November 3, 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 **13237**. These results correspond to your **LDW ENR/AC Pilot Study** project. Ten sediment samples were received on 7/28/20 at Frontier Analytical Laboratory. As per your e-mail instructions on 7/28/20, all ten sediment samples were placed on hold. On 10/19/20 you contacted us by e-mail to request samples 13237-001-SA, 13237-002-SA, 13237-003-SA, 13237-006-SA, 13237-008-SA and 13237-009-SA (Floyd | Snider Sample IDs: LDW-Y3-SU-ENR-CA-CORE, LDW-Y3-SU-ENR-CB-CORE, LDW-Y3-SU-ENR-CC-CORE, LDW-Y3-SU-ENR+AC-CA-CORE, LDW-Y3-SU-ENR+AC-CC-CORE and LDW-Y3-SU-ENR+AC-CD-CORE respectively) be taken off hold. These six 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 **13237**.

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-mails dated 7/28/20 and 10/19/20, our sample login form and the 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 **13237**, 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: **13237**

Received on: **07/28/2020** Project Due: **08/19/2020** Storage: **R-3**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13237-001-SA	0	LY15160310	LDW-Y3-SU-ENR-CA-CORE	EPA 1668 PCB	Sediment	07/24/2020	09:25 am	07/26/2021
13237-002-SA	0	LY15160310	LDW-Y3-SU-ENR-CB-CORE	EPA 1668 PCB	Sediment	07/24/2020	09:30 am	07/26/2021
13237-003-SA	0	LY15160310	LDW-Y3-SU-ENR-CC-CORE	EPA 1668 PCB	Sediment	07/24/2020	09:40 am	07/26/2021
13237-004-SA	0	LY15160310	LDW-Y3-SU-ENR-CD-CORE	EPA 1668 PCB	Sediment	07/24/2020	09:45 am	07/26/2021
13237-005-SA	0	LY15160310	LDW-Y3-SU-ENR-CE-CORE	EPA 1668 PCB	Sediment	07/24/2020	10:00 am	07/26/2021
13237-006-SA	0	LY15160310	LDW-Y3-SU-ENR+AC-CA-CORE	EPA 1668 PCB	Sediment	07/24/2020	10:25 am	07/26/2021
13237-007-SA	0	LY15160310	LDW-Y3-SU-ENR+AC-CB-CORE	EPA 1668 PCB	Sediment	07/24/2020	10:30 am	07/26/2021
13237-008-SA	0	LY15160310	LDW-Y3-SU-ENR+AC-CC-CORE	EPA 1668 PCB	Sediment	07/24/2020	10:40 am	07/26/2021
13237-009-SA	0	LY15160310	LDW-Y3-SU-ENR+AC-CD-CORE	EPA 1668 PCB	Sediment	07/24/2020	10:45 am	07/26/2021
13237-010-SA	0	LY15160310	LDW-Y3-SU-ENR+AC-CE-CORE	EPA 1668 PCB	Sediment	07/24/2020	11:00 am	07/26/2021

FAL Sample ID	Notes
13237-001-SA	Sample off hold as of 10/19/20. Due Date: 11/11/20.
13237-002-SA	Sample off hold as of 10/19/20. Due Date: 11/11/20
13237-003-SA	Sample off hold as of 10/19/20. Due Date: 11/11/20
13237-004-SA	'HOLD'
13237-005-SA	'HOLD'
13237-006-SA	Sample off hold as of 10/19/20. Due Date: 11/11/20
13237-007-SA	HOLD
13237-008-SA	Sample off hold as of 10/19/20. Due Date: 11/11/20
13237-009-SA	Sample jar was received broken. Transferred sample into a clean amber jar. Sample off hold as of 10/19/20. Due Date: 11/11/20
13237-010-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: 13237-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.487			PCB-51	ND	0.629		
PCB-2	ND	0.518			PCB-52	ND	0.624	C	69
PCB-3	ND	0.568			PCB-53	ND	0.646		
PCB-4	ND	1.13			PCB-54	ND	0.523		
PCB-5	ND	0.775			PCB-55	ND	0.484		
PCB-6	ND	0.810			PCB-56	ND	0.680	C	60
PCB-7	ND	0.818			PCB-57	ND	0.496		
PCB-8	ND	0.803			PCB-58	ND	0.513		
PCB-9	ND	0.784			PCB-59	-	-	C042	42
PCB-10	ND	0.795			PCB-60	-	-	C056	56
PCB-11	ND	0.809			PCB-61	ND	0.537	C	70
PCB-12	ND	0.788			PCB-62	ND	0.516		
PCB-13	ND	0.789			PCB-63	ND	0.492		
PCB-14	ND	0.772			PCB-64	-	-	C041	41/71/72
PCB-15	ND	0.823			PCB-65	ND	0.516		
PCB-16	ND	0.538			PCB-66	ND	0.479	C	76
PCB-17	ND	0.570			PCB-67	ND	0.481		
PCB-18	ND	0.601			PCB-68	ND	0.471		
PCB-19	ND	0.640			PCB-69	-	-	C052	52
PCB-20	ND	0.547	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.511			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.508			PCB-73	ND	0.480		
PCB-24	ND	0.440			PCB-74	ND	0.484		
PCB-25	ND	0.554			PCB-75	-	-	C048	48
PCB-26	ND	0.520			PCB-76	-	-	C066	66
PCB-27	ND	0.433			PCB-77	ND	0.653		
PCB-28	ND	0.482			PCB-78	ND	0.641		
PCB-29	ND	0.512			PCB-79	ND	0.643		
PCB-30	ND	0.420			PCB-80	ND	0.428		
PCB-31	ND	0.492			PCB-81	ND	0.631		
PCB-32	ND	0.486			PCB-82	ND	0.971		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.756	C	112
PCB-34	ND	0.576			PCB-84	ND	0.896	C	92
PCB-35	ND	0.532			PCB-85	ND	0.706	C	116
PCB-36	ND	0.519			PCB-86	ND	0.960		
PCB-37	ND	0.524			PCB-87	ND	0.668	C	117/125
PCB-38	ND	0.489			PCB-88	ND	0.797	C	91
PCB-39	ND	0.512			PCB-89	ND	0.917		
PCB-40	ND	0.852			PCB-90	ND	0.786	C	101
PCB-41	ND	0.549	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.616	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.664	C	49	PCB-93	ND	0.897		
PCB-44	ND	0.760			PCB-94	ND	0.887		
PCB-45	ND	0.724			PCB-95	ND	0.761		
PCB-46	ND	0.759			PCB-96	ND	0.637		
PCB-47	ND	0.641			PCB-97	ND	0.907		
PCB-48	ND	0.531	C	75	PCB-98	ND	0.897	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.736		
PCB-50	ND	0.630			PCB-100	ND	0.741		

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: 13237-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.752		
PCB-102	-	-	C098	98	PCB-152	ND	0.797		
PCB-103	ND	0.745			PCB-153	ND	0.598		
PCB-104	ND	0.623			PCB-154	ND	0.877		
PCB-105	ND	0.828			PCB-155	ND	0.778		
PCB-106	ND	0.749	C	118	PCB-156	ND	0.548		
PCB-107	ND	0.767	C	108	PCB-157	ND	0.613		
PCB-108	-	-	C107	107	PCB-158	ND	0.558	C	160
PCB-109	ND	0.644			PCB-159	ND	0.552		
PCB-110	ND	0.610			PCB-160	-	-	C158	158
PCB-111	ND	0.613	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.665			PCB-163	-	-	C138	138/164
PCB-114	ND	0.729			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.563		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.589		
PCB-118	-	-	C	106	PCB-168	ND	0.584		
PCB-119	ND	0.596			PCB-169	ND	0.597		
PCB-120	ND	0.579			PCB-170	ND	0.788		
PCB-121	ND	0.667			PCB-171	ND	0.742		
PCB-122	ND	0.740			PCB-172	ND	0.788		
PCB-123	ND	0.801			PCB-173	ND	0.814		
PCB-124	ND	0.725			PCB-174	ND	0.692		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.708		
PCB-126	ND	0.884			PCB-176	ND	0.541		
PCB-127	ND	0.781			PCB-177	ND	0.785		
PCB-128	ND	0.671	C	162	PCB-178	ND	0.746		
PCB-129	ND	0.863			PCB-179	ND	0.540		
PCB-130	ND	0.777			PCB-180	ND	0.743		
PCB-131	ND	0.824	C	133	PCB-181	ND	0.736		
PCB-132	ND	0.693	C	161	PCB-182	ND	0.655	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.674		
PCB-134	ND	0.830	C	143	PCB-184	ND	0.508		
PCB-135	ND	0.806			PCB-185	ND	0.732		
PCB-136	ND	0.847			PCB-186	ND	0.546		
PCB-137	ND	0.752			PCB-187	-	-	C182	182
PCB-138	ND	0.636	C	163/164	PCB-188	ND	0.564		
PCB-139	ND	0.703	C	149	PCB-189	ND	0.585		
PCB-140	ND	0.706			PCB-190	ND	0.590		
PCB-141	ND	0.736			PCB-191	ND	0.569		
PCB-142	ND	0.844			PCB-192	ND	0.594		
PCB-143	-	-	C134	134	PCB-193	ND	0.560		
PCB-144	ND	0.658			PCB-194	ND	0.757		
PCB-145	ND	0.811			PCB-195	ND	0.803		
PCB-146	ND	0.634	C	165	PCB-196	ND	0.863	C	203
PCB-147	ND	0.726			PCB-197	ND	0.666		
PCB-148	ND	0.969			PCB-198	ND	0.987		
PCB-149	-	-	C139	139	PCB-199	ND	0.861		
PCB-150	ND	0.777			PCB-200	ND	0.662		

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: 13237-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.638		
PCB-202	ND	0.730		
PCB-203	-	-	C196	196
PCB-204	ND	0.671		
PCB-205	ND	0.625		
PCB-206	ND	0.480		
PCB-207	ND	0.383		
PCB-208	ND	0.406		
PCB-209	ND	0.349		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	89.8	5.00 - 145	
13C-PCB-3	85.2	5.00 - 145	
13C-PCB-4	95.9	5.00 - 145	
13C-PCB-15	88.3	5.00 - 145	
13C-PCB-19	87.9	5.00 - 145	
13C-PCB-37	94.6	5.00 - 145	
13C-PCB-54	102	5.00 - 145	
13C-PCB-77	93.2	10.0 - 145	
13C-PCB-81	89.4	10.0 - 145	
13C-PCB-104	105	10.0 - 145	
13C-PCB-105	96.0	10.0 - 145	
13C-PCB-114	94.8	10.0 - 145	
13C-PCB-118	98.1	10.0 - 145	
13C-PCB-123	94.1	10.0 - 145	
13C-PCB-126	87.3	10.0 - 145	
13C-PCB-155	104	10.0 - 145	
13C-PCB-156	95.9	10.0 - 145	
13C-PCB-157	100	10.0 - 145	
13C-PCB-167	97.8	10.0 - 145	
13C-PCB-169	97.9	10.0 - 145	
13C-PCB-188	105	10.0 - 145	
13C-PCB-189	105	10.0 - 145	
13C-PCB-202	104	10.0 - 145	
13C-PCB-205	101	10.0 - 145	
13C-PCB-206	110	10.0 - 145	
13C-PCB-208	102	10.0 - 145	
13C-PCB-209	109	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	102	5.00 - 145	
13C-PCB-111	90.5	10.0 - 145	
13C-PCB-178	101	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-001-OPR
Client ID: OPR
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: ng/ml

Acquired: 10-27-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	104	60.0 - 135	
PCB-3	105	60.0 - 135	
PCB-4	108	60.0 - 135	
PCB-15	96.0	60.0 - 135	
PCB-19	101	60.0 - 135	
PCB-37	93.4	60.0 - 135	
PCB-54	102	60.0 - 135	
PCB-77	94.4	60.0 - 135	
PCB-81	91.2	60.0 - 135	
PCB-104	100	60.0 - 135	
PCB-105	90.2	60.0 - 135	
PCB-114	96.4	60.0 - 135	
PCB-118	101	60.0 - 135	
PCB-123	106	60.0 - 135	
PCB-126	97.4	60.0 - 135	
PCB-155	102	60.0 - 135	
PCB-156	96.2	60.0 - 135	
PCB-157	97.0	60.0 - 135	
PCB-167	99.4	60.0 - 135	
PCB-169	99.0	60.0 - 135	
PCB-188	100	60.0 - 135	
PCB-189	97.6	60.0 - 135	
PCB-202	111	60.0 - 135	
PCB-205	103	60.0 - 135	
PCB-206	97.4	60.0 - 135	
PCB-208	101	60.0 - 135	
PCB-209	100	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	88.0	15.0 - 145	
13C-PCB-3	87.0	15.0 - 145	
13C-PCB-4	92.2	15.0 - 145	
13C-PCB-15	86.8	15.0 - 145	
13C-PCB-19	86.2	15.0 - 145	
13C-PCB-37	95.7	15.0 - 145	
13C-PCB-54	101	15.0 - 145	
13C-PCB-77	91.9	40.0 - 145	
13C-PCB-81	90.0	40.0 - 145	
13C-PCB-104	102	40.0 - 145	
13C-PCB-105	96.9	40.0 - 145	
13C-PCB-114	95.5	40.0 - 145	
13C-PCB-118	96.8	40.0 - 145	
13C-PCB-123	93.2	40.0 - 145	
13C-PCB-126	87.5	40.0 - 145	
13C-PCB-155	98.1	40.0 - 145	
13C-PCB-156	96.2	40.0 - 145	
13C-PCB-157	98.2	40.0 - 145	
13C-PCB-167	95.1	40.0 - 145	
13C-PCB-169	97.7	40.0 - 145	
13C-PCB-188	102	40.0 - 145	
13C-PCB-189	105	40.0 - 145	
13C-PCB-202	104	40.0 - 145	
13C-PCB-205	96.8	40.0 - 145	
13C-PCB-206	104	40.0 - 145	
13C-PCB-208	97.6	40.0 - 145	
13C-PCB-209	98.6	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	93.1	15.0 - 145	
13C-PCB-111	85.6	40.0 - 145	
13C-PCB-178	91.6	40.0 - 145	

Analyst: [signature]

Date: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-001-SA
Client ID: LDW-Y3-SU-ENR-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.13 g
% Solids: 71.74

