-	-	*			
PCB-175	3.40e+05	1.02	y	42:46	0.88	57.6	-	-	*			
PCB-187	1.20e+07	1.04	y	42:54	0.93	1930	-	-	*		Co-elute PCB 182	
PCB-182	1.20e+07	1.04	y	42:54	0.93	1930	-	-	*		Co-elute PCB 187	
PCB-183	5.80e+06	1.03	y	43:14	0.94	925	-	-	*			
PCB-185	9.38e+05	1.09	y	43:52	0.87	162	-	-	*			
PCB-174	8.29e+06	1.03	y	44:12	0.79	1570	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	540	500	1.66			
PCB-177	4.98e+06	1.06	y	44:28	0.82	915	-	-	*			
PCB-171	2.33e+06	0.98	y	44:44	0.87	401	-	-	*			
PCB-173	1.45e+05	1.02	y	45:09	0.76	28.4	-	-	*			
PCB-172	1.35e+06	1.09	y	45:32	0.80	253	-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*	540	500	1.46			
PCB-180	1.75e+07	1.05	y	45:52	0.82	3190	-	-	*			
PCB-193	1.23e+06	1.11	y	46:02	1.13	163	-	-	*			
PCB-191	4.39e+05	1.05	y	46:15	1.14	58.0	-	-	*			
PCB-170	7.51e+06	1.07	y	47:09	0.78	1440	-	-	*			
PCB-190	1.97e+06	1.03	y	47:18	1.05	281	-	-	*			
PCB-189	3.70e+05	1.03	y	48:30	1.09	58.9	-	-	*			
13C-PCB-189	5.76e+06	1.03	y	48:28	0.89	744				74.6	7.88e+05	7.81e+05
PCB-202	1.04e+06	0.86	y	44:54	1.11	181	-	-	*			
PCB-201	7.48e+05	0.88	y	45:21	1.20	120	-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*	321	300	1.15			
PCB-197	2.46e+05	0.94	y	45:45	1.27	37.3	-	-	*			
PCB-200	6.00e+05	0.96	y	46:30	1.24	93.6	-	-	*			
PCB-198	1.95e+05	0.80	y	47:41	0.90	41.5	-	-	*			
PCB-199	3.51e+06	0.92	y	47:46	0.84	808	-	-	*			
PCB-203	4.38e+06	0.92	y	48:00	0.96	878	-	-	*		Co-elute PCB 196	
PCB-196	4.38e+06	0.92	y	48:00	0.96	878	-	-	*		Co-elute PCB 203	
13C-PCB-202	5.18e+06	0.90	y	44:54	0.75	791				79.2	5.38e+05	5.91e+05
13C-PCB-178	5.28e+06	1.07	y	42:25	0.80	755				75.6	6.02e+05	5.75e+05
13C-PCB-138	8.68e+06	1.28	y	41:38	-	2.39						
PCB-195	2.07e+06	0.92	y	49:05	0.88	351	-	-	*			
PCB-194	4.81e+06	0.94	y	49:53	0.87	833	-	-	*			
PCB-205	3.36e+05	0.87	y	50:08	1.08	46.5	-	-	*			
13C-PCB-205	6.66e+06	0.90	y	50:07	1.26	926				92.8	9.81e+05	1.06e+06
PCB-208	7.36e+05	1.31	y	49:13	1.08	107	-	-	*			
13C-PCB-208	6.33e+06	0.81	y	49:12	1.27	870				87.1	9.08e+05	1.15e+06
PCB-207	3.55e+05	1.33	y	49:30	1.25	53.5	-	-	*			
PCB-206	1.98e+06	1.34	y	51:20	1.11	418	-	-	*			
13C-PCB-206	4.25e+06	0.80	y	51:19	0.87	857				85.9	5.61e+05	7.07e+05
PCB-209	8.34e+05	1.14	y	52:31	1.19	162	-	-	*			
13C-PCB-209	4.30e+06	1.22	y	52:30	1.01	745				74.7	6.37e+05	5.25e+05
13C-PCB-194	5.71e+06	0.93	y	49:52	-	1.97						

Analyst: _____ Date: 11/11/20

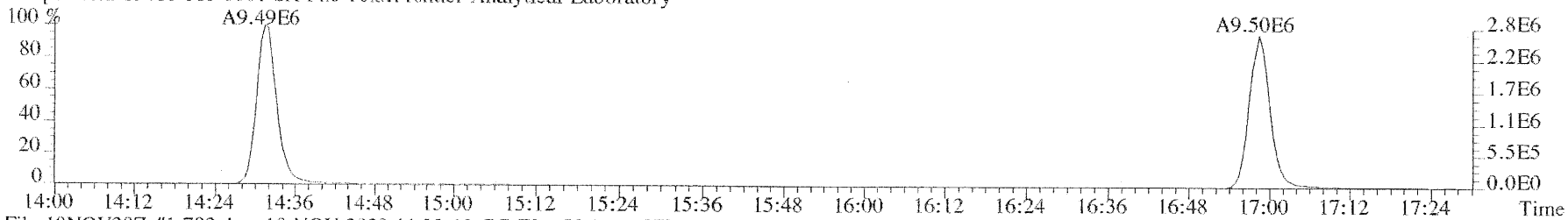
File:10NOV20Z #1-783 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



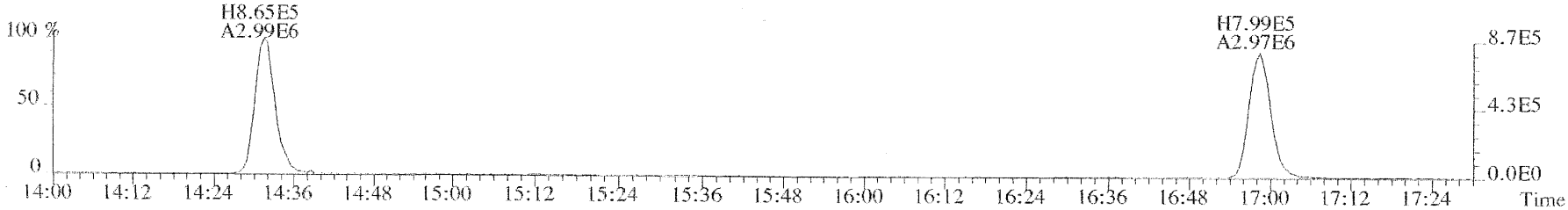
File:10NOV20Z #1-783 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



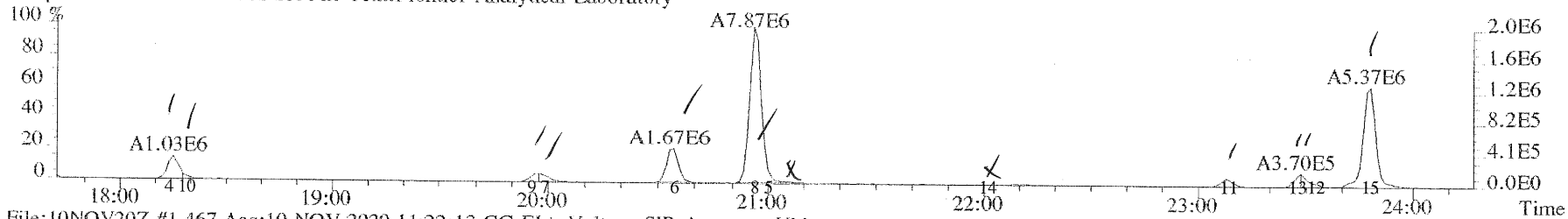
File:10NOV20Z #1-783 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



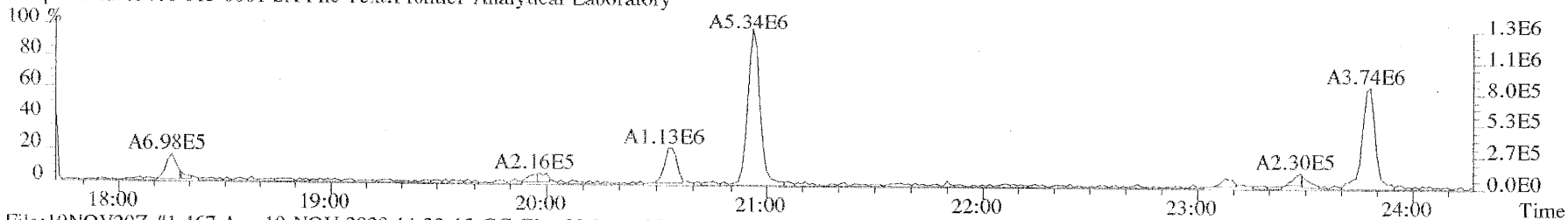
File:10NOV20Z #1-783 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



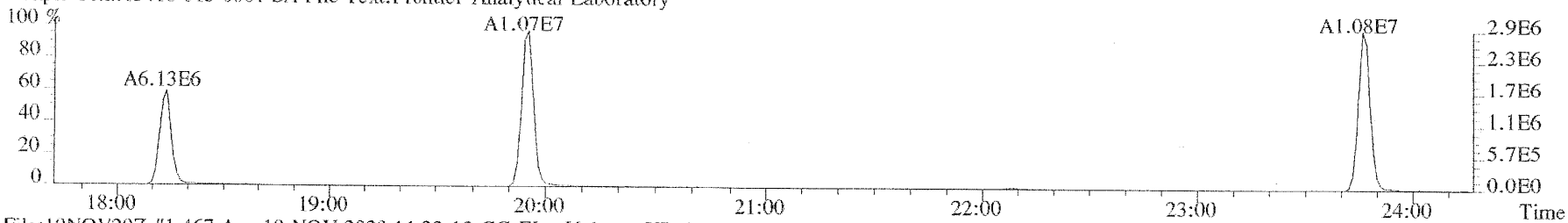
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



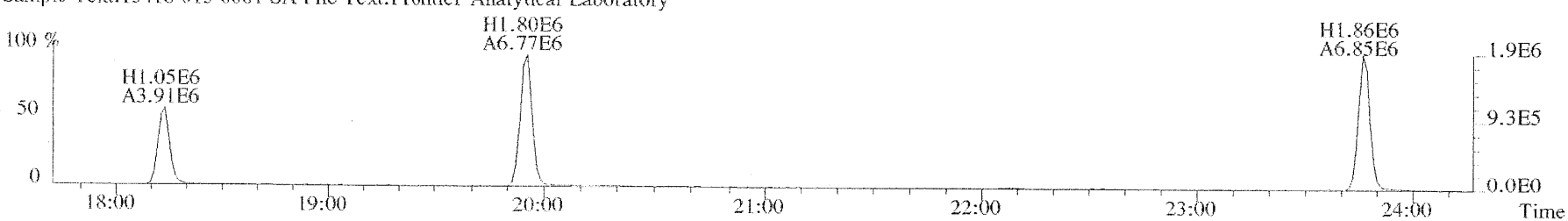
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



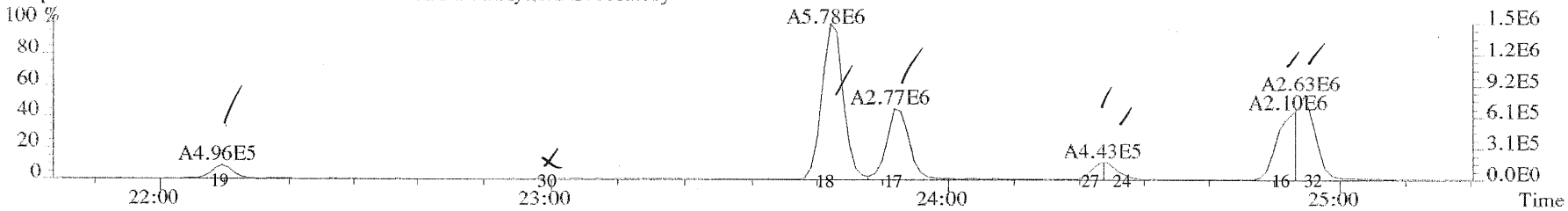
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



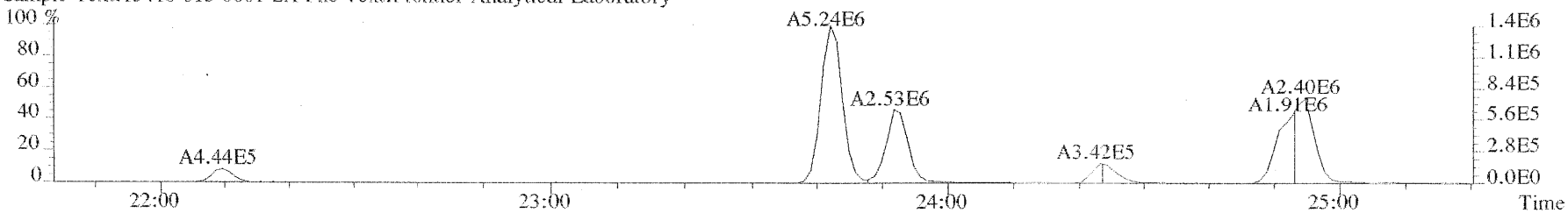
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



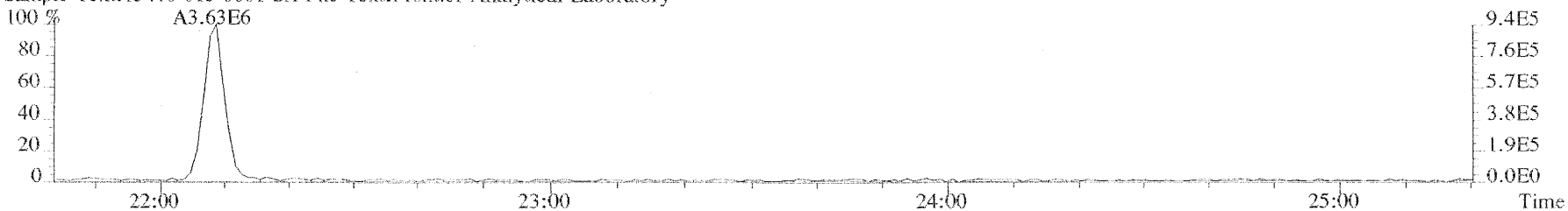
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



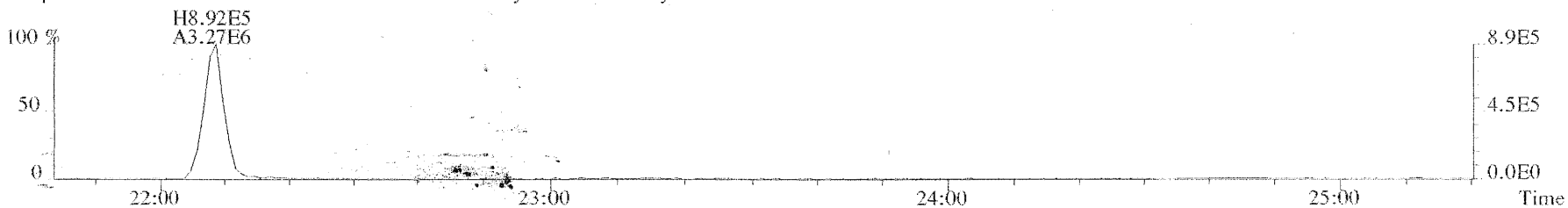
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



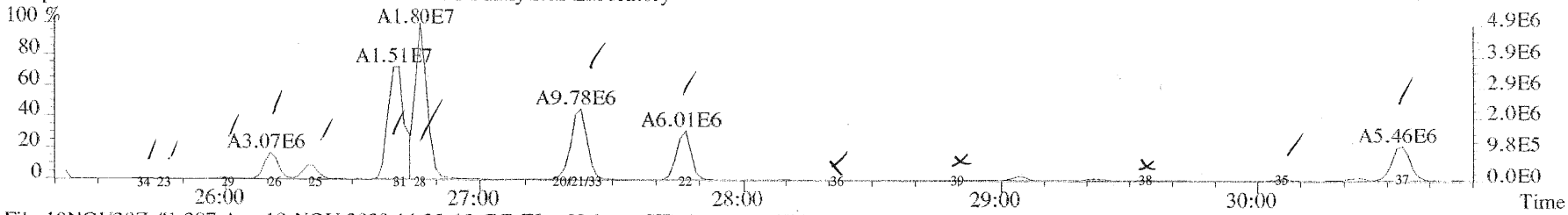
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



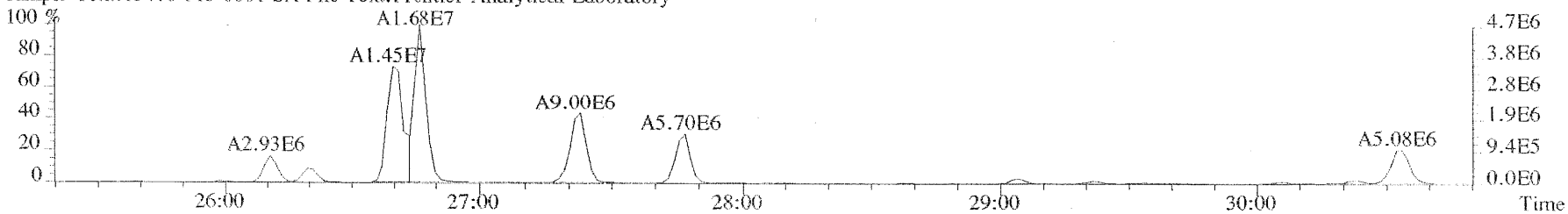
File:10NOV20Z #1-467 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



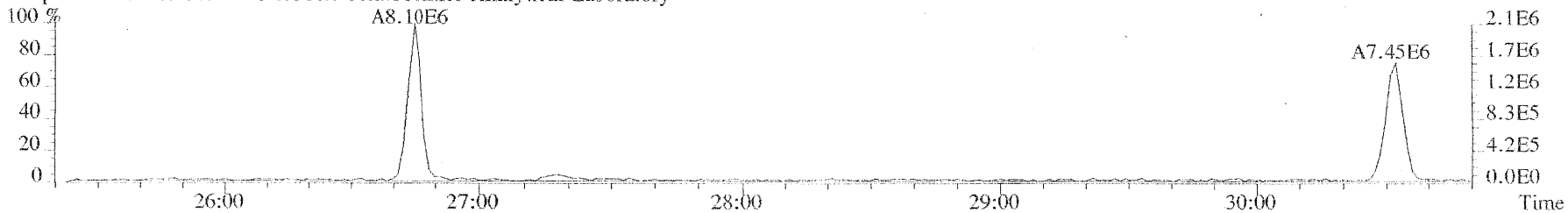
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



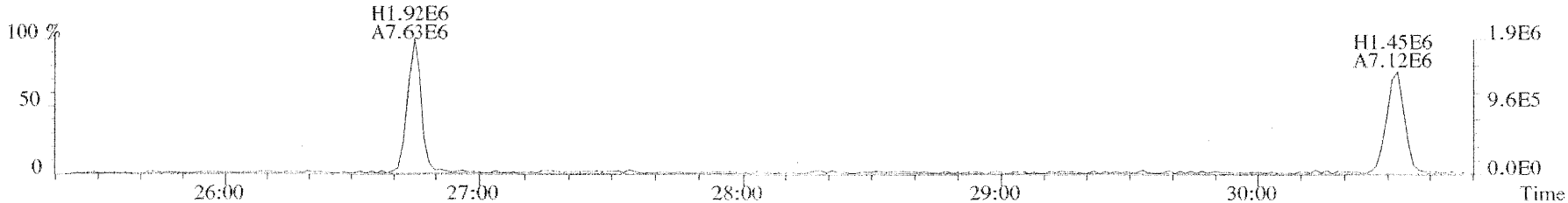
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



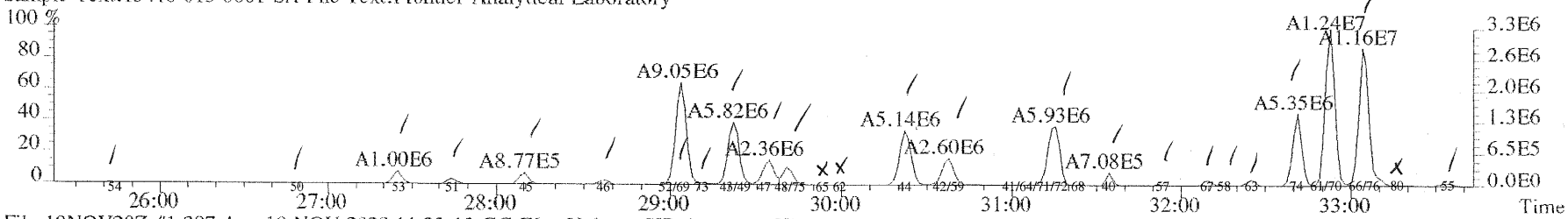
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



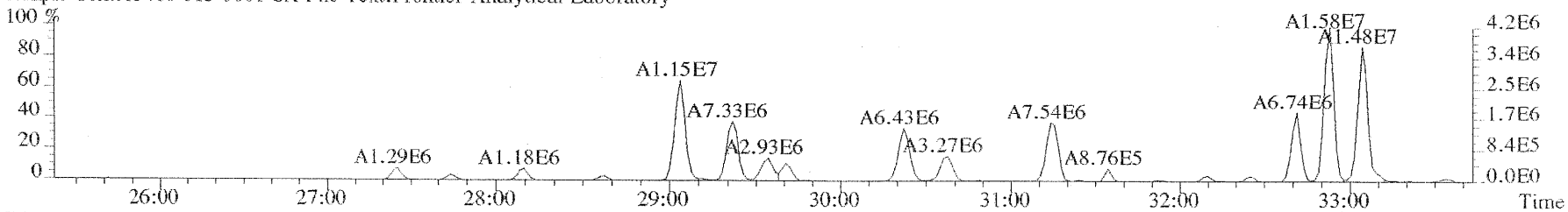
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



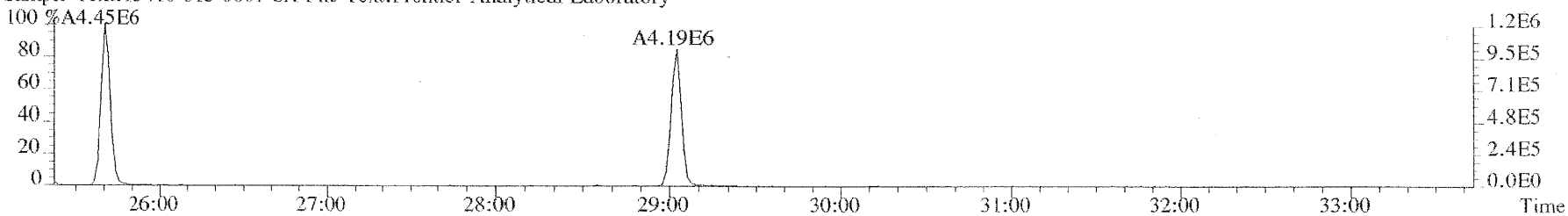
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



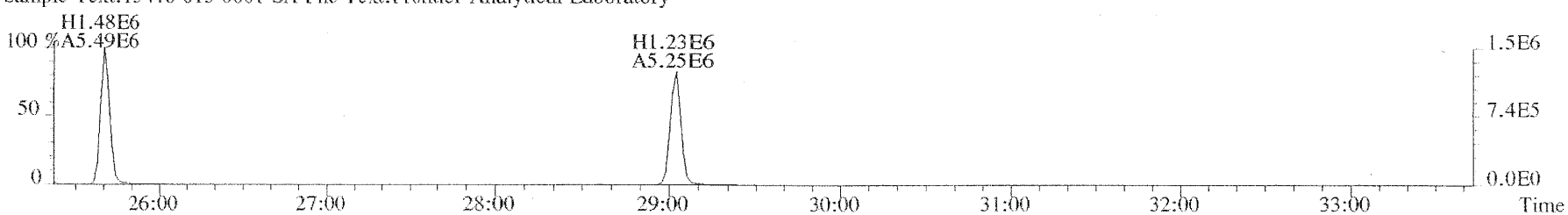
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



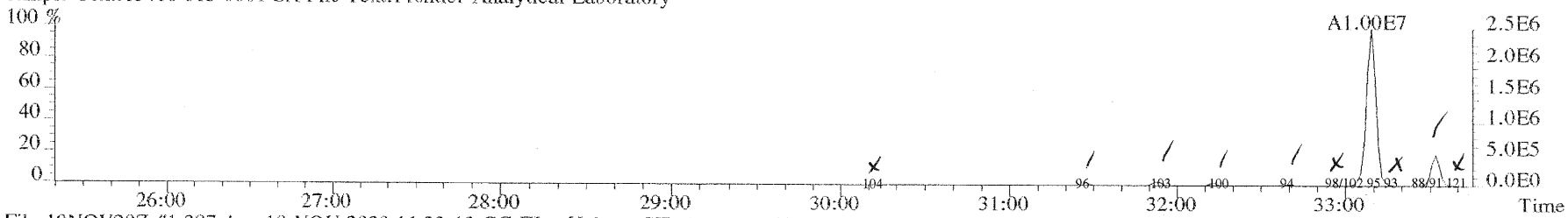
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



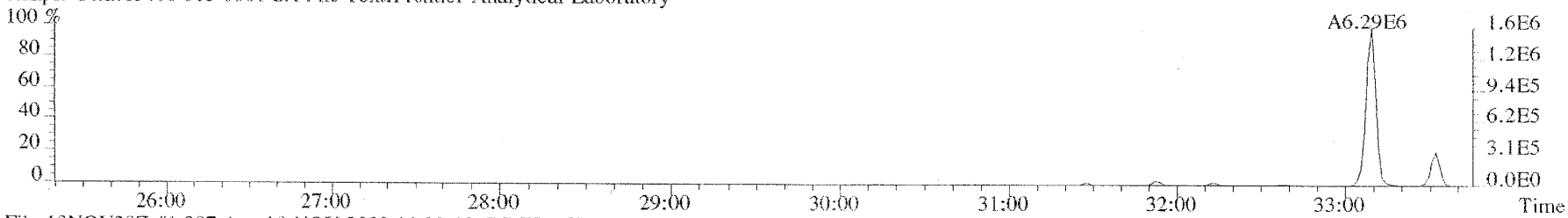
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



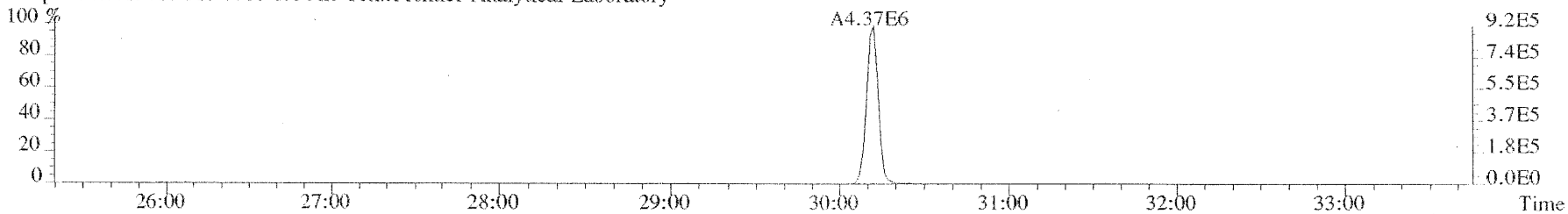
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



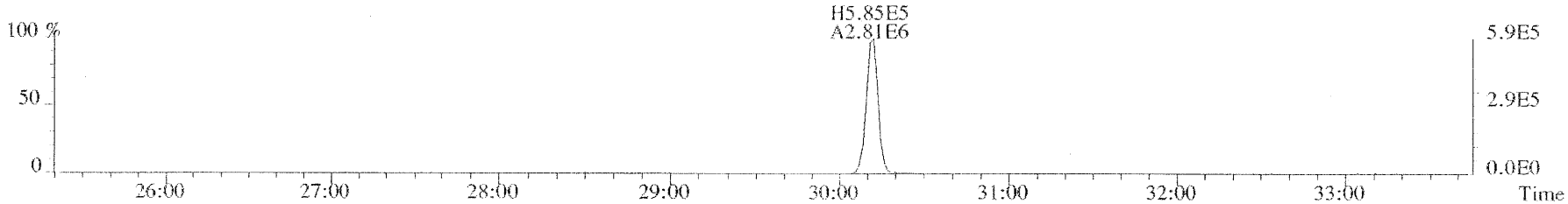
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



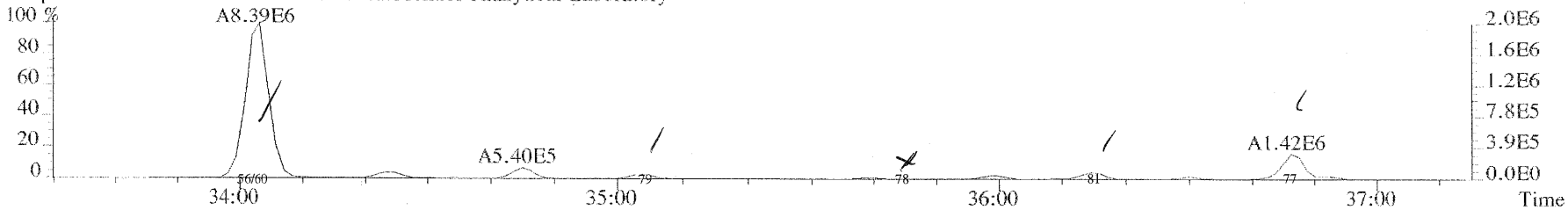
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



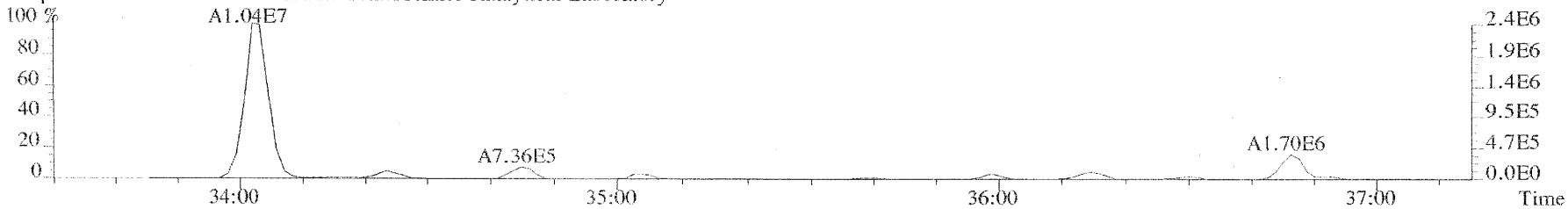
File:10NOV20Z #1-397 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



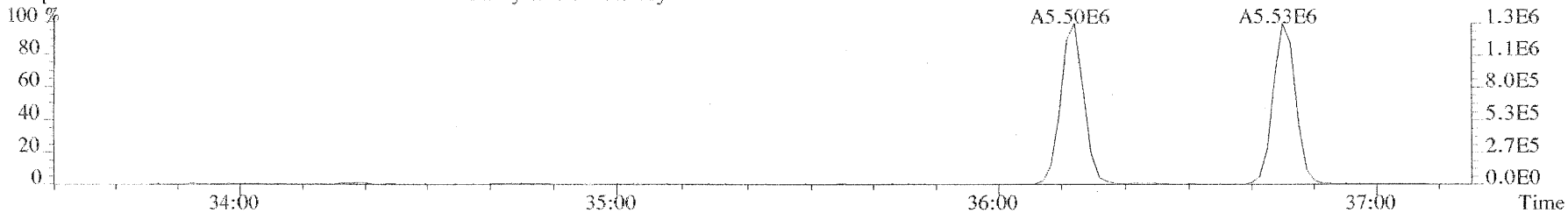
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



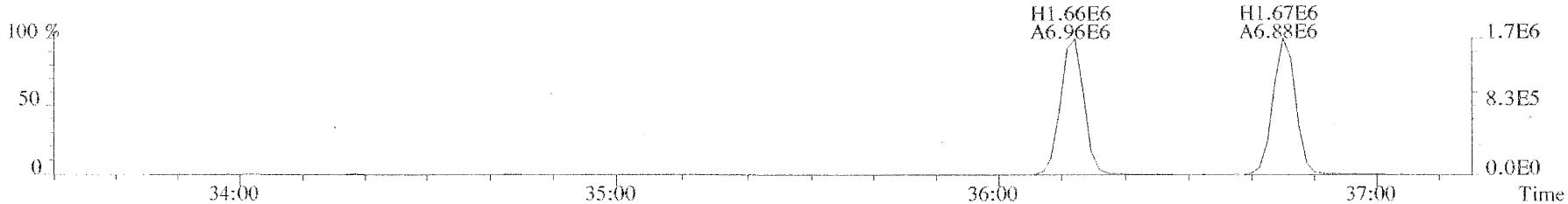
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



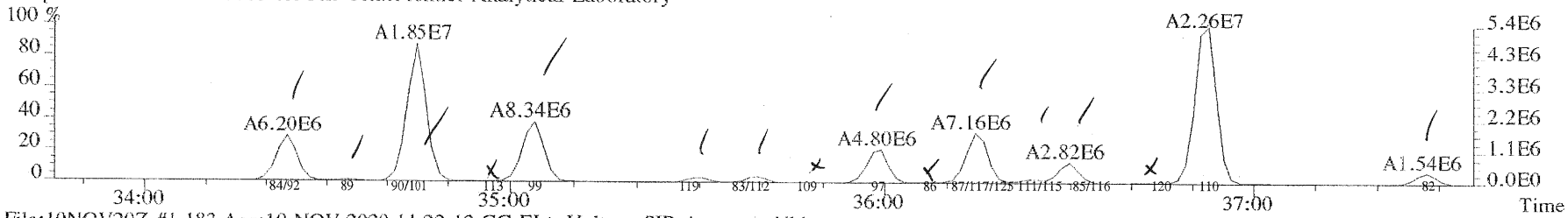
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



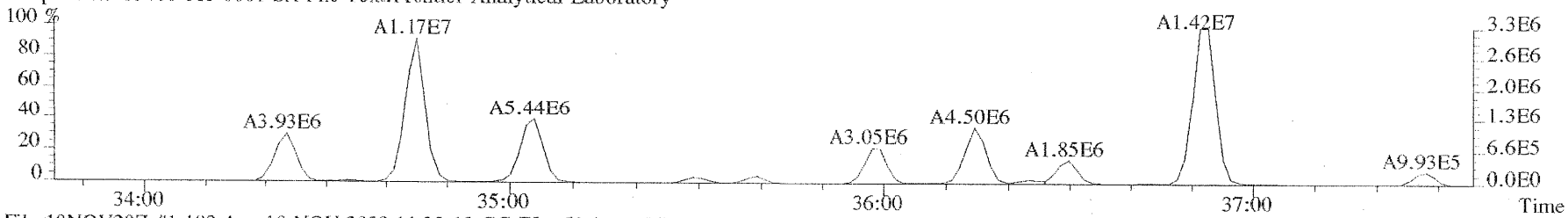
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



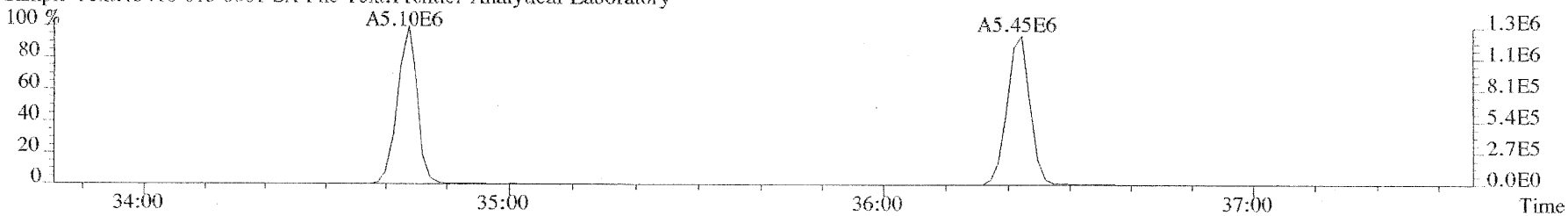
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



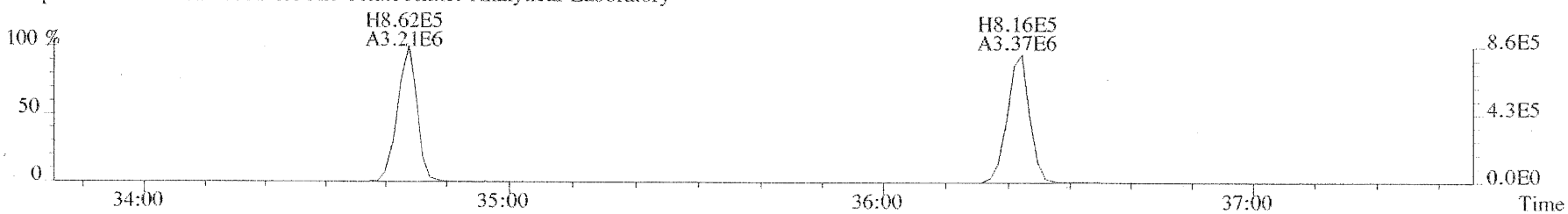
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



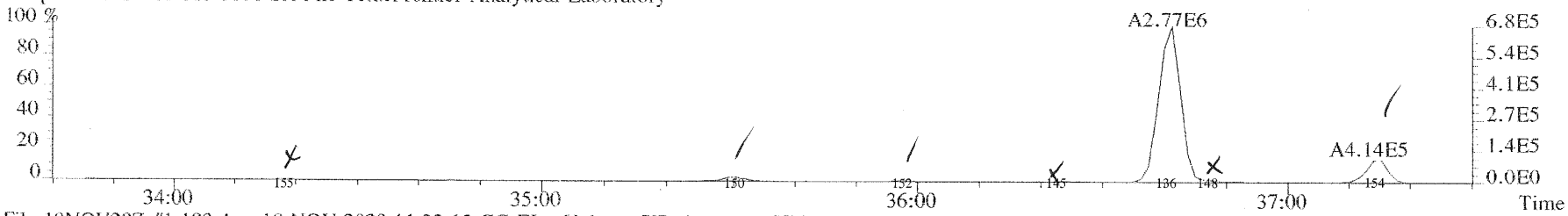
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



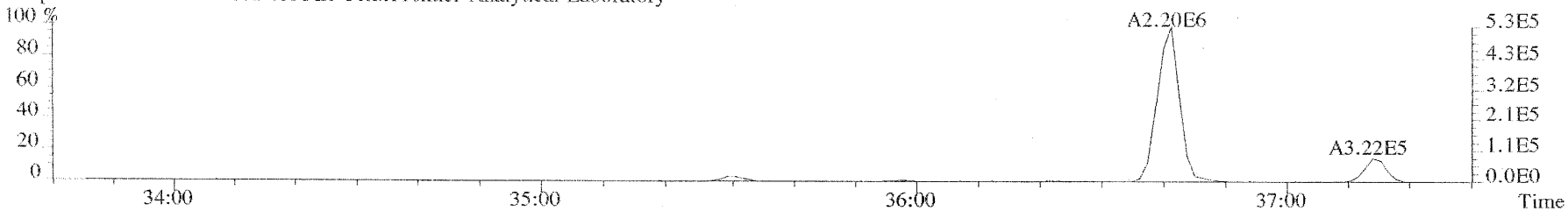
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



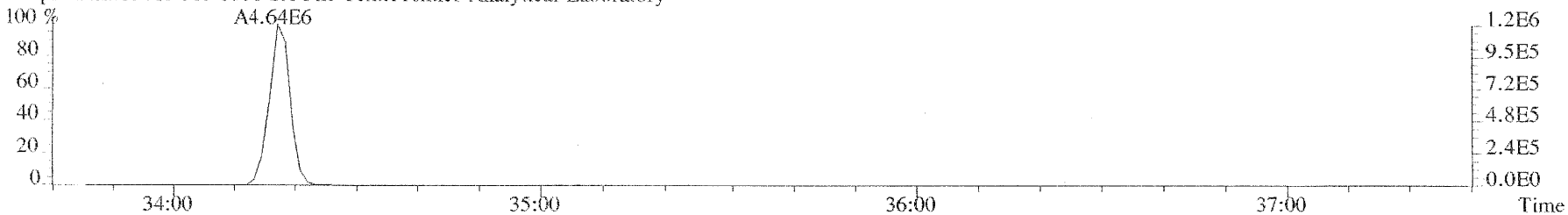
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



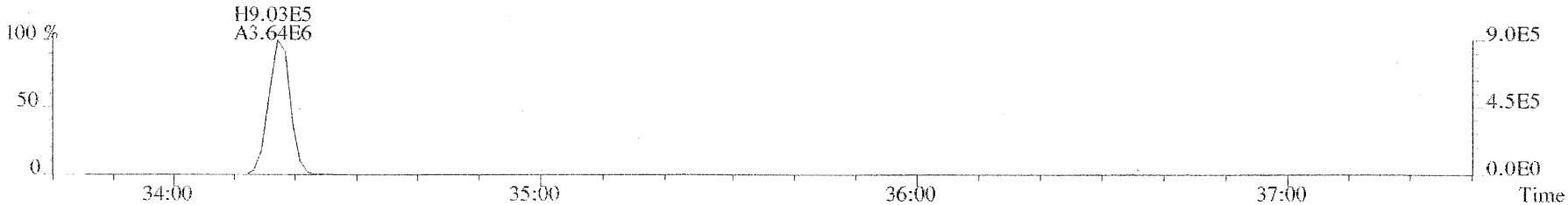
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



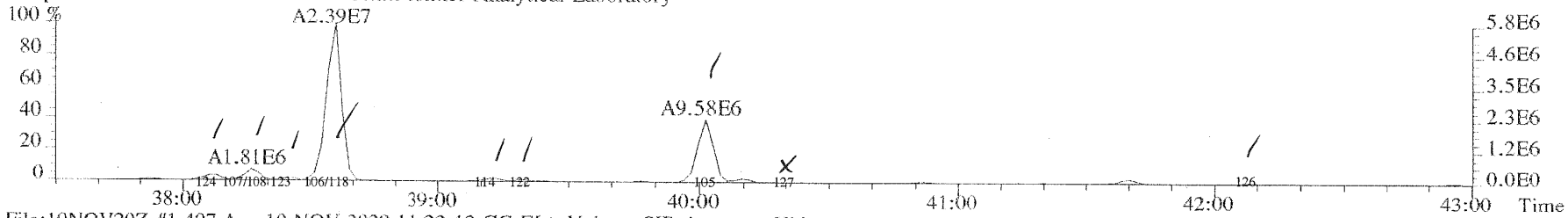
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



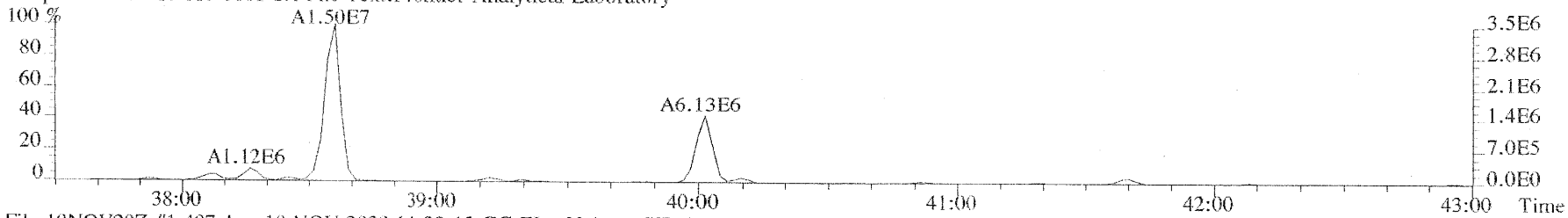
File:10NOV20Z #1-183 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



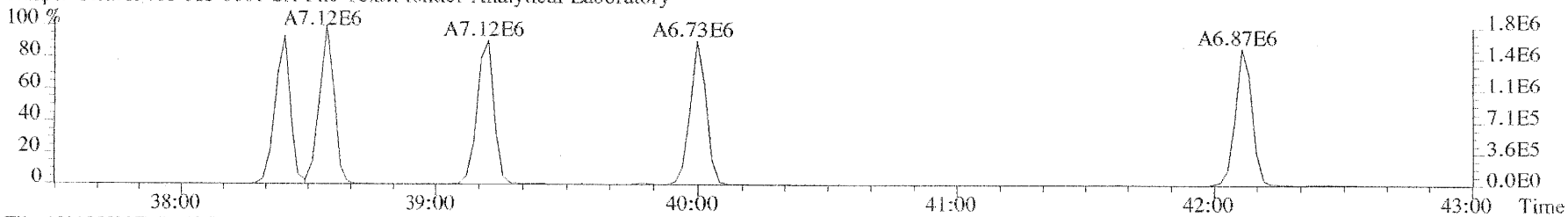
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



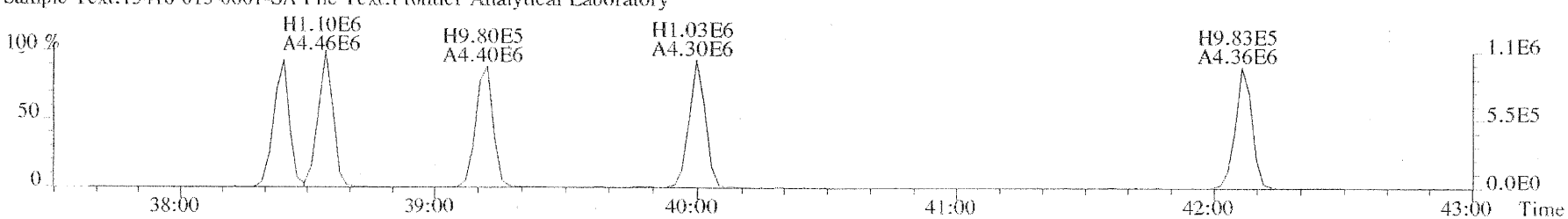
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



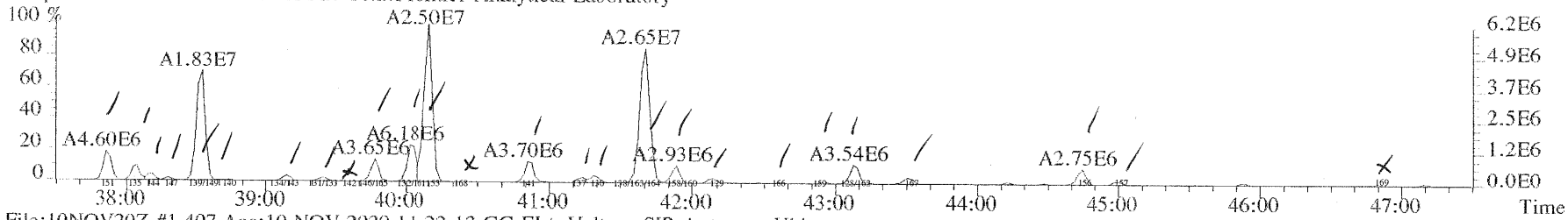
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



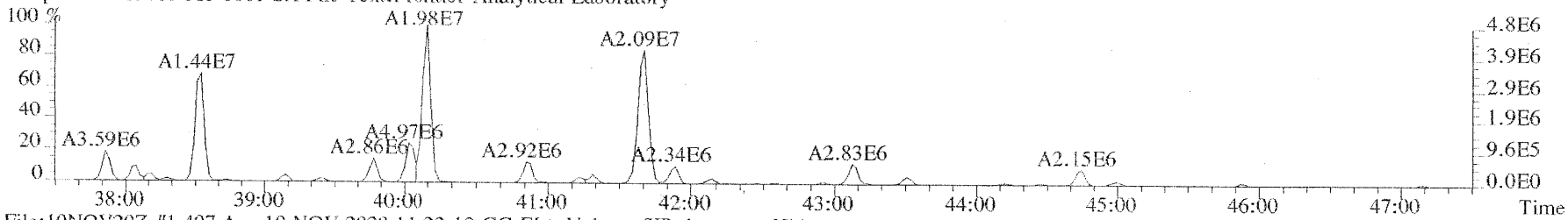
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



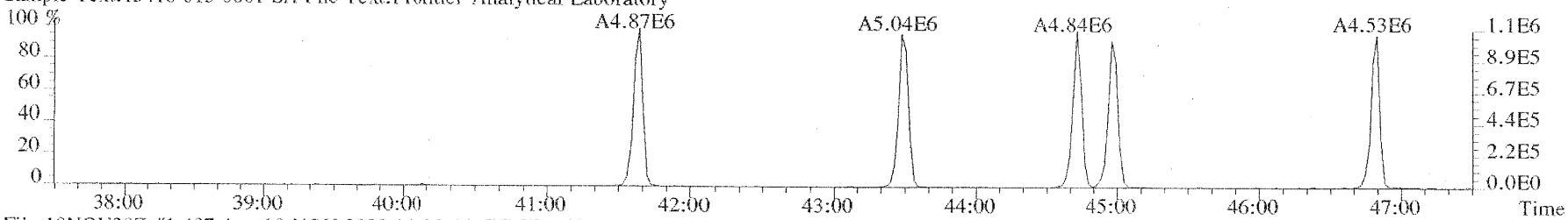
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



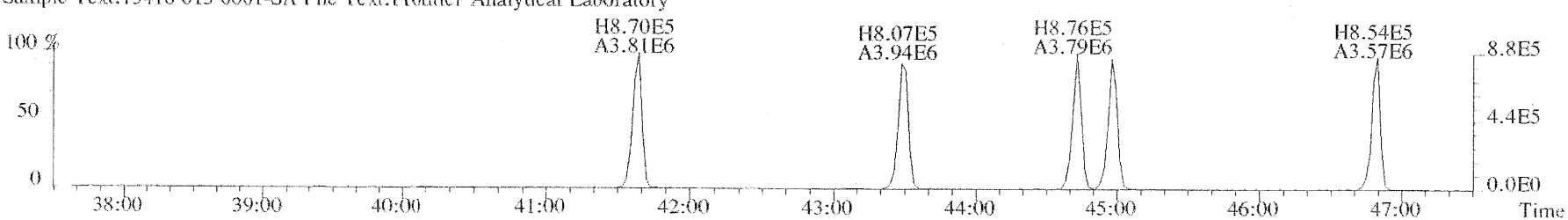
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



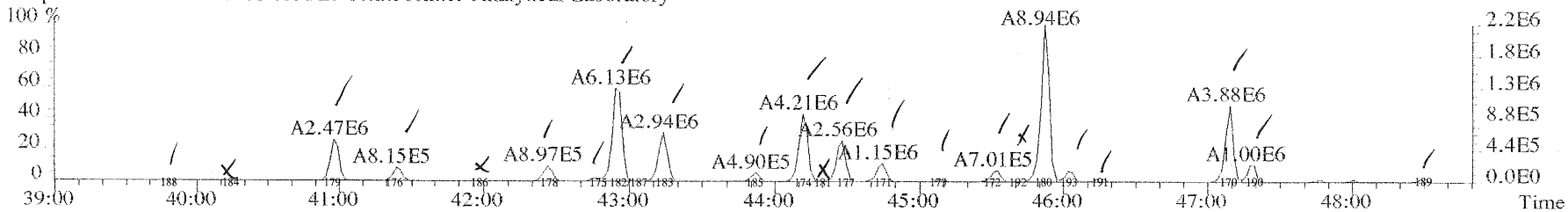
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



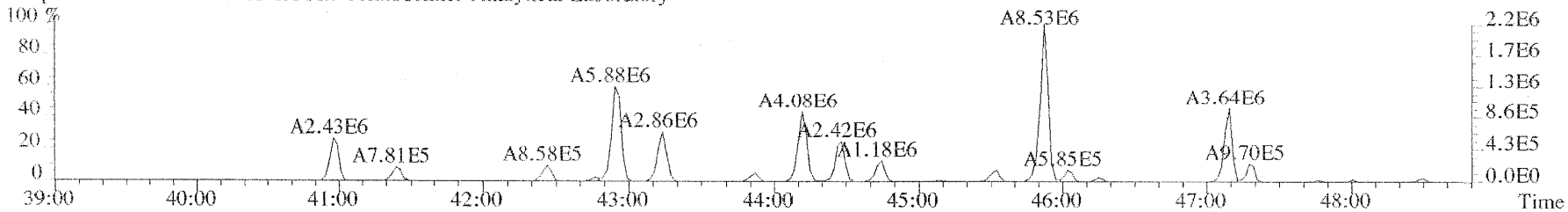
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



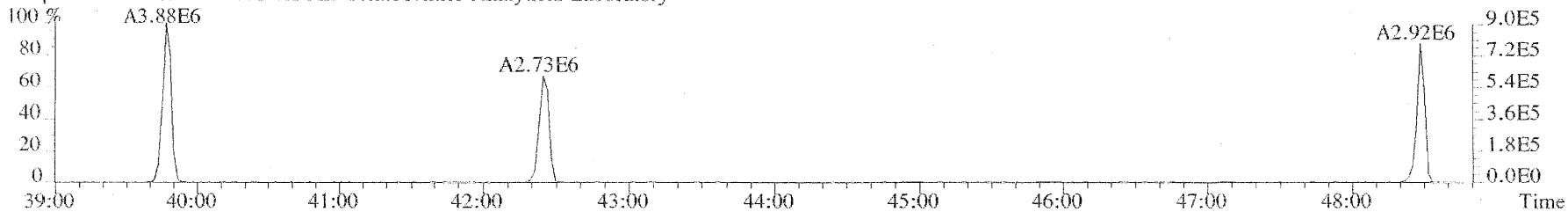
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



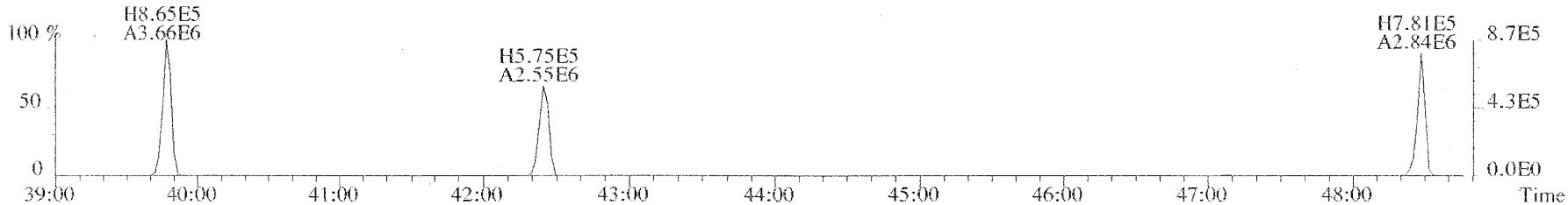
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



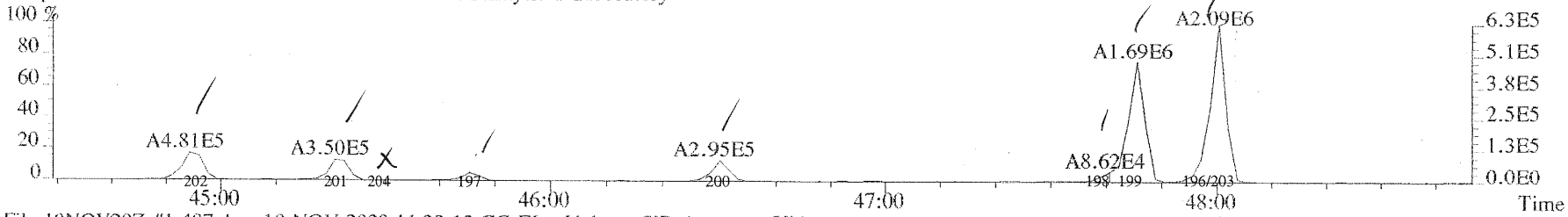
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



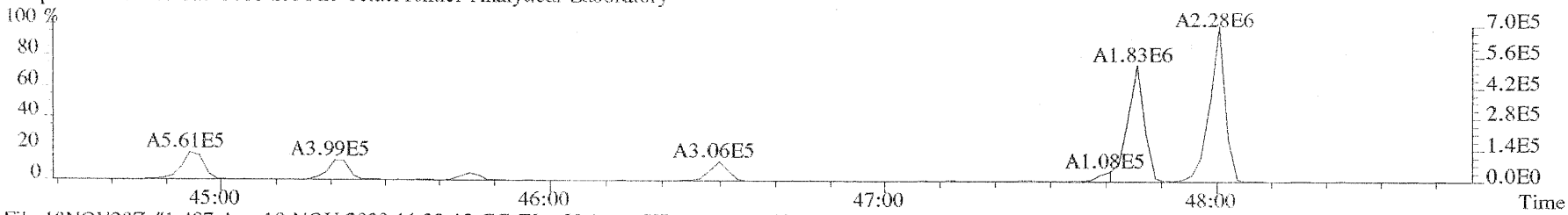
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



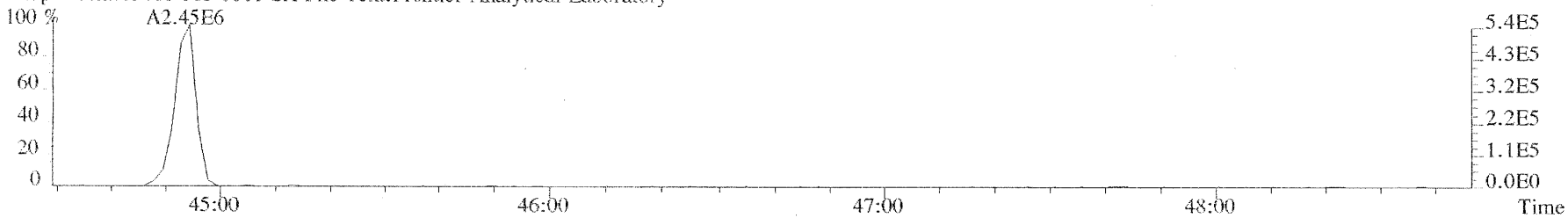
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



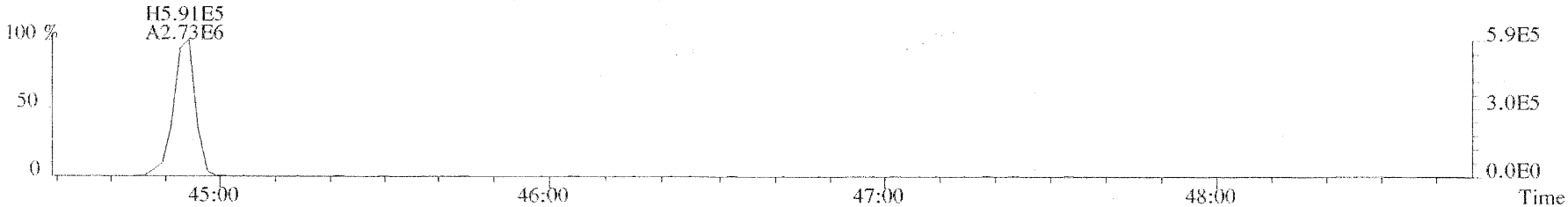
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



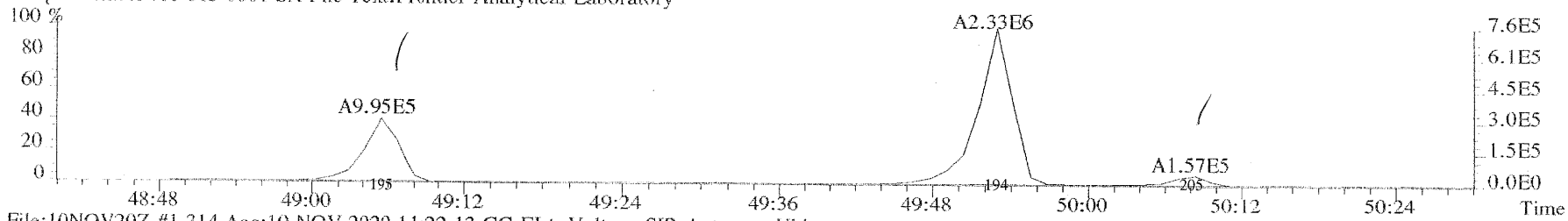
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



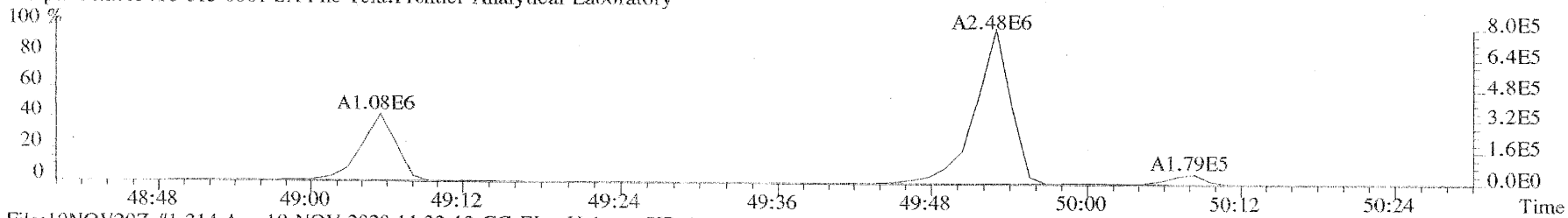
File:10NOV20Z #1-407 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



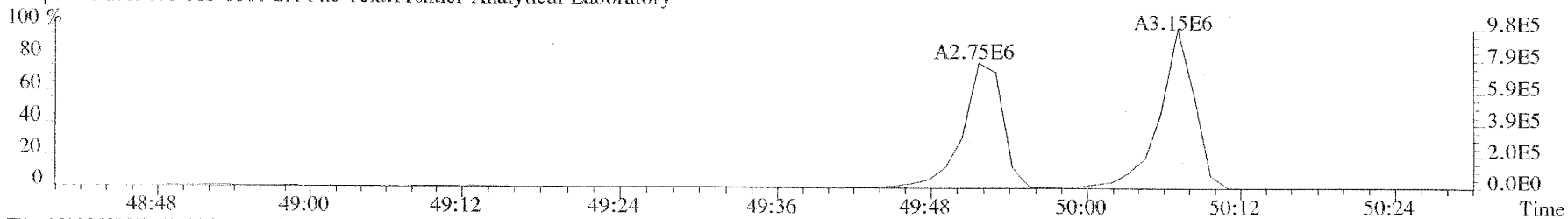
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



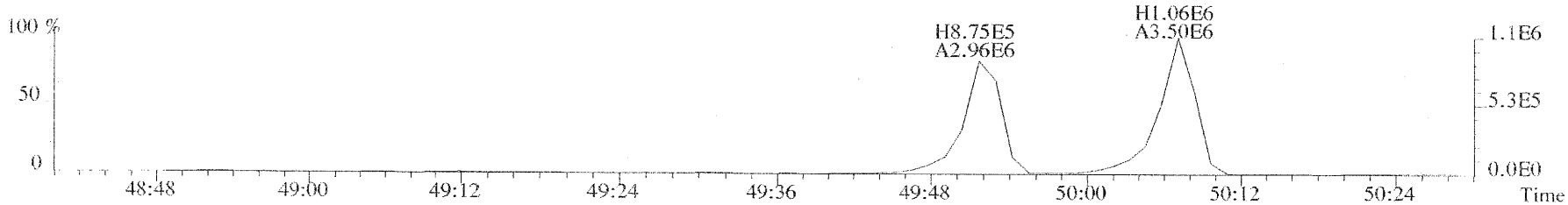
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



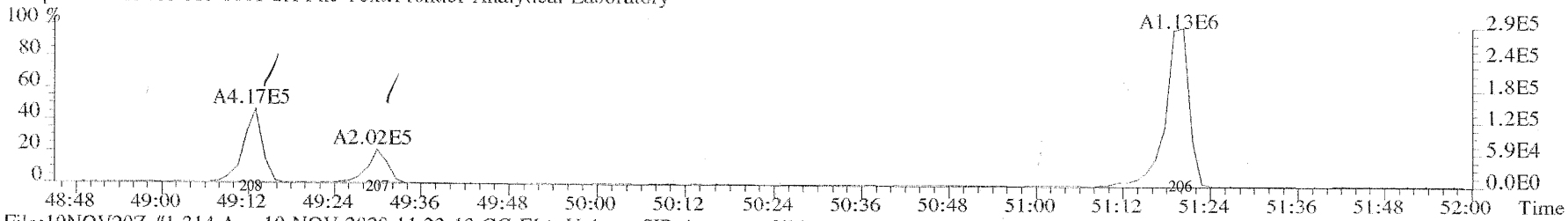
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



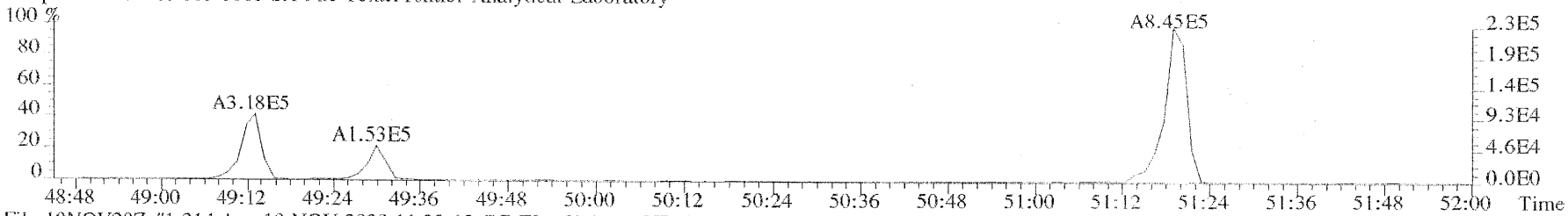
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



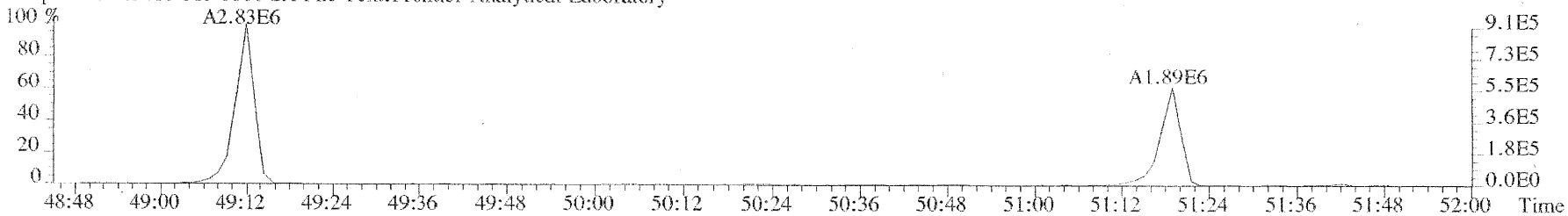
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



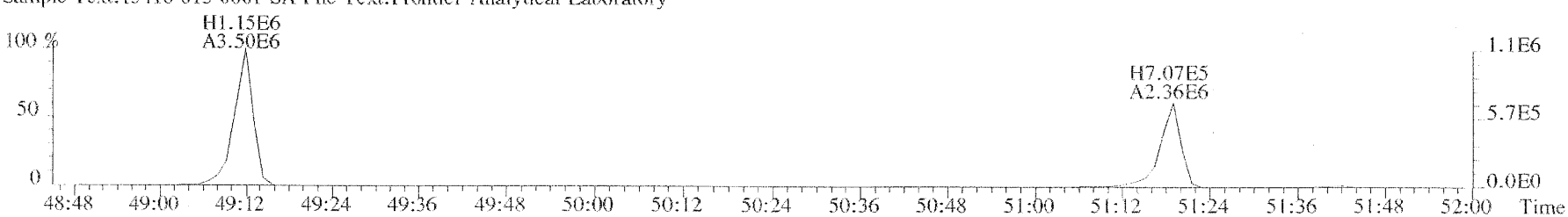
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



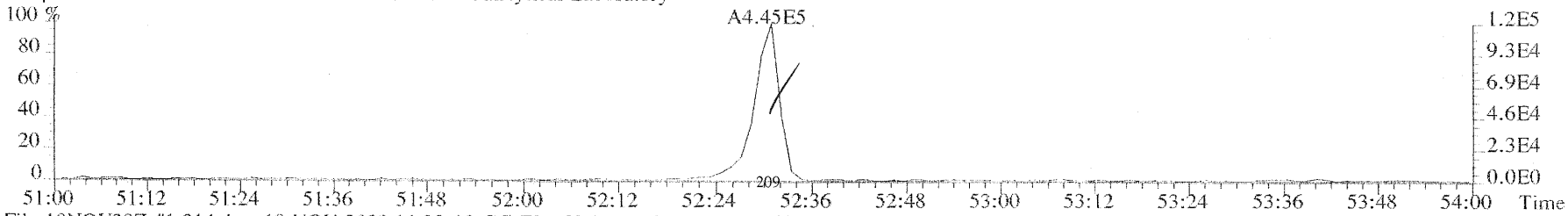
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



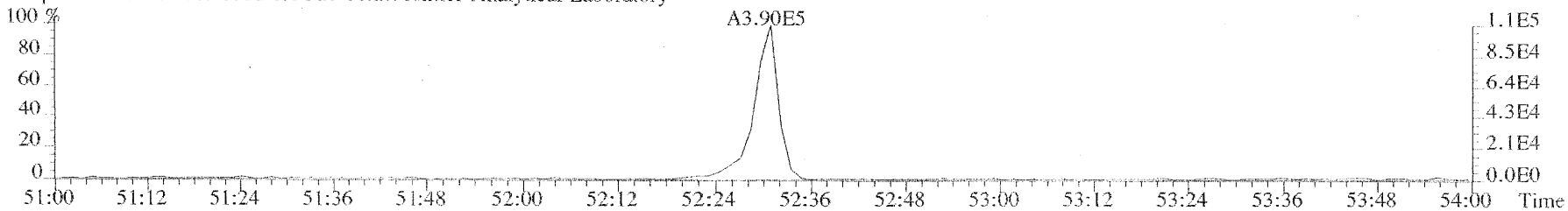
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



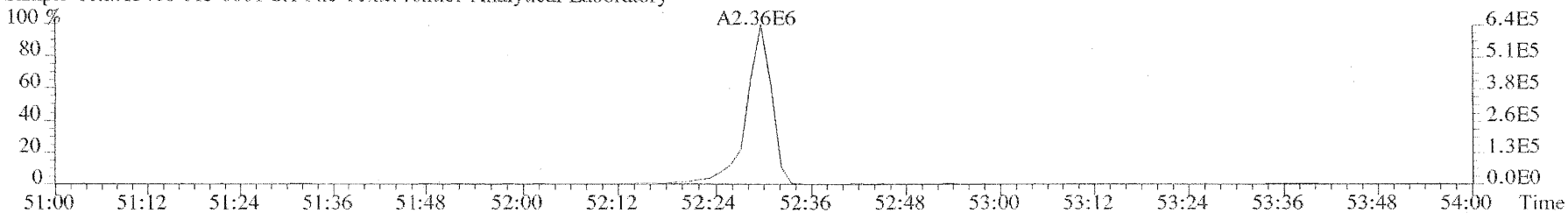
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



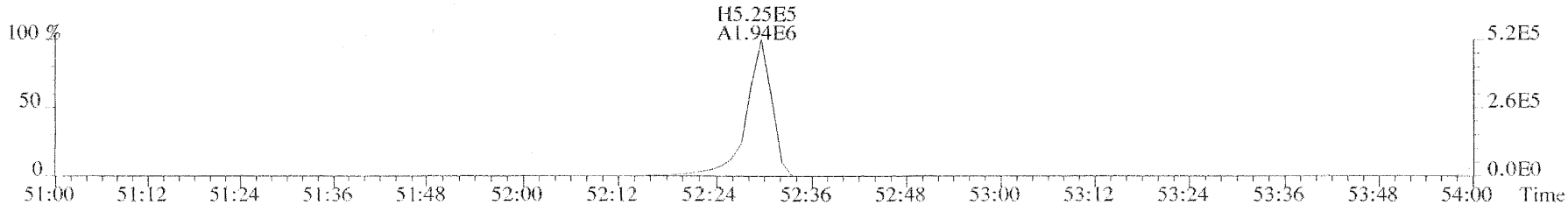
File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-013-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 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:13416-013-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 11:22:13 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:13416-013-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-015-0001-SA Filename: 10NOV20Z Sam:6 Acquired: 10-NOV-20 12:20:34 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-CA-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	9.21e+05	3.13 y	14:33	1.23	30.7		-	-	*			
13C-PCB-1	2.43e+07	3.19 y	14:32	0.89	849					85.1	6.49e+06	1.95e+06
PCB-2	1.63e+05	3.00 y	16:47	1.25	5.61		-	-	*			
PCB-3	5.67e+05	3.07 y	16:59	1.21	21.1		-	-	*			
13C-PCB-3	2.21e+07	3.26 y	16:58	0.87	792					79.4	5.54e+06	1.71e+06
PCB-4	2.28e+06	1.46 y	18:15	0.97	118		-	-	*			
PCB-10	3.97e+05	1.44 y	18:18	1.52	10.9		-	-	*			
13C-PCB-4	1.97e+07	1.59 y	18:14	0.65	937					93.8	3.72e+06	2.32e+06
PCB-9	8.19e+05	1.48 y	19:57	1.41	24.2		-	-	*			
PCB-7	5.89e+05	1.50 y	19:59	1.43	17.2		-	-	*			
PCB-6	3.58e+06	1.40 y	20:34	1.32	113		-	-	*			
PCB-8	1.56e+07	1.50 y	20:56	1.38	472		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		540	2330	0.786			
PCB-14	*	* n	NotFnd	1.39	*		540	2330	0.760			
PCB-11	4.36e+05	1.50 y	23:08	1.24	14.7		-	-	*			
PCB-13	4.85e+05	1.35 y	23:28	1.29	15.7		-	-	*			
PCB-12	5.34e+05	1.53 y	23:29	1.32	17.0		-	-	*			
PCB-15	6.47e+06	1.42 y	23:48	1.18	195		-	-	*			
13C-PCB-15	2.80e+07	1.60 y	23:46	0.96	907					90.9	4.56e+06	2.89e+06
PCB-19	1.08e+06	1.15 y	22:10	1.35	62.7		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1620	550	0.780			
PCB-18	1.14e+07	1.10 y	23:43	1.34	664		-	-	*			
PCB-17	5.61e+06	1.11 y	23:53	1.48	297		-	-	*			
PCB-27	8.32e+05	1.03 y	24:23	1.94	33.6		-	-	*			
PCB-24	8.81e+05	1.18 y	24:24	1.93	35.7		-	-	*			
PCB-16	4.24e+06	1.07 y	24:53	1.64	203		-	-	*			
PCB-32	5.32e+06	1.11 y	24:55	1.69	246		-	-	*			
13C-PCB-19	1.28e+07	1.11 y	22:08	0.45	888					89.0	1.82e+06	1.64e+06
13C-PCB-9	3.21e+07	1.59 y	19:55	-	4.44							
PCB-34	1.72e+05	1.05 y	25:39	1.27	6.36		-	-	*			
PCB-23	5.56e+04	1.11 y	25:45	1.31	1.99	J	-	-	*			
PCB-29	2.89e+05	1.03 y	25:59	1.30	10.4		-	-	*			
PCB-26	5.95e+06	1.08 y	26:11	1.22	230		-	-	*			
PCB-25	3.55e+06	1.04 y	26:19	1.21	139		-	-	*			
PCB-31	3.08e+07	1.07 y	26:40	1.18	1230		-	-	*			
PCB-28	3.37e+07	1.10 y	26:46	1.51	1050		-	-	*			
PCB-20	1.98e+07	1.07 y	27:23	1.21	766		-	-	*		Co-elute PCB 21/33	
PCB-21	1.98e+07	1.07 y	27:23	1.21	766		-	-	*		Co-elute PCB 20/33	
PCB-33	1.98e+07	1.07 y	27:23	1.21	766		-	-	*		Co-elute PCB 20/21	
PCB-22	1.15e+07	1.10 y	27:47	1.40	389		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		910	870	0.878			
PCB-39	*	* n	NotFnd	1.21	*		910	870	0.897			
PCB-38	*	* n	NotFnd	1.17	*		910	870	0.925			
PCB-35	3.55e+05	0.98 y	30:06	1.14	14.7		-	-	*			
PCB-37	5.73e+06	1.06 y	30:34	1.20	225		-	-	*			
13C-PCB-37	2.12e+07	1.08 y	30:32	1.40	958					95.9	2.09e+06	2.01e+06

PCB-54	5.95e+04	0.79	y	25:42	1.24	2.66	-	-	*			
PCB-50	7.09e+04	0.75	y	26:49	0.92	4.29	-	-	*			
PCB-53	2.30e+06	0.80	y	27:25	0.91	140	-	-	*			
PCB-51	8.61e+05	0.79	y	27:44	0.98	48.6	-	-	*			
PCB-45	2.07e+06	0.78	y	28:09	0.79	145	-	-	*			
PCB-46	7.88e+05	0.80	y	28:37	0.78	56.2	-	-	*			
PCB-52	1.93e+07	0.78	y	29:04	0.91	1170	-	-	*	Co-elute PCB 69		
PCB-69	1.93e+07	0.78	y	29:04	0.91	1170	-	-	*	Co-elute PCB 52		
PCB-73	2.76e+05	0.85	y	29:10	1.23	12.5	-	-	*			
PCB-43	1.23e+07	0.77	y	29:21	0.82	830	-	-	*	Co-elute PCB 49		
PCB-49	1.23e+07	0.77	y	29:21	0.82	830	-	-	*	Co-elute PCB 43		
PCB-47	5.07e+06	0.79	y	29:34	0.90	311	-	-	*			
PCB-48	3.41e+06	0.80	y	29:40	1.05	180	-	-	*	Co-elute PCB 75		
PCB-75	3.41e+06	0.80	y	29:40	1.05	180	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	756	860	0.765			
PCB-62	*	*	n	NotFnd	1.12	*	756	860	0.742			
PCB-44	1.02e+07	0.79	y	30:22	0.73	770	-	-	*			
PCB-42	5.13e+06	0.78	y	30:37	0.96	296	-	-	*	Co-elute PCB 59		
PCB-59	5.13e+06	0.78	y	30:37	0.96	296	-	-	*	Co-elute PCB 42		
PCB-72	1.21e+07	0.79	y	31:15	1.05	641	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.21e+07	0.79	y	31:15	1.05	641	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.21e+07	0.79	y	31:15	1.05	641	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.21e+07	0.79	y	31:15	1.05	641	-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.06e+05	0.73	y	31:30	1.28	4.60	-	-	*			
PCB-40	1.53e+06	0.78	y	31:42	0.69	124	-	-	*			
PCB-57	1.29e+05	0.76	y	31:56	1.13	6.34	-	-	*			
PCB-67	8.60e+05	0.81	y	32:12	1.17	40.8	-	-	*			
PCB-58	7.39e+04	0.73	y	32:17	1.13	3.63	-	-	*			
PCB-63	9.35e+05	0.77	y	32:27	1.13	45.7	-	-	*			
PCB-74	1.15e+07	0.80	y	32:42	1.15	552	-	-	*			
PCB-61	2.52e+07	0.79	y	32:54	1.06	1320	-	-	*	Co-elute PCB 70		
PCB-70	2.52e+07	0.79	y	32:54	1.06	1320	-	-	*	Co-elute PCB 61		
PCB-76	2.32e+07	0.78	y	33:05	1.21	1070	-	-	*	Co-elute PCB 66		
PCB-66	2.32e+07	0.78	y	33:05	1.21	1070	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	756	860	0.607			
PCB-55	5.75e+05	0.75	y	33:34	1.19	26.8	-	-	*			
13C-PCB-54	1.80e+07	0.83	y	25:40	1.24	914					91.6	2.21e+06 2.64e+06
PCB-104	*	*	n	NotFnd	1.14	*	512	524	0.945			
PCB-96	1.15e+05	1.52	y	31:32	1.10	8.56	-	-	*			
PCB-103	2.43e+05	1.48	y	31:56	0.90	22.1	-	-	*			
PCB-100	1.63e+05	1.47	y	32:15	0.91	14.7	-	-	*			
PCB-94	9.62e+04	1.41	y	32:40	0.76	10.4	-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*	512	524	1.38	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	512	524	1.38	Co-elute PCB 98		
PCB-95	1.52e+07	1.55	y	33:10	0.84	1470	-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*	512	524	1.38			
PCB-88	2.84e+06	1.54	y	33:33	0.89	260	-	-	*	Co-elute PCB 91		
PCB-91	2.84e+06	1.54	y	33:33	0.89	260	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	512	524	1.10			
13C-PCB-104	1.22e+07	1.55	y	30:12	0.98	786					78.7	1.46e+06 9.31e+05
13C-PCB-28	2.98e+07	1.05	y	26:45	1.74	1080					109	4.04e+06 3.79e+06
13C-PCB-52	1.58e+07	0.81	y	29:03	-	4.05						

PCB-56	1.76e+07	0.82	y	34:03	1.23	684	-	-	*		Co-elute PCB 60	
PCB-60	1.76e+07	0.82	y	34:03	1.23	684	-	-	*		Co-elute PCB 56	
PCB-79	4.59e+05	0.71	y	35:05	1.25	17.4	-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*	657	857	0.644			
PCB-81	7.57e+05	0.75	y	36:16	1.25	28.7	-	-	*			
13C-PCB-81	2.10e+07	0.80	y	36:12	1.33	1060				107	2.12e+06	2.65e+06
PCB-77	1.98e+06	0.81	y	36:47	1.11	84.5	-	-	*			
13C-PCB-77	2.11e+07	0.80	y	36:46	1.39	1020				103	2.13e+06	2.64e+06
PCB-155	*	*	n	NotFnd	1.10	*	768	676	0.821			
PCB-150	1.11e+05	1.23	y	35:32	1.04	6.72	-	-	*			
PCB-152	3.35e+04	1.12	y	35:58	1.01	2.10	-	-	*			
PCB-145	*	*	n	NotFnd	1.02	*	768	676	0.883			
PCB-136	4.87e+06	1.23	y	36:41	0.99	308	-	-	*			
PCB-148	*	*	n	NotFnd	0.78	*	768	676	1.16			
PCB-154	6.24e+05	1.26	y	37:15	0.88	44.5	-	-	*			
13C-PCB-155	1.59e+07	1.30	y	34:18	1.18	908				91.0	2.26e+06	1.74e+06
13C-PCB-111	1.71e+07	1.60	y	36:22	1.26	919				92.0	2.48e+06	1.56e+06
13C-PCB-101	1.47e+07	1.59	y	34:44	-	4.18						
PCB-84	9.18e+06	1.54	y	34:23	0.78	517	-	-	*		Co-elute PCB 92	
PCB-92	9.18e+06	1.54	y	34:23	0.78	517	-	-	*		Co-elute PCB 84	
PCB-89	2.59e+05	1.53	y	34:33	0.77	14.8	-	-	*			
PCB-90	2.79e+07	1.56	y	34:45	0.85	1440	-	-	*		Co-elute PCB 101	
PCB-101	2.79e+07	1.56	y	34:45	0.85	1440	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.96	*	990	950	0.987			
PCB-99	1.24e+07	1.56	y	35:04	0.94	583	-	-	*			
PCB-119	9.24e+05	1.43	y	35:30	1.06	38.3	-	-	*			
PCB-83	1.16e+06	1.52	y	35:39	0.88	58.4	-	-	*		Co-elute PCB 112	
PCB-112	1.16e+06	1.52	y	35:39	0.88	58.4	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	1.04	*	990	950	0.915			
PCB-97	6.93e+06	1.53	y	35:59	0.73	416	-	-	*			
PCB-86	*	*	n	NotFnd	0.76	*	990	950	1.25			
PCB-125	1.05e+07	1.53	y	36:15	0.94	489	-	-	*		Co-elute PCB 87/117	
PCB-87	1.05e+07	1.53	y	36:15	0.94	489	-	-	*		Co-elute PCB 125/117	
PCB-117	1.05e+07	1.53	y	36:15	0.94	489	-	-	*		Co-elute PCB 125/87	
PCB-111	6.69e+05	1.45	y	36:25	1.06	27.7	-	-	*		Co-elute PCB 115	
PCB-115	6.69e+05	1.45	y	36:25	1.06	27.7	-	-	*		Co-elute PCB 111	
PCB-85	4.27e+06	1.57	y	36:30	0.96	196	-	-	*		Co-elute PCB 116	
PCB-116	4.27e+06	1.57	y	36:30	0.96	196	-	-	*		Co-elute PCB 85	
PCB-120	9.80e+04	1.57	y	36:42	1.14	3.78	-	-	*			
PCB-110	3.25e+07	1.59	y	36:53	1.09	1320	-	-	*			
PCB-82	2.36e+06	1.53	y	37:28	0.66	159	-	-	*			
PCB-124	1.52e+06	1.54	y	38:08	1.19	56.4	-	-	*			
PCB-108	2.60e+06	1.56	y	38:16	1.14	100	-	-	*		Co-elute PCB 107	
PCB-107	2.60e+06	1.56	y	38:16	1.14	100	-	-	*		Co-elute PCB 108	
PCB-123	5.68e+05	1.56	y	38:26	1.09	23.4	-	-	*			
13C-PCB-123	2.23e+07	1.58	y	38:24	1.22	1200				120	3.20e+06	2.01e+06
PCB-118	3.18e+07	1.56	y	38:36	1.13	1230	-	-	*		Co-elute PCB 106	
PCB-106	3.18e+07	1.56	y	38:36	1.13	1230	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.28e+07	1.59	y	38:34	1.30	1140				115	3.16e+06	2.00e+06
PCB-114	8.29e+05	1.45	y	39:14	1.21	29.5	-	-	*			
13C-PCB-114	2.32e+07	1.59	y	39:12	1.29	1180				118	3.13e+06	1.94e+06
PCB-122	3.90e+05	1.43	y	39:20	1.13	15.1	-	-	*			
PCB-105	1.31e+07	1.58	y	40:01	1.18	493	-	-	*			
13C-PCB-105	2.25e+07	1.57	y	39:60	1.27	1160				116	3.05e+06	1.92e+06

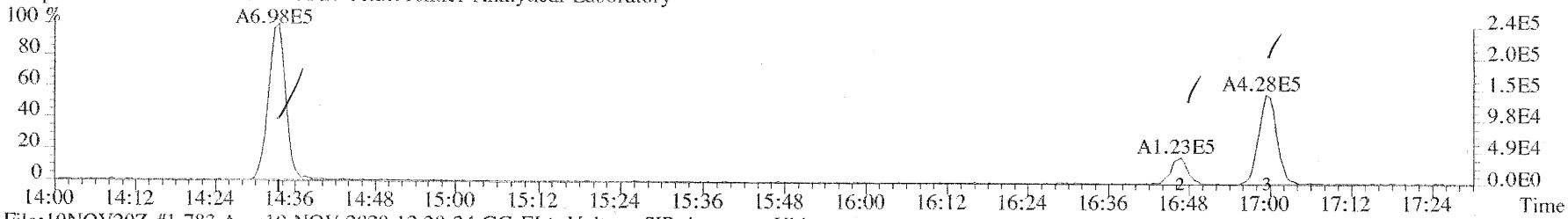
PCB-127	*	*	n	NotFnd	1.10	*	1050	950	0.894				
PCB-126	1.71e+05	1.33	y	42:08	1.15	7.77	-	-	*				
13C-PCB-126	1.91e+07	1.57	y	42:06	1.16	1080				108	2.32e+06	1.48e+06	
PCB-151	8.45e+06	1.28	y	37:51	0.93	546	-	-	*				
PCB-135	4.55e+06	1.26	y	38:04	0.95	287	-	-	*				
PCB-144	1.92e+06	1.27	y	38:11	0.96	120	-	-	*				
PCB-147	7.05e+05	1.25	y	38:18	1.01	42.2	-	-	*				
PCB-139	3.22e+07	1.29	y	38:32	1.01	1910	-	-	*		Co-elute PCB 149		
PCB-149	3.22e+07	1.29	y	38:32	1.01	1910	-	-	*		Co-elute PCB 139		
PCB-140	2.26e+05	1.15	y	38:42	1.04	13.1	-	-	*				
PCB-143	1.73e+06	1.31	y	39:09	0.87	120	-	-	*		Co-elute PCB 134		
PCB-134	1.73e+06	1.31	y	39:09	0.87	120	-	-	*		Co-elute PCB 143		
PCB-131	9.99e+05	1.28	y	39:23	0.88	68.4	-	-	*		Co-elute PCB 133		
PCB-133	9.99e+05	1.28	y	39:23	0.88	68.4	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	860	710	1.22				
PCB-165	6.15e+06	1.27	y	39:47	1.14	324	-	-	*		Co-elute PCB 146		
PCB-146	6.15e+06	1.27	y	39:47	1.14	324	-	-	*		Co-elute PCB 165		
PCB-161	1.09e+07	1.24	y	40:03	1.11	590	-	-	*		Co-elute PCB 132		
PCB-132	1.09e+07	1.24	y	40:03	1.11	590	-	-	*		Co-elute PCB 161		
PCB-153	4.38e+07	1.29	y	40:10	1.12	2350	-	-	*				
PCB-168	7.12e+04	1.18	y	40:23	1.25	3.43	-	-	*				
PCB-141	6.89e+06	1.28	y	40:52	0.97	427	-	-	*				
PCB-137	1.32e+06	1.23	y	41:14	1.02	78.1	-	-	*				
PCB-130	2.08e+06	1.27	y	41:19	0.82	153	-	-	*				
PCB-138	4.55e+07	1.26	y	41:40	1.14	2400	-	-	*		Co-elute PCB 163/164		
PCB-163	4.55e+07	1.26	y	41:40	1.14	2400	-	-	*		Co-elute PCB 138/164		
PCB-164	4.55e+07	1.26	y	41:40	1.14	2400	-	-	*		Co-elute PCB 138/163		
PCB-158	5.09e+06	1.23	y	41:53	1.26	243	-	-	*		Co-elute PCB 160		
PCB-160	5.09e+06	1.23	y	41:53	1.26	243	-	-	*		Co-elute PCB 158		
PCB-129	1.21e+06	1.31	y	42:08	0.83	87.3	-	-	*				
PCB-166	1.27e+05	1.17	y	42:34	1.22	6.24	-	-	*				
PCB-159	5.32e+05	1.20	y	42:56	1.28	25.1	-	-	*				
PCB-128	5.77e+06	1.23	y	43:07	1.08	323	-	-	*		Co-elute PCB 162		
PCB-162	5.77e+06	1.23	y	43:07	1.08	323	-	-	*		Co-elute PCB 128		
PCB-167	1.73e+06	1.26	y	43:30	1.19	81.5	-	-	*				
13C-PCB-167	1.79e+07	1.29	y	43:30	1.13	1040				104	2.00e+06	1.53e+06	
PCB-156	4.37e+06	1.24	y	44:44	1.21	213	-	-	*				
13C-PCB-156	1.69e+07	1.28	y	44:43	1.09	1020				102	2.05e+06	1.59e+06	
PCB-157	8.15e+05	1.24	y	44:59	1.19	40.4	-	-	*				
13C-PCB-157	1.69e+07	1.27	y	44:58	1.09	1010				101	1.95e+06	1.58e+06	
PCB-169	*	*	n	NotFnd	1.12	*	860	710	0.925				
13C-PCB-169	1.47e+07	1.29	y	46:50	1.04	923				92.5	2.15e+06	1.64e+06	

FAL ID: 13416-015-0001-SA Filename: 10NOV20Z Sam:6 Acquired: 10-NOV-20 12:20:34 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-CA-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.02

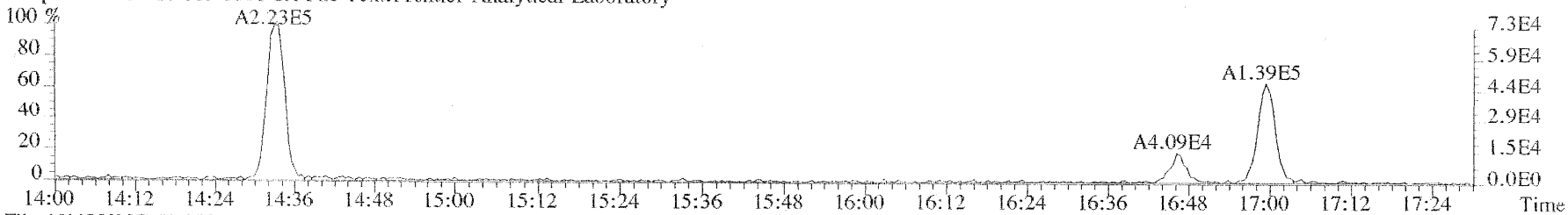
PCB-188	3.10e+04	1.03	y	39:48	1.09	1.86	J	-	-	*			
13C-PCB-188	1.52e+07	1.05	y	39:47	1.06	938					93.9	1.75e+06	1.67e+06
PCB-184	*	*	n	NotFnd	1.27	*		560	524	0.650			
PCB-179	4.83e+06	1.04	y	40:57	1.20	302		-	-	*			
PCB-176	1.63e+06	1.05	y	41:25	1.15	106		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		560	524	0.704			
PCB-178	1.77e+06	1.08	y	42:26	0.84	157		-	-	*			
PCB-175	4.12e+05	1.13	y	42:46	0.88	34.8		-	-	*			
PCB-187	1.16e+07	1.05	y	42:56	0.93	936		-	-	*		Co-elute PCB 182	
PCB-182	1.16e+07	1.05	y	42:56	0.93	936		-	-	*		Co-elute PCB 187	
PCB-183	5.80e+06	1.07	y	43:14	0.94	461		-	-	*			
PCB-185	9.28e+05	1.13	y	43:52	0.87	80.1		-	-	*			
PCB-174	8.16e+06	1.05	y	44:12	0.79	769		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		560	524	0.889			
PCB-177	4.82e+06	1.03	y	44:28	0.82	441		-	-	*			
PCB-171	2.45e+06	1.03	y	44:44	0.87	210		-	-	*			
PCB-173	1.67e+05	1.08	y	45:09	0.76	16.3		-	-	*			
PCB-172	1.38e+06	1.04	y	45:32	0.80	129		-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*		560	524	0.781			
PCB-180	1.84e+07	1.04	y	45:52	0.82	1680		-	-	*			
PCB-193	1.24e+06	1.11	y	46:02	1.13	82.1		-	-	*			
PCB-191	4.68e+05	1.09	y	46:15	1.14	30.9		-	-	*			
PCB-170	7.64e+06	1.05	y	47:09	0.78	730		-	-	*			
PCB-190	2.13e+06	1.02	y	47:19	1.05	151		-	-	*			
PCB-189	3.66e+05	1.14	y	48:30	1.09	29.3		-	-	*			
13C-PCB-189	1.15e+07	1.11	y	48:28	0.89	842					84.4	1.62e+06	1.45e+06
PCB-202	8.57e+05	0.86	y	44:54	1.11	76.0		-	-	*			
PCB-201	6.55e+05	0.90	y	45:22	1.20	53.8		-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*		410	456	0.808			
PCB-197	2.19e+05	0.81	y	45:45	1.27	17.0		-	-	*			
PCB-200	5.63e+05	0.87	y	46:30	1.24	44.8		-	-	*			
PCB-198	1.94e+05	0.94	y	47:41	0.90	21.1		-	-	*			
PCB-199	3.05e+06	0.91	y	47:46	0.84	358		-	-	*			
PCB-203	3.86e+06	0.92	y	48:00	0.96	396		-	-	*		Co-elute PCB 196	
PCB-196	3.86e+06	0.92	y	48:00	0.96	396		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.01e+07	0.92	y	44:54	0.75	880					88.2	1.10e+06	1.14e+06
13C-PCB-178	1.02e+07	1.05	y	42:25	0.80	826					82.8	1.11e+06	1.09e+06
13C-PCB-138	1.52e+07	1.31	y	41:38	-	4.21							
PCB-195	2.04e+06	0.91	y	49:05	0.88	175		-	-	*			
PCB-194	4.70e+06	0.91	y	49:53	0.87	413		-	-	*			
PCB-205	3.22e+05	0.96	y	50:08	1.08	22.6		-	-	*			
13C-PCB-205	1.31e+07	0.91	y	50:07	1.26	996					99.8	1.90e+06	2.14e+06
PCB-208	5.41e+05	1.30	y	49:13	1.08	40.4		-	-	*			
13C-PCB-208	1.24e+07	0.80	y	49:12	1.27	926					92.8	1.80e+06	2.25e+06
PCB-207	2.60e+05	1.23	y	49:30	1.25	19.9		-	-	*			
PCB-206	1.50e+06	1.31	y	51:20	1.11	160		-	-	*			
13C-PCB-206	8.43e+06	0.82	y	51:19	0.87	929					93.1	1.17e+06	1.45e+06
PCB-209	6.91e+05	1.13	y	52:31	1.19	66.1		-	-	*			
13C-PCB-209	8.73e+06	1.22	y	52:30	1.01	826					82.8	1.41e+06	1.14e+06
13C-PCB-194	1.05e+07	0.90	y	49:53	-	3.60							

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

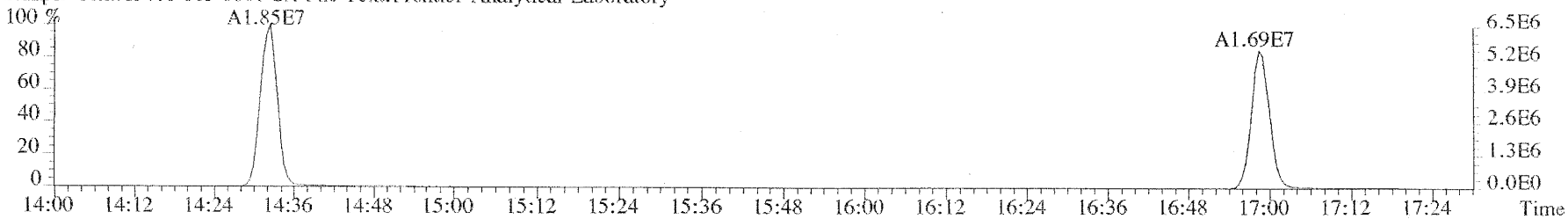
File:10NOV20Z #1-783 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



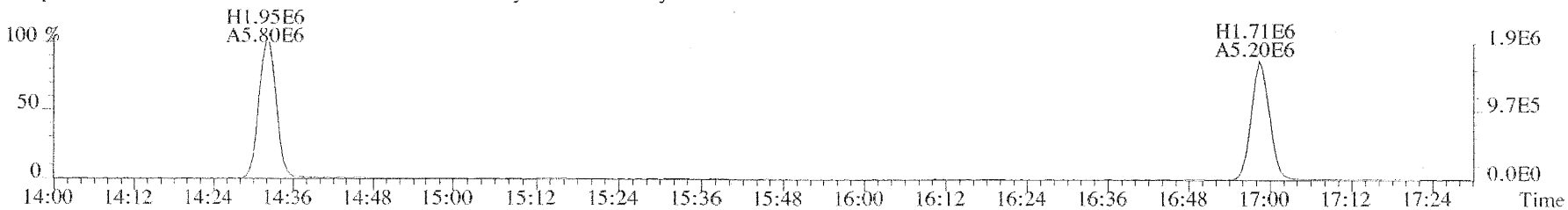
File:10NOV20Z #1-783 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



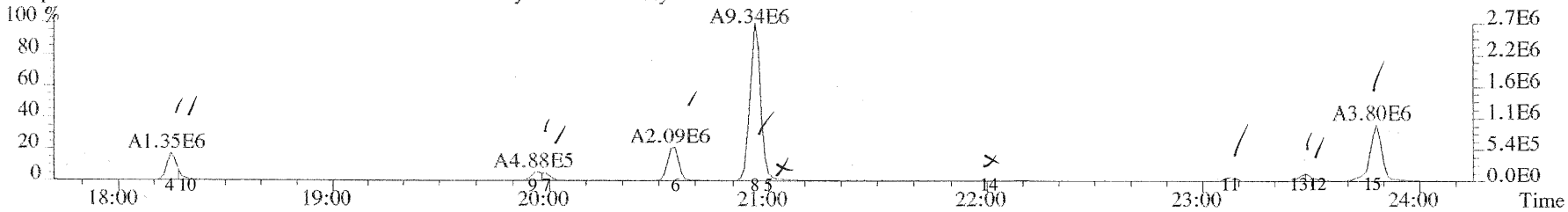
File:10NOV20Z #1-783 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



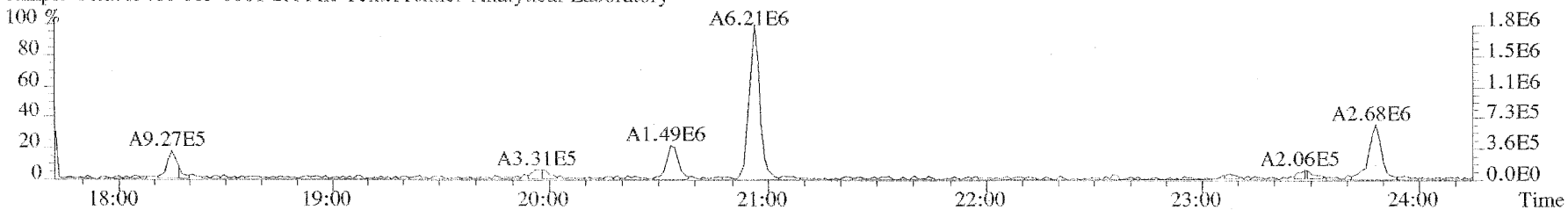
File:10NOV20Z #1-783 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



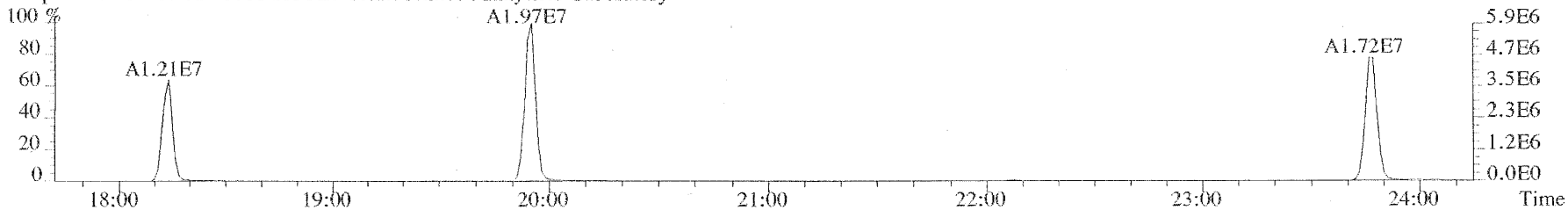
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



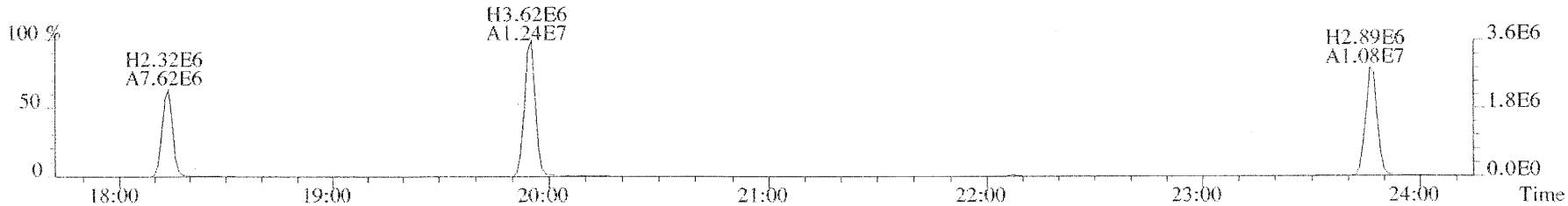
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



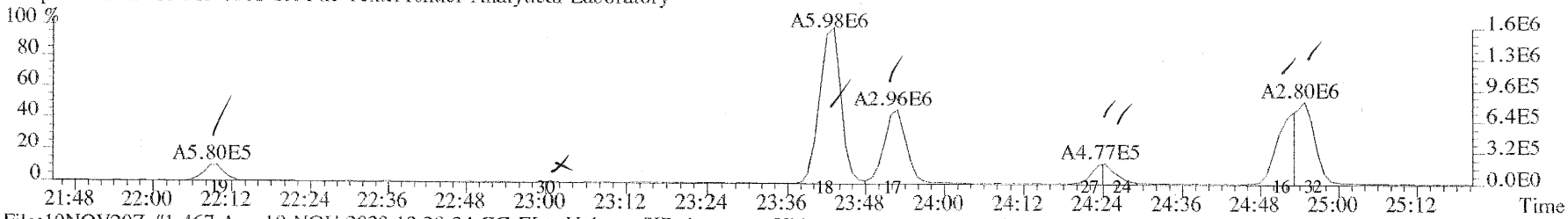
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



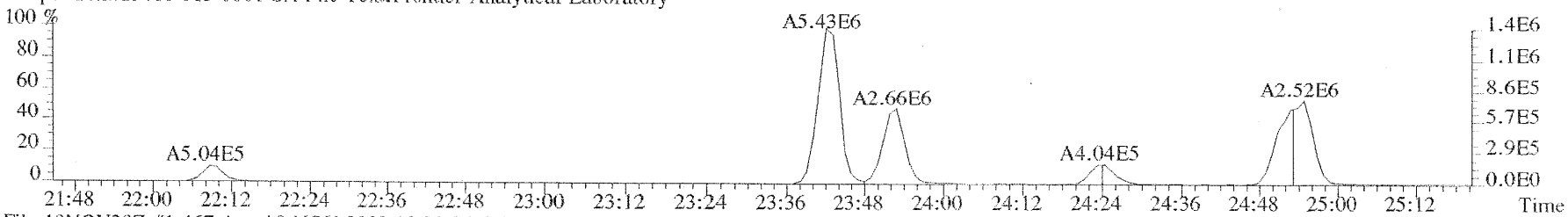
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



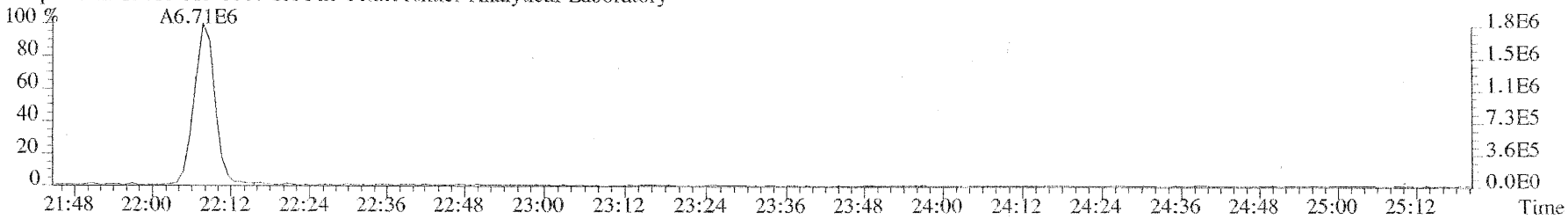
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



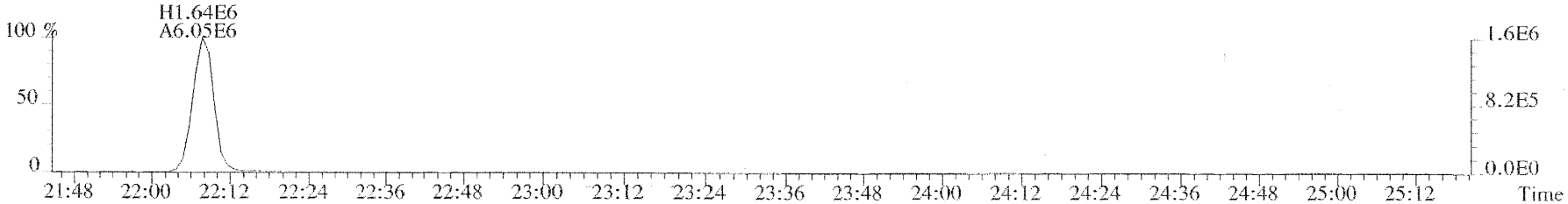
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



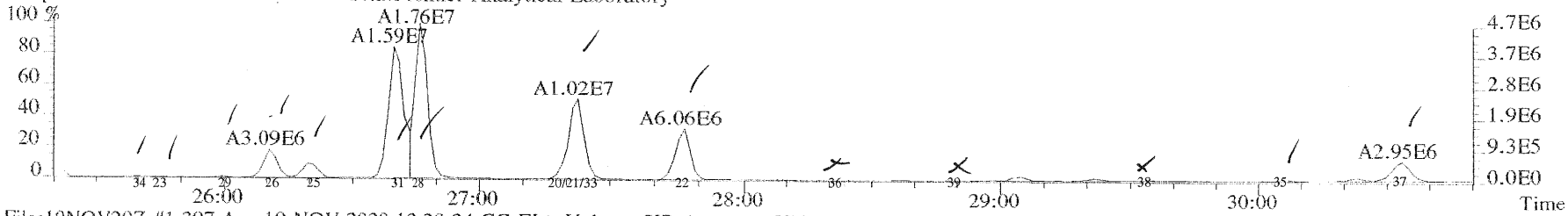
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



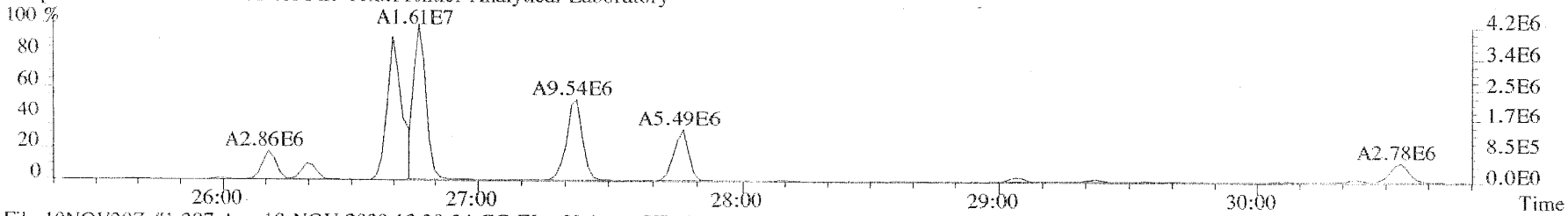
File:10NOV20Z #1-467 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



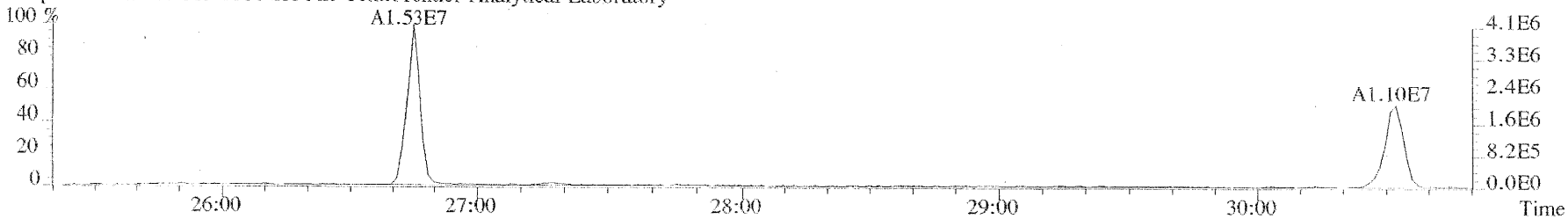
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



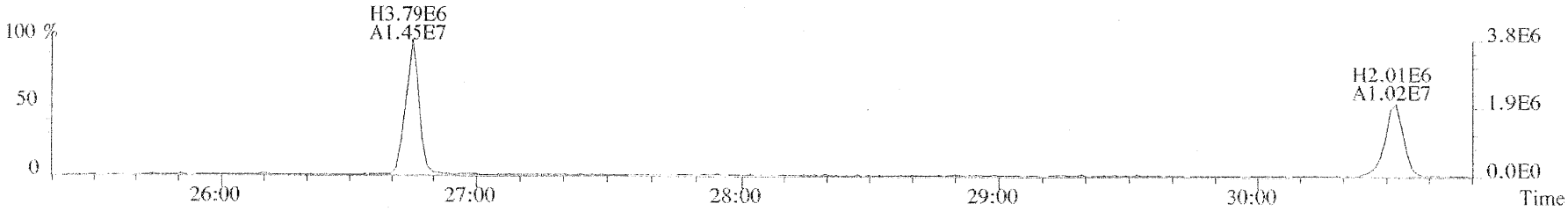
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



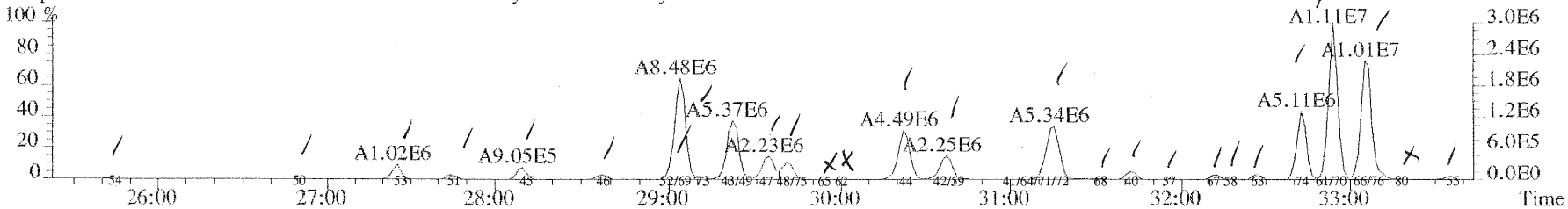
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



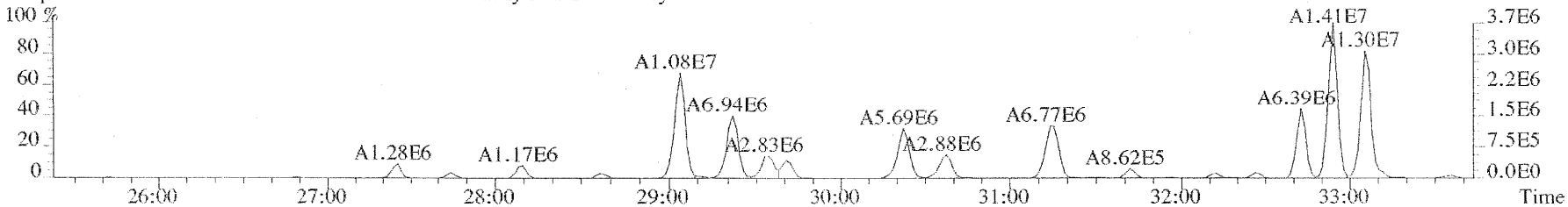
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



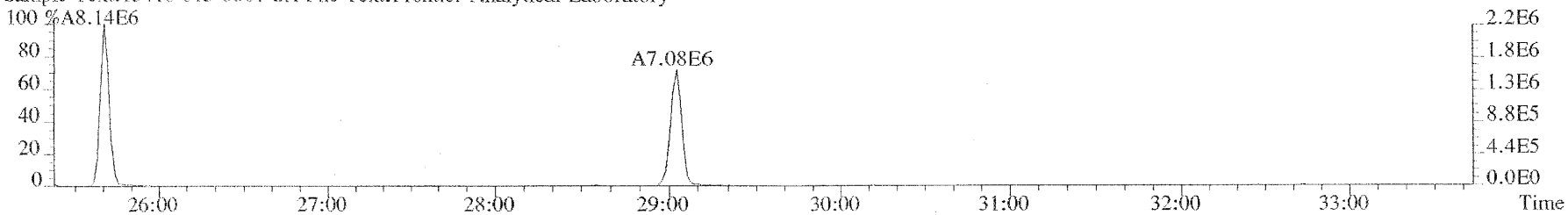
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



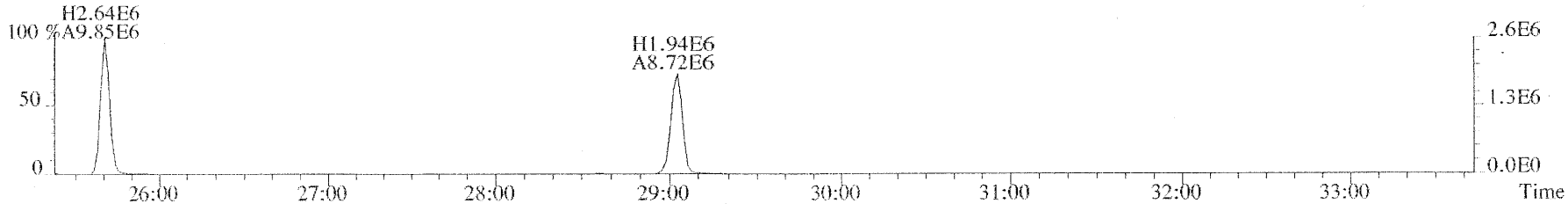
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



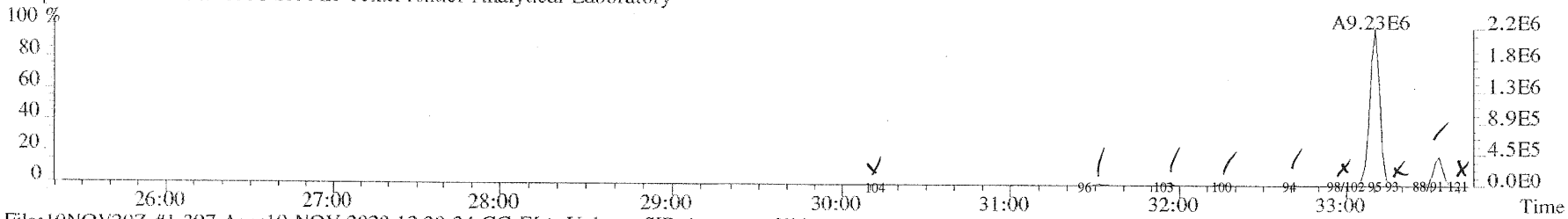
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



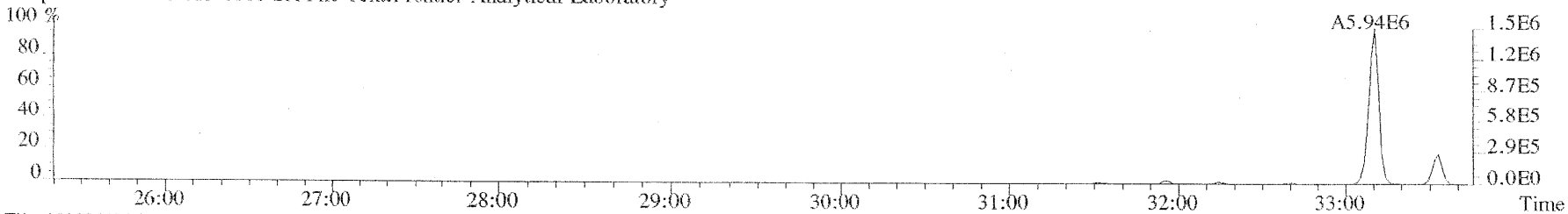
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



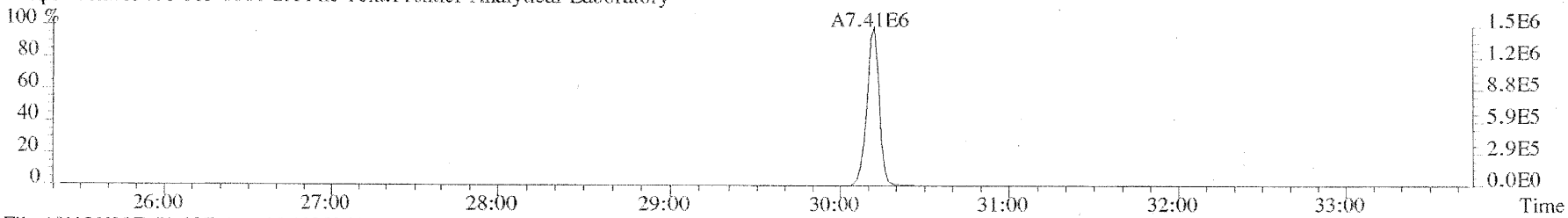
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



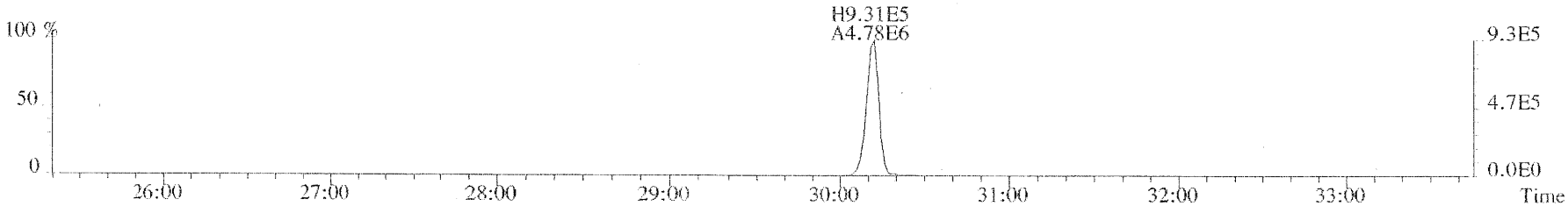
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



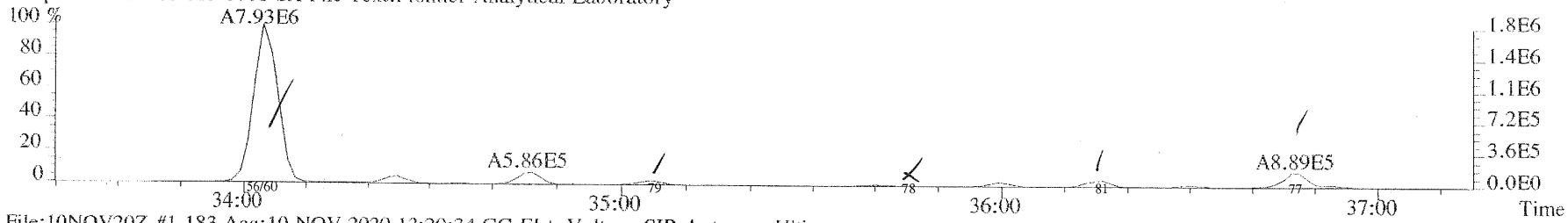
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



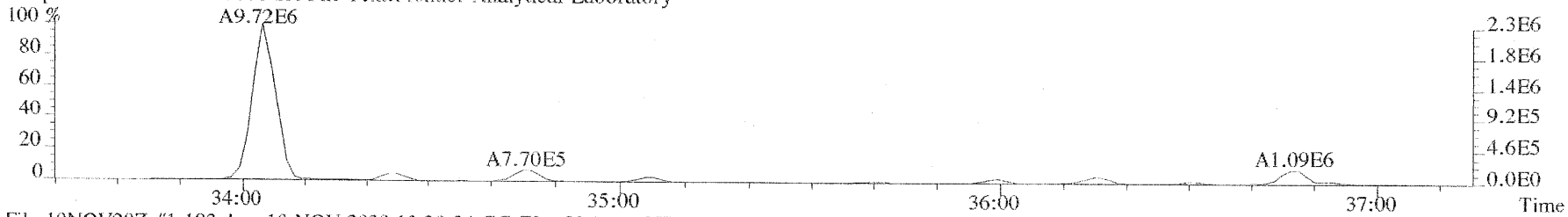
File:10NOV20Z #1-397 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



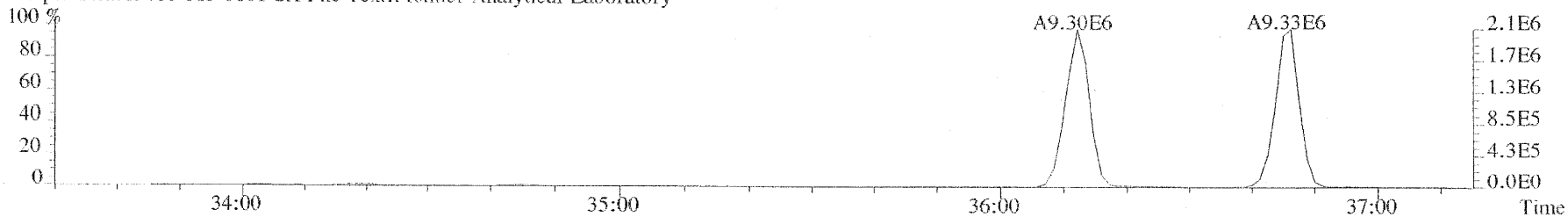
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



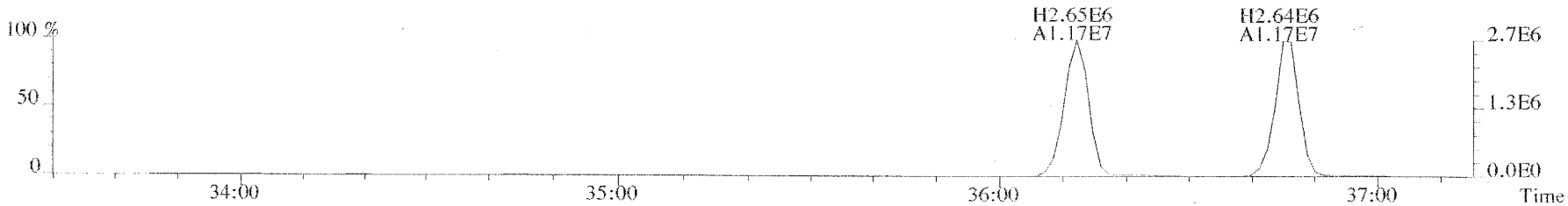
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



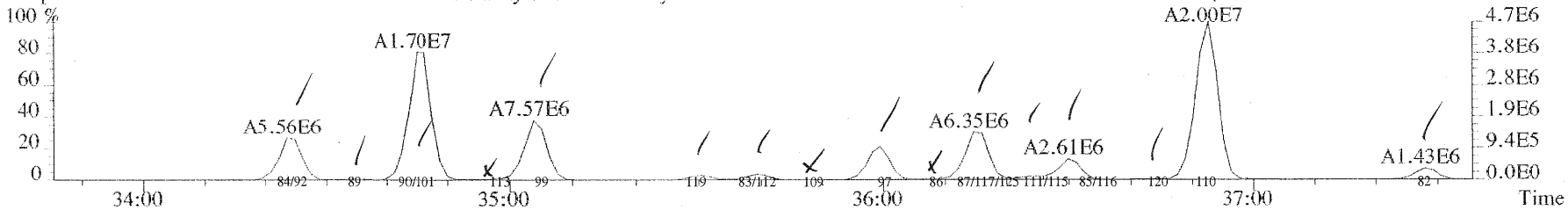
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



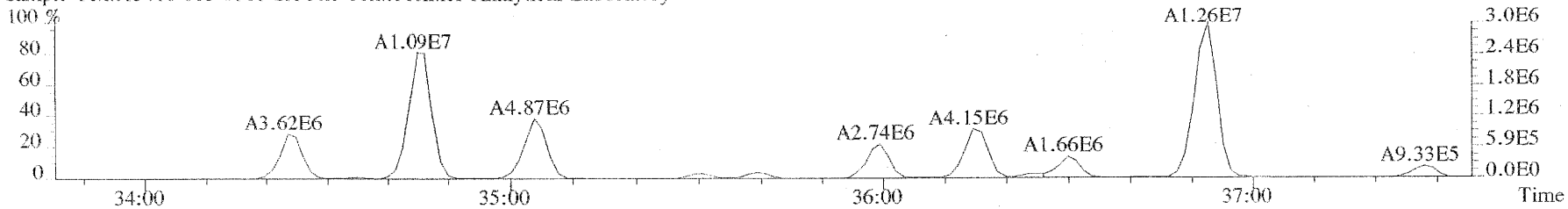
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



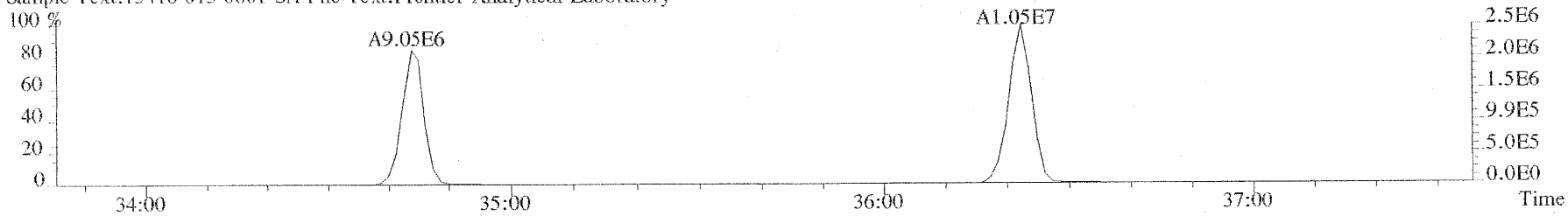
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



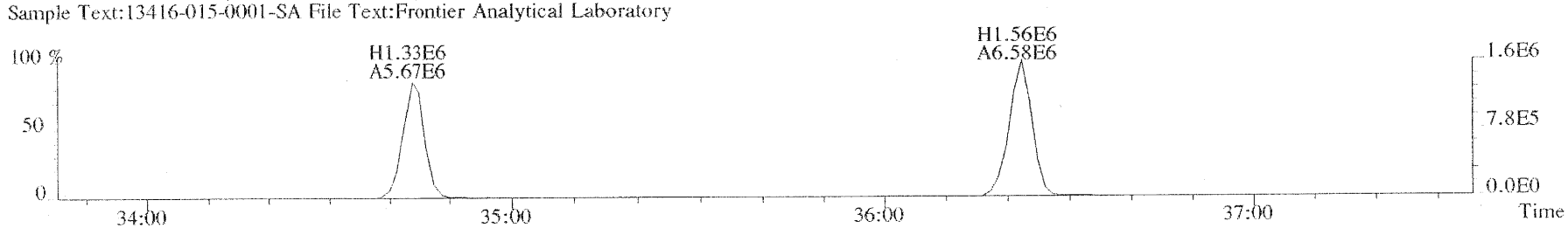
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



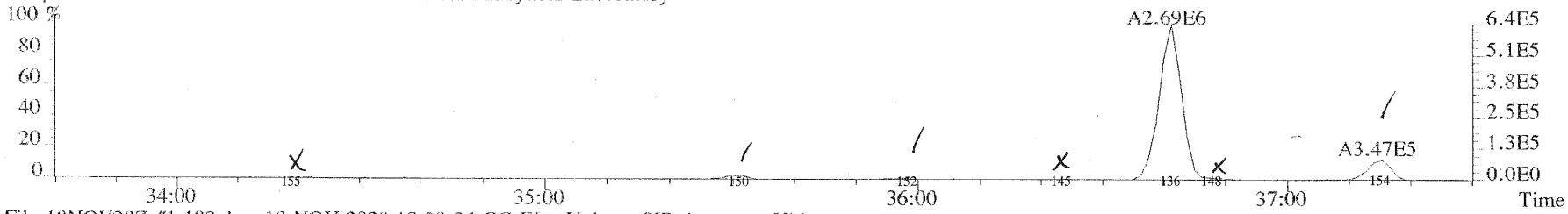
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



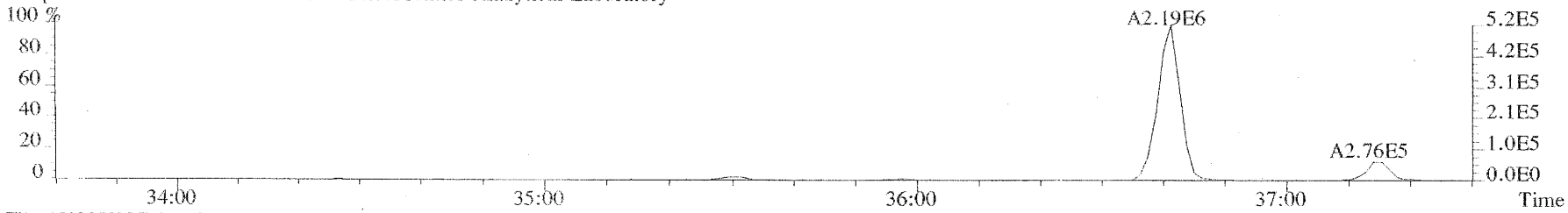
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



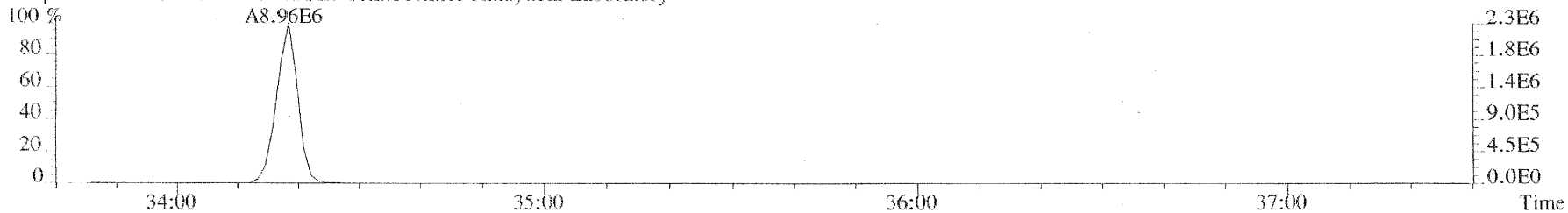
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



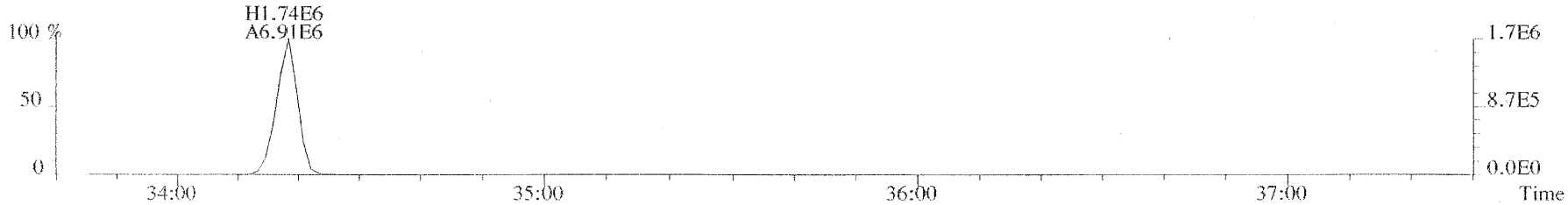
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



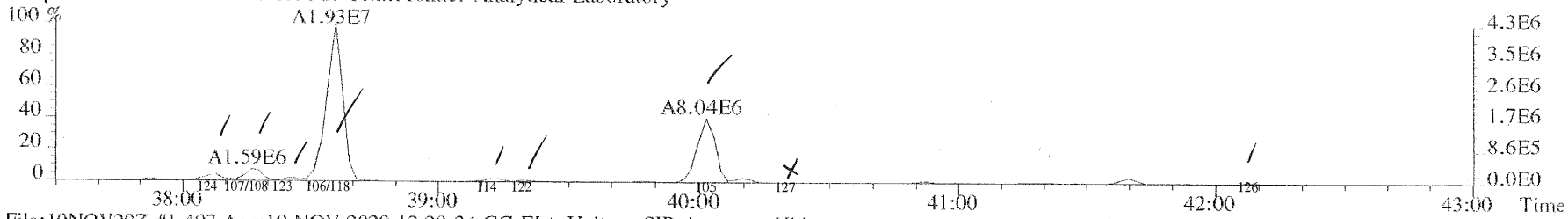
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



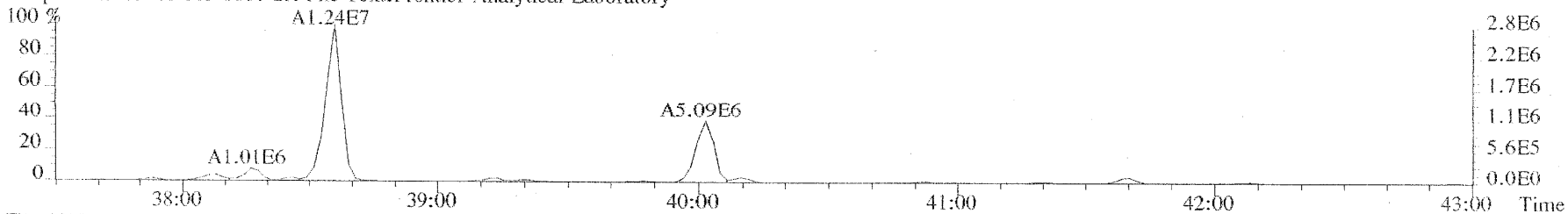
File:10NOV20Z #1-183 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



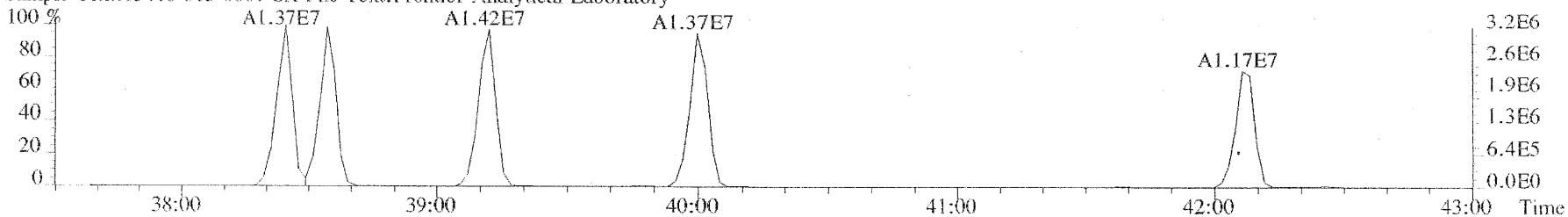
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



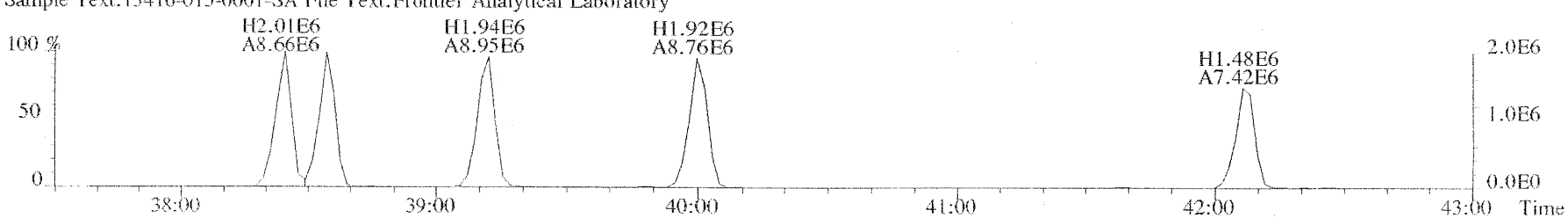
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



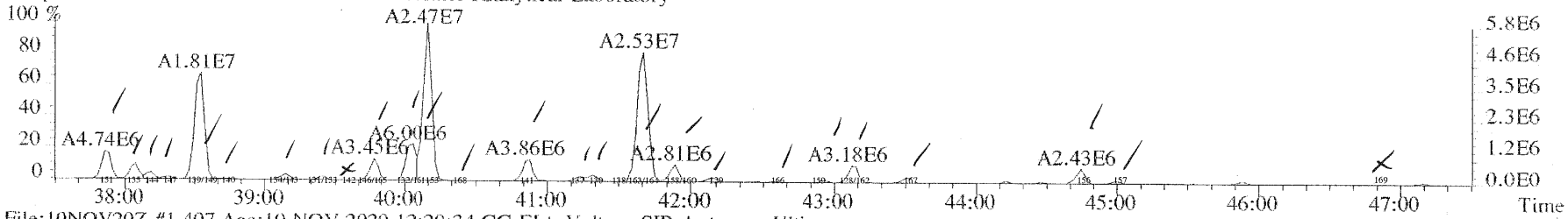
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



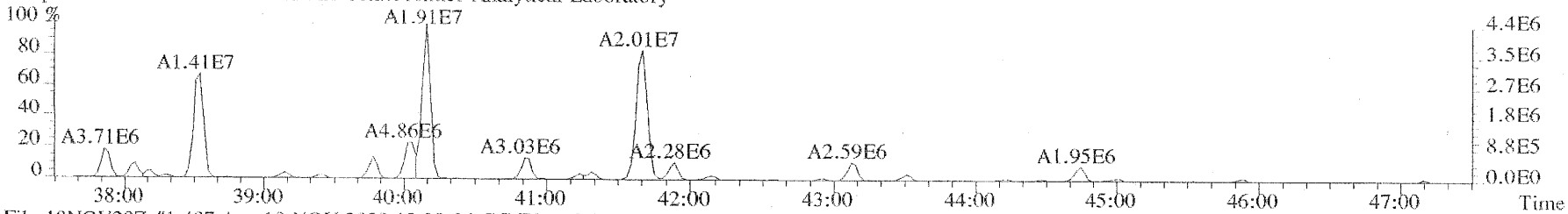
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



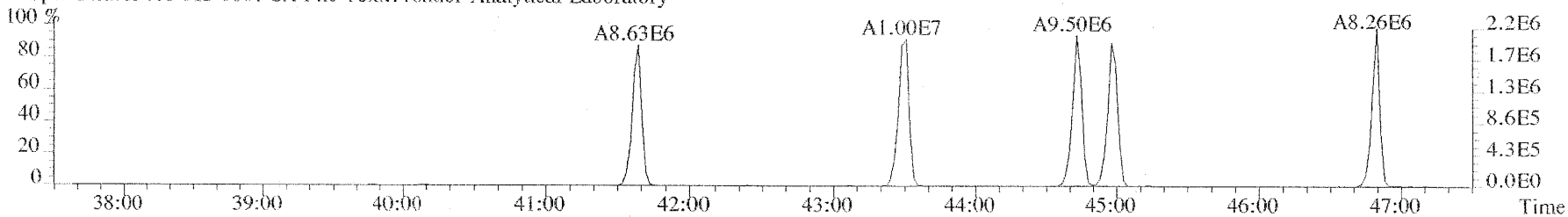
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



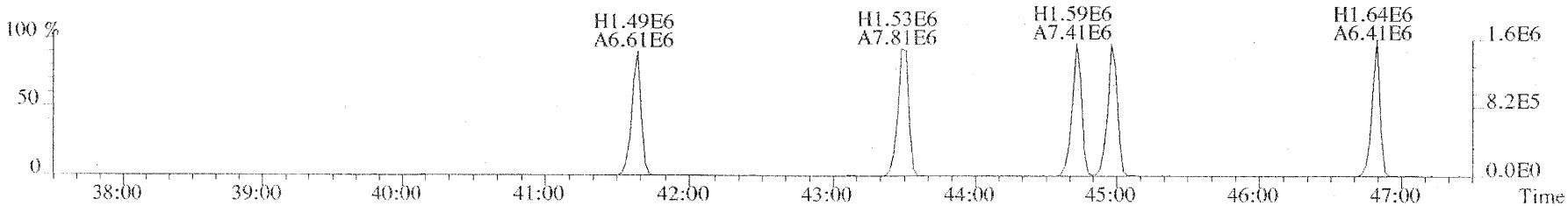
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



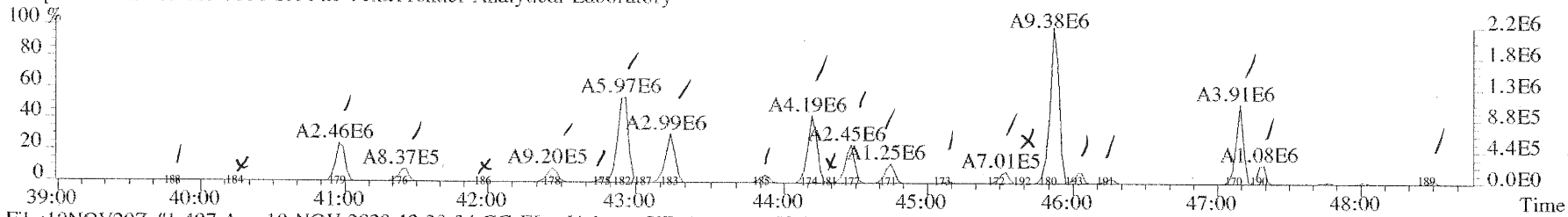
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



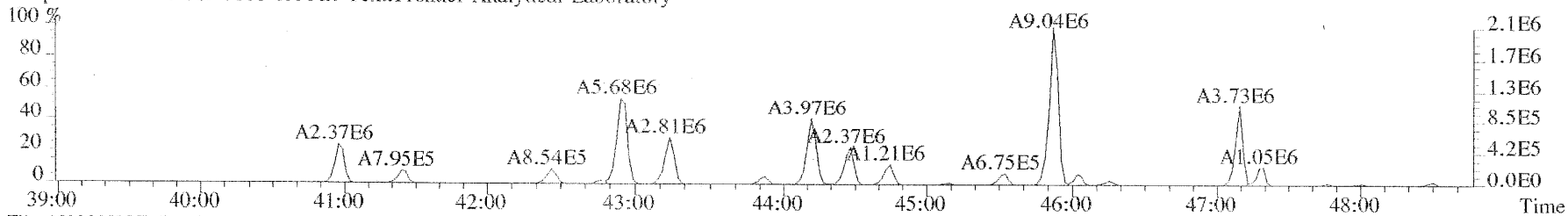
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



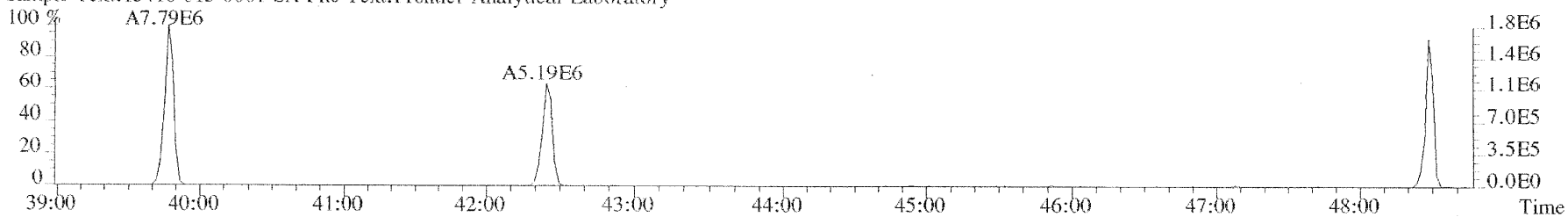
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



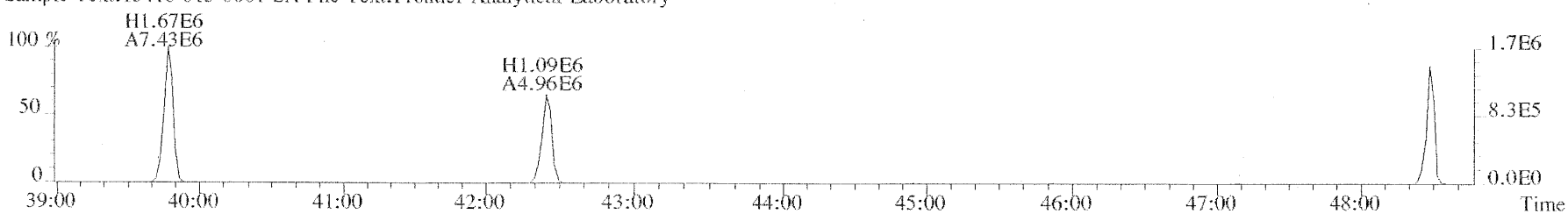
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



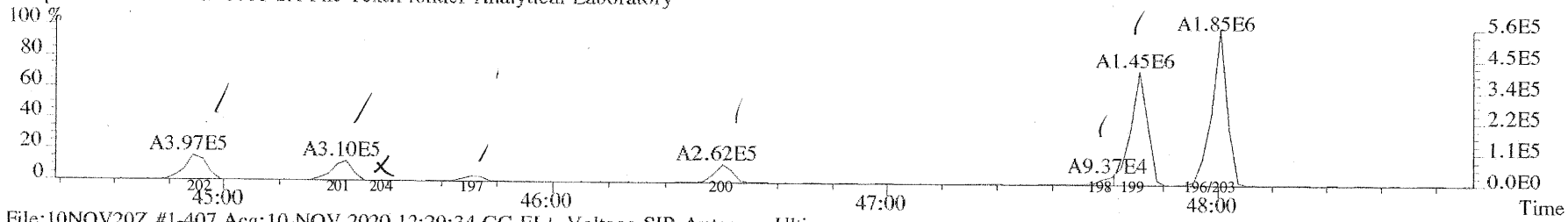
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



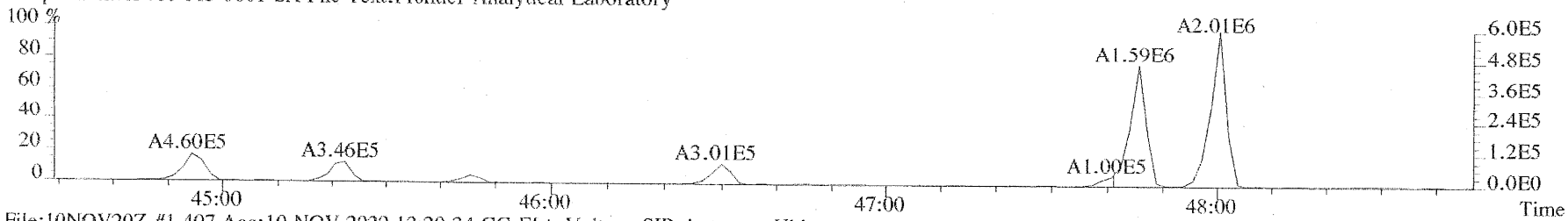
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



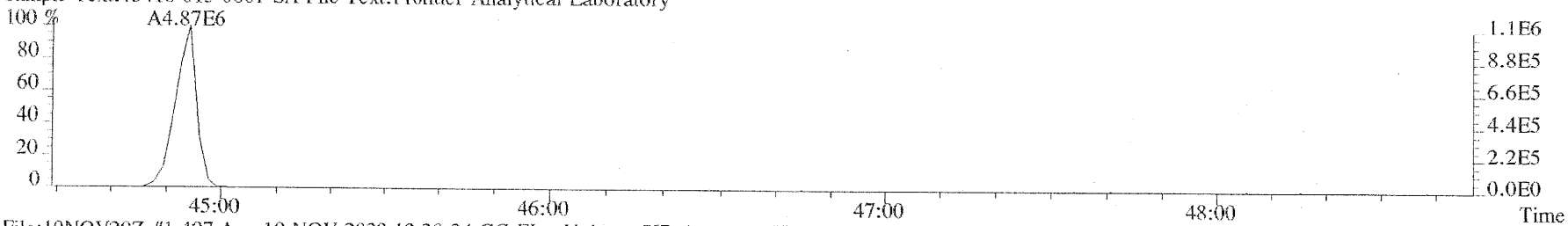
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



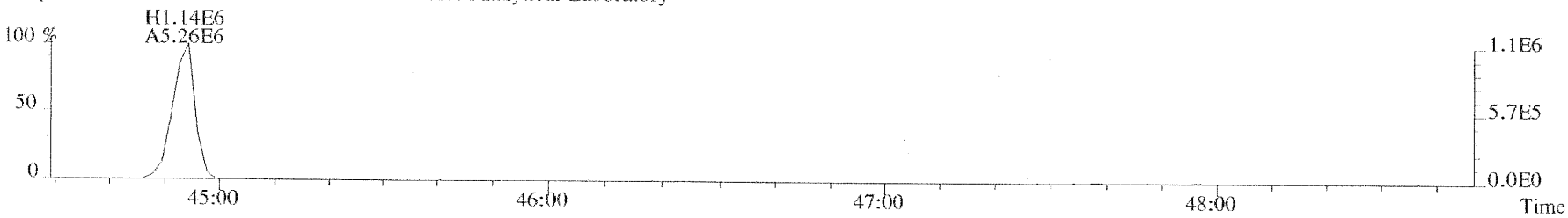
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



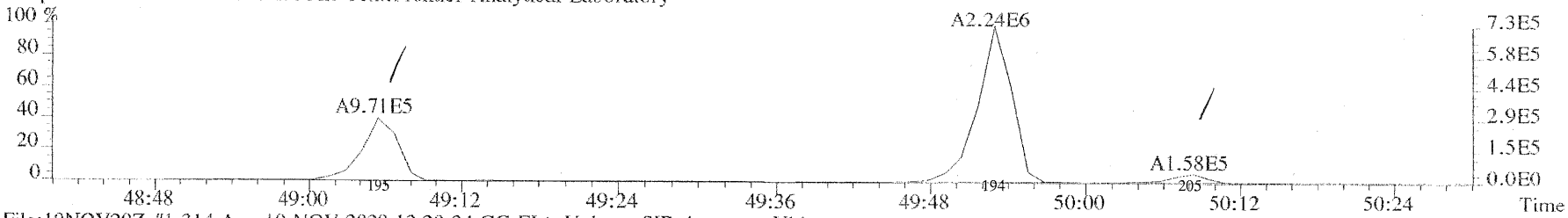
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



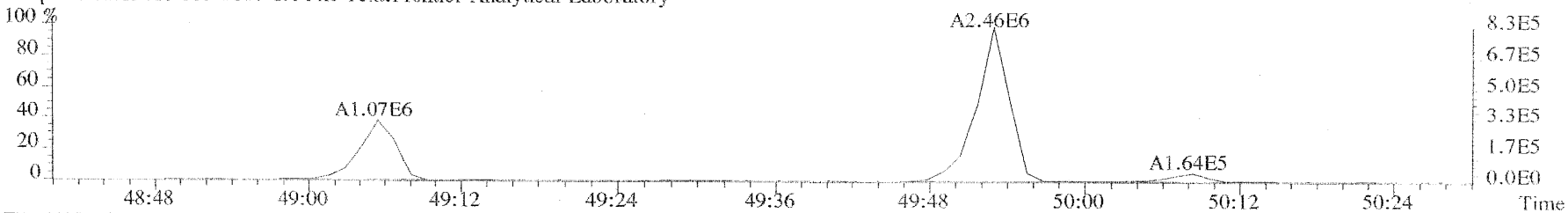
File:10NOV20Z #1-407 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



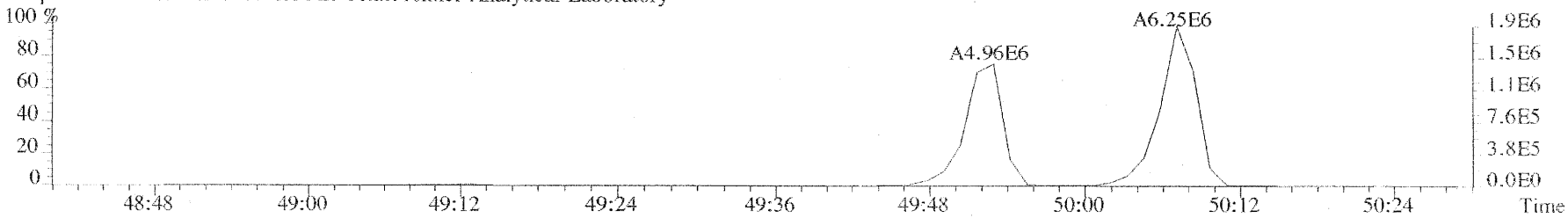
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



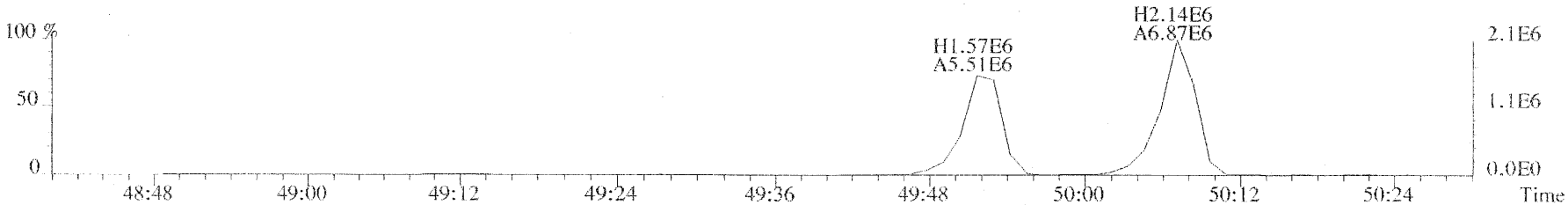
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



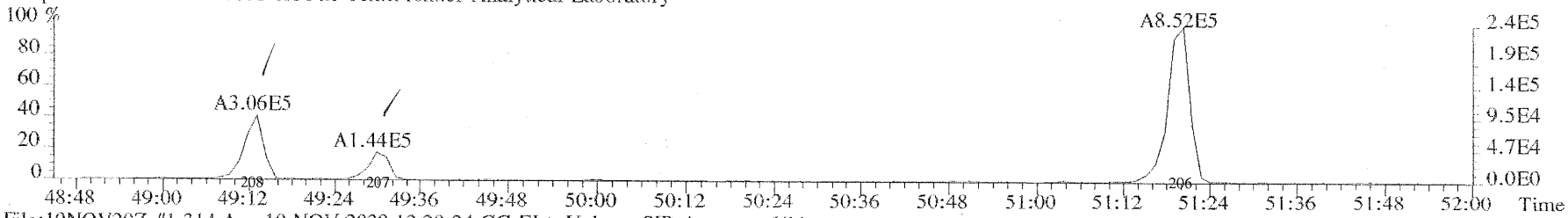
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



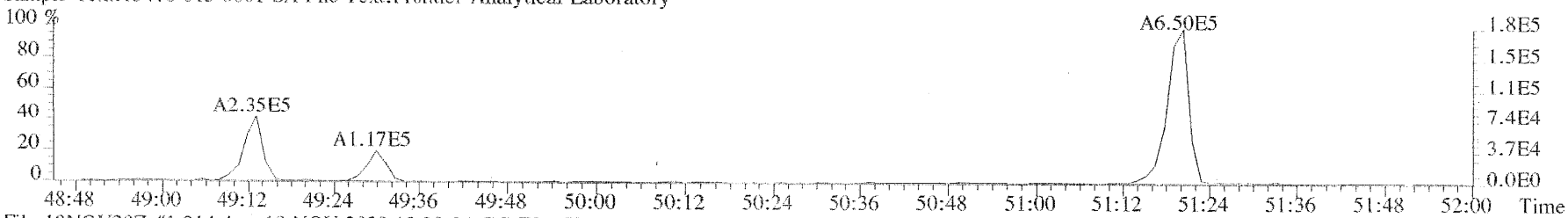
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



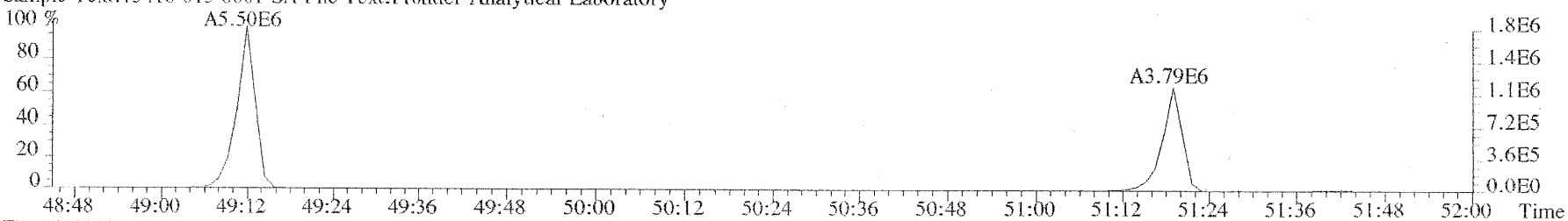
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



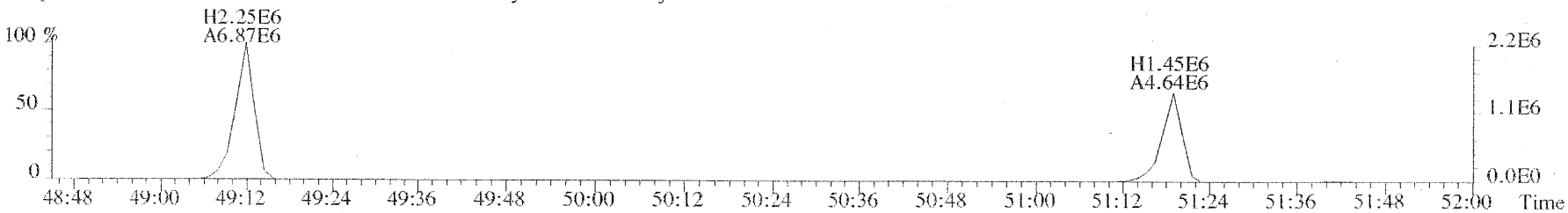
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



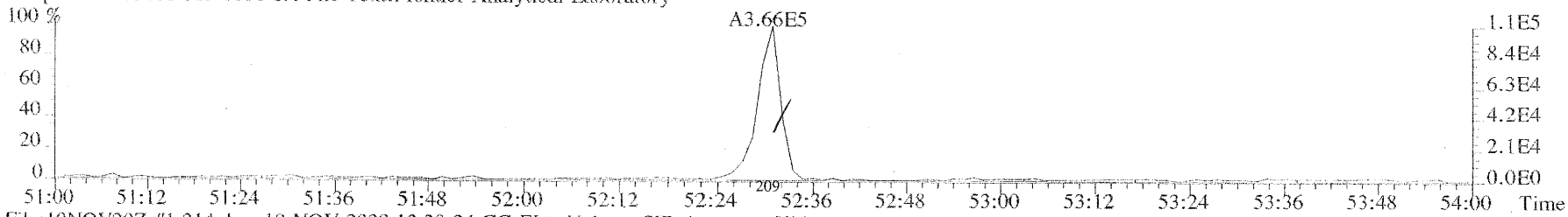
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



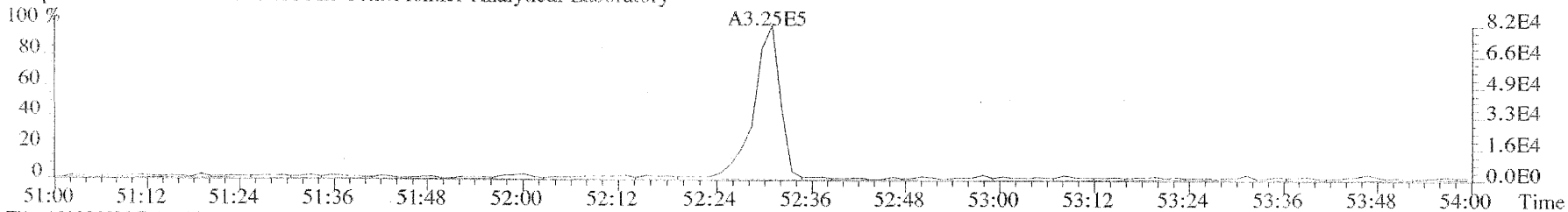
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



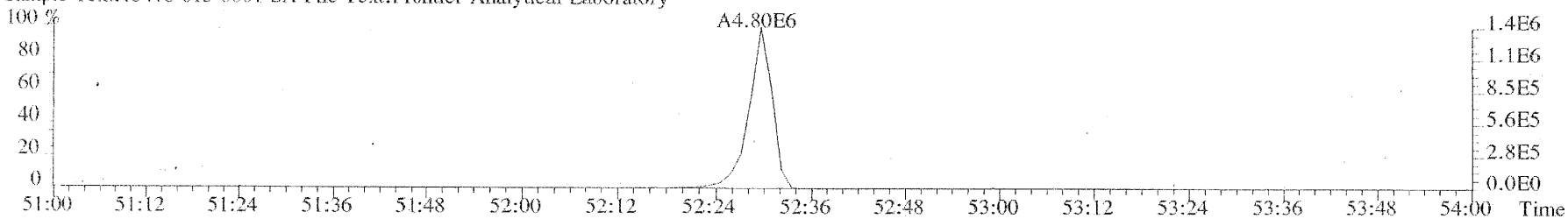
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



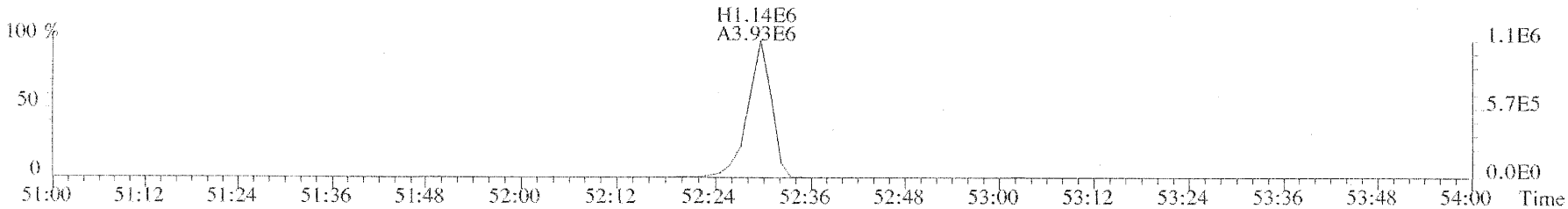
File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-015-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 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:13416-015-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 12:20:34 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:13416-015-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-016-0001-SA Filename: 10NOV20Z Sam:7 Acquired: 10-NOV-20 13:19:20 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-CB-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.04

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	4.18e+05	3.35 y	14:33	1.23	21.4		-	-	*			
13C-PCB-1	1.58e+07	3.13 y	14:32	0.89	788					79.1	3.57e+06	1.13e+06
PCB-2	9.68e+04	3.22 y	16:46	1.25	4.85		-	-	*			
PCB-3	3.00e+05	2.98 y	16:60	1.21	15.4		-	-	*			
13C-PCB-3	1.60e+07	3.19 y	16:59	0.87	815					81.9	3.47e+06	1.07e+06
PCB-4	1.67e+06	1.54 y	18:15	0.97	125		-	-	*			
PCB-10	2.02e+05	1.43 y	18:18	1.52	7.21		-	-	*			
13C-PCB-4	1.37e+07	1.57 y	18:14	0.65	929					93.3	2.16e+06	1.39e+06
PCB-9	5.53e+05	1.66 y	19:57	1.41	21.2		-	-	*			
PCB-7	3.83e+05	1.55 y	19:58	1.43	14.5		-	-	*			
PCB-6	2.74e+06	1.33 y	20:34	1.32	112		-	-	*			
PCB-8	1.13e+07	1.45 y	20:56	1.38	445		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		630	2650	1.29			
PCB-14	*	* n	NotFnd	1.39	*		630	2650	1.25			
PCB-11	4.73e+05	1.45 y	23:08	1.24	20.7		-	-	*			
PCB-13	4.57e+05	1.43 y	23:28	1.29	19.2		-	-	*			
PCB-12	4.65e+05	1.47 y	23:29	1.32	19.1		-	-	*			
PCB-15	5.93e+06	1.42 y	23:48	1.18	217		-	-	*			
13C-PCB-15	2.30e+07	1.61 y	23:46	0.96	1060					107	3.59e+06	2.24e+06
PCB-19	7.95e+05	1.13 y	22:10	1.35	65.1		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1520	710	1.19			
PCB-18	8.53e+06	1.10 y	23:42	1.34	703		-	-	*			
PCB-17	4.31e+06	1.11 y	23:53	1.48	323		-	-	*			
PCB-27	6.70e+05	1.20 y	24:24	1.94	38.3		-	-	*			
PCB-24	6.70e+05	1.20 y	24:24	1.93	38.5		-	-	*			
PCB-16	3.44e+06	1.03 y	24:53	1.64	233		-	-	*			
PCB-32	3.68e+06	1.12 y	24:55	1.69	241		-	-	*			
13C-PCB-19	8.99e+06	1.10 y	22:09	0.45	893					89.7	1.22e+06	1.10e+06
13C-PCB-9	2.25e+07	1.60 y	19:55	-	3.10							
PCB-34	1.49e+05	1.02 y	25:39	1.27	7.05		-	-	*			
PCB-23	4.48e+04	1.04 y	25:44	1.31	2.06		-	-	*			
PCB-29	1.88e+05	1.12 y	25:59	1.30	8.69		-	-	*			
PCB-26	4.89e+06	1.07 y	26:11	1.22	242		-	-	*			
PCB-25	2.90e+06	1.06 y	26:21	1.21	145		-	-	*			
PCB-31	2.35e+07	1.04 y	26:40	1.18	1200		-	-	*			
PCB-28	2.69e+07	1.08 y	26:46	1.51	1080		-	-	*			
PCB-20	1.47e+07	1.09 y	27:23	1.21	729		-	-	*		Co-elute PCB 21/33	
PCB-21	1.47e+07	1.09 y	27:23	1.21	729		-	-	*		Co-elute PCB 20/33	
PCB-33	1.47e+07	1.09 y	27:23	1.21	729		-	-	*		Co-elute PCB 20/21	
PCB-22	9.16e+06	1.08 y	27:47	1.40	395		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		1090	871	1.18			
PCB-39	*	* n	NotFnd	1.21	*		1090	871	1.21			
PCB-38	1.71e+05	1.15 y	29:34	1.17	8.83		-	-	*			
PCB-35	5.10e+05	1.07 y	30:06	1.14	27.0		-	-	*			
PCB-37	5.89e+06	1.14 y	30:34	1.20	296		-	-	*			
13C-PCB-37	1.65e+07	1.08 y	30:33	1.40	1050					105	1.75e+06	1.60e+06

PCB-54	6.08e+04	0.68	y	25:43	1.24	3.78	-	-	*			
PCB-50	4.98e+04	0.82	y	26:49	0.92	4.20	-	-	*			
PCB-53	1.92e+06	0.75	y	27:25	0.91	162	-	-	*			
PCB-51	7.16e+05	0.79	y	27:44	0.98	56.3	-	-	*			
PCB-45	1.55e+06	0.80	y	28:10	0.79	151	-	-	*			
PCB-46	6.11e+05	0.79	y	28:37	0.78	60.7	-	-	*			
PCB-52	1.56e+07	0.78	y	29:04	0.91	1320	-	-	*	Co-elute PCB 69		
PCB-69	1.56e+07	0.78	y	29:04	0.91	1320	-	-	*	Co-elute PCB 52		
PCB-73	2.08e+05	0.70	y	29:10	1.23	13.1	-	-	*			
PCB-43	1.01e+07	0.79	y	29:22	0.82	943	-	-	*	Co-elute PCB 49		
PCB-49	1.01e+07	0.79	y	29:22	0.82	943	-	-	*	Co-elute PCB 43		
PCB-47	4.10e+06	0.77	y	29:34	0.90	351	-	-	*			
PCB-48	2.72e+06	0.80	y	29:42	1.05	199	-	-	*	Co-elute PCB 75		
PCB-75	2.72e+06	0.80	y	29:42	1.05	199	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	772	840	1.09			
PCB-62	*	*	n	NotFnd	1.12	*	772	840	1.06			
PCB-44	8.21e+06	0.79	y	30:24	0.73	865	-	-	*			
PCB-42	4.16e+06	0.79	y	30:38	0.96	335	-	-	*	Co-elute PCB 59		
PCB-59	4.16e+06	0.79	y	30:38	0.96	335	-	-	*	Co-elute PCB 42		
PCB-72	9.89e+06	0.78	y	31:15	1.05	728	-	-	*	Co-elute PCB 41/71/64		
PCB-41	9.89e+06	0.78	y	31:15	1.05	728	-	-	*	Co-elute PCB 72/71/64		
PCB-71	9.89e+06	0.78	y	31:15	1.05	728	-	-	*	Co-elute PCB 72/41/64		
PCB-64	9.89e+06	0.78	y	31:15	1.05	728	-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.07e+05	0.86	y	31:31	1.28	6.42	-	-	*			
PCB-40	1.26e+06	0.80	y	31:40	0.69	141	-	-	*			
PCB-57	1.09e+05	0.84	y	31:55	1.13	7.42	-	-	*			
PCB-67	6.97e+05	0.71	y	32:11	1.17	46.1	-	-	*			
PCB-58	6.39e+04	0.68	y	32:16	1.13	4.37	-	-	*			
PCB-63	7.32e+05	0.77	y	32:26	1.13	49.8	-	-	*			
PCB-74	9.14e+06	0.77	y	32:43	1.15	611	-	-	*			
PCB-61	2.07e+07	0.78	y	32:54	1.06	1510	-	-	*	Co-elute PCB 70		
PCB-70	2.07e+07	0.78	y	32:54	1.06	1510	-	-	*	Co-elute PCB 61		
PCB-76	1.94e+07	0.78	y	33:05	1.21	1240	-	-	*	Co-elute PCB 66		
PCB-66	1.94e+07	0.78	y	33:05	1.21	1240	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	772	840	0.867			
PCB-55	4.99e+05	0.83	y	33:35	1.19	32.3	-	-	*			
13C-PCB-54	1.29e+07	0.83	y	25:40	1.24	922					92.5	1.55e+06 1.83e+06
PCB-104	*	*	n	NotFnd	1.14	*	476	488	1.15			
PCB-96	1.19e+05	1.64	y	31:32	1.10	12.6	-	-	*			
PCB-103	2.63e+05	1.55	y	31:55	0.90	33.9	-	-	*			
PCB-100	1.64e+05	1.48	y	32:14	0.91	20.9	-	-	*			
PCB-94	7.82e+04	1.43	y	32:40	0.76	11.9	-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*	476	488	1.68	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	476	488	1.68	Co-elute PCB 98		
PCB-95	1.30e+07	1.59	y	33:09	0.84	1790	-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*	476	488	1.67			
PCB-88	2.42e+06	1.54	y	33:32	0.89	315	-	-	*	Co-elute PCB 91		
PCB-91	2.42e+06	1.54	y	33:32	0.89	315	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	476	488	1.34			
13C-PCB-104	8.57e+06	1.55	y	30:12	0.98	777					78.1	1.11e+06 7.19e+05
13C-PCB-28	2.09e+07	1.09	y	26:45	1.74	1070					107	2.61e+06 2.42e+06
13C-PCB-52	1.12e+07	0.80	y	29:03	-	2.87						

PCB-56	1.51e+07	0.81	y	34:03	1.23	752	-	-	*		Co-elute PCB 60	
PCB-60	1.51e+07	0.81	y	34:03	1.23	752	-	-	*		Co-elute PCB 56	
PCB-79	4.44e+05	0.70	y	35:04	1.25	21.7	-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*	770	900	0.834			
PCB-81	6.80e+05	0.71	y	36:15	1.25	32.7	-	-	*			
13C-PCB-81	1.65e+07	0.78	y	36:12	1.33	1210				122	1.82e+06	2.37e+06
PCB-77	2.03e+06	0.80	y	36:46	1.11	113	-	-	*			
13C-PCB-77	1.61e+07	0.81	y	36:45	1.39	1130				114	1.76e+06	2.19e+06
PCB-155	*	*	n	NotFnd	1.10	*	660	520	0.988			
PCB-150	1.12e+05	1.29	y	35:31	1.04	9.68	-	-	*			
PCB-152	3.41e+04	1.17	y	35:58	1.01	3.05	-	-	*			
PCB-145	*	*	n	NotFnd	1.02	*	660	520	1.06			
PCB-136	4.12e+06	1.26	y	36:41	0.99	372	-	-	*			
PCB-148	*	*	n	NotFnd	0.78	*	660	520	1.39			
PCB-154	5.83e+05	1.22	y	37:16	0.88	59.5	-	-	*			
13C-PCB-155	1.11e+07	1.27	y	34:19	1.18	919				92.3	1.51e+06	1.19e+06
13C-PCB-111	1.13e+07	1.60	y	36:22	1.26	876				88.0	1.72e+06	1.08e+06
13C-PCB-101	1.01e+07	1.62	y	34:44	-	2.87						
PCB-84	8.14e+06	1.55	y	34:24	0.78	671	-	-	*		Co-elute PCB 92	
PCB-92	8.14e+06	1.55	y	34:24	0.78	671	-	-	*		Co-elute PCB 84	
PCB-89	2.13e+05	1.47	y	34:35	0.77	17.8	-	-	*			
PCB-90	2.46e+07	1.59	y	34:45	0.85	1860	-	-	*		Co-elute PCB 101	
PCB-101	2.46e+07	1.59	y	34:45	0.85	1860	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.96	*	750	660	0.988			
PCB-99	1.10e+07	1.53	y	35:04	0.94	750	-	-	*			
PCB-119	8.64e+05	1.46	y	35:31	1.06	52.3	-	-	*			
PCB-83	1.01e+06	1.55	y	35:39	0.88	73.9	-	-	*		Co-elute PCB 112	
PCB-112	1.01e+06	1.55	y	35:39	0.88	73.9	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	1.04	*	750	660	0.916			
PCB-97	5.96e+06	1.55	y	35:60	0.73	523	-	-	*			
PCB-86	*	*	n	NotFnd	0.76	*	750	660	1.25			
PCB-125	9.30e+06	1.55	y	36:15	0.94	634	-	-	*		Co-elute PCB 87/117	
PCB-87	9.30e+06	1.55	y	36:15	0.94	634	-	-	*		Co-elute PCB 125/117	
PCB-117	9.30e+06	1.55	y	36:15	0.94	634	-	-	*		Co-elute PCB 125/87	
PCB-111	5.96e+05	1.55	y	36:24	1.06	36.0	-	-	*		Co-elute PCB 115	
PCB-115	5.96e+05	1.55	y	36:24	1.06	36.0	-	-	*		Co-elute PCB 111	
PCB-85	3.70e+06	1.61	y	36:30	0.96	248	-	-	*		Co-elute PCB 116	
PCB-116	3.70e+06	1.61	y	36:30	0.96	248	-	-	*		Co-elute PCB 85	
PCB-120	1.12e+05	1.33	y	36:44	1.14	6.32	-	-	*			
PCB-110	2.94e+07	1.57	y	36:53	1.09	1740	-	-	*			
PCB-82	2.08e+06	1.57	y	37:28	0.66	204	-	-	*			
PCB-124	1.39e+06	1.55	y	38:08	1.19	75.3	-	-	*			
PCB-108	2.30e+06	1.54	y	38:16	1.14	130	-	-	*		Co-elute PCB 107	
PCB-107	2.30e+06	1.54	y	38:16	1.14	130	-	-	*		Co-elute PCB 108	
PCB-123	5.36e+05	1.70	y	38:26	1.09	32.5	-	-	*			
13C-PCB-123	1.51e+07	1.55	y	38:24	1.22	1160				117	2.23e+06	1.41e+06
PCB-118	2.95e+07	1.54	y	38:36	1.13	1630	-	-	*		Co-elute PCB 106	
PCB-106	2.95e+07	1.54	y	38:36	1.13	1630	-	-	*		Co-elute PCB 118	
13C-PCB-118	1.60e+07	1.61	y	38:34	1.30	1150				115	2.50e+06	1.52e+06
PCB-114	7.53e+05	1.54	y	39:14	1.21	39.8	-	-	*			
13C-PCB-114	1.56e+07	1.60	y	39:12	1.29	1140				114	2.25e+06	1.34e+06
PCB-122	3.42e+05	1.60	y	39:20	1.13	19.4	-	-	*			
PCB-105	1.24e+07	1.57	y	40:02	1.18	688	-	-	*			
13C-PCB-105	1.53e+07	1.60	y	39:60	1.27	1130				113	2.21e+06	1.37e+06

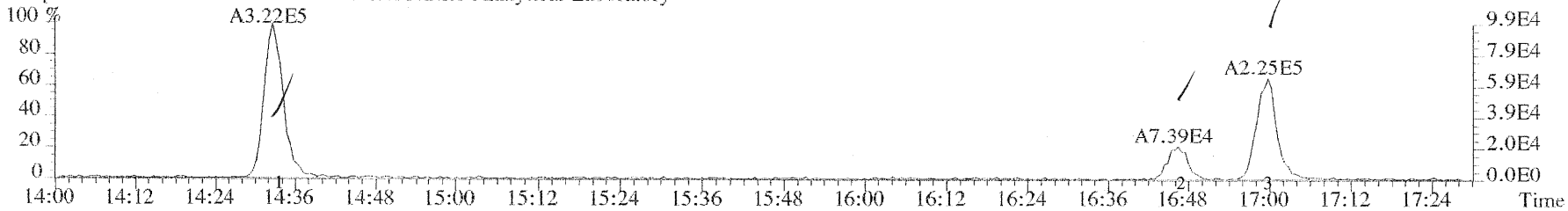
PCB-127	*	*	n	NotFnd	1.10	*	940	840	1.10			
PCB-126	1.51e+05	1.52	y	42:08	1.15	9.09	-	-	*			
13C-PCB-126	1.44e+07	1.56	y	42:07	1.16	1170				117	1.95e+06	1.27e+06
PCB-151	6.88e+06	1.27	y	37:52	0.93	645	-	-	*			
PCB-135	3.72e+06	1.22	y	38:05	0.95	341	-	-	*			
PCB-144	1.55e+06	1.28	y	38:10	0.96	141	-	-	*			
PCB-147	6.96e+05	1.24	y	38:18	1.01	60.5	-	-	*			
PCB-139	2.69e+07	1.28	y	38:33	1.01	2320	-	-	*	Co-elute PCB 149		
PCB-149	2.69e+07	1.28	y	38:33	1.01	2320	-	-	*	Co-elute PCB 139		
PCB-140	2.36e+05	1.30	y	38:44	1.04	19.8	-	-	*			
PCB-143	1.49e+06	1.31	y	39:09	0.87	151	-	-	*	Co-elute PCB 134		
PCB-134	1.49e+06	1.31	y	39:09	0.87	151	-	-	*	Co-elute PCB 143		
PCB-131	8.64e+05	1.19	y	39:25	0.88	86.0	-	-	*	Co-elute PCB 133		
PCB-133	8.64e+05	1.19	y	39:25	0.88	86.0	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	870	650	1.64			
PCB-165	5.31e+06	1.27	y	39:47	1.14	406	-	-	*	Co-elute PCB 146		
PCB-146	5.31e+06	1.27	y	39:47	1.14	406	-	-	*	Co-elute PCB 165		
PCB-161	9.08e+06	1.22	y	40:03	1.11	717	-	-	*	Co-elute PCB 132		
PCB-132	9.08e+06	1.22	y	40:03	1.11	717	-	-	*	Co-elute PCB 161		
PCB-153	3.70e+07	1.28	y	40:10	1.12	2880	-	-	*			
PCB-168	*	*	n	NotFnd	1.25	*	870	650	1.17			
PCB-141	5.53e+06	1.26	y	40:51	0.97	498	-	-	*			
PCB-137	1.24e+06	1.20	y	41:14	1.02	107	-	-	*			
PCB-130	1.90e+06	1.24	y	41:19	0.82	204	-	-	*			
PCB-138	3.86e+07	1.29	y	41:40	1.14	2960	-	-	*	Co-elute PCB 163/164		
PCB-163	3.86e+07	1.29	y	41:40	1.14	2960	-	-	*	Co-elute PCB 138/164		
PCB-164	3.86e+07	1.29	y	41:40	1.14	2960	-	-	*	Co-elute PCB 138/163		
PCB-158	4.39e+06	1.29	y	41:54	1.26	305	-	-	*	Co-elute PCB 160		
PCB-160	4.39e+06	1.29	y	41:54	1.26	305	-	-	*	Co-elute PCB 158		
PCB-129	1.10e+06	1.26	y	42:08	0.83	116	-	-	*			
PCB-166	1.39e+05	1.18	y	42:35	1.22	9.96	-	-	*			
PCB-159	3.90e+05	1.29	y	42:56	1.28	26.6	-	-	*			
PCB-128	5.31e+06	1.28	y	43:08	1.08	432	-	-	*	Co-elute PCB 162		
PCB-162	5.31e+06	1.28	y	43:08	1.08	432	-	-	*	Co-elute PCB 128		
PCB-167	1.63e+06	1.32	y	43:31	1.19	114	-	-	*			
13C-PCB-167	1.20e+07	1.29	y	43:29	1.13	998				100	1.40e+06	1.11e+06
PCB-156	3.96e+06	1.24	y	44:45	1.21	279	-	-	*			
13C-PCB-156	1.16e+07	1.29	y	44:43	1.09	1000				101	1.49e+06	1.17e+06
PCB-157	8.27e+05	1.22	y	45:00	1.19	59.0	-	-	*			
13C-PCB-157	1.17e+07	1.28	y	44:58	1.09	1010				101	1.43e+06	1.14e+06
PCB-169	*	*	n	NotFnd	1.12	*	870	650	1.29			
13C-PCB-169	1.02e+07	1.25	y	46:50	1.04	920				92.3	1.46e+06	1.17e+06

FAL ID: 13416-016-0001-SA Filename: 10NOV20Z Sam:7 Acquired: 10-NOV-20 13:19:20 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-CB-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.04

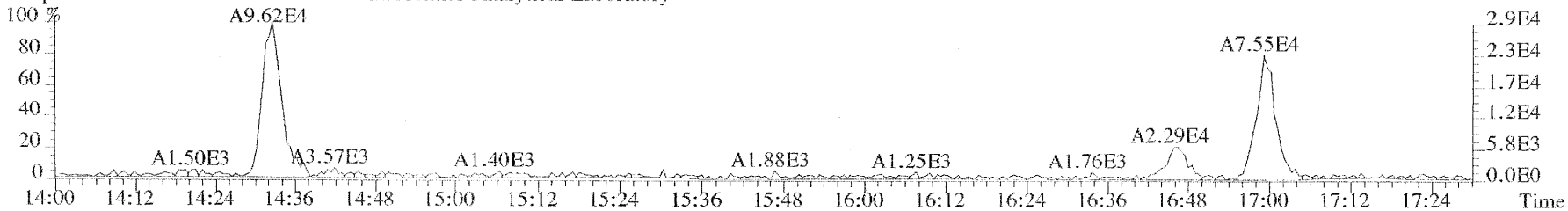
PCB-188	2.97e+04	1.01	y	39:48	1.09	2.66	-	-	*		
13C-PCB-188	1.02e+07	1.07	y	39:47	1.06	898				90.1	1.24e+06	1.17e+06
PCB-184	*	*	n	NotFnd	1.27	*	540	536	0.927		
PCB-179	4.06e+06	1.04	y	40:58	1.20	387	-	-	*		
PCB-176	1.37e+06	1.06	y	41:24	1.15	135	-	-	*		
PCB-186	*	*	n	NotFnd	1.18	*	540	536	1.00		
PCB-178	1.48e+06	1.04	y	42:26	0.84	200	-	-	*		
PCB-175	2.49e+05	1.11	y	42:46	0.88	32.1	-	-	*		
PCB-187	9.47e+06	1.06	y	42:56	0.93	1160	-	-	*	Co-elute PCB 182	
PCB-182	9.47e+06	1.06	y	42:56	0.93	1160	-	-	*	Co-elute PCB 187	
PCB-183	4.73e+06	1.07	y	43:14	0.94	574	-	-	*		
PCB-185	8.21e+05	1.06	y	43:52	0.87	108	-	-	*		
PCB-174	6.62e+06	1.04	y	44:12	0.79	951	-	-	*		
PCB-181	*	*	n	NotFnd	0.93	*	540	536	1.27		
PCB-177	3.95e+06	1.03	y	44:28	0.82	551	-	-	*		
PCB-171	2.07e+06	1.04	y	44:45	0.87	270	-	-	*		
PCB-173	1.59e+05	1.00	y	45:08	0.76	23.8	-	-	*		
PCB-172	1.10e+06	1.07	y	45:32	0.80	158	-	-	*		
PCB-192	*	*	n	NotFnd	1.06	*	540	536	1.11		
PCB-180	1.41e+07	1.05	y	45:52	0.82	1960	-	-	*		
PCB-193	9.62e+05	1.00	y	46:02	1.13	96.8	-	-	*		
PCB-191	3.29e+05	1.07	y	46:15	1.14	33.0	-	-	*		
PCB-170	5.86e+06	1.03	y	47:10	0.78	854	-	-	*		
PCB-190	1.68e+06	1.15	y	47:18	1.05	182	-	-	*		
PCB-189	2.62e+05	0.97	y	48:30	1.09	32.9	-	-	*		
13C-PCB-189	7.30e+06	1.07	y	48:29	0.89	769				77.2	1.07e+06	1.03e+06
PCB-202	8.16e+05	0.96	y	44:55	1.11	108	-	-	*		
PCB-201	5.76e+05	0.93	y	45:23	1.20	70.5	-	-	*		
PCB-204	*	*	n	NotFnd	1.20	*	459	410	1.16		
PCB-197	1.72e+05	0.87	y	45:46	1.27	19.9	-	-	*		
PCB-200	4.57e+05	0.97	y	46:30	1.24	54.3	-	-	*		
PCB-198	1.54e+05	0.79	y	47:41	0.90	25.0	-	-	*		
PCB-199	2.66e+06	0.93	y	47:46	0.84	467	-	-	*		
PCB-203	3.28e+06	0.94	y	48:01	0.96	501	-	-	*	Co-elute PCB 196	
PCB-196	3.28e+06	0.94	y	48:01	0.96	501	-	-	*	Co-elute PCB 203	
13C-PCB-202	6.78e+06	0.92	y	44:55	0.75	844				84.7	7.75e+05	7.88e+05
13C-PCB-178	6.77e+06	1.09	y	42:25	0.80	789				79.2	8.16e+05	7.51e+05
13C-PCB-138	1.06e+07	1.31	y	41:39	-	2.92					
PCB-195	1.60e+06	0.89	y	49:05	0.88	212	-	-	*		
PCB-194	3.67e+06	0.94	y	49:53	0.87	499	-	-	*		
PCB-205	2.67e+05	0.84	y	50:08	1.08	29.0	-	-	*		
13C-PCB-205	8.47e+06	0.88	y	50:08	1.26	1000				100	1.15e+06	1.29e+06
PCB-208	5.86e+05	1.33	y	49:13	1.08	64.1	-	-	*		
13C-PCB-208	8.42e+06	0.80	y	49:12	1.27	982				98.6	1.28e+06	1.65e+06
PCB-207	2.60e+05	1.32	y	49:31	1.25	29.9	-	-	*		
PCB-206	1.60e+06	1.27	y	51:20	1.11	266	-	-	*		
13C-PCB-206	5.39e+06	0.84	y	51:19	0.87	924				92.7	7.77e+05	9.21e+05
PCB-209	6.63e+05	1.27	y	52:31	1.19	102	-	-	*		
13C-PCB-209	5.45e+06	1.24	y	52:29	1.01	803				80.6	9.32e+05	7.64e+05
13C-PCB-194	6.71e+06	0.91	y	49:53	-	2.31					

Analyst: _____ Date: 11/11/20

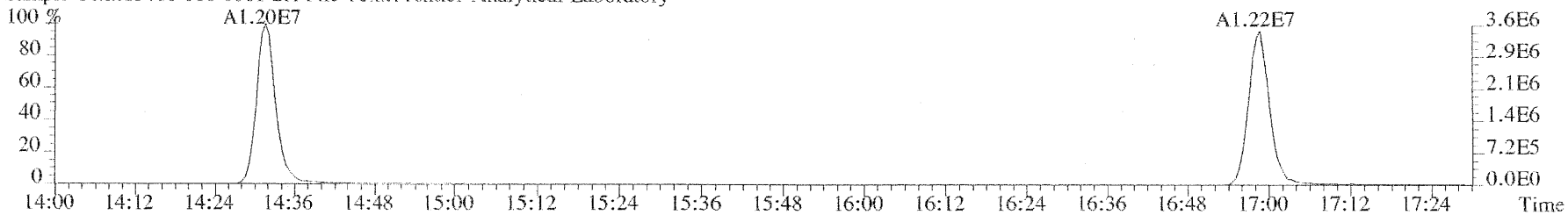
File:10NOV20Z #1-784 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



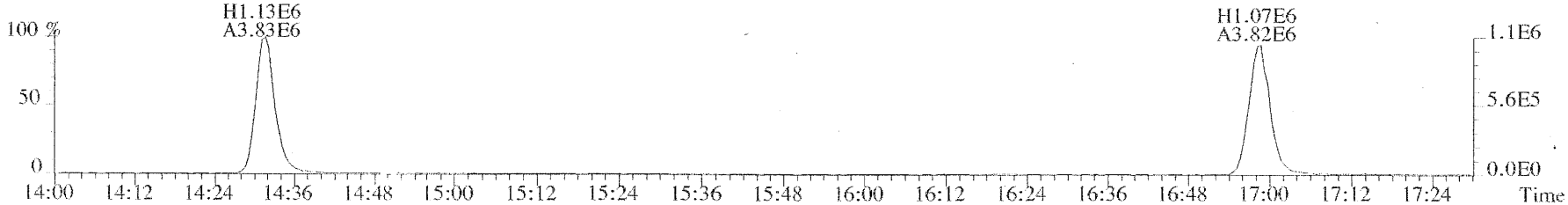
File:10NOV20Z #1-784 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



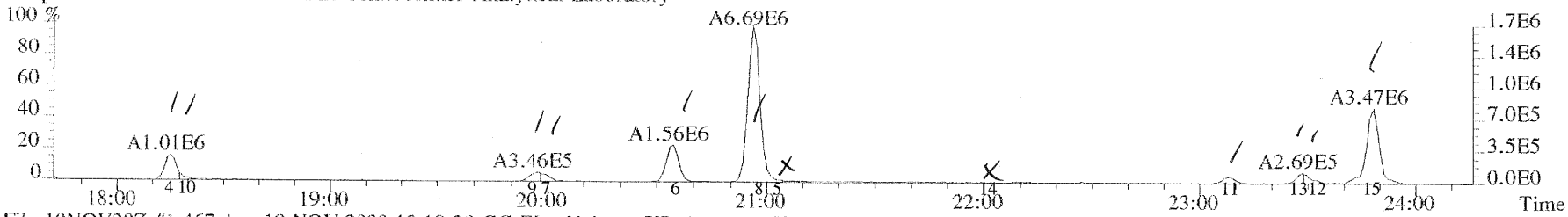
File:10NOV20Z #1-784 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



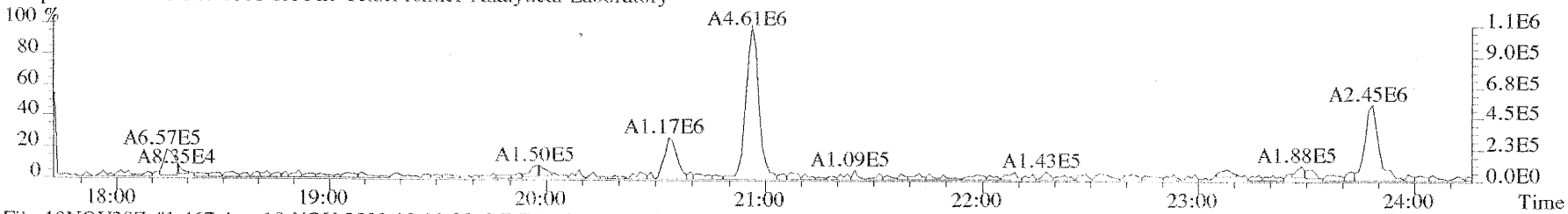
File:10NOV20Z #1-784 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