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 3790

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	4.16	-			PCB-51	3.86	-		
PCB-2	0.607	-	J		PCB-52	122	-	C	69
PCB-3	3.16	-			PCB-53	12.0	-		
PCB-4	9.94	-			PCB-54	ND	0.581		
PCB-5	ND	0.703			PCB-55	2.53	-		
PCB-6	9.50	-			PCB-56	52.2	-	C	60
PCB-7	1.73	-	J		PCB-57	1.13	-	J	
PCB-8	31.4	-			PCB-58	1.05	-	J	
PCB-9	1.87	-	J		PCB-59	-	-	C042	42
PCB-10	ND	0.722			PCB-60	-	-	C056	56
PCB-11	2.43	-			PCB-61	106	-	C	70
PCB-12	1.91	-	J		PCB-62	ND	0.574		
PCB-13	2.15	-			PCB-63	4.54	-		
PCB-14	ND	0.701			PCB-64	-	-	C041	41/71/72
PCB-15	16.8	-			PCB-65	ND	0.574		
PCB-16	19.0	-			PCB-66	90.1	-	C	76
PCB-17	25.3	-			PCB-67	3.75	-		
PCB-18	51.8	-			PCB-68	2.49	-		
PCB-19	4.71	-			PCB-69	-	-	C052	52
PCB-20	43.9	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	24.0	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.384			PCB-73	1.44	-	J	
PCB-24	2.48	-			PCB-74	40.9	-		
PCB-25	11.7	-			PCB-75	-	-	C048	48
PCB-26	16.9	-			PCB-76	-	-	C066	66
PCB-27	2.08	-			PCB-77	8.78	-		
PCB-28	76.6	-			PCB-78	ND	0.675		
PCB-29	ND	0.387			PCB-79	3.06	-		
PCB-30	ND	0.719			PCB-80	0.995	-	J	
PCB-31	60.4	-			PCB-81	2.78	-		
PCB-32	13.7	-			PCB-82	17.0	-		
PCB-33	-	-	C020	20/21	PCB-83	10.2	-	C	112
PCB-34	ND	0.435			PCB-84	87.7	-	C	92
PCB-35	ND	0.402			PCB-85	21.7	-	C	116
PCB-36	ND	0.392			PCB-86	ND	1.25		
PCB-37	22.0	-			PCB-87	47.6	-	C	117/125
PCB-38	ND	0.370			PCB-88	25.4	-	C	91
PCB-39	ND	0.387			PCB-89	2.23	-		
PCB-40	13.3	-			PCB-90	198	-	C	101
PCB-41	69.5	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	30.5	-	C	59	PCB-92	-	-	C084	84
PCB-43	98.6	-	C	49	PCB-93	ND	0.723		
PCB-44	78.2	-			PCB-94	ND	0.715		
PCB-45	10.2	-			PCB-95	129	-		
PCB-46	4.68	-			PCB-96	1.29	-	J	
PCB-47	33.7	-			PCB-97	59.0	-		
PCB-48	16.4	-	C	75	PCB-98	ND	0.723	C	102
PCB-49	-	-	C043	43	PCB-99	98.9	-		
PCB-50	ND	0.700			PCB-100	1.56	-	J	

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: 13237-001-SA
Client ID: LDW-Y3-SU-ENR-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.13 g
% Solids: 71.74

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	43.2	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.542		
PCB-103	4.09	-			PCB-153	165	-		
PCB-104	ND	0.502			PCB-154	4.60	-		
PCB-105	42.5	-			PCB-155	ND	0.529		
PCB-106	145	-	C	118	PCB-156	16.6	-		
PCB-107	14.1	-	C	108	PCB-157	3.57	-		
PCB-108	-	-	C107	107	PCB-158	18.2	-	C	160
PCB-109	ND	0.840			PCB-159	2.11	-		
PCB-110	180	-			PCB-160	-	-	C158	158
PCB-111	3.39	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.868			PCB-163	-	-	C138	138/164
PCB-114	2.95	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.580		
PCB-117	-	-	C087	87/125	PCB-167	6.55	-		
PCB-118	-	-	C	106	PCB-168	ND	0.602		
PCB-119	9.00	-			PCB-169	ND	0.547		
PCB-120	1.57	-	J		PCB-170	46.4	-		
PCB-121	ND	0.537			PCB-171	15.3	-		
PCB-122	1.88	-	J		PCB-172	9.55	-		
PCB-123	2.47	-			PCB-173	ND	0.818		
PCB-124	5.03	-			PCB-174	47.2	-		
PCB-125	-	-	C087	87/117	PCB-175	2.87	-		
PCB-126	ND	0.774			PCB-176	7.72	-		
PCB-127	ND	0.694			PCB-177	32.7	-		
PCB-128	27.2	-	C	162	PCB-178	11.8	-		
PCB-129	7.03	-			PCB-179	22.5	-		
PCB-130	12.4	-			PCB-180	112	-		
PCB-131	7.45	-	C	133	PCB-181	ND	0.739		
PCB-132	57.1	-	C	161	PCB-182	61.5	-	C	187
PCB-133	-	-	C131	131	PCB-183	29.7	-		
PCB-134	11.0	-	C	143	PCB-184	ND	0.510		
PCB-135	28.0	-			PCB-185	6.46	-		
PCB-136	29.2	-			PCB-186	ND	0.548		
PCB-137	7.62	-			PCB-187	-	-	C182	182
PCB-138	180	-	C	163/164	PCB-188	ND	0.651		
PCB-139	156	-	C	149	PCB-189	2.53	-		
PCB-140	3.68	-			PCB-190	10.8	-		
PCB-141	29.8	-			PCB-191	2.49	-		
PCB-142	ND	0.870			PCB-192	ND	0.596		
PCB-143	-	-	C134	134	PCB-193	7.00	-		
PCB-144	7.30	-			PCB-194	23.7	-		
PCB-145	ND	0.551			PCB-195	9.27	-		
PCB-146	33.0	-	C	165	PCB-196	28.3	-	C	203
PCB-147	4.64	-			PCB-197	1.62	-	J	
PCB-148	ND	0.659			PCB-198	ND	0.901		
PCB-149	-	-	C139	139	PCB-199	22.4	-		
PCB-150	ND	0.528			PCB-200	3.80	-		

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: 13237-001-SA
Client ID: LDW-Y3-SU-ENR-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.13 g
% Solids: 71.74

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	4.06	-		
PCB-202	4.84	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.613		
PCB-205	1.97	-		
PCB-206	9.09	-		
PCB-207	1.39	-	J	
PCB-208	2.24	-		
PCB-209	3.67	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	81.8	5.00 - 145	
13C-PCB-3	81.7	5.00 - 145	
13C-PCB-4	88.9	5.00 - 145	
13C-PCB-15	86.4	5.00 - 145	
13C-PCB-19	83.0	5.00 - 145	
13C-PCB-37	95.7	5.00 - 145	
13C-PCB-54	97.5	5.00 - 145	
13C-PCB-77	86.6	10.0 - 145	
13C-PCB-81	85.6	10.0 - 145	
13C-PCB-104	94.3	10.0 - 145	
13C-PCB-105	98.4	10.0 - 145	
13C-PCB-114	95.8	10.0 - 145	
13C-PCB-118	97.6	10.0 - 145	
13C-PCB-123	96.1	10.0 - 145	
13C-PCB-126	89.6	10.0 - 145	
13C-PCB-155	90.4	10.0 - 145	
13C-PCB-156	97.7	10.0 - 145	
13C-PCB-157	99.1	10.0 - 145	
13C-PCB-167	96.6	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	93.0	10.0 - 145	
13C-PCB-189	98.9	10.0 - 145	
13C-PCB-202	98.0	10.0 - 145	
13C-PCB-205	96.1	10.0 - 145	
13C-PCB-206	99.6	10.0 - 145	
13C-PCB-208	96.1	10.0 - 145	
13C-PCB-209	95.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	86.3	5.00 - 145	
13C-PCB-111	82.9	10.0 - 145	
13C-PCB-178	85.3	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-002-SA
Client ID: LDW-Y3-SU-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 80.01

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 31700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	31.8	-			PCB-51	26.1	-		
PCB-2	3.90	-			PCB-52	899	-	C	69
PCB-3	27.0	-			PCB-53	79.1	-		
PCB-4	65.9	-			PCB-54	1.53	-	J	
PCB-5	ND	0.788			PCB-55	15.4	-		
PCB-6	75.5	-			PCB-56	376	-	C	60
PCB-7	14.0	-			PCB-57	5.72	-		
PCB-8	252	-			PCB-58	3.93	-		
PCB-9	14.5	-			PCB-59	-	-	C042	42
PCB-10	4.97	-			PCB-60	-	-	C056	56
PCB-11	8.37	-			PCB-61	844	-	C	70
PCB-12	13.7	-			PCB-62	ND	0.648		
PCB-13	16.4	-			PCB-63	30.1	-		
PCB-14	ND	0.785			PCB-64	-	-	C041	41/71/72
PCB-15	142	-			PCB-65	ND	0.648		
PCB-16	108	-			PCB-66	659	-	C	76
PCB-17	168	-			PCB-67	26.3	-		
PCB-18	340	-			PCB-68	8.61	-		
PCB-19	28.0	-			PCB-69	-	-	C052	52
PCB-20	311	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	176	-			PCB-72	-	-	C041	41/64/71
PCB-23	0.825	-	J		PCB-73	9.60	-		
PCB-24	16.9	-			PCB-74	315	-		
PCB-25	84.9	-			PCB-75	-	-	C048	48
PCB-26	136	-			PCB-76	-	-	C066	66
PCB-27	15.5	-			PCB-77	60.5	-		
PCB-28	523	-			PCB-78	ND	0.683		
PCB-29	3.86	-			PCB-79	17.4	-		
PCB-30	ND	0.677			PCB-80	ND	0.537		
PCB-31	505	-			PCB-81	19.6	-		
PCB-32	119	-			PCB-82	129	-		
PCB-33	-	-	C020	20/21	PCB-83	61.0	-	C	112
PCB-34	5.22	-			PCB-84	592	-	C	92
PCB-35	ND	0.580			PCB-85	175	-	C	116
PCB-36	ND	0.566			PCB-86	ND	0.951		
PCB-37	157	-			PCB-87	395	-	C	117/125
PCB-38	4.28	-			PCB-88	193	-	C	91
PCB-39	ND	0.558			PCB-89	12.4	-		
PCB-40	74.1	-			PCB-90	1460	-	C	101
PCB-41	430	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	191	-	C	59	PCB-92	-	-	C084	84
PCB-43	617	-	C	49	PCB-93	ND	0.760		
PCB-44	531	-			PCB-94	7.15	-		
PCB-45	68.8	-			PCB-95	1080	-		
PCB-46	27.8	-			PCB-96	7.30	-		
PCB-47	200	-			PCB-97	395	-		
PCB-48	103	-	C	75	PCB-98	ND	0.761	C	102
PCB-49	-	-	C043	43	PCB-99	660	-		
PCB-50	2.01	-			PCB-100	11.0	-		

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: 13237-002-SA
Client ID: LDW-Y3-SU-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 80.01

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	420	-		
PCB-102	-	-	C098	98	PCB-152	1.39	-	J	
PCB-103	28.3	-			PCB-153	1630	-		
PCB-104	ND	0.528			PCB-154	49.3	-		
PCB-105	395	-			PCB-155	ND	0.601		
PCB-106	1130	-	C	118	PCB-156	150	-		
PCB-107	103	-	C	108	PCB-157	30.5	-		
PCB-108	-	-	C107	107	PCB-158	164	-	C	160
PCB-109	ND	0.638			PCB-159	18.7	-		
PCB-110	1280	-			PCB-160	-	-	C158	158
PCB-111	16.8	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.659			PCB-163	-	-	C138	138/164
PCB-114	24.2	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.41	-		
PCB-117	-	-	C087	87/125	PCB-167	57.7	-		
PCB-118	-	-	C	106	PCB-168	3.67	-		
PCB-119	51.7	-			PCB-169	ND	0.595		
PCB-120	ND	0.574			PCB-170	507	-		
PCB-121	ND	0.565			PCB-171	155	-		
PCB-122	13.1	-			PCB-172	96.6	-		
PCB-123	19.8	-			PCB-173	9.98	-		
PCB-124	43.3	-			PCB-174	502	-		
PCB-125	-	-	C087	87/117	PCB-175	27.5	-		
PCB-126	4.29	-			PCB-176	74.9	-		
PCB-127	1.43	-	J		PCB-177	353	-		
PCB-128	237	-	C	162	PCB-178	125	-		
PCB-129	61.7	-			PCB-179	243	-		
PCB-130	118	-			PCB-180	1310	-		
PCB-131	63.0	-	C	133	PCB-181	ND	0.776		
PCB-132	471	-	C	161	PCB-182	723	-	C	187
PCB-133	-	-	C131	131	PCB-183	344	-		
PCB-134	92.8	-	C	143	PCB-184	ND	0.535		
PCB-135	246	-			PCB-185	62.5	-		
PCB-136	265	-			PCB-186	ND	0.576		
PCB-137	60.7	-			PCB-187	-	-	C182	182
PCB-138	1700	-	C	163/164	PCB-188	3.46	-		
PCB-139	1450	-	C	149	PCB-189	19.8	-		
PCB-140	18.8	-			PCB-190	107	-		
PCB-141	276	-			PCB-191	22.9	-		
PCB-142	ND	0.936			PCB-192	ND	0.626		
PCB-143	-	-	C134	134	PCB-193	66.9	-		
PCB-144	71.9	-			PCB-194	289	-		
PCB-145	ND	0.627			PCB-195	121	-		
PCB-146	321	-	C	165	PCB-196	391	-	C	203
PCB-147	36.5	-			PCB-197	15.4	-		
PCB-148	ND	0.749			PCB-198	19.9	-		
PCB-149	-	-	C139	139	PCB-199	329	-		
PCB-150	6.28	-			PCB-200	40.7	-		

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: 13237-002-SA
Client ID: LDW-Y3-SU-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 80.01

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	45.8	-		
PCB-202	71.9	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.725		
PCB-205	15.5	-		
PCB-206	135	-		
PCB-207	18.2	-		
PCB-208	36.4	-		
PCB-209	90.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	88.6	5.00 - 145	
13C-PCB-3	87.9	5.00 - 145	
13C-PCB-4	91.5	5.00 - 145	
13C-PCB-15	93.3	5.00 - 145	
13C-PCB-19	83.4	5.00 - 145	
13C-PCB-37	106	5.00 - 145	
13C-PCB-54	99.2	5.00 - 145	
13C-PCB-77	100	10.0 - 145	
13C-PCB-81	98.6	10.0 - 145	
13C-PCB-104	89.3	10.0 - 145	
13C-PCB-105	112	10.0 - 145	
13C-PCB-114	110	10.0 - 145	
13C-PCB-118	112	10.0 - 145	
13C-PCB-123	108	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	86.5	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	104	10.0 - 145	
13C-PCB-169	107	10.0 - 145	
13C-PCB-188	94.6	10.0 - 145	
13C-PCB-189	99.7	10.0 - 145	
13C-PCB-202	86.4	10.0 - 145	
13C-PCB-205	104	10.0 - 145	
13C-PCB-206	104	10.0 - 145	
13C-PCB-208	105	10.0 - 145	
13C-PCB-209	95.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	100	5.00 - 145	
13C-PCB-111	91.5	10.0 - 145	
13C-PCB-178	86.3	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-003-SA
Client ID: LDW-Y3-SU-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.60 g
% Solids: 75.66

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 7220

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	3.46	-			PCB-51	8.97	-		
PCB-2	0.603	-	J		PCB-52	224	-	C	69
PCB-3	2.36	-			PCB-53	23.7	-		
PCB-4	36.8	-			PCB-54	ND	0.806		
PCB-5	ND	0.951			PCB-55	5.30	-		
PCB-6	31.6	-			PCB-56	126	-	C	60
PCB-7	7.48	-			PCB-57	1.56	-	J	
PCB-8	142	-			PCB-58	1.11	-	J	
PCB-9	6.52	-			PCB-59	-	-	C042	42
PCB-10	2.37	-			PCB-60	-	-	C056	56
PCB-11	16.3	-			PCB-61	231	-	C	70
PCB-12	5.98	-			PCB-62	ND	0.796		
PCB-13	4.66	-			PCB-63	7.81	-		
PCB-14	ND	0.948			PCB-64	-	-	C041	41/71/72
PCB-15	60.3	-			PCB-65	ND	0.796		
PCB-16	44.4	-			PCB-66	184	-	C	76
PCB-17	85.1	-			PCB-67	6.62	-		
PCB-18	169	-			PCB-68	2.14	-		
PCB-19	15.0	-			PCB-69	-	-	C052	52
PCB-20	159	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	84.1	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.563			PCB-73	2.11	-		
PCB-24	8.83	-			PCB-74	93.0	-		
PCB-25	27.6	-			PCB-75	-	-	C048	48
PCB-26	42.7	-			PCB-76	-	-	C066	66
PCB-27	6.47	-			PCB-77	18.1	-		
PCB-28	247	-			PCB-78	ND	0.827		
PCB-29	2.36	-			PCB-79	4.10	-		
PCB-30	ND	0.879			PCB-80	2.12	-		
PCB-31	183	-			PCB-81	5.83	-		
PCB-32	66.2	-			PCB-82	31.4	-		
PCB-33	-	-	C020	20/21	PCB-83	14.0	-	C	112
PCB-34	2.15	-			PCB-84	125	-	C	92
PCB-35	4.55	-			PCB-85	42.4	-	C	116
PCB-36	ND	0.576			PCB-86	ND	1.28		
PCB-37	66.9	-			PCB-87	105	-	C	117/125
PCB-38	1.60	-	J		PCB-88	42.4	-	C	91
PCB-39	ND	0.568			PCB-89	4.12	-		
PCB-40	31.4	-			PCB-90	303	-	C	101
PCB-41	146	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	62.3	-	C	59	PCB-92	-	-	C084	84
PCB-43	154	-	C	49	PCB-93	ND	0.911		
PCB-44	162	-			PCB-94	2.20	-		
PCB-45	25.3	-			PCB-95	222	-		
PCB-46	9.21	-			PCB-96	2.21	-		
PCB-47	53.8	-			PCB-97	91.8	-		
PCB-48	36.3	-	C	75	PCB-98	ND	0.911	C	102
PCB-49	-	-	C043	43	PCB-99	126	-		
PCB-50	ND	0.971			PCB-100	1.66	-	J	

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: 13237-003-SA
Client ID: LDW-Y3-SU-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.60 g
% Solids: 75.66

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	68.6	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.911		
PCB-103	3.88	-			PCB-153	268	-		
PCB-104	ND	0.633			PCB-154	4.95	-		
PCB-105	96.9	-			PCB-155	ND	0.889		
PCB-106	238	-	C	118	PCB-156	32.2	-		
PCB-107	18.9	-	C	108	PCB-157	6.66	-		
PCB-108	-	-	C107	107	PCB-158	36.2	-	C	160
PCB-109	ND	0.862			PCB-159	3.17	-		
PCB-110	277	-			PCB-160	-	-	C158	158
PCB-111	5.36	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.890			PCB-163	-	-	C138	138/164
PCB-114	6.48	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1.34	-	J	
PCB-117	-	-	C087	87/125	PCB-167	12.3	-		
PCB-118	-	-	C	106	PCB-168	ND	0.859		
PCB-119	6.42	-			PCB-169	ND	0.837		
PCB-120	ND	0.775			PCB-170	80.4	-		
PCB-121	ND	0.677			PCB-171	24.2	-		
PCB-122	3.22	-			PCB-172	15.2	-		
PCB-123	5.38	-			PCB-173	ND	1.10		
PCB-124	11.5	-			PCB-174	76.0	-		
PCB-125	-	-	C087	87/117	PCB-175	4.41	-		
PCB-126	1.38	-	J		PCB-176	11.7	-		
PCB-127	ND	0.878			PCB-177	49.4	-		
PCB-128	49.9	-	C	162	PCB-178	17.1	-		
PCB-129	16.3	-			PCB-179	33.8	-		
PCB-130	21.6	-			PCB-180	177	-		
PCB-131	11.3	-	C	133	PCB-181	ND	0.995		
PCB-132	83.5	-	C	161	PCB-182	95.7	-	C	187
PCB-133	-	-	C131	131	PCB-183	46.7	-		
PCB-134	19.3	-	C	143	PCB-184	ND	0.686		
PCB-135	42.4	-			PCB-185	9.87	-		
PCB-136	45.2	-			PCB-186	ND	0.738		
PCB-137	13.1	-			PCB-187	-	-	C182	182
PCB-138	320	-	C	163/164	PCB-188	ND	0.826		
PCB-139	242	-	C	149	PCB-189	3.62	-		
PCB-140	3.54	-			PCB-190	16.3	-		
PCB-141	58.6	-			PCB-191	4.65	-		
PCB-142	ND	1.24			PCB-192	ND	0.803		
PCB-143	-	-	C134	134	PCB-193	8.81	-		
PCB-144	15.2	-			PCB-194	33.7	-		
PCB-145	ND	0.927			PCB-195	14.4	-		
PCB-146	42.3	-	C	165	PCB-196	40.8	-	C	203
PCB-147	7.87	-			PCB-197	ND	1.10		
PCB-148	ND	1.11			PCB-198	ND	1.64		
PCB-149	-	-	C139	139	PCB-199	35.3	-		
PCB-150	ND	0.888			PCB-200	5.99	-		

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: 13237-003-SA
Client ID: LDW-Y3-SU-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.60 g
% Solids: 75.66

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	5.88	-		
PCB-202	8.57	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.11		
PCB-205	3.33	-		
PCB-206	12.4	-		
PCB-207	1.76	-	J	
PCB-208	3.27	-		
PCB-209	4.14	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	92.0	5.00 - 145	
13C-PCB-3	86.6	5.00 - 145	
13C-PCB-4	97.2	5.00 - 145	
13C-PCB-15	95.8	5.00 - 145	
13C-PCB-19	92.3	5.00 - 145	
13C-PCB-37	100	5.00 - 145	
13C-PCB-54	101	5.00 - 145	
13C-PCB-77	95.3	10.0 - 145	
13C-PCB-81	92.6	10.0 - 145	
13C-PCB-104	95.4	10.0 - 145	
13C-PCB-105	100	10.0 - 145	
13C-PCB-114	98.2	10.0 - 145	
13C-PCB-118	103	10.0 - 145	
13C-PCB-123	96.9	10.0 - 145	
13C-PCB-126	93.6	10.0 - 145	
13C-PCB-155	91.0	10.0 - 145	
13C-PCB-156	96.8	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	99.8	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	92.5	10.0 - 145	
13C-PCB-189	93.9	10.0 - 145	
13C-PCB-202	84.7	10.0 - 145	
13C-PCB-205	102	10.0 - 145	
13C-PCB-206	105	10.0 - 145	
13C-PCB-208	103	10.0 - 145	
13C-PCB-209	102	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	96.3	5.00 - 145	
13C-PCB-111	94.0	10.0 - 145	
13C-PCB-178	87.2	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-006-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 9.99 g
% Solids: 59.29

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 52700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	68.4	-			PCB-51	48.1	-		
PCB-2	6.70	-			PCB-52	1700	-	C	69
PCB-3	72.4	-			PCB-53	156	-		
PCB-4	125	-			PCB-54	2.67	-		
PCB-5	ND	0.809			PCB-55	23.2	-		
PCB-6	138	-			PCB-56	657	-	C	60
PCB-7	34.0	-			PCB-57	6.51	-		
PCB-8	502	-			PCB-58	7.56	-		
PCB-9	25.0	-			PCB-59	-	-	C042	42
PCB-10	7.89	-			PCB-60	-	-	C056	56
PCB-11	10.2	-			PCB-61	1550	-	C	70
PCB-12	37.5	-			PCB-62	ND	0.438		
PCB-13	22.4	-			PCB-63	53.7	-		
PCB-14	ND	0.806			PCB-64	-	-	C041	41/71/72
PCB-15	235	-			PCB-65	ND	0.438		
PCB-16	258	-			PCB-66	1200	-	C	76
PCB-17	381	-			PCB-67	44.8	-		
PCB-18	787	-			PCB-68	13.7	-		
PCB-19	62.0	-			PCB-69	-	-	C052	52
PCB-20	629	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	325	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.25	-	J		PCB-73	13.4	-		
PCB-24	37.7	-			PCB-74	553	-		
PCB-25	144	-			PCB-75	-	-	C048	48
PCB-26	237	-			PCB-76	-	-	C066	66
PCB-27	34.0	-			PCB-77	104	-		
PCB-28	1110	-			PCB-78	ND	0.473		
PCB-29	7.35	-			PCB-79	32.8	-		
PCB-30	ND	0.704			PCB-80	4.24	-		
PCB-31	972	-			PCB-81	34.2	-		
PCB-32	254	-			PCB-82	223	-		
PCB-33	-	-	C020	20/21	PCB-83	110	-	C	112
PCB-34	12.1	-			PCB-84	1050	-	C	92
PCB-35	19.9	-			PCB-85	291	-	C	116
PCB-36	ND	0.491			PCB-86	ND	1.04		
PCB-37	280	-			PCB-87	705	-	C	117/125
PCB-38	8.86	-			PCB-88	379	-	C	91
PCB-39	ND	0.484			PCB-89	20.0	-		
PCB-40	139	-			PCB-90	2620	-	C	101
PCB-41	747	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	363	-	C	59	PCB-92	-	-	C084	84
PCB-43	1150	-	C	49	PCB-93	ND	0.977		
PCB-44	1030	-			PCB-94	12.9	-		
PCB-45	146	-			PCB-95	2160	-		
PCB-46	58.6	-			PCB-96	13.0	-		
PCB-47	391	-			PCB-97	741	-		
PCB-48	192	-	C	75	PCB-98	ND	0.977	C	102
PCB-49	-	-	C043	43	PCB-99	1130	-		
PCB-50	4.96	-			PCB-100	16.0	-		

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: 13237-006-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 9.99 g
% Solids: 59.29

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	560	-		
PCB-102	-	-	C098	98	PCB-152	2.58	-		
PCB-103	42.7	-			PCB-153	2360	-		
PCB-104	ND	0.679			PCB-154	57.0	-		
PCB-105	686	-			PCB-155	ND	0.795		
PCB-106	2150	-	C	118	PCB-156	276	-		
PCB-107	183	-	C	108	PCB-157	60.7	-		
PCB-108	-	-	C107	107	PCB-158	284	-	C	160
PCB-109	ND	0.696			PCB-159	22.5	-		
PCB-110	2320	-			PCB-160	-	-	C158	158
PCB-111	32.9	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.719			PCB-163	-	-	C138	138/164
PCB-114	44.7	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.94	-		
PCB-117	-	-	C087	87/125	PCB-167	106	-		
PCB-118	-	-	C	106	PCB-168	6.69	-		
PCB-119	78.4	-			PCB-169	ND	0.679		
PCB-120	ND	0.626			PCB-170	689	-		
PCB-121	ND	0.726			PCB-171	214	-		
PCB-122	21.0	-			PCB-172	126	-		
PCB-123	35.8	-			PCB-173	17.2	-		
PCB-124	80.2	-			PCB-174	659	-		
PCB-125	-	-	C087	87/117	PCB-175	28.9	-		
PCB-126	8.45	-			PCB-176	102	-		
PCB-127	ND	0.663			PCB-177	459	-		
PCB-128	420	-	C	162	PCB-178	159	-		
PCB-129	121	-			PCB-179	332	-		
PCB-130	175	-			PCB-180	1730	-		
PCB-131	92.0	-	C	133	PCB-181	ND	0.826		
PCB-132	830	-	C	161	PCB-182	898	-	C	187
PCB-133	-	-	C131	131	PCB-183	430	-		
PCB-134	155	-	C	143	PCB-184	ND	0.569		
PCB-135	375	-			PCB-185	83.7	-		
PCB-136	405	-			PCB-186	ND	0.612		
PCB-137	129	-			PCB-187	-	-	C182	182
PCB-138	2720	-	C	163/164	PCB-188	2.61	-		
PCB-139	2110	-	C	149	PCB-189	28.6	-		
PCB-140	ND	0.882			PCB-190	147	-		
PCB-141	452	-			PCB-191	29.7	-		
PCB-142	ND	1.05			PCB-192	ND	0.666		
PCB-143	-	-	C134	134	PCB-193	83.1	-		
PCB-144	99.8	-			PCB-194	317	-		
PCB-145	1.32	-	J		PCB-195	130	-		
PCB-146	428	-	C	165	PCB-196	454	-	C	203
PCB-147	51.0	-			PCB-197	17.0	-		
PCB-148	ND	0.990			PCB-198	16.4	-		
PCB-149	-	-	C139	139	PCB-199	384	-		
PCB-150	6.99	-			PCB-200	45.1	-		

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: 13237-006-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 9.99 g
% Solids: 59.29

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	50.9	-		
PCB-202	79.2	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.809		
PCB-205	18.1	-		
PCB-206	136	-		
PCB-207	17.4	-		
PCB-208	34.6	-		
PCB-209	64.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	93.6	5.00 - 145	
13C-PCB-3	94.2	5.00 - 145	
13C-PCB-4	95.0	5.00 - 145	
13C-PCB-15	101	5.00 - 145	
13C-PCB-19	83.7	5.00 - 145	
13C-PCB-37	102	5.00 - 145	
13C-PCB-54	99.2	5.00 - 145	
13C-PCB-77	94.9	10.0 - 145	
13C-PCB-81	100	10.0 - 145	
13C-PCB-104	81.0	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	99.7	10.0 - 145	
13C-PCB-123	100	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	82.3	10.0 - 145	
13C-PCB-156	99.7	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	99.6	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	89.1	10.0 - 145	
13C-PCB-189	87.8	10.0 - 145	
13C-PCB-202	74.1	10.0 - 145	
13C-PCB-205	99.0	10.0 - 145	
13C-PCB-206	93.1	10.0 - 145	
13C-PCB-208	97.9	10.0 - 145	
13C-PCB-209	82.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	90.2	10.0 - 145	
13C-PCB-178	84.2	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-008-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.39 g
% Solids: 67.44