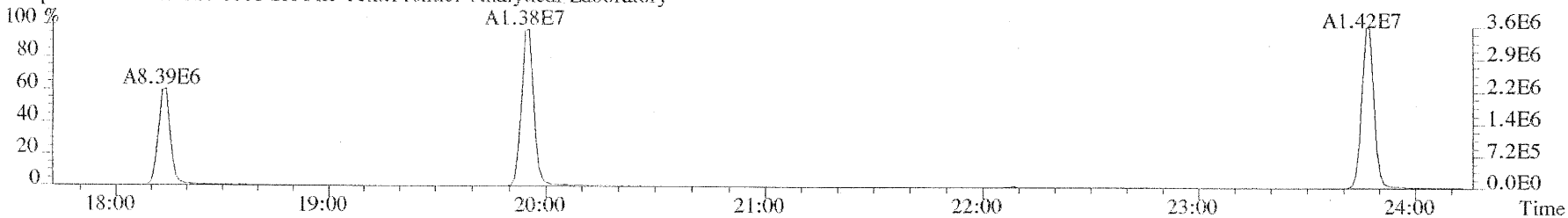
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



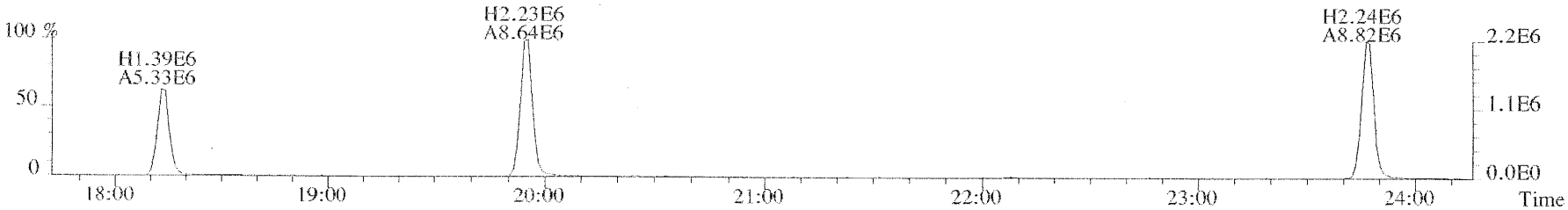
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



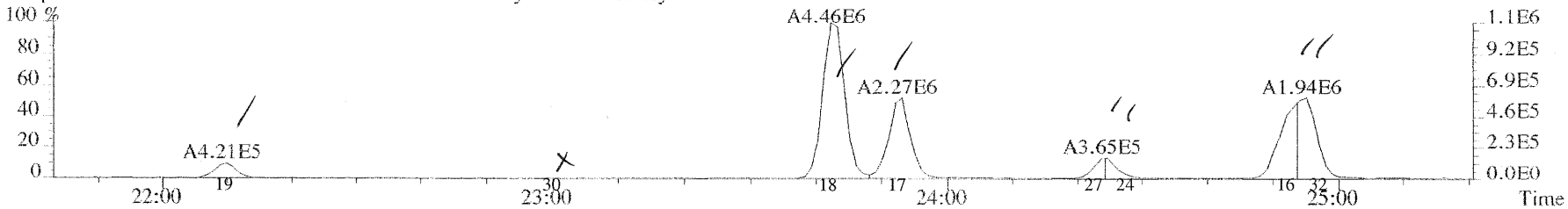
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



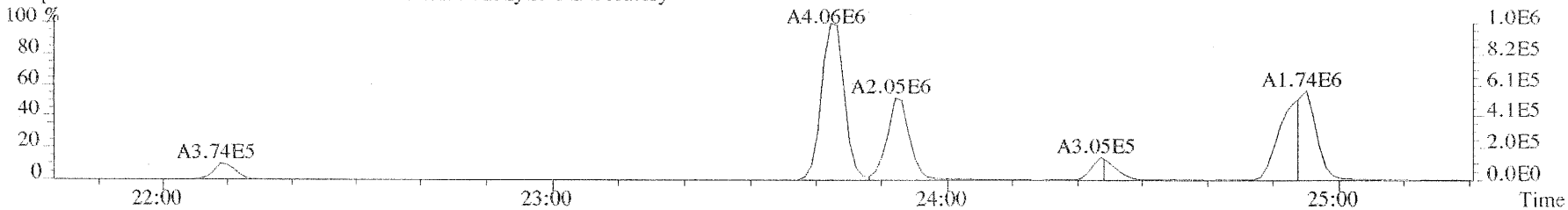
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



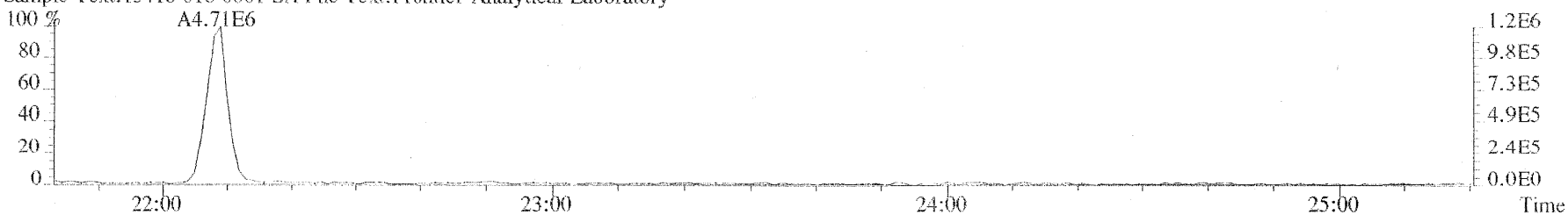
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



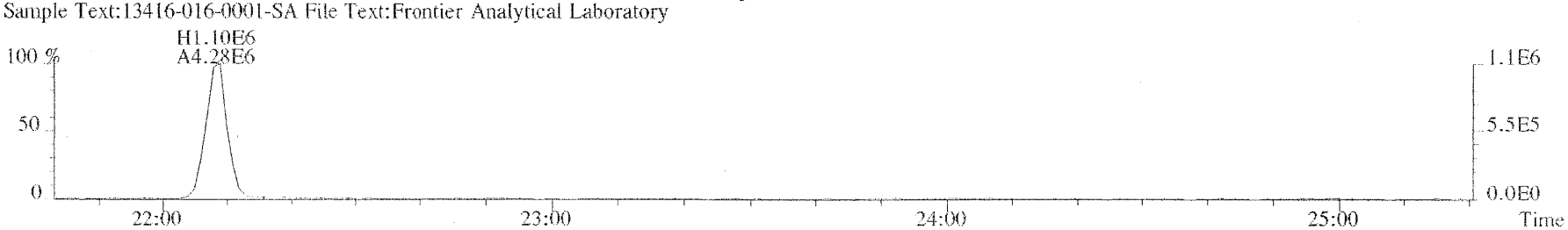
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



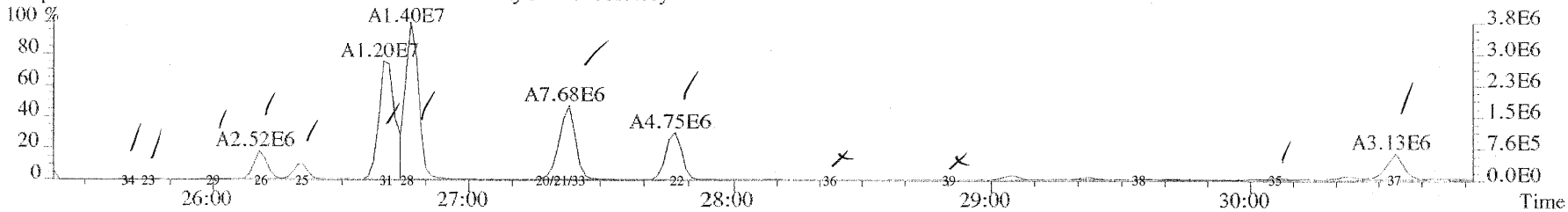
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



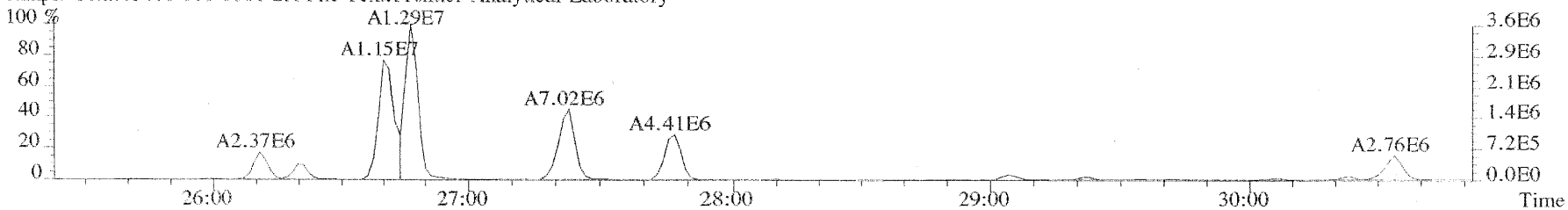
File:10NOV20Z #1-467 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



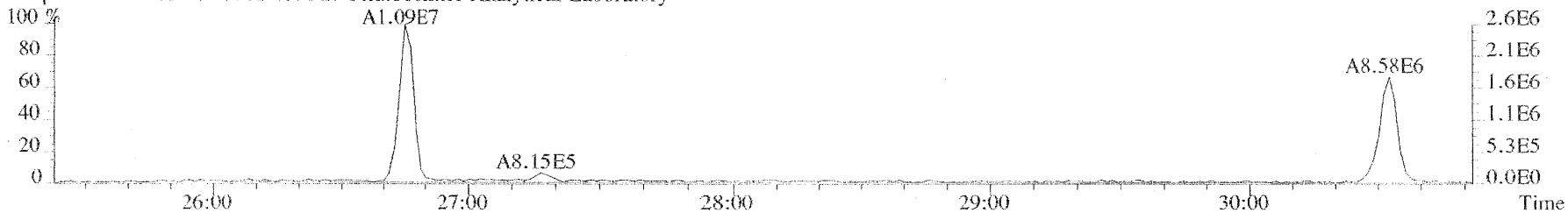
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



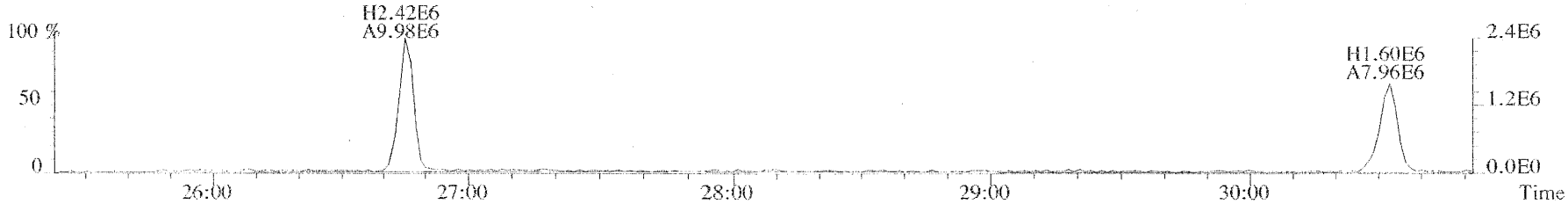
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



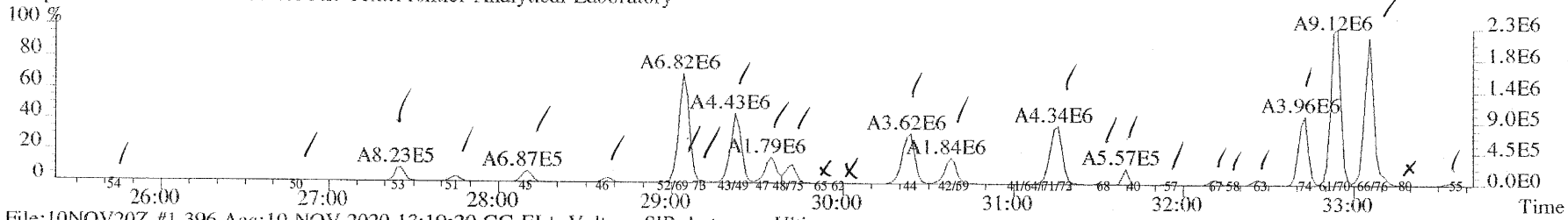
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



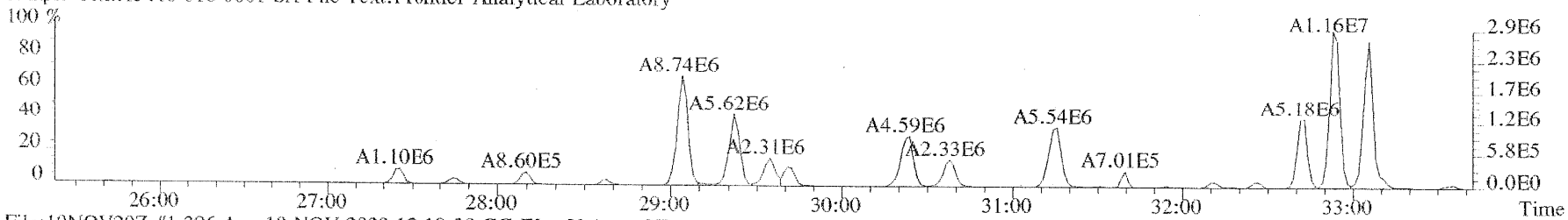
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



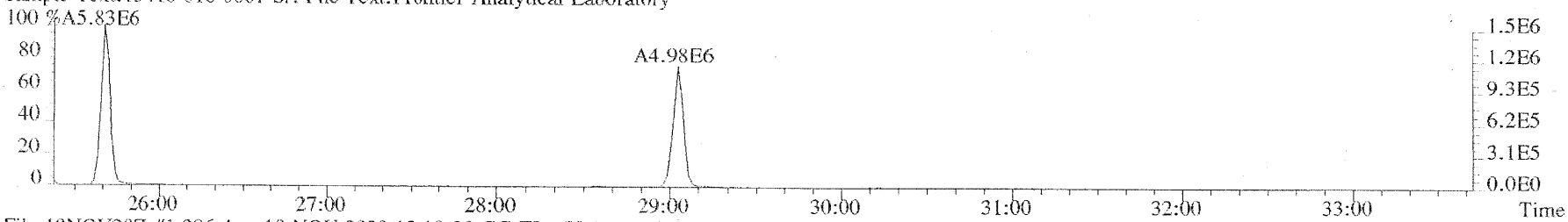
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



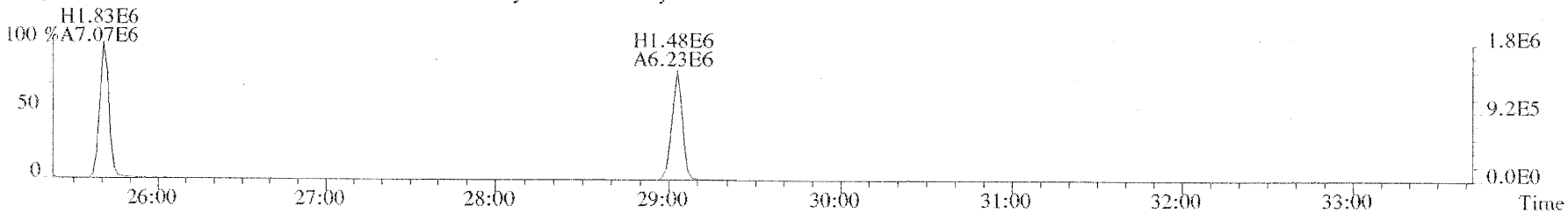
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



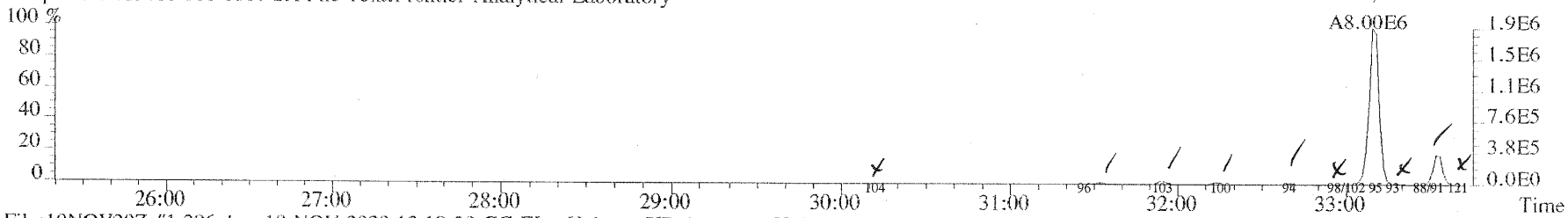
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



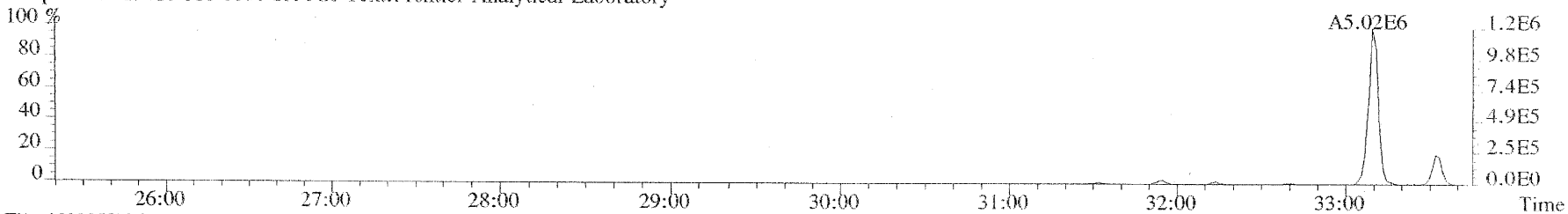
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



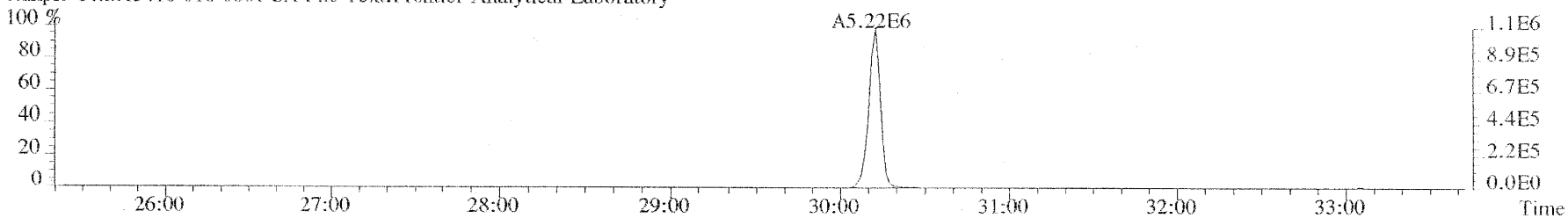
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



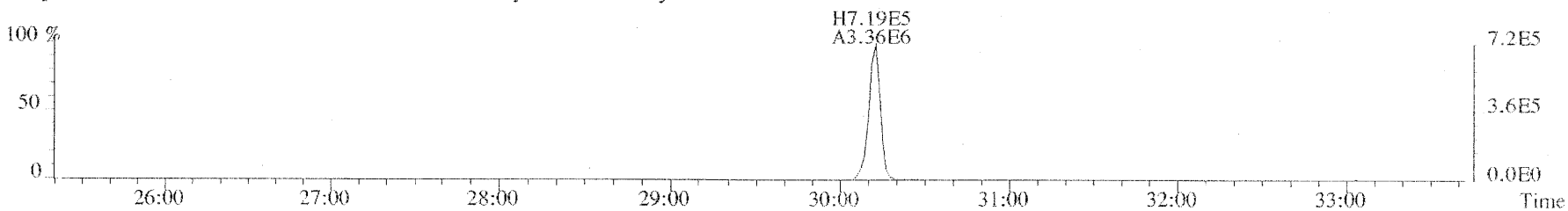
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



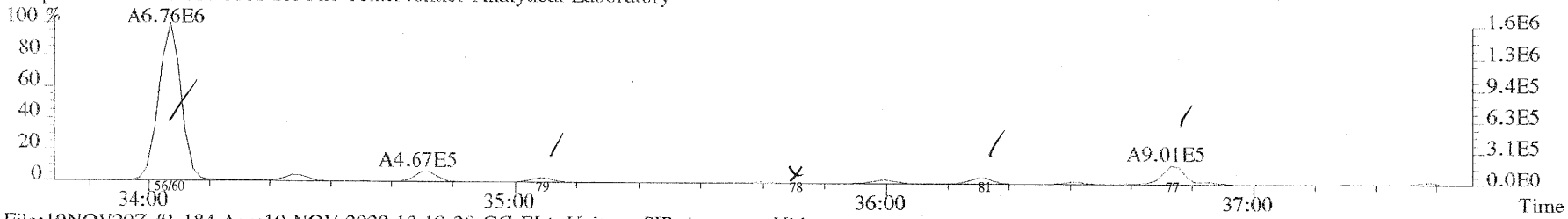
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



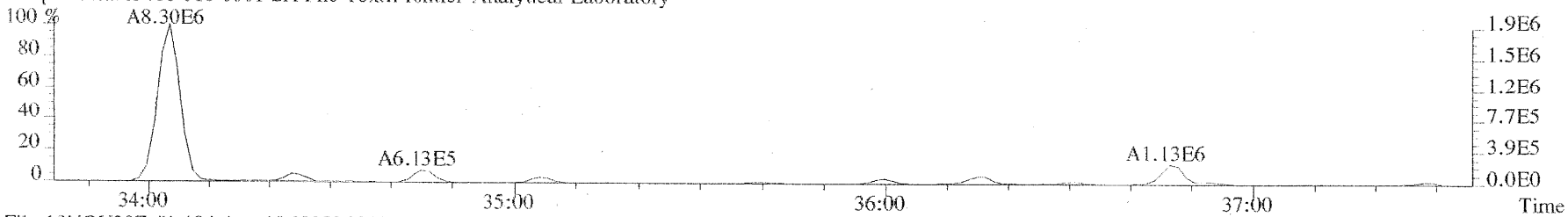
File:10NOV20Z #1-396 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



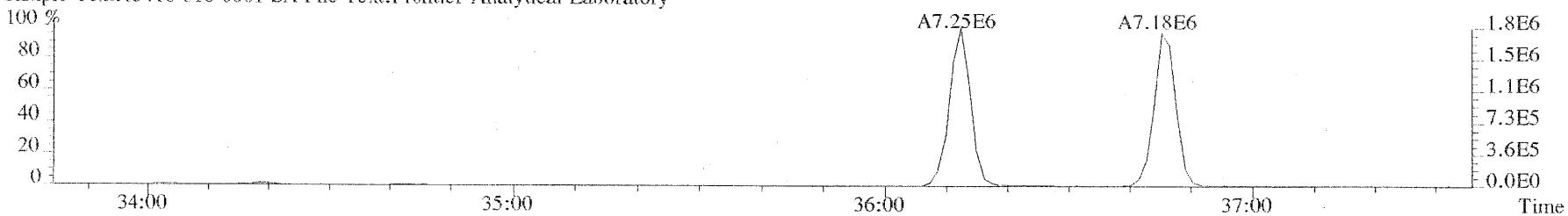
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



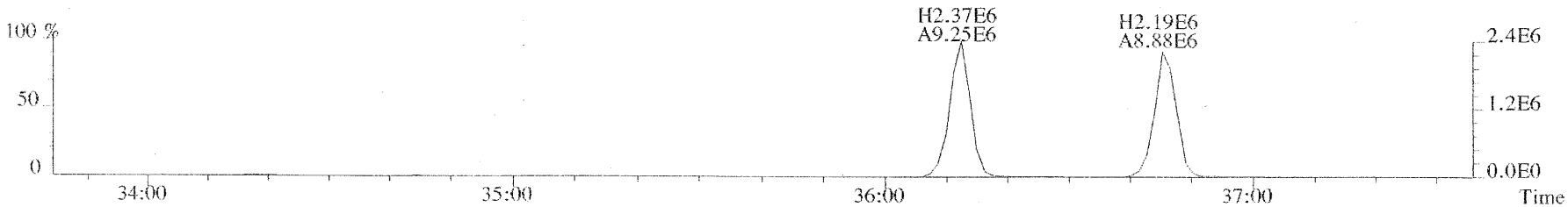
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



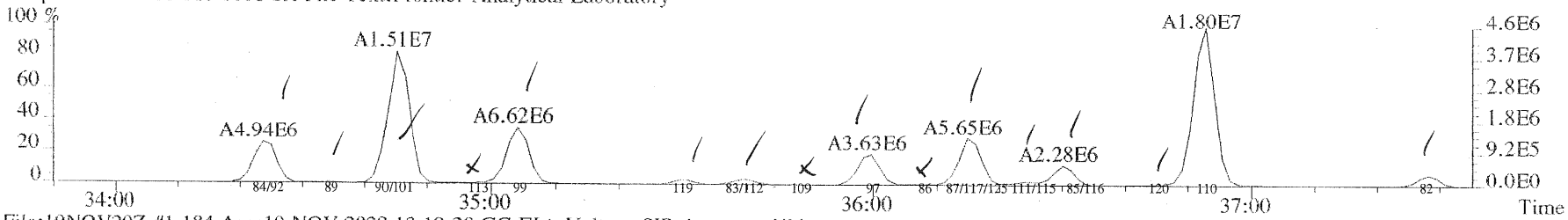
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



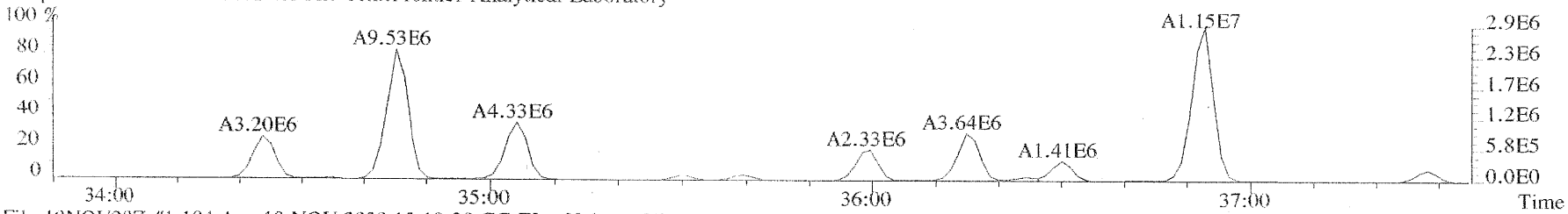
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



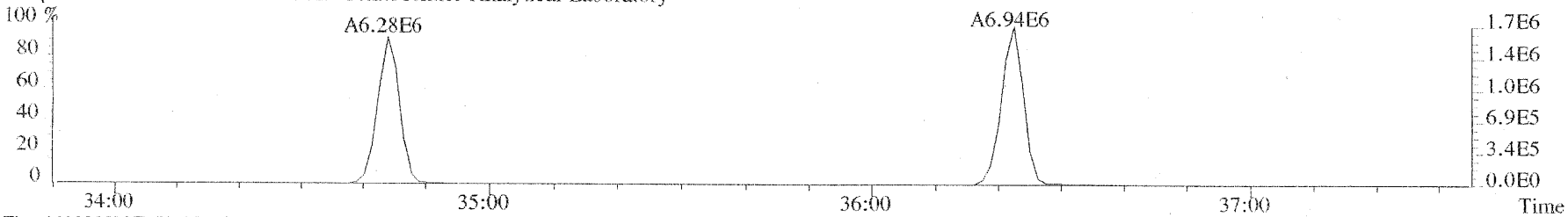
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



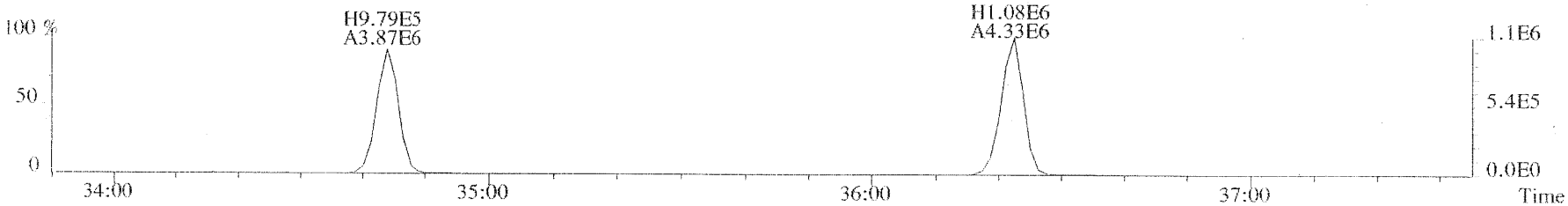
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



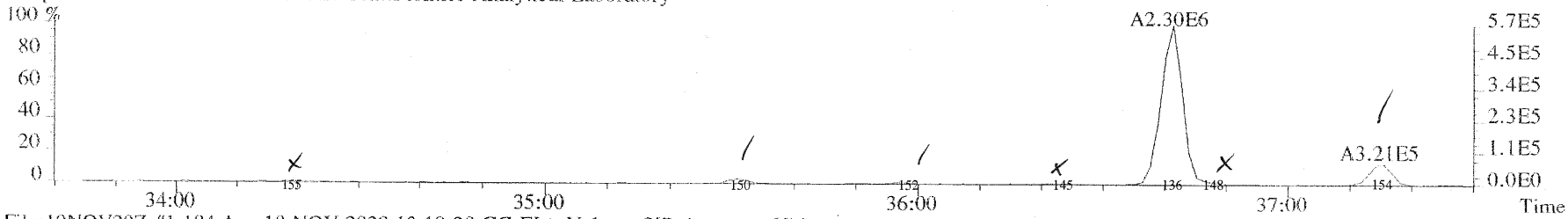
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



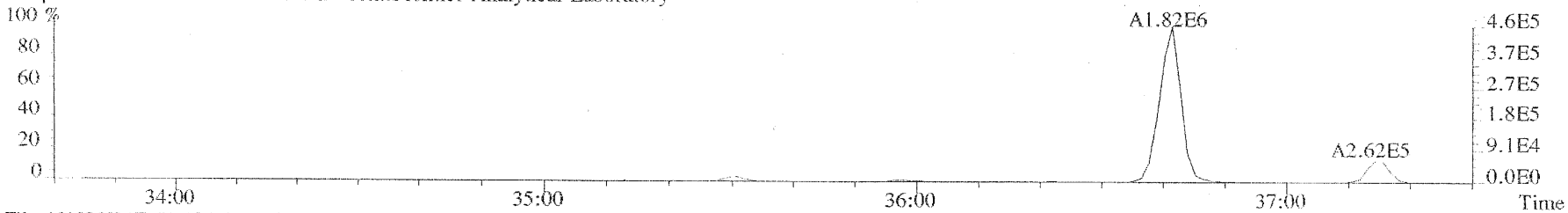
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



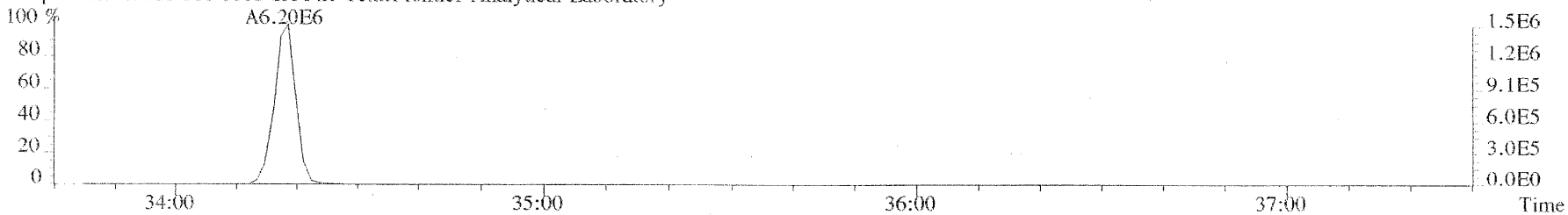
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



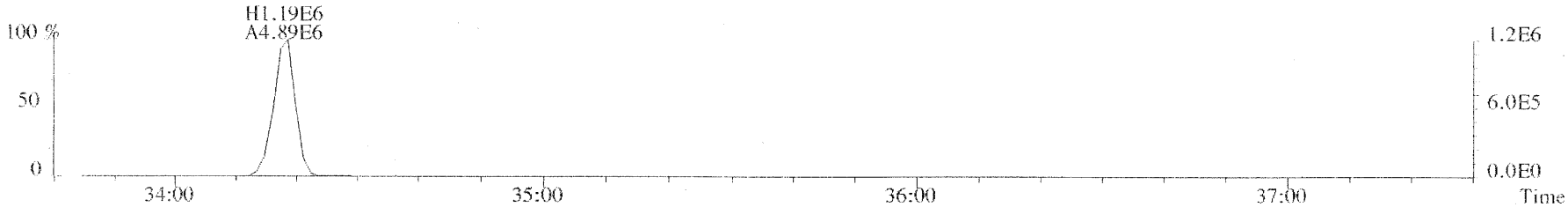
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



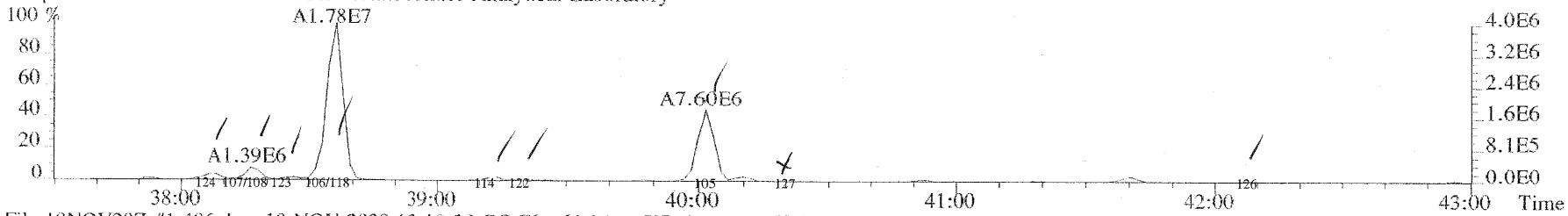
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



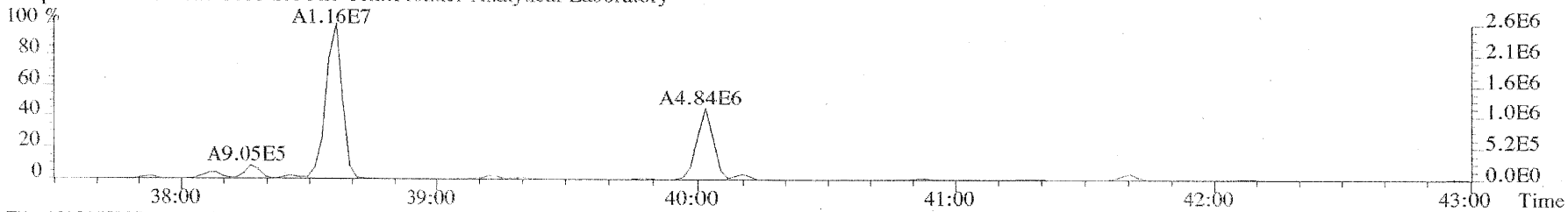
File:10NOV20Z #1-184 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



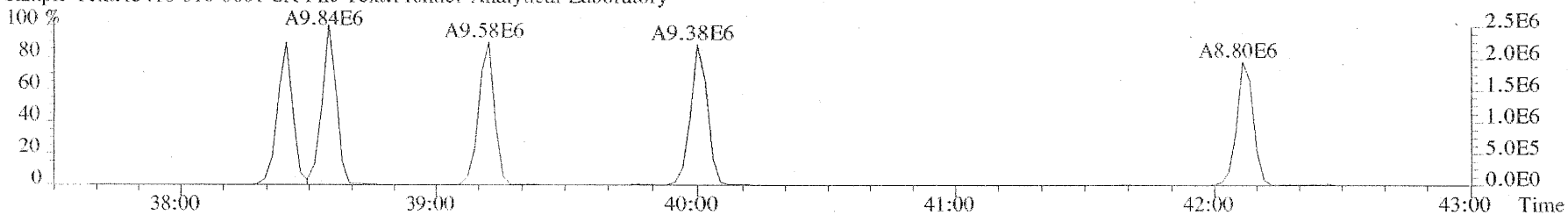
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



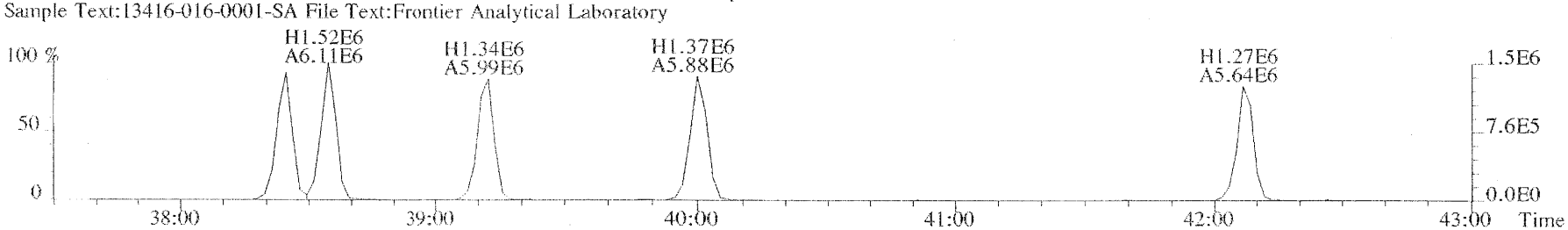
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



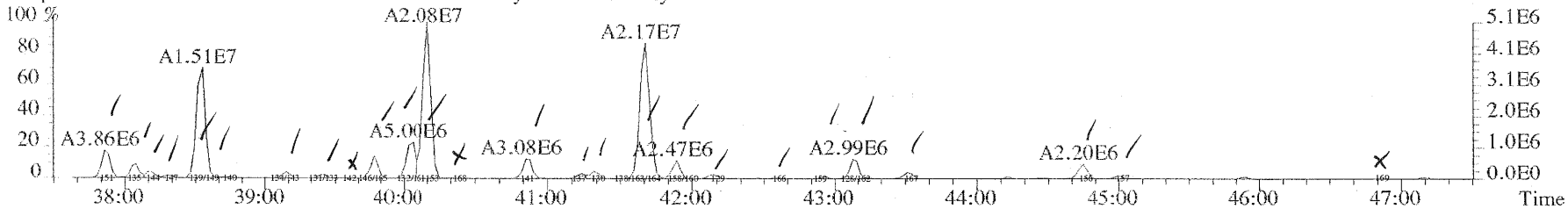
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



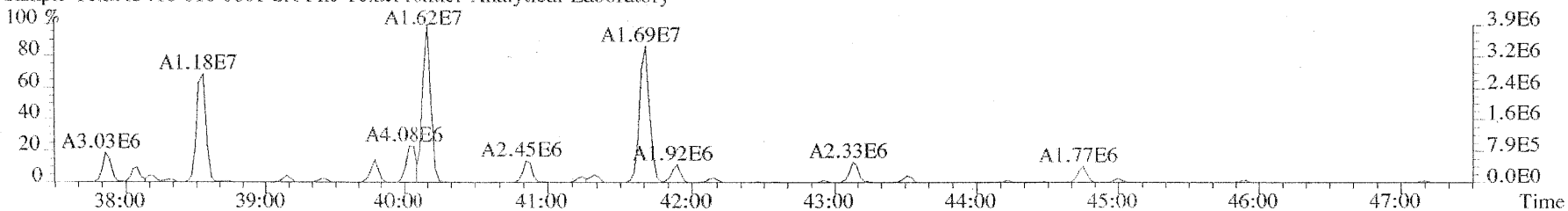
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



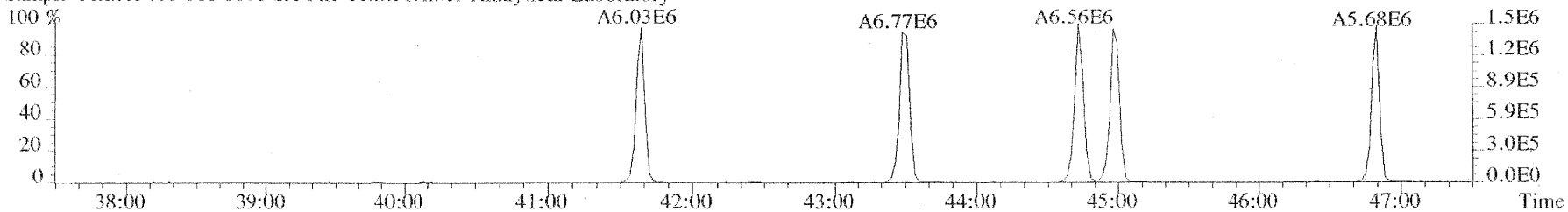
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



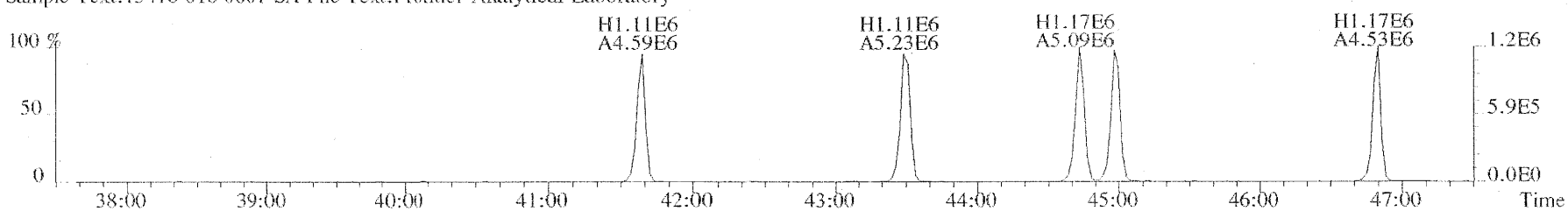
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



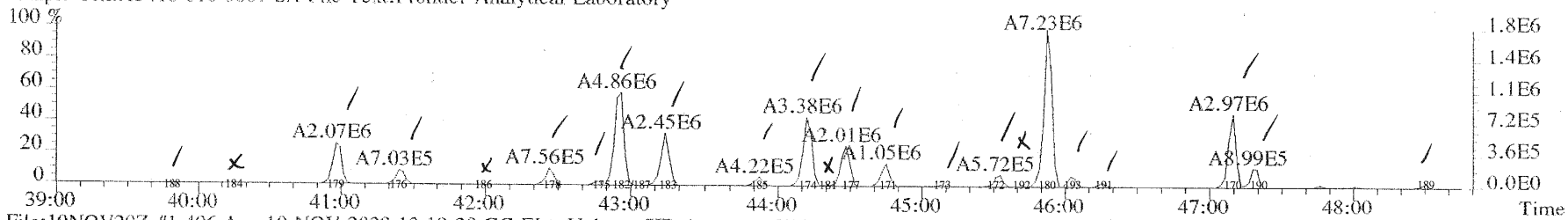
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



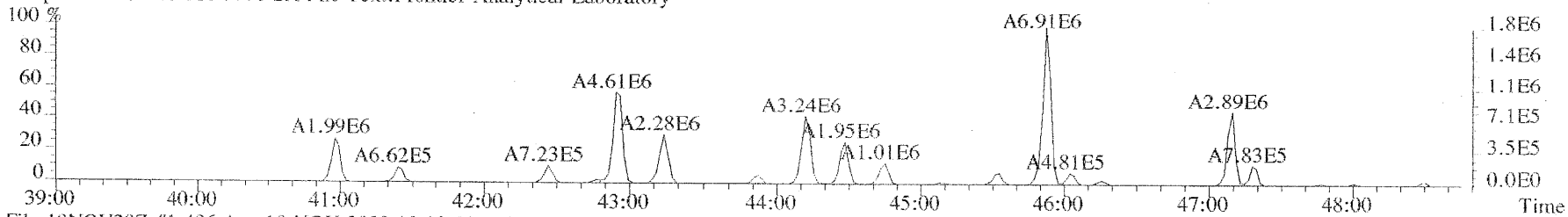
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



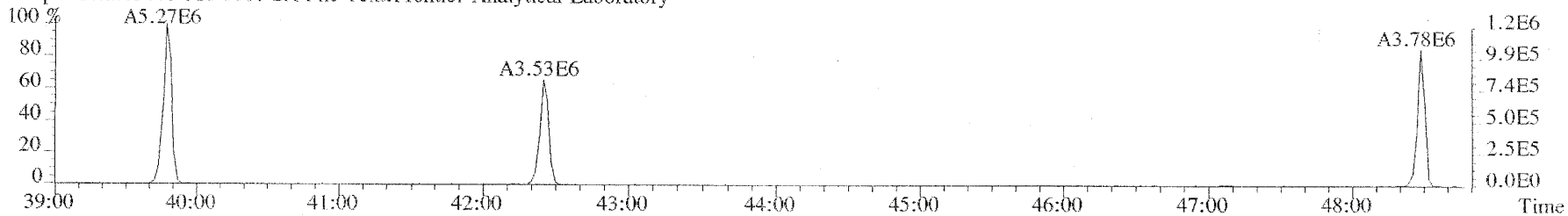
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



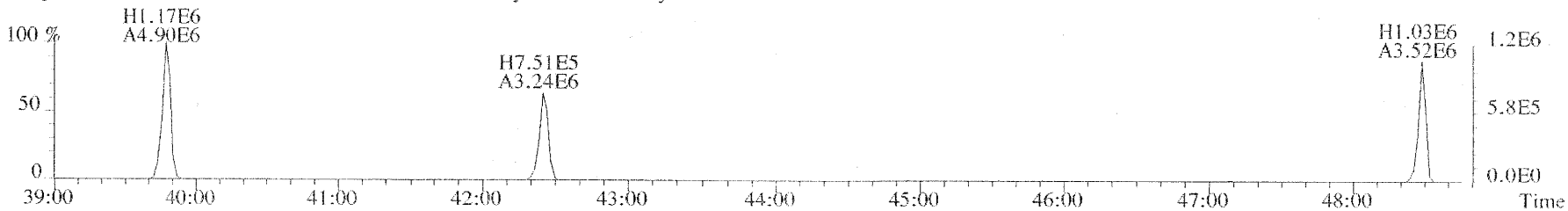
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



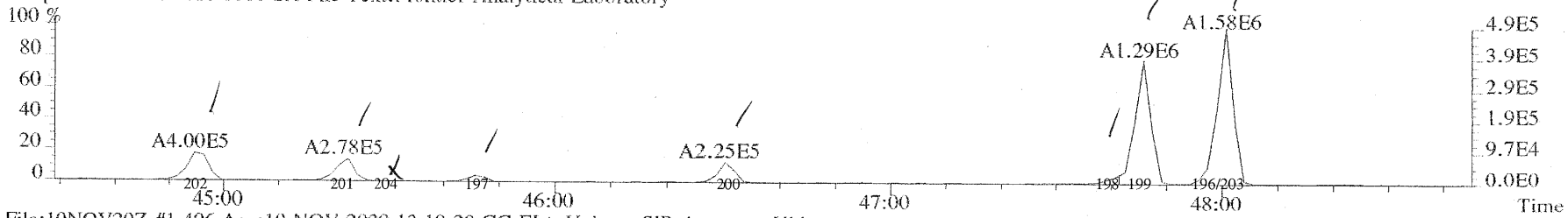
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



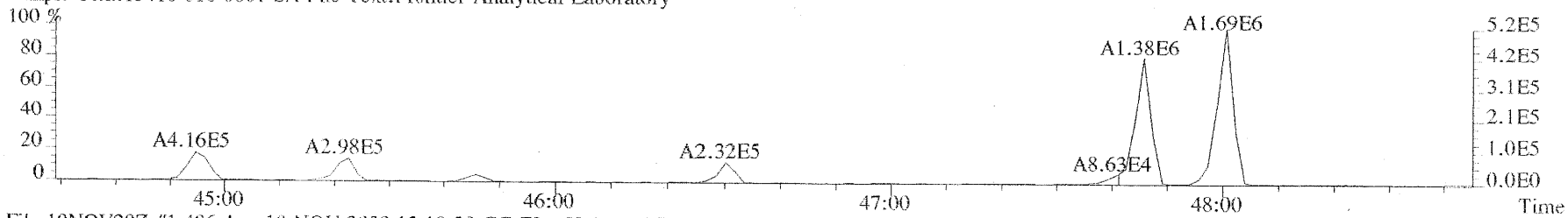
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



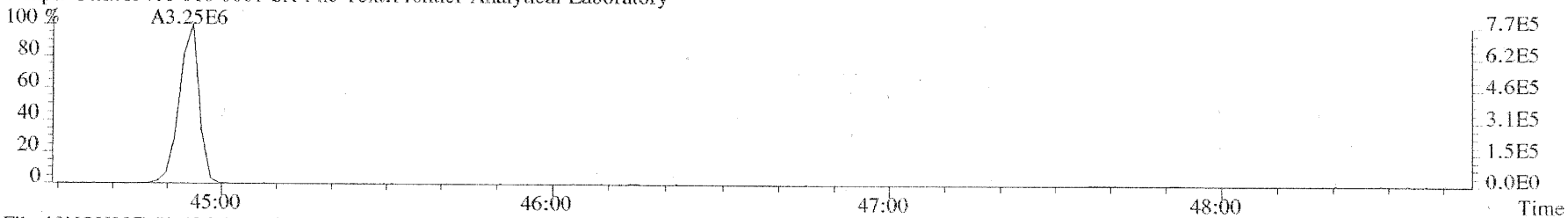
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



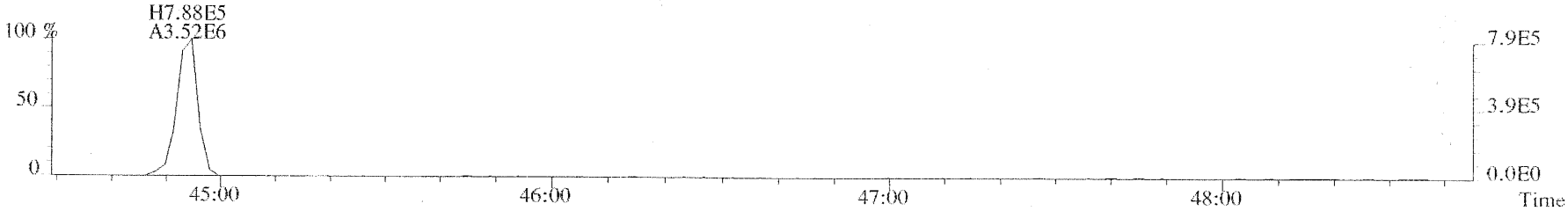
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



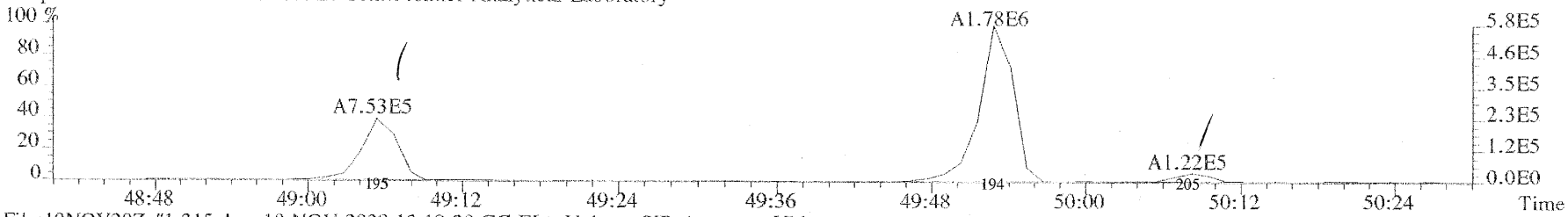
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



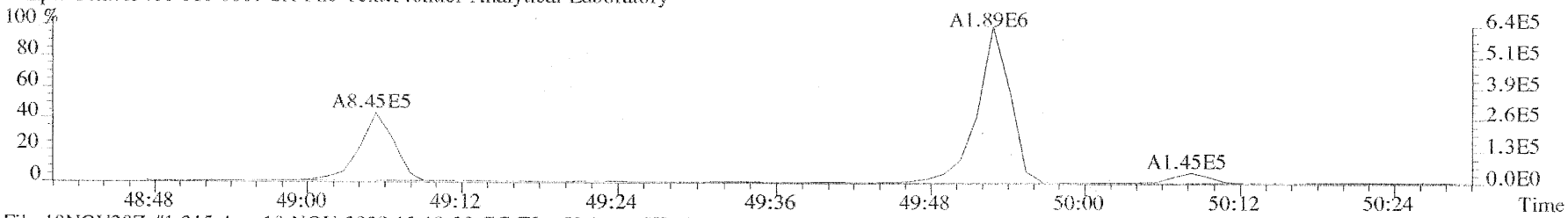
File:10NOV20Z #1-406 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



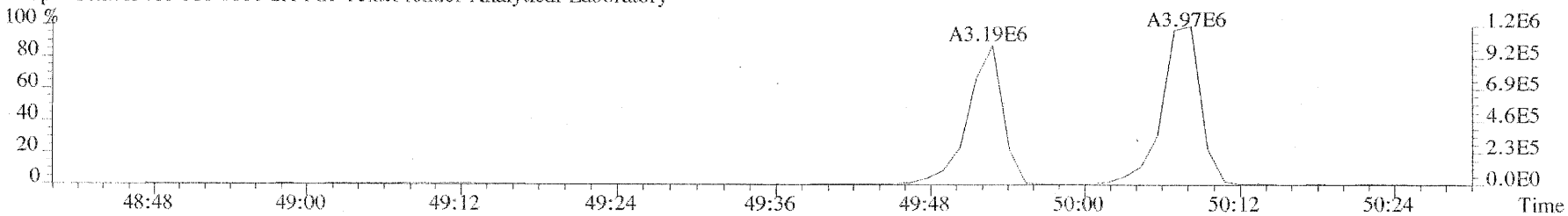
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



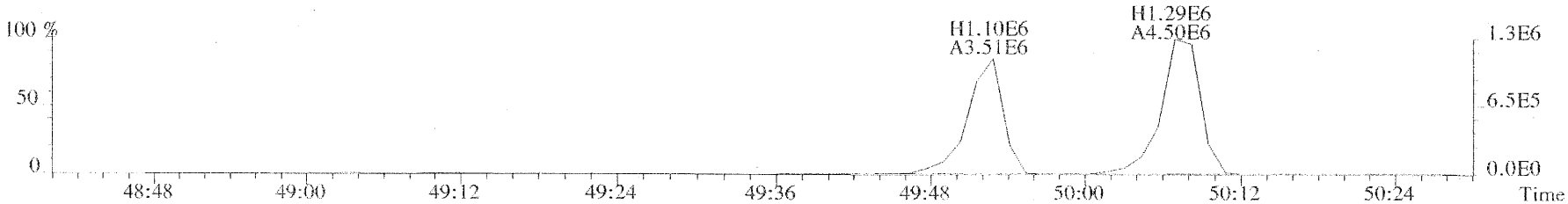
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



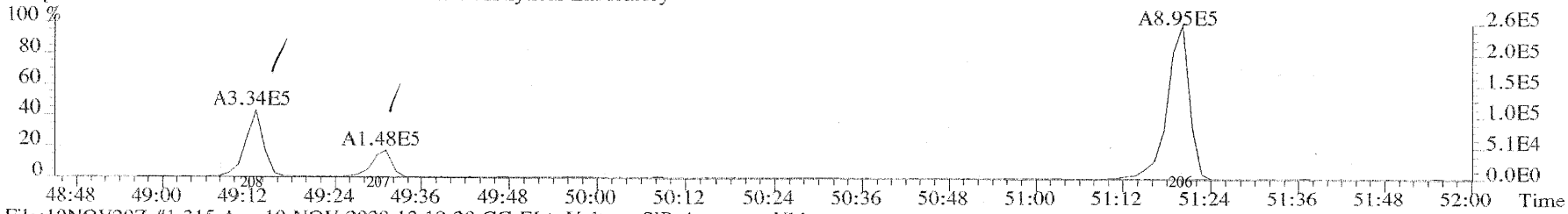
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



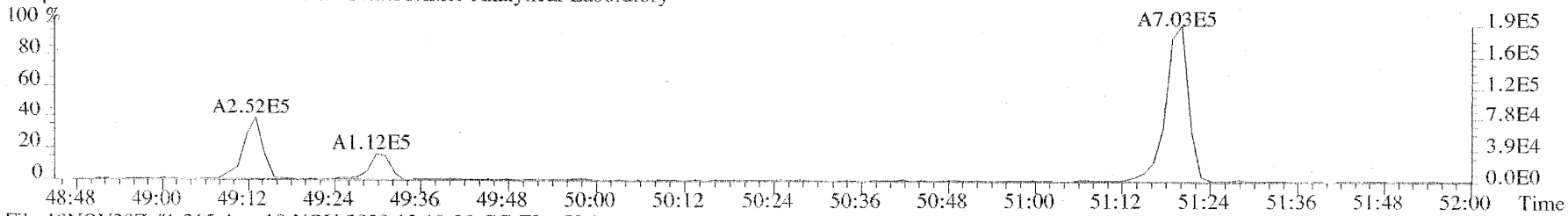
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



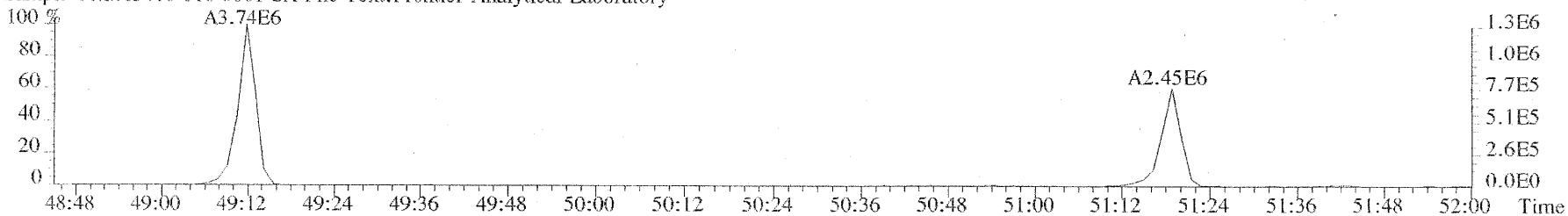
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



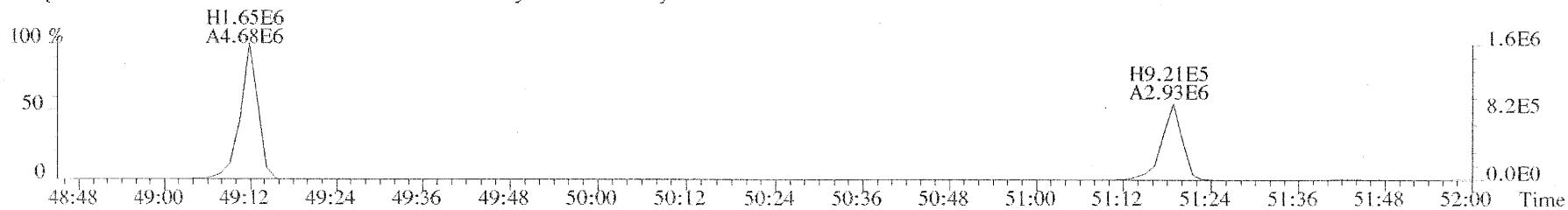
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



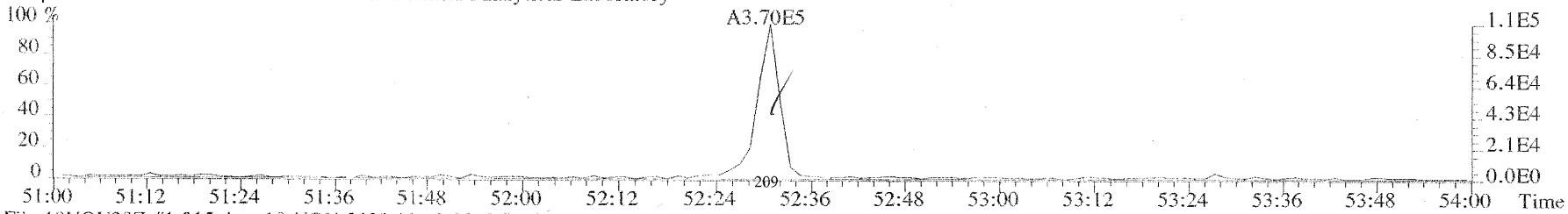
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



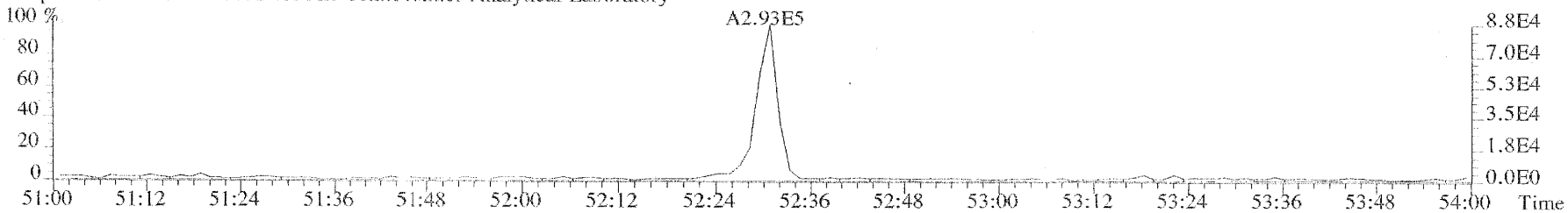
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



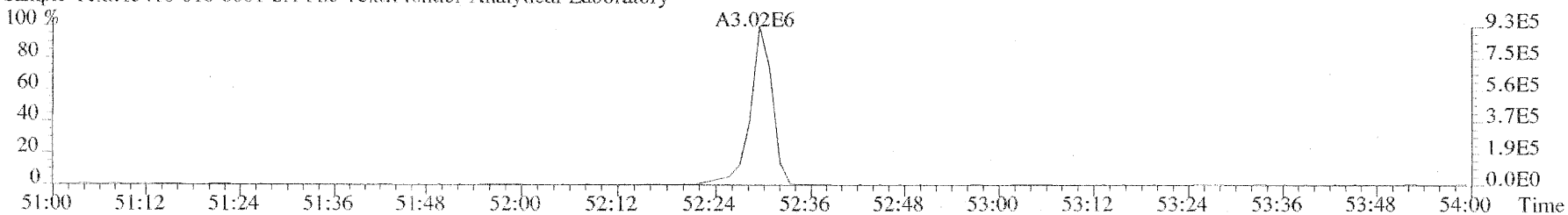
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



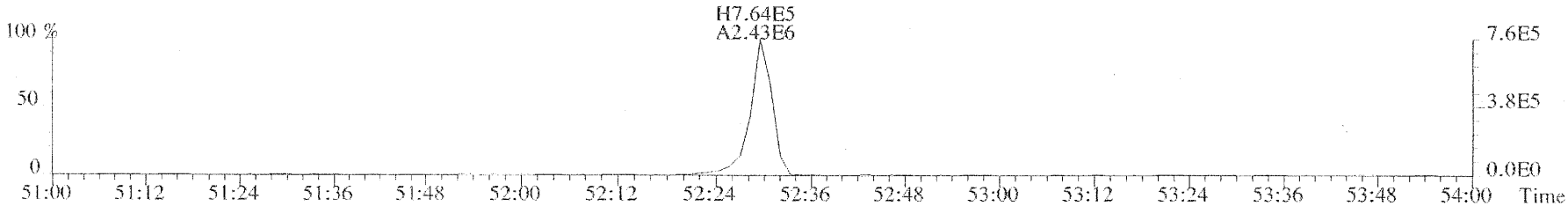
File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-315 Acq:10-NOV-2020 13:19:20 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-016-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13416-017-0001-SA Filename: 10NOV20Z Sam:8 Acquired: 10-NOV-20 14:17:41 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-CC-CORE ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13417 GC Column: DB1MS Amount: 10.07 /

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	6.62e+05	3.18 y	14:33	1.23	21.3		-	-	*			
13C-PCB-1	2.51e+07	3.21 y	14:32	0.89	757					76.2	6.68e+06	2.08e+06
PCB-2	1.19e+05	2.94 y	16:47	1.25	3.89		-	-	*			
PCB-3	2.86e+05	3.03 y	16:60	1.21	10.1		-	-	*			
13C-PCB-3	2.33e+07	3.27 y	16:59	0.87	719					72.4	5.69e+06	1.76e+06
PCB-4	2.66e+06	1.43 y	18:15	0.97	123		-	-	*			
PCB-10	3.45e+05	1.49 y	18:18	1.52	8.36		-	-	*			
13C-PCB-4	2.21e+07	1.57 y	18:14	0.65	907					91.3	4.17e+06	2.62e+06
PCB-9	6.77e+05	1.49 y	19:57	1.41	17.7		-	-	*			
PCB-7	6.91e+05	1.50 y	19:58	1.43	17.8		-	-	*			
PCB-6	3.53e+06	1.36 y	20:34	1.32	98.5		-	-	*			
PCB-8	1.58e+07	1.48 y	20:56	1.38	423		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		654	3240	0.920			
PCB-14	*	* n	NotFnd	1.39	*		654	3240	0.889			
PCB-11	4.31e+05	1.56 y	23:08	1.24	12.8		-	-	*			
PCB-13	3.72e+05	1.35 y	23:28	1.29	10.6		-	-	*			
PCB-12	4.28e+05	1.47 y	23:29	1.32	12.0		-	-	*			
PCB-15	4.91e+06	1.63 y	23:48	1.18	130		-	-	*			
13C-PCB-15	3.18e+07	1.61 y	23:47	0.96	887					89.3	5.39e+06	3.39e+06
PCB-19	9.79e+05	1.11 y	22:09	1.35	55.5		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1980	710	0.883			
PCB-18	1.09e+07	1.08 y	23:43	1.34	623		-	-	*			
PCB-17	5.06e+06	1.09 y	23:53	1.48	262		-	-	*			
PCB-27	8.16e+05	1.14 y	24:24	1.94	32.3		-	-	*			
PCB-24	7.81e+05	1.15 y	24:25	1.93	31.1		-	-	*			
PCB-16	3.82e+06	1.09 y	24:53	1.64	179		-	-	*			
PCB-32	5.06e+06	1.14 y	24:55	1.69	229		-	-	*			
13C-PCB-19	1.29e+07	1.14 y	22:09	0.45	778					78.4	1.95e+06	1.80e+06
13C-PCB-9	3.70e+07	1.62 y	19:55	-	5.09							
PCB-34	1.61e+05	1.10 y	25:40	1.27	5.81		-	-	*			
PCB-23	5.05e+04	1.13 y	25:48	1.31	1.77	J	-	-	*			
PCB-29	2.23e+05	1.03 y	25:59	1.30	7.86		-	-	*			
PCB-26	5.18e+06	1.10 y	26:10	1.22	195		-	-	*			
PCB-25	3.02e+06	1.05 y	26:21	1.21	115		-	-	*			
PCB-31	2.46e+07	1.07 y	26:41	1.18	957		-	-	*			
PCB-28	2.95e+07	1.08 y	26:46	1.51	897		-	-	*			
PCB-20	1.57e+07	1.09 y	27:23	1.21	595		-	-	*		Co-elute PCB 21/33	
PCB-21	1.57e+07	1.09 y	27:23	1.21	595		-	-	*		Co-elute PCB 20/33	
PCB-33	1.57e+07	1.09 y	27:23	1.21	595		-	-	*		Co-elute PCB 20/21	
PCB-22	9.65e+06	1.10 y	27:47	1.40	317		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		1050	960	0.945			
PCB-39	*	* n	NotFnd	1.21	*		1050	960	0.964			
PCB-38	2.23e+05	1.14 y	29:35	1.17	8.75		-	-	*			
PCB-35	2.16e+05	0.96 y	30:06	1.14	8.73		-	-	*			
PCB-37	3.97e+06	1.05 y	30:33	1.20	152		-	-	*			
13C-PCB-37	2.16e+07	1.03 y	30:32	1.40	880					88.6	2.21e+06	2.08e+06

PCB-54	6.50e+04	0.80	y	25:41	1.24	2.61	-	-	*				
PCB-50	4.96e+04	0.80	y	26:48	0.92	2.70	-	-	*				
PCB-53	2.00e+06	0.78	y	27:25	0.91	109	-	-	*				
PCB-51	7.39e+05	0.74	y	27:45	0.98	37.5	-	-	*				
PCB-45	1.67e+06	0.78	y	28:09	0.79	105	-	-	*				
PCB-46	6.82e+05	0.73	y	28:37	0.78	43.8	-	-	*				
PCB-52	1.68e+07	0.78	y	29:04	0.91	919	-	-	*	Co-elute PCB 69			
PCB-69	1.68e+07	0.78	y	29:04	0.91	919	-	-	*	Co-elute PCB 52			
PCB-73	2.10e+05	0.78	y	29:10	1.23	8.57	-	-	*				
PCB-43	1.04e+07	0.79	y	29:21	0.82	632	-	-	*	Co-elute PCB 49			
PCB-49	1.04e+07	0.79	y	29:21	0.82	632	-	-	*	Co-elute PCB 43			
PCB-47	4.23e+06	0.78	y	29:34	0.90	234	-	-	*				
PCB-48	2.79e+06	0.82	y	29:42	1.05	132	-	-	*	Co-elute PCB 75			
PCB-75	2.79e+06	0.82	y	29:42	1.05	132	-	-	*	Co-elute PCB 48			
PCB-65	*	*	n	NotFnd	1.09	*	687	900	0.723				
PCB-62	*	*	n	NotFnd	1.12	*	687	900	0.701				
PCB-44	8.16e+06	0.79	y	30:23	0.73	556	-	-	*				
PCB-42	4.04e+06	0.77	y	30:37	0.96	210	-	-	*	Co-elute PCB 59			
PCB-59	4.04e+06	0.77	y	30:37	0.96	210	-	-	*	Co-elute PCB 42			
PCB-72	9.59e+06	0.78	y	31:15	1.05	457	-	-	*	Co-elute PCB 41/71/64			
PCB-41	9.59e+06	0.78	y	31:15	1.05	457	-	-	*	Co-elute PCB 72/71/64			
PCB-71	9.59e+06	0.78	y	31:15	1.05	457	-	-	*	Co-elute PCB 72/41/64			
PCB-64	9.59e+06	0.78	y	31:15	1.05	457	-	-	*	Co-elute PCB 72/41/71			
PCB-68	1.44e+05	0.82	y	31:32	1.28	5.63	-	-	*				
PCB-40	1.35e+06	0.78	y	31:42	0.69	98.1	-	-	*				
PCB-57	1.10e+05	0.83	y	31:56	1.13	4.84	-	-	*				
PCB-67	6.60e+05	0.74	y	32:12	1.17	28.2	-	-	*				
PCB-58	6.34e+04	0.76	y	32:18	1.13	2.81	-	-	*				
PCB-63	7.74e+05	0.76	y	32:27	1.13	34.1	-	-	*				
PCB-74	9.22e+06	0.78	y	32:42	1.15	398	-	-	*				
PCB-61	2.09e+07	0.77	y	32:54	1.06	986	-	-	*	Co-elute PCB 70			
PCB-70	2.09e+07	0.77	y	32:54	1.06	986	-	-	*	Co-elute PCB 61			
PCB-76	1.89e+07	0.78	y	33:06	1.21	783	-	-	*	Co-elute PCB 66			
PCB-66	1.89e+07	0.78	y	33:06	1.21	783	-	-	*	Co-elute PCB 76			
PCB-80	*	*	n	NotFnd	1.37	*	687	900	0.574				
PCB-55	5.10e+05	0.79	y	33:35	1.19	21.4	-	-	*				
13C-PCB-54	1.99e+07	0.82	y	25:41	1.24	910					91.7	2.26e+06	2.76e+06
PCB-104	*	*	n	NotFnd	1.14	*	408	356	0.636				
PCB-96	1.21e+05	1.53	y	31:32	1.10	8.68	-	-	*				
PCB-103	2.72e+05	1.51	y	31:56	0.90	23.9	-	-	*				
PCB-100	1.89e+05	1.40	y	32:15	0.91	16.4	-	-	*				
PCB-94	8.80e+04	1.51	y	32:40	0.76	9.15	-	-	*				
PCB-98	*	*	n	NotFnd	0.78	*	408	356	0.929	Co-elute PCB 102			
PCB-102	*	*	n	NotFnd	0.78	*	408	356	0.929	Co-elute PCB 98			
PCB-95	1.41e+07	1.58	y	33:10	0.84	1320	-	-	*				
PCB-93	*	*	n	NotFnd	0.78	*	408	356	0.928				
PCB-88	2.61e+06	1.62	y	33:33	0.89	231	-	-	*	Co-elute PCB 91			
PCB-91	2.61e+06	1.62	y	33:33	0.89	231	-	-	*	Co-elute PCB 88			
PCB-121	*	*	n	NotFnd	0.98	*	408	356	0.741				
13C-PCB-104	1.26e+07	1.58	y	30:12	0.98	729					73.4	1.61e+06	1.00e+06
13C-PCB-28	3.30e+07	1.04	y	26:45	1.74	1080					109	3.98e+06	3.77e+06
13C-PCB-52	1.74e+07	0.79	y	29:02	-	4.45							

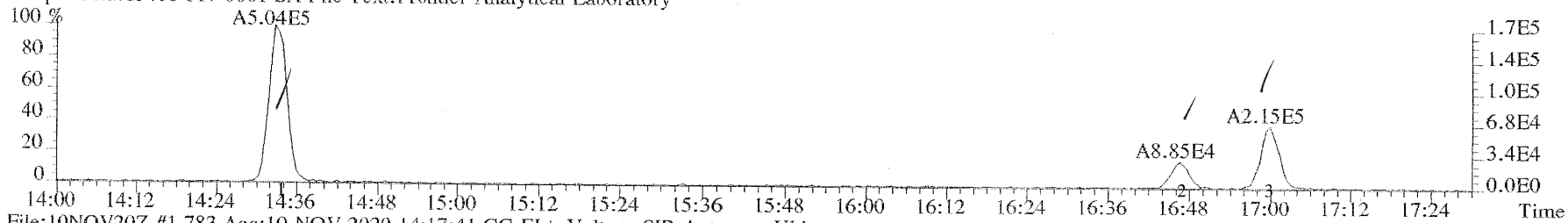
PCB-56	1.50e+07	0.83	y	34:04	1.23	520	-	-	*		Co-elute PCB 60	
PCB-60	1.50e+07	0.83	y	34:04	1.23	520	-	-	*		Co-elute PCB 56	
PCB-79	4.42e+05	0.79	y	35:05	1.25	14.9	-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*	700	940	0.609			
PCB-81	7.25e+05	0.77	y	36:16	1.25	24.2	-	-	*			
13C-PCB-81	2.37e+07	0.80	y	36:12	1.33	1060				107	2.48e+06	3.14e+06
PCB-77	1.41e+06	0.79	y	36:47	1.11	54.6	-	-	*			
13C-PCB-77	2.32e+07	0.79	y	36:46	1.39	994				100	2.35e+06	2.92e+06
PCB-155	*	*	n	NotFnd	1.10	*	796	524	0.686			
PCB-150	1.14e+05	1.29	y	35:32	1.04	6.26	-	-	*			
PCB-152	3.63e+04	1.27	y	35:57	1.01	2.06	-	-	*			
PCB-145	*	*	n	NotFnd	1.02	*	796	524	0.738			
PCB-136	4.29e+06	1.25	y	36:41	0.99	247	-	-	*			
PCB-148	*	*	n	NotFnd	0.78	*	796	524	0.969			
PCB-154	6.08e+05	1.21	y	37:15	0.88	39.5	-	-	*			
13C-PCB-155	1.74e+07	1.30	y	34:18	1.18	876				88.2	2.44e+06	1.90e+06
13C-PCB-111	1.88e+07	1.59	y	36:22	1.26	889				89.5	2.66e+06	1.70e+06
13C-PCB-101	1.66e+07	1.63	y	34:45	-	4.69						
PCB-84	8.62e+06	1.53	y	34:25	0.78	439	-	-	*		Co-elute PCB 92	
PCB-92	8.62e+06	1.53	y	34:25	0.78	439	-	-	*		Co-elute PCB 84	
PCB-89	2.20e+05	1.55	y	34:35	0.77	11.4	-	-	*			
PCB-90	2.60e+07	1.54	y	34:46	0.85	1220	-	-	*		Co-elute PCB 101	
PCB-101	2.60e+07	1.54	y	34:46	0.85	1220	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.96	*	1050	990	0.935			
PCB-99	1.18e+07	1.59	y	35:05	0.94	502	-	-	*			
PCB-119	9.12e+05	1.59	y	35:30	1.06	34.2	-	-	*			
PCB-83	1.12e+06	1.63	y	35:40	0.88	50.6	-	-	*		Co-elute PCB 112	
PCB-112	1.12e+06	1.63	y	35:40	0.88	50.6	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	1.04	*	1050	990	0.866			
PCB-97	6.70e+06	1.58	y	35:59	0.73	364	-	-	*			
PCB-86	*	*	n	NotFnd	0.76	*	1050	990	1.18			
PCB-125	1.02e+07	1.57	y	36:16	0.94	431	-	-	*		Co-elute PCB 87/117	
PCB-87	1.02e+07	1.57	y	36:16	0.94	431	-	-	*		Co-elute PCB 125/117	
PCB-117	1.02e+07	1.57	y	36:16	0.94	431	-	-	*		Co-elute PCB 125/87	
PCB-111	6.34e+05	1.61	y	36:25	1.06	23.7	-	-	*		Co-elute PCB 115	
PCB-115	6.34e+05	1.61	y	36:25	1.06	23.7	-	-	*		Co-elute PCB 111	
PCB-85	4.06e+06	1.54	y	36:30	0.96	168	-	-	*		Co-elute PCB 116	
PCB-116	4.06e+06	1.54	y	36:30	0.96	168	-	-	*		Co-elute PCB 85	
PCB-120	8.44e+04	1.62	y	36:42	1.14	2.95	-	-	*			
PCB-110	3.17e+07	1.57	y	36:52	1.09	1160	-	-	*			
PCB-82	2.30e+06	1.62	y	37:28	0.66	139	-	-	*			
PCB-124	1.40e+06	1.54	y	38:08	1.19	46.7	-	-	*			
PCB-108	2.43e+06	1.54	y	38:18	1.14	84.9	-	-	*		Co-elute PCB 107	
PCB-107	2.43e+06	1.54	y	38:18	1.14	84.9	-	-	*		Co-elute PCB 108	
PCB-123	4.88e+05	1.69	y	38:26	1.09	18.4	-	-	*			
13C-PCB-123	2.42e+07	1.59	y	38:24	1.22	1130				114	3.54e+06	2.26e+06
PCB-118	2.94e+07	1.59	y	38:36	1.13	1020	-	-	*		Co-elute PCB 106	
PCB-106	2.94e+07	1.59	y	38:36	1.13	1020	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.53e+07	1.61	y	38:34	1.30	1100				111	3.48e+06	2.15e+06
PCB-114	8.29e+05	1.61	y	39:14	1.21	26.5	-	-	*			
13C-PCB-114	2.56e+07	1.61	y	39:12	1.29	1130				114	3.66e+06	2.27e+06
PCB-122	4.30e+05	1.68	y	39:20	1.13	15.1	-	-	*			
PCB-105	1.27e+07	1.59	y	40:01	1.18	433	-	-	*			
13C-PCB-105	2.47e+07	1.59	y	40:01	1.27	1100				111	3.20e+06	2.01e+06

PCB-127	*	*	n	NotFnd	1.10	*	1180	1070	0.906				
PCB-126	1.43e+05	1.44	y	42:08	1.15	5.79	-	-	*				
13C-PCB-126	2.14e+07	1.56	y	42:08	1.16	1050				106	2.70e+06	1.74e+06	
PCB-151	7.27e+06	1.27	y	37:53	0.93	417	-	-	*				
PCB-135	3.96e+06	1.24	y	38:04	0.95	222	-	-	*				
PCB-144	1.73e+06	1.29	y	38:11	0.96	96.5	-	-	*				
PCB-147	7.49e+05	1.40	y	38:19	1.01	39.9	-	-	*				
PCB-139	2.90e+07	1.26	y	38:32	1.01	1530	-	-	*		Co-elute PCB 149		
PCB-149	2.90e+07	1.26	y	38:32	1.01	1530	-	-	*		Co-elute PCB 139		
PCB-140	2.54e+05	1.41	y	38:44	1.04	13.1	-	-	*				
PCB-143	1.59e+06	1.25	y	39:09	0.87	97.8	-	-	*		Co-elute PCB 134		
PCB-134	1.59e+06	1.25	y	39:09	0.87	97.8	-	-	*		Co-elute PCB 143		
PCB-131	9.34e+05	1.27	y	39:25	0.88	56.8	-	-	*		Co-elute PCB 133		
PCB-133	9.34e+05	1.27	y	39:25	0.88	56.8	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	1020	890	1.27				
PCB-165	5.57e+06	1.24	y	39:46	1.14	260	-	-	*		Co-elute PCB 146		
PCB-146	5.57e+06	1.24	y	39:46	1.14	260	-	-	*		Co-elute PCB 165		
PCB-161	9.37e+06	1.26	y	40:03	1.11	452	-	-	*		Co-elute PCB 132		
PCB-132	9.37e+06	1.26	y	40:03	1.11	452	-	-	*		Co-elute PCB 161		
PCB-153	4.00e+07	1.26	y	40:09	1.12	1910	-	-	*				
PCB-168	*	*	n	NotFnd	1.25	*	1020	890	0.906				
PCB-141	6.05e+06	1.25	y	40:52	0.97	333	-	-	*				
PCB-137	1.61e+06	1.28	y	41:14	1.02	84.4	-	-	*				
PCB-130	1.67e+06	1.32	y	41:19	0.82	109	-	-	*				
PCB-138	4.16e+07	1.28	y	41:40	1.14	1950	-	-	*		Co-elute PCB 163/164		
PCB-163	4.16e+07	1.28	y	41:40	1.14	1950	-	-	*		Co-elute PCB 138/164		
PCB-164	4.16e+07	1.28	y	41:40	1.14	1950	-	-	*		Co-elute PCB 138/163		
PCB-158	4.75e+06	1.24	y	41:53	1.26	201	-	-	*		Co-elute PCB 160		
PCB-160	4.75e+06	1.24	y	41:53	1.26	201	-	-	*		Co-elute PCB 158		
PCB-129	1.15e+06	1.26	y	42:08	0.83	74.1	-	-	*				
PCB-166	1.43e+05	1.16	y	42:34	1.22	6.24	-	-	*				
PCB-159	4.16e+05	1.41	y	42:56	1.28	17.4	-	-	*				
PCB-128	5.63e+06	1.29	y	43:09	1.08	280	-	-	*		Co-elute PCB 162		
PCB-162	5.63e+06	1.29	y	43:09	1.08	280	-	-	*		Co-elute PCB 128		
PCB-167	1.64e+06	1.27	y	43:30	1.19	69.5	-	-	*				
13C-PCB-167	1.97e+07	1.30	y	43:30	1.13	992				99.9	2.51e+06	1.92e+06	
PCB-156	4.17e+06	1.26	y	44:44	1.21	178	-	-	*				
13C-PCB-156	1.91e+07	1.30	y	44:43	1.09	998				100	2.29e+06	1.77e+06	
PCB-157	8.52e+05	1.20	y	44:59	1.19	36.9	-	-	*				
13C-PCB-157	1.93e+07	1.29	y	44:59	1.09	999				101	2.23e+06	1.72e+06	
PCB-169	*	*	n	NotFnd	1.12	*	1020	890	0.974				
13C-PCB-169	1.62e+07	1.26	y	46:49	1.04	882				88.8	2.43e+06	1.93e+06	

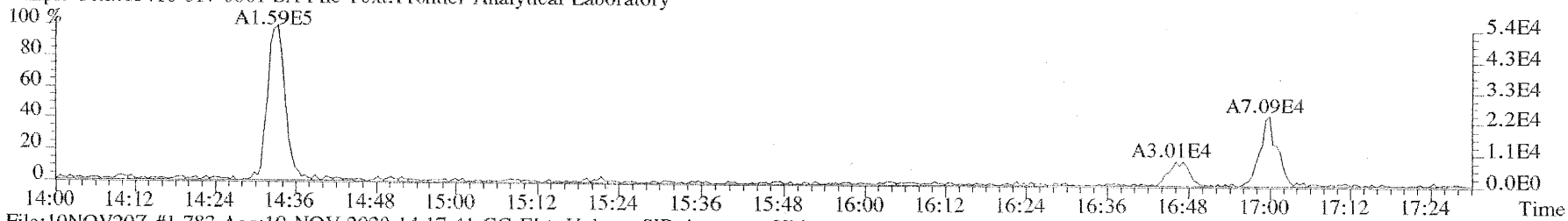
PCB-188	3.11e+04	1.16	y	39:50	1.09	1.79	J	-	-	*			
13C-PCB-188	1.58e+07	1.08	y	39:48	1.06	845					85.1	1.74e+06	1.59e+06
PCB-184	*	*	n	NotFnd	1.27	*		570	528	0.662			
PCB-179	4.12e+06	1.05	y	40:59	1.20	243		-	-	*			
PCB-176	1.36e+06	1.07	y	41:25	1.15	83.3		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		570	528	0.717			
PCB-178	1.49e+06	1.01	y	42:26	0.84	124		-	-	*			
PCB-175	2.95e+05	1.08	y	42:46	0.88	23.5		-	-	*			
PCB-187	9.82e+06	1.03	y	42:56	0.93	743		-	-	*		Co-elute PCB 182	
PCB-182	9.82e+06	1.03	y	42:56	0.93	743		-	-	*		Co-elute PCB 187	
PCB-183	4.94e+06	1.08	y	43:14	0.94	370		-	-	*			
PCB-185	7.97e+05	1.05	y	43:52	0.87	64.8		-	-	*			
PCB-174	6.81e+06	1.05	y	44:11	0.79	604		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		570	528	0.905			
PCB-177	4.13e+06	1.05	y	44:28	0.82	356		-	-	*			
PCB-171	2.05e+06	1.10	y	44:44	0.87	166		-	-	*			
PCB-173	1.22e+05	1.08	y	45:09	0.76	11.3		-	-	*			
PCB-172	1.10e+06	1.08	y	45:32	0.80	97.0		-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*		570	528	0.795			
PCB-180	1.56e+07	1.05	y	45:53	0.82	1340		-	-	*			
PCB-193	1.01e+06	1.09	y	46:02	1.13	62.6		-	-	*			
PCB-191	3.67e+05	1.06	y	46:15	1.14	22.7		-	-	*			
PCB-170	6.55e+06	1.06	y	47:09	0.78	590		-	-	*			
PCB-190	1.76e+06	1.09	y	47:19	1.05	118		-	-	*			
PCB-189	3.21e+05	1.04	y	48:30	1.09	23.7		-	-	*			
13C-PCB-189	1.24e+07	1.09	y	48:28	0.89	787					79.3	1.60e+06	1.51e+06
PCB-202	7.29e+05	0.96	y	44:56	1.11	65.0		-	-	*			
PCB-201	5.42e+05	0.88	y	45:22	1.20	44.8		-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*		580	590	1.05			
PCB-197	1.76e+05	0.95	y	45:45	1.27	13.8		-	-	*			
PCB-200	4.62e+05	0.89	y	46:30	1.24	37.1		-	-	*			
PCB-198	1.38e+05	0.95	y	47:40	0.90	15.1		-	-	*			
PCB-199	2.74e+06	0.91	y	47:45	0.84	324		-	-	*			
PCB-203	3.39e+06	0.96	y	48:00	0.96	350		-	-	*		Co-elute PCB 196	
PCB-196	3.39e+06	0.96	y	48:00	0.96	350		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.00e+07	0.90	y	44:54	0.75	754					75.9	1.11e+06	1.21e+06
13C-PCB-178	1.11e+07	1.07	y	42:26	0.80	783					78.8	1.21e+06	1.12e+06
13C-PCB-138	1.75e+07	1.31	y	41:38	-	4.81							
PCB-195	1.71e+06	0.90	y	49:05	0.88	131		-	-	*			
PCB-194	3.65e+06	0.95	y	49:53	0.87	285		-	-	*			
PCB-205	2.83e+05	0.88	y	50:08	1.08	17.7		-	-	*			
13C-PCB-205	1.46e+07	0.89	y	50:08	1.26	1060					106	2.09e+06	2.29e+06
PCB-208	5.69e+05	1.46	y	49:13	1.08	37.8		-	-	*			
13C-PCB-208	1.38e+07	0.79	y	49:12	1.27	983					99.0	2.00e+06	2.60e+06
PCB-207	2.52e+05	1.22	y	49:30	1.25	17.4		-	-	*			
PCB-206	1.41e+06	1.30	y	51:20	1.11	137		-	-	*			
13C-PCB-206	9.19e+06	0.80	y	51:19	0.87	962					96.9	1.30e+06	1.66e+06
PCB-209	6.64e+05	1.19	y	52:31	1.19	59.5		-	-	*			
13C-PCB-209	9.28e+06	1.22	y	52:29	1.01	834					84.0	1.52e+06	1.22e+06
13C-PCB-194	1.10e+07	0.91	y	49:53	-	3.75							

Analyst: J Date: 11/11/20

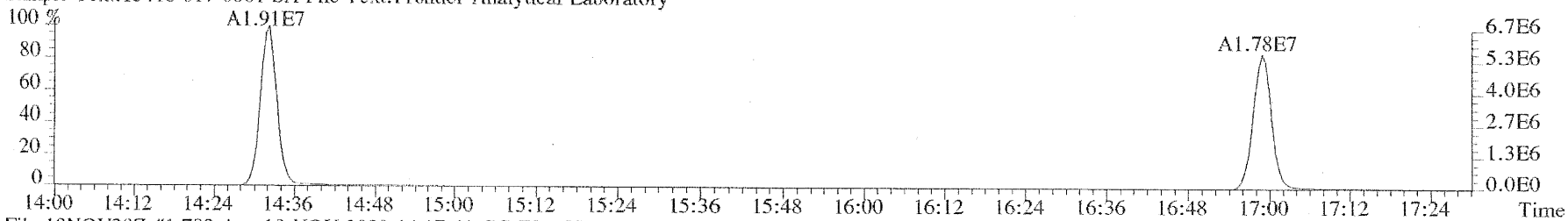
File:10NOV20Z #1-783 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



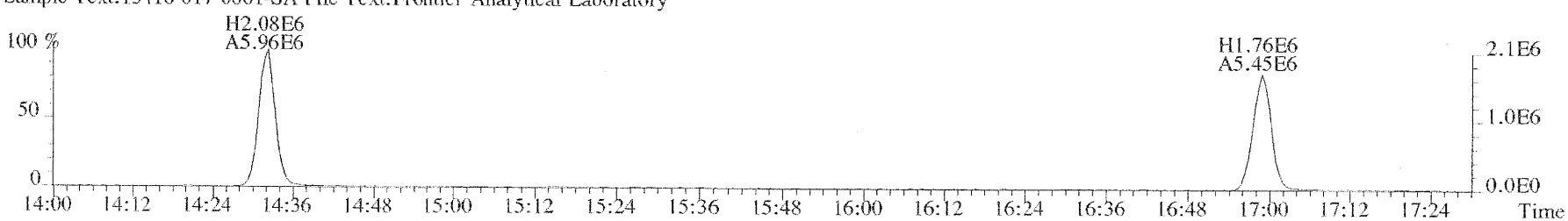
File:10NOV20Z #1-783 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



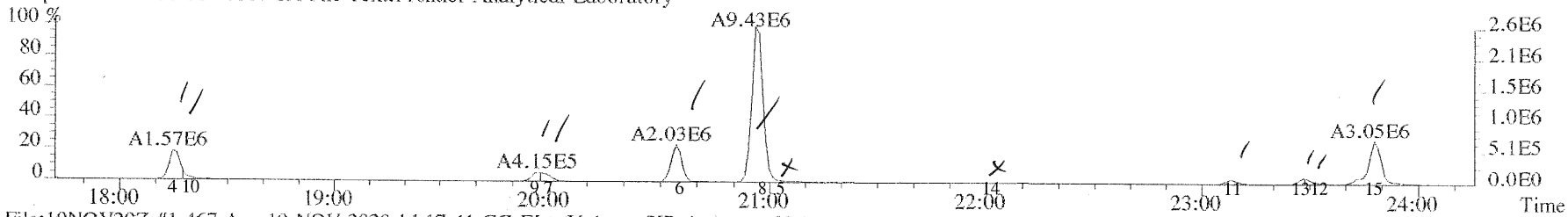
File:10NOV20Z #1-783 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



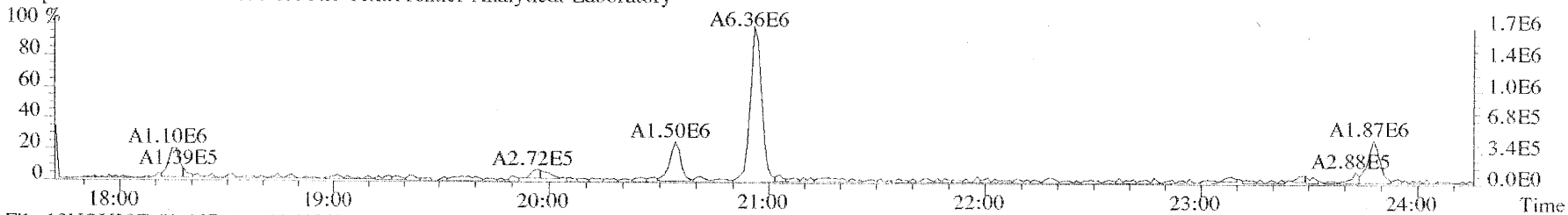
File:10NOV20Z #1-783 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



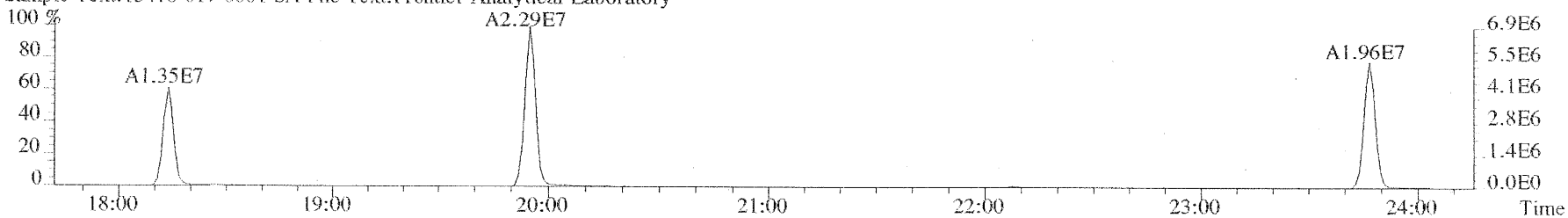
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



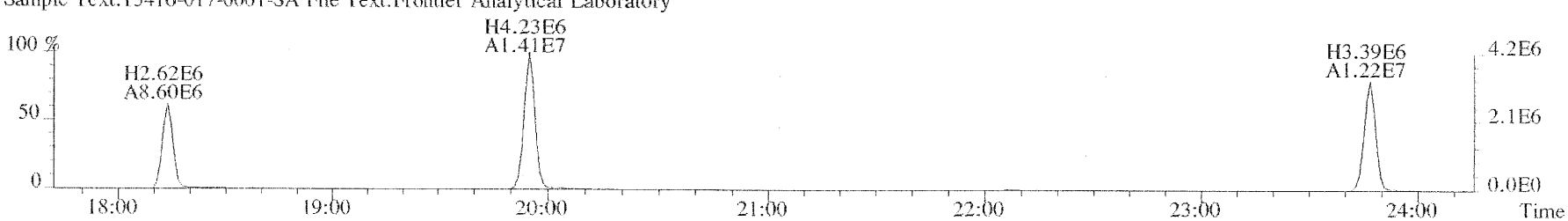
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



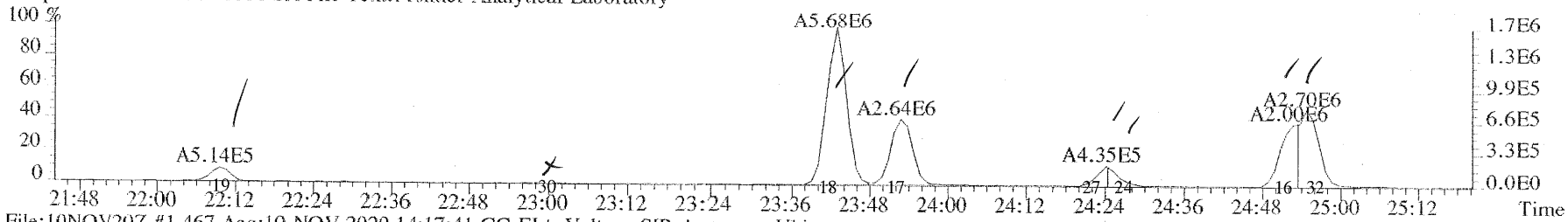
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



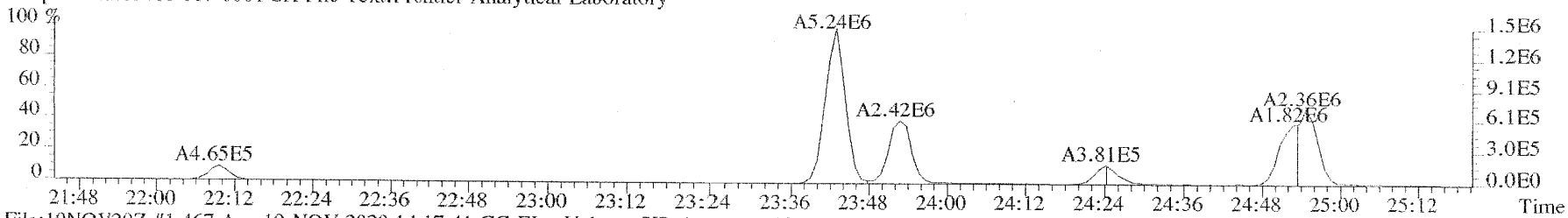
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



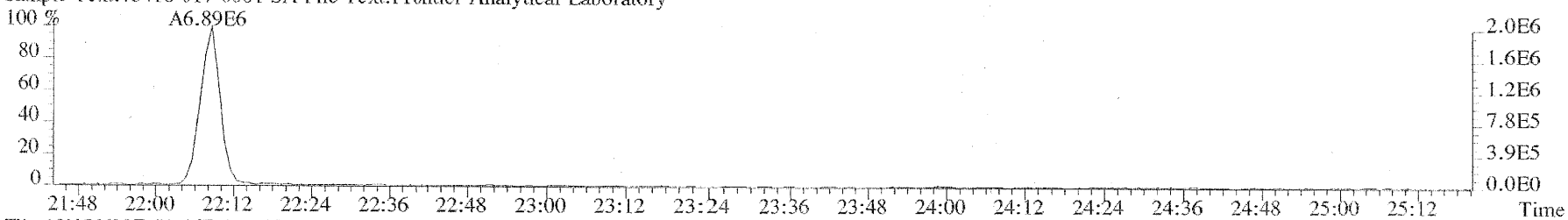
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



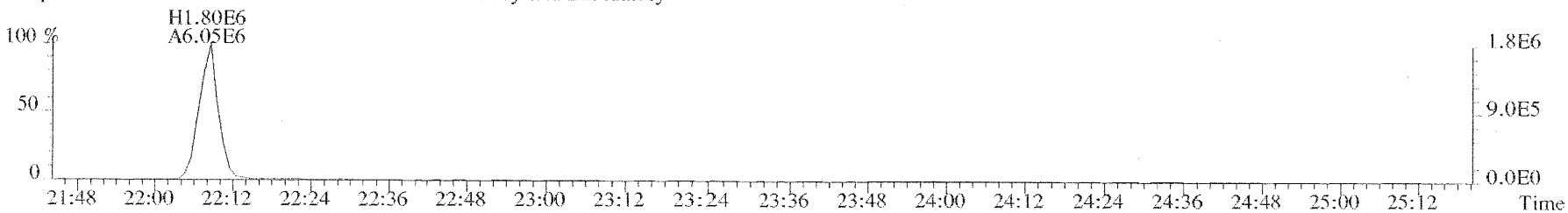
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



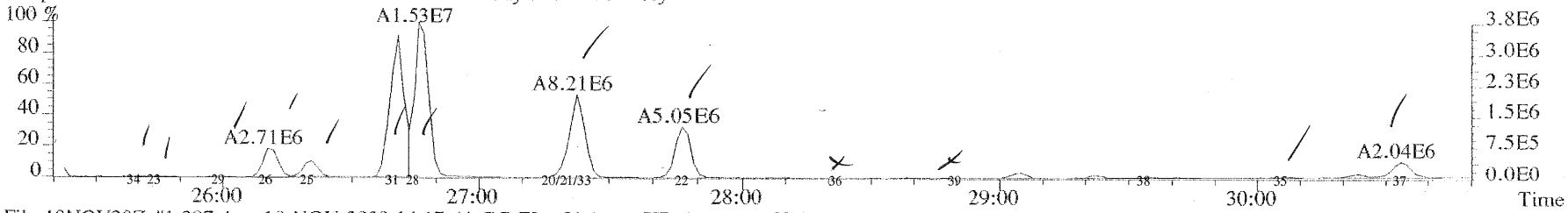
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



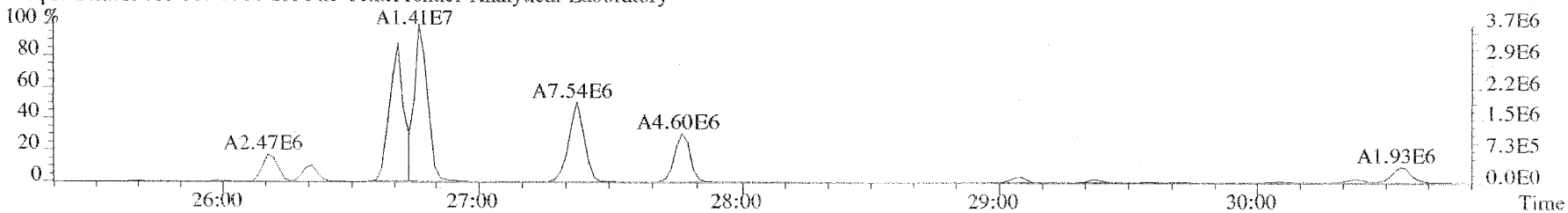
File:10NOV20Z #1-467 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



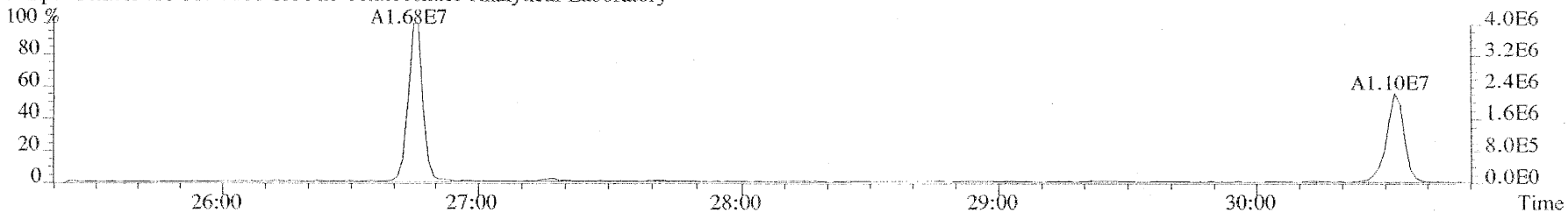
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



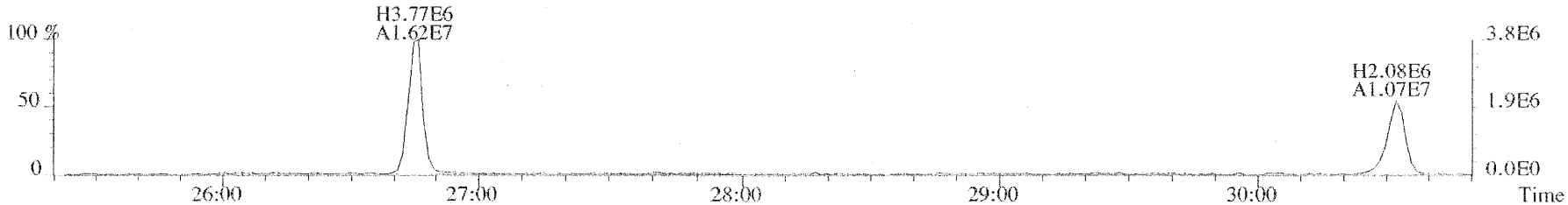
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



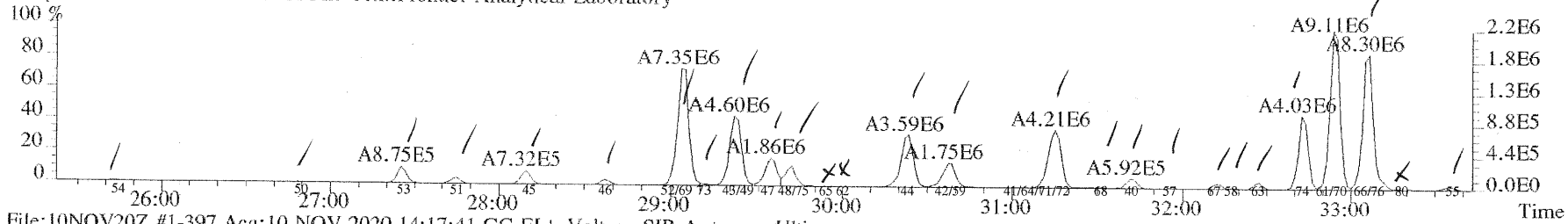
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



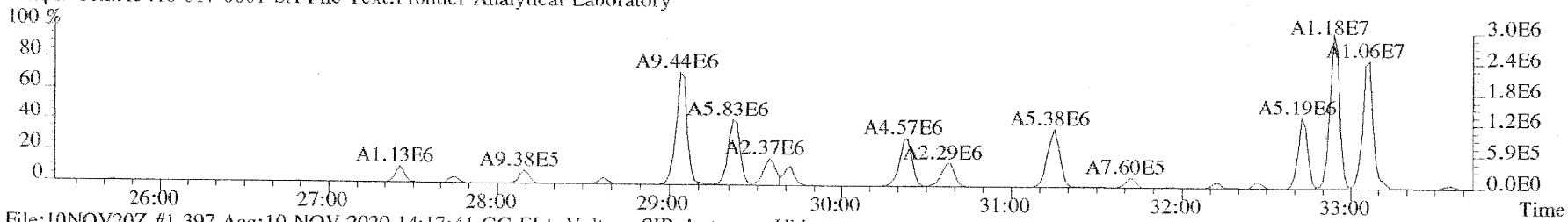
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



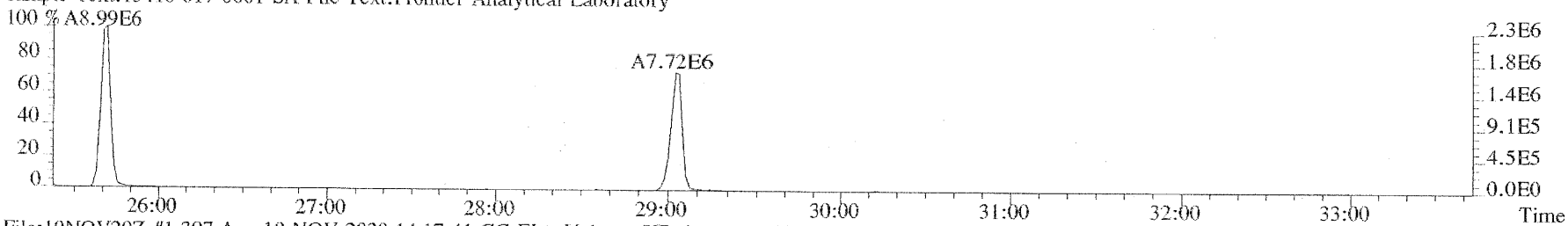
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



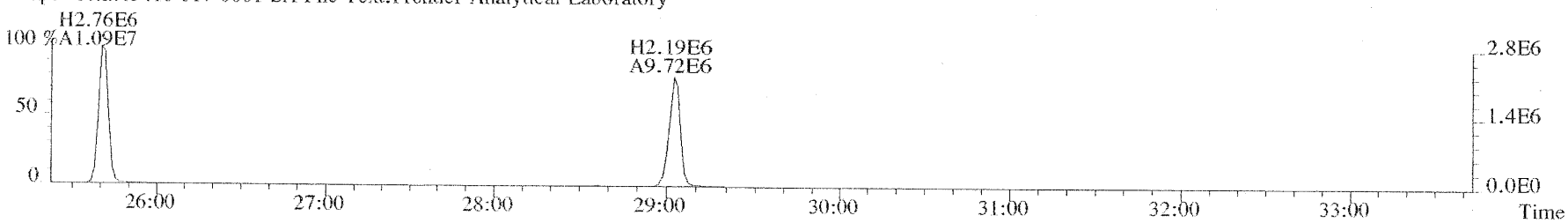
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



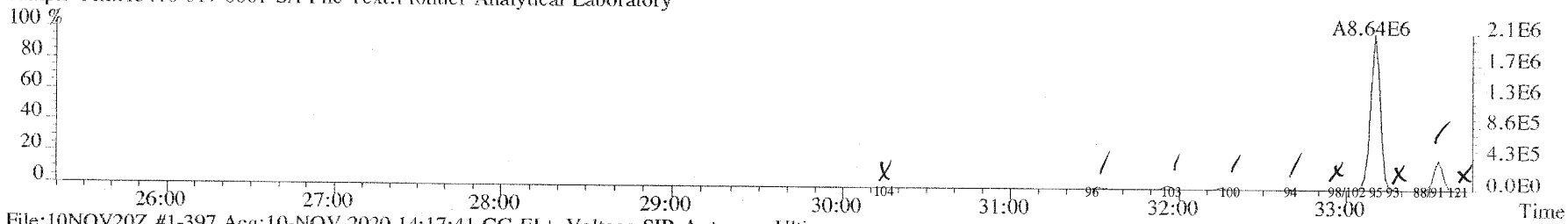
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



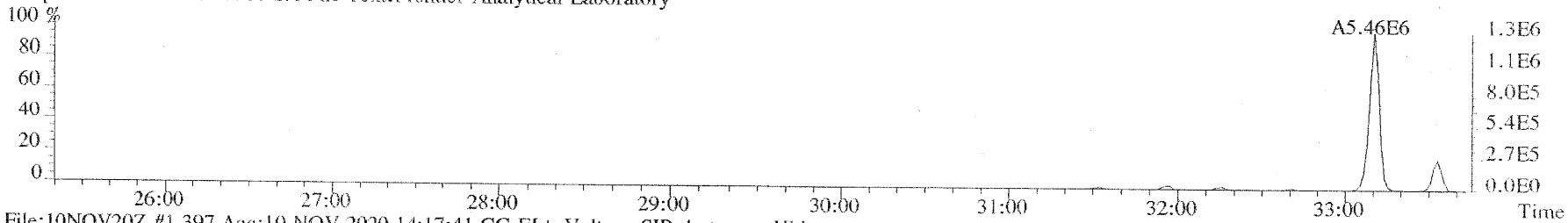
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



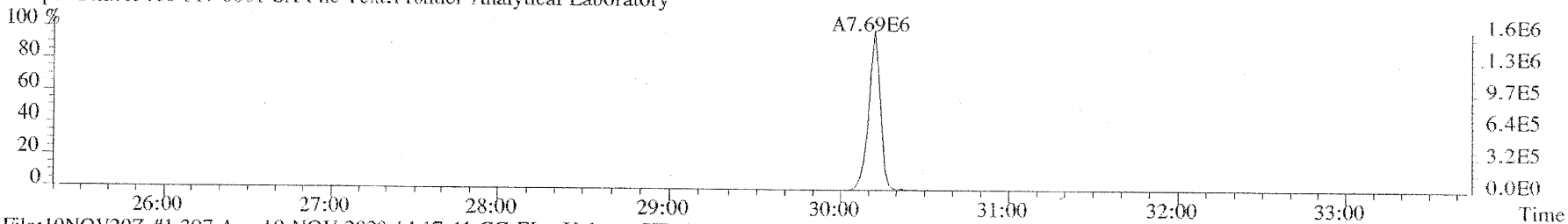
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



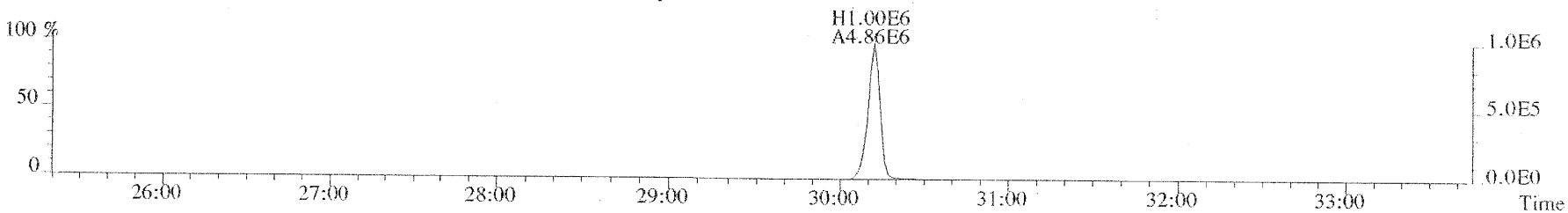
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



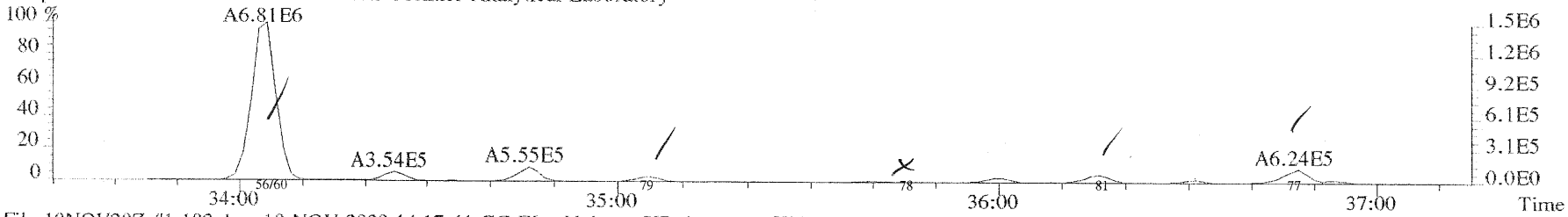
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



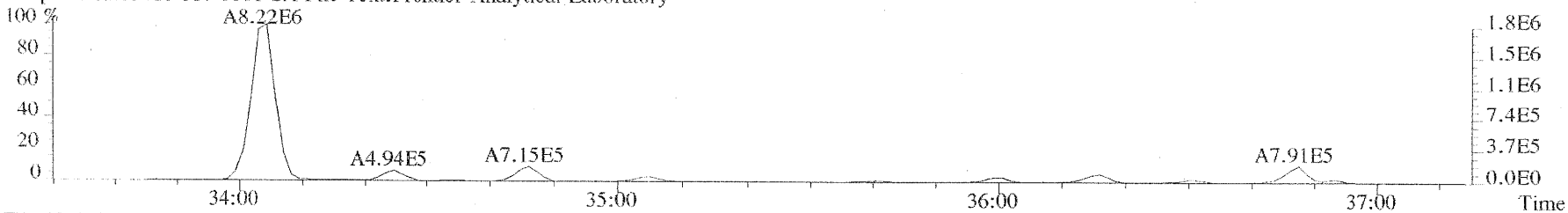
File:10NOV20Z #1-397 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



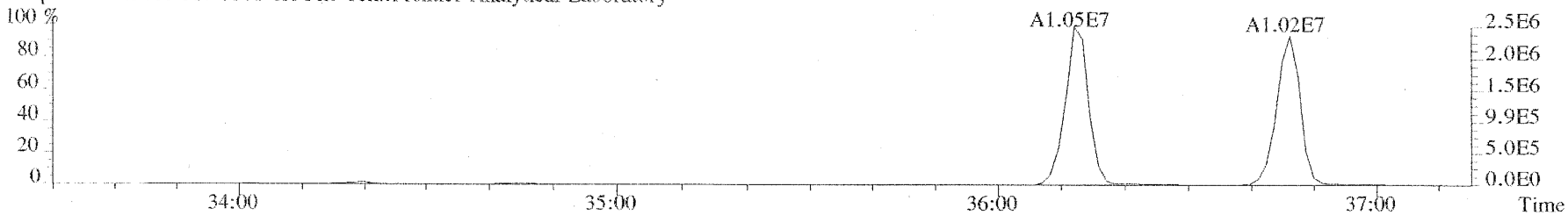
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



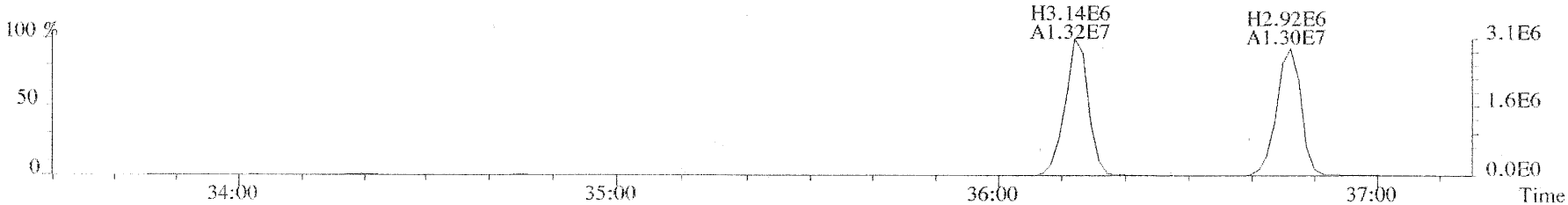
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



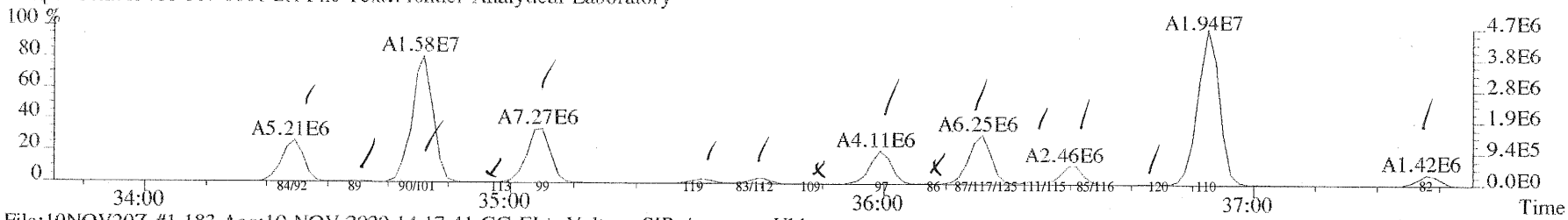
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



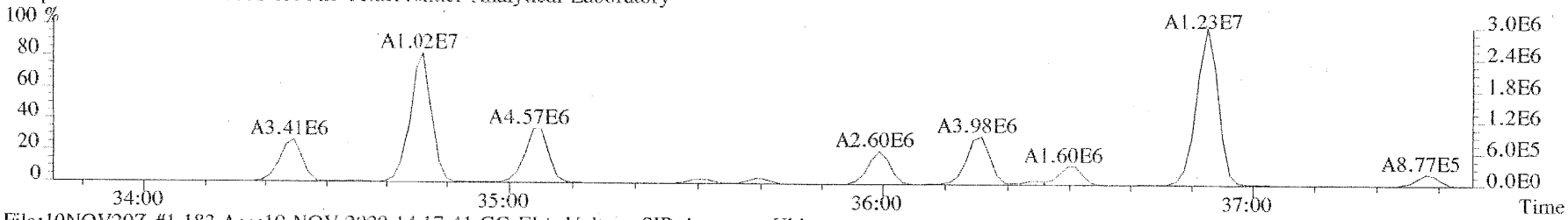
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



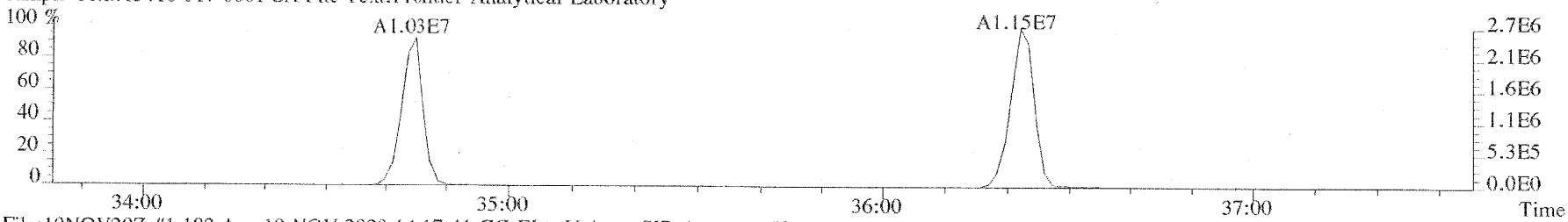
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



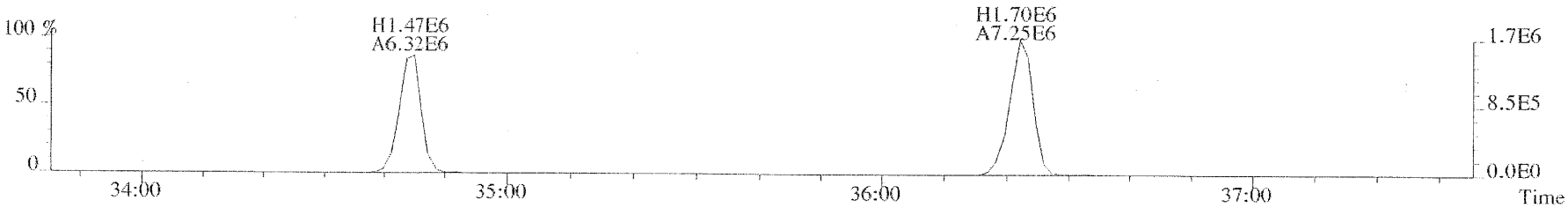
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



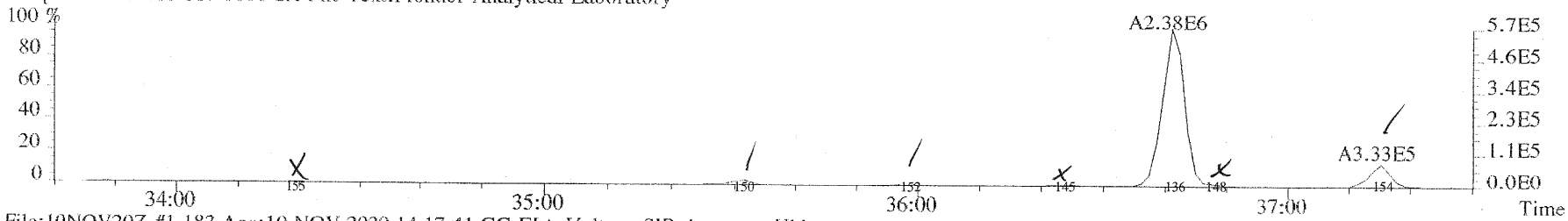
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



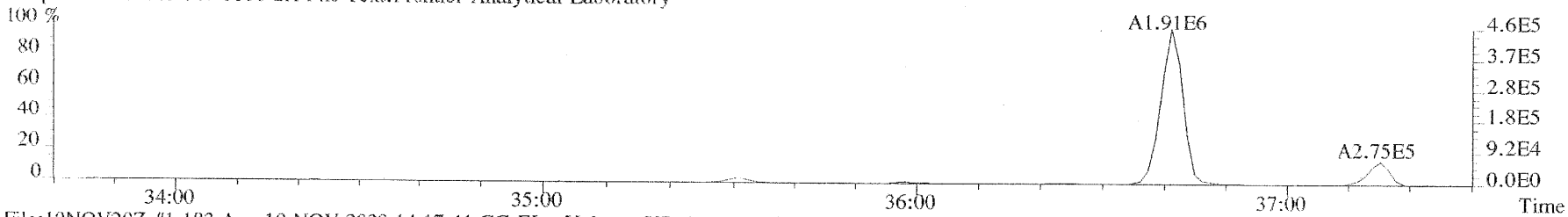
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



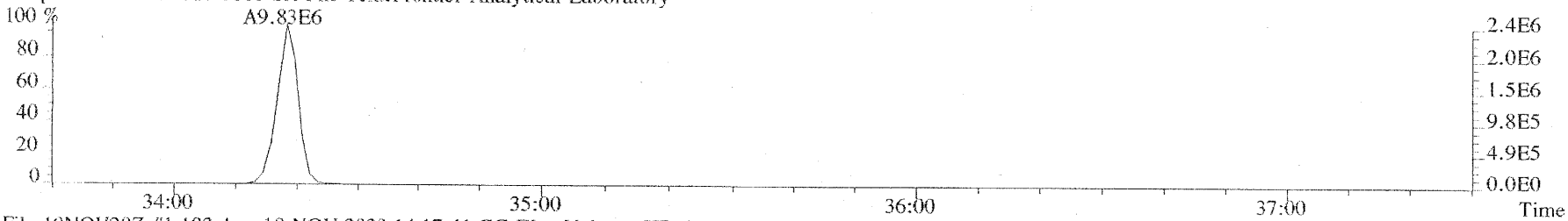
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



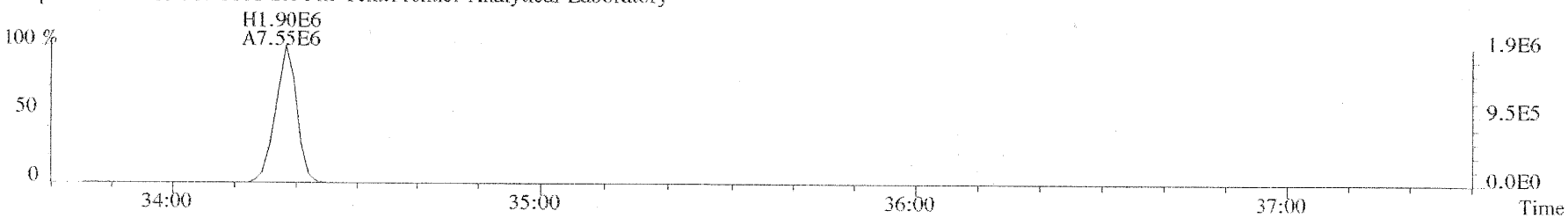
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



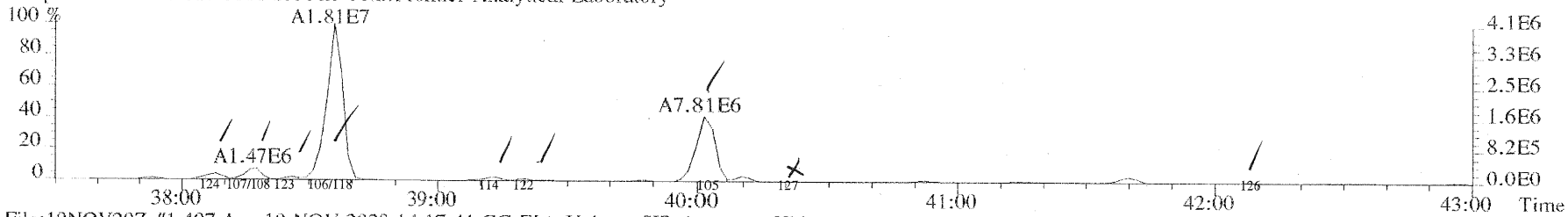
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



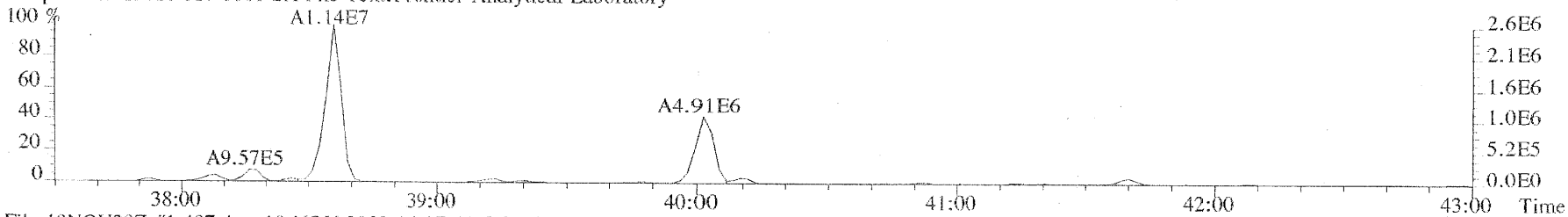
File:10NOV20Z #1-183 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



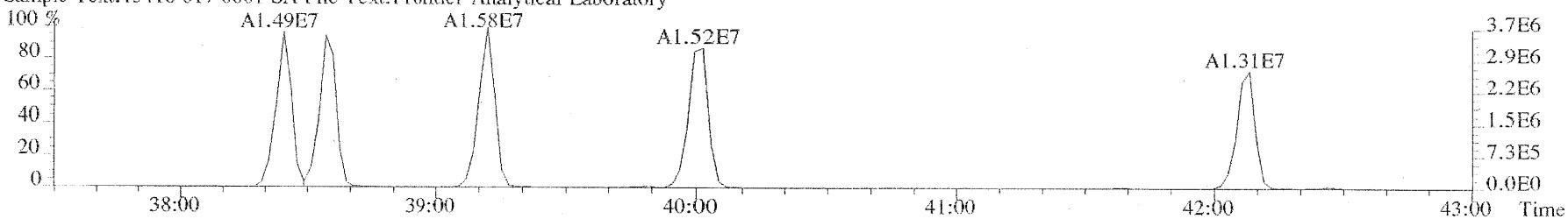
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



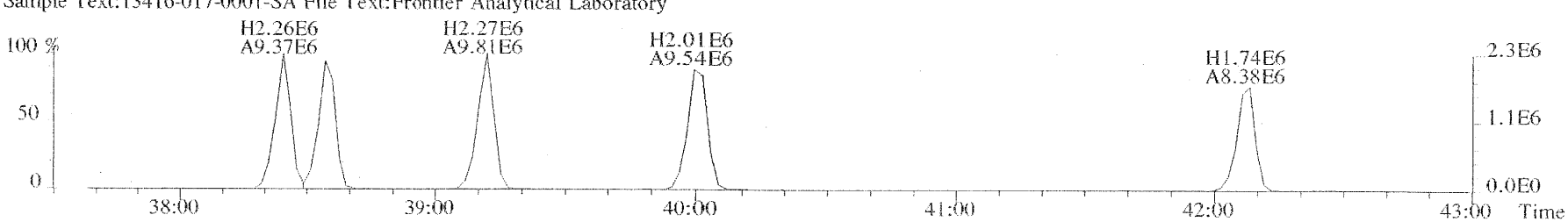
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



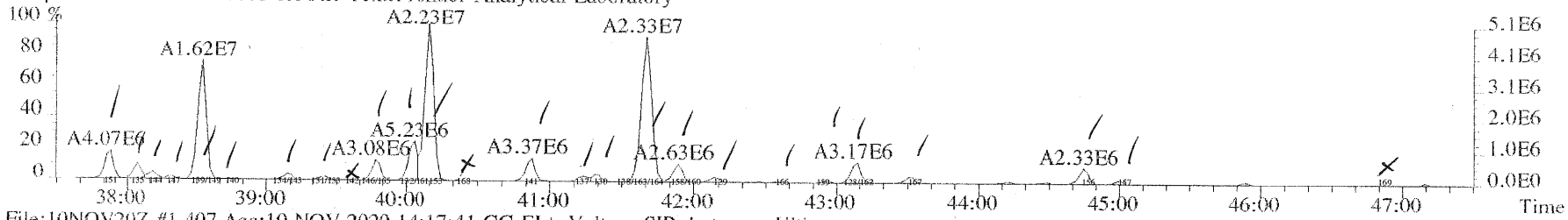
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



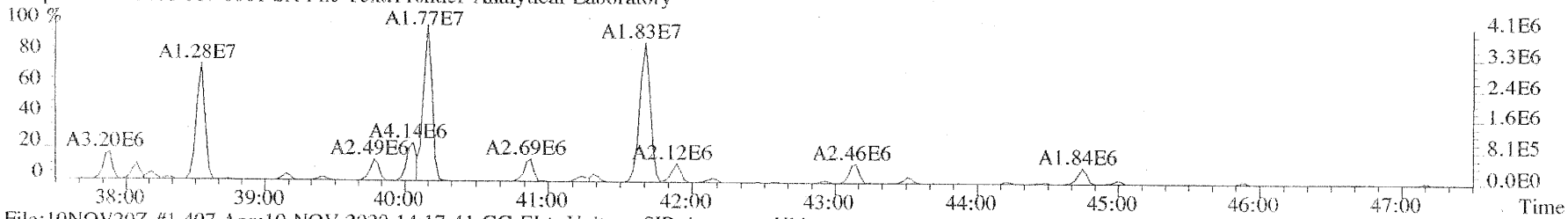
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



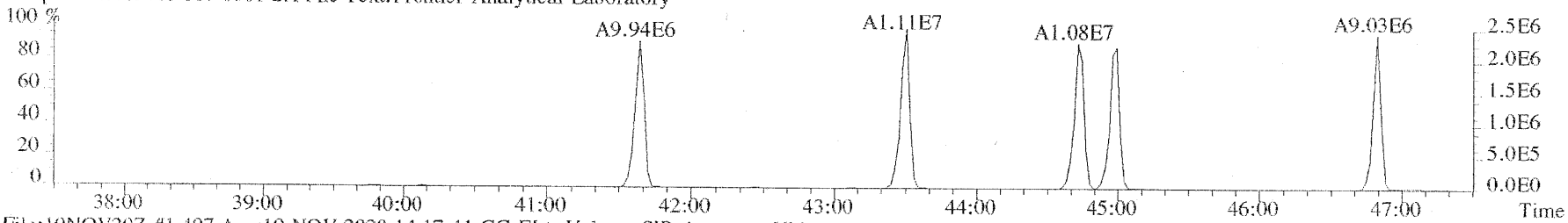
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



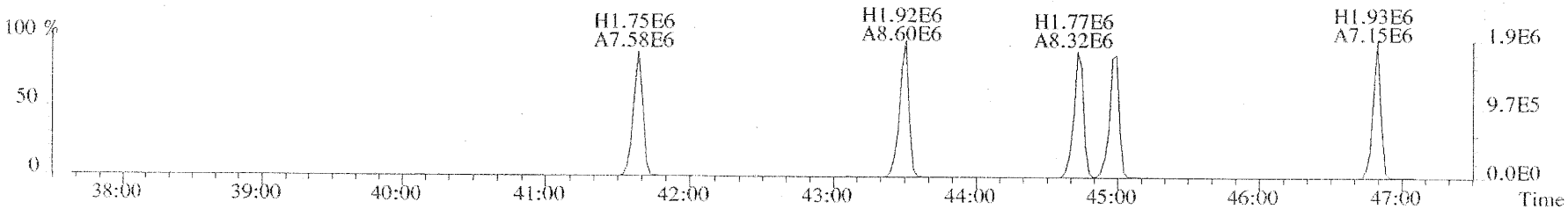
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



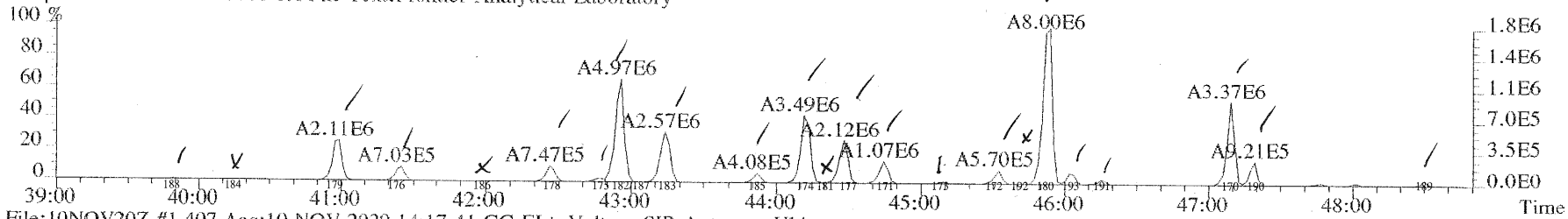
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



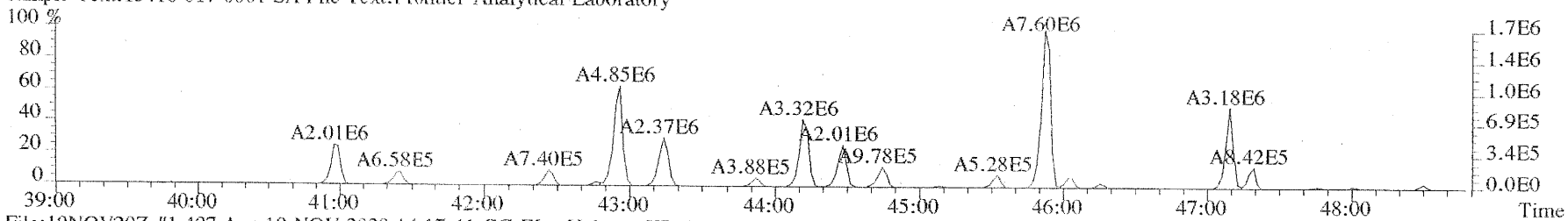
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



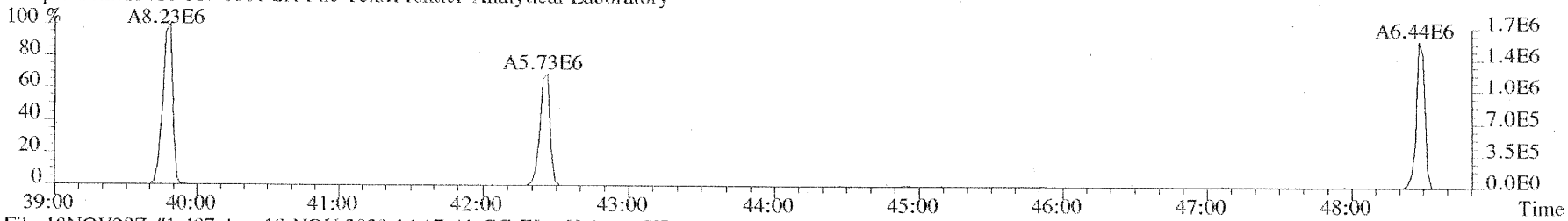
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



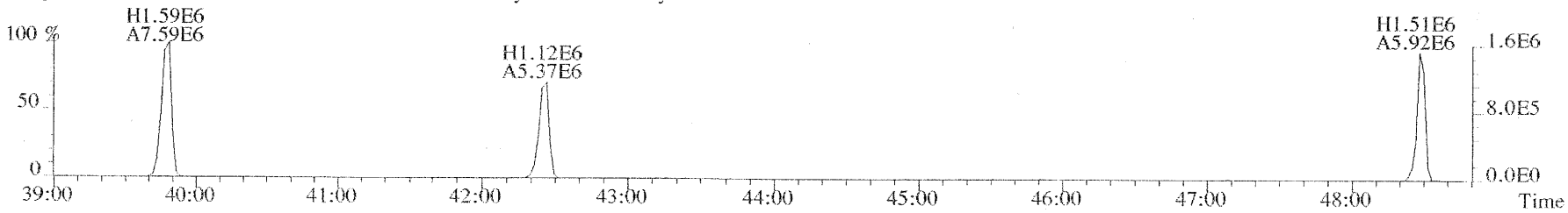
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



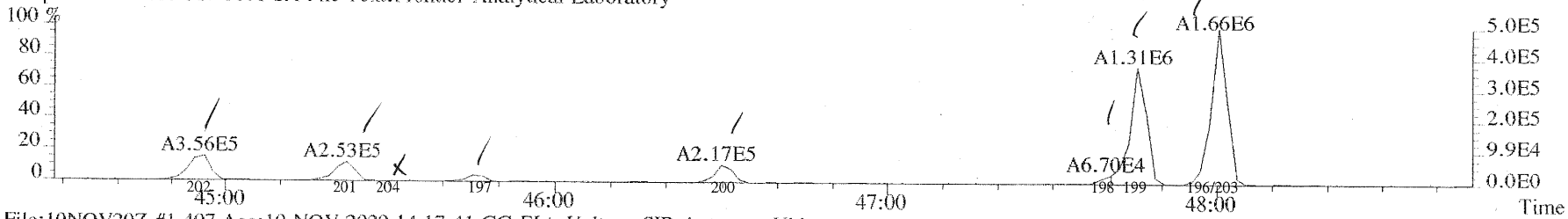
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



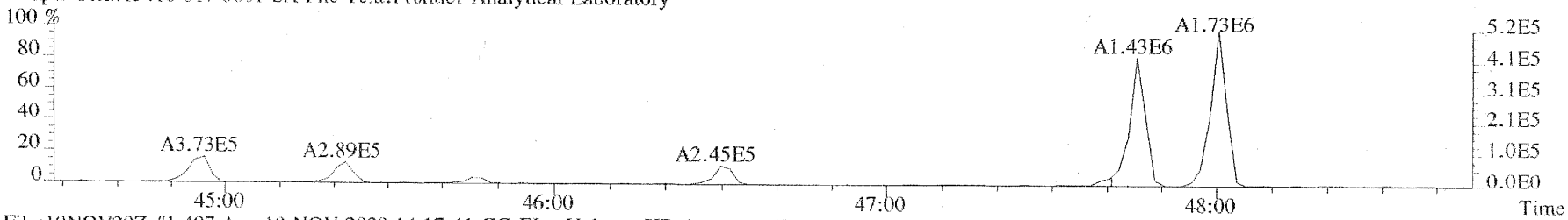
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



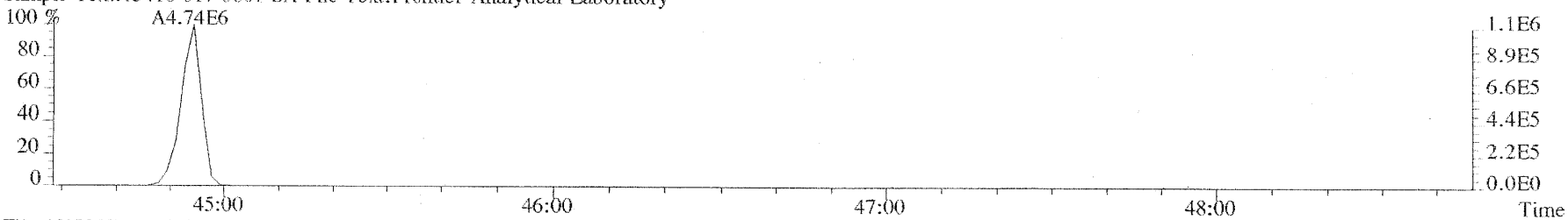
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



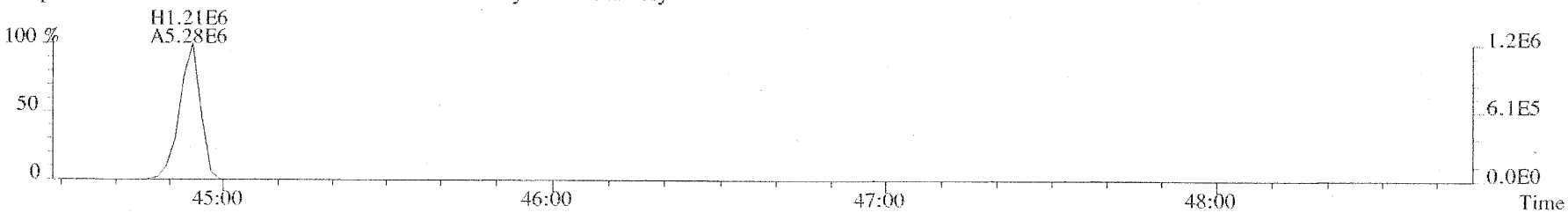
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



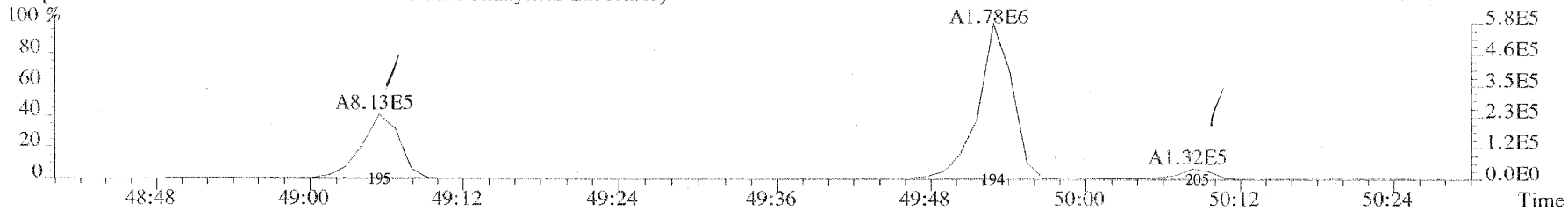
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



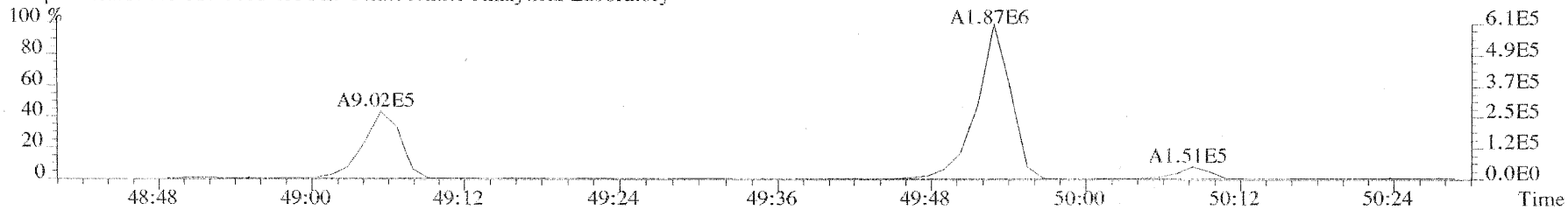
File:10NOV20Z #1-407 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



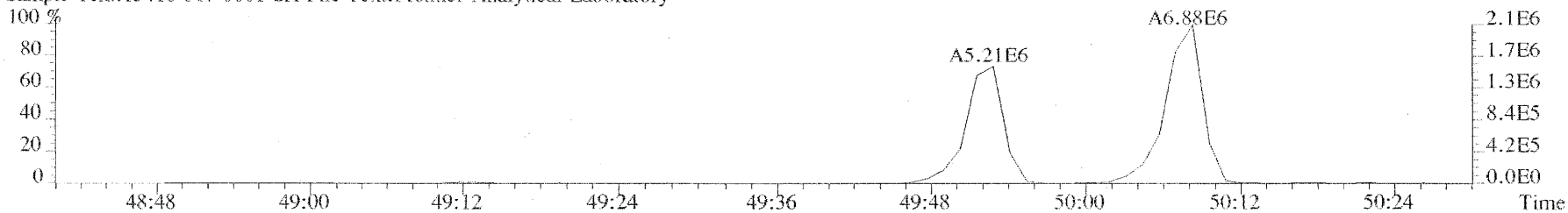
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



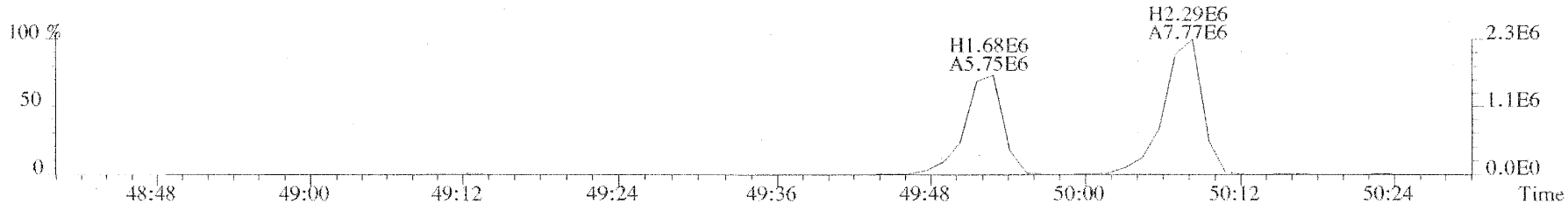
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



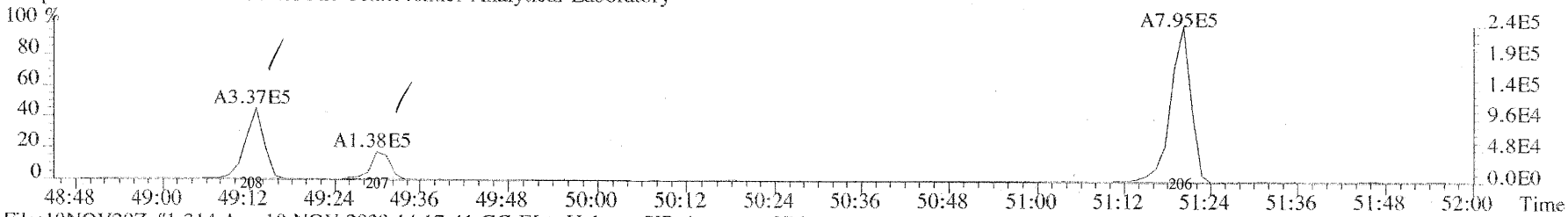
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



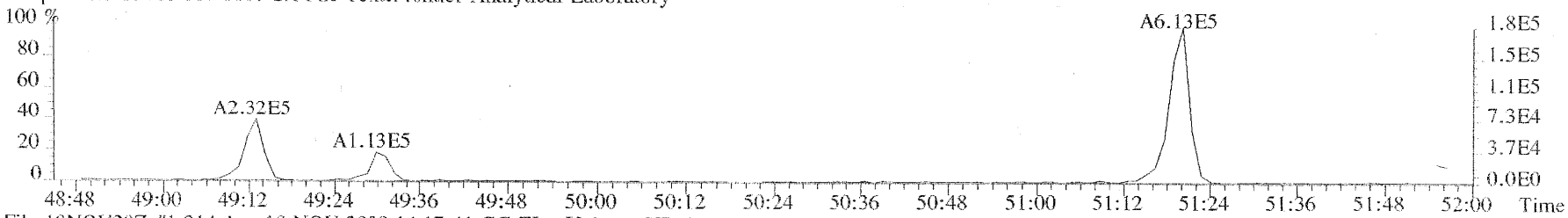
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



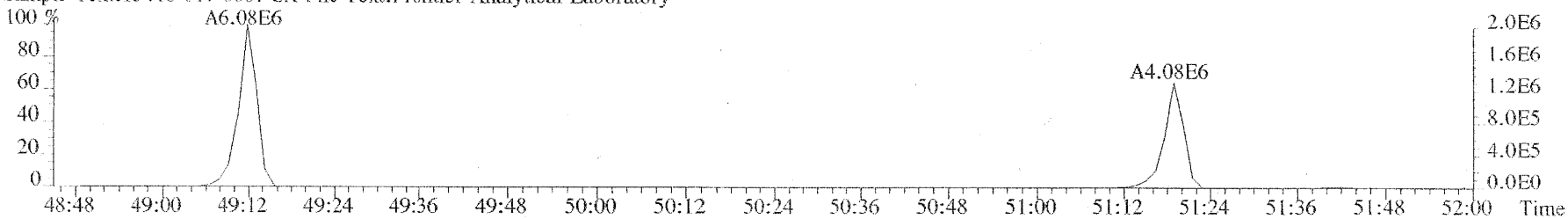
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



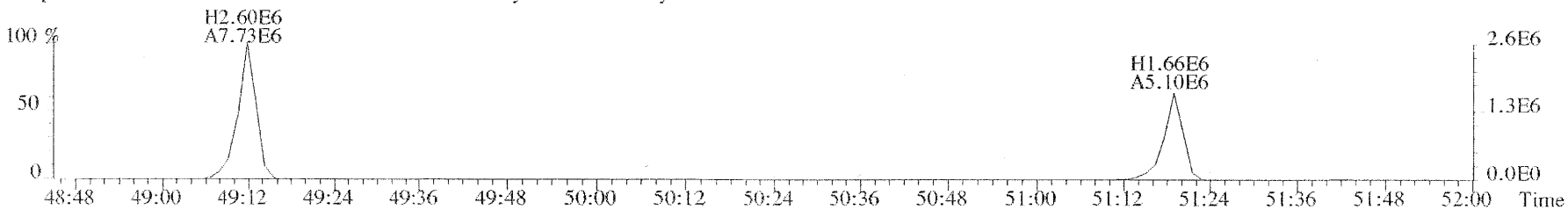
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



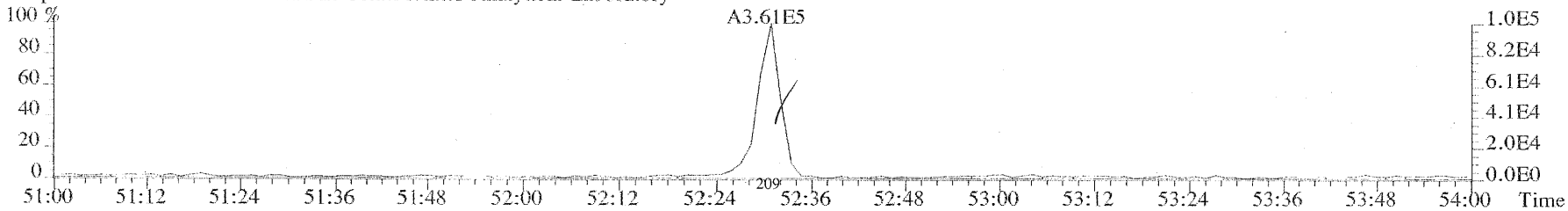
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



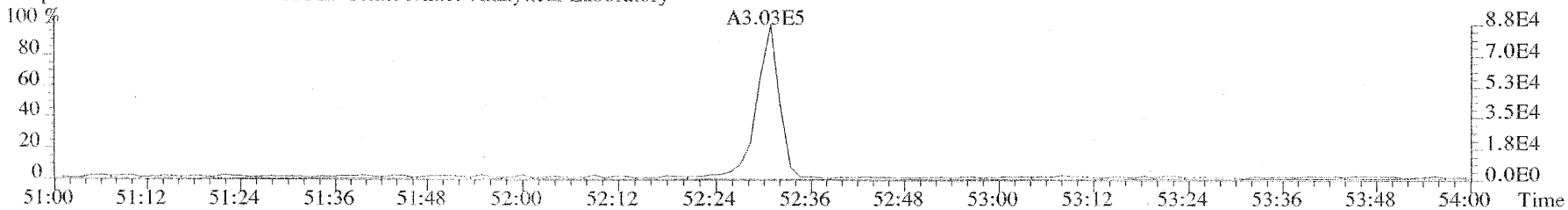
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



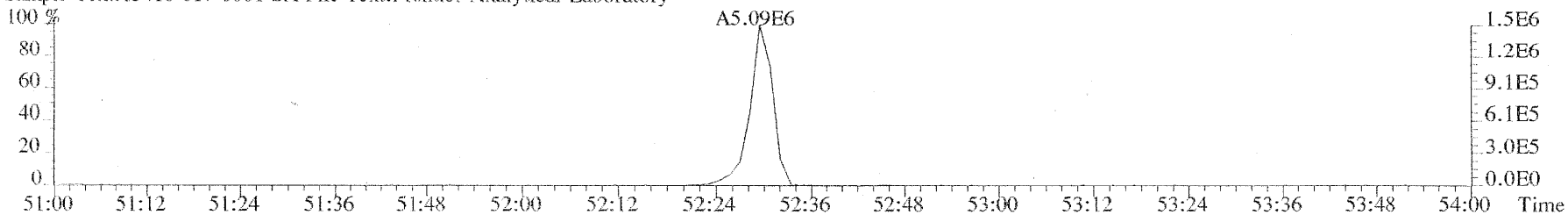
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



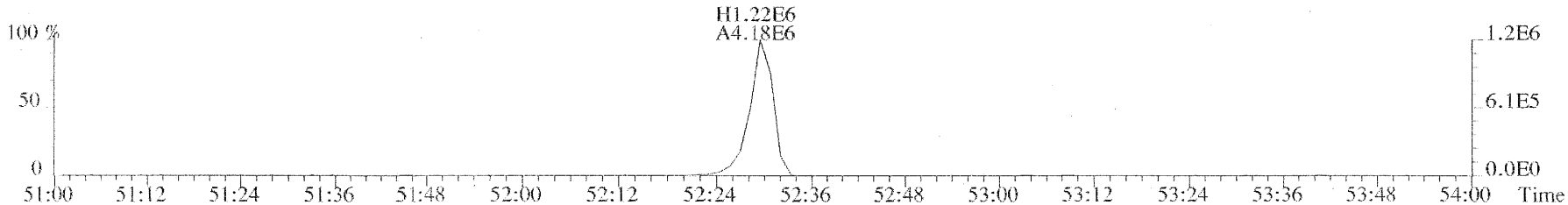
File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 14:17:41 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13416-017-0001-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: [illegible] Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory - Acquisition Log

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

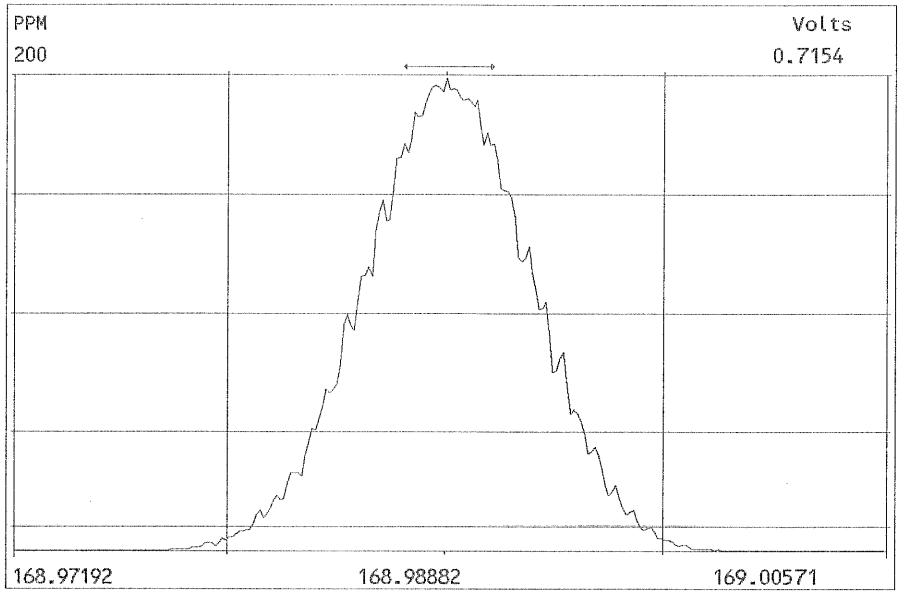
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399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

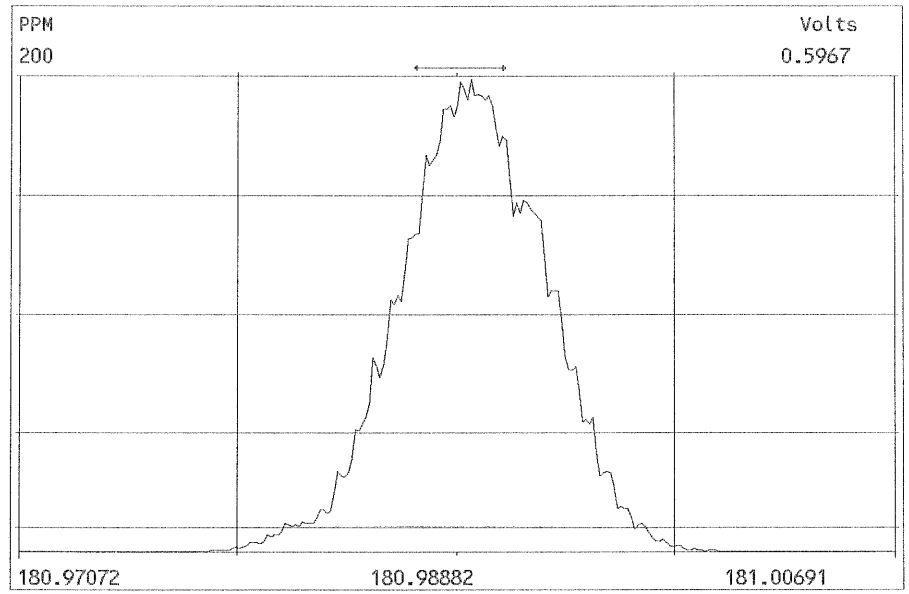
7/28/20

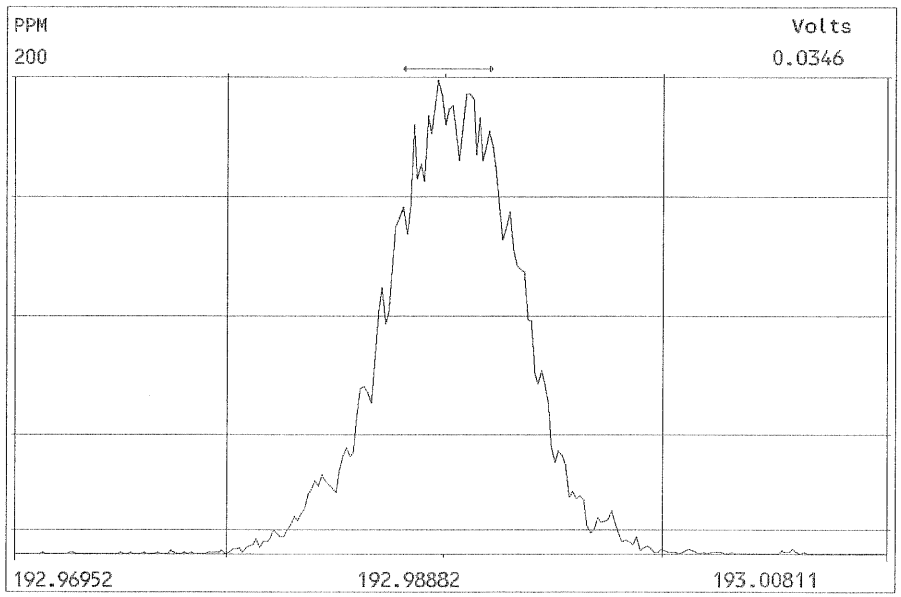
Data Backed Up:_____

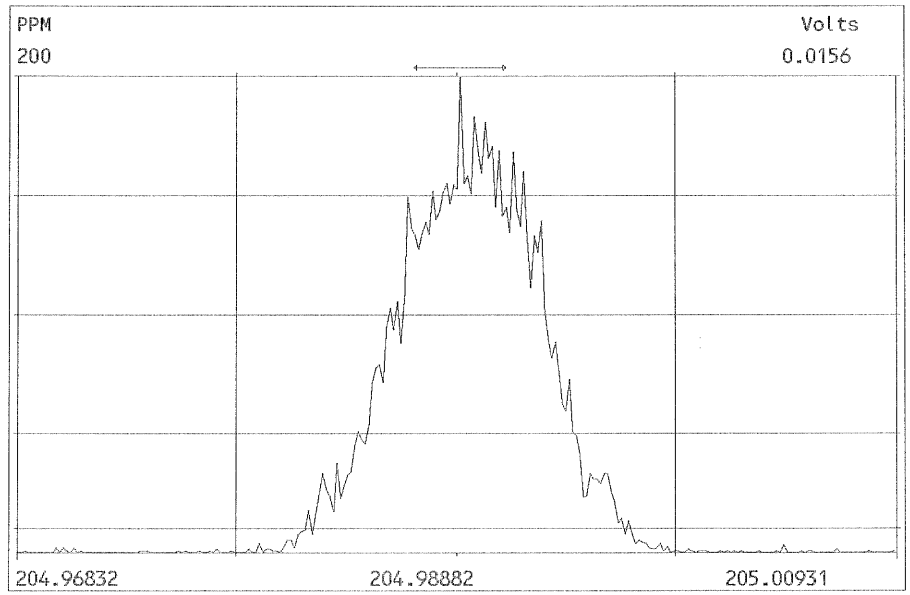
Date:_____

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

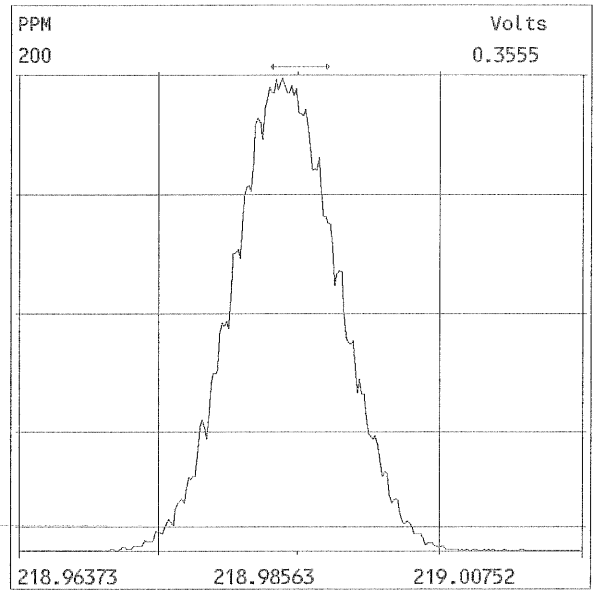


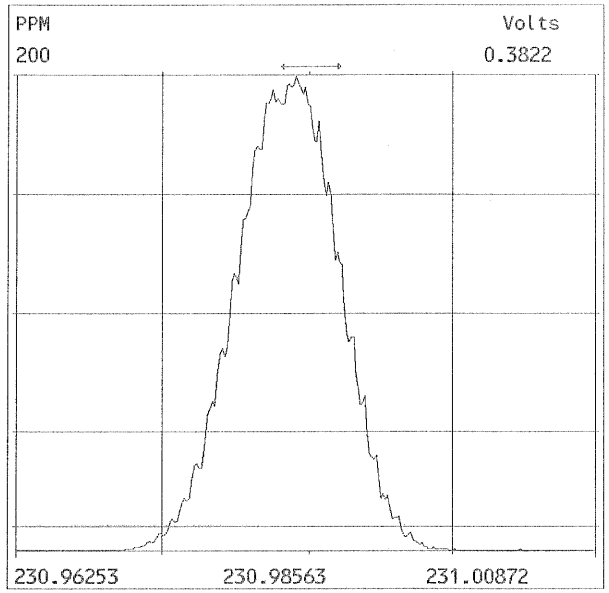


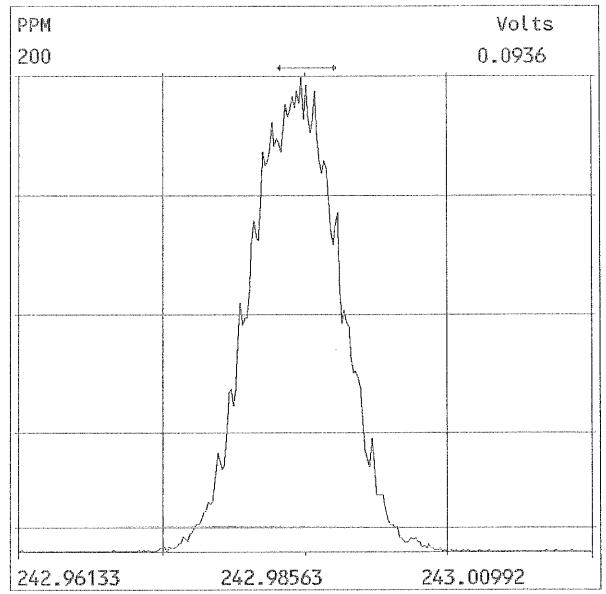


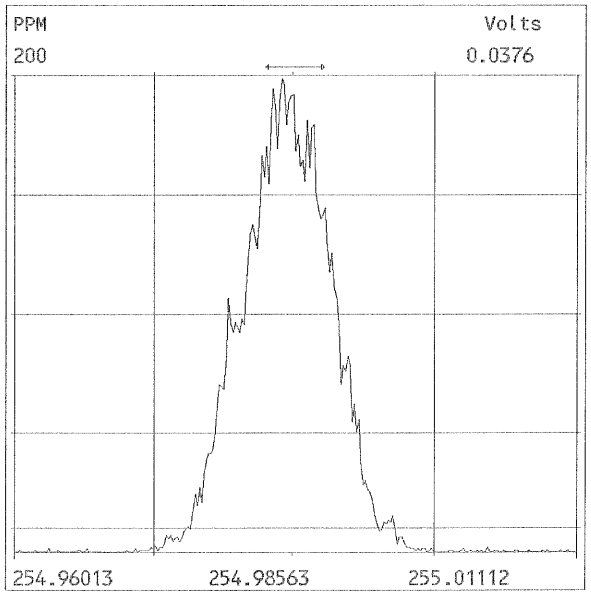


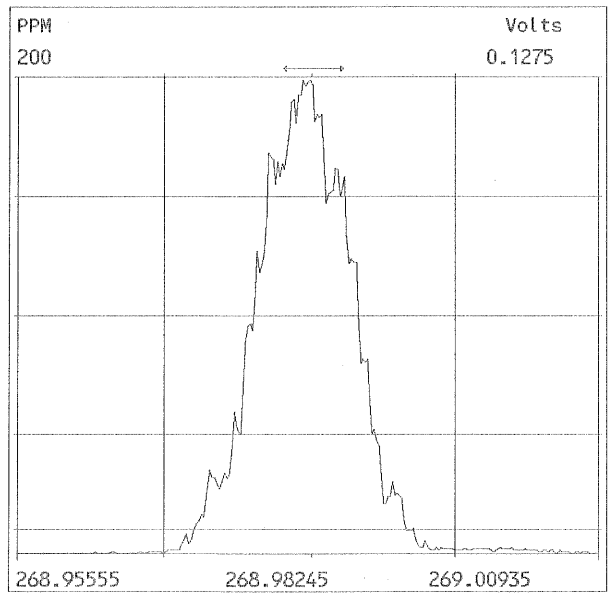
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

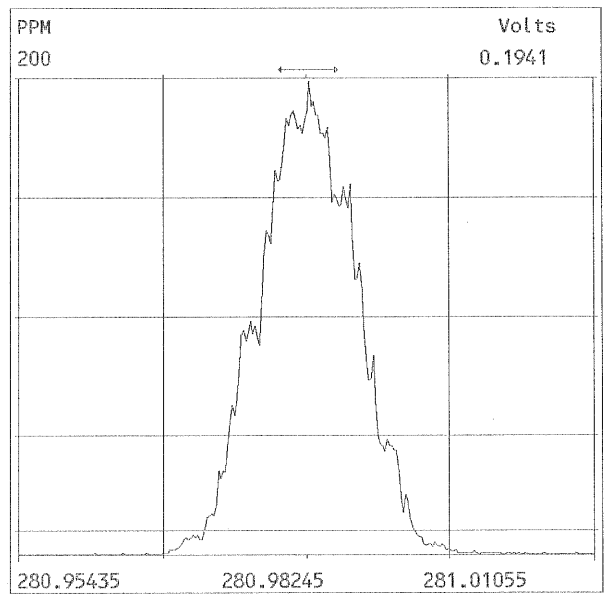




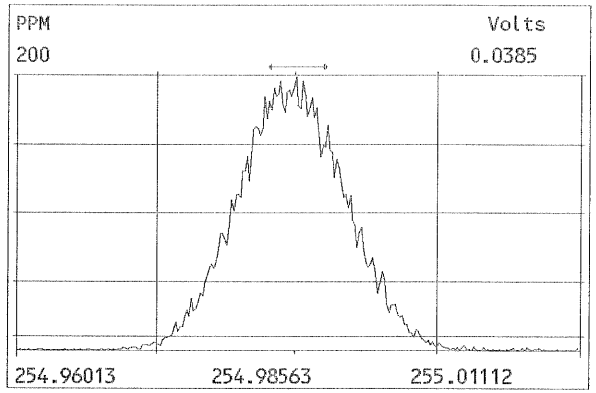


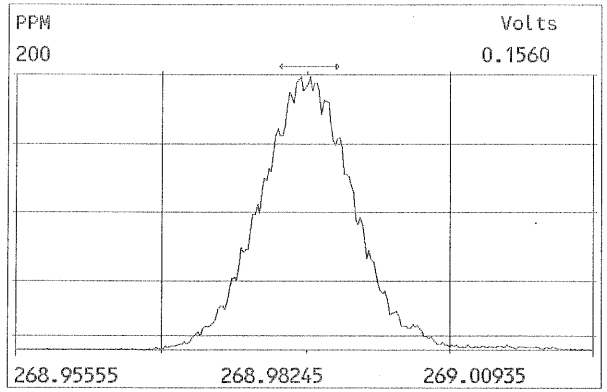


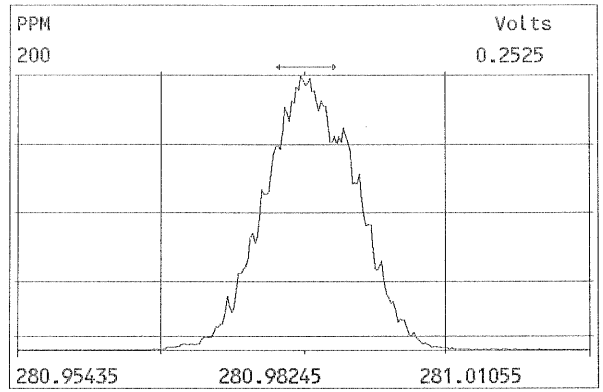


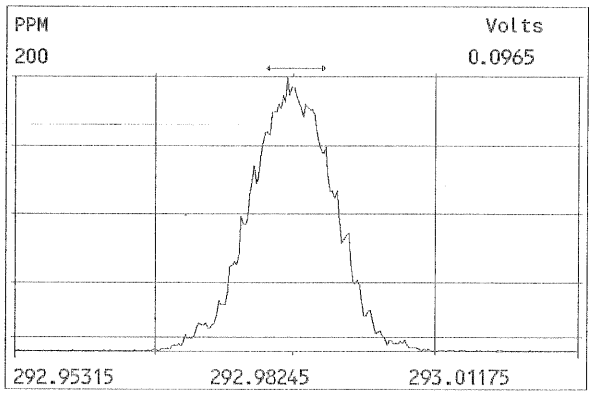


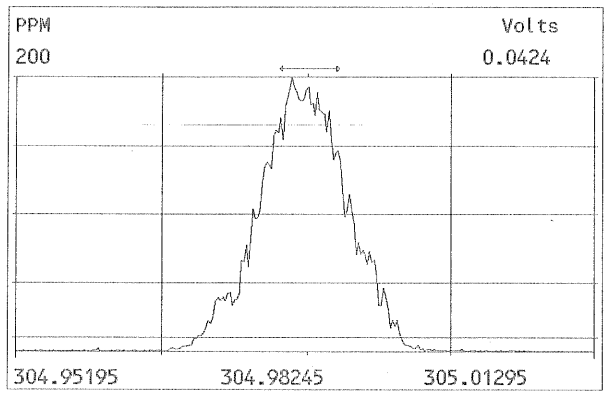
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

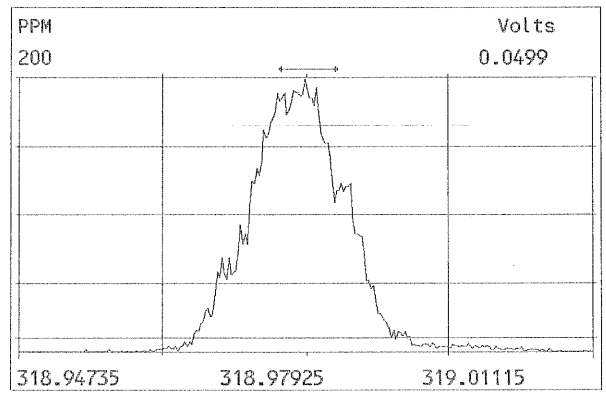


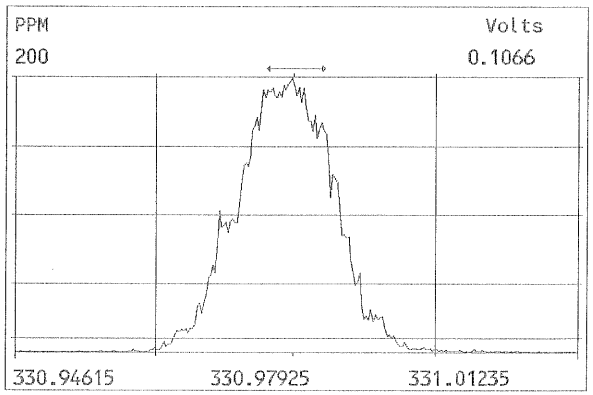


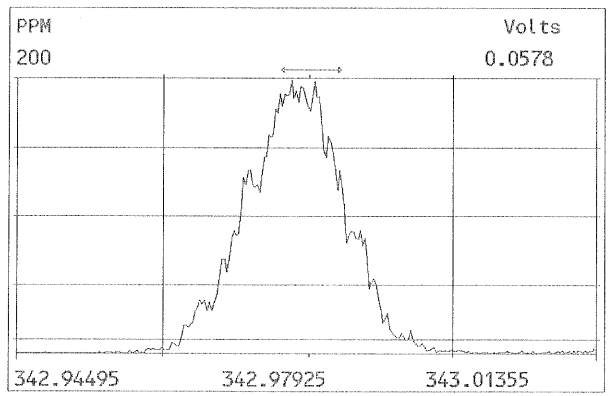




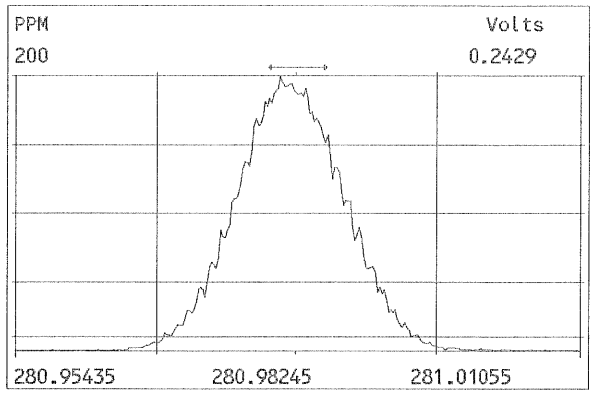


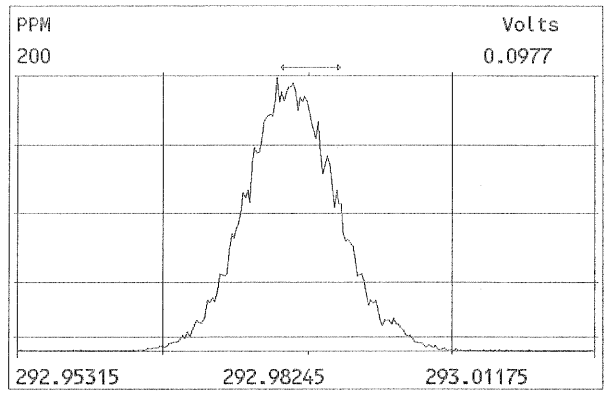


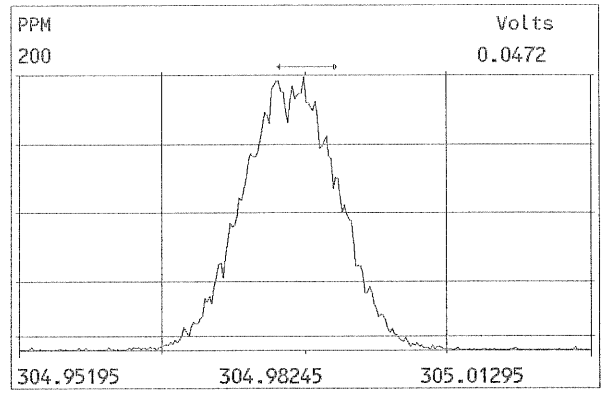


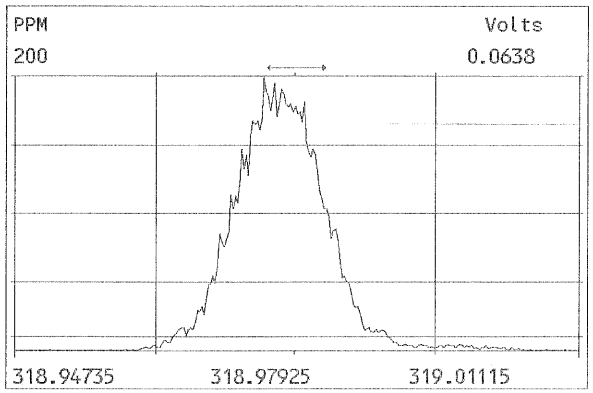


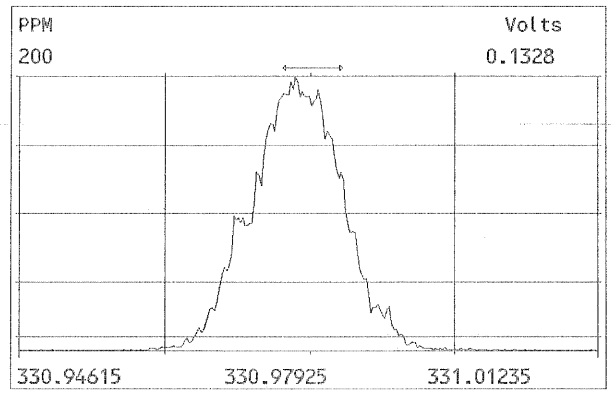
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

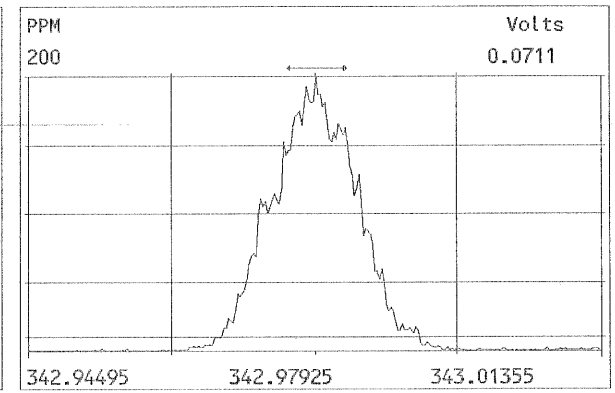


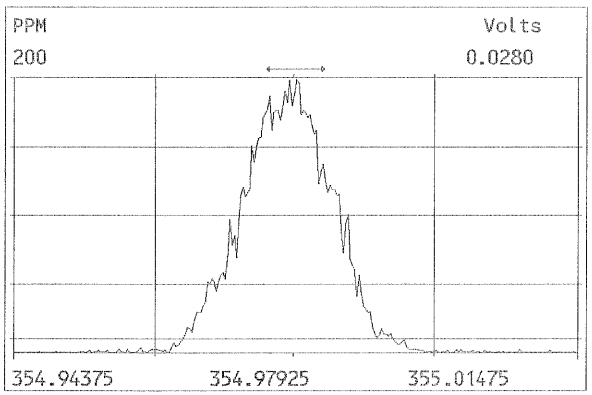


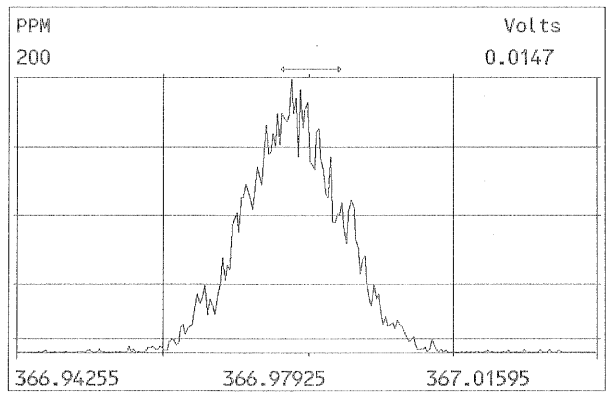


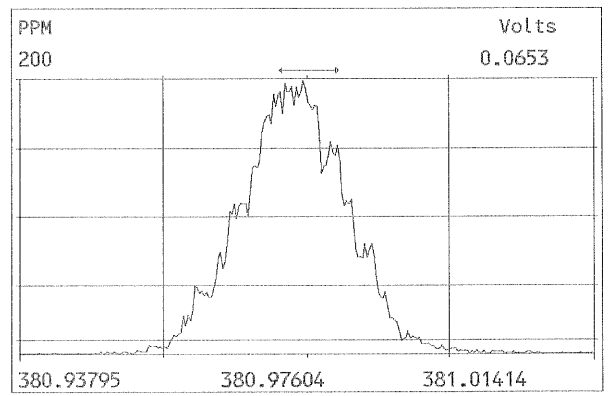




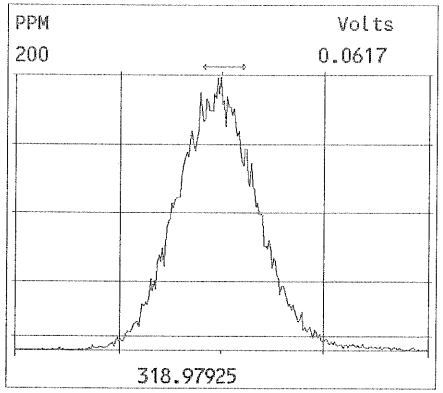


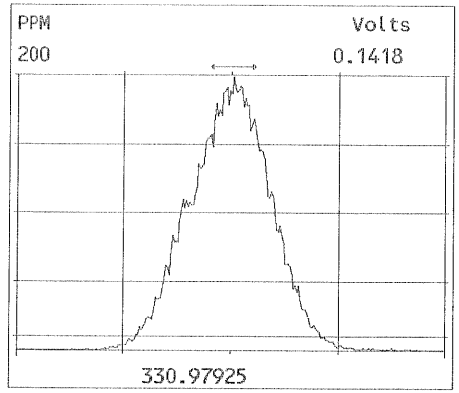


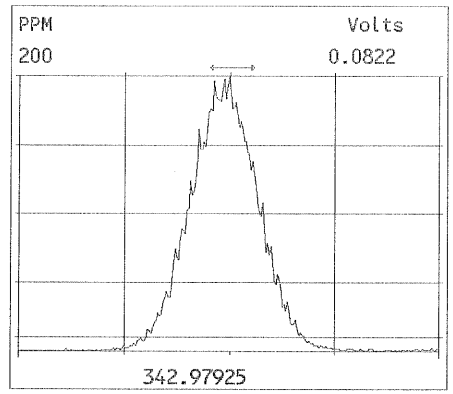


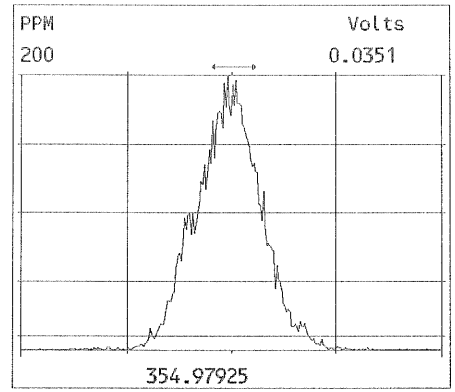


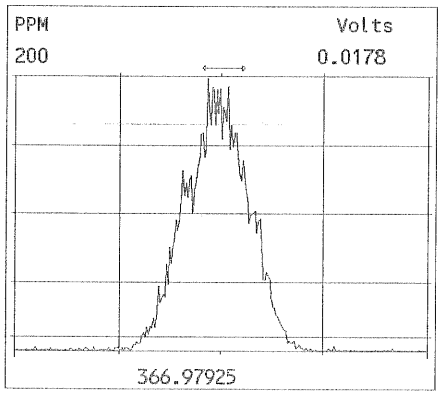
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

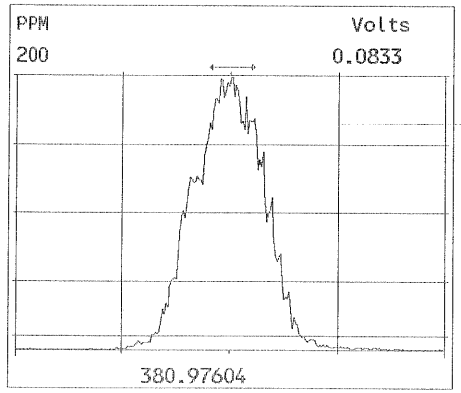


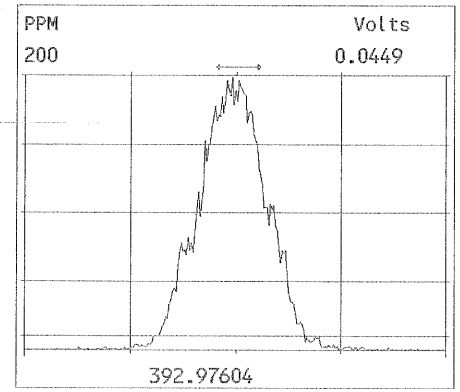


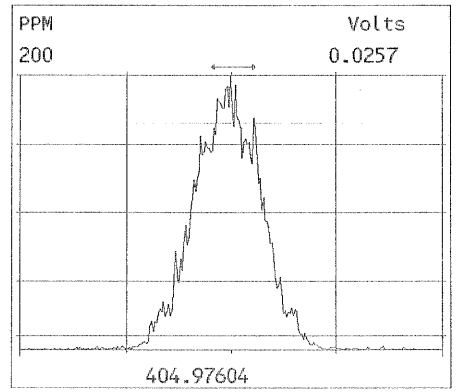


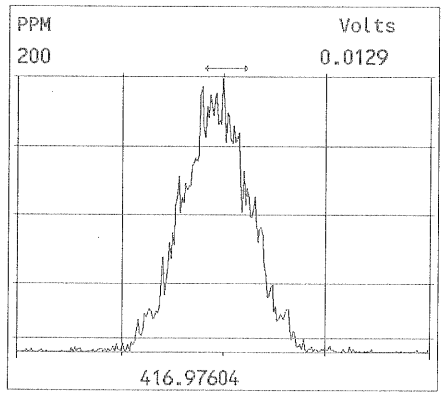


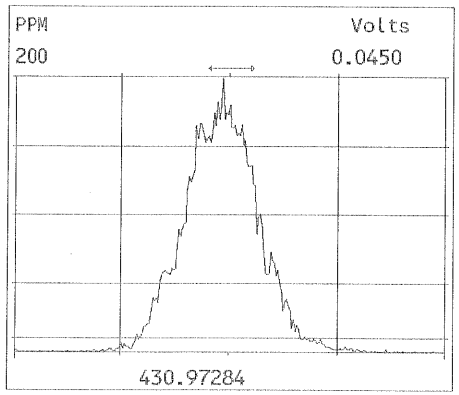


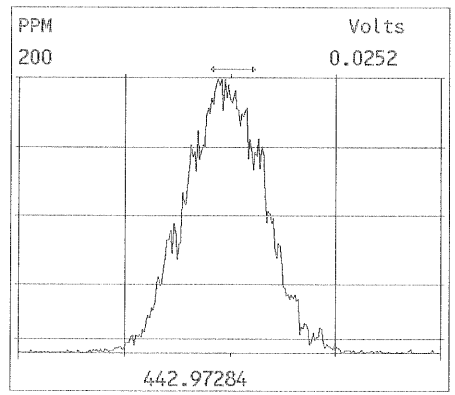




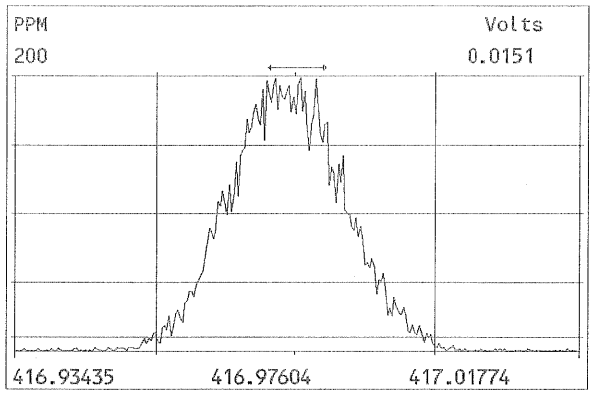


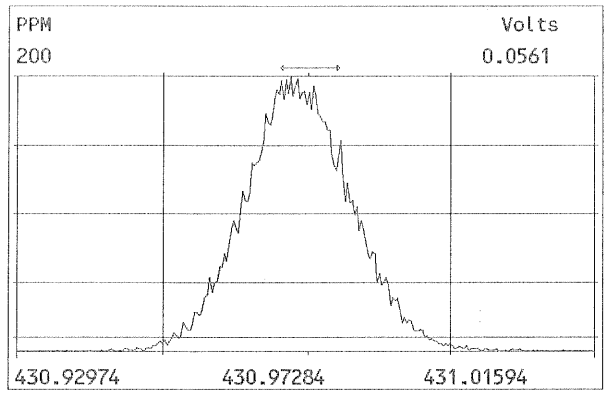


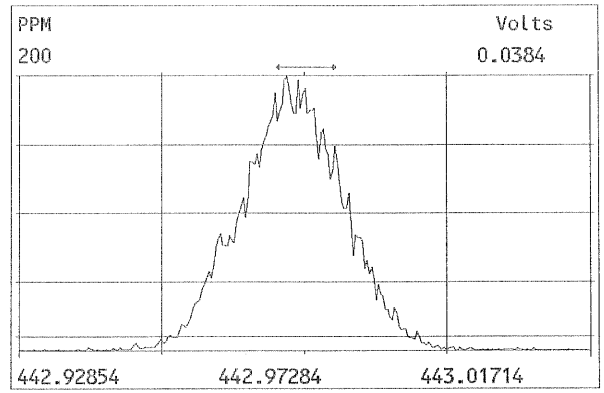


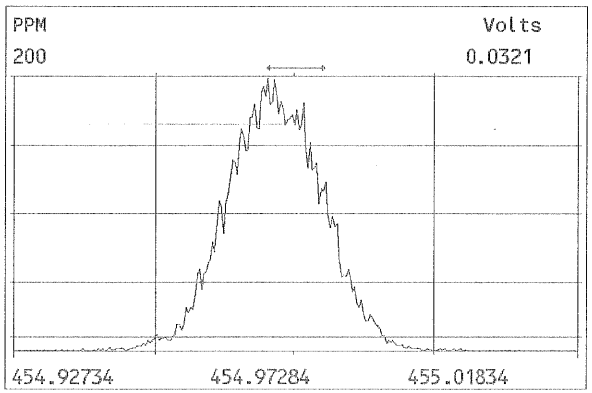


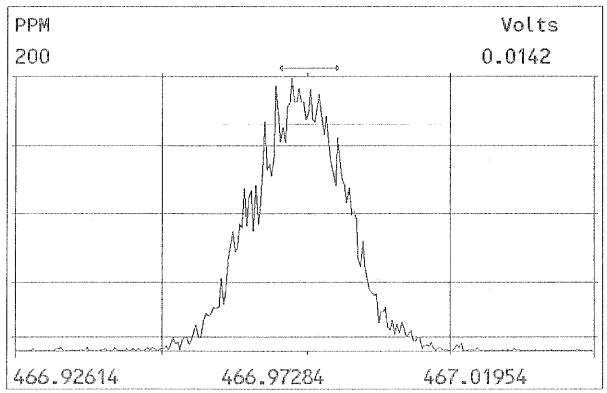
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