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 13800

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	5.74	-			PCB-51	20.2	-		
PCB-2	0.838	-	J		PCB-52	506	-	C	69
PCB-3	3.48	-			PCB-53	64.9	-		
PCB-4	49.3	-			PCB-54	1.42	-	J	
PCB-5	ND	1.27			PCB-55	9.38	-		
PCB-6	51.3	-			PCB-56	264	-	C	60
PCB-7	9.38	-			PCB-57	3.81	-		
PCB-8	173	-			PCB-58	3.26	-		
PCB-9	8.57	-			PCB-59	-	-	C042	42
PCB-10	4.42	-			PCB-60	-	-	C056	56
PCB-11	4.80	-			PCB-61	453	-	C	70
PCB-12	12.4	-			PCB-62	ND	0.942		
PCB-13	4.41	-			PCB-63	17.5	-		
PCB-14	ND	1.26			PCB-64	-	-	C041	41/71/72
PCB-15	91.1	-			PCB-65	ND	0.943		
PCB-16	108	-			PCB-66	410	-	C	76
PCB-17	161	-			PCB-67	15.4	-		
PCB-18	333	-			PCB-68	6.28	-		
PCB-19	32.6	-			PCB-69	-	-	C052	52
PCB-20	236	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	121	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	1.01			PCB-73	7.17	-		
PCB-24	15.6	-			PCB-74	187	-		
PCB-25	51.9	-			PCB-75	-	-	C048	48
PCB-26	84.4	-			PCB-76	-	-	C066	66
PCB-27	15.2	-			PCB-77	38.7	-		
PCB-28	358	-			PCB-78	ND	0.974		
PCB-29	2.96	-			PCB-79	9.41	-		
PCB-30	ND	1.14			PCB-80	9.21	-		
PCB-31	322	-			PCB-81	11.5	-		
PCB-32	116	-			PCB-82	68.0	-		
PCB-33	-	-	C020	20/21	PCB-83	30.4	-	C	112
PCB-34	4.16	-			PCB-84	267	-	C	92
PCB-35	5.87	-			PCB-85	84.8	-	C	116
PCB-36	ND	1.03			PCB-86	6.85	-		
PCB-37	101	-			PCB-87	189	-	C	117/125
PCB-38	3.60	-			PCB-88	89.4	-	C	91
PCB-39	ND	1.02			PCB-89	11.8	-		
PCB-40	76.9	-			PCB-90	600	-	C	101
PCB-41	335	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	151	-	C	59	PCB-92	-	-	C084	84
PCB-43	366	-	C	49	PCB-93	ND	0.996		
PCB-44	373	-			PCB-94	3.87	-		
PCB-45	64.7	-			PCB-95	449	-		
PCB-46	26.6	-			PCB-96	6.36	-		
PCB-47	129	-			PCB-97	190	-		
PCB-48	90.7	-	C	75	PCB-98	ND	0.996	C	102
PCB-49	-	-	C043	43	PCB-99	272	-		
PCB-50	2.05	-			PCB-100	3.16	-		

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: 13237-008-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.39 g
% Solids: 67.44

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	120	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.753		
PCB-103	7.72	-			PCB-153	462	-		
PCB-104	ND	0.692			PCB-154	9.73	-		
PCB-105	176	-			PCB-155	ND	0.735		
PCB-106	451	-	C	118	PCB-156	57.1	-		
PCB-107	41.3	-	C	108	PCB-157	13.6	-		
PCB-108	-	-	C107	107	PCB-158	62.6	-	C	160
PCB-109	ND	1.37			PCB-159	5.47	-		
PCB-110	555	-			PCB-160	-	-	C158	158
PCB-111	12.5	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.41			PCB-163	-	-	C138	138/164
PCB-114	13.7	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.07	-		
PCB-117	-	-	C087	87/125	PCB-167	22.8	-		
PCB-118	-	-	C	106	PCB-168	ND	0.912		
PCB-119	17.7	-			PCB-169	ND	0.846		
PCB-120	3.08	-			PCB-170	141	-		
PCB-121	ND	0.740			PCB-171	43.1	-		
PCB-122	7.35	-			PCB-172	28.0	-		
PCB-123	11.6	-			PCB-173	4.76	-		
PCB-124	20.8	-			PCB-174	129	-		
PCB-125	-	-	C087	87/117	PCB-175	6.83	-		
PCB-126	2.75	-			PCB-176	19.8	-		
PCB-127	ND	1.04			PCB-177	87.8	-		
PCB-128	87.6	-	C	162	PCB-178	34.2	-		
PCB-129	26.8	-			PCB-179	62.9	-		
PCB-130	35.5	-			PCB-180	316	-		
PCB-131	18.5	-	C	133	PCB-181	ND	1.28		
PCB-132	165	-	C	161	PCB-182	176	-	C	187
PCB-133	-	-	C131	131	PCB-183	88.5	-		
PCB-134	32.2	-	C	143	PCB-184	ND	0.885		
PCB-135	71.9	-			PCB-185	21.4	-		
PCB-136	83.7	-			PCB-186	ND	0.952		
PCB-137	26.3	-			PCB-187	-	-	C182	182
PCB-138	541	-	C	163/164	PCB-188	ND	1.08		
PCB-139	427	-	C	149	PCB-189	6.64	-		
PCB-140	6.10	-			PCB-190	32.4	-		
PCB-141	96.6	-			PCB-191	6.91	-		
PCB-142	ND	1.32			PCB-192	ND	1.04		
PCB-143	-	-	C134	134	PCB-193	17.2	-		
PCB-144	25.7	-			PCB-194	61.6	-		
PCB-145	ND	0.766			PCB-195	25.5	-		
PCB-146	78.5	-	C	165	PCB-196	89.7	-	C	203
PCB-147	12.6	-			PCB-197	5.29	-		
PCB-148	ND	0.915			PCB-198	7.56	-		
PCB-149	-	-	C139	139	PCB-199	74.3	-		
PCB-150	ND	0.734			PCB-200	10.9	-		

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: 13237-008-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.39 g
% Solids: 67.44

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	11.0	-		
PCB-202	15.8	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.27		
PCB-205	4.37	-		
PCB-206	21.2	-		
PCB-207	3.34	-		
PCB-208	6.34	-		
PCB-209	9.25	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	88.5	5.00 - 145	
13C-PCB-3	84.0	5.00 - 145	
13C-PCB-4	91.5	5.00 - 145	
13C-PCB-15	93.7	5.00 - 145	
13C-PCB-19	85.1	5.00 - 145	
13C-PCB-37	93.3	5.00 - 145	
13C-PCB-54	94.3	5.00 - 145	
13C-PCB-77	86.9	10.0 - 145	
13C-PCB-81	85.6	10.0 - 145	
13C-PCB-104	90.6	10.0 - 145	
13C-PCB-105	97.1	10.0 - 145	
13C-PCB-114	88.0	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	96.5	10.0 - 145	
13C-PCB-126	93.4	10.0 - 145	
13C-PCB-155	86.0	10.0 - 145	
13C-PCB-156	98.1	10.0 - 145	
13C-PCB-157	103	10.0 - 145	
13C-PCB-167	96.5	10.0 - 145	
13C-PCB-169	103	10.0 - 145	
13C-PCB-188	83.3	10.0 - 145	
13C-PCB-189	98.6	10.0 - 145	
13C-PCB-202	74.6	10.0 - 145	
13C-PCB-205	97.2	10.0 - 145	
13C-PCB-206	104	10.0 - 145	
13C-PCB-208	98.5	10.0 - 145	
13C-PCB-209	97.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	82.6	5.00 - 145	
13C-PCB-111	84.2	10.0 - 145	
13C-PCB-178	87.0	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: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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: 13237-009-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 73.10

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020
Total Conc: 11400

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	9.03	-			PCB-51	10.5	-		
PCB-2	1.16	-	J		PCB-52	350	-	C	69
PCB-3	6.08	-			PCB-53	32.3	-		
PCB-4	42.7	-			PCB-54	0.827	-	J	
PCB-5	ND	0.700			PCB-55	7.02	-		
PCB-6	30.8	-			PCB-56	164	-	C	60
PCB-7	6.61	-			PCB-57	1.80	-	J	
PCB-8	105	-			PCB-58	1.35	-	J	
PCB-9	5.38	-			PCB-59	-	-	C042	42
PCB-10	2.54	-			PCB-60	-	-	C056	56
PCB-11	3.63	-			PCB-61	325	-	C	70
PCB-12	5.77	-			PCB-62	ND	0.476		
PCB-13	3.71	-			PCB-63	11.0	-		
PCB-14	ND	0.698			PCB-64	-	-	C041	41/71/72
PCB-15	44.1	-			PCB-65	ND	0.476		
PCB-16	45.0	-			PCB-66	247	-	C	76
PCB-17	70.1	-			PCB-67	8.60	-		
PCB-18	163	-			PCB-68	2.67	-		
PCB-19	14.0	-			PCB-69	-	-	C052	52
PCB-20	104	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	56.9	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.434			PCB-73	2.92	-		
PCB-24	7.78	-			PCB-74	121	-		
PCB-25	24.4	-			PCB-75	-	-	C048	48
PCB-26	36.3	-			PCB-76	-	-	C066	66
PCB-27	5.94	-			PCB-77	23.0	-		
PCB-28	159	-			PCB-78	ND	0.549		
PCB-29	1.48	-	J		PCB-79	7.81	-		
PCB-30	ND	0.606			PCB-80	1.14	-	J	
PCB-31	159	-			PCB-81	9.25	-		
PCB-32	52.9	-			PCB-82	54.4	-		
PCB-33	-	-	C020	20/21	PCB-83	25.6	-	C	112
PCB-34	1.75	-	J		PCB-84	236	-	C	92
PCB-35	3.23	-			PCB-85	70.5	-	C	116
PCB-36	ND	0.444			PCB-86	ND	1.02		
PCB-37	59.2	-			PCB-87	172	-	C	117/125
PCB-38	2.19	-			PCB-88	77.7	-	C	91
PCB-39	ND	0.438			PCB-89	6.21	-		
PCB-40	36.0	-			PCB-90	570	-	C	101
PCB-41	180	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	82.9	-	C	59	PCB-92	-	-	C084	84
PCB-43	223	-	C	49	PCB-93	ND	0.563		
PCB-44	232	-			PCB-94	3.02	-		
PCB-45	29.2	-			PCB-95	428	-		
PCB-46	12.4	-			PCB-96	3.59	-		
PCB-47	74.0	-			PCB-97	167	-		
PCB-48	45.2	-	C	75	PCB-98	ND	0.563	C	102
PCB-49	-	-	C043	43	PCB-99	245	-		
PCB-50	1.00	-	J		PCB-100	3.50	-		

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: 13237-009-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 73.10

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	133	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.535		
PCB-103	9.79	-			PCB-153	504	-		
PCB-104	ND	0.391			PCB-154	14.7	-		
PCB-105	163	-			PCB-155	ND	0.522		
PCB-106	430	-	C	118	PCB-156	54.9	-		
PCB-107	36.4	-	C	108	PCB-157	12.2	-		
PCB-108	-	-	C107	107	PCB-158	64.1	-	C	160
PCB-109	ND	0.683			PCB-159	6.85	-		
PCB-110	520	-			PCB-160	-	-	C158	158
PCB-111	10.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.706			PCB-163	-	-	C138	138/164
PCB-114	10.1	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.05	-		
PCB-117	-	-	C087	87/125	PCB-167	22.1	-		
PCB-118	-	-	C	106	PCB-168	ND	0.552		
PCB-119	16.6	-			PCB-169	ND	0.508		
PCB-120	2.01	-			PCB-170	158	-		
PCB-121	ND	0.418			PCB-171	51.4	-		
PCB-122	5.70	-			PCB-172	30.6	-		
PCB-123	8.62	-			PCB-173	4.40	-		
PCB-124	19.2	-			PCB-174	155	-		
PCB-125	-	-	C087	87/117	PCB-175	6.99	-		
PCB-126	1.90	-	J		PCB-176	22.8	-		
PCB-127	ND	0.713			PCB-177	108	-		
PCB-128	89.1	-	C	162	PCB-178	41.6	-		
PCB-129	26.9	-			PCB-179	79.1	-		
PCB-130	39.0	-			PCB-180	396	-		
PCB-131	20.6	-	C	133	PCB-181	ND	0.739		
PCB-132	173	-	C	161	PCB-182	223	-	C	187
PCB-133	-	-	C131	131	PCB-183	105	-		
PCB-134	33.7	-	C	143	PCB-184	ND	0.510		
PCB-135	84.7	-			PCB-185	19.6	-		
PCB-136	91.3	-			PCB-186	ND	0.548		
PCB-137	25.9	-			PCB-187	-	-	C182	182
PCB-138	581	-	C	163/164	PCB-188	ND	0.612		
PCB-139	460	-	C	149	PCB-189	6.80	-		
PCB-140	6.36	-			PCB-190	36.2	-		
PCB-141	96.3	-			PCB-191	7.10	-		
PCB-142	ND	0.797			PCB-192	ND	0.596		
PCB-143	-	-	C134	134	PCB-193	20.4	-		
PCB-144	23.5	-			PCB-194	77.9	-		
PCB-145	ND	0.545			PCB-195	33.3	-		
PCB-146	97.8	-	C	165	PCB-196	115	-	C	203
PCB-147	10.7	-			PCB-197	4.57	-		
PCB-148	ND	0.650			PCB-198	5.94	-		
PCB-149	-	-	C139	139	PCB-199	99.7	-		
PCB-150	2.02	-			PCB-200	11.5	-		

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: 13237-009-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 07-28-2020
Amount: 10.17 g
% Solids: 73.10

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	13.1	-		
PCB-202	23.6	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.747		
PCB-205	4.68	-		
PCB-206	38.3	-		
PCB-207	5.34	-		
PCB-208	11.0	-		
PCB-209	20.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	102	5.00 - 145	
13C-PCB-3	92.6	5.00 - 145	
13C-PCB-4	95.9	5.00 - 145	
13C-PCB-15	94.6	5.00 - 145	
13C-PCB-19	86.8	5.00 - 145	
13C-PCB-37	99.6	5.00 - 145	
13C-PCB-54	97.9	5.00 - 145	
13C-PCB-77	85.4	10.0 - 145	
13C-PCB-81	88.7	10.0 - 145	
13C-PCB-104	90.2	10.0 - 145	
13C-PCB-105	97.6	10.0 - 145	
13C-PCB-114	102	10.0 - 145	
13C-PCB-118	104	10.0 - 145	
13C-PCB-123	94.0	10.0 - 145	
13C-PCB-126	96.8	10.0 - 145	
13C-PCB-155	86.0	10.0 - 145	
13C-PCB-156	103	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	96.7	10.0 - 145	
13C-PCB-169	102	10.0 - 145	
13C-PCB-188	87.6	10.0 - 145	
13C-PCB-189	91.1	10.0 - 145	
13C-PCB-202	76.0	10.0 - 145	
13C-PCB-205	105	10.0 - 145	
13C-PCB-206	113	10.0 - 145	
13C-PCB-208	112	10.0 - 145	
13C-PCB-209	106	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	82.3	5.00 - 145	
13C-PCB-111	87.4	10.0 - 145	
13C-PCB-178	85.7	10.0 - 145	

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

Analyst: [signature]

Date: 11/3/2020

Reviewed By: DPV

Date: 11/3/2020

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.: 13237
Temperature: 2 °C

Chain of Custody

www.frontieranalytical.com

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

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
1	1	LDW-Y3-SU-ENR-CA-CORE	7/24/20	9:25	sediment	1								✓			OFF Hold 10/20/2020
2	2	LDW-Y3-SU-ENR-CB-CORE	7/24/20	9:30	sediment	1								✓			OFF Hold 10/20/2020
3	3	LDW-Y3-SU-ENR-CC-CORE	7/24/20	9:40	sediment	1								✓			OFF Hold 10/20/2020
	4	LDW-Y3-SU-ENR-CD-CORE	7/24/20	9:45	sediment	1								✓			
	5	LDW-Y3-SU-ENR-CE-CORE	7/24/20	10:00	sediment	1								✓			
6	6	LDW-Y3-SU-ENR+AC-CA-CORE	7/24/20	10:25	sediment	1								✓			OFF Hold 10/20/2020
	7	LDW-Y3-SU-ENR+AC-CB-CORE	7/24/20	10:30	sediment	1								✓			
8	8	LDW-Y3-SU-ENR+AC-CC-CORE	7/24/20	10:40	sediment	1								✓			OFF Hold 10/20/2020
9	9	LDW-Y3-SU-ENR+AC-CD-CORE	7/24/20	10:45	sediment	1								✓			OFF Hold 10/20/2020
	10	LDW-Y3-SU-ENR+AC-CE-CORE	7/24/20	11:00	sediment	1								✓			
	11																
	12	1, 2, 3, 6, 8, 9 OFF Hold per Gretchen's email.															KL 10/20/2020
	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	7/24/20	11:30	Brian Hester	7.24.2020	1130
M. Kr / Michelle Kramer	7/27/20	10:00	Kathy Zepp K. Zepp	7.28.2020	940

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: Tuesday, July 28, 2020 11:12 AM
To: Kathy Zipp
Subject: RE: LDW pilot study Y3 samples

Hi Kathy,
Please place them on hold. Thanks!

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

From: Kathy Zipp <kathyz@frontieranalytical.com>
Sent: Tuesday, July 28, 2020 11:10 AM
To: Gretchen Heavner <Gretchen.Heavner@floydsnider.com>
Subject: RE: LDW pilot study Y3 samples

Hi Gretchen,

We received the 10-sediment samples this morning. Should we go ahead with the analysis or place them on hold?

Thank you,
Kathy

From: Gretchen Heavner [mailto:Gretchen.Heavner@floydsnider.com]
Sent: Monday, July 27, 2020 11:43 AM
To: Kathy Zipp; Brad Silverbush
Subject: RE: LDW pilot study Y3 samples

1668 is one year also, right?

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

From: Kathy Zipp <kathyz@frontieranalytical.com>
Sent: Monday, July 27, 2020 11:41 AM
To: Gretchen Heavner <Gretchen.Heavner@floydsnider.com>; Brad Silverbush <brads@frontieranalytical.com>
Subject: RE: LDW pilot study Y3 samples

Hi Gretchen,

Yes, the samples need to be stored in the freezer @ 4 degrees C or less. Remember the holding time for EPA 8290 is 30 days from sampling date, whereas the holding time for EPA 1613 is one year.

Please let me know if you have any questions or concerns.

Thank you,
Kathy

From: Gretchen Heavner [mailto:Gretchen.Heavner@floydsnider.com]
Sent: Monday, July 27, 2020 10:28 AM
To: Kathy Zipp; Brad Silverbush
Subject: RE: LDW pilot study Y3 samples

I just realized that last year we held the samples and sent all of them together at once. We will send at the end of September. Should they be frozen or at 4 degrees until we ship them?

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

From: Kathy Zipp <kathyz@frontieranalytical.com>
Sent: Friday, July 24, 2020 2:24 PM
To: Gretchen Heavner <Gretchen.Heavner@floydsnider.com>; Brad Silverbush <brads@frontieranalytical.com>
Subject: RE: LDW pilot study Y3 samples

Hi Gretchen!

Thanks for the heads up! The additional cooler was sent out today by FedEx ground and will arrive Tuesday 7/28.

Have a great weekend!!

Kathy

From: Gretchen Heavner [mailto:Gretchen.Heavner@floydsnider.com]
Sent: Friday, July 24, 2020 2:04 PM
To: Kathy Zipp; Brad Silverbush
Subject: LDW pilot study Y3 samples

Hi there! I just wanted to let you know that the first set of 10 sediment samples will be shipped to you on Monday. Let me know if you have any questions!

Gretchen

Get Outlook for iOS

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
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

	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	

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13237**

Client:	Floyd | Snider
Client Project ID:	LY15160310
Date Received:	07/28/2020
Time Received:	09:40 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	10
Duplicates:	0
Storage Location:	R-3

Method of Delivery:	Fed-Ex
Tracking Number:	771097880324
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	2
Cooling Method	Blue Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	No
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

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

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

~~On Hold until September~~ KZ 10/20/2020

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13237	Sample #:	~~1-10~~ 1, 2, 3, 6, 8, 9	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	07/26/2021
Matrix:	Sediment	Extraction Batch:	5495	Due Date:	~~08/19/2020~~ 11/10/2020 KZ 10/20/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13237

Extract/s located in box: "Sniffles"

Standards: 13237

Instrument:

DB5MS	____
007-225	____
DB1MS	FBLV
Other	____

L4, FSI EDD,

Frontier Analytical Laboratory
Percent Solids

FAL Project: 13237

80.01%

Sample ID	Chemist	Start Date	Start Time	Wet Sample Weight (g)	Dry Sample Weight (g) 11/3/2020	% Solids	10g Equiv	Wet Wt Oven Temp	Dry Wt Oven Temp	End Date	End Time	Boat Wt (g)
13237-001-0001-SA	RR	10-21-20	1030	13.34g	9.57g	71.74%	13.94g	112.1c	114.8c	10-22-20	1345	0.78g
13237-002-0001-SA	↓	↓	↓	19.76g	15.86g	80.00%	12.50g	↓	↓	↓	↓	0.81g
13237-003-0001-SA	↓	↓	↓	13.93g	10.54g	75.66%	13.22g	↓	↓	↓	↓	0.79g
13237-004-0001-SA	ON	hold.	ON	11/3/2020								
13237-005-0001-SA	ON	hold.	ON	11/3/2020								
13237-006-0001-SA	RR	10-21-20	1030	17.12g	10.15g	59.29%	16.87g	112.1c	114.8c	10-22-20	1345	0.81g
13237-007-0001-SA	ON	hold	ON	11/2/2020								
13237-008-0001-SA	RR	10-21-20	1030	19.07g	12.81g	67.44%	14.83g	112.1c	114.8c	10-22-20	1345	0.78g
13237-009-0001-SA	↓	↓	↓	17.25g	12.61g	73.10%	13.68g	↓	↓	↓	↓	0.78g
13237-010-0001-SA	On	hold	ON	11/2/2020								

% 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 #: 13237 Extraction Date: 2020-10-22 Extraction Chemist: KC

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 1 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 200507A Vial: 2 Chemist/Witness/Date
05495-001-0001-MB	(10.00g)	(10.00g)	KC RR 10-22-20	NA	KC RR 10-23-20
05495-001-0001-OPR	(10.00g)	(10.00g)		KC RR 10-22-20	
13237-001-0001-SA	14.12g	10.13g		NA	
13237-002-0001-SA	12.71g	10.17g			
13237-003-0001-SA	14.01g	10.00g			
13237-006-0001-SA	16.85g	10.00g	9.99g		
13237-008-0001-SA	15.40g	10.39g	DIV 11/3/2020		
13237-009-0001-SA	13.91g	10.17g			

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 #: 13237

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
05495-001-0001-MB	KC 10-23-20	NA	NA	KC RP 10-23-20
05495-001-0001-OPR				
13237-001-0001-SA				
13237-002-0001-SA				
13237-003-0001-SA				
13237-006-0001-SA				
13237-008-0001-SA				
13237-009-0001-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: 05495-001-0001-MB Filename: 27OCT20Z Sam:4 Acquired: 27-OCT-20 09:35:12 ICal: DAILY209FAL4-10-27-20
Client ID: Method Blank ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.00

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.37	*		1780	1520	0.487			
13C-PCB-1	3.62e+07	3.27 y	14:32	0.75	898					89.8	9.52e+06	2.90e+06
PCB-2	*	* n	NotFnd	1.38	*		1780	1520	0.518			
PCB-3	*	* n	NotFnd	1.35	*		1780	1520	0.568			
13C-PCB-3	3.41e+07	3.29 y	16:57	0.74	852					85.2	8.33e+06	2.47e+06
PCB-4	*	* n	NotFnd	1.14	*		654	4560	1.13			
PCB-10	*	* n	NotFnd	1.41	*		654	4560	0.795			
13C-PCB-4	3.31e+07	1.59 y	18:11	0.64	959					95.9	6.17e+06	3.95e+06
PCB-9	*	* n	NotFnd	1.43	*		654	4560	0.784			
PCB-7	*	* n	NotFnd	1.37	*		654	4560	0.818			
PCB-6	*	* n	NotFnd	1.39	*		654	4560	0.810			
PCB-8	*	* n	NotFnd	1.40	*		654	4560	0.803			
PCB-5	*	* n	NotFnd	1.45	*		654	4560	0.775			
PCB-14	*	* n	NotFnd	1.46	*		654	4560	0.772			
PCB-11	*	* n	NotFnd	1.39	*		654	4560	0.809			
PCB-13	*	* n	NotFnd	1.42	*		654	4560	0.789			
PCB-12	*	* n	NotFnd	1.43	*		654	4560	0.788			
PCB-15	*	* n	NotFnd	1.23	*		654	4560	0.823			
13C-PCB-15	5.08e+07	1.63 y	23:42	1.07	883					88.3	7.91e+06	4.90e+06
PCB-19	*	* n	NotFnd	1.35	*		1260	516	0.640			
PCB-30	*	* n	NotFnd	2.05	*		1260	516	0.420			
PCB-18	*	* n	NotFnd	1.44	*		1260	516	0.601			
PCB-17	*	* n	NotFnd	1.51	*		1260	516	0.570			
PCB-27	*	* n	NotFnd	1.99	*		1260	516	0.433			
PCB-24	*	* n	NotFnd	1.96	*		1260	516	0.440			
PCB-16	*	* n	NotFnd	1.60	*		1260	516	0.538			
PCB-32	*	* n	NotFnd	1.78	*		1260	516	0.486			
13C-PCB-19	1.83e+07	1.11 y	22:04	0.39	879					87.9	2.75e+06	2.40e+06
13C-PCB-9	5.37e+07	1.61 y	19:51	-	9.21							
PCB-34	*	* n	NotFnd	1.14	*		1560	768	0.576			
PCB-23	*	* n	NotFnd	1.29	*		1560	768	0.508			
PCB-29	*	* n	NotFnd	1.28	*		1560	768	0.512			
PCB-26	*	* n	NotFnd	1.26	*		1560	768	0.520			
PCB-25	*	* n	NotFnd	1.19	*		1560	768	0.554			
PCB-31	*	* n	NotFnd	1.33	*		1560	768	0.492			
PCB-28	*	* n	NotFnd	1.36	*		1560	768	0.482			
PCB-20	*	* n	NotFnd	1.20	*		1560	768	0.547		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.20	*		1560	768	0.547		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.20	*		1560	768	0.547		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.29	*		1560	768	0.511			
PCB-36	*	* n	NotFnd	1.27	*		1560	768	0.519			
PCB-39	*	* n	NotFnd	1.28	*		1560	768	0.512			
PCB-38	*	* n	NotFnd	1.34	*		1560	768	0.489			
PCB-35	*	* n	NotFnd	1.23	*		1560	768	0.532			
PCB-37	*	* n	NotFnd	1.25	*		1560	768	0.524			
13C-PCB-37	4.07e+07	1.06 y	30:21	1.93	946					94.6	4.64e+06	4.23e+06

PCB-54	*	*	n	NotFnd	1.33	*	756	1110	0.523			
PCB-50	*	*	n	NotFnd	1.10	*	756	1110	0.630			
PCB-53	*	*	n	NotFnd	1.08	*	756	1110	0.646			
PCB-51	*	*	n	NotFnd	1.11	*	756	1110	0.629			
PCB-45	*	*	n	NotFnd	0.96	*	756	1110	0.724			
PCB-46	*	*	n	NotFnd	0.92	*	756	1110	0.759			
PCB-52	*	*	n	NotFnd	1.11	*	756	1110	0.624	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.11	*	756	1110	0.624	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.45	*	756	1110	0.480			
PCB-43	*	*	n	NotFnd	1.05	*	756	1110	0.664	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.05	*	756	1110	0.664	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.09	*	756	1110	0.641			
PCB-48	*	*	n	NotFnd	1.31	*	756	1110	0.531	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.31	*	756	1110	0.531	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*	756	1110	0.516			
PCB-62	*	*	n	NotFnd	1.35	*	756	1110	0.516			
PCB-44	*	*	n	NotFnd	0.91	*	756	1110	0.760			
PCB-42	*	*	n	NotFnd	1.13	*	756	1110	0.616	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.13	*	756	1110	0.616	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.27	*	756	1110	0.549	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.27	*	756	1110	0.549	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.27	*	756	1110	0.549	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.27	*	756	1110	0.549	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.48	*	756	1110	0.471			
PCB-40	*	*	n	NotFnd	0.82	*	756	1110	0.852			
PCB-57	*	*	n	NotFnd	1.40	*	756	1110	0.496			
PCB-67	*	*	n	NotFnd	1.44	*	756	1110	0.481			
PCB-58	*	*	n	NotFnd	1.35	*	756	1110	0.513			
PCB-63	*	*	n	NotFnd	1.41	*	756	1110	0.492			
PCB-74	*	*	n	NotFnd	1.44	*	756	1110	0.484			
PCB-61	*	*	n	NotFnd	1.29	*	756	1110	0.537	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.29	*	756	1110	0.537	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.45	*	756	1110	0.479	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.45	*	756	1110	0.479	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.63	*	756	1110	0.428			
PCB-55	*	*	n	NotFnd	1.44	*	756	1110	0.484			
13C-PCB-54	2.56e+07	0.82	y	25:35	1.12	1020				102	3.02e+06	3.69e+06
PCB-104	*	*	n	NotFnd	1.23	*	564	636	0.623			
PCB-96	*	*	n	NotFnd	1.21	*	564	636	0.637			
PCB-103	*	*	n	NotFnd	1.03	*	564	636	0.745			
PCB-100	*	*	n	NotFnd	1.04	*	564	636	0.741			
PCB-94	*	*	n	NotFnd	0.87	*	564	636	0.887			
PCB-98	*	*	n	NotFnd	0.86	*	564	636	0.897	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	564	636	0.897	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	1.01	*	564	636	0.761			
PCB-93	*	*	n	NotFnd	0.86	*	564	636	0.897			
PCB-88	*	*	n	NotFnd	0.96	*	564	636	0.797	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.96	*	564	636	0.797	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*	564	636	0.667			
13C-PCB-104	1.64e+07	1.63	y	30:01	0.70	1050				105	2.41e+06	1.49e+06
13C-PCB-28	5.09e+07	1.06	y	26:40	2.24	1020				102	6.72e+06	6.32e+06
13C-PCB-52	2.23e+07	0.80	y	28:56	-	8.18						