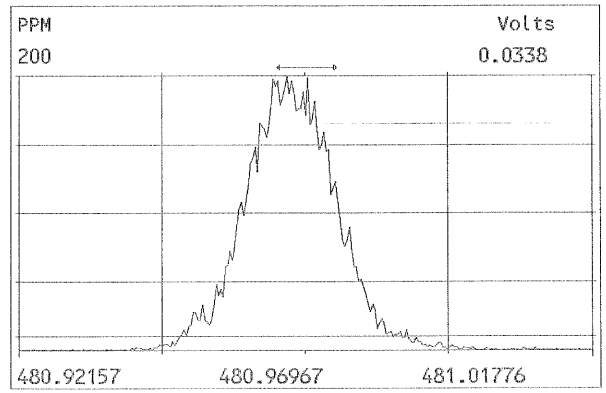


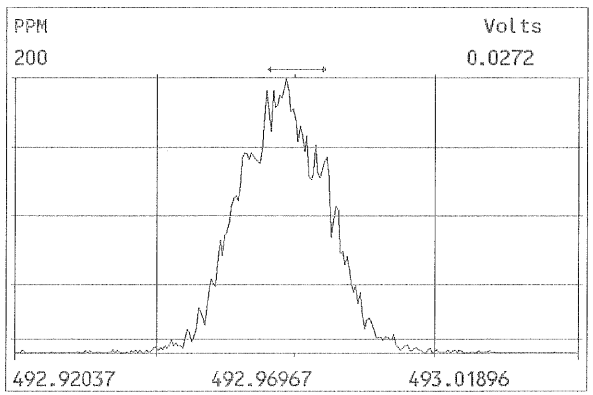


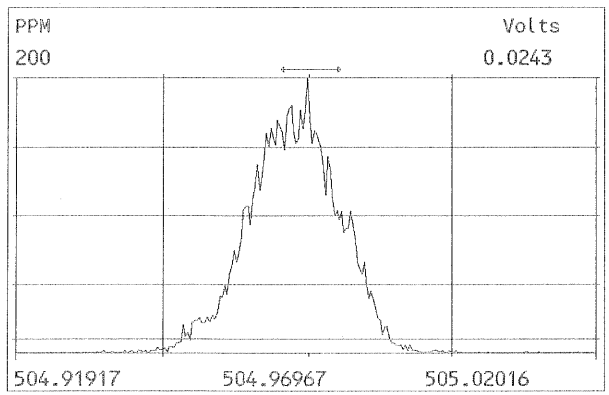


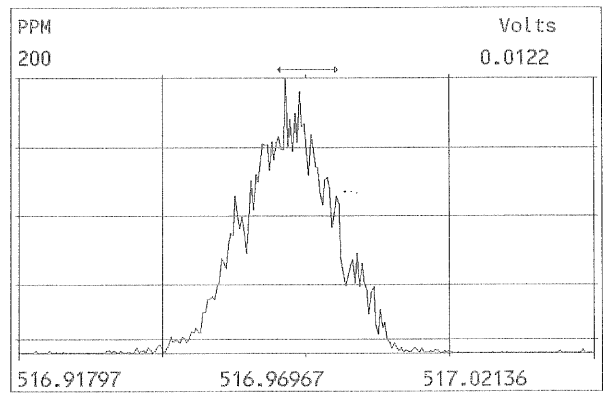




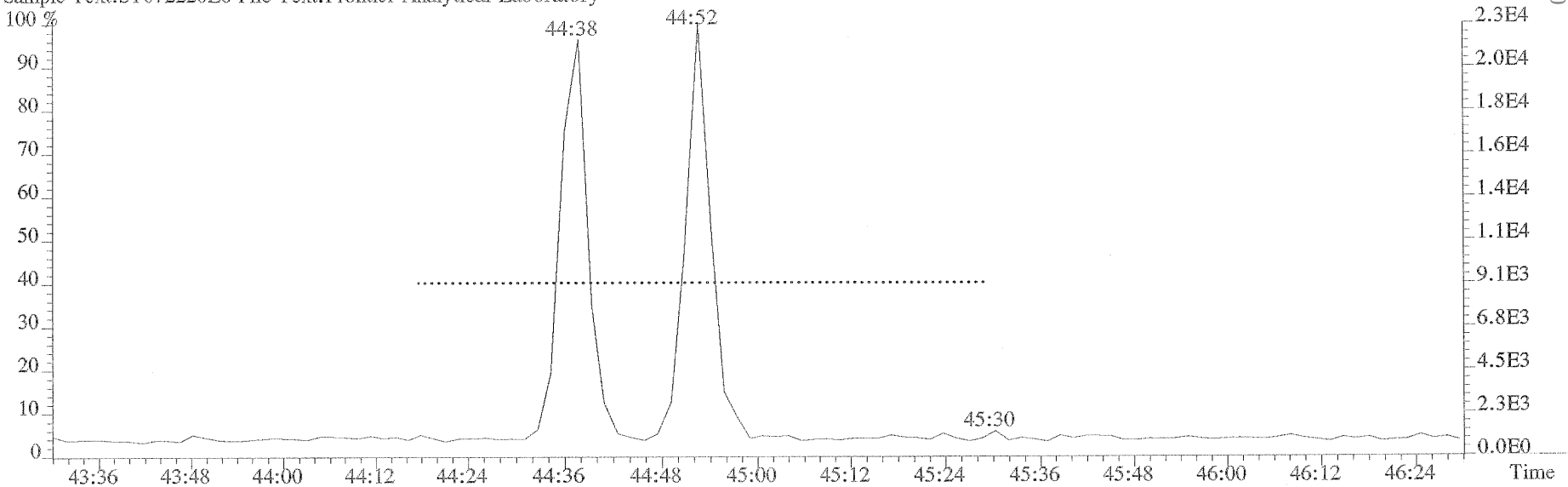




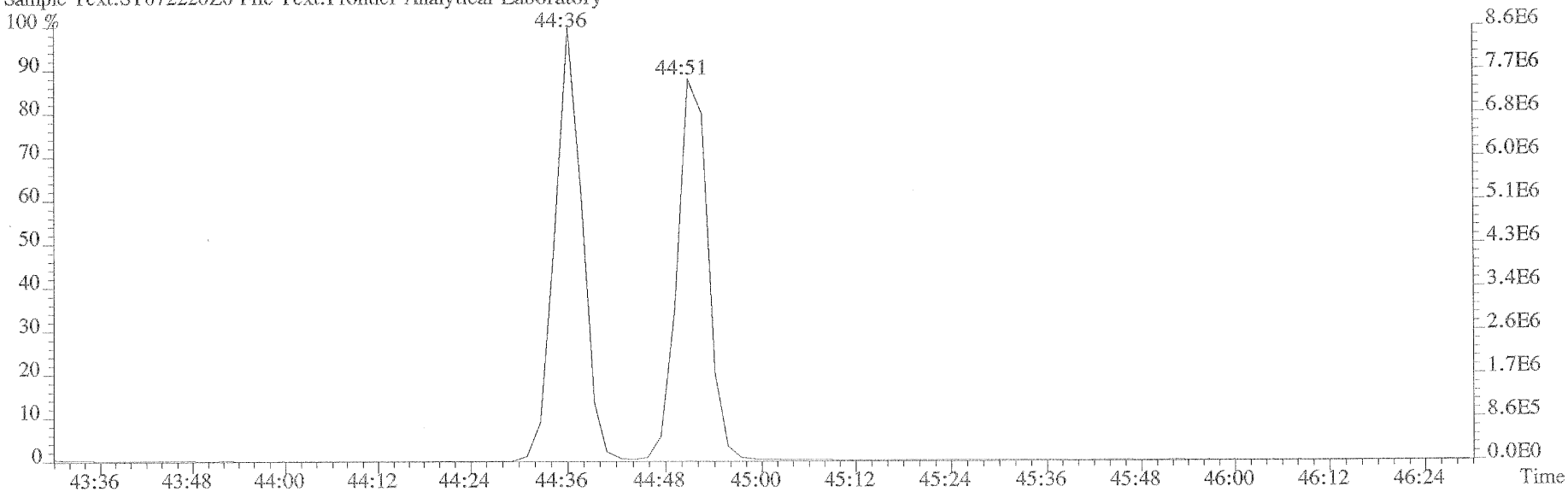




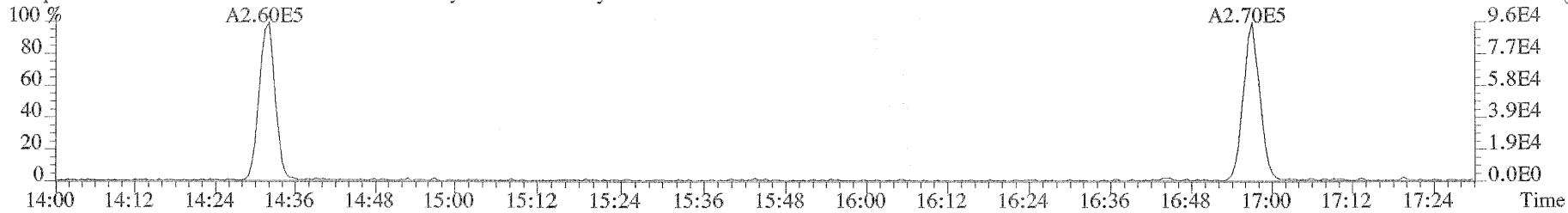
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



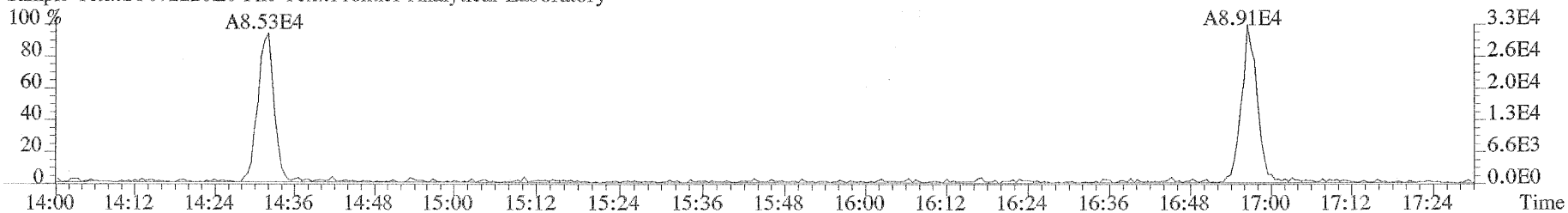
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



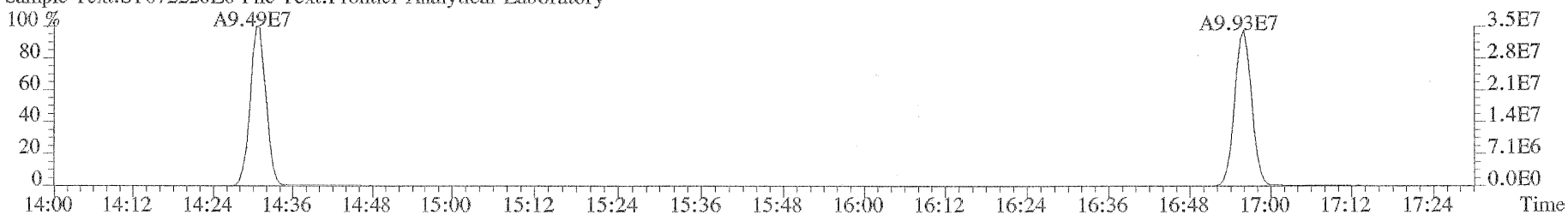
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



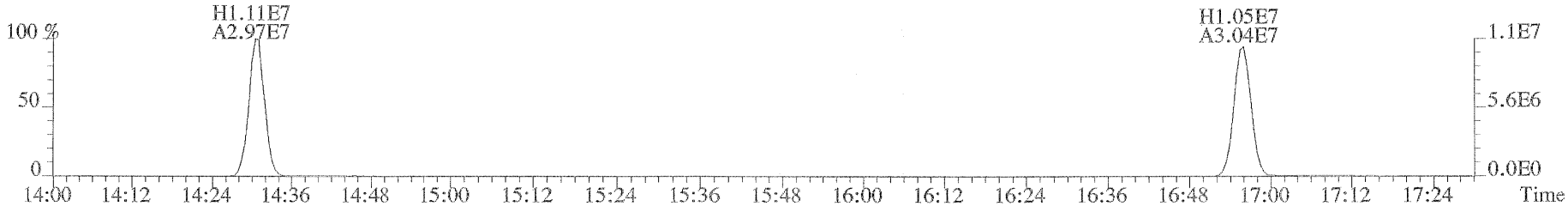
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



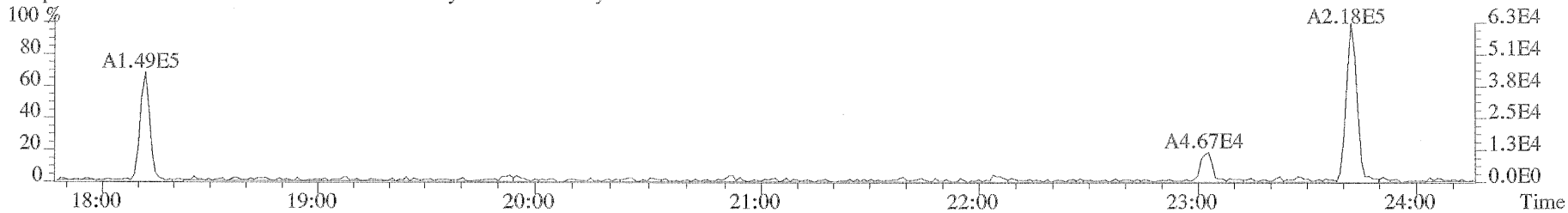
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



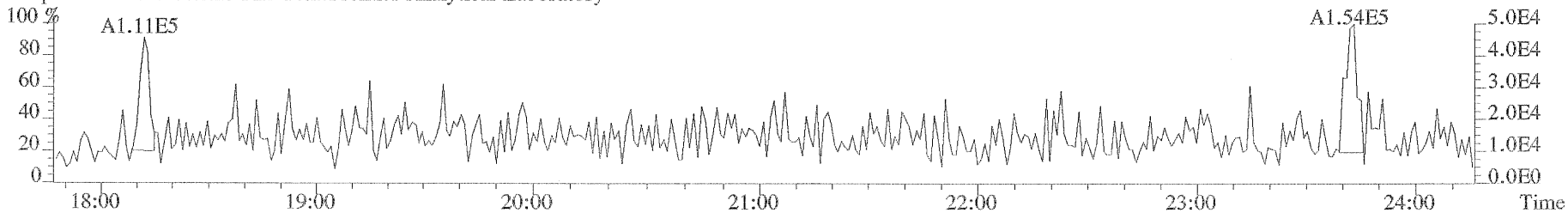
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



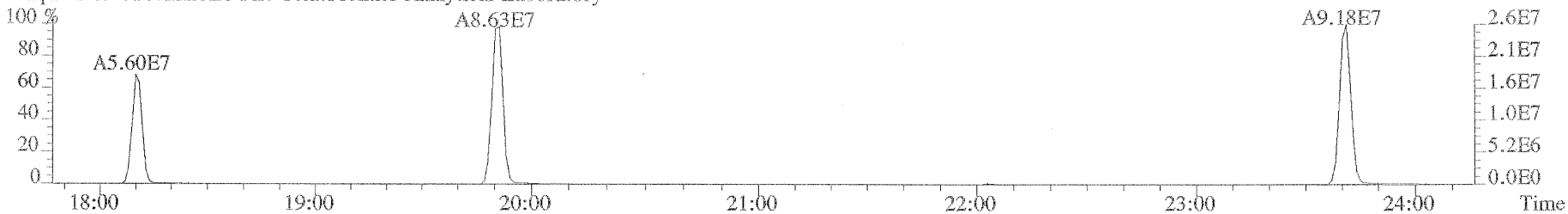
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



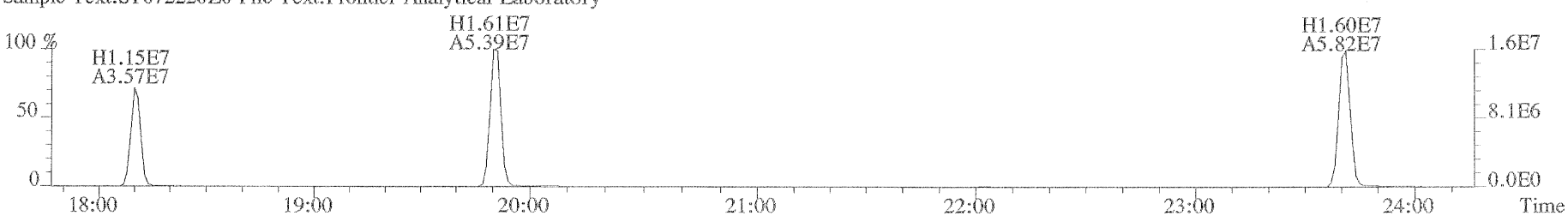
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



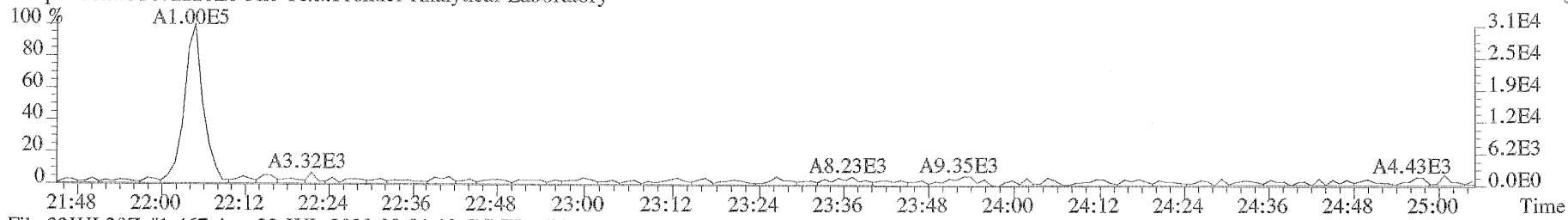
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



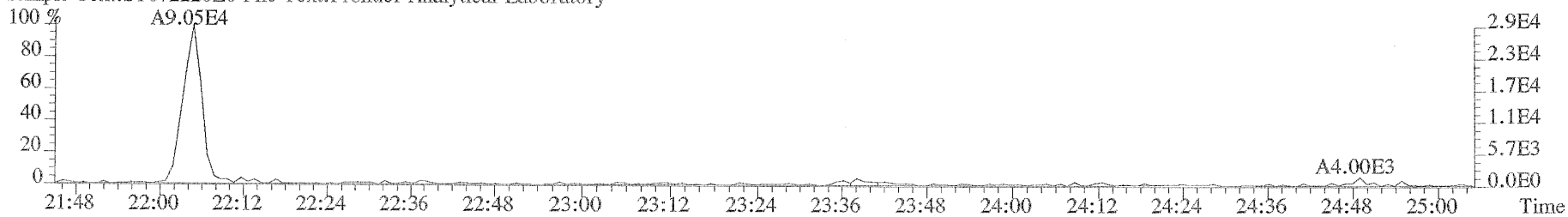
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



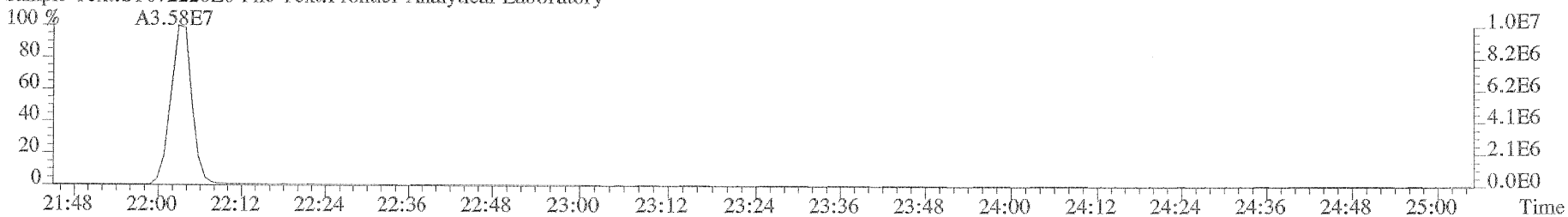
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



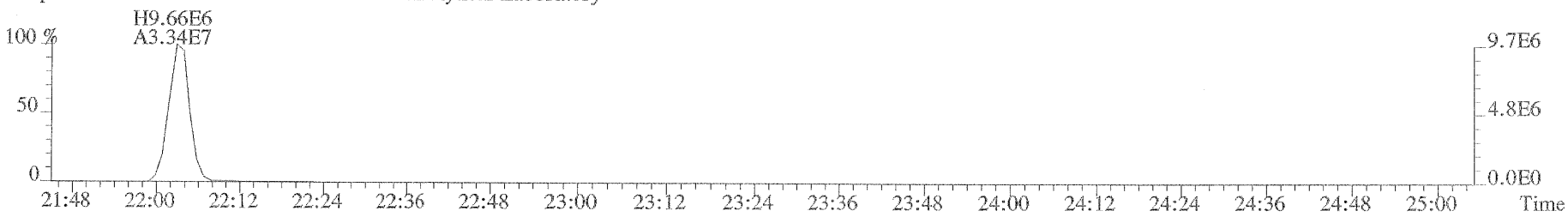
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



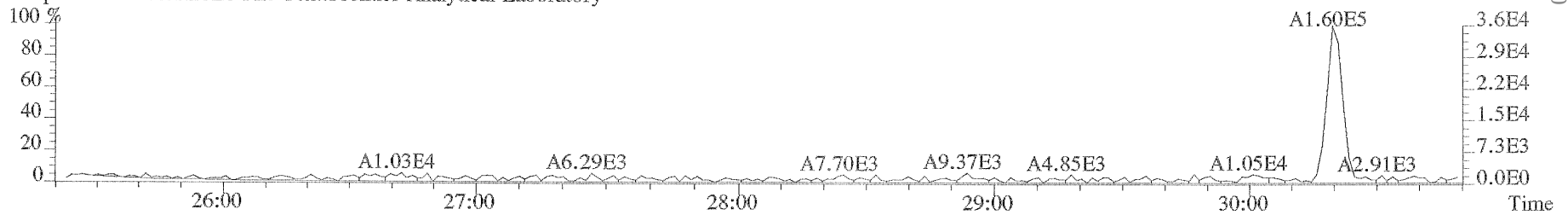
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



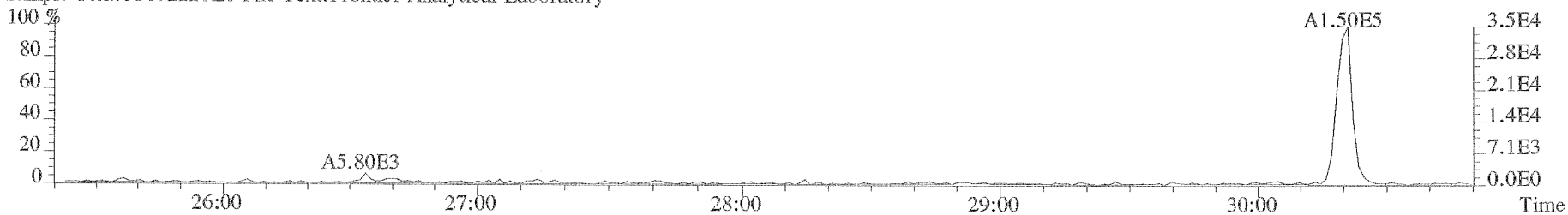
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



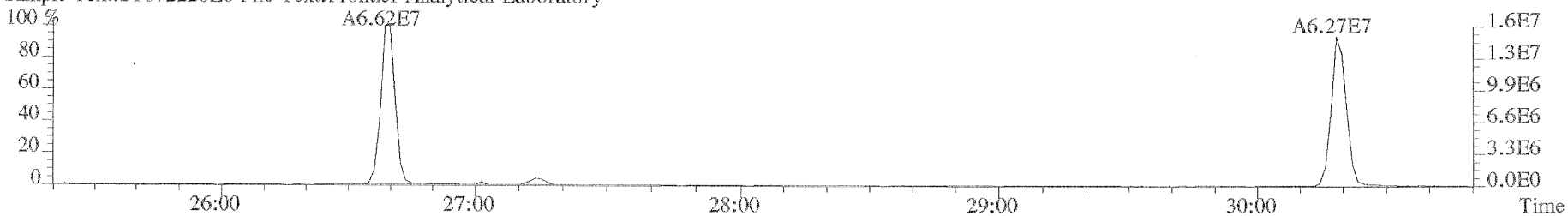
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



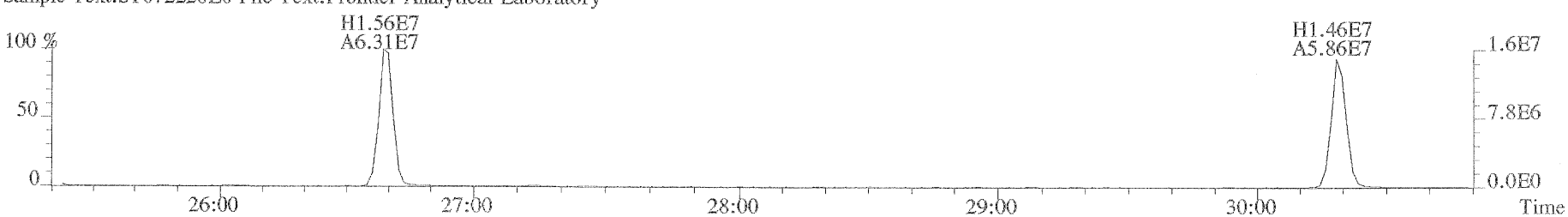
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



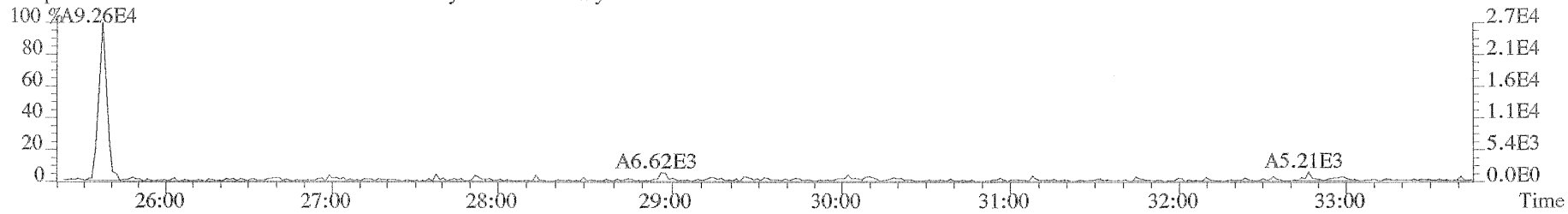
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



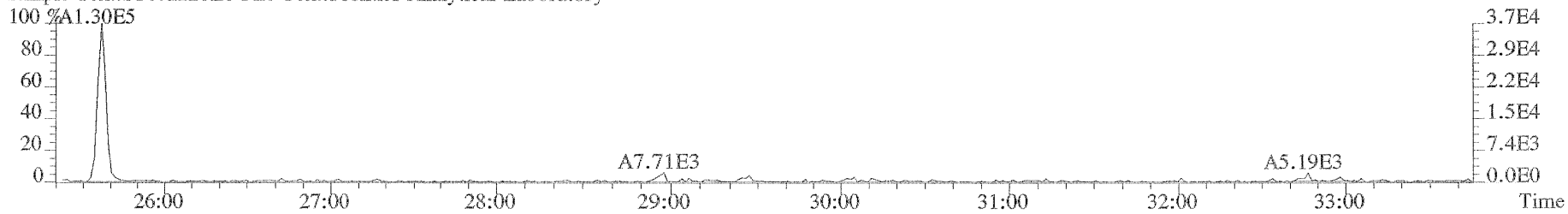
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



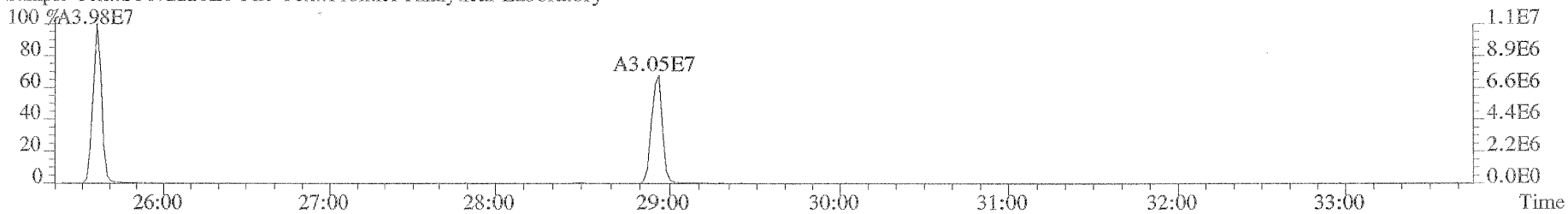
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



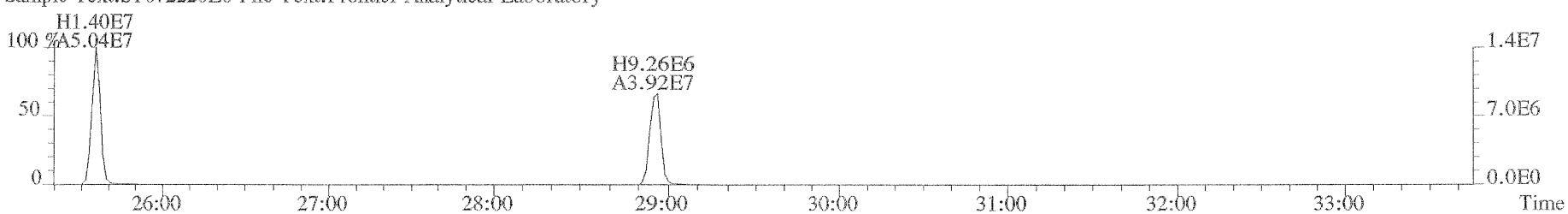
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



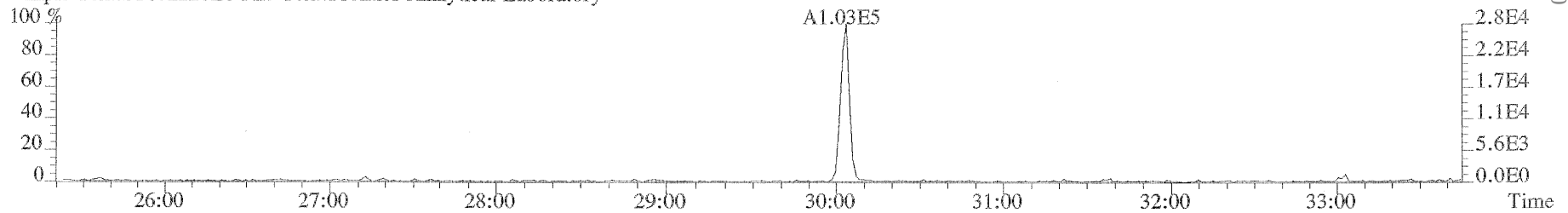
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



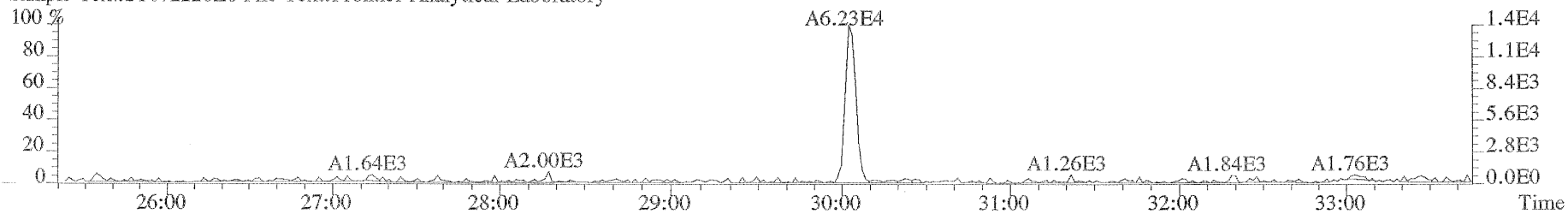
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



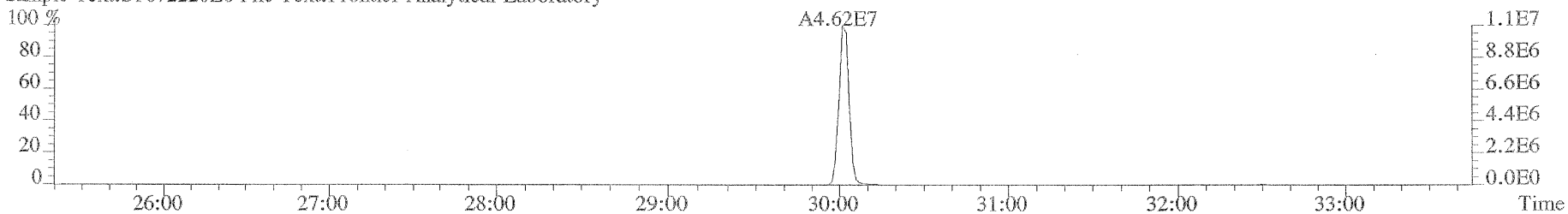
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



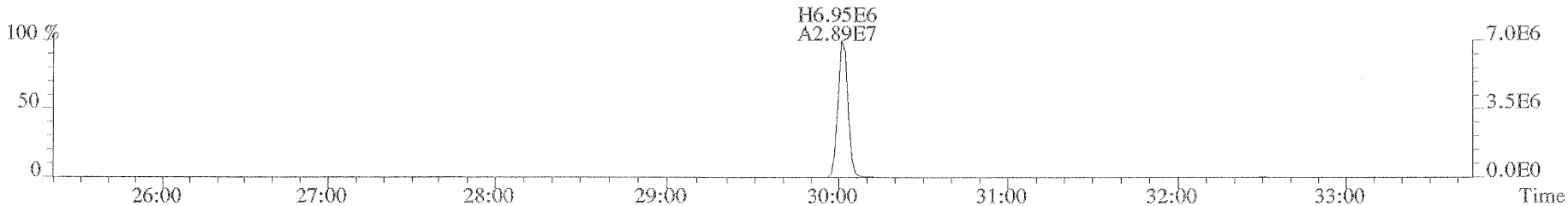
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



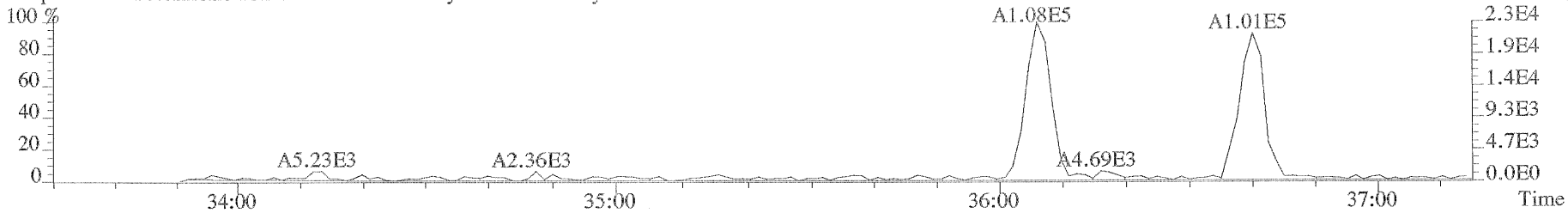
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



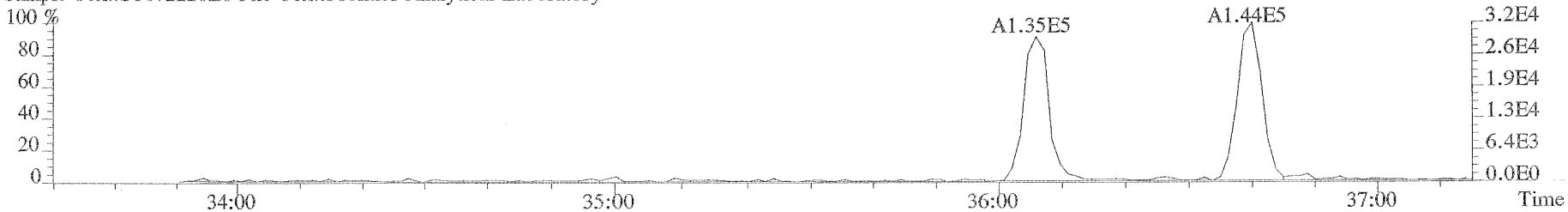
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



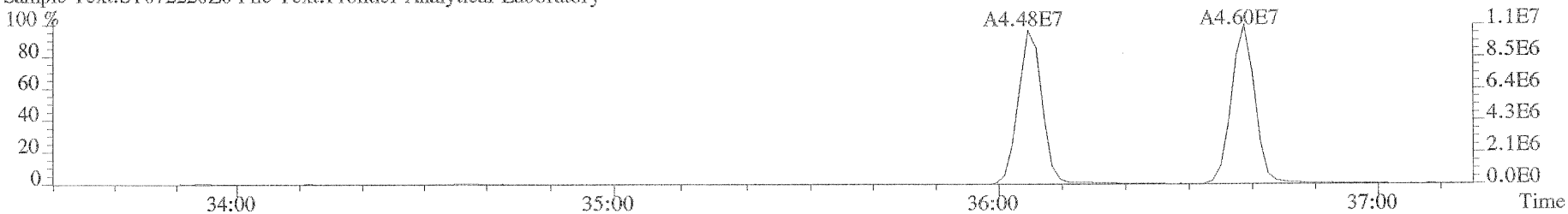
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



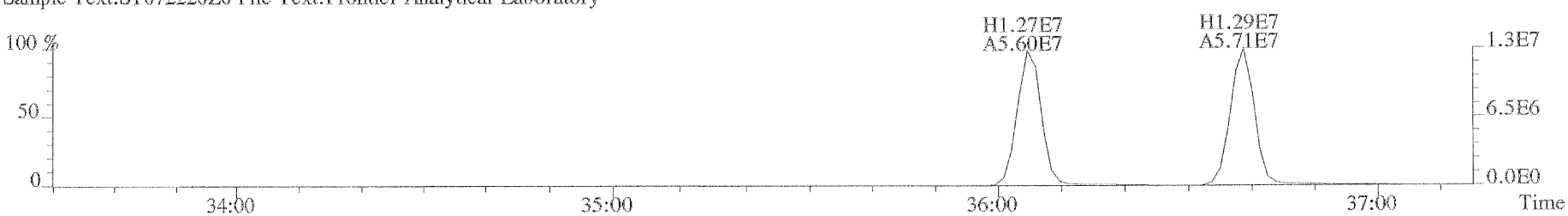
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



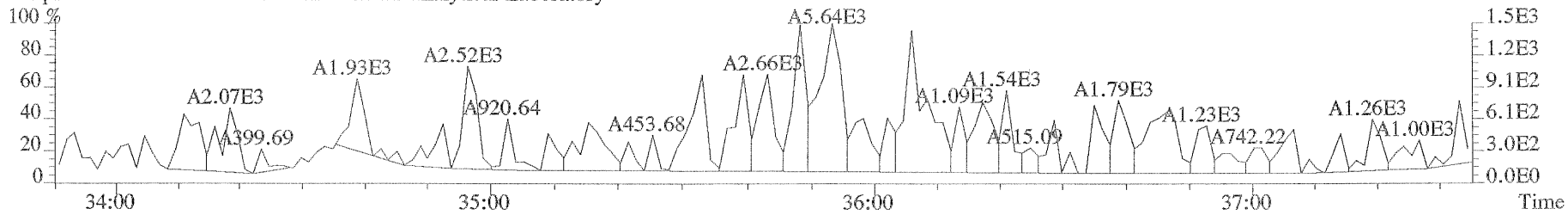
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



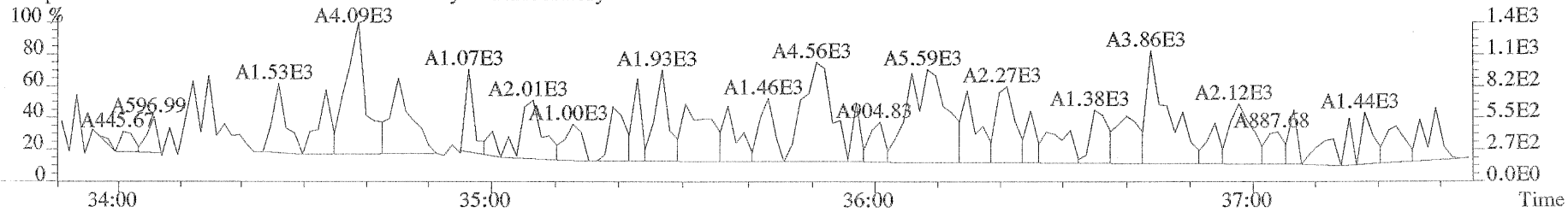
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



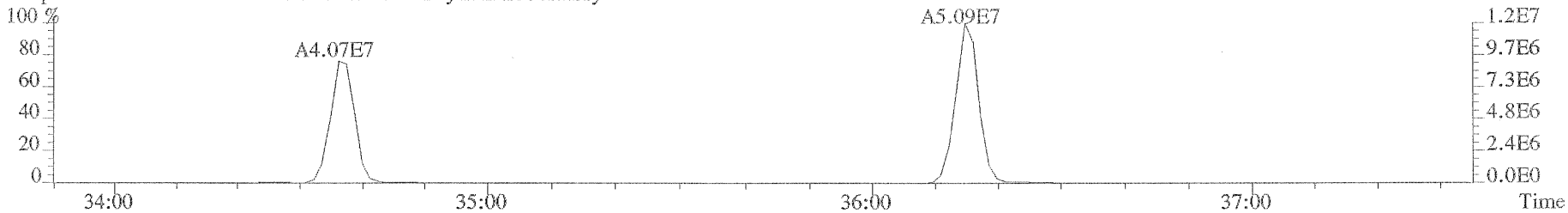
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



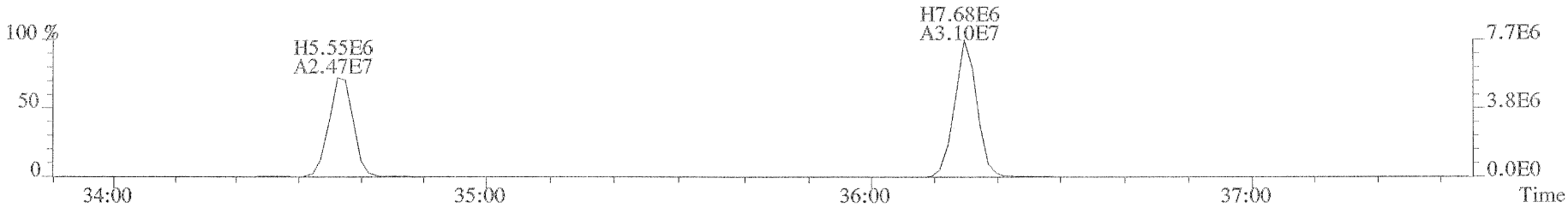
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



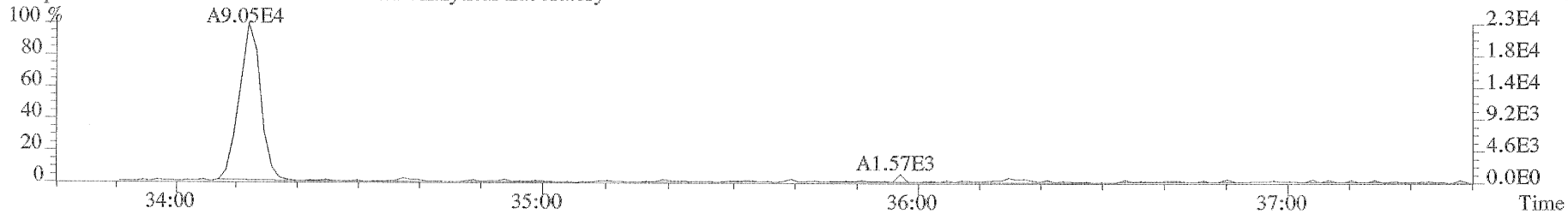
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



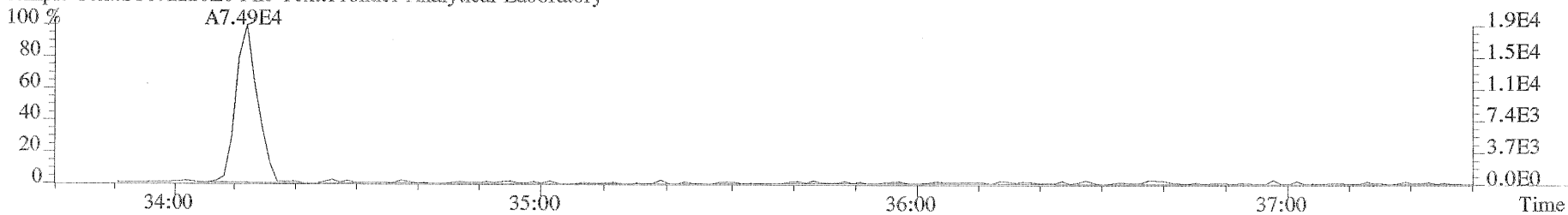
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



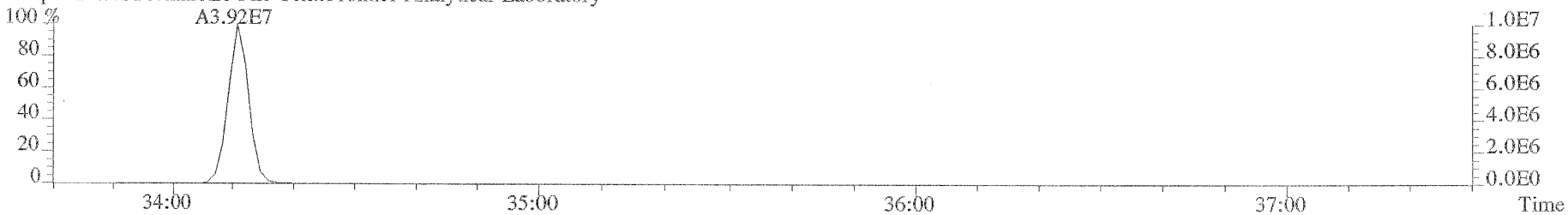
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



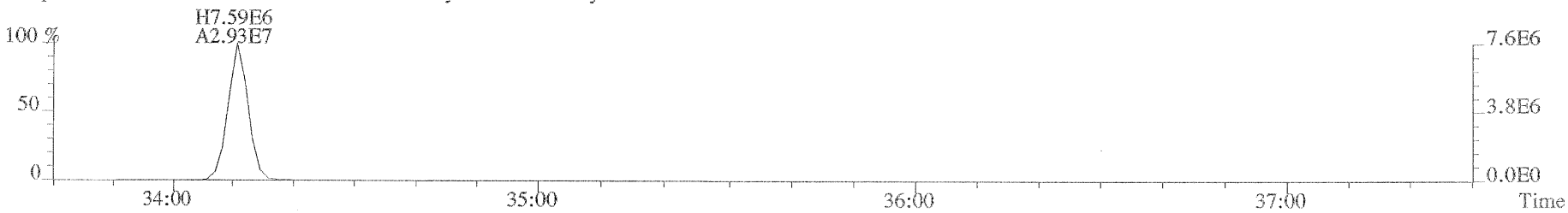
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



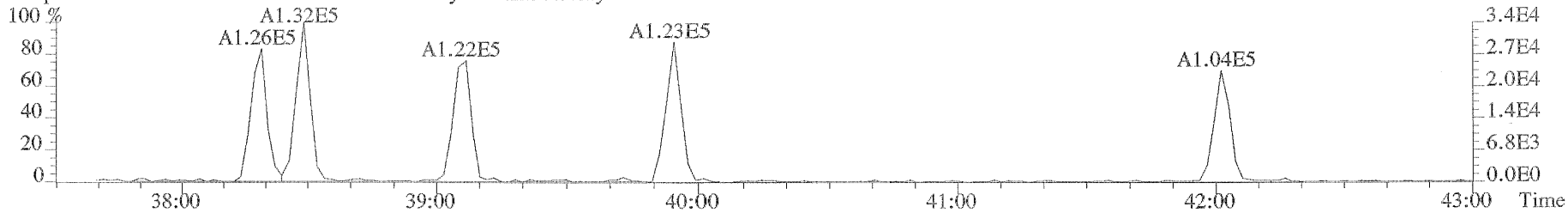
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



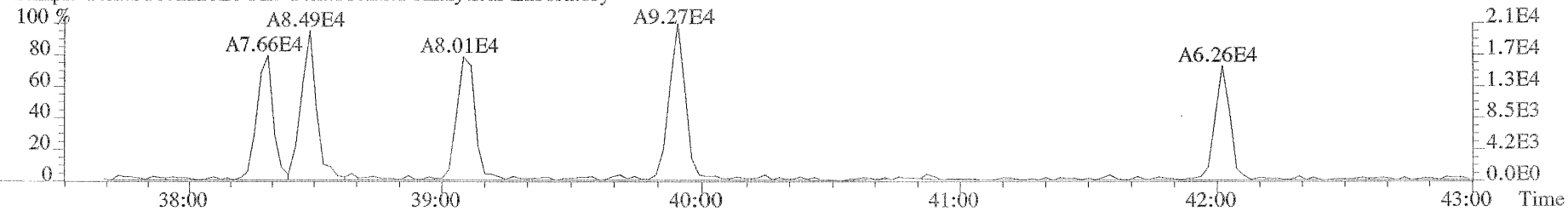
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



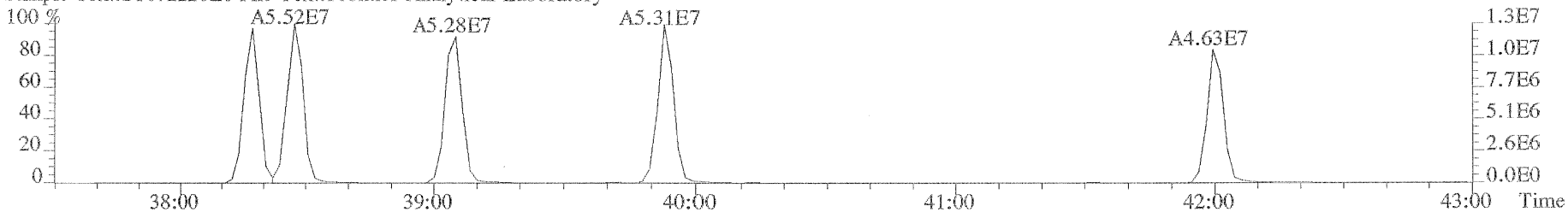
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



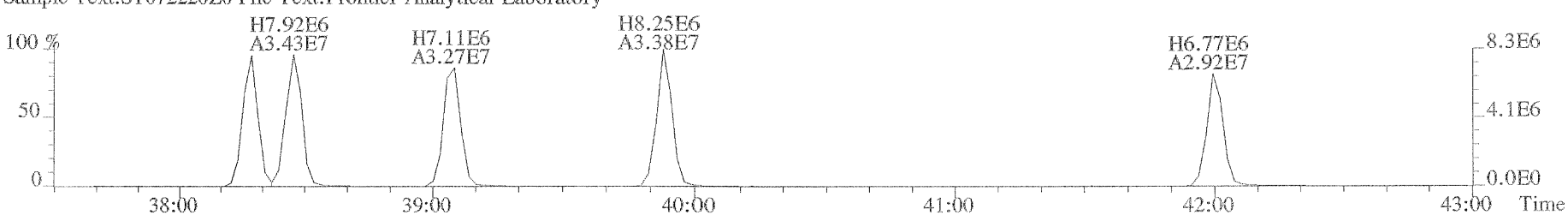
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



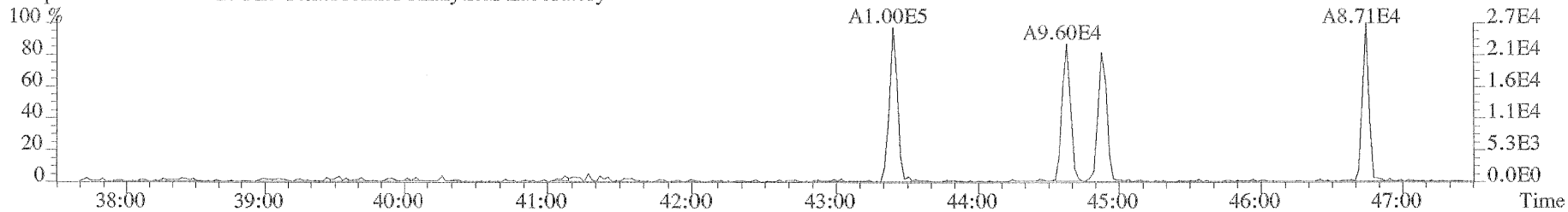
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



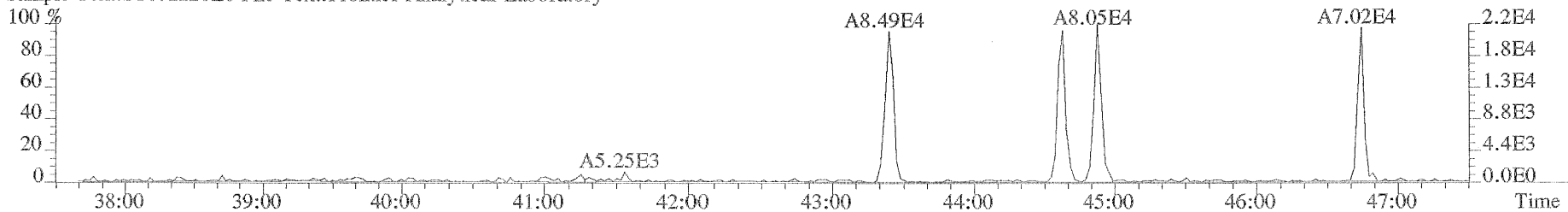
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



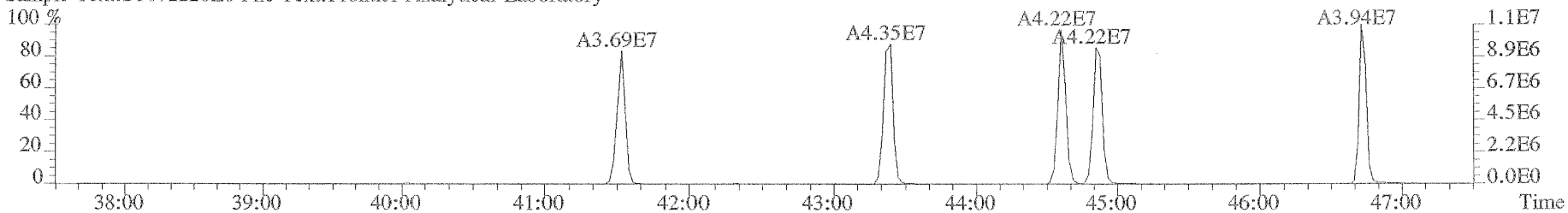
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



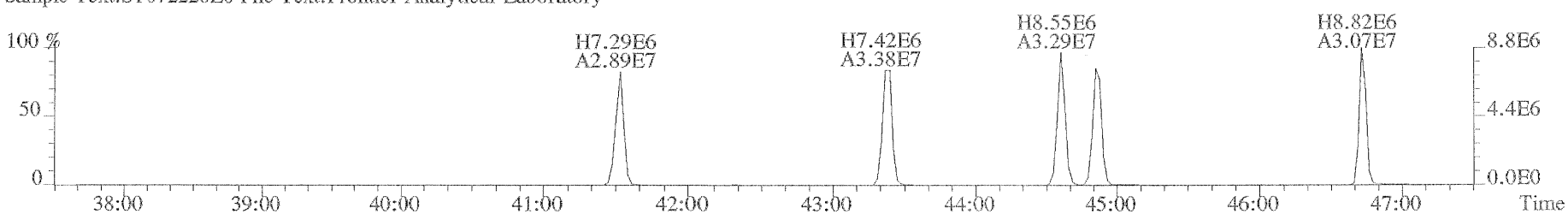
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



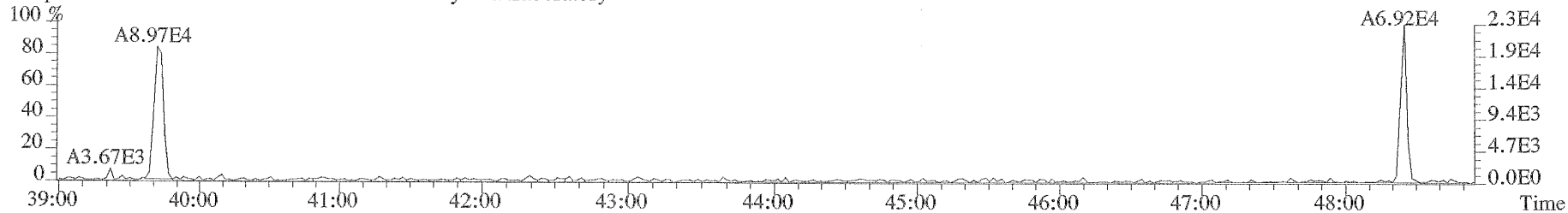
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



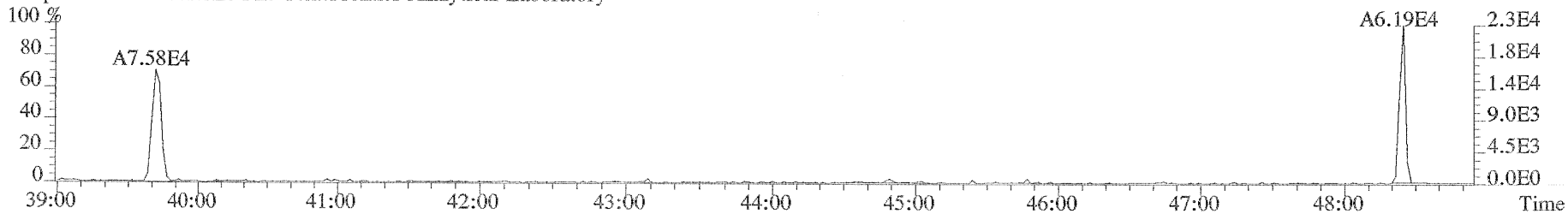
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



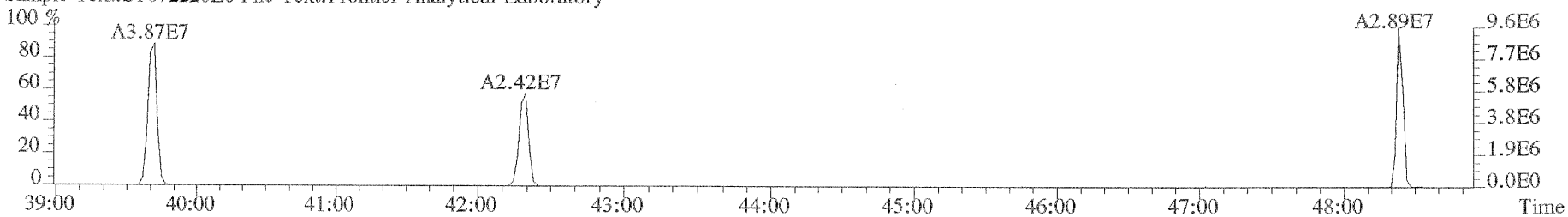
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



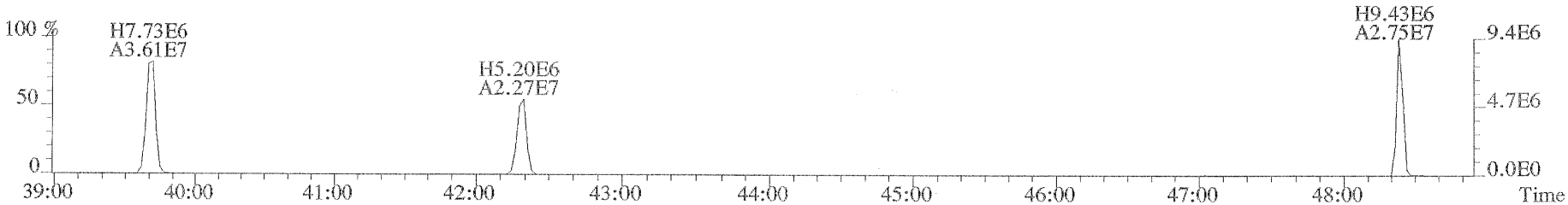
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



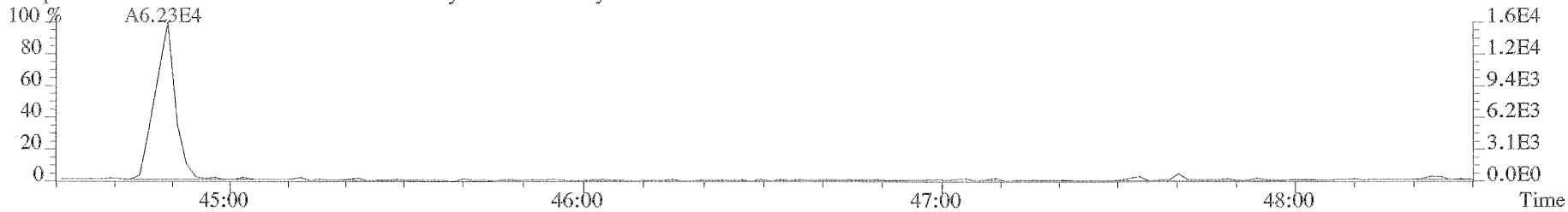
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



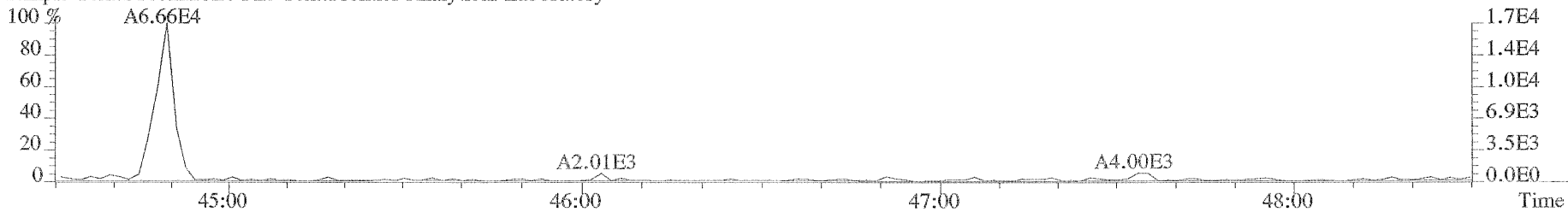
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



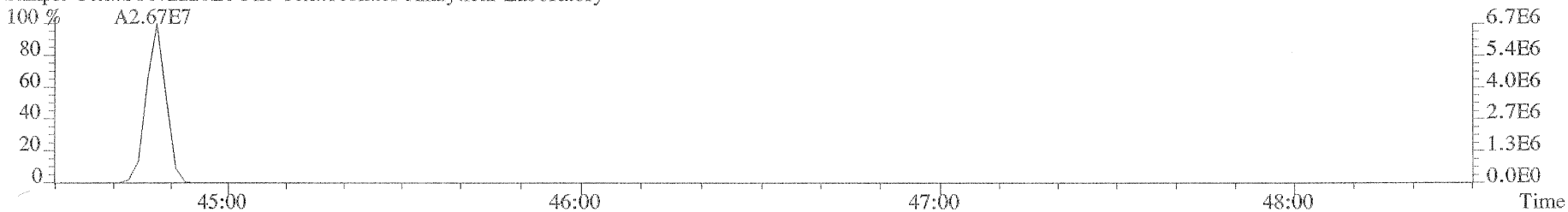
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



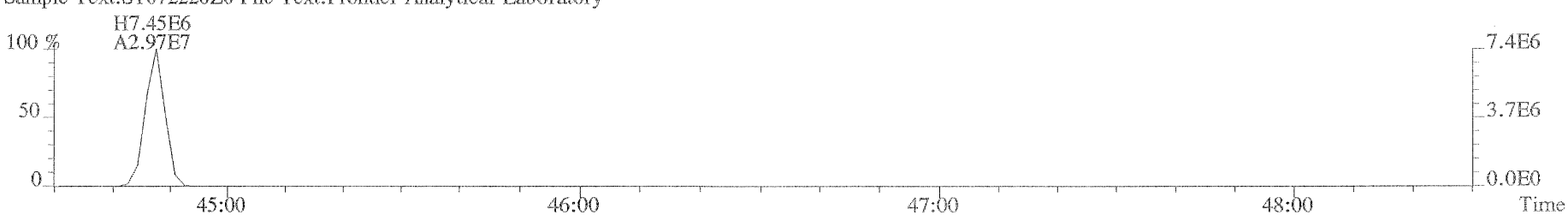
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



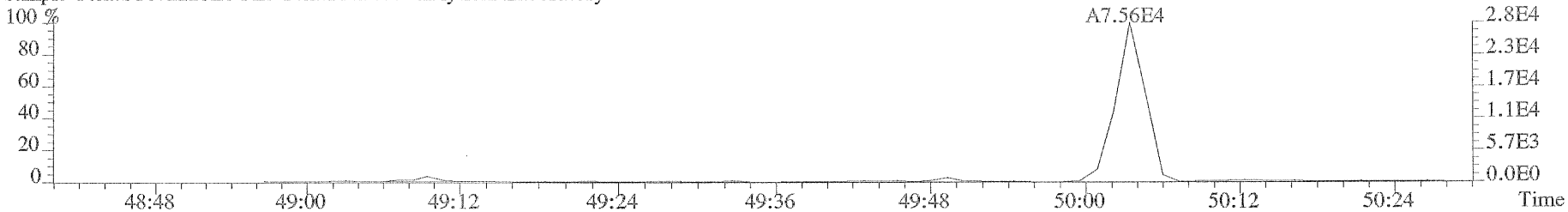
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



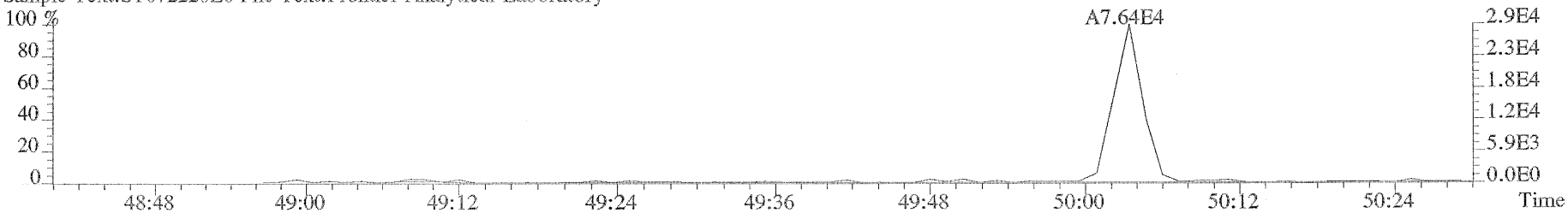
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



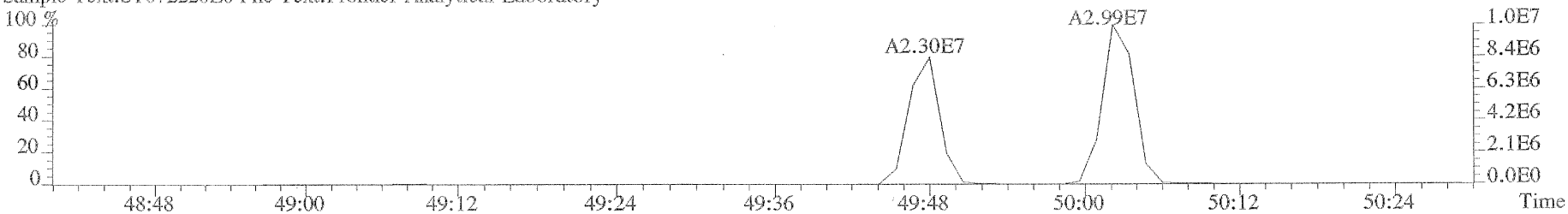
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



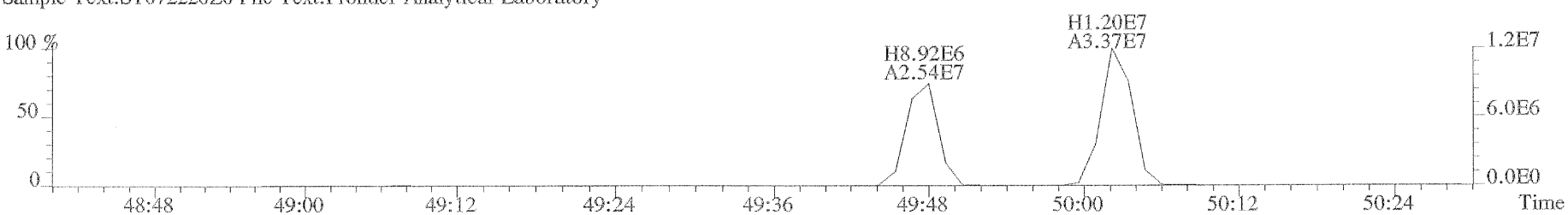
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



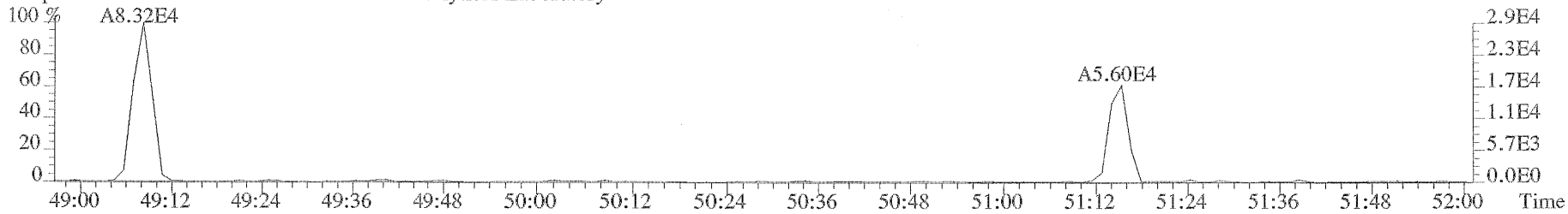
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



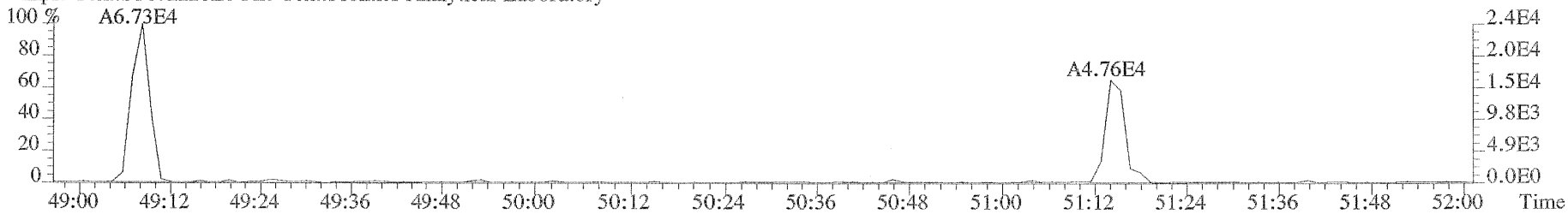
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



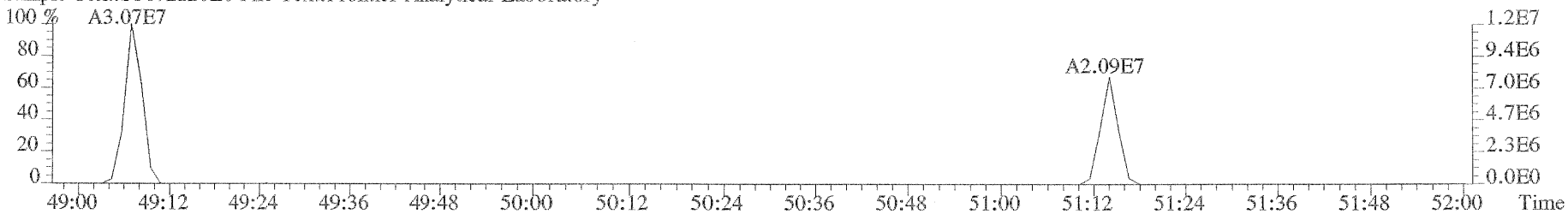
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



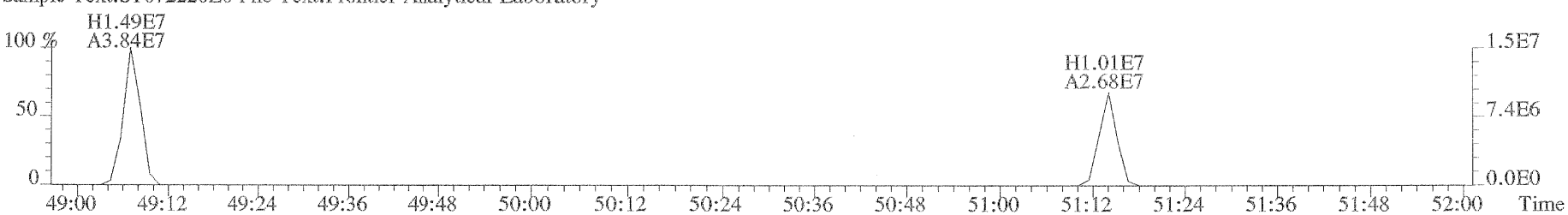
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



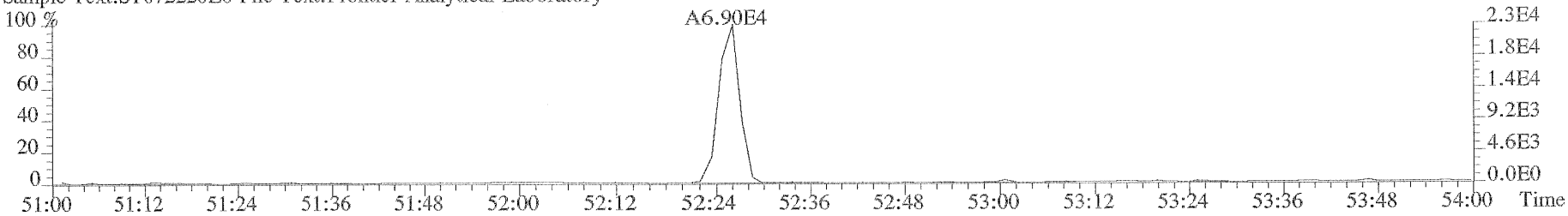
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



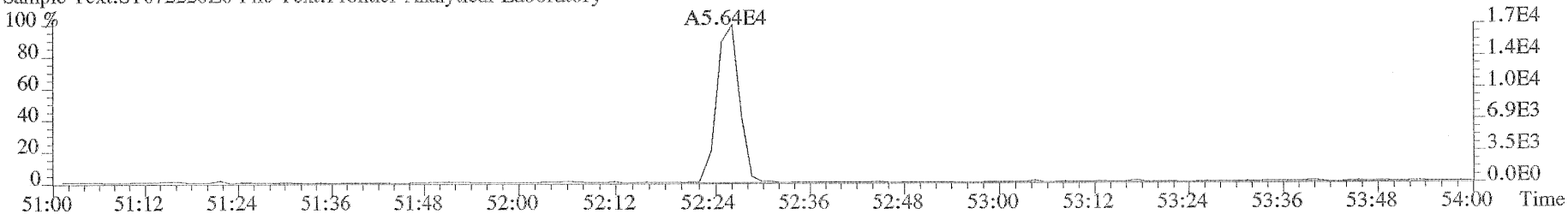
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



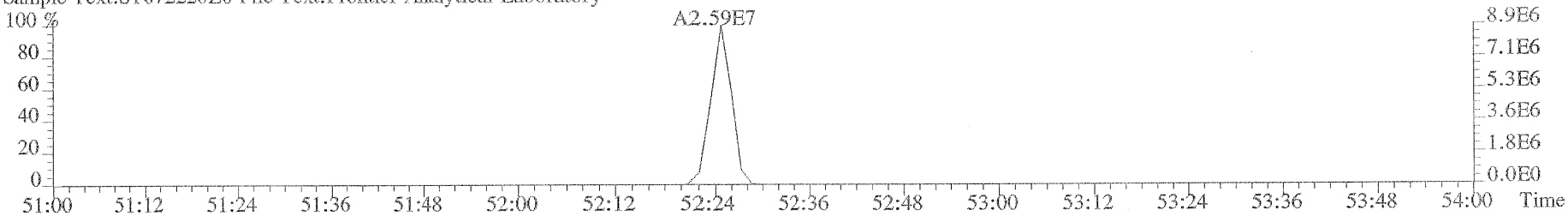
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



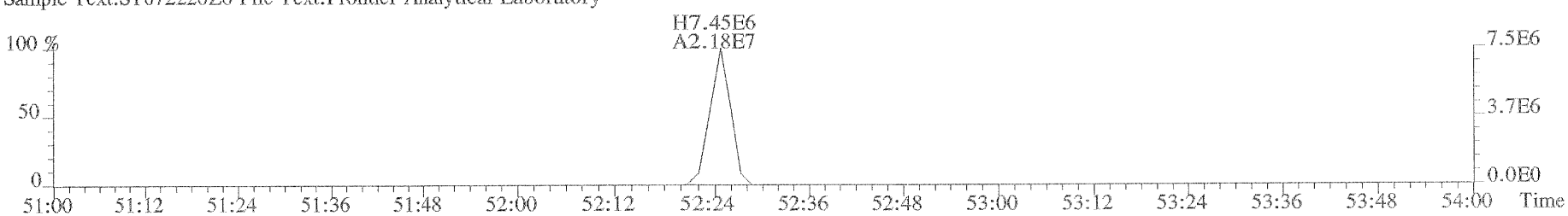
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



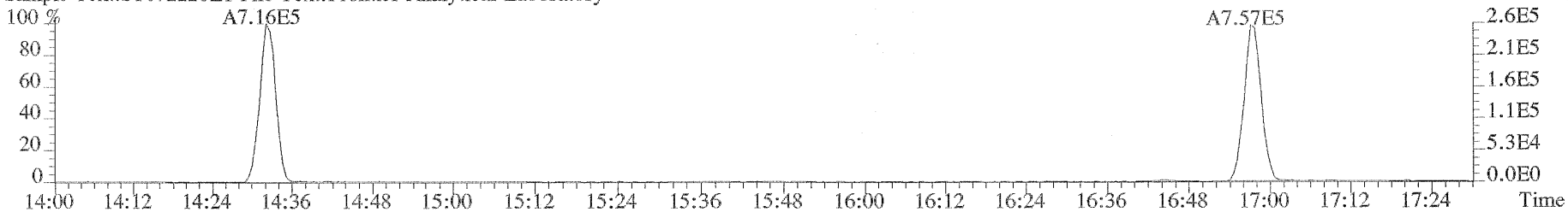
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



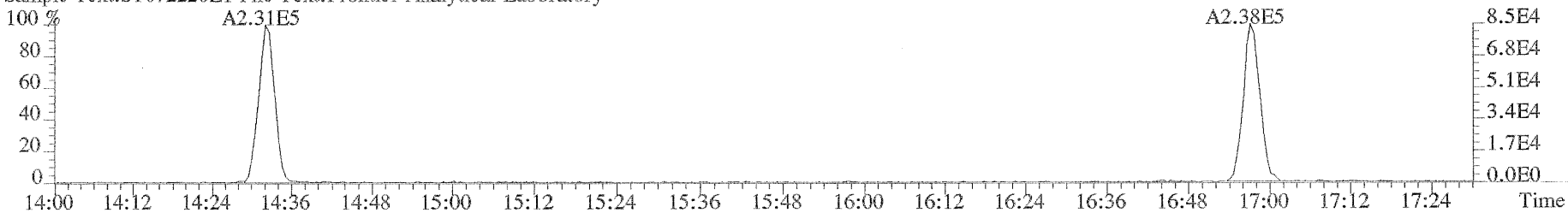
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



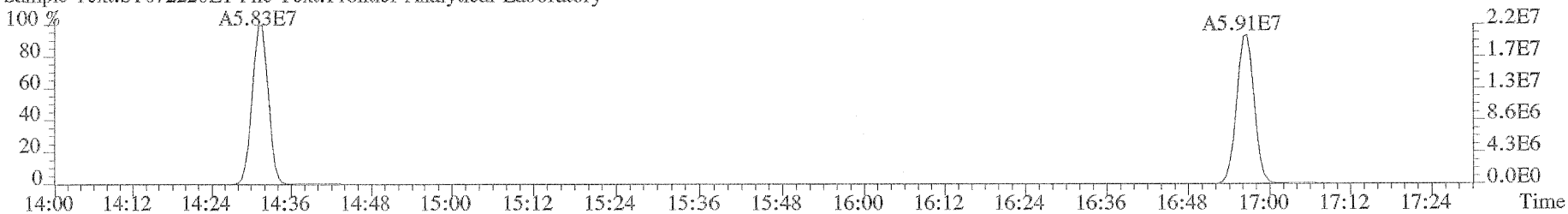
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



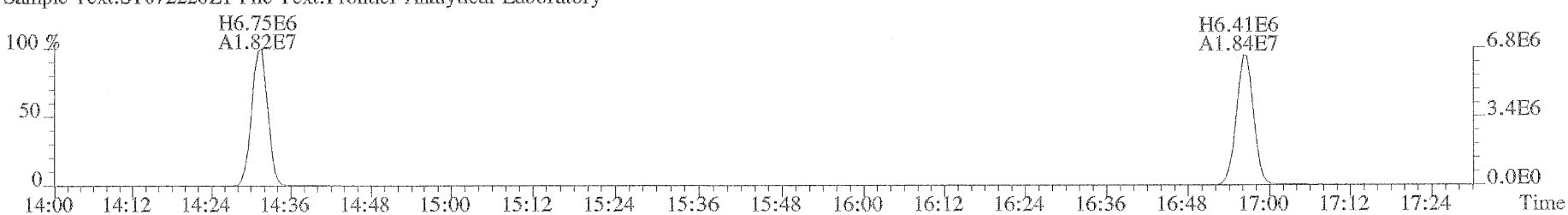
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



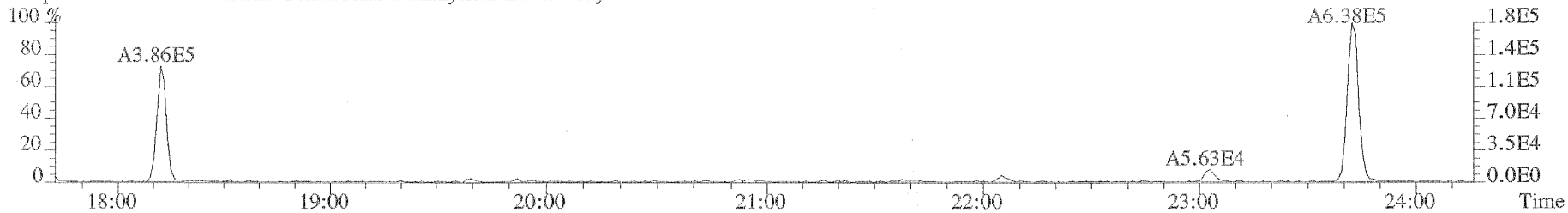
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



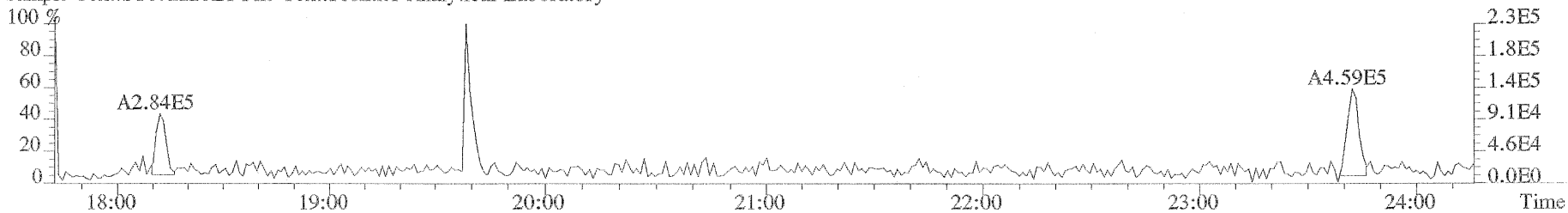
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



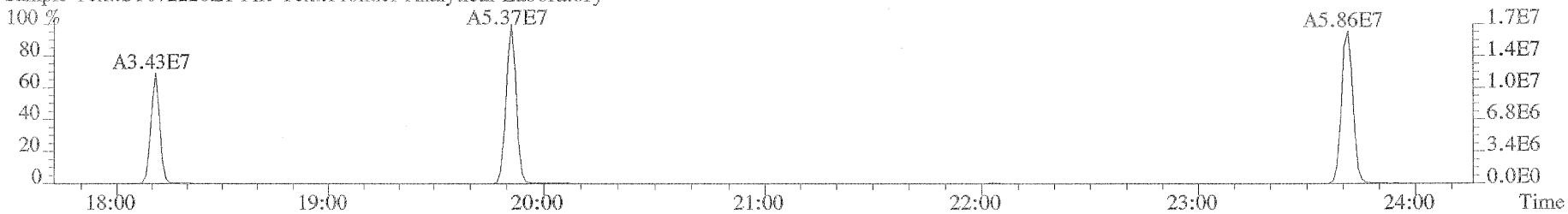
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



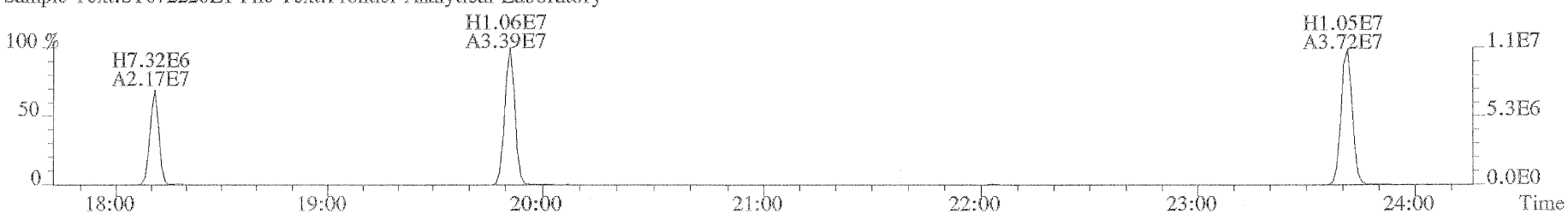
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



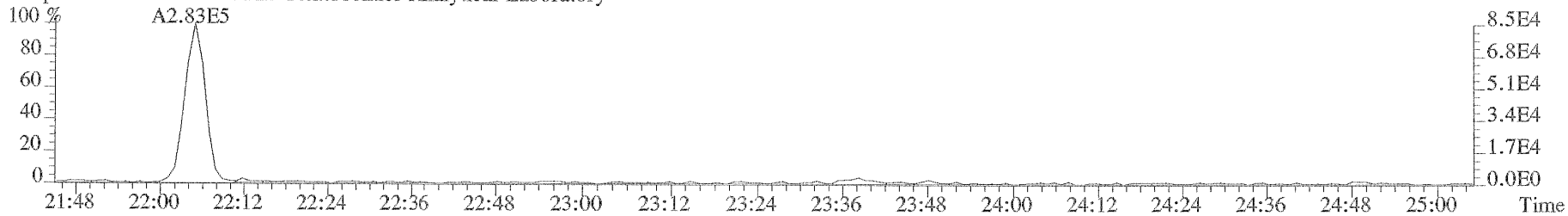
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



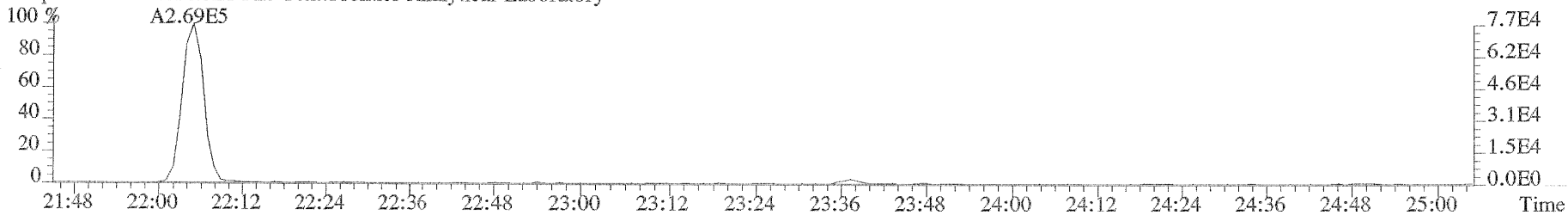
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



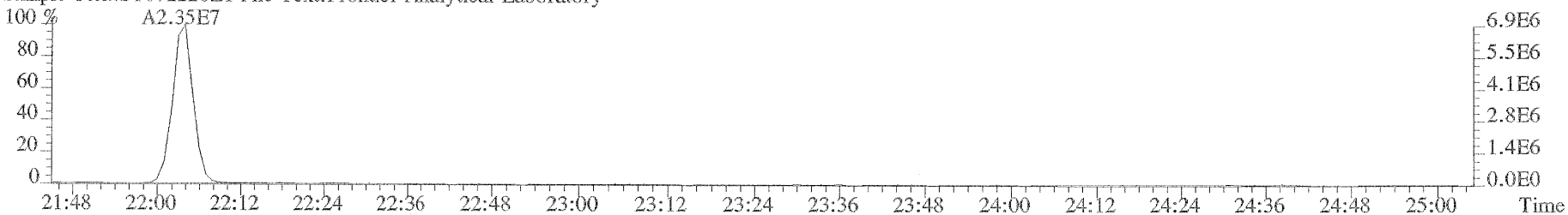
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



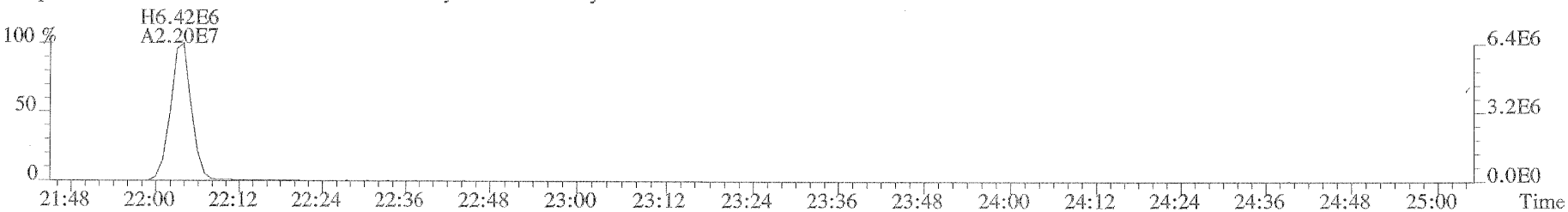
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



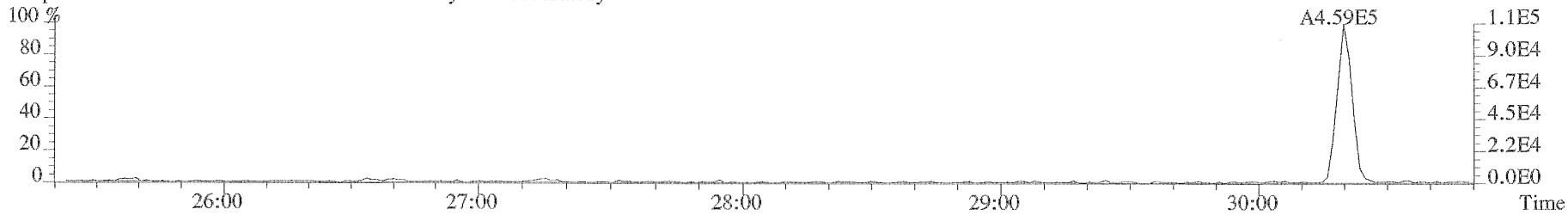
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



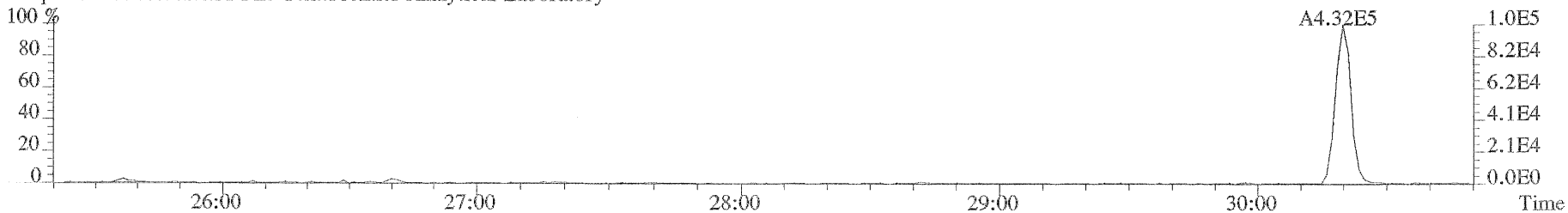
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



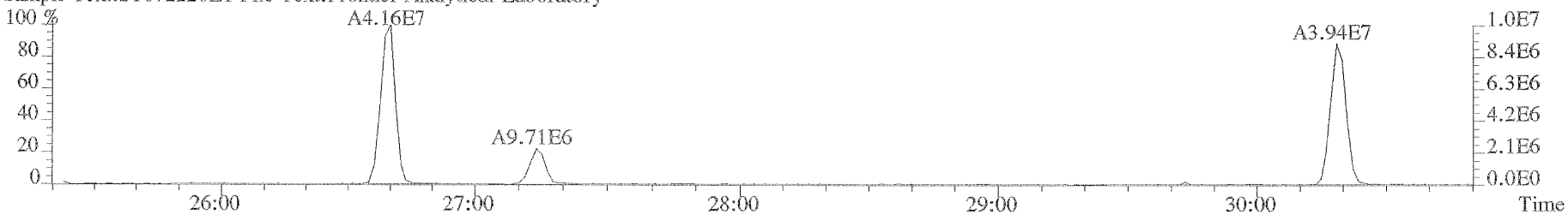
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



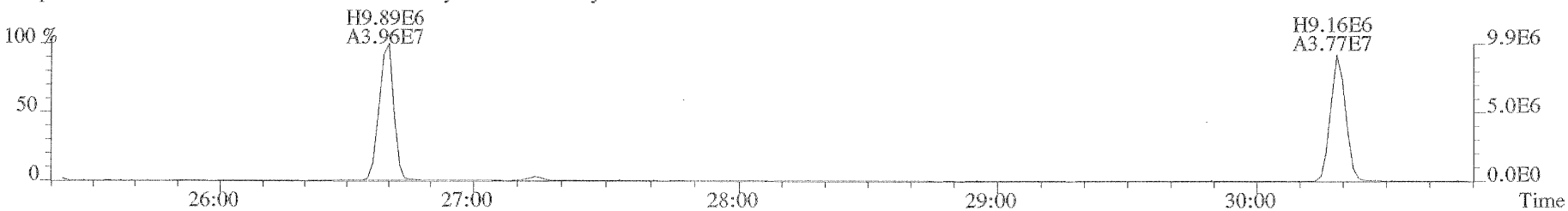
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



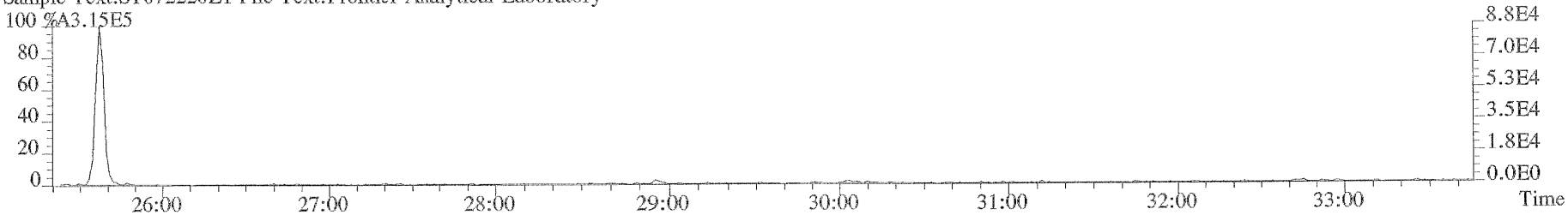
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



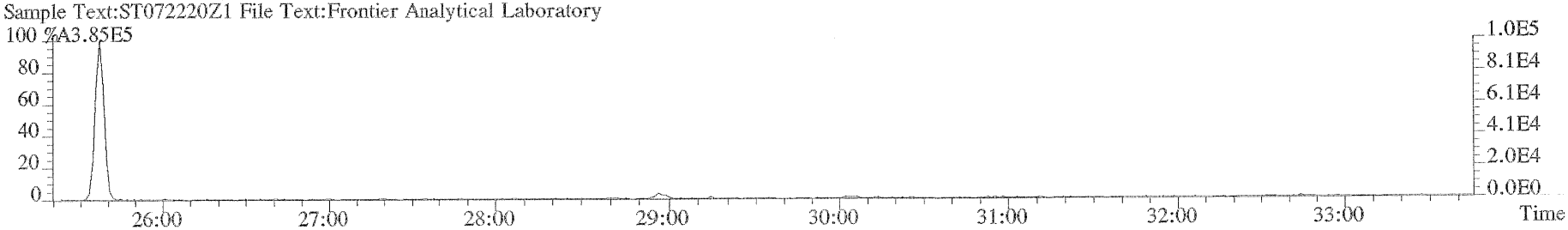
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



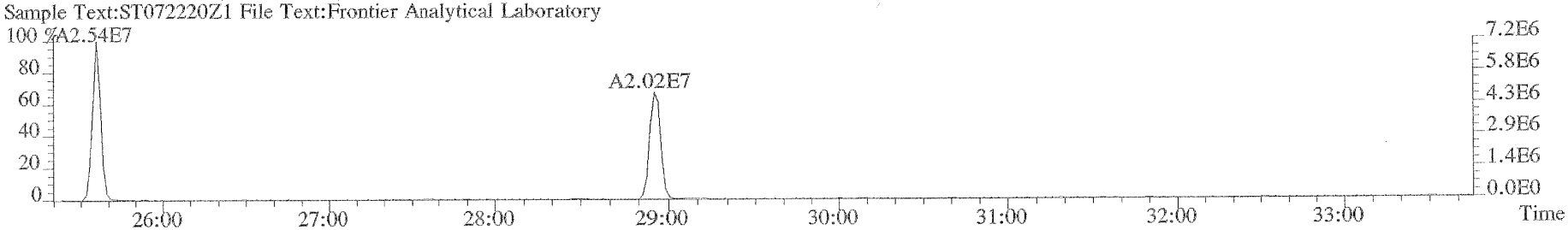
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



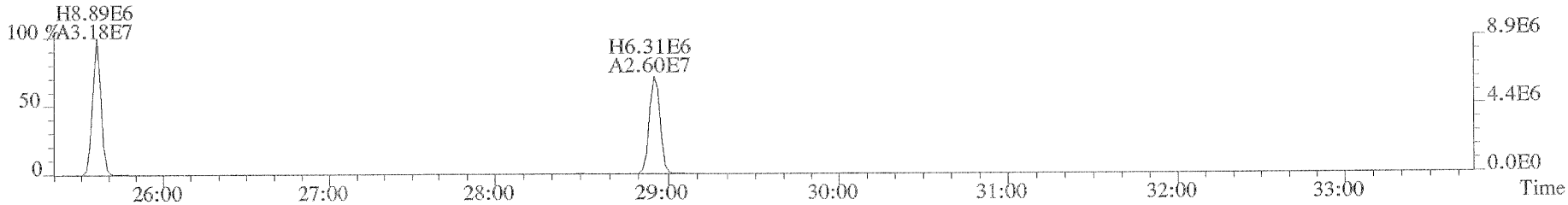
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



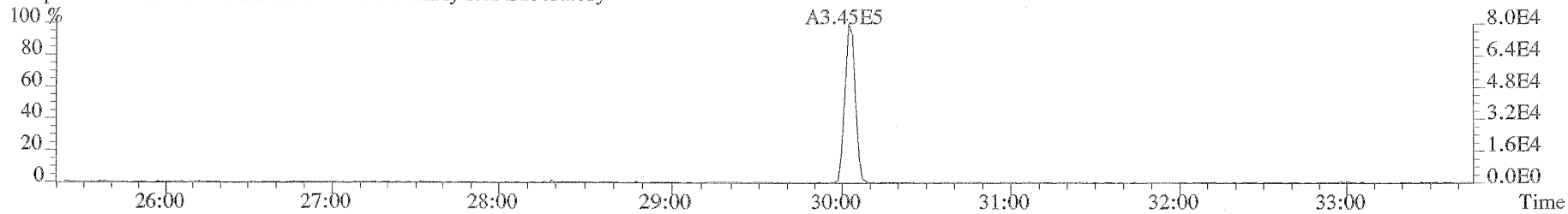
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



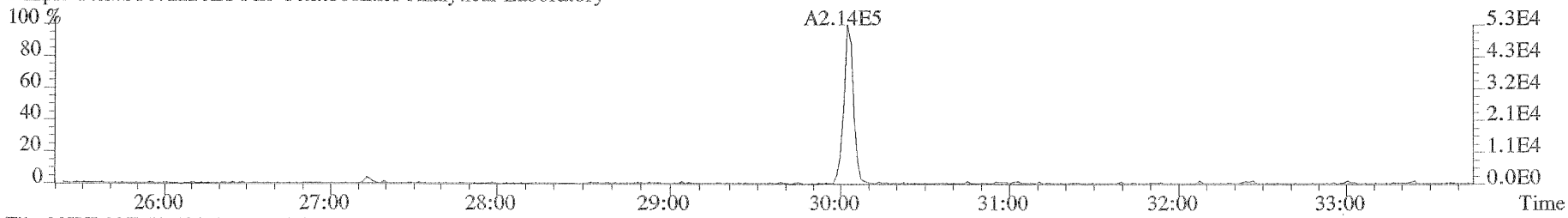
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



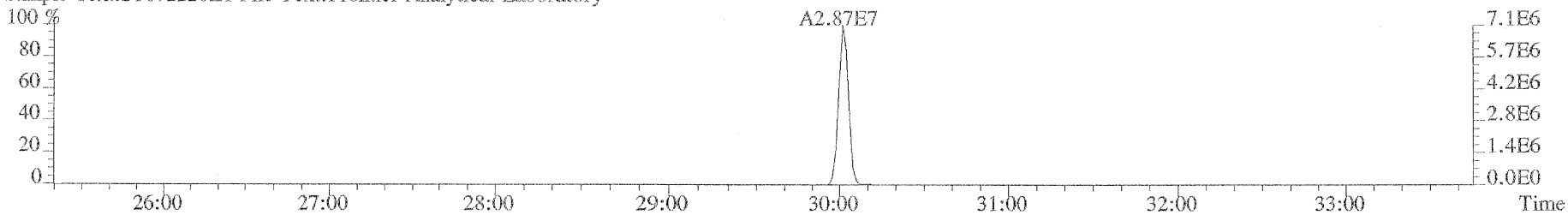
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



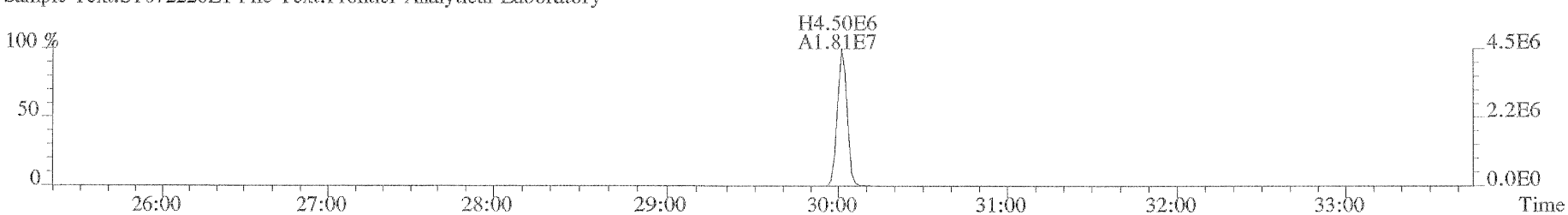
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



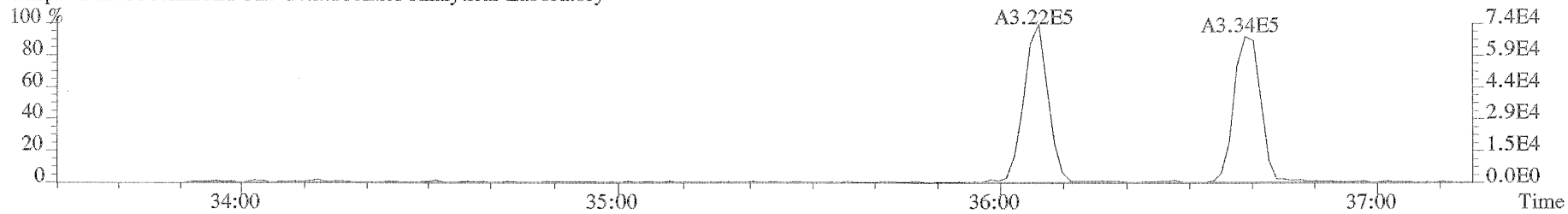
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



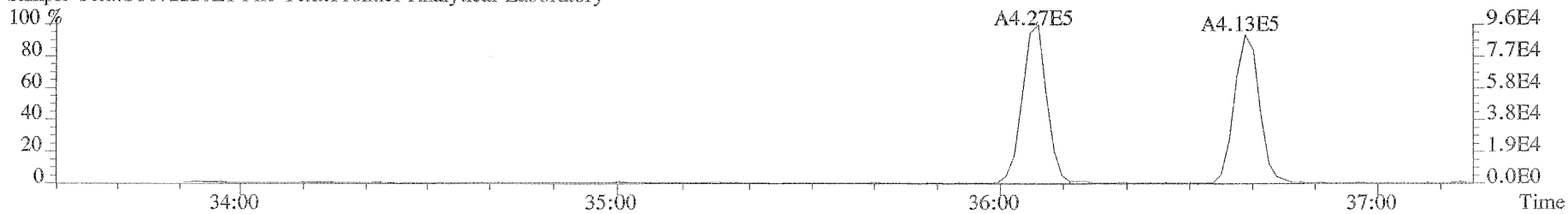
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



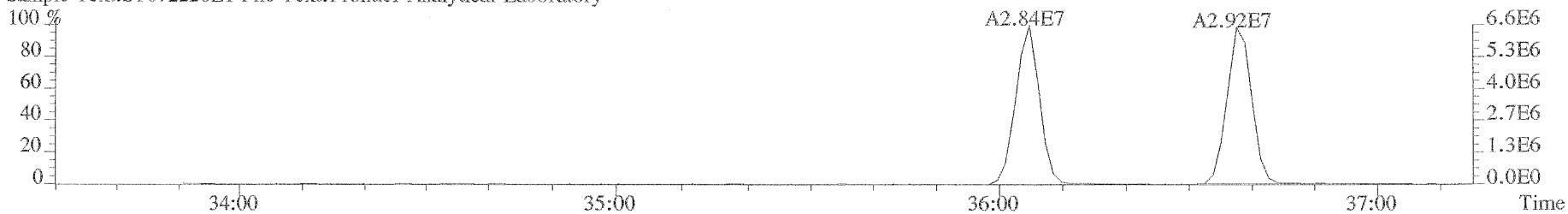
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



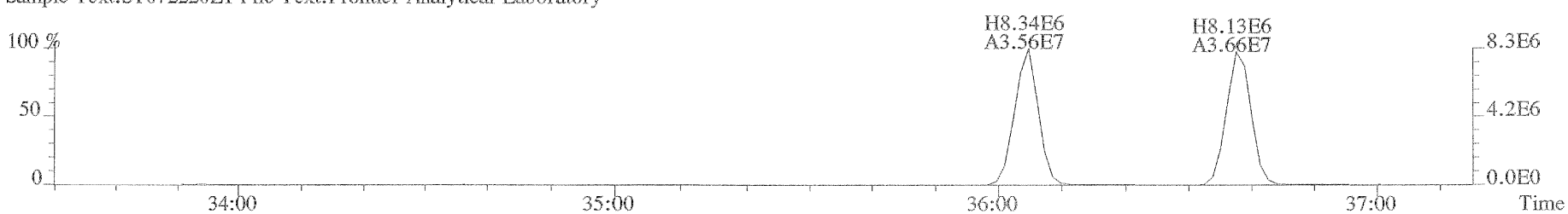
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



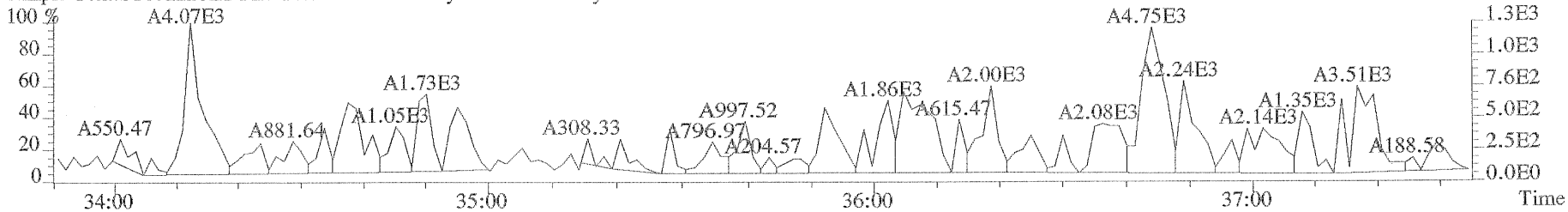
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



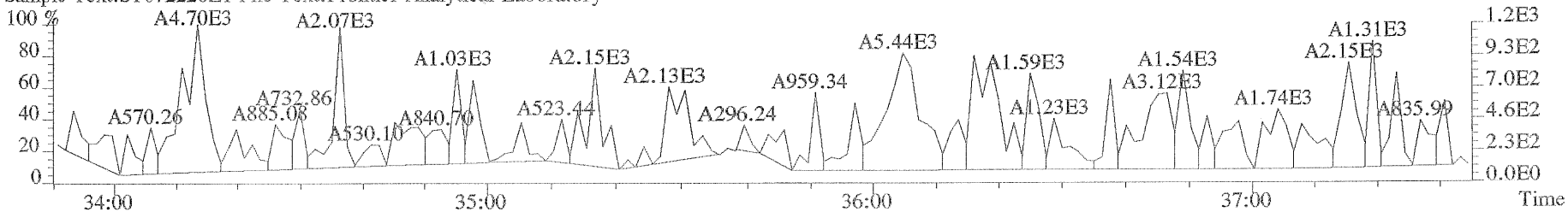
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



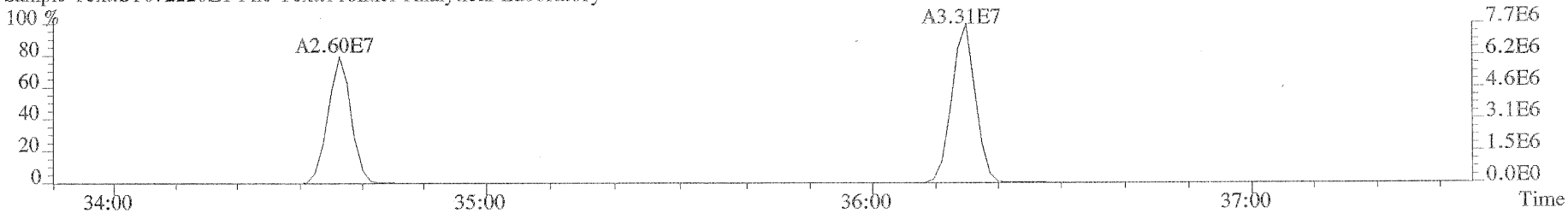
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



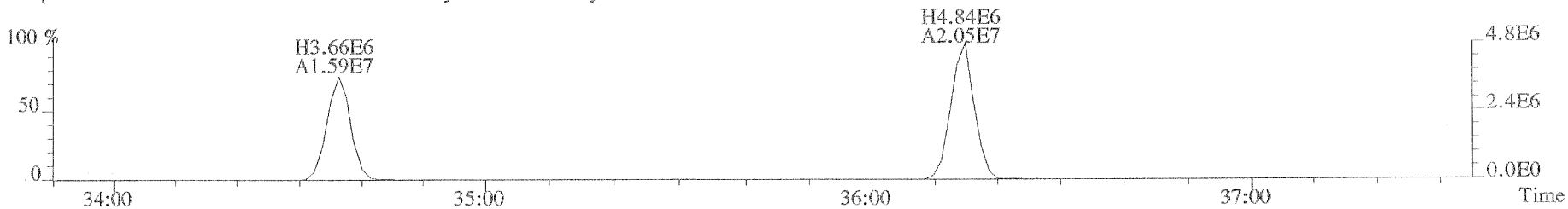
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



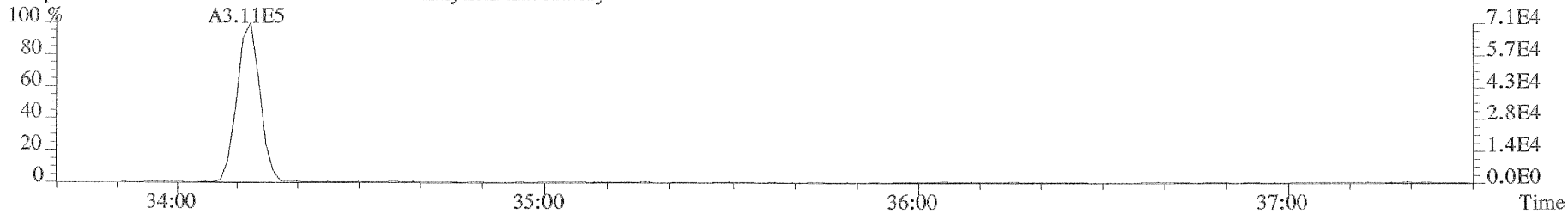
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



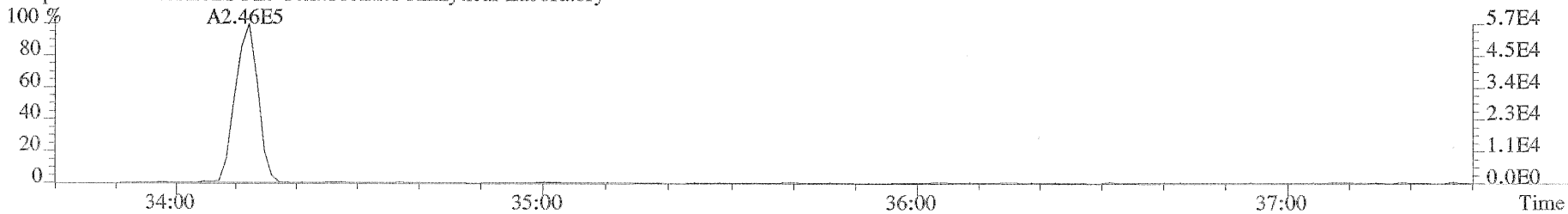
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



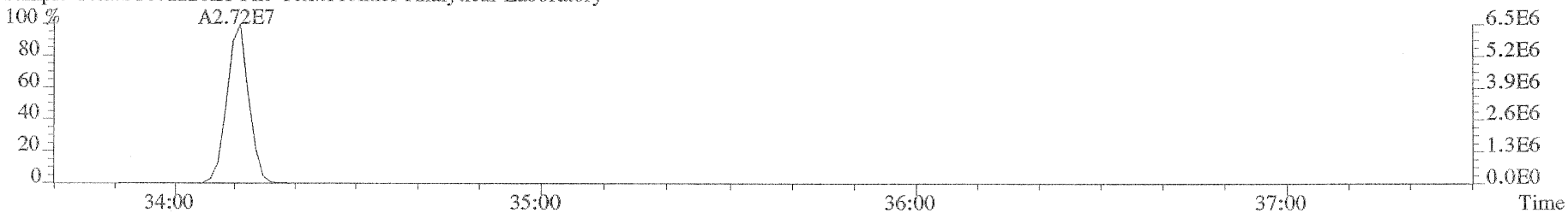
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



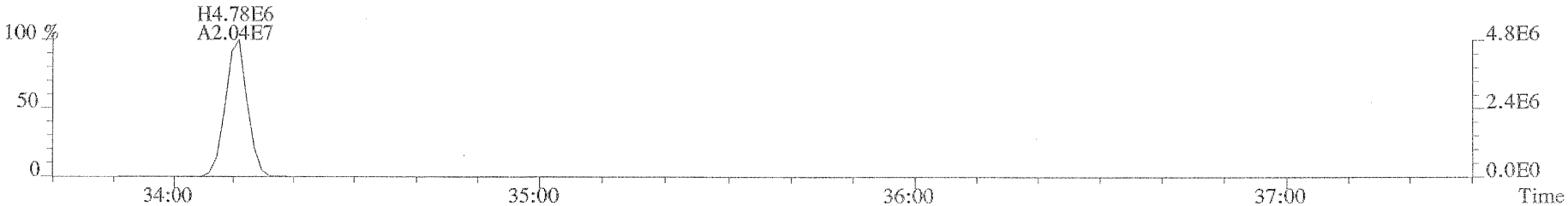
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



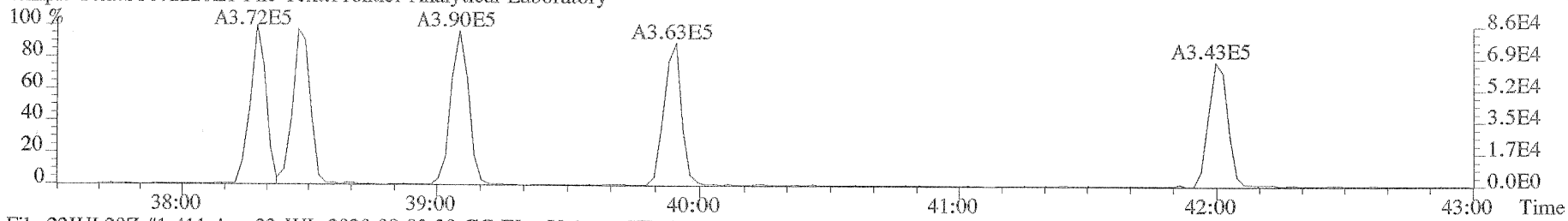
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



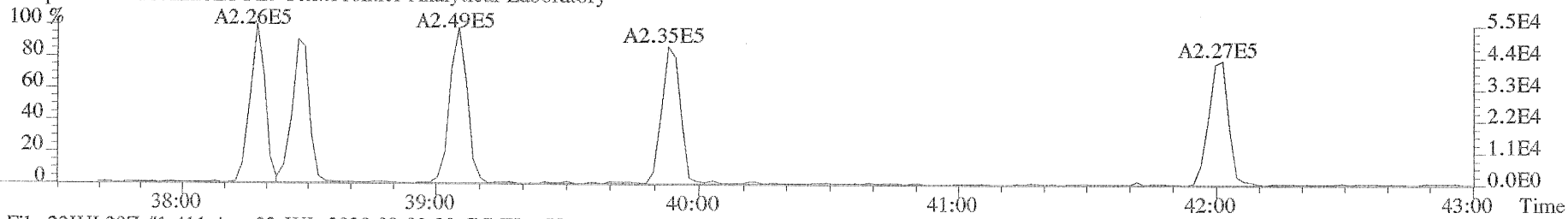
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



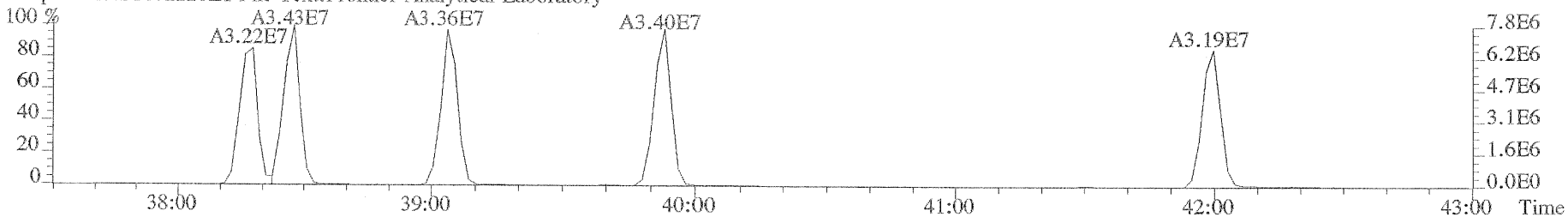
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



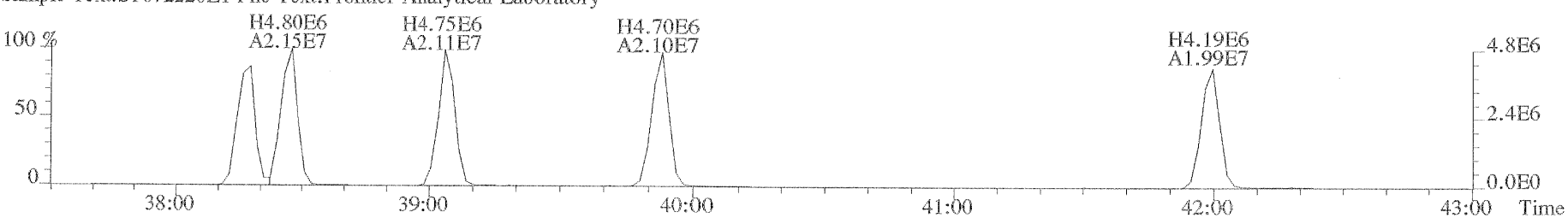
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



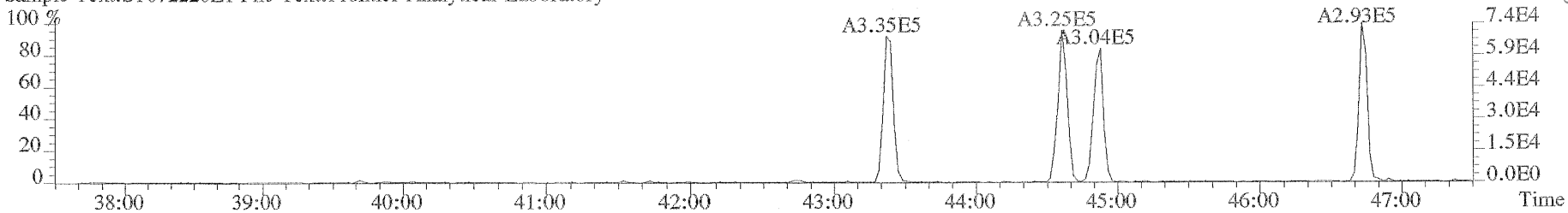
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



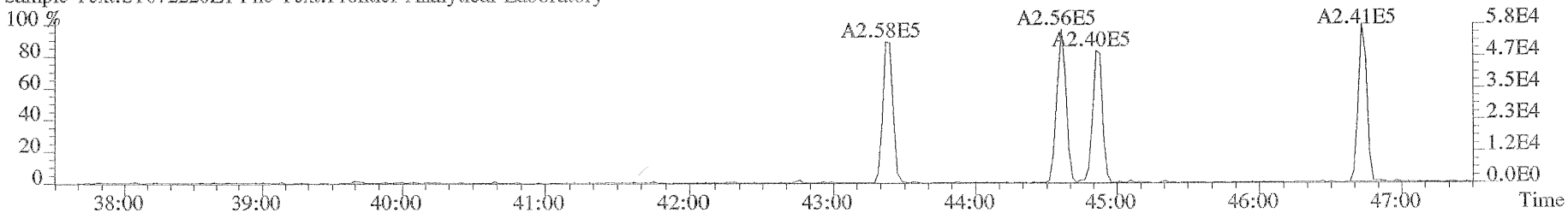
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



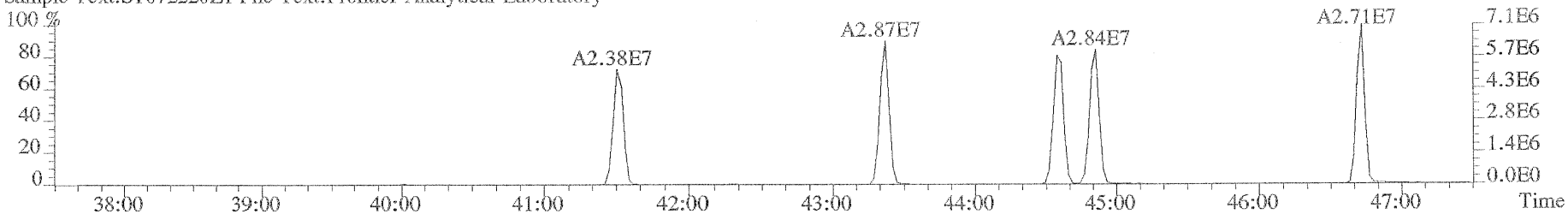
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



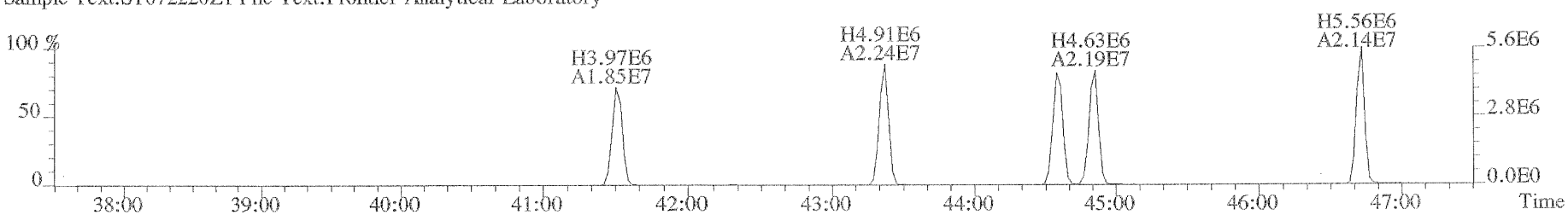
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



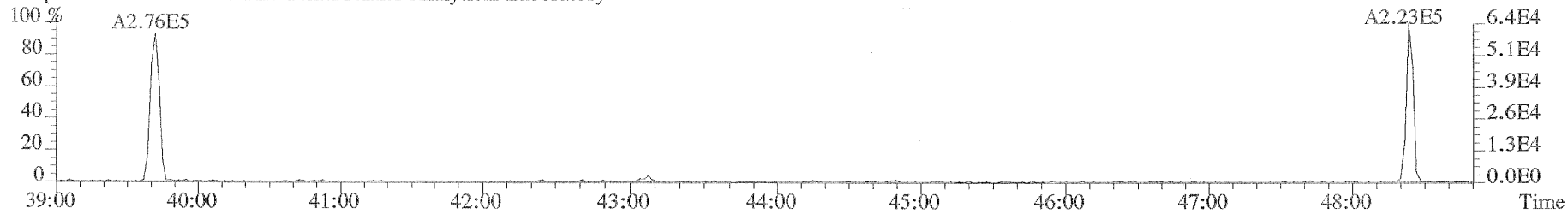
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



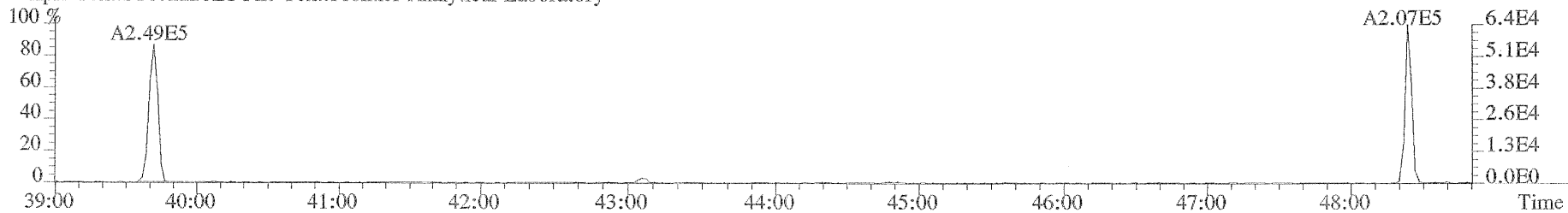
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



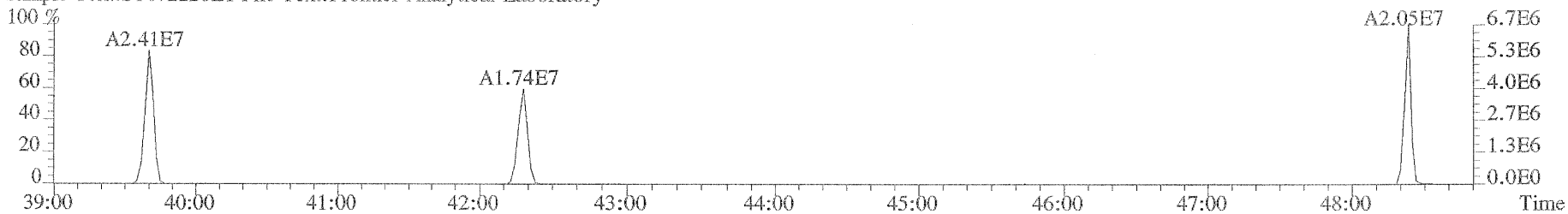
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



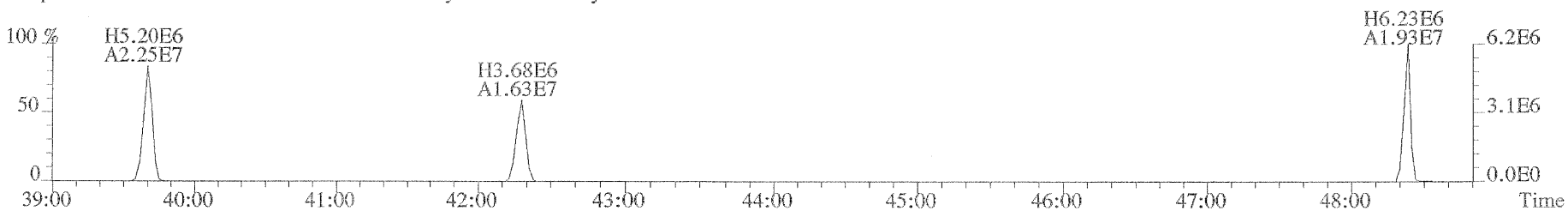
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



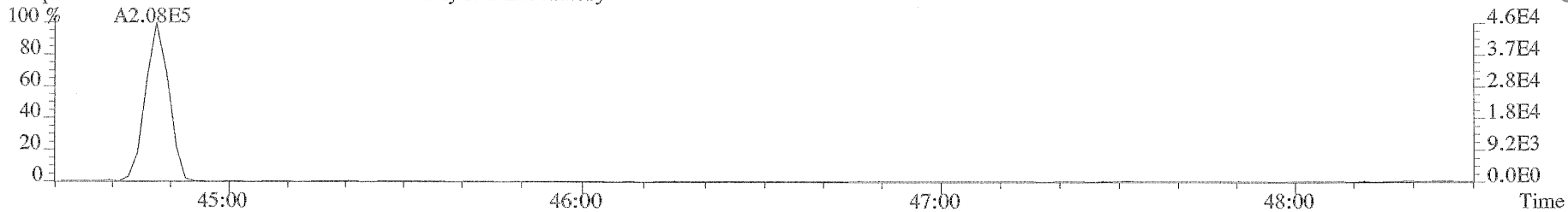
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



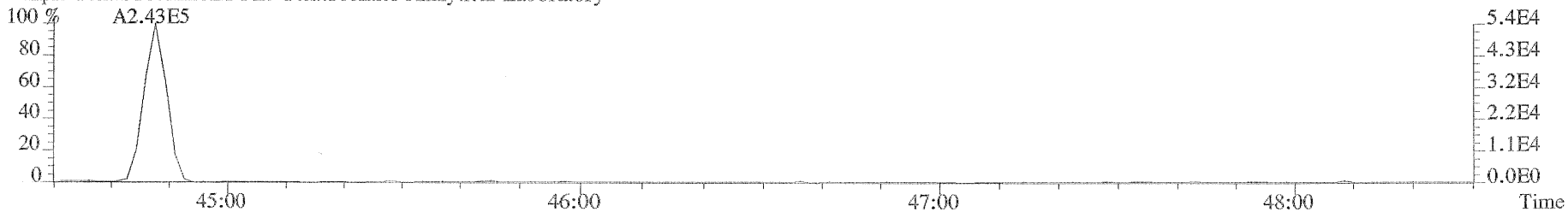
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



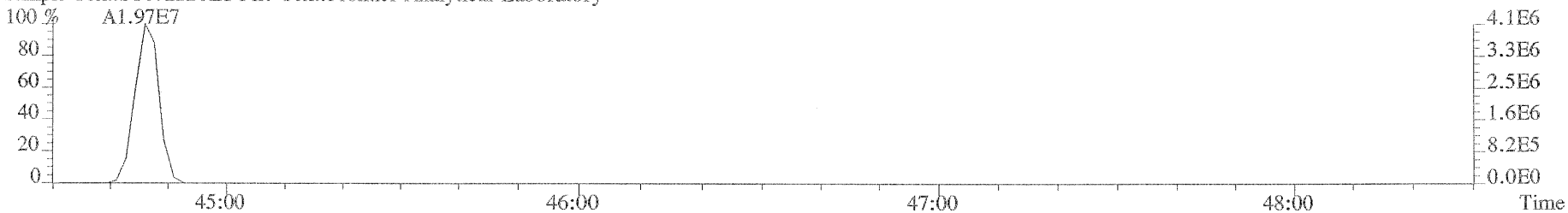
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



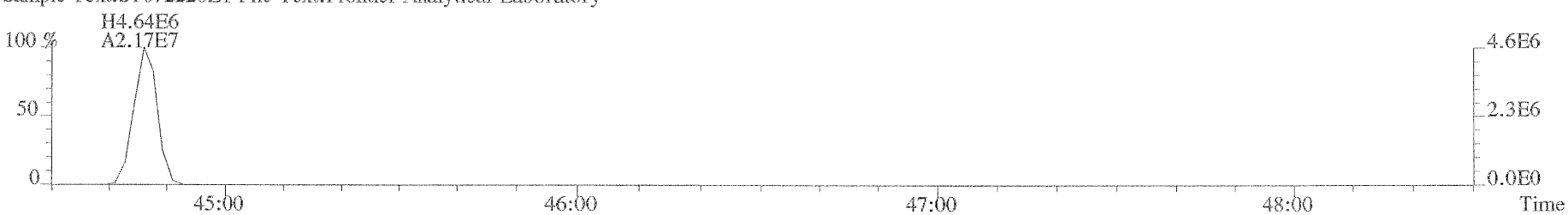
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



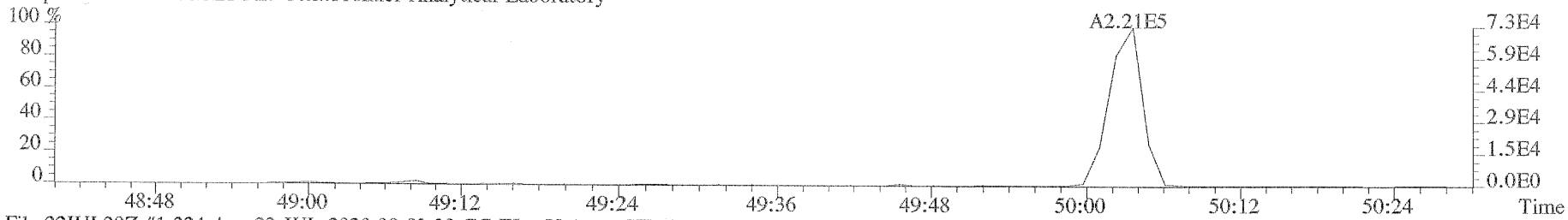
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



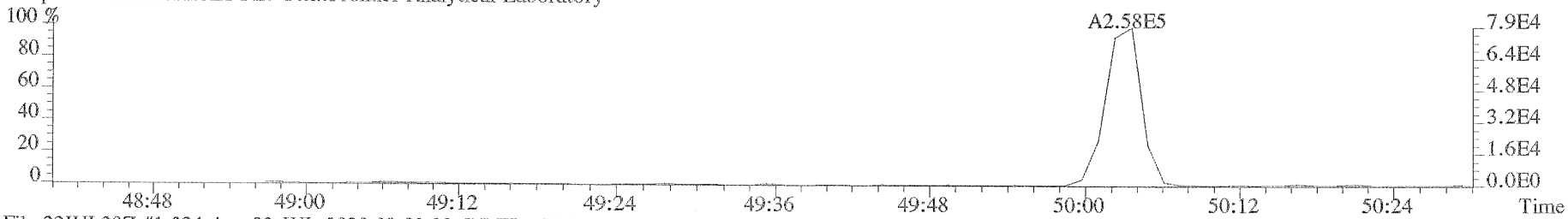
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



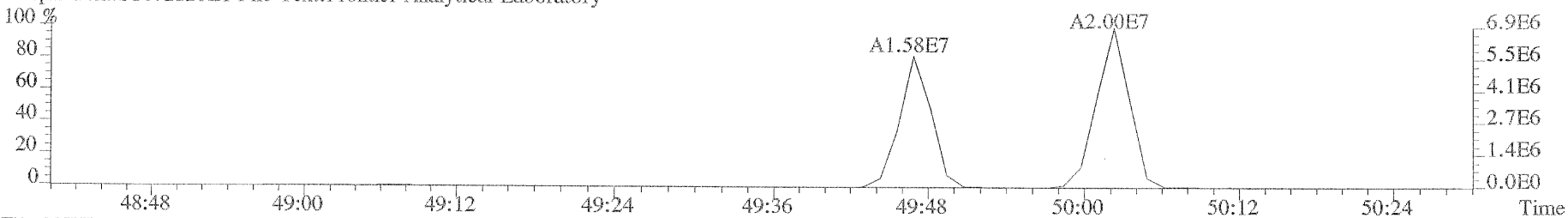
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



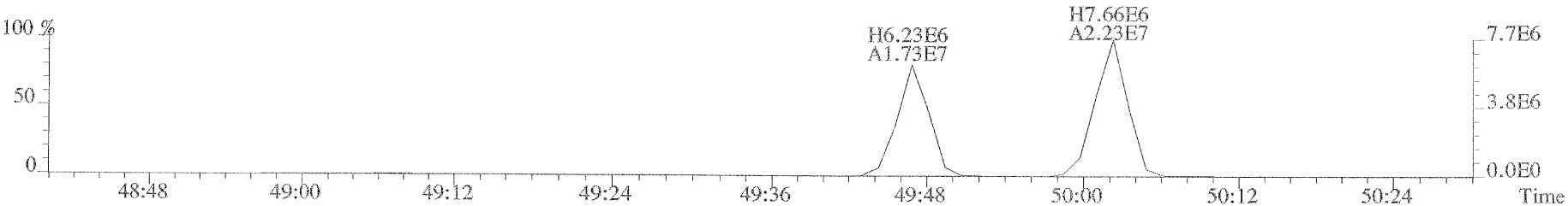
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



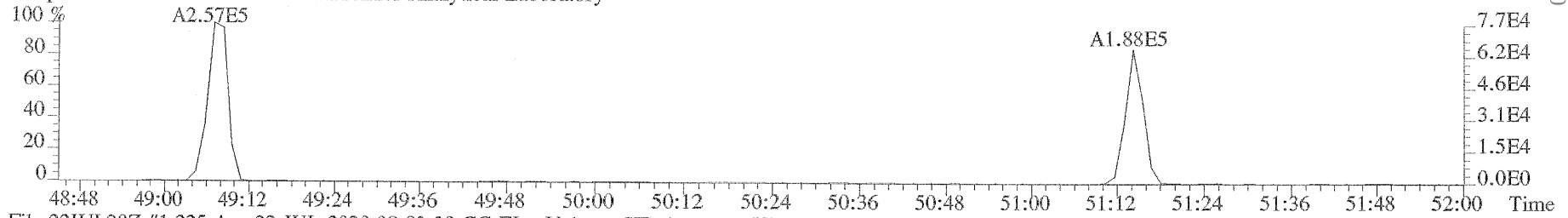
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



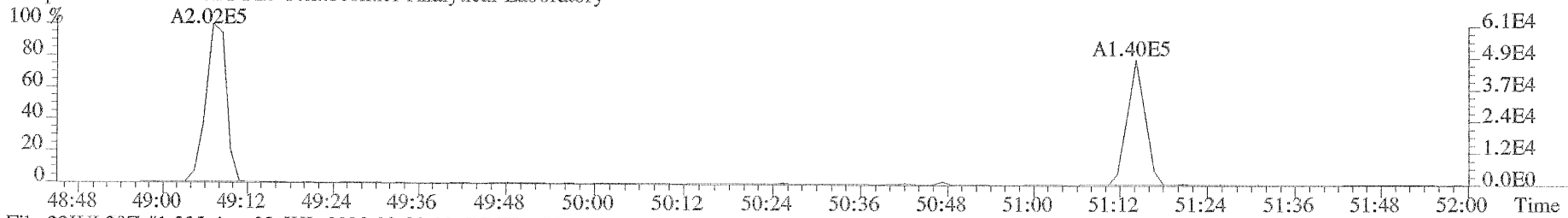
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



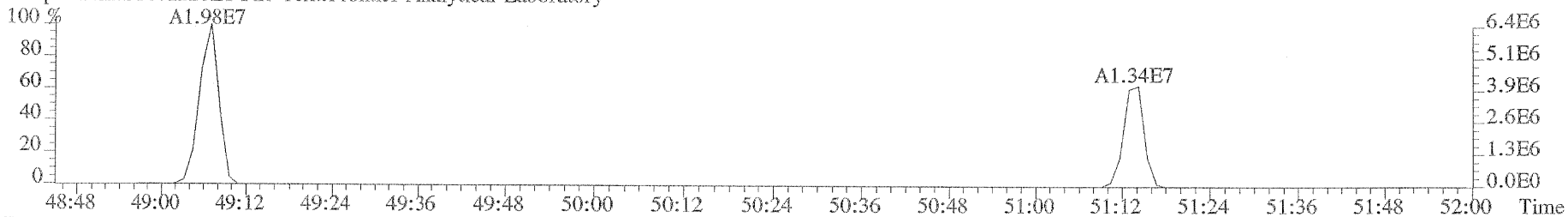
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



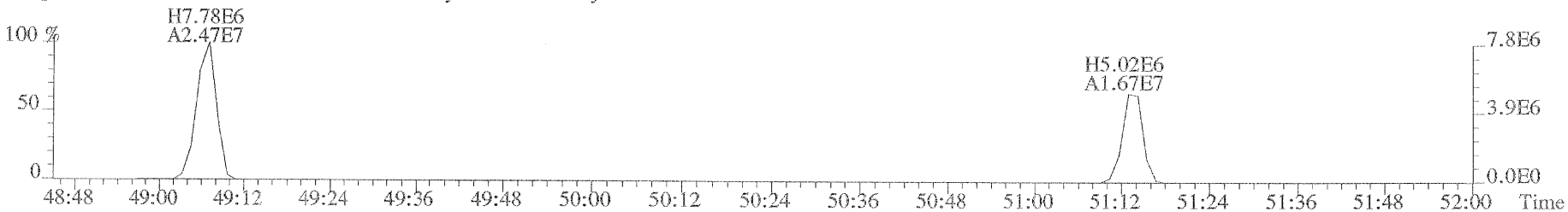
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



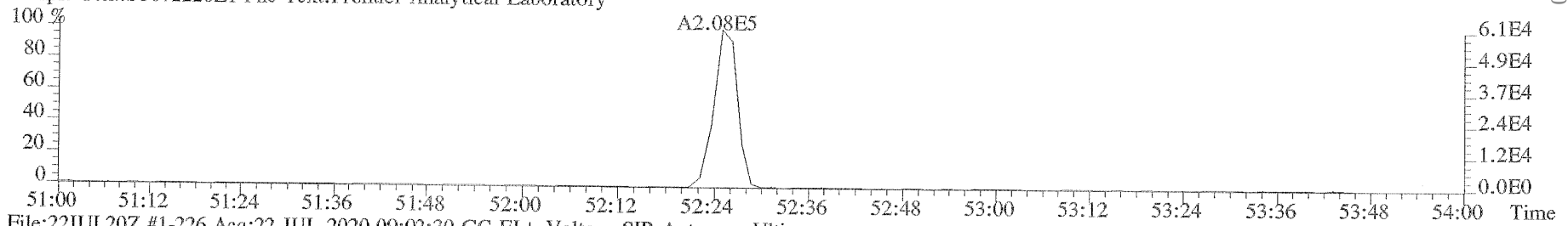
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



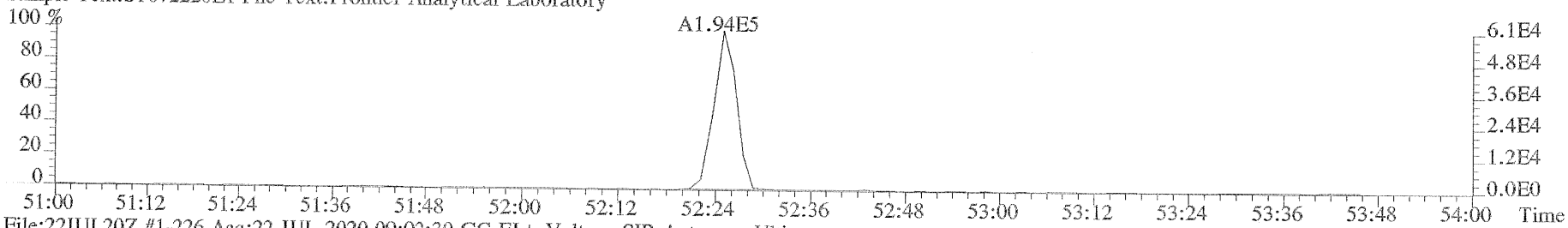
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



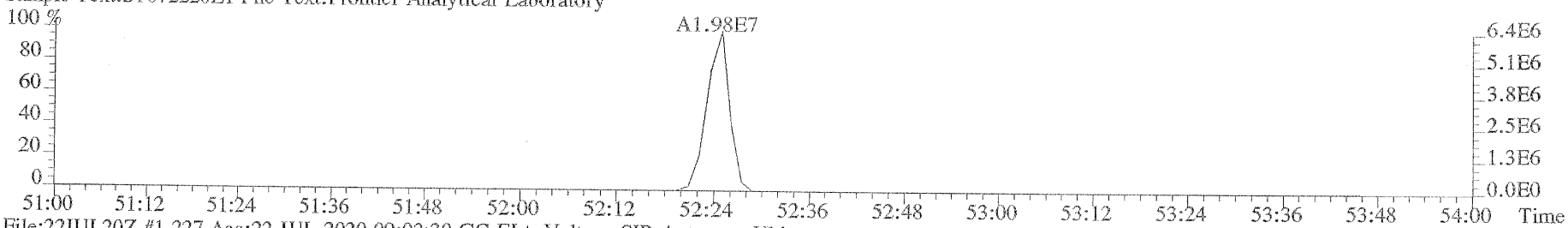
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



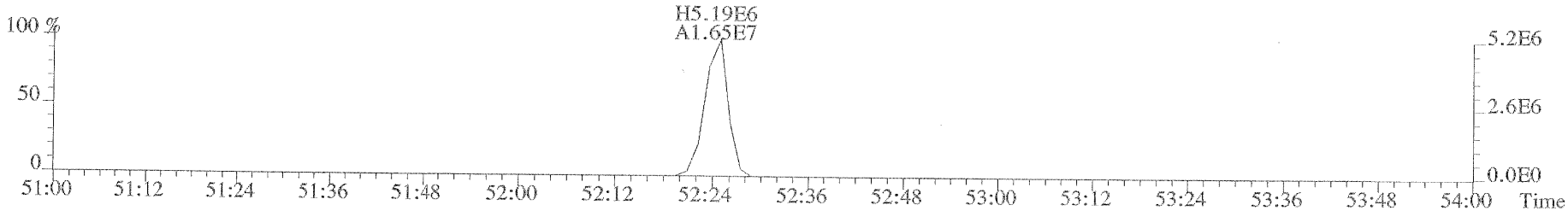
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



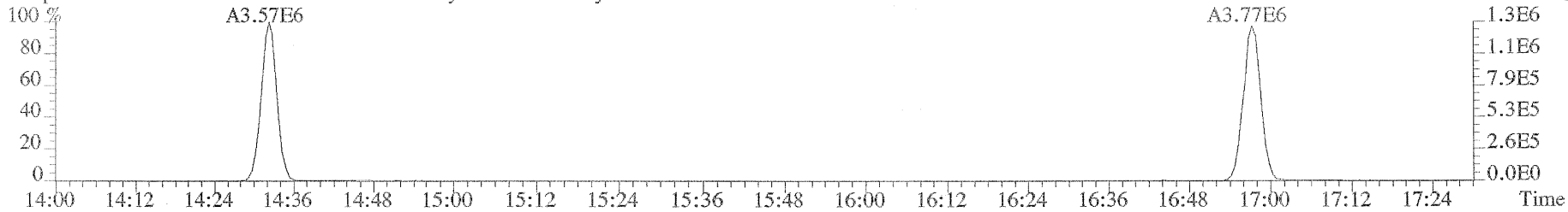
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



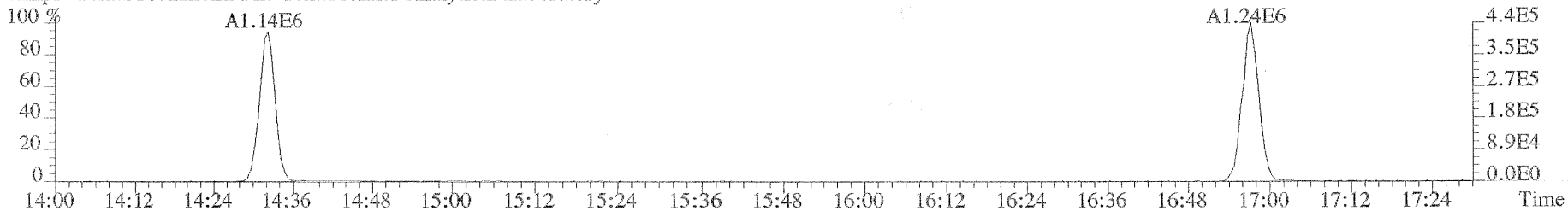
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



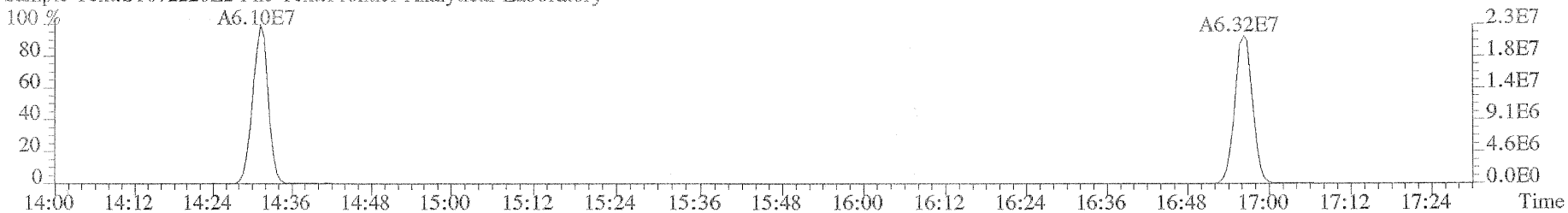
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



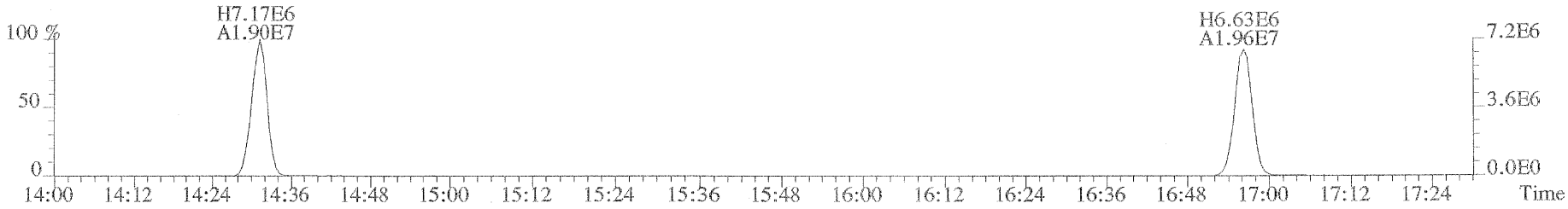
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



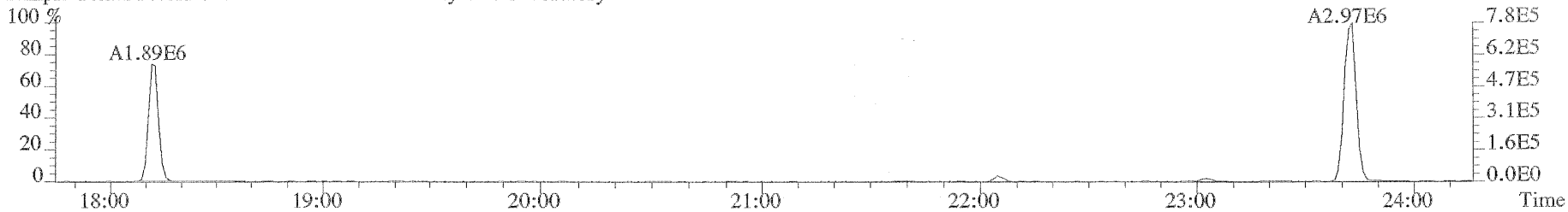
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



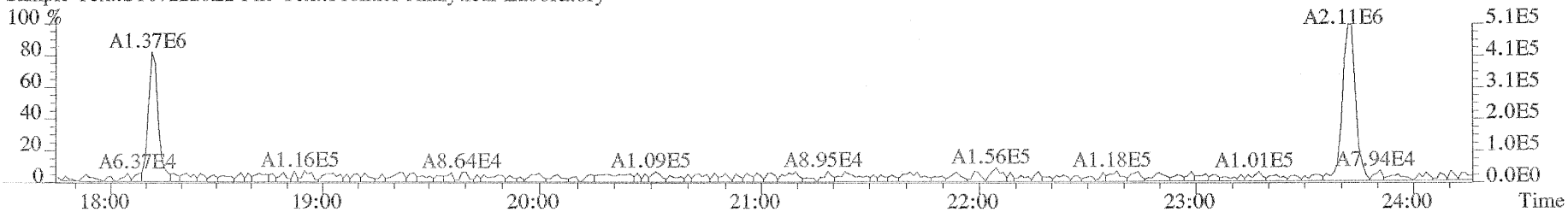
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



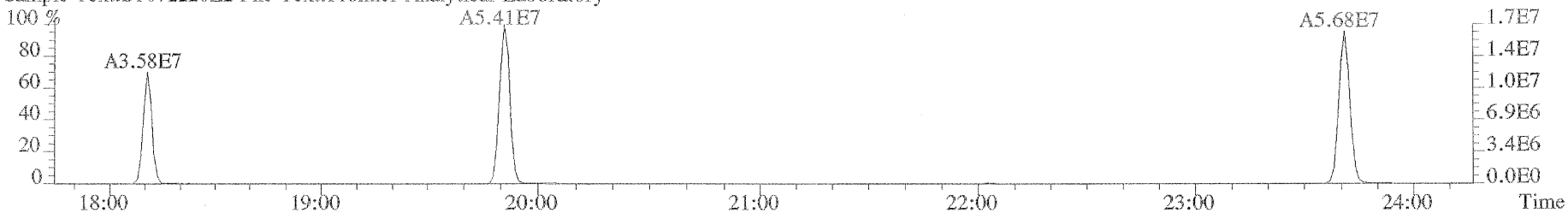
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



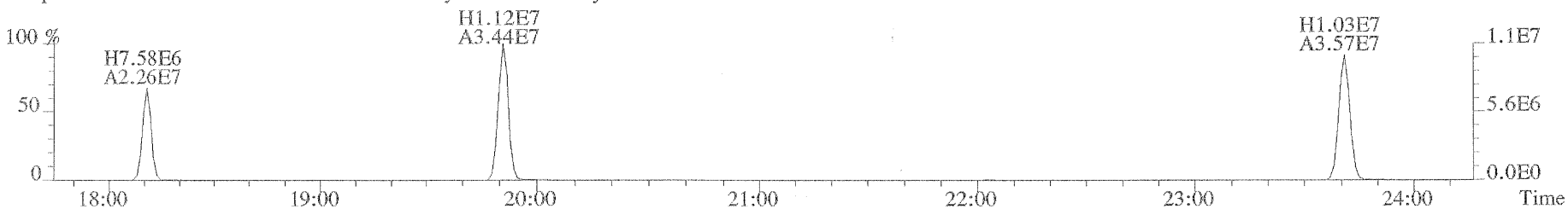
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



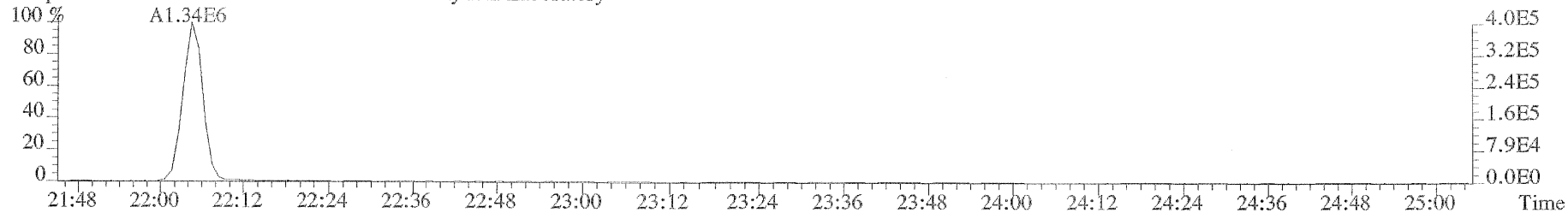
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



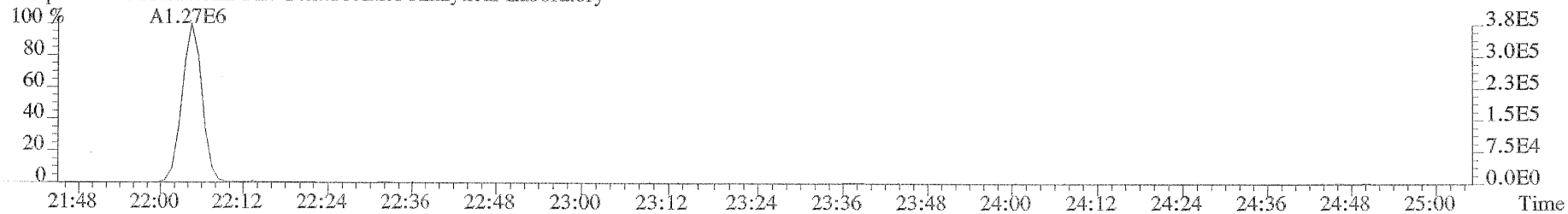
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



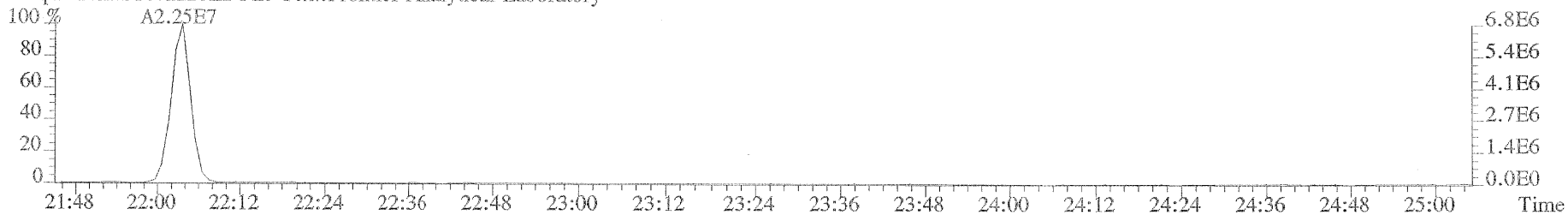
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



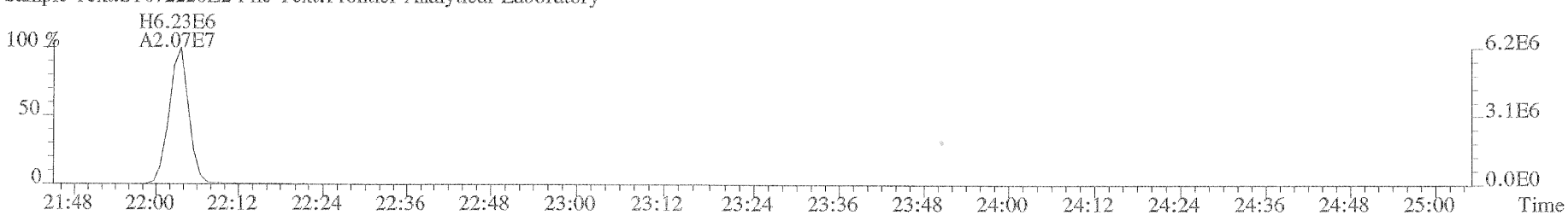
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



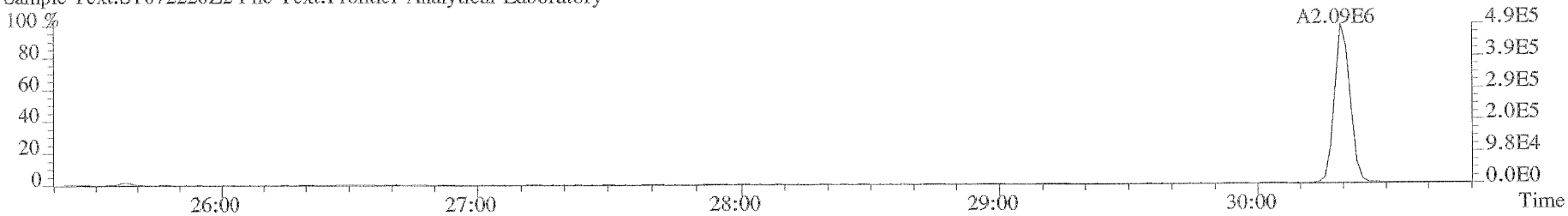
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



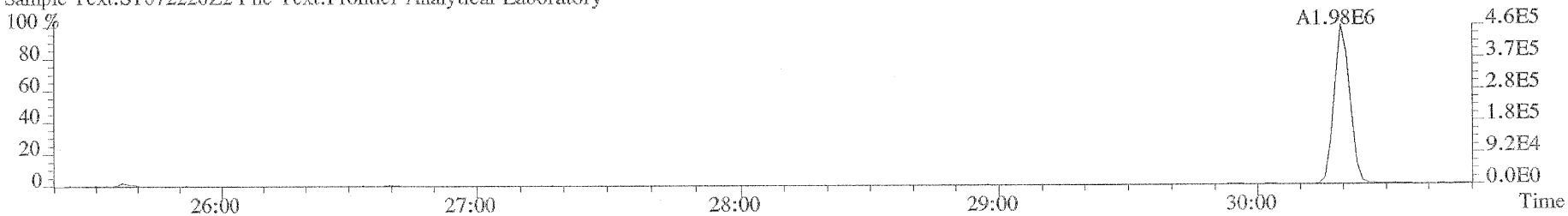
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



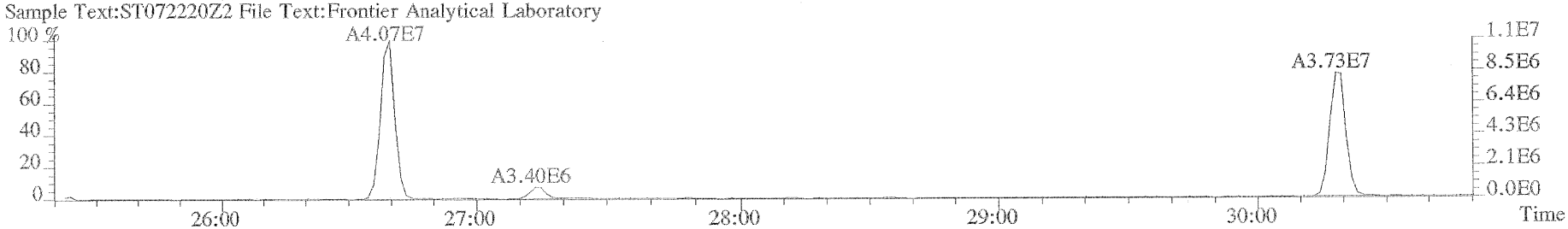
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



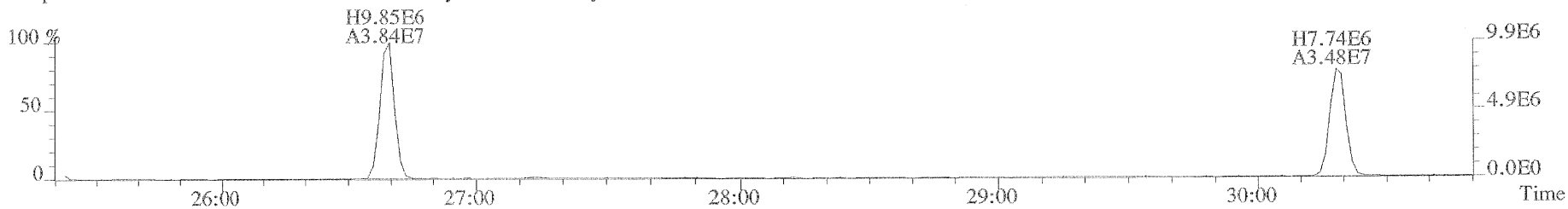
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



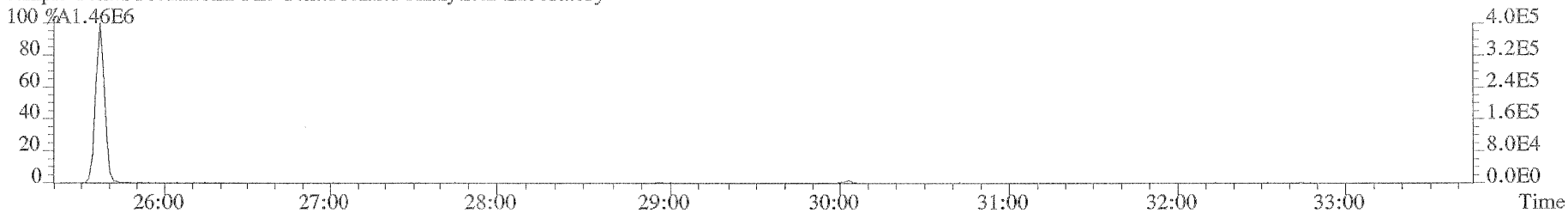
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



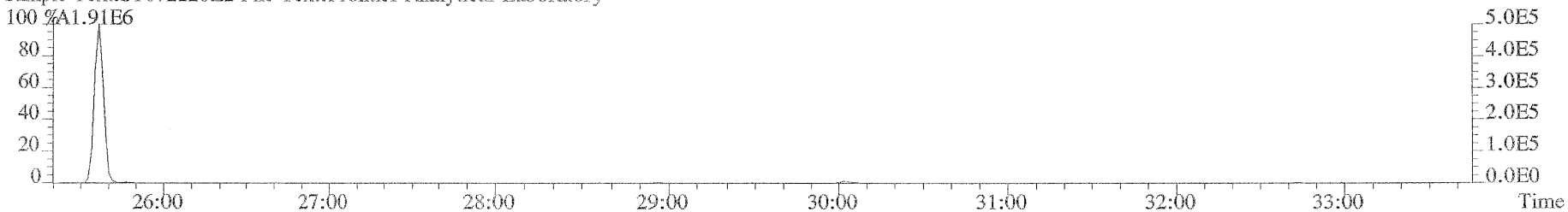
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



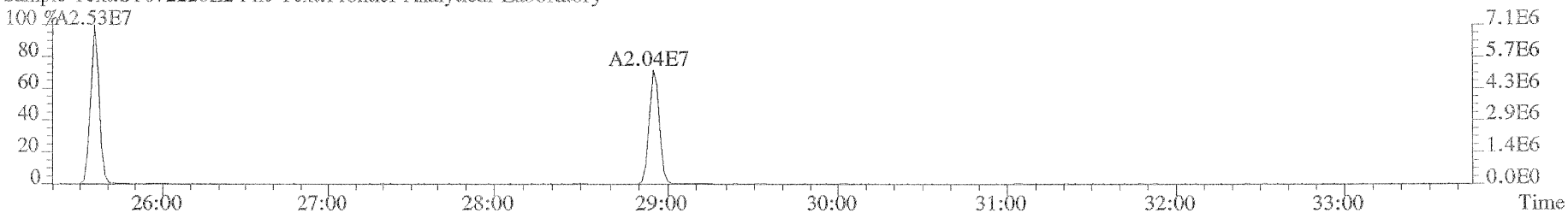
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



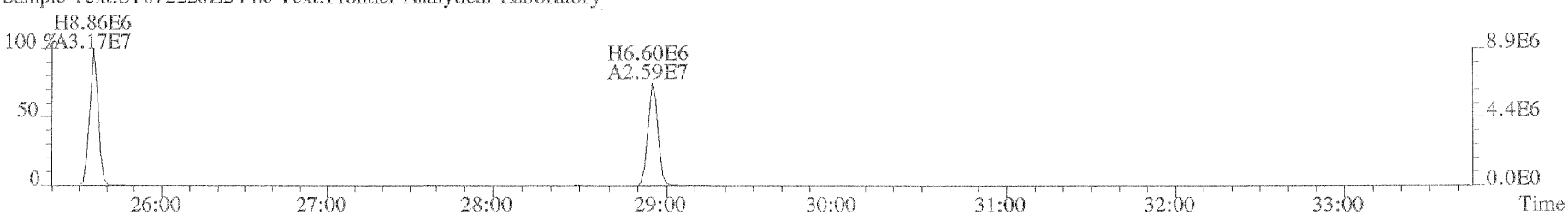
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



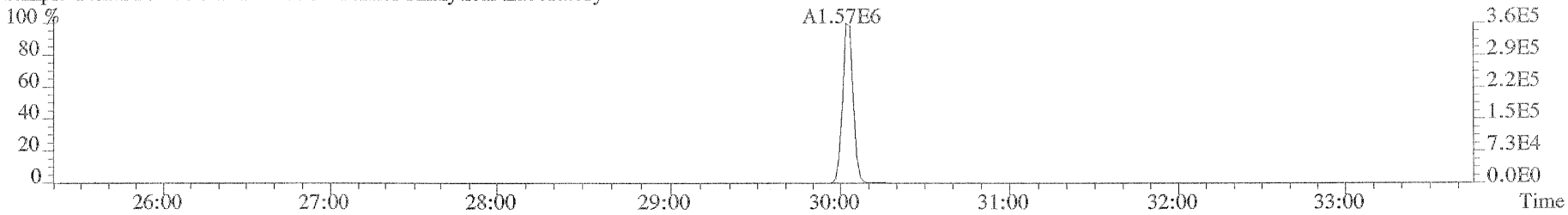
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



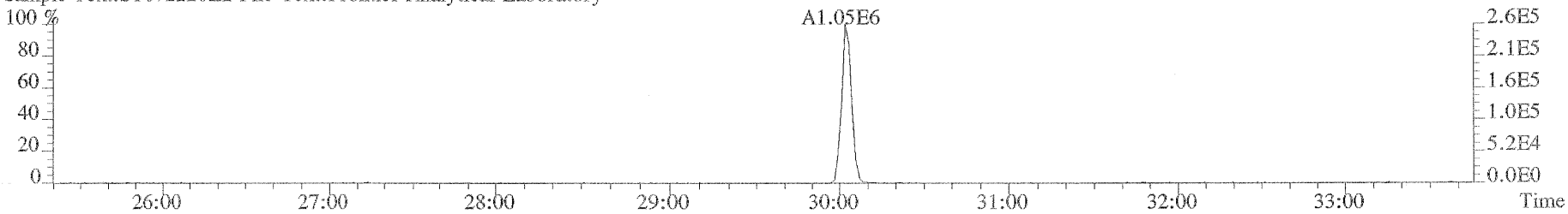
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



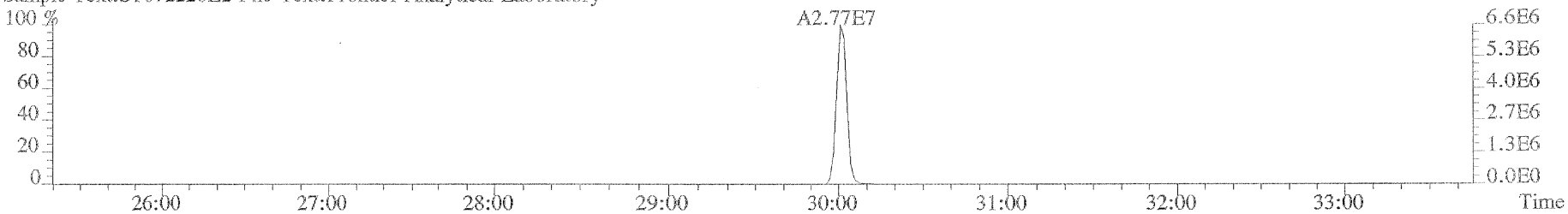
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



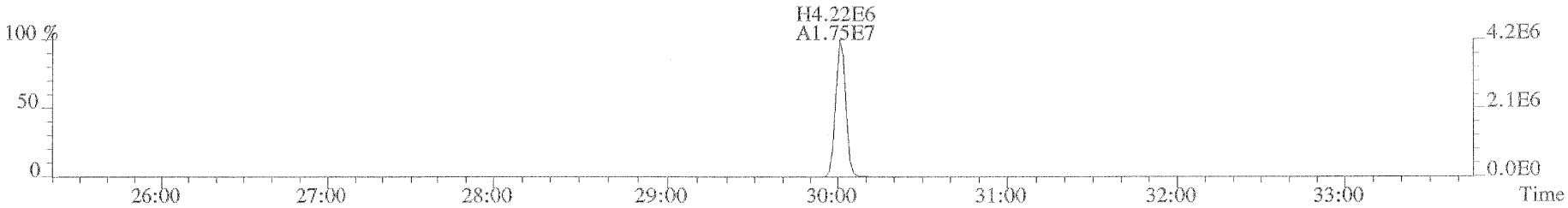
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



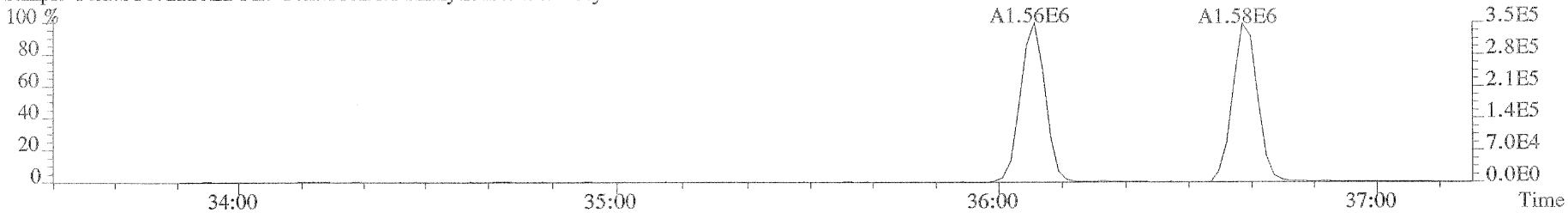
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



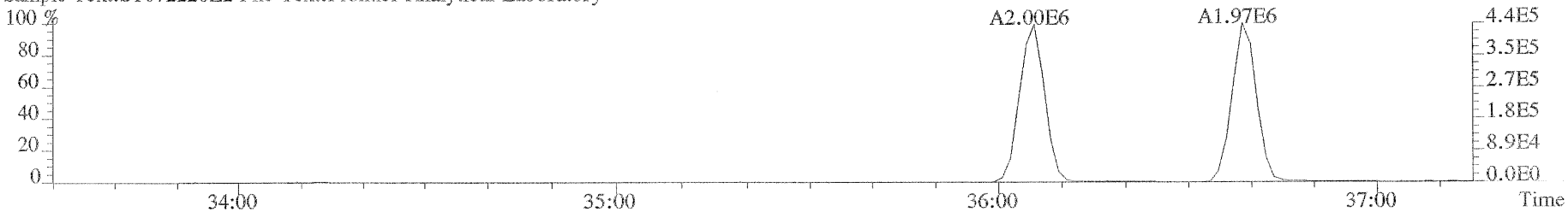
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



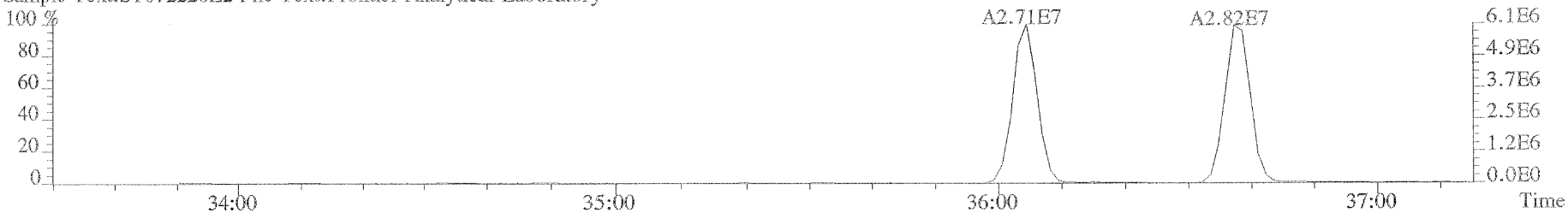
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



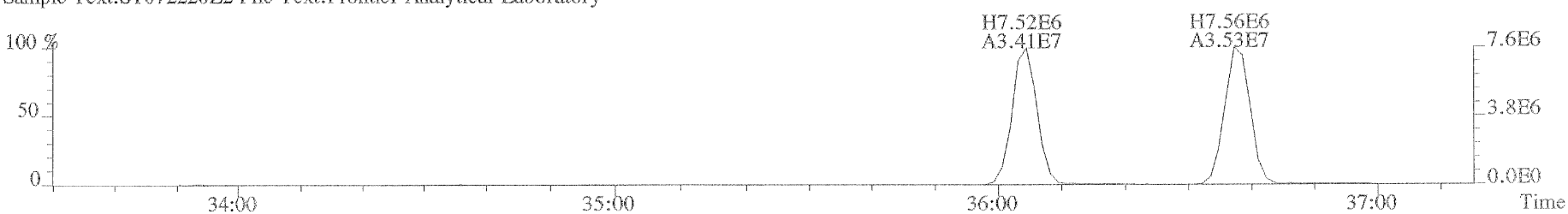
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



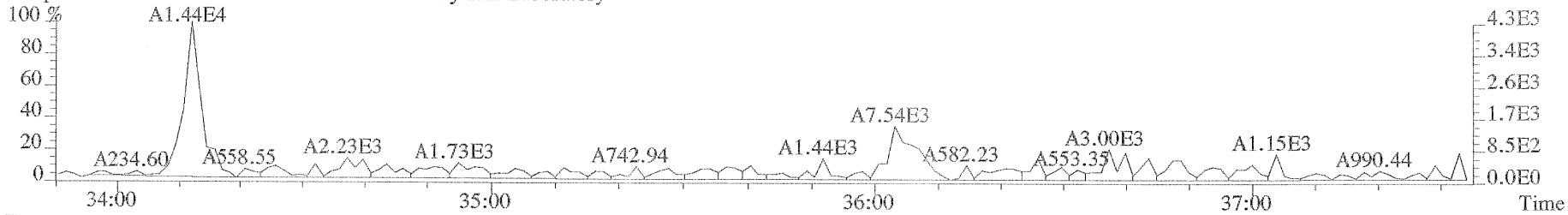
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



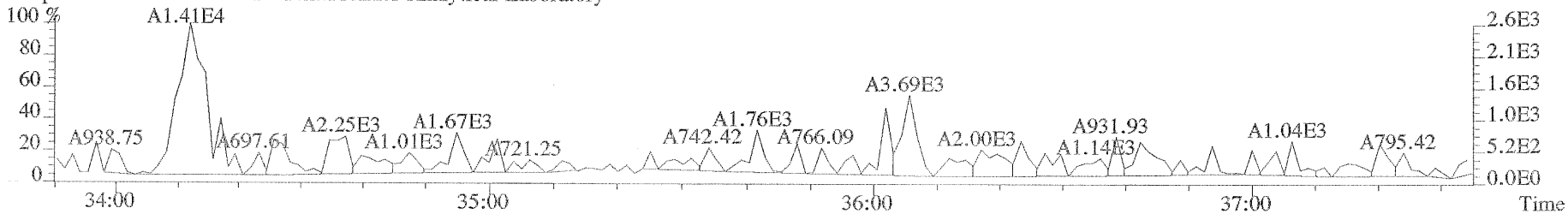
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



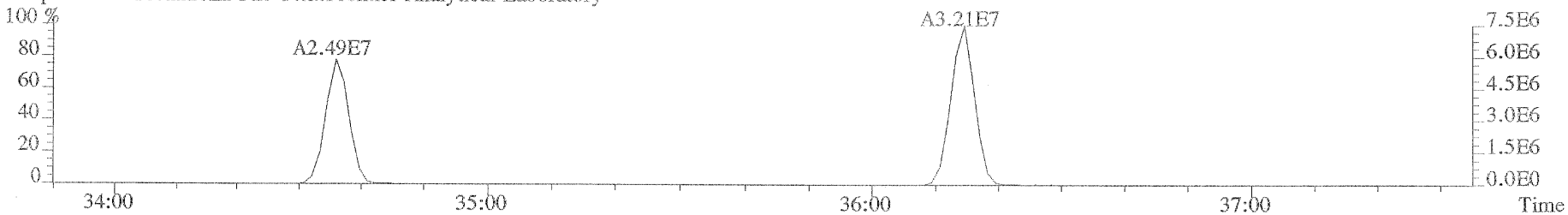
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



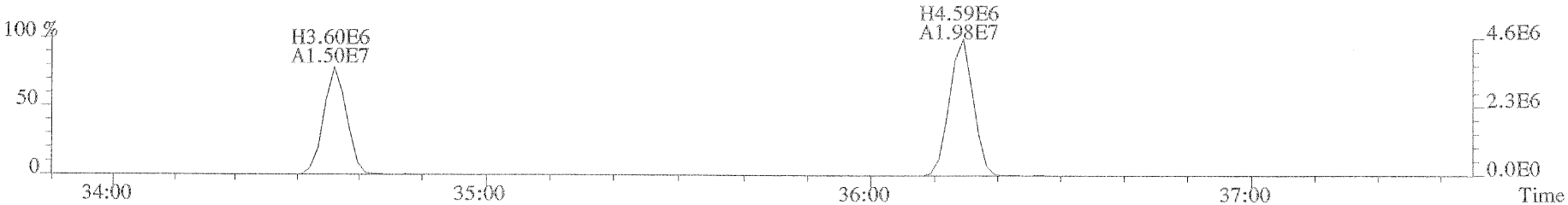
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



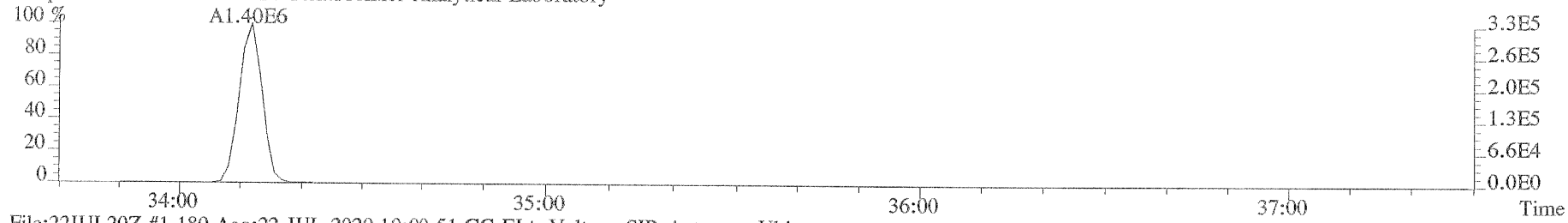
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



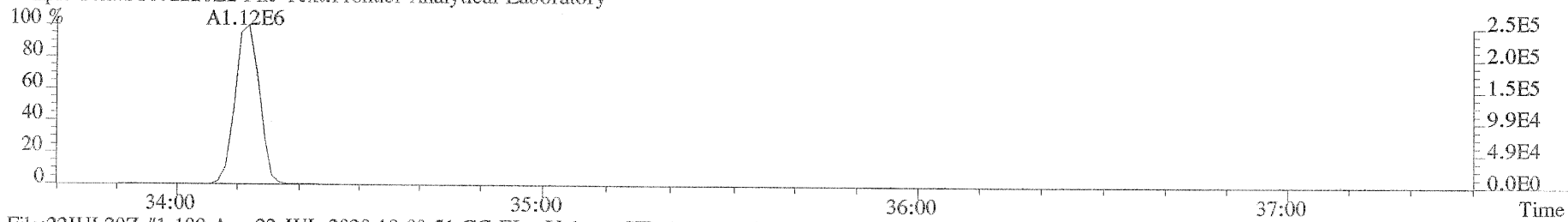
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



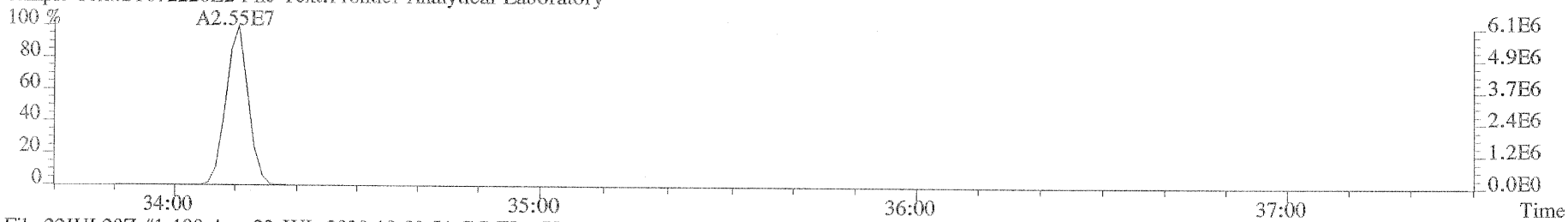
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



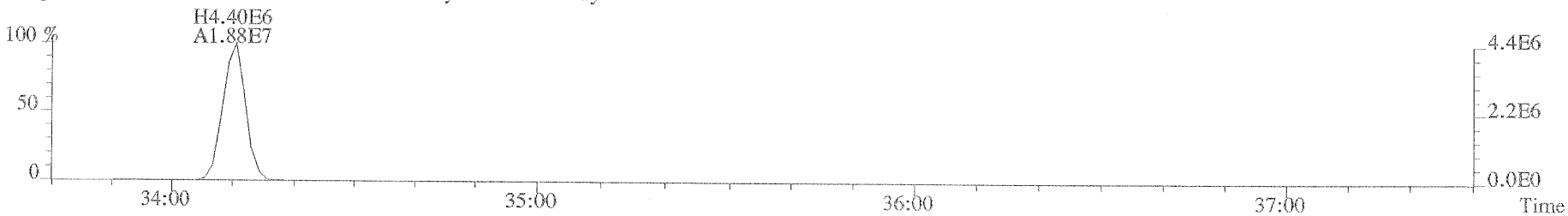
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



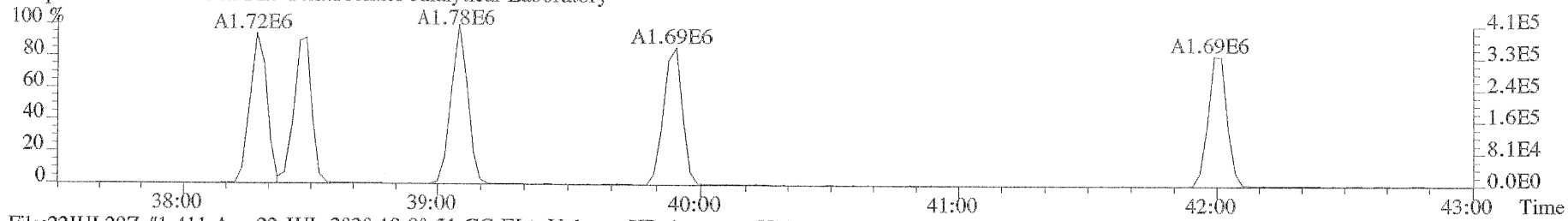
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



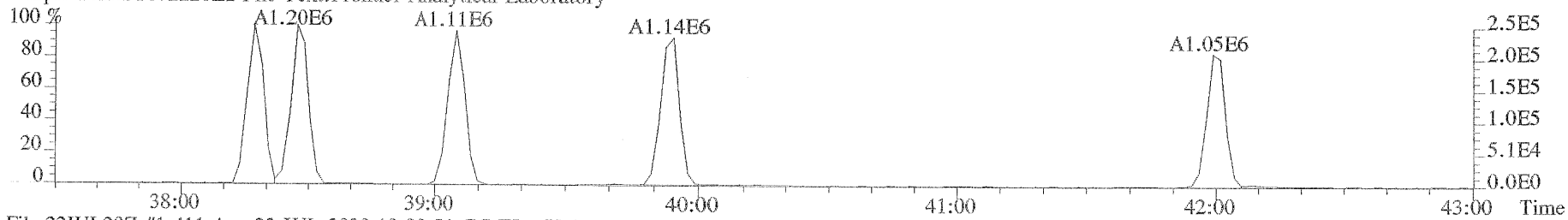
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



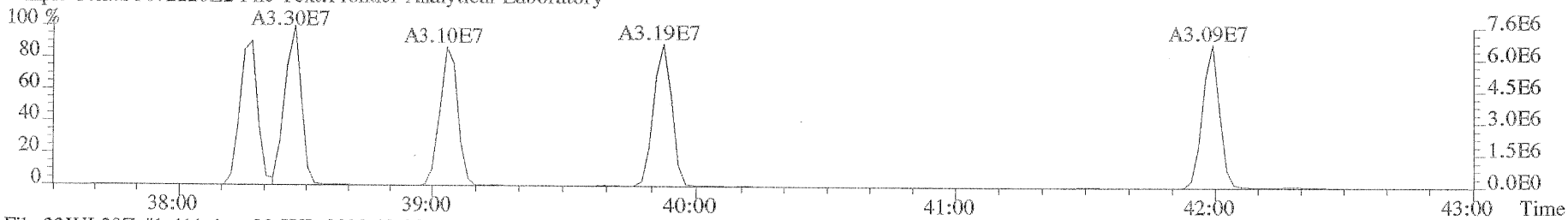
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



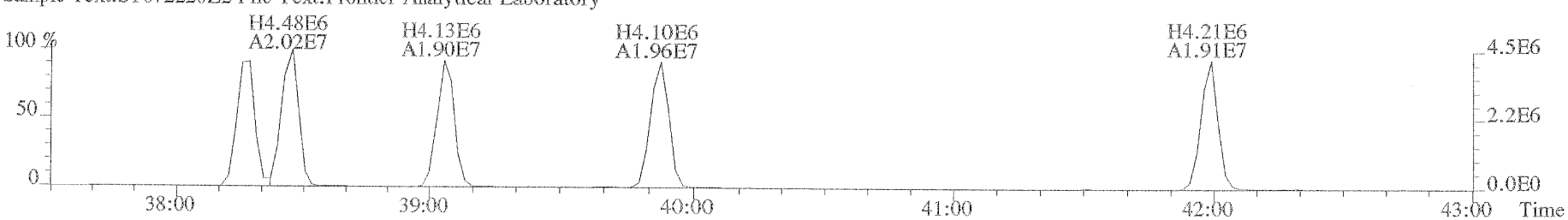
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



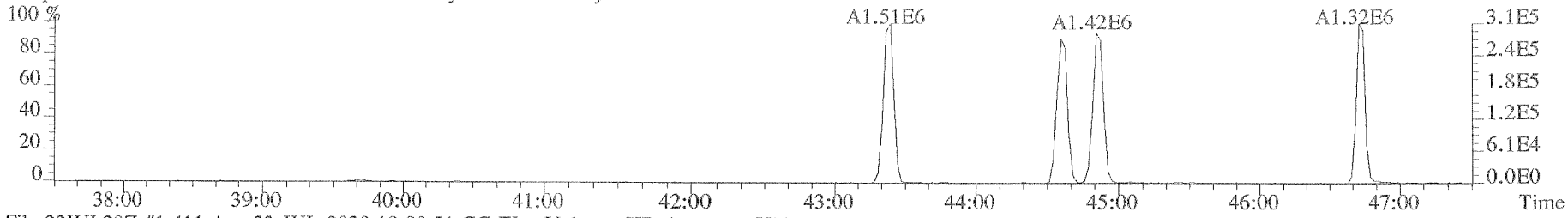
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



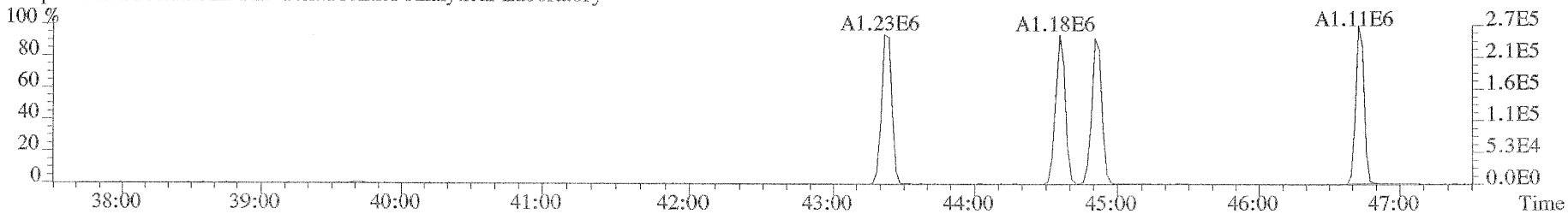
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



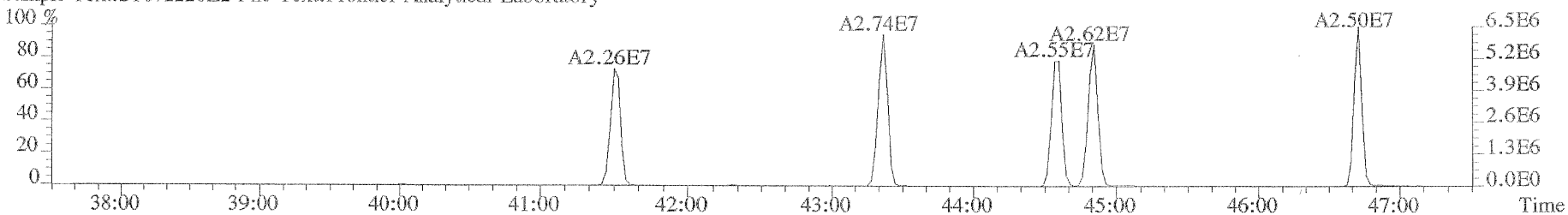
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



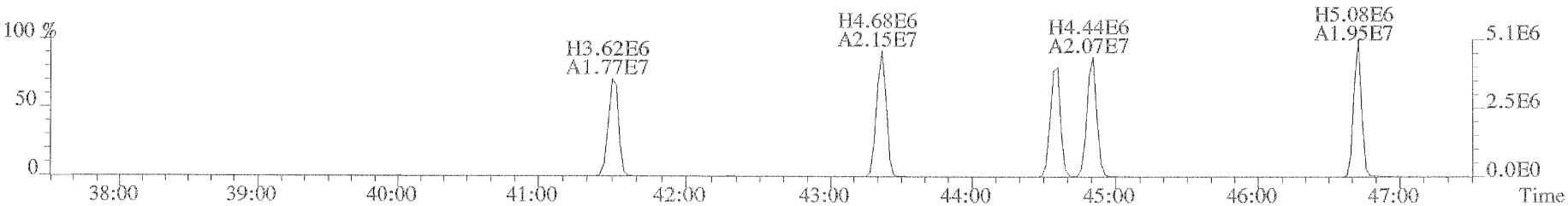
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



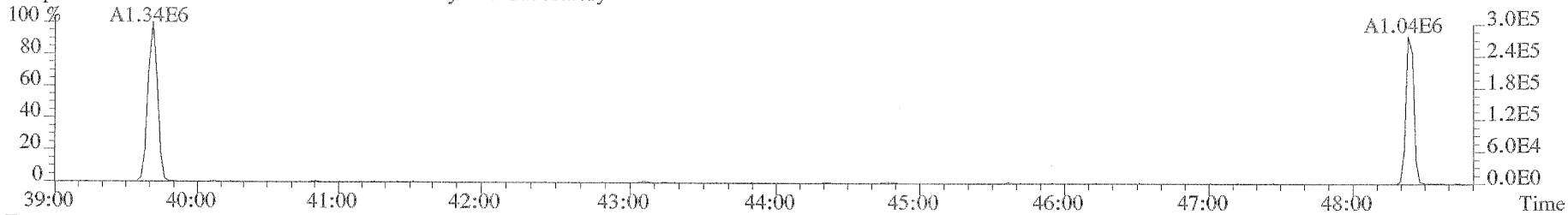
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



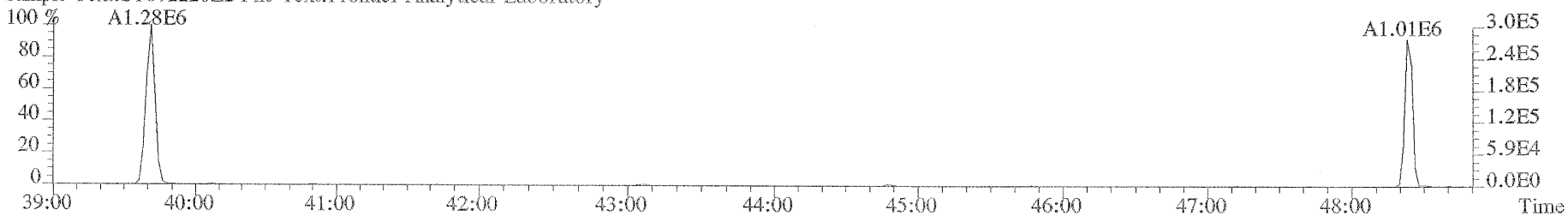
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



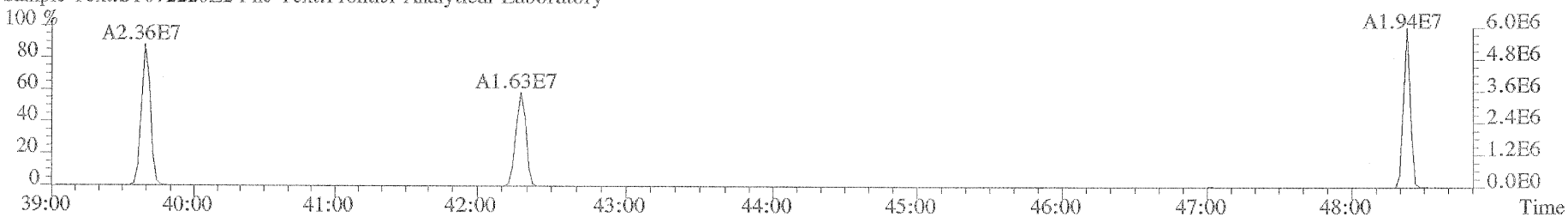
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



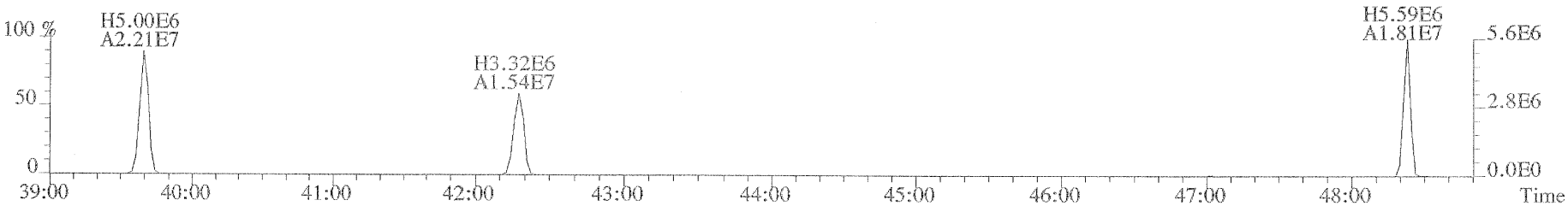
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



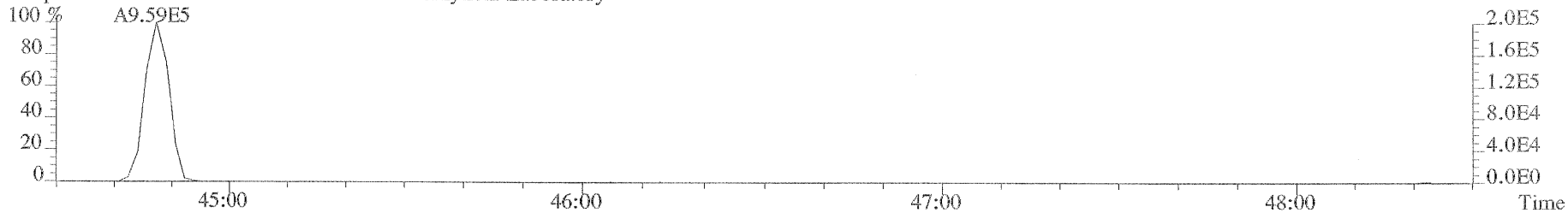
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



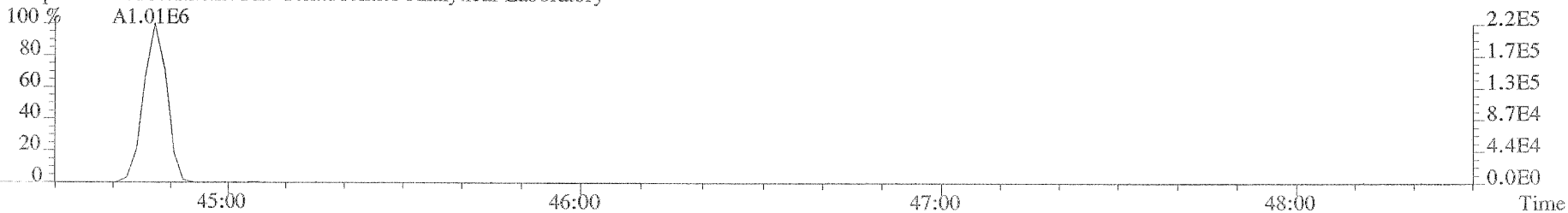
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



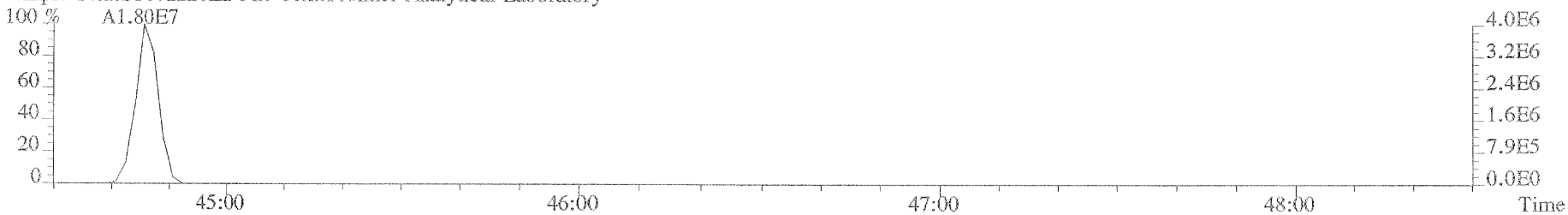
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



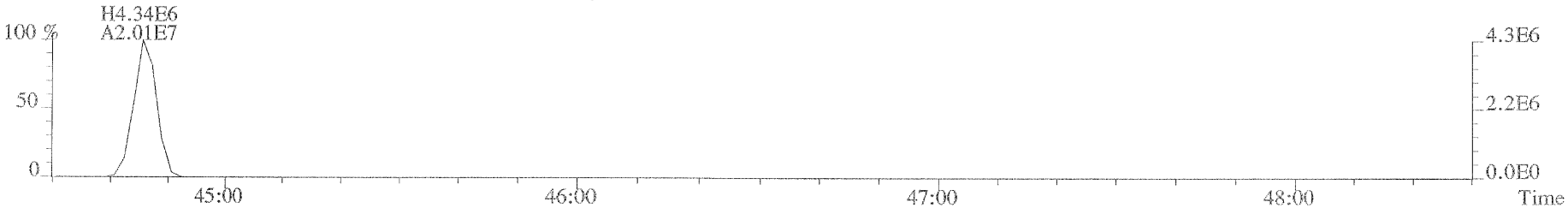
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



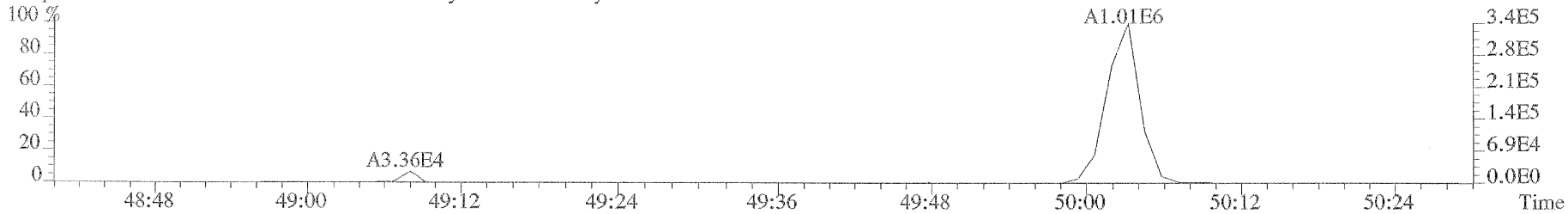
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



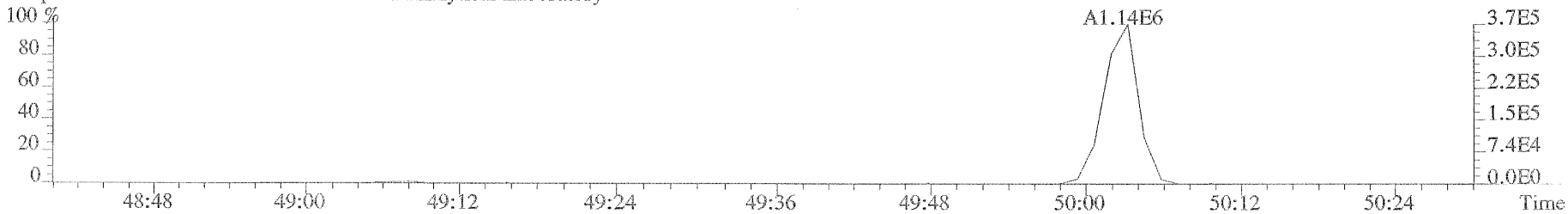
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



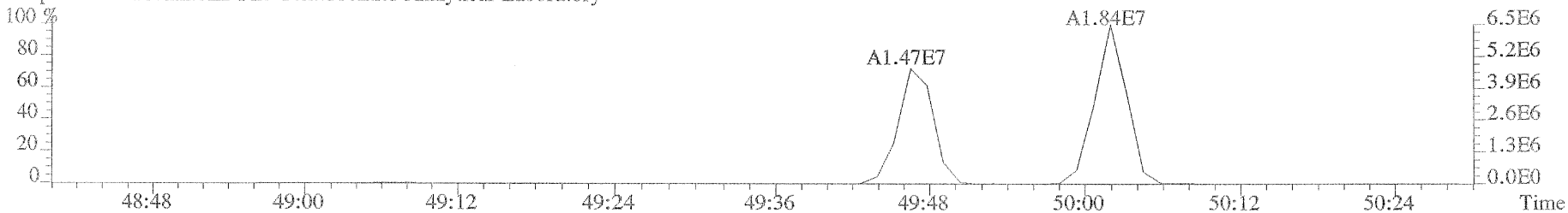
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



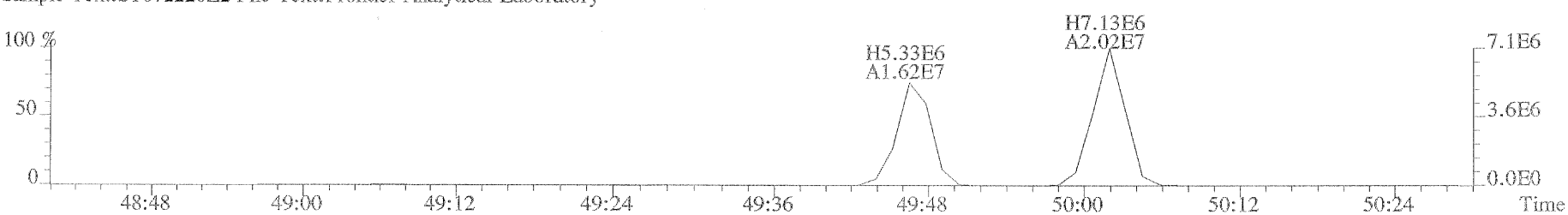
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



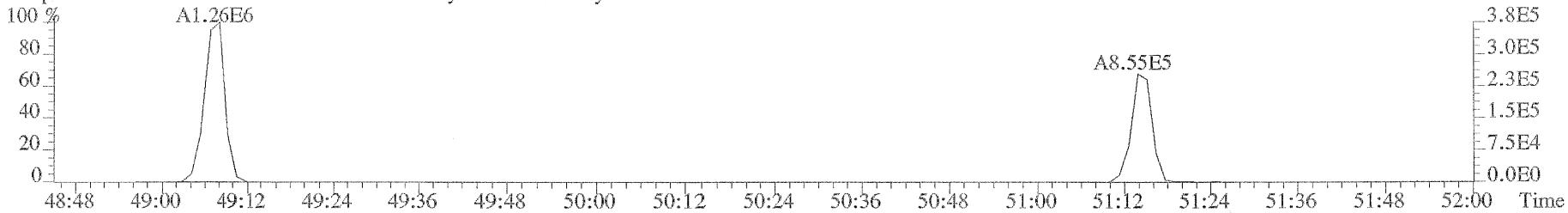
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



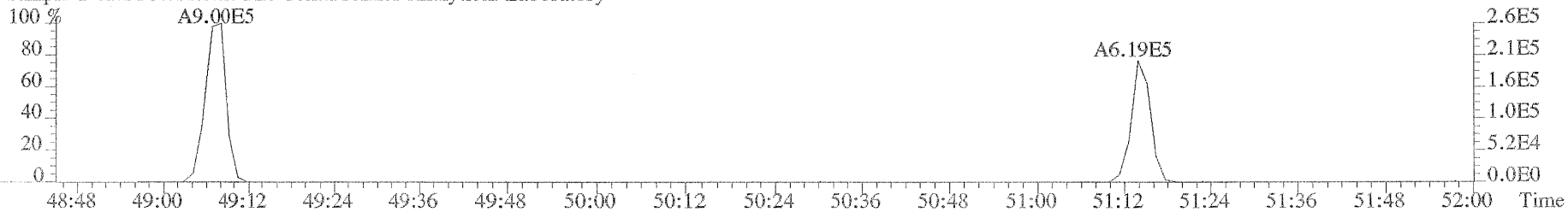
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



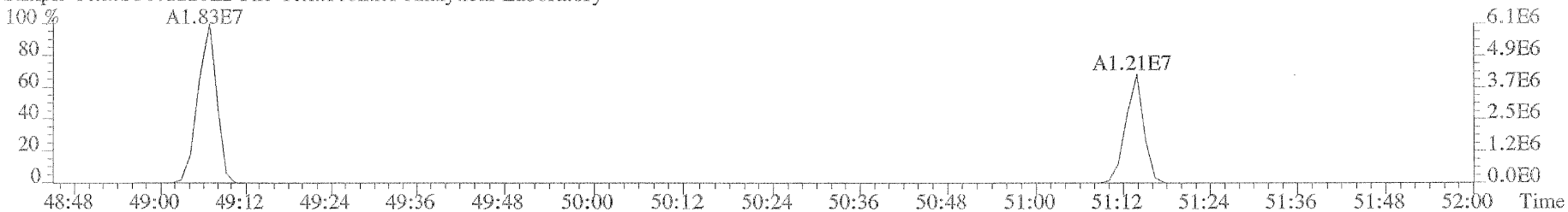
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



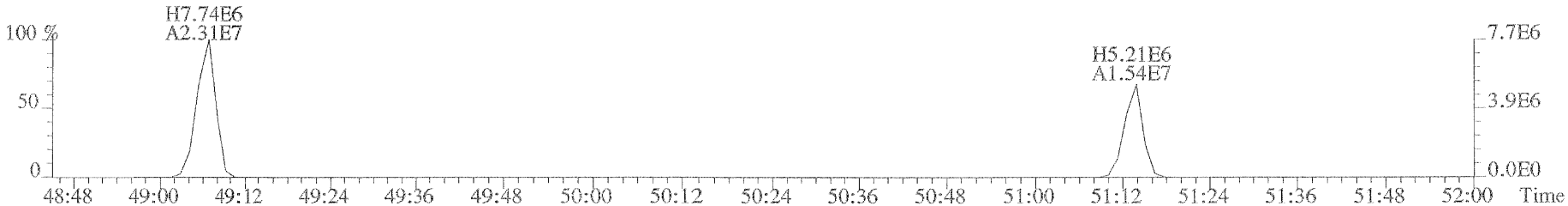
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



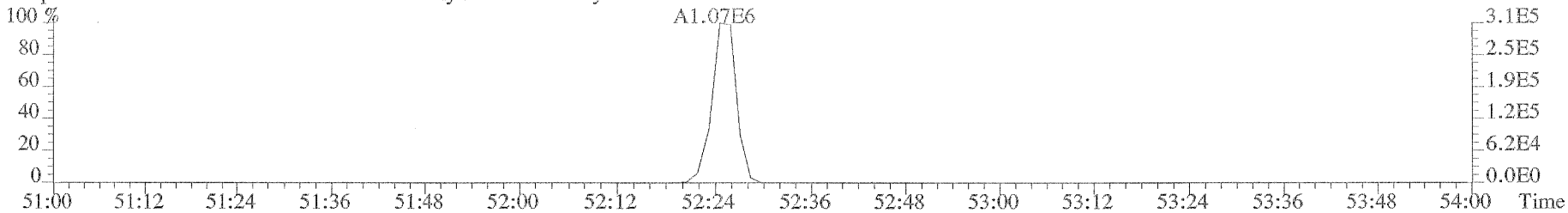
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



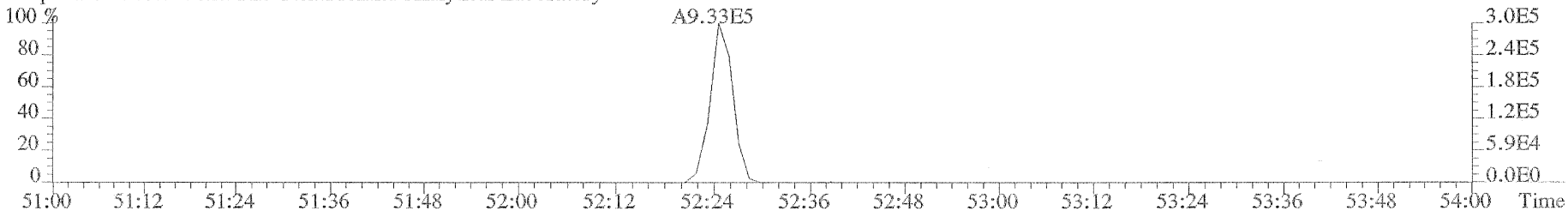
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



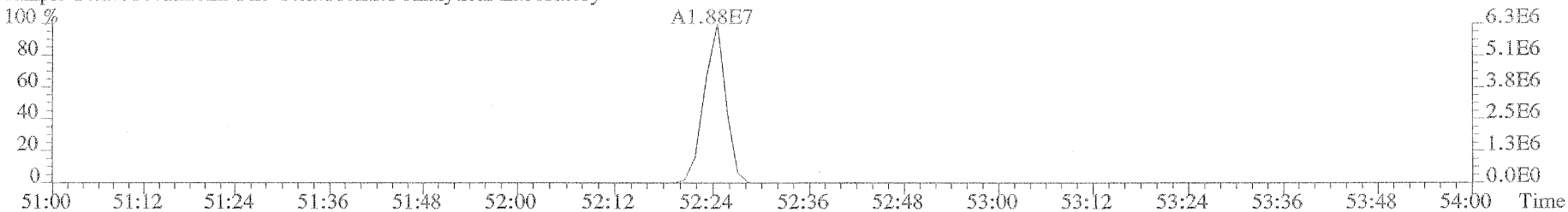
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



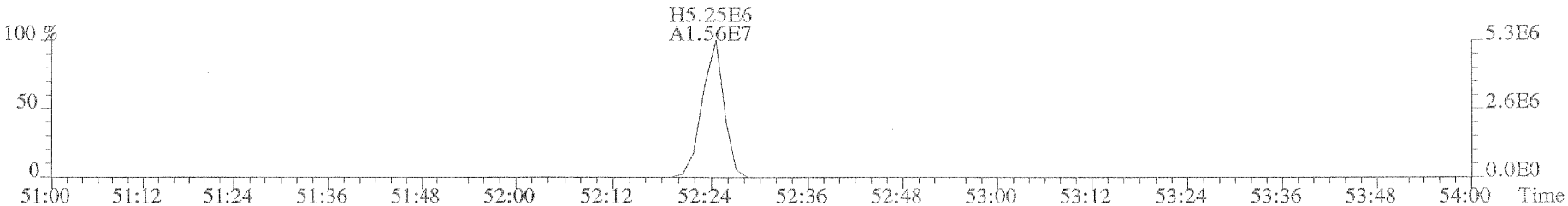
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



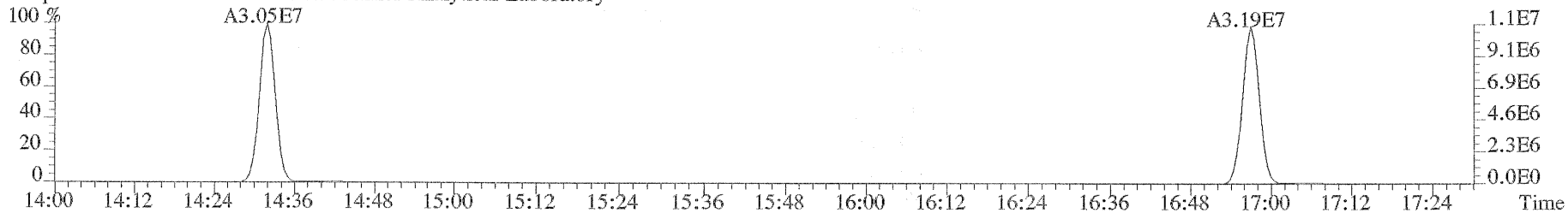
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



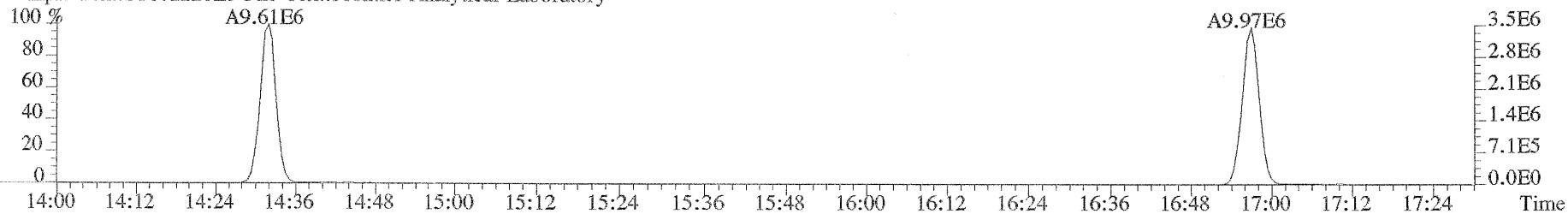
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



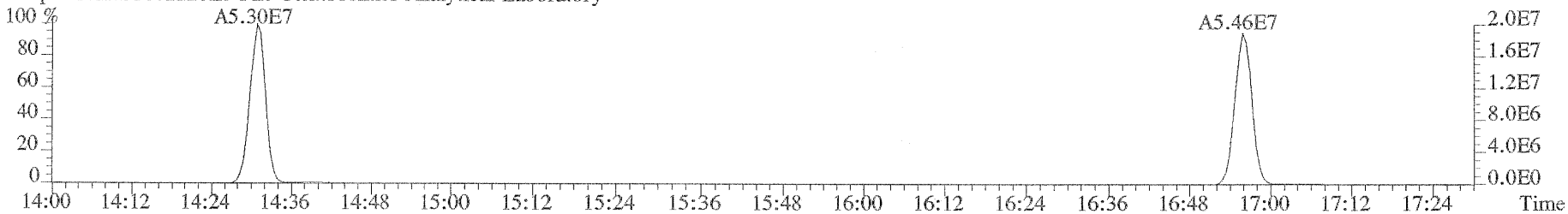
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



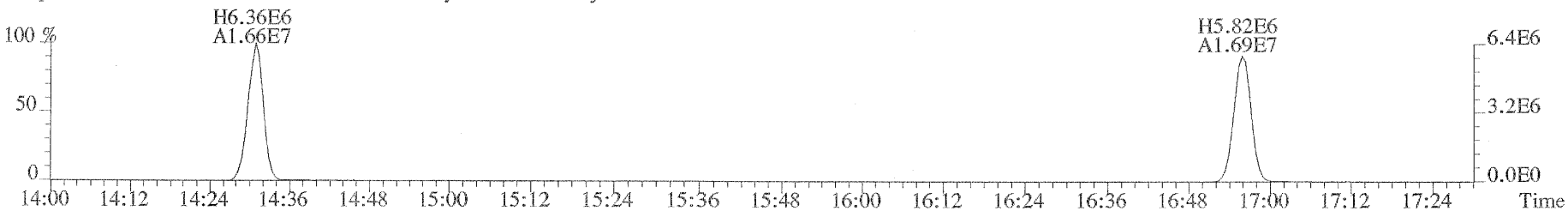
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



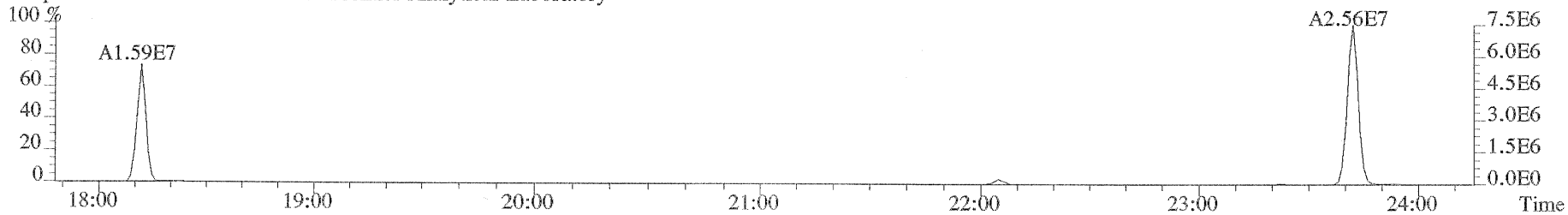
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



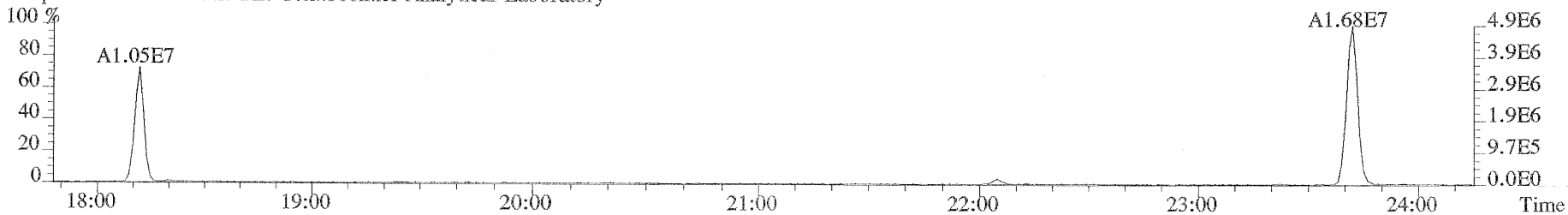
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



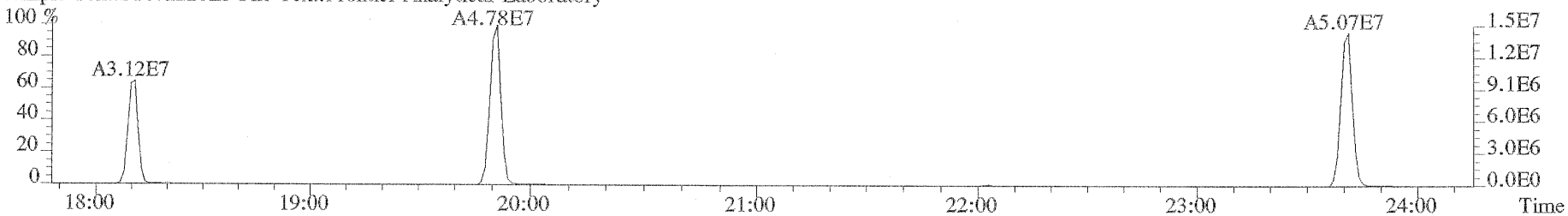
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



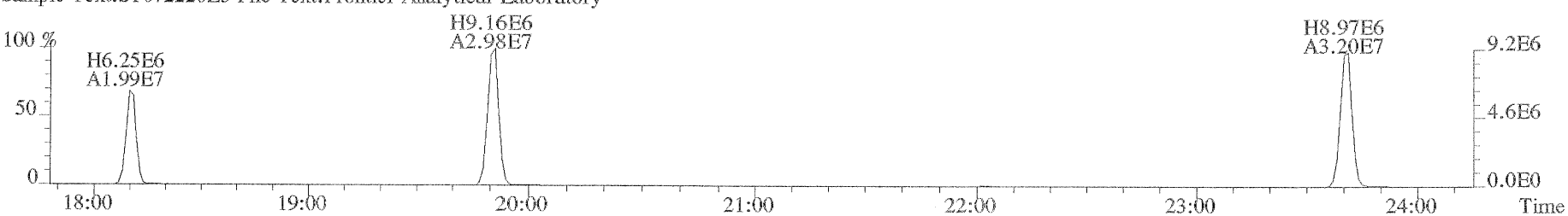
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



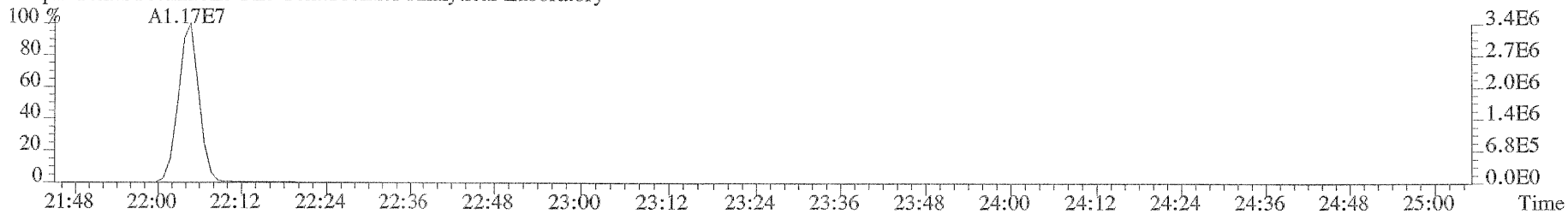
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



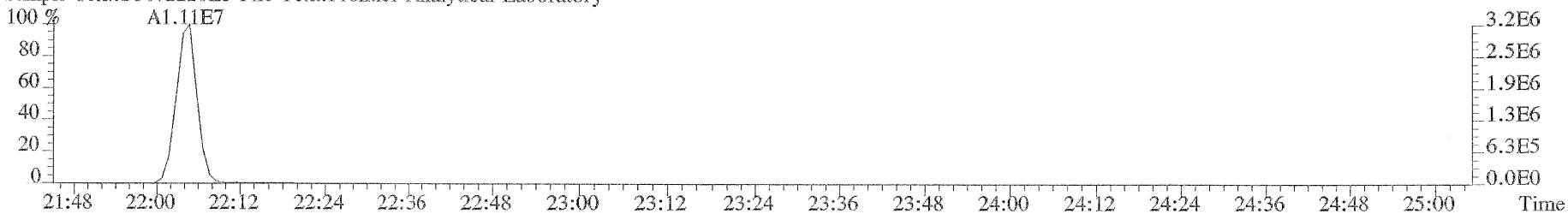
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



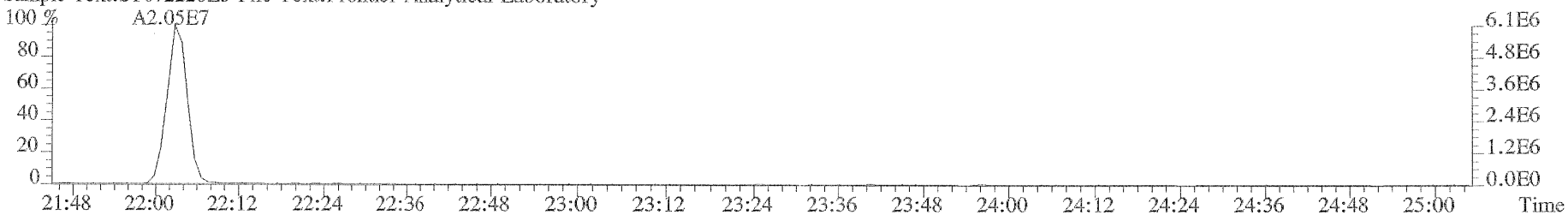
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



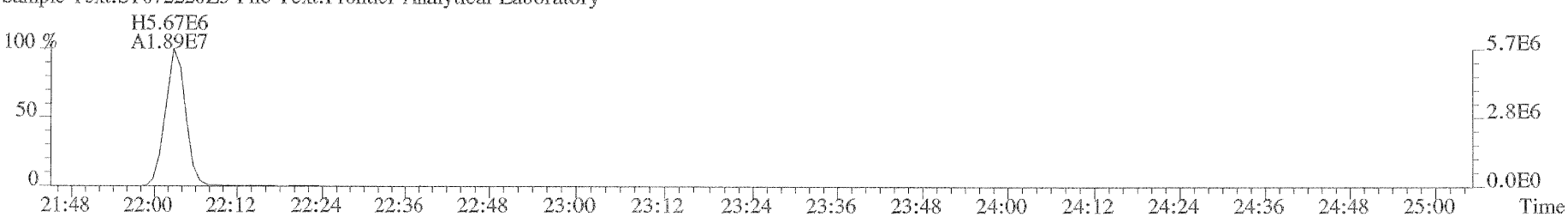
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



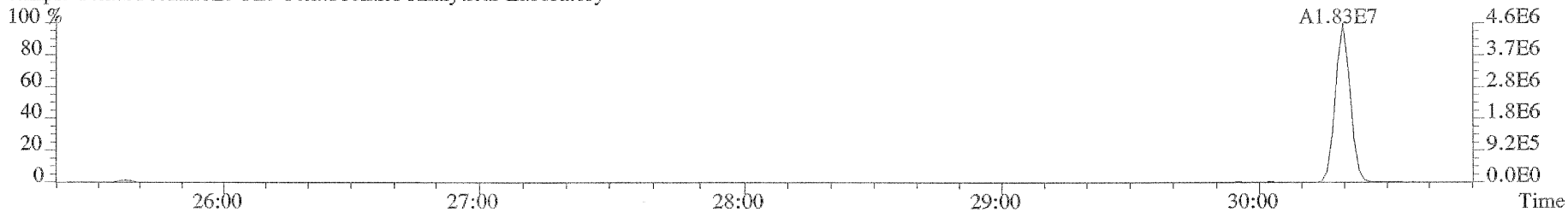
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



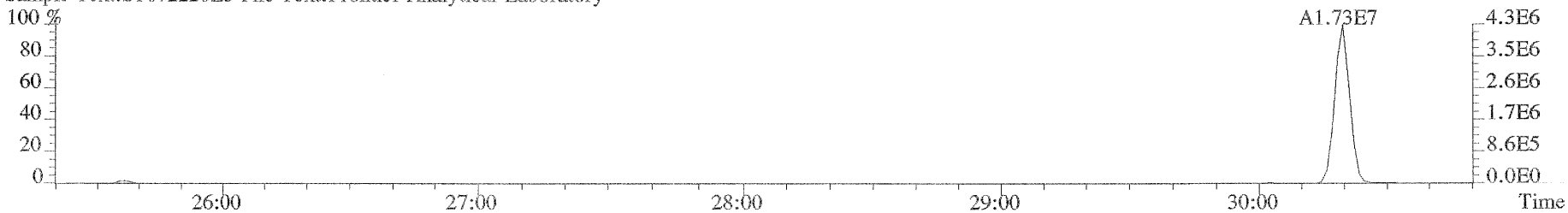
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



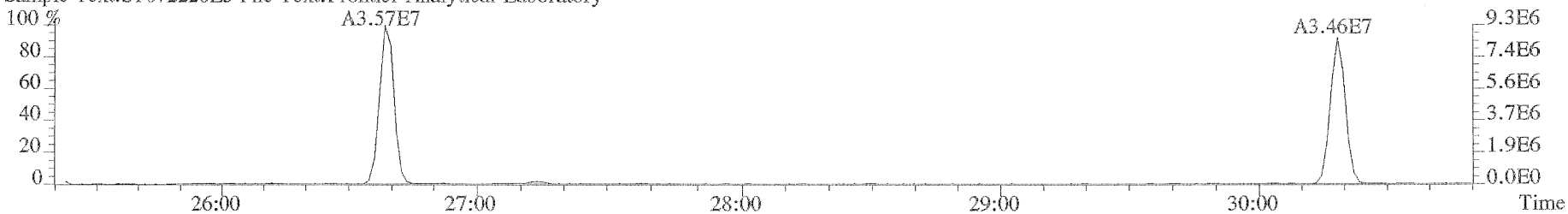
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



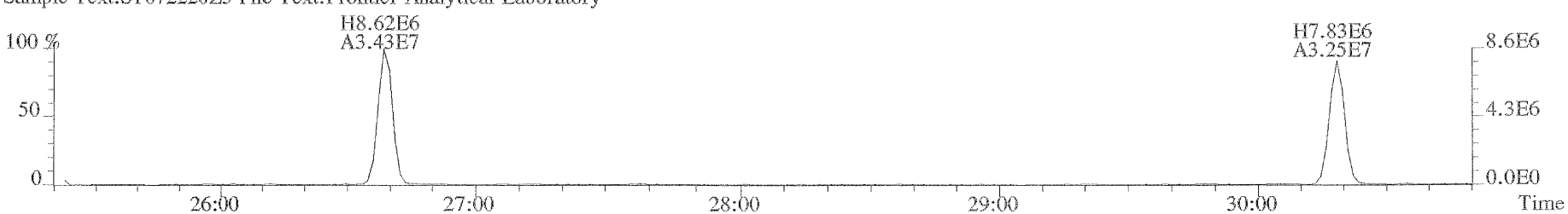
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



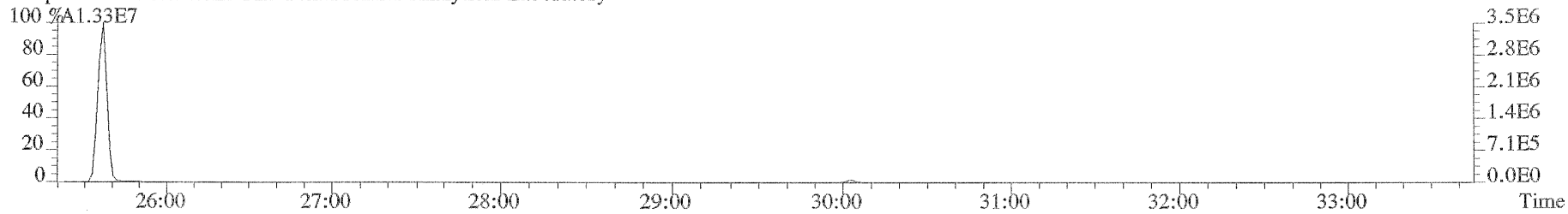
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



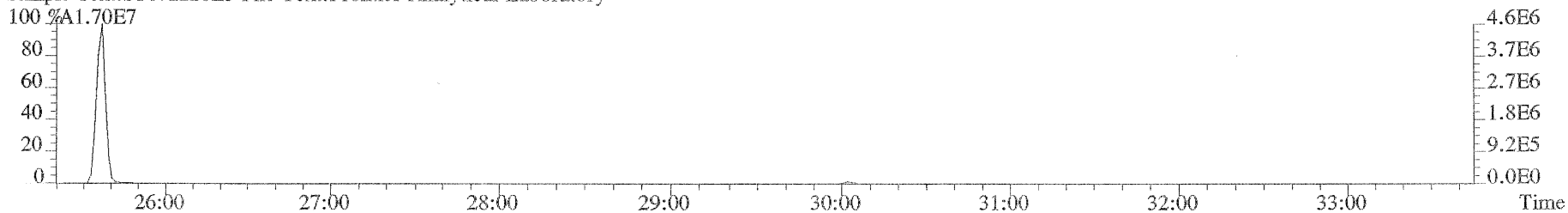
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



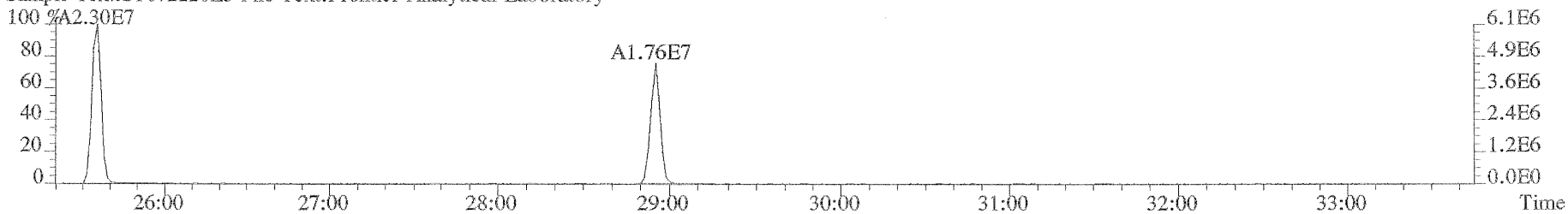
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



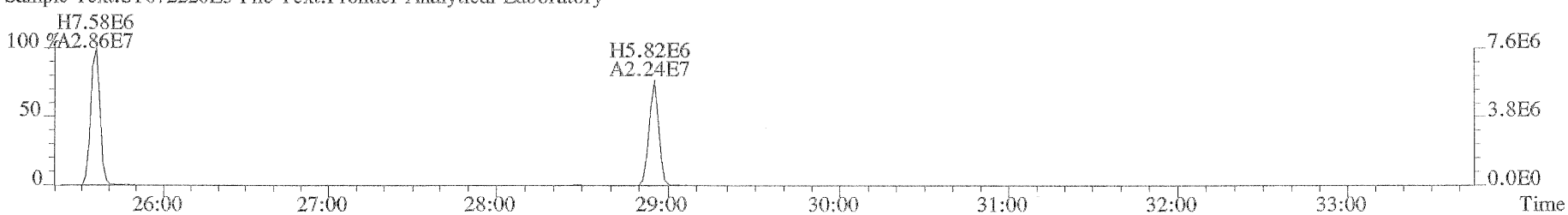
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



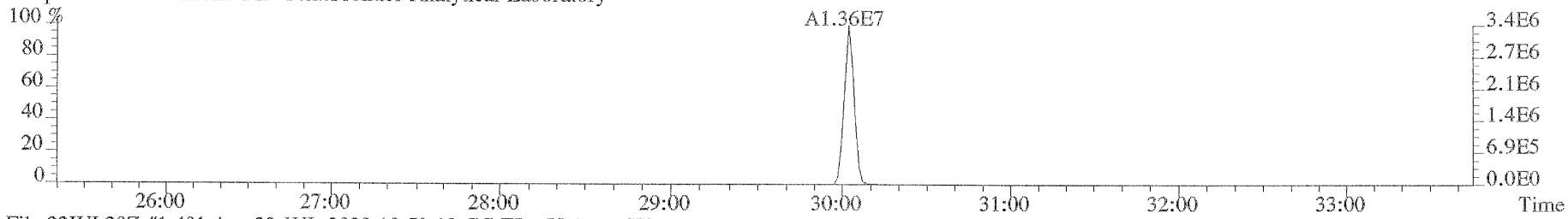
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



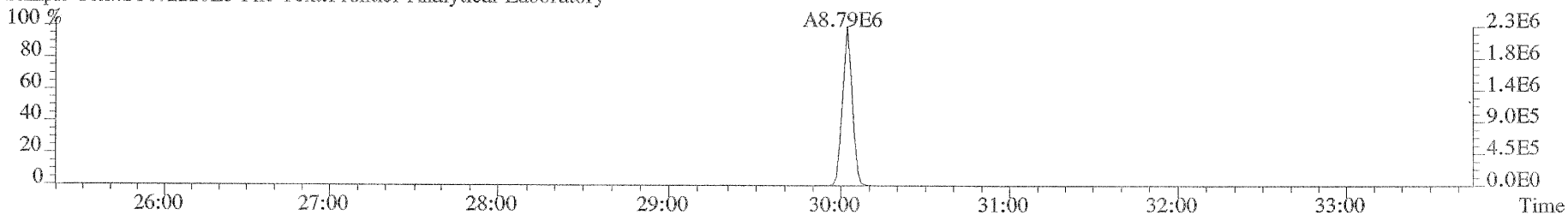
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



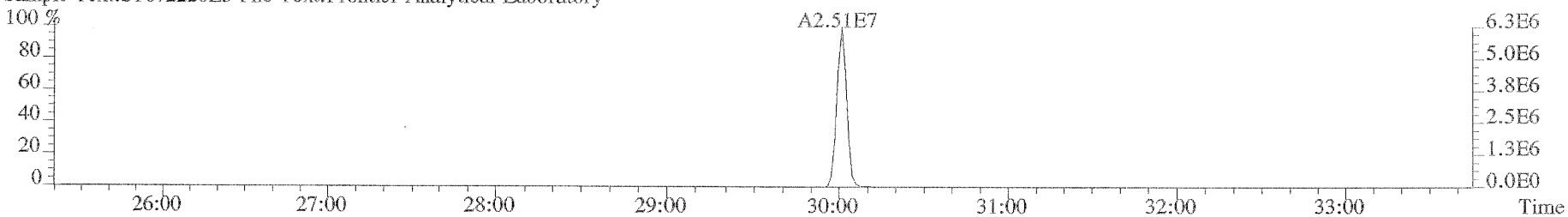
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



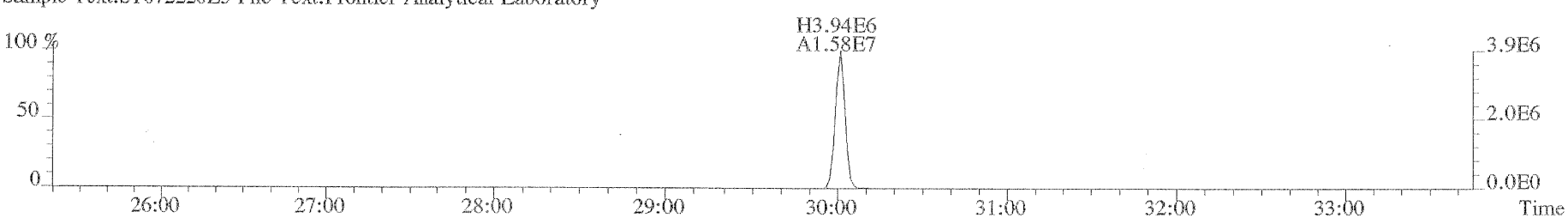
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



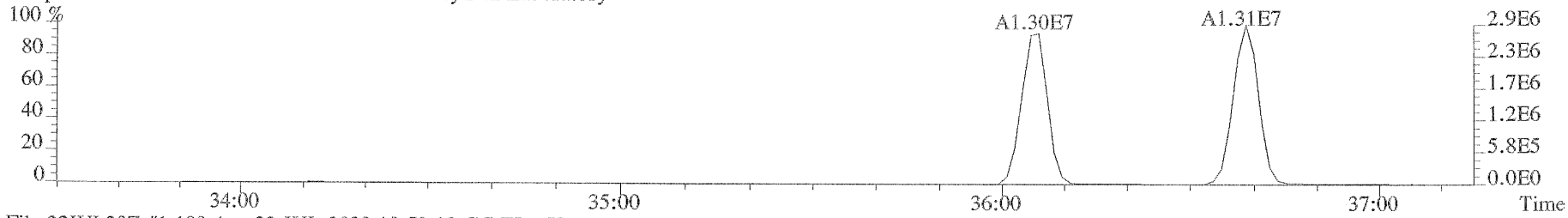
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



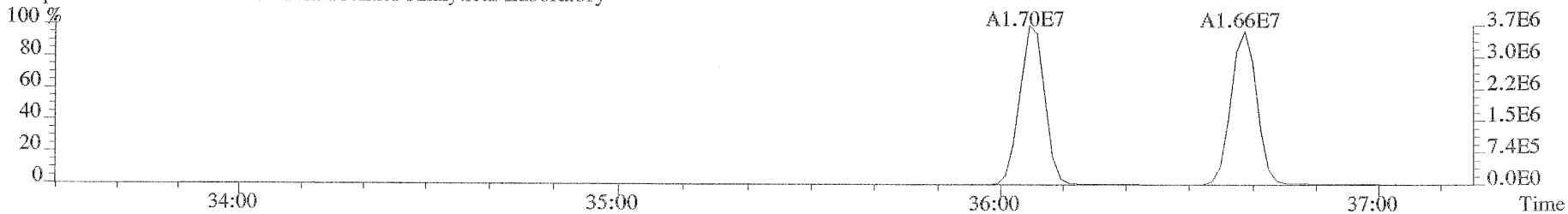
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



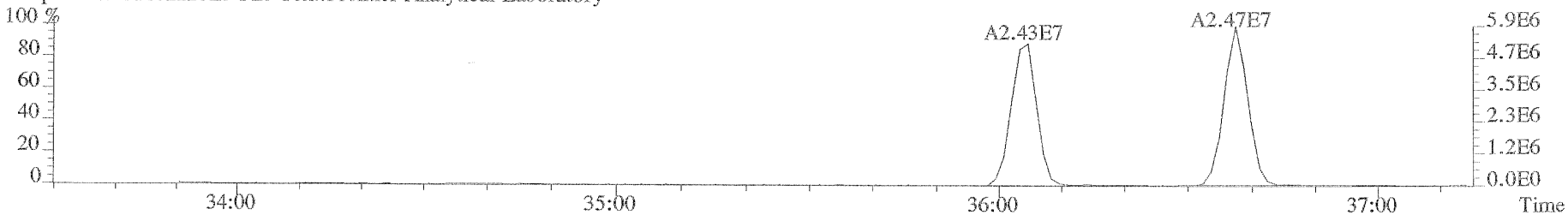
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



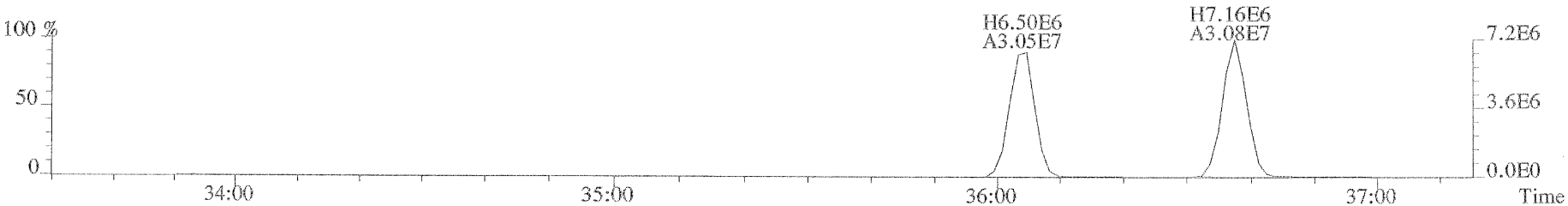
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



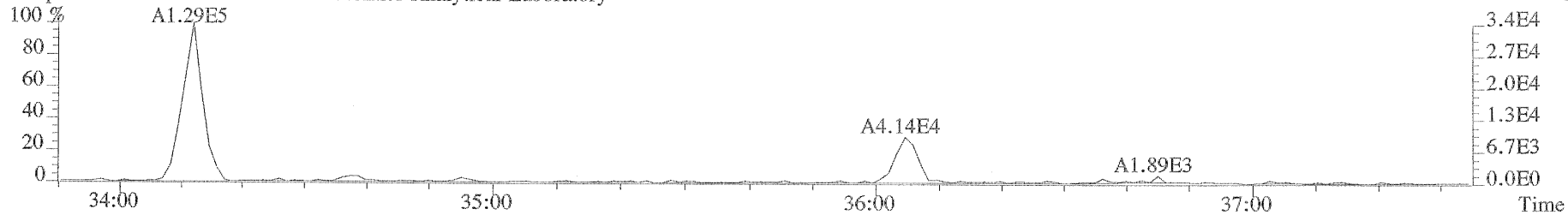
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



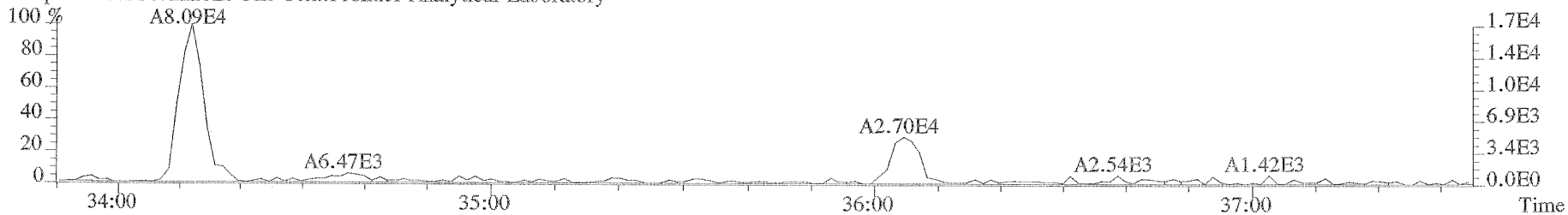
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



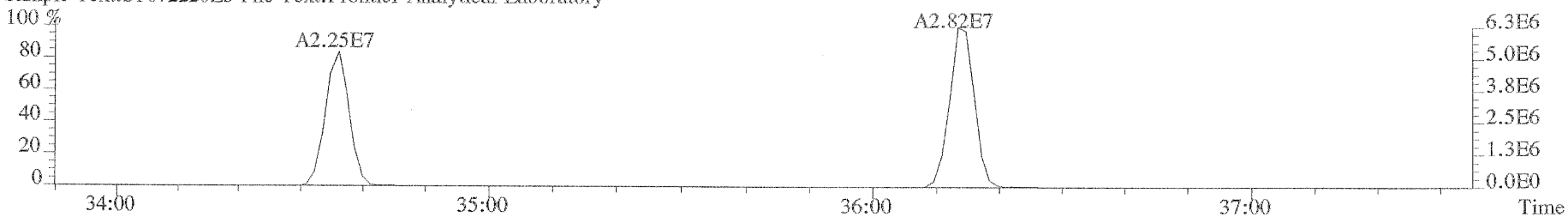
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



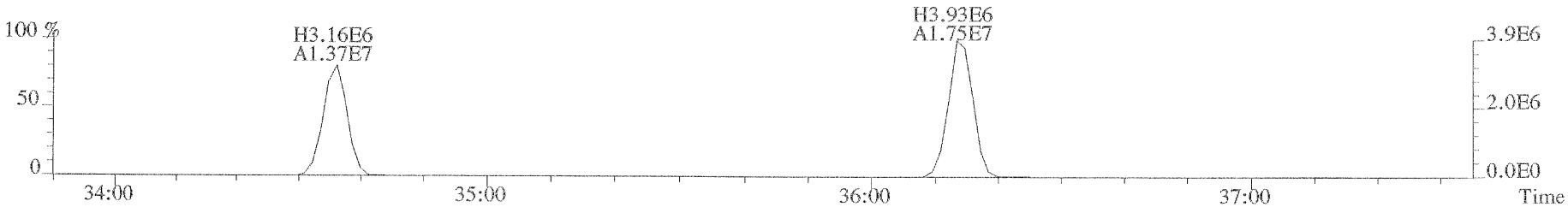
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



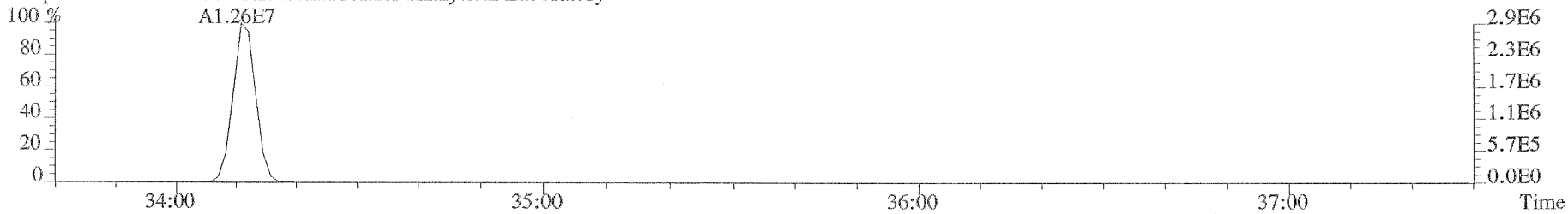
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



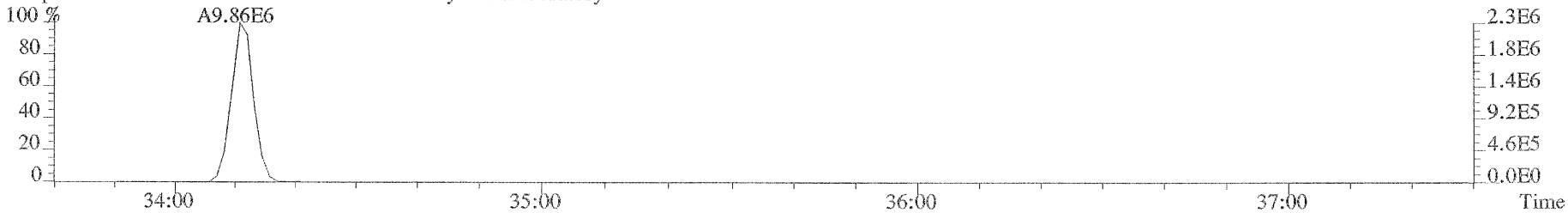
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



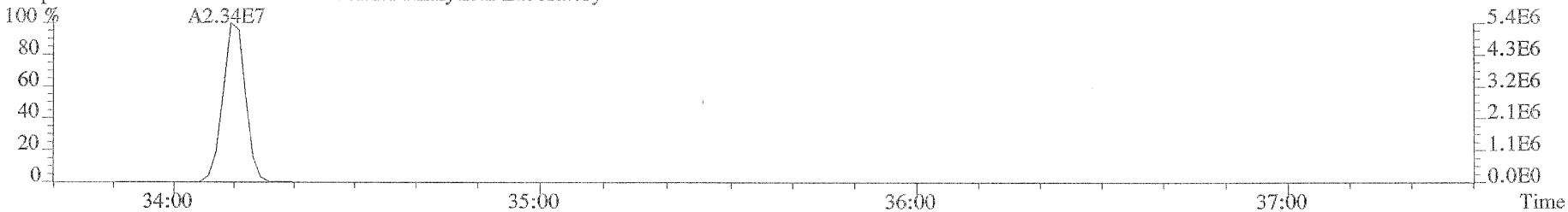
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



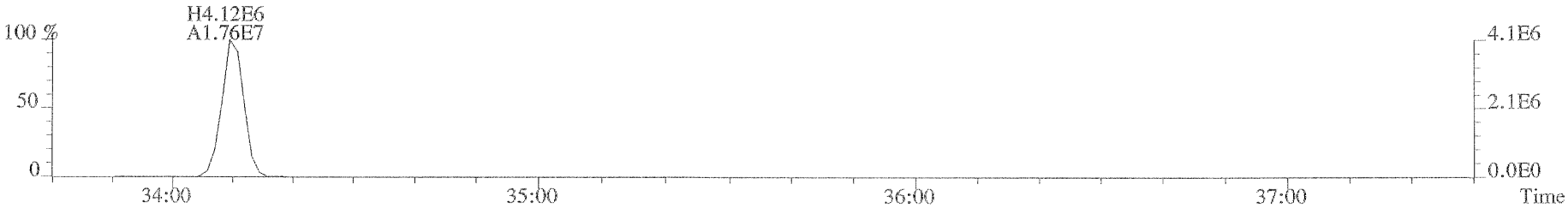
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



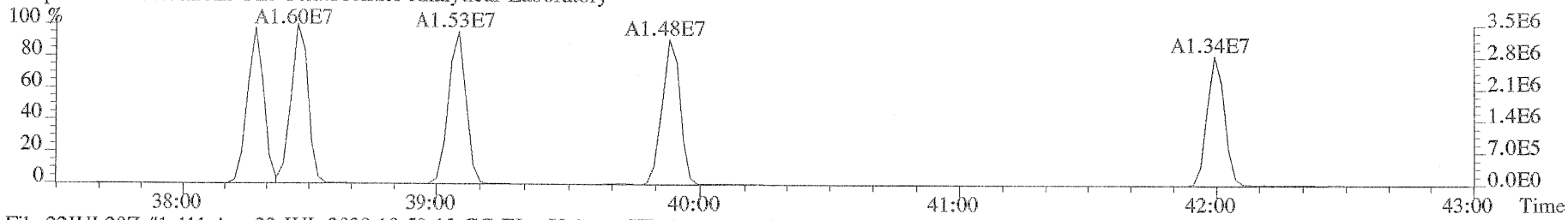
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



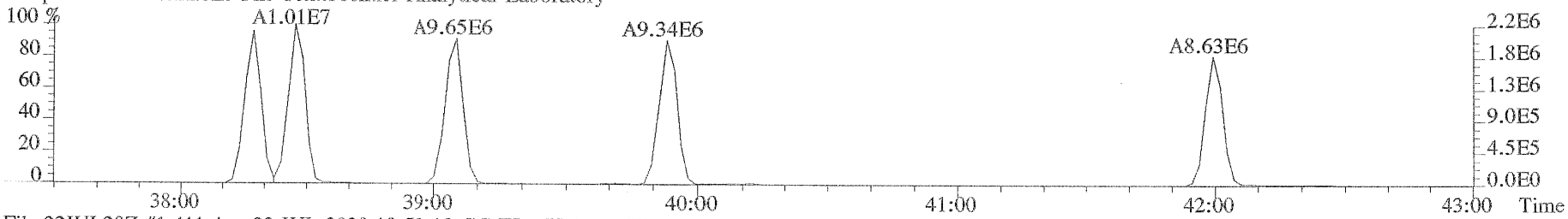
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



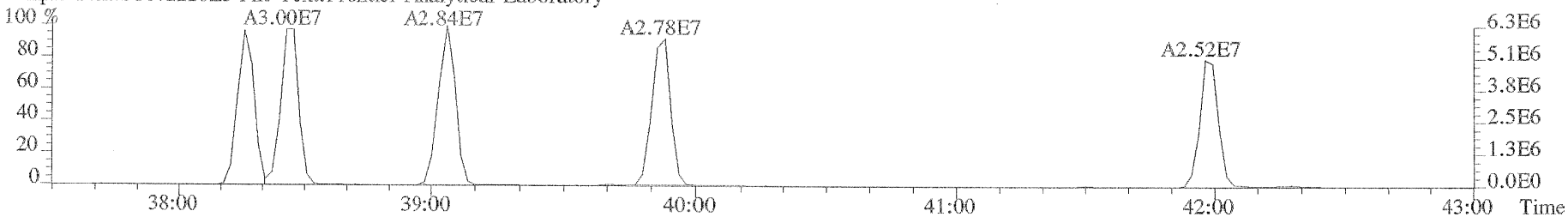
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



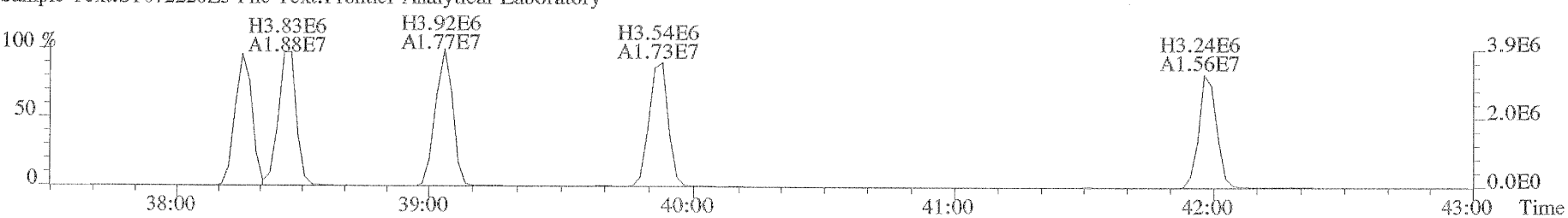
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



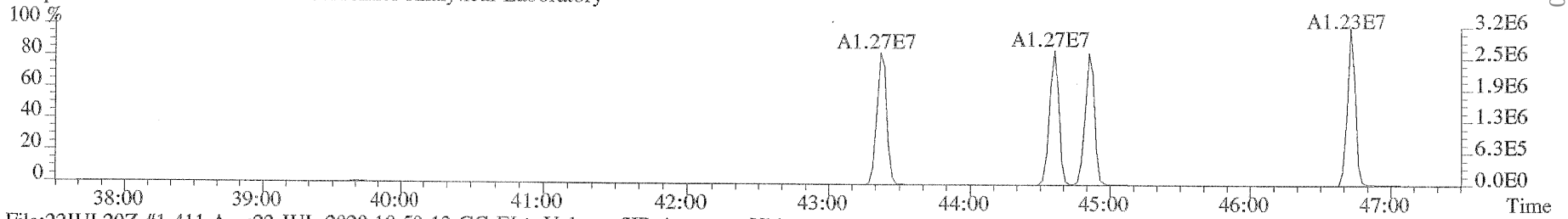
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



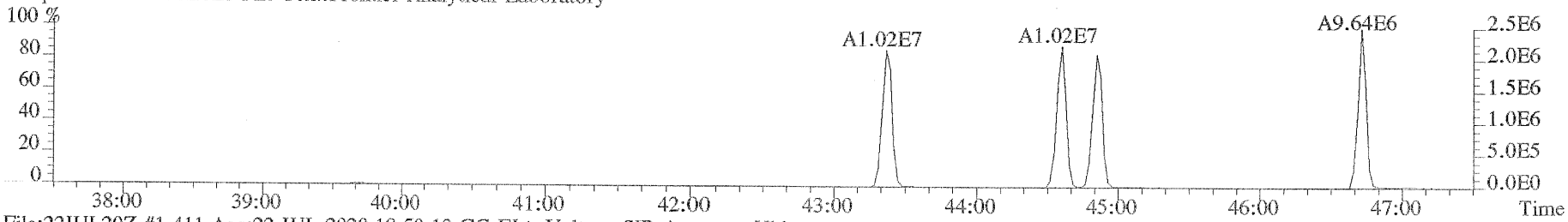
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



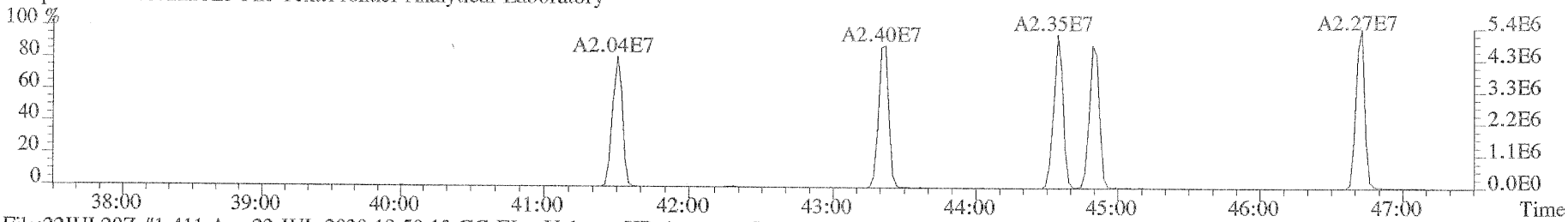
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



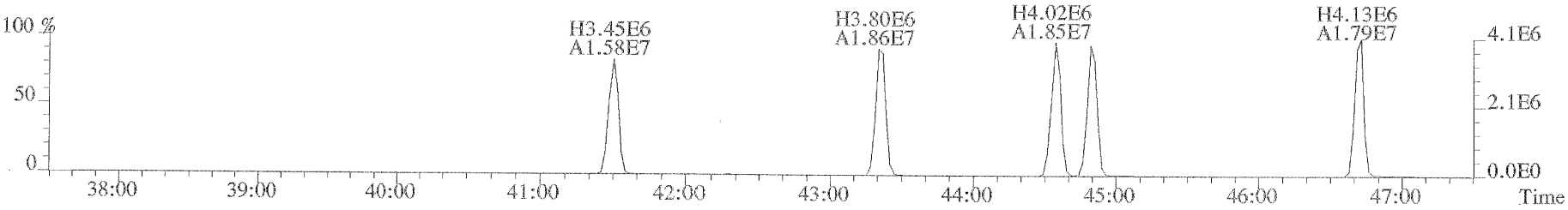
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



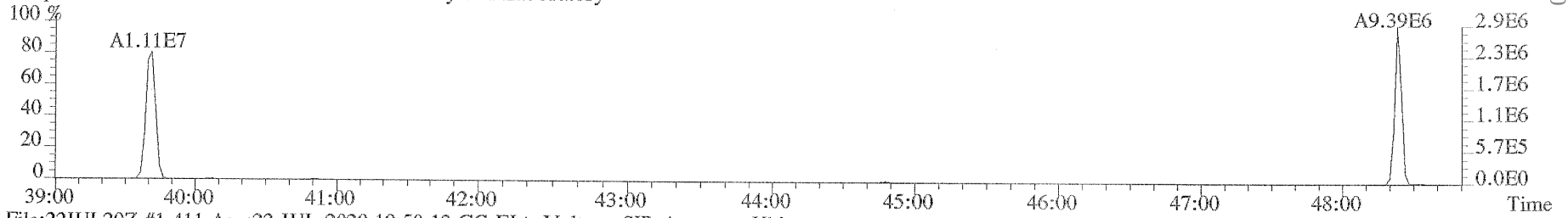
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



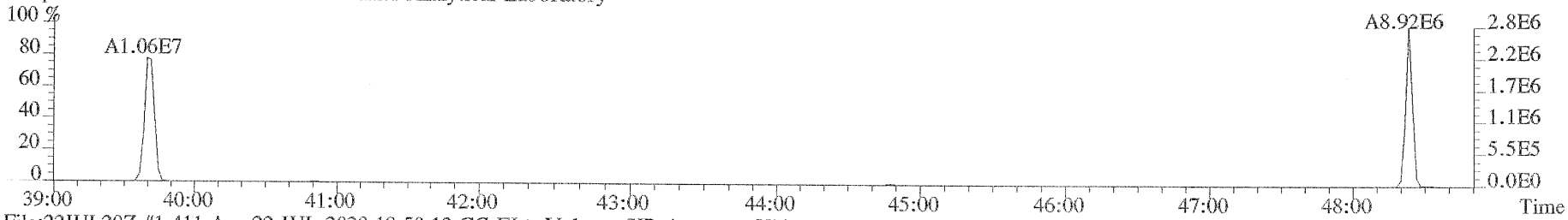
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



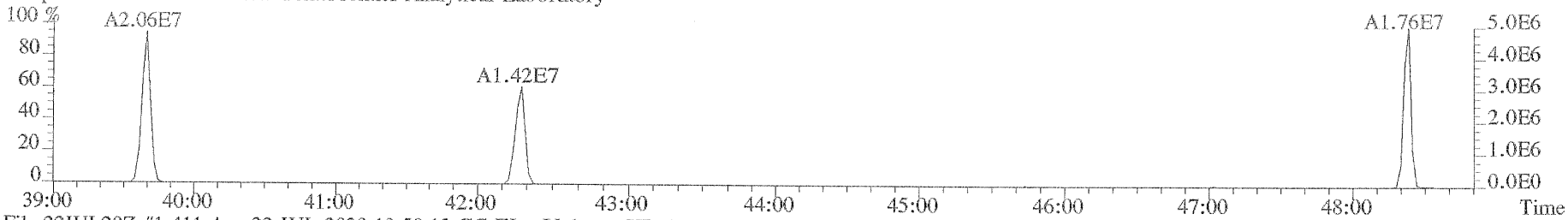
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



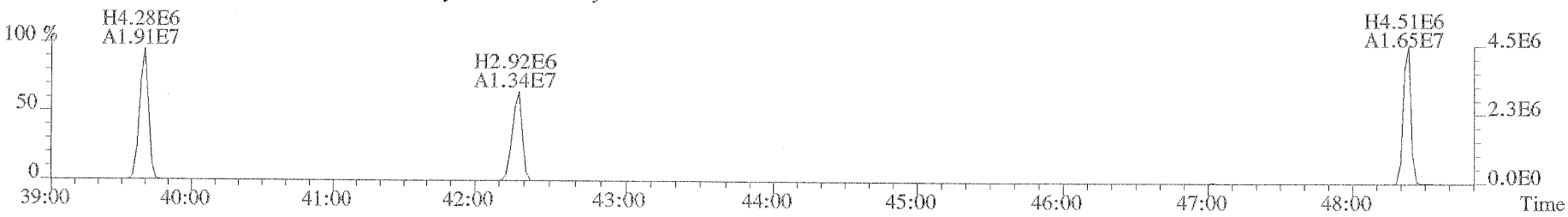
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



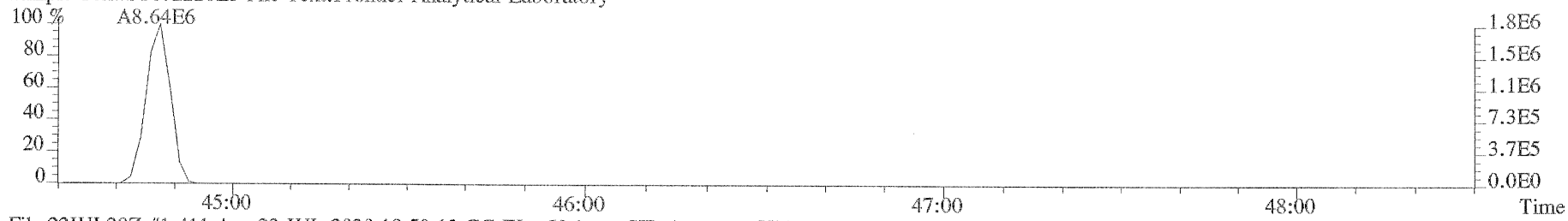
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



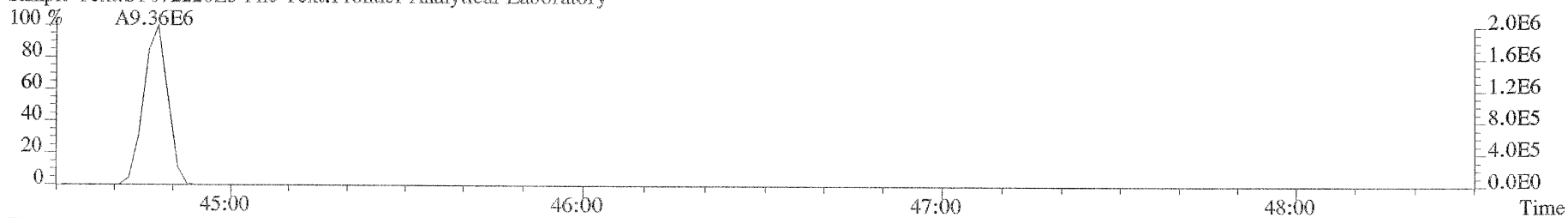
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



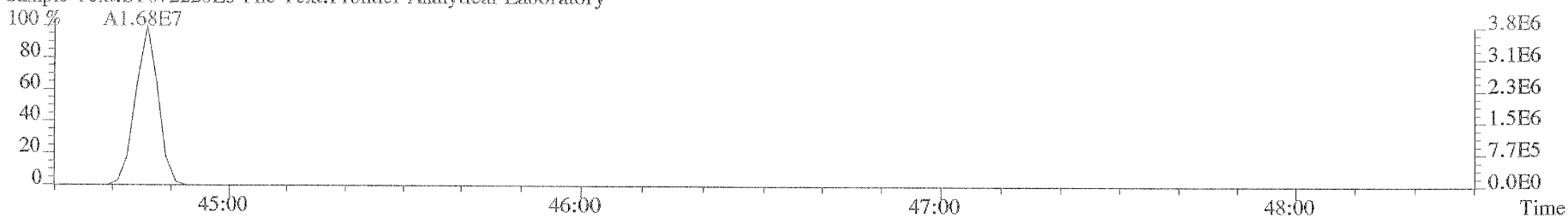
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



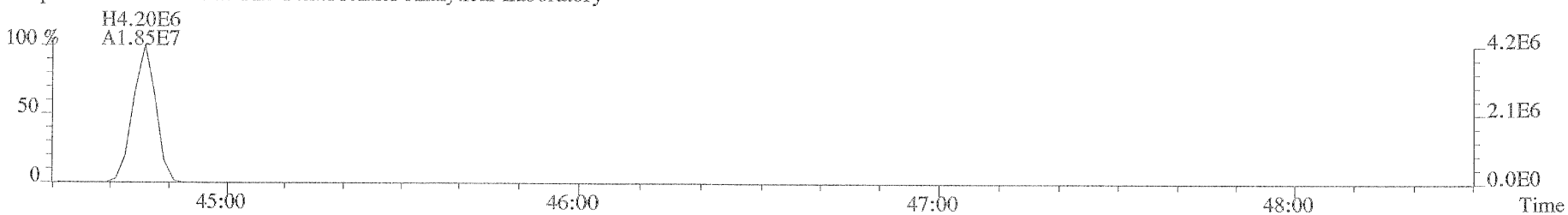
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



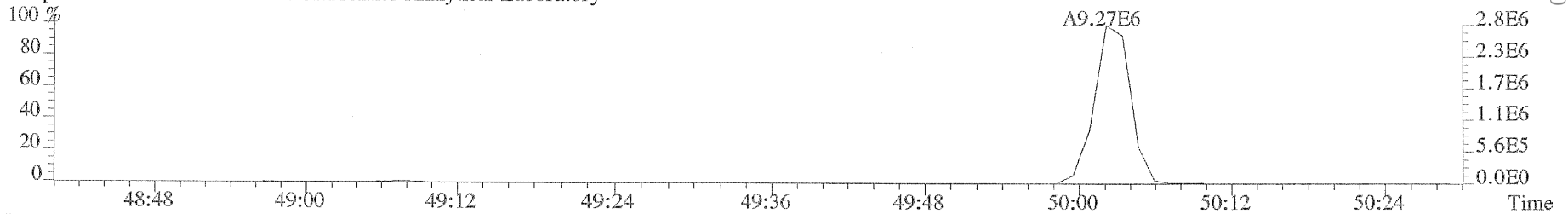
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



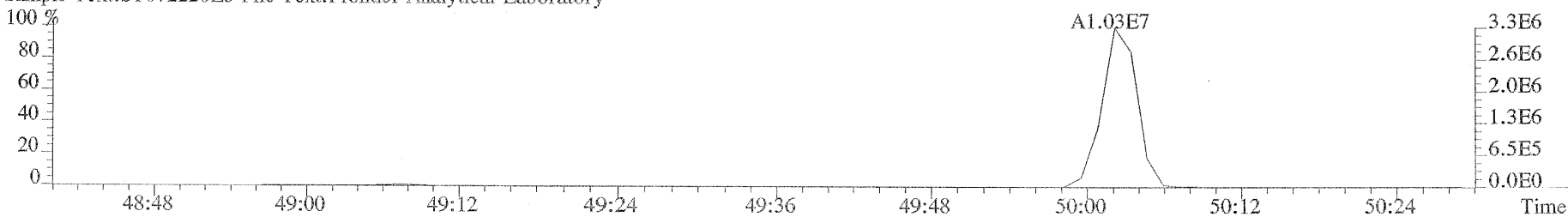
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



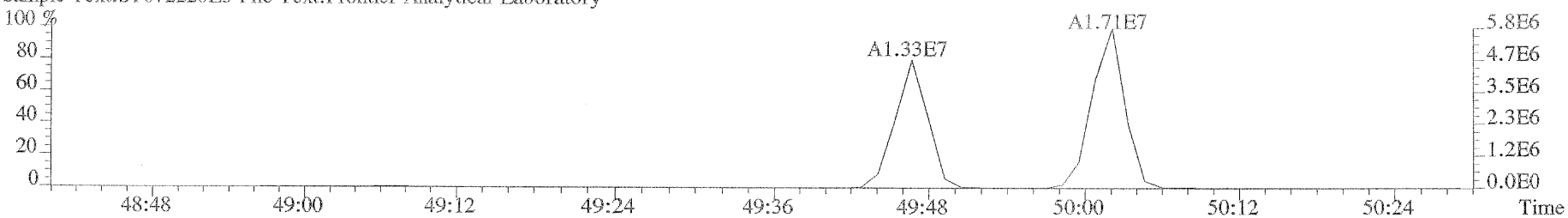
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



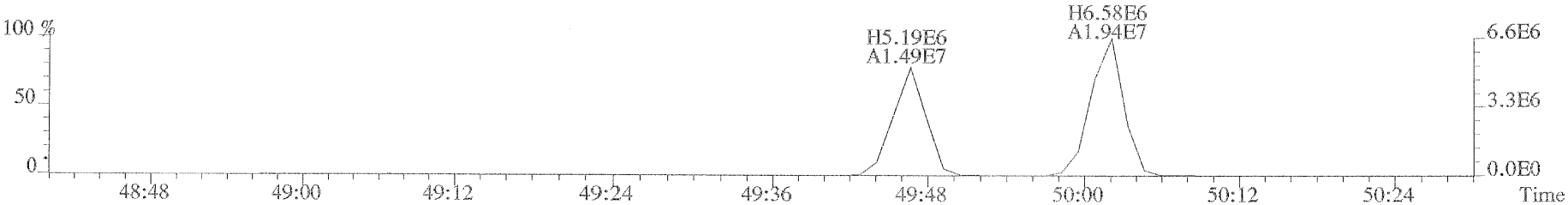
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



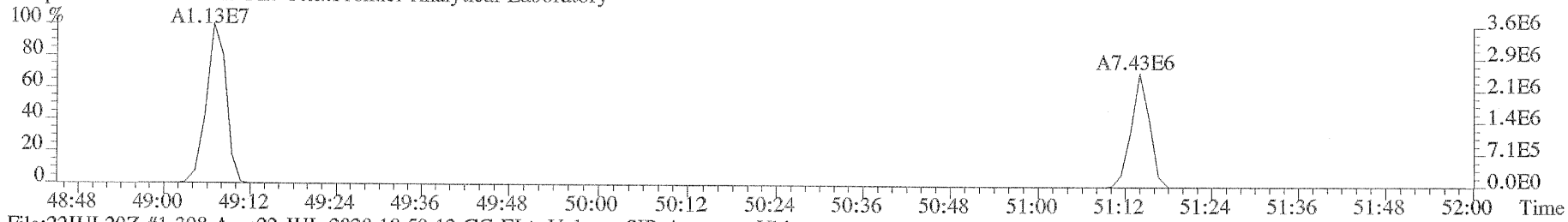
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



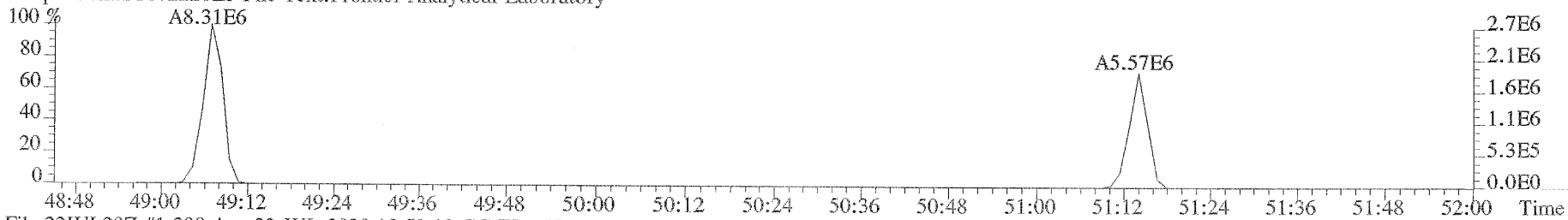
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



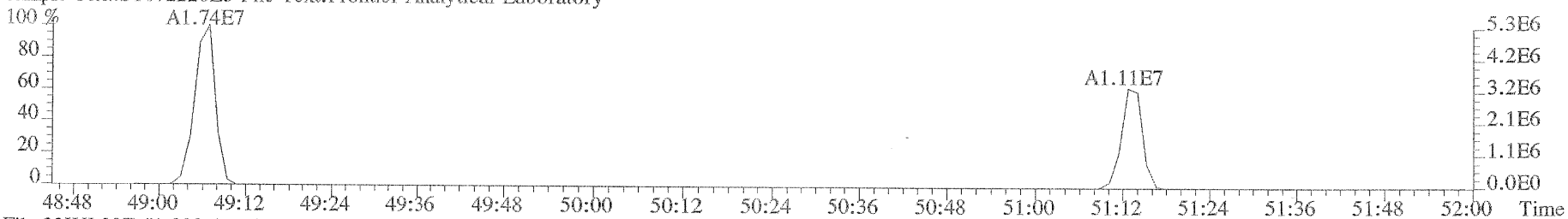
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



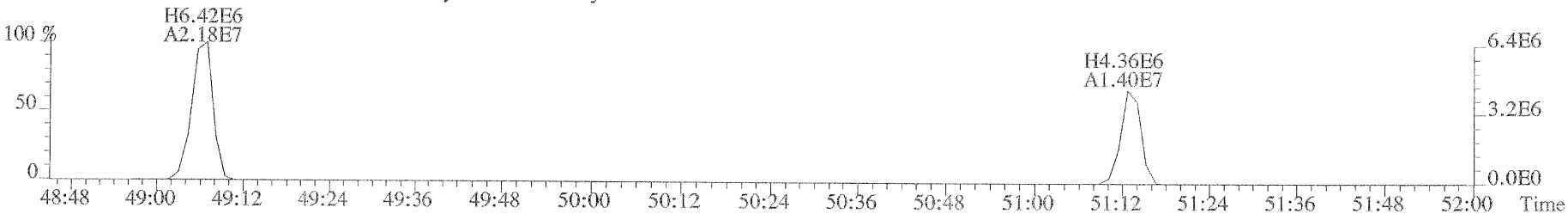
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



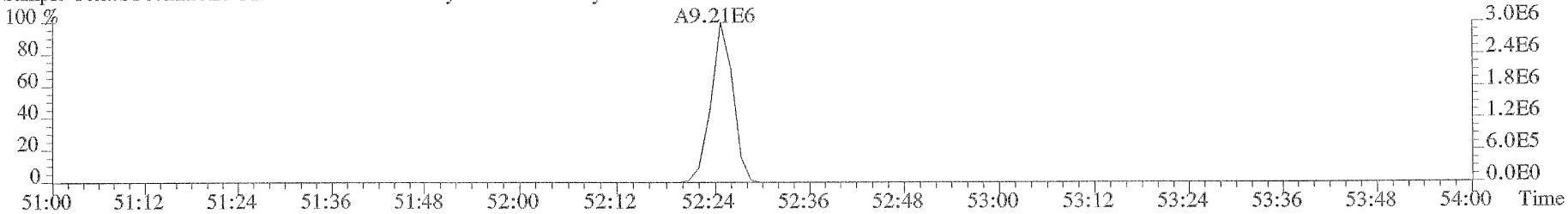
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



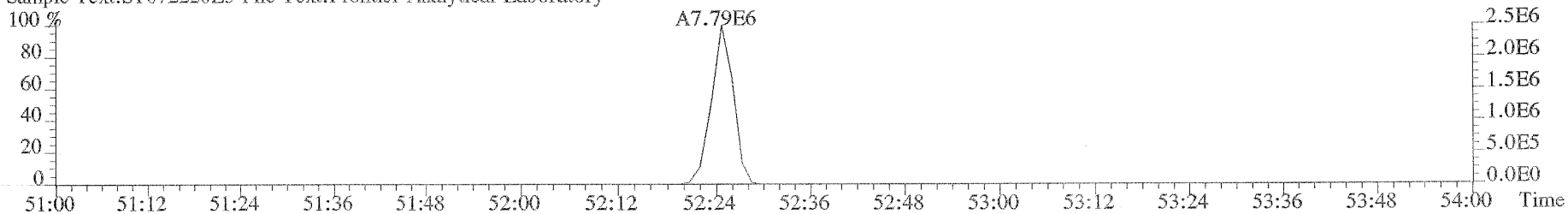
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



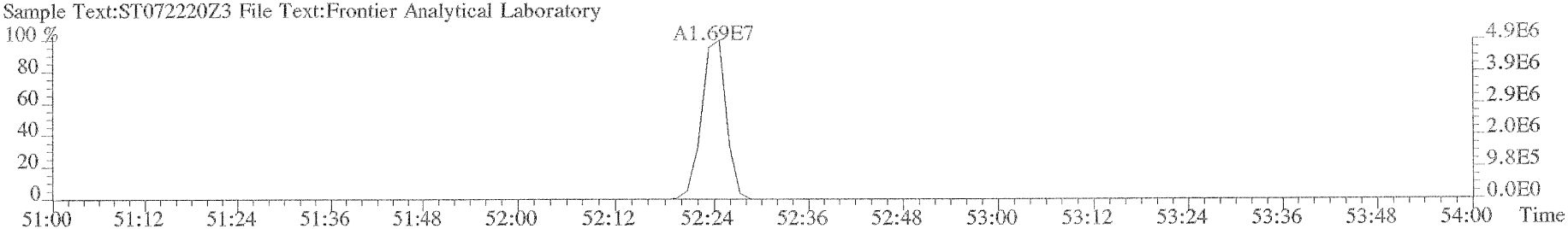
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



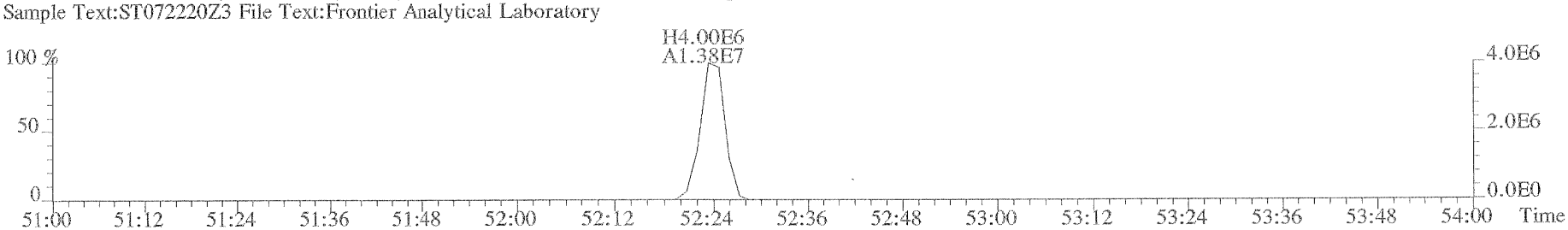
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



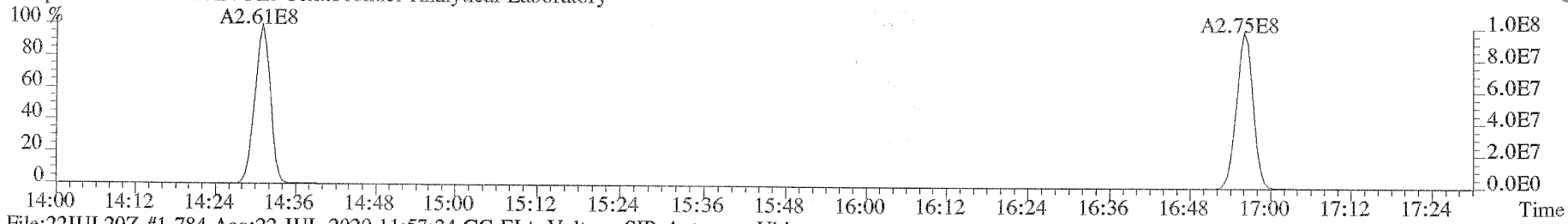
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



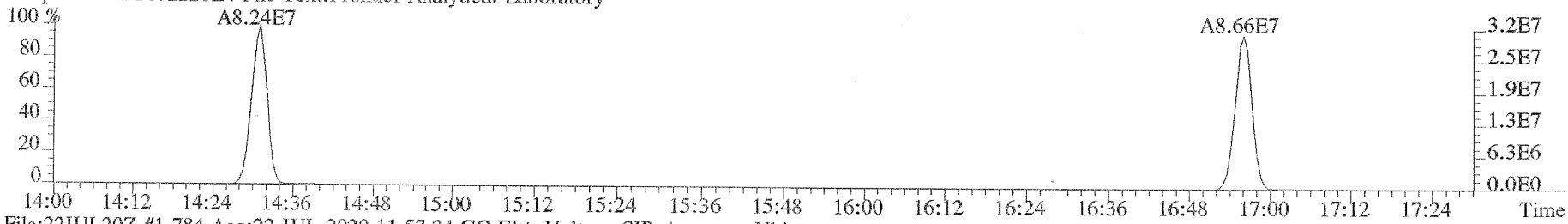
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



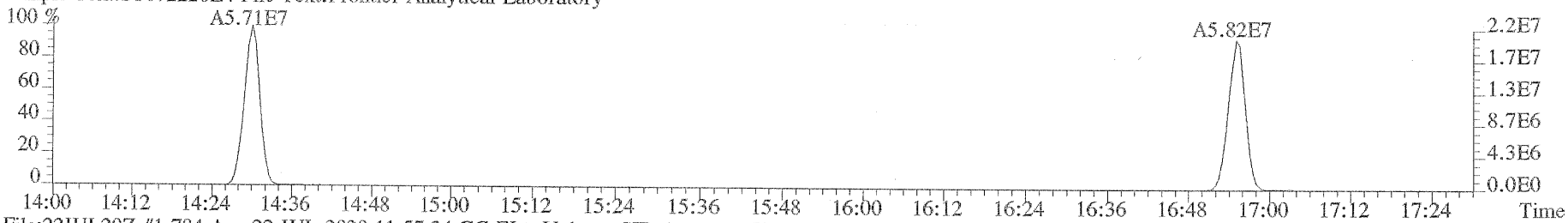
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



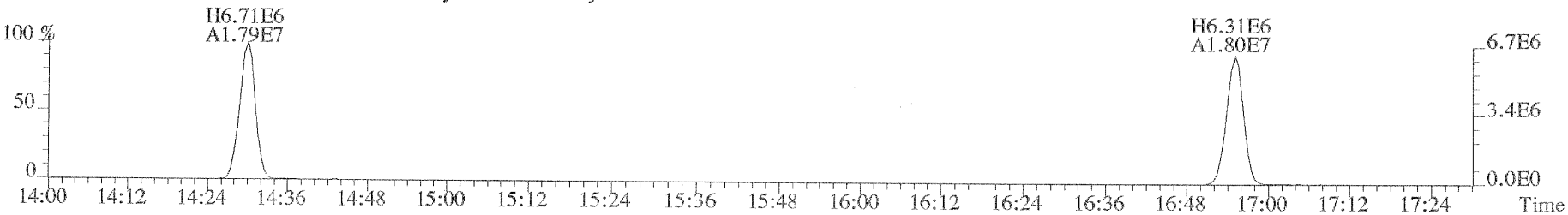
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



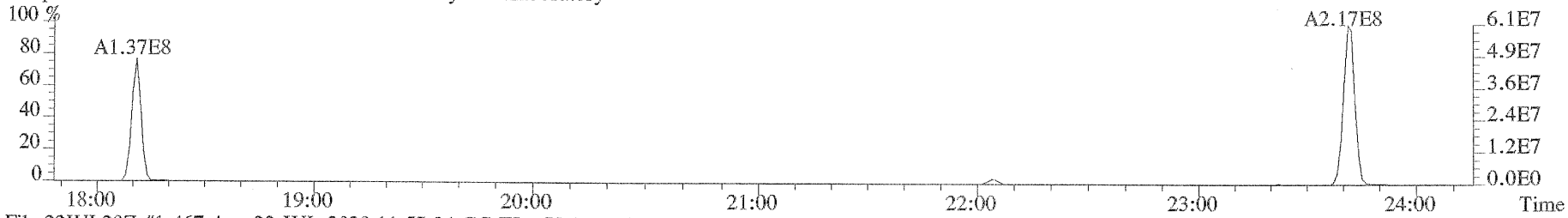
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



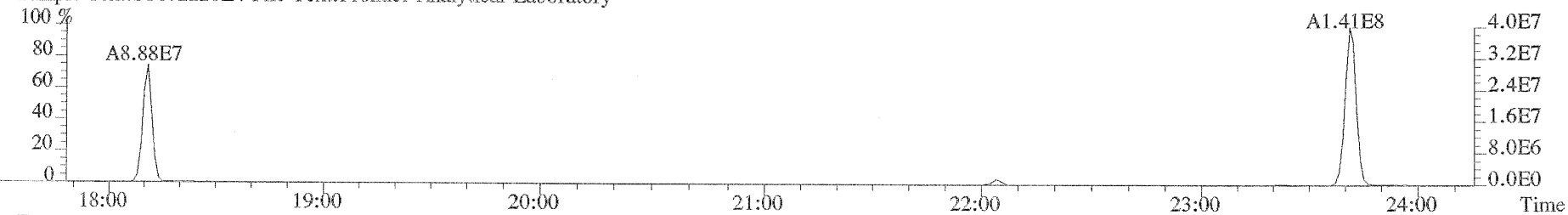
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



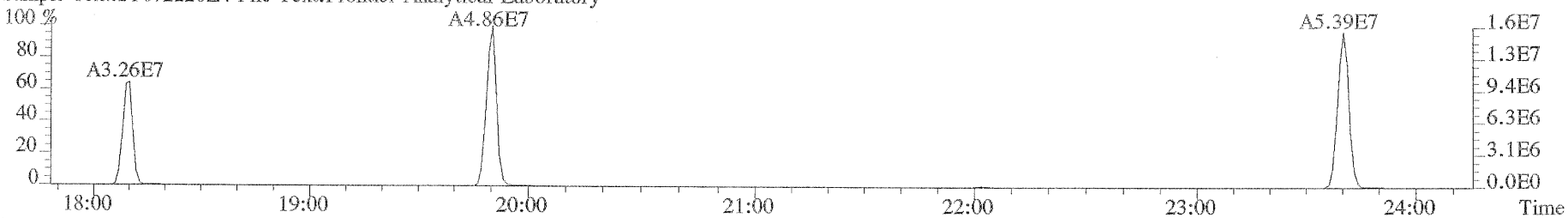
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



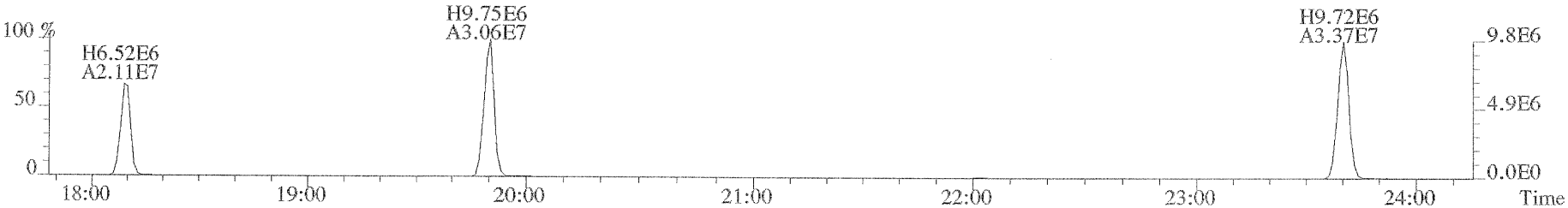
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



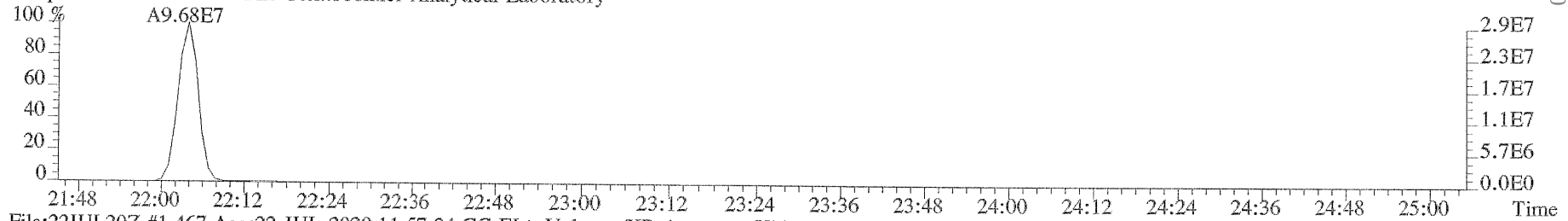
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



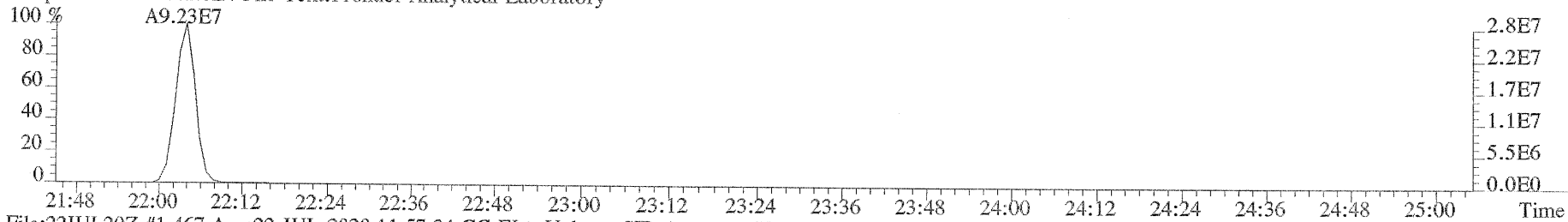
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



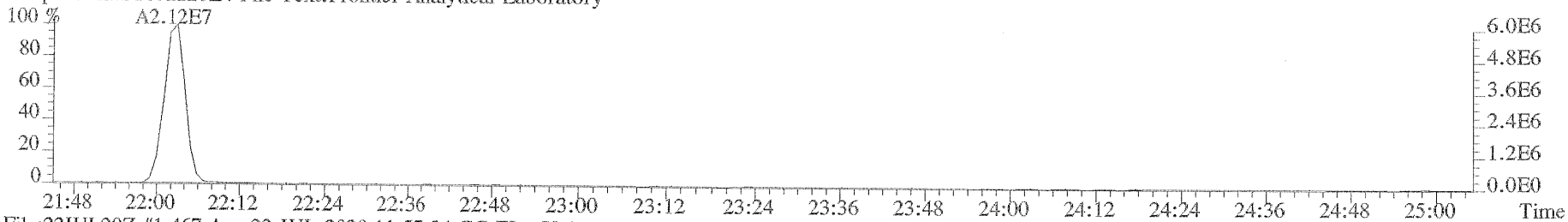
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



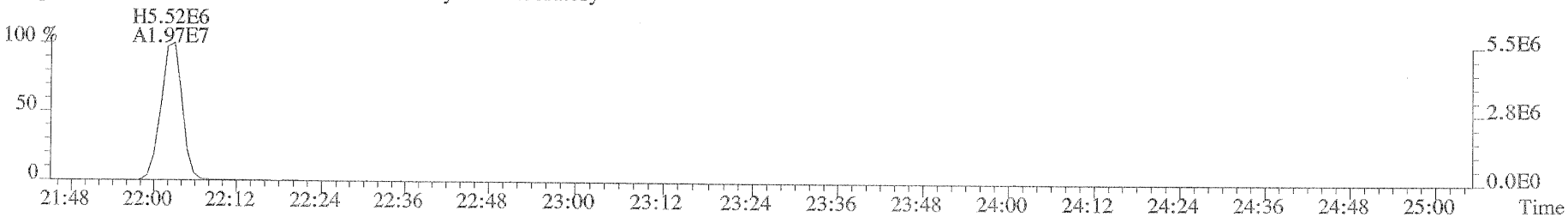
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



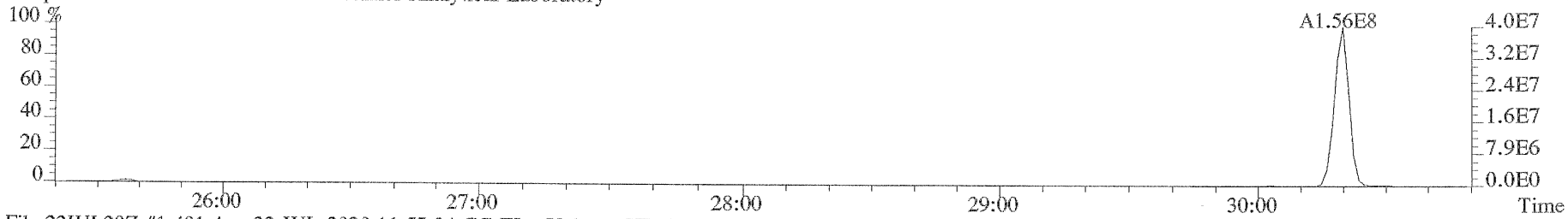
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



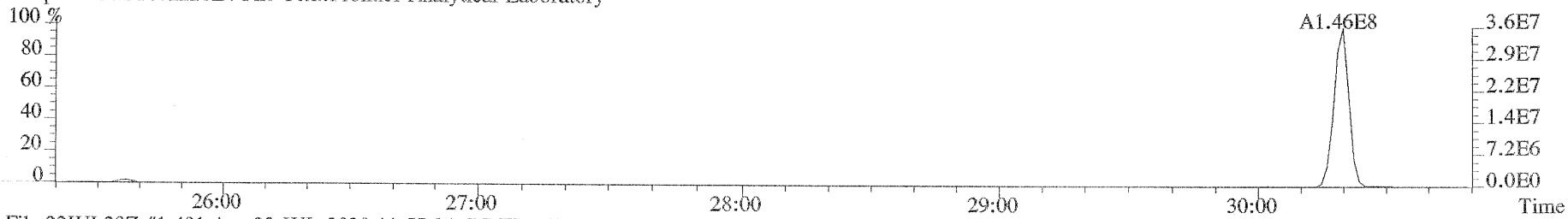
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



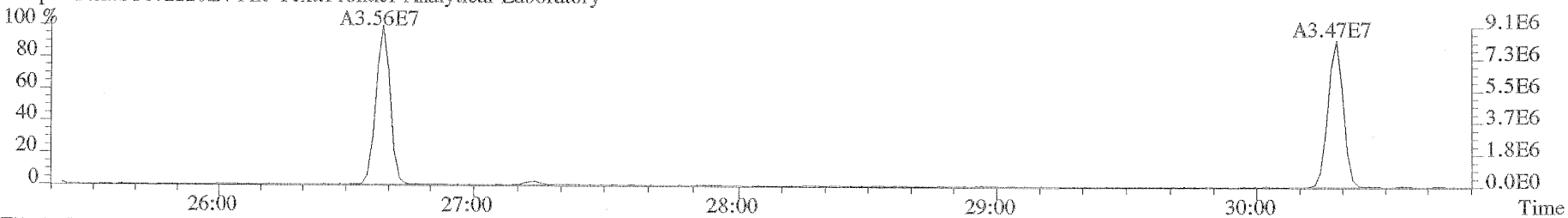
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



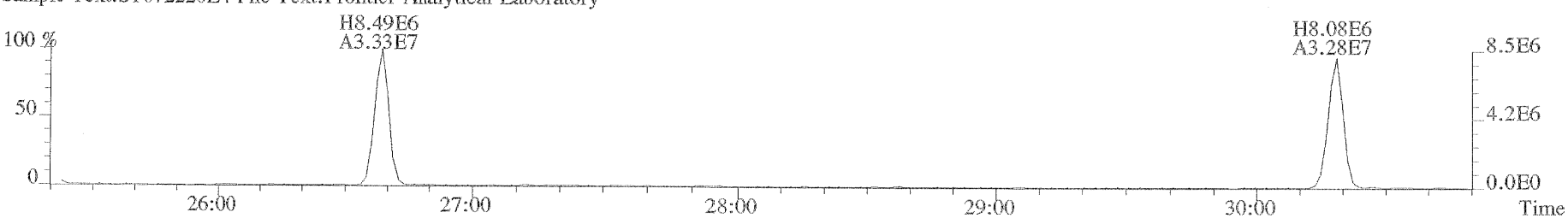
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



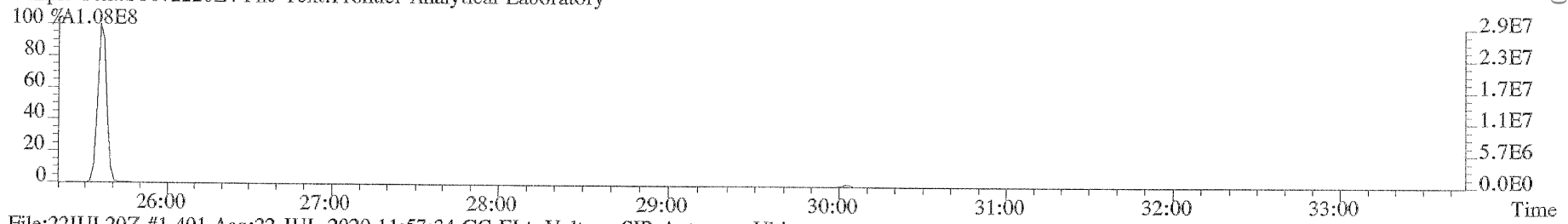
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



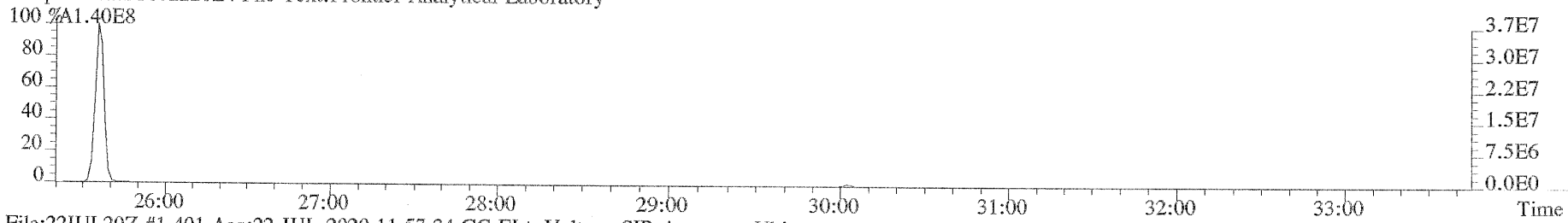
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



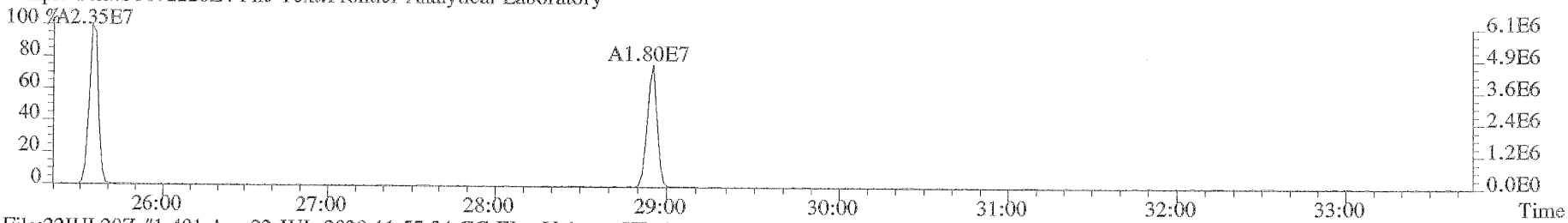
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



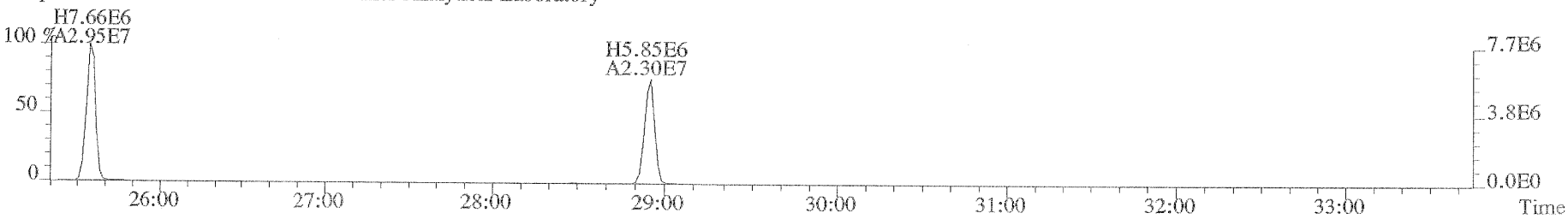
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



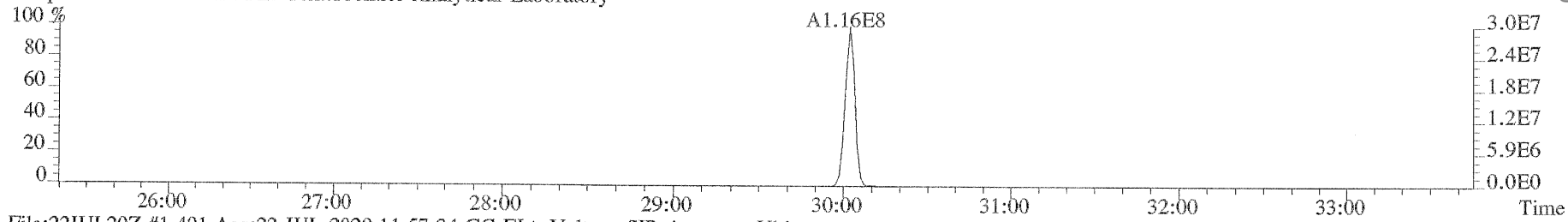
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



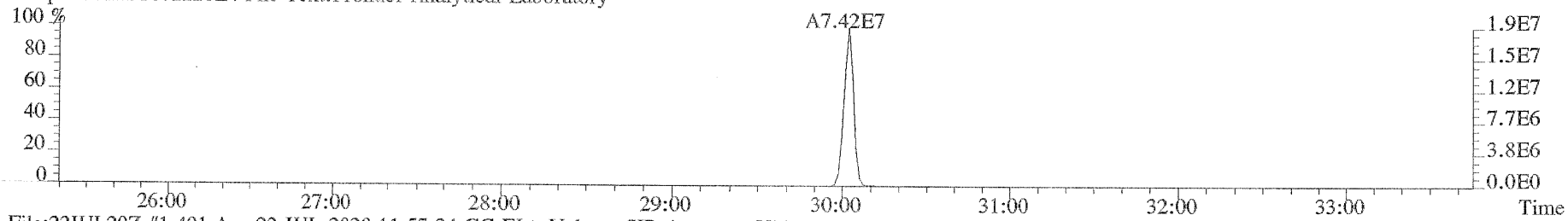
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



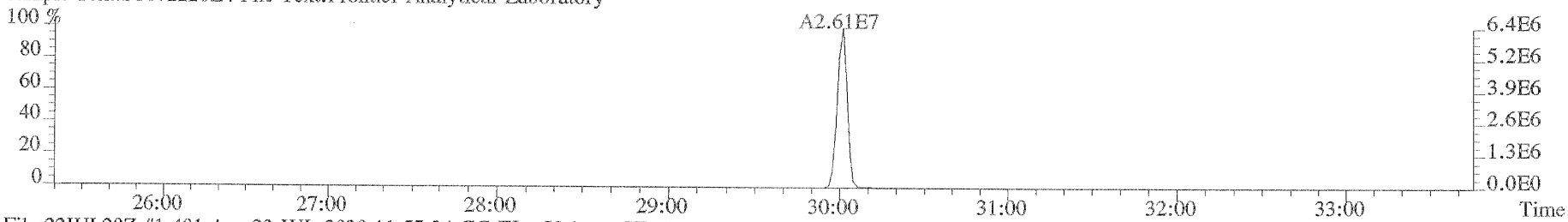
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



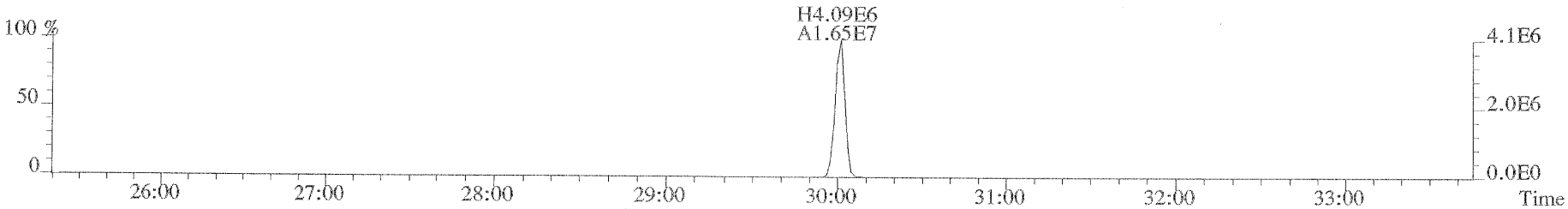
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



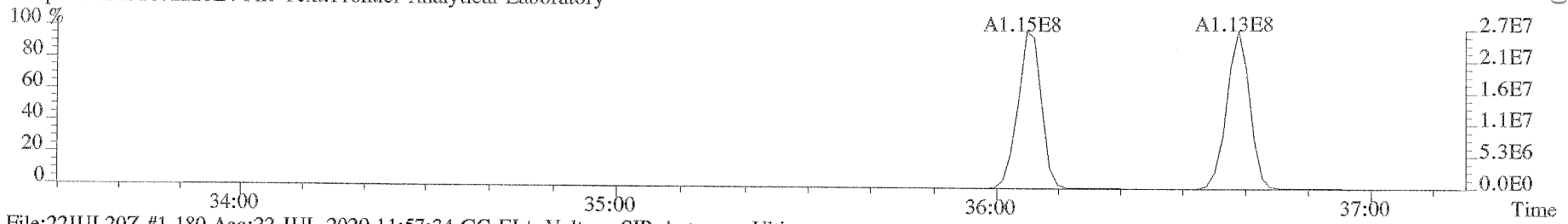
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



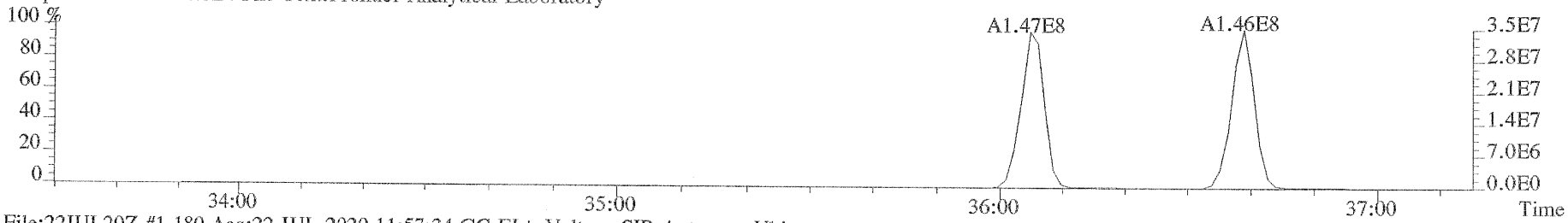
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



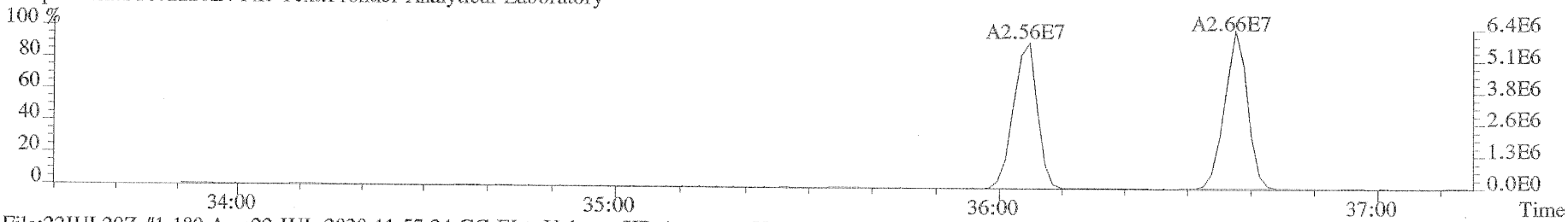
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



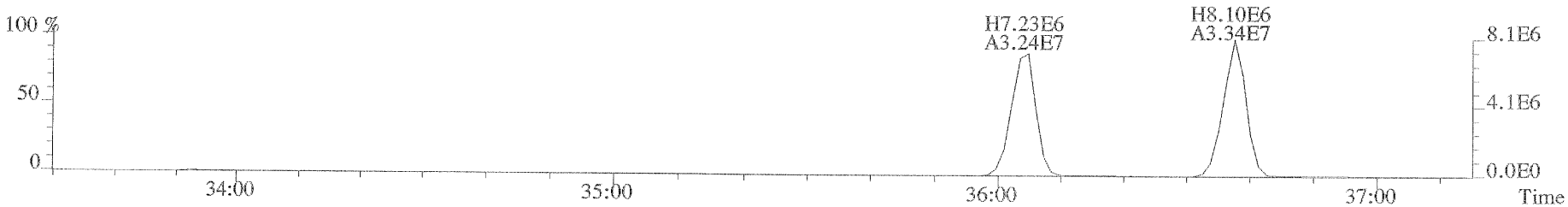
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



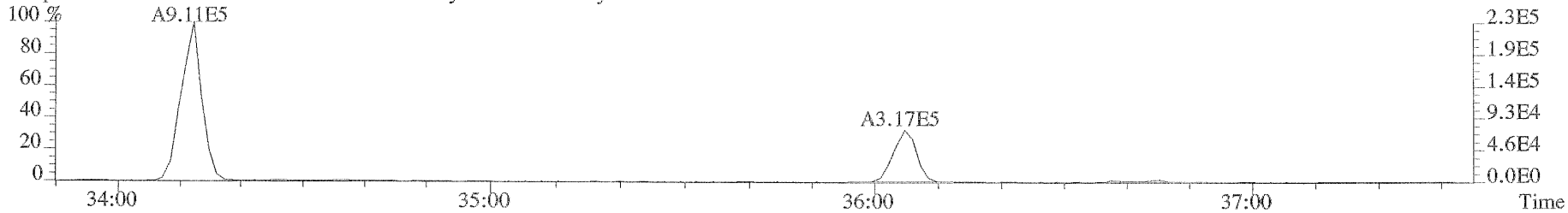
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



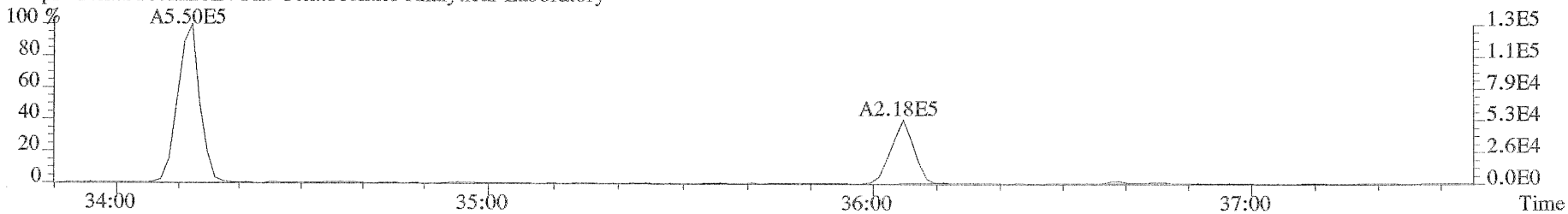
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



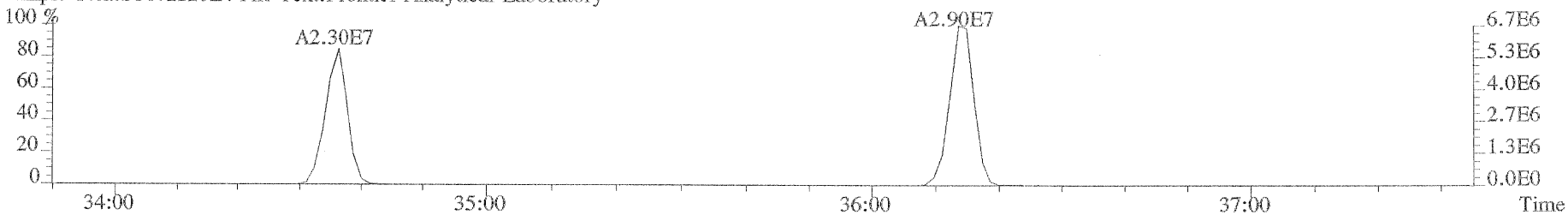
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



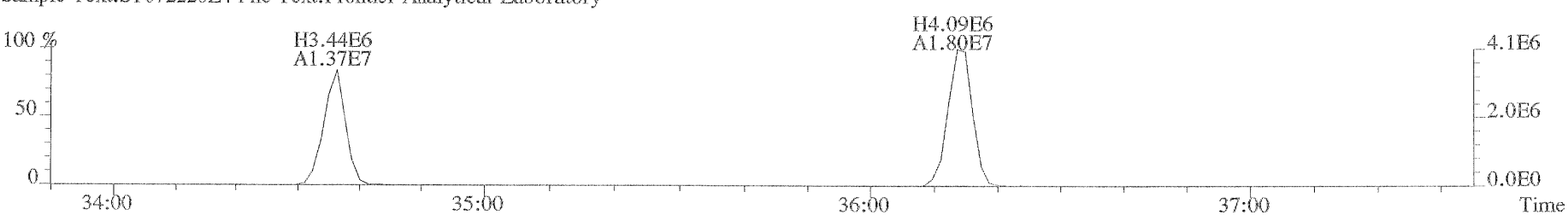
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



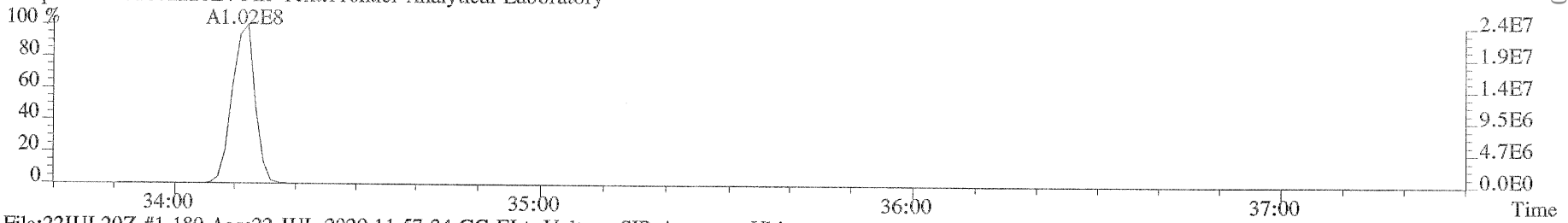
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



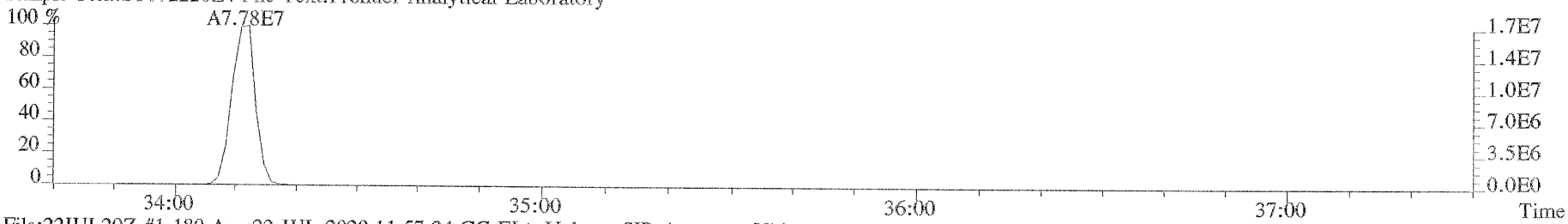
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



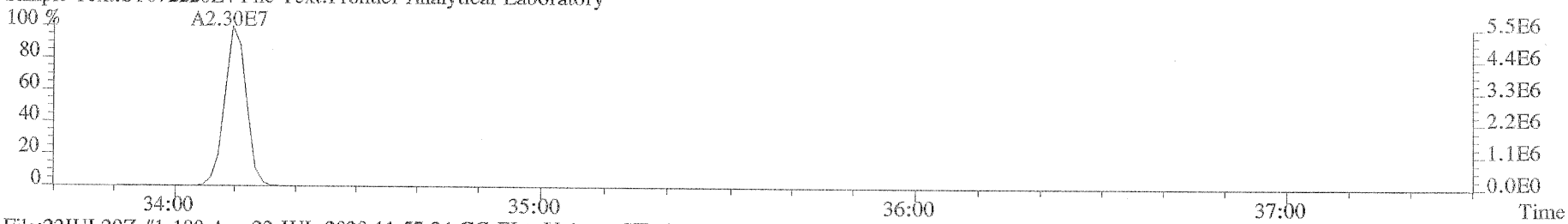
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



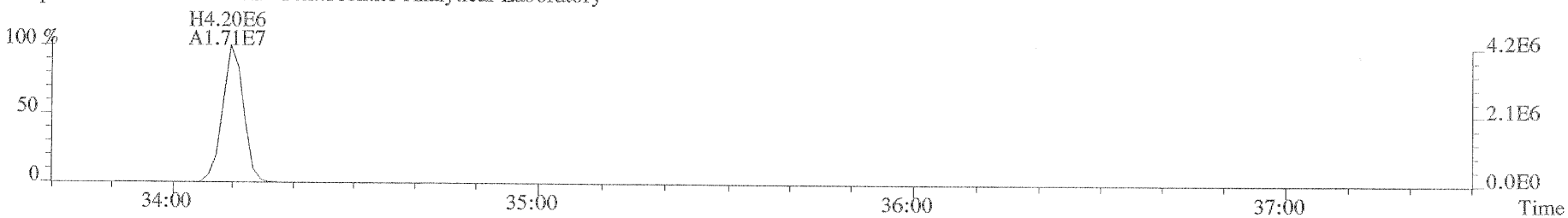
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



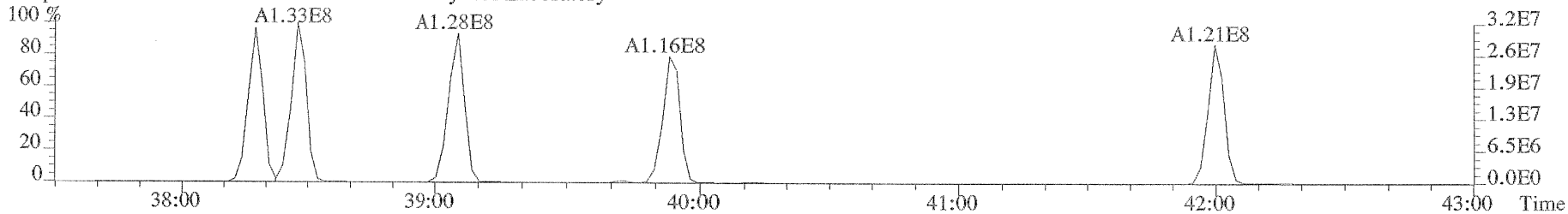
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



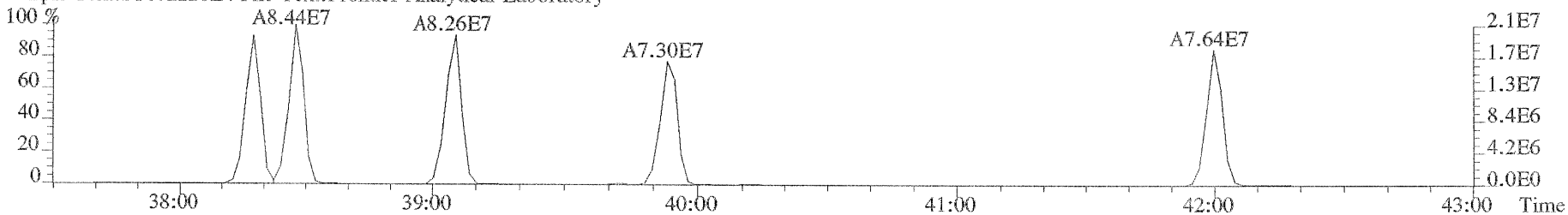
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



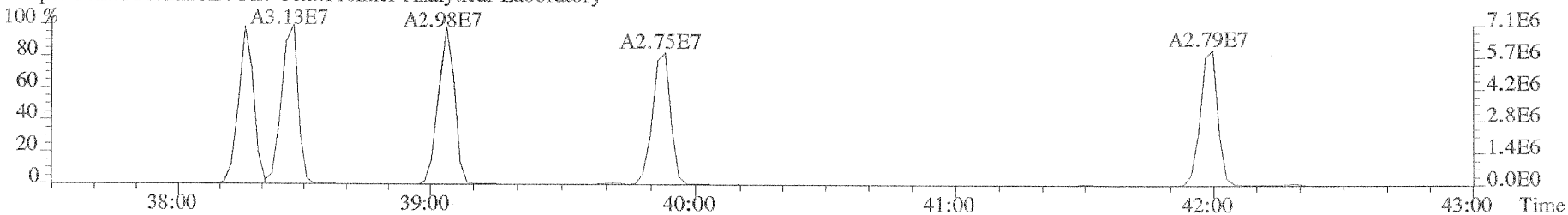
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



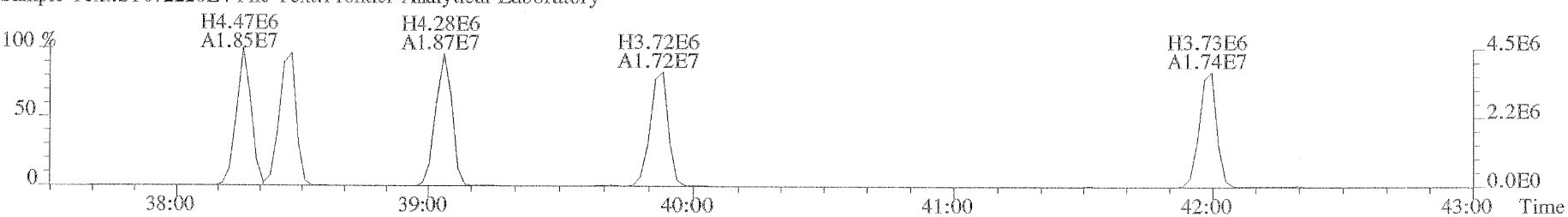
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



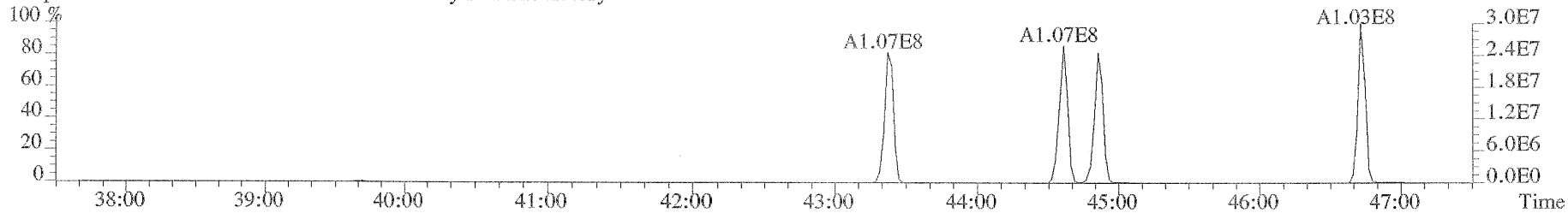
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



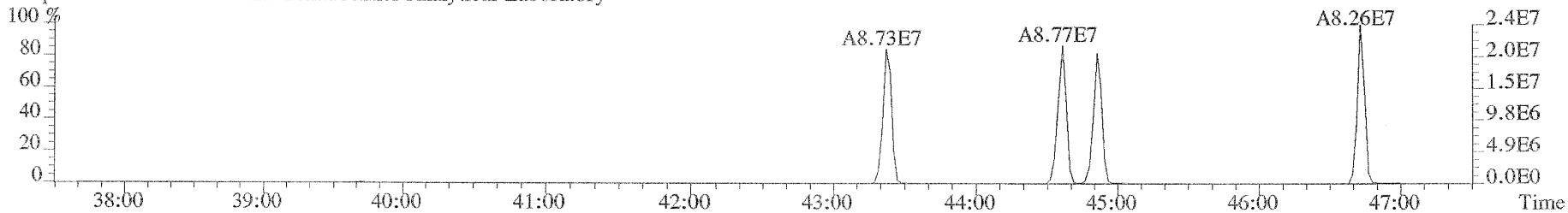
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



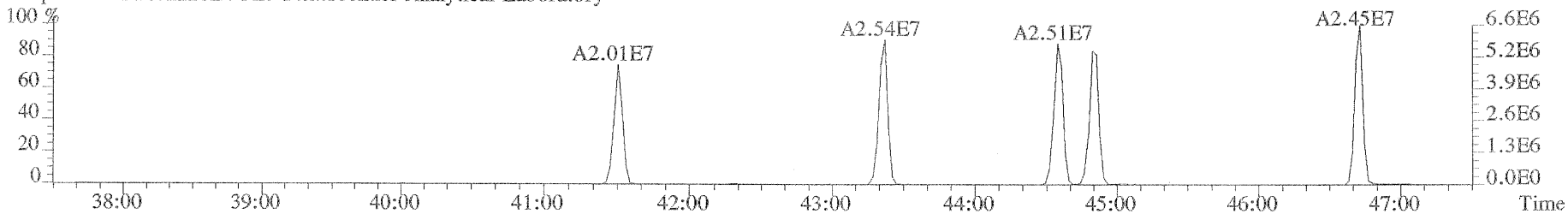
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



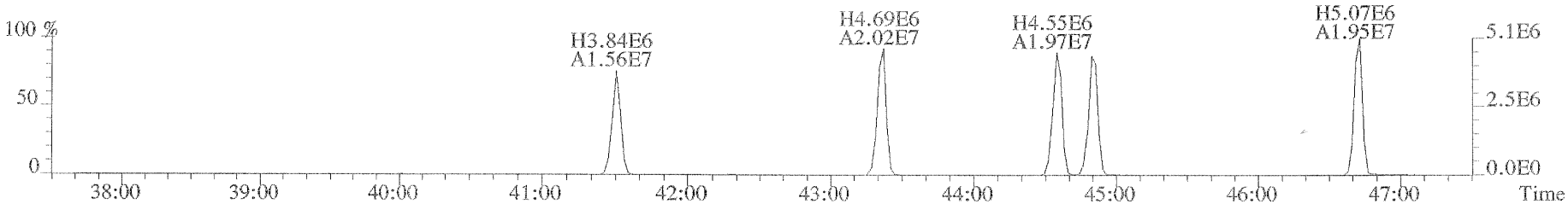
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



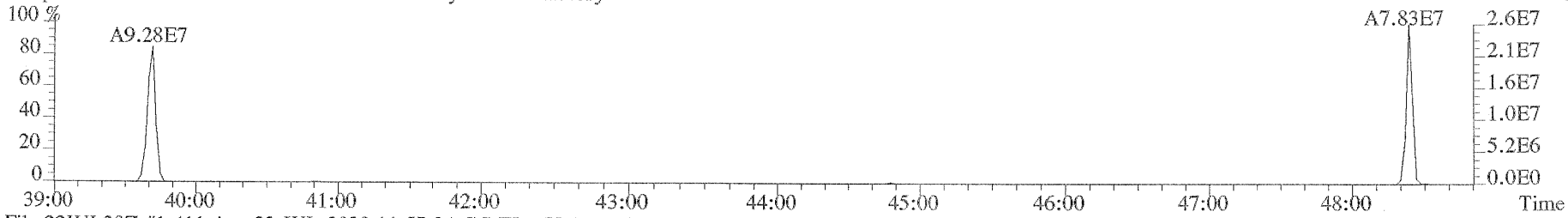
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



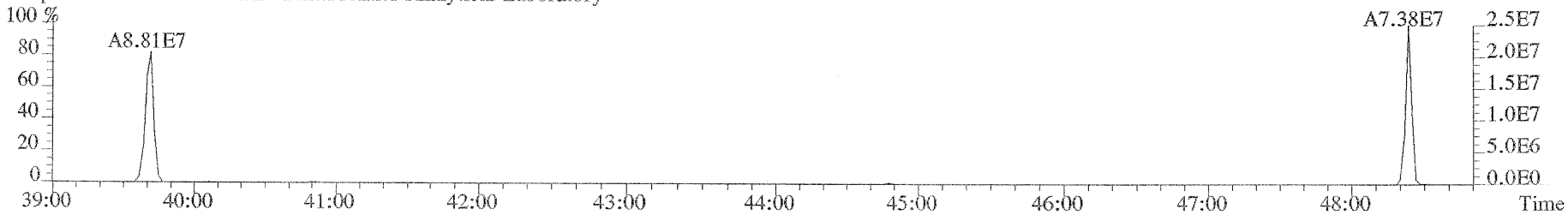
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



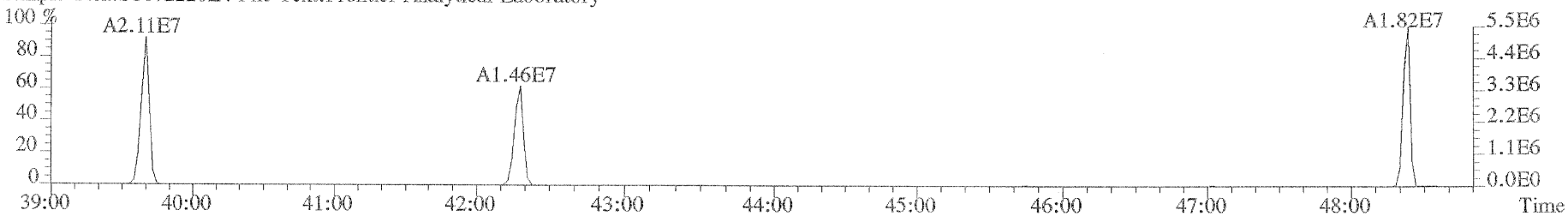
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



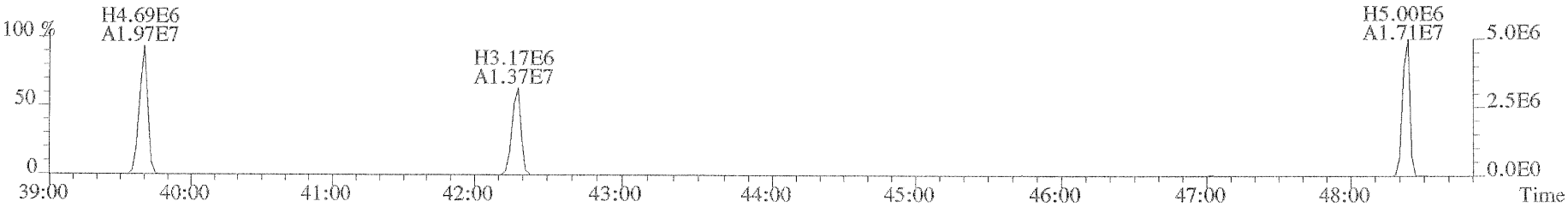
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



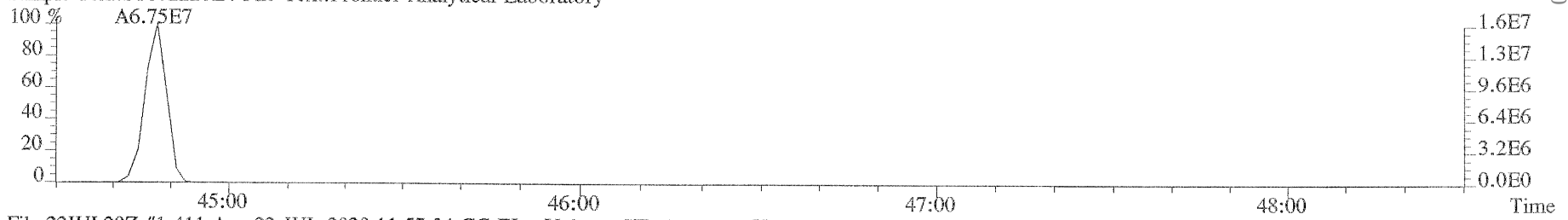
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



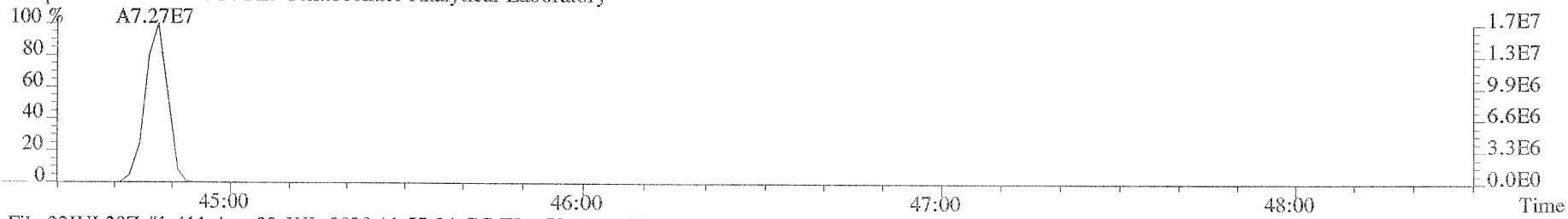
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



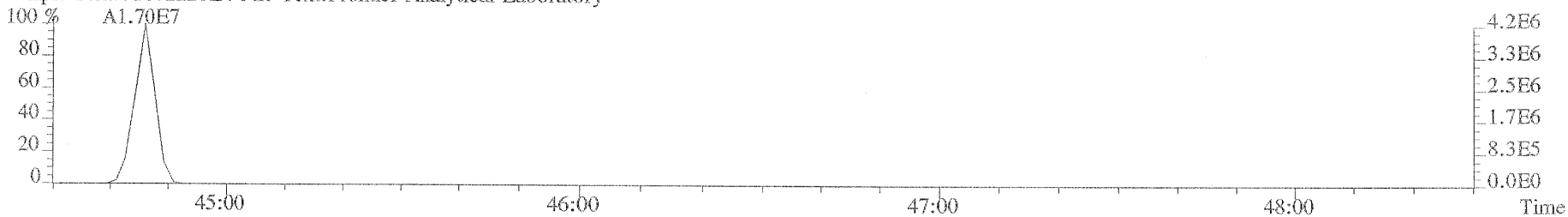
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



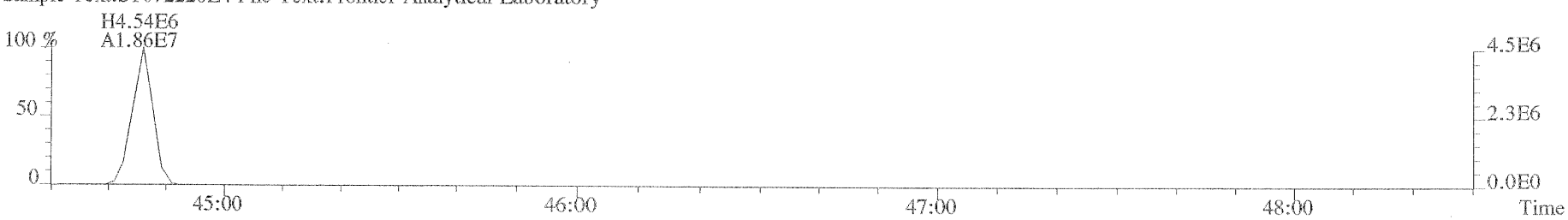
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



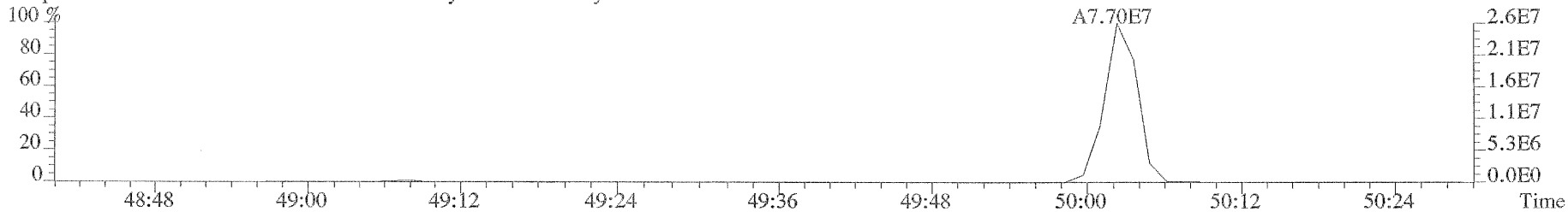
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



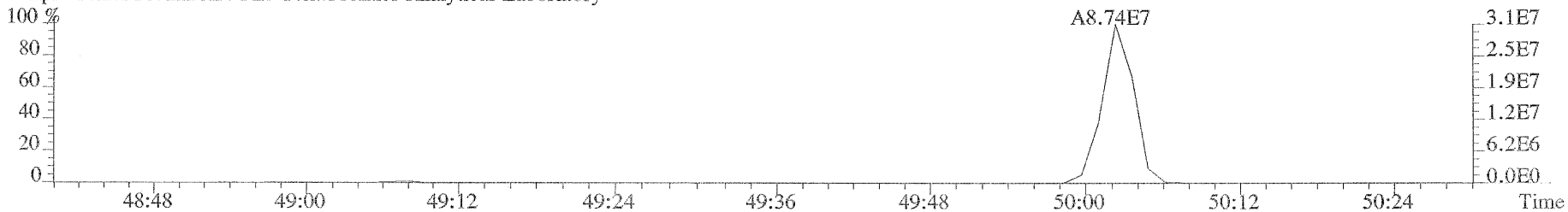
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



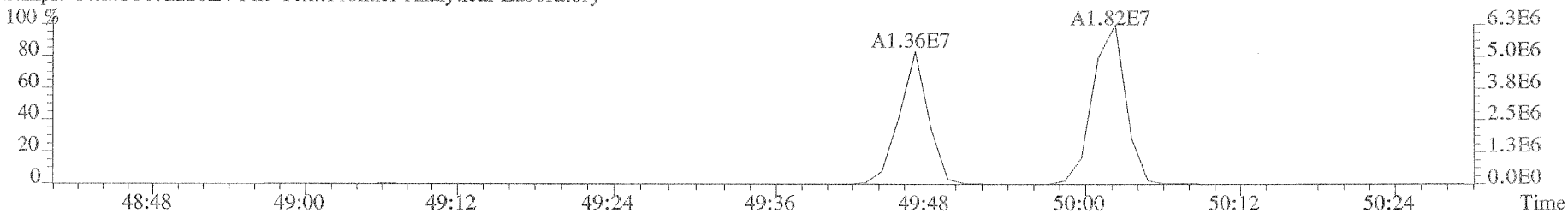
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



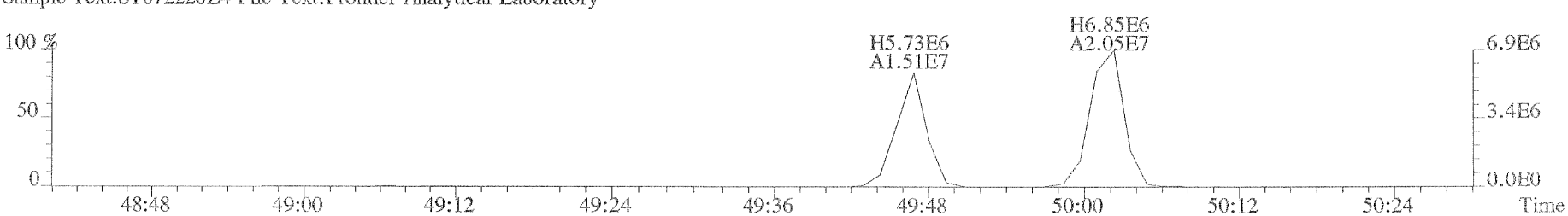
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



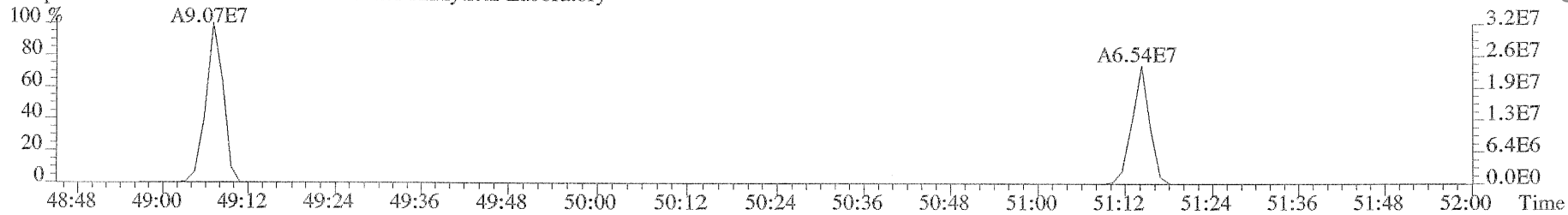
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



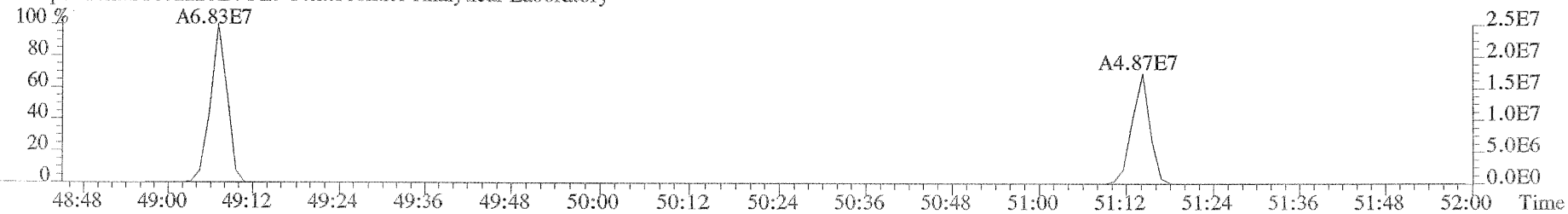
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



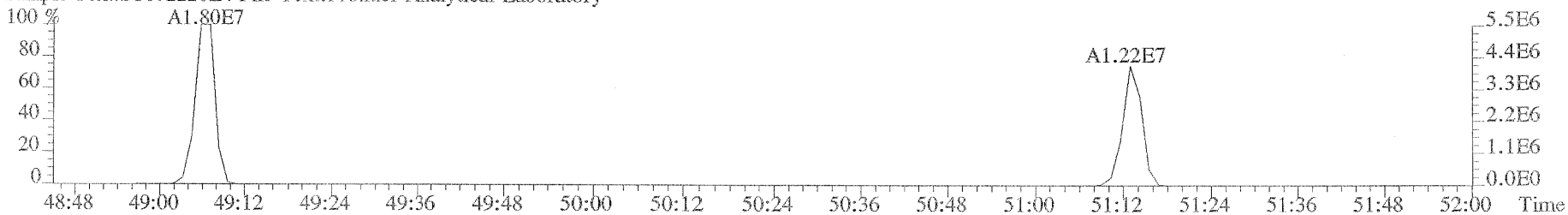
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



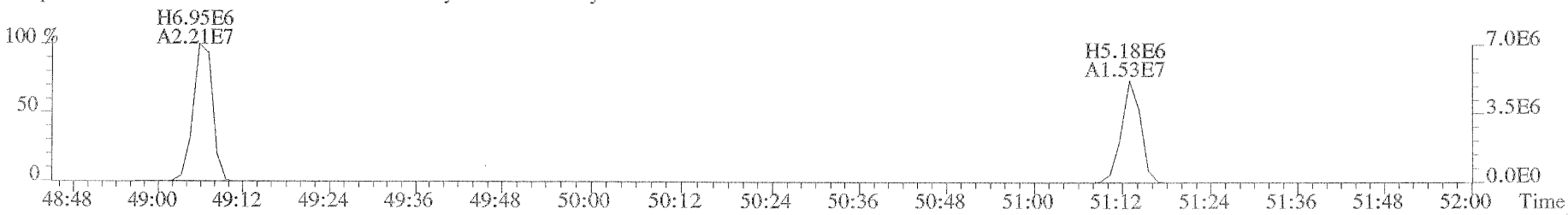
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



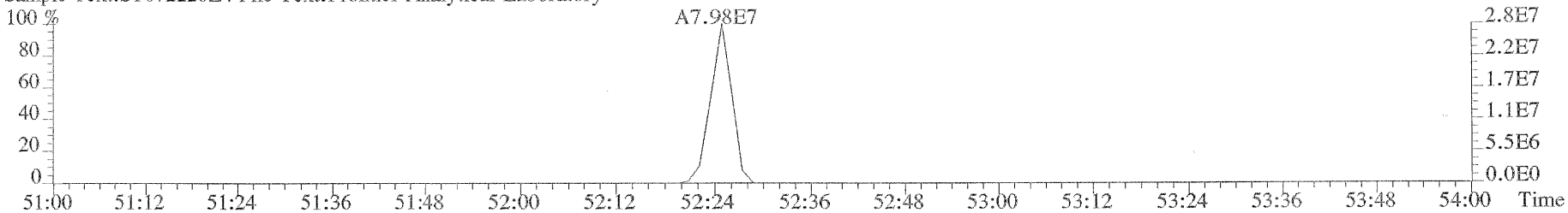
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



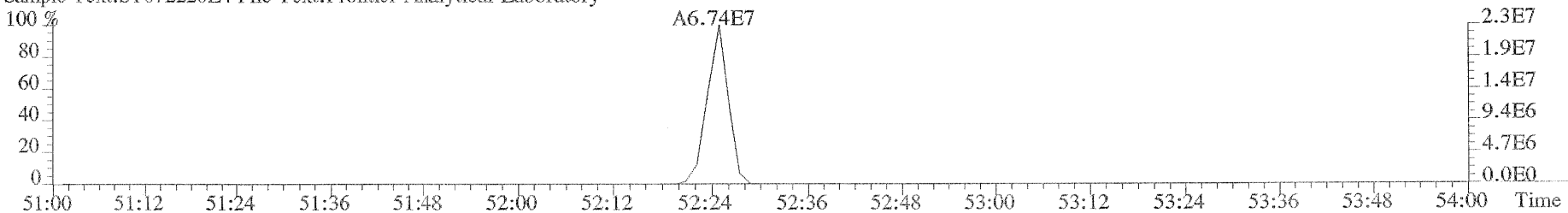
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



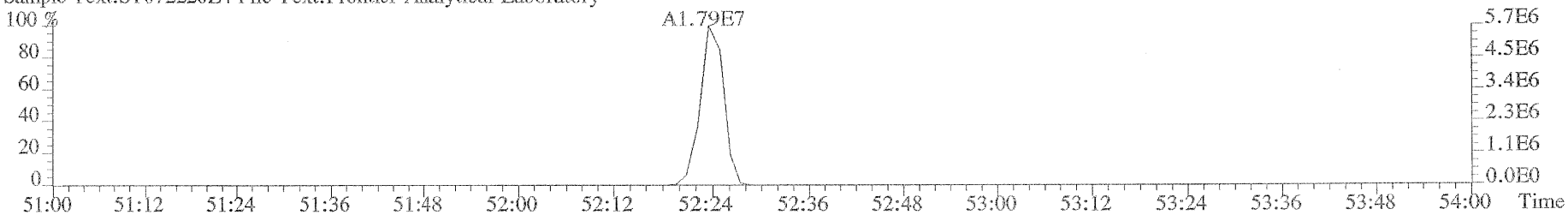
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



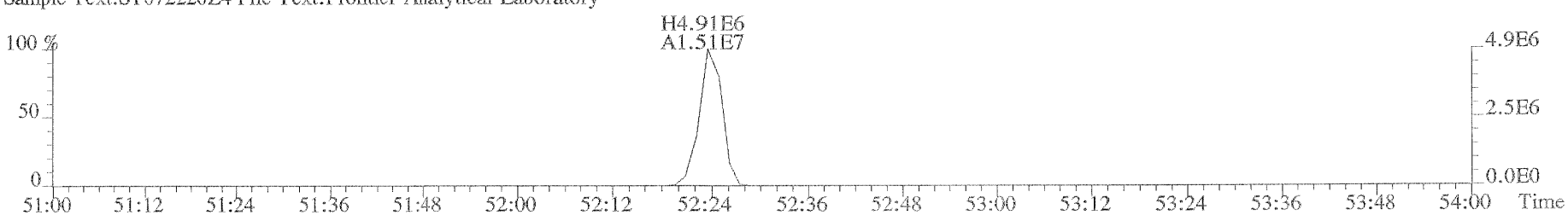
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



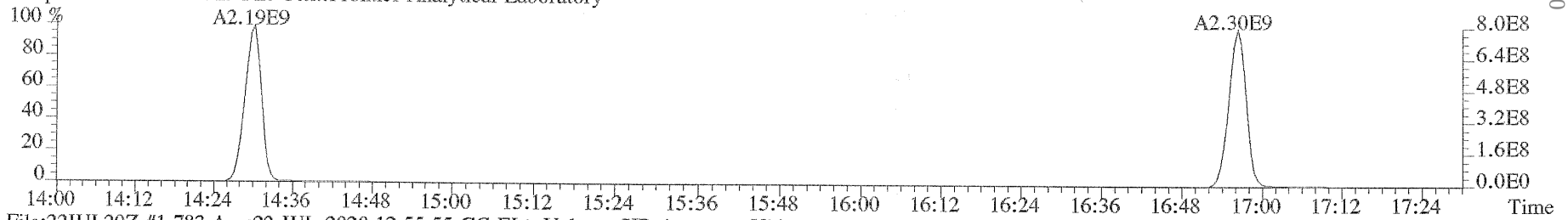
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



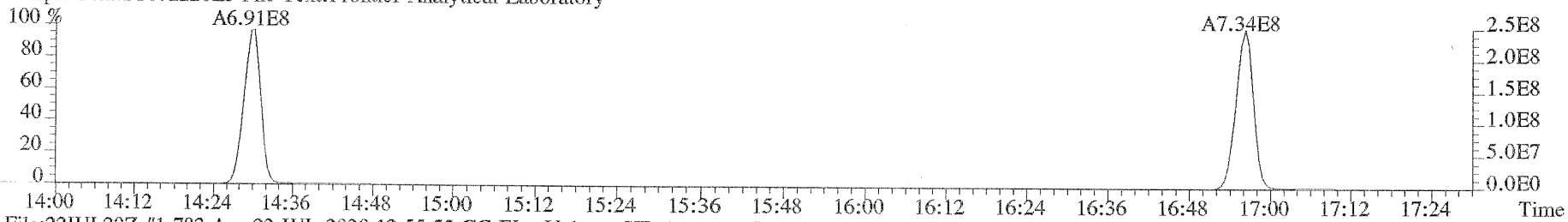
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



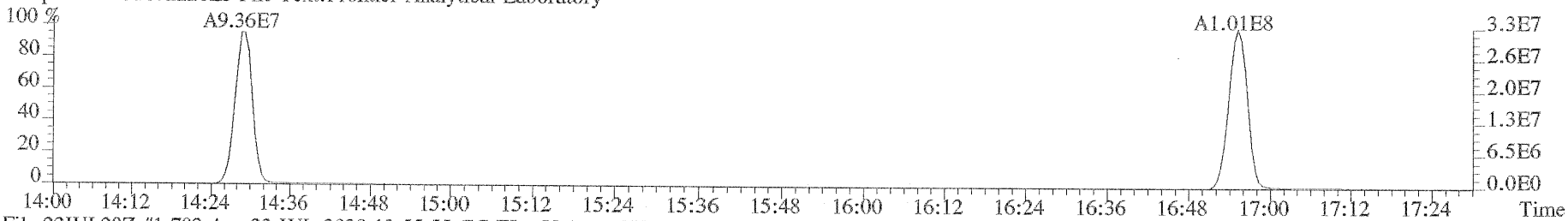
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



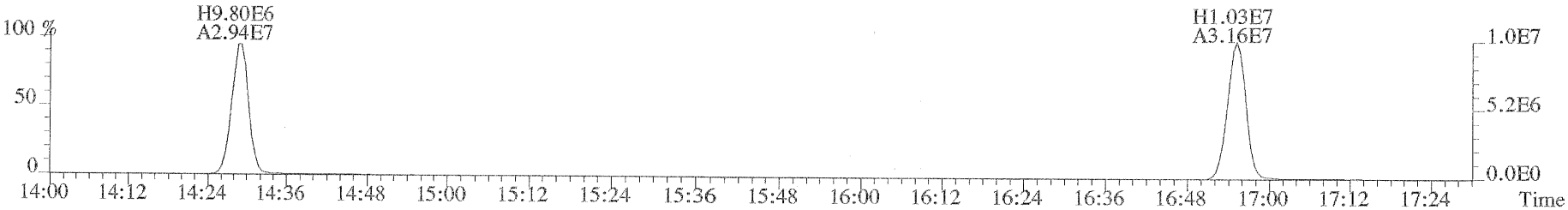
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



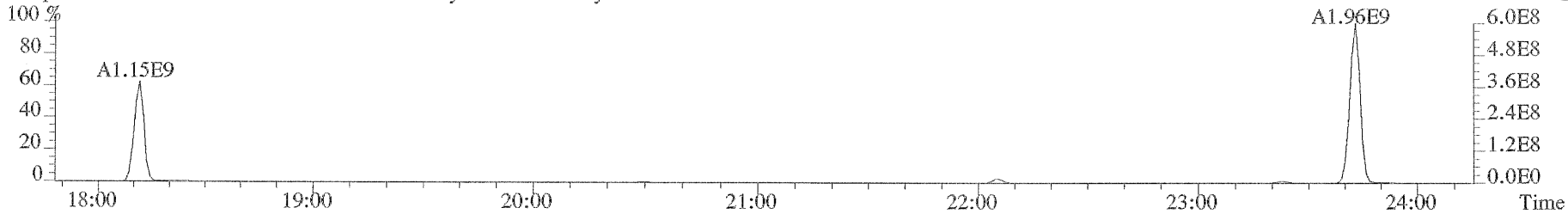
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



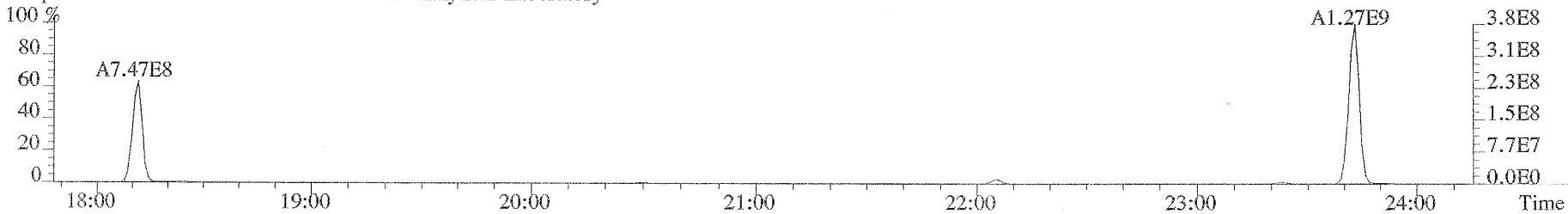
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



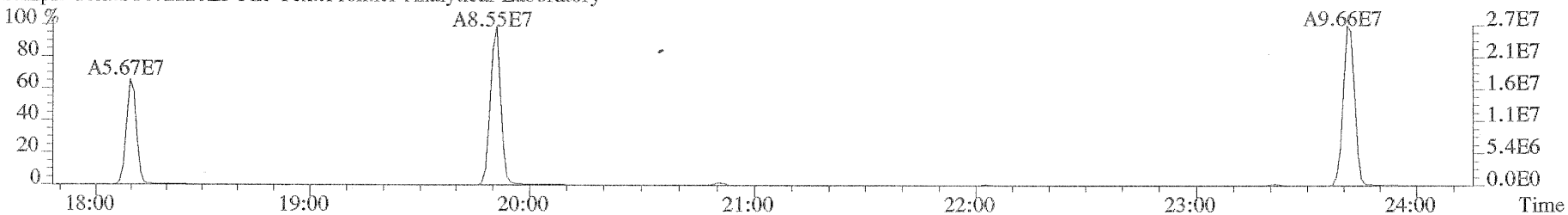
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



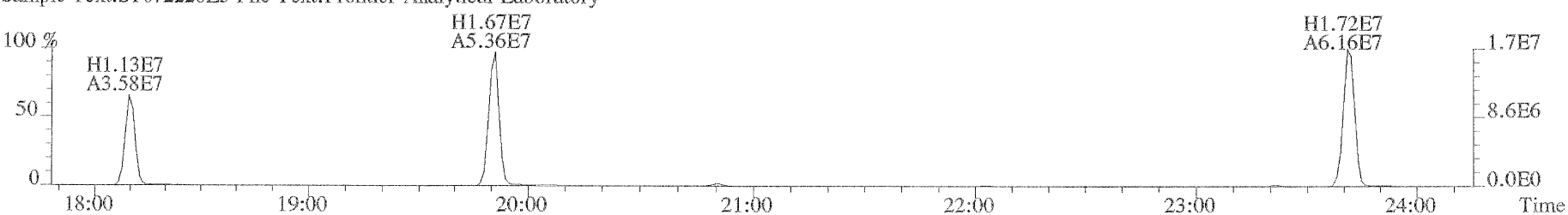
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



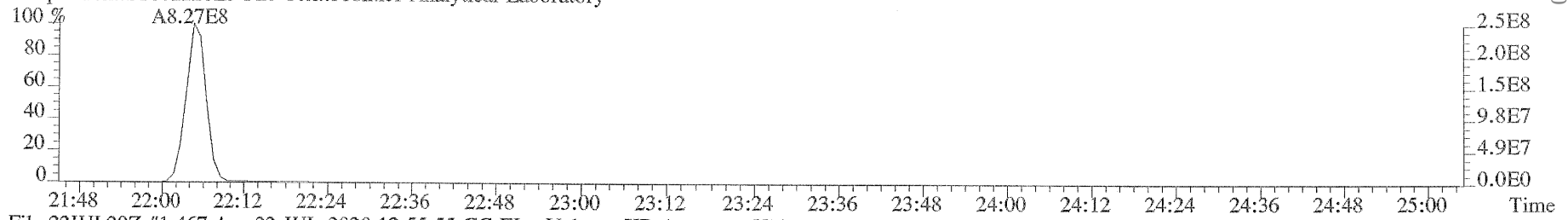
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



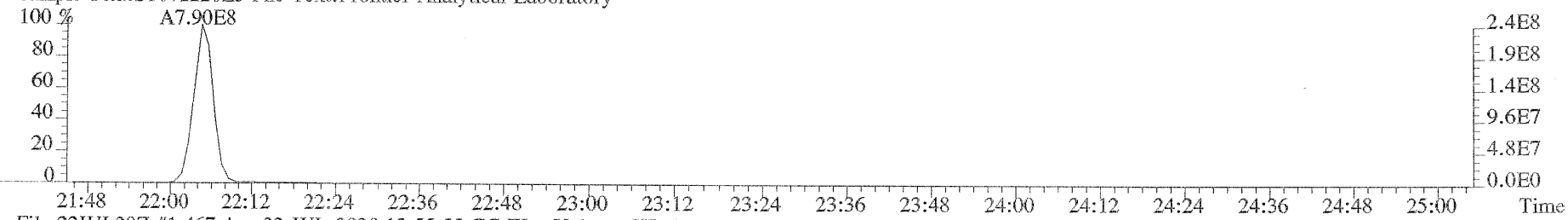
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



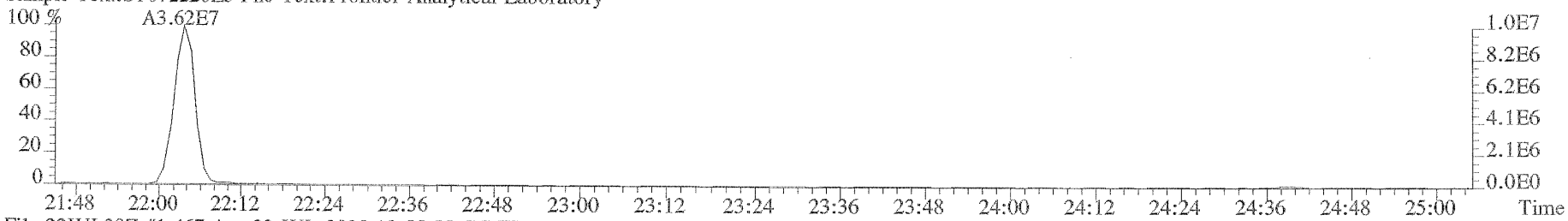
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



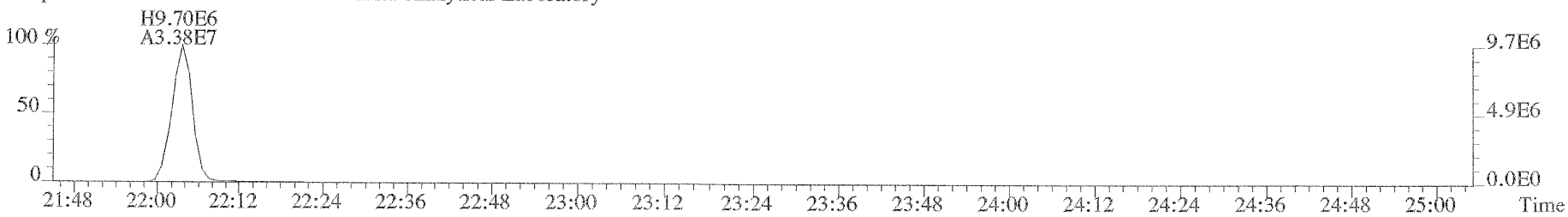
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



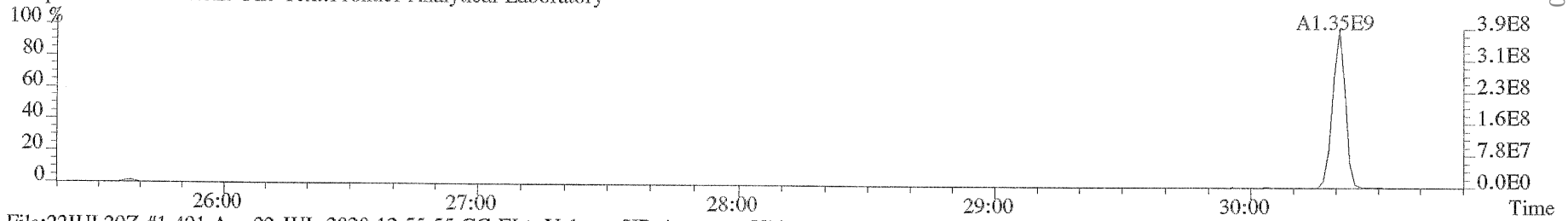
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



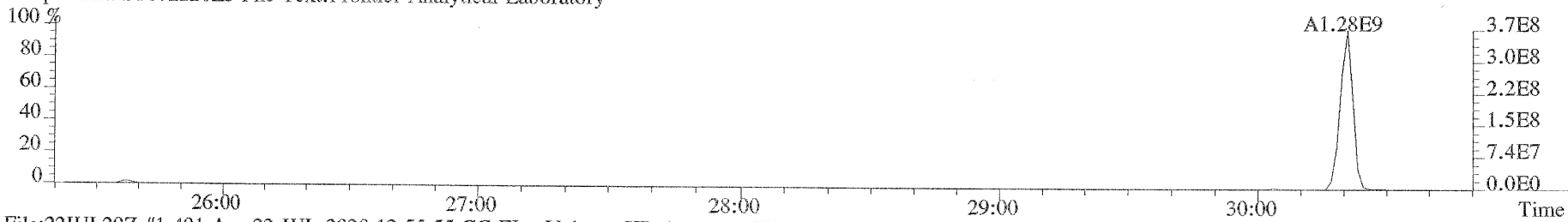
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



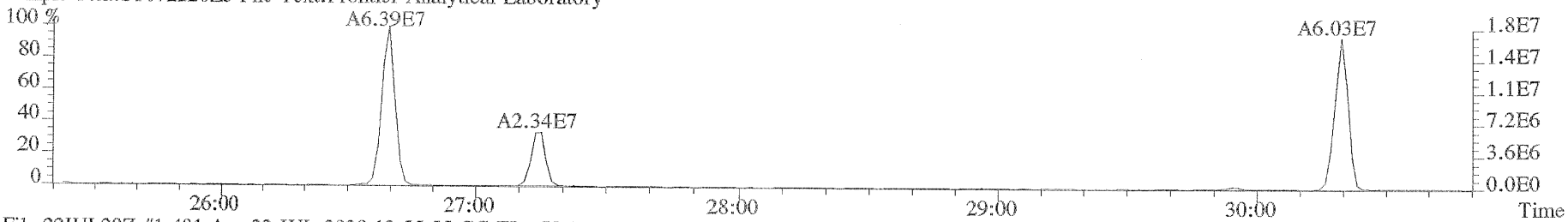
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



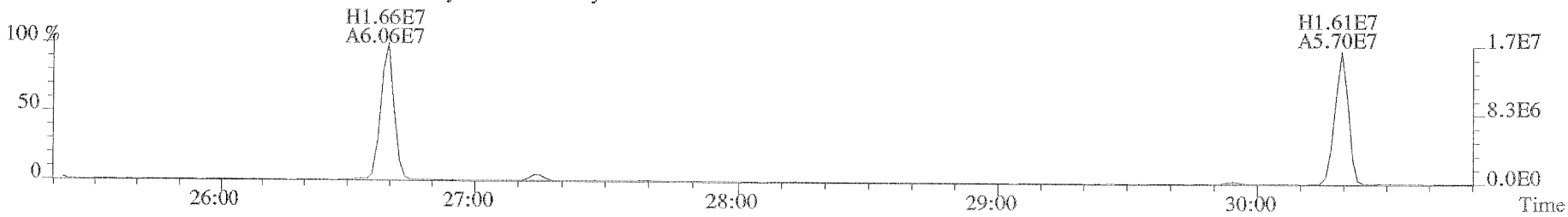
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



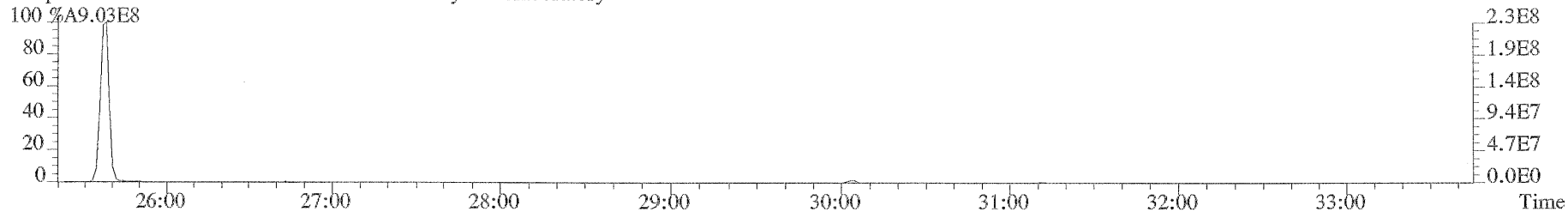
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



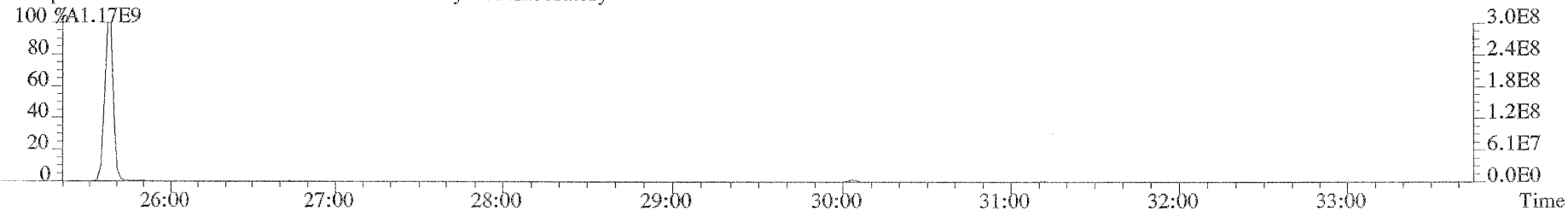
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



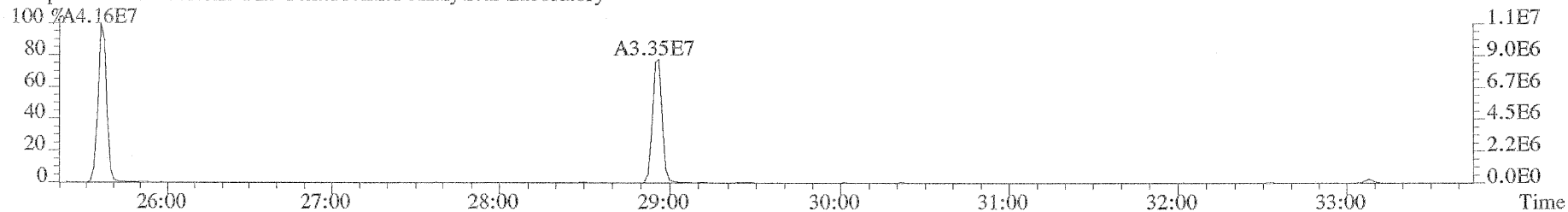
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



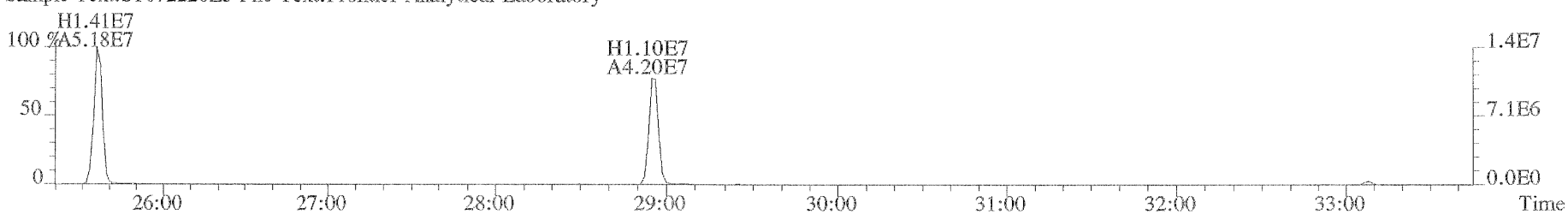
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



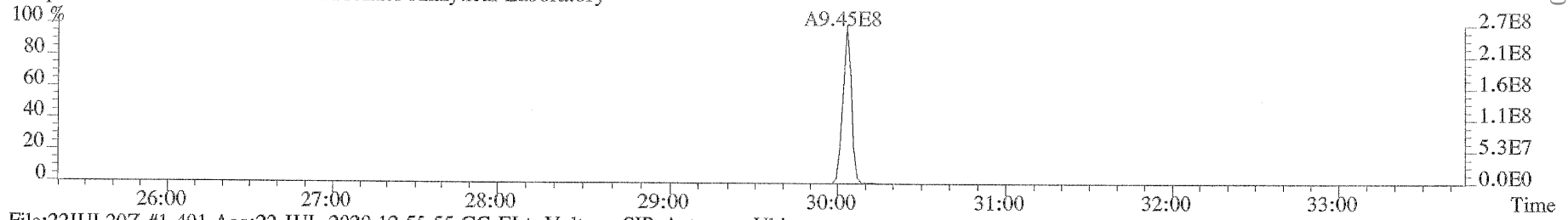
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



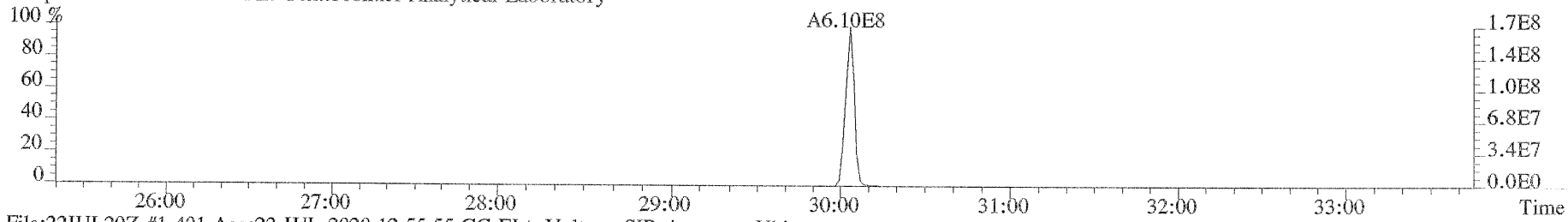
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



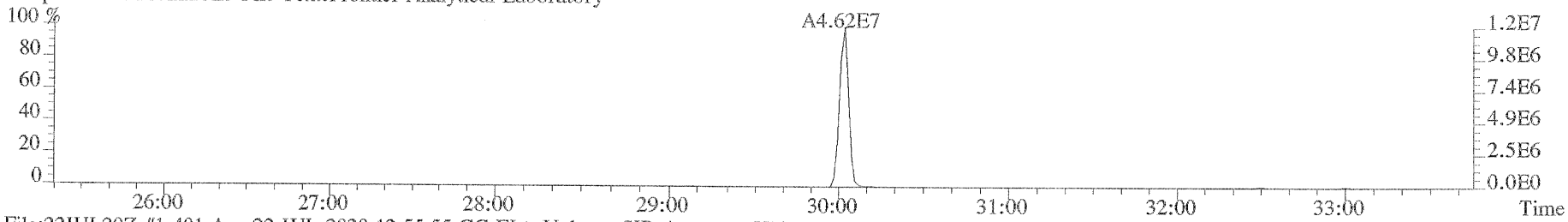
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



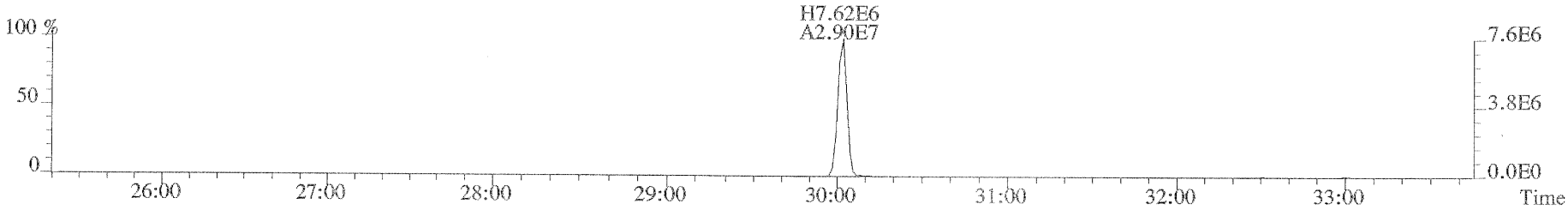
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



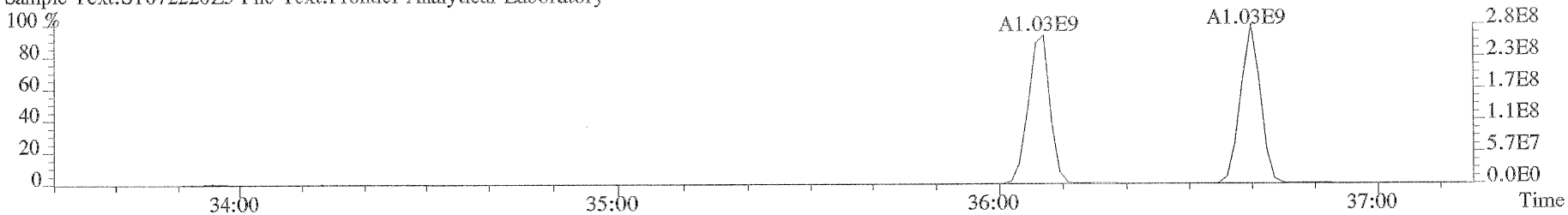
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



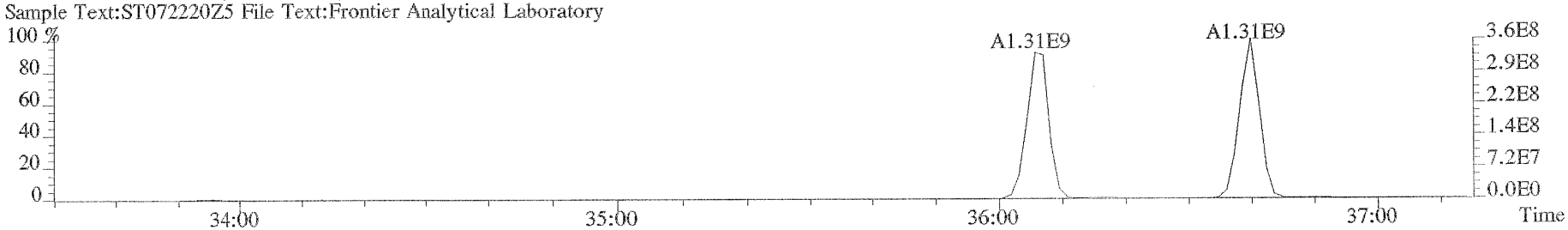
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



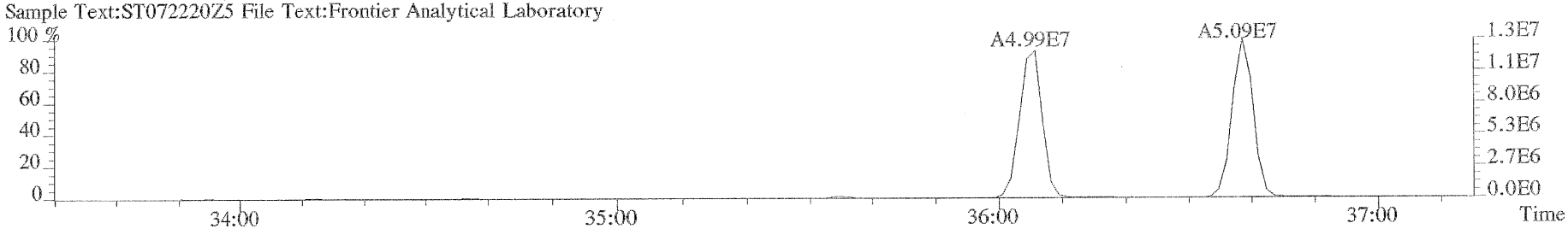
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



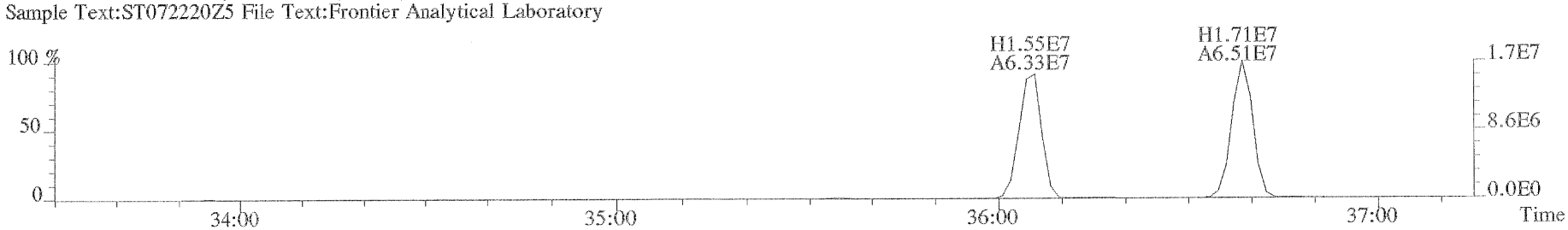
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