PCB-56	*	*	n	NotFnd	1.24	*	1100	1230	0.680			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.24	*	1100	1230	0.680			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.31	*	1100	1230	0.643			
PCB-78	*	*	n	NotFnd	1.31	*	1100	1230	0.641			
PCB-81	*	*	n	NotFnd	1.37	*	1100	1230	0.631			
13C-PCB-81	3.05e+07	0.81	y	36:06	1.87	894				89.4	3.00e+06	3.72e+06
PCB-77	*	*	n	NotFnd	1.25	*	1100	1230	0.653			
13C-PCB-77	3.23e+07	0.80	y	36:40	1.90	932				93.2	3.21e+06	3.91e+06
PCB-155	*	*	n	NotFnd	1.14	*	808	768	0.778			
PCB-150	*	*	n	NotFnd	1.15	*	808	768	0.777			
PCB-152	*	*	n	NotFnd	1.12	*	808	768	0.797			
PCB-145	*	*	n	NotFnd	1.10	*	808	768	0.811			
PCB-136	*	*	n	NotFnd	1.05	*	808	768	0.847			
PCB-148	*	*	n	NotFnd	0.92	*	808	768	0.969			
PCB-154	*	*	n	NotFnd	1.01	*	808	768	0.877			
13C-PCB-155	1.78e+07	1.32	y	34:11	0.94	1040				104	2.54e+06	1.89e+06
13C-PCB-111	2.09e+07	1.59	y	36:15	1.27	905				90.5	3.01e+06	1.88e+06
13C-PCB-101	1.83e+07	1.64	y	34:37	-	7.98						
PCB-84	*	*	n	NotFnd	0.61	*	860	654	0.896			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.61	*	860	654	0.896			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.59	*	860	654	0.917			
PCB-90	*	*	n	NotFnd	0.69	*	860	654	0.786			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.69	*	860	654	0.786			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*	860	654	0.665			
PCB-99	*	*	n	NotFnd	0.74	*	860	654	0.736			
PCB-119	*	*	n	NotFnd	0.91	*	860	654	0.596			
PCB-83	*	*	n	NotFnd	0.72	*	860	654	0.756			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.72	*	860	654	0.756			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*	860	654	0.644			
PCB-97	*	*	n	NotFnd	0.60	*	860	654	0.907			
PCB-86	*	*	n	NotFnd	0.57	*	860	654	0.960			
PCB-125	*	*	n	NotFnd	0.81	*	860	654	0.668			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.81	*	860	654	0.668			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.81	*	860	654	0.668			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.89	*	860	654	0.613			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.89	*	860	654	0.613			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.77	*	860	654	0.706			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.77	*	860	654	0.706			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.94	*	860	654	0.579			
PCB-110	*	*	n	NotFnd	0.89	*	860	654	0.610			
PCB-82	*	*	n	NotFnd	0.56	*	860	654	0.971			
PCB-124	*	*	n	NotFnd	1.25	*	1220	1310	0.725			
PCB-108	*	*	n	NotFnd	1.18	*	1220	1310	0.767			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.18	*	1220	1310	0.767			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.08	*	1220	1310	0.801			
13C-PCB-123	2.96e+07	1.61	y	38:18	1.54	941				94.1	4.57e+06	2.77e+06
PCB-118	*	*	n	NotFnd	1.17	*	1220	1310	0.749			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.17	*	1220	1310	0.749			Co-elute PCB 118
13C-PCB-118	3.21e+07	1.59	y	38:28	1.60	981				98.1	4.40e+06	2.81e+06
PCB-114	*	*	n	NotFnd	1.19	*	1220	1310	0.729			
13C-PCB-114	3.05e+07	1.58	y	39:06	1.57	948				94.8	4.48e+06	2.82e+06
PCB-122	*	*	n	NotFnd	1.23	*	1220	1310	0.740			
PCB-105	*	*	n	NotFnd	1.24	*	1220	1310	0.828			
13C-PCB-105	2.98e+07	1.58	y	39:55	1.52	960				96.0	3.79e+06	2.35e+06

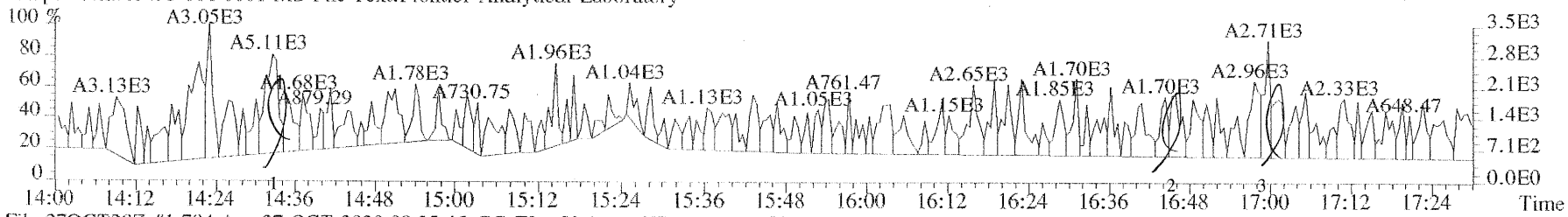
PCB-127	*	*	n	NotFnd	1.16	*	1220	1310	0.781				
PCB-126	*	*	n	NotFnd	1.18	*	1220	1310	0.884				
13C-PCB-126	2.80e+07	1.62	y	42:02	1.57	873				87.3	3.74e+06	2.30e+06	
PCB-151	*	*	n	NotFnd	0.98	*	840	651	0.752				
PCB-135	*	*	n	NotFnd	0.91	*	840	651	0.806				
PCB-144	*	*	n	NotFnd	1.12	*	840	651	0.658				
PCB-147	*	*	n	NotFnd	1.01	*	840	651	0.726				
PCB-139	*	*	n	NotFnd	1.05	*	840	651	0.703				Co-elute PCB 149
PCB-149	*	*	n	NotFnd	1.05	*	840	651	0.703				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	1.04	*	840	651	0.706				
PCB-143	*	*	n	NotFnd	0.89	*	840	651	0.830				Co-elute PCB 134
PCB-134	*	*	n	NotFnd	0.89	*	840	651	0.830				Co-elute PCB 143
PCB-131	*	*	n	NotFnd	0.89	*	840	651	0.824				Co-elute PCB 133
PCB-133	*	*	n	NotFnd	0.89	*	840	651	0.824				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.87	*	840	651	0.844				
PCB-165	*	*	n	NotFnd	1.16	*	840	651	0.634				Co-elute PCB 146
PCB-146	*	*	n	NotFnd	1.16	*	840	651	0.634				Co-elute PCB 165
PCB-161	*	*	n	NotFnd	1.06	*	840	651	0.693				Co-elute PCB 132
PCB-132	*	*	n	NotFnd	1.06	*	840	651	0.693				Co-elute PCB 161
PCB-153	*	*	n	NotFnd	1.23	*	840	651	0.598				
PCB-168	*	*	n	NotFnd	1.26	*	840	651	0.584				
PCB-141	*	*	n	NotFnd	1.00	*	840	651	0.736				
PCB-137	*	*	n	NotFnd	0.98	*	840	651	0.752				
PCB-130	*	*	n	NotFnd	0.94	*	840	651	0.777				
PCB-138	*	*	n	NotFnd	1.16	*	840	651	0.636				Co-elute PCB 163/164
PCB-163	*	*	n	NotFnd	1.16	*	840	651	0.636				Co-elute PCB 138/164
PCB-164	*	*	n	NotFnd	1.16	*	840	651	0.636				Co-elute PCB 138/163
PCB-158	*	*	n	NotFnd	1.32	*	840	651	0.558				Co-elute PCB 160
PCB-160	*	*	n	NotFnd	1.32	*	840	651	0.558				Co-elute PCB 158
PCB-129	*	*	n	NotFnd	0.85	*	840	651	0.863				
PCB-166	*	*	n	NotFnd	1.30	*	840	651	0.563				
PCB-159	*	*	n	NotFnd	1.33	*	840	651	0.552				
PCB-128	*	*	n	NotFnd	1.09	*	840	651	0.671				Co-elute PCB 162
PCB-162	*	*	n	NotFnd	1.09	*	840	651	0.671				Co-elute PCB 128
PCB-167	*	*	n	NotFnd	1.24	*	840	651	0.589				
13C-PCB-167	2.28e+07	1.30	y	43:22	1.14	978				97.8	2.88e+06	2.23e+06	
PCB-156	*	*	n	NotFnd	1.30	*	840	651	0.548				
13C-PCB-156	2.17e+07	1.31	y	44:36	1.11	959				95.9	2.99e+06	2.25e+06	
PCB-157	*	*	n	NotFnd	1.25	*	840	651	0.613				
13C-PCB-157	2.27e+07	1.32	y	44:51	1.11	1000				100	2.75e+06	2.12e+06	
PCB-169	*	*	n	NotFnd	1.23	*	840	651	0.597				
13C-PCB-169	2.18e+07	1.31	y	46:45	1.09	979				97.9	2.91e+06	2.18e+06	

FAL ID: 05495-001-0001-MB Filename: 27OCT20Z Sam:4 Acquired: 27-OCT-20 09:35:12 ICal: DAILY209FAL4-10-27-20
Client ID: Method Blank ConCal: ST10272021 EndCal: ST10272022
Results: 13237 GC Column: DB1MS Amount: 10.00

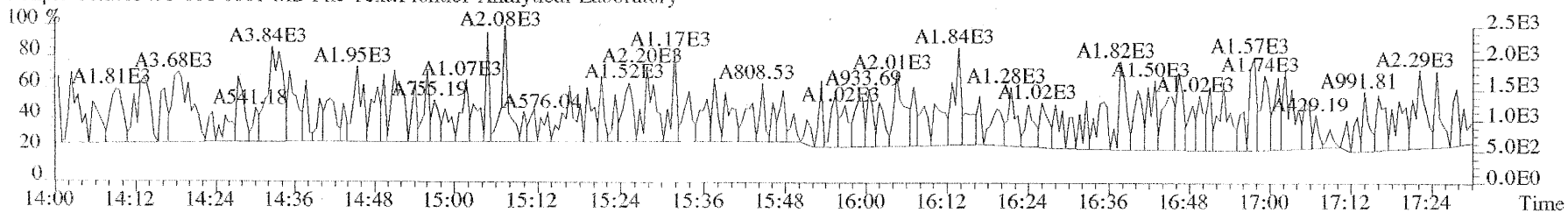
PCB-188	*	*	n	NotFnd	1.23	*	657	564	0.564			
13C-PCB-188	1.73e+07	1.09	y	39:40	0.80	1050				105	2.28e+06	2.12e+06
PCB-184	*	*	n	NotFnd	1.38	*	657	564	0.508			
PCB-179	*	*	n	NotFnd	1.30	*	657	564	0.540			
PCB-176	*	*	n	NotFnd	1.30	*	657	564	0.541			
PCB-186	*	*	n	NotFnd	1.28	*	657	564	0.546			
PCB-178	*	*	n	NotFnd	0.94	*	657	564	0.746			
PCB-175	*	*	n	NotFnd	0.99	*	657	564	0.708			
PCB-187	*	*	n	NotFnd	1.07	*	657	564	0.655		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	1.07	*	657	564	0.655		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	1.04	*	657	564	0.674			
PCB-185	*	*	n	NotFnd	0.96	*	657	564	0.732			
PCB-174	*	*	n	NotFnd	1.01	*	657	564	0.692			
PCB-181	*	*	n	NotFnd	0.95	*	657	564	0.736			
PCB-177	*	*	n	NotFnd	0.89	*	657	564	0.785			
PCB-171	*	*	n	NotFnd	0.95	*	657	564	0.742			
PCB-173	*	*	n	NotFnd	0.86	*	657	564	0.814			
PCB-172	*	*	n	NotFnd	0.89	*	657	564	0.788			
PCB-192	*	*	n	NotFnd	1.18	*	657	564	0.594			
PCB-180	*	*	n	NotFnd	0.94	*	657	564	0.743			
PCB-193	*	*	n	NotFnd	1.25	*	657	564	0.560			
PCB-191	*	*	n	NotFnd	1.23	*	657	564	0.569			
PCB-170	*	*	n	NotFnd	0.89	*	657	564	0.788			
PCB-190	*	*	n	NotFnd	1.19	*	657	564	0.590			
PCB-189	*	*	n	NotFnd	1.21	*	657	564	0.585			
13C-PCB-189	1.57e+07	1.09	y	48:24	0.73	1050				105	2.23e+06	2.08e+06
PCB-202	*	*	n	NotFnd	1.10	*	456	459	0.730			
PCB-201	*	*	n	NotFnd	1.25	*	456	459	0.638			
PCB-204	*	*	n	NotFnd	1.19	*	456	459	0.671			
PCB-197	*	*	n	NotFnd	1.20	*	456	459	0.666			
PCB-200	*	*	n	NotFnd	1.21	*	456	459	0.662			
PCB-198	*	*	n	NotFnd	0.81	*	456	459	0.987			
PCB-199	*	*	n	NotFnd	0.93	*	456	459	0.861			
PCB-203	*	*	n	NotFnd	0.93	*	456	459	0.863		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.93	*	456	459	0.863		Co-elute PCB 203	
13C-PCB-202	1.17e+07	0.90	y	44:46	0.55	1040				104	1.33e+06	1.54e+06
13C-PCB-178	1.29e+07	1.09	y	42:18	0.62	1010				101	1.66e+06	1.54e+06
13C-PCB-138	2.05e+07	1.28	y	41:32	-	7.86						
PCB-195	*	*	n	NotFnd	0.91	*	1310	1510	0.803			
PCB-194	*	*	n	NotFnd	0.97	*	1310	1510	0.757			
PCB-205	*	*	n	NotFnd	1.17	*	1310	1510	0.625			
13C-PCB-205	2.72e+07	0.91	y	50:03	1.20	1010				101	4.52e+06	5.11e+06
PCB-208	*	*	n	NotFnd	1.13	*	492	832	0.406			
13C-PCB-208	2.25e+07	0.80	y	49:08	0.98	1020				102	3.27e+06	3.92e+06
PCB-207	*	*	n	NotFnd	1.33	*	492	832	0.383			
PCB-206	*	*	n	NotFnd	1.19	*	492	832	0.480			
13C-PCB-206	1.72e+07	0.80	y	51:15	0.70	1100				110	2.55e+06	3.22e+06
PCB-209	*	*	n	NotFnd	1.23	*	592	336	0.349			
13C-PCB-209	1.71e+07	1.22	y	52:27	0.70	1090				109	2.98e+06	2.43e+06
13C-PCB-194	2.25e+07	0.92	y	49:48	-	8.57						

Analyst: _____ Date: 11/2/20

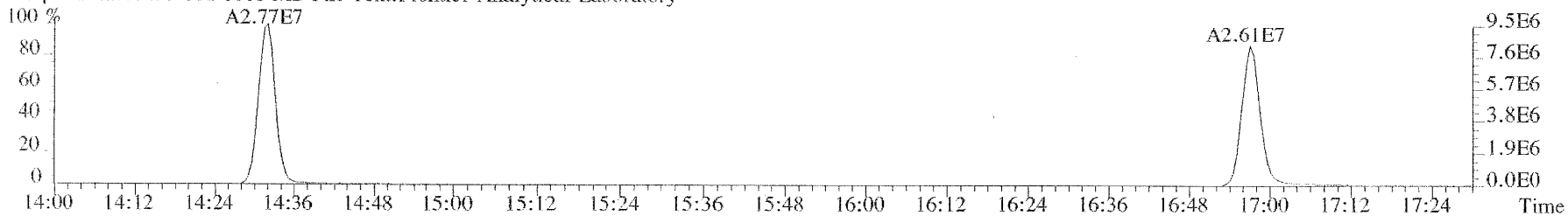
File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



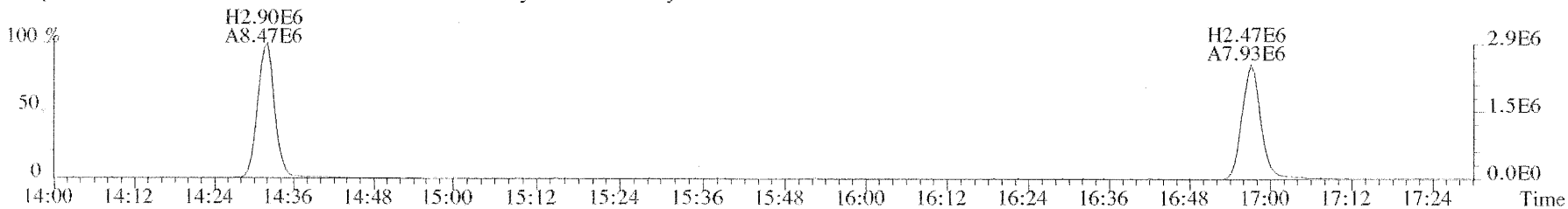
File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