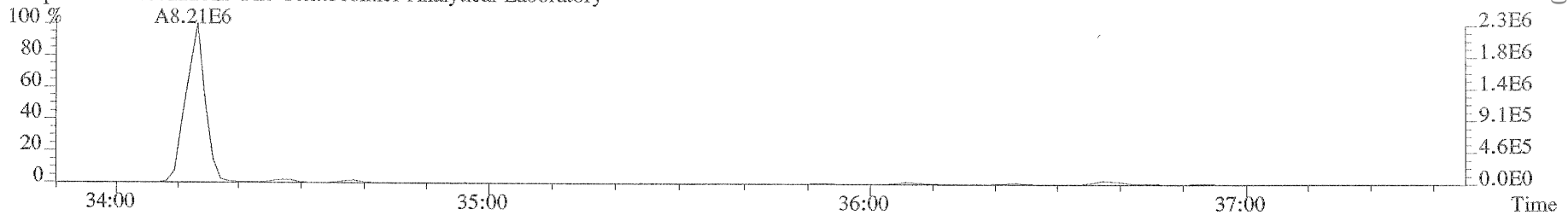
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



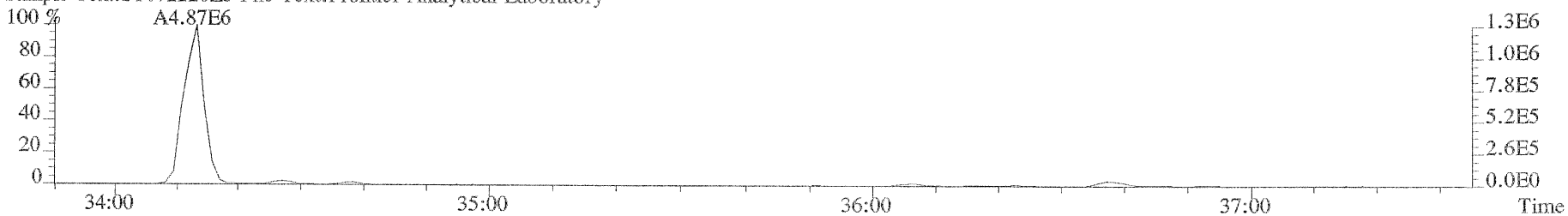
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



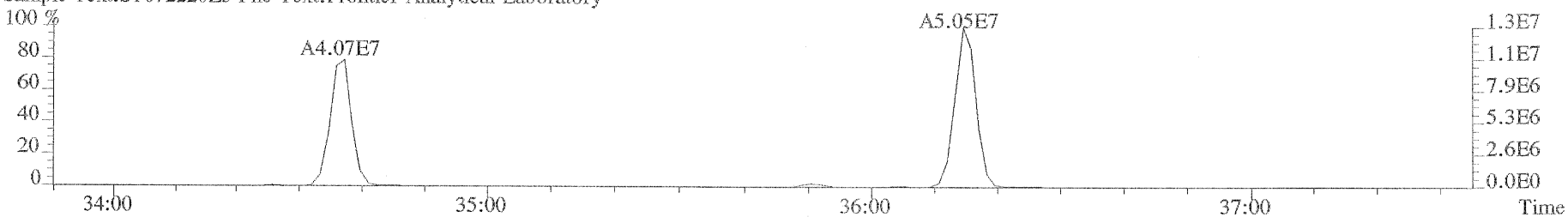
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



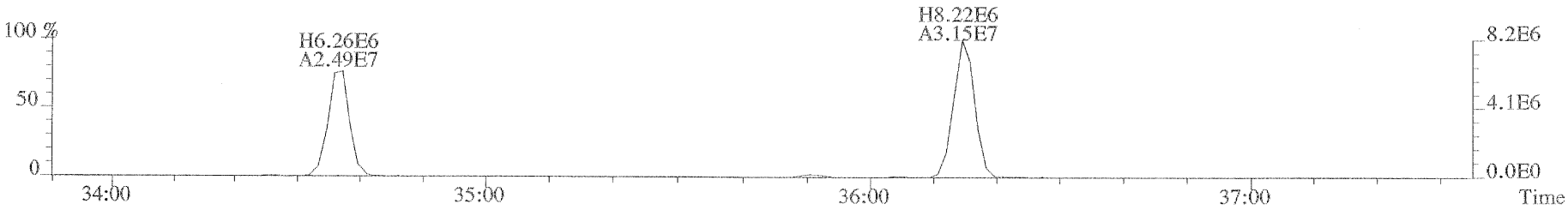
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



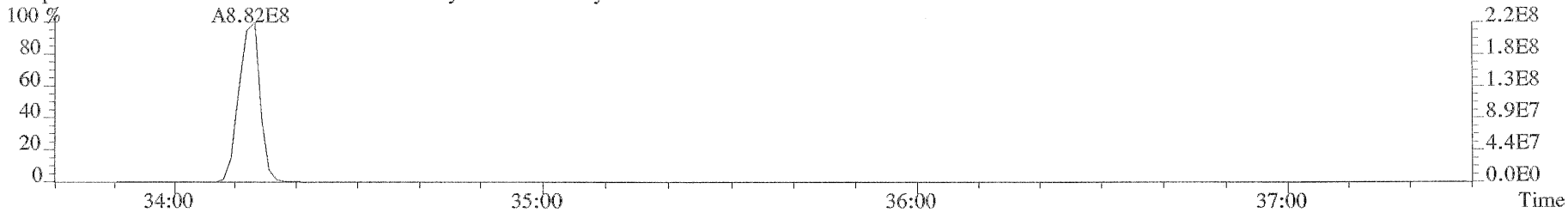
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



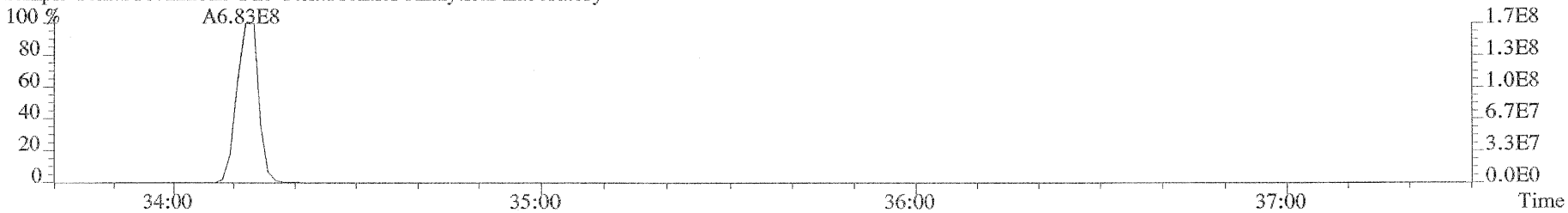
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



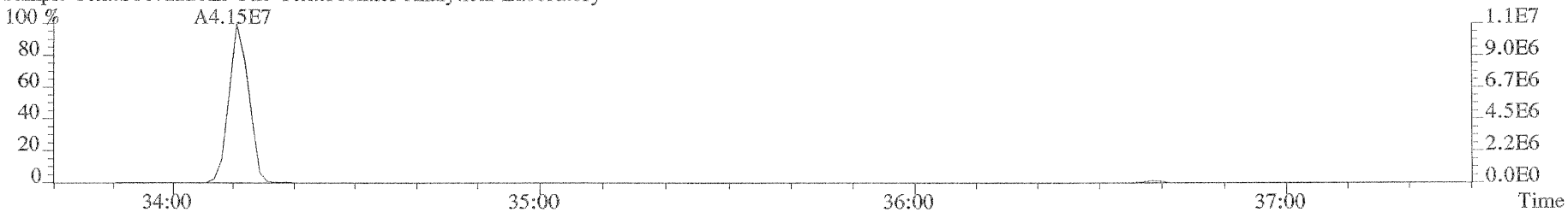
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



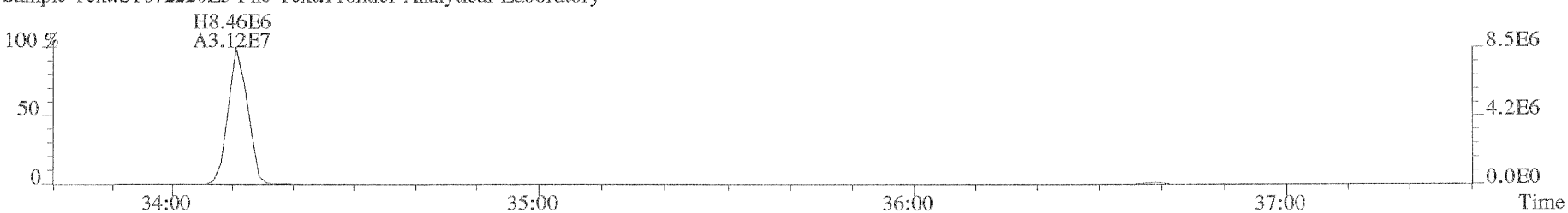
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



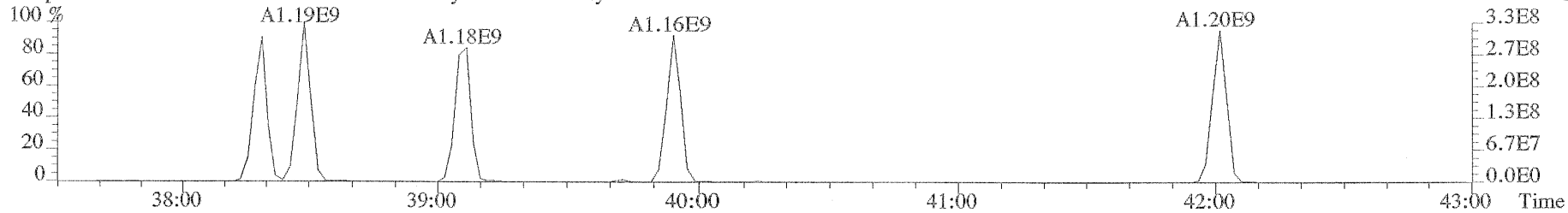
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



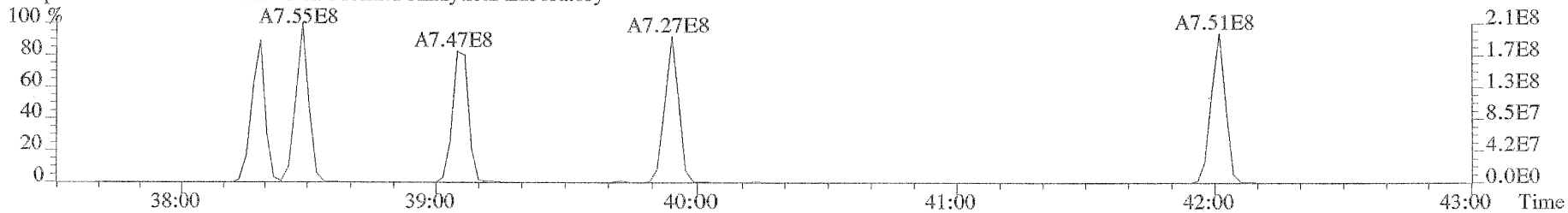
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



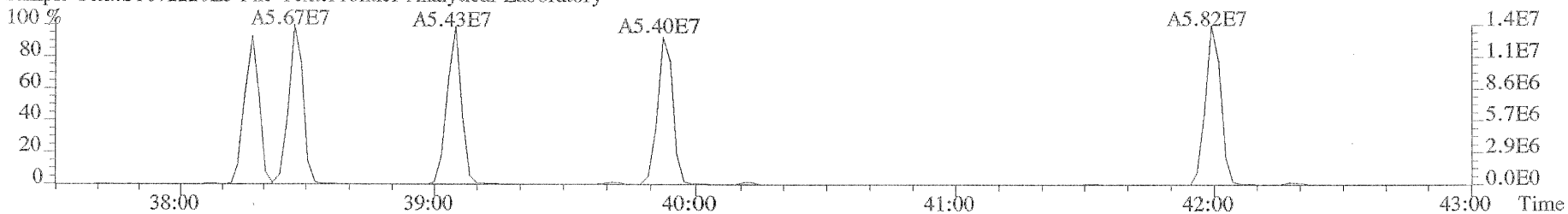
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



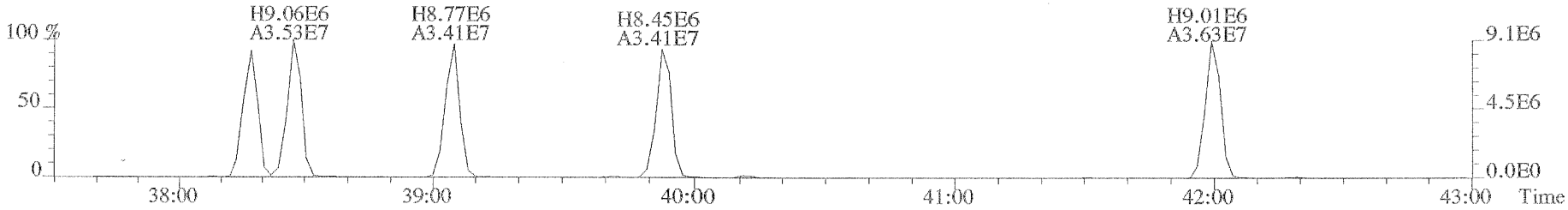
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



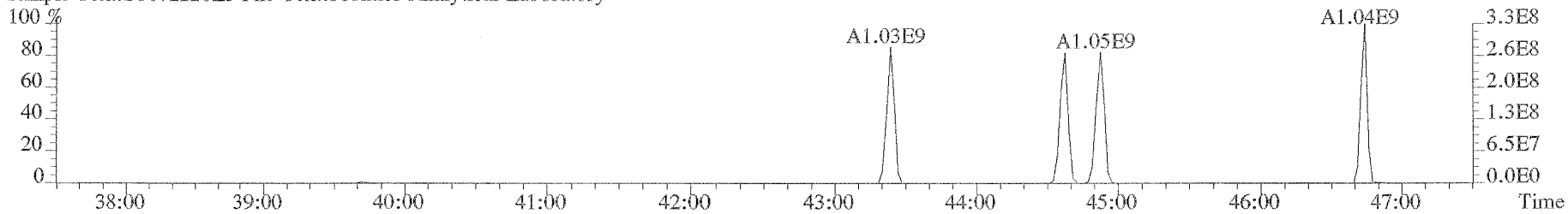
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



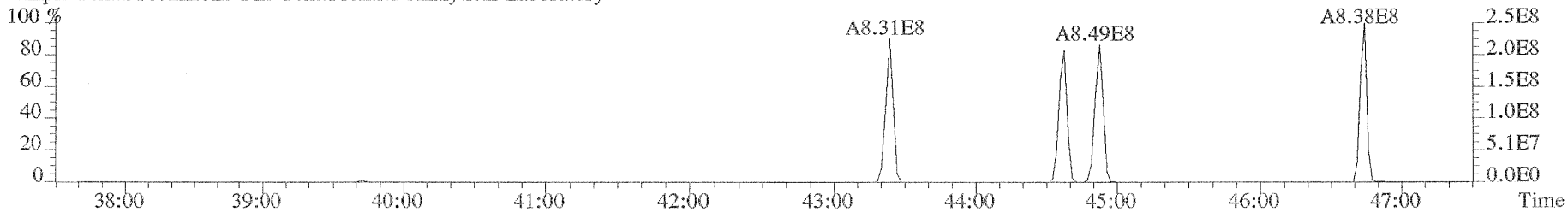
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



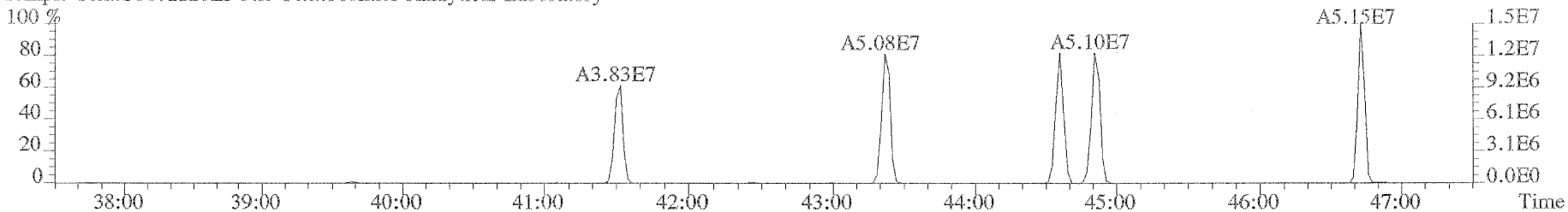
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



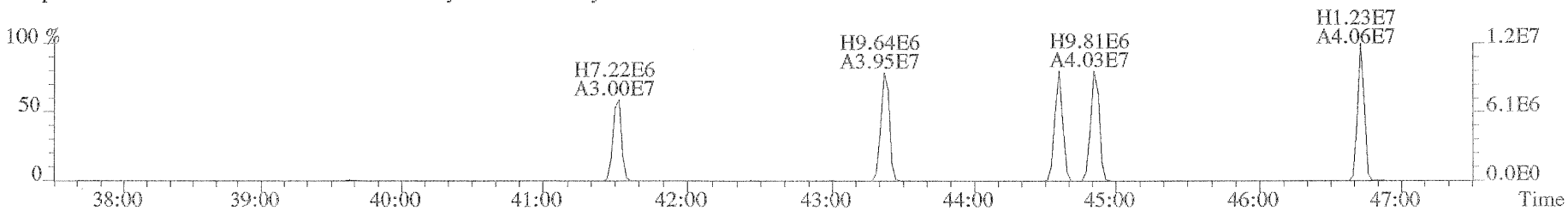
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



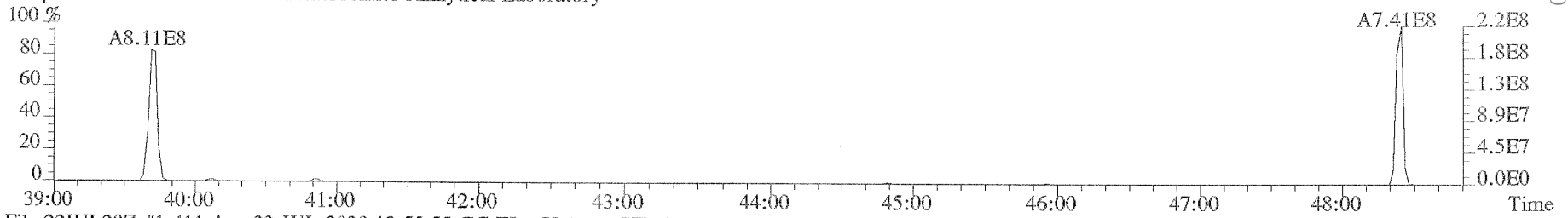
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



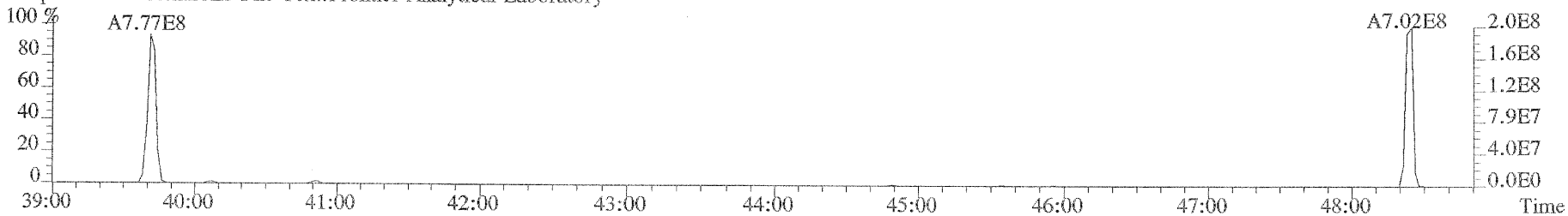
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



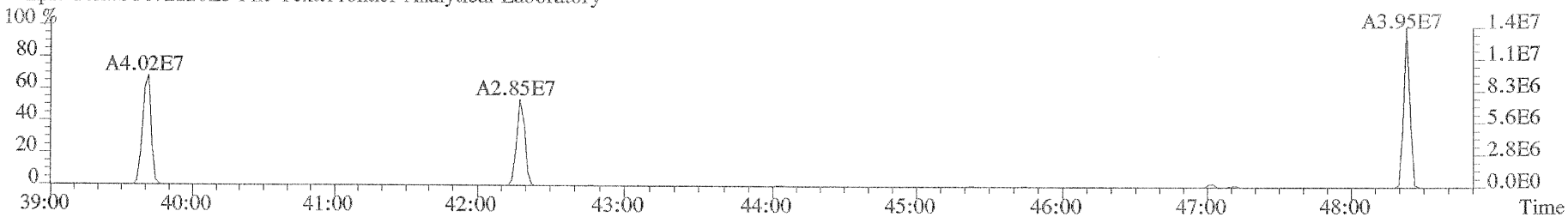
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



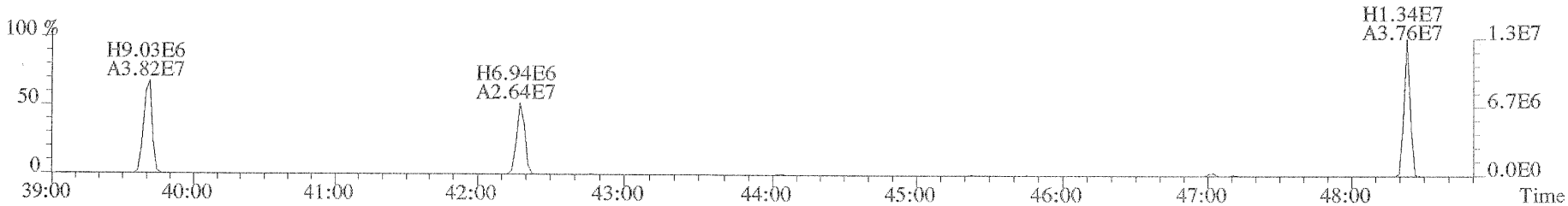
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



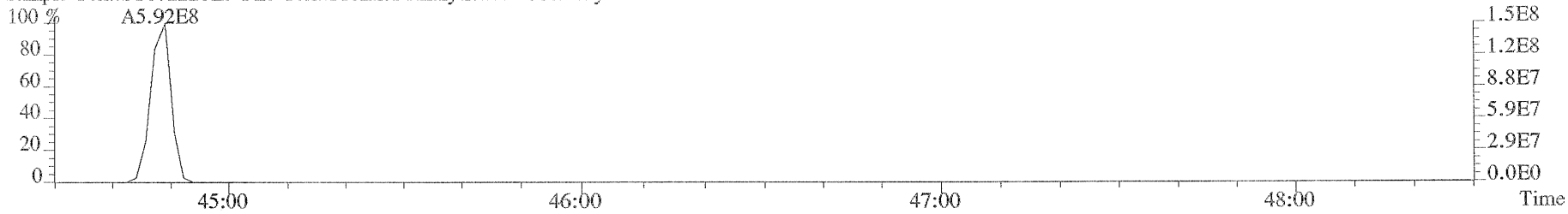
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



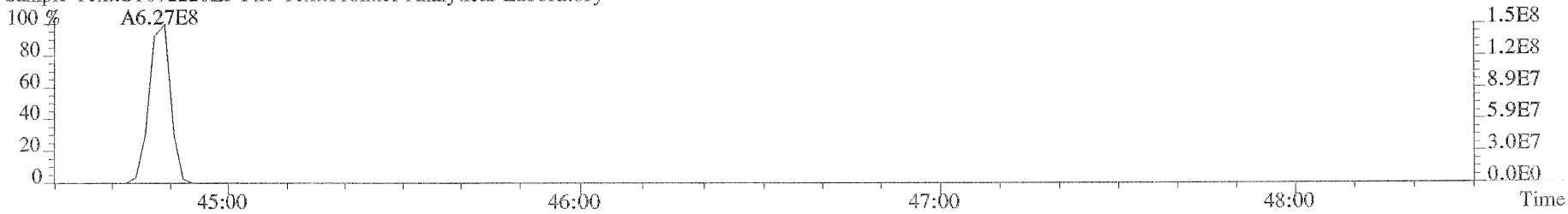
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



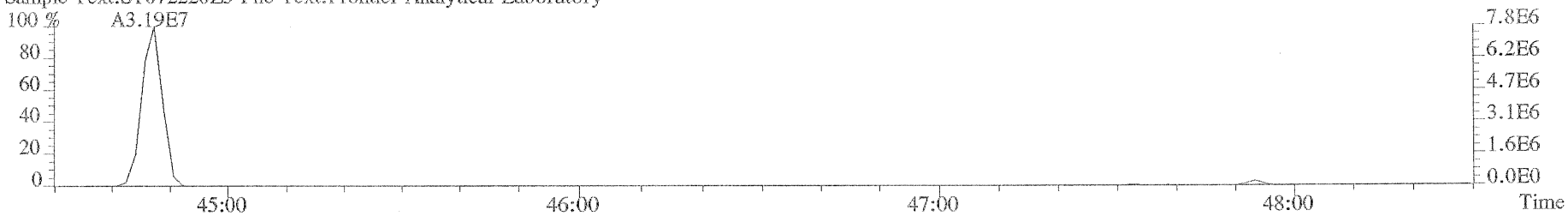
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



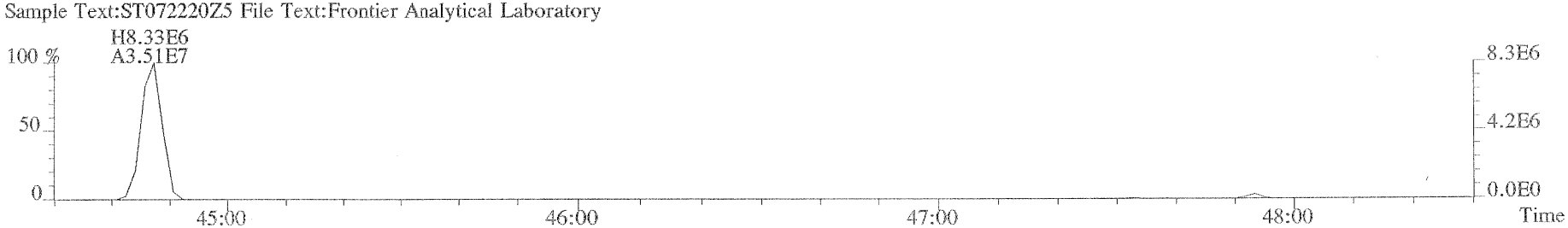
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



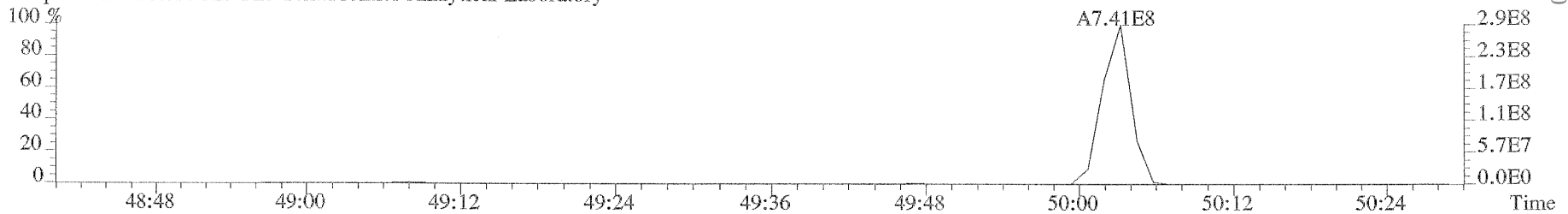
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



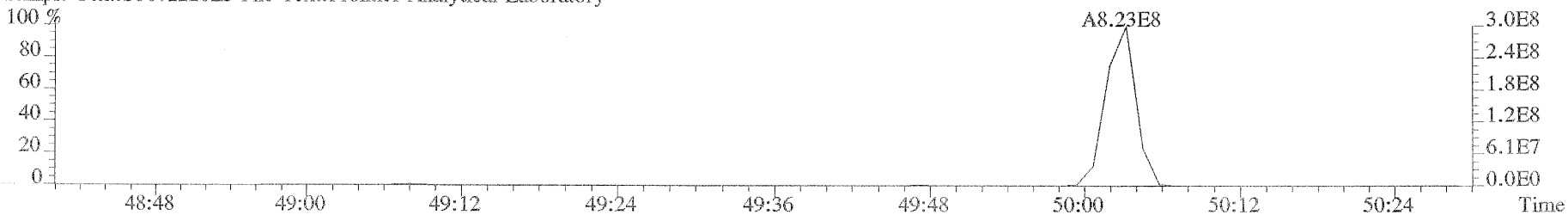
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



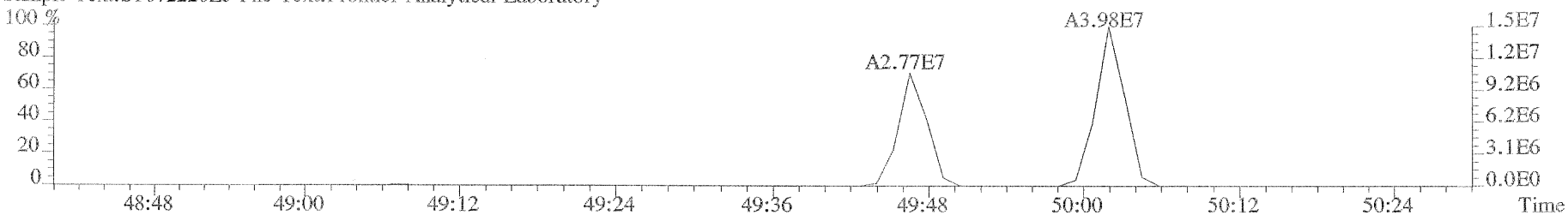
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



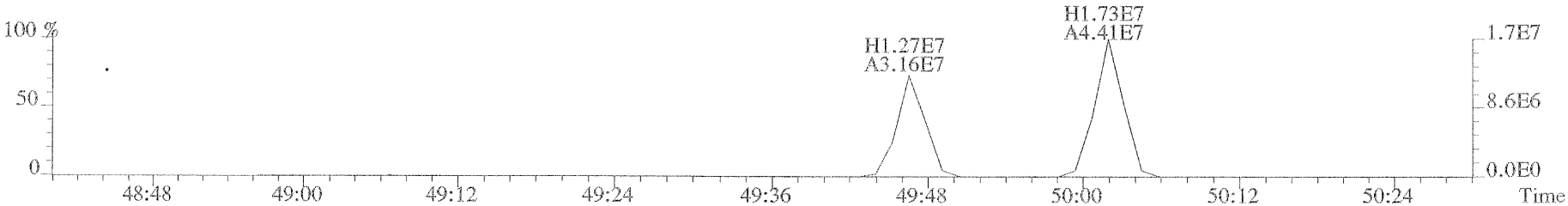
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



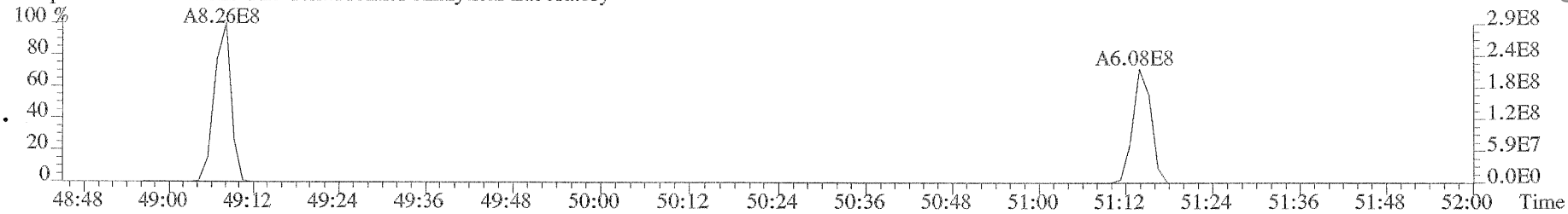
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



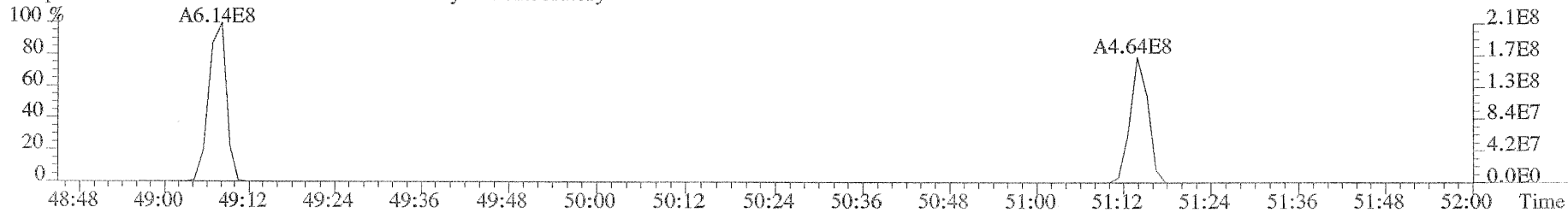
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



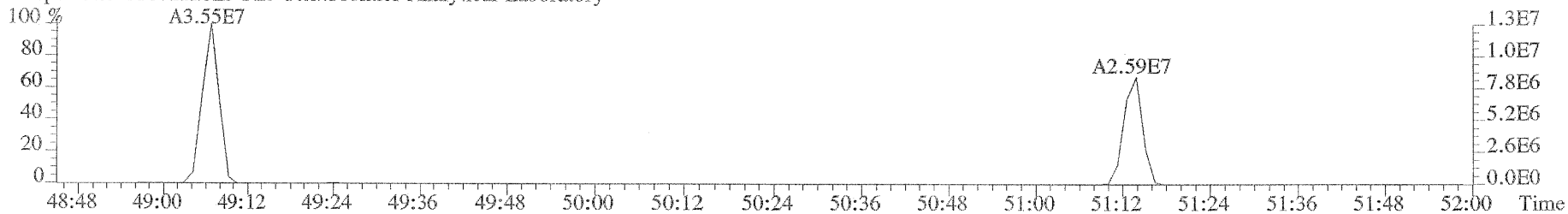
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



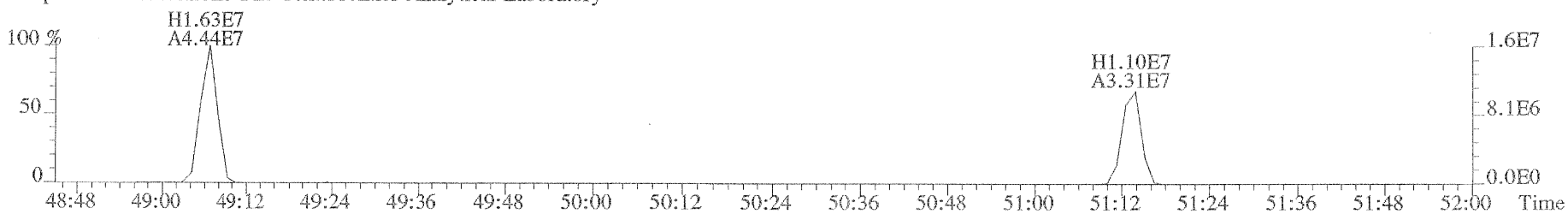
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



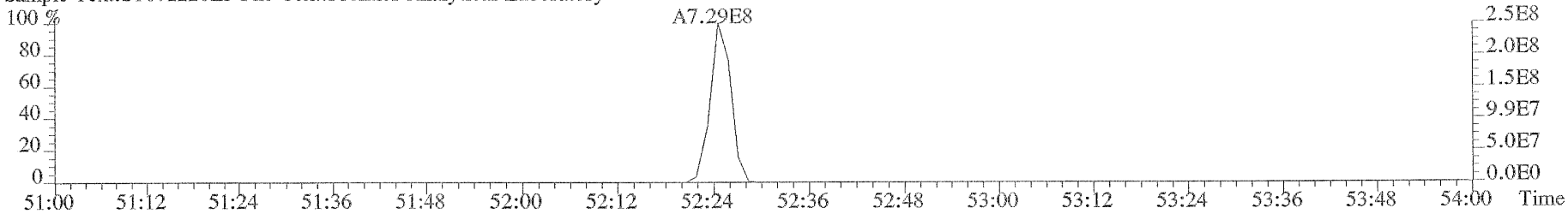
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



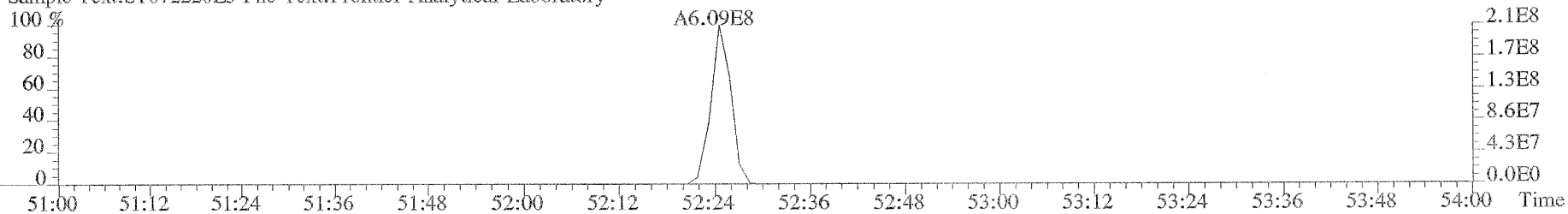
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



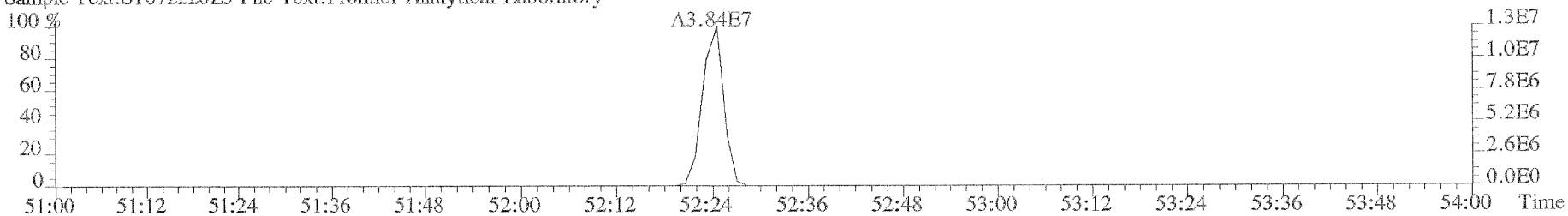
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



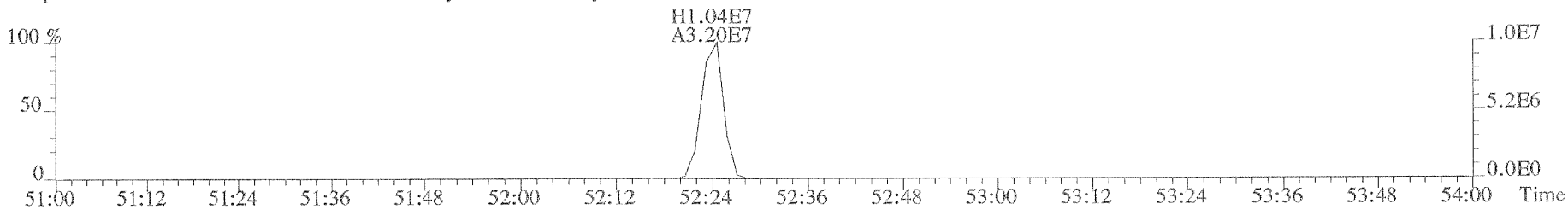
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



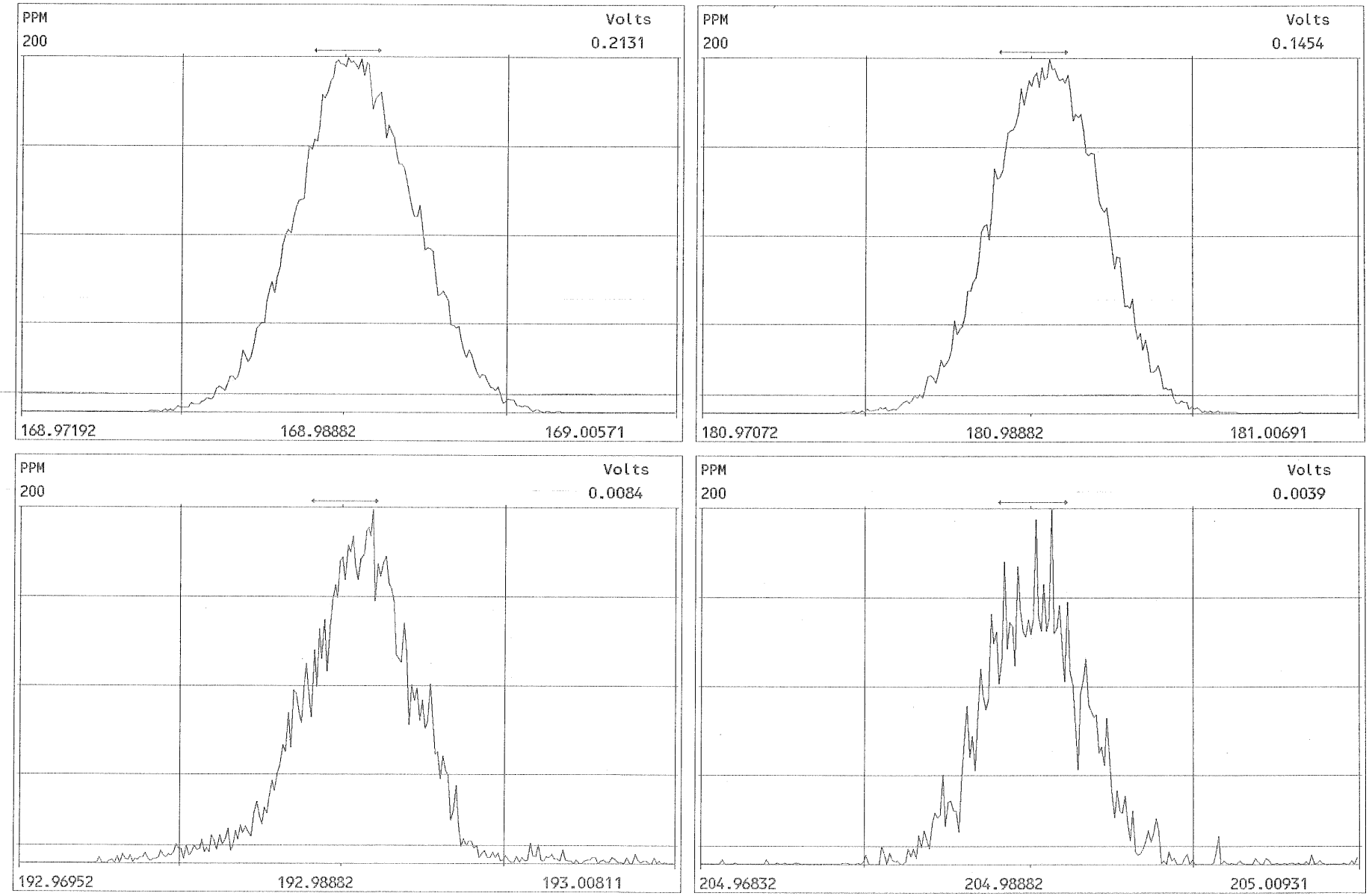
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

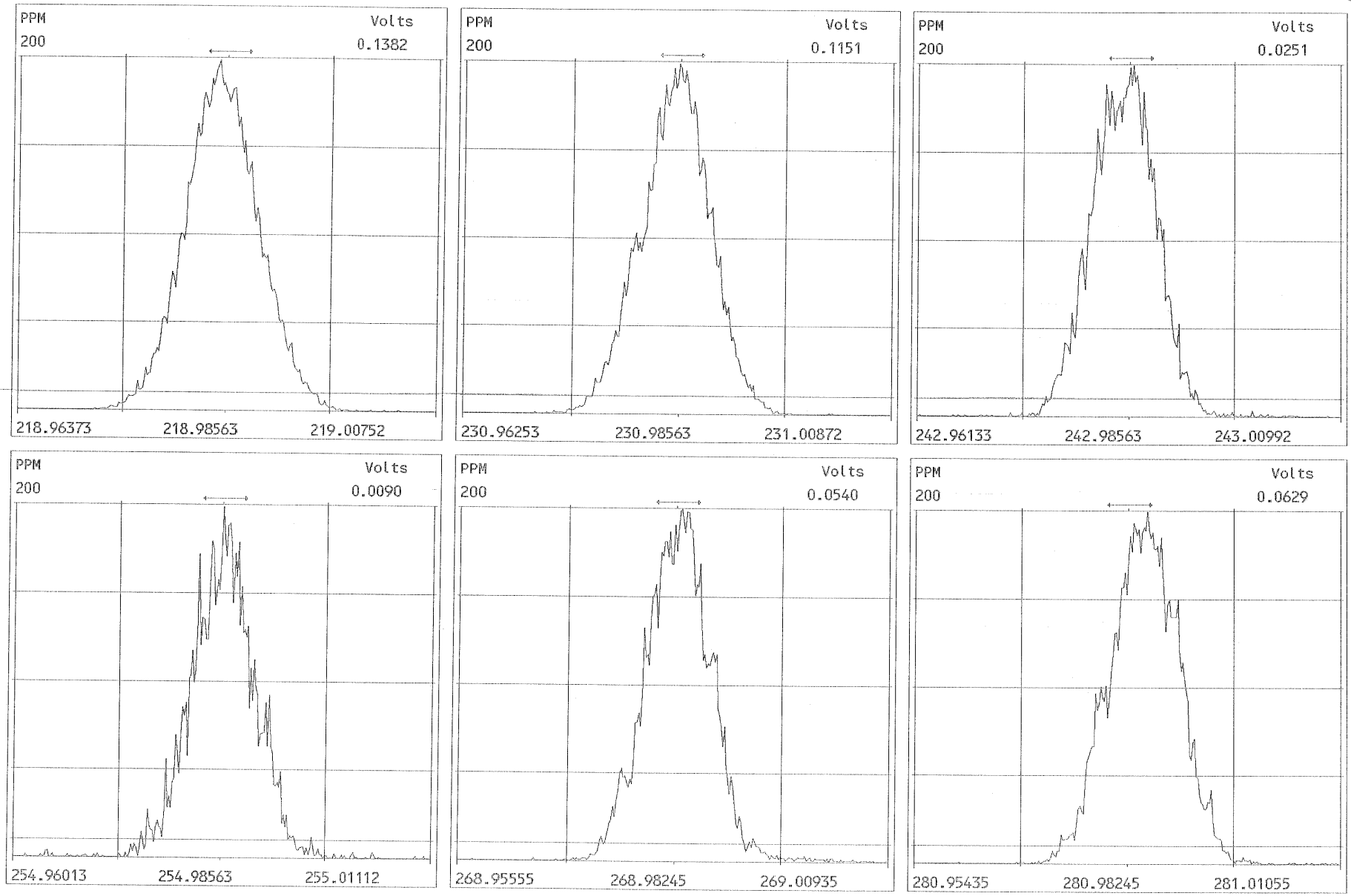


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

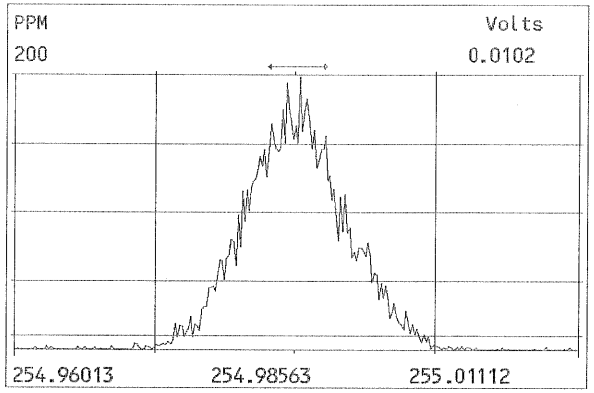


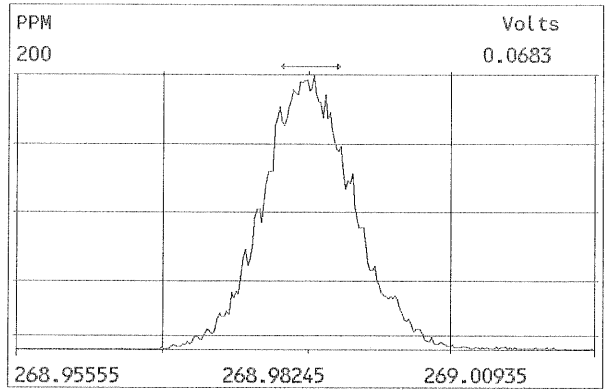
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

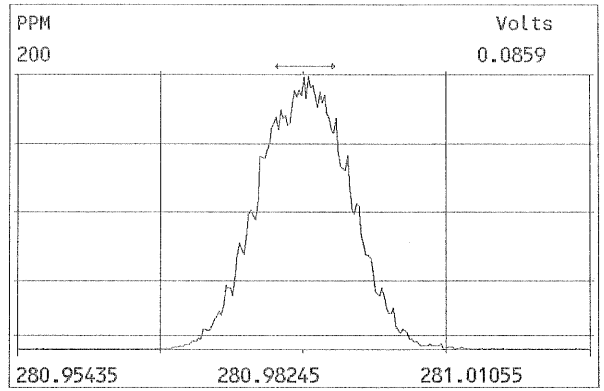
Experiment:1668PCB Function:2 Reference:PFK 98

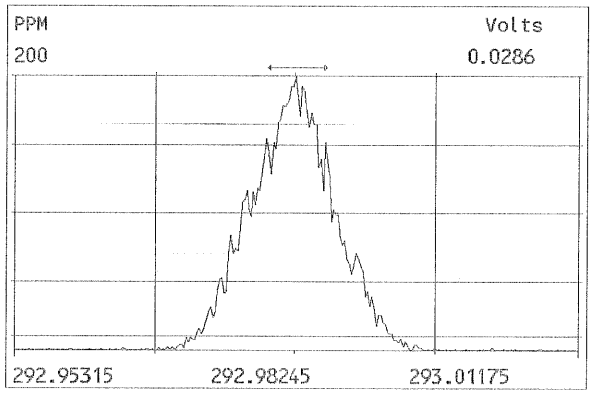


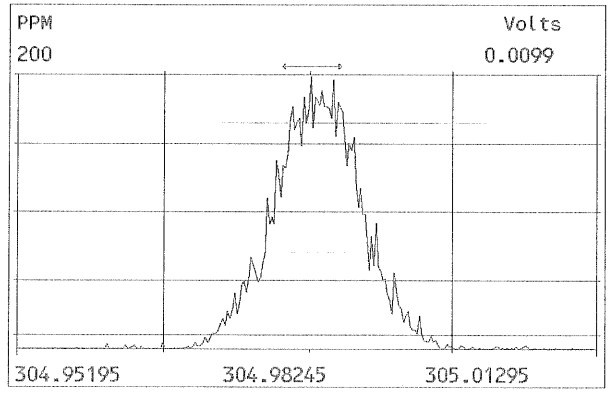
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

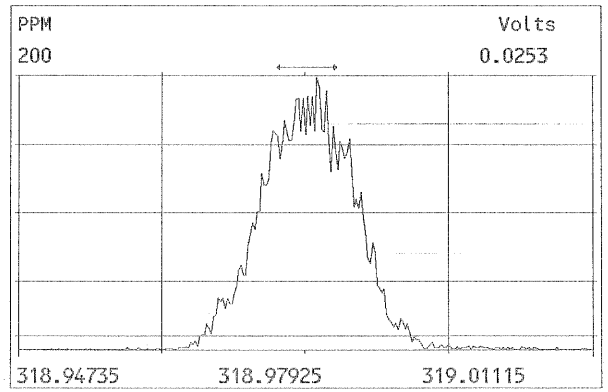


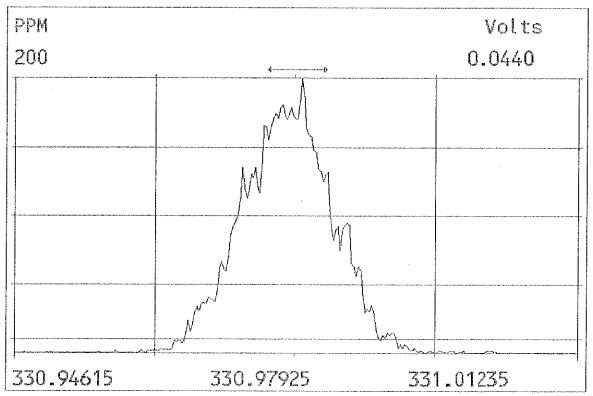


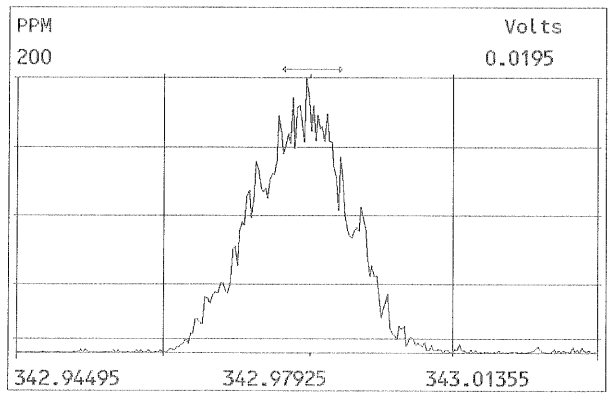




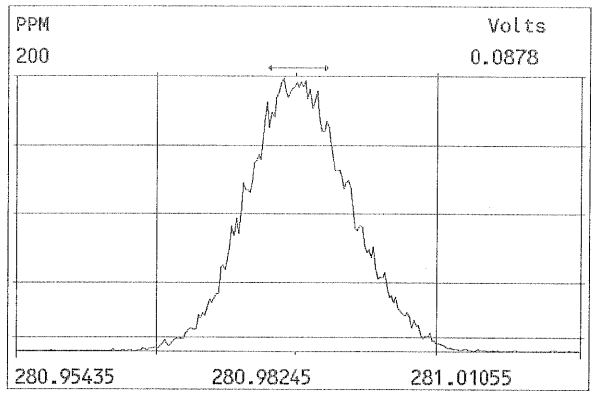


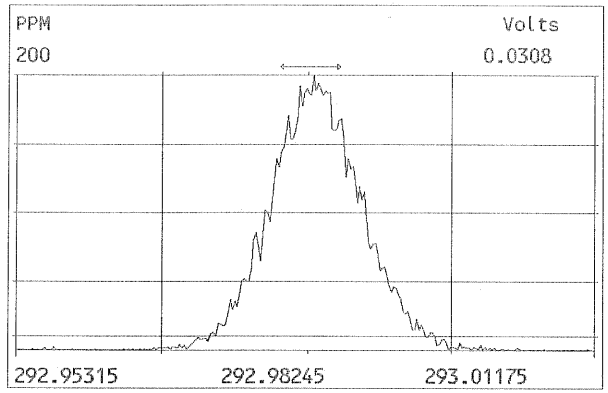


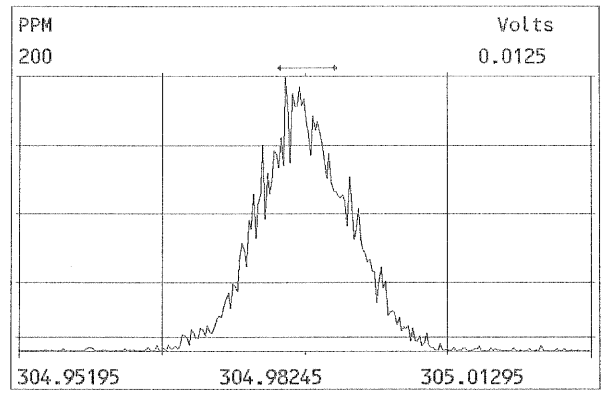


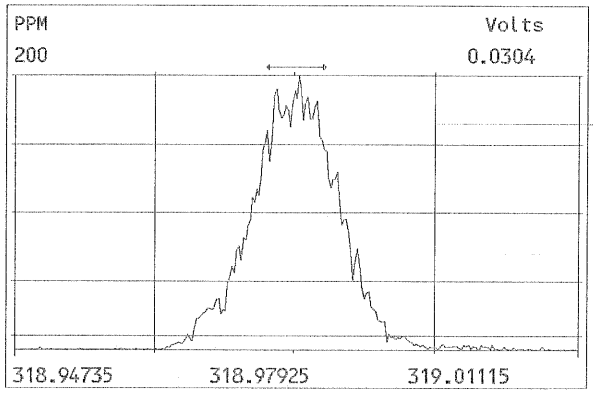


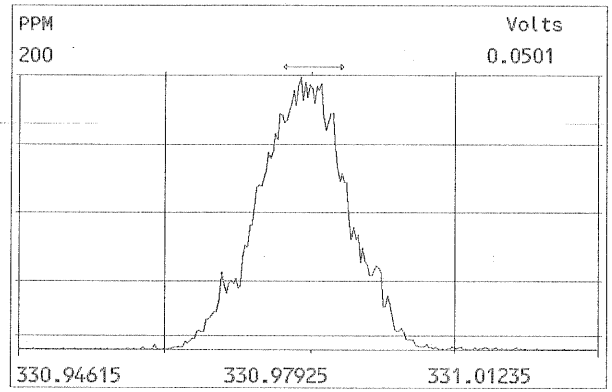
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK98

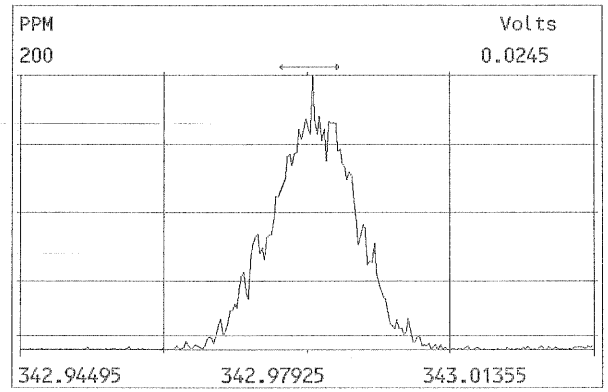


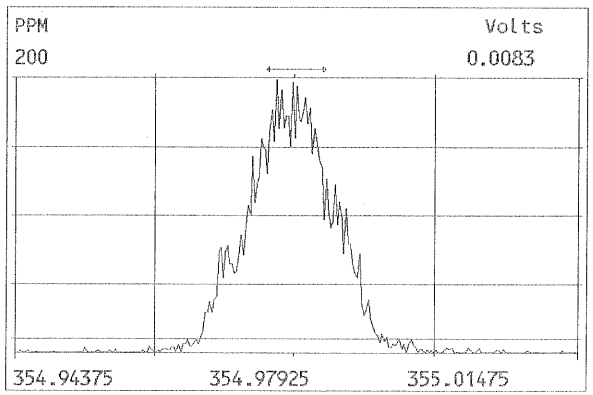


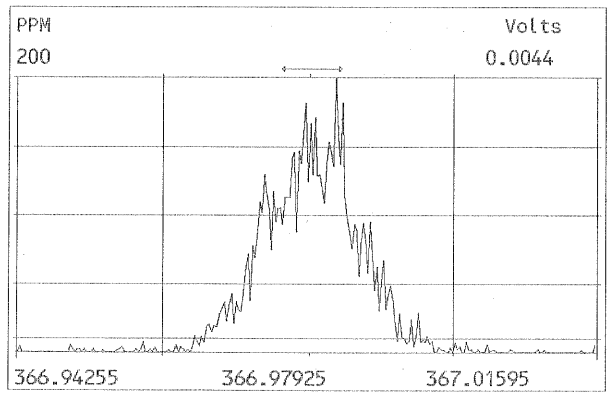


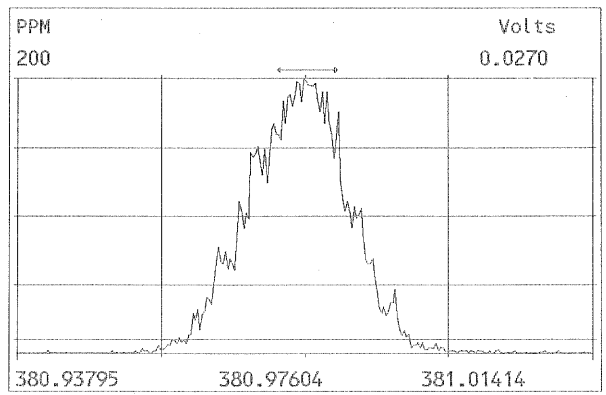




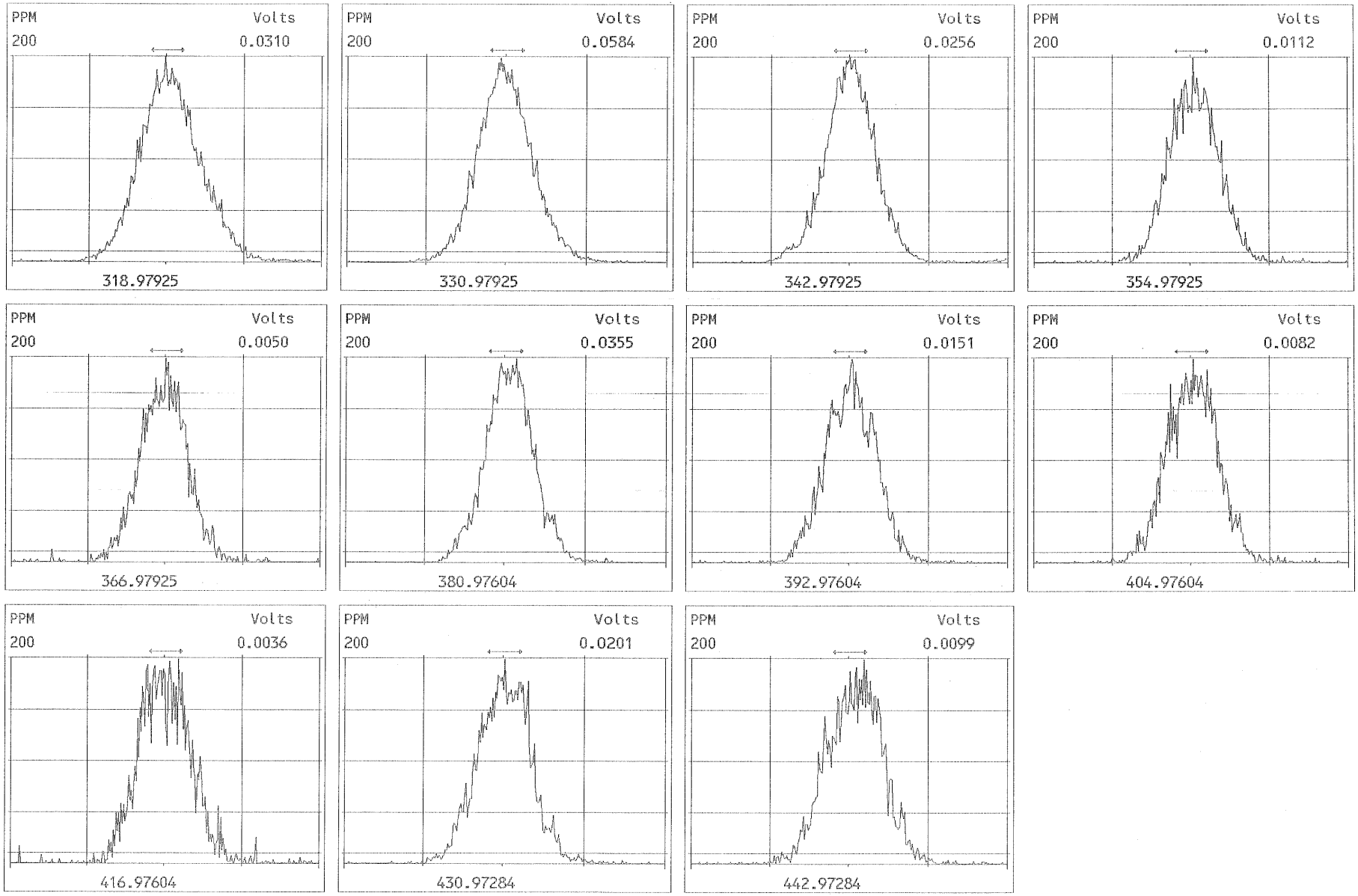




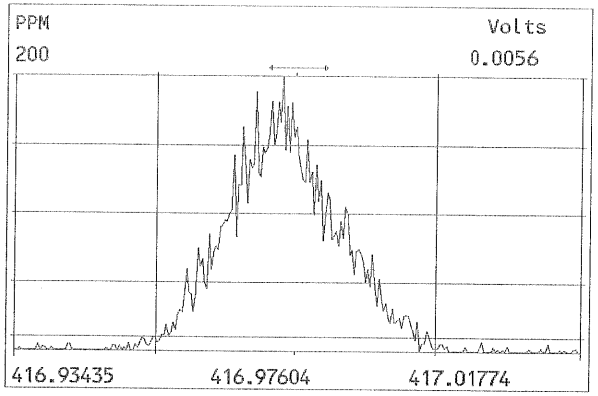


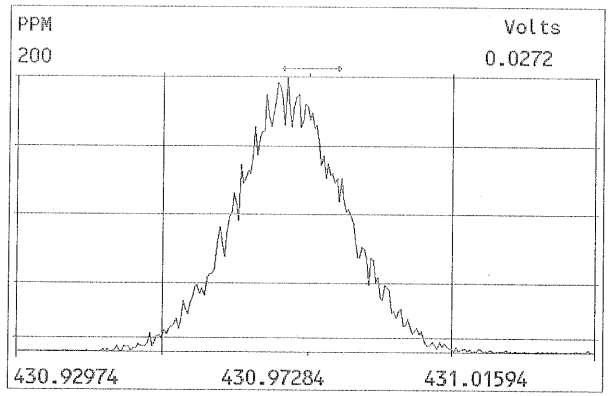


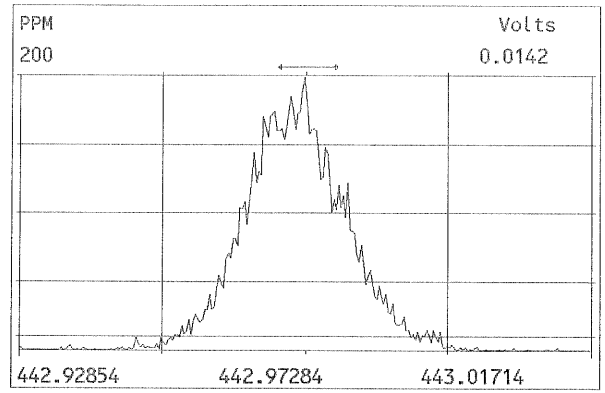
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

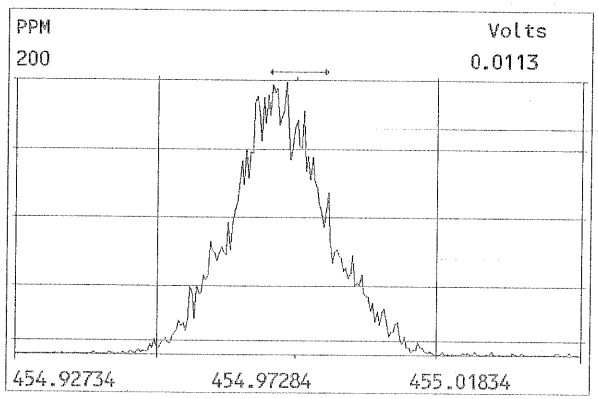


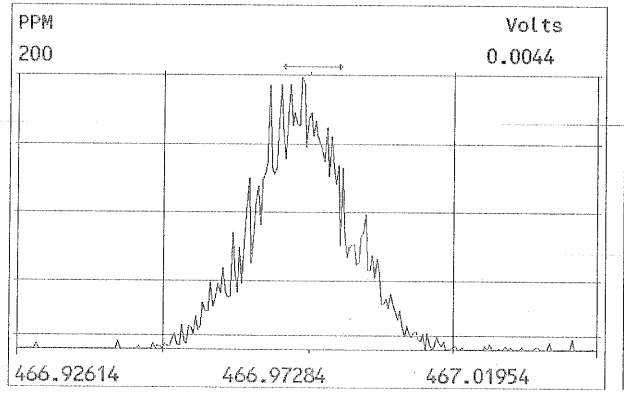
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

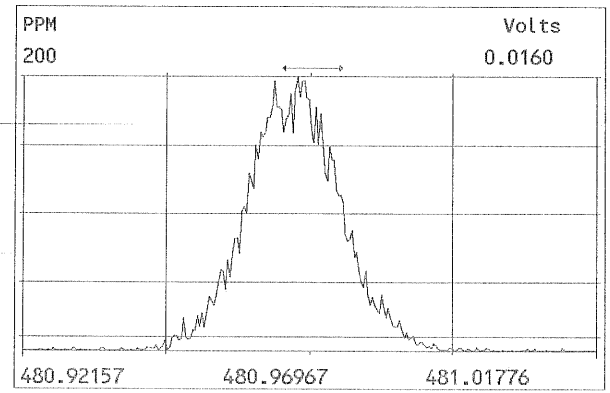


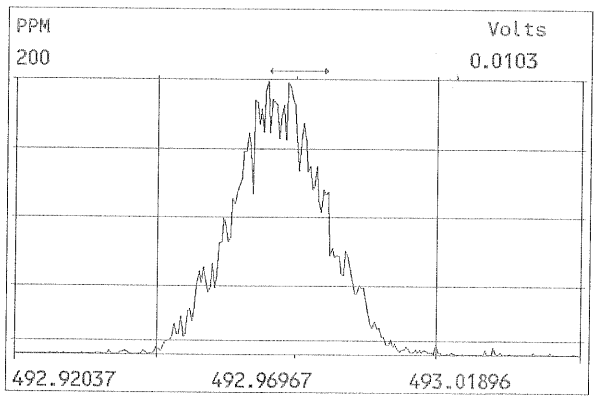


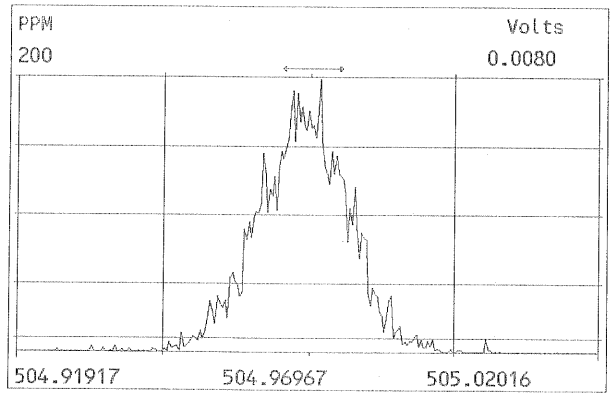


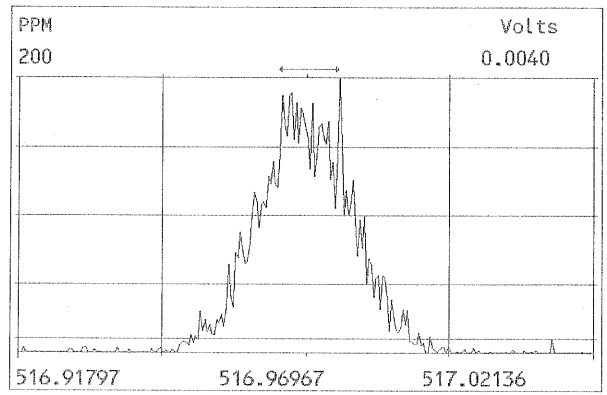












Cal: DAILY209FAL4-11-10-20

Run: 10NOV20Z Analyte: DAILY209FAL4-11-10-20 Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:10NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2321	-	1.23	
13C-PCB-1	0.8889	-	0.89	
PCB-2	1.2517	-	1.25	
PCB-3	1.2129	-	1.21	
13C-PCB-3	0.8683	-	0.87	
PCB-4	0.9732	-	0.97	
PCB-10	1.5227	-	1.52	
13C-PCB-4	0.6539	-	0.65	
PCB-9	1.4130	-	1.41	
PCB-7	1.4305	-	1.43	
PCB-6	1.3219	-	1.32	
PCB-8	1.3772	-	1.38	
PCB-5	1.3413	-	1.34	
PCB-14	1.3872	-	1.39	
PCB-11	1.2386	-	1.24	
PCB-13	1.2923	-	1.29	
PCB-12	1.3158	-	1.32	
PCB-15	1.1832	-	1.18	
13C-PCB-15	0.9599	-	0.96	
PCB-19	1.3527	-	1.35	
PCB-30	2.0102	-	2.01	
PCB-18	1.3449	-	1.34	
PCB-17	1.4783	-	1.48	
PCB-27	1.9366	-	1.94	
PCB-24	1.9290	-	1.93	
PCB-16	1.6359	-	1.64	
PCB-32	1.6932	-	1.69	
13C-PCB-19	0.4460	-	0.45	
13C-PCB-9	-	-	-	
PCB-34	1.2695	-	1.27	
PCB-23	1.3119	-	1.31	
PCB-29	1.3044	-	1.30	
PCB-26	1.2196	-	1.22	
PCB-25	1.2064	-	1.21	
PCB-31	1.1821	-	1.18	
PCB-28	1.5075	-	1.51	
PCB-20	1.2144	-	1.21	Co-elute PCB 21/33
PCB-21	1.2144	-	1.21	Co-elute PCB 20/33
PCB-33	1.2144	-	1.21	Co-elute PCB 20/21
PCB-22	1.3959	-	1.40	
PCB-36	1.2323	-	1.23	
PCB-39	1.2073	-	1.21	
PCB-38	1.1699	-	1.17	
PCB-35	1.1373	-	1.14	
PCB-37	1.1978	-	1.20	
13C-PCB-37	1.3996	-	1.40	

PCB-54	1.2410	-	1.24	
PCB-50	0.9157	-	0.92	
PCB-53	0.9138	-	0.91	
PCB-51	0.9822	-	0.98	
PCB-45	0.7920	-	0.79	
PCB-46	0.7775	-	0.78	
PCB-52	0.9121	-	0.91	Co-elute PCB 69
PCB-69	0.9121	-	0.91	Co-elute PCB 52
PCB-73	1.2259	-	1.23	
PCB-43	0.8228	-	0.82	Co-elute PCB 49
PCB-49	0.8228	-	0.82	Co-elute PCB 43
PCB-47	0.9021	-	0.90	
PCB-48	1.0532	-	1.05	Co-elute PCB 75
PCB-75	1.0532	-	1.05	Co-elute PCB 48
PCB-65	1.0868	-	1.09	
PCB-62	1.1203	-	1.12	
PCB-44	0.7332	-	0.73	
PCB-42	0.9600	-	0.96	Co-elute PCB 59
PCB-59	0.9600	-	0.96	Co-elute PCB 42
PCB-72	1.0480	-	1.05	Co-elute PCB 41/71/64
PCB-41	1.0480	-	1.05	Co-elute PCB 72/71/64
PCB-71	1.0480	-	1.05	Co-elute PCB 72/41/64
PCB-64	1.0480	-	1.05	Co-elute PCB 72/41/71
PCB-68	1.2808	-	1.28	
PCB-40	0.6876	-	0.69	
PCB-57	1.1301	-	1.13	
PCB-67	1.1675	-	1.17	
PCB-58	1.1278	-	1.13	
PCB-63	1.1336	-	1.13	
PCB-74	1.1547	-	1.15	
PCB-61	1.0601	-	1.06	Co-elute PCB 70
PCB-70	1.0601	-	1.06	Co-elute PCB 61
PCB-76	1.2059	-	1.21	Co-elute PCB 66
PCB-66	1.2059	-	1.21	Co-elute PCB 76
PCB-80	1.3688	-	1.37	
PCB-55	1.1908	-	1.19	
13C-PCB-54	1.2442	-	1.24	
PCB-104	1.1435	-	1.14	
PCB-96	1.1000	-	1.10	
PCB-103	0.9020	-	0.90	
PCB-100	0.9094	-	0.91	
PCB-94	0.7605	-	0.76	
PCB-98	0.7832	-	0.78	Co-elute PCB 102
PCB-102	0.7832	-	0.78	Co-elute PCB 98
PCB-95	0.8427	-	0.84	
PCB-93	0.7843	-	0.78	
PCB-88	0.8916	-	0.89	Co-elute PCB 91
PCB-91	0.8916	-	0.89	Co-elute PCB 88
PCB-121	0.9820	-	0.98	
13C-PCB-104	0.9802	-	0.98	
13C-PCB-28	1.7398	-	1.74	
13C-PCB-52	-	-	-	

PCB-56	1.2256	-	1.23	Co-elute PCB 60
PCB-60	1.2256	-	1.23	Co-elute PCB 56
PCB-79	1.2529	-	1.25	
PCB-78	1.2283	-	1.23	
PCB-81	1.2545	-	1.25	
13C-PCB-81	1.3344	-	1.33	
PCB-77	1.1110	-	1.11	
13C-PCB-77	1.3936	-	1.39	
PCB-155	1.0992	-	1.10	
PCB-150	1.0359	-	1.04	
PCB-152	1.0053	-	1.01	
PCB-145	1.0215	-	1.02	
PCB-136	0.9937	-	0.99	
PCB-148	0.7781	-	0.78	
PCB-154	0.8809	-	0.88	
13C-PCB-155	1.1848	-	1.18	
13C-PCB-111	1.2628	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.7806	-	0.78	Co-elute PCB 92
PCB-92	0.7806	-	0.78	Co-elute PCB 84
PCB-89	0.7688	-	0.77	
PCB-90	0.8527	-	0.85	Co-elute PCB 101
PCB-101	0.8527	-	0.85	Co-elute PCB 90
PCB-113	0.9623	-	0.96	
PCB-99	0.9394	-	0.94	
PCB-119	1.0622	-	1.06	
PCB-83	0.8774	-	0.88	Co-elute PCB 112
PCB-112	0.8774	-	0.88	Co-elute PCB 83
PCB-109	1.0384	-	1.04	
PCB-97	0.7328	-	0.73	
PCB-86	0.7611	-	0.76	
PCB-125	0.9437	-	0.94	Co-elute PCB 87/117
PCB-87	0.9437	-	0.94	Co-elute PCB 125/117
PCB-117	0.9437	-	0.94	Co-elute PCB 125/87
PCB-111	1.0645	-	1.06	Co-elute PCB 115
PCB-115	1.0645	-	1.06	Co-elute PCB 111
PCB-85	0.9601	-	0.96	Co-elute PCB 116
PCB-116	0.9601	-	0.96	Co-elute PCB 85
PCB-120	1.1394	-	1.14	
PCB-110	1.0863	-	1.09	
PCB-82	0.6556	-	0.66	
PCB-124	1.1885	-	1.19	
PCB-108	1.1389	-	1.14	Co-elute PCB 107
PCB-107	1.1389	-	1.14	Co-elute PCB 108
PCB-123	1.0855	-	1.09	
13C-PCB-123	1.2188	-	1.22	
PCB-118	1.1303	-	1.13	Co-elute PCB 106
PCB-106	1.1303	-	1.13	Co-elute PCB 118
13C-PCB-118	1.3026	-	1.30	
PCB-114	1.2120	-	1.21	
13C-PCB-114	1.2860	-	1.29	
PCB-122	1.1327	-	1.13	
PCB-105	1.1805	-	1.18	
13C-PCB-105	1.2706	-	1.27	
PCB-127	1.0954	-	1.10	
PCB-126	1.1472	-	1.15	
13C-PCB-126	1.1594	-	1.16	

PCB-151	0.9320	-	0.93	
PCB-135	0.9542	-	0.95	
PCB-144	0.9586	-	0.96	
PCB-147	1.0051	-	1.01	
PCB-139	1.0116	-	1.01	Co-elute PCB 149
PCB-149	1.0116	-	1.01	Co-elute PCB 139
PCB-140	1.0403	-	1.04	
PCB-143	0.8672	-	0.87	Co-elute PCB 134
PCB-134	0.8672	-	0.87	Co-elute PCB 143
PCB-131	0.8784	-	0.88	Co-elute PCB 133
PCB-133	0.8784	-	0.88	Co-elute PCB 131
PCB-142	0.8889	-	0.89	
PCB-165	1.1426	-	1.14	Co-elute PCB 146
PCB-146	1.1426	-	1.14	Co-elute PCB 165
PCB-161	1.1075	-	1.11	Co-elute PCB 132
PCB-132	1.1075	-	1.11	Co-elute PCB 161
PCB-153	1.1213	-	1.12	
PCB-168	1.2510	-	1.25	
PCB-141	0.9709	-	0.97	
PCB-137	1.0164	-	1.02	
PCB-130	0.8150	-	0.82	
PCB-138	1.1407	-	1.14	Co-elute PCB 163/164
PCB-163	1.1407	-	1.14	Co-elute PCB 138/164
PCB-164	1.1407	-	1.14	Co-elute PCB 138/163
PCB-158	1.2606	-	1.26	Co-elute PCB 160
PCB-160	1.2606	-	1.26	Co-elute PCB 158
PCB-129	0.8320	-	0.83	
PCB-166	1.2214	-	1.22	
PCB-159	1.2791	-	1.28	
PCB-128	1.0754	-	1.08	Co-elute PCB 162
PCB-162	1.0754	-	1.08	Co-elute PCB 128
PCB-167	1.1858	-	1.19	
13C-PCB-167	1.1272	-	1.13	
PCB-156	1.2143	-	1.21	
13C-PCB-156	1.0880	-	1.09	
PCB-157	1.1924	-	1.19	
13C-PCB-157	1.0929	-	1.09	
PCB-169	1.1176	-	1.12	
13C-PCB-169	1.0406	-	1.04	
PCB-188	1.0935	-	1.09	
13C-PCB-188	1.0621	-	1.06	

PCB-184	1.2741	-	1.27	
PCB-179	1.1955	-	1.20	
PCB-176	1.1519	-	1.15	
PCB-186	1.1764	-	1.18	
PCB-178	0.8429	-	0.84	
PCB-175	0.8846	-	0.88	
PCB-187	0.9313	-	0.93	Co-elute PCB 182
PCB-182	0.9313	-	0.93	Co-elute PCB 187
PCB-183	0.9409	-	0.94	
PCB-185	0.8667	-	0.87	
PCB-174	0.7938	-	0.79	
PCB-181	0.9322	-	0.93	
PCB-177	0.8171	-	0.82	
PCB-171	0.8731	-	0.87	
PCB-173	0.7626	-	0.76	
PCB-172	0.7980	-	0.80	
PCB-192	1.0613	-	1.06	
PCB-180	0.8215	-	0.82	
PCB-193	1.1329	-	1.13	
PCB-191	1.1361	-	1.14	
PCB-170	0.7825	-	0.78	
PCB-190	1.0518	-	1.05	
PCB-189	1.0874	-	1.09	
13C-PCB-189	0.8904	-	0.89	
PCB-202	1.1117	-	1.11	
PCB-201	1.1992	-	1.20	
PCB-204	1.1955	-	1.20	
PCB-197	1.2694	-	1.27	
PCB-200	1.2370	-	1.24	
PCB-198	0.9043	-	0.90	
PCB-199	0.8383	-	0.84	
PCB-203	0.9610	-	0.96	Co-elute PCB 196
PCB-196	0.9610	-	0.96	Co-elute PCB 203
13C-PCB-202	0.7530	-	0.75	
13C-PCB-178	0.8043	-	0.80	
13C-PCB-138	-	-	-	
PCB-195	0.8848	-	0.88	
PCB-194	0.8665	-	0.87	
PCB-205	1.0837	-	1.08	
13C-PCB-205	1.2562	-	1.26	
PCB-208	1.0819	-	1.08	
13C-PCB-208	1.2731	-	1.27	
PCB-207	1.2528	-	1.25	
PCB-206	1.1102	-	1.11	
13C-PCB-206	0.8657	-	0.87	
PCB-209	1.1941	-	1.19	
13C-PCB-209	1.0078	-	1.01	
13C-PCB-194	-	-	-	

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

Run #1 Filename 10NOV20Z S: 1 Acquired: 10-NOV-20 07:28:49 Cal: DAILY209FAL4-11-10-20
Client ID: ST111020Z1 Analyte: DAILY209FAL4-11-10-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.96e+07	3.20 y	14:32	-	1.23	
2	IS/RT	13C-PCB-1	100.00	6.42e+07	3.20 y	14:31	-	0.889	
3	Unk	PCB-2	50.00	3.97e+07	3.18 y	16:45	-	1.25	
4	Unk	PCB-3	50.00	3.80e+07	3.17 y	16:58	-	1.21	
5	IS/RT	13C-PCB-3	100.00	6.27e+07	3.23 y	16:57	-	0.868	
6	Unk	PCB-4	50.00	2.30e+07	1.47 y	18:14	-	0.973	
7	Unk	PCB-10	50.00	4.44e+07	1.59 y	18:17	-	1.52	
8	IS/RT	13C-PCB-4	100.00	4.72e+07	1.57 y	18:12	-	0.654	
9	Unk	PCB-9	50.00	4.12e+07	1.48 y	19:55	-	1.41	
10	Unk	PCB-7	50.00	4.17e+07	1.58 y	19:57	-	1.43	
11	Unk	PCB-6	50.00	3.85e+07	1.53 y	20:32	-	1.32	
12	Unk	PCB-8	50.00	4.01e+07	1.55 y	20:55	-	1.38	
13	Unk	PCB-5	50.00	3.91e+07	1.46 y	20:57	-	1.34	
14	Unk	PCB-14	50.00	4.04e+07	1.54 y	21:58	-	1.39	
15	Unk	PCB-11	50.00	3.61e+07	1.50 y	23:06	-	1.24	
16	Unk	PCB-13	50.00	3.77e+07	1.51 y	23:25	-	1.29	
17	Unk	PCB-12	50.00	3.84e+07	1.53 y	23:29	-	1.32	
18	Unk	PCB-15	50.00	4.10e+07	1.53 y	23:45	-	1.18	
19	IS/RT	13C-PCB-15	100.00	6.93e+07	1.60 y	23:44	-	0.960	
20	Unk	PCB-19	50.00	2.18e+07	1.10 y	22:08	-	1.35	
21	Unk	PCB-30	50.00	3.24e+07	1.09 y	22:59	-	2.01	
22	Unk	PCB-18	50.00	2.17e+07	1.08 y	23:40	-	1.34	
23	Unk	PCB-17	50.00	2.38e+07	1.08 y	23:50	-	1.48	
24	Unk	PCB-27	50.00	3.12e+07	1.06 y	24:22	-	1.94	
25	Unk	PCB-24	50.00	3.11e+07	1.08 y	24:23	-	1.93	
26	Unk	PCB-16	50.00	2.64e+07	1.02 y	24:52	-	1.64	
27	Unk	PCB-32	50.00	2.73e+07	1.09 y	24:53	-	1.69	
28	IS/RT	13C-PCB-19	100.00	3.22e+07	1.08 y	22:06	-	0.446	
29	RS	13C-PCB-9	100.00	7.22e+07	1.56 y	19:53	7.22e+05	-	
30	Unk	PCB-34	50.00	3.45e+07	1.02 y	25:38	-	1.27	
31	Unk	PCB-23	50.00	3.57e+07	1.07 y	25:43	-	1.31	
32	Unk	PCB-29	50.00	3.55e+07	1.06 y	25:57	-	1.30	
33	Unk	PCB-26	50.00	3.32e+07	1.07 y	26:09	-	1.22	
34	Unk	PCB-25	50.00	3.28e+07	1.06 y	26:18	-	1.21	
35	Unk	PCB-31	50.00	3.22e+07	1.07 y	26:38	-	1.18	
36	Unk	PCB-28	50.00	4.10e+07	1.05 y	26:45	-	1.51	
37	Unk	PCB-20	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.80e+07	1.07 y	27:44	-	1.40	
41	Unk	PCB-36	50.00	3.35e+07	1.06 y	28:20	-	1.23	
42	Unk	PCB-39	50.00	3.28e+07	1.08 y	28:46	-	1.21	
43	Unk	PCB-38	50.00	3.18e+07	1.06 y	29:30	-	1.17	
44	Unk	PCB-35	50.00	3.09e+07	1.06 y	29:59	-	1.14	
45	Unk	PCB-37	50.00	3.26e+07	1.06 y	30:25	-	1.20	
46	IS	13C-PCB-37	100.00	5.44e+07	1.09 y	30:23	-	1.40	

47	Unk	PCB-54	100.00	6.00e+07	0.78 y	25:40	-	1.24	
48	Unk	PCB-50	100.00	4.43e+07	0.78 y	26:47	-	0.916	
49	Unk	PCB-53	100.00	4.42e+07	0.78 y	27:23	-	0.914	
50	Unk	PCB-51	100.00	4.75e+07	0.78 y	27:43	-	0.982	
51	Unk	PCB-45	100.00	3.83e+07	0.78 y	28:07	-	0.792	
52	Unk	PCB-46	100.00	3.76e+07	0.79 y	28:35	-	0.777	
53	Unk	PCB-52	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 69
54	Unk	PCB-69	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.93e+07	0.78 y	29:08	-	1.23	
56	Unk	PCB-43	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 43
58	Unk	PCB-47	100.00	4.36e+07	0.77 y	29:30	-	0.902	
59	Unk	PCB-48	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 75
60	Unk	PCB-75	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 48
61	Unk	PCB-65	100.00	5.26e+07	0.84 y	29:52	-	1.09	
62	Unk	PCB-62	100.00	5.42e+07	0.71 y	29:58	-	1.12	
63	Unk	PCB-44	100.00	3.55e+07	0.77 y	30:15	-	0.733	
64	Unk	PCB-42	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 59
65	Unk	PCB-59	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 42
66	Unk	PCB-72	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	6.20e+07	0.80 y	31:15	-	1.28	
71	Unk	PCB-40	100.00	3.33e+07	0.76 y	31:28	-	0.688	
72	Unk	PCB-57	100.00	5.47e+07	0.77 y	31:48	-	1.13	
73	Unk	PCB-67	100.00	5.65e+07	0.77 y	32:06	-	1.17	
74	Unk	PCB-58	100.00	5.46e+07	0.79 y	32:12	-	1.13	
75	Unk	PCB-63	100.00	5.48e+07	0.78 y	32:22	-	1.13	
76	Unk	PCB-74	100.00	5.59e+07	0.79 y	32:39	-	1.15	
77	Unk	PCB-61	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 70
78	Unk	PCB-70	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 76
81	Unk	PCB-80	100.00	6.62e+07	0.79 y	33:14	-	1.37	
82	Unk	PCB-55	100.00	5.76e+07	0.77 y	33:32	-	1.19	
83	IS/RT	13C-PCB-54	100.00	4.84e+07	0.82 y	25:39	-	1.24	
84	Unk	PCB-104	100.00	4.36e+07	1.57 y	30:07	-	1.14	
85	Unk	PCB-96	100.00	4.19e+07	1.57 y	31:19	-	1.10	
86	Unk	PCB-103	100.00	3.44e+07	1.55 y	31:49	-	0.902	
87	Unk	PCB-100	100.00	3.47e+07	1.57 y	32:10	-	0.909	
88	Unk	PCB-94	100.00	2.90e+07	1.55 y	32:36	-	0.761	
89	Unk	PCB-98	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 102
90	Unk	PCB-102	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 98
91	Unk	PCB-95	100.00	3.21e+07	1.64 y	33:07	-	0.843	
92	Unk	PCB-93	100.00	2.99e+07	1.62 y	33:12	-	0.784	
93	Unk	PCB-88	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 91
94	Unk	PCB-91	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 88
95	Unk	PCB-121	100.00	3.74e+07	1.60 y	33:34	-	0.982	
96	IS	13C-PCB-104	100.00	3.81e+07	1.60 y	30:06	-	0.980	
97	C/Up	13C-PCB-28	100.00	6.76e+07	1.06 y	26:44	-	1.74	
98	RS	13C-PCB-52	100.00	3.89e+07	0.79 y	29:00	3.89e+05	-	
99	Unk	PCB-56	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.01e+07	0.80 y	35:01	-	1.25	
102	Unk	PCB-78	100.00	5.89e+07	0.80 y	35:41	-	1.23	
103	Unk	PCB-81	100.00	5.89e+07	0.80 y	36:11	-	1.25	
104	IS	13C-PCB-81	100.00	4.69e+07	0.79 y	36:10	-	1.33	
105	Unk	PCB-77	100.00	5.44e+07	0.80 y	36:45	-	1.11	
106	IS/RT	13C-PCB-77	100.00	4.90e+07	0.80 y	36:44	-	1.39	
107	Unk	PCB-155	100.00	4.58e+07	1.27 y	34:17	-	1.10	
108	Unk	PCB-150	100.00	4.32e+07	1.24 y	35:29	-	1.04	
109	Unk	PCB-152	100.00	4.19e+07	1.26 y	35:56	-	1.01	
110	Unk	PCB-145	100.00	4.26e+07	1.26 y	36:21	-	1.02	
111	Unk	PCB-136	100.00	4.14e+07	1.25 y	36:40	-	0.994	
112	Unk	PCB-148	100.00	3.24e+07	1.27 y	36:45	-	0.778	
113	Unk	PCB-154	100.00	3.67e+07	1.25 y	37:13	-	0.881	
114	IS	13C-PCB-155	100.00	4.17e+07	1.29 y	34:16	-	1.18	
115	C/Up	13C-PCB-111	100.00	4.44e+07	1.59 y	36:20	-	1.26	
116	RS	13C-PCB-101	100.00	3.52e+07	1.61 y	34:41	3.52e+05	-	
117	Unk	PCB-84	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 92
118	Unk	PCB-92	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 84
119	Unk	PCB-89	100.00	3.53e+07	1.54 y	34:32	-	0.769	
120	Unk	PCB-90	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 101
121	Unk	PCB-101	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 90
122	Unk	PCB-113	100.00	4.42e+07	1.54 y	34:56	-	0.962	
123	Unk	PCB-99	100.00	4.31e+07	1.56 y	35:01	-	0.939	
124	Unk	PCB-119	100.00	4.88e+07	1.57 y	35:28	-	1.06	
125	Unk	PCB-83	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 112
126	Unk	PCB-112	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 83
127	Unk	PCB-109	100.00	4.77e+07	1.55 y	35:47	-	1.04	
128	Unk	PCB-97	100.00	3.37e+07	1.58 y	35:57	-	0.733	
129	Unk	PCB-86	100.00	3.50e+07	1.52 y	36:06	-	0.761	
130	Unk	PCB-125	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 115
134	Unk	PCB-115	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 111
135	Unk	PCB-85	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 116
136	Unk	PCB-116	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 85
137	Unk	PCB-120	100.00	5.23e+07	1.57 y	36:43	-	1.14	
138	Unk	PCB-110	100.00	4.99e+07	1.56 y	36:50	-	1.09	
139	Unk	PCB-82	100.00	3.01e+07	1.54 y	37:27	-	0.656	
140	Unk	PCB-124	100.00	5.46e+07	1.54 y	38:06	-	1.19	
141	Unk	PCB-108	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.79e+07	1.55 y	38:24	-	1.09	
144	IS	13C-PCB-123	100.00	4.41e+07	1.59 y	38:23	-	1.22	
145	Unk	PCB-118	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.71e+07	1.61 y	38:33	-	1.30	
148	Unk	PCB-114	100.00	5.64e+07	1.54 y	39:10	-	1.21	
149	IS	13C-PCB-114	100.00	4.65e+07	1.60 y	39:10	-	1.29	
150	Unk	PCB-122	100.00	5.20e+07	1.58 y	39:19	-	1.13	
151	Unk	PCB-105	100.00	5.43e+07	1.55 y	40:00	-	1.18	
152	IS	13C-PCB-105	100.00	4.60e+07	1.60 y	39:58	-	1.27	
153	Unk	PCB-127	100.00	5.03e+07	1.56 y	40:18	-	1.10	
154	Unk	PCB-126	100.00	4.81e+07	1.57 y	42:07	-	1.15	
155	IS	13C-PCB-126	100.00	4.19e+07	1.59 y	42:05	-	1.16	

156	Unk	PCB-151	100.00	3.67e+07	1.29 y	37:50	-	0.932	
157	Unk	PCB-135	100.00	3.75e+07	1.26 y	38:03	-	0.954	
158	Unk	PCB-144	100.00	3.77e+07	1.29 y	38:10	-	0.959	
159	Unk	PCB-147	100.00	3.95e+07	1.28 y	38:16	-	1.01	
160	Unk	PCB-139	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 149
161	Unk	PCB-149	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 139
162	Unk	PCB-140	100.00	4.09e+07	1.27 y	38:42	-	1.04	
163	Unk	PCB-143	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.50e+07	1.25 y	39:33	-	0.889	
168	Unk	PCB-165	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 165
170	Unk	PCB-161	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 132
171	Unk	PCB-132	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.41e+07	1.27 y	40:08	-	1.12	
173	Unk	PCB-168	100.00	4.92e+07	1.27 y	40:20	-	1.25	
174	Unk	PCB-141	100.00	3.82e+07	1.25 y	40:51	-	0.971	
175	Unk	PCB-137	100.00	4.00e+07	1.24 y	41:12	-	1.02	
176	Unk	PCB-130	100.00	3.21e+07	1.27 y	41:17	-	0.815	
177	Unk	PCB-138	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 158
182	Unk	PCB-129	100.00	3.27e+07	1.26 y	42:07	-	0.832	
183	Unk	PCB-166	100.00	4.80e+07	1.26 y	42:33	-	1.22	
184	Unk	PCB-159	100.00	5.03e+07	1.25 y	42:51	-	1.28	
185	Unk	PCB-128	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 162
186	Unk	PCB-162	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.84e+07	1.26 y	43:29	-	1.19	
188	IS	13C-PCB-167	100.00	4.08e+07	1.29 y	43:29	-	1.13	
189	Unk	PCB-156	100.00	4.78e+07	1.26 y	44:43	-	1.21	
190	IS	13C-PCB-156	100.00	3.94e+07	1.27 y	44:41	-	1.09	
191	Unk	PCB-157	100.00	4.71e+07	1.27 y	44:58	-	1.19	
192	IS	13C-PCB-157	100.00	3.95e+07	1.27 y	44:58	-	1.09	
193	Unk	PCB-169	100.00	4.21e+07	1.26 y	46:48	-	1.12	
194	IS	13C-PCB-169	100.00	3.77e+07	1.28 y	46:48	-	1.04	
195	Unk	PCB-188	100.00	4.20e+07	1.05 y	39:47	-	1.09	
196	IS	13C-PCB-188	100.00	3.84e+07	1.08 y	39:47	-	1.06	

197	Unk	PCB-184	100.00	4.50e+07	1.06 y	40:13	-	1.27	
198	Unk	PCB-179	100.00	4.22e+07	1.05 y	40:57	-	1.20	
199	Unk	PCB-176	100.00	4.07e+07	1.04 y	41:24	-	1.15	
200	Unk	PCB-186	100.00	4.16e+07	1.04 y	41:58	-	1.18	
201	Unk	PCB-178	100.00	2.98e+07	1.05 y	42:25	-	0.843	
202	Unk	PCB-175	100.00	3.12e+07	1.05 y	42:44	-	0.885	
203	Unk	PCB-187	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 182
204	Unk	PCB-182	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 187
205	Unk	PCB-183	100.00	3.32e+07	1.05 y	43:12	-	0.941	
206	Unk	PCB-185	100.00	3.06e+07	1.06 y	43:50	-	0.867	
207	Unk	PCB-174	100.00	2.80e+07	1.03 y	44:12	-	0.794	
208	Unk	PCB-181	100.00	3.29e+07	1.07 y	44:17	-	0.932	
209	Unk	PCB-177	100.00	2.89e+07	1.06 y	44:26	-	0.817	
210	Unk	PCB-171	100.00	3.08e+07	1.05 y	44:43	-	0.873	
211	Unk	PCB-173	100.00	2.69e+07	1.04 y	45:08	-	0.763	
212	Unk	PCB-172	100.00	2.82e+07	1.05 y	45:31	-	0.798	
213	Unk	PCB-192	100.00	3.75e+07	1.05 y	45:41	-	1.06	
214	Unk	PCB-180	100.00	2.90e+07	1.04 y	45:52	-	0.821	
215	Unk	PCB-193	100.00	4.00e+07	1.08 y	46:02	-	1.13	
216	Unk	PCB-191	100.00	4.01e+07	1.07 y	46:13	-	1.14	
217	Unk	PCB-170	100.00	2.76e+07	1.07 y	47:08	-	0.783	
218	Unk	PCB-190	100.00	3.72e+07	1.07 y	47:18	-	1.05	
219	Unk	PCB-189	100.00	3.50e+07	1.04 y	48:28	-	1.09	
220	IS	13C-PCB-189	100.00	3.22e+07	1.09 y	48:28	-	0.890	
221	Unk	PCB-202	150.00	4.54e+07	0.93 y	44:54	-	1.11	
222	Unk	PCB-201	150.00	4.90e+07	0.96 y	45:21	-	1.20	
223	Unk	PCB-204	150.00	4.89e+07	0.91 y	45:29	-	1.20	
224	Unk	PCB-197	150.00	5.19e+07	0.93 y	45:45	-	1.27	
225	Unk	PCB-200	150.00	5.06e+07	0.94 y	46:30	-	1.24	
226	Unk	PCB-198	150.00	3.70e+07	0.94 y	47:39	-	0.904	
227	Unk	PCB-199	150.00	3.43e+07	0.96 y	47:44	-	0.838	
228	Unk	PCB-203	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 196
229	Unk	PCB-196	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	2.72e+07	0.93 y	44:53	-	0.753	
231	C/Up	13C-PCB-178	100.00	2.91e+07	1.06 y	42:25	-	0.804	
232	RS	13C-PCB-138	100.00	3.62e+07	1.30 y	41:37	3.62e+05	-	
233	Unk	PCB-195	150.00	4.83e+07	0.89 y	49:04	-	0.885	
234	Unk	PCB-194	150.00	4.73e+07	0.90 y	49:52	-	0.866	
235	Unk	PCB-205	150.00	5.92e+07	0.90 y	50:07	-	1.08	
236	IS	13C-PCB-205	100.00	3.64e+07	0.88 y	50:06	-	1.26	
237	Unk	PCB-208	150.00	5.99e+07	1.35 y	49:12	-	1.08	
238	IS	13C-PCB-208	100.00	3.69e+07	0.81 y	49:11	-	1.27	
239	Unk	PCB-207	150.00	5.82e+07	1.36 y	49:30	-	1.25	
240	Unk	PCB-206	150.00	4.18e+07	1.34 y	51:19	-	1.11	
241	IS	13C-PCB-206	100.00	2.51e+07	0.79 y	51:18	-	0.866	
242	Unk	PCB-209	150.00	5.23e+07	1.19 y	52:30	-	1.19	
243	IS	13C-PCB-209	100.00	2.92e+07	1.21 y	52:28	-	1.01	
244	RS	13C-PCB-194	100.00	2.90e+07	0.90 y	49:52	2.90e+05	-	

Analyst: _____ Date: 11/10/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	50.9	37.5 - 62.5
PCB-3	M/M+2	3.17	2.66-3.60	y	49.3	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	42.7	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	54.2	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	55.8	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	52.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	102	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	107	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	107	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	97.9	75.0 - 125
PCB-126	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	96.9	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	110	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	107	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	104	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.5	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	162	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	160	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	159	112.5 - 187.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	98.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	93.4	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	99.2	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	88.4	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	88.4	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	85.3	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	98.5	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	86.4	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	85.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	96.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	99.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	99.4	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	96.2	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	94.1	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	107	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	91.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	90.0	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	91.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	89.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	92.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	78.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	95.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	92.4	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	91.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	100	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	99.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	104	75.0 - 125

Analyst: [signature] Date: 11/12/20

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.96e+07	3.20 y	14:32	1.21	50.9		2.50	-	-	*	-
13C-PCB-1	6.42e+07	3.20 y	14:31	0.90	98.9		2.50				98.9
PCB-3	3.80e+07	3.17 y	16:58	1.23	49.3		2.50	-	-	*	-
13C-PCB-3	6.27e+07	3.23 y	16:57	0.93	93.4		2.50				93.4
PCB-4	2.30e+07	1.47 y	18:14	1.14	42.7		2.50	-	-	*	-
13C-PCB-4	4.72e+07	1.57 y	18:12	0.66	99.2		2.50				99.2
PCB-15	4.10e+07	1.53 y	23:45	1.09	54.2		2.50	-	-	*	-
13C-PCB-15	6.93e+07	1.60 y	23:44	1.09	88.4		2.50				88.4
PCB-19	2.18e+07	1.10 y	22:08	1.21	55.8		2.50	-	-	*	-
13C-PCB-19	3.22e+07	1.08 y	22:06	0.50	88.4		2.50				88.4
13C-PCB-9	7.22e+07	1.56 y	19:53	-	70.8		2.50				
PCB-37	3.26e+07	1.06 y	30:25	1.14	52.3		2.50	-	-	*	-
13C-PCB-37	5.44e+07	1.09 y	30:23	1.64	85.3		2.50				85.3
PCB-54	6.00e+07	0.78 y	25:40	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.84e+07	0.82 y	25:39	1.26	98.5		2.50				98.5
PCB-104	4.36e+07	1.57 y	30:07	1.12	102		2.50	-	-	*	-
13C-PCB-104	3.81e+07	1.60 y	30:06	1.02	96.0		2.50				96.0
13C-PCB-28	6.76e+07	1.06 y	26:44	1.73	100		2.50				100
13C-PCB-52	3.89e+07	0.79 y	29:00	-	73.2		2.50				
PCB-81	5.89e+07	0.80 y	36:11	1.13	111		2.50	-	-	*	-
13C-PCB-81	4.69e+07	0.79 y	36:10	1.57	85.0		2.50				85.0
PCB-77	5.44e+07	0.80 y	36:45	1.10	101		2.50	-	-	*	-
13C-PCB-77	4.90e+07	0.80 y	36:44	1.61	86.4		2.50				86.4
PCB-155	4.58e+07	1.27 y	34:17	1.13	96.9		2.50	-	-	*	-
13C-PCB-155	4.17e+07	1.29 y	34:16	1.10	107		2.50				107
13C-PCB-111	4.44e+07	1.59 y	36:20	1.27	99.3		2.50				99.3
13C-PCB-101	3.52e+07	1.61 y	34:41	-	73.8		2.50				
PCB-123	4.79e+07	1.55 y	38:24	1.11	97.9		2.50	-	-	*	-
13C-PCB-123	4.41e+07	1.59 y	38:23	1.28	95.0		2.50				95.0
PCB-118	1.07e+08	1.54 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	4.71e+07	1.61 y	38:33	1.35	96.2		2.50				96.2
PCB-114	5.64e+07	1.54 y	39:10	1.13	107		2.50	-	-	*	-
13C-PCB-114	4.65e+07	1.60 y	39:10	1.29	99.4		2.50				99.4
PCB-105	5.43e+07	1.55 y	39:60	1.10	107		2.50	-	-	*	-
13C-PCB-105	4.60e+07	1.60 y	39:58	1.28	99.2		2.50				99.2
PCB-126	4.81e+07	1.57 y	42:07	1.08	106		2.50	-	-	*	-
13C-PCB-126	4.19e+07	1.59 y	42:05	1.23	94.1		2.50				94.1
PCB-167	4.84e+07	1.26 y	43:29	1.11	107		2.50	-	-	*	-
13C-PCB-167	4.08e+07	1.29 y	43:29	1.23	91.8		2.50				91.8
PCB-156	4.78e+07	1.26 y	44:43	1.13	108		2.50	-	-	*	-
13C-PCB-156	3.94e+07	1.27 y	44:41	1.19	91.6		2.50				91.6
PCB-157	4.71e+07	1.27 y	44:58	1.08	110		2.50	-	-	*	-
13C-PCB-157	3.95e+07	1.27 y	44:58	1.21	90.0		2.50				90.0
PCB-169	4.21e+07	1.26 y	46:48	1.08	104		2.50	-	-	*	-
13C-PCB-169	3.77e+07	1.28 y	46:48	1.17	89.0		2.50				89.0
PCB-188	4.20e+07	1.05 y	39:47	1.10	99.5		2.50	-	-	*	-
13C-PCB-188	3.84e+07	1.08 y	39:47	1.13	94.2		2.50				94.2
PCB-189	3.50e+07	1.04 y	48:28	1.07	102		2.50	-	-	*	-
13C-PCB-189	3.22e+07	1.09 y	48:28	0.97	92.2		2.50				92.2
PCB-202	4.54e+07	0.93 y	44:54	1.03	162		2.50	-	-	*	-
13C-PCB-202	2.72e+07	0.93 y	44:53	0.96	78.8		2.50				78.8
13C-PCB-178	2.91e+07	1.06 y	42:25	0.78	104		2.50				104
13C-PCB-138	3.62e+07	1.30 y	41:37	-	75.2		2.50				

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.92e+07	0.90 y	50:07	1.09	150	2.50	-	-	*	-
13C-PCB-205	3.64e+07	0.88 y	50:06	1.32	95.4	2.50				95.4
PCB-208	5.99e+07	1.35 y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	3.69e+07	0.81 y	49:11	1.38	92.6	2.50				92.6
PCB-206	4.18e+07	1.34 y	51:19	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79 y	51:18	0.94	92.4	2.50				92.4
PCB-209	5.23e+07	1.19 y	52:30	1.13	159	2.50	-	-	*	-
13C-PCB-209	2.92e+07	1.21 y	52:28	1.10	91.4	2.50				91.4
13C-PCB-194	2.90e+07	0.90 y	49:52	-	76.1	2.50				

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

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	53.8	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	53.7	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	53.9	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	52.7	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	53.6	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	51.6	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	101	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	105	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	105	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	104	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	201	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	99.3	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	103	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	105	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	99.6	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	107	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	98.5	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	161	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	149	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	150	112.5 - 187.5

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	83.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	86.9	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	105	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	84.6	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	94.8	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	97.5	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	95.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	105	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	104	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	110	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	88.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	102	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	106	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	100	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	107	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	84.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	105	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	73.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	107	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	108	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	90.0	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	94.3	75.0 - 125

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

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-20 1 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.23	53.8		2.50	-	-	*	
13C-PCB-1	4.90e+07	3.27 y	14:32	0.89	83.9		2.50				83.9
PCB-3	3.23e+07	3.23 y	16:60	1.21	53.7		2.50	-	-	*	
13C-PCB-3	4.96e+07	3.32 y	16:59	0.87	86.9		2.50				86.9
PCB-4	2.27e+07	1.45 y	18:15	0.97	53.9		2.50	-	-	*	
13C-PCB-4	4.33e+07	1.61 y	18:14	0.65	101		2.50				101
PCB-15	4.14e+07	1.55 y	23:46	1.18	52.7		2.50	-	-	*	
13C-PCB-15	6.64e+07	1.61 y	23:45	0.96	105		2.50				105
PCB-19	1.80e+07	1.10 y	22:09	1.35	53.6		2.50	-	-	*	
13C-PCB-19	2.48e+07	1.14 y	22:07	0.45	84.6		2.50				84.6
13C-PCB-9	6.58e+07	1.60 y	19:54	-	91.0		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.20	51.6		2.50	-	-	*	
13C-PCB-37	4.68e+07	1.06 y	30:23	1.40	94.8		2.50				94.8
PCB-54	5.37e+07	0.78 y	25:40	1.24	101		2.50	-	-	*	
13C-PCB-54	4.28e+07	0.80 y	25:39	1.24	97.5		2.50				97.5
PCB-104	3.89e+07	1.58 y	30:07	1.14	103		2.50	-	-	*	
13C-PCB-104	3.32e+07	1.56 y	30:06	0.98	95.9		2.50				95.9
13C-PCB-28	5.53e+07	1.04 y	26:43	1.74	90.0		2.50				90.0
13C-PCB-52	3.53e+07	0.78 y	28:60	-	90.8		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.25	105		2.50	-	-	*	
13C-PCB-81	4.88e+07	0.79 y	36:11	1.33	114		2.50				114
PCB-77	5.99e+07	0.82 y	36:45	1.11	105		2.50	-	-	*	
13C-PCB-77	5.14e+07	0.81 y	36:44	1.39	115		2.50				115
PCB-155	3.87e+07	1.28 y	34:17	1.10	105		2.50	-	-	*	
13C-PCB-155	3.35e+07	1.33 y	34:16	1.18	88.0		2.50				88.0
13C-PCB-111	4.14e+07	1.61 y	36:20	1.26	102		2.50				102
13C-PCB-101	3.21e+07	1.61 y	34:42	-	91.3		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.09	99.3		2.50	-	-	*	
13C-PCB-123	4.66e+07	1.58 y	38:22	1.22	104		2.50				104
PCB-118	1.13e+08	1.58 y	38:36	1.13	201		2.50	-	-	*	
13C-PCB-118	5.00e+07	1.60 y	38:32	1.30	104		2.50				104
PCB-114	6.11e+07	1.58 y	39:12	1.21	104		2.50	-	-	*	
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.18	103		2.50	-	-	*	
13C-PCB-105	4.89e+07	1.61 y	39:58	1.27	105		2.50				105
PCB-126	5.57e+07	1.59 y	42:06	1.15	103		2.50	-	-	*	
13C-PCB-126	4.69e+07	1.60 y	42:06	1.16	110		2.50				110
PCB-167	4.96e+07	1.26 y	43:29	1.19	101		2.50	-	-	*	
13C-PCB-167	4.15e+07	1.28 y	43:29	1.13	100		2.50				100
PCB-156	4.96e+07	1.25 y	44:43	1.21	99.6		2.50	-	-	*	
13C-PCB-156	4.10e+07	1.25 y	44:41	1.09	102		2.50				102
PCB-157	5.26e+07	1.24 y	44:58	1.19	103		2.50	-	-	*	
13C-PCB-157	4.28e+07	1.30 y	44:58	1.09	106		2.50				106
PCB-169	4.90e+07	1.28 y	46:49	1.12	107		2.50	-	-	*	
13C-PCB-169	4.11e+07	1.27 y	46:48	1.04	107		2.50				107
PCB-188	3.90e+07	1.07 y	39:46	1.09	108		2.50	-	-	*	
13C-PCB-188	3.30e+07	1.12 y	39:46	1.06	84.5		2.50				84.5
PCB-189	3.69e+07	1.04 y	48:28	1.09	98.5		2.50	-	-	*	
13C-PCB-189	3.45e+07	1.04 y	48:28	0.89	105		2.50				105
PCB-202	3.63e+07	0.96 y	44:54	1.11	161		2.50	-	-	*	
13C-PCB-202	2.03e+07	0.95 y	44:53	0.75	73.4		2.50				73.4
13C-PCB-178	2.79e+07	1.09 y	42:24	0.80	94.3		2.50				94.3
13C-PCB-138	3.68e+07	1.27 y	41:37	-	102		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-20 2 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92	y	50:07	1.08	159	2.50	-	-	*	
13C-PCB-205	3.72e+07	0.89	y	50:07	1.26	107	2.50				107
PCB-208	6.56e+07	1.36	y	49:12	1.08	150	2.50	-	-	*	
13C-PCB-208	4.05e+07	0.81	y	49:12	1.27	115	2.50				115
PCB-206	4.66e+07	1.33	y	51:19	1.11	149	2.50	-	-	*	
13C-PCB-206	2.81e+07	0.80	y	51:18	0.87	118	2.50				118
PCB-209	5.37e+07	1.18	y	52:29	1.19	150	2.50	-	-	*	
13C-PCB-209	3.00e+07	1.20	y	52:29	1.01	108	2.50				108
13C-PCB-194	2.76e+07	0.88	y	49:52	-	95.1	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

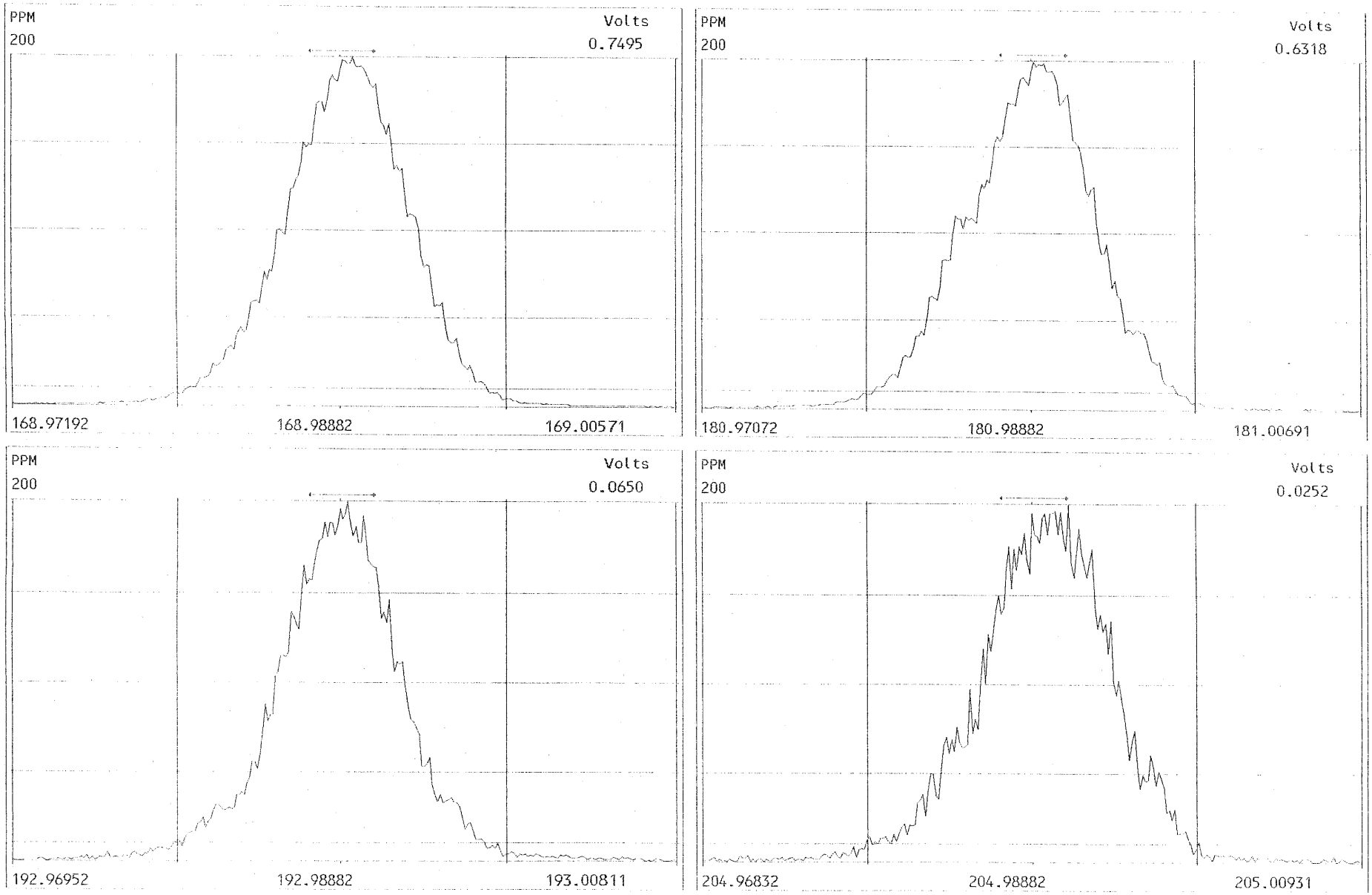
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

8/11/20

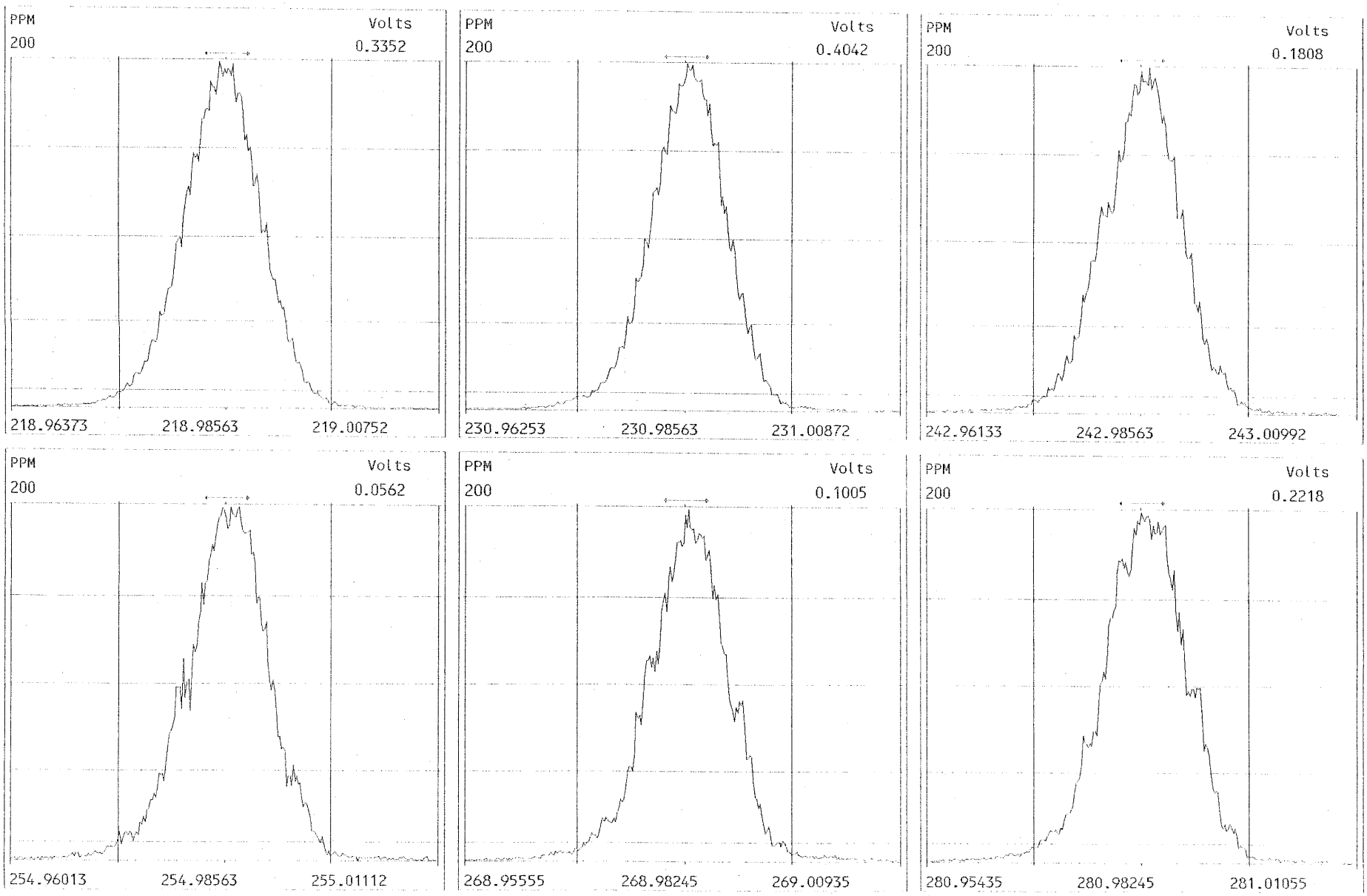
Data Backed Up:_____

Date:_____

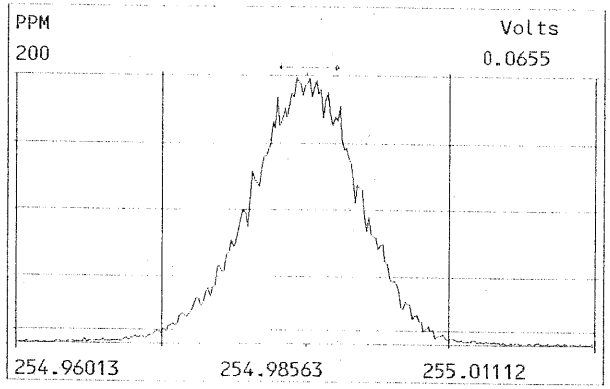
Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

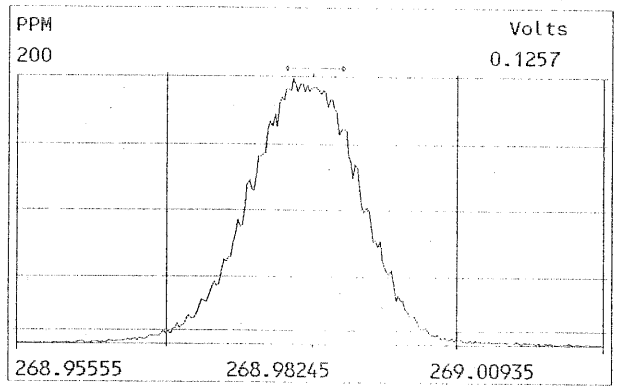


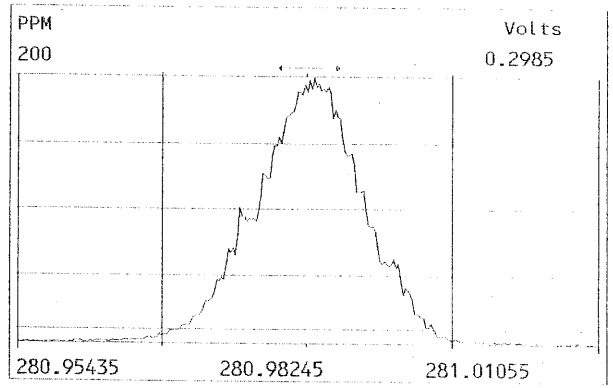
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

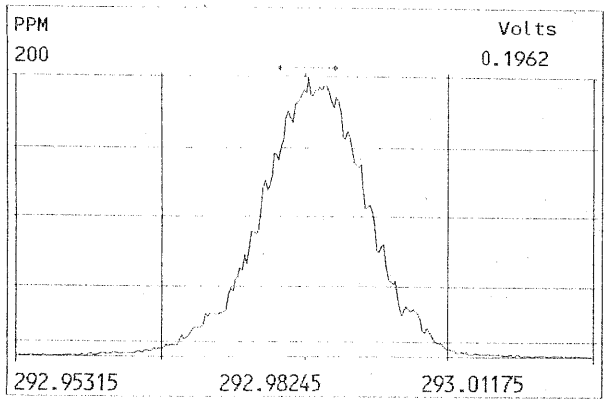


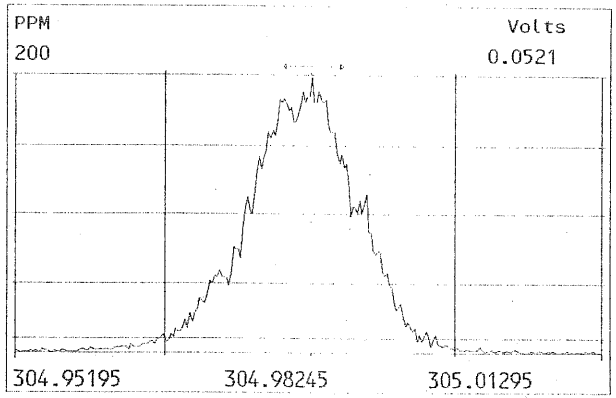
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

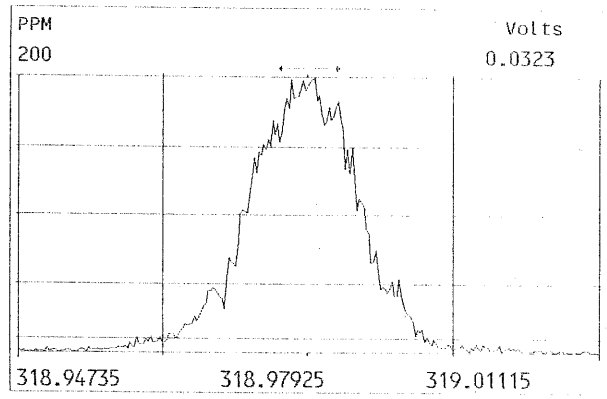


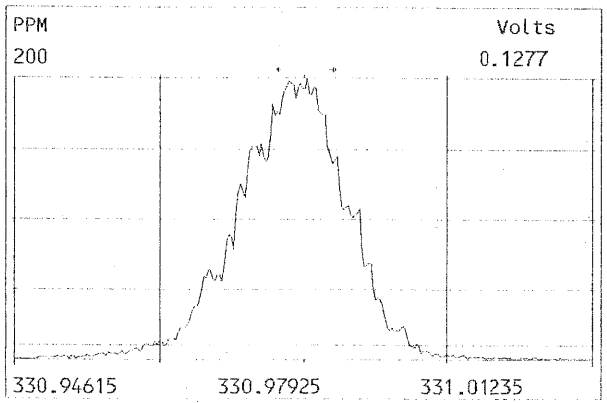


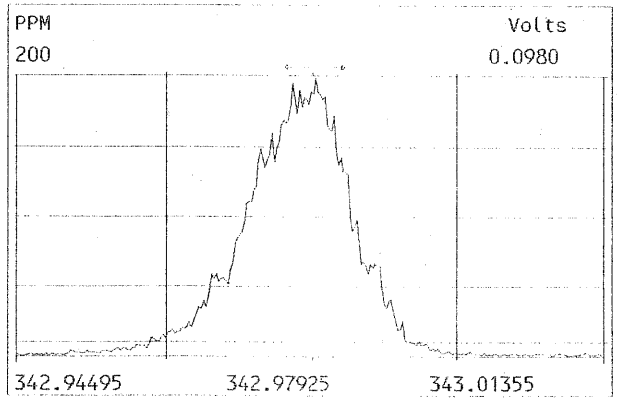






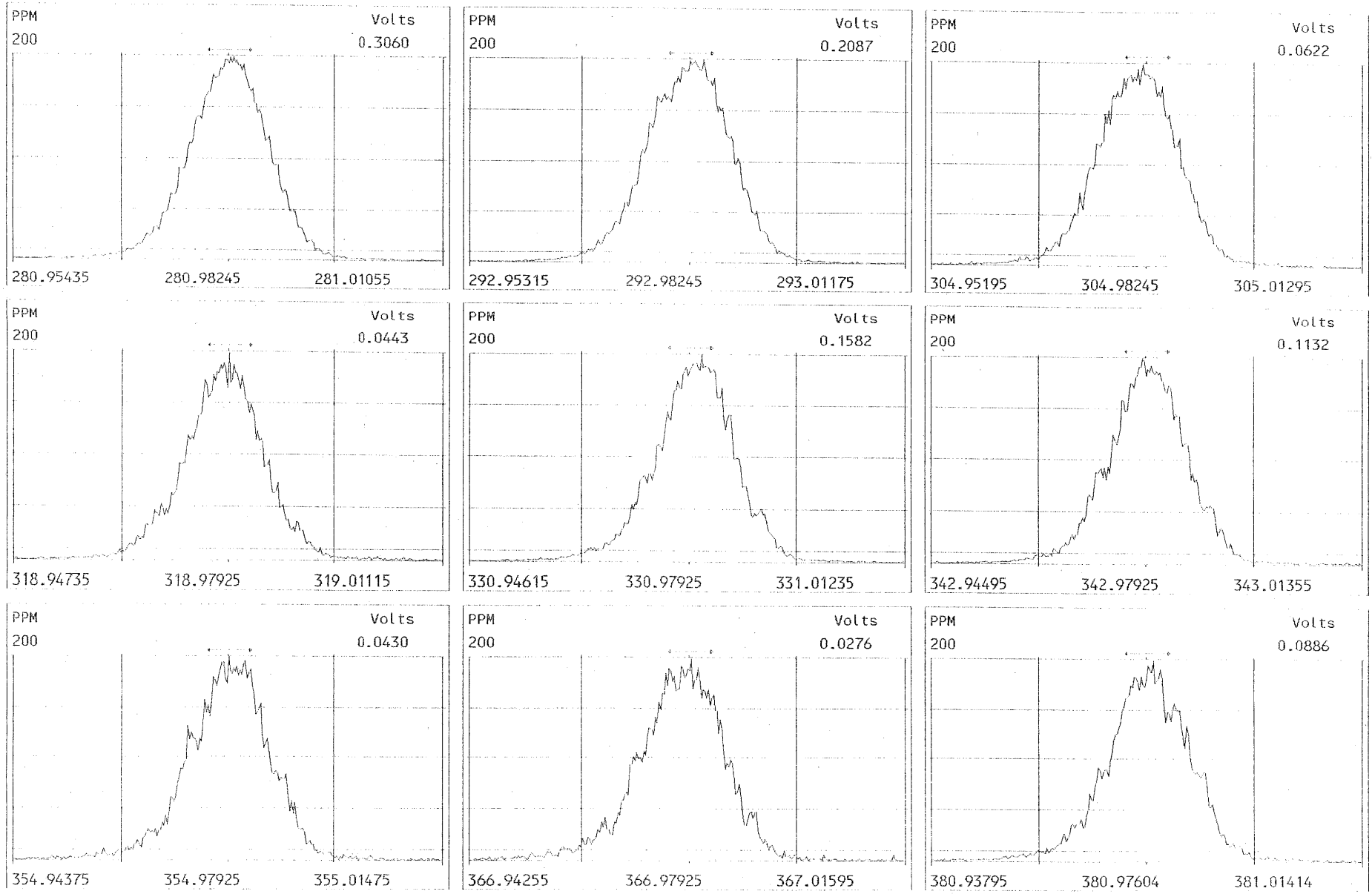






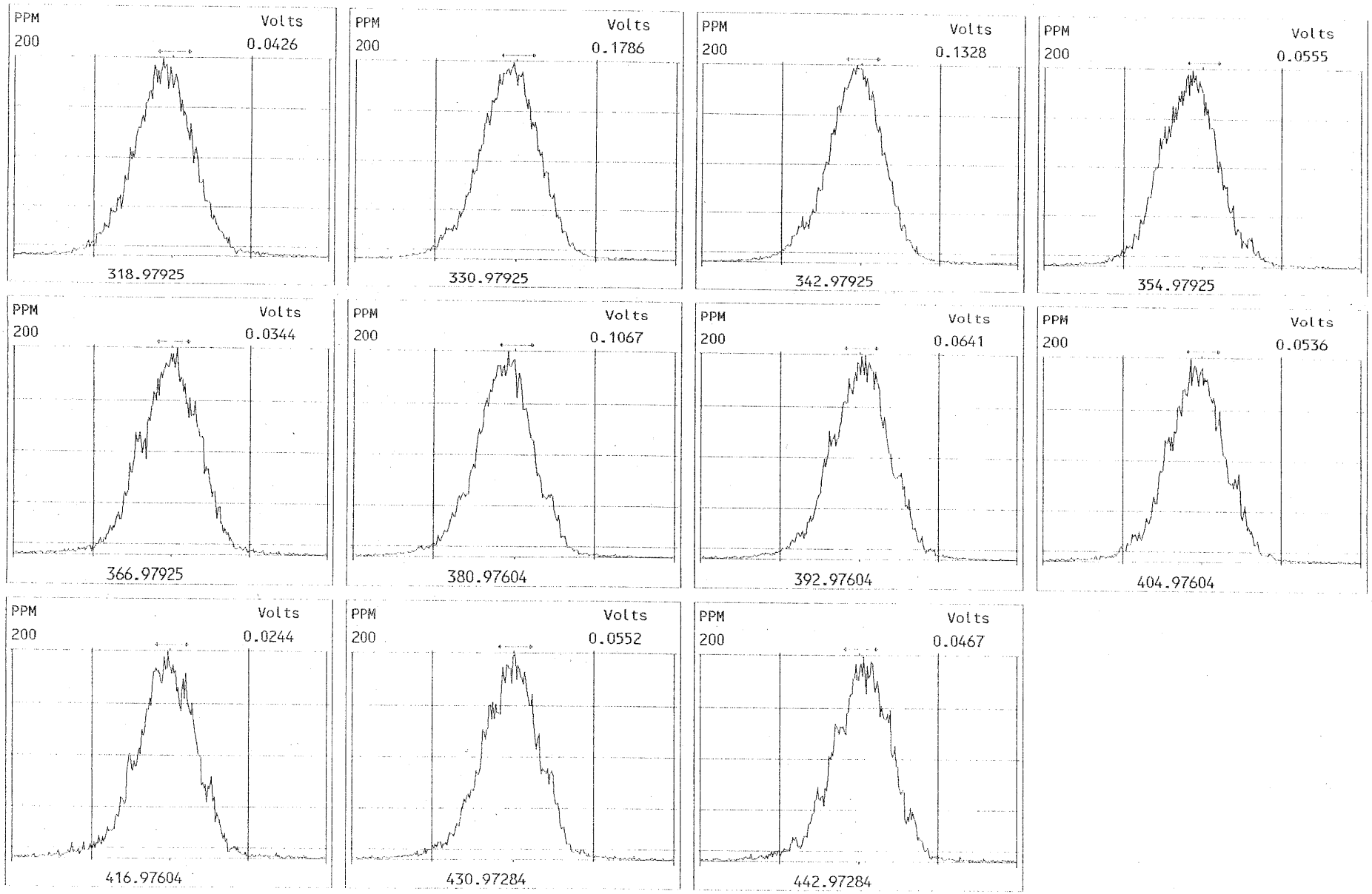
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

Experiment:1668PCB Function:4 Reference:PFK

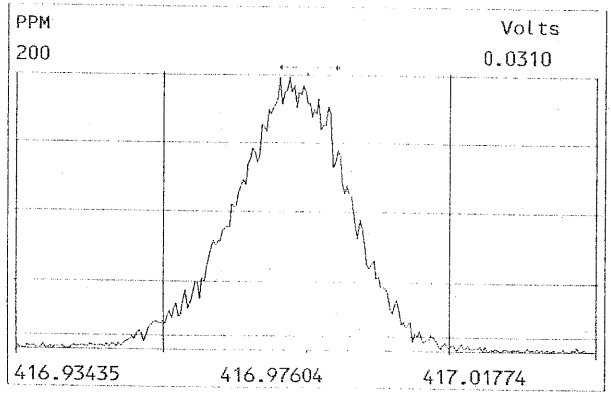


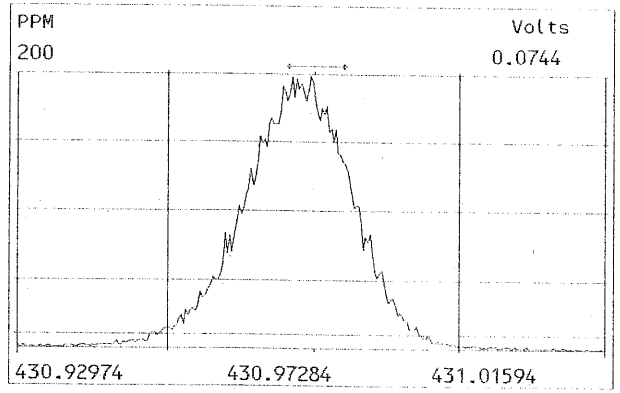
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

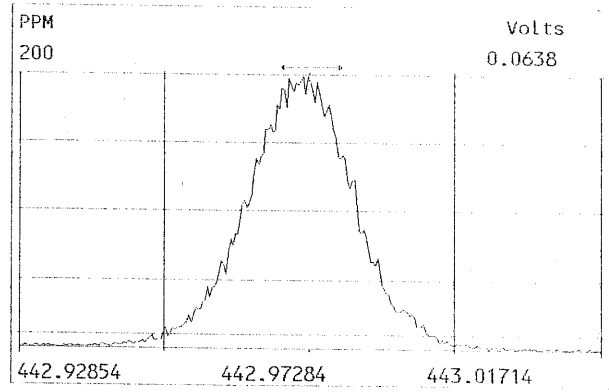
Experiment:1668PCB Function:5 Reference:PFK

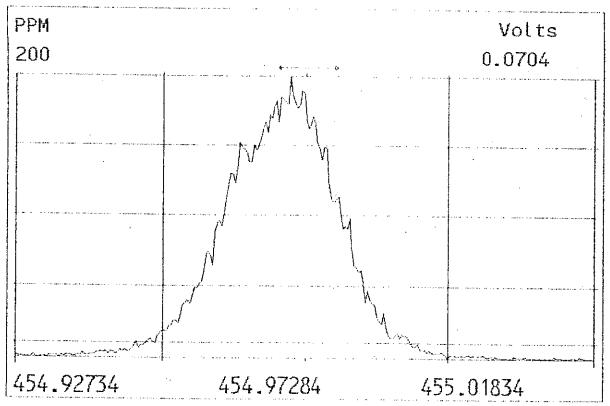


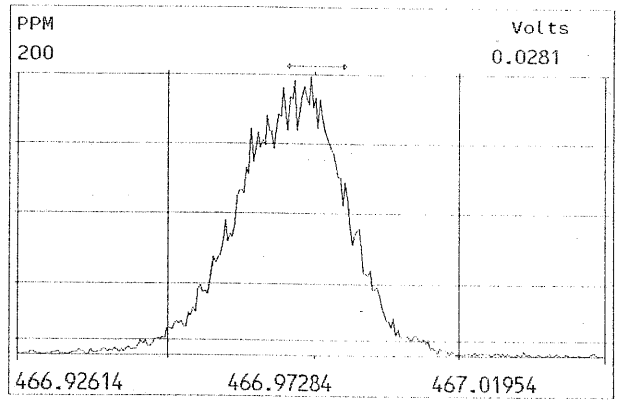
Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z
Experiment:1668PCB Function:6 Reference:PFK

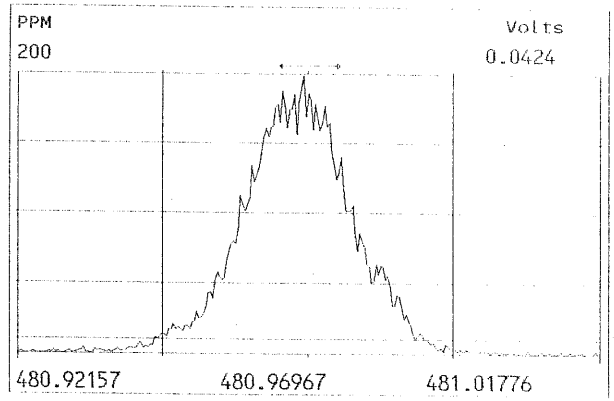


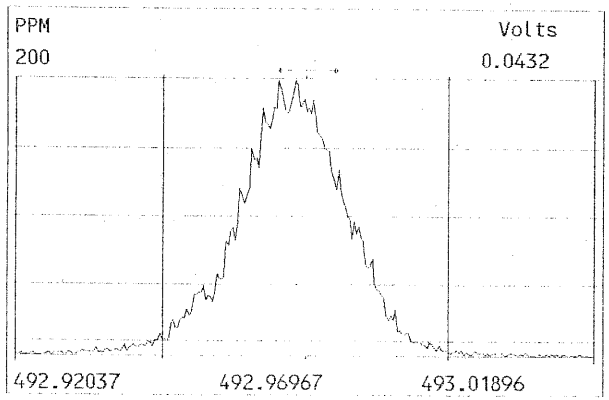


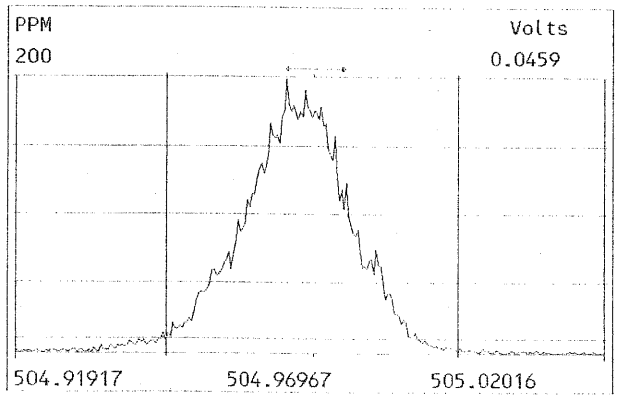


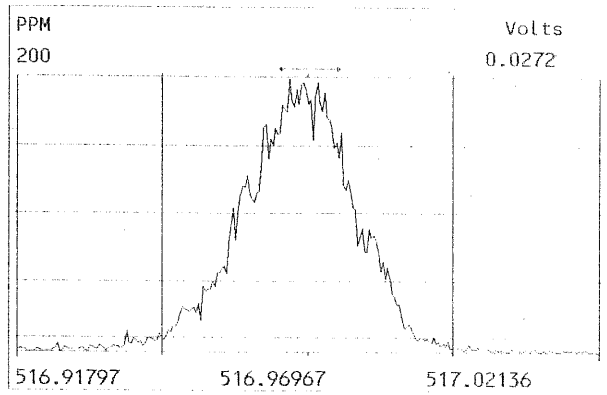




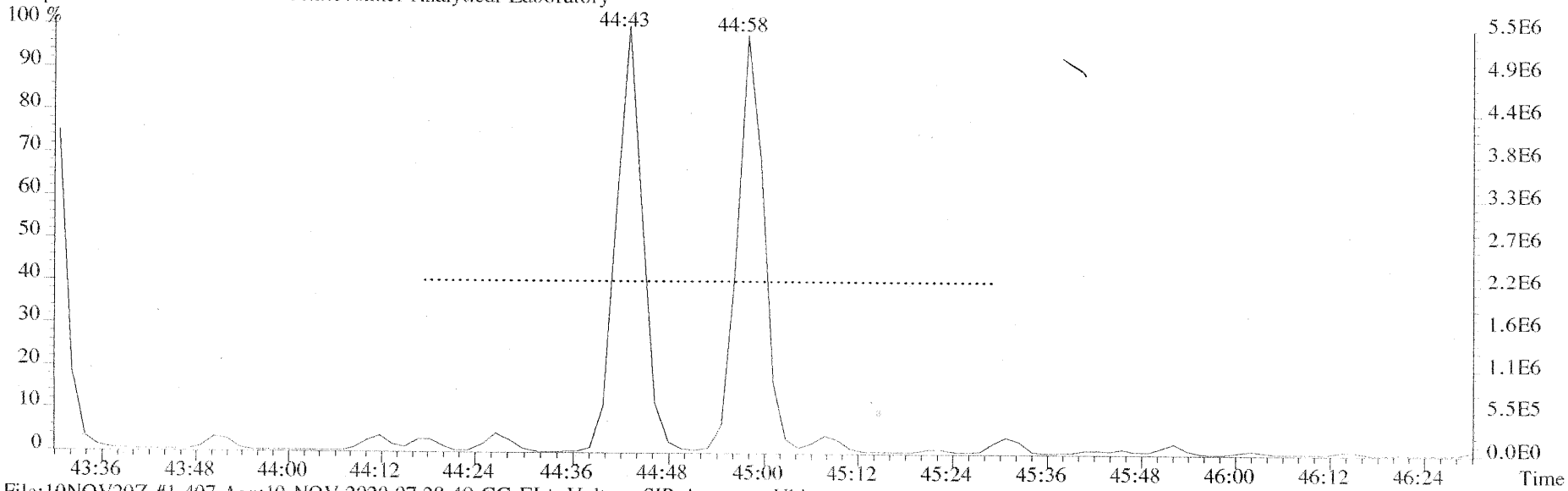




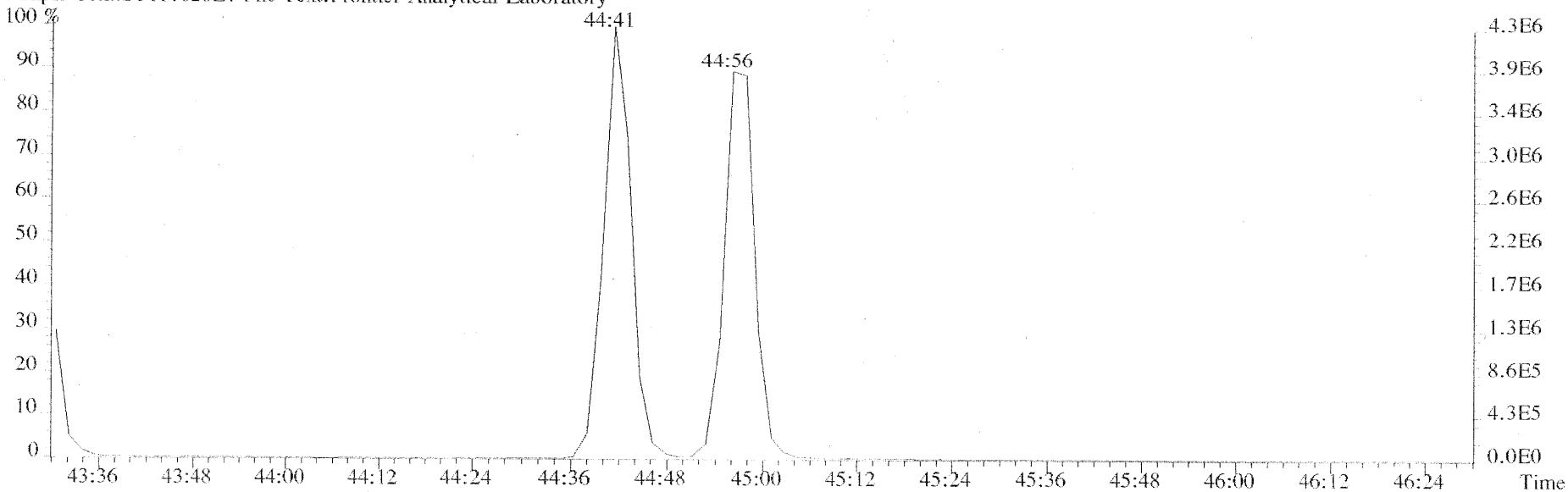




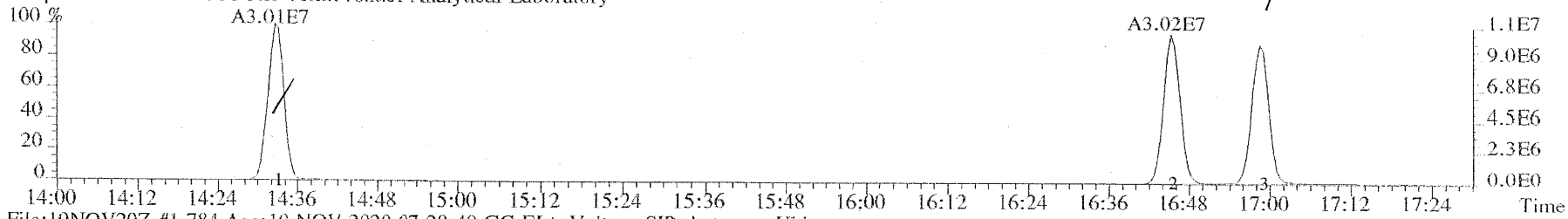
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



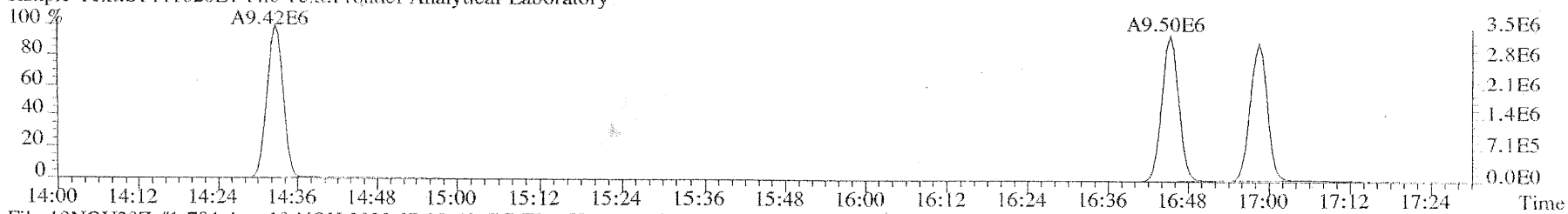
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



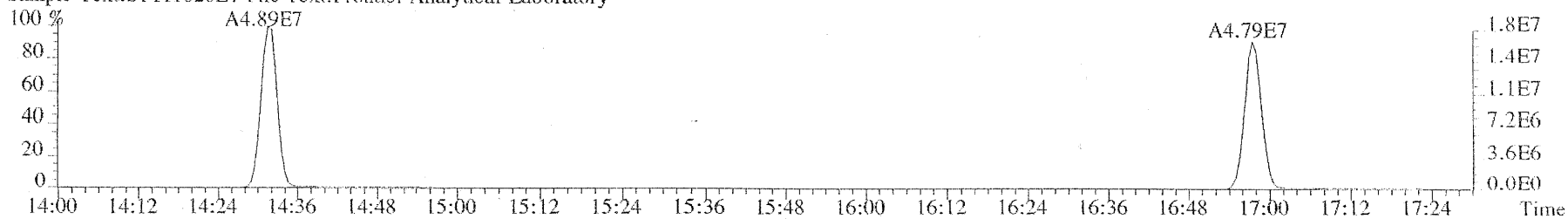
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



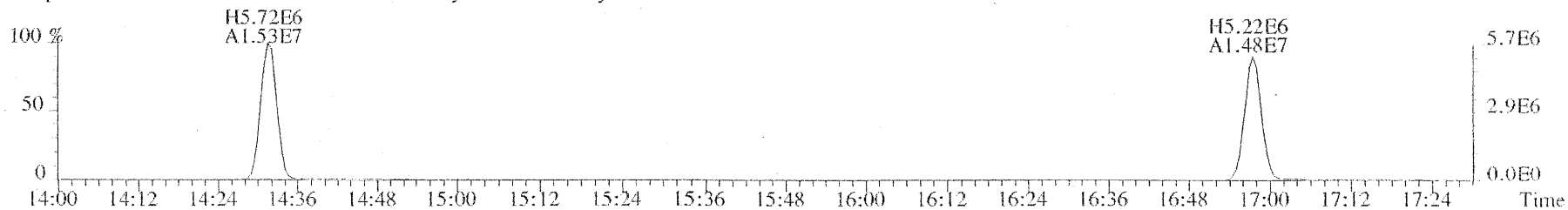
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



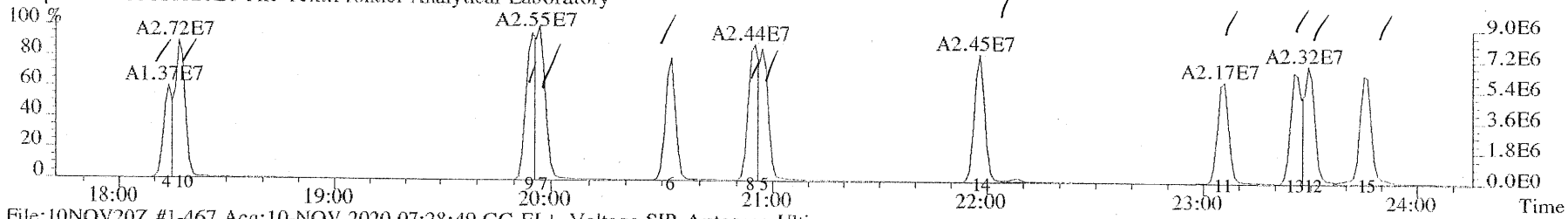
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



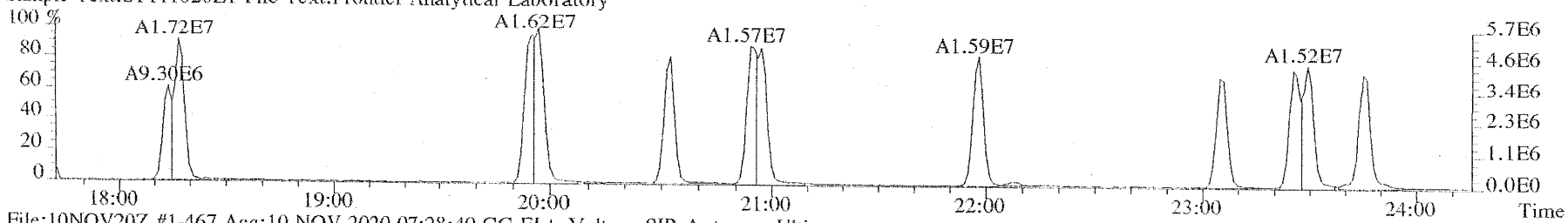
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



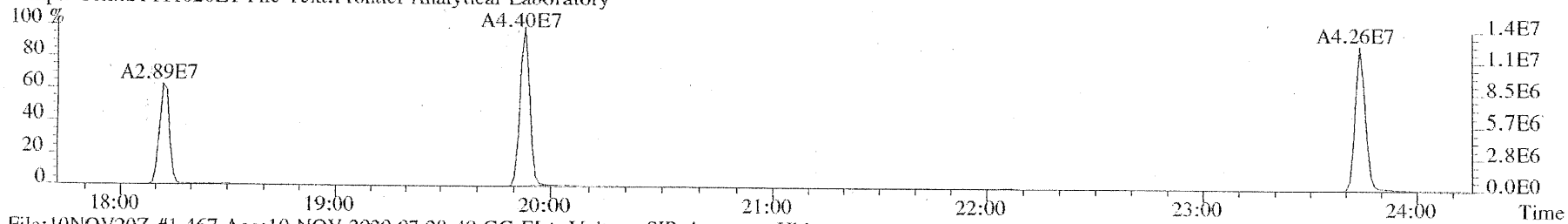
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



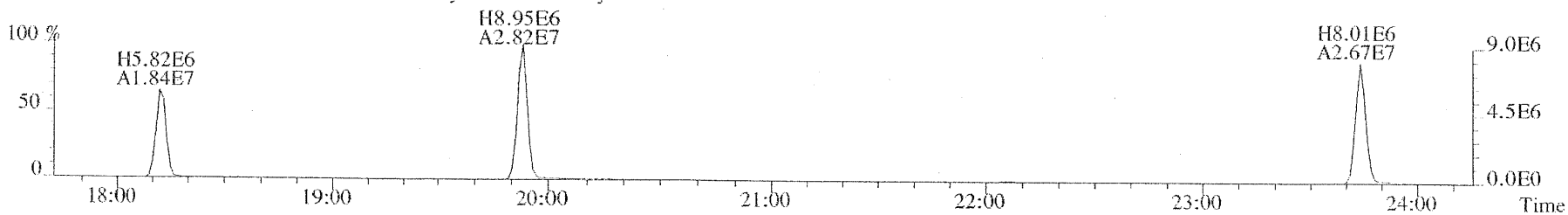
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



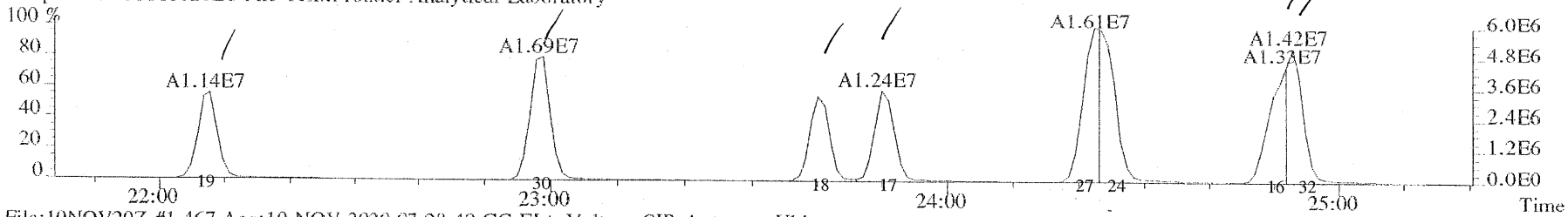
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



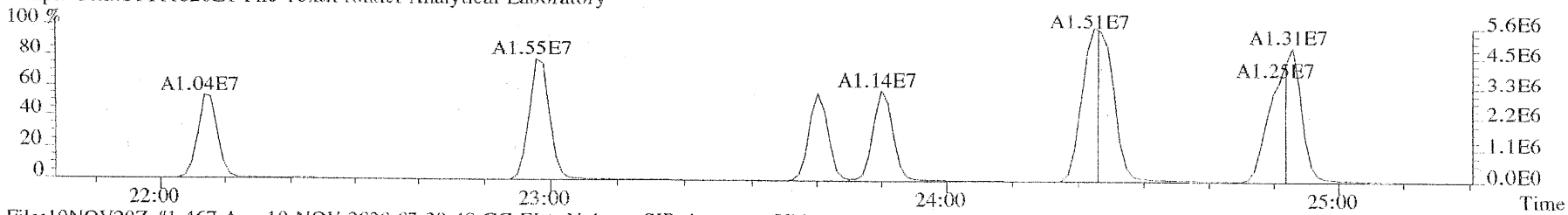
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



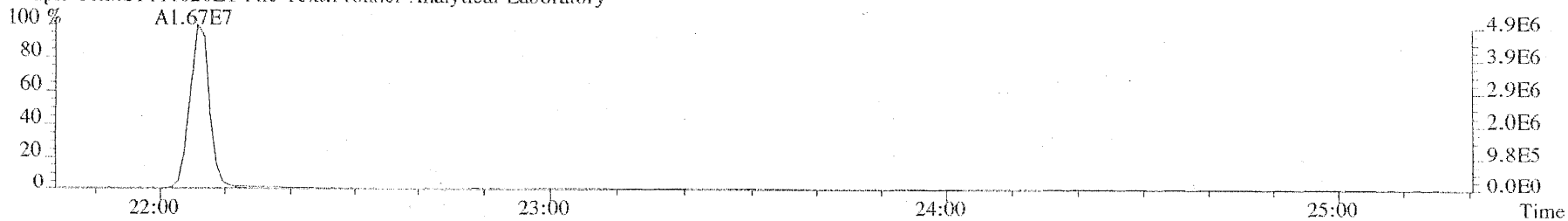
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



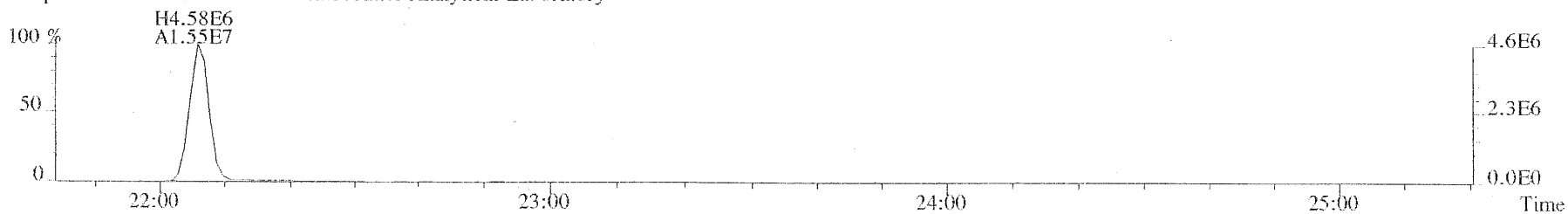
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



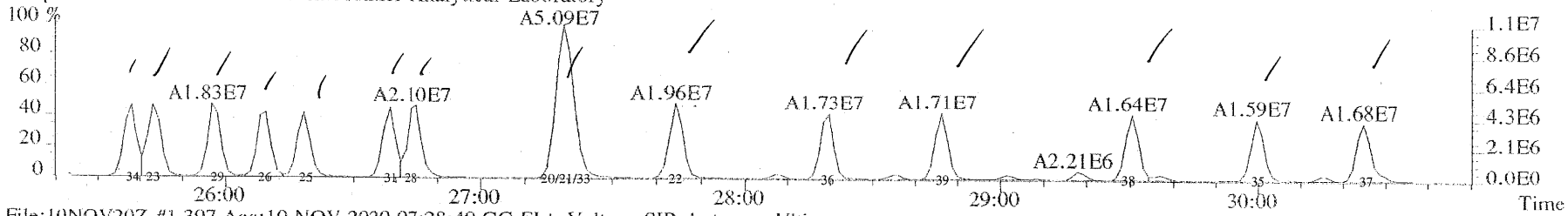
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



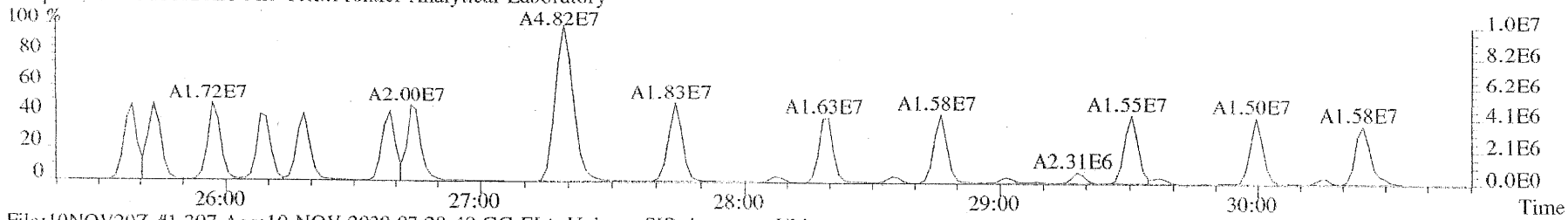
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



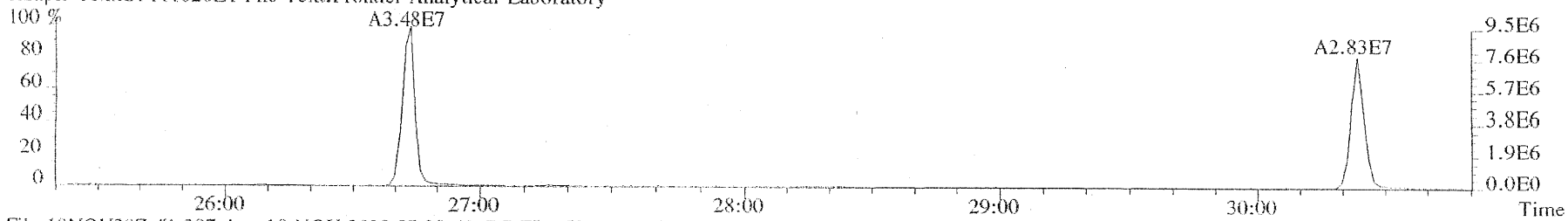
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



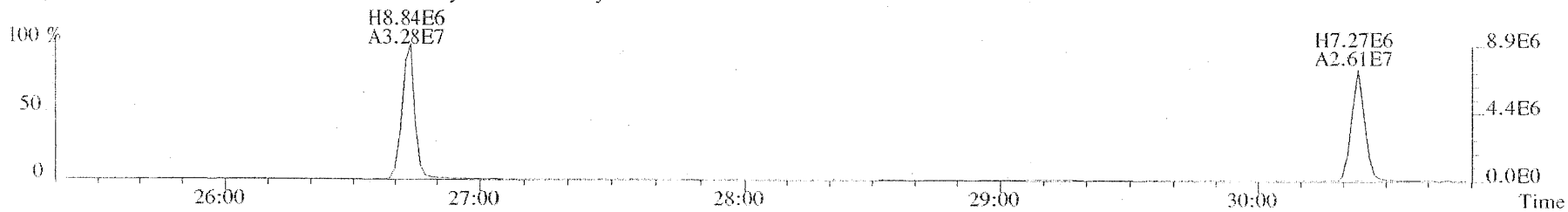
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



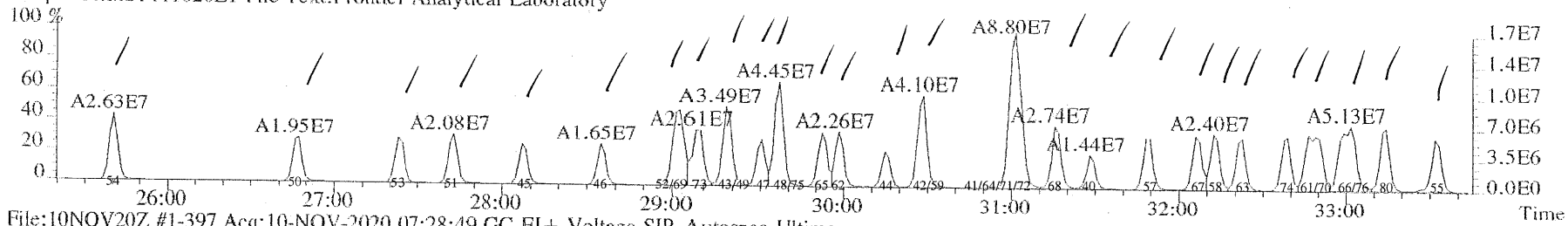
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



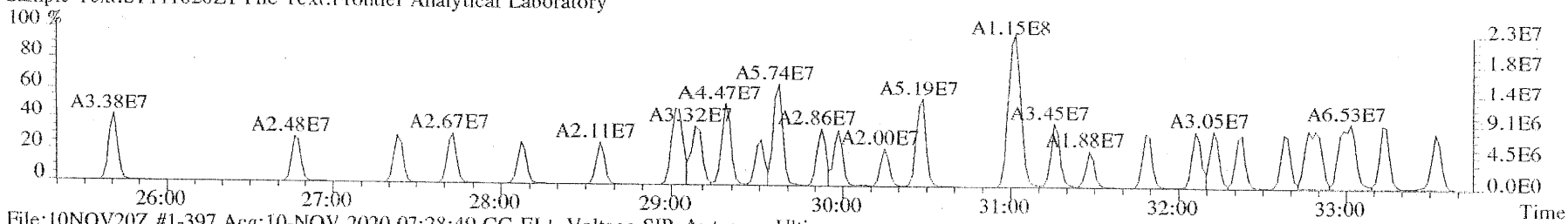
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



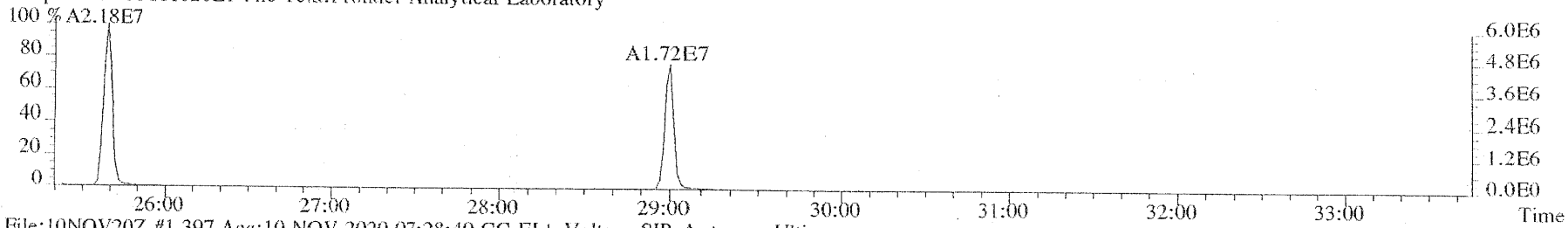
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



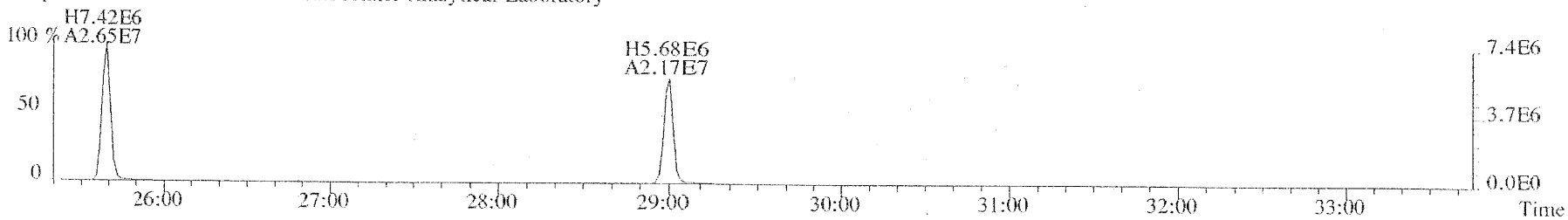
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



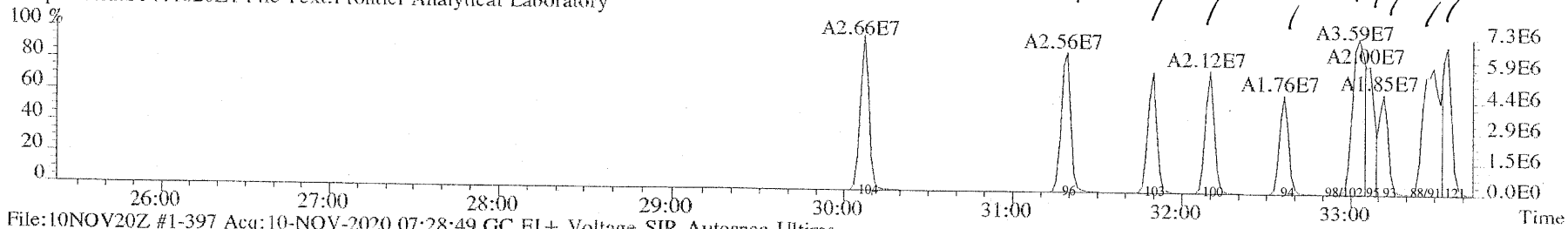
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



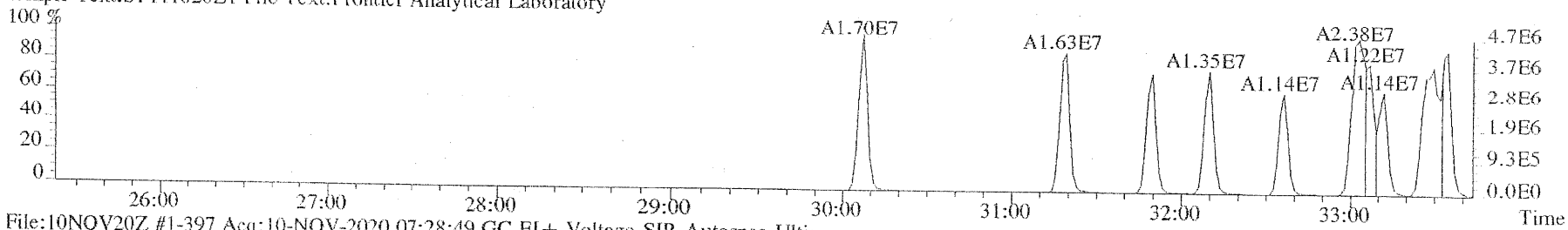
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



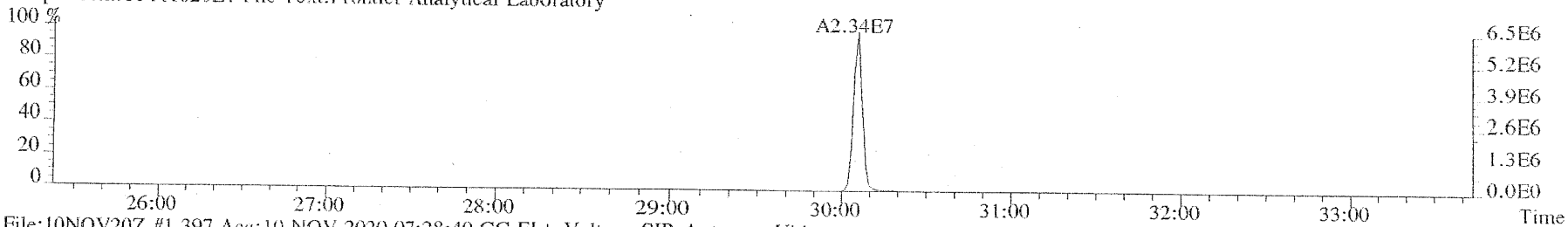
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



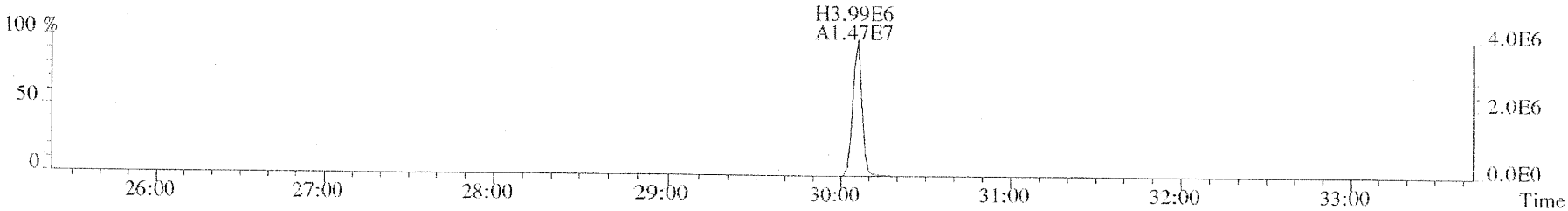
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



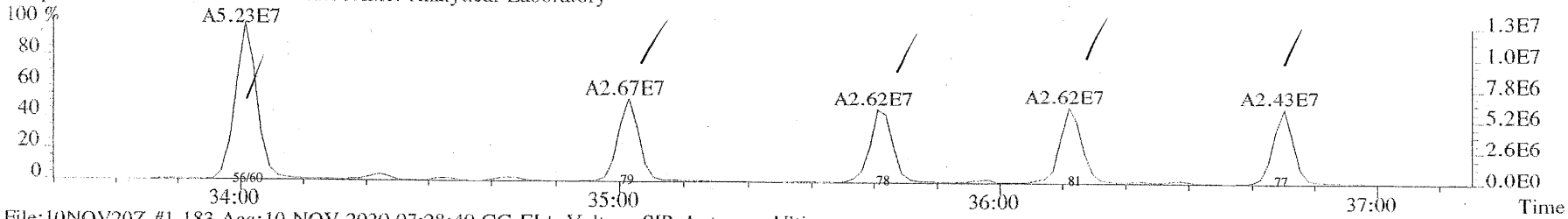
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



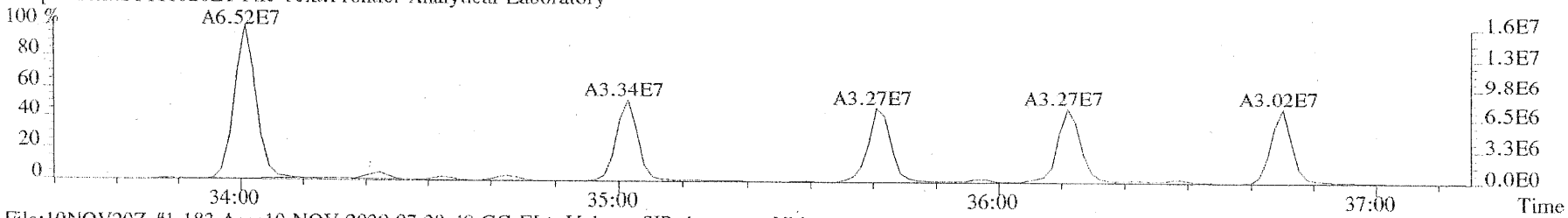
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



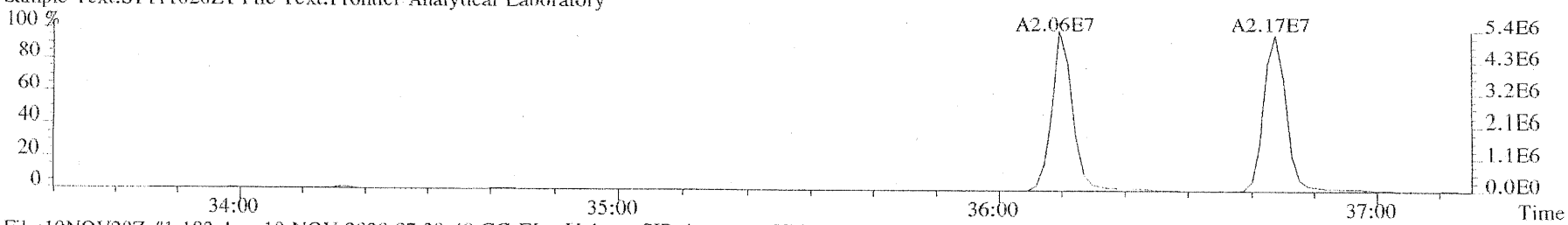
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



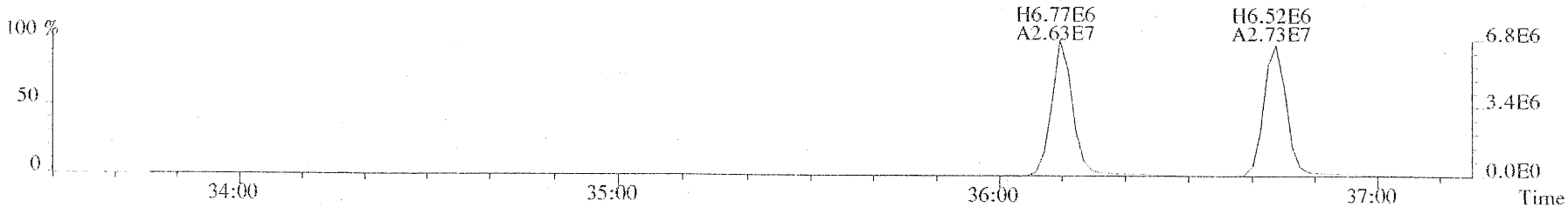
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



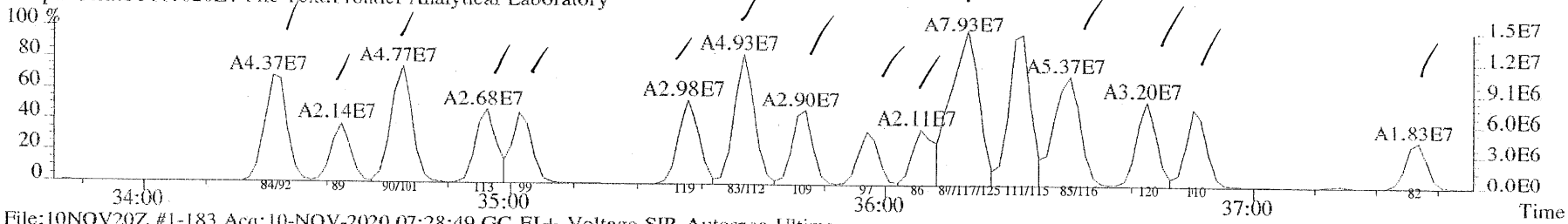
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



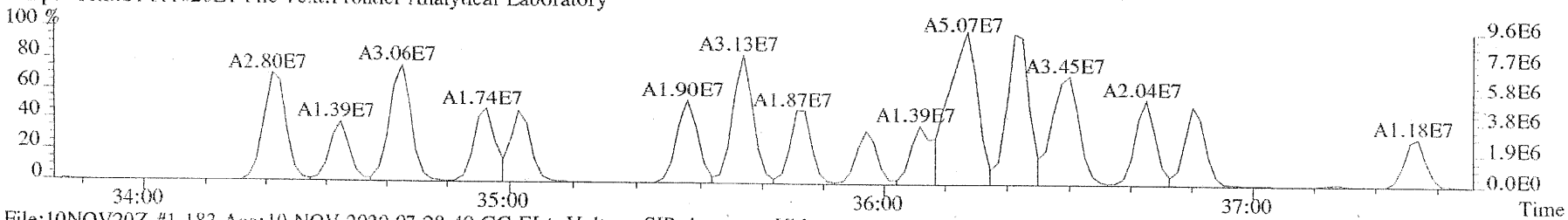
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



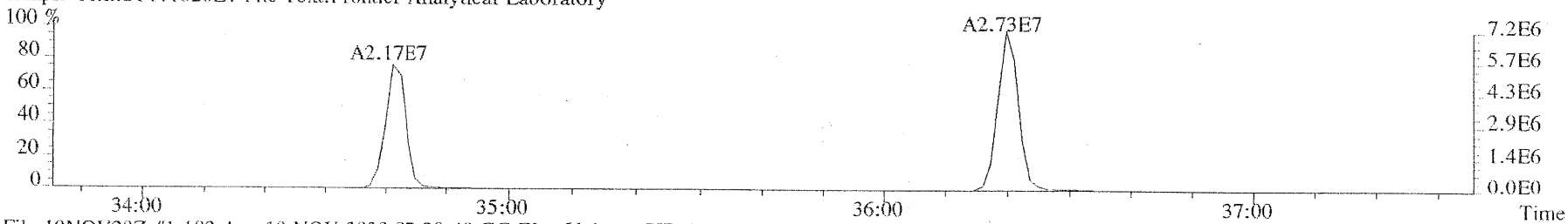
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



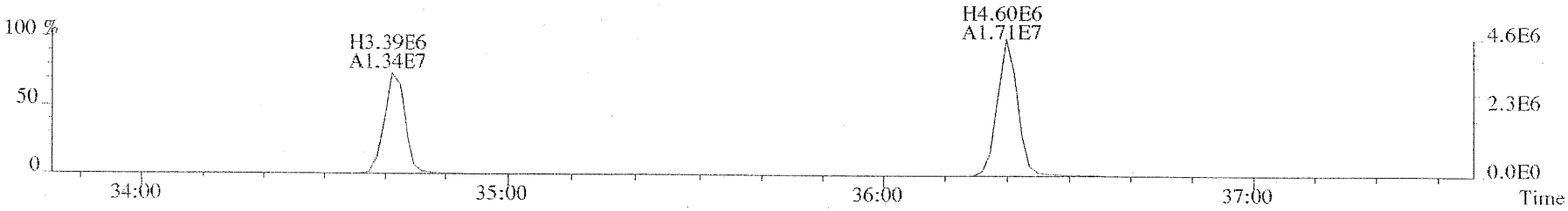
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



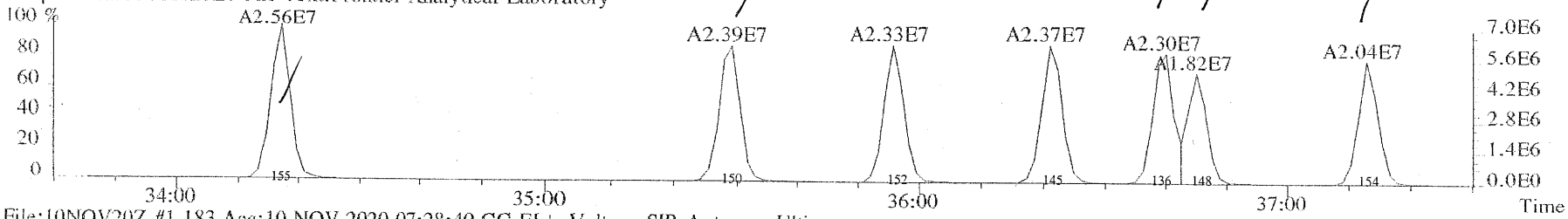
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



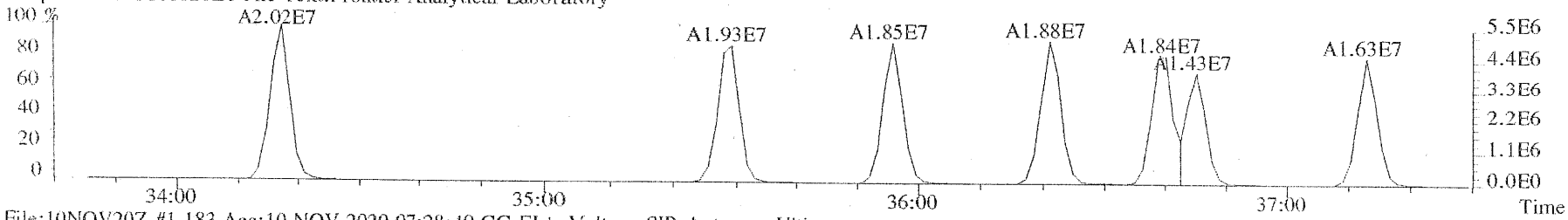
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



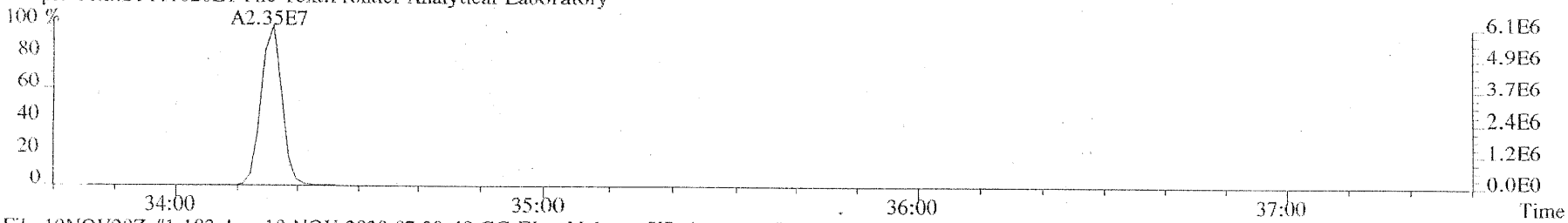
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



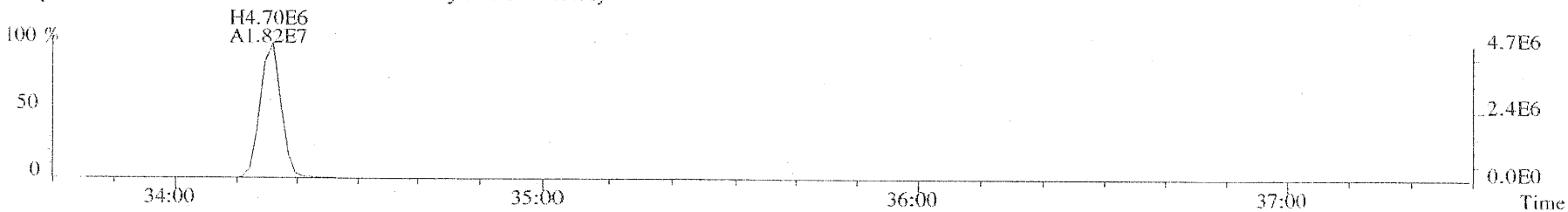
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



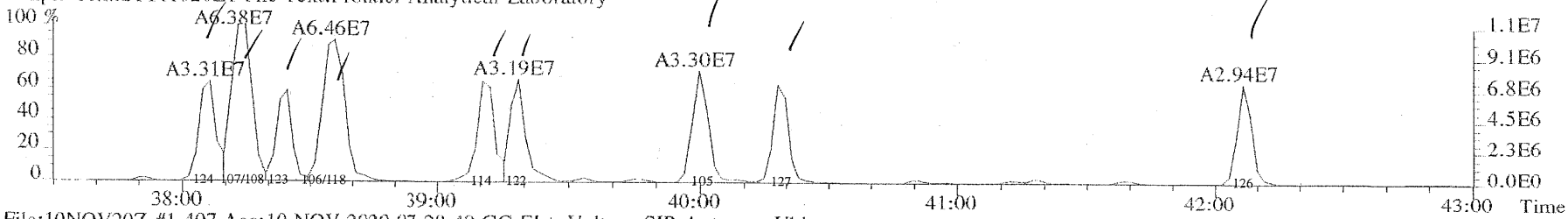
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



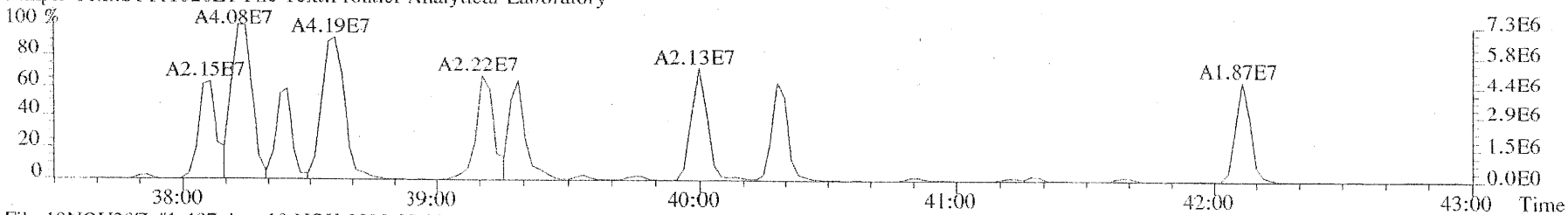
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



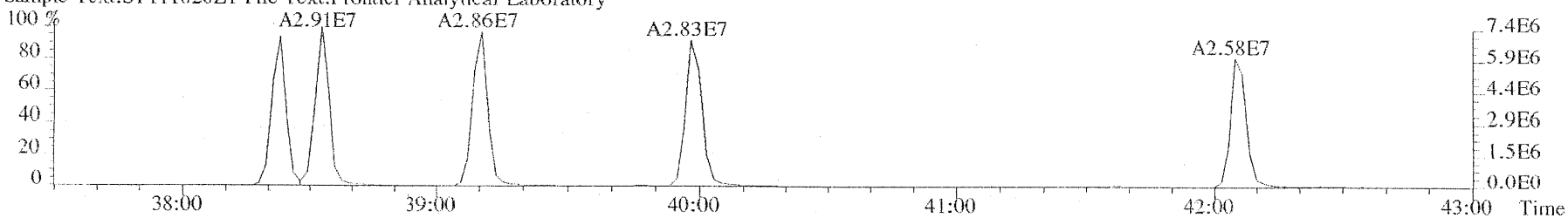
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



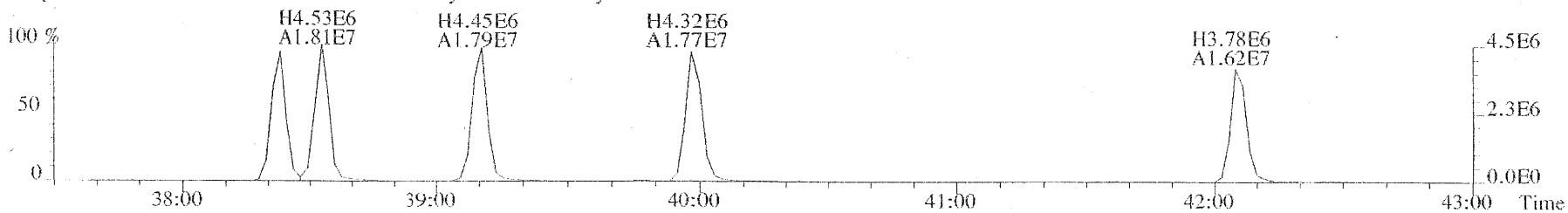
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



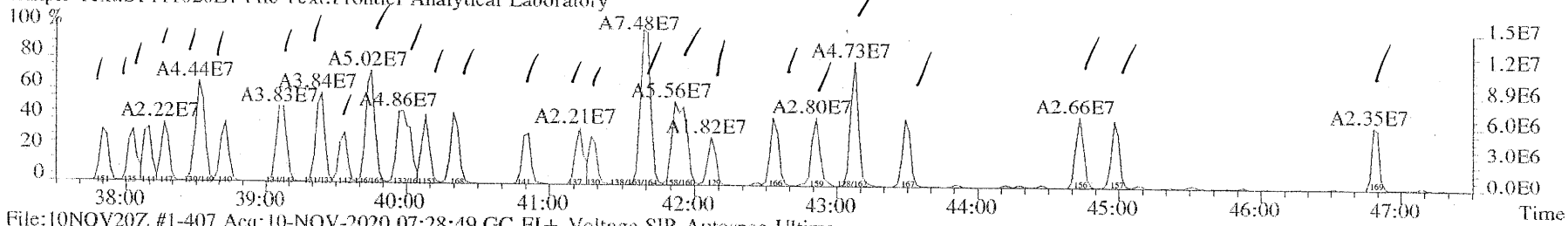
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



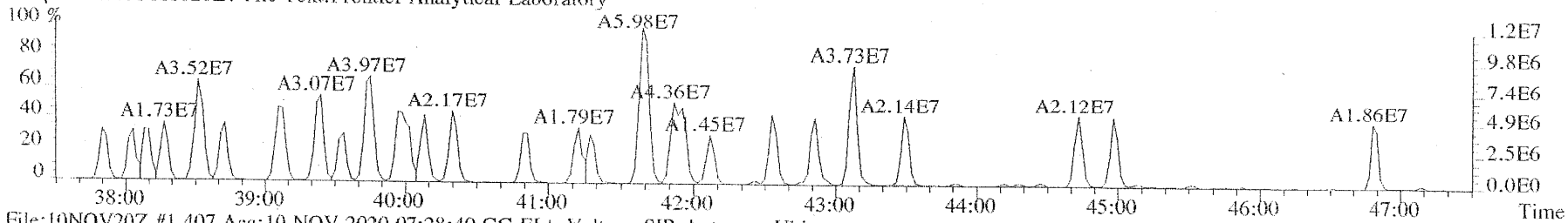
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



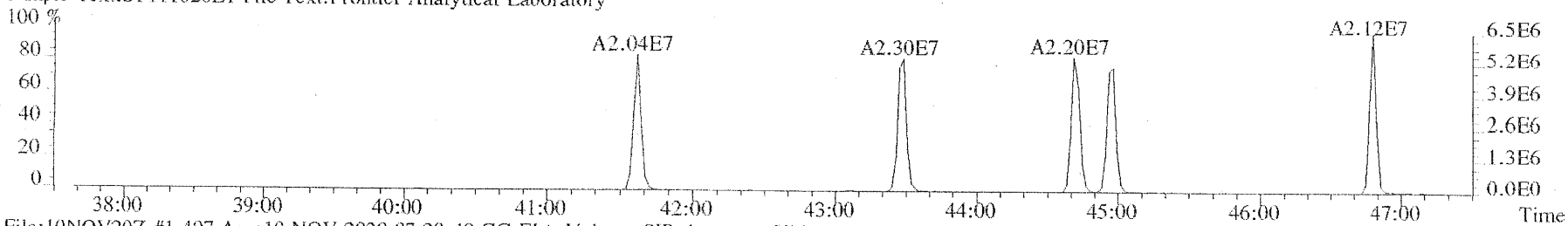
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



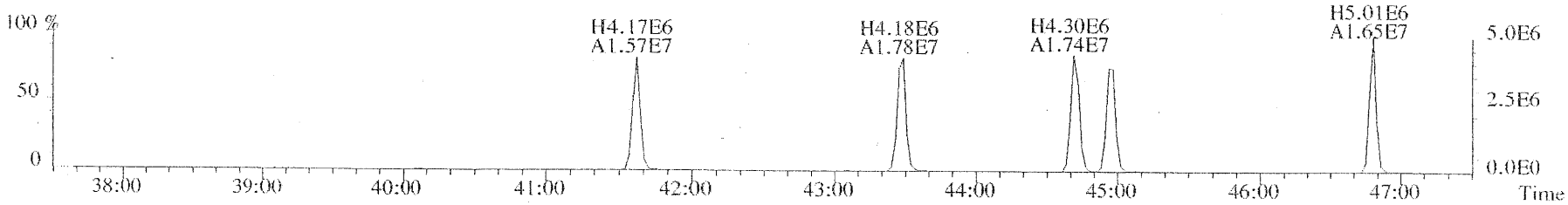
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



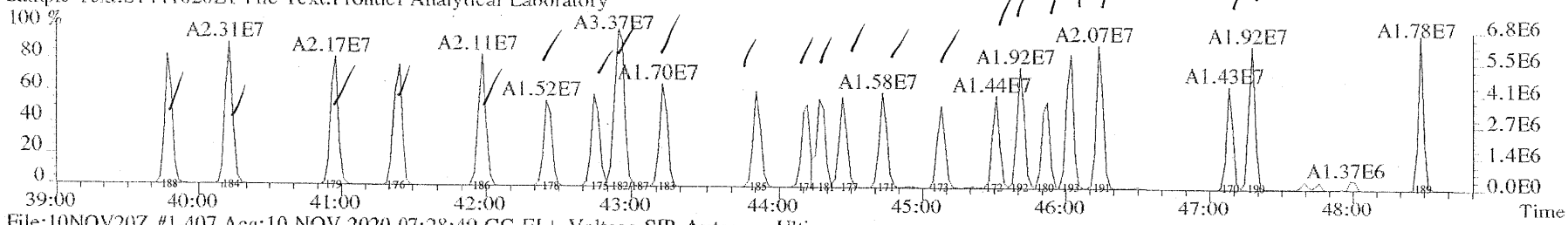
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



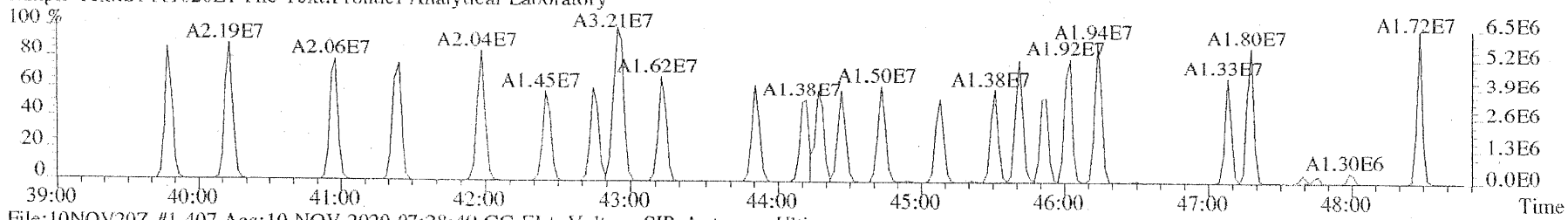
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



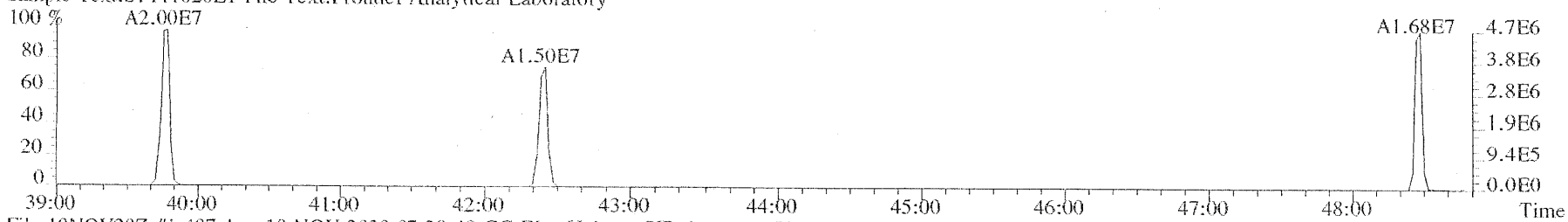
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



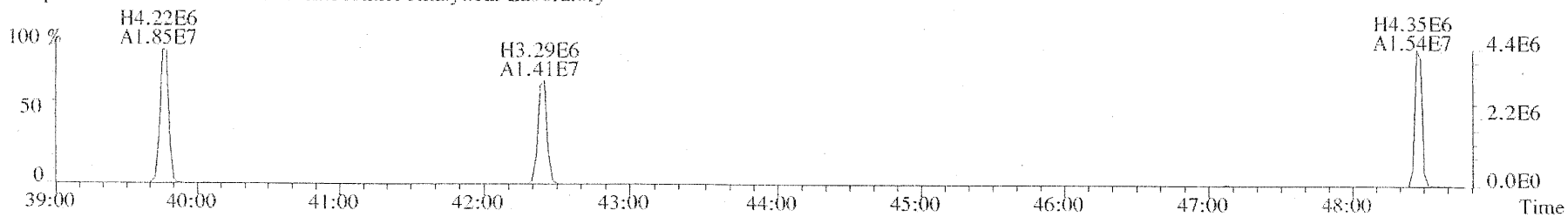
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



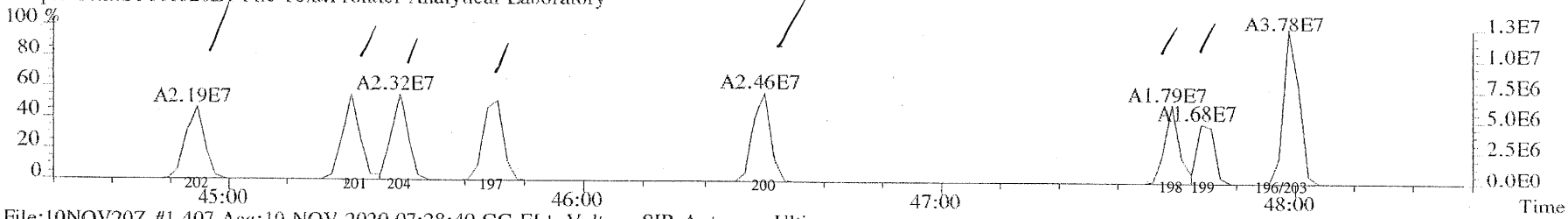
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



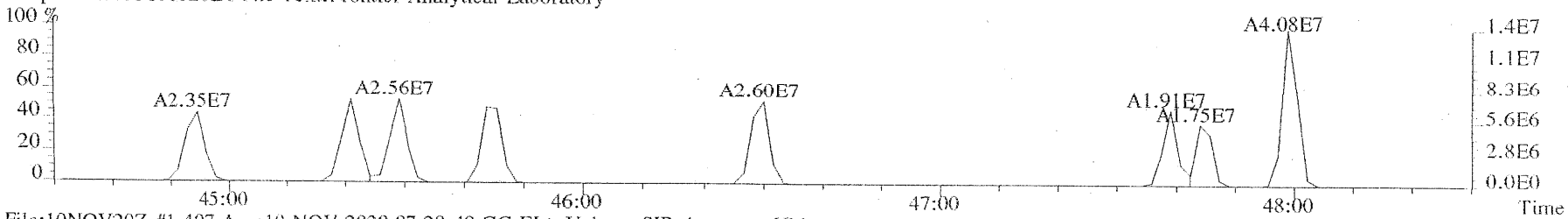
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



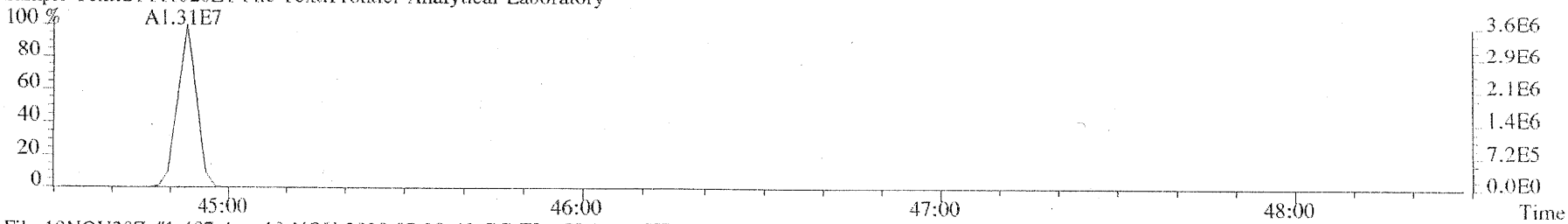
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



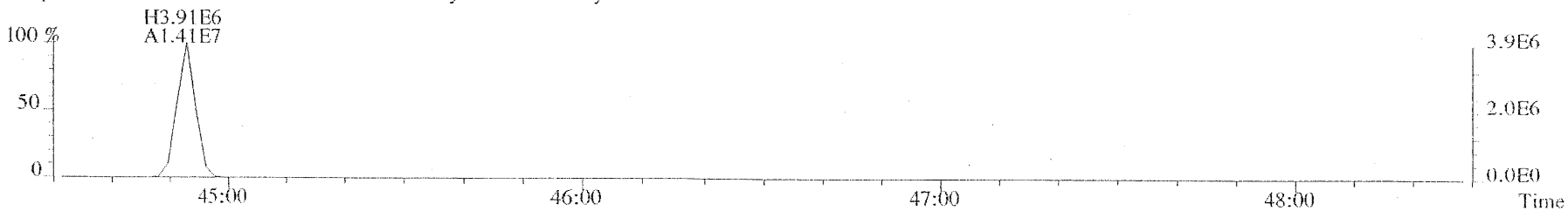
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



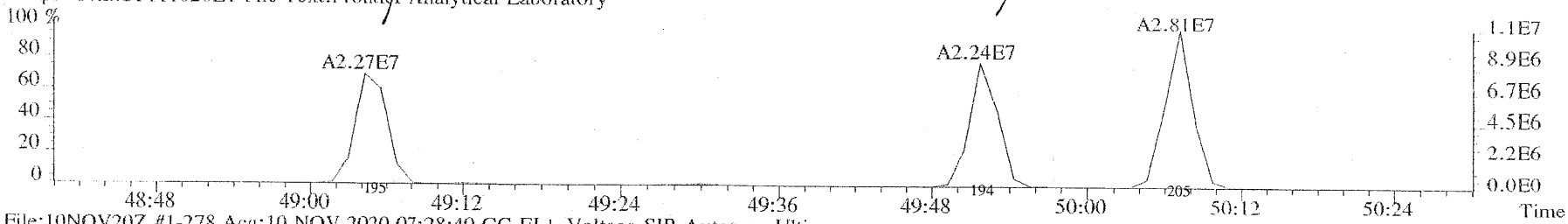
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



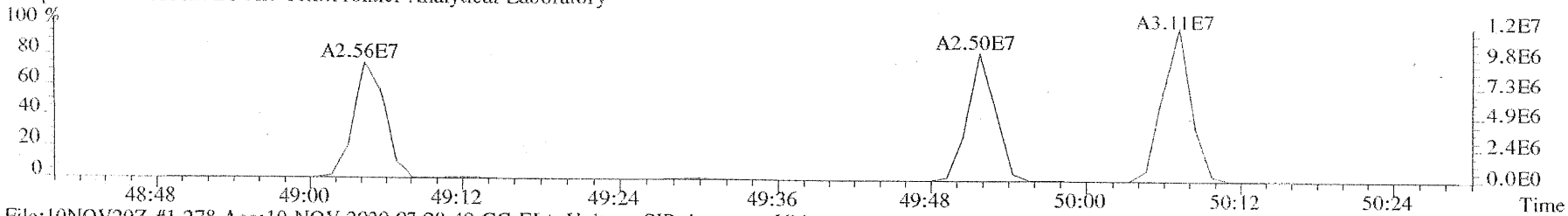
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



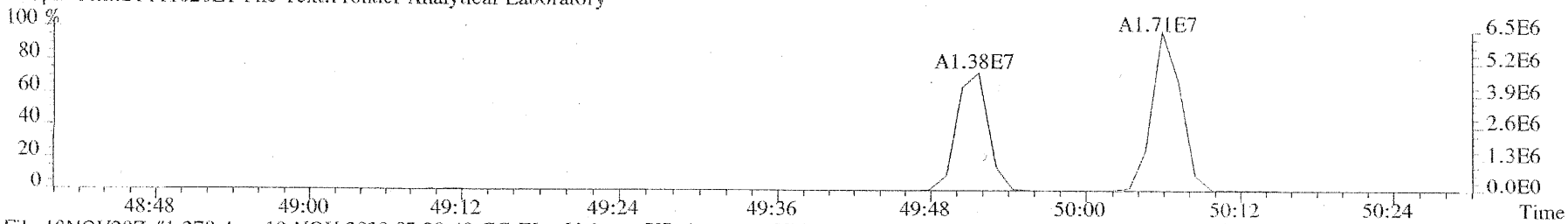
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



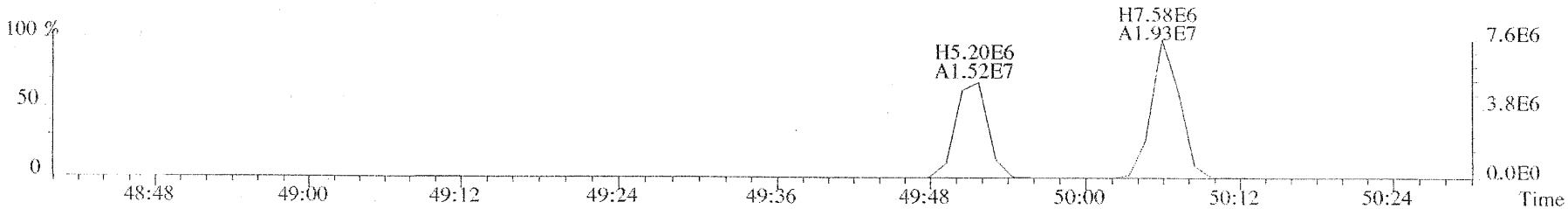
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



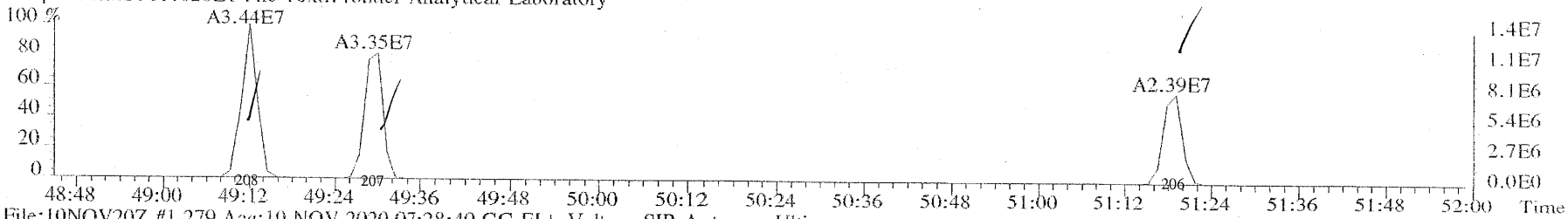
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



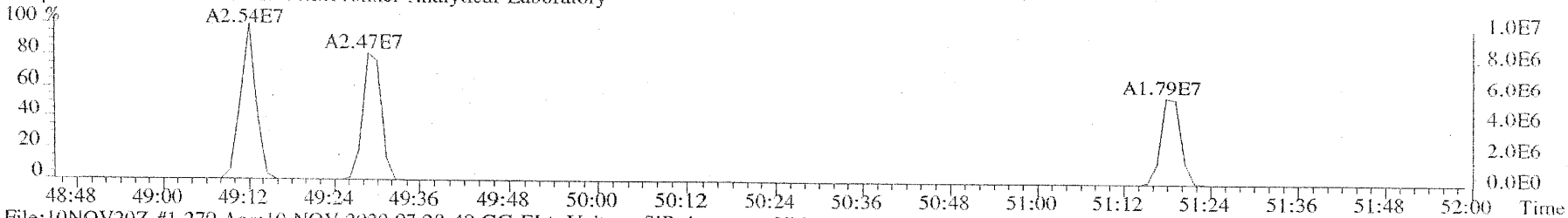
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



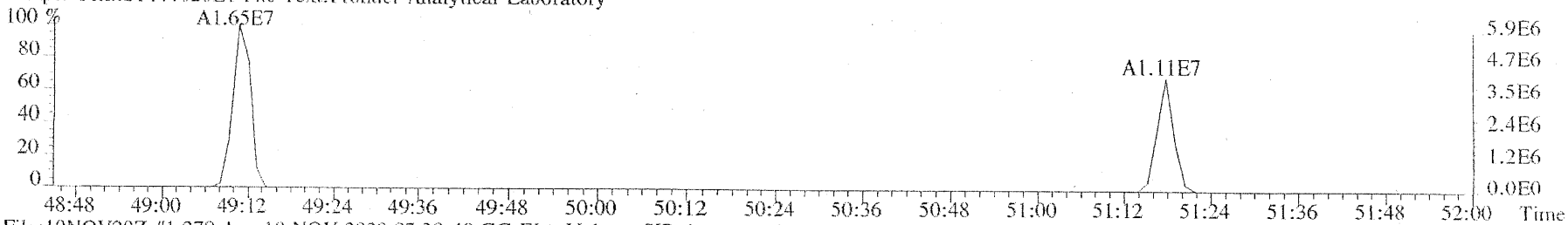
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



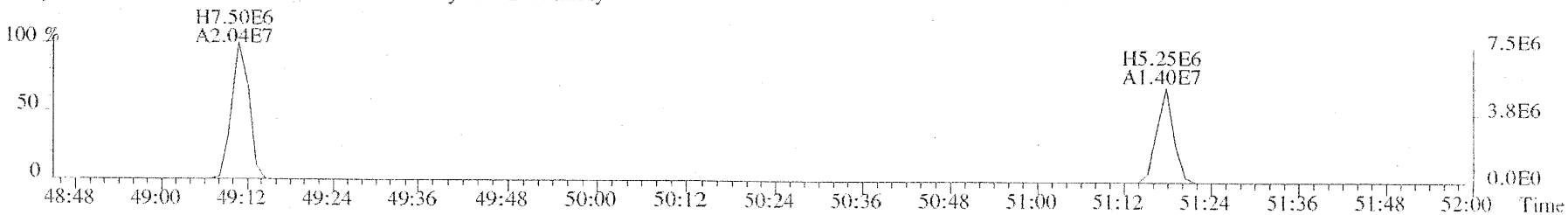
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



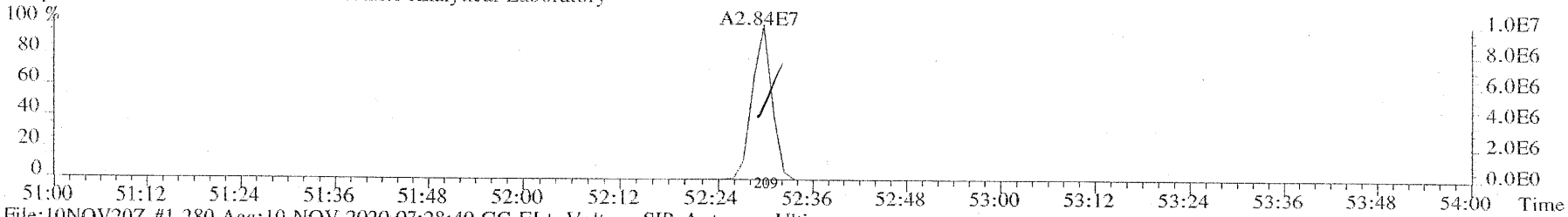
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



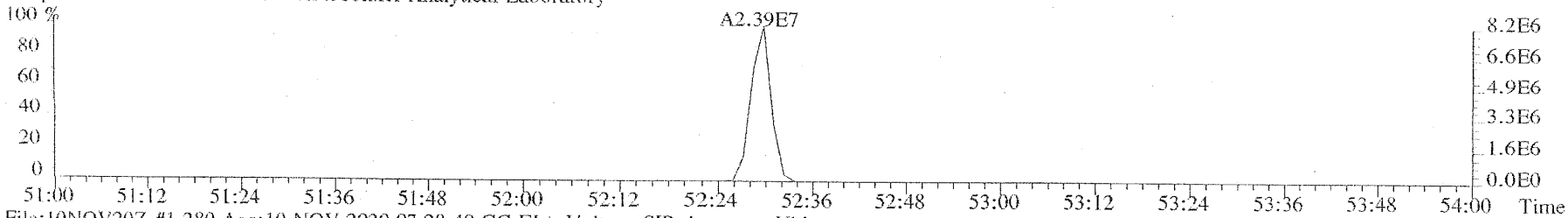
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



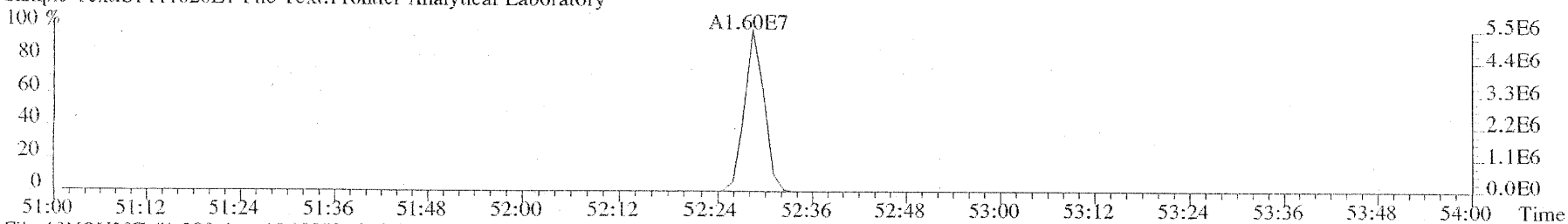
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



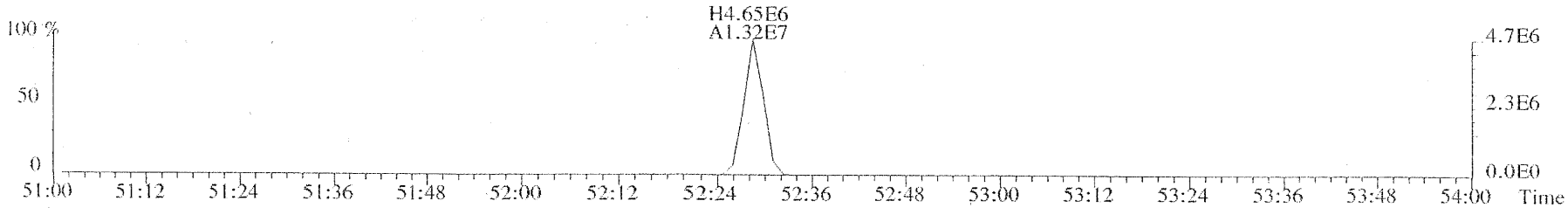
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



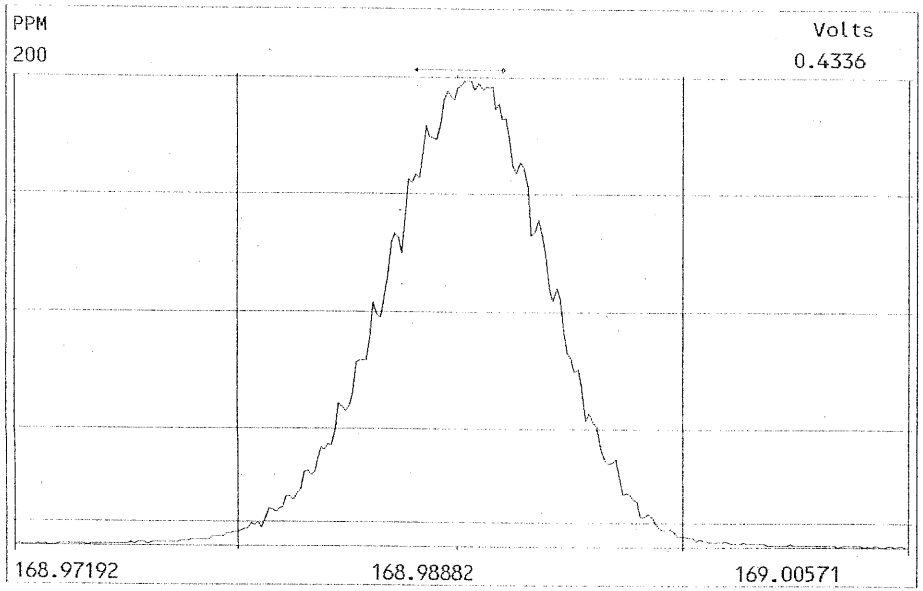
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

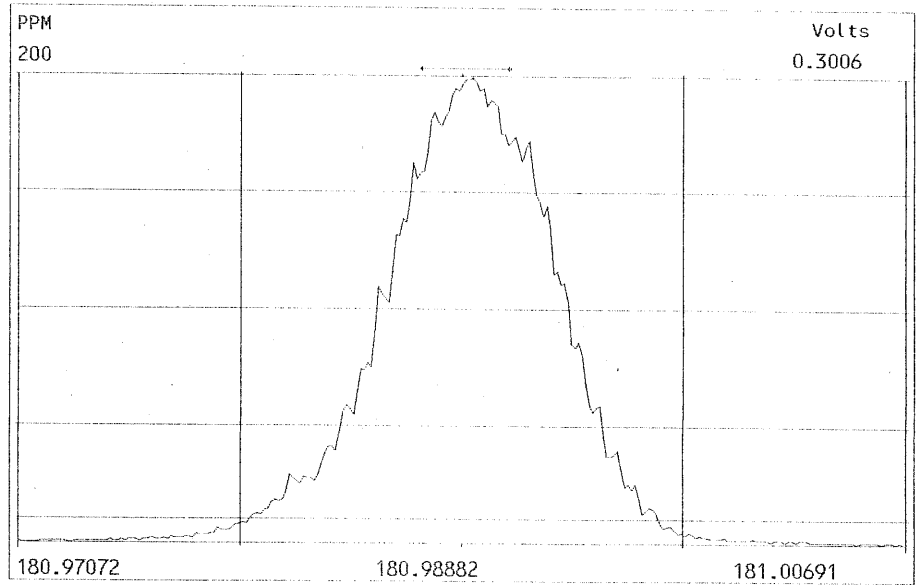


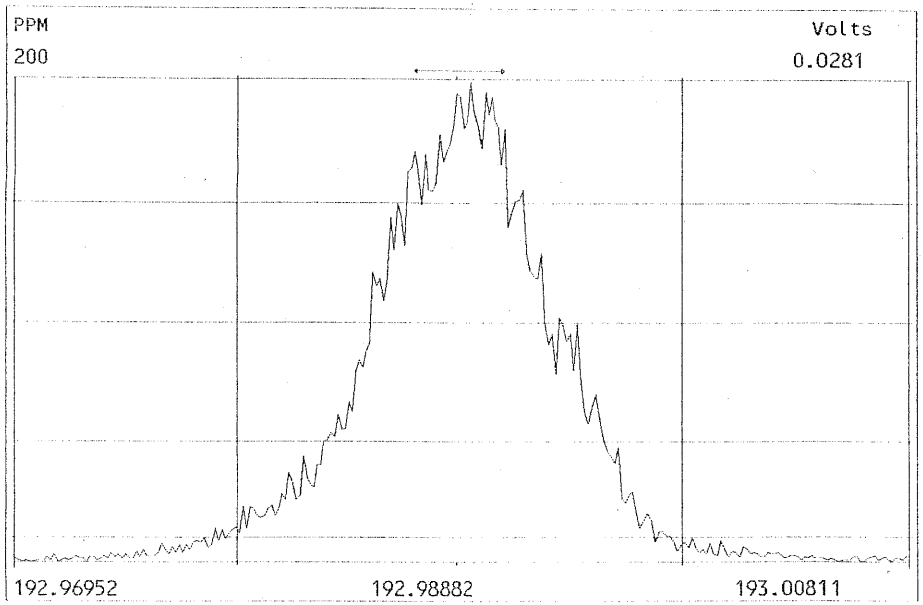
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

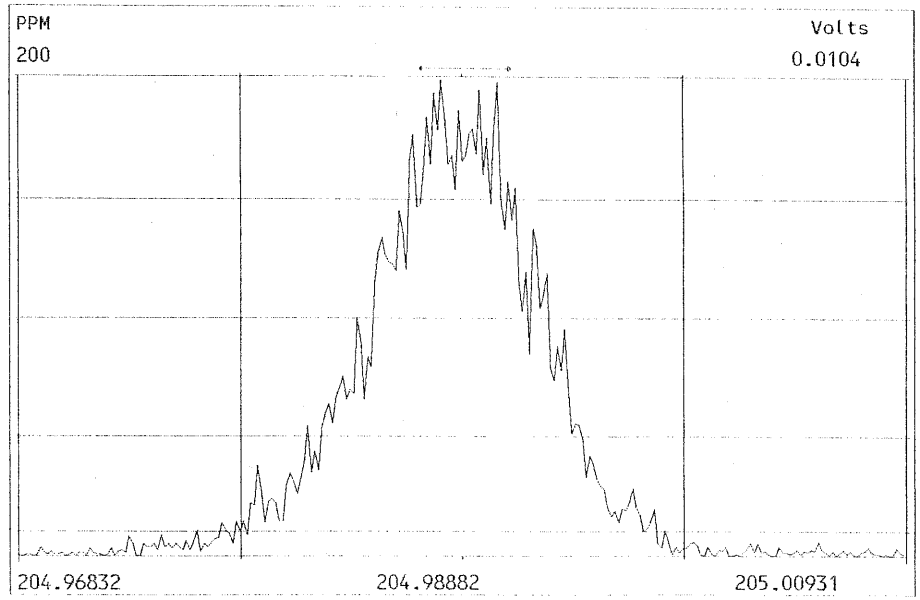


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

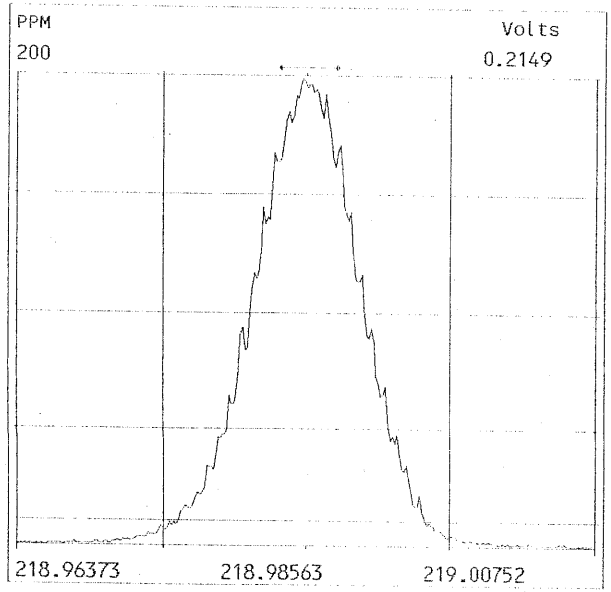


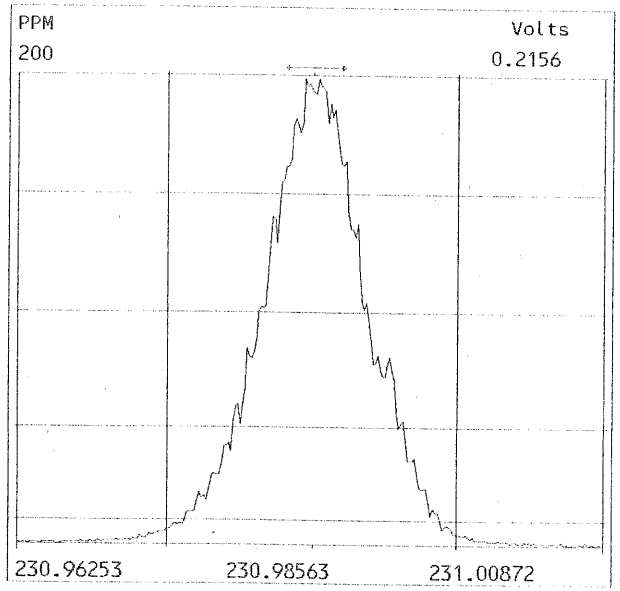


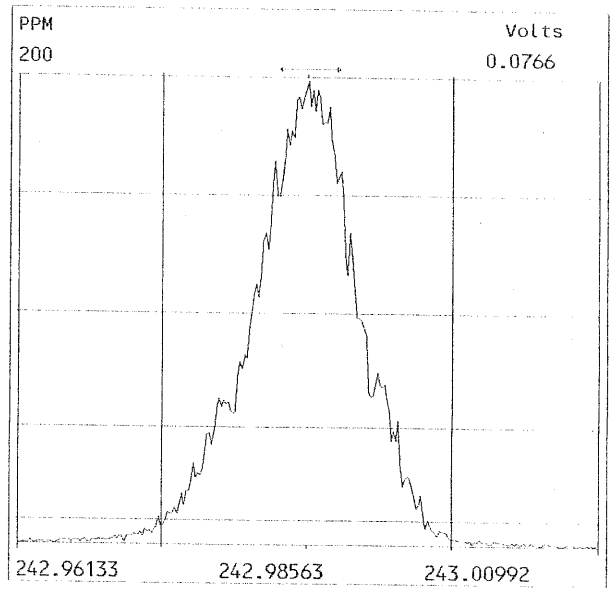


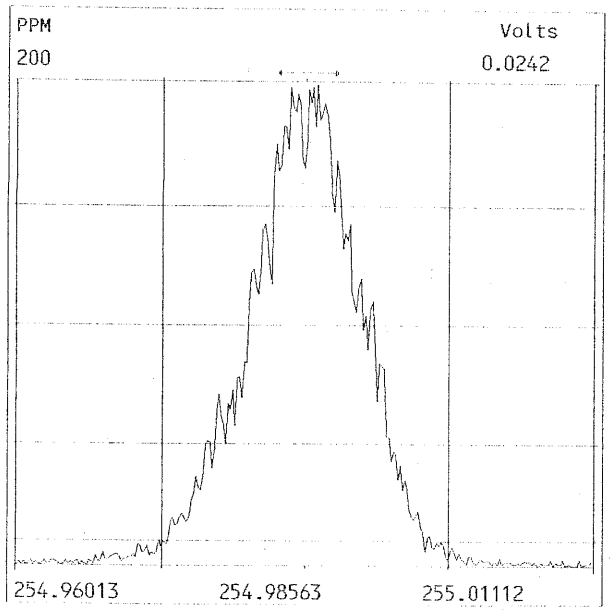


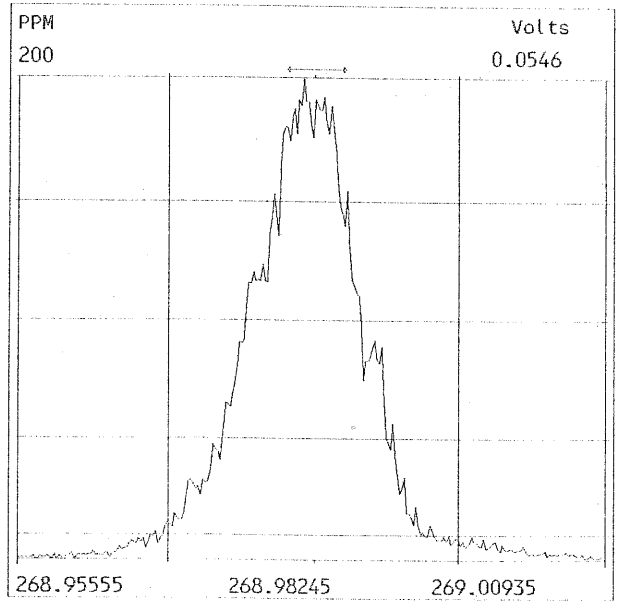
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

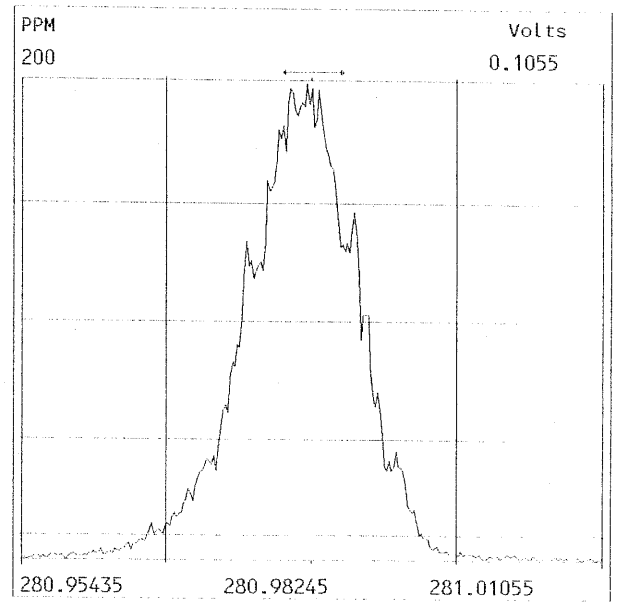






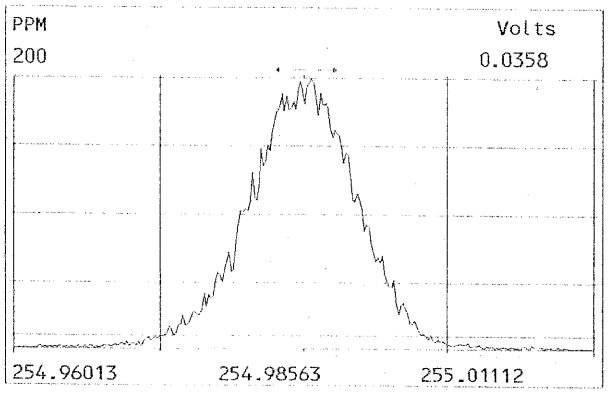


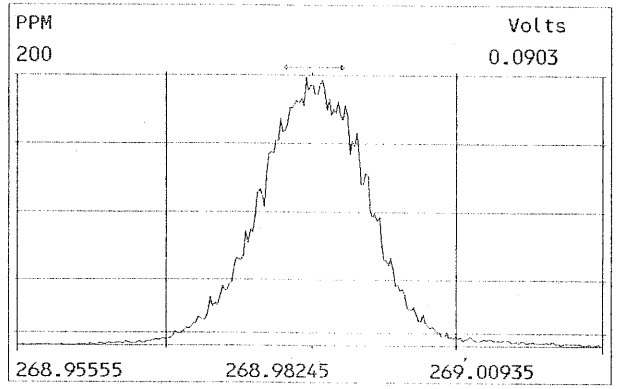


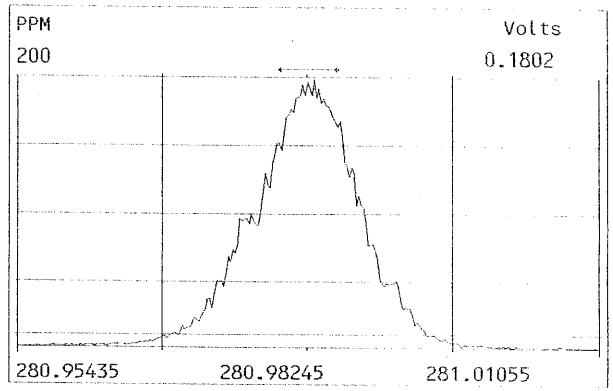


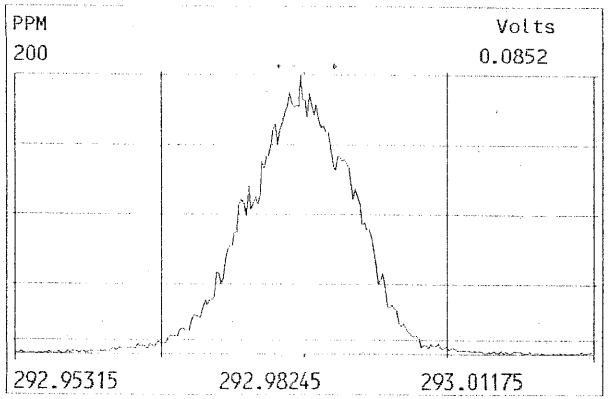
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK

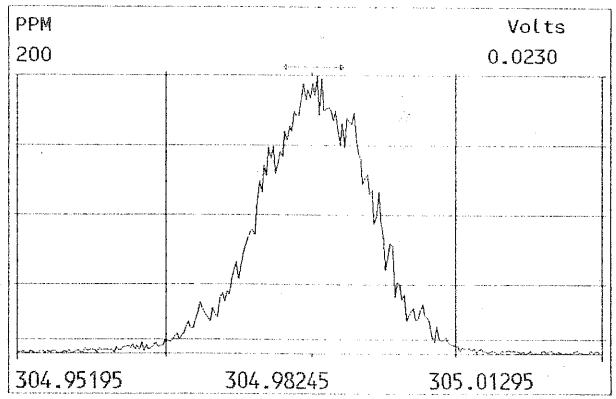
Experiment:1668PCB Function:3 Reference:PFK

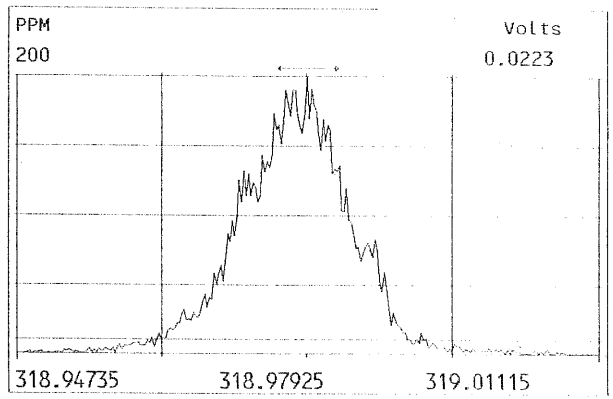


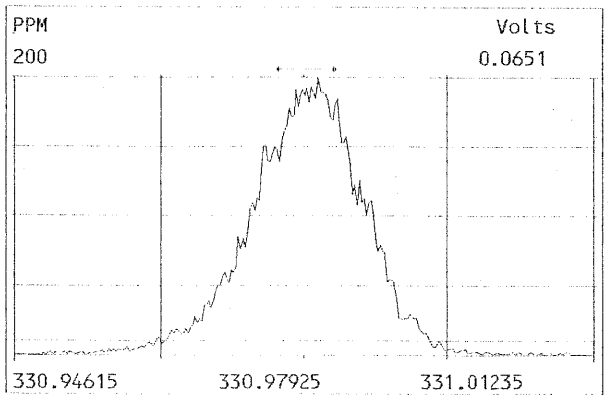


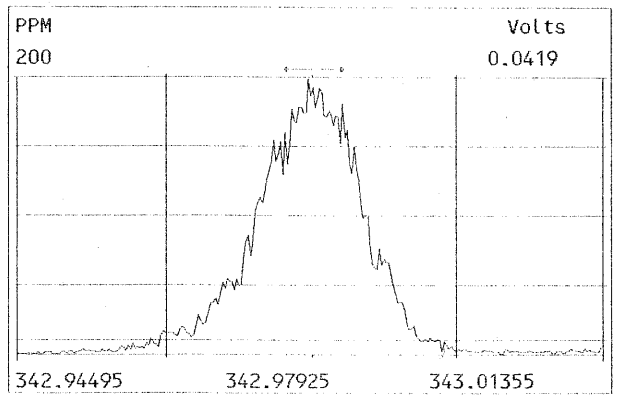




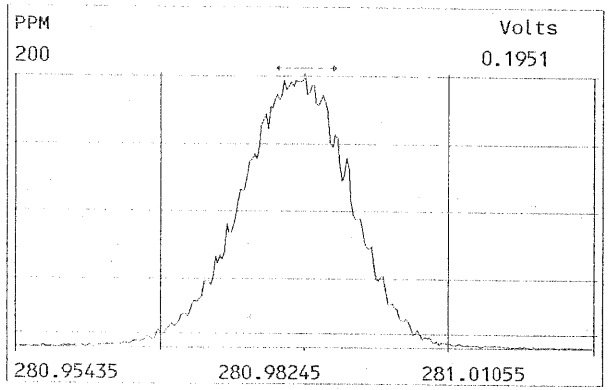


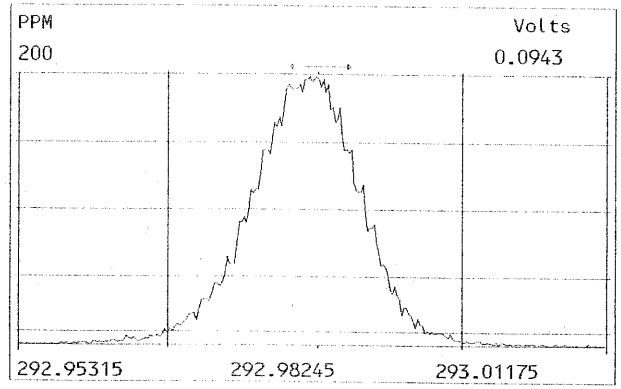


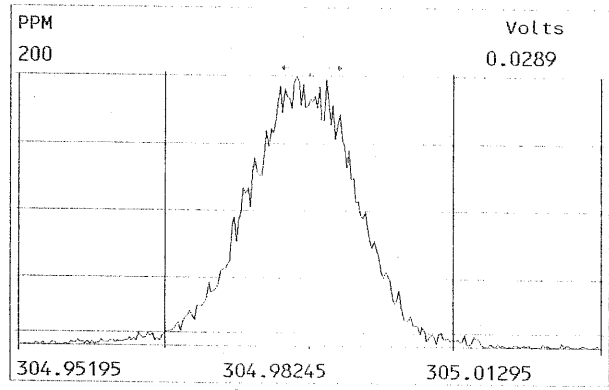


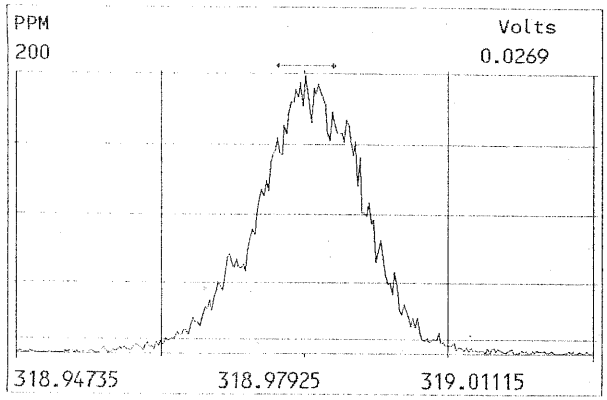


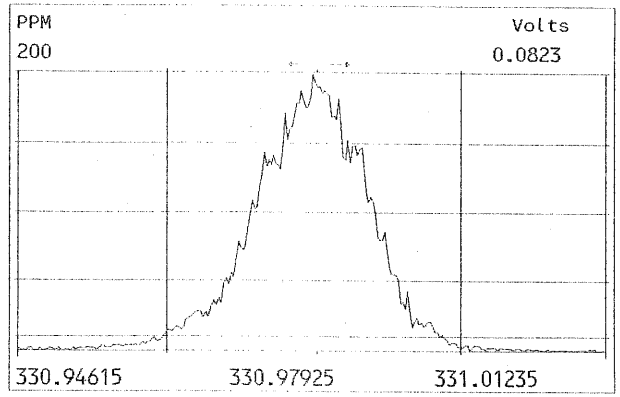
Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

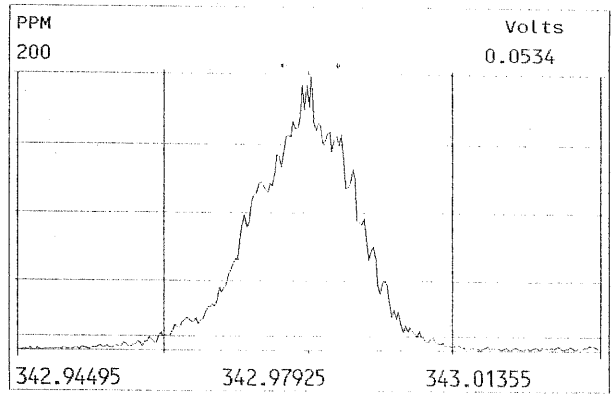


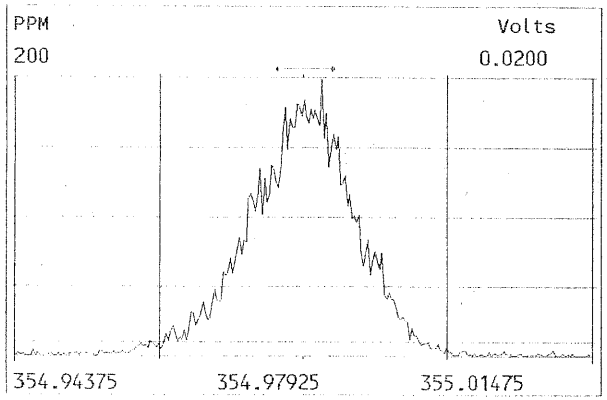


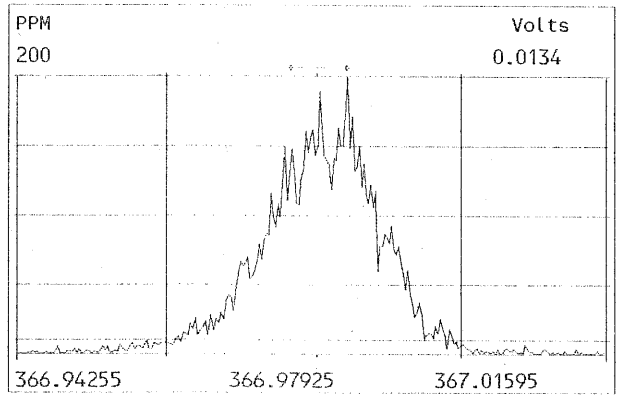


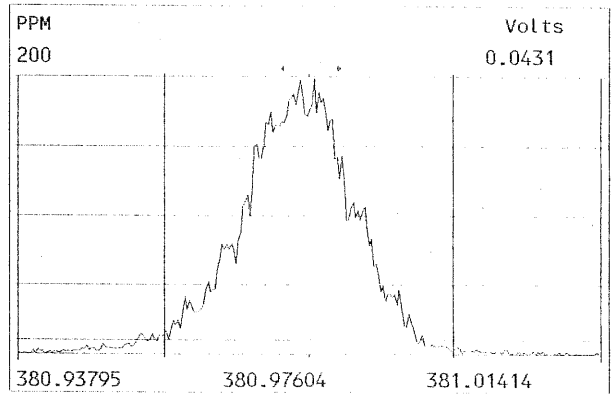




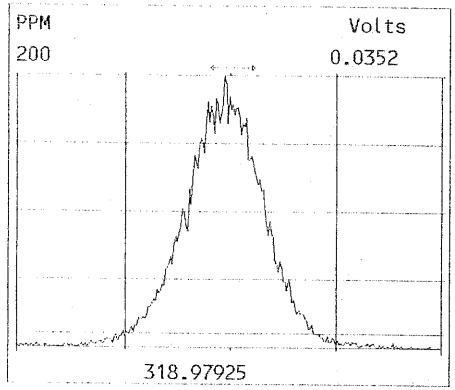


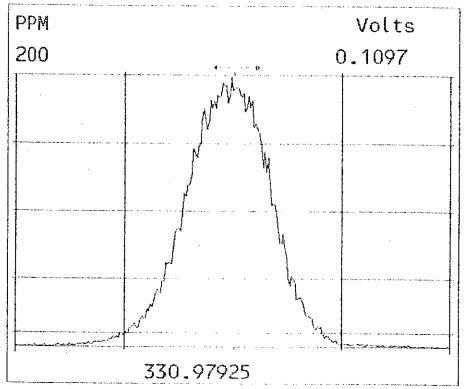


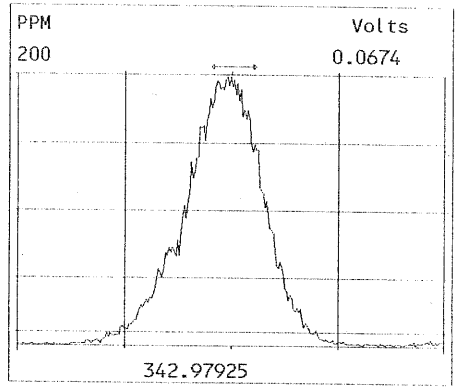


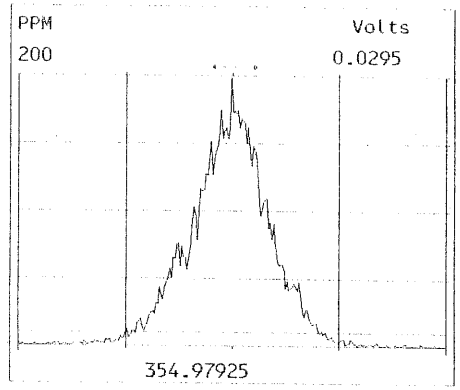


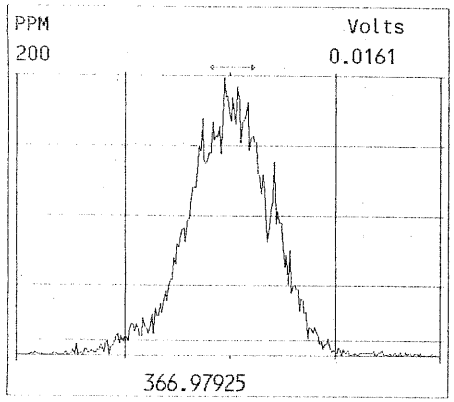
Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

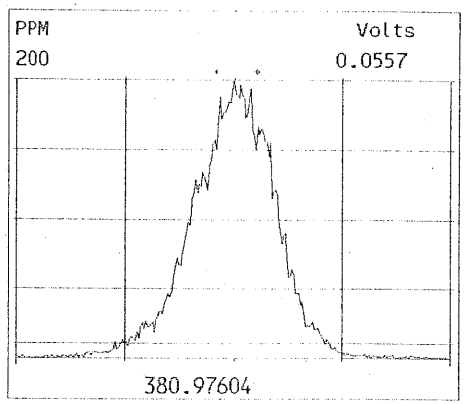


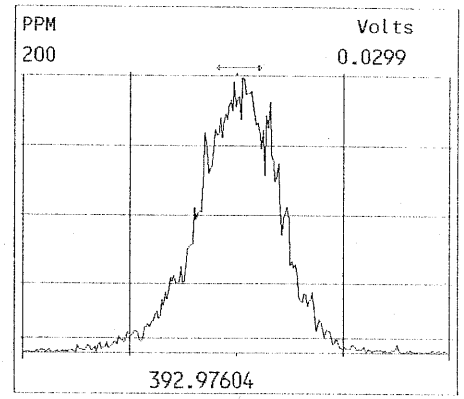


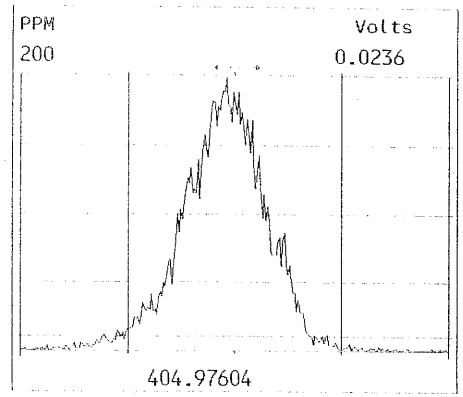


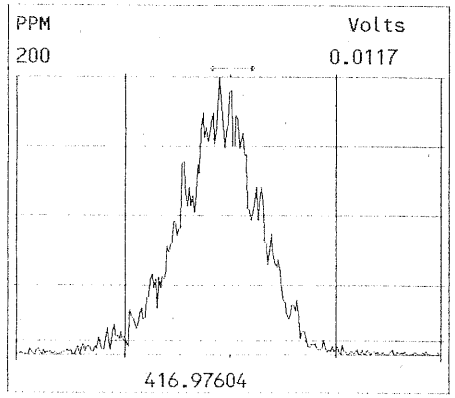


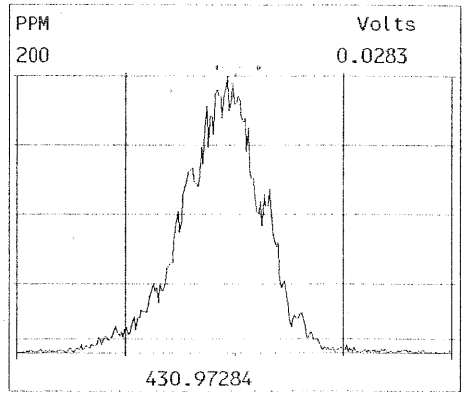


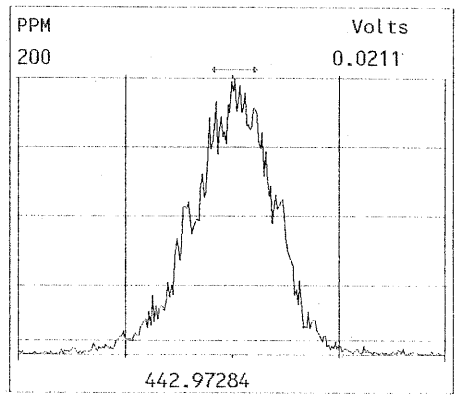




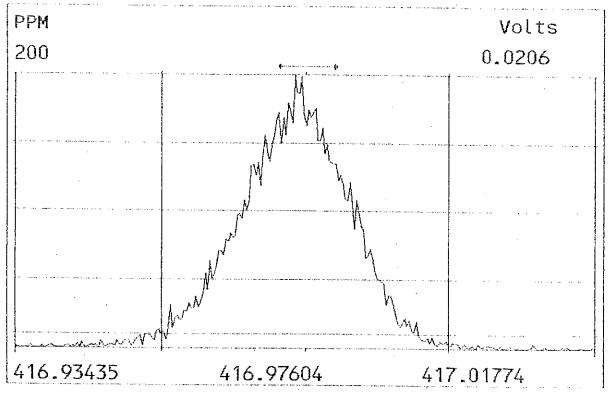


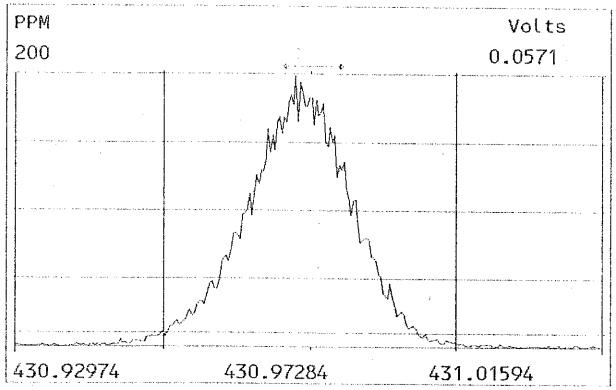


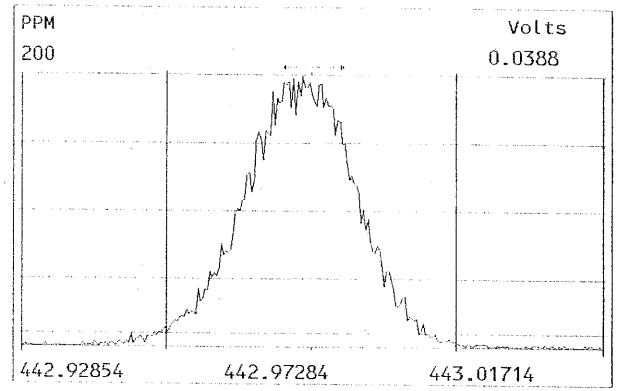


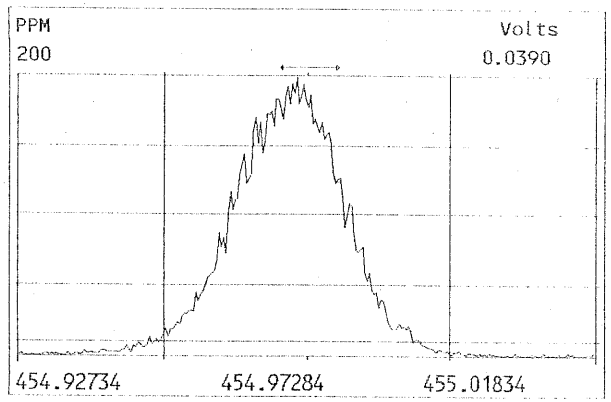


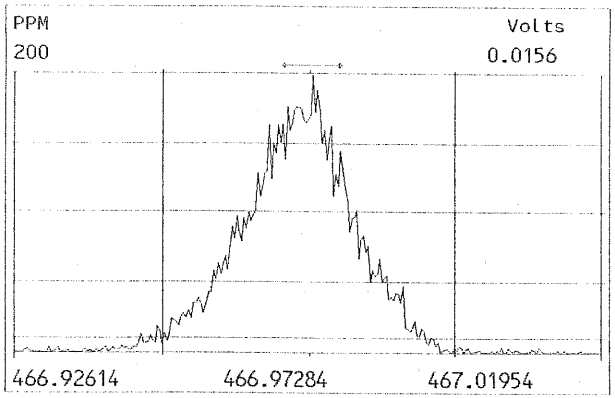
Peak Locate Examination:10-NOV-2020:20:48 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

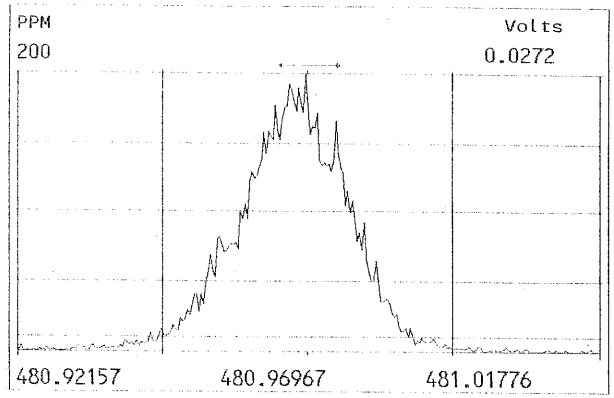


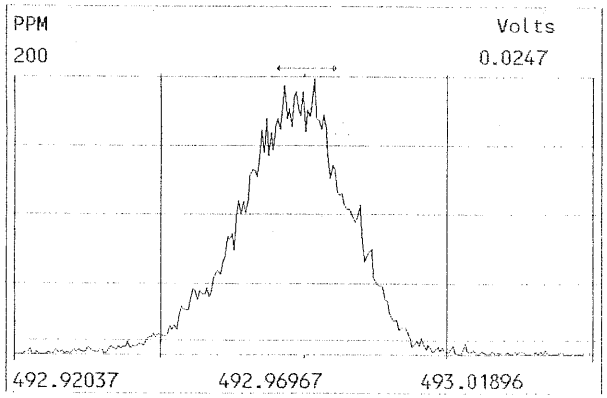


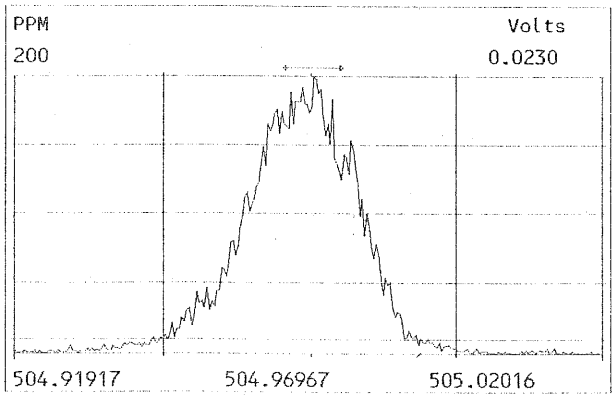


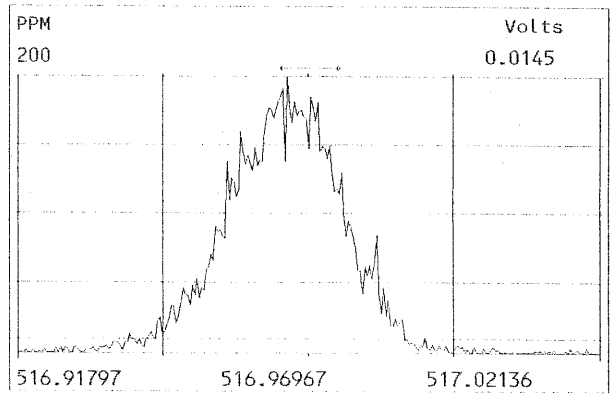












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	54.7	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	52.9	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	46.0	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	57.1	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	59.8	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	54.0	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	106	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	116	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	105	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	97.2	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	109	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	107	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	114	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	111	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	173	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	159	112.5 - 187.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	82.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	92.9	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	74.7	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	80.9	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	96.1	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	92.1	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	104	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	98.8	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	94.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	93.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	95.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	91.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.5	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	79.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	97.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	57.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	109	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	98.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	90.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	97.6	75.0 - 125

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

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.21	54.7		2.50	-	-	*	-
13C-PCB-1	4.90e+07	3.27 y	14:32	0.90	82.9		2.50				82.9
PCB-3	3.23e+07	3.23 y	16:60	1.23	52.9		2.50	-	-	*	-
13C-PCB-3	4.96e+07	3.32 y	16:59	0.93	81.2		2.50				81.2
PCB-4	2.27e+07	1.45 y	18:15	1.14	46.0		2.50	-	-	*	-
13C-PCB-4	4.33e+07	1.61 y	18:14	0.66	100.0		2.50				100.0
PCB-15	4.14e+07	1.55 y	23:46	1.09	57.1		2.50	-	-	*	-
13C-PCB-15	6.64e+07	1.61 y	23:45	1.09	92.9		2.50				92.9
PCB-19	1.80e+07	1.10 y	22:09	1.21	59.8		2.50	-	-	*	-
13C-PCB-19	2.48e+07	1.14 y	22:07	0.50	74.7		2.50				74.7
13C-PCB-9	6.58e+07	1.60 y	19:54	-	64.4		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.14	54.0		2.50	-	-	*	-
13C-PCB-37	4.68e+07	1.06 y	30:23	1.64	80.9		2.50				80.9
PCB-54	5.37e+07	0.78 y	25:40	1.18	106		2.50	-	-	*	-
13C-PCB-54	4.28e+07	0.80 y	25:39	1.26	96.1		2.50				96.1
PCB-104	3.89e+07	1.58 y	30:07	1.12	105		2.50	-	-	*	-
13C-PCB-104	3.32e+07	1.56 y	30:06	1.02	92.1		2.50				92.1
13C-PCB-28	5.53e+07	1.04 y	26:43	1.73	90.4		2.50				90.4
13C-PCB-52	3.53e+07	0.78 y	28:60	-	66.4		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.13	116		2.50	-	-	*	-
13C-PCB-81	4.88e+07	0.79 y	36:11	1.57	96.7		2.50				96.7
PCB-77	5.99e+07	0.82 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	5.14e+07	0.81 y	36:44	1.61	99.2		2.50				99.2
PCB-155	3.87e+07	1.28 y	34:17	1.13	102		2.50	-	-	*	-
13C-PCB-155	3.35e+07	1.33 y	34:16	1.10	94.4		2.50				94.4
13C-PCB-111	4.14e+07	1.61 y	36:20	1.27	101		2.50				101
13C-PCB-101	3.21e+07	1.61 y	34:42	-	67.4		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.11	97.2		2.50	-	-	*	-
13C-PCB-123	4.66e+07	1.58 y	38:22	1.28	98.8		2.50				98.8
PCB-118	1.13e+08	1.58 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	5.00e+07	1.60 y	38:32	1.35	101		2.50				101
PCB-114	6.11e+07	1.58 y	39:12	1.13	112		2.50	-	-	*	-
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.10	110		2.50	-	-	*	-
13C-PCB-105	4.89e+07	1.61 y	39:58	1.28	104		2.50				104
PCB-126	5.57e+07	1.59 y	42:06	1.08	109		2.50	-	-	*	-
13C-PCB-126	4.69e+07	1.60 y	42:06	1.23	104		2.50				104
PCB-167	4.96e+07	1.26 y	43:29	1.11	108		2.50	-	-	*	-
13C-PCB-167	4.15e+07	1.28 y	43:29	1.23	91.9		2.50				91.9
PCB-156	4.96e+07	1.25 y	44:43	1.13	107		2.50	-	-	*	-
13C-PCB-156	4.10e+07	1.25 y	44:41	1.19	93.8		2.50				93.8
PCB-157	5.26e+07	1.24 y	44:58	1.08	114		2.50	-	-	*	-
13C-PCB-157	4.28e+07	1.30 y	44:58	1.21	95.9		2.50				95.9
PCB-169	4.90e+07	1.28 y	46:49	1.08	111		2.50	-	-	*	-
13C-PCB-169	4.11e+07	1.27 y	46:48	1.17	95.5		2.50				95.5
PCB-188	3.90e+07	1.07 y	39:46	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.30e+07	1.12 y	39:46	1.13	79.6		2.50				79.6
PCB-189	3.69e+07	1.04 y	48:28	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.45e+07	1.04 y	48:28	0.97	97.1		2.50				97.1
PCB-202	3.63e+07	0.96 y	44:54	1.03	173		2.50	-	-	*	-
13C-PCB-202	2.03e+07	0.95 y	44:53	0.96	57.8		2.50				57.8
13C-PCB-178	2.79e+07	1.09 y	42:24	0.78	97.6		2.50				97.6
13C-PCB-138	3.68e+07	1.27 y	41:37	-	76.5		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92	y	50:07	1.09	159	2.50	-	-	*	-
13C-PCB-205	3.72e+07	0.89	y	50:07	1.32	102	2.50				102
PCB-208	6.56e+07	1.36	y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	4.05e+07	0.81	y	49:12	1.38	107	2.50				107
PCB-206	4.66e+07	1.33	y	51:19	1.04	159	2.50	-	-	*	-
13C-PCB-206	2.81e+07	0.80	y	51:18	0.94	109	2.50				109
PCB-209	5.37e+07	1.18	y	52:29	1.13	159	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.20	y	52:29	1.10	98.6	2.50				98.6
13C-PCB-194	2.76e+07	0.88	y	49:52	-	72.4	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

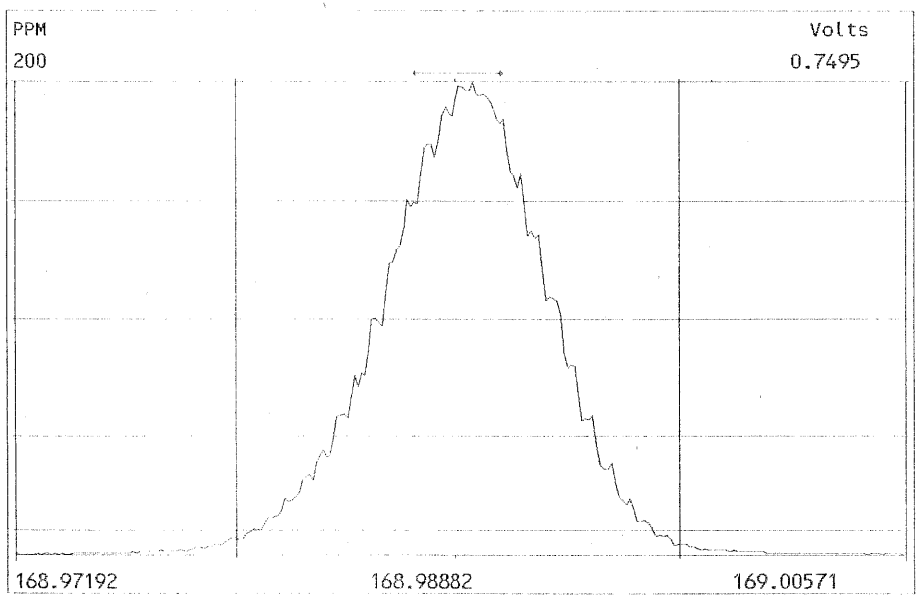
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

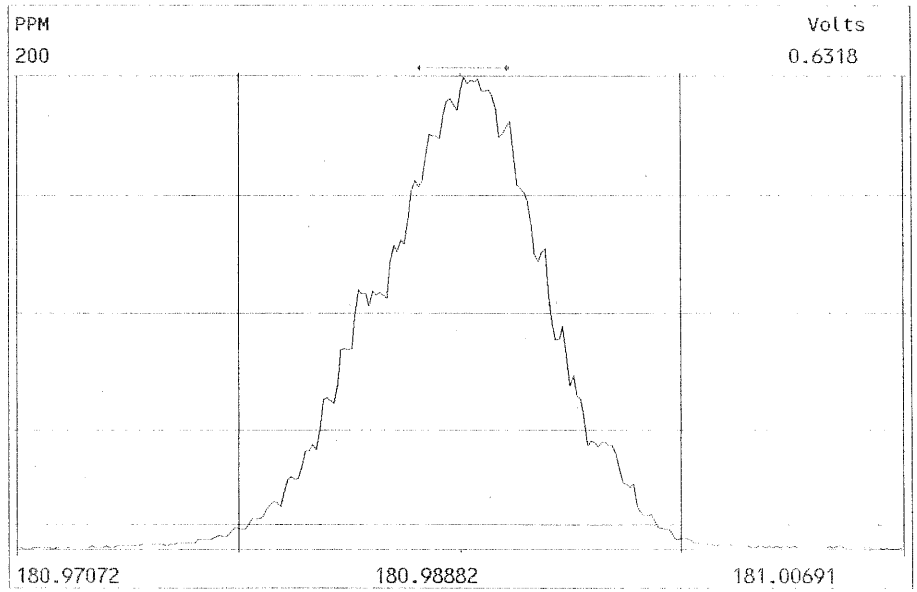
8/11/20

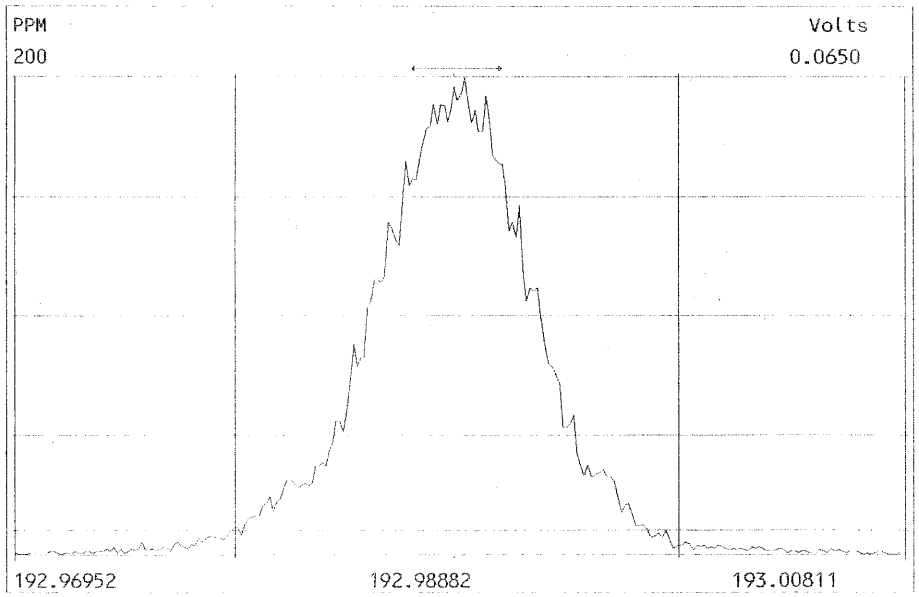
Data Backed Up:_____

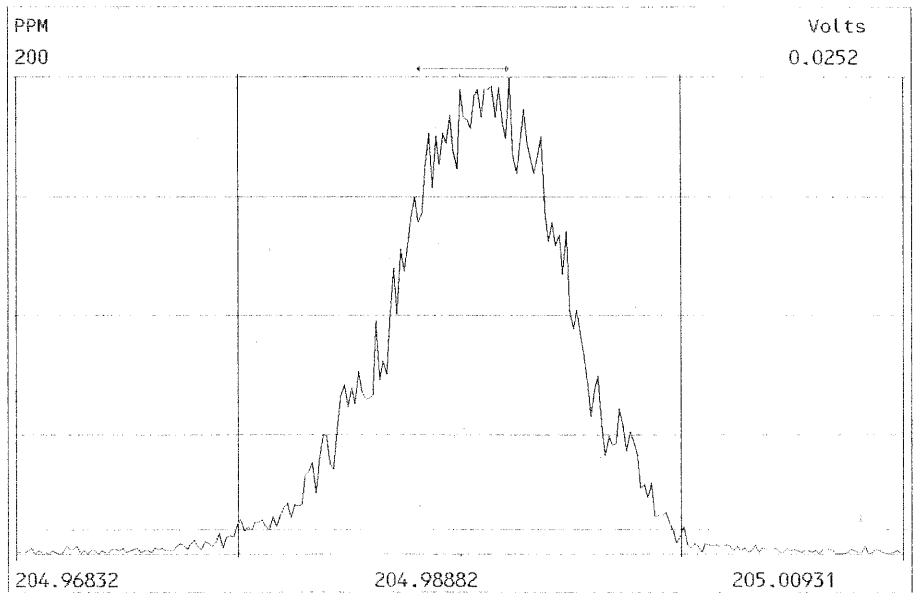
Date:_____

Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

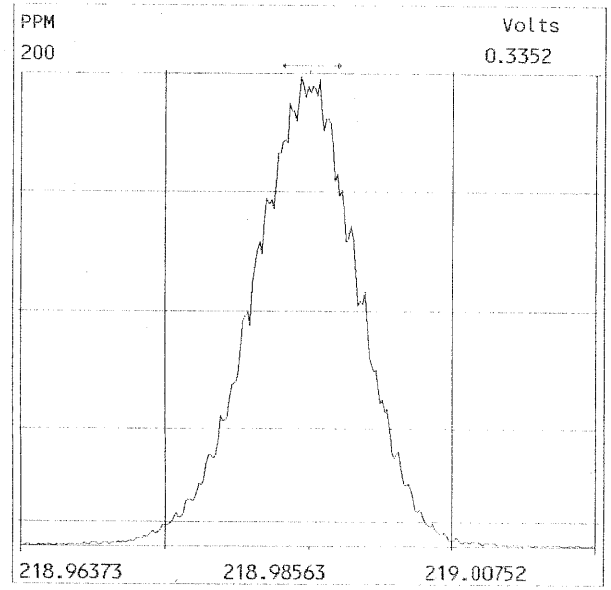


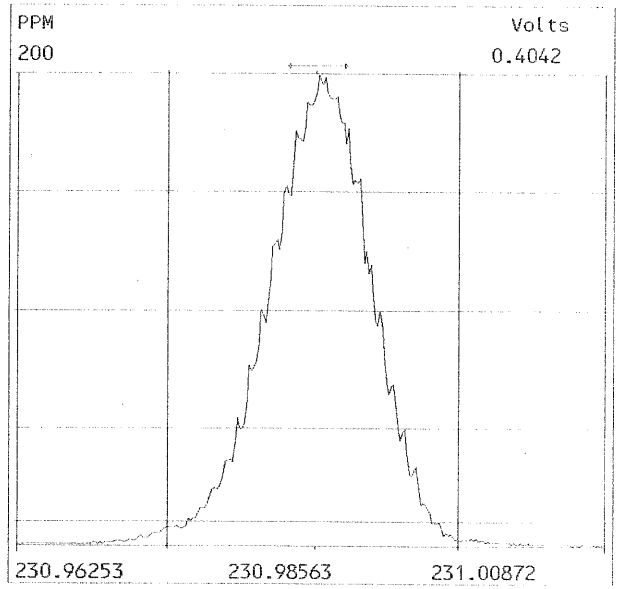


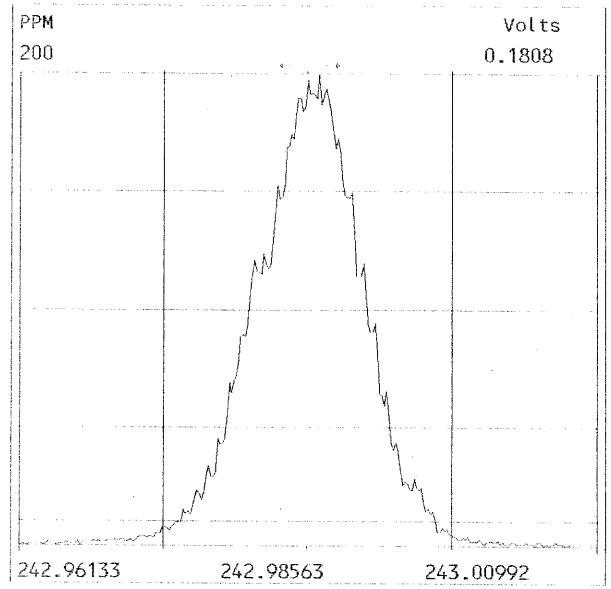


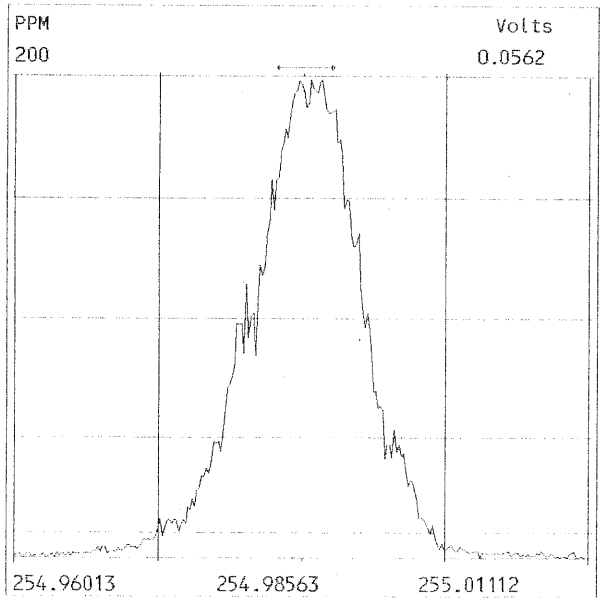


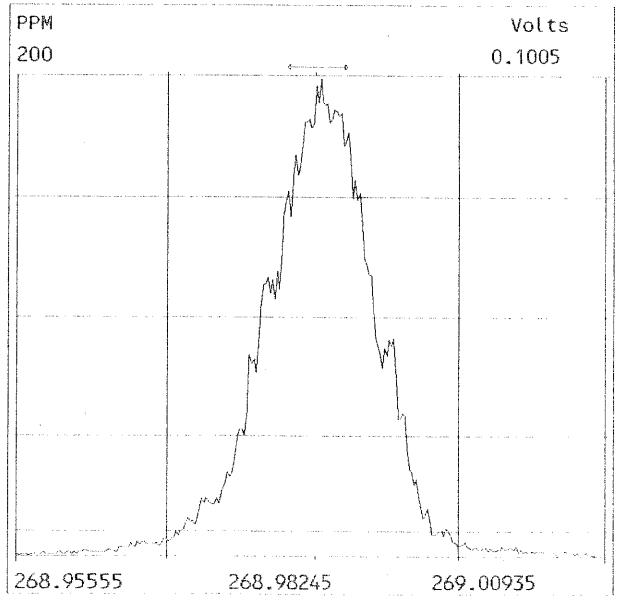
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

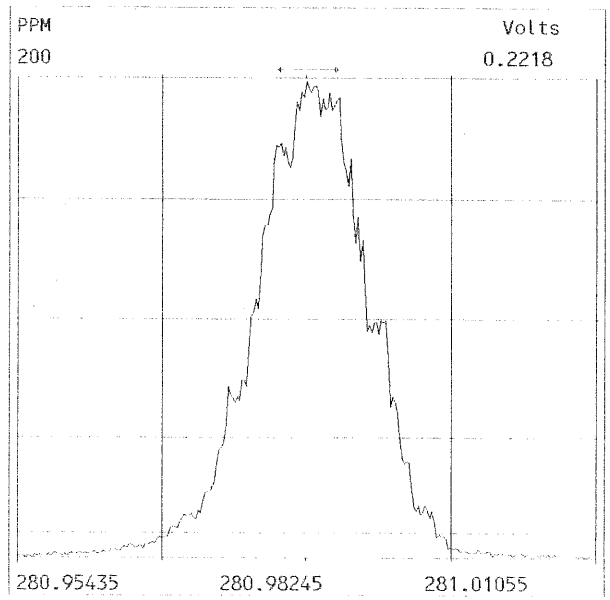




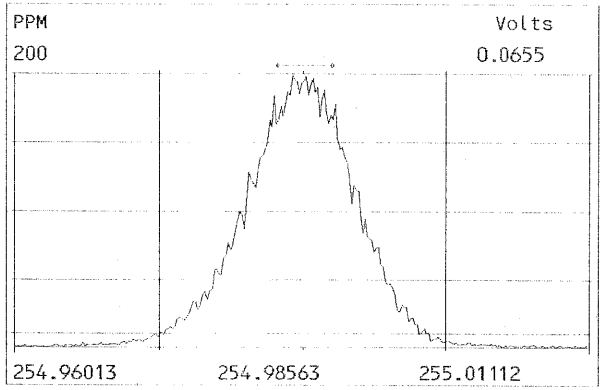


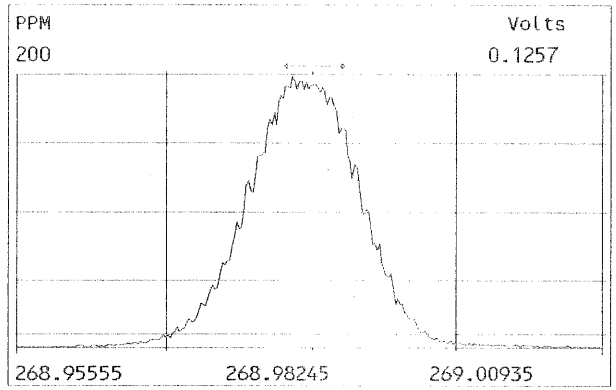


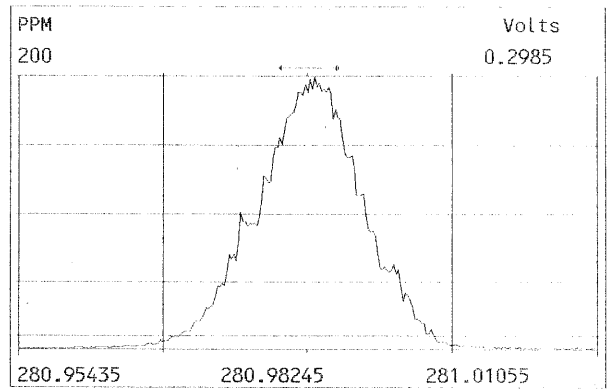


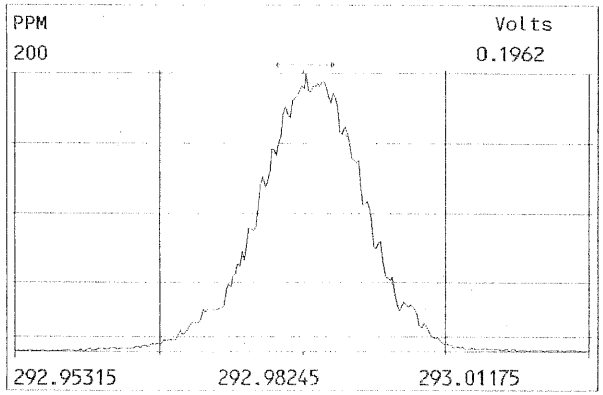


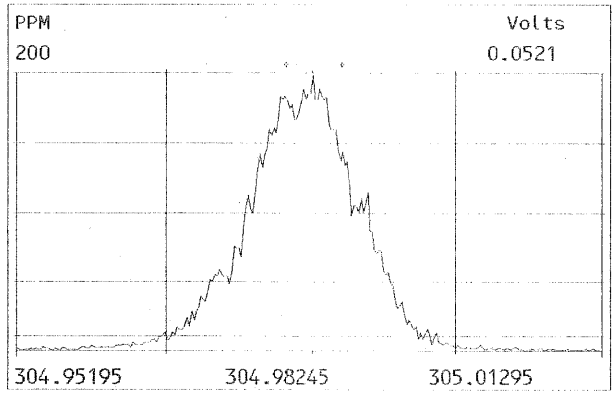
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

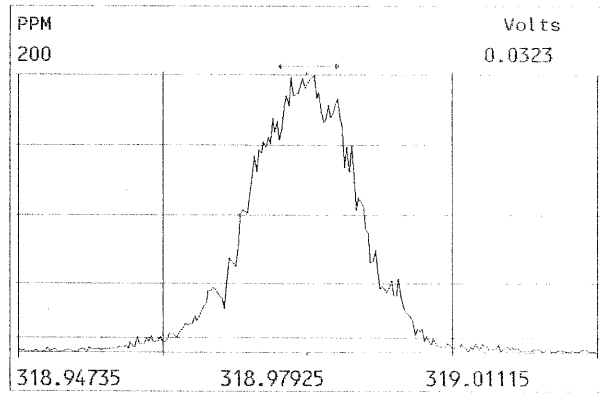


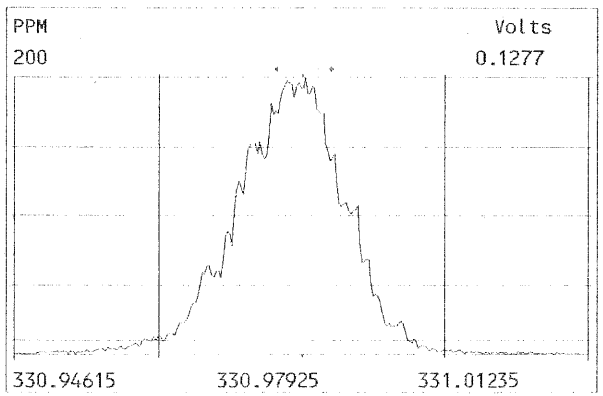


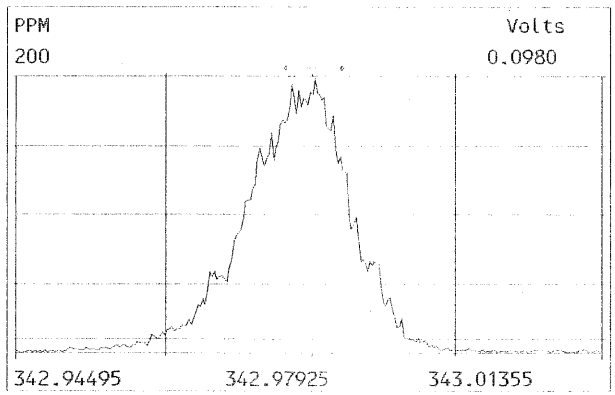






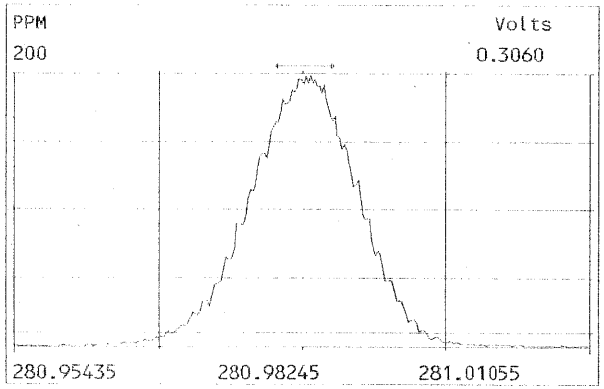


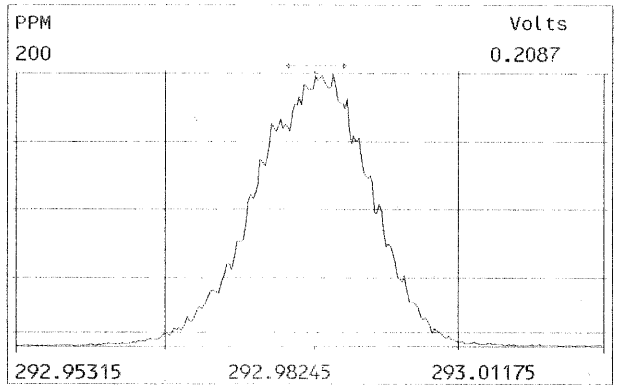


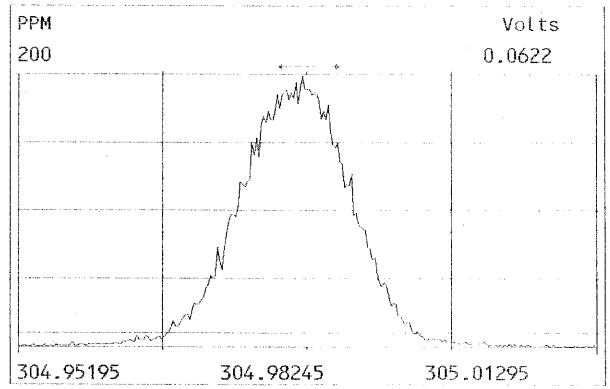


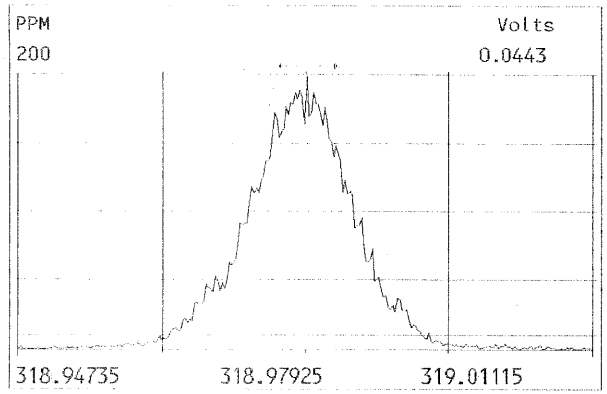
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

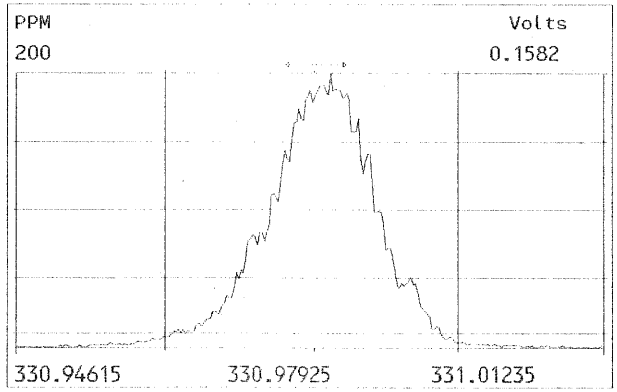
Experiment:1668PCB Function:4 Reference:PFK

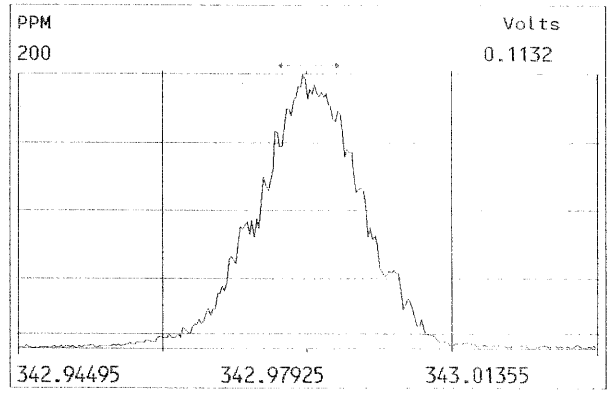


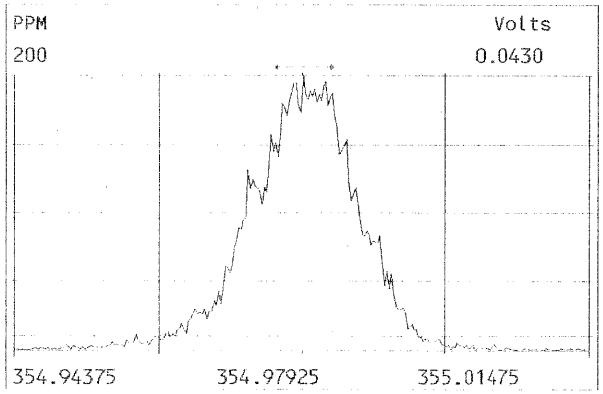


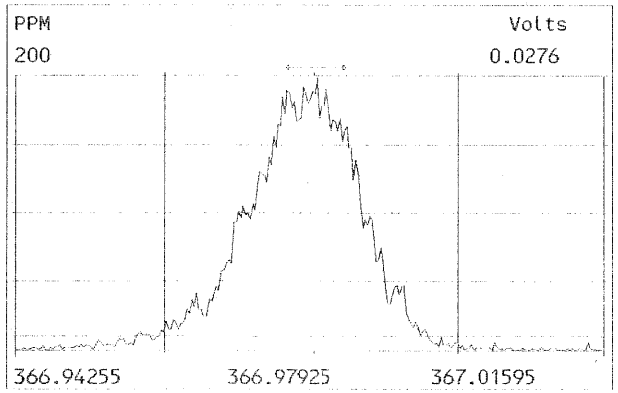


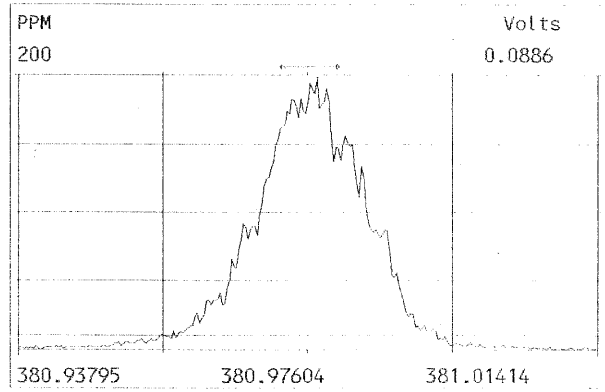




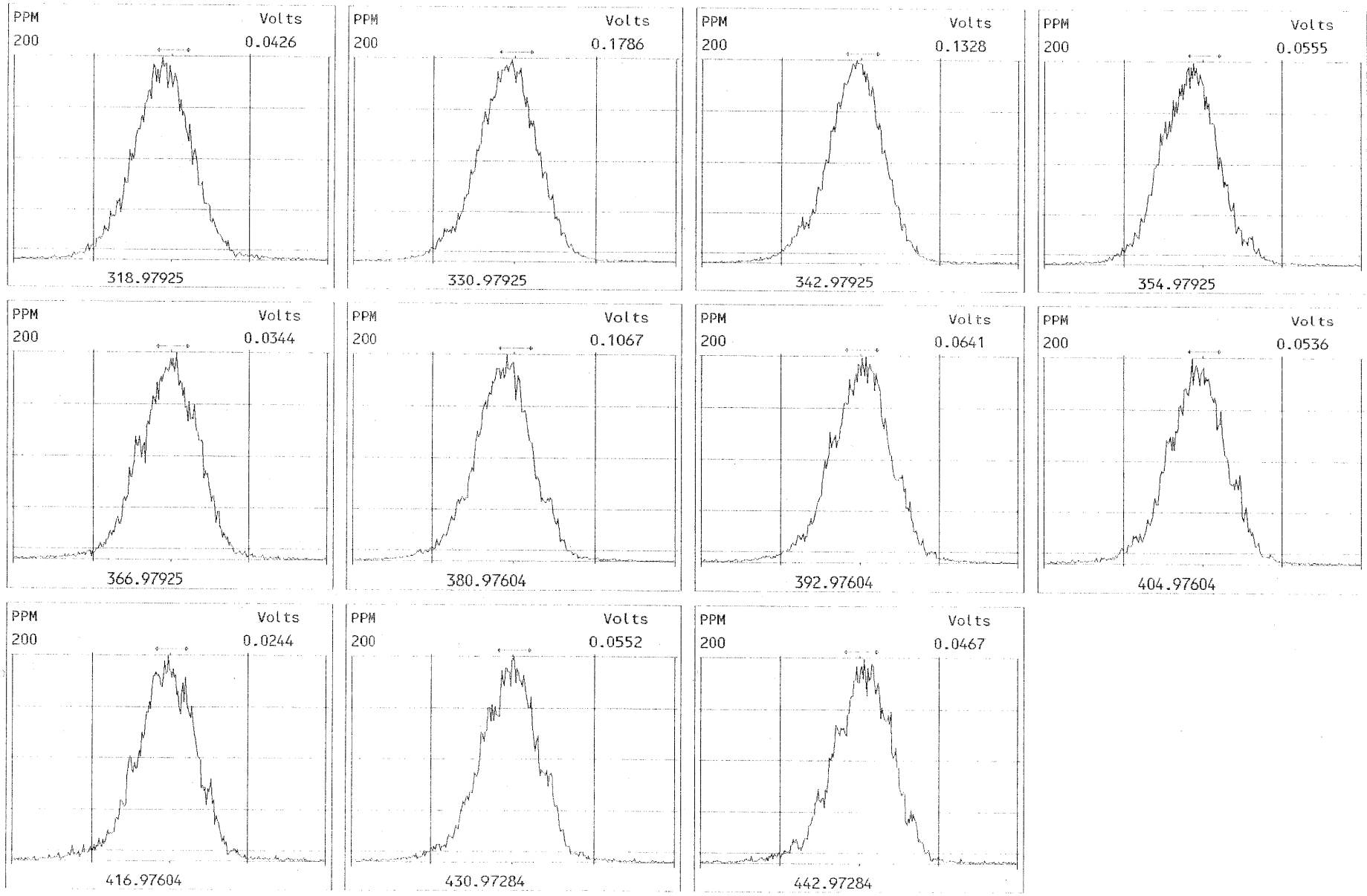






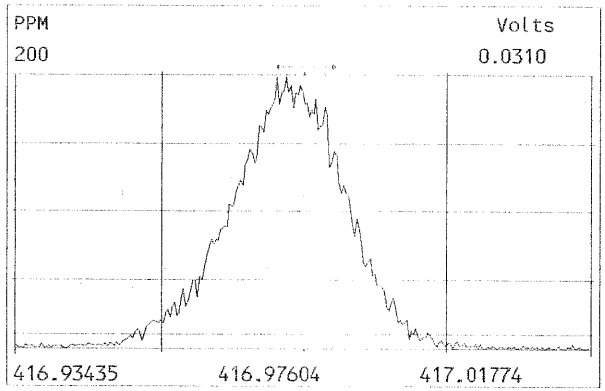


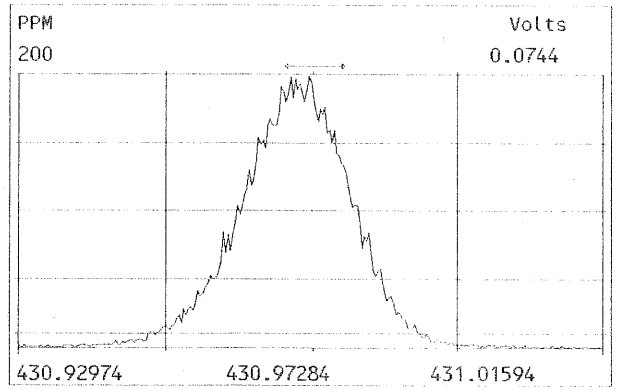
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

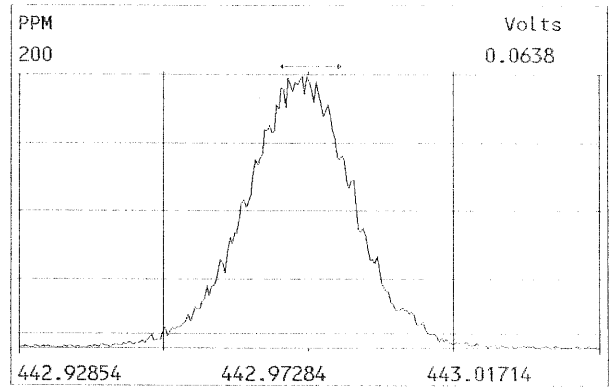


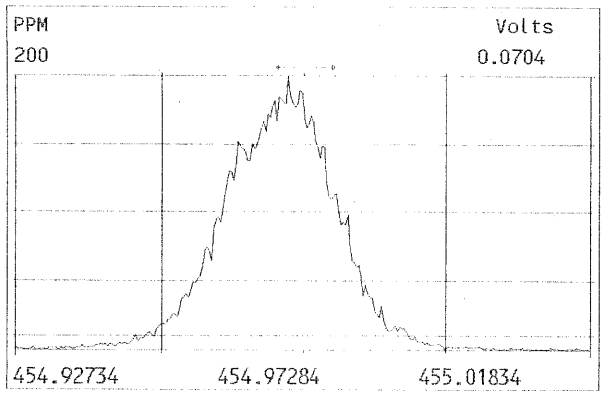
Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z

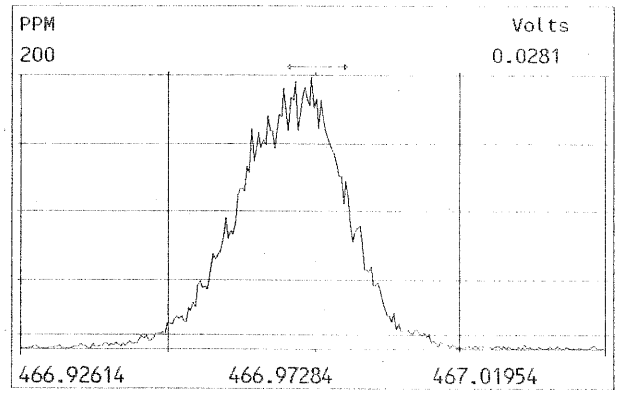
Experiment:1668PCB Function:6 Reference:PFK

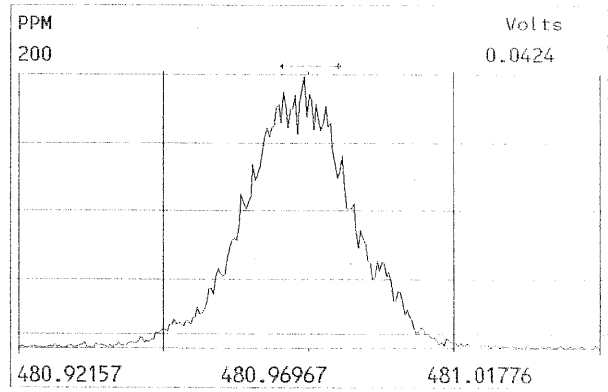


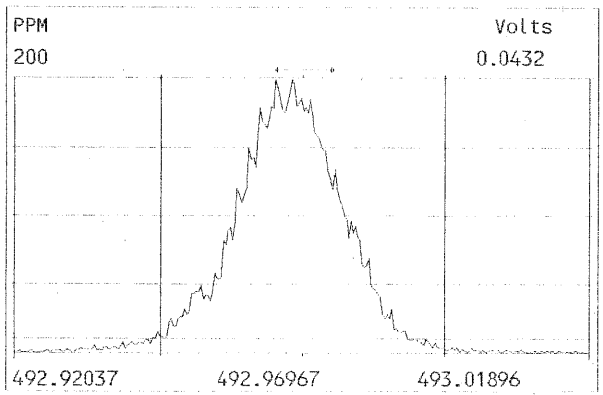


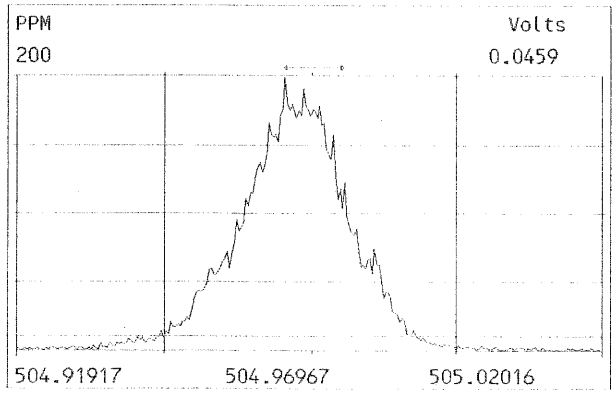


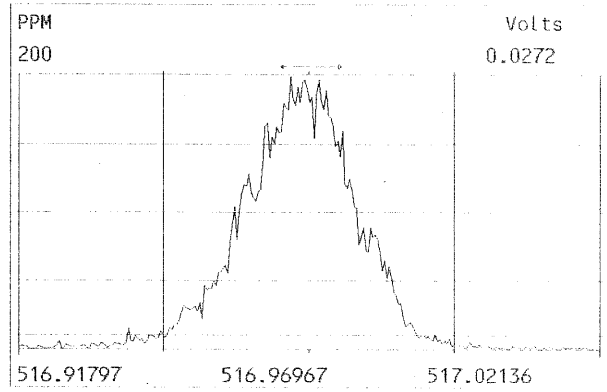




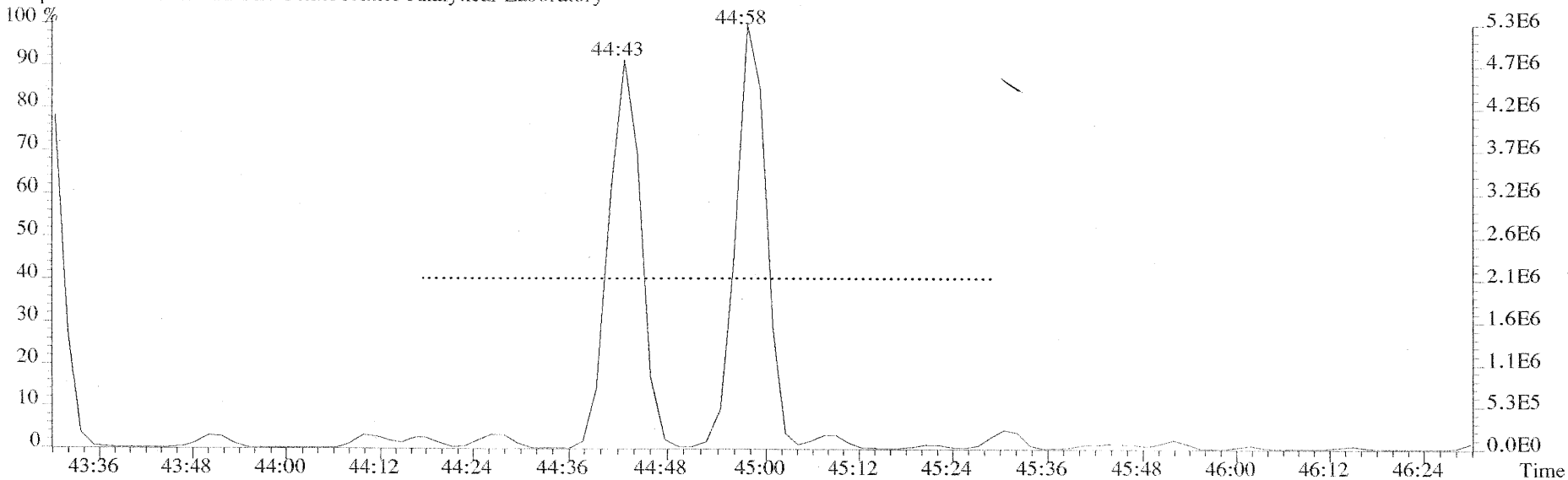




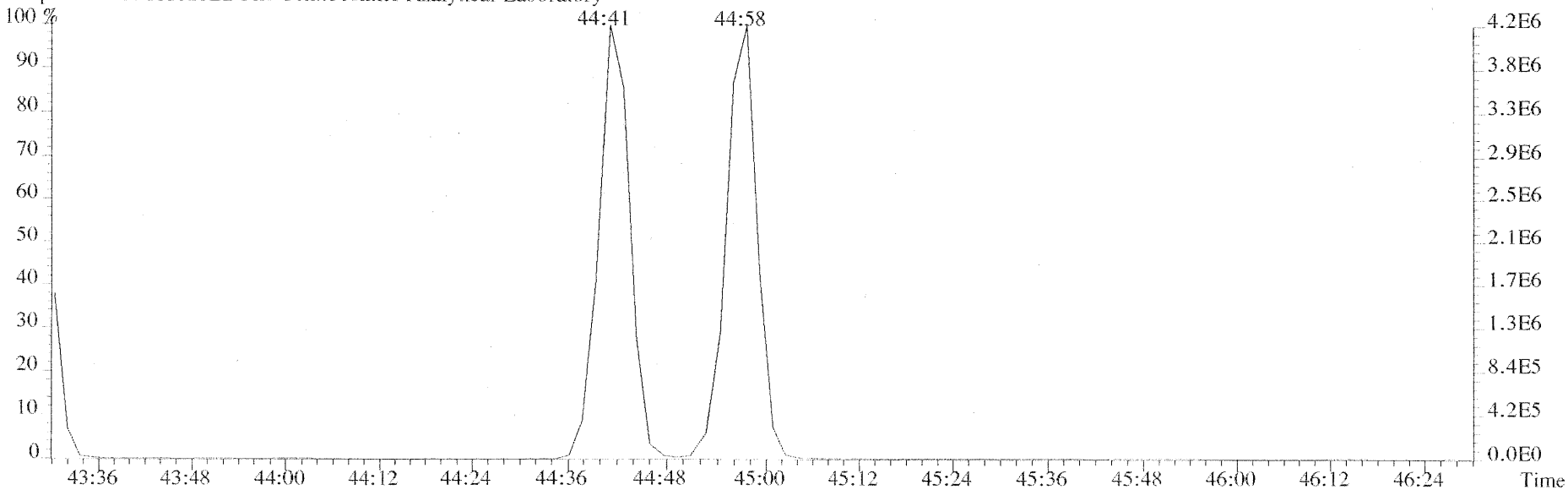




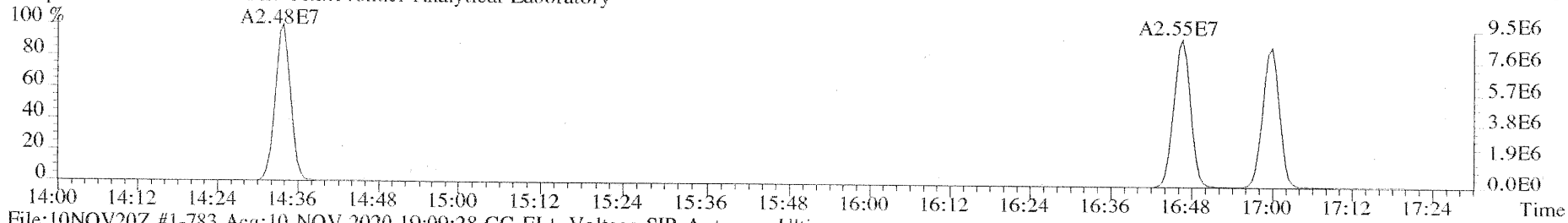
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



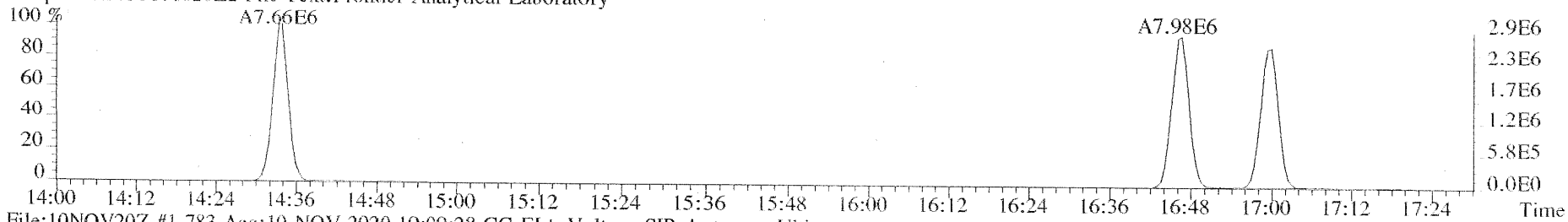
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



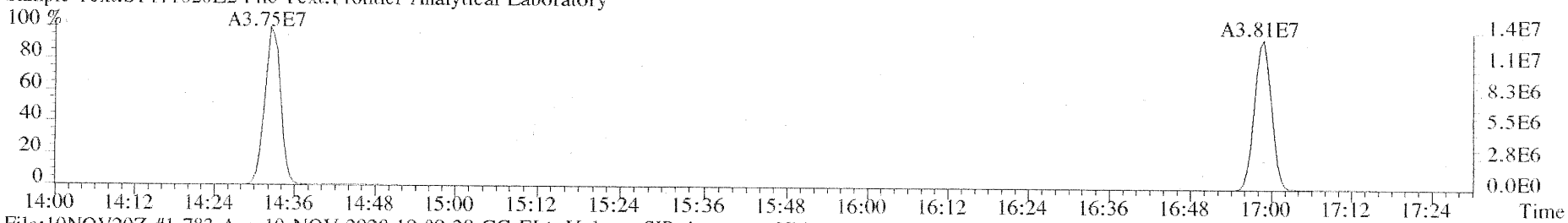
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



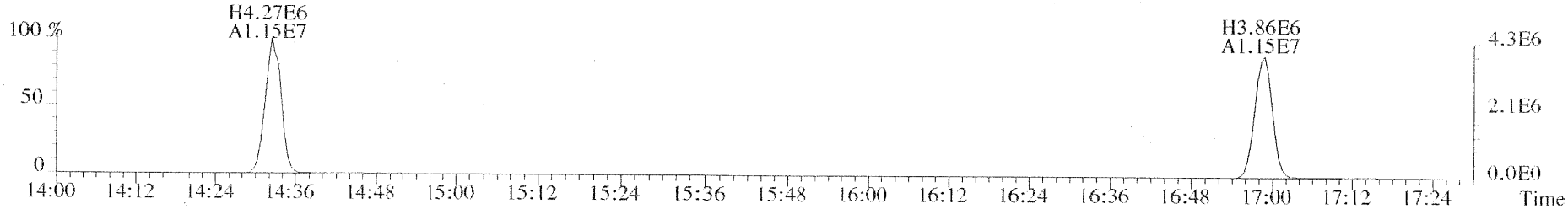
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



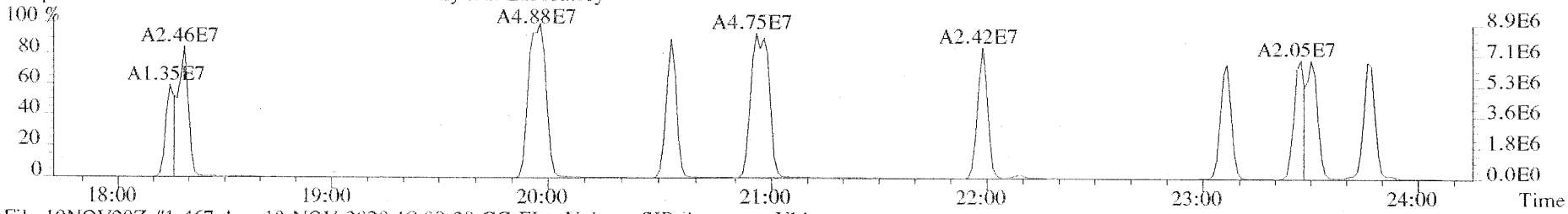
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



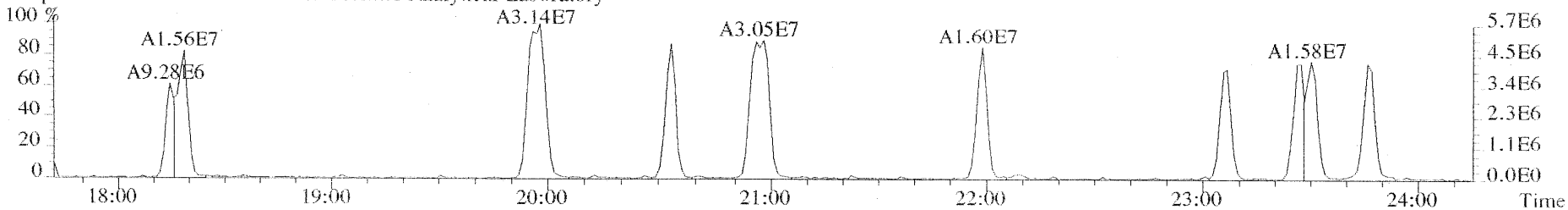
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



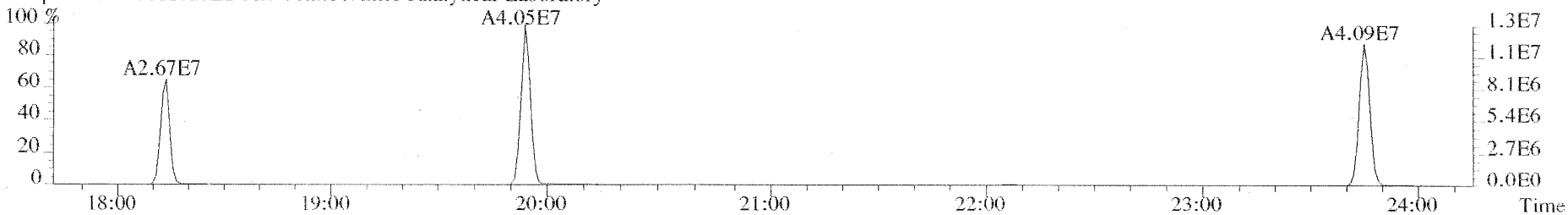
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



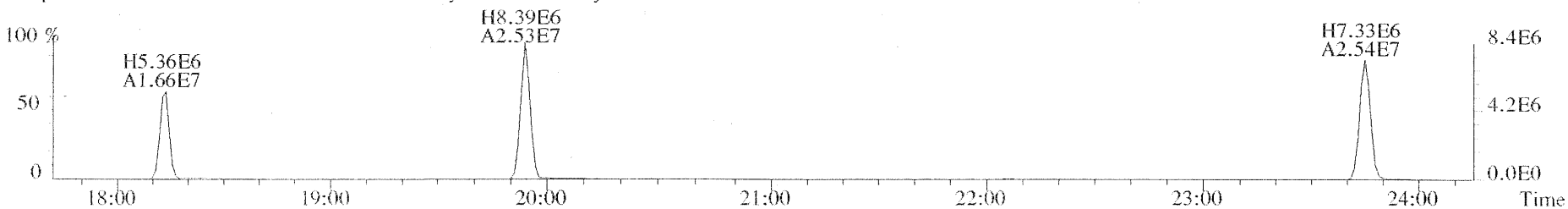
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



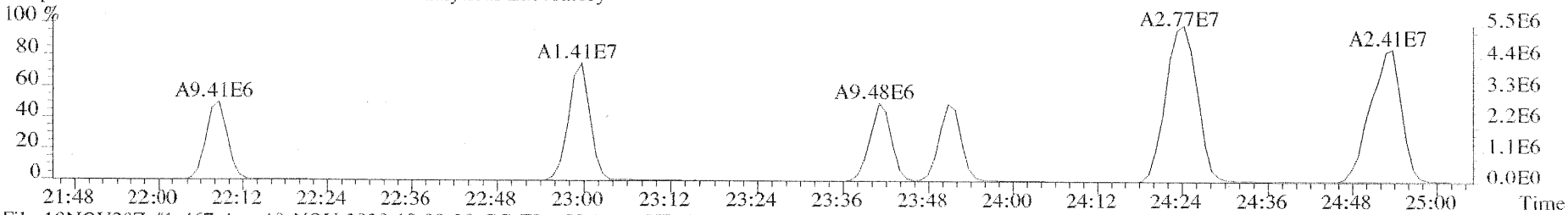
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



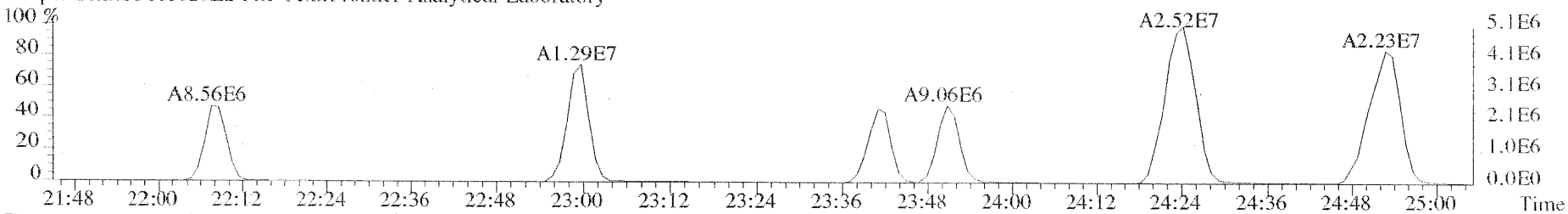
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



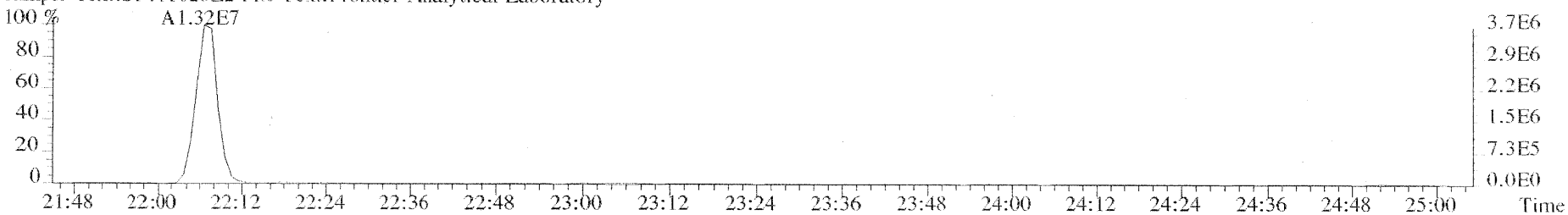
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



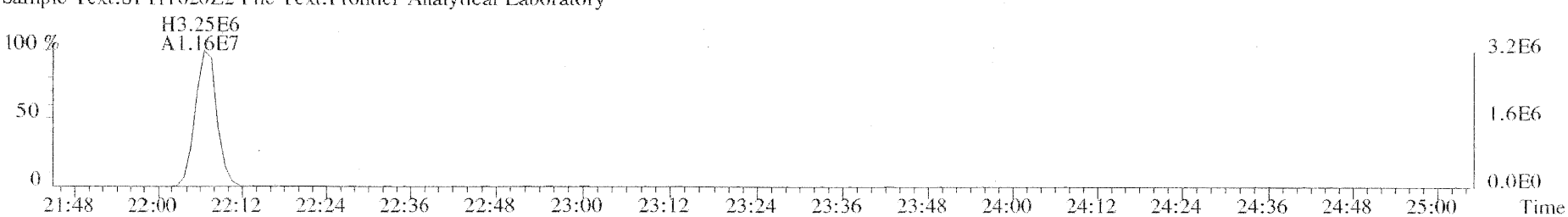
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



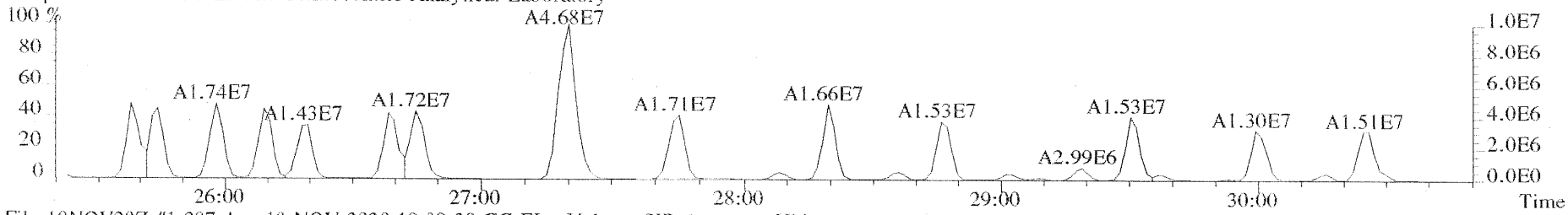
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



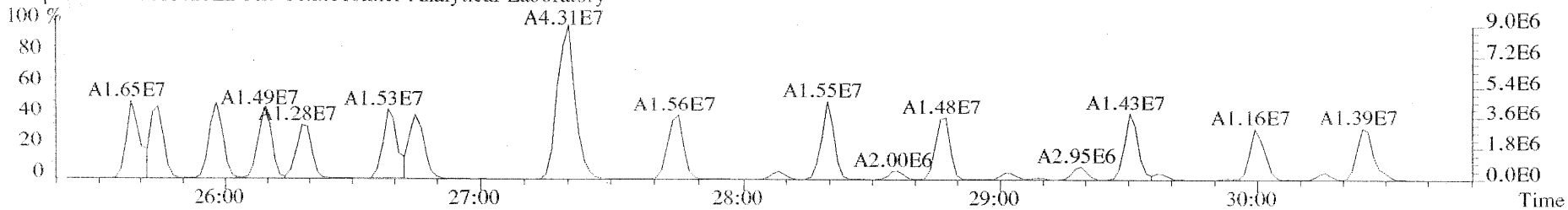
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



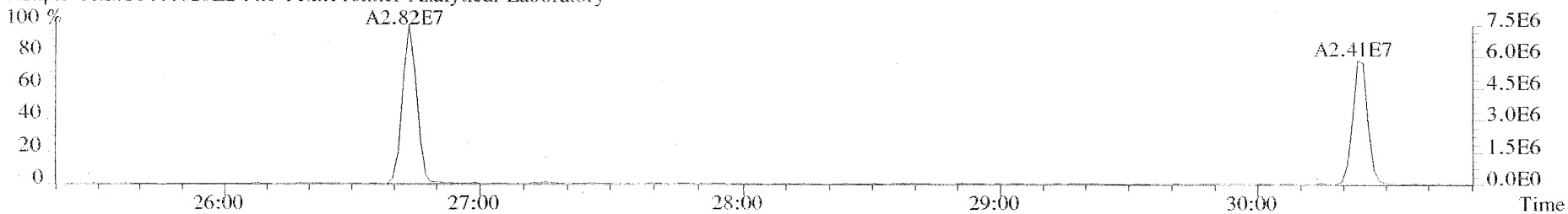
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



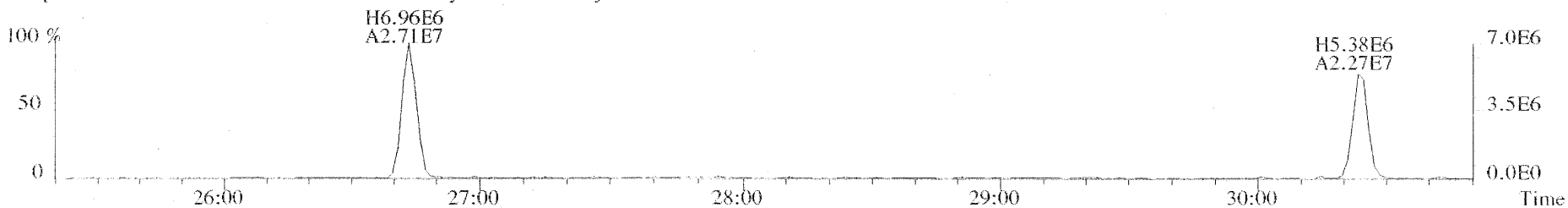
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



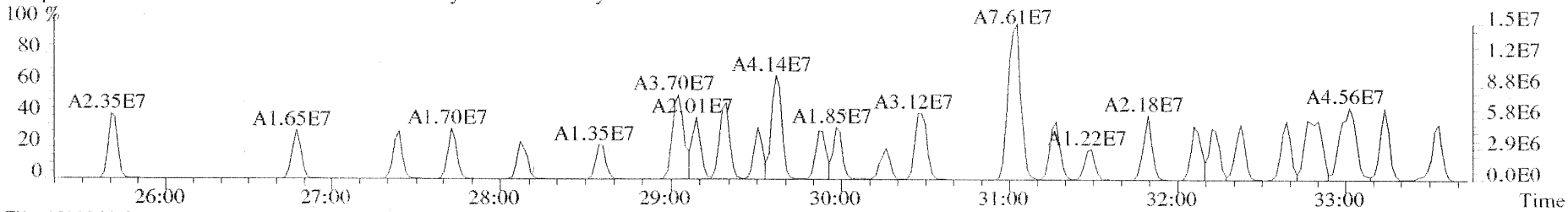
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



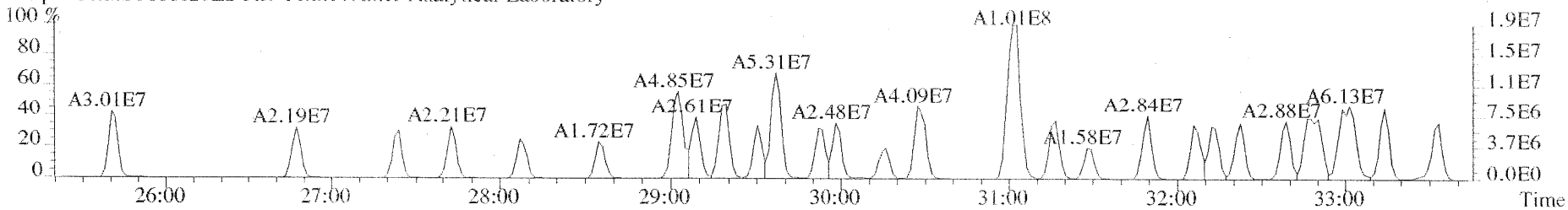
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



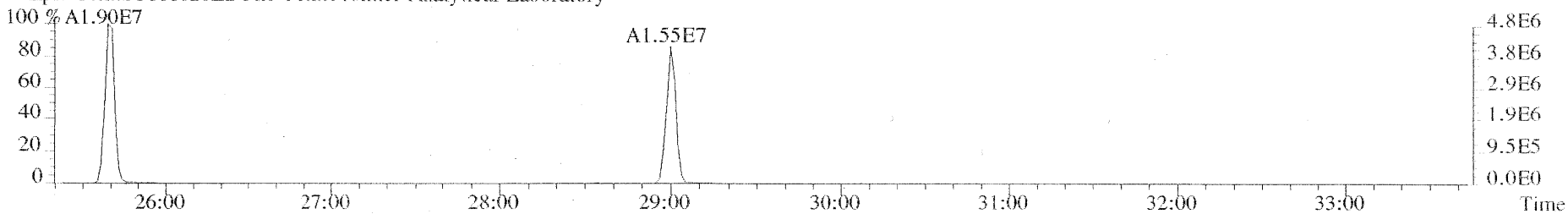
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



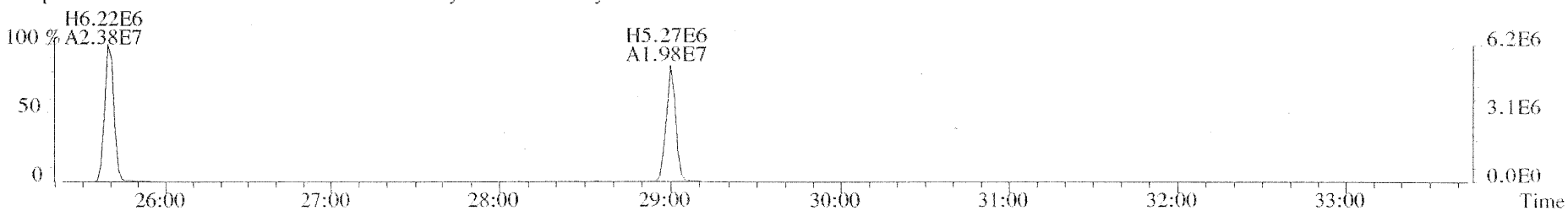
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



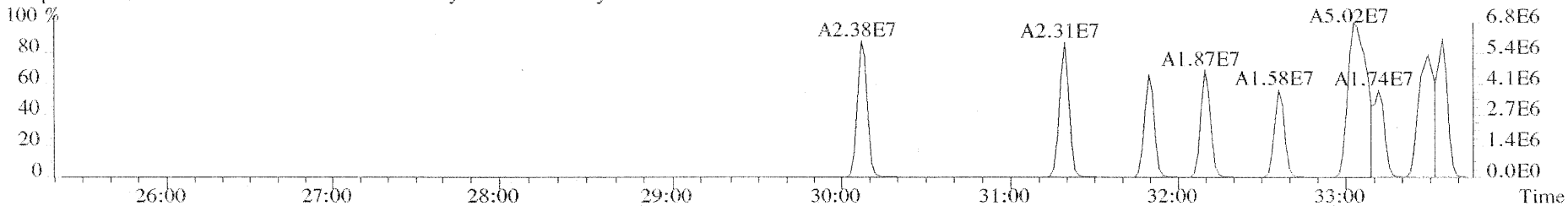
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



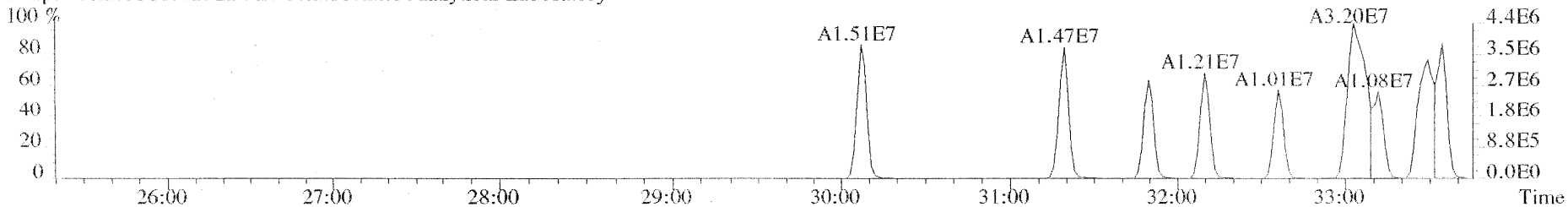
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



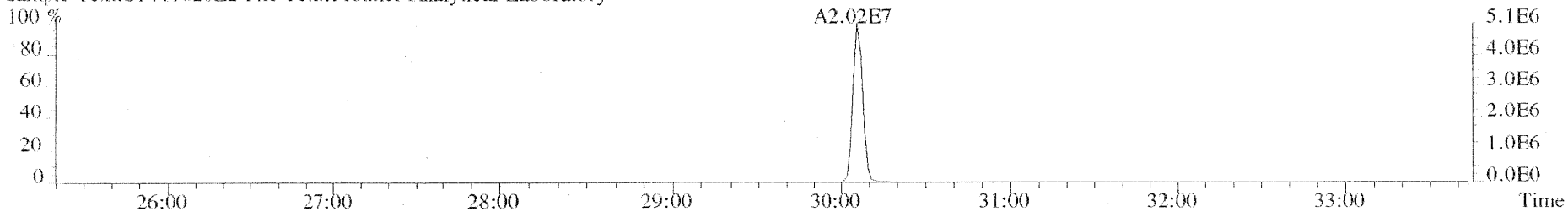
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



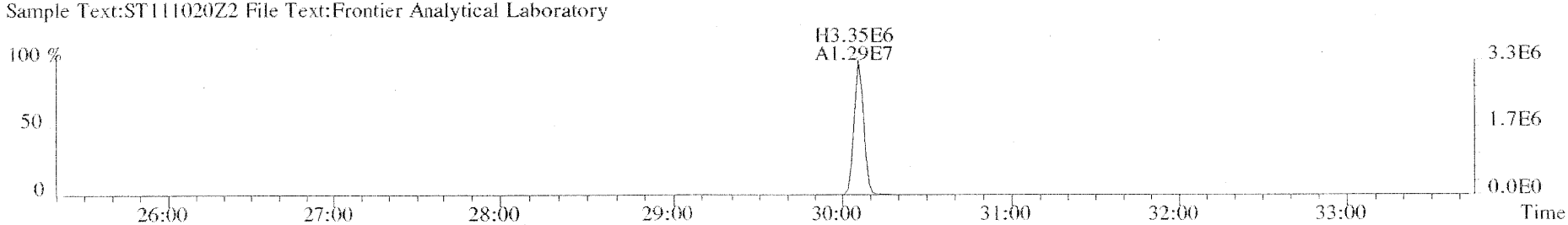
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



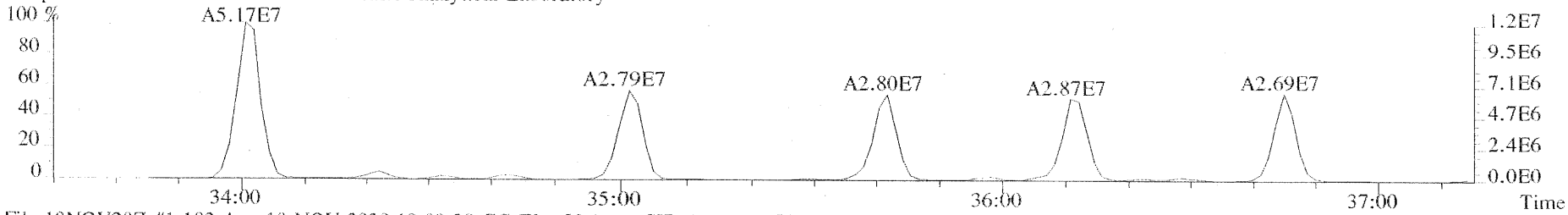
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



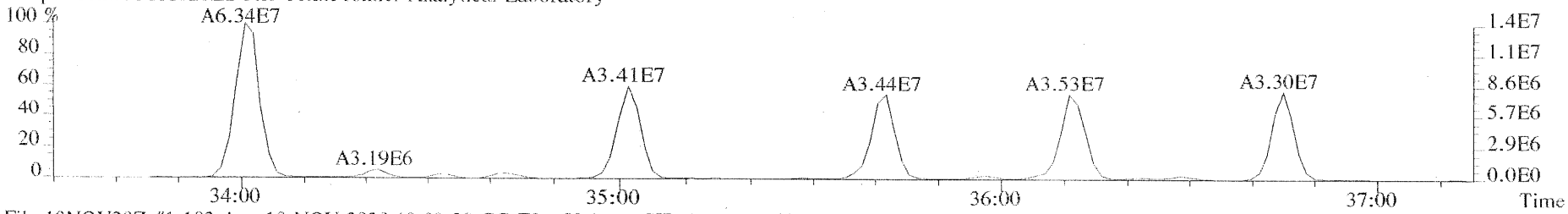
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



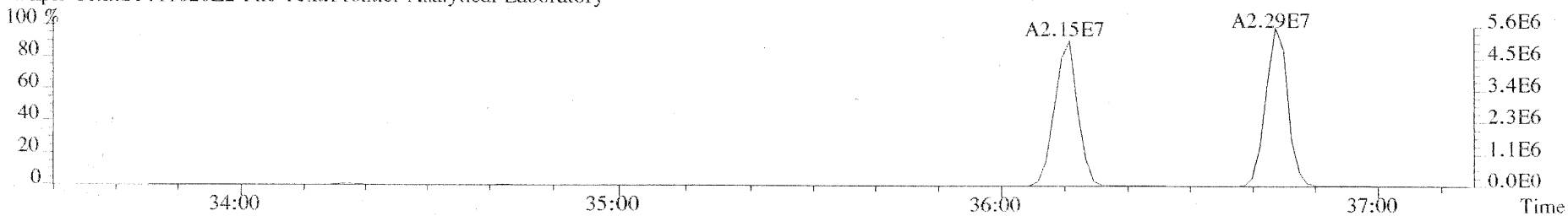
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



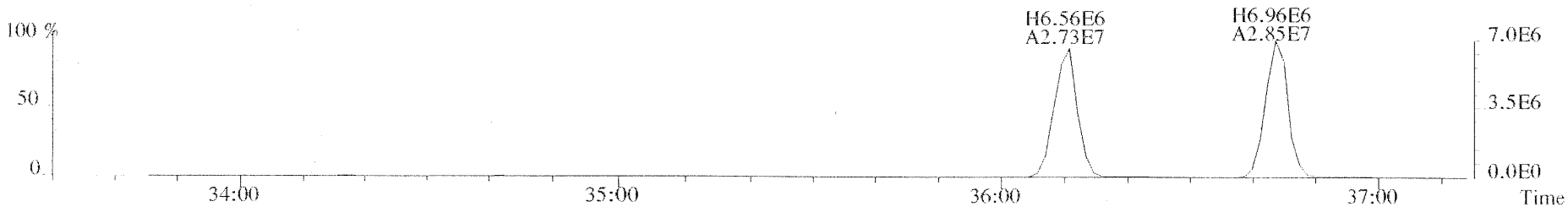
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



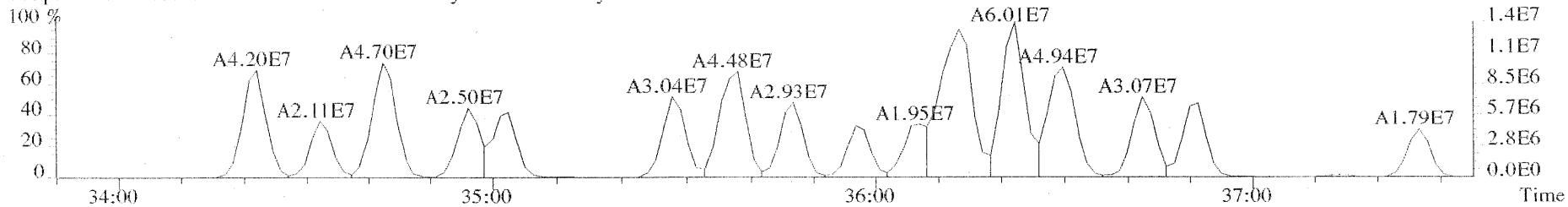
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



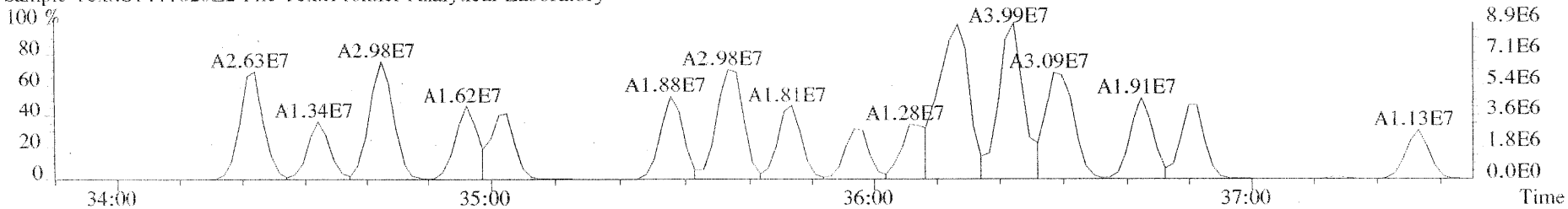
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



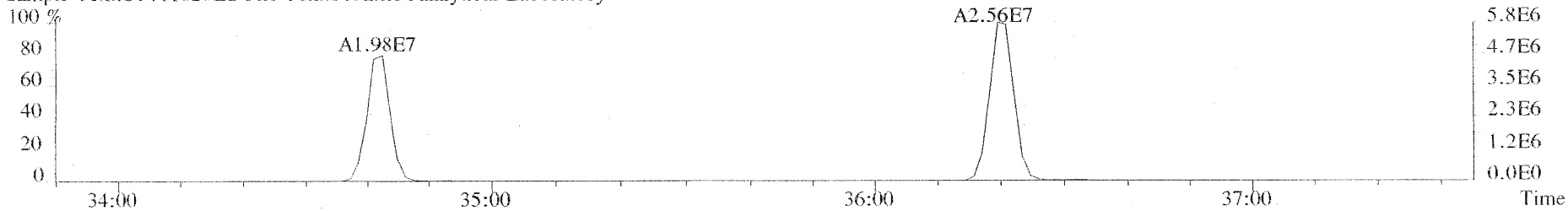
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



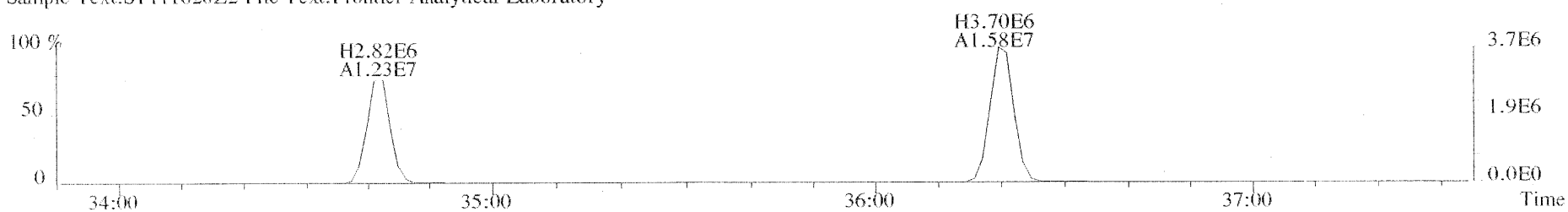
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



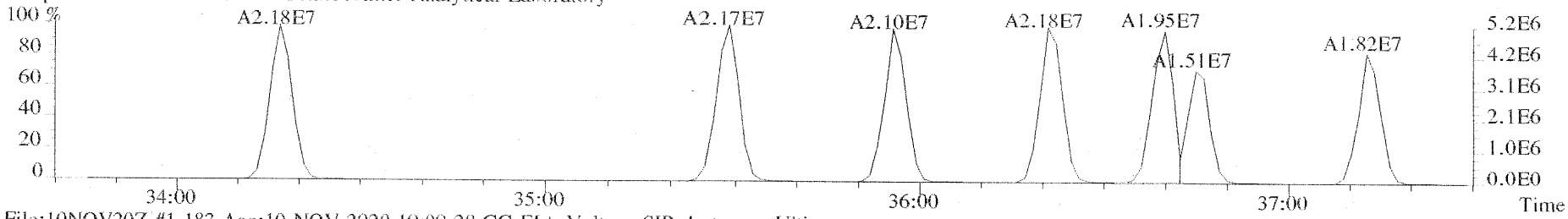
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



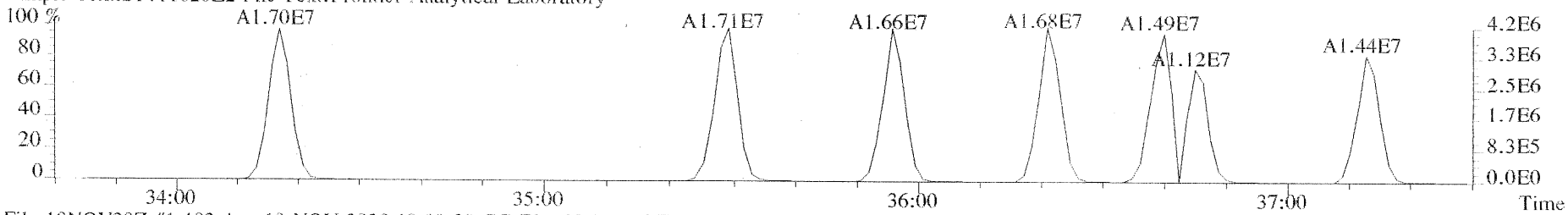
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



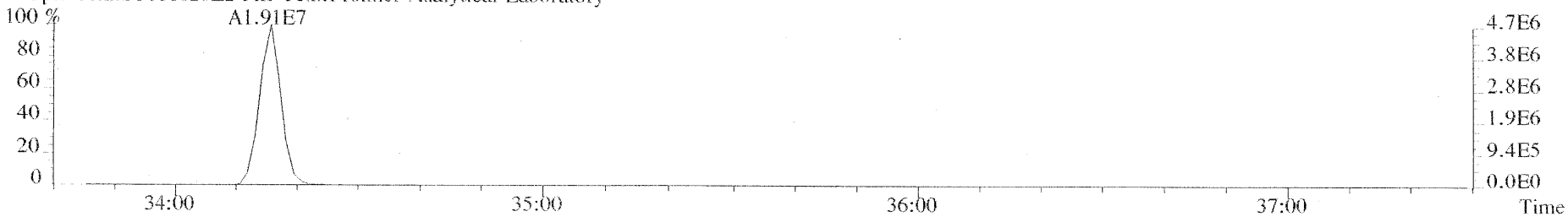
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



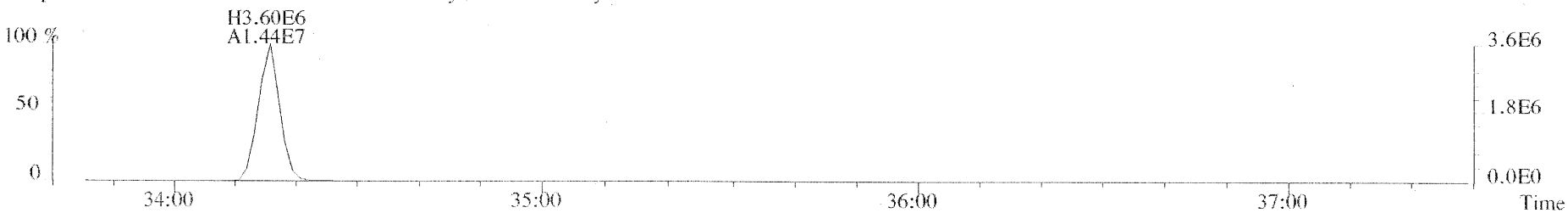
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



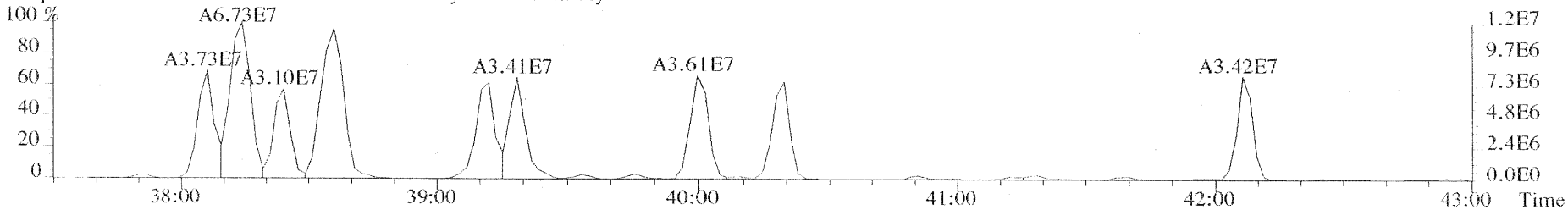
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



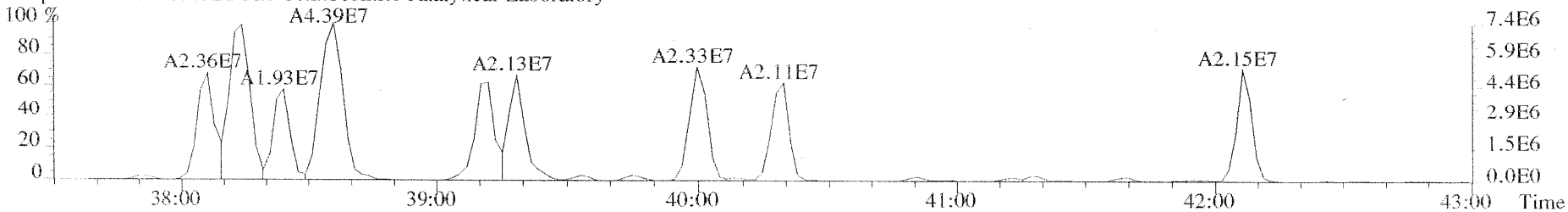
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



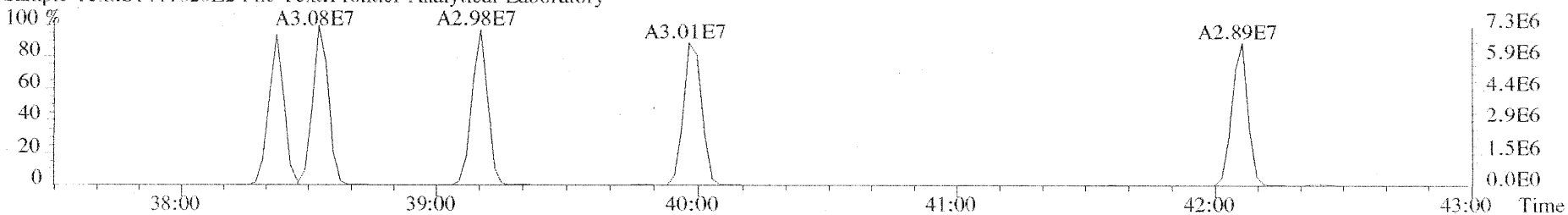
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



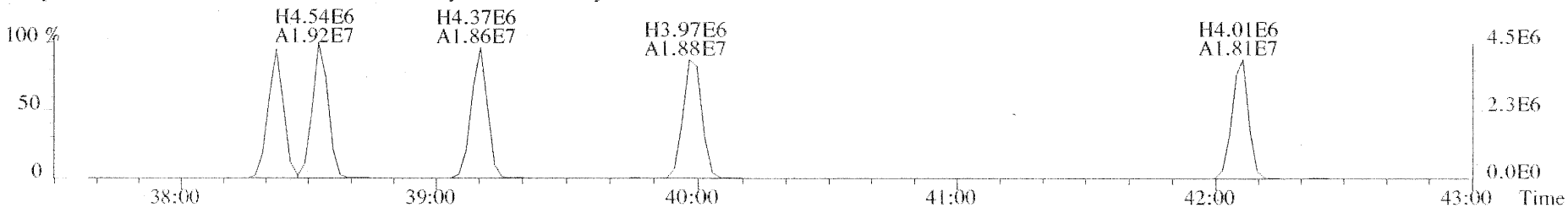
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



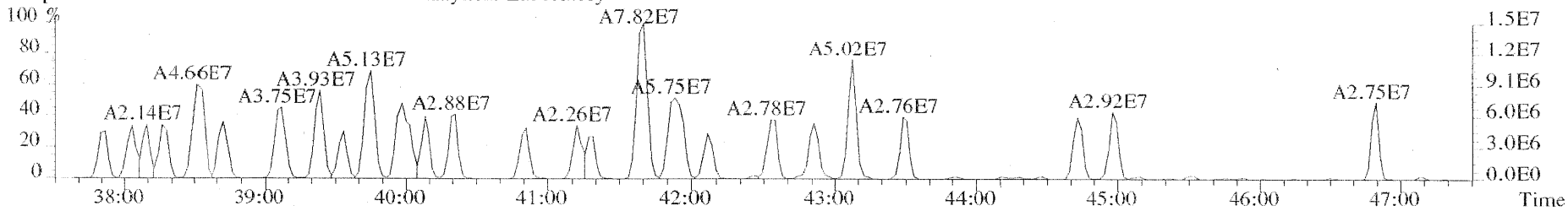
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



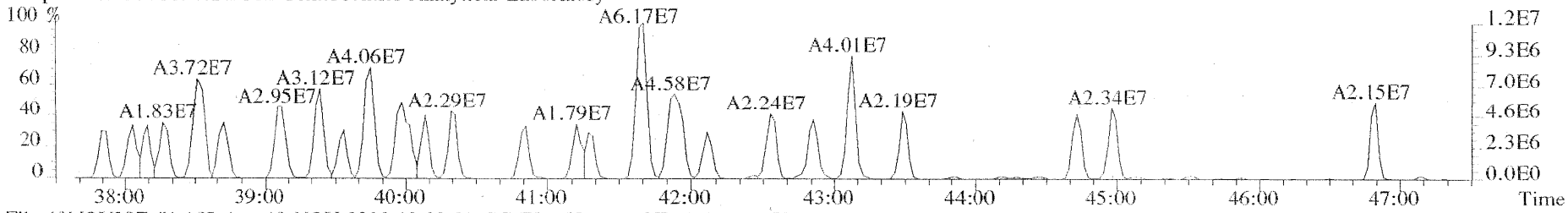
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



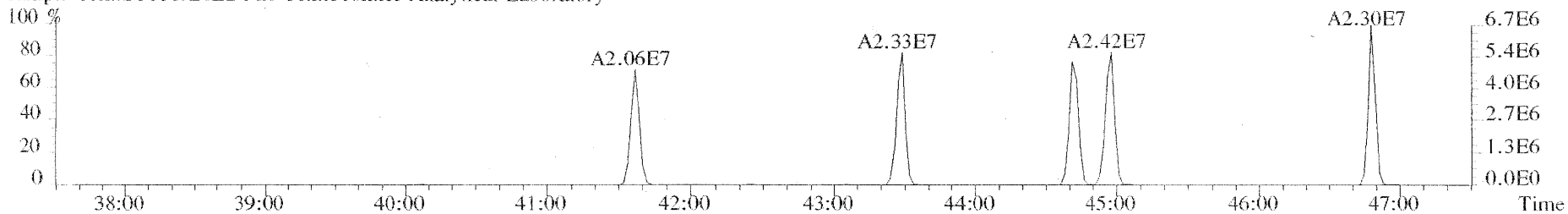
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



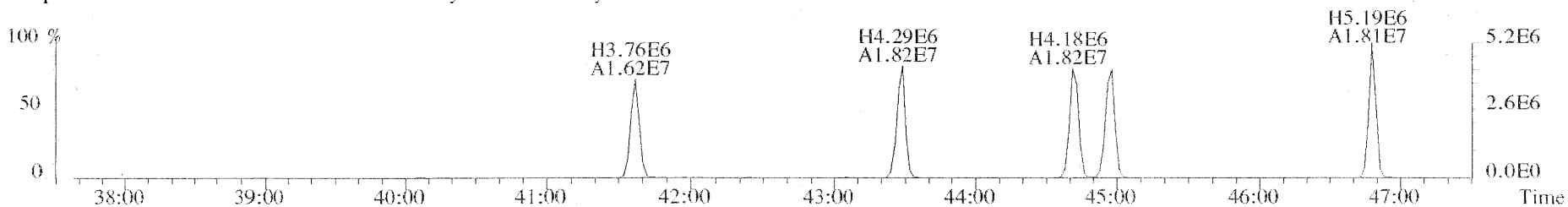
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



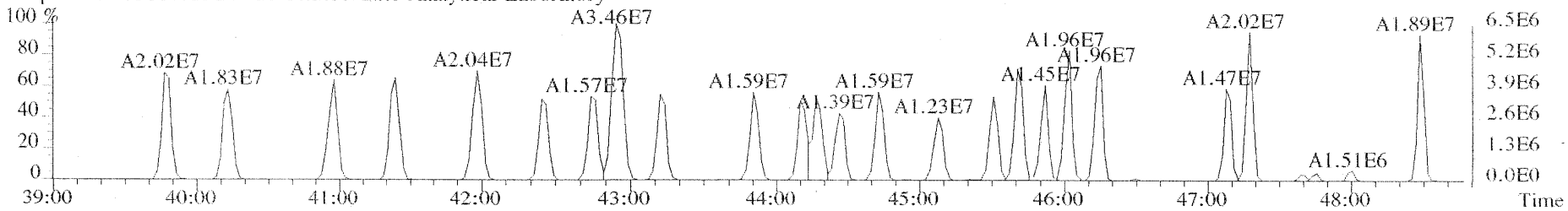
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



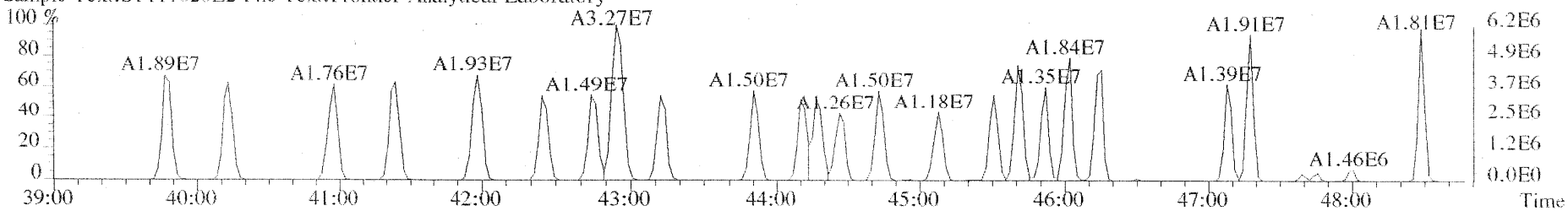
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



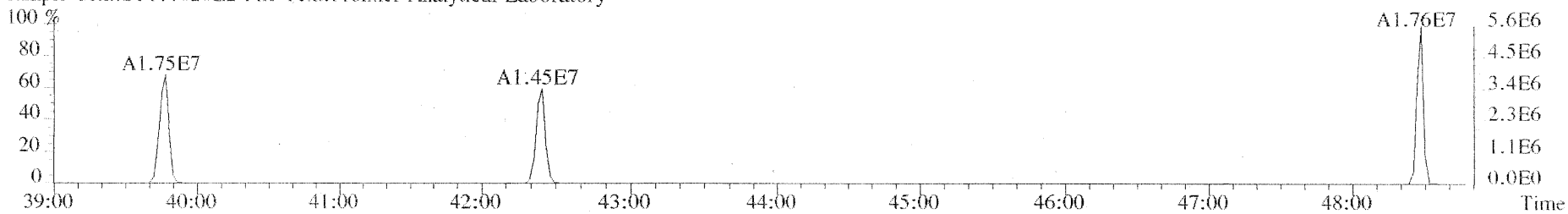
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



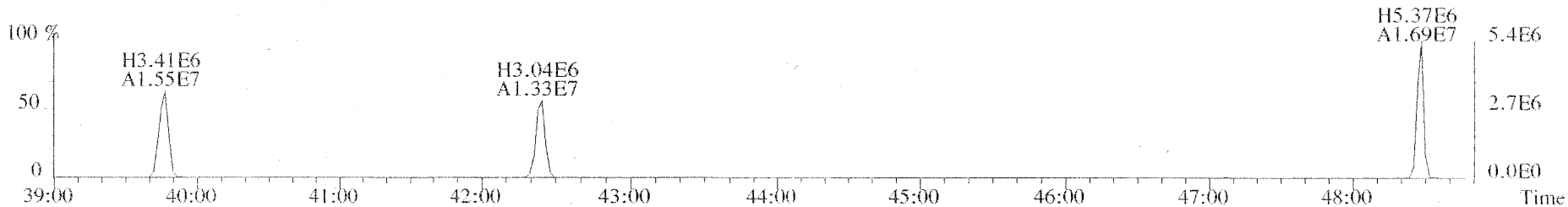
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



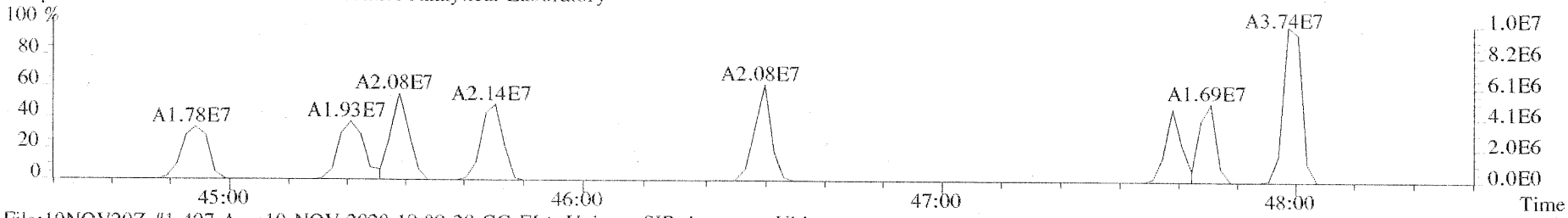
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



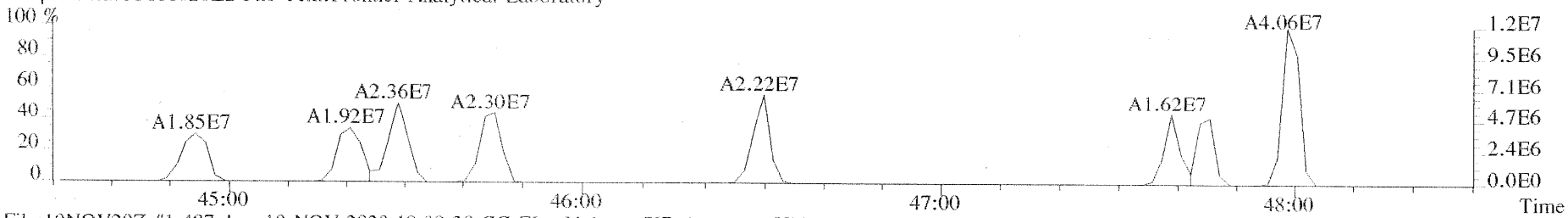
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



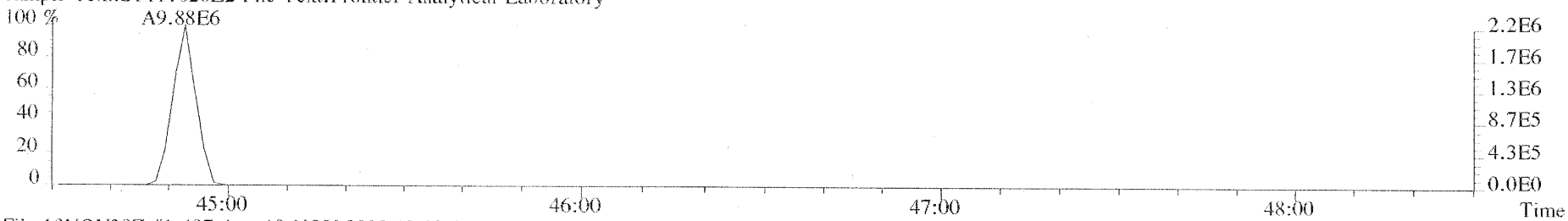
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



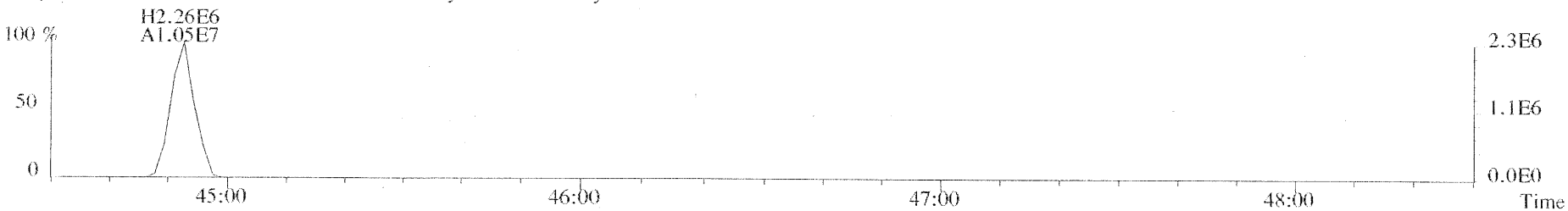
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



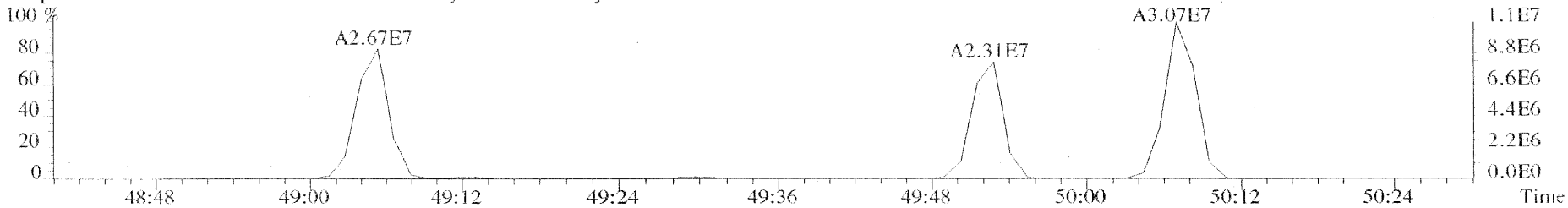
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



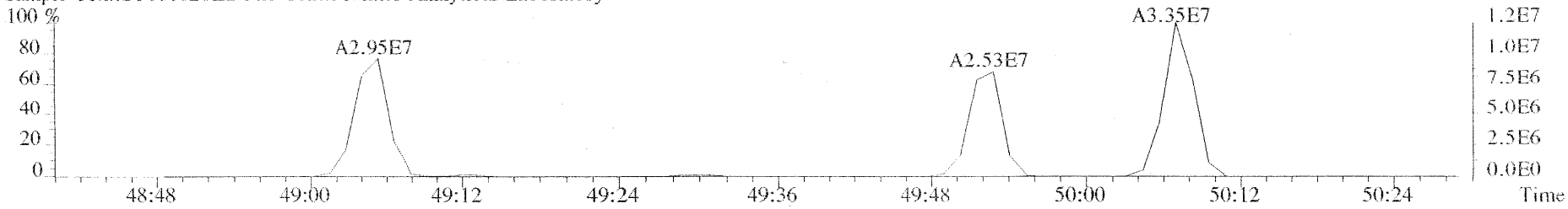
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



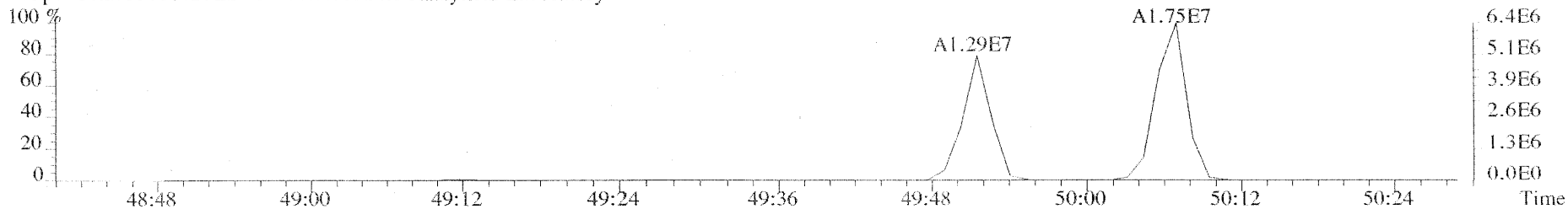
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



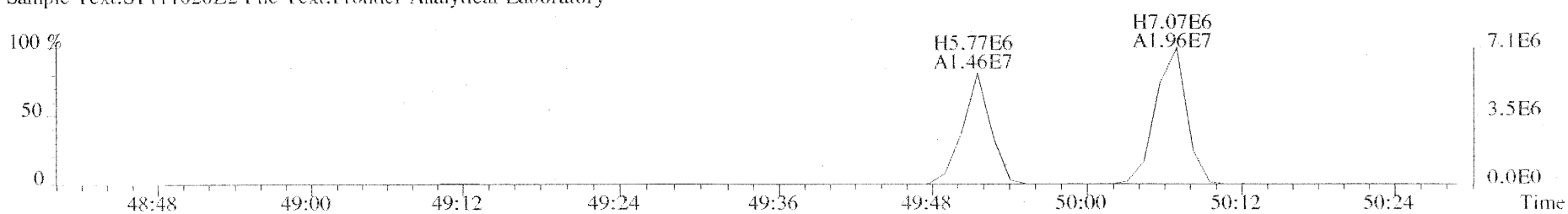
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



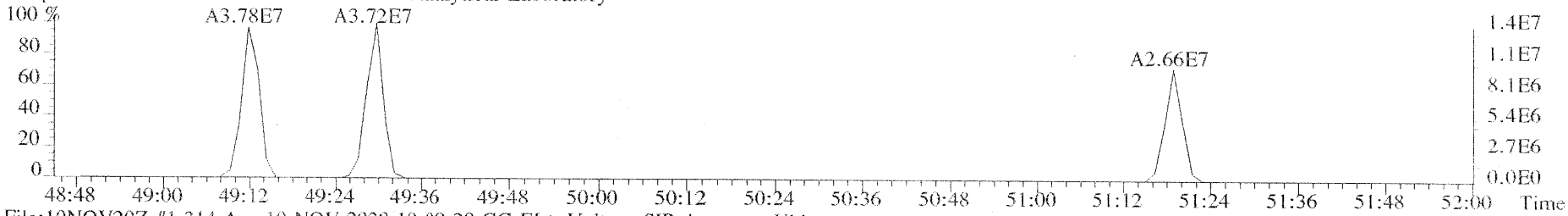
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



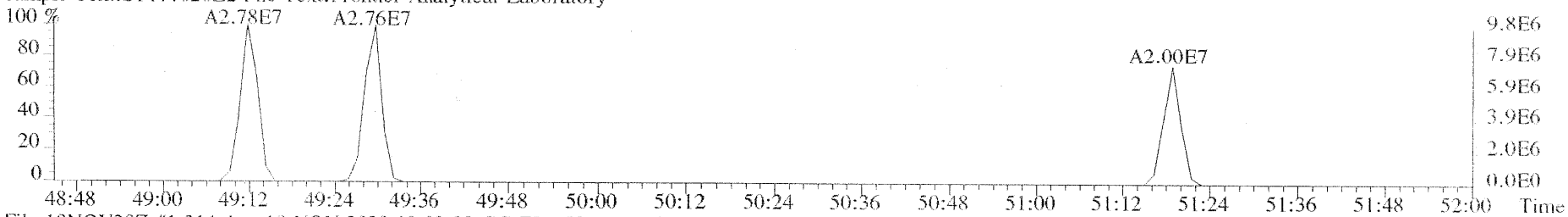
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



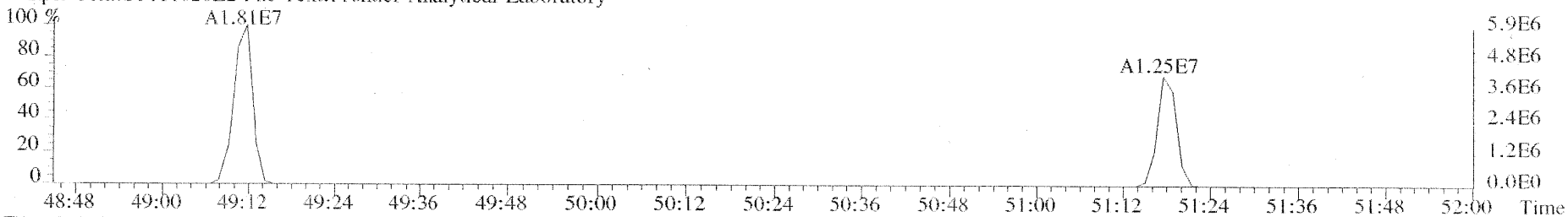
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



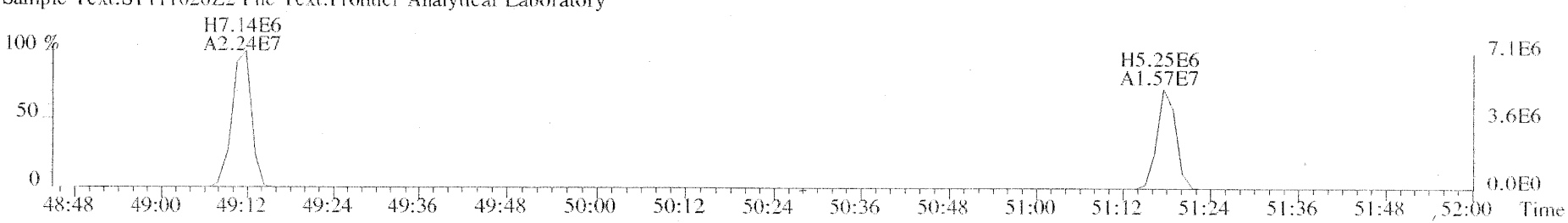
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



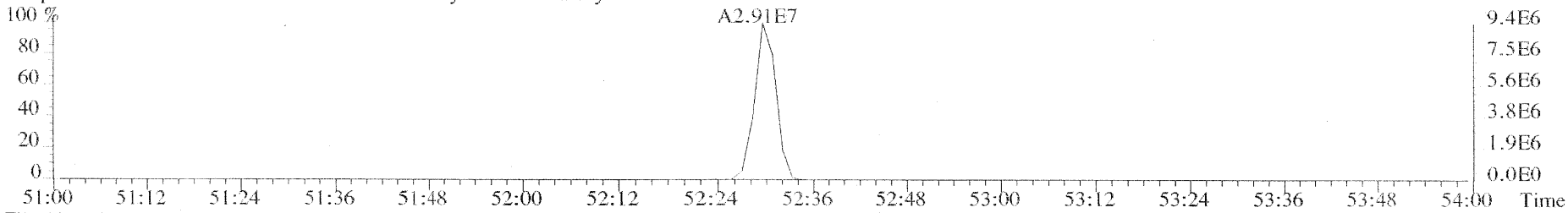
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



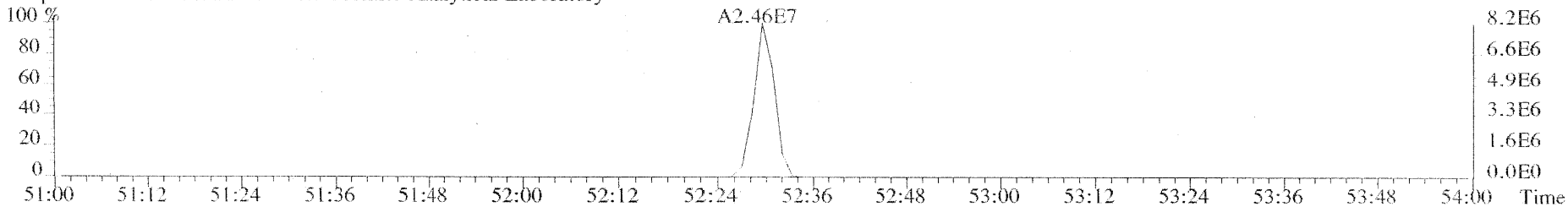
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



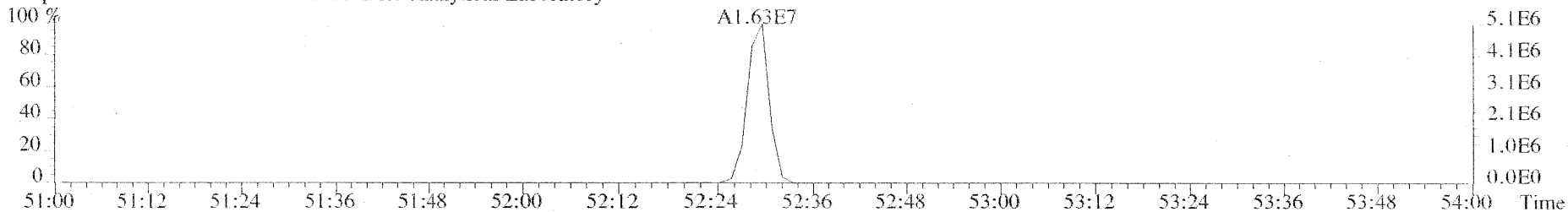
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



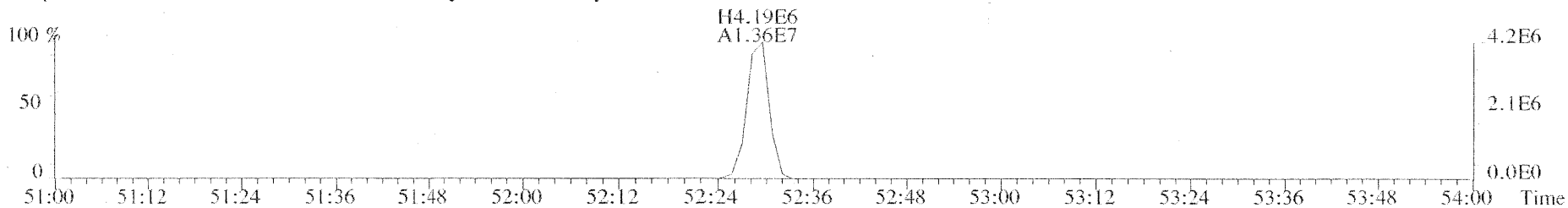
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



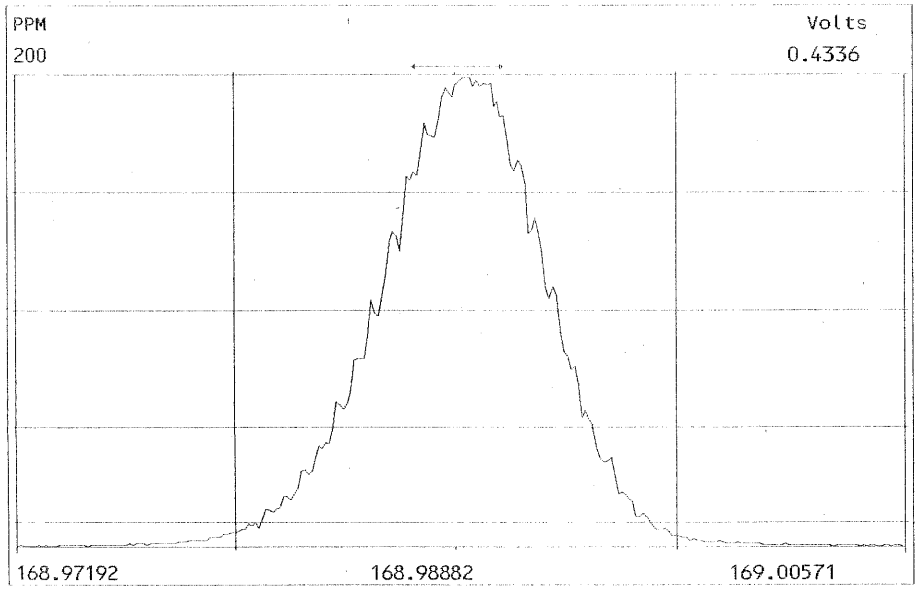
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

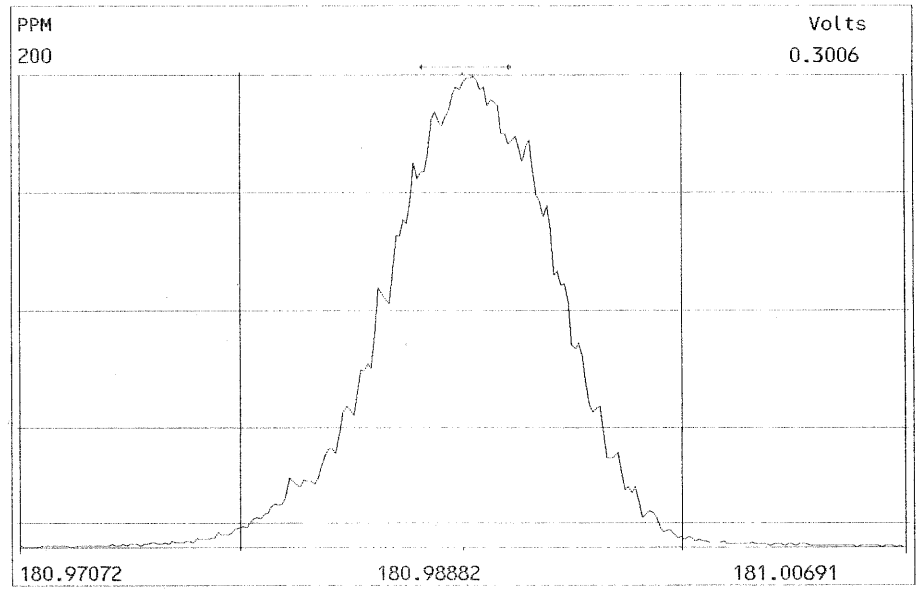


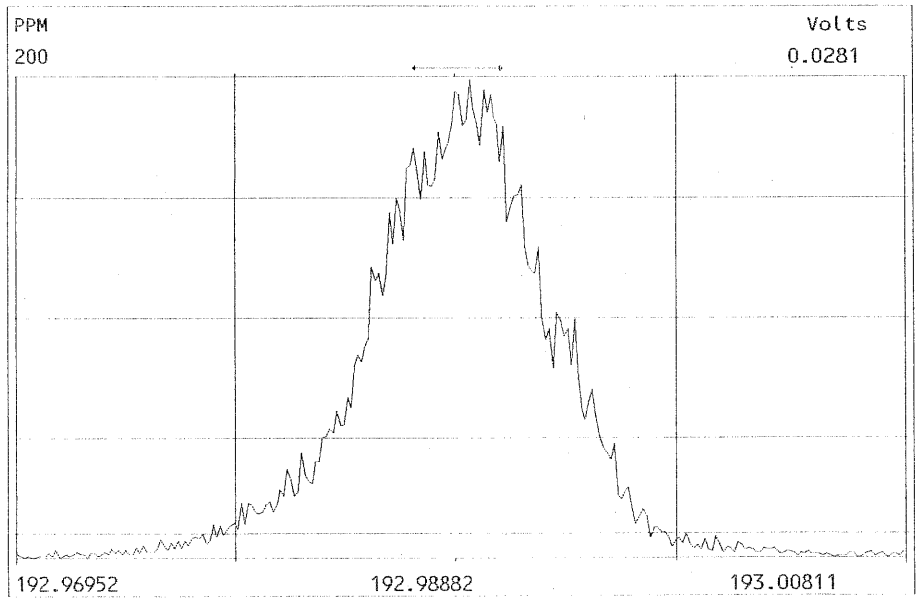
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