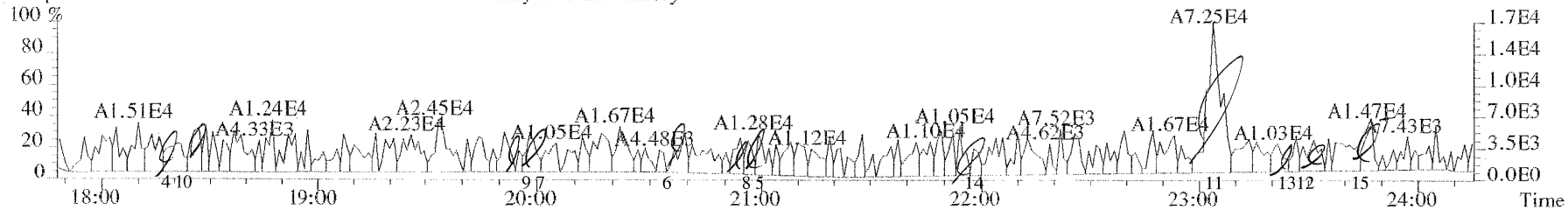
File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



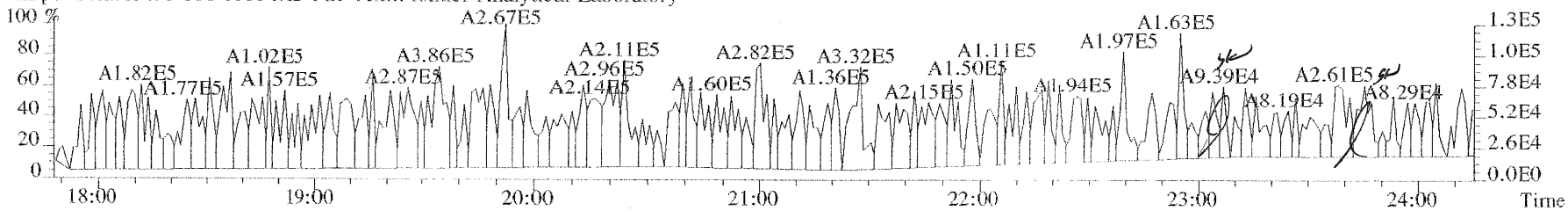
File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



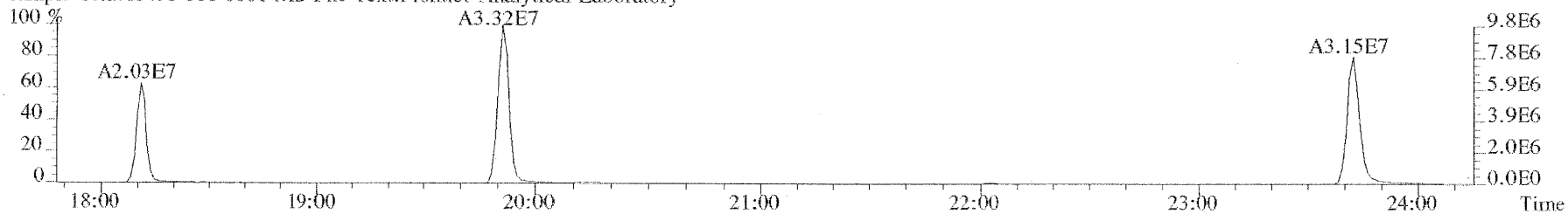
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



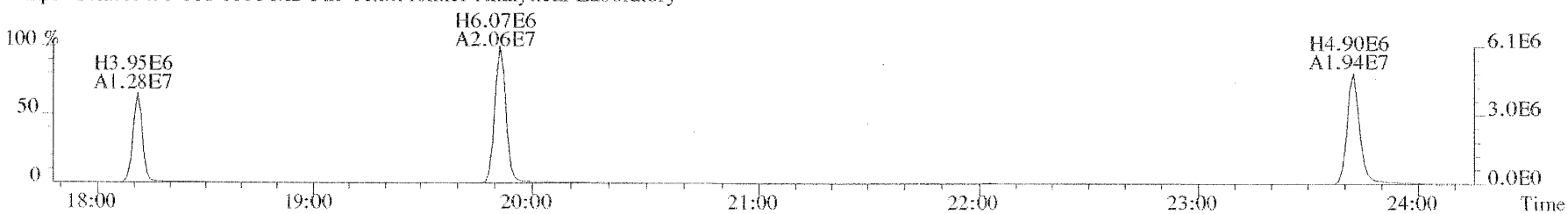
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



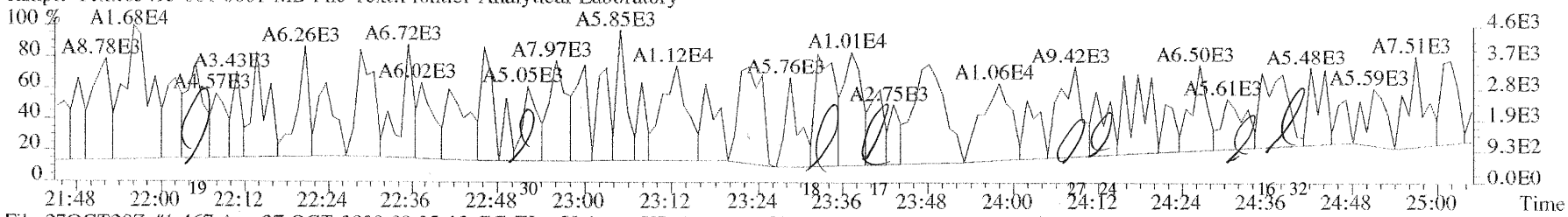
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



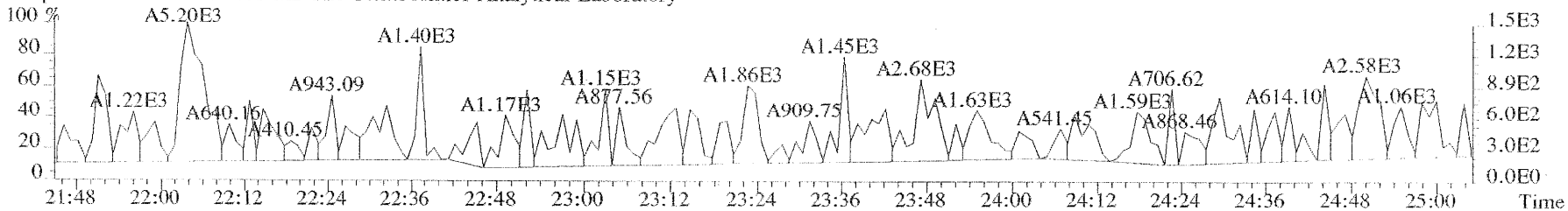
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



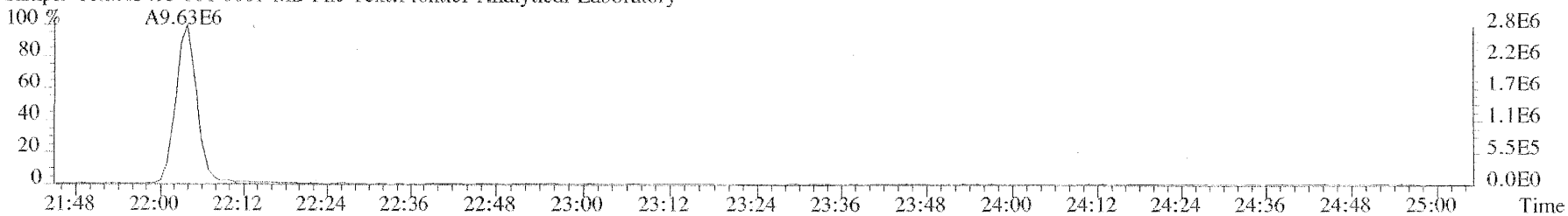
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



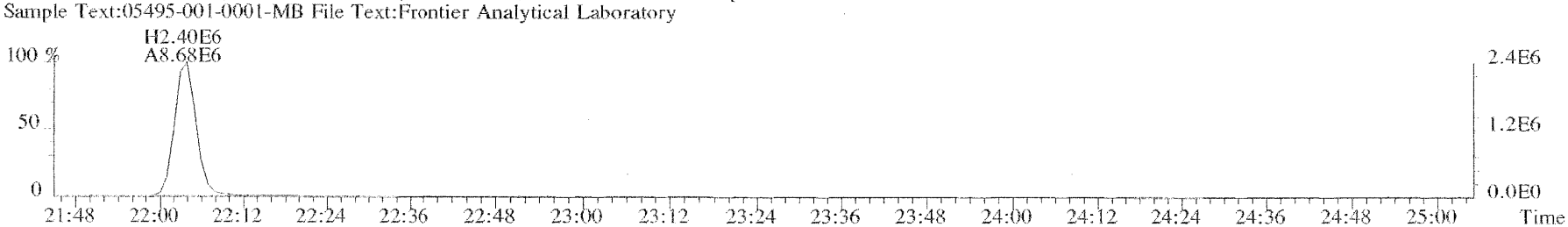
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



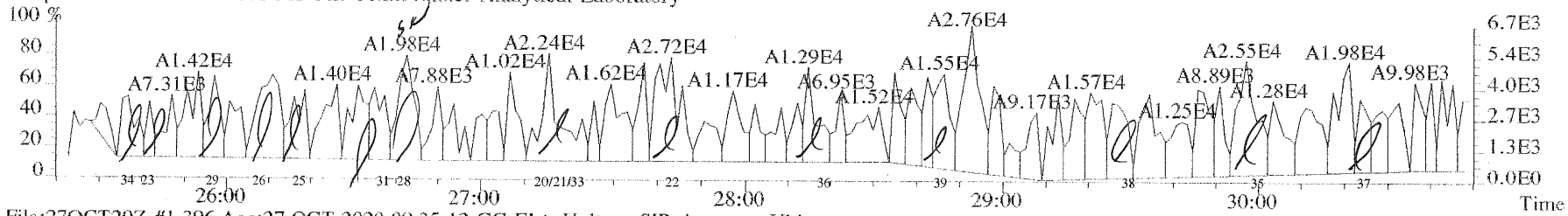
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



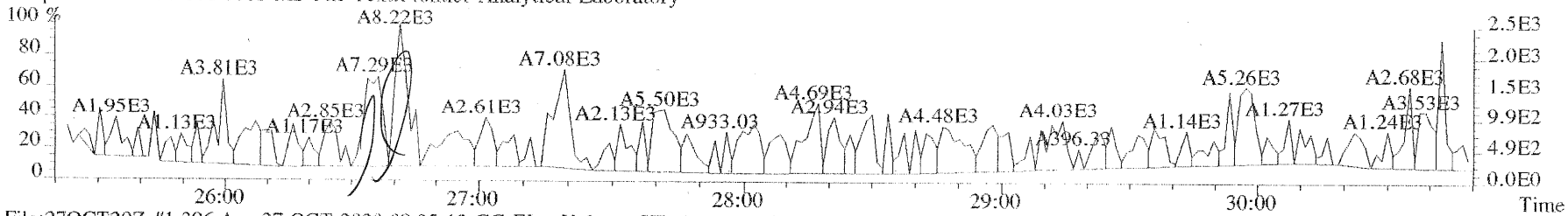
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



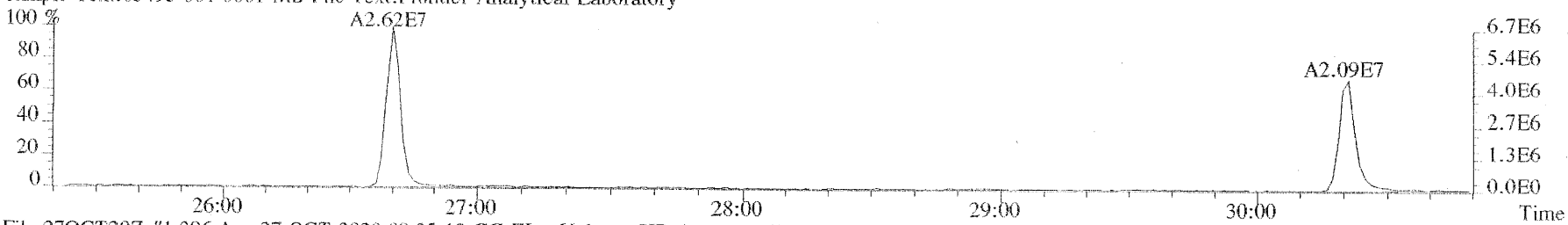
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



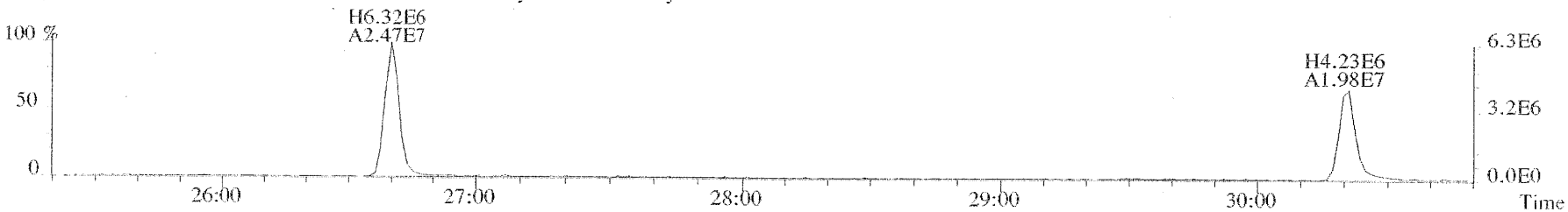
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



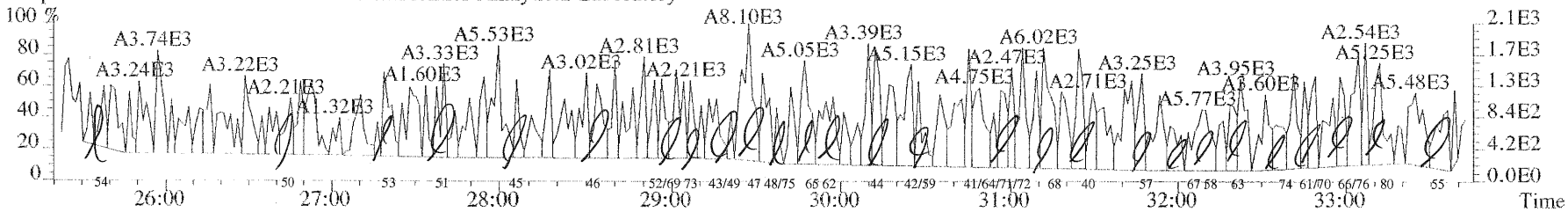
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