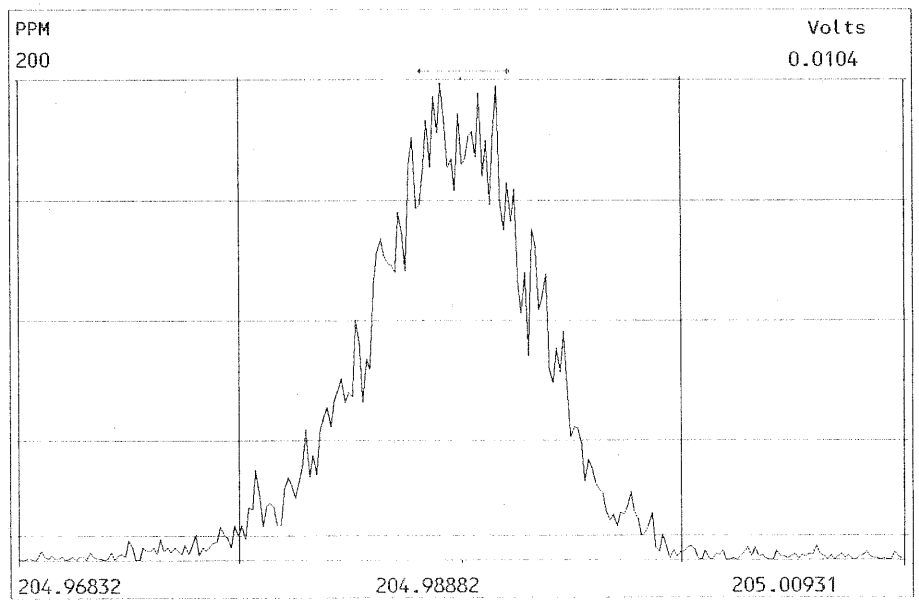


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

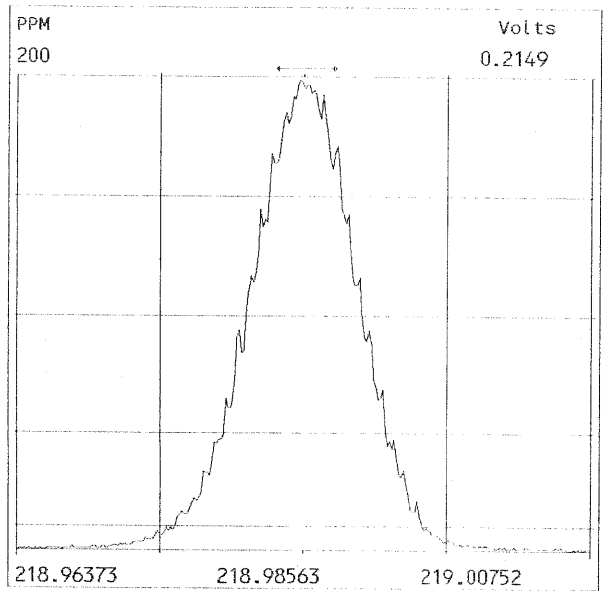


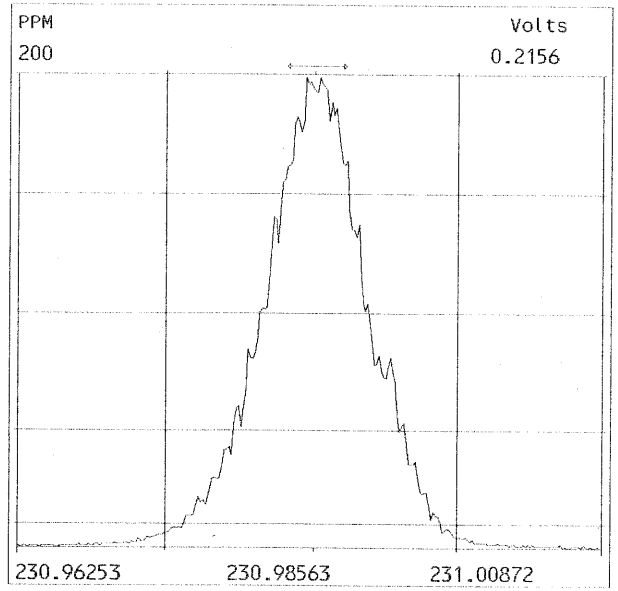


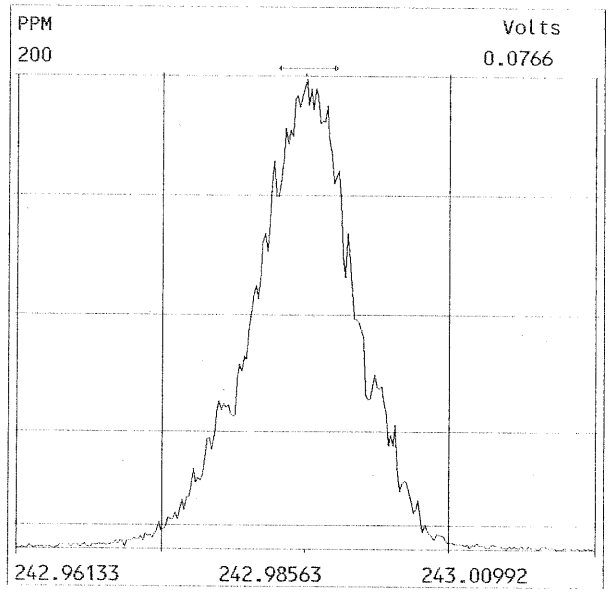


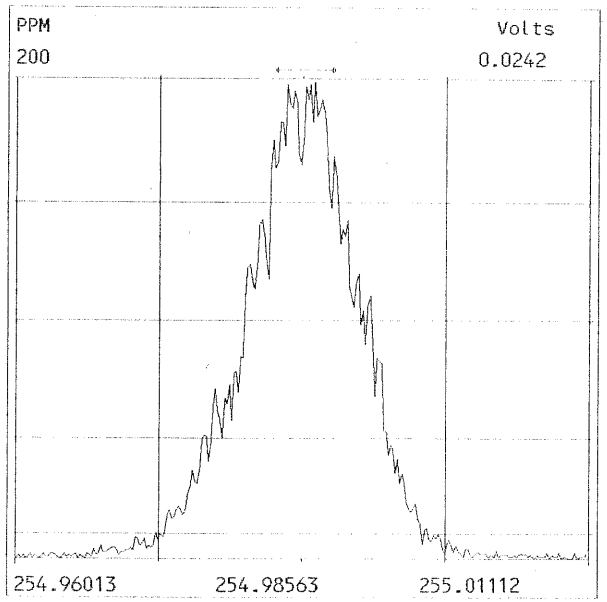


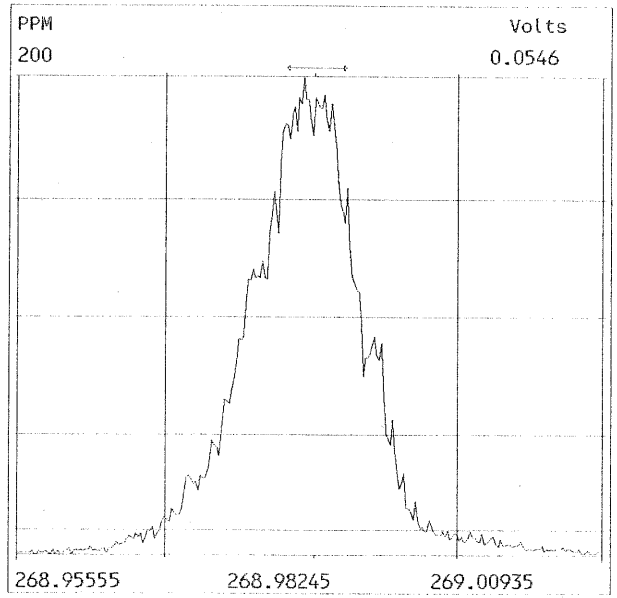
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

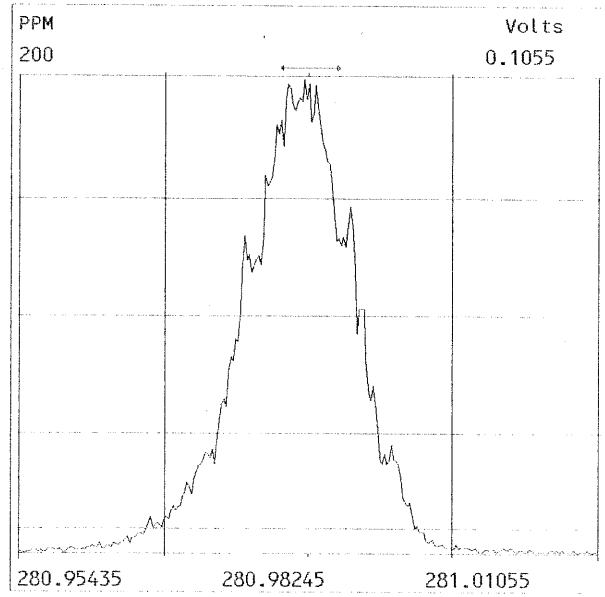






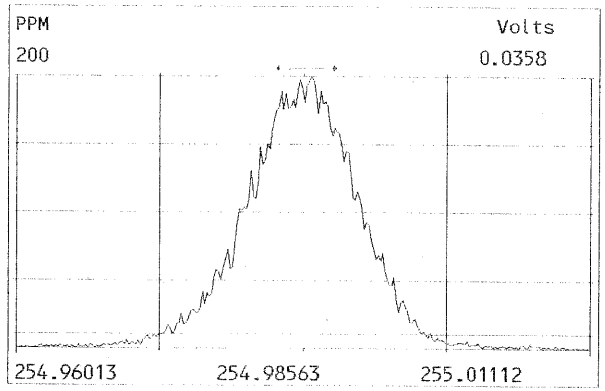


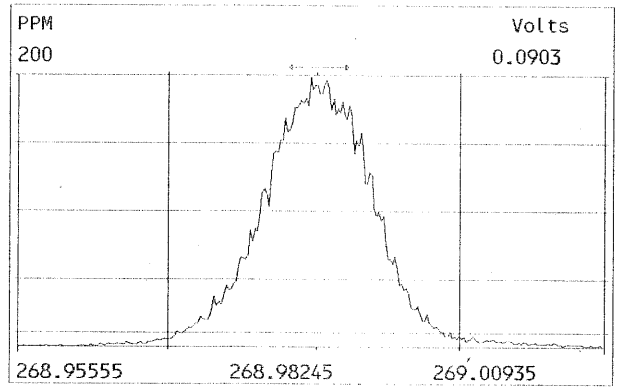


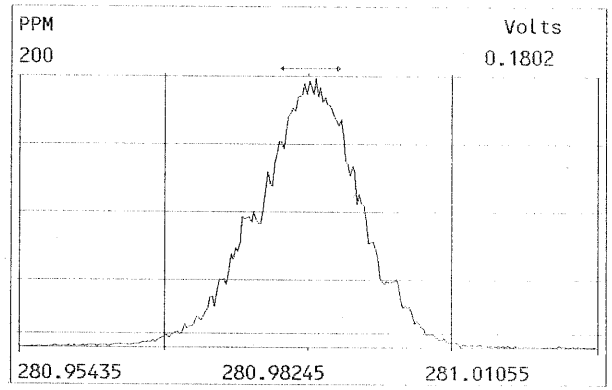


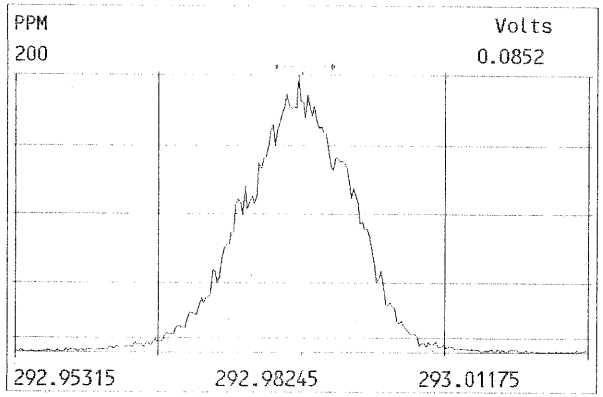
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK

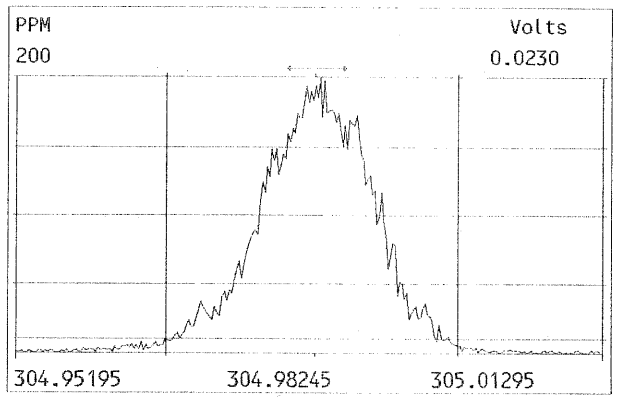
Experiment:1668PCB Function:3 Reference:PFK

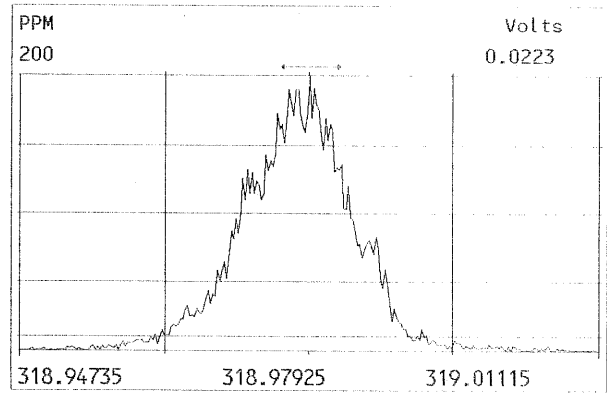


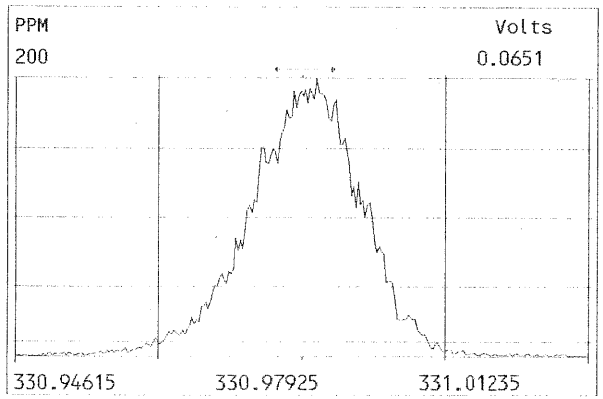


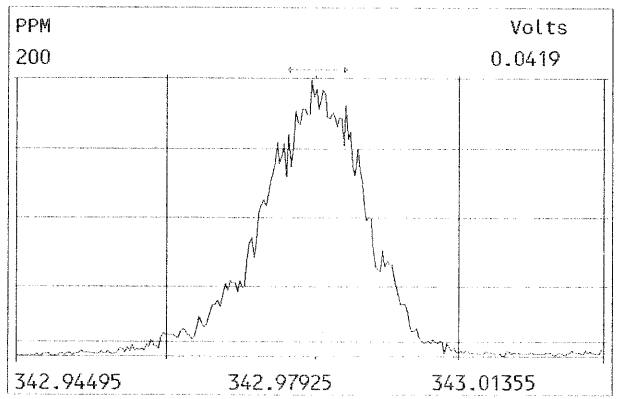




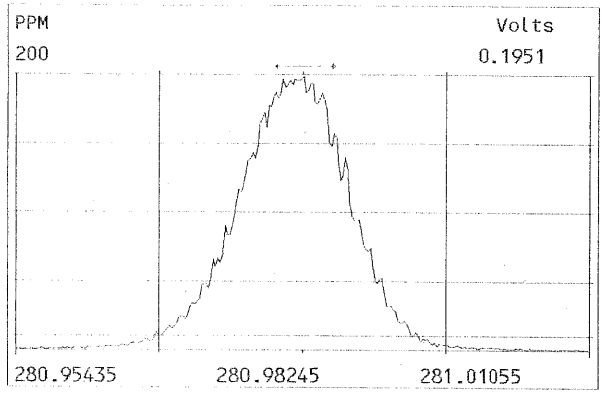


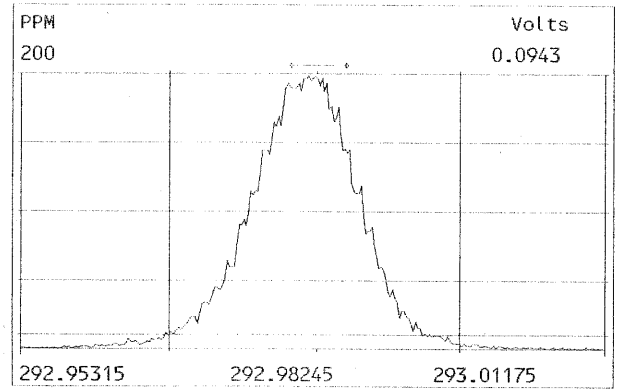


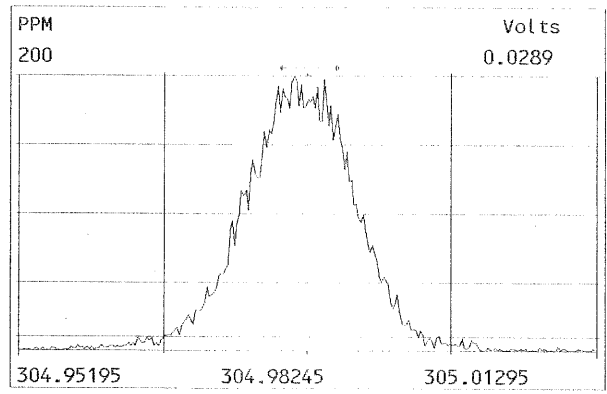


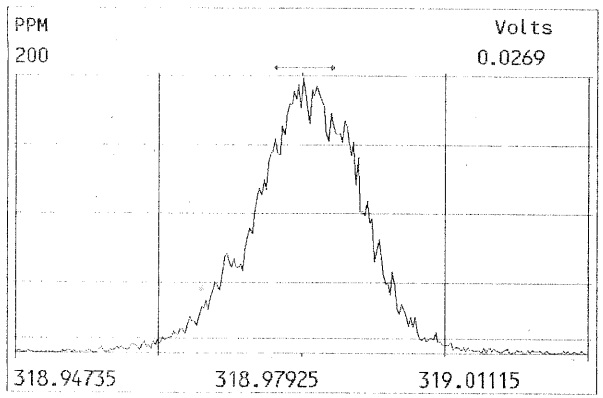


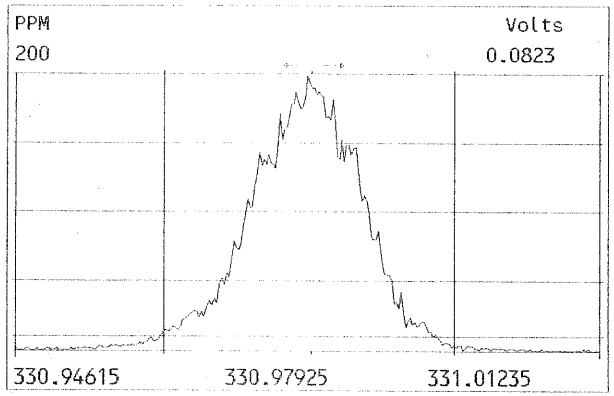
Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

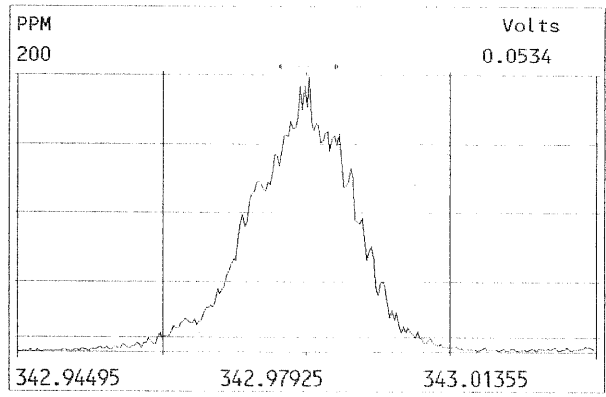


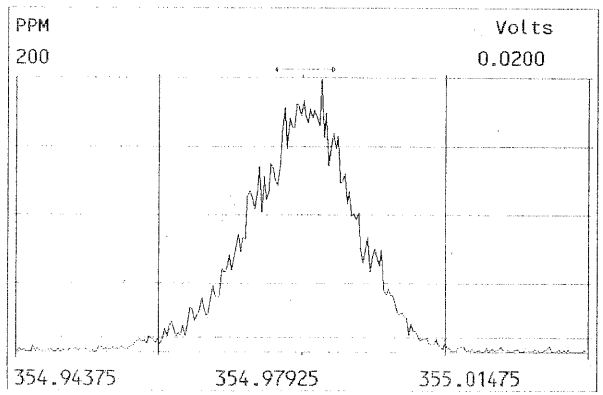


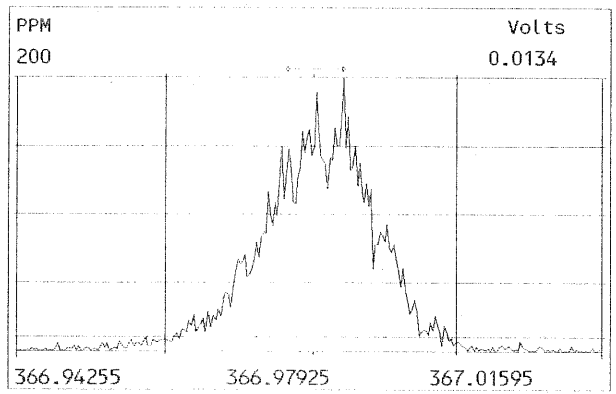


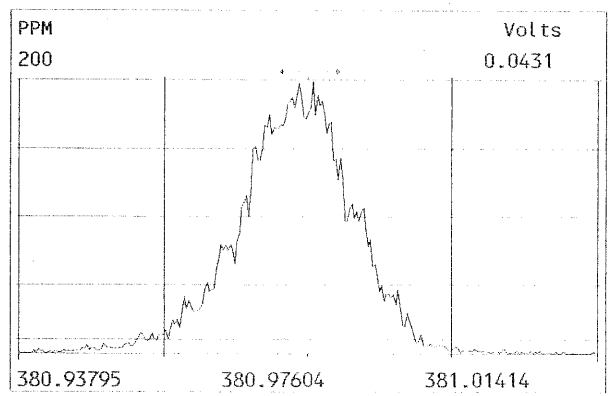






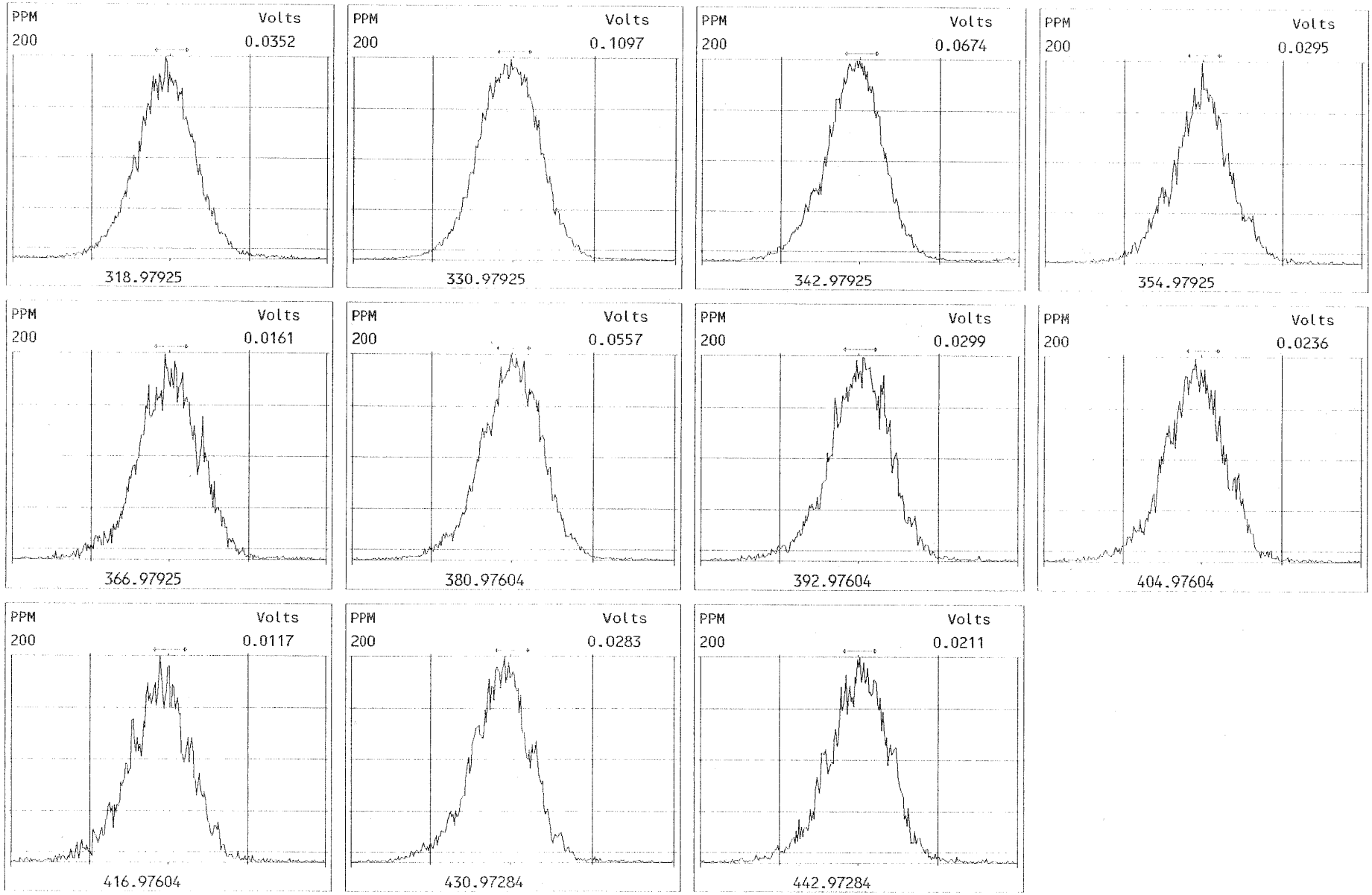




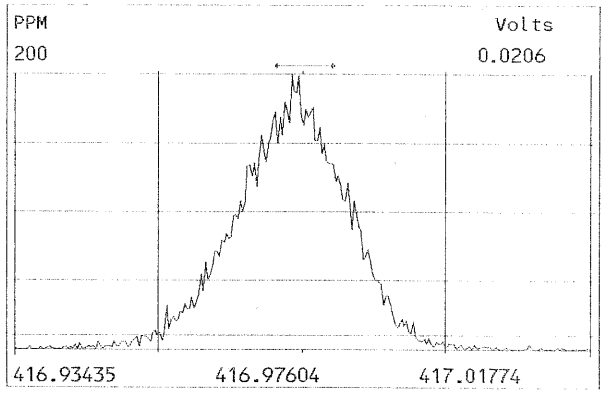


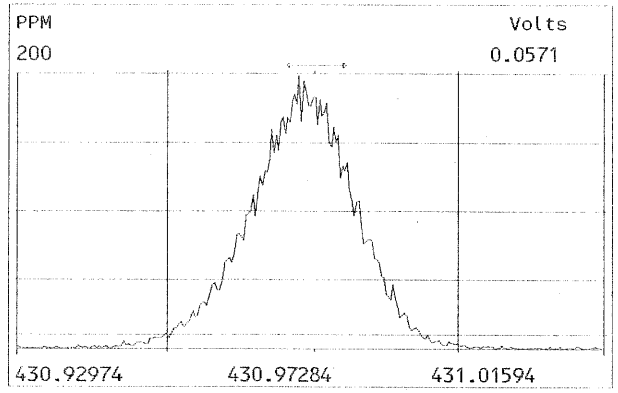
Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK

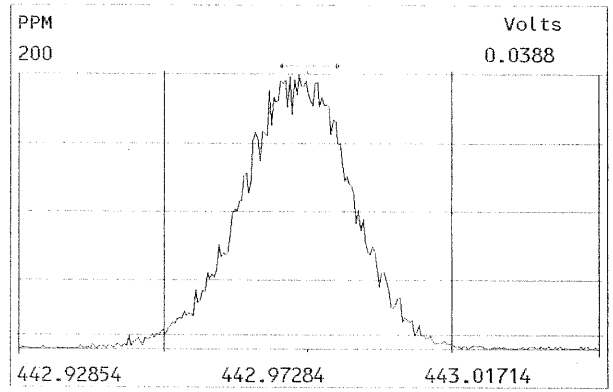
Experiment:1668PCB Function:5 Reference:PFK

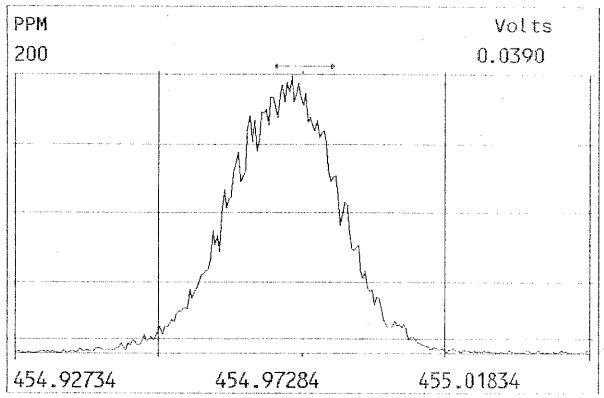


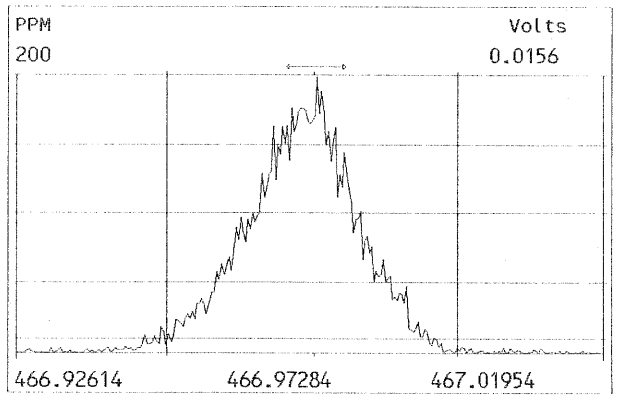
Peak Locate Examination:10-NOV-2020:20:48 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

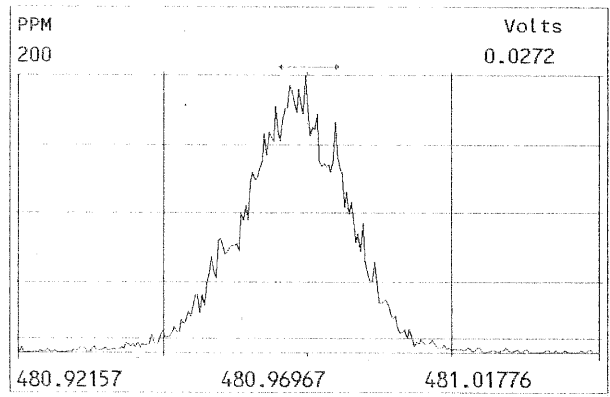


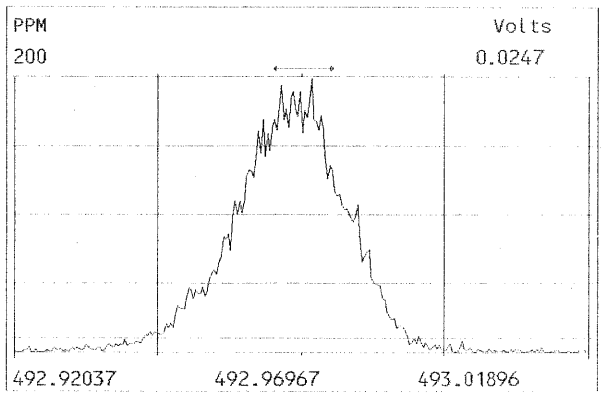


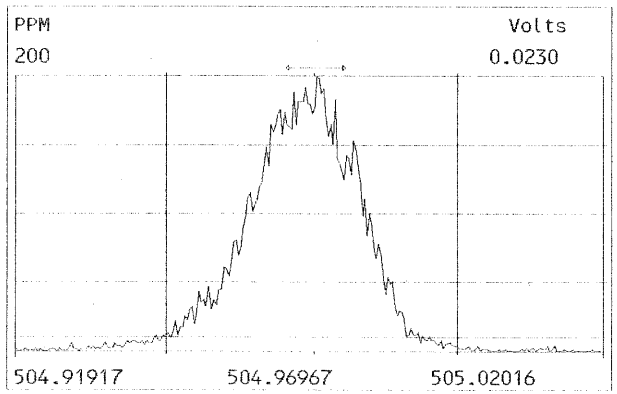


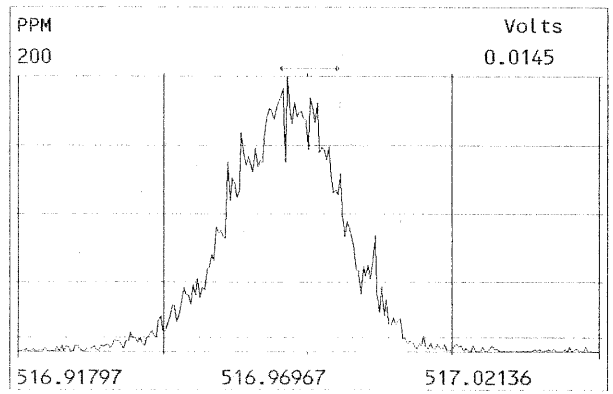












Cal: DAILY209FAL4-11-11-20

Run: 11NOV20Z Analyte: DAILY209FAL4-11-11-20 Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:11NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2965	-	1.30	
13C-PCB-1	0.8318	-	0.83	
PCB-2	1.3008	-	1.30	
PCB-3	1.2660	-	1.27	
13C-PCB-3	0.8053	-	0.81	
PCB-4	1.0859	-	1.09	
PCB-10	1.4624	-	1.46	
13C-PCB-4	0.6556	-	0.66	
PCB-9	1.4094	-	1.41	
PCB-7	1.4277	-	1.43	
PCB-6	1.3880	-	1.39	
PCB-8	1.4161	-	1.42	
PCB-5	1.3444	-	1.34	
PCB-14	1.4098	-	1.41	
PCB-11	1.3294	-	1.33	
PCB-13	1.3837	-	1.38	
PCB-12	1.3668	-	1.37	
PCB-15	1.2239	-	1.22	
13C-PCB-15	1.0088	-	1.01	
PCB-19	1.2878	-	1.29	
PCB-30	1.9269	-	1.93	
PCB-18	1.3429	-	1.34	
PCB-17	1.4308	-	1.43	
PCB-27	1.8880	-	1.89	
PCB-24	1.8923	-	1.89	
PCB-16	1.6056	-	1.61	
PCB-32	1.6186	-	1.62	
13C-PCB-19	0.4322	-	0.43	
13C-PCB-9	-	-	-	
PCB-34	1.0869	-	1.09	
PCB-23	1.2842	-	1.28	
PCB-29	1.2270	-	1.23	
PCB-26	1.1908	-	1.19	
PCB-25	1.1397	-	1.14	
PCB-31	1.2258	-	1.23	
PCB-28	1.3240	-	1.32	
PCB-20	1.1439	-	1.14	Co-elute PCB 21/33
PCB-21	1.1439	-	1.14	Co-elute PCB 20/33
PCB-33	1.1439	-	1.14	Co-elute PCB 20/21
PCB-22	1.2433	-	1.24	
PCB-36	1.2038	-	1.20	
PCB-39	1.2373	-	1.24	
PCB-38	1.1816	-	1.18	
PCB-35	1.1939	-	1.19	
PCB-37	1.2216	-	1.22	
13C-PCB-37	1.7196	-	1.72	

PCB-54	1.3162	-	1.32	
PCB-50	1.1035	-	1.10	
PCB-53	1.0805	-	1.08	
PCB-51	1.1388	-	1.14	
PCB-45	0.9609	-	0.96	
PCB-46	0.9174	-	0.92	
PCB-52	1.1906	-	1.19	Co-elute PCB 69
PCB-69	1.1906	-	1.19	Co-elute PCB 52
PCB-73	1.3857	-	1.39	
PCB-43	1.0740	-	1.07	Co-elute PCB 49
PCB-49	1.0740	-	1.07	Co-elute PCB 43
PCB-47	1.0864	-	1.09	
PCB-48	1.3928	-	1.39	Co-elute PCB 75
PCB-75	1.3928	-	1.39	Co-elute PCB 48
PCB-65	1.3846	-	1.38	
PCB-62	1.3874	-	1.39	
PCB-44	0.9306	-	0.93	
PCB-42	1.1927	-	1.19	Co-elute PCB 59
PCB-59	1.1927	-	1.19	Co-elute PCB 42
PCB-72	1.3399	-	1.34	Co-elute PCB 41/71/64
PCB-41	1.3399	-	1.34	Co-elute PCB 72/71/64
PCB-71	1.3399	-	1.34	Co-elute PCB 72/41/64
PCB-64	1.3399	-	1.34	Co-elute PCB 72/41/71
PCB-68	1.5184	-	1.52	
PCB-40	0.8472	-	0.85	
PCB-57	1.4272	-	1.43	
PCB-67	1.4380	-	1.44	
PCB-58	1.4733	-	1.47	
PCB-63	1.4910	-	1.49	
PCB-74	1.4336	-	1.43	
PCB-61	1.3444	-	1.34	Co-elute PCB 70
PCB-70	1.3444	-	1.34	Co-elute PCB 61
PCB-76	1.5201	-	1.52	Co-elute PCB 66
PCB-66	1.5201	-	1.52	Co-elute PCB 76
PCB-80	1.9168	-	1.92	
PCB-55	1.5903	-	1.59	
13C-PCB-54	1.0603	-	1.06	
PCB-104	1.1872	-	1.19	
PCB-96	1.1290	-	1.13	
PCB-103	0.9679	-	0.97	
PCB-100	0.9741	-	0.97	
PCB-94	0.8058	-	0.81	
PCB-98	0.8666	-	0.87	Co-elute PCB 102
PCB-102	0.8666	-	0.87	Co-elute PCB 98
PCB-95	0.9398	-	0.94	
PCB-93	0.9013	-	0.90	
PCB-88	0.9869	-	0.99	Co-elute PCB 91
PCB-91	0.9869	-	0.99	Co-elute PCB 88
PCB-121	1.1425	-	1.14	
13C-PCB-104	0.8928	-	0.89	
13C-PCB-28	1.8964	-	1.90	
13C-PCB-52	-	-	-	

PCB-56	1.2433	-	1.24	Co-elute PCB 60
PCB-60	1.2433	-	1.24	Co-elute PCB 56
PCB-79	1.2532	-	1.25	
PCB-78	1.2376	-	1.24	
PCB-81	1.2850	-	1.28	
13C-PCB-81	1.6316	-	1.63	
PCB-77	1.1370	-	1.14	
13C-PCB-77	1.6520	-	1.65	
PCB-155	1.1036	-	1.10	
PCB-150	1.0267	-	1.03	
PCB-152	1.0217	-	1.02	
PCB-145	1.0309	-	1.03	
PCB-136	0.9700	-	0.97	
PCB-148	0.8057	-	0.81	
PCB-154	0.8737	-	0.87	
13C-PCB-155	1.1238	-	1.12	
13C-PCB-111	1.2577	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.7311	-	0.73	Co-elute PCB 92
PCB-92	0.7311	-	0.73	Co-elute PCB 84
PCB-89	0.7279	-	0.73	
PCB-90	0.8105	-	0.81	Co-elute PCB 101
PCB-101	0.8105	-	0.81	Co-elute PCB 90
PCB-113	0.8834	-	0.88	
PCB-99	0.9065	-	0.91	
PCB-119	1.0426	-	1.04	
PCB-83	0.8040	-	0.80	Co-elute PCB 112
PCB-112	0.8040	-	0.80	Co-elute PCB 83
PCB-109	0.9753	-	0.98	
PCB-97	0.6863	-	0.69	
PCB-86	0.6658	-	0.67	
PCB-125	0.9301	-	0.93	Co-elute PCB 87/117
PCB-87	0.9301	-	0.93	Co-elute PCB 125/117
PCB-117	0.9301	-	0.93	Co-elute PCB 125/87
PCB-111	1.0128	-	1.01	Co-elute PCB 115
PCB-115	1.0128	-	1.01	Co-elute PCB 111
PCB-85	0.8563	-	0.86	Co-elute PCB 116
PCB-116	0.8563	-	0.86	Co-elute PCB 85
PCB-120	1.0679	-	1.07	
PCB-110	0.9518	-	0.95	
PCB-82	0.6037	-	0.60	
PCB-124	1.2600	-	1.26	
PCB-108	1.1918	-	1.19	Co-elute PCB 107
PCB-107	1.1918	-	1.19	Co-elute PCB 108
PCB-123	1.1218	-	1.12	
13C-PCB-123	1.3619	-	1.36	
PCB-118	1.1630	-	1.16	Co-elute PCB 106
PCB-106	1.1630	-	1.16	Co-elute PCB 118
13C-PCB-118	1.4311	-	1.43	
PCB-114	1.2722	-	1.27	
13C-PCB-114	1.3644	-	1.36	
PCB-122	1.1343	-	1.13	
PCB-105	1.2620	-	1.26	
13C-PCB-105	1.3479	-	1.35	
PCB-127	1.1434	-	1.14	
PCB-126	1.1941	-	1.19	
13C-PCB-126	1.3320	-	1.33	

PCB-151	0.9092	-	0.91	
PCB-135	0.9213	-	0.92	
PCB-144	0.9120	-	0.91	
PCB-147	0.9584	-	0.96	
PCB-139	0.9916	-	0.99	Co-elute PCB 149
PCB-149	0.9916	-	0.99	Co-elute PCB 139
PCB-140	0.9605	-	0.96	
PCB-143	0.8079	-	0.81	Co-elute PCB 134
PCB-134	0.8079	-	0.81	Co-elute PCB 143
PCB-131	0.8057	-	0.81	Co-elute PCB 133
PCB-133	0.8057	-	0.81	Co-elute PCB 131
PCB-142	0.8155	-	0.82	
PCB-165	1.0647	-	1.06	Co-elute PCB 146
PCB-146	1.0647	-	1.06	Co-elute PCB 165
PCB-161	1.0184	-	1.02	Co-elute PCB 132
PCB-132	1.0184	-	1.02	Co-elute PCB 161
PCB-153	1.0574	-	1.06	
PCB-168	1.1683	-	1.17	
PCB-141	0.9140	-	0.91	
PCB-137	0.9625	-	0.96	
PCB-130	0.7759	-	0.78	
PCB-138	1.1007	-	1.10	Co-elute PCB 163/164
PCB-163	1.1007	-	1.10	Co-elute PCB 138/164
PCB-164	1.1007	-	1.10	Co-elute PCB 138/163
PCB-158	1.2155	-	1.22	Co-elute PCB 160
PCB-160	1.2155	-	1.22	Co-elute PCB 158
PCB-129	0.7949	-	0.79	
PCB-166	1.1946	-	1.19	
PCB-159	1.3185	-	1.32	
PCB-128	1.0566	-	1.06	Co-elute PCB 162
PCB-162	1.0566	-	1.06	Co-elute PCB 128
PCB-167	1.1904	-	1.19	
13C-PCB-167	1.1701	-	1.17	
PCB-156	1.2825	-	1.28	
13C-PCB-156	1.1611	-	1.16	
PCB-157	1.2222	-	1.22	
13C-PCB-157	1.1817	-	1.18	
PCB-169	1.1397	-	1.14	
13C-PCB-169	1.1947	-	1.19	
PCB-188	1.1541	-	1.15	
13C-PCB-188	0.9554	-	0.96	

PCB-184	1.2610	-	1.26	
PCB-179	1.1884	-	1.19	
PCB-176	1.1550	-	1.16	
PCB-186	1.1843	-	1.18	
PCB-178	0.8617	-	0.86	
PCB-175	0.9237	-	0.92	
PCB-187	0.9927	-	0.99	Co-elute PCB 182
PCB-182	0.9927	-	0.99	Co-elute PCB 187
PCB-183	0.9592	-	0.96	
PCB-185	0.9125	-	0.91	
PCB-174	0.9377	-	0.94	
PCB-181	0.9243	-	0.92	
PCB-177	0.8605	-	0.86	
PCB-171	0.8928	-	0.89	
PCB-173	0.8214	-	0.82	
PCB-172	0.8659	-	0.87	
PCB-192	1.1075	-	1.11	
PCB-180	0.8613	-	0.86	
PCB-193	1.1642	-	1.16	
PCB-191	1.1416	-	1.14	
PCB-170	0.8549	-	0.85	
PCB-190	1.0989	-	1.10	
PCB-189	1.0803	-	1.08	
13C-PCB-189	0.9489	-	0.95	
PCB-202	1.0477	-	1.05	
PCB-201	1.1503	-	1.15	
PCB-204	1.1722	-	1.17	
PCB-197	1.1654	-	1.17	
PCB-200	1.1591	-	1.16	
PCB-198	0.8095	-	0.81	
PCB-199	0.8256	-	0.83	
PCB-203	0.8968	-	0.90	Co-elute PCB 196
PCB-196	0.8968	-	0.90	Co-elute PCB 203
13C-PCB-202	0.7996	-	0.80	
13C-PCB-178	0.7636	-	0.76	
13C-PCB-138	-	-	-	
PCB-195	0.9072	-	0.91	
PCB-194	0.9343	-	0.93	
PCB-205	1.1638	-	1.16	
13C-PCB-205	1.2581	-	1.26	
PCB-208	1.1289	-	1.13	
13C-PCB-208	1.0558	-	1.06	
PCB-207	1.3095	-	1.31	
PCB-206	1.1518	-	1.15	
13C-PCB-206	0.8051	-	0.81	
PCB-209	1.2398	-	1.24	
13C-PCB-209	0.8687	-	0.87	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 11/1/20

Run #1 Filename 11NOV20Z S: 1 Acquired: 11-NOV-20 06:12:36 Cal: DAILY209FAL4-11-11-20
Client ID: ST111120Z1 Analyte: DAILY209FAL4-11-11-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	5.28e+07	3.20 y	14:34	-	1.30	
2	IS/RT	13C-PCB-1	100.00	8.14e+07	3.24 y	14:33	-	0.832	
3	Unk	PCB-2	50.00	5.21e+07	3.21 y	16:47	-	1.30	
4	Unk	PCB-3	50.00	4.99e+07	3.16 y	17:00	-	1.27	
5	IS/RT	13C-PCB-3	100.00	7.88e+07	3.29 y	17:00	-	0.805	
6	Unk	PCB-4	50.00	3.48e+07	1.51 y	18:16	-	1.09	
7	Unk	PCB-10	50.00	5.95e+07	1.59 y	18:19	-	1.46	
8	IS/RT	13C-PCB-4	100.00	6.42e+07	1.59 y	18:14	-	0.656	
9	Unk	PCB-9	50.00	5.74e+07	1.55 y	19:57	-	1.41	
10	Unk	PCB-7	50.00	5.81e+07	1.56 y	19:59	-	1.43	
11	Unk	PCB-6	50.00	5.65e+07	1.56 y	20:34	-	1.39	
12	Unk	PCB-8	50.00	5.77e+07	1.52 y	20:57	-	1.42	
13	Unk	PCB-5	50.00	5.47e+07	1.61 y	20:58	-	1.34	
14	Unk	PCB-14	50.00	5.74e+07	1.56 y	22:00	-	1.41	
15	Unk	PCB-11	50.00	5.41e+07	1.54 y	23:08	-	1.33	
16	Unk	PCB-13	50.00	5.63e+07	1.54 y	23:28	-	1.38	
17	Unk	PCB-12	50.00	5.56e+07	1.54 y	23:31	-	1.37	
18	Unk	PCB-15	50.00	6.04e+07	1.54 y	23:47	-	1.22	
19	IS/RT	13C-PCB-15	100.00	9.87e+07	1.62 y	23:46	-	1.01	
20	Unk	PCB-19	50.00	2.72e+07	1.04 y	22:09	-	1.29	
21	Unk	PCB-30	50.00	4.07e+07	1.07 y	23:00	-	1.93	
22	Unk	PCB-18	50.00	2.84e+07	1.07 y	23:42	-	1.34	
23	Unk	PCB-17	50.00	3.03e+07	1.10 y	23:52	-	1.43	
24	Unk	PCB-27	50.00	3.99e+07	1.08 y	24:24	-	1.89	
25	Unk	PCB-24	50.00	4.00e+07	1.05 y	24:25	-	1.89	
26	Unk	PCB-16	50.00	3.39e+07	1.05 y	24:54	-	1.61	
27	Unk	PCB-32	50.00	3.42e+07	1.07 y	24:55	-	1.62	
28	IS/RT	13C-PCB-19	100.00	4.23e+07	1.09 y	22:08	-	0.432	
29	RS	13C-PCB-9	100.00	9.79e+07	1.60 y	19:55	9.79e+05	-	
30	Unk	PCB-34	50.00	4.76e+07	1.01 y	25:39	-	1.09	
31	Unk	PCB-23	50.00	5.62e+07	1.05 y	25:45	-	1.28	
32	Unk	PCB-29	50.00	5.37e+07	1.05 y	25:59	-	1.23	
33	Unk	PCB-26	50.00	5.21e+07	1.05 y	26:11	-	1.19	
34	Unk	PCB-25	50.00	4.99e+07	1.07 y	26:20	-	1.14	
35	Unk	PCB-31	50.00	5.36e+07	1.05 y	26:40	-	1.23	
36	Unk	PCB-28	50.00	5.79e+07	1.07 y	26:46	-	1.32	
37	Unk	PCB-20	150.00	1.50e+08	1.05 y	27:22	-	1.14	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	1.50e+08	1.05 y	27:22	-	1.14	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	1.50e+08	1.05 y	27:22	-	1.14	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	5.44e+07	1.07 y	27:47	-	1.24	
41	Unk	PCB-36	50.00	5.27e+07	1.06 y	28:21	-	1.20	
42	Unk	PCB-39	50.00	5.41e+07	1.05 y	28:48	-	1.24	
43	Unk	PCB-38	50.00	5.17e+07	1.06 y	29:33	-	1.18	
44	Unk	PCB-35	50.00	5.22e+07	1.08 y	30:02	-	1.19	
45	Unk	PCB-37	50.00	5.35e+07	1.06 y	30:26	-	1.22	
46	IS	13C-PCB-37	100.00	8.75e+07	1.07 y	30:26	-	1.72	

47	Unk	PCB-54	100.00	7.10e+07	0.84 y	25:42	-	1.32	
48	Unk	PCB-50	100.00	5.95e+07	0.79 y	26:49	-	1.10	
49	Unk	PCB-53	100.00	5.83e+07	0.79 y	27:25	-	1.08	
50	Unk	PCB-51	100.00	6.14e+07	0.79 y	27:44	-	1.14	
51	Unk	PCB-45	100.00	5.18e+07	0.80 y	28:10	-	0.961	
52	Unk	PCB-46	100.00	4.95e+07	0.81 y	28:36	-	0.917	
53	Unk	PCB-52	200.00	1.28e+08	0.79 y	29:04	-	1.19	Co-elute PCB 69
54	Unk	PCB-69	200.00	1.28e+08	0.79 y	29:04	-	1.19	Co-elute PCB 52
55	Unk	PCB-73	100.00	7.48e+07	0.80 y	29:10	-	1.39	
56	Unk	PCB-43	200.00	1.16e+08	0.80 y	29:20	-	1.07	Co-elute PCB 49
57	Unk	PCB-49	200.00	1.16e+08	0.80 y	29:20	-	1.07	Co-elute PCB 43
58	Unk	PCB-47	100.00	5.86e+07	0.79 y	29:32	-	1.09	
59	Unk	PCB-48	200.00	1.50e+08	0.80 y	29:38	-	1.39	Co-elute PCB 75
60	Unk	PCB-75	200.00	1.50e+08	0.80 y	29:38	-	1.39	Co-elute PCB 48
61	Unk	PCB-65	100.00	7.47e+07	0.80 y	29:55	-	1.38	
62	Unk	PCB-62	100.00	7.49e+07	0.79 y	30:00	-	1.39	
63	Unk	PCB-44	100.00	5.02e+07	0.79 y	30:17	-	0.931	
64	Unk	PCB-42	200.00	1.29e+08	0.80 y	30:30	-	1.19	Co-elute PCB 59
65	Unk	PCB-59	200.00	1.29e+08	0.80 y	30:30	-	1.19	Co-elute PCB 42
66	Unk	PCB-72	400.00	2.89e+08	0.79 y	31:03	-	1.34	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	2.89e+08	0.79 y	31:03	-	1.34	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	2.89e+08	0.79 y	31:03	-	1.34	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	2.89e+08	0.79 y	31:03	-	1.34	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	8.19e+07	0.80 y	31:18	-	1.52	
71	Unk	PCB-40	100.00	4.57e+07	0.80 y	31:31	-	0.847	
72	Unk	PCB-57	100.00	7.70e+07	0.80 y	31:51	-	1.43	
73	Unk	PCB-67	100.00	7.76e+07	0.78 y	32:09	-	1.44	
74	Unk	PCB-58	100.00	7.95e+07	0.80 y	32:15	-	1.47	
75	Unk	PCB-63	100.00	8.05e+07	0.78 y	32:24	-	1.49	
76	Unk	PCB-74	100.00	7.74e+07	0.80 y	32:40	-	1.43	
77	Unk	PCB-61	200.00	1.45e+08	0.79 y	32:52	-	1.34	Co-elute PCB 70
78	Unk	PCB-70	200.00	1.45e+08	0.79 y	32:52	-	1.34	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.64e+08	0.79 y	33:04	-	1.52	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.64e+08	0.79 y	33:04	-	1.52	Co-elute PCB 76
81	Unk	PCB-80	100.00	1.03e+08	0.80 y	33:16	-	1.92	
82	Unk	PCB-55	100.00	8.58e+07	0.79 y	33:34	-	1.59	
83	IS/RT	13C-PCB-54	100.00	5.40e+07	0.84 y	25:40	-	1.06	
84	Unk	PCB-104	100.00	5.39e+07	1.57 y	30:08	-	1.19	
85	Unk	PCB-96	100.00	5.13e+07	1.57 y	31:20	-	1.13	
86	Unk	PCB-103	100.00	4.40e+07	1.57 y	31:51	-	0.968	
87	Unk	PCB-100	100.00	4.43e+07	1.57 y	32:11	-	0.974	
88	Unk	PCB-94	100.00	3.66e+07	1.58 y	32:38	-	0.806	
89	Unk	PCB-98	200.00	7.87e+07	1.54 y	33:05	-	0.867	Co-elute PCB 102
90	Unk	PCB-102	200.00	7.87e+07	1.54 y	33:05	-	0.867	Co-elute PCB 98
91	Unk	PCB-95	100.00	4.27e+07	1.62 y	33:08	-	0.940	
92	Unk	PCB-93	100.00	4.09e+07	1.58 y	33:13	-	0.901	
93	Unk	PCB-88	200.00	8.97e+07	1.57 y	33:31	-	0.987	Co-elute PCB 91
94	Unk	PCB-91	200.00	8.97e+07	1.57 y	33:31	-	0.987	Co-elute PCB 88
95	Unk	PCB-121	100.00	5.19e+07	1.57 y	33:36	-	1.14	
96	IS	13C-PCB-104	100.00	4.54e+07	1.59 y	30:07	-	0.893	
97	C/Up	13C-PCB-28	100.00	9.65e+07	1.07 y	26:45	-	1.90	
98	RS	13C-PCB-52	100.00	5.09e+07	0.82 y	29:01	5.09e+05	-	
99	Unk	PCB-56	200.00	1.86e+08	0.79 y	34:02	-	1.24	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.86e+08	0.79 y	34:02	-	1.24	Co-elute PCB 56

101	Unk	PCB-79	100.00	9.39e+07	0.80 y	35:03	-	1.25	
102	Unk	PCB-78	100.00	9.28e+07	0.80 y	35:43	-	1.24	
103	Unk	PCB-81	100.00	9.57e+07	0.80 y	36:14	-	1.28	
104	IS	13C-PCB-81	100.00	7.45e+07	0.78 y	36:12	-	1.63	
105	Unk	PCB-77	100.00	8.58e+07	0.82 y	36:46	-	1.14	
106	IS/RT	13C-PCB-77	100.00	7.54e+07	0.79 y	36:45	-	1.65	
107	Unk	PCB-155	100.00	5.66e+07	1.26 y	34:18	-	1.10	
108	Unk	PCB-150	100.00	5.27e+07	1.27 y	35:31	-	1.03	
109	Unk	PCB-152	100.00	5.24e+07	1.26 y	35:58	-	1.02	
110	Unk	PCB-145	100.00	5.29e+07	1.24 y	36:24	-	1.03	
111	Unk	PCB-136	100.00	4.98e+07	1.25 y	36:41	-	0.970	
112	Unk	PCB-148	100.00	4.13e+07	1.28 y	36:46	-	0.806	
113	Unk	PCB-154	100.00	4.48e+07	1.28 y	37:14	-	0.874	
114	IS	13C-PCB-155	100.00	5.13e+07	1.29 y	34:17	-	1.12	
115	C/Up	13C-PCB-111	100.00	5.74e+07	1.59 y	36:22	-	1.26	
116	RS	13C-PCB-101	100.00	4.57e+07	1.66 y	34:44	4.57e+05	-	
117	Unk	PCB-84	200.00	9.68e+07	1.57 y	34:24	-	0.731	Co-elute PCB 92
118	Unk	PCB-92	200.00	9.68e+07	1.57 y	34:24	-	0.731	Co-elute PCB 84
119	Unk	PCB-89	100.00	4.82e+07	1.57 y	34:34	-	0.728	
120	Unk	PCB-90	200.00	1.07e+08	1.57 y	34:44	-	0.811	Co-elute PCB 101
121	Unk	PCB-101	200.00	1.07e+08	1.57 y	34:44	-	0.811	Co-elute PCB 90
122	Unk	PCB-113	100.00	5.85e+07	1.58 y	34:58	-	0.883	
123	Unk	PCB-99	100.00	6.00e+07	1.60 y	35:04	-	0.907	
124	Unk	PCB-119	100.00	6.90e+07	1.58 y	35:29	-	1.04	
125	Unk	PCB-83	200.00	1.06e+08	1.59 y	35:38	-	0.804	Co-elute PCB 112
126	Unk	PCB-112	200.00	1.06e+08	1.59 y	35:38	-	0.804	Co-elute PCB 83
127	Unk	PCB-109	100.00	6.45e+07	1.59 y	35:48	-	0.975	
128	Unk	PCB-97	100.00	4.54e+07	1.58 y	36:00	-	0.686	
129	Unk	PCB-86	100.00	4.41e+07	1.53 y	36:08	-	0.666	
130	Unk	PCB-125	300.00	1.85e+08	1.58 y	36:15	-	0.930	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.85e+08	1.58 y	36:15	-	0.930	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.85e+08	1.58 y	36:15	-	0.930	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	1.34e+08	1.58 y	36:24	-	1.01	Co-elute PCB 115
134	Unk	PCB-115	200.00	1.34e+08	1.58 y	36:24	-	1.01	Co-elute PCB 111
135	Unk	PCB-85	200.00	1.13e+08	1.58 y	36:31	-	0.856	Co-elute PCB 116
136	Unk	PCB-116	200.00	1.13e+08	1.58 y	36:31	-	0.856	Co-elute PCB 85
137	Unk	PCB-120	100.00	7.07e+07	1.57 y	36:44	-	1.07	
138	Unk	PCB-110	100.00	6.30e+07	1.59 y	36:53	-	0.952	
139	Unk	PCB-82	100.00	4.00e+07	1.57 y	37:28	-	0.604	
140	Unk	PCB-124	100.00	8.34e+07	1.56 y	38:08	-	1.26	
141	Unk	PCB-108	200.00	1.58e+08	1.60 y	38:16	-	1.19	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.58e+08	1.60 y	38:16	-	1.19	Co-elute PCB 108
143	Unk	PCB-123	100.00	7.35e+07	1.61 y	38:26	-	1.12	
144	IS	13C-PCB-123	100.00	6.55e+07	1.60 y	38:24	-	1.36	
145	Unk	PCB-118	200.00	1.60e+08	1.62 y	38:38	-	1.16	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.60e+08	1.62 y	38:38	-	1.16	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	6.88e+07	1.59 y	38:34	-	1.43	
148	Unk	PCB-114	100.00	8.35e+07	1.61 y	39:14	-	1.27	
149	IS	13C-PCB-114	100.00	6.56e+07	1.60 y	39:12	-	1.36	
150	Unk	PCB-122	100.00	7.51e+07	1.63 y	39:20	-	1.13	
151	Unk	PCB-105	100.00	8.18e+07	1.63 y	40:02	-	1.26	
152	IS	13C-PCB-105	100.00	6.48e+07	1.59 y	40:00	-	1.35	
153	Unk	PCB-127	100.00	7.57e+07	1.63 y	40:21	-	1.14	
154	Unk	PCB-126	100.00	7.65e+07	1.60 y	42:08	-	1.19	
155	IS	13C-PCB-126	100.00	6.40e+07	1.59 y	42:08	-	1.33	

156	Unk	PCB-151	100.00	5.15e+07	1.27 y	37:51	-	0.909	
157	Unk	PCB-135	100.00	5.21e+07	1.26 y	38:05	-	0.921	
158	Unk	PCB-144	100.00	5.16e+07	1.26 y	38:11	-	0.912	
159	Unk	PCB-147	100.00	5.42e+07	1.27 y	38:18	-	0.958	
160	Unk	PCB-139	200.00	1.12e+08	1.25 y	38:33	-	0.992	Co-elute PCB 149
161	Unk	PCB-149	200.00	1.12e+08	1.25 y	38:33	-	0.992	Co-elute PCB 139
162	Unk	PCB-140	100.00	5.44e+07	1.29 y	38:44	-	0.961	
163	Unk	PCB-143	200.00	9.14e+07	1.25 y	39:07	-	0.808	Co-elute PCB 134
164	Unk	PCB-134	200.00	9.14e+07	1.25 y	39:07	-	0.808	Co-elute PCB 143
165	Unk	PCB-131	200.00	9.12e+07	1.25 y	39:25	-	0.806	Co-elute PCB 133
166	Unk	PCB-133	200.00	9.12e+07	1.25 y	39:25	-	0.806	Co-elute PCB 131
167	Unk	PCB-142	100.00	4.62e+07	1.24 y	39:35	-	0.816	
168	Unk	PCB-165	200.00	1.21e+08	1.26 y	39:47	-	1.06	Co-elute PCB 146
169	Unk	PCB-146	200.00	1.21e+08	1.26 y	39:47	-	1.06	Co-elute PCB 165
170	Unk	PCB-161	200.00	1.15e+08	1.26 y	40:00	-	1.02	Co-elute PCB 132
171	Unk	PCB-132	200.00	1.15e+08	1.26 y	40:00	-	1.02	Co-elute PCB 161
172	Unk	PCB-153	100.00	5.98e+07	1.27 y	40:10	-	1.06	
173	Unk	PCB-168	100.00	6.61e+07	1.26 y	40:21	-	1.17	
174	Unk	PCB-141	100.00	5.17e+07	1.26 y	40:53	-	0.914	
175	Unk	PCB-137	100.00	5.45e+07	1.25 y	41:14	-	0.962	
176	Unk	PCB-130	100.00	4.39e+07	1.26 y	41:19	-	0.776	
177	Unk	PCB-138	300.00	1.87e+08	1.26 y	41:40	-	1.10	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.87e+08	1.26 y	41:40	-	1.10	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.87e+08	1.26 y	41:40	-	1.10	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	1.38e+08	1.25 y	41:53	-	1.22	Co-elute PCB 160
181	Unk	PCB-160	200.00	1.38e+08	1.25 y	41:53	-	1.22	Co-elute PCB 158
182	Unk	PCB-129	100.00	4.50e+07	1.27 y	42:08	-	0.795	
183	Unk	PCB-166	100.00	6.76e+07	1.25 y	42:35	-	1.19	
184	Unk	PCB-159	100.00	7.46e+07	1.27 y	42:53	-	1.32	
185	Unk	PCB-128	200.00	1.20e+08	1.26 y	43:09	-	1.06	Co-elute PCB 162
186	Unk	PCB-162	200.00	1.20e+08	1.26 y	43:09	-	1.06	Co-elute PCB 128
187	Unk	PCB-167	100.00	6.70e+07	1.25 y	43:31	-	1.19	
188	IS	13C-PCB-167	100.00	5.63e+07	1.27 y	43:31	-	1.17	
189	Unk	PCB-156	100.00	7.16e+07	1.26 y	44:45	-	1.28	
190	IS	13C-PCB-156	100.00	5.58e+07	1.28 y	44:43	-	1.16	
191	Unk	PCB-157	100.00	6.94e+07	1.27 y	44:59	-	1.22	
192	IS	13C-PCB-157	100.00	5.68e+07	1.28 y	44:59	-	1.18	
193	Unk	PCB-169	100.00	6.55e+07	1.26 y	46:50	-	1.14	
194	IS	13C-PCB-169	100.00	5.74e+07	1.26 y	46:50	-	1.19	
195	Unk	PCB-188	100.00	5.30e+07	1.06 y	39:48	-	1.15	
196	IS	13C-PCB-188	100.00	4.59e+07	1.08 y	39:48	-	0.955	

197	Unk	PCB-184	100.00	5.77e+07	1.06 y	40:15	-	1.26	
198	Unk	PCB-179	100.00	5.44e+07	1.06 y	40:59	-	1.19	
199	Unk	PCB-176	100.00	5.29e+07	1.06 y	41:25	-	1.16	
200	Unk	PCB-186	100.00	5.42e+07	1.06 y	42:00	-	1.18	
201	Unk	PCB-178	100.00	3.95e+07	1.06 y	42:26	-	0.862	
202	Unk	PCB-175	100.00	4.23e+07	1.06 y	42:46	-	0.924	
203	Unk	PCB-187	200.00	9.09e+07	1.06 y	42:56	-	0.993	Co-elute PCB 182
204	Unk	PCB-182	200.00	9.09e+07	1.06 y	42:56	-	0.993	Co-elute PCB 187
205	Unk	PCB-183	100.00	4.39e+07	1.05 y	43:14	-	0.959	
206	Unk	PCB-185	100.00	4.18e+07	1.07 y	43:52	-	0.913	
207	Unk	PCB-174	100.00	4.29e+07	1.18 y	44:13	-	0.938	
208	Unk	PCB-181	100.00	4.23e+07	0.92 y	44:18	-	0.924	
209	Unk	PCB-177	100.00	3.94e+07	1.04 y	44:28	-	0.860	
210	Unk	PCB-171	100.00	4.09e+07	1.05 y	44:45	-	0.893	
211	Unk	PCB-173	100.00	3.76e+07	1.05 y	45:09	-	0.821	
212	Unk	PCB-172	100.00	3.96e+07	1.05 y	45:32	-	0.866	
213	Unk	PCB-192	100.00	5.07e+07	1.05 y	45:42	-	1.11	
214	Unk	PCB-180	100.00	3.94e+07	1.04 y	45:54	-	0.861	
215	Unk	PCB-193	100.00	5.33e+07	1.07 y	46:04	-	1.16	
216	Unk	PCB-191	100.00	5.23e+07	1.06 y	46:15	-	1.14	
217	Unk	PCB-170	100.00	3.91e+07	1.07 y	47:09	-	0.855	
218	Unk	PCB-190	100.00	5.03e+07	1.06 y	47:19	-	1.10	
219	Unk	PCB-189	100.00	4.93e+07	1.07 y	48:30	-	1.08	
220	IS	13C-PCB-189	100.00	4.56e+07	1.05 y	48:29	-	0.949	
221	Unk	PCB-202	150.00	6.04e+07	0.92 y	44:56	-	1.05	
222	Unk	PCB-201	150.00	6.63e+07	0.90 y	45:23	-	1.15	
223	Unk	PCB-204	150.00	6.76e+07	0.92 y	45:31	-	1.17	
224	Unk	PCB-197	150.00	6.72e+07	0.91 y	45:47	-	1.17	
225	Unk	PCB-200	150.00	6.68e+07	0.90 y	46:32	-	1.16	
226	Unk	PCB-198	150.00	4.67e+07	0.91 y	47:41	-	0.809	
227	Unk	PCB-199	150.00	4.76e+07	0.92 y	47:46	-	0.826	
228	Unk	PCB-203	300.00	1.03e+08	0.92 y	48:01	-	0.897	Co-elute PCB 196
229	Unk	PCB-196	300.00	1.03e+08	0.92 y	48:01	-	0.897	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	3.84e+07	0.91 y	44:55	-	0.800	
231	C/Up	13C-PCB-178	100.00	3.67e+07	1.06 y	42:26	-	0.764	
232	RS	13C-PCB-138	100.00	4.81e+07	1.27 y	41:39	4.81e+05	-	
233	Unk	PCB-195	150.00	7.74e+07	0.89 y	49:06	-	0.907	
234	Unk	PCB-194	150.00	7.97e+07	0.90 y	49:53	-	0.934	
235	Unk	PCB-205	150.00	9.92e+07	0.90 y	50:09	-	1.16	
236	IS	13C-PCB-205	100.00	5.68e+07	0.91 y	50:07	-	1.26	
237	Unk	PCB-208	150.00	8.08e+07	1.40 y	49:13	-	1.13	
238	IS	13C-PCB-208	100.00	4.77e+07	0.83 y	49:12	-	1.06	
239	Unk	PCB-207	150.00	8.26e+07	1.38 y	49:30	-	1.31	
240	Unk	PCB-206	150.00	6.29e+07	1.38 y	51:19	-	1.15	
241	IS	13C-PCB-206	100.00	3.64e+07	0.80 y	51:19	-	0.805	
242	Unk	PCB-209	150.00	7.30e+07	1.20 y	52:31	-	1.24	
243	IS	13C-PCB-209	100.00	3.93e+07	1.23 y	52:30	-	0.869	
244	RS	13C-PCB-194	100.00	4.52e+07	0.90 y	49:52	4.52e+05	-	

Analyst: _____ Date: 11/11/20

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: 11NOV20Z Sam:1 Analysis Date: 11-NOV-20 06:12:36

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	53.5	37.5 - 62.5
PCB-3	M/M+2	3.16	2.66-3.60	y	51.4	37.5 - 62.5
PCB-4	M/M+2	1.51	1.33-1.79	y	47.6	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	56.1	37.5 - 62.5
PCB-19	M/M+2	1.04	0.88-1.20	y	53.2	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	53.4	37.5 - 62.5
PCB-54	M/M+2	0.84	0.65-0.89	y	111	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	113	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	1.63	1.32-1.78	y	114	75.0 - 125
PCB-114	M+2/M+4	1.61	1.32-1.78	y	113	75.0 - 125
PCB-118	M+2/M+4	1.62	1.32-1.78	y	207	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	110	75.0 - 125
PCB-155	M+2/M+4	1.26	1.05-1.43	y	97.3	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	114	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	113	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	107	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	106	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	105	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.92	0.76-1.02	y	153	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	161	112.5 - 187.5
PCB-206	M+4/M+6	1.38	1.13-1.53	y	166	112.5 - 187.5
PCB-208	M+4/M+6	1.40	1.13-1.53	y	168	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	165	112.5 - 187.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 11NOV20Z Sam:1 Analysis Date: 11-NOV-20 06:12:36

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.24	2.66-3.60	y	92.5	50.0 - 145
13C-PCB-3	M/M+2	3.29	2.66-3.60	y	86.6	50.0 - 145
13C-PCB-4	M/M+2	1.59	1.33-1.79	y	99.5	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	92.9	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	85.6	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	105	50.0 - 145
13C-PCB-54	M/M+2	0.84	0.65-0.89	y	84.0	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	102	50.0 - 145
13C-PCB-81	M/M+2	0.78	0.65-0.89	y	104	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	87.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	105	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	105	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	106	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	106	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	108	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	102	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	97.7	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	97.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	95.2	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	102	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	84.8	50.0 - 145
13C-PCB-189	M+2/M+4	1.05	0.89-1.21	y	98.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	83.6	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	85.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.83	0.65-0.89	y	76.8	50.0 - 145
13C-PCB-209	M+4/M+6	1.23	0.99-1.33	y	78.7	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.07	0.88-1.20	y	109	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	98.9	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	98.3	75.0 - 125

Analyst: _____ Date: 11/11/20

FAL ID: ST111120Z1 Filename: 11NOV20Z Sam:1 Acquired: 11-NOV-20 06:12:36 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 11NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	5.28e+07	3.20 y	14:34	1.21	53.5		2.50	-	-	*	-
13C-PCB-1	8.14e+07	3.24 y	14:33	0.90	92.5		2.50				92.5
PCB-3	4.99e+07	3.16 y	17:00	1.23	51.4		2.50	-	-	*	-
13C-PCB-3	7.88e+07	3.29 y	16:60	0.93	86.6		2.50				86.6
PCB-4	3.48e+07	1.51 y	18:16	1.14	47.6		2.50	-	-	*	-
13C-PCB-4	6.42e+07	1.59 y	18:14	0.66	99.5		2.50				99.5
PCB-15	6.04e+07	1.54 y	23:47	1.09	56.1		2.50	-	-	*	-
13C-PCB-15	9.87e+07	1.62 y	23:46	1.09	92.9		2.50				92.9
PCB-19	2.72e+07	1.04 y	22:09	1.21	53.2		2.50	-	-	*	-
13C-PCB-19	4.23e+07	1.09 y	22:08	0.50	85.6		2.50				85.6
13C-PCB-9	9.78e+07	1.60 y	19:55	-	95.9		2.50				
PCB-37	5.35e+07	1.06 y	30:26	1.14	53.4		2.50	-	-	*	-
13C-PCB-37	8.75e+07	1.07 y	30:26	1.64	105		2.50				105
PCB-54	7.10e+07	0.84 y	25:42	1.18	111		2.50	-	-	*	-
13C-PCB-54	5.40e+07	0.84 y	25:40	1.26	84.0		2.50				84.0
PCB-104	5.39e+07	1.57 y	30:08	1.12	106		2.50	-	-	*	-
13C-PCB-104	4.54e+07	1.59 y	30:07	1.02	87.5		2.50				87.5
13C-PCB-28	9.65e+07	1.07 y	26:45	1.73	109		2.50				109
13C-PCB-52	5.09e+07	0.82 y	29:01	-	95.8		2.50				
PCB-81	9.57e+07	0.80 y	36:14	1.13	113		2.50	-	-	*	-
13C-PCB-81	7.45e+07	0.78 y	36:12	1.57	104		2.50				104
PCB-77	8.58e+07	0.82 y	36:46	1.10	103		2.50	-	-	*	-
13C-PCB-77	7.54e+07	0.79 y	36:45	1.61	102		2.50				102
PCB-155	5.66e+07	1.26 y	34:18	1.13	97.3		2.50	-	-	*	-
13C-PCB-155	5.13e+07	1.29 y	34:17	1.10	102		2.50				102
13C-PCB-111	5.74e+07	1.59 y	36:22	1.27	98.9		2.50				98.9
13C-PCB-101	4.57e+07	1.66 y	34:44	-	95.8		2.50				
PCB-123	7.35e+07	1.61 y	38:26	1.11	101		2.50	-	-	*	-
13C-PCB-123	6.55e+07	1.60 y	38:24	1.28	106		2.50				106
PCB-118	1.60e+08	1.62 y	38:38	1.12	207		2.50	-	-	*	-
13C-PCB-118	6.88e+07	1.59 y	38:34	1.35	106		2.50				106
PCB-114	8.35e+07	1.61 y	39:14	1.13	113		2.50	-	-	*	-
13C-PCB-114	6.56e+07	1.60 y	39:12	1.29	105		2.50				105
PCB-105	8.18e+07	1.63 y	40:02	1.10	114		2.50	-	-	*	-
13C-PCB-105	6.48e+07	1.59 y	39:60	1.28	105		2.50				105
PCB-126	7.65e+07	1.60 y	42:08	1.08	110		2.50	-	-	*	-
13C-PCB-126	6.40e+07	1.59 y	42:08	1.23	108		2.50				108
PCB-167	6.70e+07	1.25 y	43:31	1.11	107		2.50	-	-	*	-
13C-PCB-167	5.63e+07	1.27 y	43:31	1.23	95.2		2.50				95.2
PCB-156	7.16e+07	1.26 y	44:45	1.13	114		2.50	-	-	*	-
13C-PCB-156	5.58e+07	1.28 y	44:43	1.19	97.7		2.50				97.7
PCB-157	6.94e+07	1.27 y	44:59	1.08	113		2.50	-	-	*	-
13C-PCB-157	5.68e+07	1.28 y	44:59	1.21	97.4		2.50				97.4
PCB-169	6.55e+07	1.26 y	46:50	1.08	106		2.50	-	-	*	-
13C-PCB-169	5.74e+07	1.26 y	46:50	1.17	102		2.50				102
PCB-188	5.30e+07	1.06 y	39:48	1.10	105		2.50	-	-	*	-
13C-PCB-188	4.59e+07	1.08 y	39:48	1.13	84.8		2.50				84.8
PCB-189	4.93e+07	1.07 y	48:30	1.07	101		2.50	-	-	*	-
13C-PCB-189	4.56e+07	1.05 y	48:29	0.97	98.3		2.50				98.3
PCB-202	6.04e+07	0.92 y	44:56	1.03	153		2.50	-	-	*	-
13C-PCB-202	3.84e+07	0.91 y	44:55	0.96	83.6		2.50				83.6
13C-PCB-178	3.67e+07	1.06 y	42:26	0.78	98.3		2.50				98.3
13C-PCB-138	4.81e+07	1.27 y	41:39	-	100.0		2.50				

FAL ID: ST111120Z1 Filename: 11NOV20Z Sam:1 Acquired: 11-NOV-20 06:12:36 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 11NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	9.92e+07	0.90	y	50:09	1.09	161	2.50	-	-	*	-
13C-PCB-205	5.68e+07	0.91	y	50:07	1.32	95.6	2.50				95.6
PCB-208	8.08e+07	1.40	y	49:13	1.01	168	2.50	-	-	*	-
13C-PCB-208	4.77e+07	0.83	y	49:12	1.38	76.8	2.50				76.8
PCB-206	6.29e+07	1.38	y	51:19	1.04	166	2.50	-	-	*	-
13C-PCB-206	3.64e+07	0.80	y	51:19	0.94	85.9	2.50				85.9
PCB-209	7.30e+07	1.20	y	52:31	1.13	165	2.50	-	-	*	-
13C-PCB-209	3.93e+07	1.23	y	52:30	1.10	78.7	2.50				78.7
13C-PCB-194	4.52e+07	0.90	y	49:52	-	119	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/11/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 11NOV20Z Sam:12 Analysis Date: 11-NOV-20 16:54:29

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	52.3	37.5 - 62.5
PCB-3	M/M+2	3.22	2.66-3.60	y	53.0	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	49.5	37.5 - 62.5
PCB-15	M/M+2	1.51	1.33-1.79	y	49.8	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	52.2	37.5 - 62.5
PCB-37	M/M+2	1.11	0.88-1.20	y	51.4	37.5 - 62.5
PCB-54	M/M+2	0.82	0.65-0.89	y	102	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	99.3	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	102	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	101	75.0 - 125
PCB-105	M+2/M+4	1.60	1.32-1.78	y	96.3	75.0 - 125
PCB-114	M+2/M+4	1.61	1.32-1.78	y	95.9	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	200	150 - 250
PCB-123	M+2/M+4	1.64	1.32-1.78	y	91.7	75.0 - 125
PCB-126	M+2/M+4	1.63	1.32-1.78	y	99.7	75.0 - 125
PCB-155	M+2/M+4	1.30	1.05-1.43	y	110	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	98.4	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	100	75.0 - 125
PCB-167	M+2/M+4	1.28	1.05-1.43	y	103	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	103	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.4	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	0.94	0.76-1.02	y	164	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	148	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	152	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	154	112.5 - 187.5

Analyst: _____ Date: 11/18/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/11/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 11NOV20Z Sam:12 Analysis Date: 11-NOV-20 16:54:29

	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	3.31	2.66-3.60	y	94.3	50.0 - 145
13C-PCB-3	M/M+2	3.38	2.66-3.60	y	90.8	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	97.4	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	94.9	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	93.4	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	89.9	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	106	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	113	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	107	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	95.8	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	98.9	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	98.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	96.5	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	94.9	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	97.2	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	84.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	95.5	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	93.3	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	97.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	94.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	89.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	77.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	96.1	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	97.3	50.0 - 145
13C-PCB-208	M+2/M+4	0.83	0.65-0.89	y	95.7	50.0 - 145
13C-PCB-209	M+4/M+6	1.24	0.99-1.33	y	91.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.05	0.88-1.20	y	100	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	109	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	91.8	75.0 - 125

Analyst: _____ Date: 11/12/20

FAL ID: ST111120Z2 Filename: 11NOV20Z Sam:12 Acquired: 11-NOV-20 16:54:29 ICal: DAILY209FAL4-11-11-20 1 of 2
Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.71e+07	3.20 y	14:35	1.30	52.3		2.50	-	-	*	
13C-PCB-1	6.95e+07	3.31 y	14:34	0.83	94.3		2.50				94.3
PCB-3	4.35e+07	3.22 y	17:01	1.27	53.0		2.50	-	-	*	
13C-PCB-3	6.48e+07	3.38 y	16:60	0.81	90.8		2.50				90.8
PCB-4	3.04e+07	1.52 y	18:16	1.09	49.5		2.50	-	-	*	
13C-PCB-4	5.66e+07	1.61 y	18:14	0.66	97.4		2.50				97.4
PCB-15	5.17e+07	1.51 y	23:47	1.22	49.8		2.50	-	-	*	
13C-PCB-15	8.49e+07	1.60 y	23:46	1.01	94.9		2.50				94.9
PCB-19	2.40e+07	1.09 y	22:10	1.29	52.2		2.50	-	-	*	
13C-PCB-19	3.58e+07	1.08 y	22:08	0.43	93.4		2.50				93.4
13C-PCB-9	8.86e+07	1.60 y	19:55	-	90.6		2.50				
PCB-37	4.41e+07	1.11 y	30:26	1.22	51.4		2.50	-	-	*	
13C-PCB-37	7.03e+07	1.06 y	30:25	1.72	89.9		2.50				89.9
PCB-54	6.89e+07	0.82 y	25:42	1.32	102		2.50	-	-	*	
13C-PCB-54	5.12e+07	0.83 y	25:40	1.06	106		2.50				106
PCB-104	4.65e+07	1.58 y	30:08	1.19	101		2.50	-	-	*	
13C-PCB-104	3.89e+07	1.59 y	30:07	0.89	95.8		2.50				95.8
13C-PCB-28	8.63e+07	1.05 y	26:45	1.90	100		2.50				100
13C-PCB-52	4.55e+07	0.81 y	29:01	-	89.3		2.50				
PCB-81	8.78e+07	0.81 y	36:12	1.28	102		2.50	-	-	*	
13C-PCB-81	6.70e+07	0.79 y	36:11	1.63	107		2.50				107
PCB-77	8.11e+07	0.81 y	36:46	1.14	99.3		2.50	-	-	*	
13C-PCB-77	7.19e+07	0.81 y	36:45	1.65	113		2.50				113
PCB-155	4.45e+07	1.30 y	34:18	1.10	110		2.50	-	-	*	
13C-PCB-155	3.67e+07	1.36 y	34:16	1.12	84.9		2.50				84.9
13C-PCB-111	5.25e+07	1.63 y	36:21	1.26	109		2.50				109
13C-PCB-101	3.84e+07	1.66 y	34:42	-	84.2		2.50				
PCB-123	6.45e+07	1.64 y	38:24	1.12	91.7		2.50	-	-	*	
13C-PCB-123	6.27e+07	1.59 y	38:23	1.36	94.9		2.50				94.9
PCB-118	1.56e+08	1.61 y	38:36	1.16	200		2.50	-	-	*	
13C-PCB-118	6.71e+07	1.61 y	38:34	1.43	96.5		2.50				96.5
PCB-114	7.93e+07	1.61 y	39:12	1.27	95.9		2.50	-	-	*	
13C-PCB-114	6.50e+07	1.60 y	39:10	1.36	98.2		2.50				98.2
PCB-105	7.87e+07	1.60 y	40:01	1.26	96.3		2.50	-	-	*	
13C-PCB-105	6.47e+07	1.59 y	39:60	1.35	98.9		2.50				98.9
PCB-126	7.48e+07	1.63 y	42:08	1.19	99.7		2.50	-	-	*	
13C-PCB-126	6.28e+07	1.59 y	42:07	1.33	97.2		2.50				97.2
PCB-167	6.75e+07	1.28 y	43:31	1.19	103		2.50	-	-	*	
13C-PCB-167	5.53e+07	1.29 y	43:29	1.17	97.3		2.50				97.3
PCB-156	6.79e+07	1.27 y	44:45	1.28	98.4		2.50	-	-	*	
13C-PCB-156	5.38e+07	1.29 y	44:43	1.16	95.5		2.50				95.5
PCB-157	6.56e+07	1.27 y	44:59	1.22	100		2.50	-	-	*	
13C-PCB-157	5.35e+07	1.27 y	44:58	1.18	93.3		2.50				93.3
PCB-169	6.46e+07	1.26 y	46:50	1.14	103		2.50	-	-	*	
13C-PCB-169	5.50e+07	1.29 y	46:50	1.19	94.8		2.50				94.8
PCB-188	5.01e+07	1.05 y	39:48	1.15	99.4		2.50	-	-	*	
13C-PCB-188	4.37e+07	1.08 y	39:47	0.96	94.2		2.50				94.2
PCB-189	4.53e+07	1.06 y	48:30	1.08	102		2.50	-	-	*	
13C-PCB-189	4.13e+07	1.08 y	48:28	0.95	89.6		2.50				89.6
PCB-202	5.16e+07	0.94 y	44:54	1.05	164		2.50	-	-	*	
13C-PCB-202	3.01e+07	0.91 y	44:54	0.80	77.5		2.50				77.5
13C-PCB-178	3.40e+07	1.08 y	42:25	0.76	91.8		2.50				91.8
13C-PCB-138	4.85e+07	1.28 y	41:37	-	101		2.50				

FAL ID: ST111120Z2 Filename: 11NOV20Z Sam:12 Acquired: 11-NOV-20 16:54:29 ICal: DAILY209FAL4-11-11-20 2 of 2
Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 13416 GC Column: DB1MS Amount: 1.000

PCB-205	9.91e+07	0.91	y	50:08	1.16	150	2.50	-	-	*	
13C-PCB-205	5.66e+07	0.89	y	50:07	1.26	96.1	2.50				96.1
PCB-208	8.14e+07	1.37	y	49:13	1.13	152	2.50	-	-	*	
13C-PCB-208	4.73e+07	0.83	y	49:12	1.06	95.7	2.50				95.7
PCB-206	6.24e+07	1.35	y	51:20	1.15	148	2.50	-	-	*	
13C-PCB-206	3.66e+07	0.81	y	51:19	0.81	97.3	2.50				97.3
PCB-209	7.12e+07	1.22	y	52:31	1.24	154	2.50	-	-	*	
13C-PCB-209	3.74e+07	1.24	y	52:30	0.87	91.9	2.50				91.9
13C-PCB-194	4.68e+07	0.90	y	49:52	-	104	2.50				

Analyst: _____ Date: 11/12/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:11NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

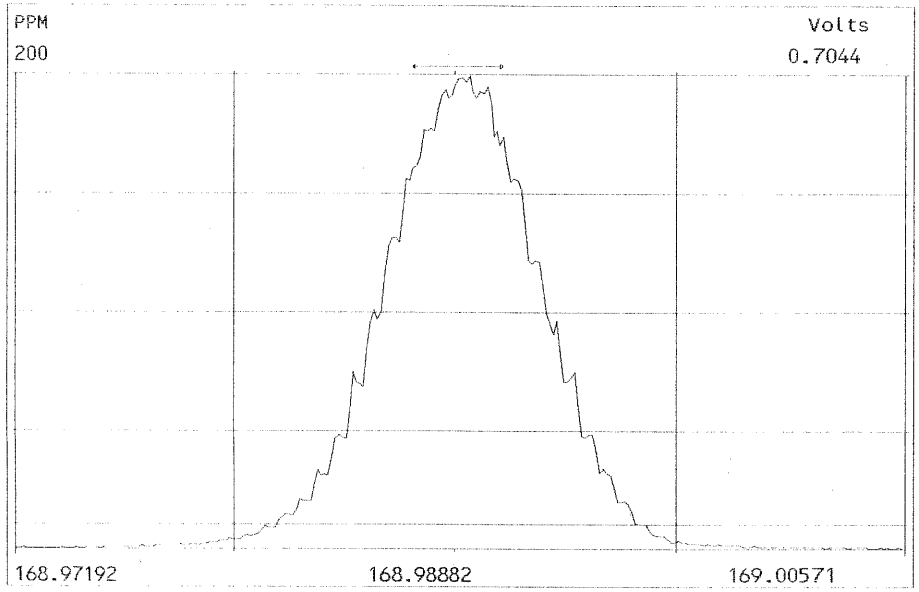
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
11NOV20Z	1	ST111120Z1	CS209 200406A	11-NOV-20 06:12:36	ST111120Z1	ST111120Z2	BS
11NOV20Z	2	05502-001-0001-OPR	OPR	11-NOV-20 07:10:56	ST111120Z1	ST111120Z2	BS
11NOV20Z	3	05502-001-0001-MB	Method Blank	11-NOV-20 08:09:17	ST111120Z1	ST111120Z2	BS
11NOV20Z	4	13416-001-0001-SA	LDW-Y3-SC-ENR-CA-ULM	11-NOV-20 09:07:38	ST111120Z1	ST111120Z2	BS
11NOV20Z	5	13416-003-0001-SA	LDW-Y3-SC-ENR-CC-ULM	11-NOV-20 10:06:00	ST111120Z1	ST111120Z2	BS
11NOV20Z	6	13416-004-0001-SA	LDW-Y3-SC-ENR-CD-ULM	11-NOV-20 11:04:21	ST111120Z1	ST111120Z2	BS
11NOV20Z	7	13416-006-0001-SA	LDW-Y3-SC-ENR+AC-CA-ULM	11-NOV-20 12:02:42	ST111120Z1	ST111120Z2	BS
11NOV20Z	8	13416-007-0001-SA	LDW-Y3-SC-ENR+AC-CB-ULM	11-NOV-20 13:01:04	ST111120Z1	ST111120Z2	BS
11NOV20Z	9	13416-008-0001-SA	LDW-Y3-SC-ENR+AC-CC-ULM	11-NOV-20 13:59:25	ST111120Z1	ST111120Z2	BS
11NOV20Z	10	13416-010-0001-SA	LDW-Y3-SC-ENR-CA-CORE	11-NOV-20 14:57:46	ST111120Z1	ST111120Z2	BS
11NOV20Z	11	SB111120Z1	Solvent Blank	11-NOV-20 15:56:08	ST111120Z1	ST111120Z2	BS
11NOV20Z	12	ST111120Z2	CS209 200406A	11-NOV-20 16:54:29	ST111120Z1	ST111120Z2	BS

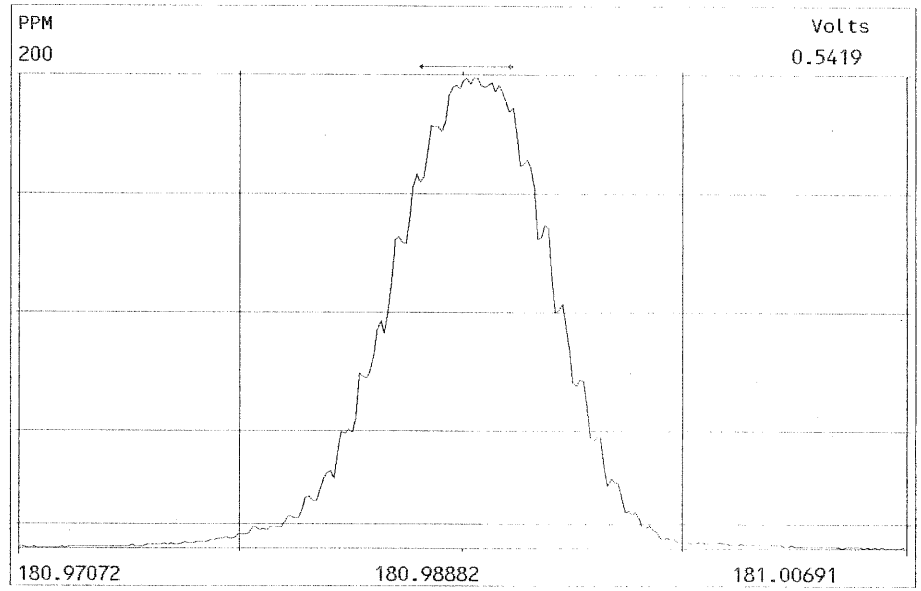
11/12/20

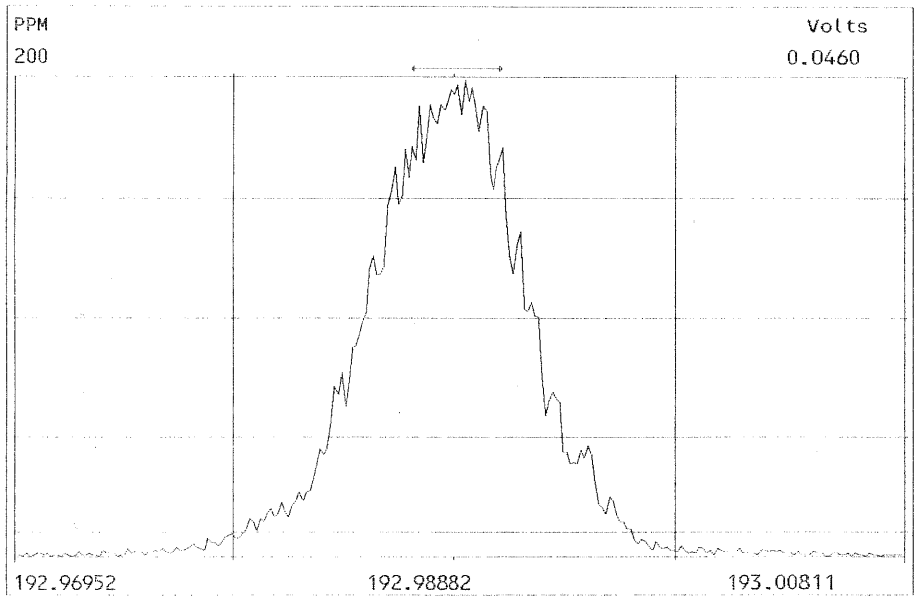
Data Backed Up:_____

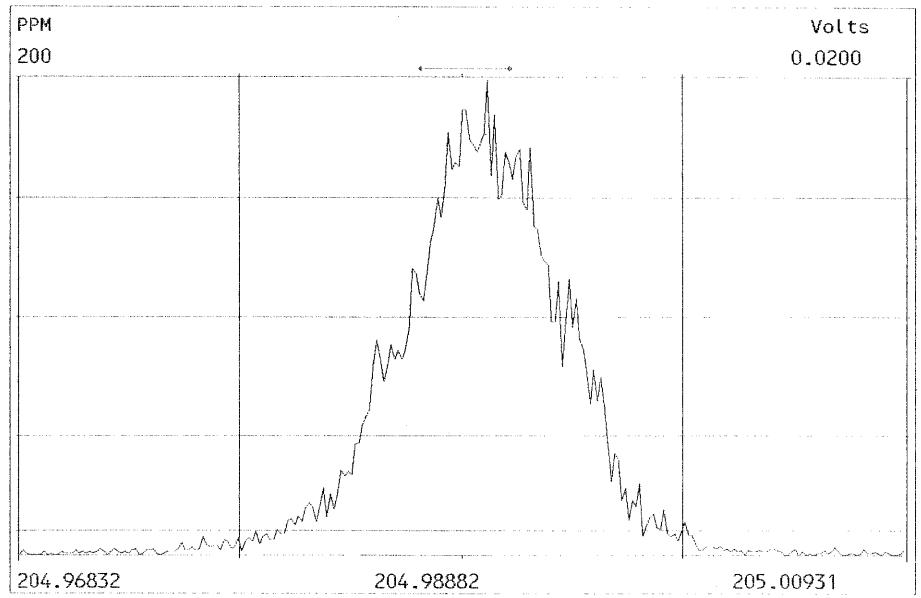
Date:_____

Peak Locate Examination:11-NOV-2020:06:09 File:11NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

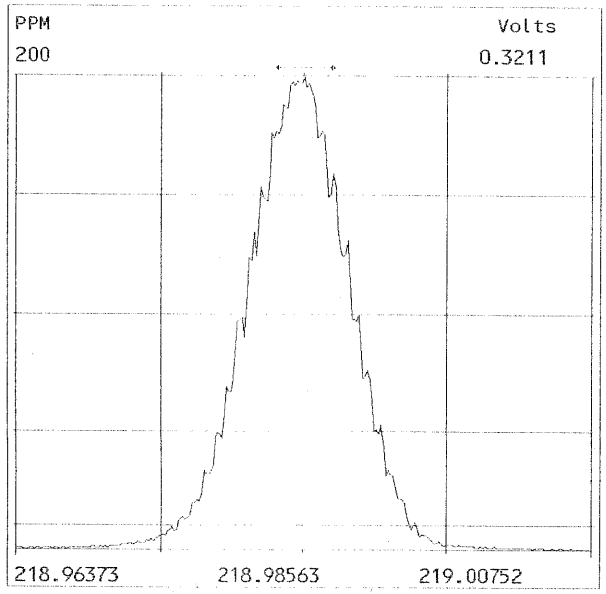


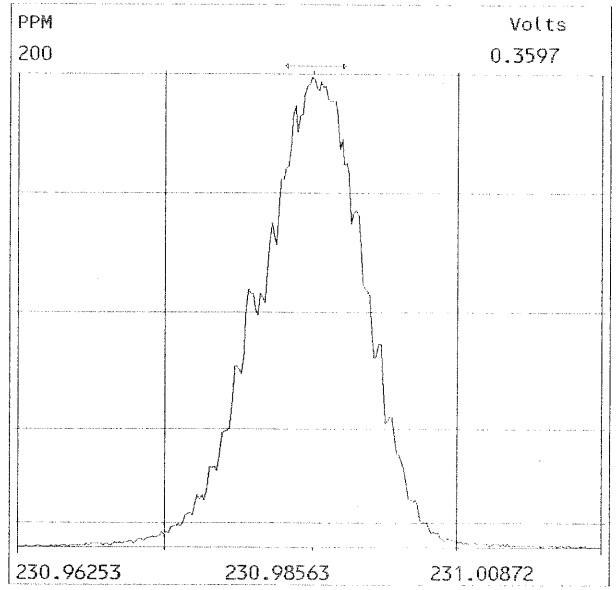


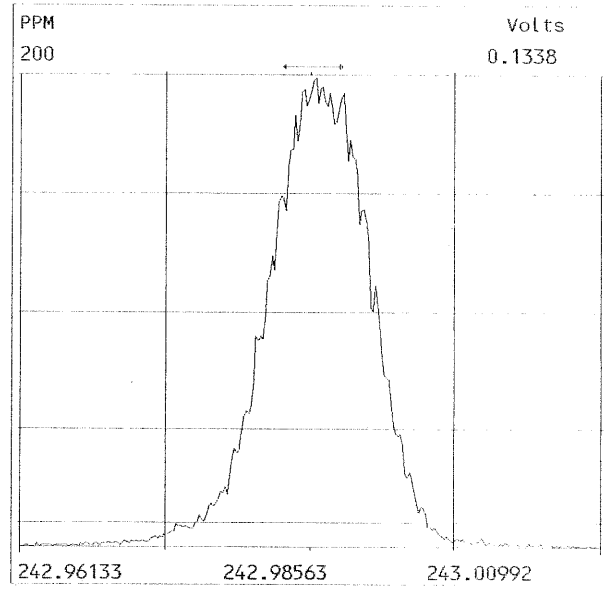


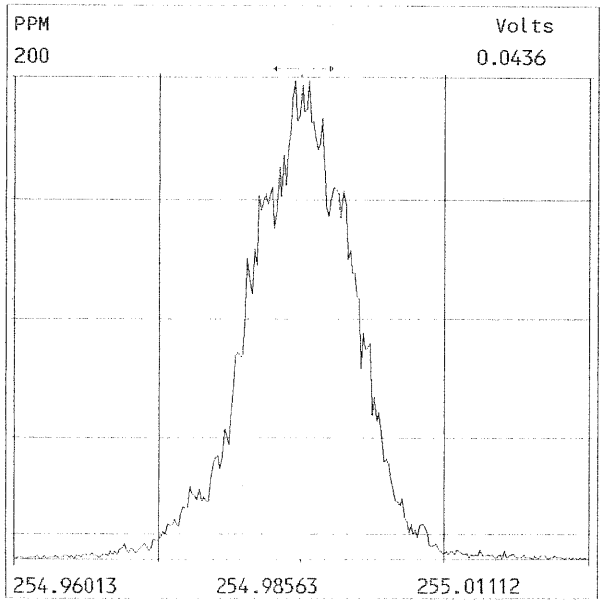


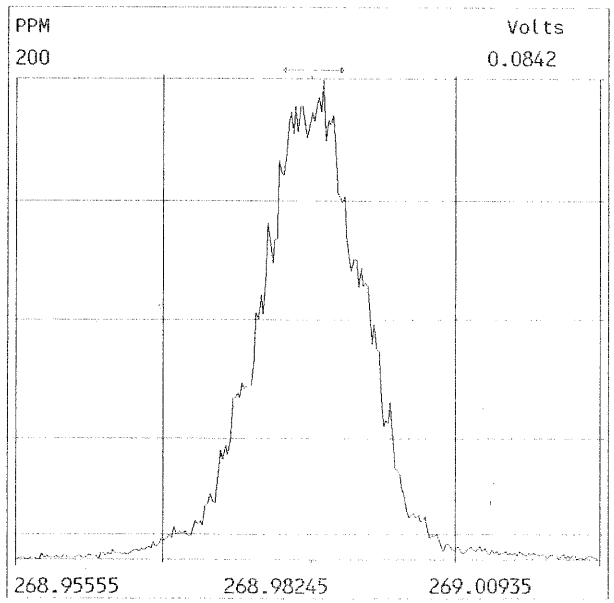
Peak Locate Examination:11-NOV-2020:06:10 File:11NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

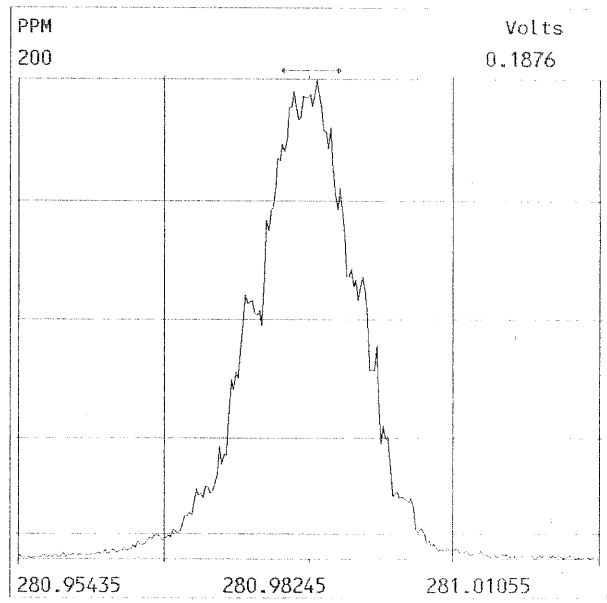




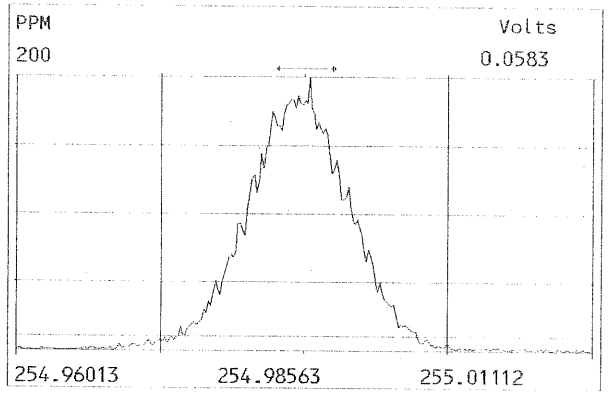


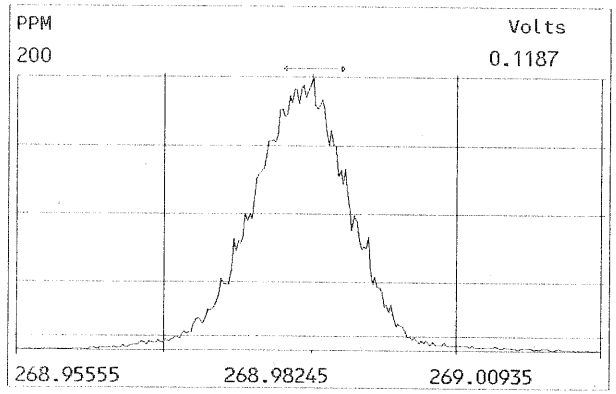


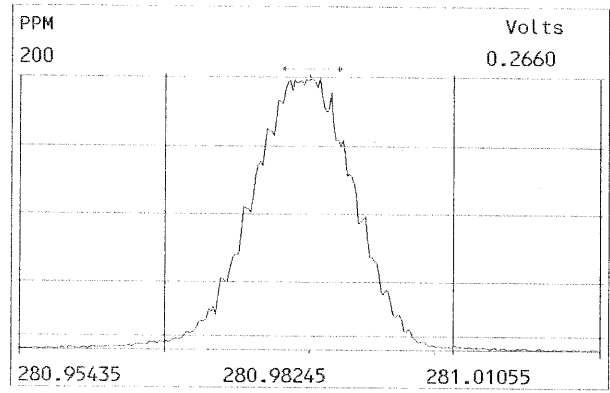


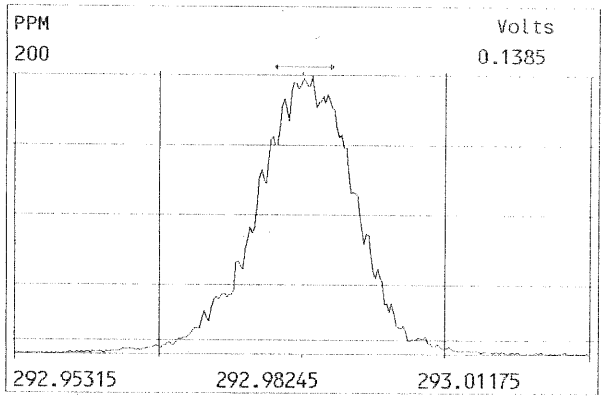


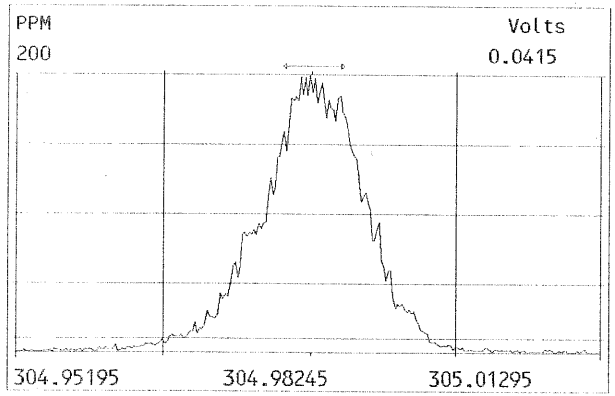
Peak Locate Examination:11-NOV-2020:06:10 File:11NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

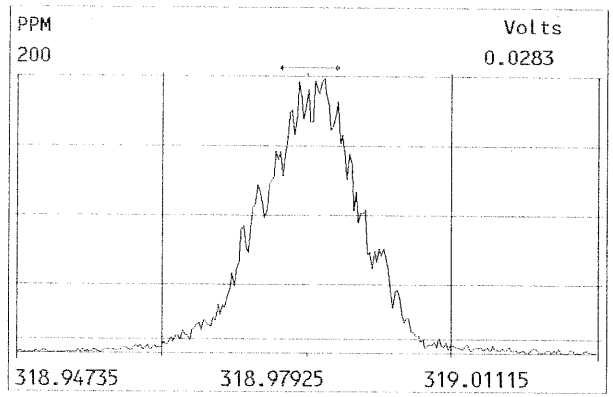


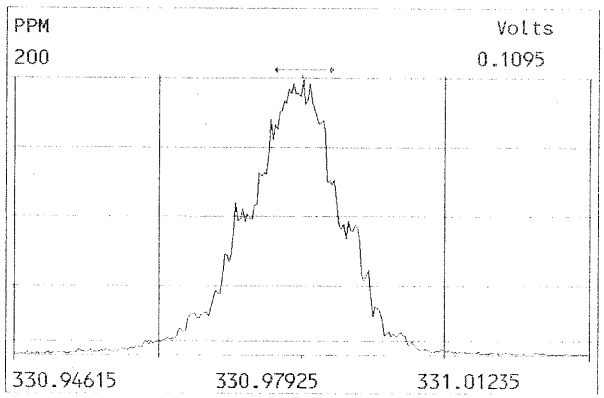


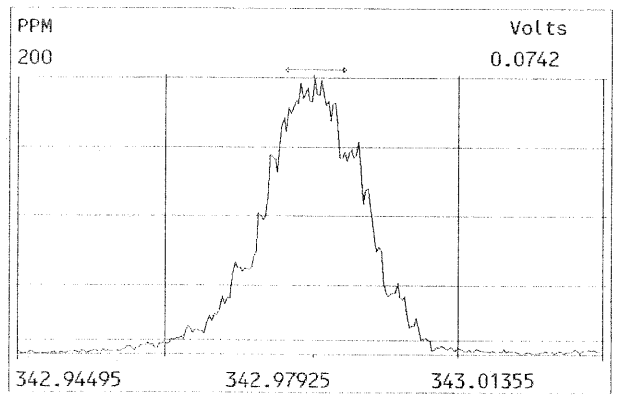




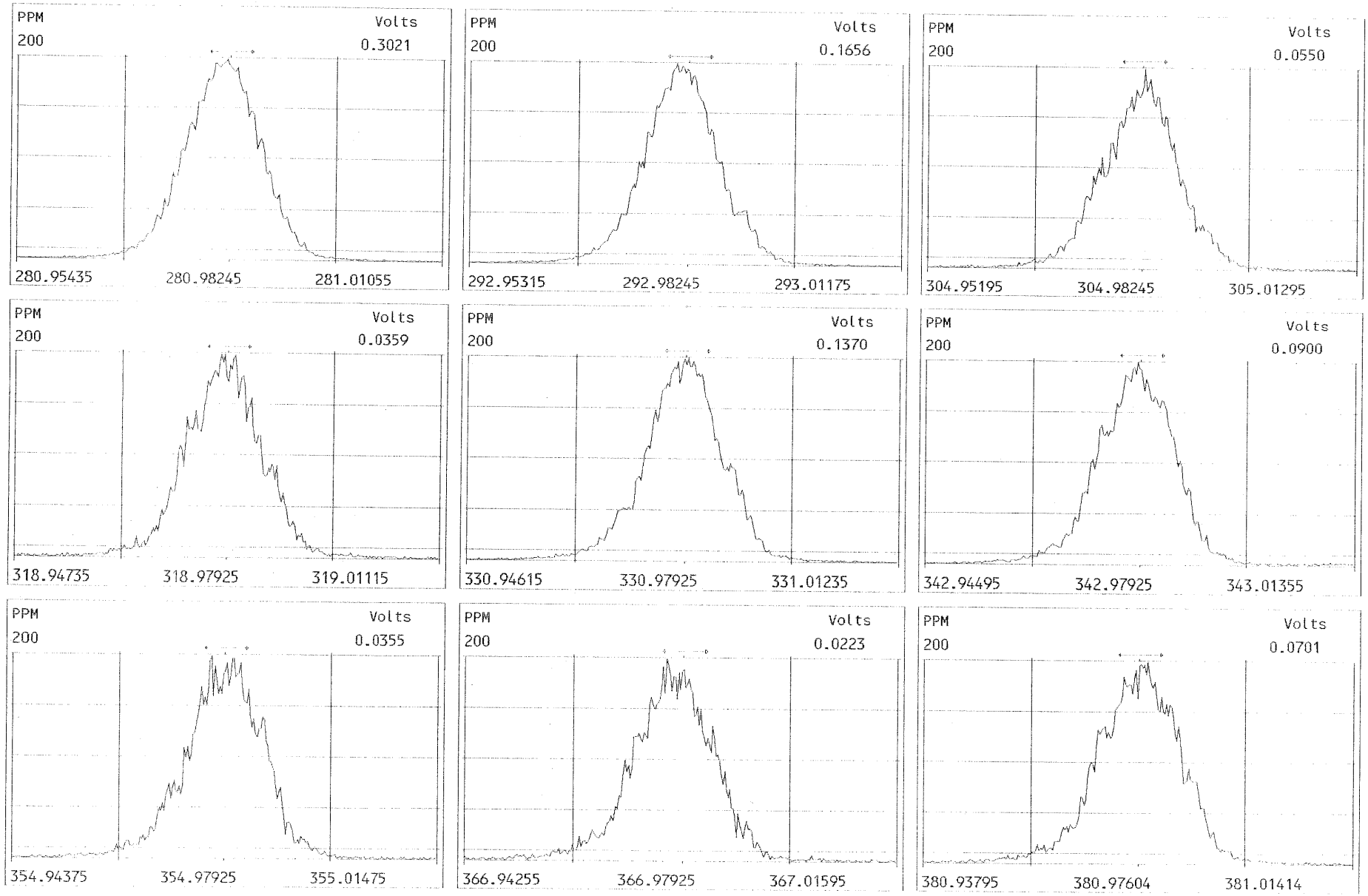




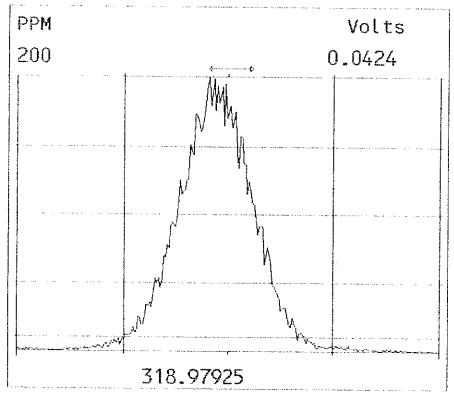


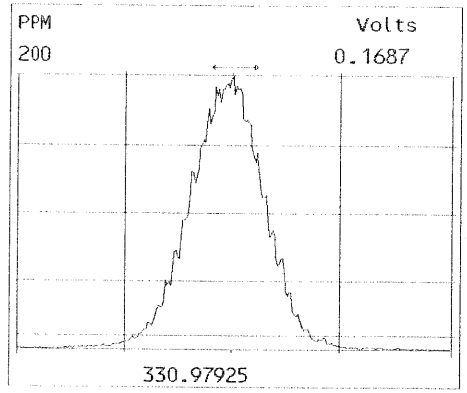


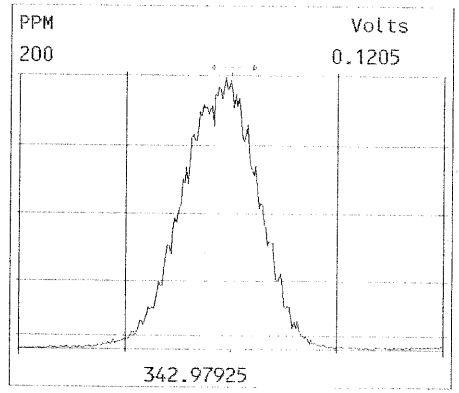
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

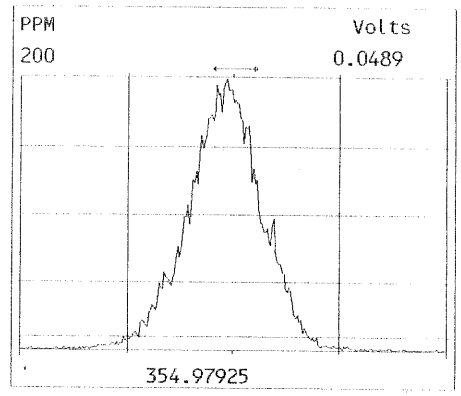


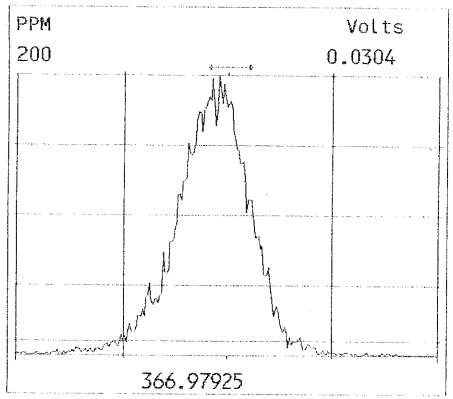
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

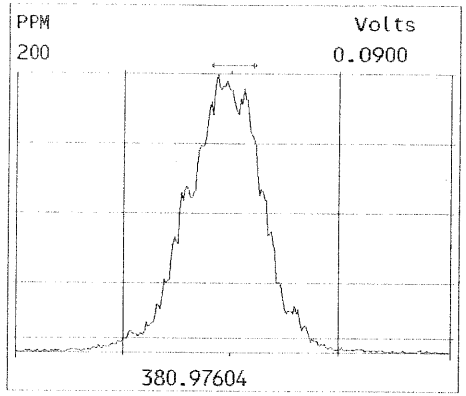


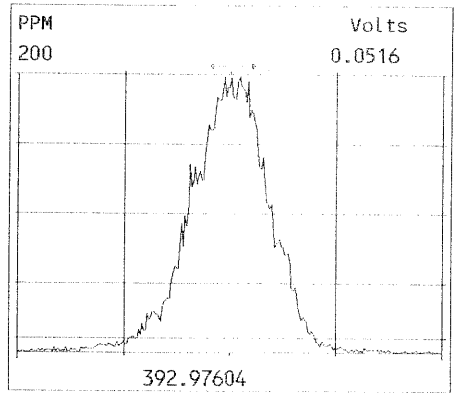


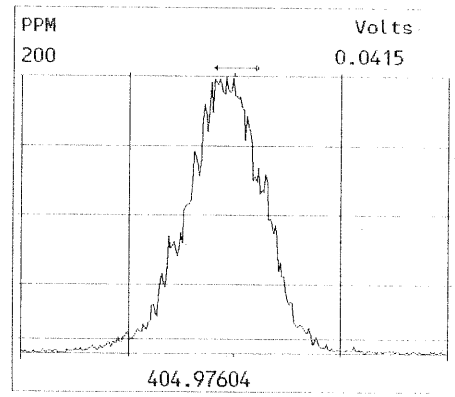


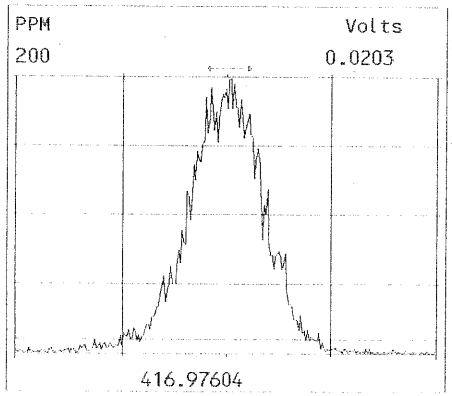


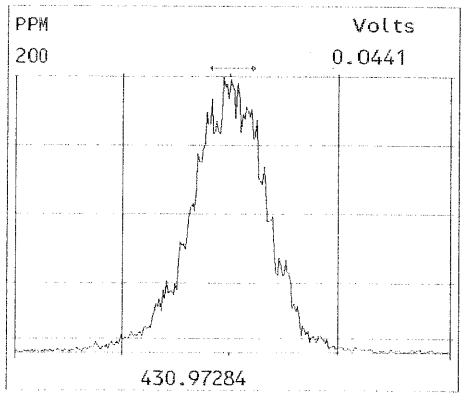


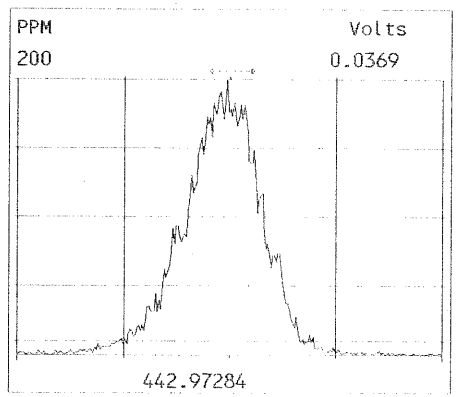




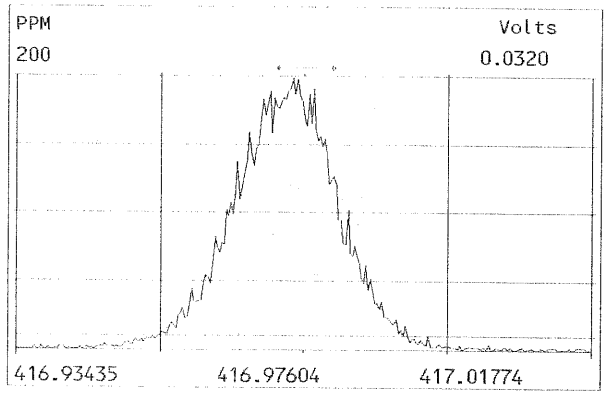


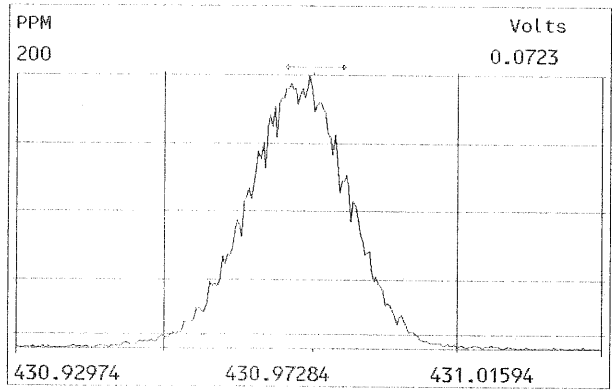


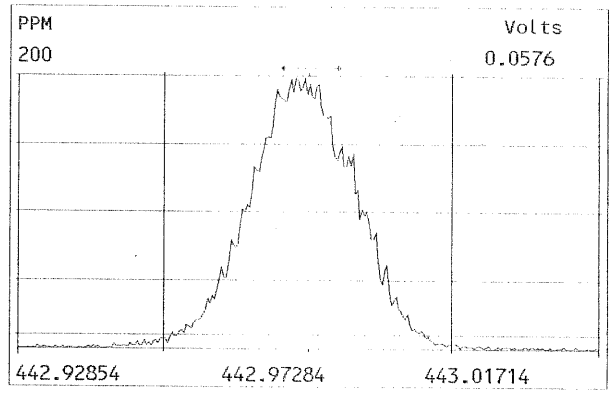


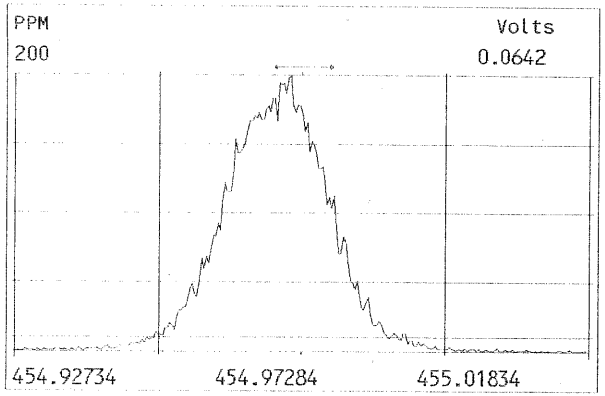


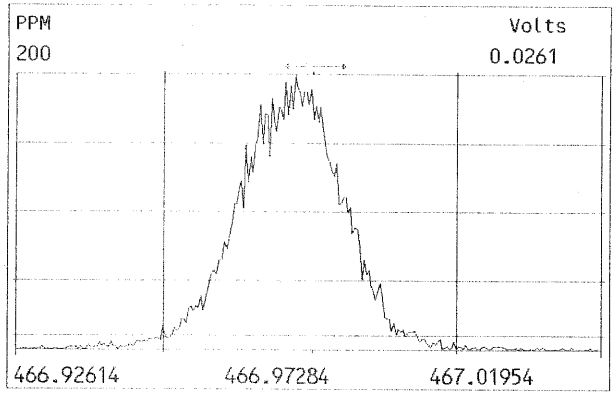
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:6 Reference:PFK

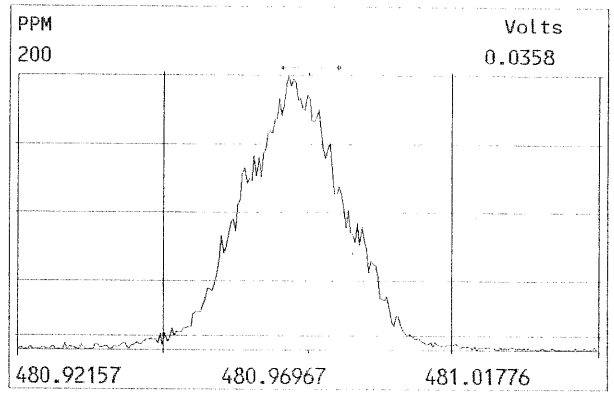


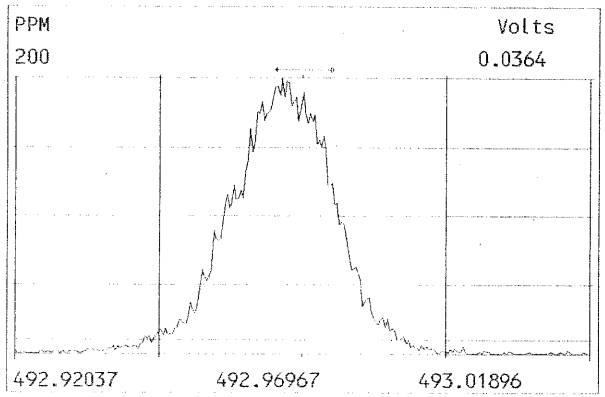


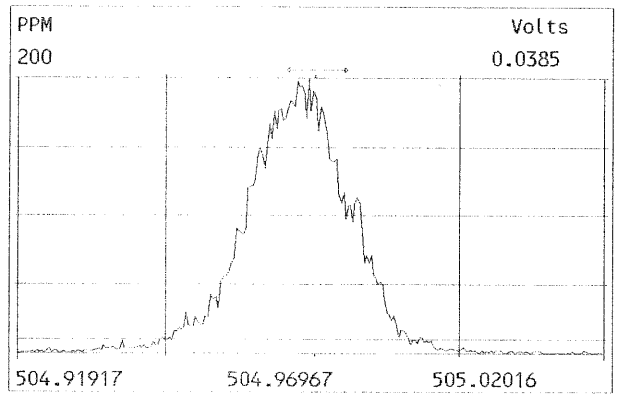


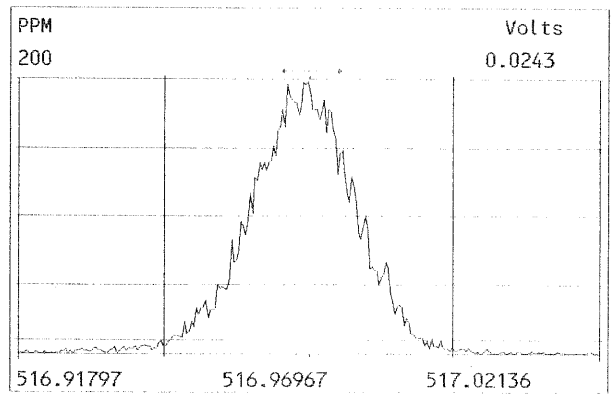




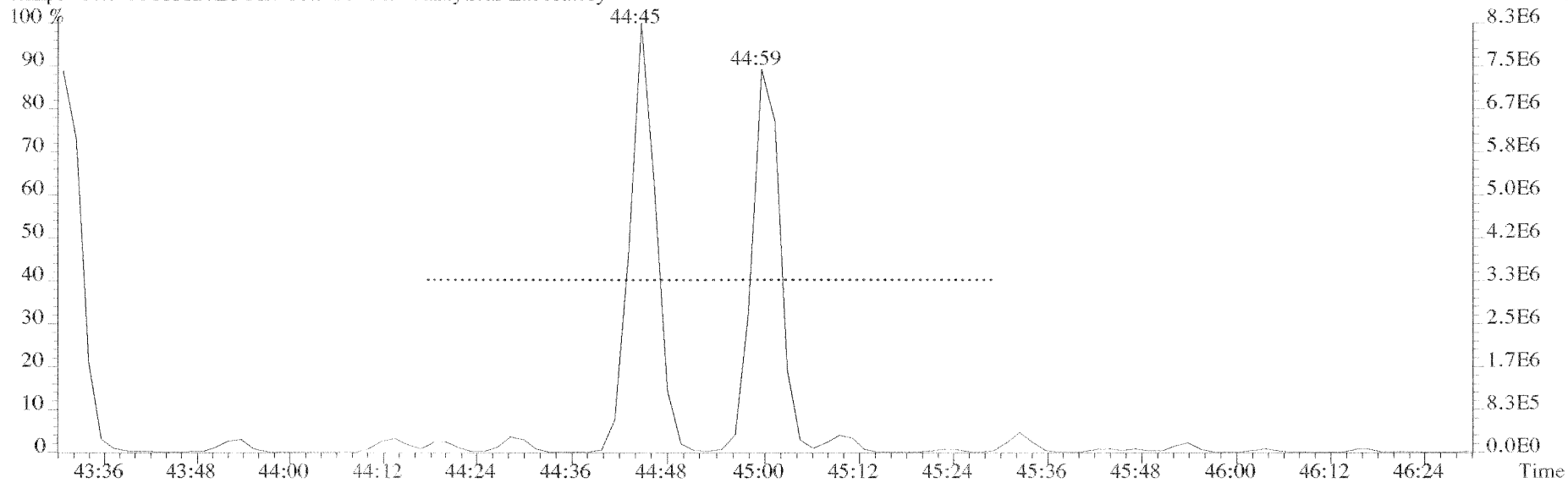




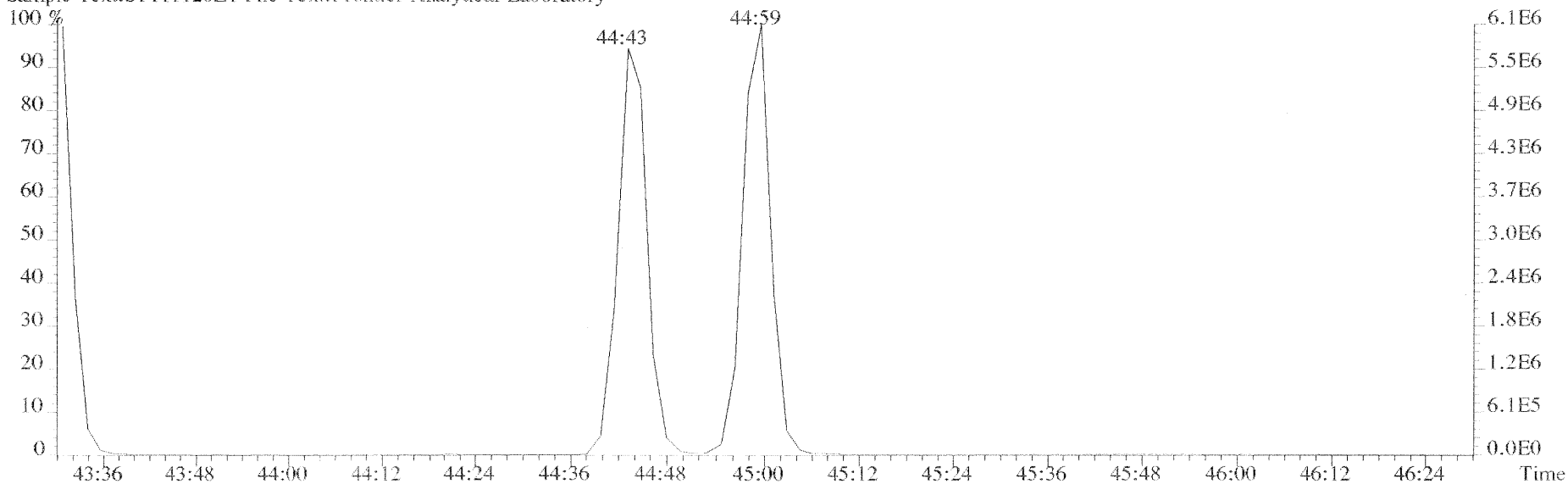




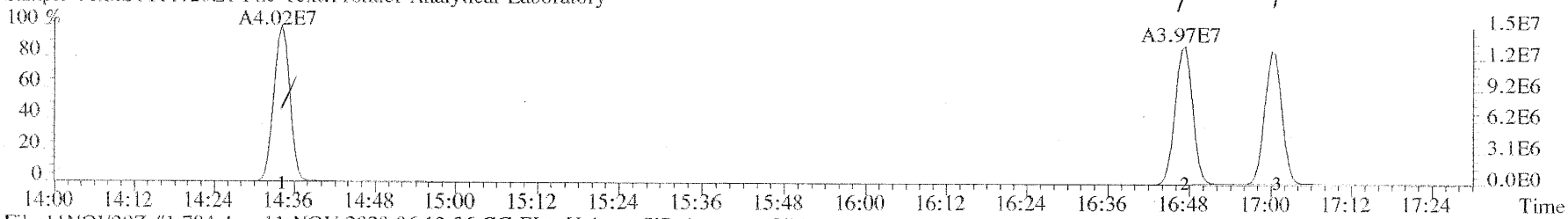
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



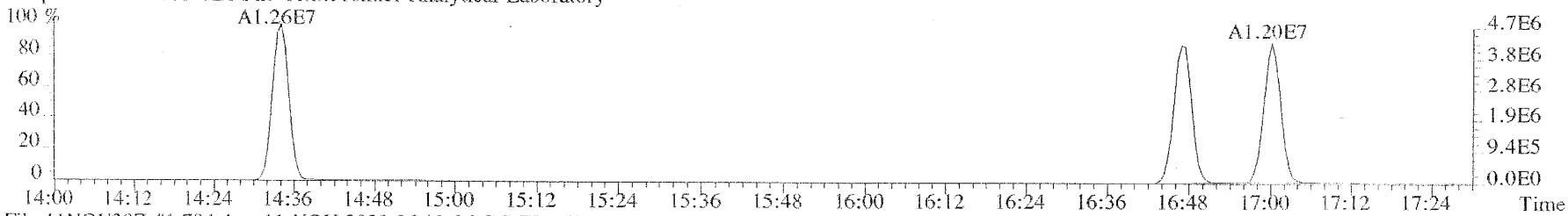
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



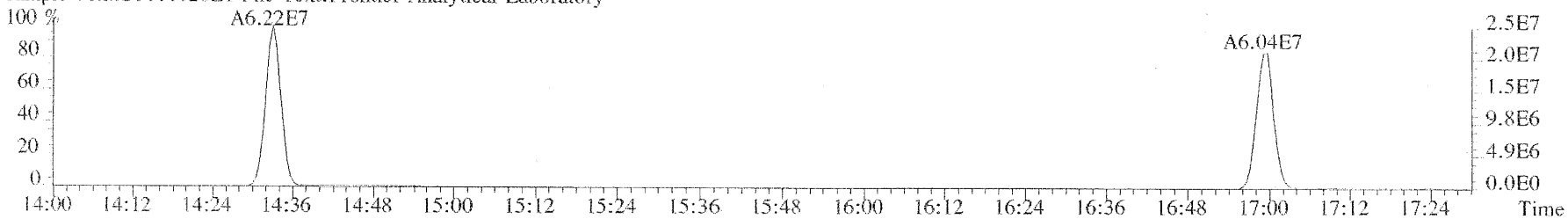
File:11NOV20Z #1-784 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



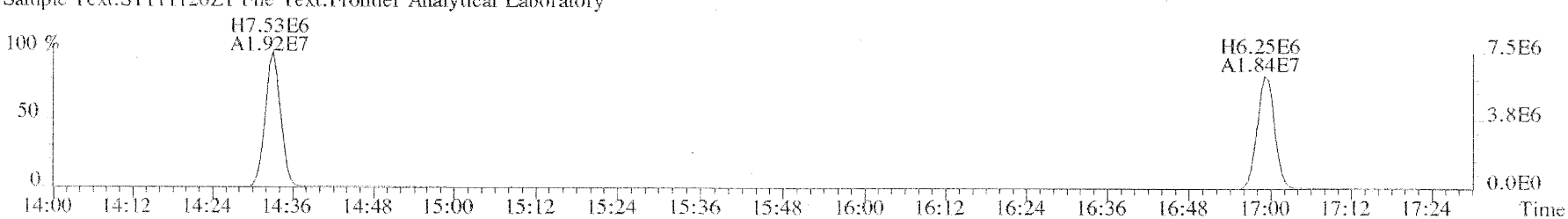
File:11NOV20Z #1-784 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



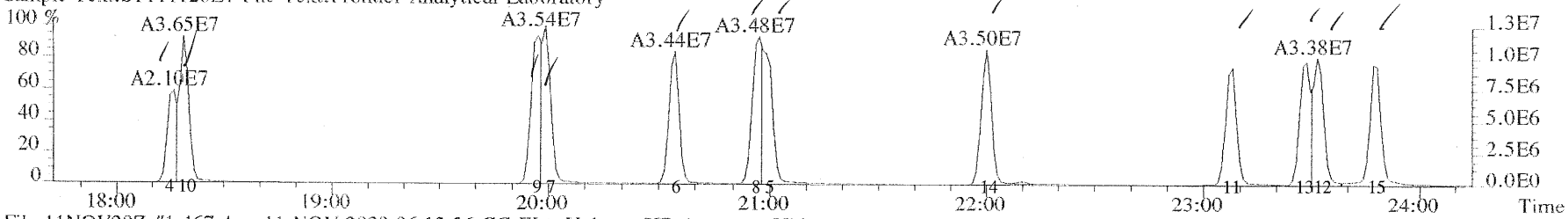
File:11NOV20Z #1-784 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



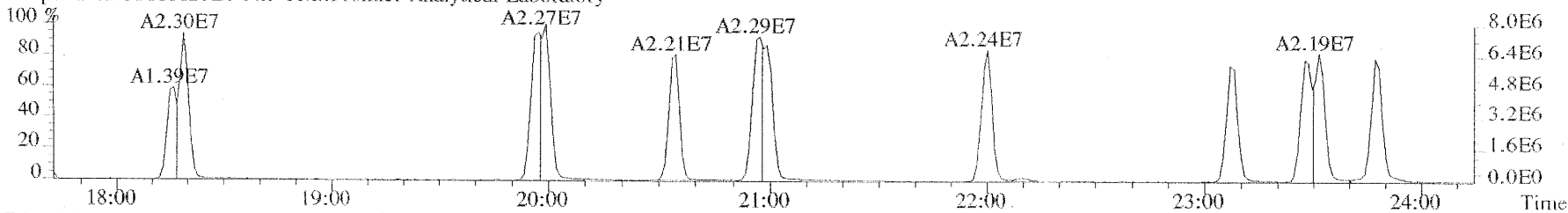
File:11NOV20Z #1-784 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



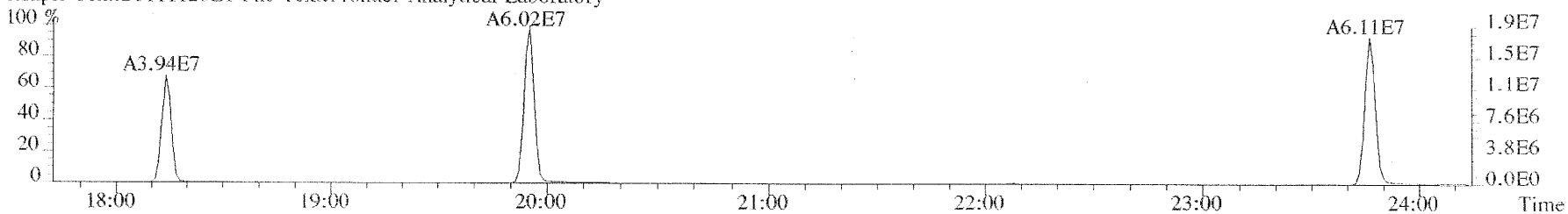
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



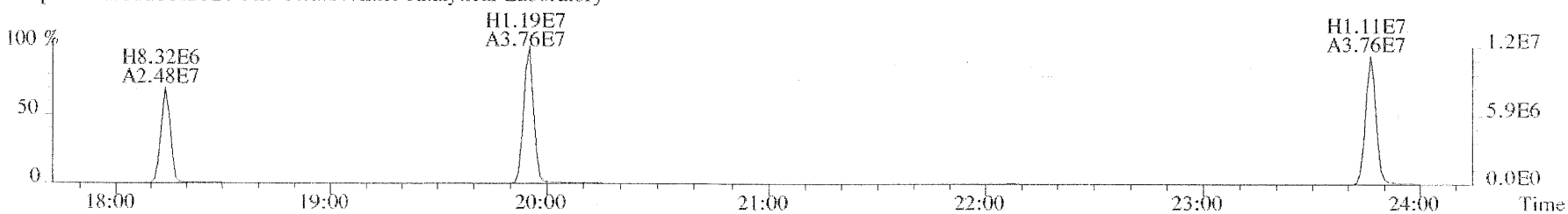
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



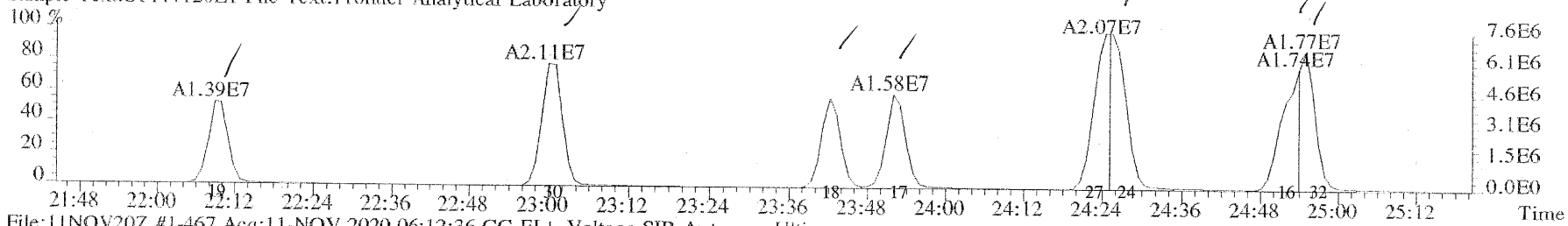
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



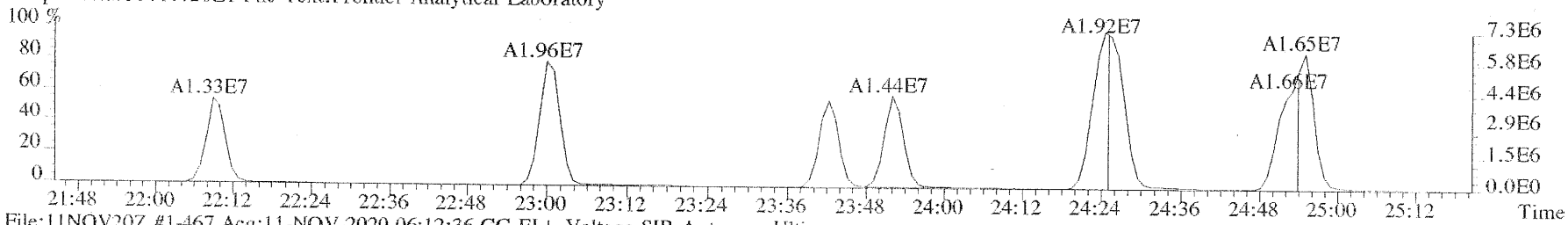
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



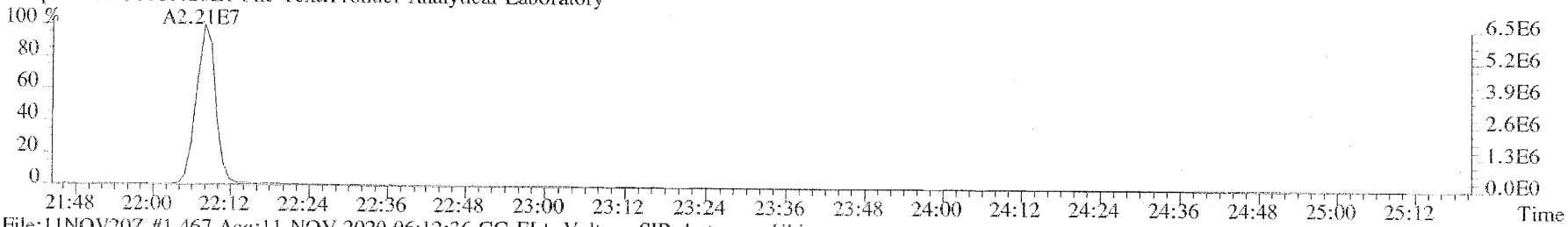
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



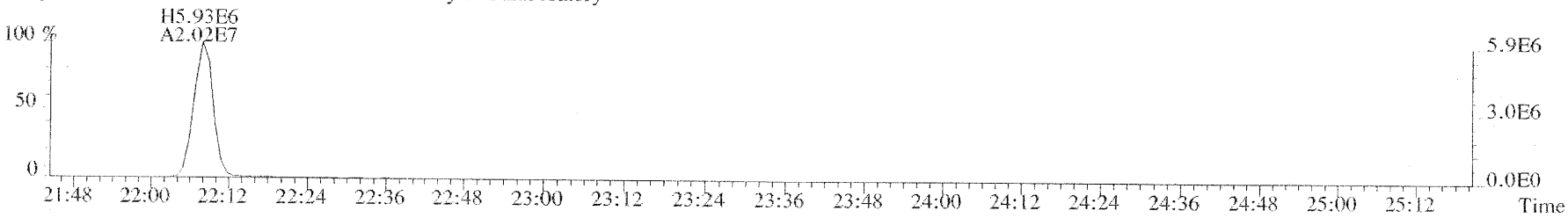
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



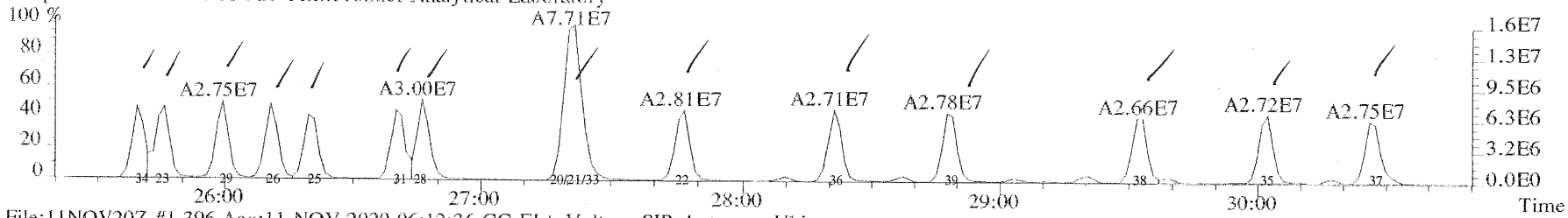
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



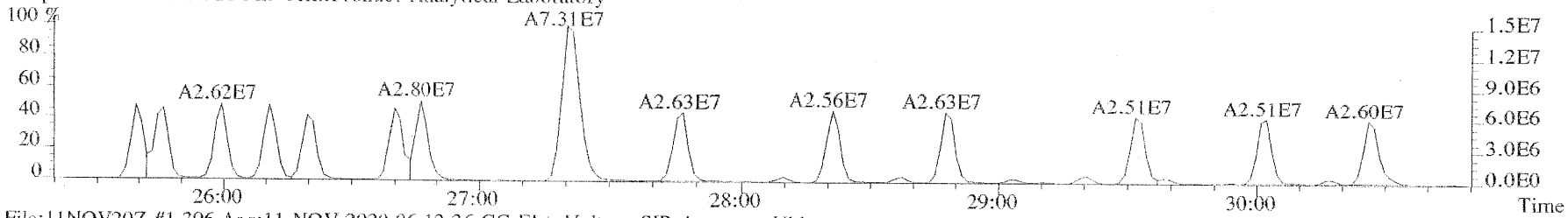
File:11NOV20Z #1-467 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



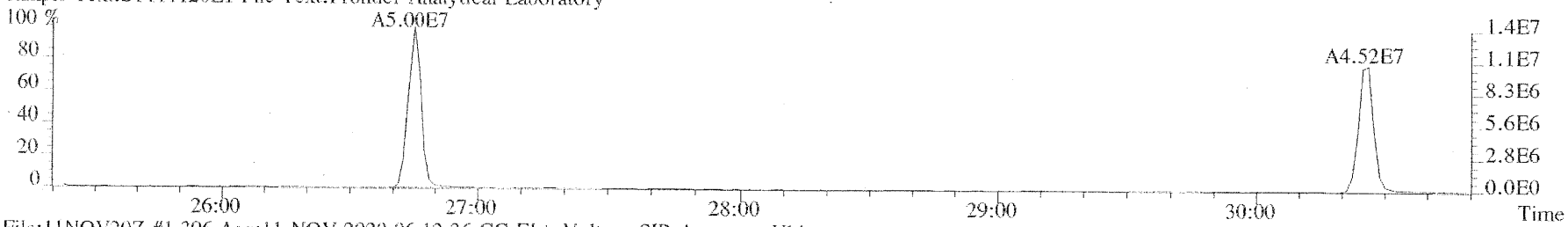
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



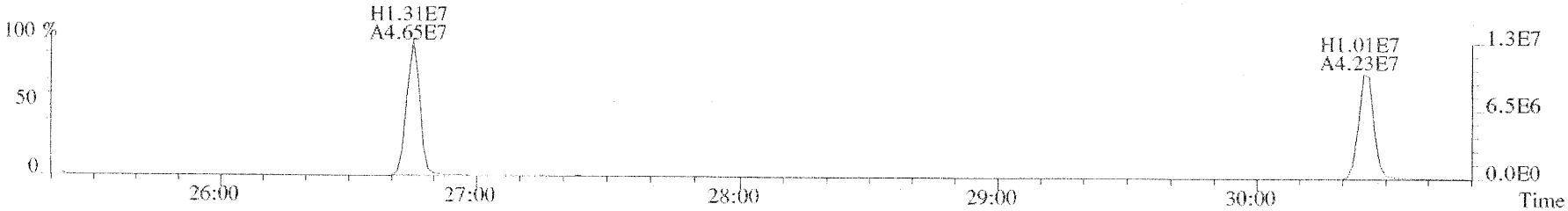
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



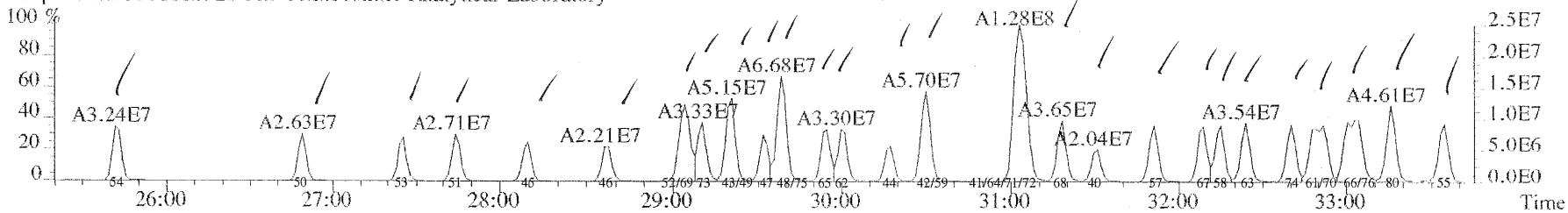
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



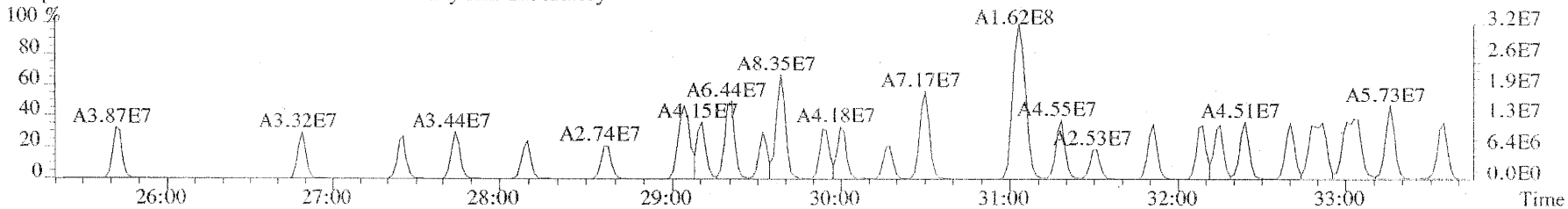
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



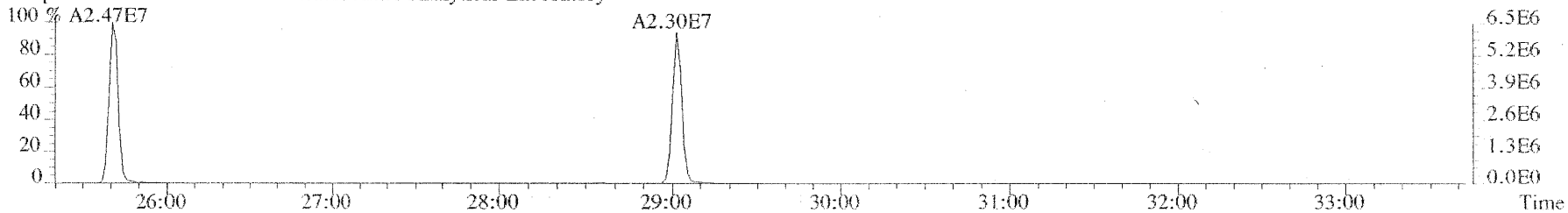
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



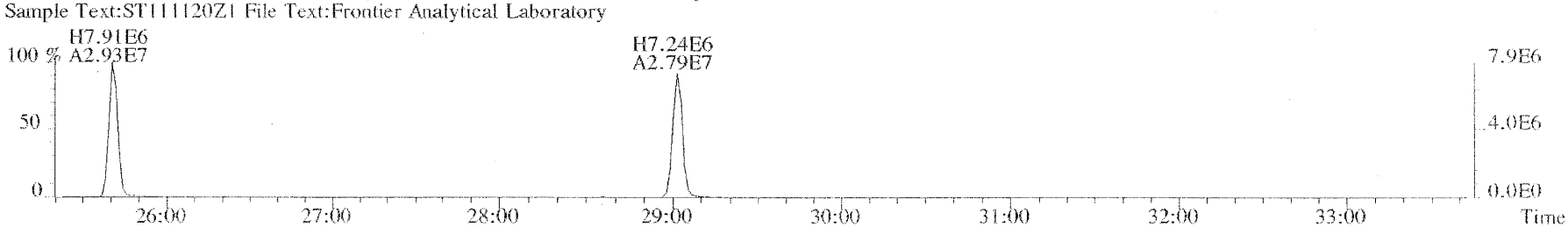
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



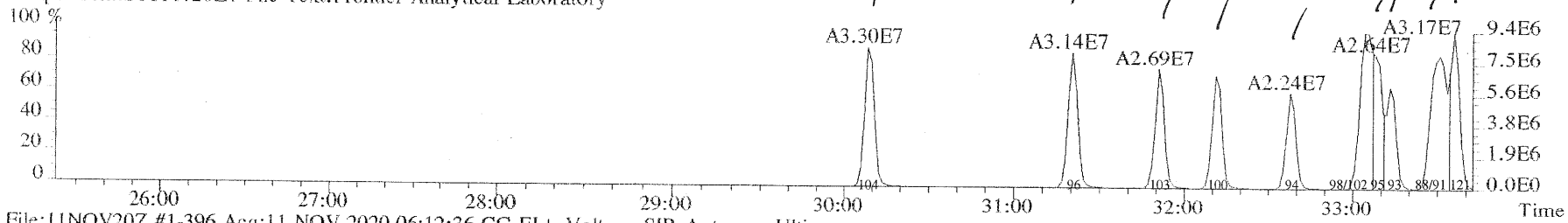
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



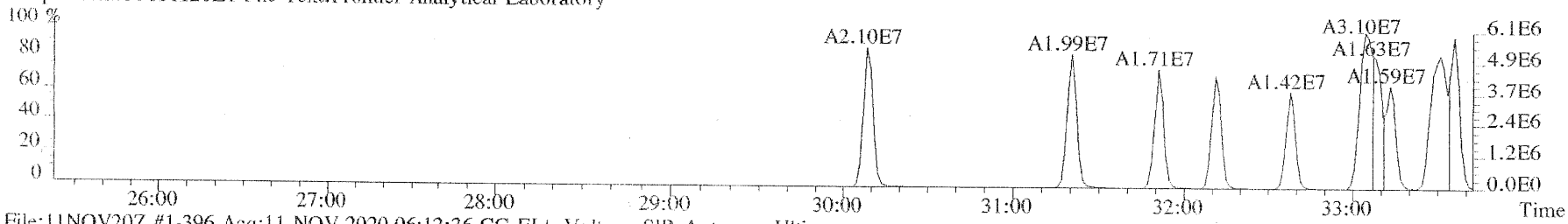
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



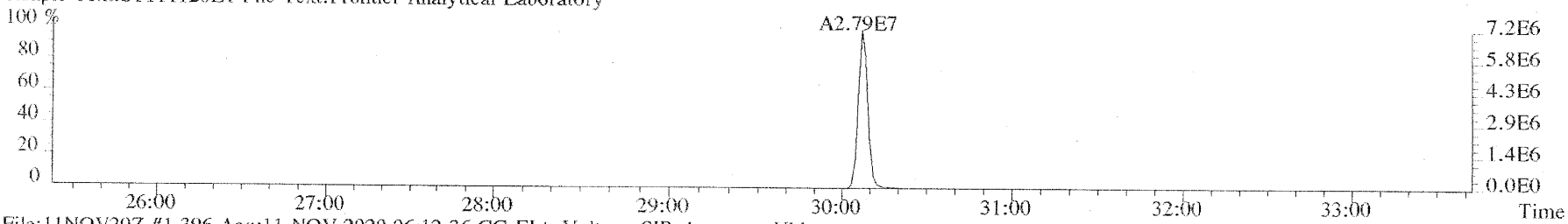
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



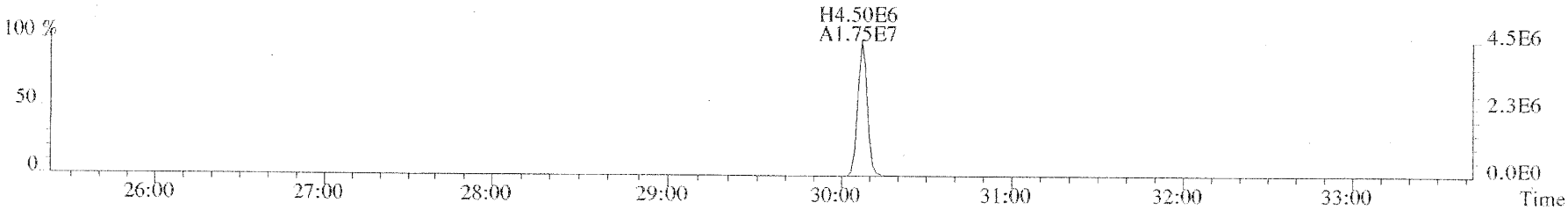
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



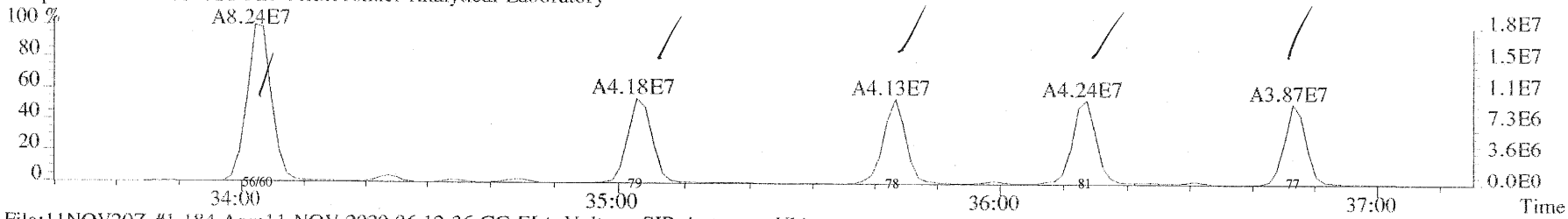
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



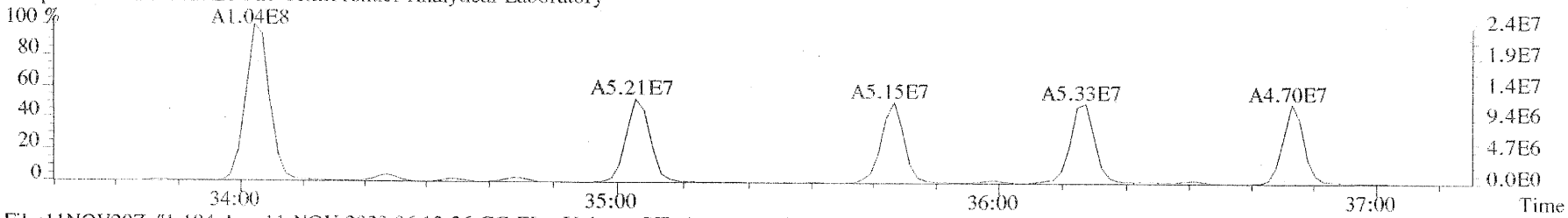
File:11NOV20Z #1-396 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



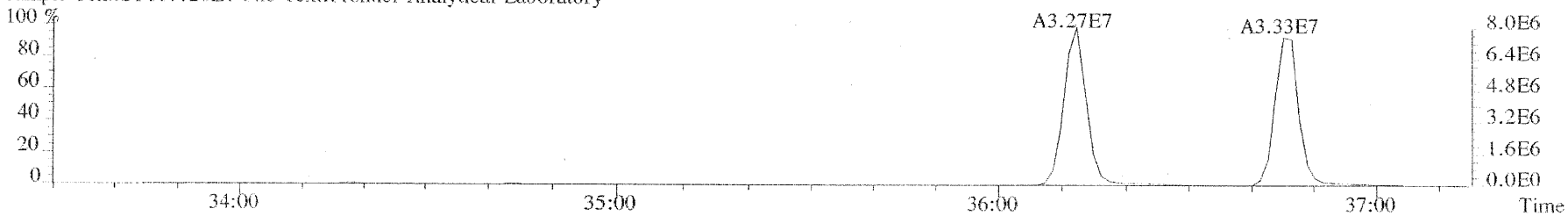
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



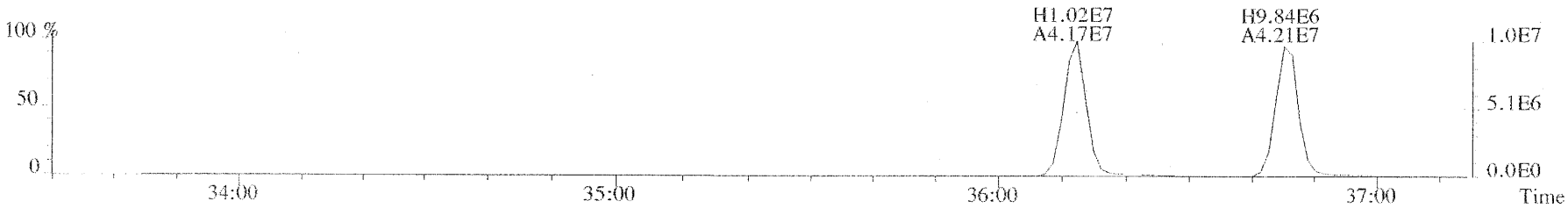
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



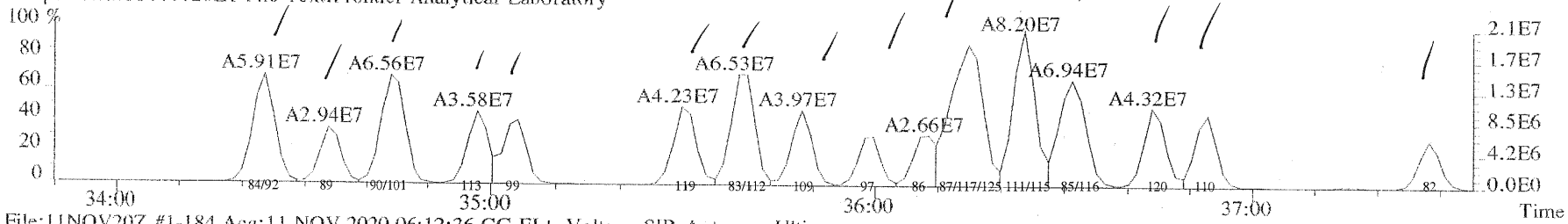
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



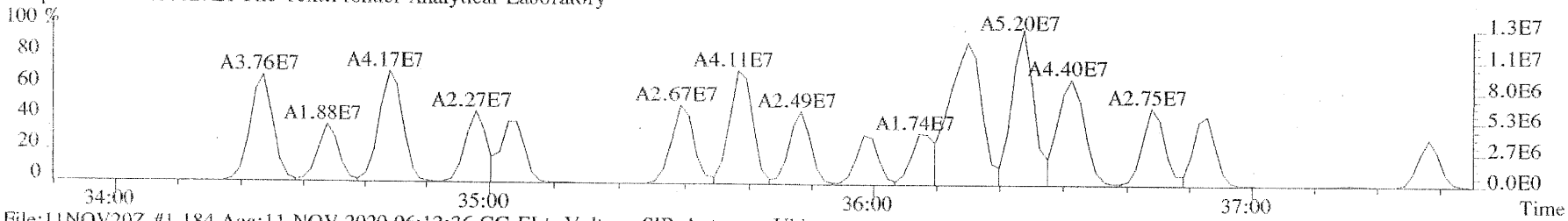
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



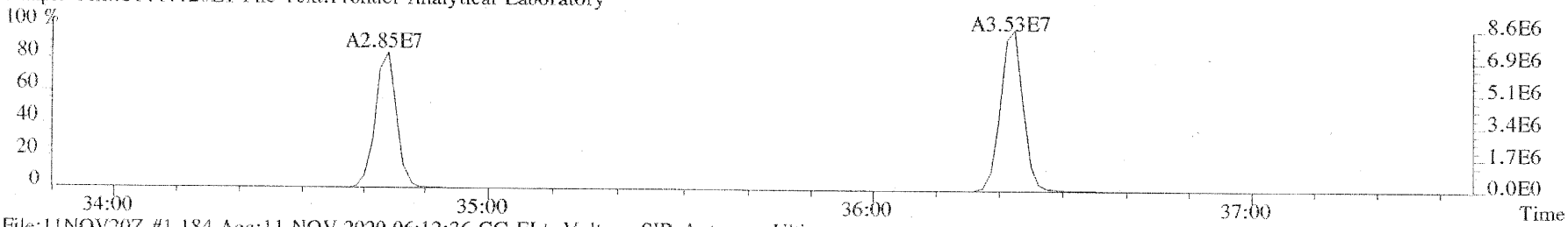
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



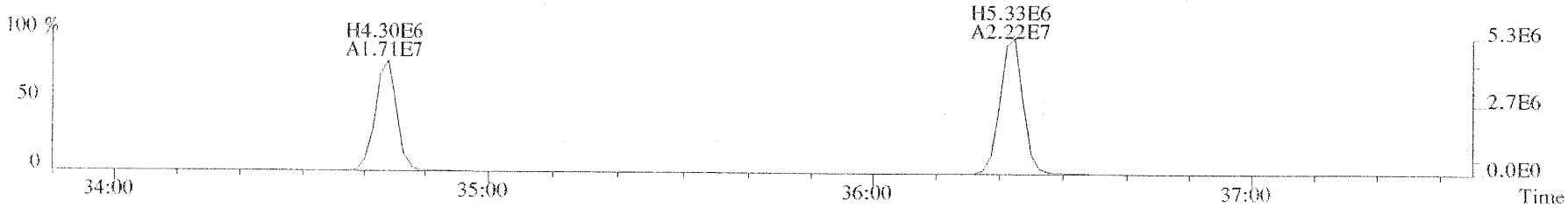
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



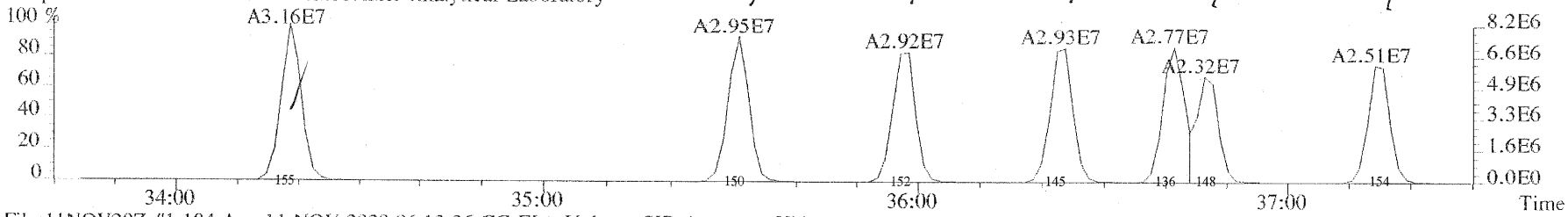
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



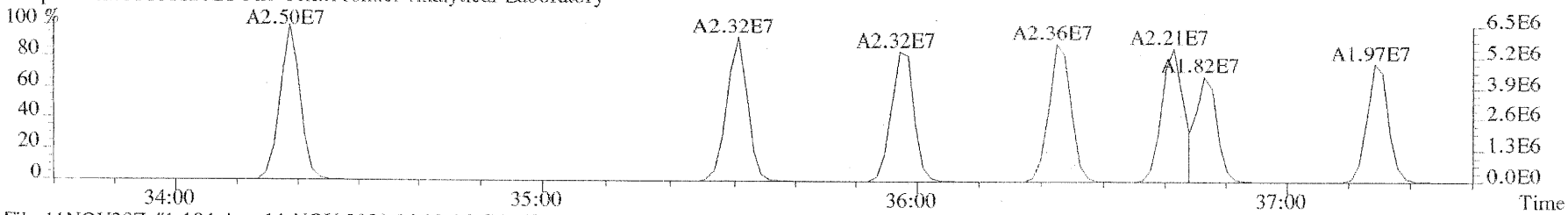
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



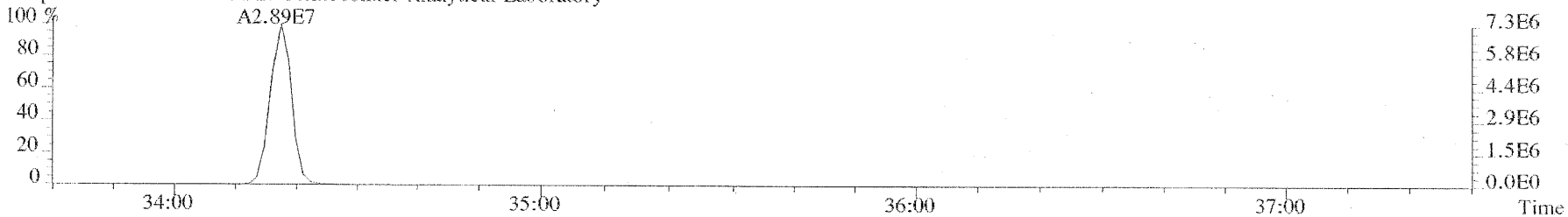
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



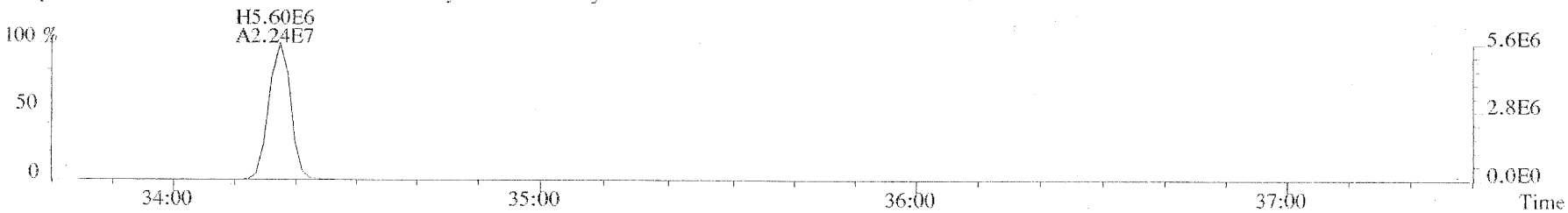
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



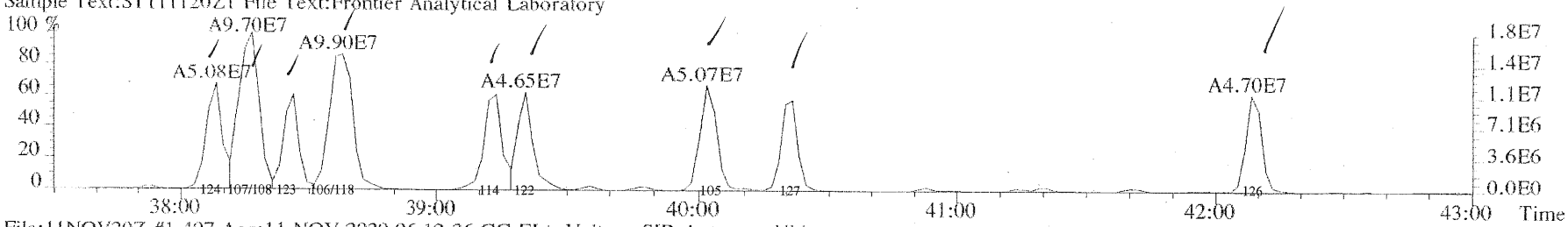
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



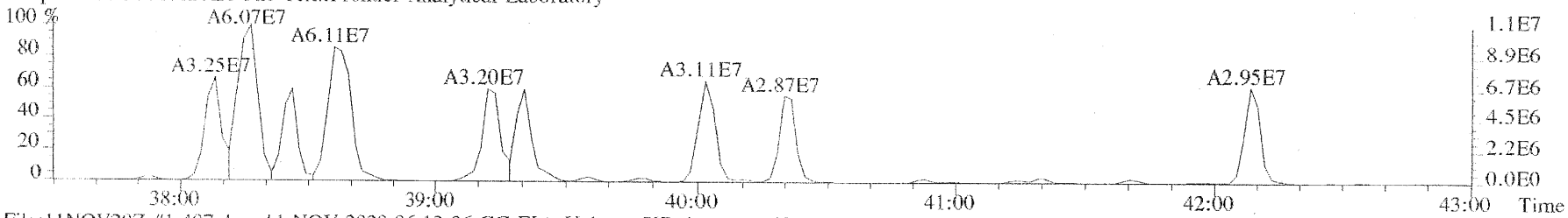
File:11NOV20Z #1-184 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



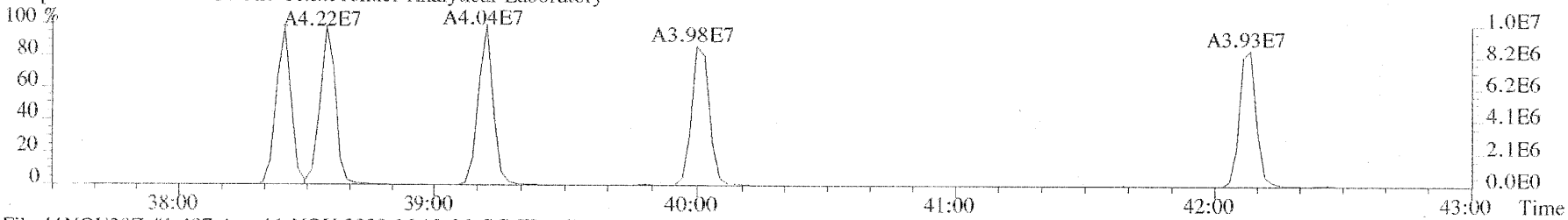
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



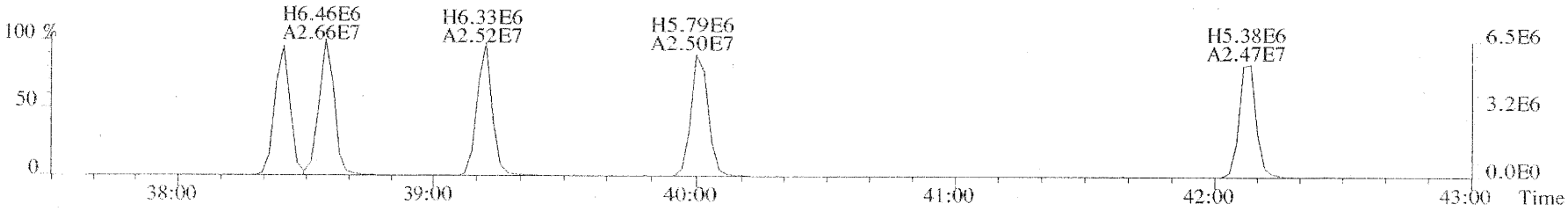
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



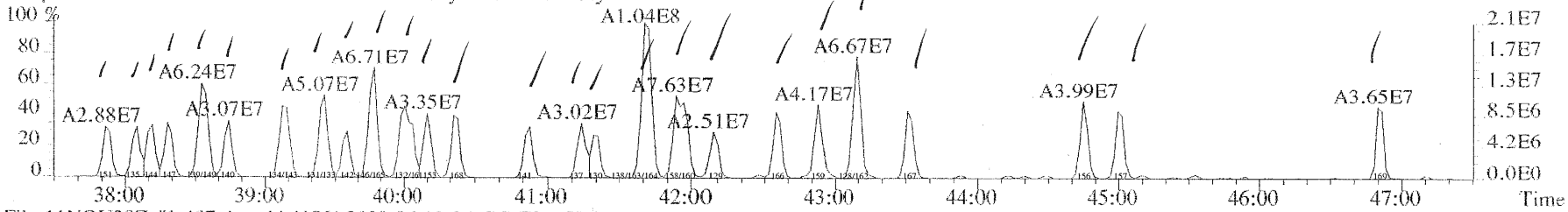
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



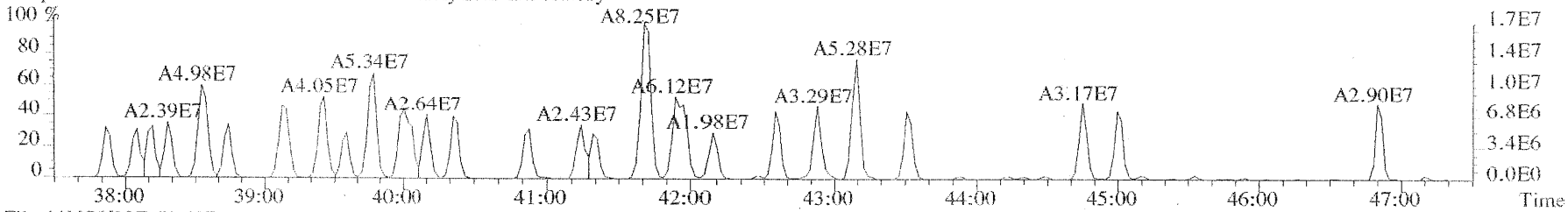
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



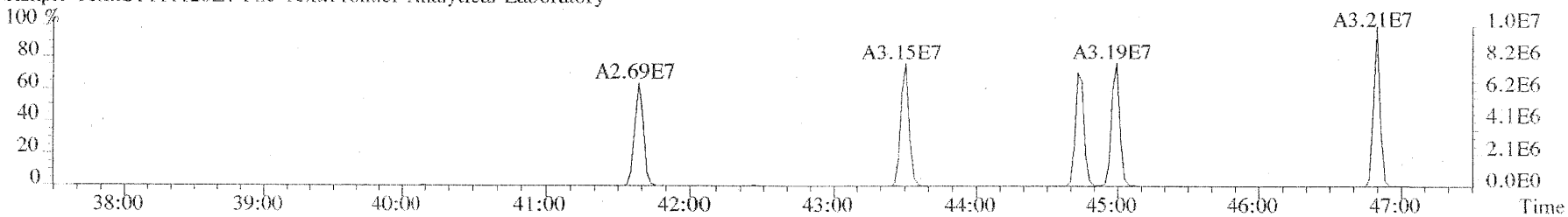
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



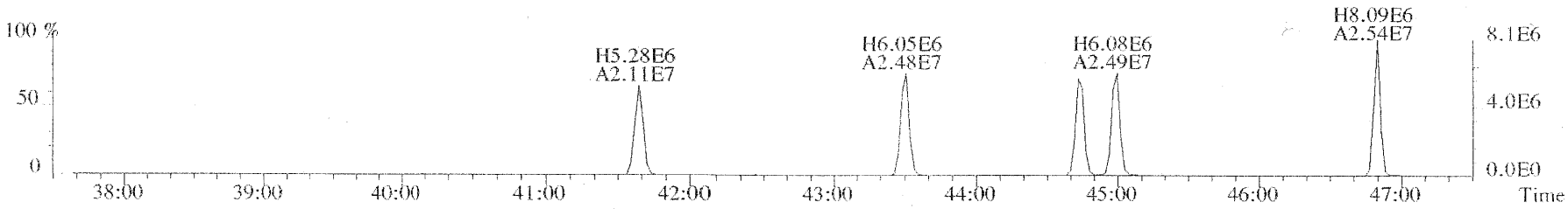
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



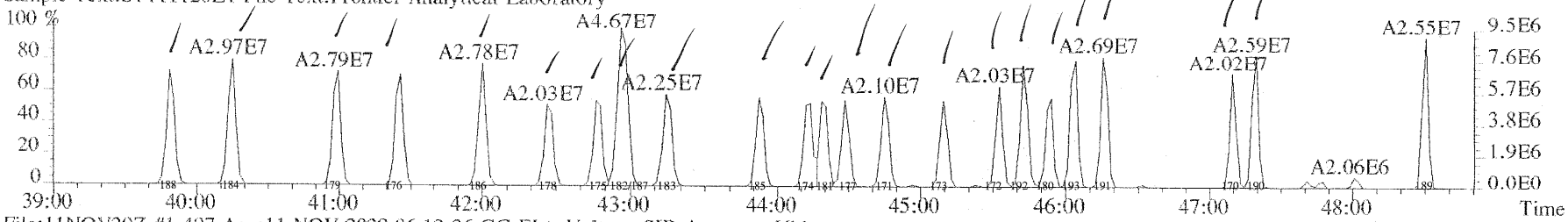
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



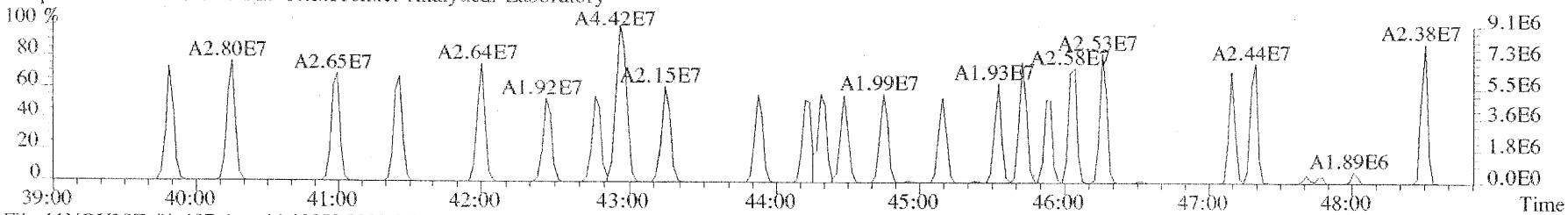
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



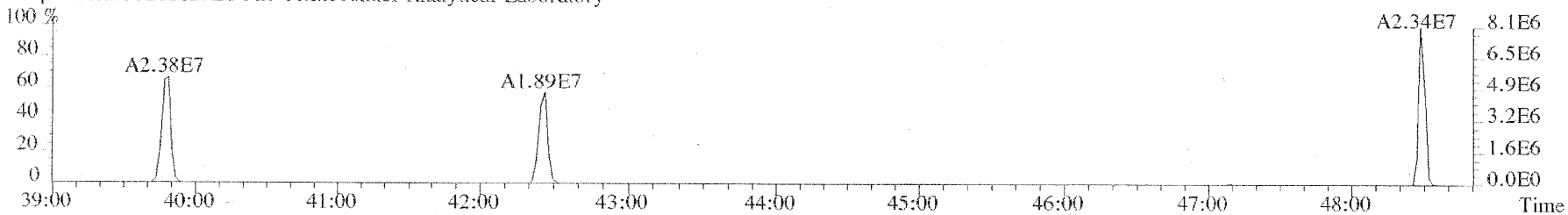
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



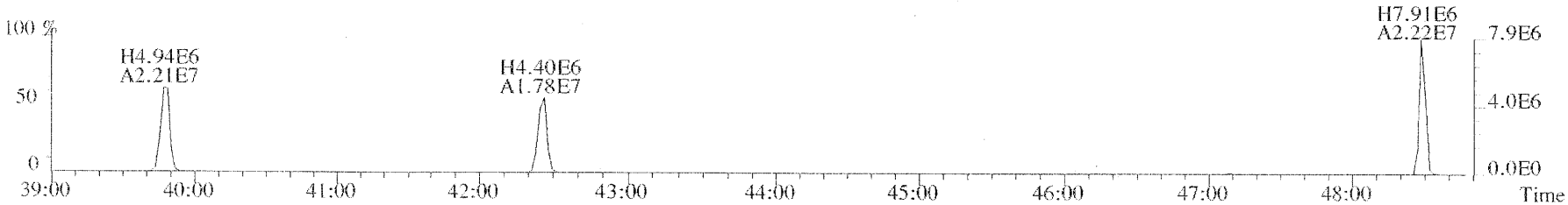
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



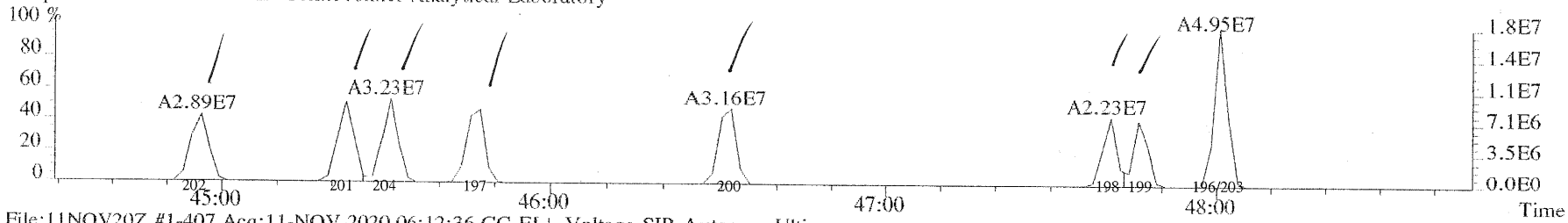
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



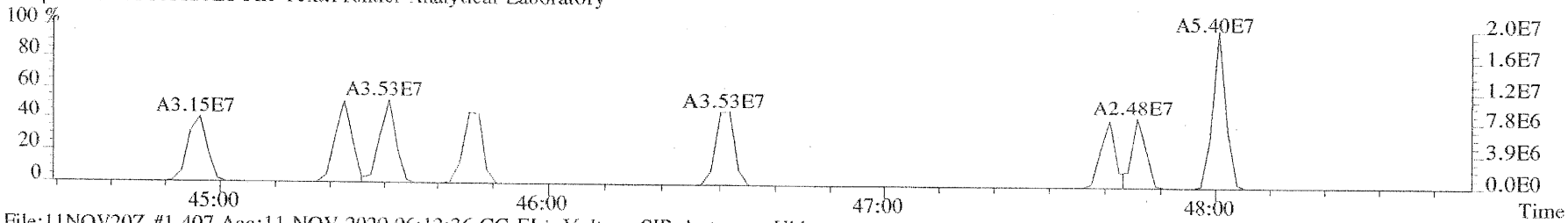
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



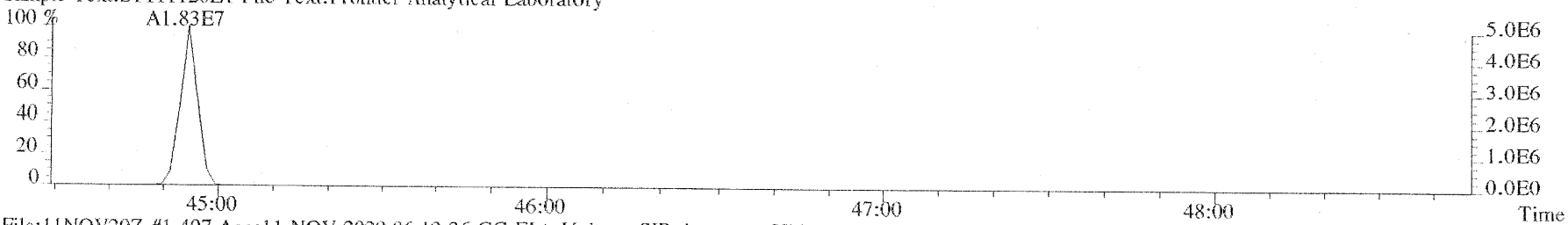
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



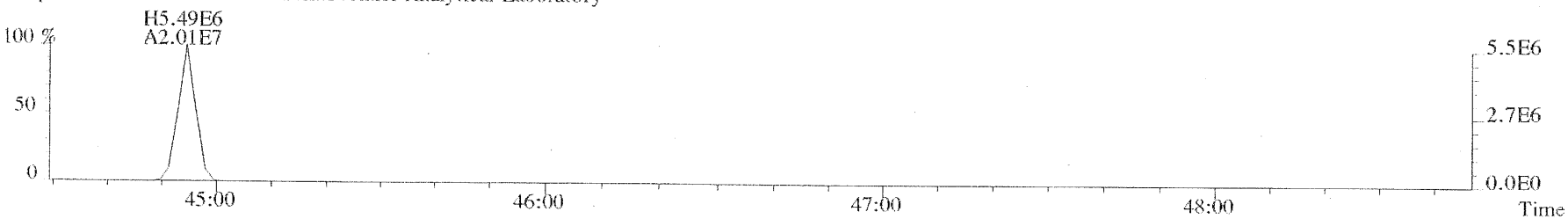
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



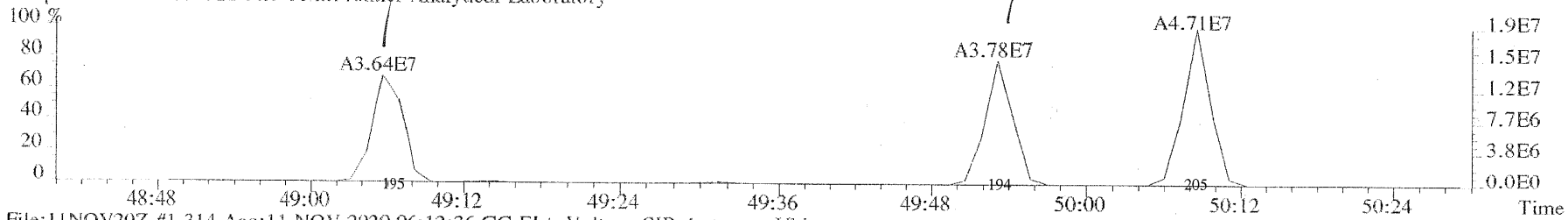
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



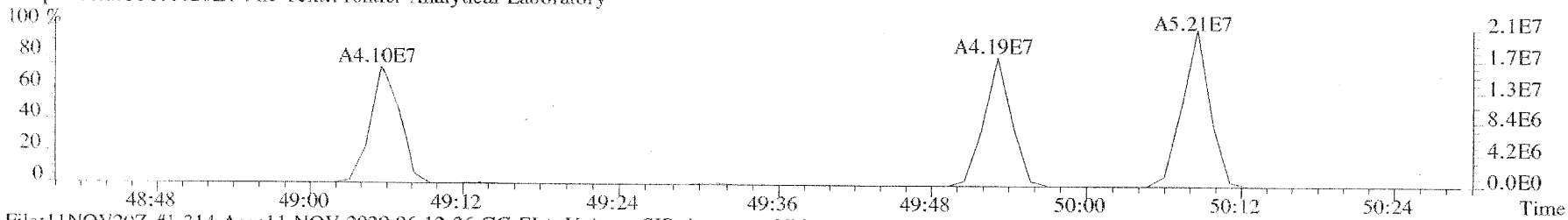
File:11NOV20Z #1-407 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



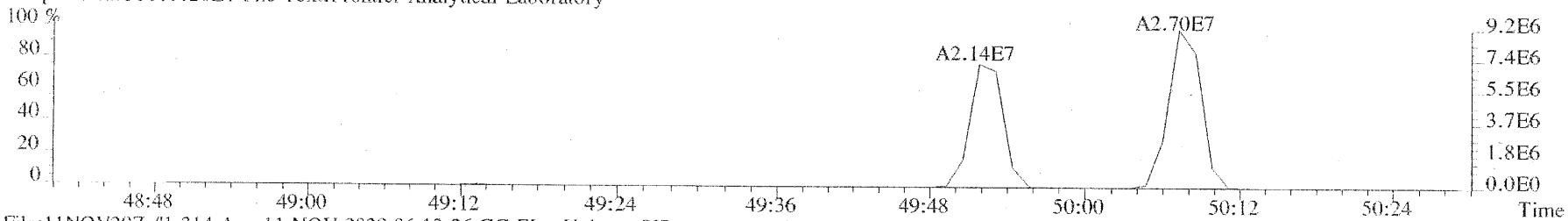
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



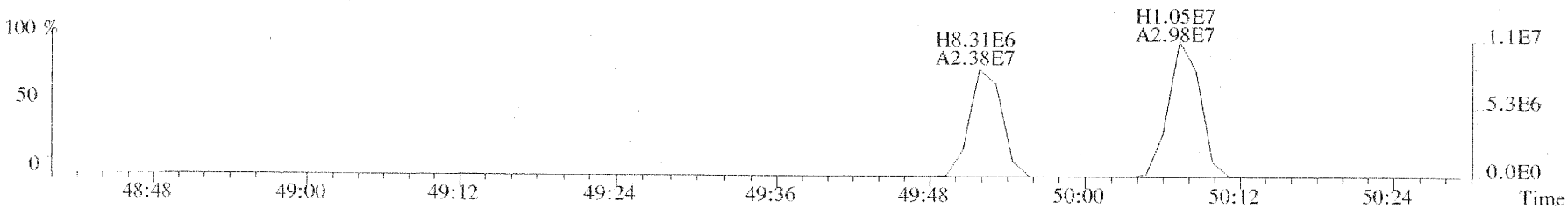
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



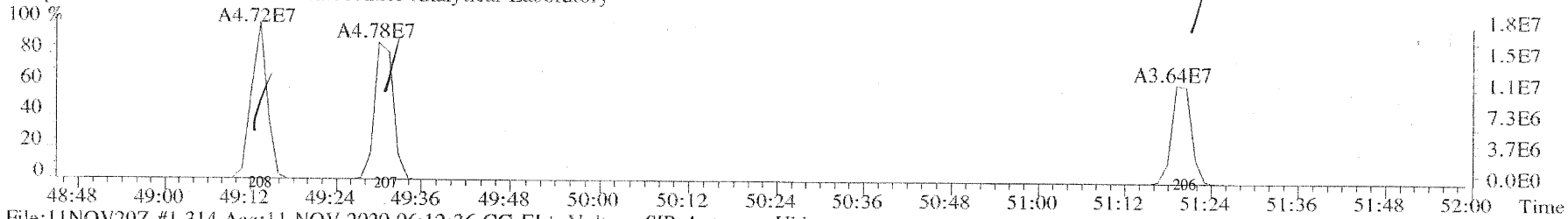
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



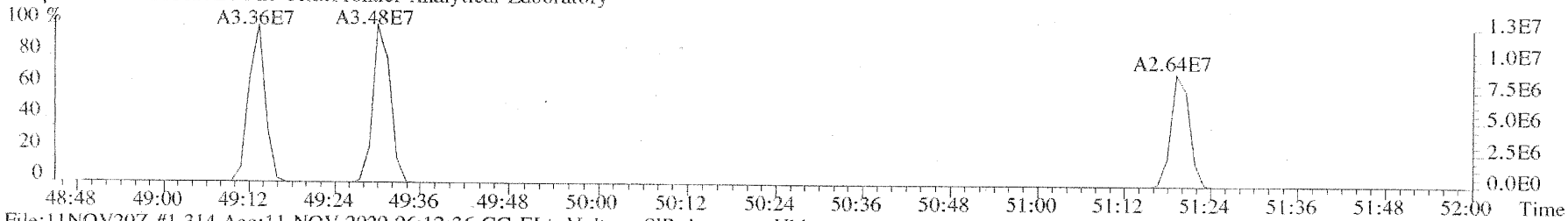
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



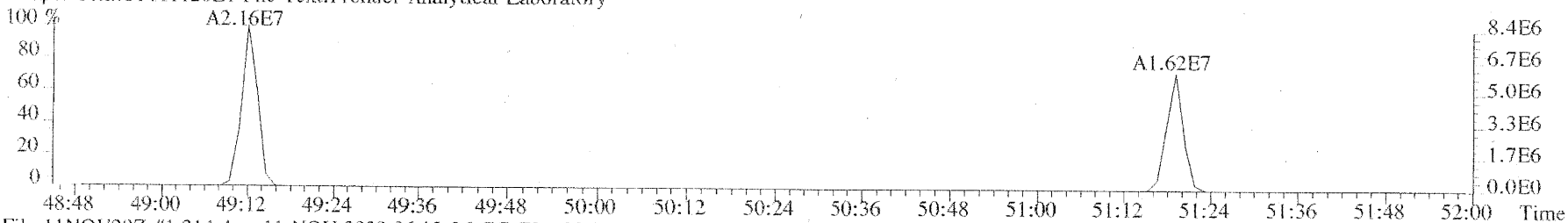
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



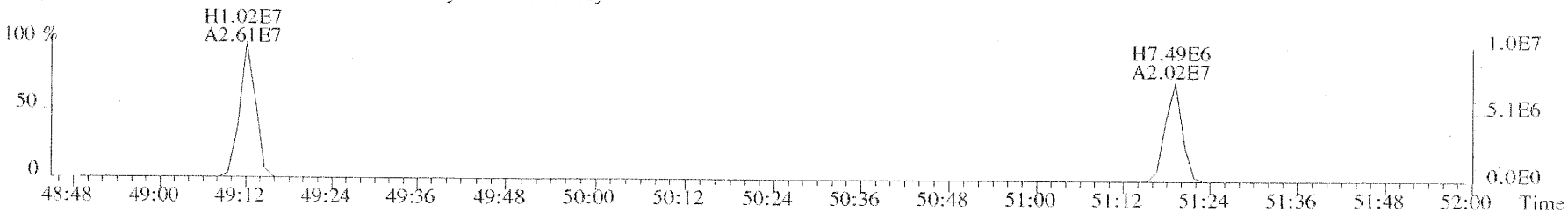
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



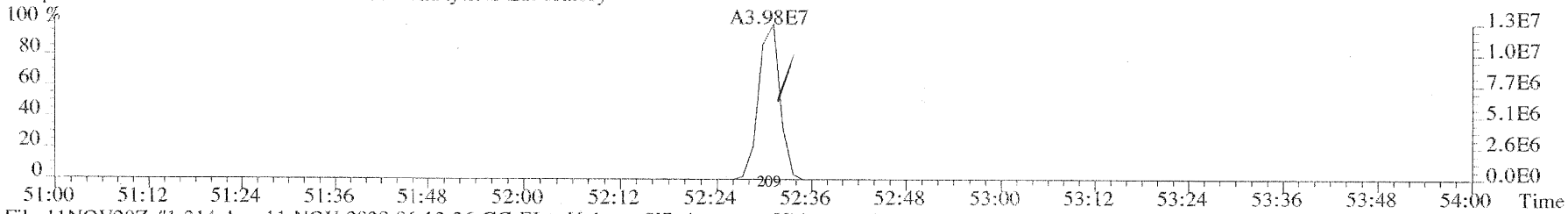
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



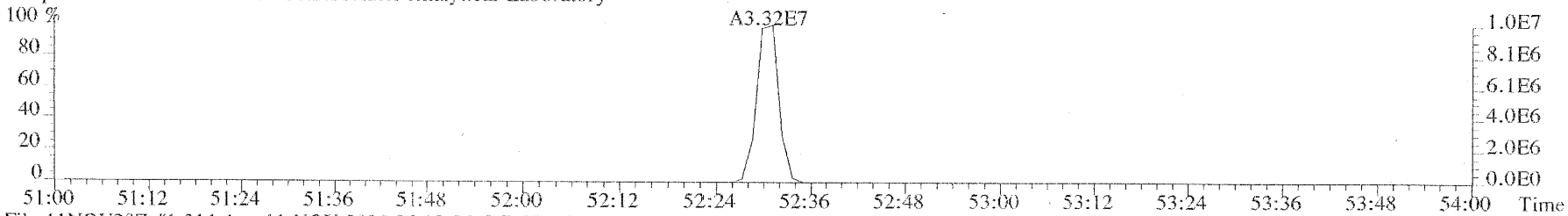
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



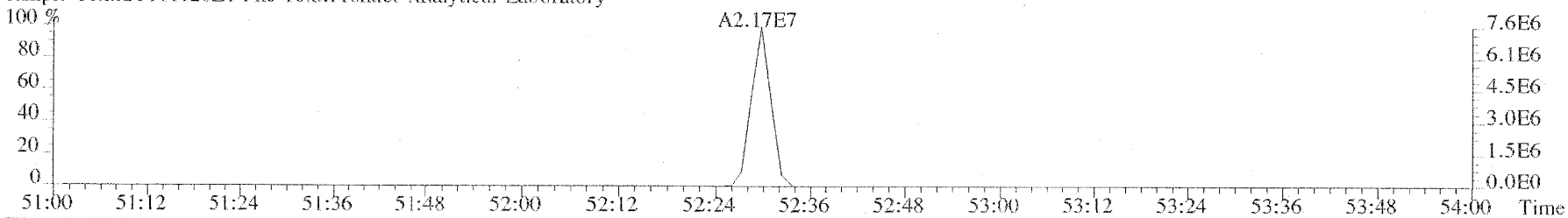
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



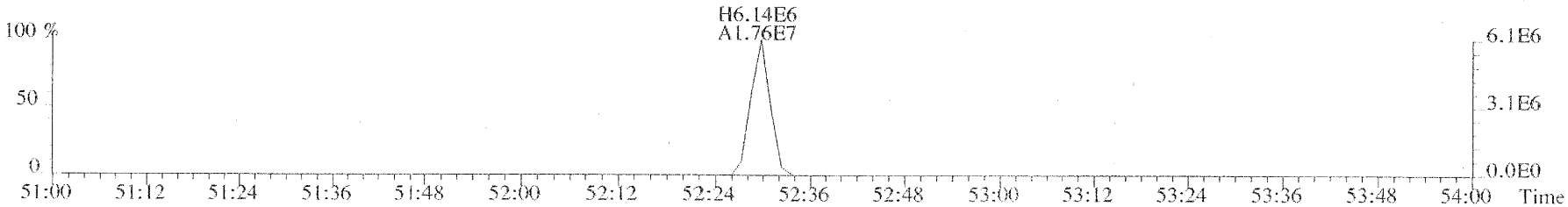
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory



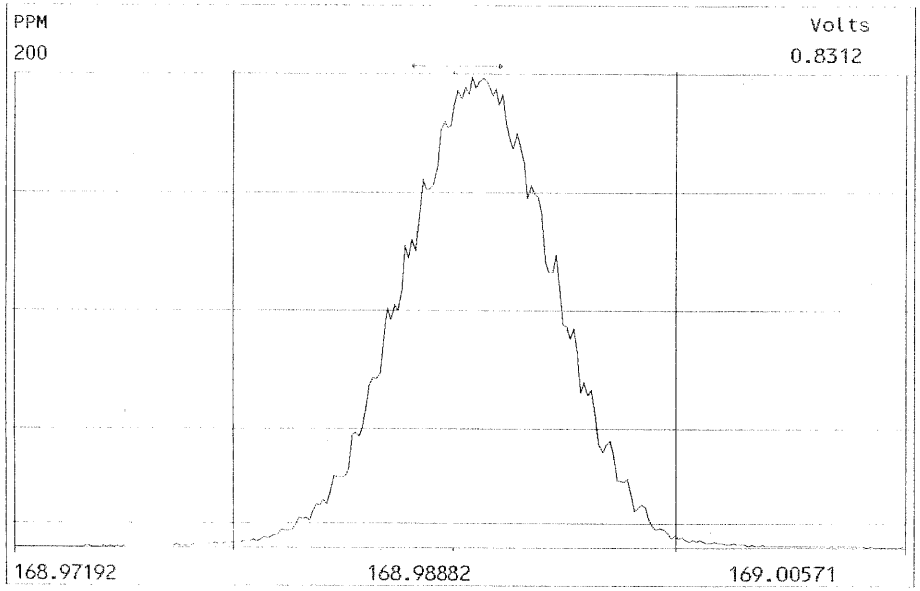
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory

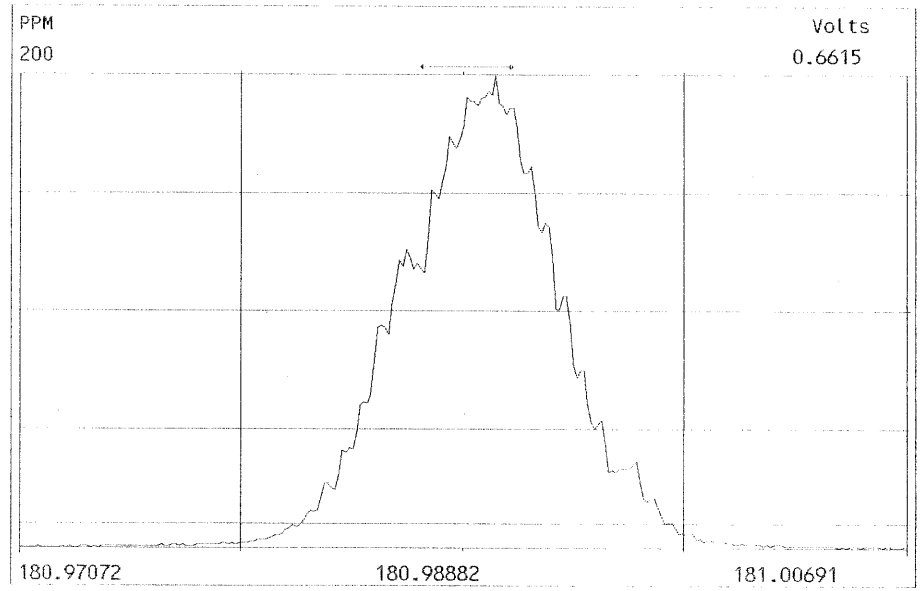


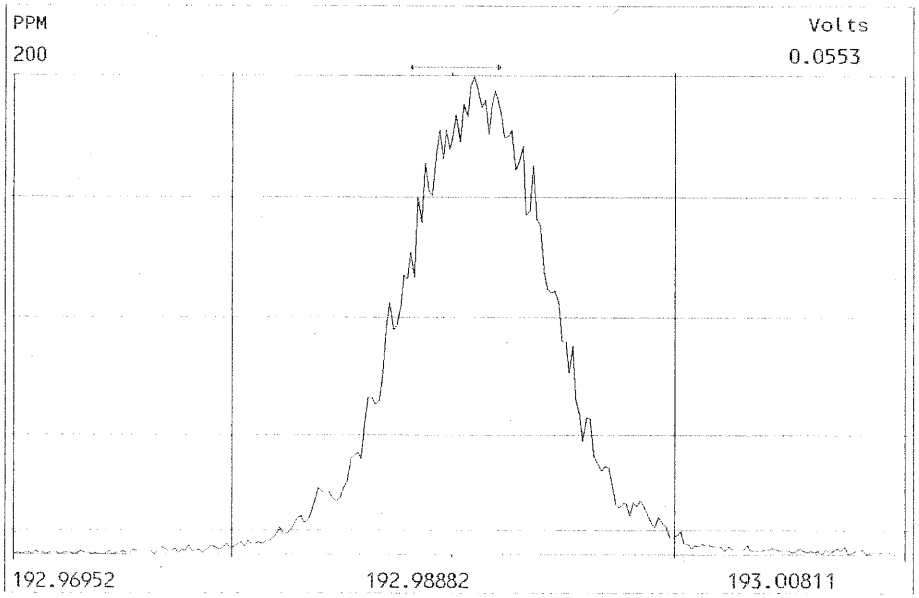
File:11NOV20Z #1-314 Acq:11-NOV-2020 06:12:36 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z1 File Text:Frontier Analytical Laboratory

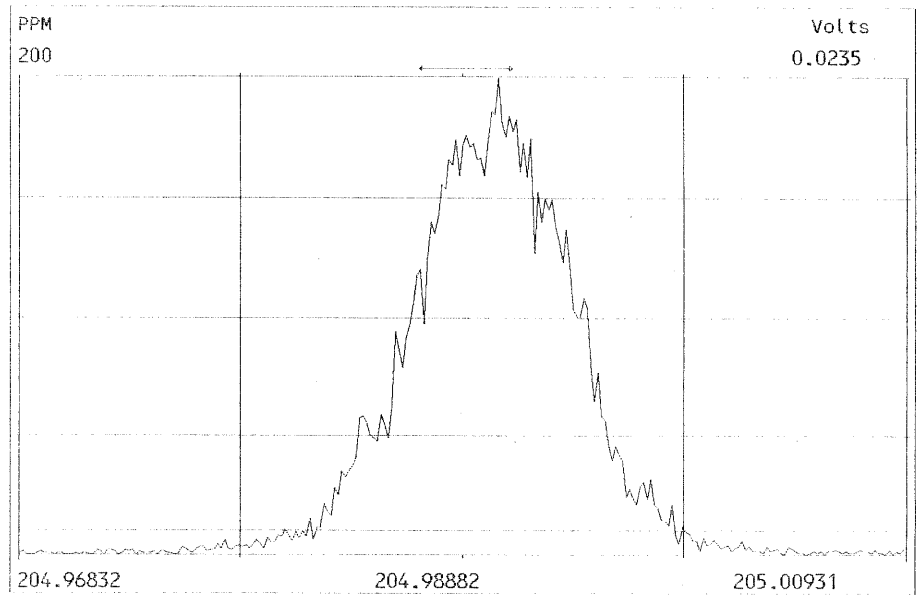


Peak Locate Examination:11-NOV-2020:18:21 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

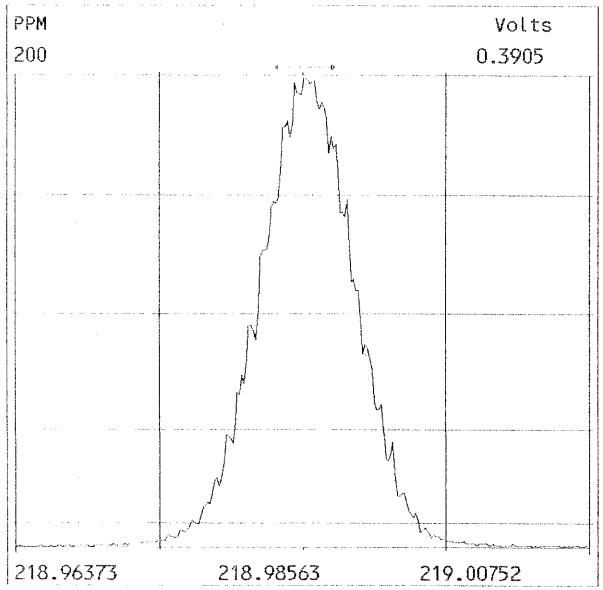


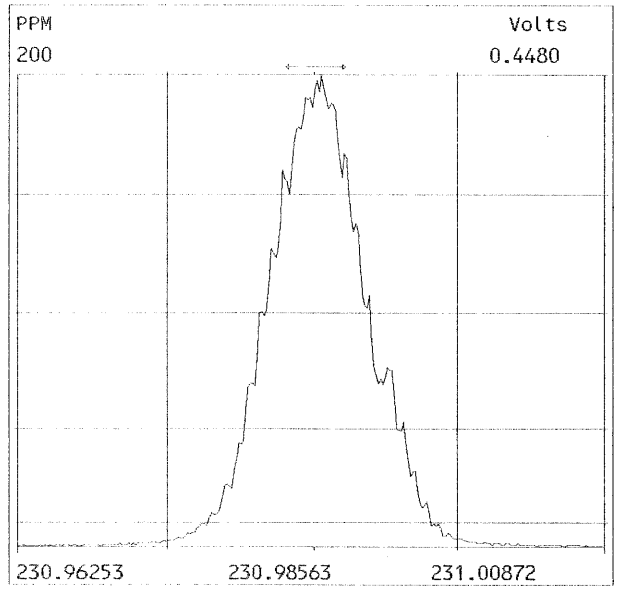


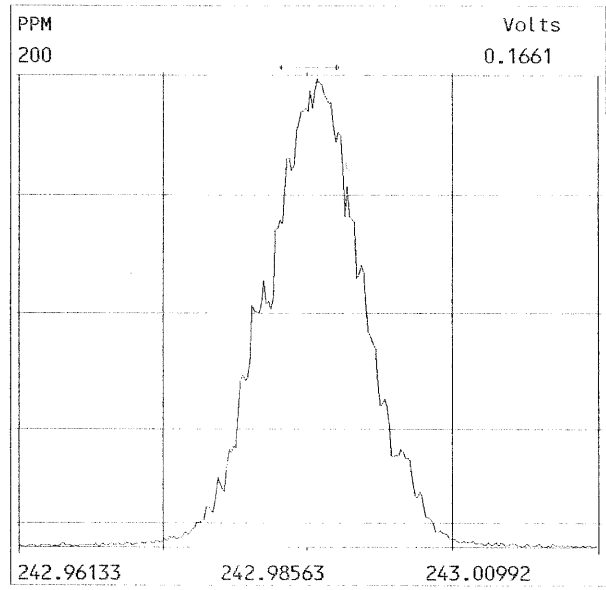


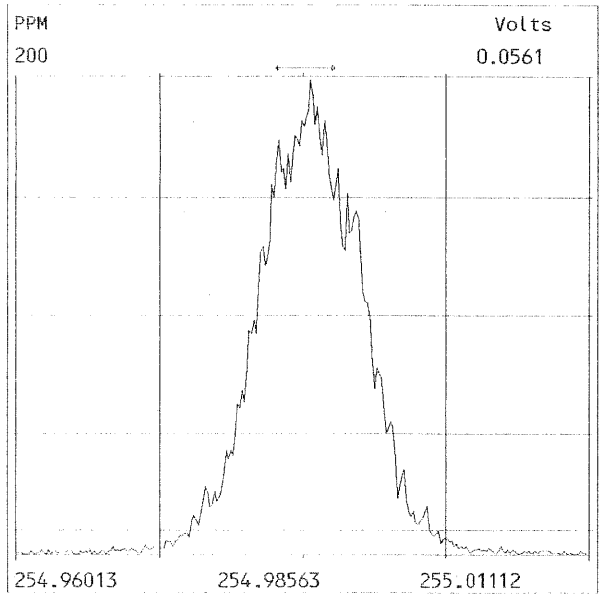


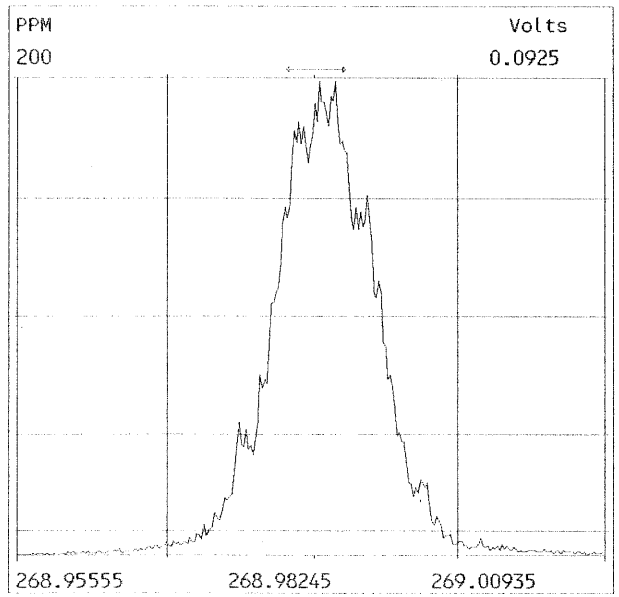
Peak Locate Examination:11-NOV-2020:18:24 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

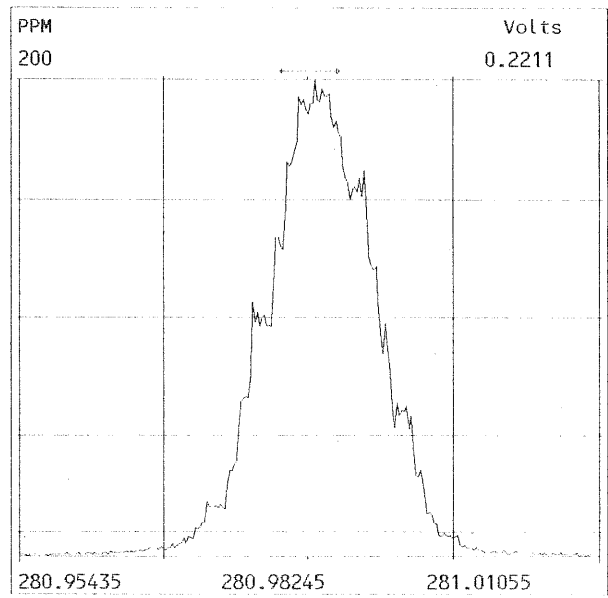




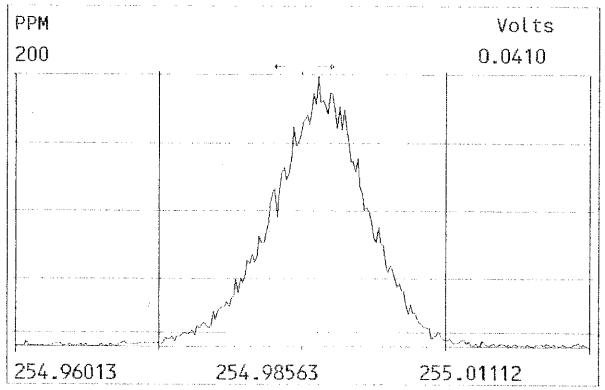


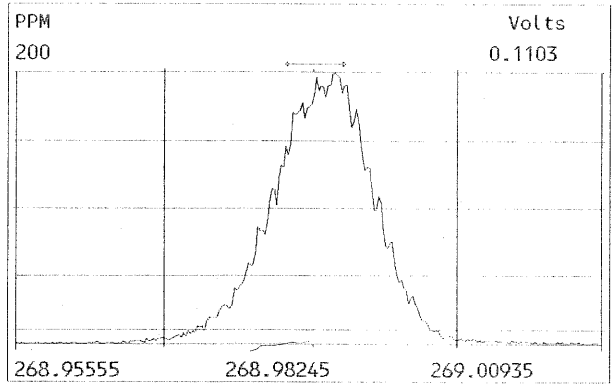


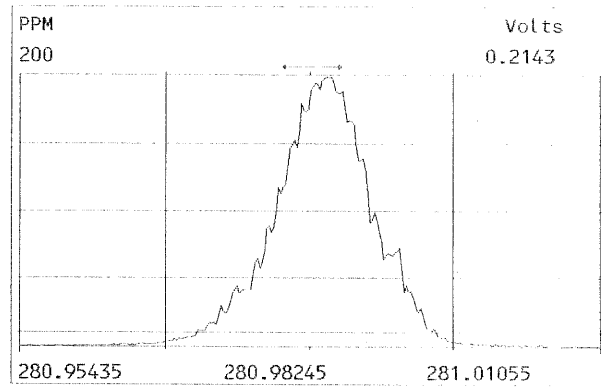


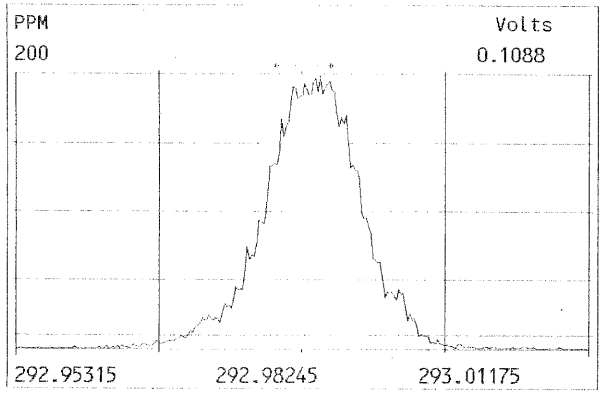


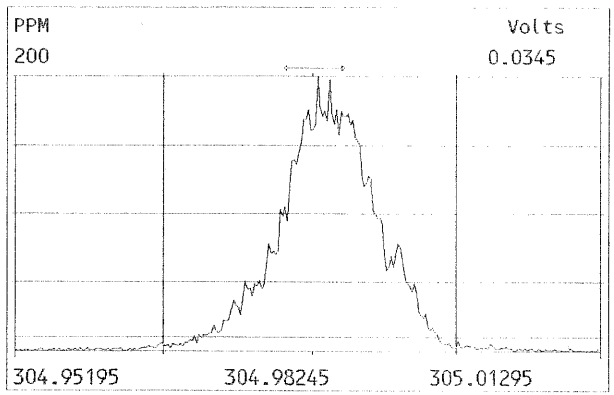
Peak Locate Examination:11-NOV-2020:18:26 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

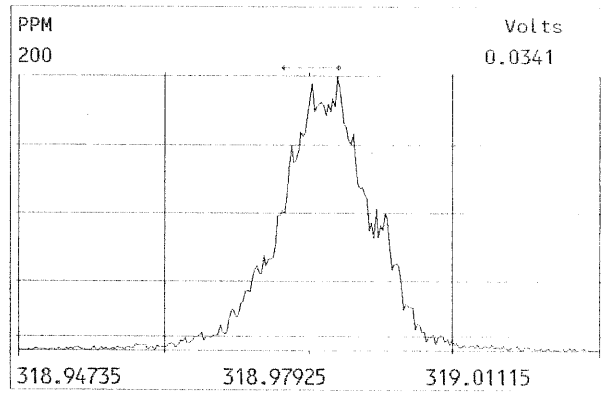


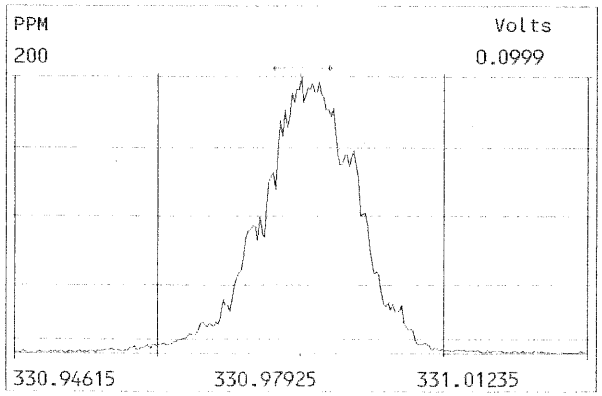


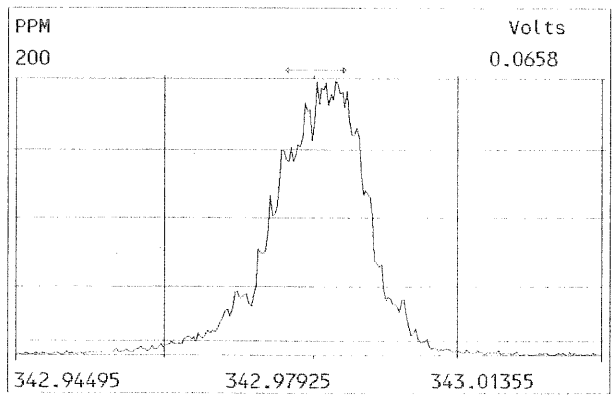






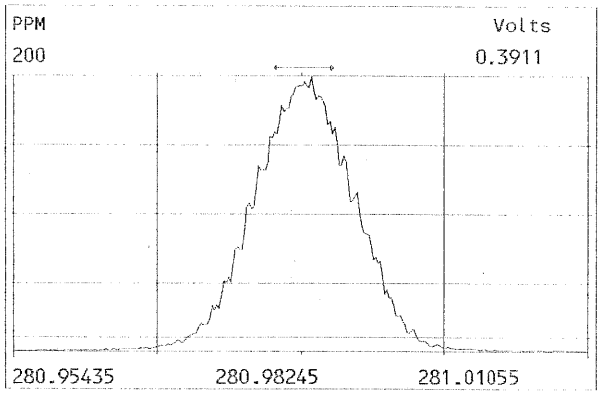


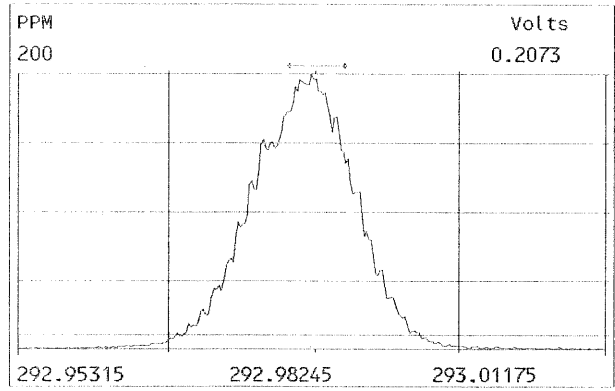


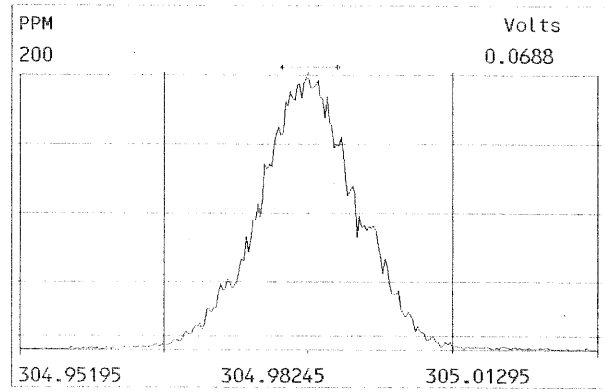


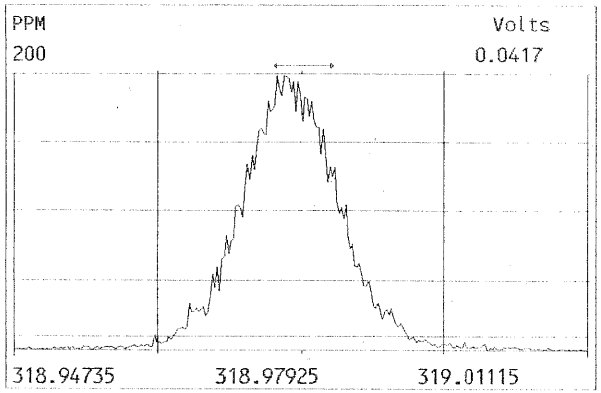
Peak Locate Examination:11-NOV-2020:18:28 File:11NOV20Z_RES_CHECK

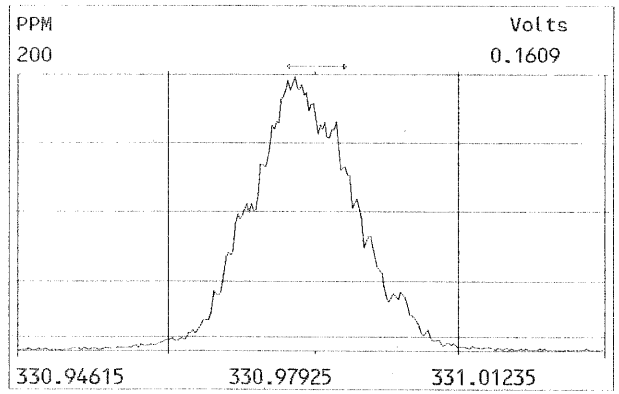
Experiment:1668PCB Function:4 Reference:PFK

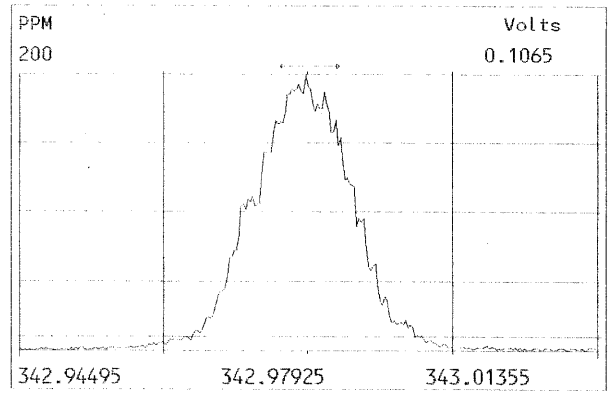


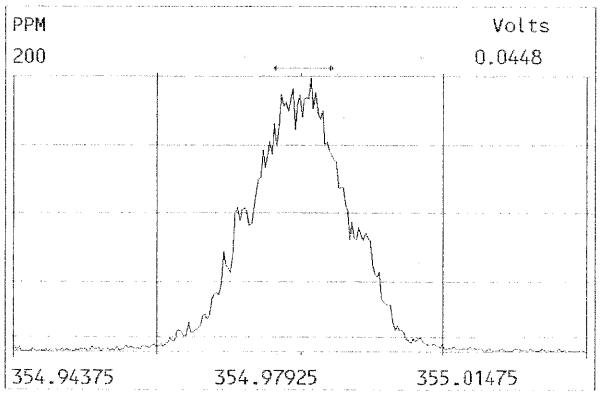


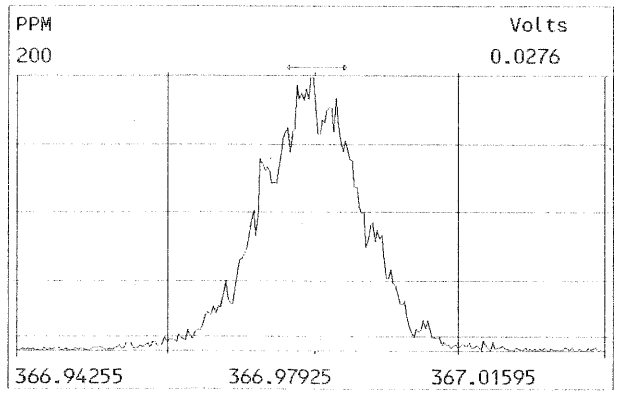


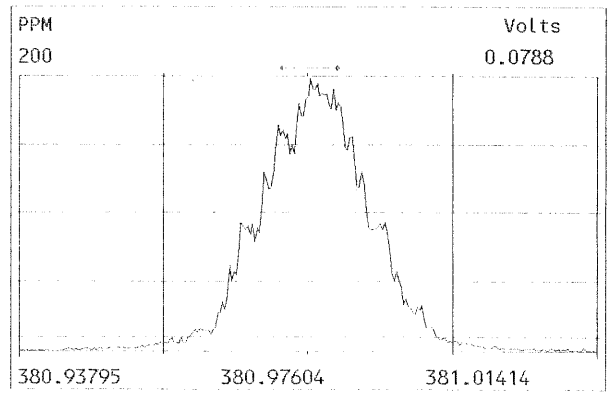






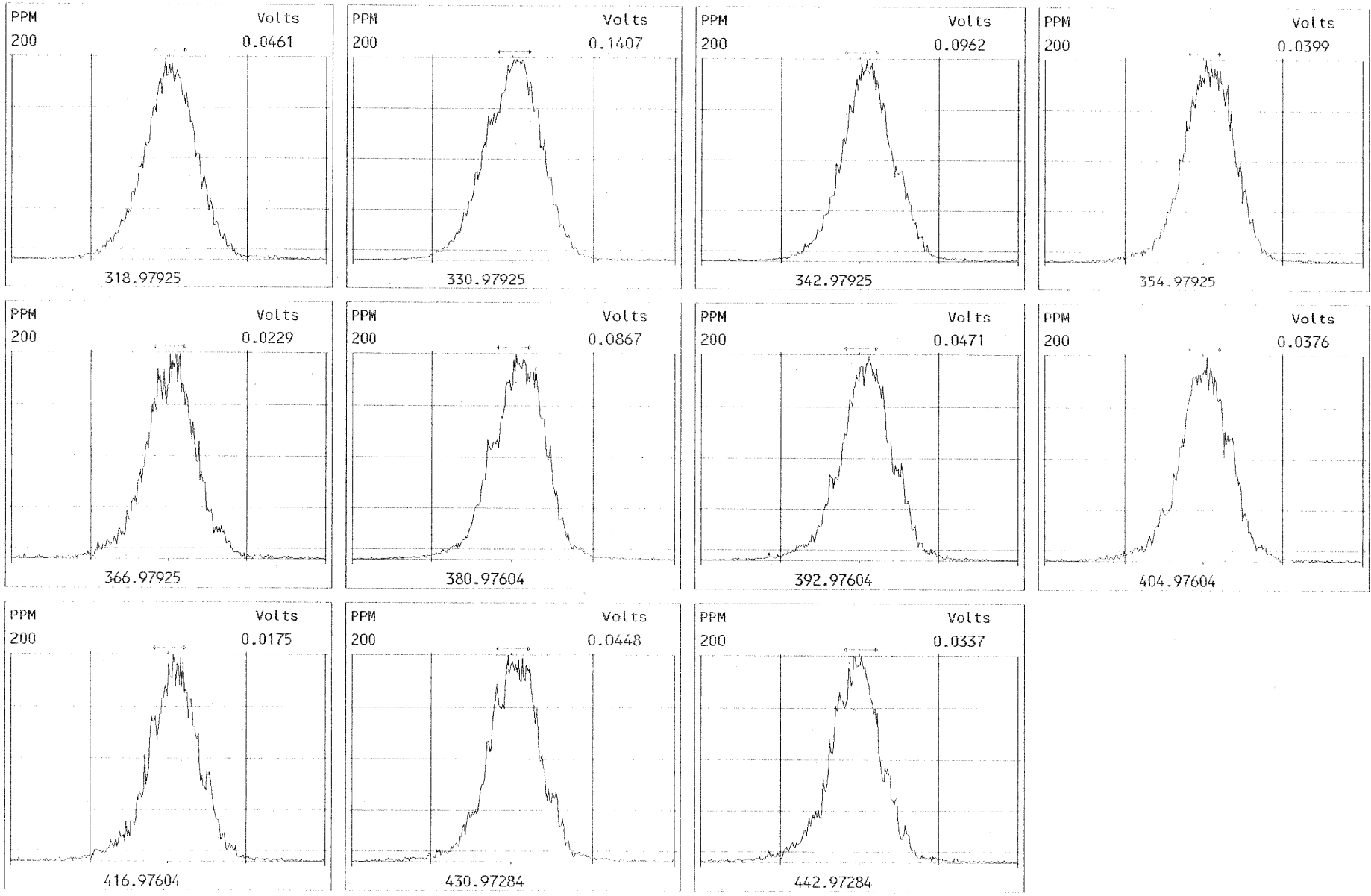




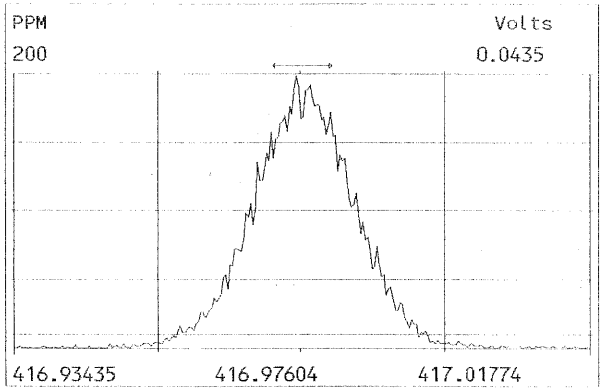


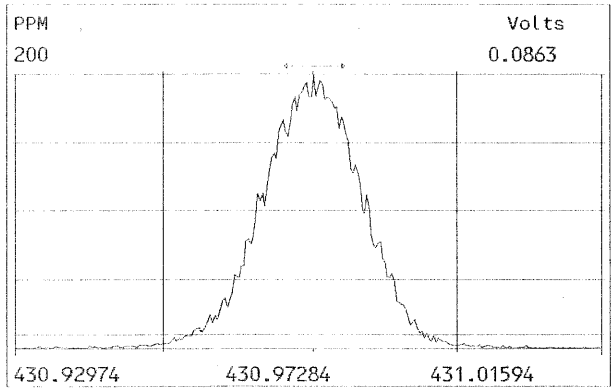
Peak Locate Examination:11-NOV-2020:18:31 File:11NOV20Z_RES_CHECK

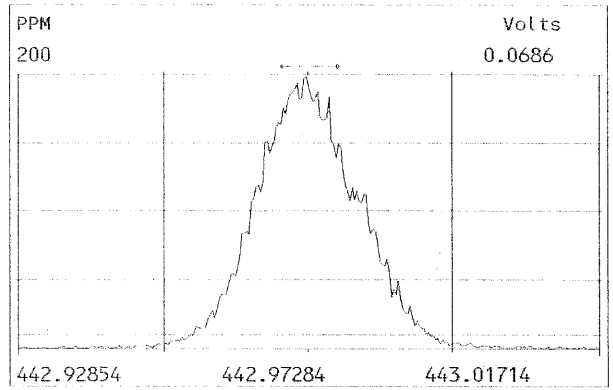
Experiment:1668PCB Function:5 Reference:PFK

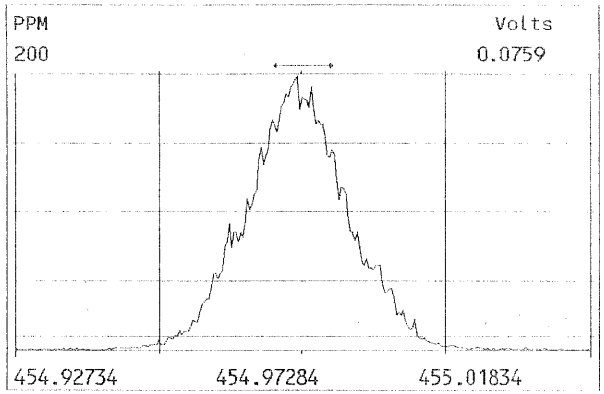


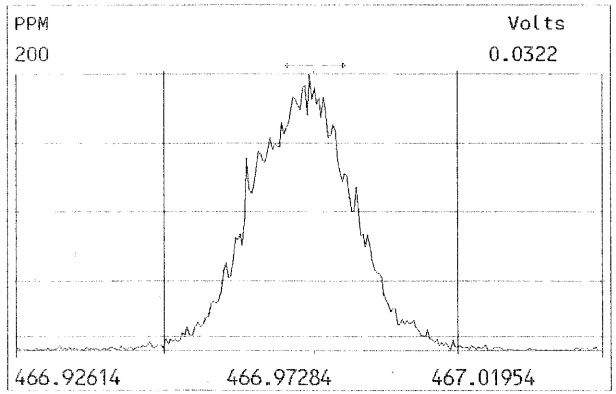
Peak Locate Examination:11-NOV-2020:18:33 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

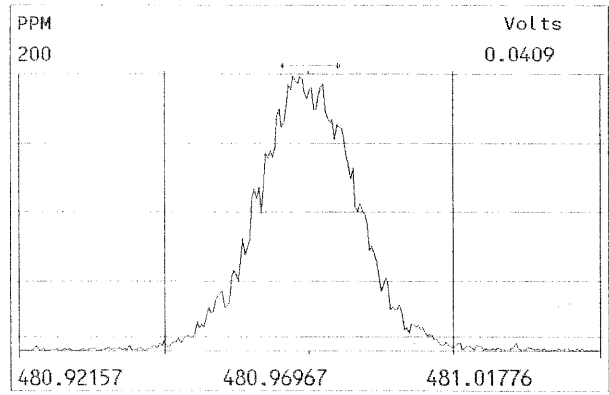


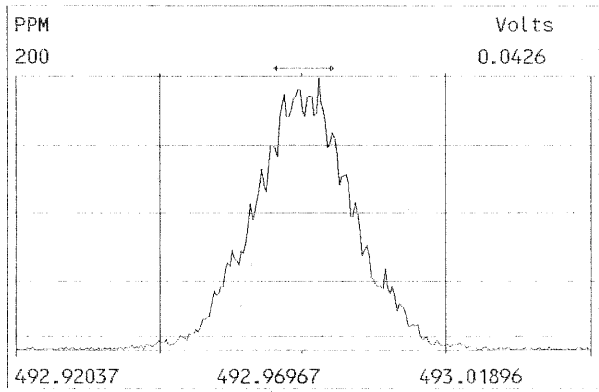


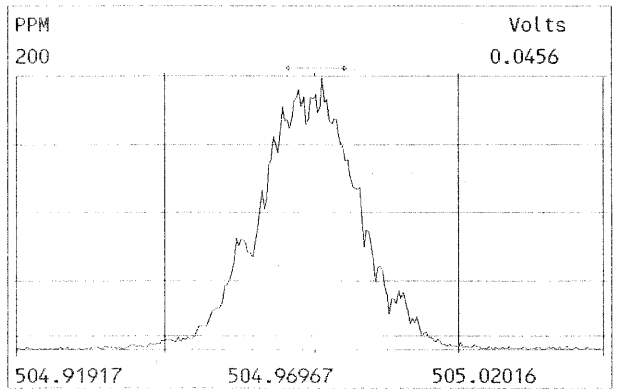


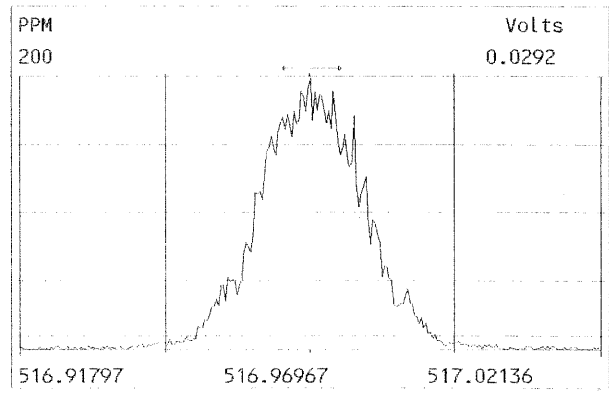












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 11NOV20Z Sam:12 Analysis Date: 11-NOV-20 16:54:29

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	56.0	37.5 - 62.5
PCB-3	M/M+2	3.22	2.66-3.60	y	54.5	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	47.1	37.5 - 62.5
PCB-15	M/M+2	1.51	1.33-1.79	y	55.8	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	55.5	37.5 - 62.5
PCB-37	M/M+2	1.11	0.88-1.20	y	54.9	37.5 - 62.5
PCB-54	M/M+2	0.82	0.65-0.89	y	114	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	116	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	107	75.0 - 125
PCB-105	M+2/M+4	1.60	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.61	1.32-1.78	y	108	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	207	150 - 250
PCB-123	M+2/M+4	1.64	1.32-1.78	y	92.7	75.0 - 125
PCB-126	M+2/M+4	1.63	1.32-1.78	y	110	75.0 - 125
PCB-155	M+2/M+4	1.30	1.05-1.43	y	107	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	113	75.0 - 125
PCB-167	M+2/M+4	1.28	1.05-1.43	y	110	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	109	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	104	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	167	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	161	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	171	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	169	112.5 - 187.5

Analyst: _____ Date: 11/18/20

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: 11NOV20Z Sam:12 Analysis Date: 11-NOV-20 16:54:29

	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	3.31	2.66-3.60	y	87.2	50.0 - 145
13C-PCB-3	M/M+2	3.38	2.66-3.60	y	78.7	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	96.9	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	88.1	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	80.0	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	94.3	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	89.1	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	116	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	111	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	83.8	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	104	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	102	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	101	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	105	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	86.5	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	93.3	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	90.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	92.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	96.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	79.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	88.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	64.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	91.8	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	83.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.83	0.65-0.89	y	73.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.24	0.99-1.33	y	72.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.05	0.88-1.20	y	110	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	107	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	90.3	75.0 - 125

Analyst: _____ Date: 11/12/20

FAL ID: ST111120Z2 Filename: 11NOV20Z Sam:12 Acquired: 11-NOV-20 16:54:29 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 11NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.71e+07	3.20 y	14:35	1.21	56.0		2.50	-	-	*	-
13C-PCB-1	6.95e+07	3.31 y	14:34	0.90	87.2		2.50				87.2
PCB-3	4.35e+07	3.22 y	17:01	1.23	54.5		2.50	-	-	*	-
13C-PCB-3	6.48e+07	3.38 y	16:60	0.93	78.7		2.50				78.7
PCB-4	3.04e+07	1.52 y	18:16	1.14	47.1		2.50	-	-	*	-
13C-PCB-4	5.66e+07	1.61 y	18:14	0.66	96.9		2.50				96.9
PCB-15	5.17e+07	1.51 y	23:47	1.09	55.8		2.50	-	-	*	-
13C-PCB-15	8.49e+07	1.60 y	23:46	1.09	88.1		2.50				88.1
PCB-19	2.40e+07	1.09 y	22:10	1.21	55.5		2.50	-	-	*	-
13C-PCB-19	3.58e+07	1.08 y	22:08	0.50	80.0		2.50				80.0
13C-PCB-9	8.86e+07	1.60 y	19:55	-	86.9		2.50				
PCB-37	4.41e+07	1.11 y	30:26	1.14	54.9		2.50	-	-	*	-
13C-PCB-37	7.03e+07	1.06 y	30:25	1.64	94.3		2.50				94.3
PCB-54	6.89e+07	0.82 y	25:42	1.18	114		2.50	-	-	*	-
13C-PCB-54	5.12e+07	0.83 y	25:40	1.26	89.1		2.50				89.1
PCB-104	4.65e+07	1.58 y	30:08	1.12	107		2.50	-	-	*	-
13C-PCB-104	3.89e+07	1.59 y	30:07	1.02	83.8		2.50				83.8
13C-PCB-28	8.63e+07	1.05 y	26:45	1.73	110		2.50				110
13C-PCB-52	4.55e+07	0.81 y	29:01	-	85.5		2.50				
PCB-81	8.78e+07	0.81 y	36:12	1.13	116		2.50	-	-	*	-
13C-PCB-81	6.70e+07	0.79 y	36:11	1.57	111		2.50				111
PCB-77	8.11e+07	0.81 y	36:46	1.10	103		2.50	-	-	*	-
13C-PCB-77	7.19e+07	0.81 y	36:45	1.61	116		2.50				116
PCB-155	4.45e+07	1.30 y	34:18	1.13	107		2.50	-	-	*	-
13C-PCB-155	3.67e+07	1.36 y	34:16	1.10	86.5		2.50				86.5
13C-PCB-111	5.25e+07	1.63 y	36:21	1.27	107		2.50				107
13C-PCB-101	3.84e+07	1.66 y	34:42	-	80.7		2.50				
PCB-123	6.45e+07	1.64 y	38:24	1.11	92.7		2.50	-	-	*	-
13C-PCB-123	6.27e+07	1.59 y	38:23	1.28	101		2.50				101
PCB-118	1.56e+08	1.61 y	38:36	1.12	207		2.50	-	-	*	-
13C-PCB-118	6.71e+07	1.61 y	38:34	1.35	102		2.50				102
PCB-114	7.93e+07	1.61 y	39:12	1.13	108		2.50	-	-	*	-
13C-PCB-114	6.50e+07	1.60 y	39:10	1.29	104		2.50				104
PCB-105	7.87e+07	1.60 y	40:01	1.10	110		2.50	-	-	*	-
13C-PCB-105	6.47e+07	1.59 y	39:60	1.28	104		2.50				104
PCB-126	7.48e+07	1.63 y	42:08	1.08	110		2.50	-	-	*	-
13C-PCB-126	6.28e+07	1.59 y	42:07	1.23	105		2.50				105
PCB-167	6.75e+07	1.28 y	43:31	1.11	110		2.50	-	-	*	-
13C-PCB-167	5.53e+07	1.29 y	43:29	1.23	92.7		2.50				92.7
PCB-156	6.79e+07	1.27 y	44:45	1.13	112		2.50	-	-	*	-
13C-PCB-156	5.38e+07	1.29 y	44:43	1.19	93.3		2.50				93.3
PCB-157	6.56e+07	1.27 y	44:59	1.08	113		2.50	-	-	*	-
13C-PCB-157	5.35e+07	1.27 y	44:58	1.21	90.9		2.50				90.9
PCB-169	6.46e+07	1.26 y	46:50	1.08	109		2.50	-	-	*	-
13C-PCB-169	5.50e+07	1.29 y	46:50	1.17	96.8		2.50				96.8
PCB-188	5.01e+07	1.05 y	39:48	1.10	104		2.50	-	-	*	-
13C-PCB-188	4.37e+07	1.08 y	39:47	1.13	79.9		2.50				79.9
PCB-189	4.53e+07	1.06 y	48:30	1.07	103		2.50	-	-	*	-
13C-PCB-189	4.13e+07	1.08 y	48:28	0.97	88.1		2.50				88.1
PCB-202	5.16e+07	0.94 y	44:54	1.03	167		2.50	-	-	*	-
13C-PCB-202	3.01e+07	0.91 y	44:54	0.96	64.8		2.50				64.8
13C-PCB-178	3.40e+07	1.08 y	42:25	0.78	90.3		2.50				90.3
13C-PCB-138	4.85e+07	1.28 y	41:37	-	101		2.50				

Client ID: CS209 200406A ConCal: ST111120Z1 EndCal: ST111120Z2
Results: 11NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	9.91e+07	0.91 y	50:08	1.09	161	2.50	-	-	*	-
13C-PCB-205	5.66e+07	0.89 y	50:07	1.32	91.8	2.50				91.8
PCB-208	8.14e+07	1.37 y	49:13	1.01	171	2.50	-	-	*	-
13C-PCB-208	4.73e+07	0.83 y	49:12	1.38	73.5	2.50				73.5
PCB-206	6.24e+07	1.35 y	51:20	1.04	164	2.50	-	-	*	-
13C-PCB-206	3.66e+07	0.81 y	51:19	0.94	83.6	2.50				83.6
PCB-209	7.12e+07	1.22 y	52:31	1.13	169	2.50	-	-	*	-
13C-PCB-209	3.74e+07	1.24 y	52:30	1.10	72.4	2.50				72.4
13C-PCB-194	4.68e+07	0.90 y	49:52	-	123	2.50				

Analyst: _____ Date: 11/12/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:11NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

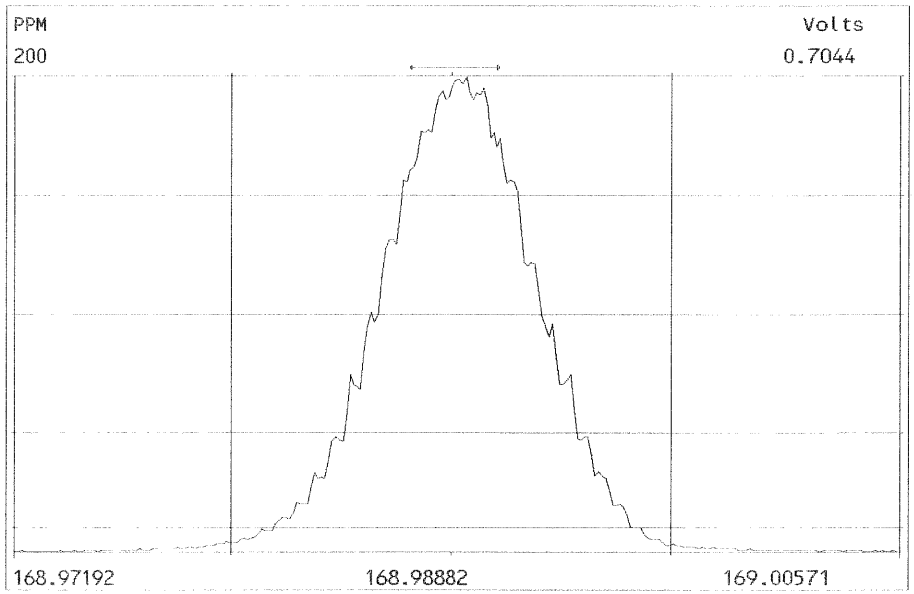
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
11NOV20Z	1	ST111120Z1	CS209 200406A	11-NOV-20 06:12:36	ST111120Z1	ST111120Z2	BS
11NOV20Z	2	05502-001-0001-OPR	OPR	11-NOV-20 07:10:56	ST111120Z1	ST111120Z2	BS
11NOV20Z	3	05502-001-0001-MB	Method Blank	11-NOV-20 08:09:17	ST111120Z1	ST111120Z2	BS
11NOV20Z	4	13416-001-0001-SA	LDW-Y3-SC-ENR-CA-ULM	11-NOV-20 09:07:38	ST111120Z1	ST111120Z2	BS
11NOV20Z	5	13416-003-0001-SA	LDW-Y3-SC-ENR-CC-ULM	11-NOV-20 10:06:00	ST111120Z1	ST111120Z2	BS
11NOV20Z	6	13416-004-0001-SA	LDW-Y3-SC-ENR-CD-ULM	11-NOV-20 11:04:21	ST111120Z1	ST111120Z2	BS
11NOV20Z	7	13416-006-0001-SA	LDW-Y3-SC-ENR+AC-CA-ULM	11-NOV-20 12:02:42	ST111120Z1	ST111120Z2	BS
11NOV20Z	8	13416-007-0001-SA	LDW-Y3-SC-ENR+AC-CB-ULM	11-NOV-20 13:01:04	ST111120Z1	ST111120Z2	BS
11NOV20Z	9	13416-008-0001-SA	LDW-Y3-SC-ENR+AC-CC-ULM	11-NOV-20 13:59:25	ST111120Z1	ST111120Z2	BS
11NOV20Z	10	13416-010-0001-SA	LDW-Y3-SC-ENR-CA-CORE	11-NOV-20 14:57:46	ST111120Z1	ST111120Z2	BS
11NOV20Z	11	SB111120Z1	Solvent Blank	11-NOV-20 15:56:08	ST111120Z1	ST111120Z2	BS
11NOV20Z	12	ST111120Z2	CS209 200406A	11-NOV-20 16:54:29	ST111120Z1	ST111120Z2	BS

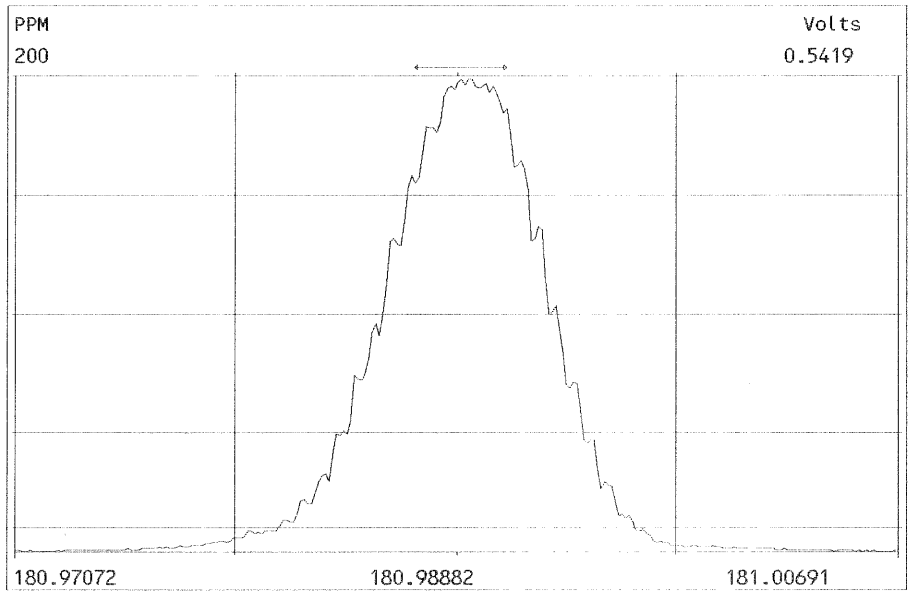
11/12/20

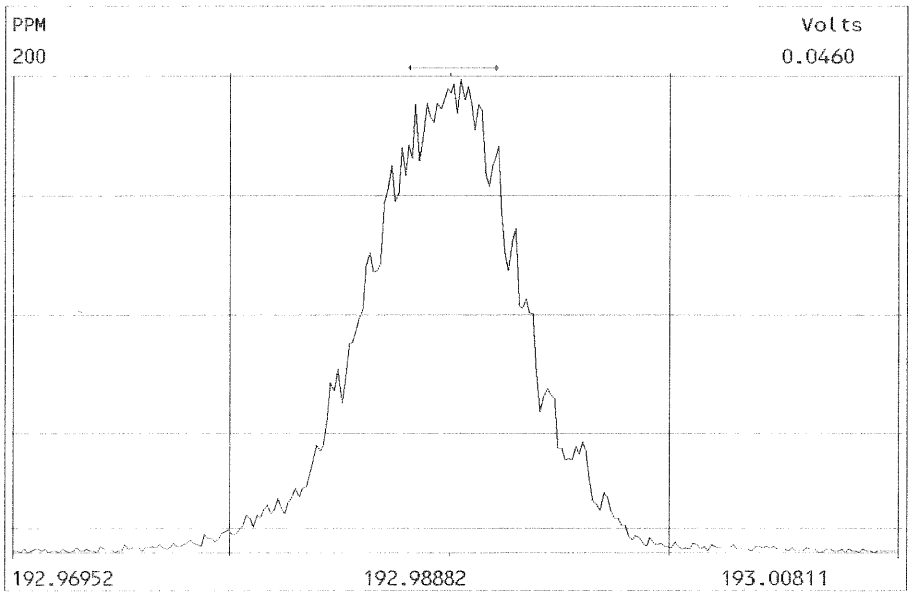
Data Backed Up:_____

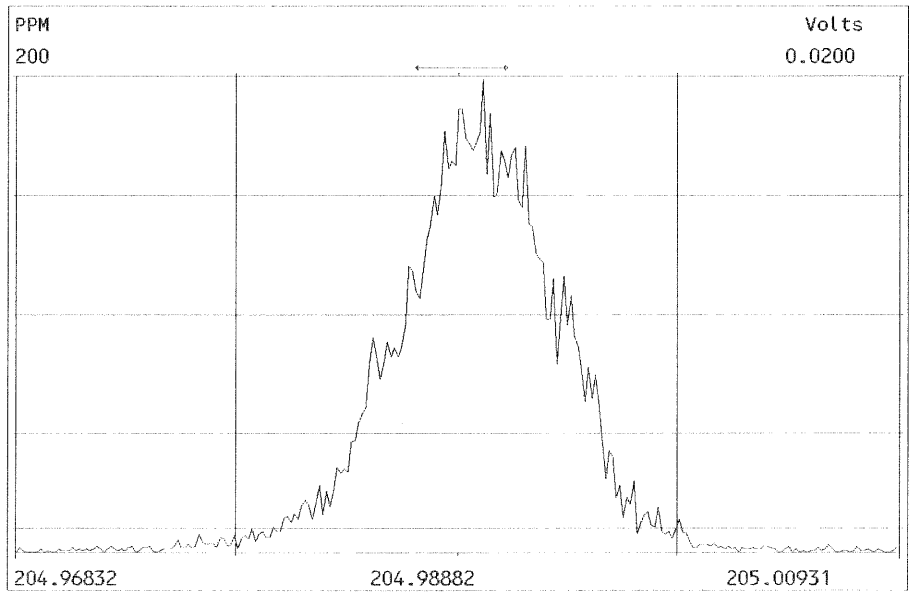
Date:_____

Peak Locate Examination:11-NOV-2020:06:09 File:11NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

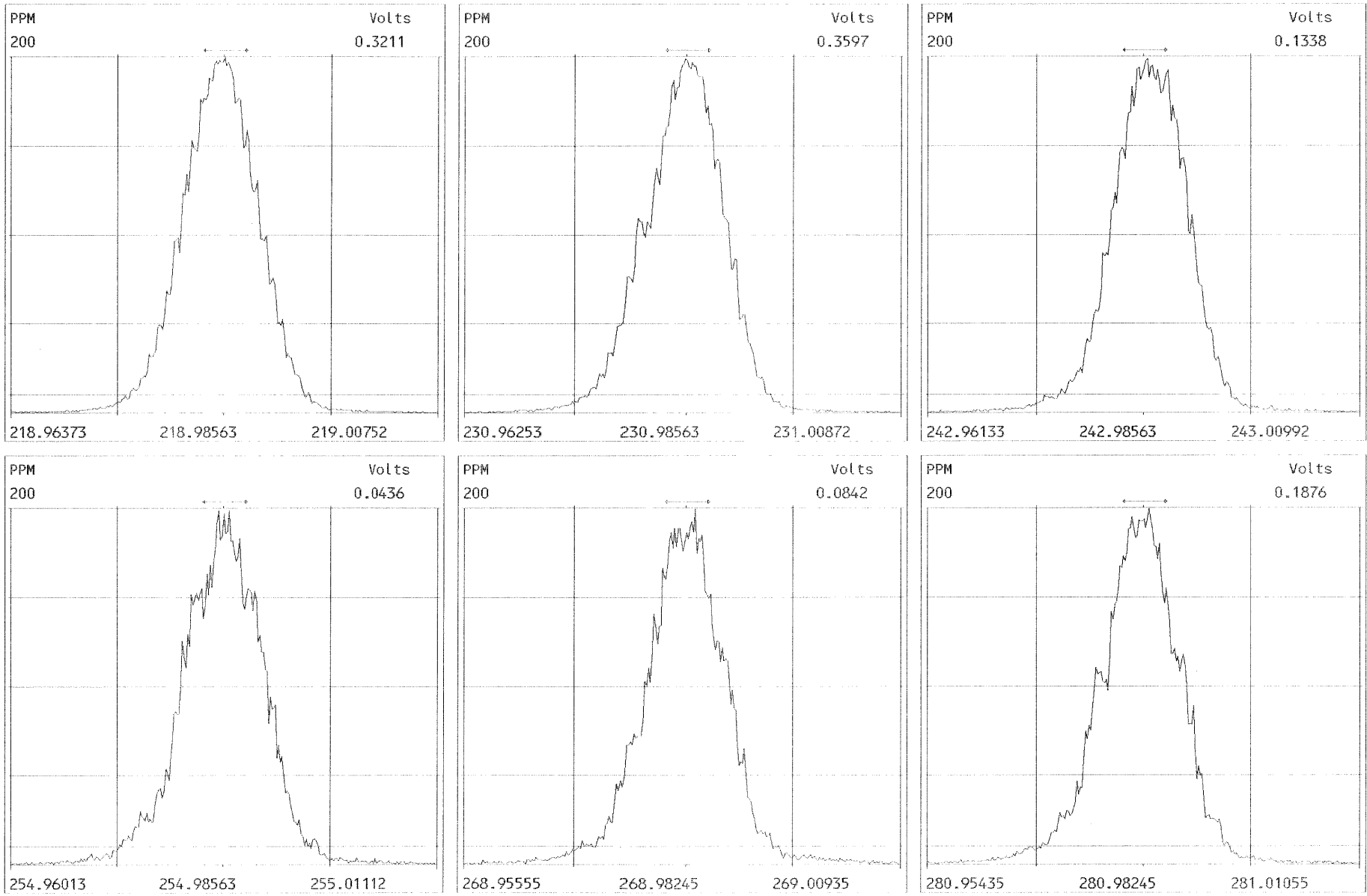




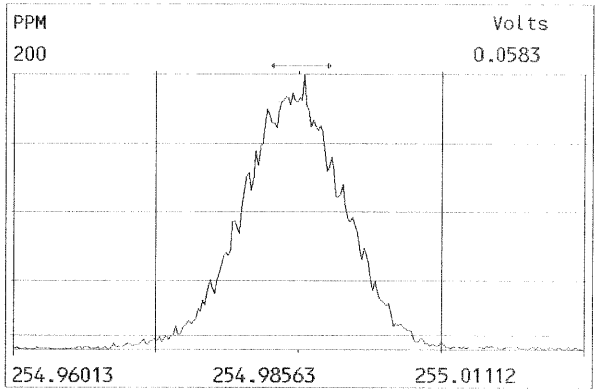


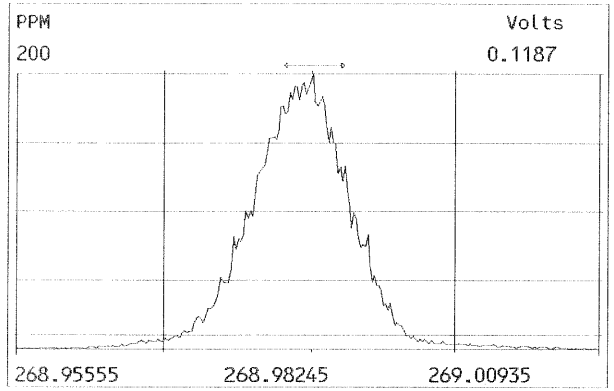


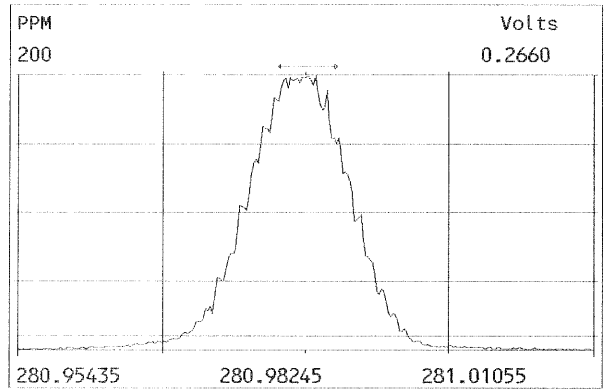
Peak Locate Examination:11-NOV-2020:06:10 File:11NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

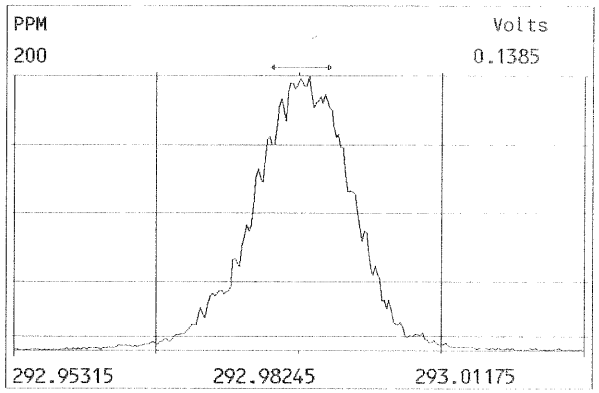


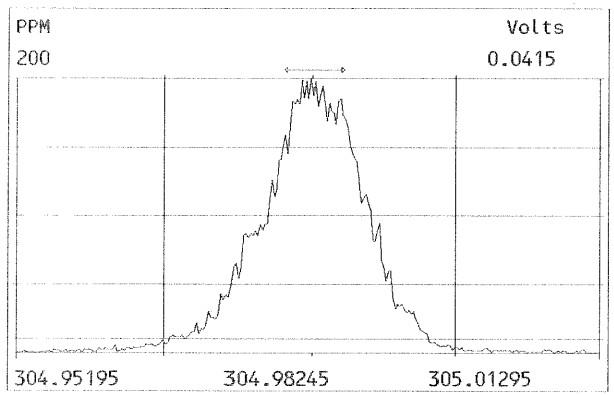
Peak Locate Examination:11-NOV-2020:06:10 File:11NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

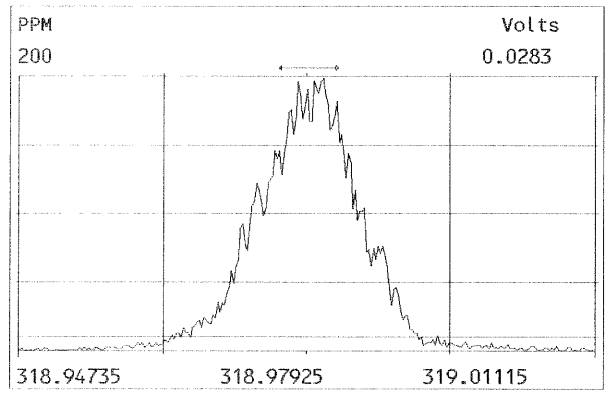


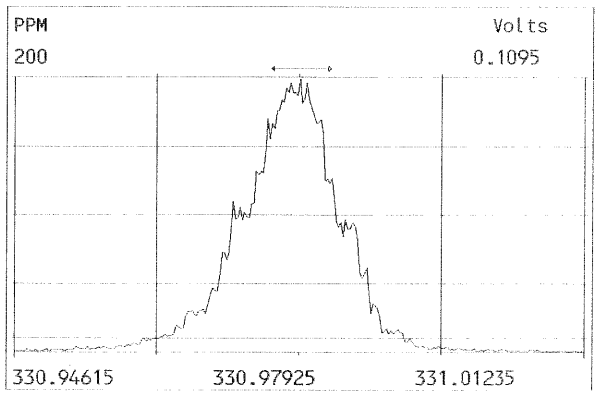


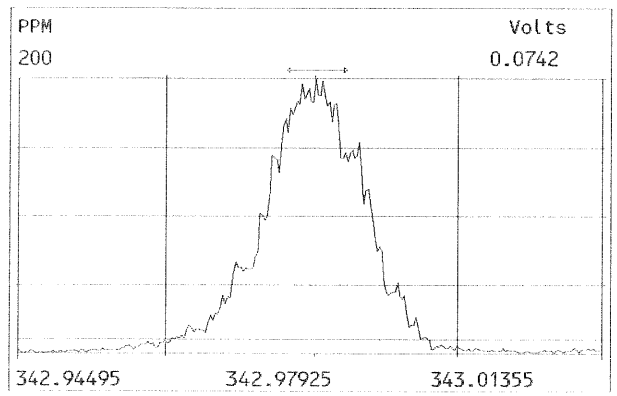




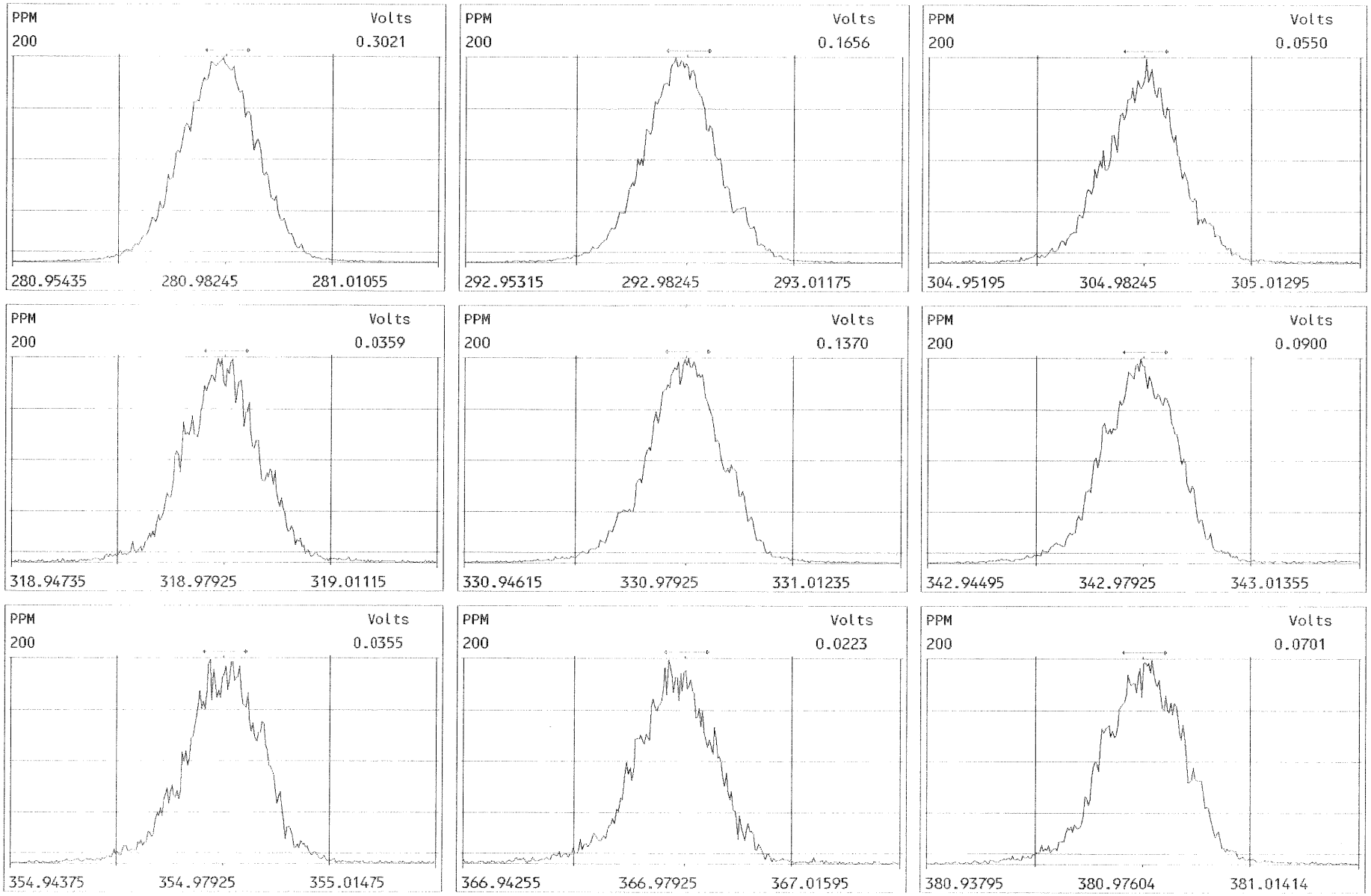




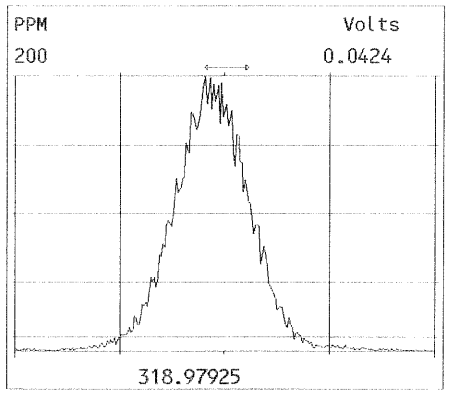


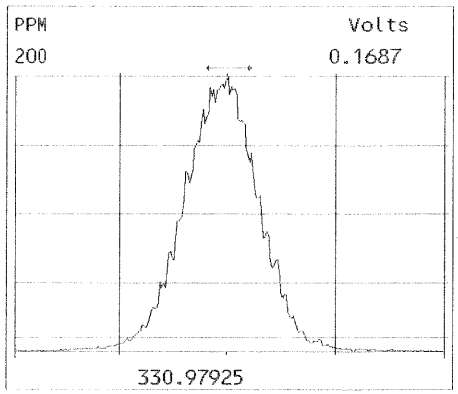


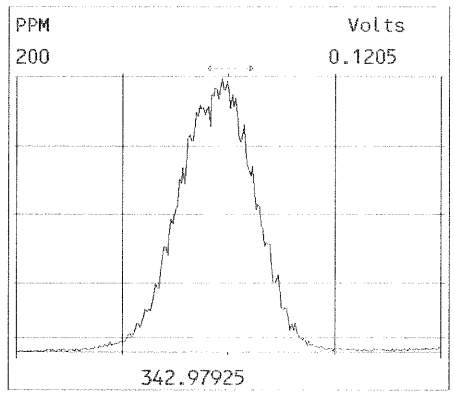
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

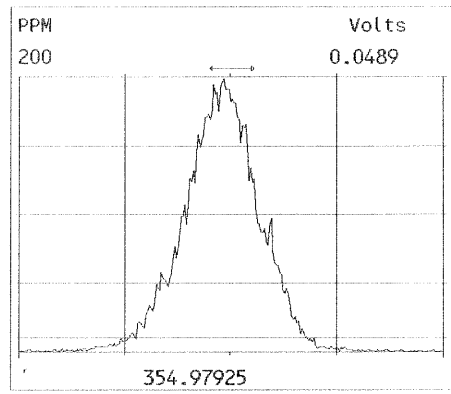


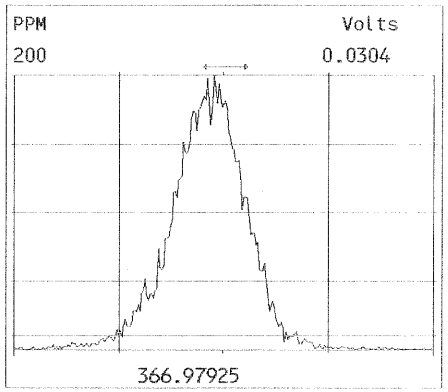
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

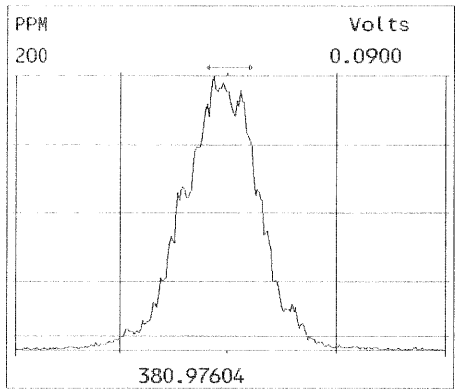


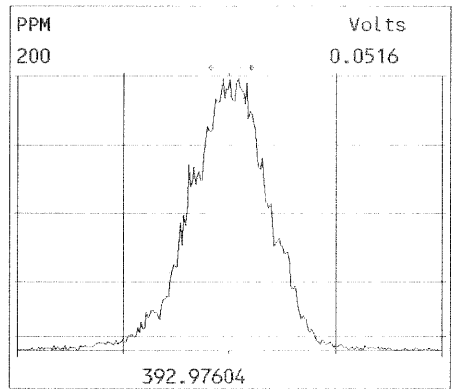


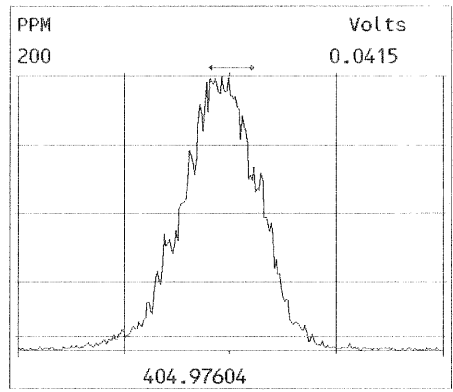


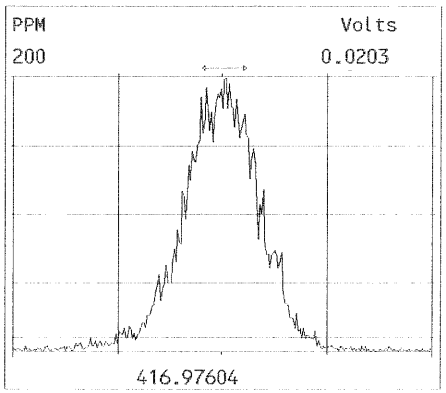


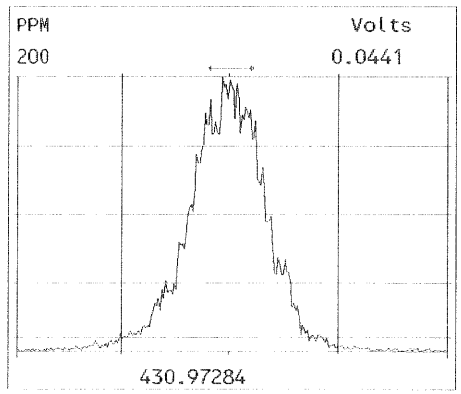


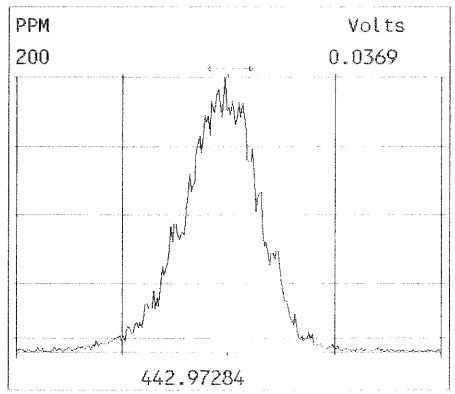




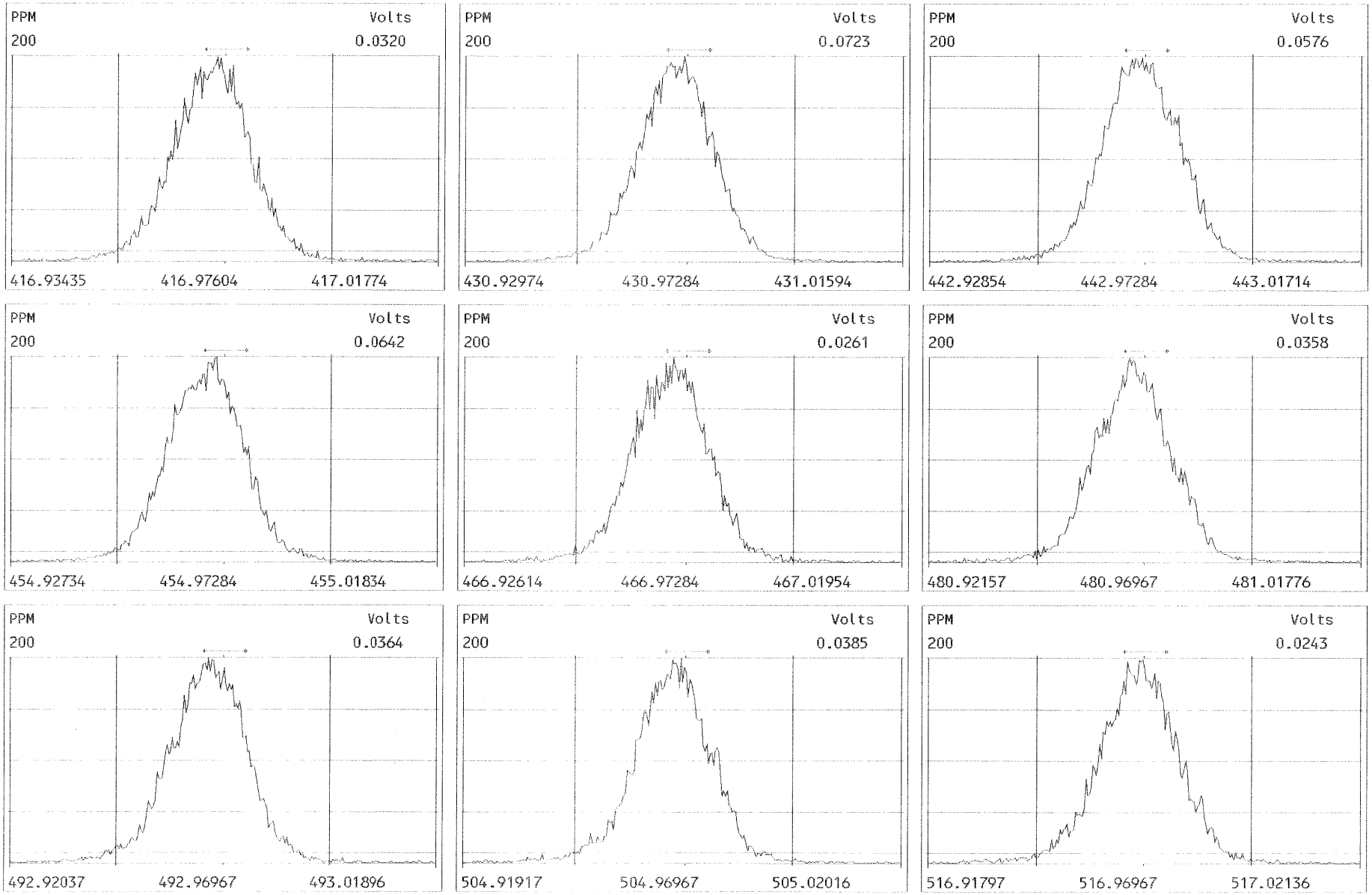




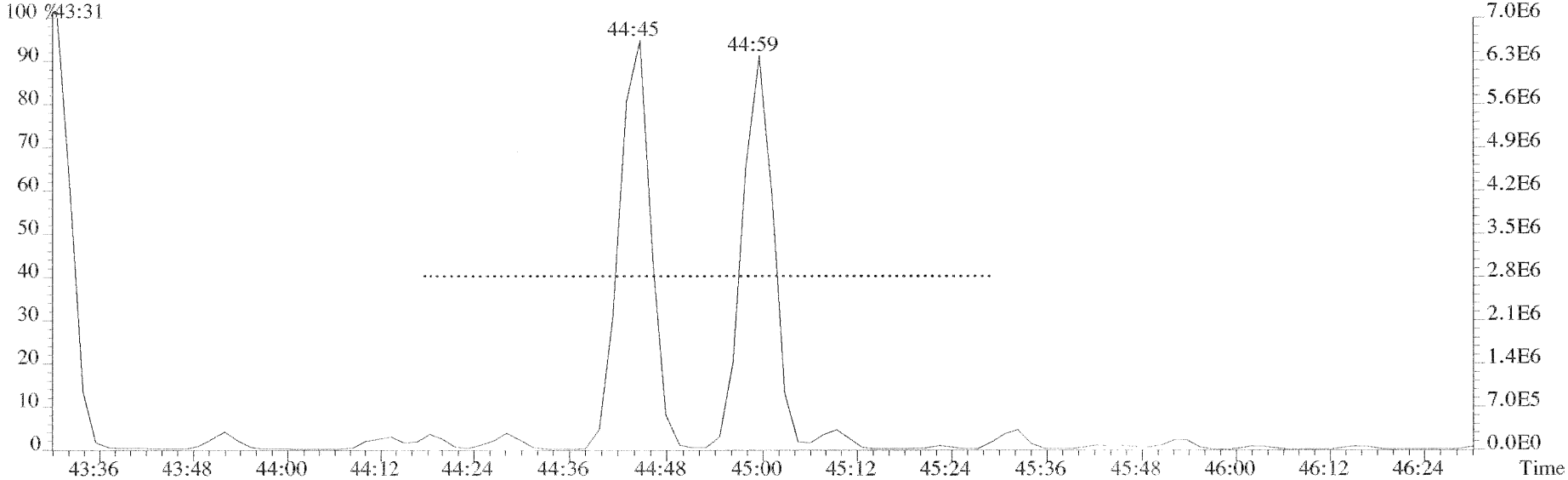




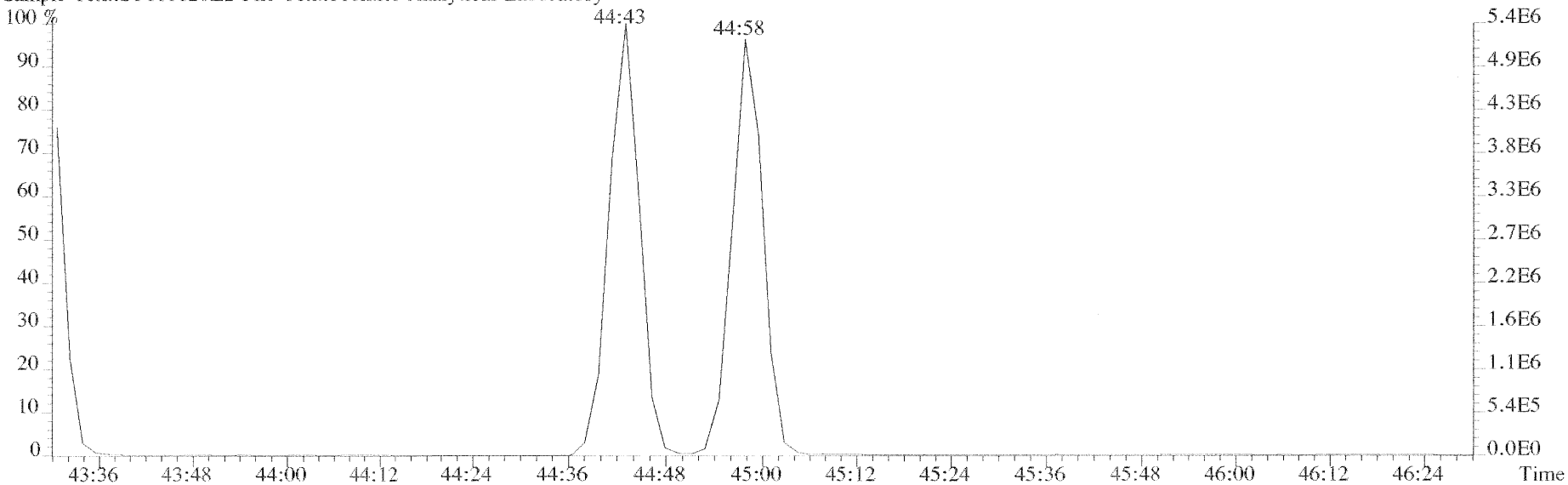
Peak Locate Examination:11-NOV-2020:06:11 File:11NOV20Z
Experiment:1668PCB Function:6 Reference:PFK



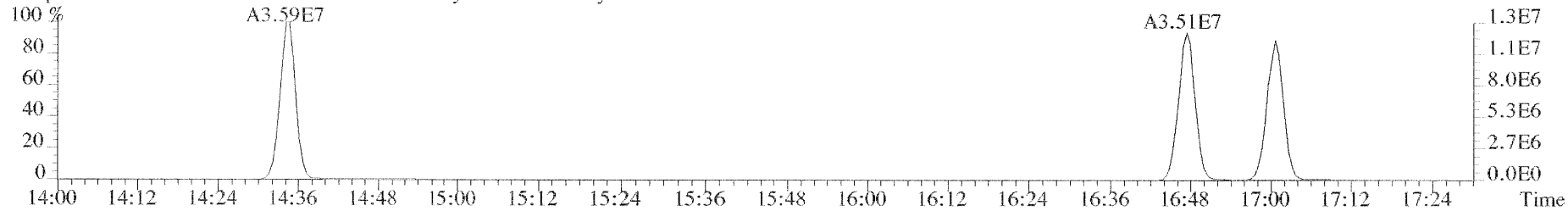
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



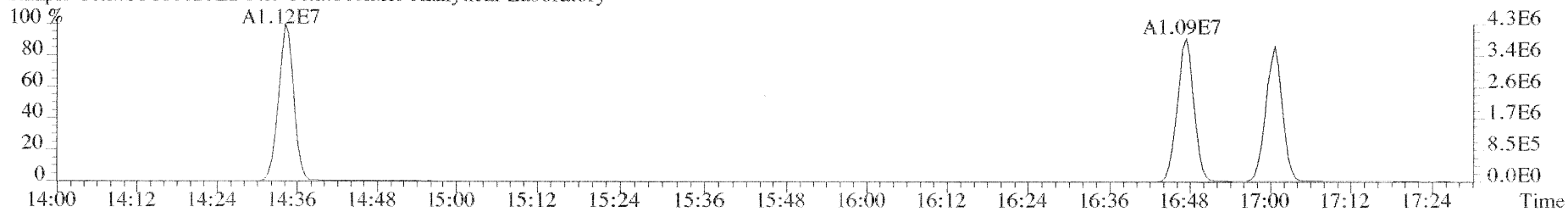
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



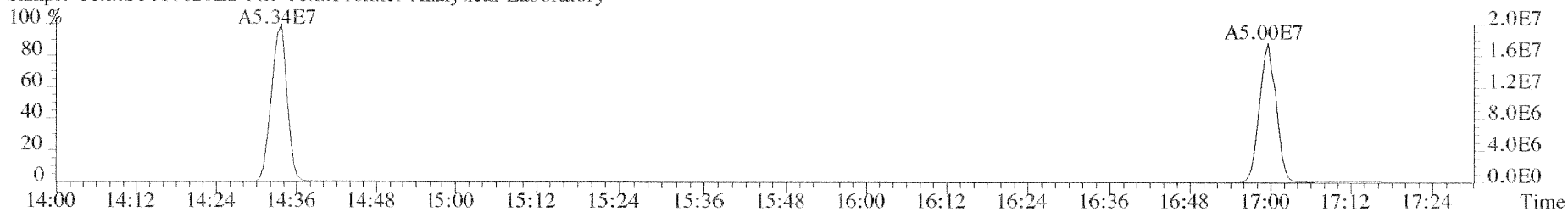
File:11NOV20Z #1-784 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



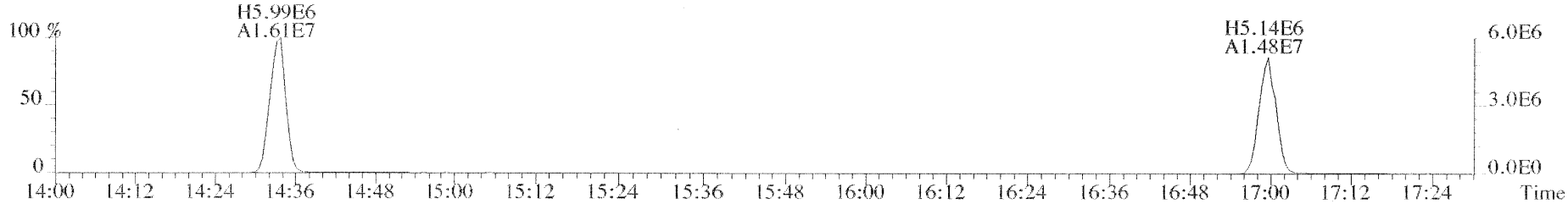
File:11NOV20Z #1-784 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



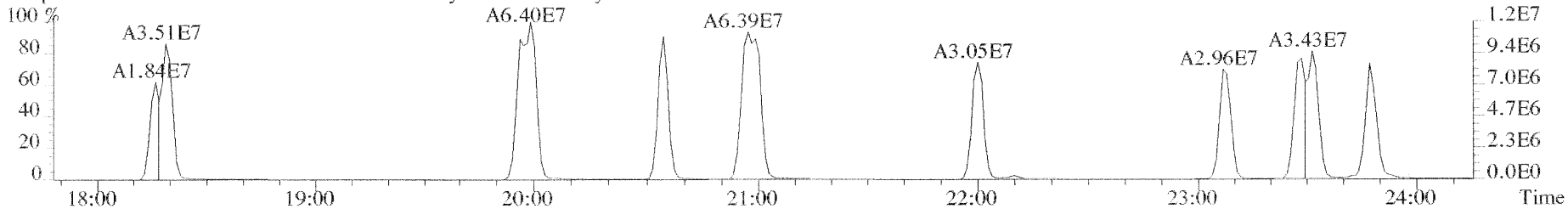
File:11NOV20Z #1-784 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



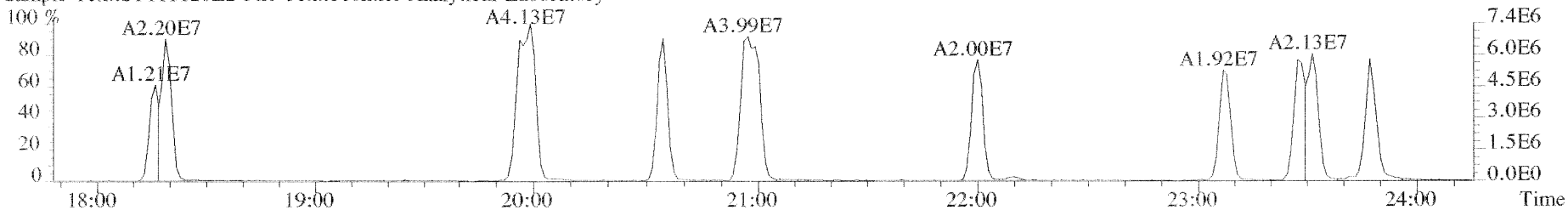
File:11NOV20Z #1-784 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



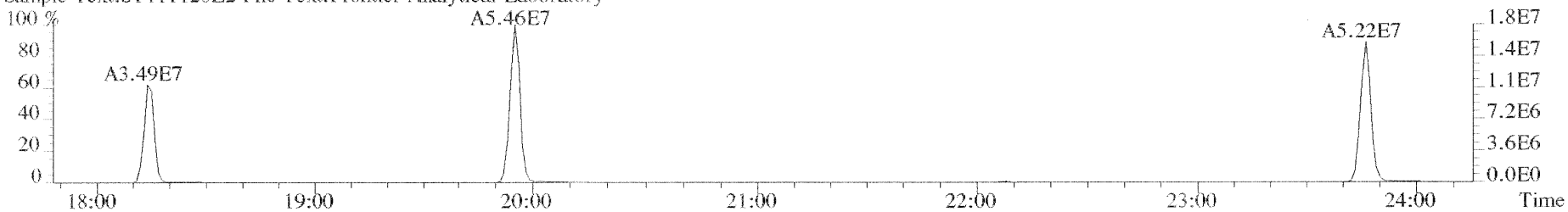
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



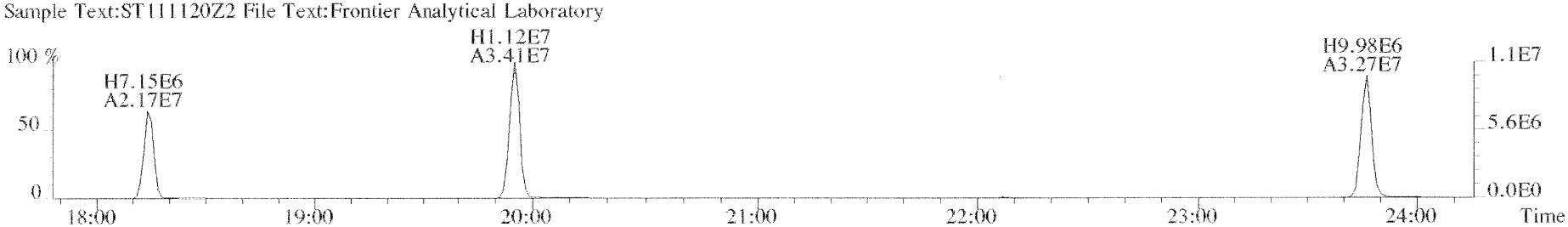
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



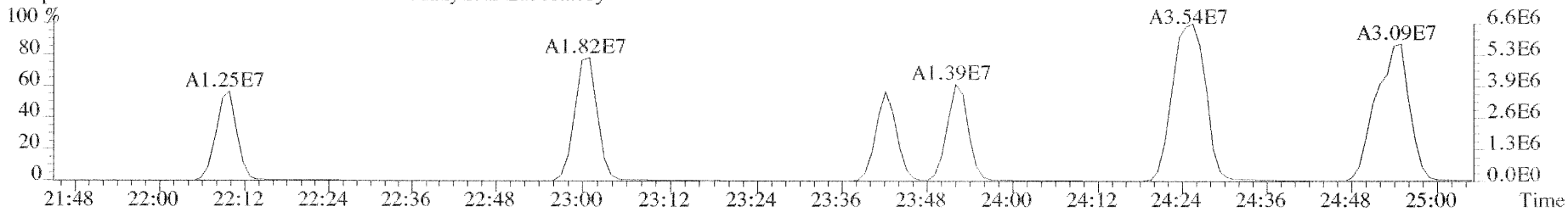
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



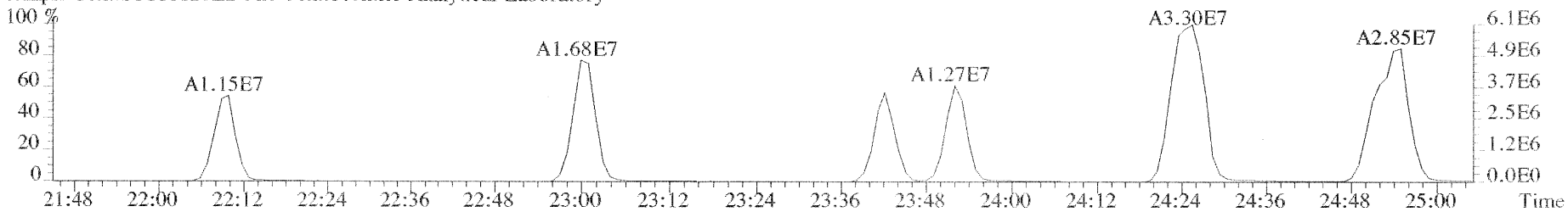
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



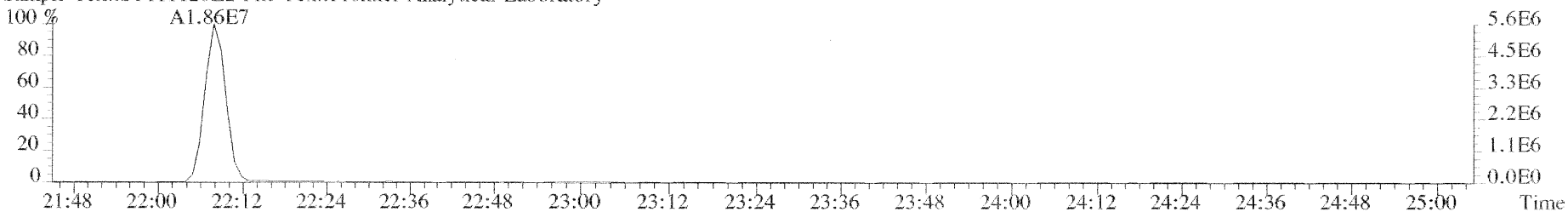
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



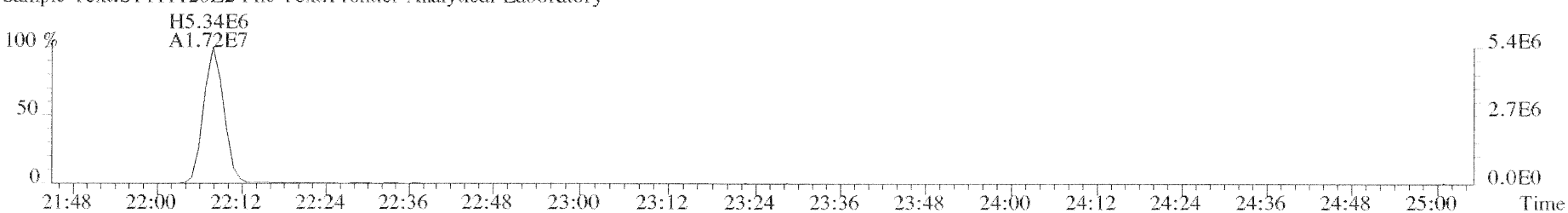
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



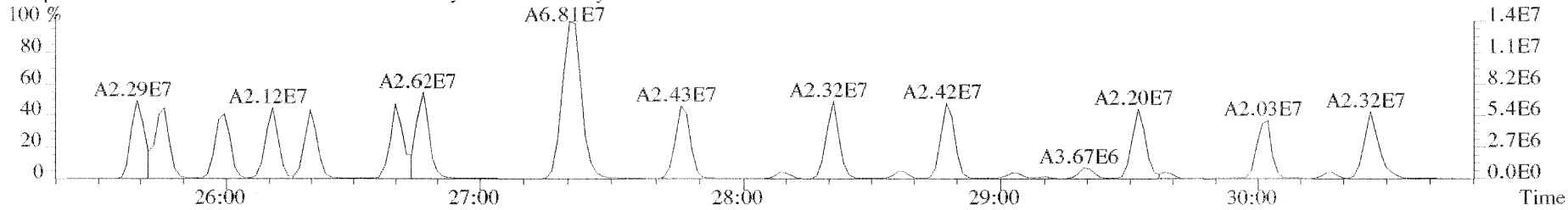
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



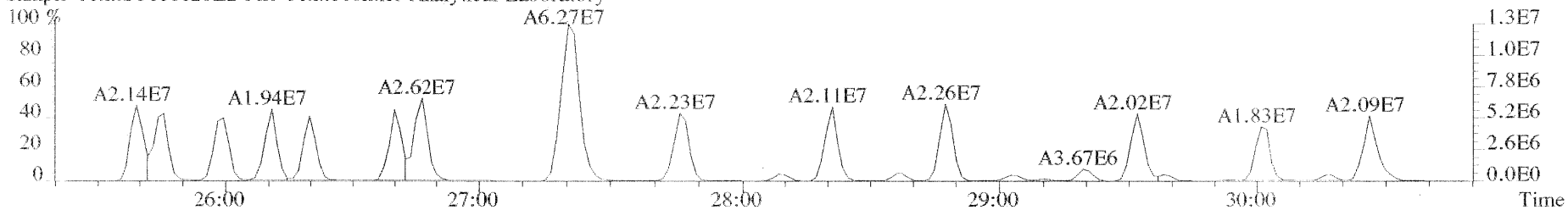
File:11NOV20Z #1-467 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



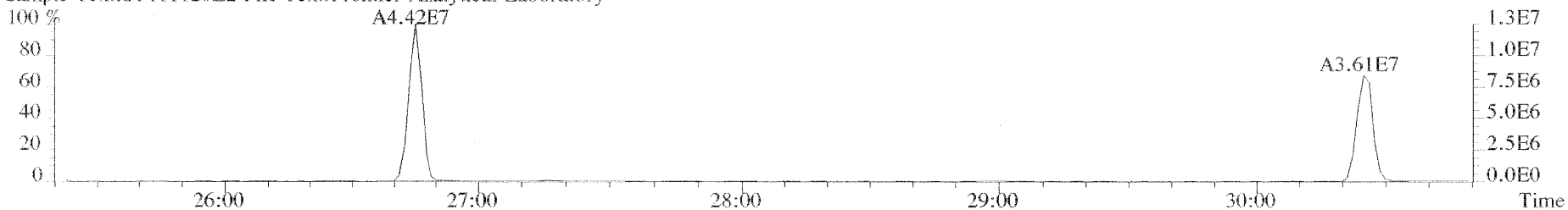
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



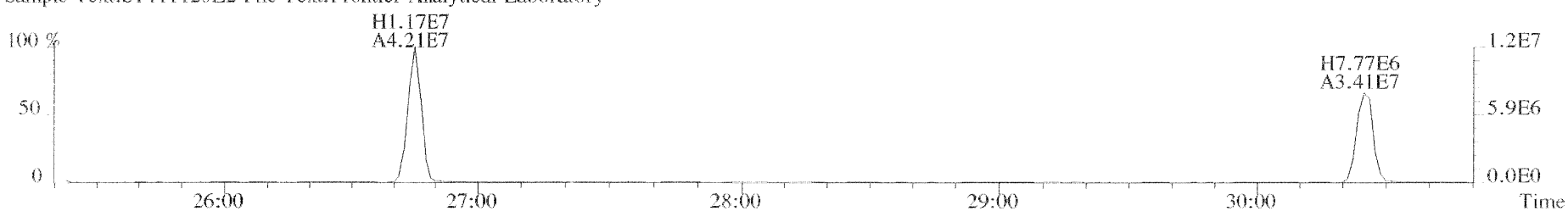
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



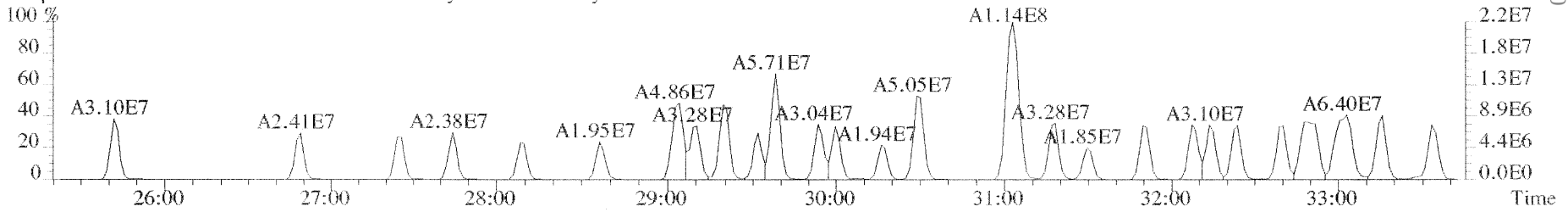
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



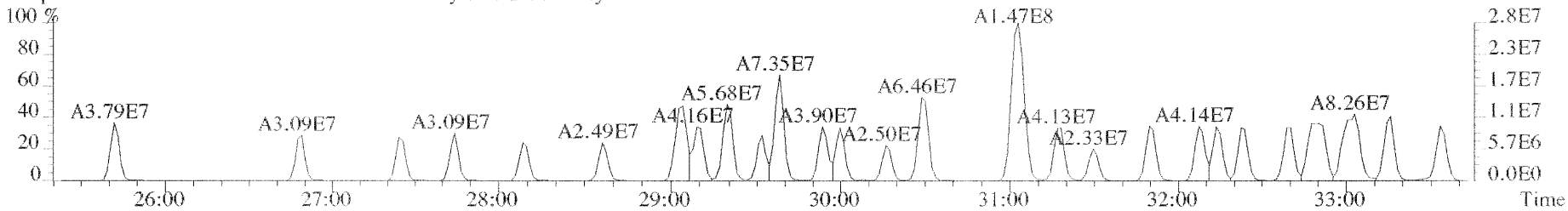
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



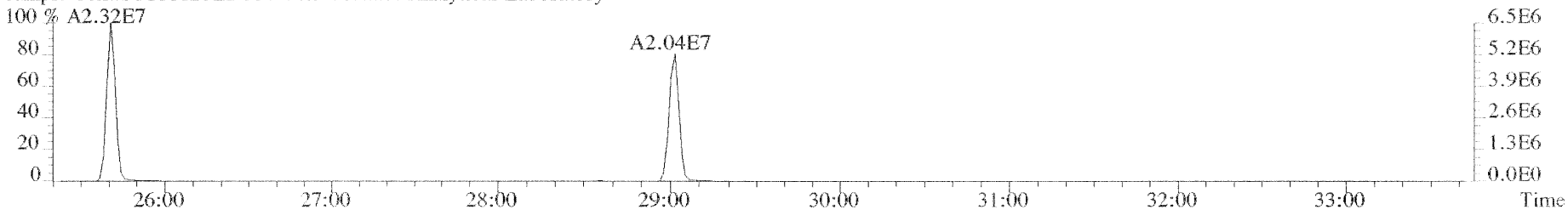
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



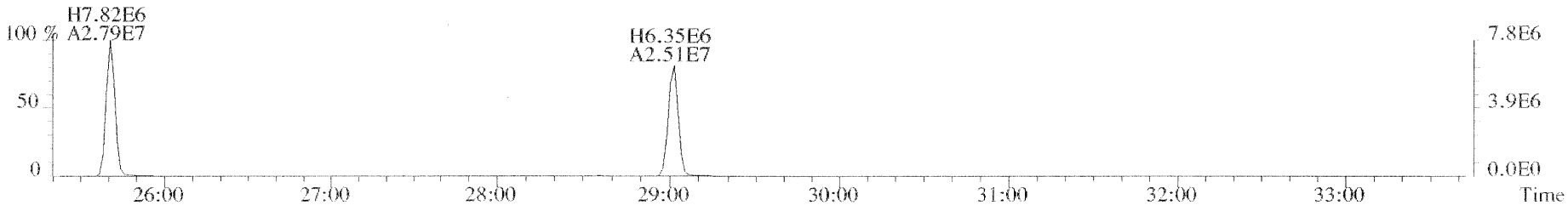
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



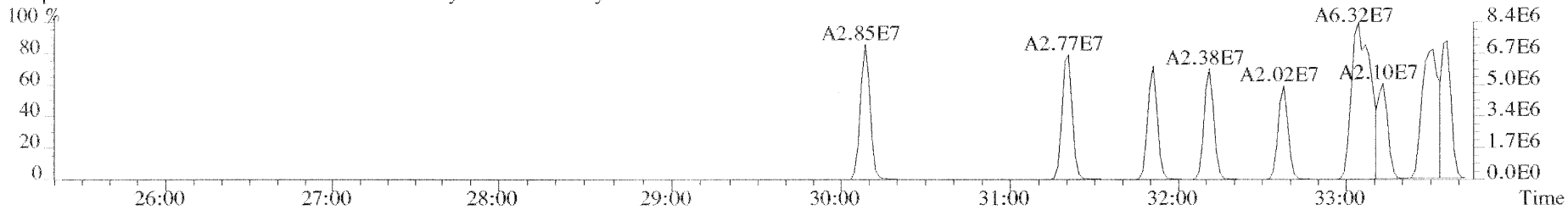
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



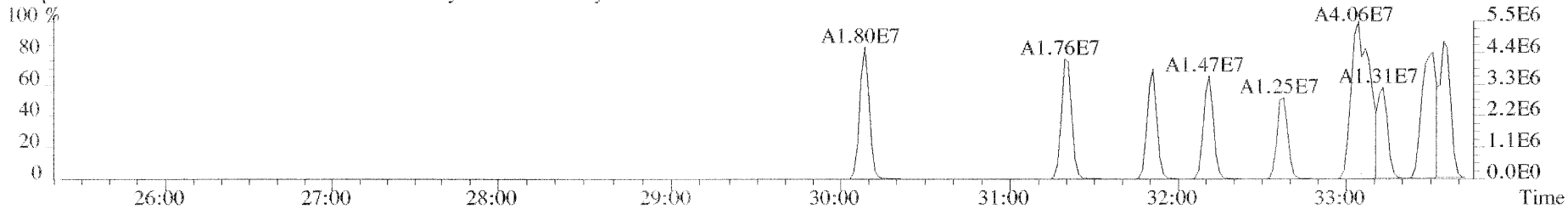
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



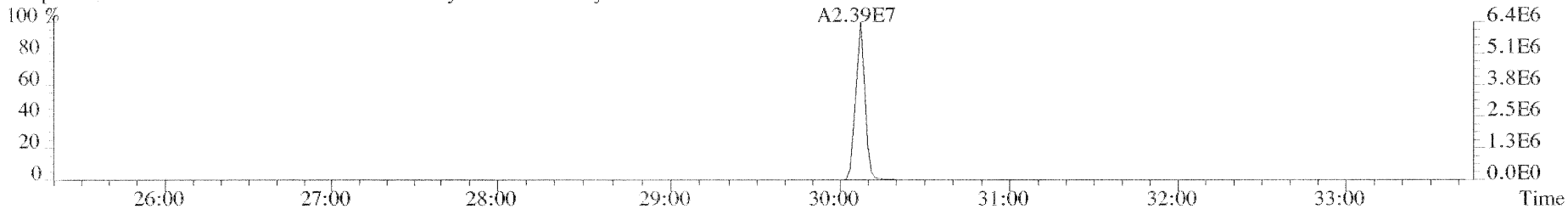
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



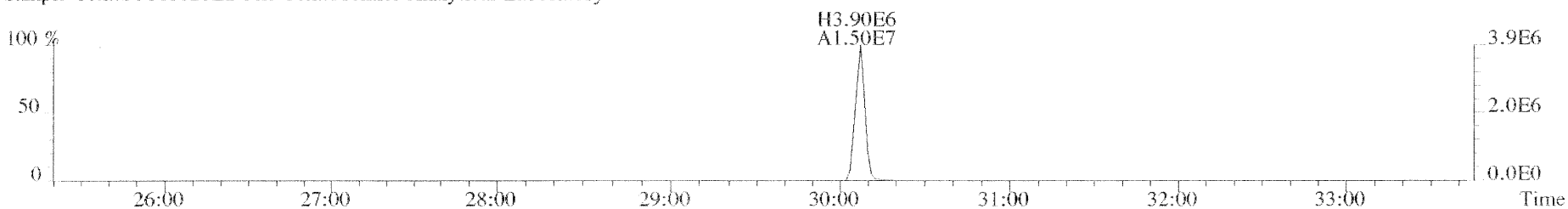
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



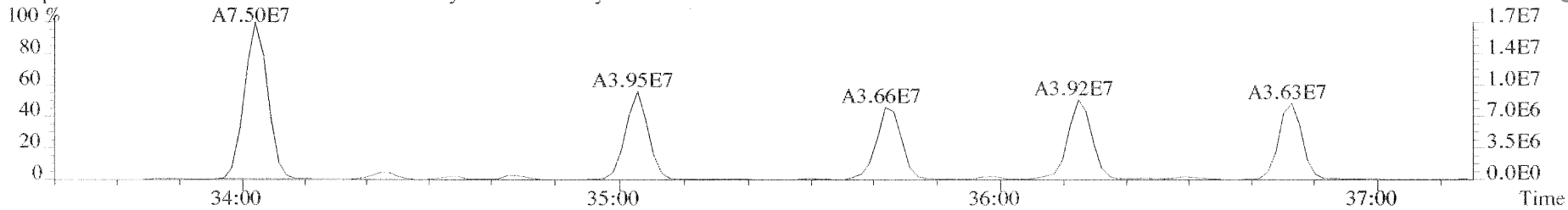
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



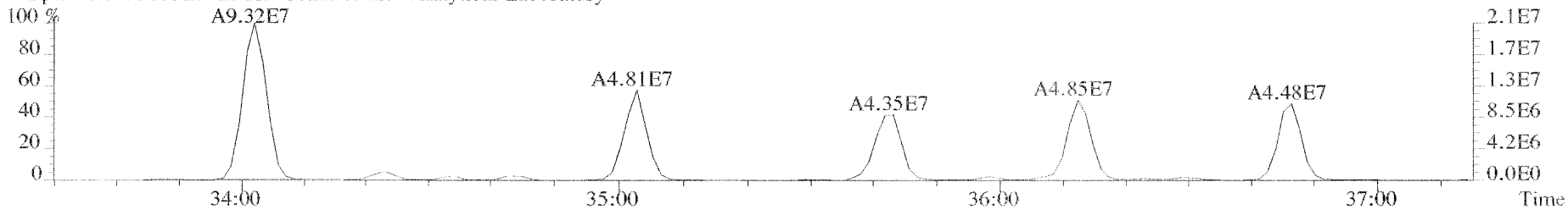
File:11NOV20Z #1-396 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



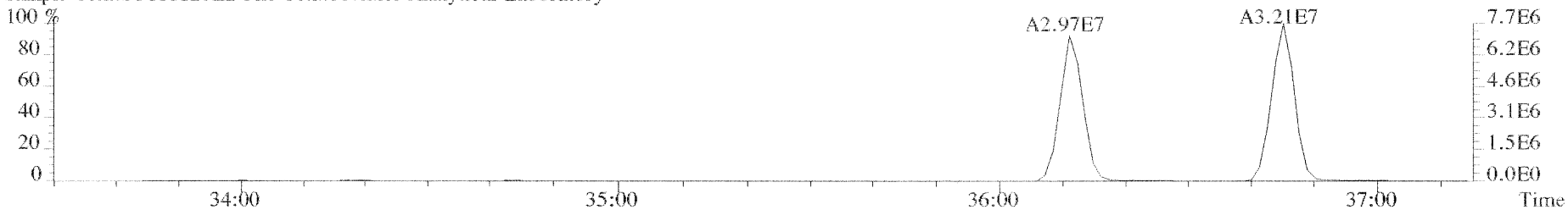
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



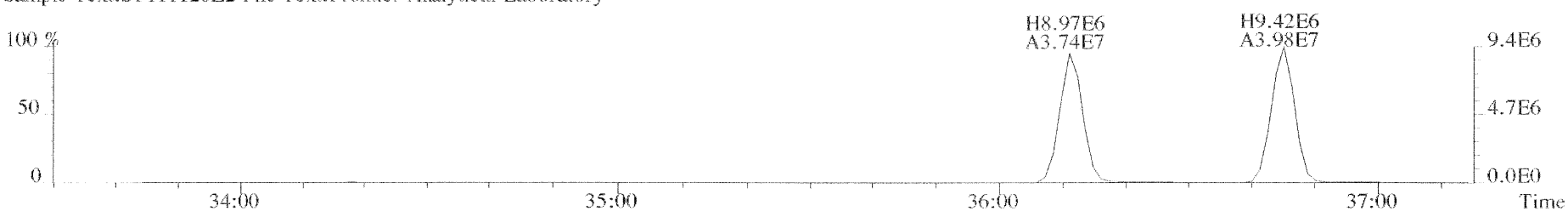
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



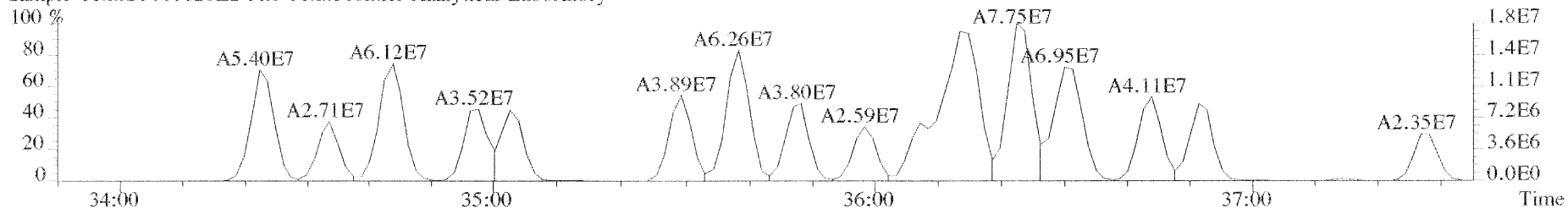
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



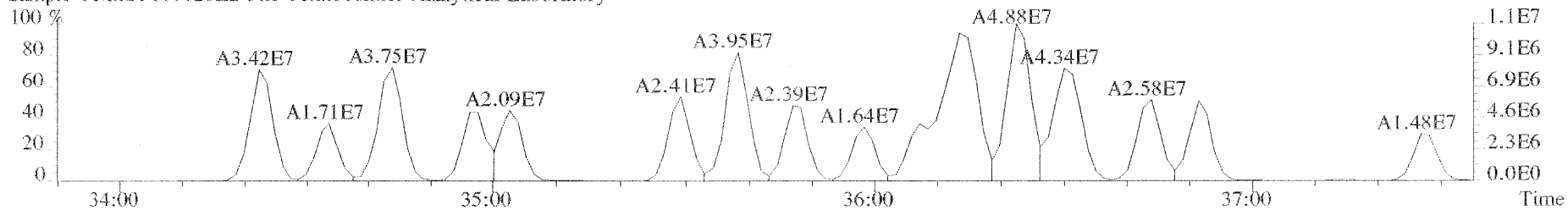
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



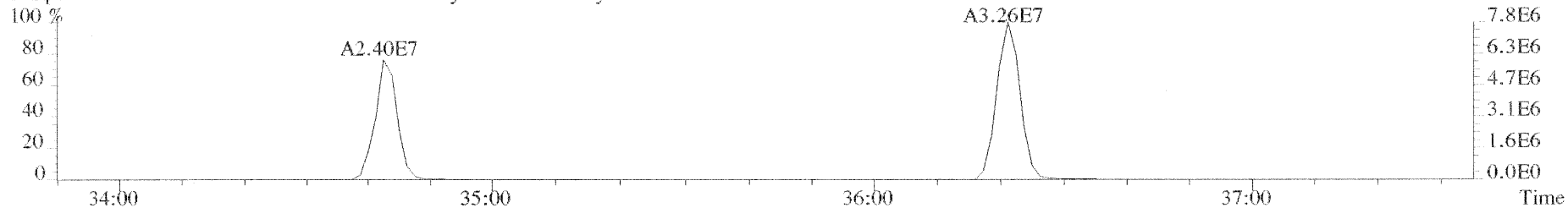
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



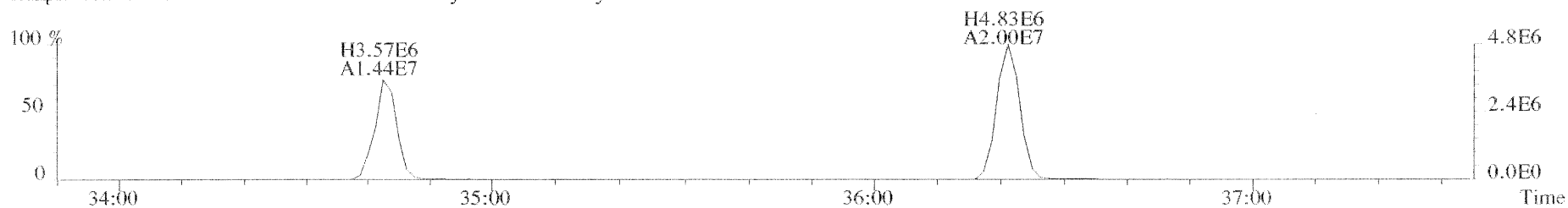
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



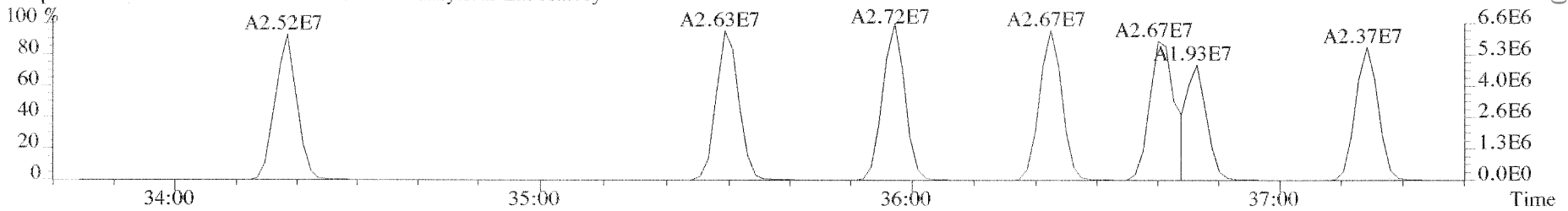
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



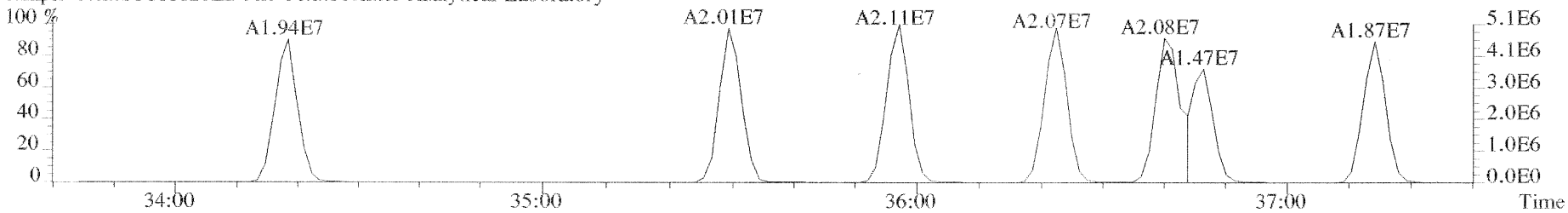
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



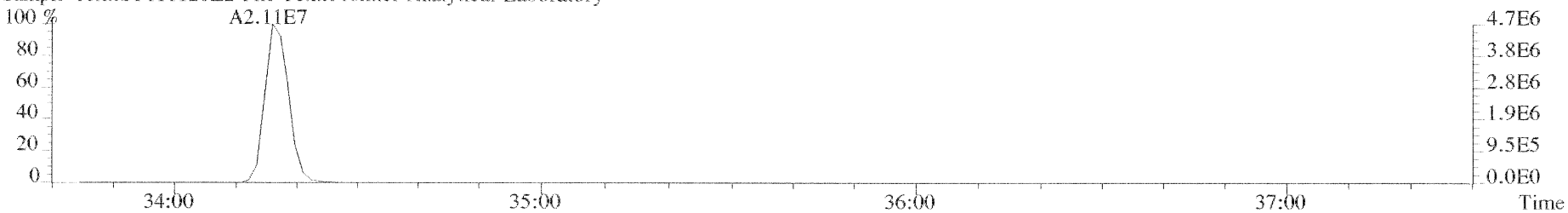
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



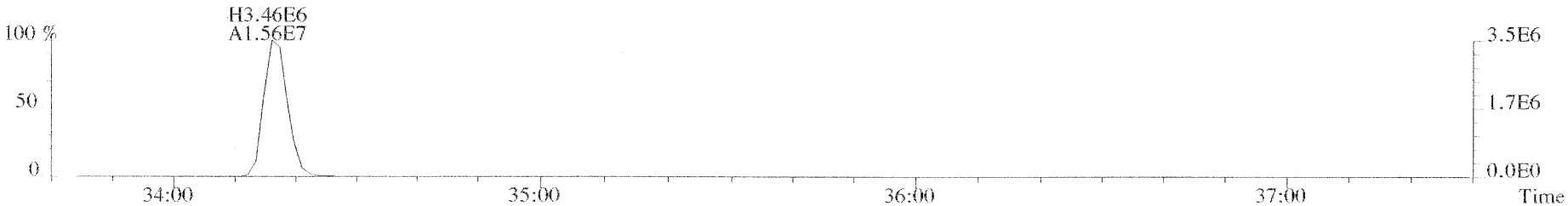
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



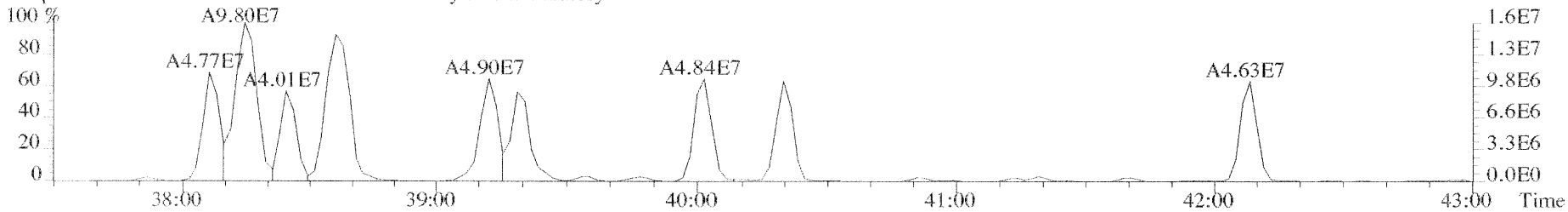
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



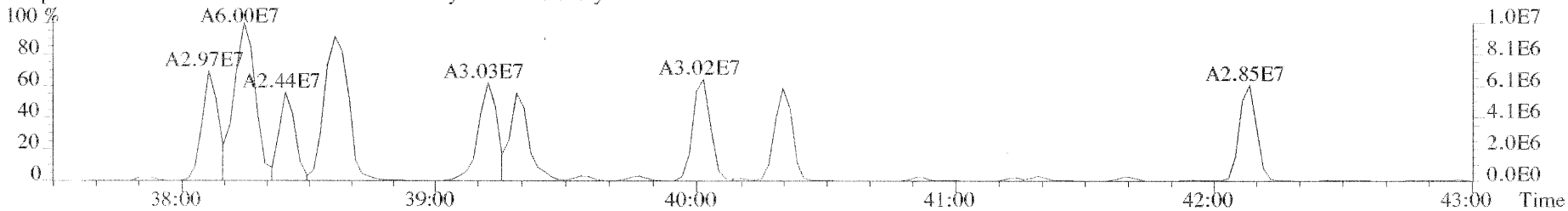
File:11NOV20Z #1-184 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



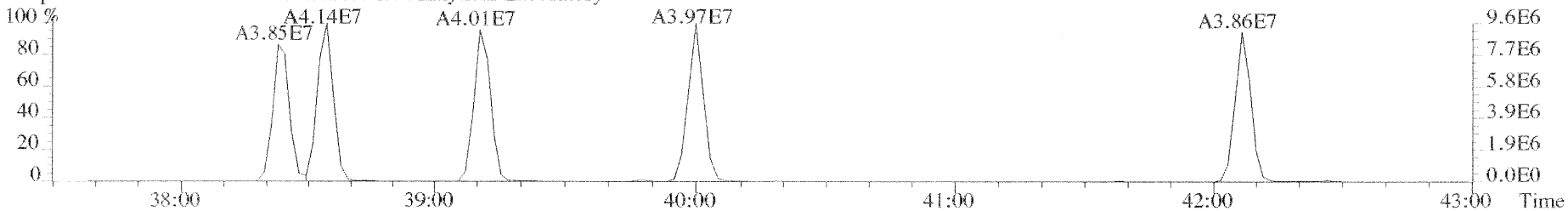
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



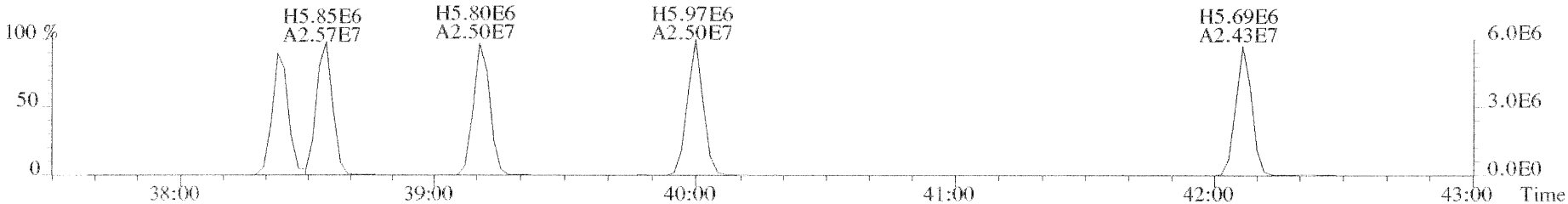
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



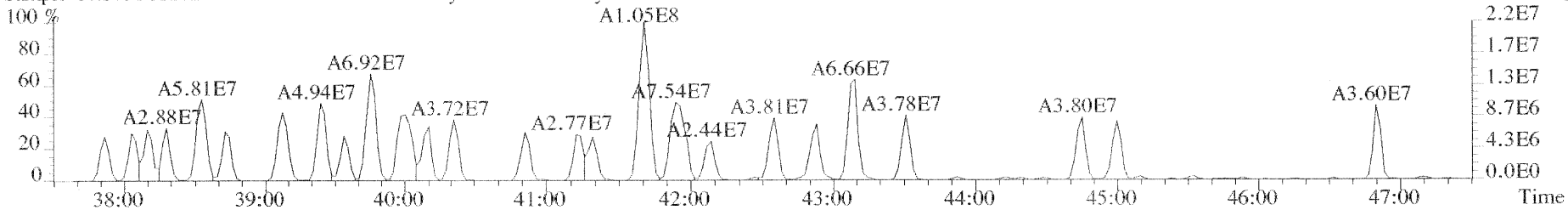
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



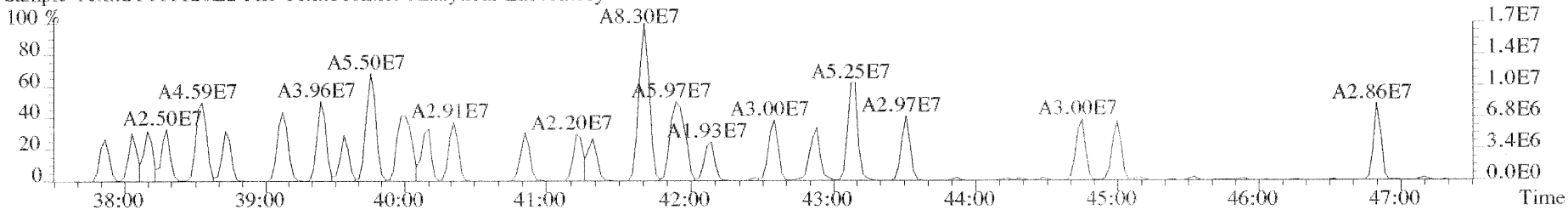
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



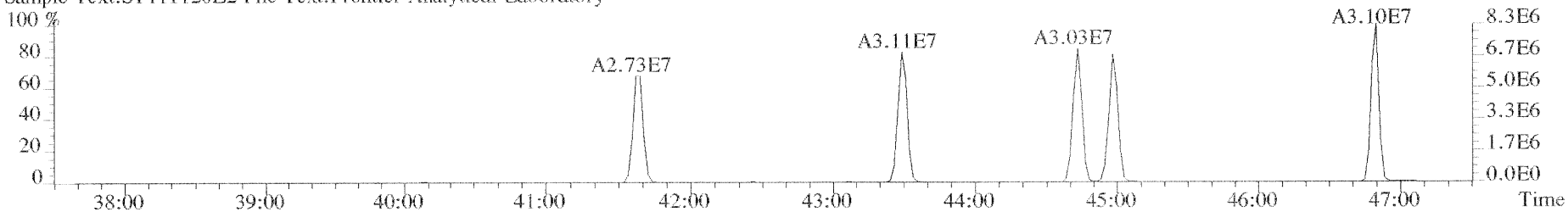
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



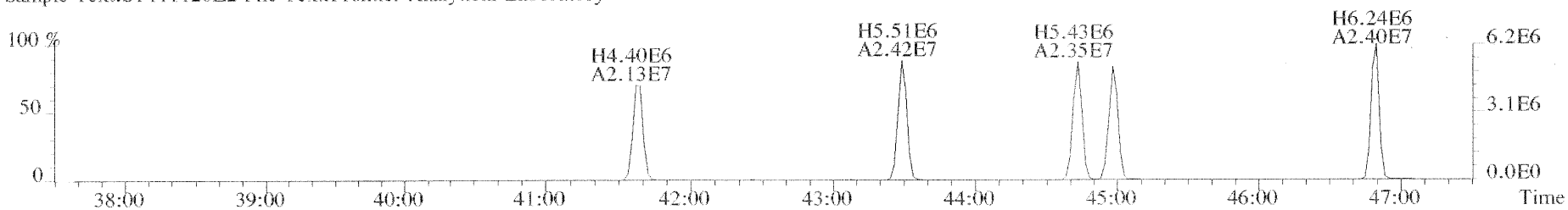
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



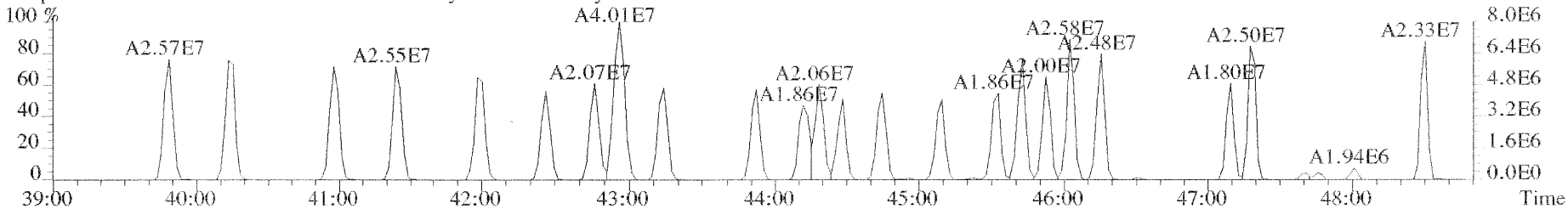
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



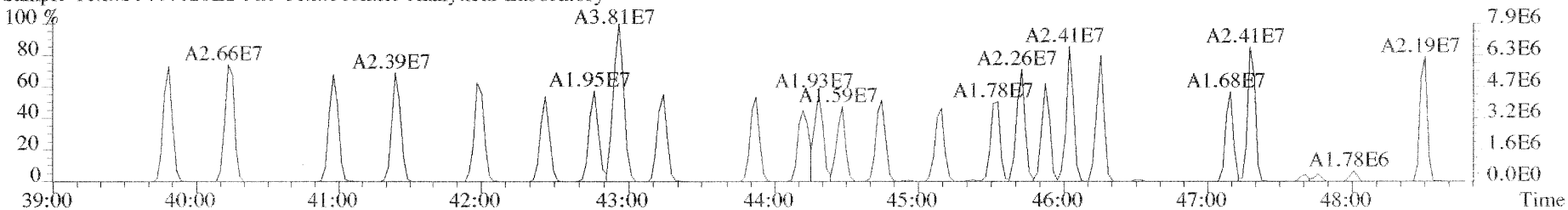
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



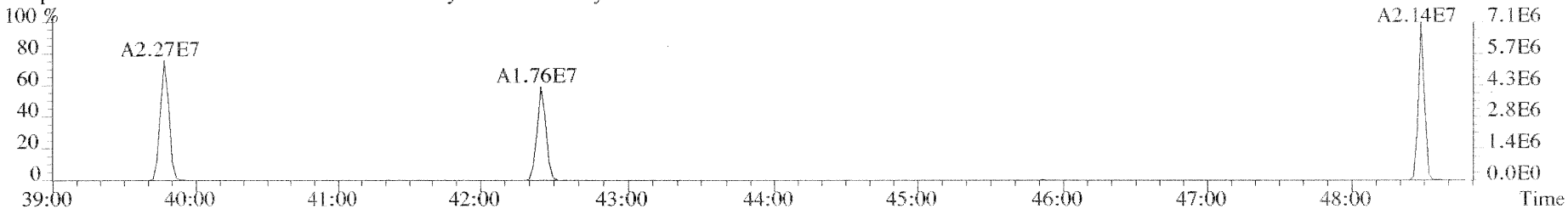
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



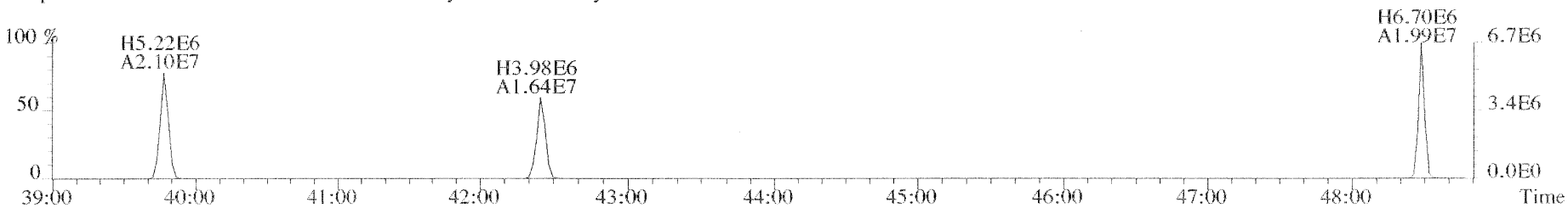
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



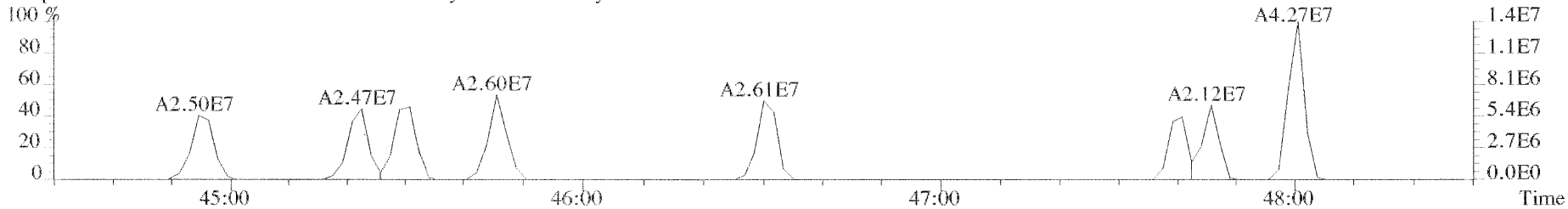
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



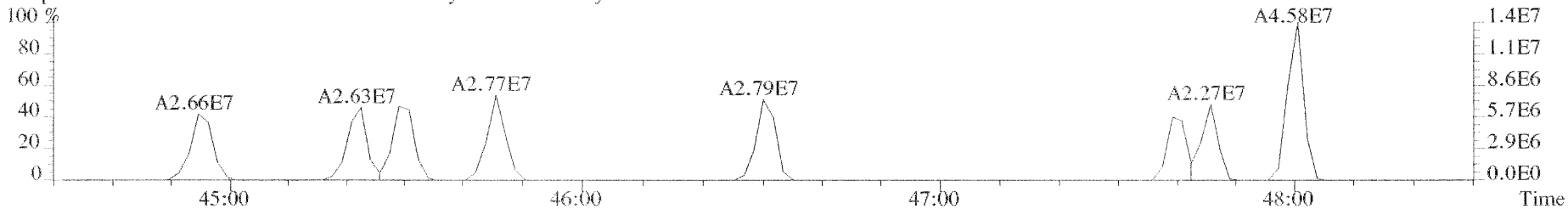
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



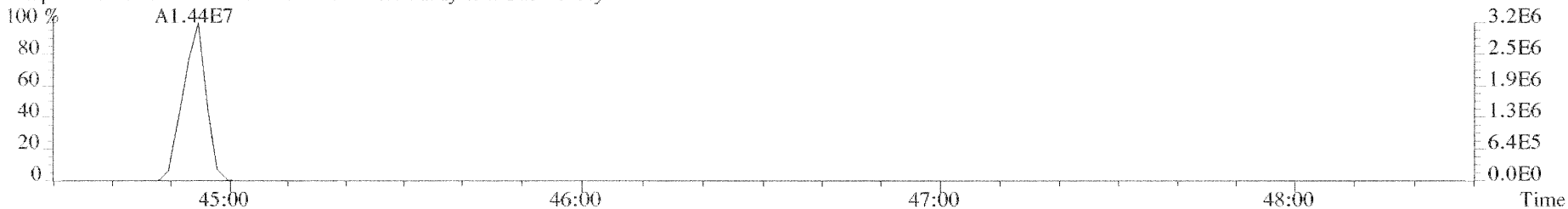
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



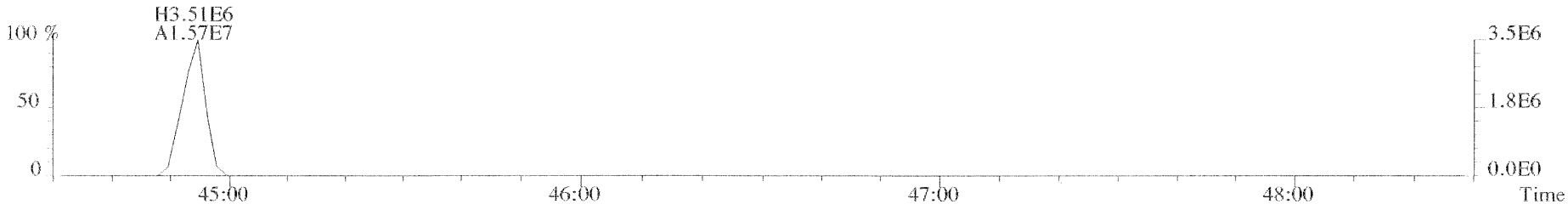
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



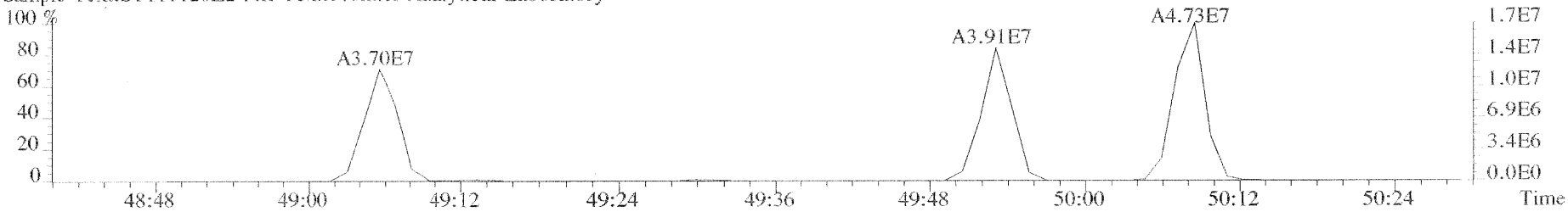
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



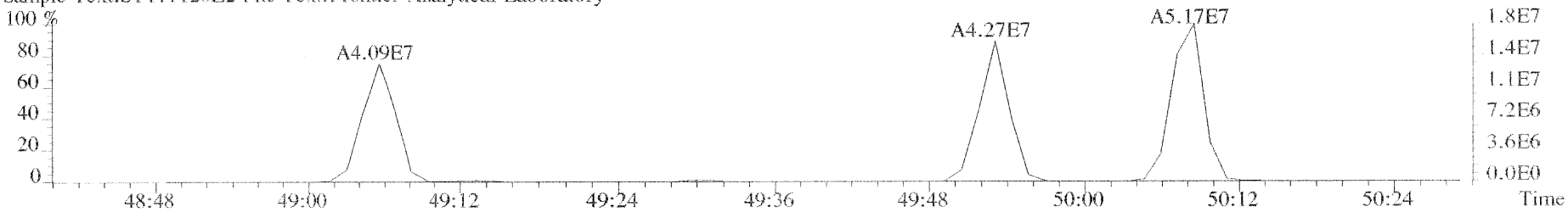
File:11NOV20Z #1-407 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



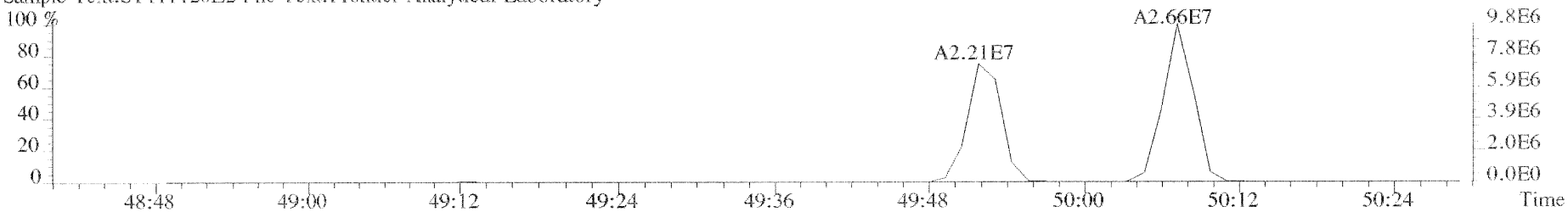
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



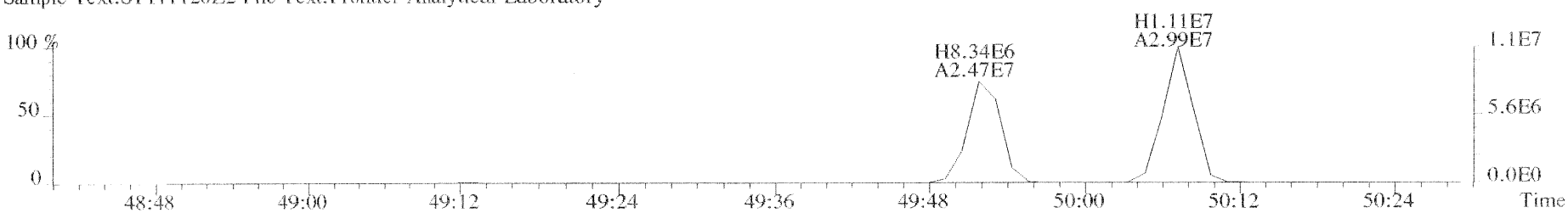
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



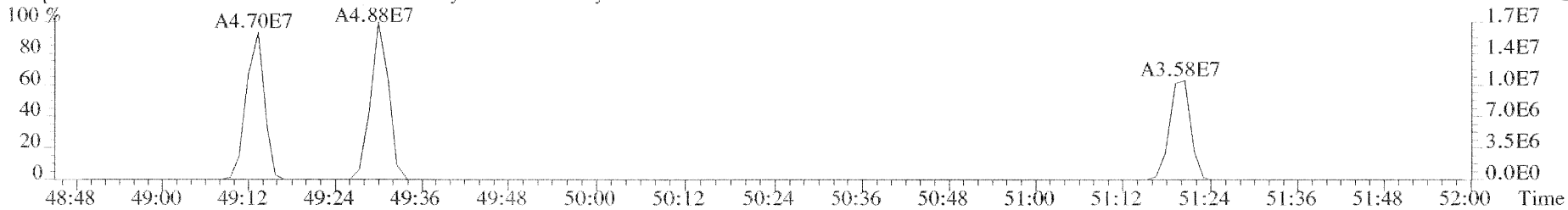
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



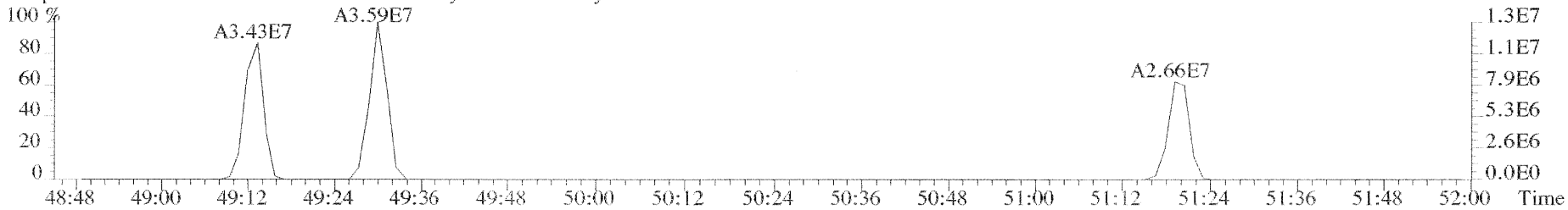
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



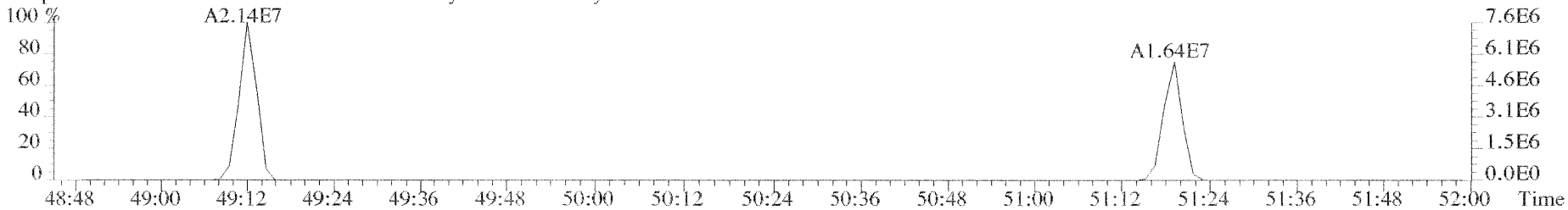
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



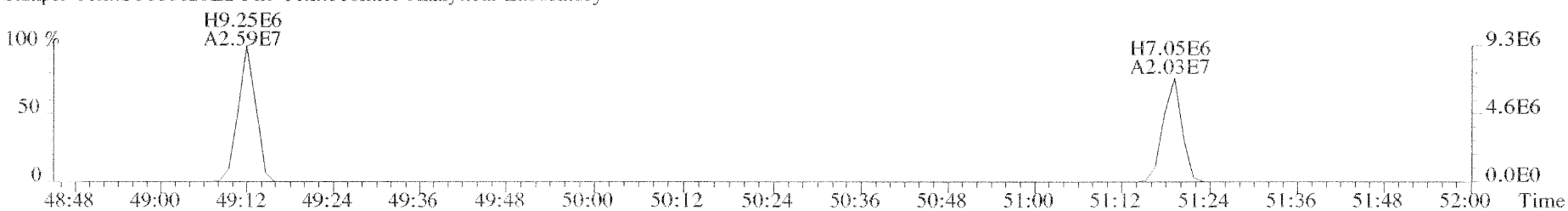
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



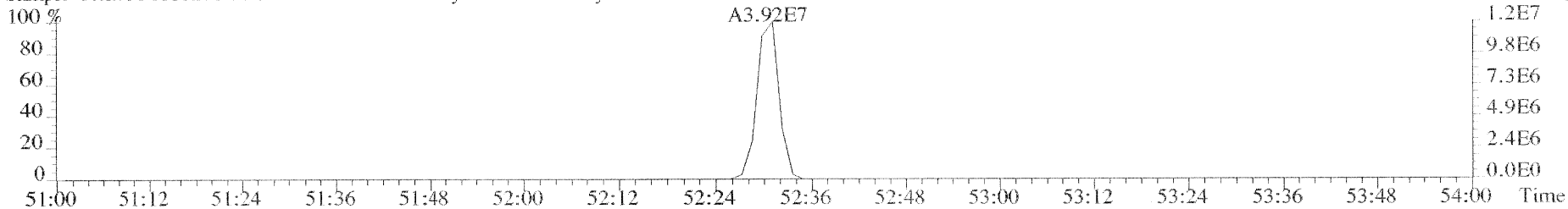
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



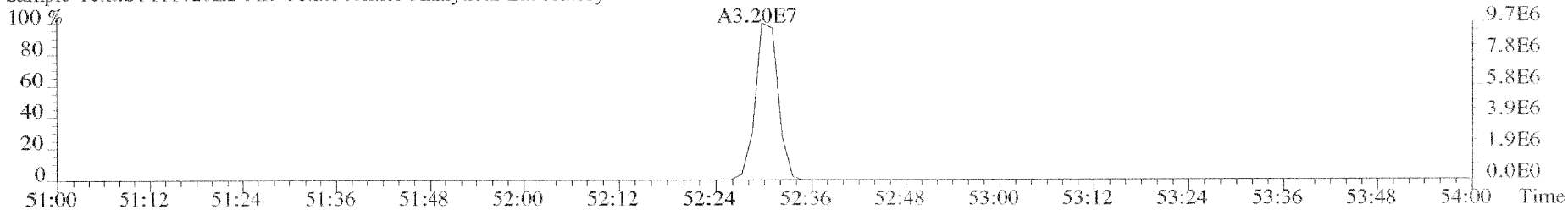
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



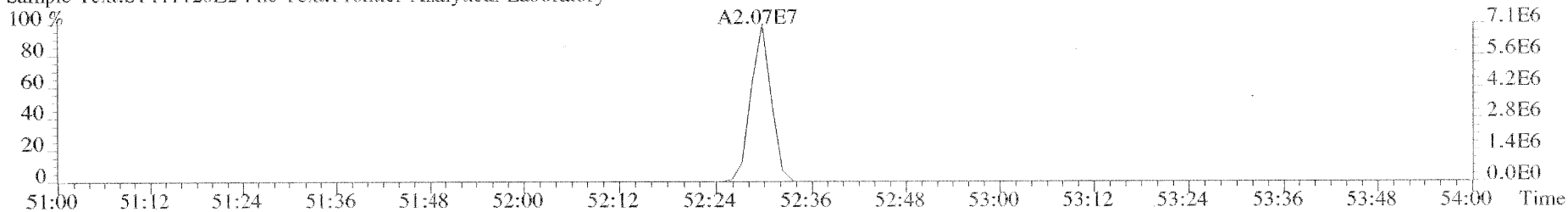
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



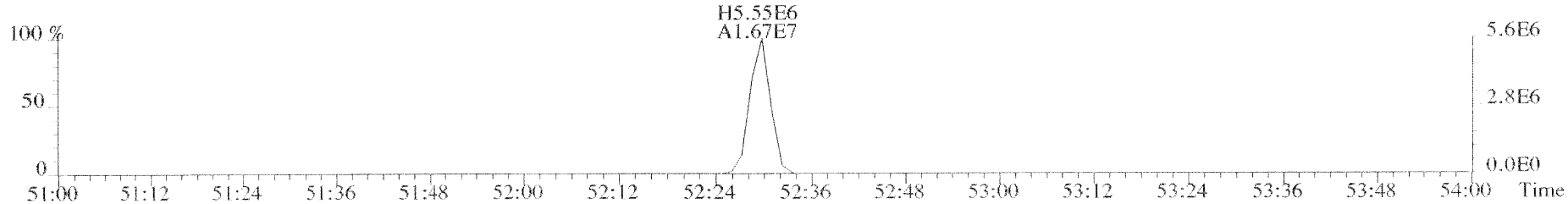
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



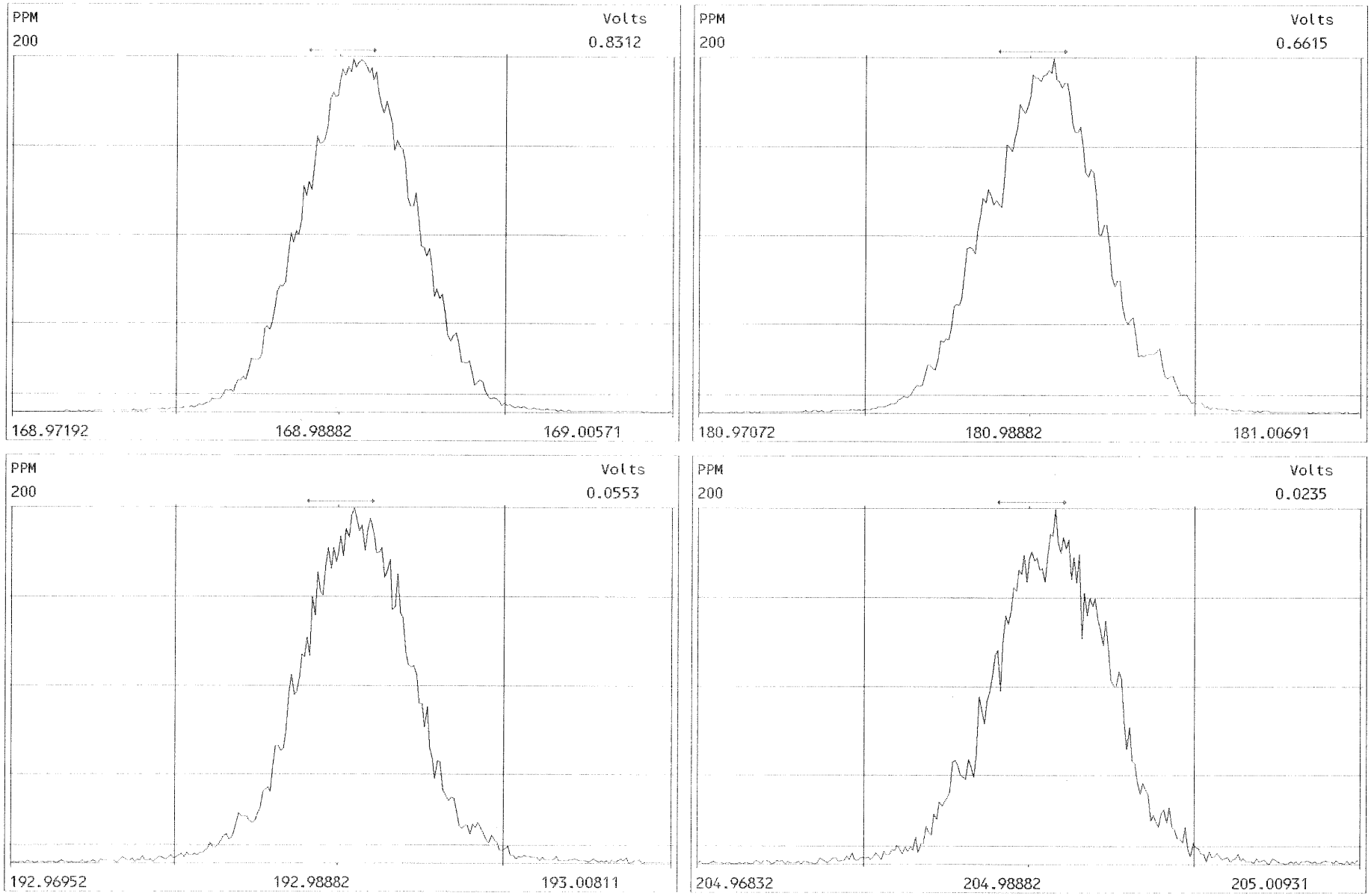
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory



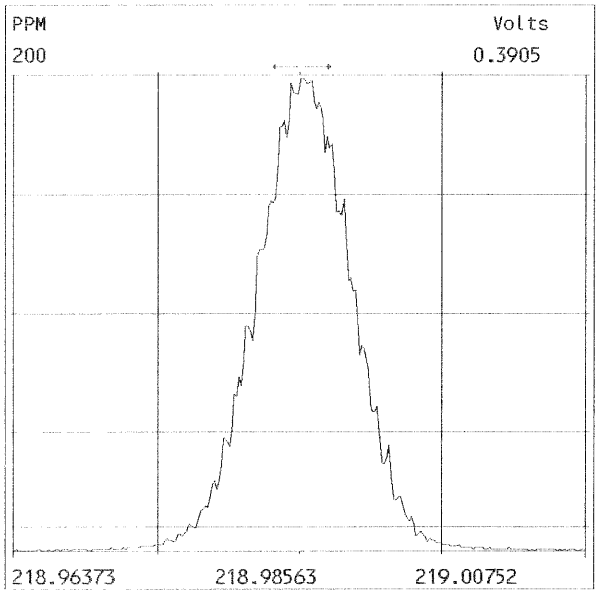
File:11NOV20Z #1-314 Acq:11-NOV-2020 16:54:29 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111120Z2 File Text:Frontier Analytical Laboratory

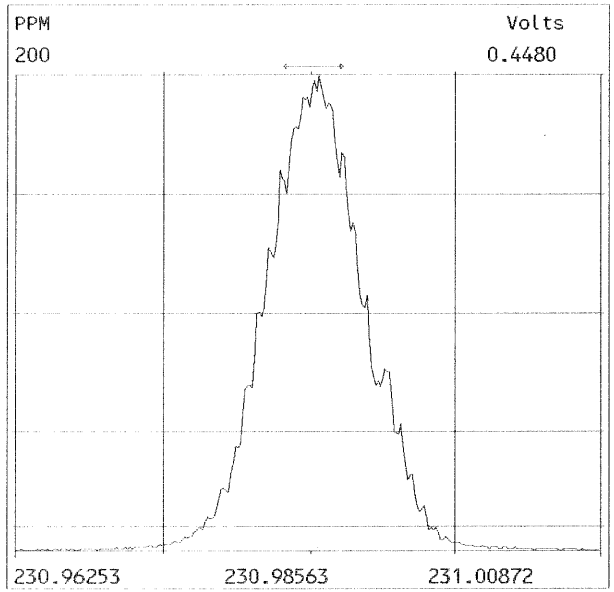


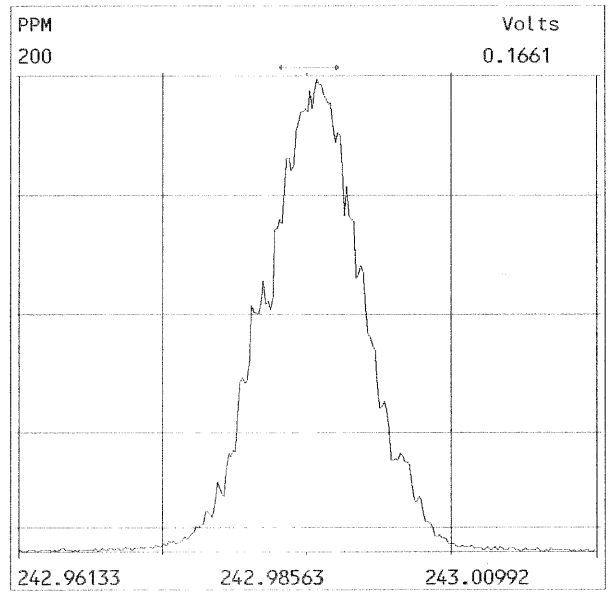
Peak Locate Examination:11-NOV-2020:18:21 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

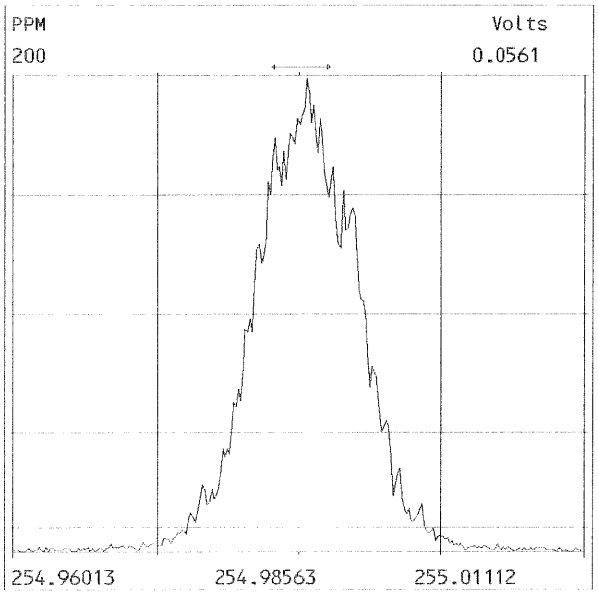


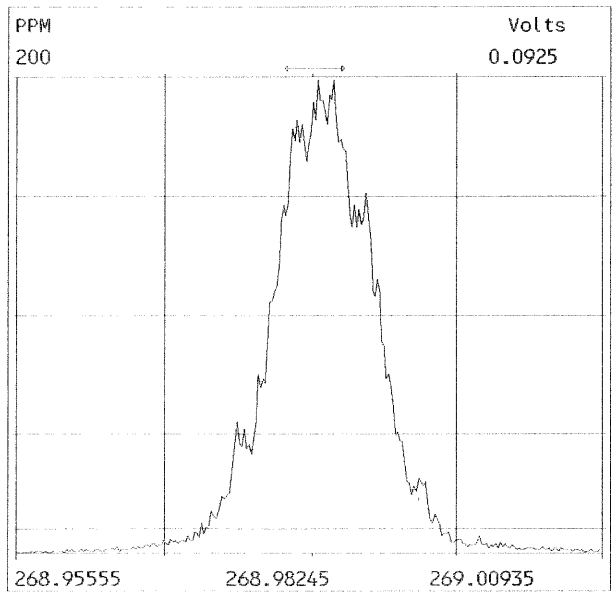
Peak Locate Examination:11-NOV-2020:18:24 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

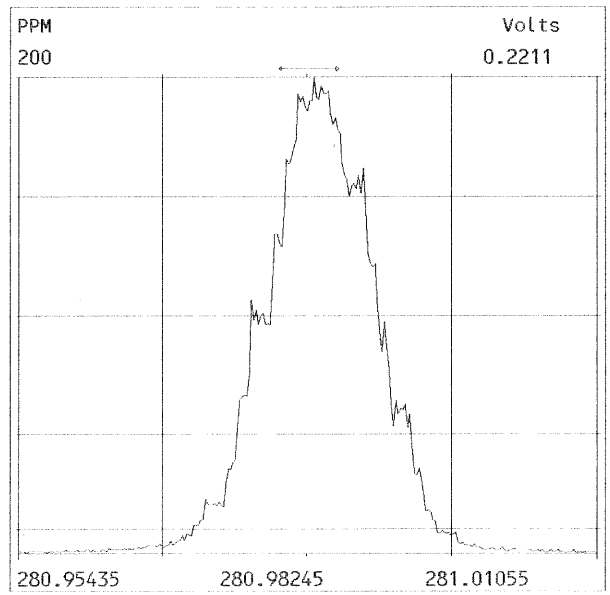




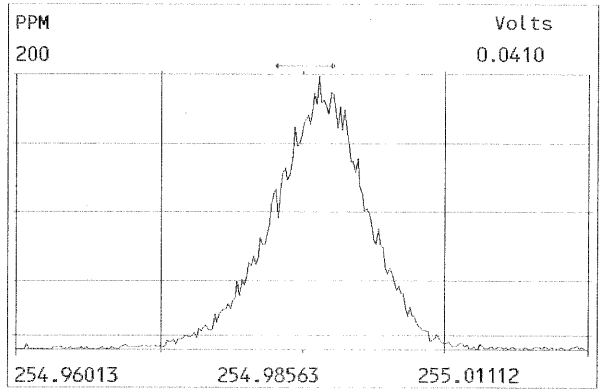


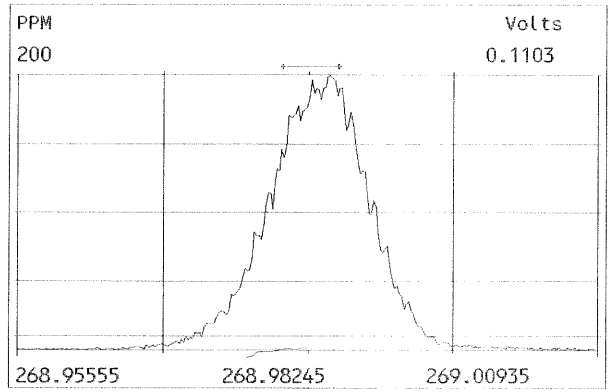


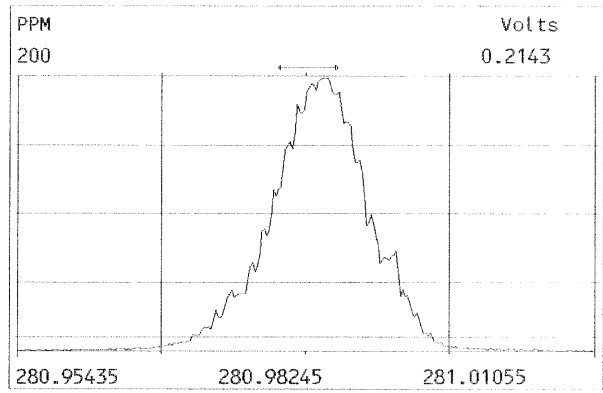


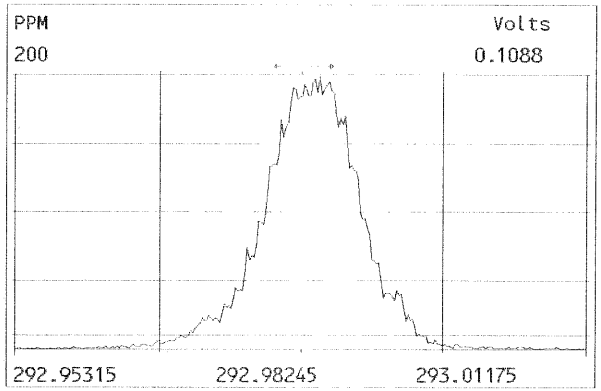


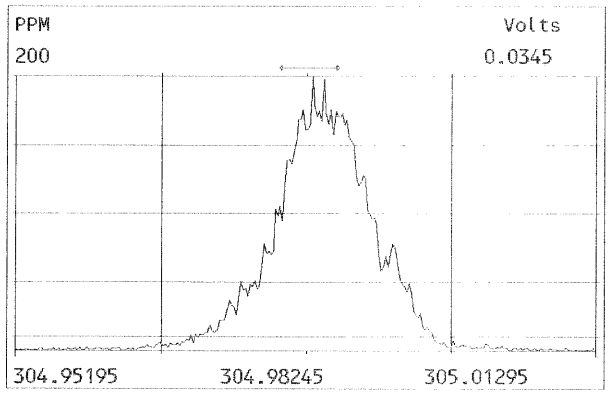
Peak Locate Examination:11-NOV-2020:18:26 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

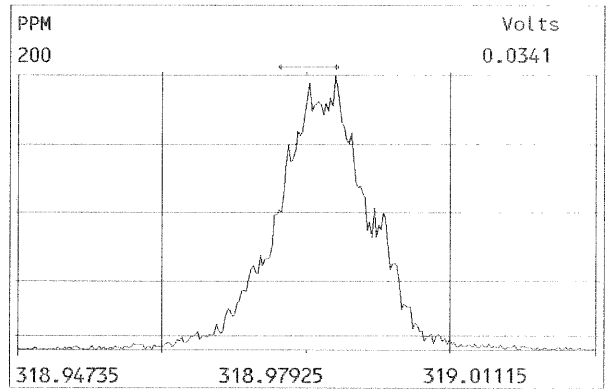


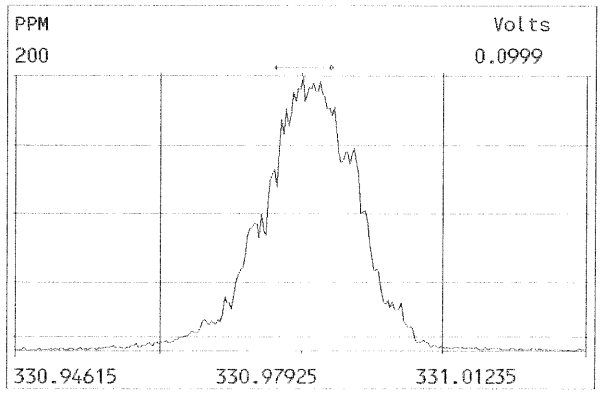


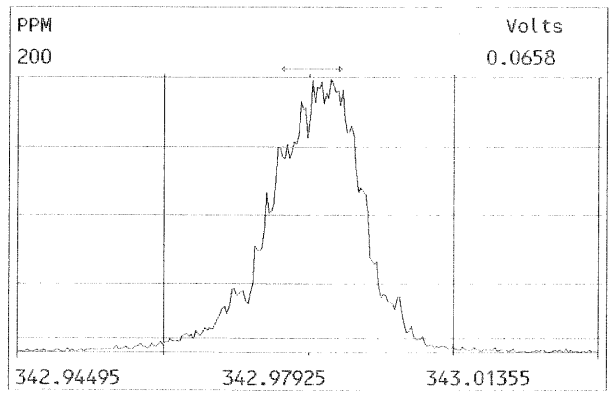




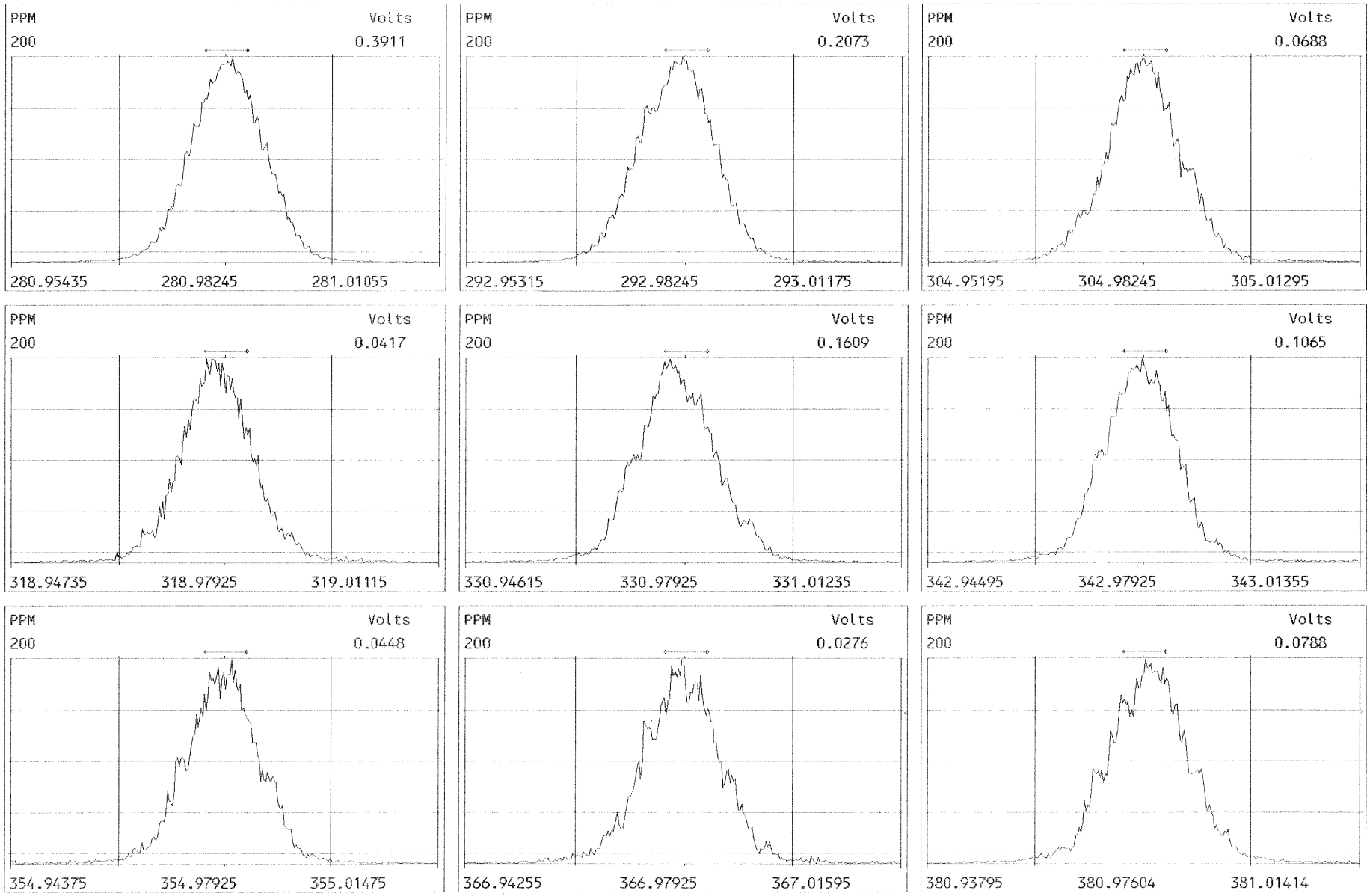




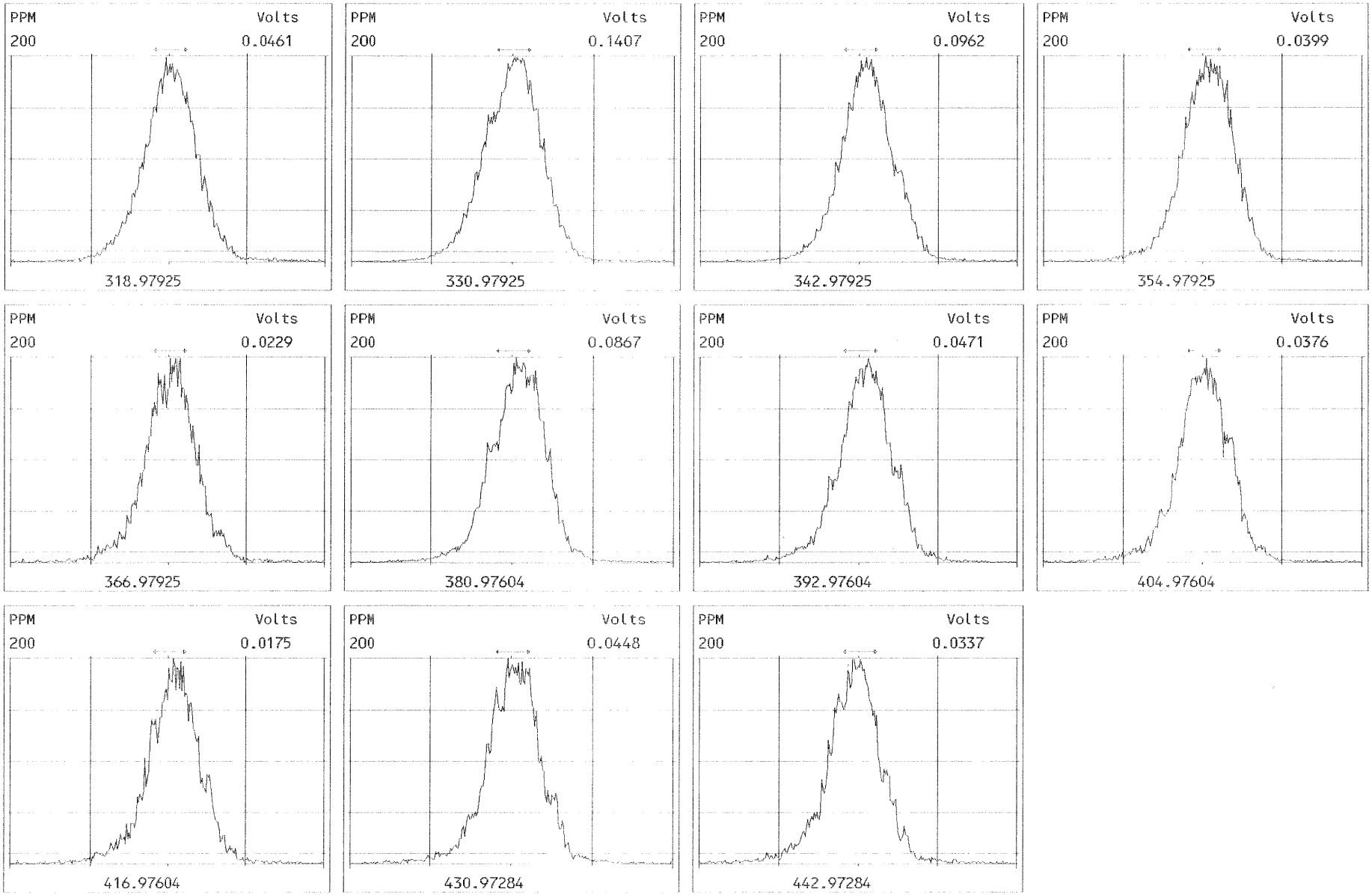


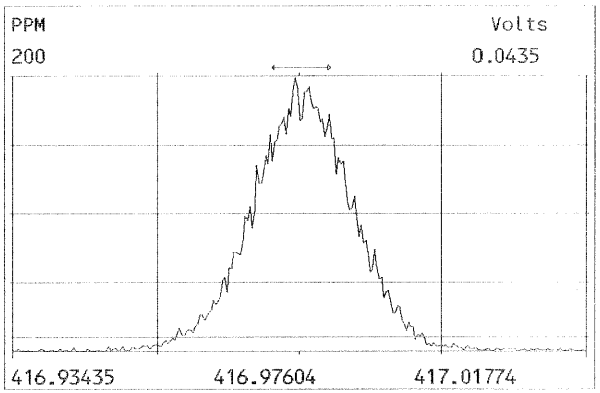
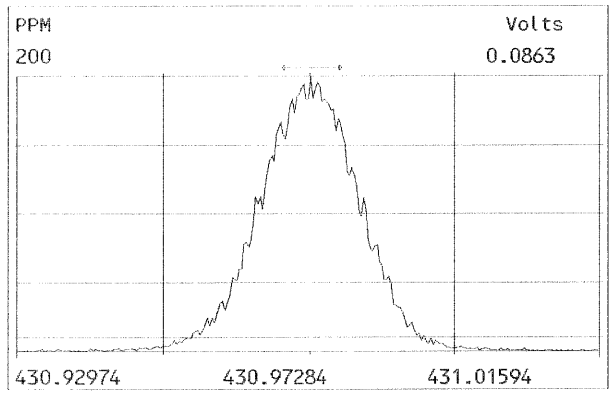
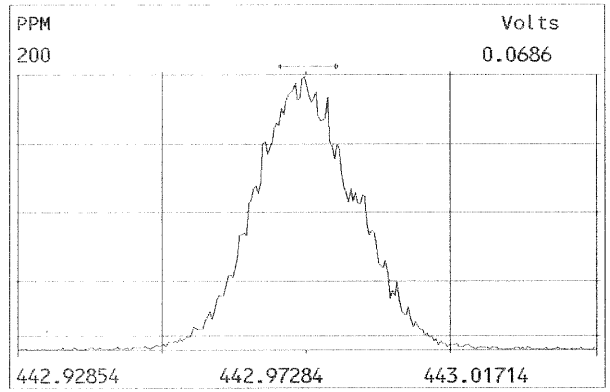
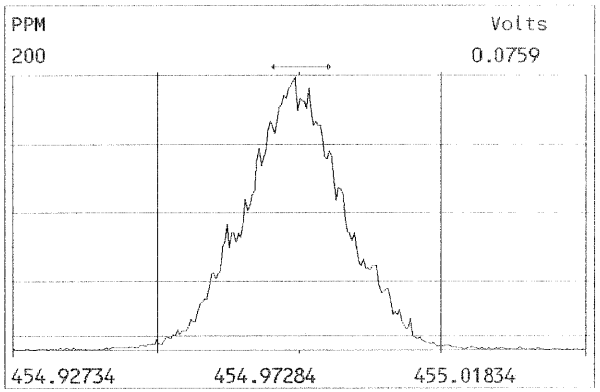
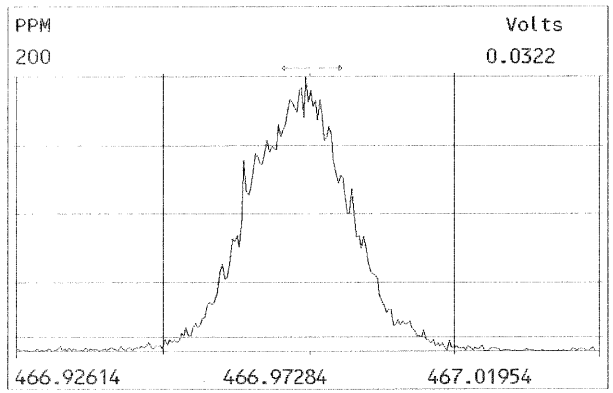
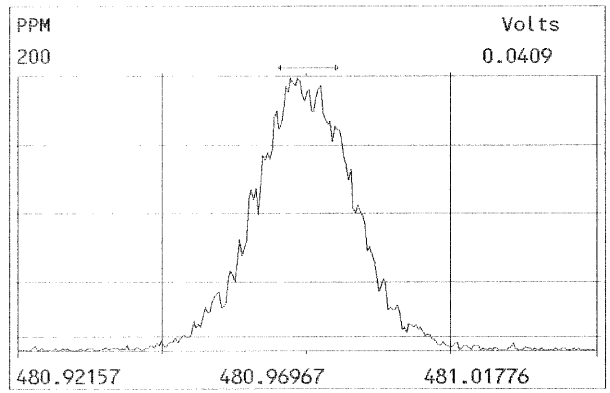
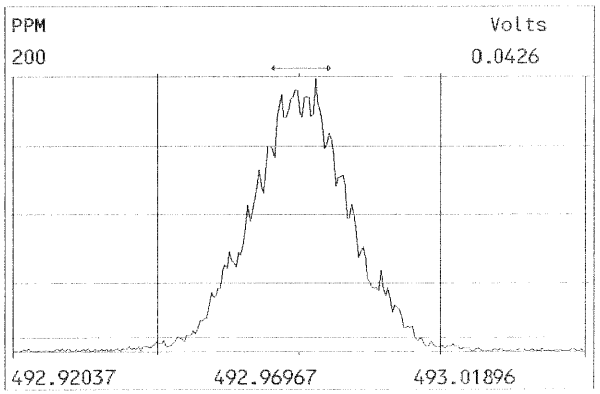
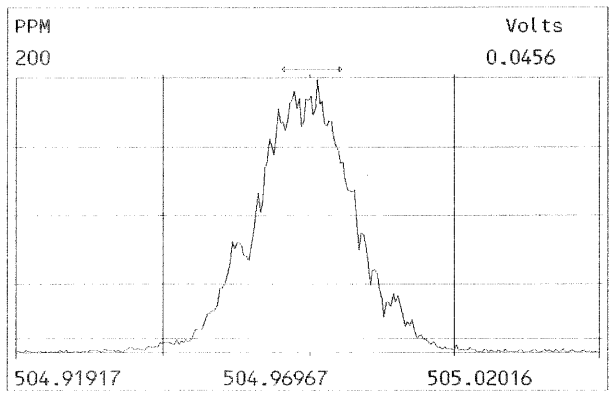
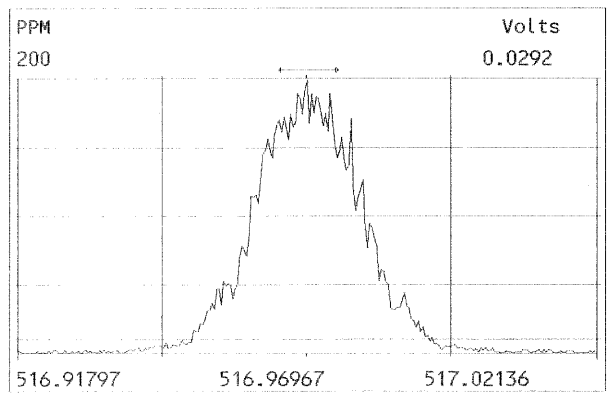


Peak Locate Examination:11-NOV-2020:18:28 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination:11-NOV-2020:18:31 File:11NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:11-NOV-2020:18:33 File:11NOV20Z_RES_CHECK

Experiment:1668PCB Function:6 Reference:PFK