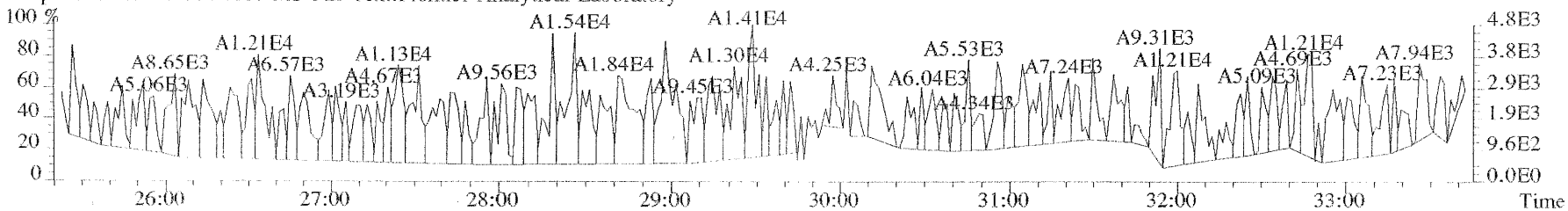
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



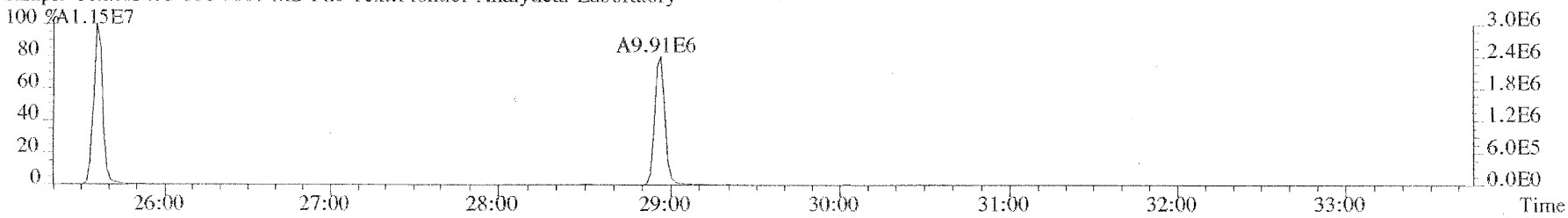
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



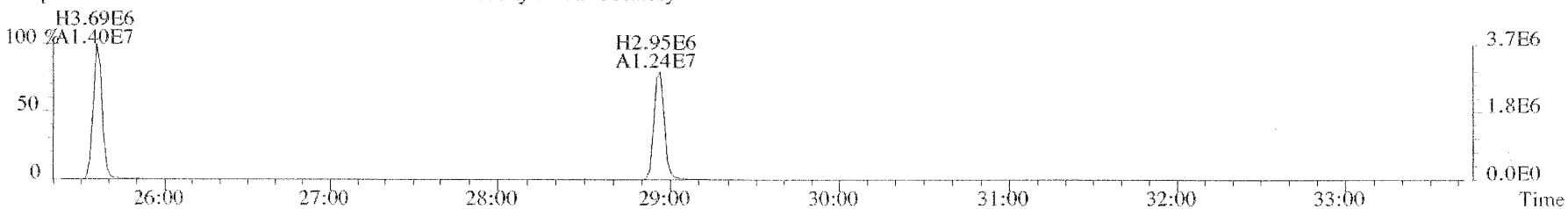
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



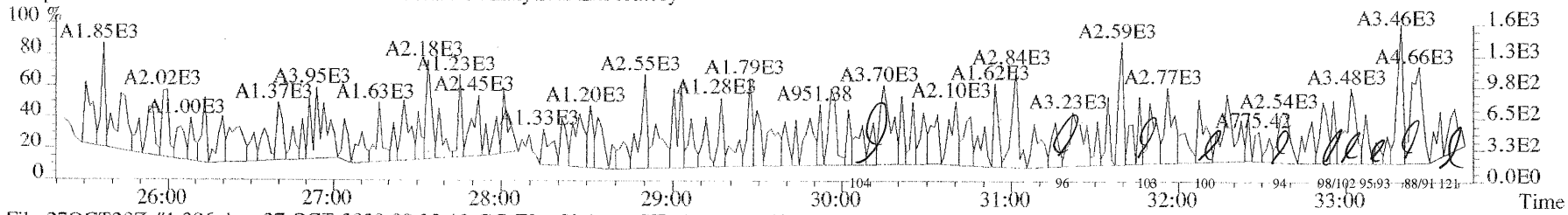
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



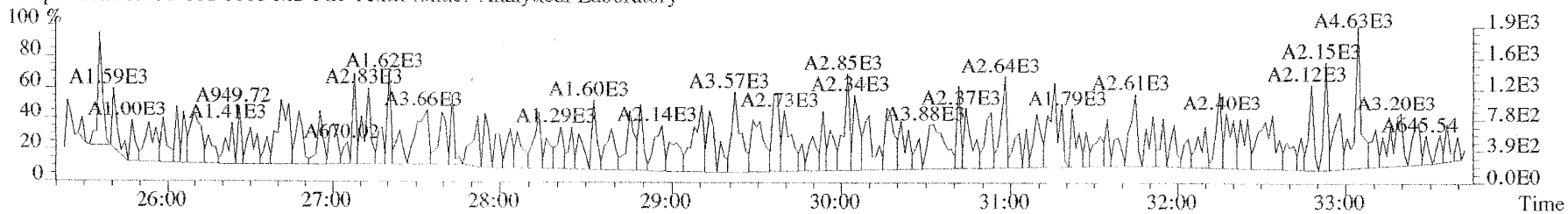
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



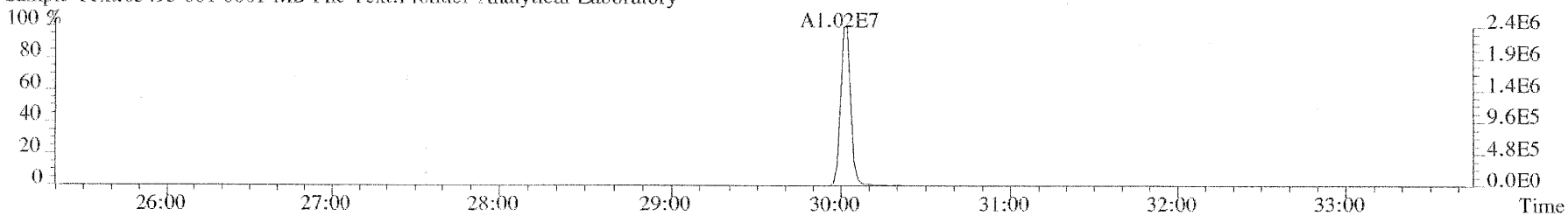
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



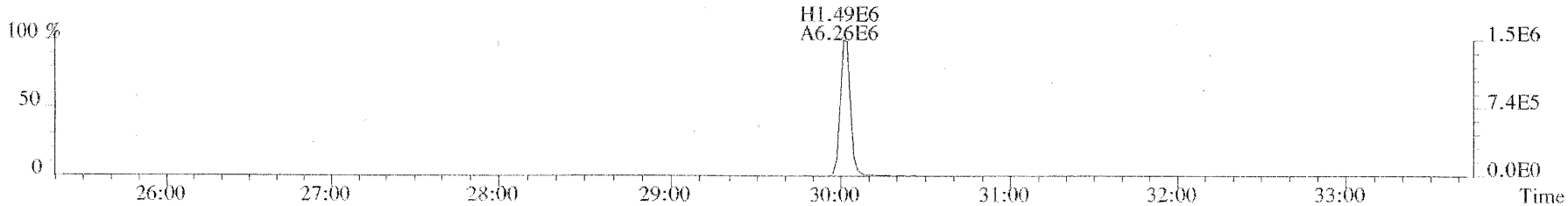
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



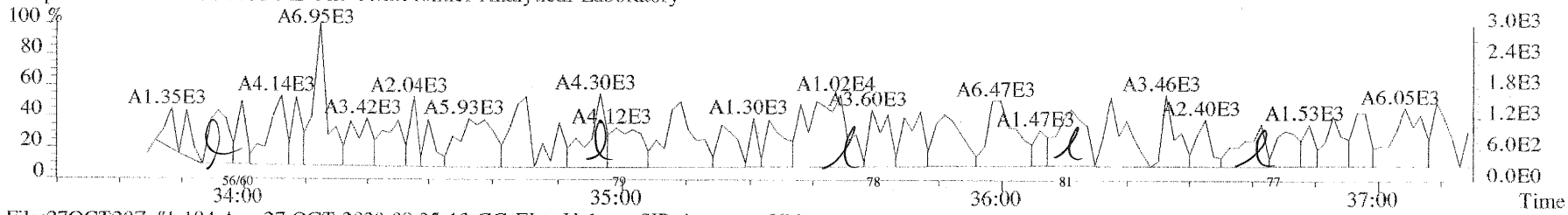
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



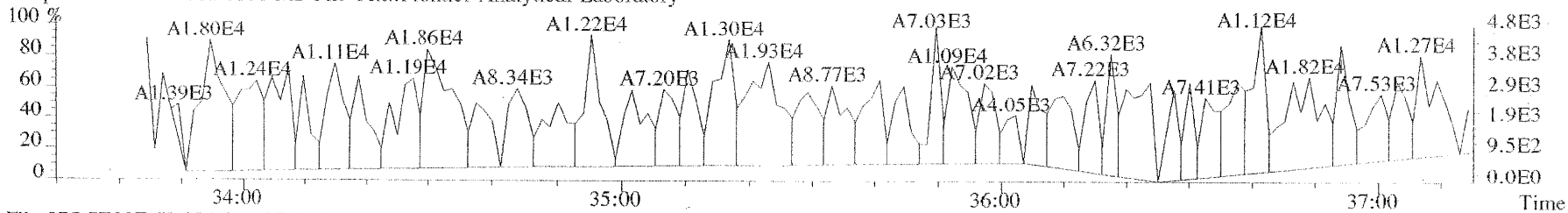
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



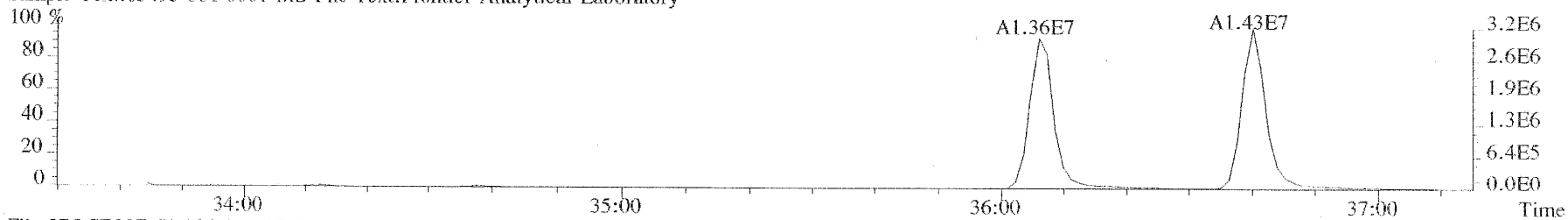
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



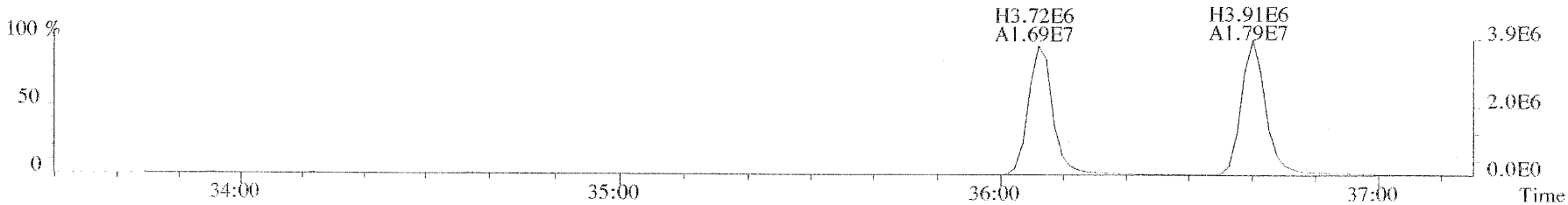
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



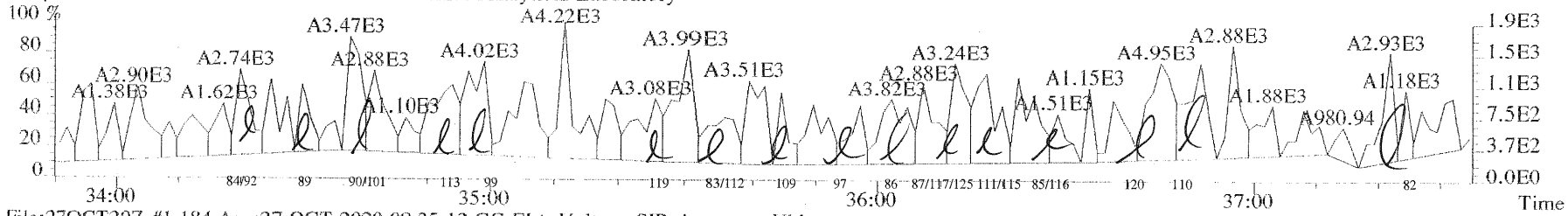
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



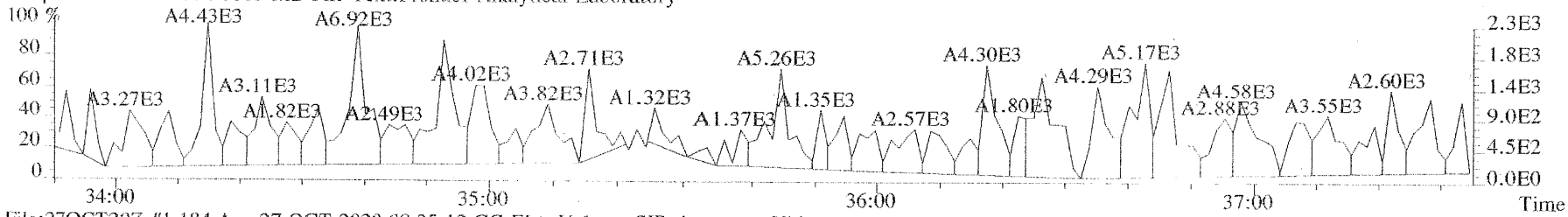
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



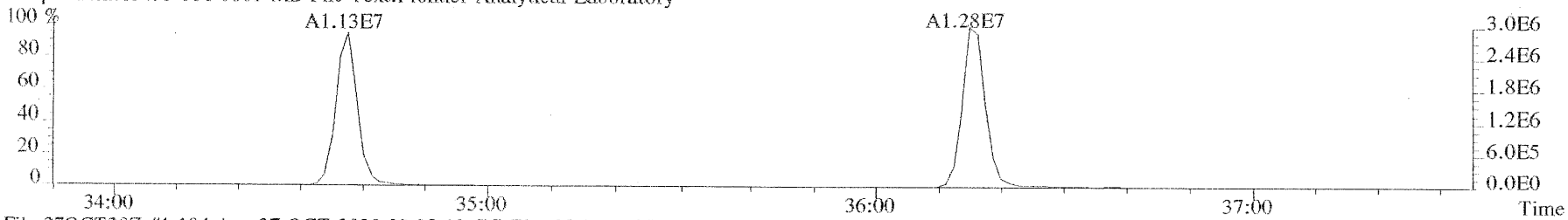
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



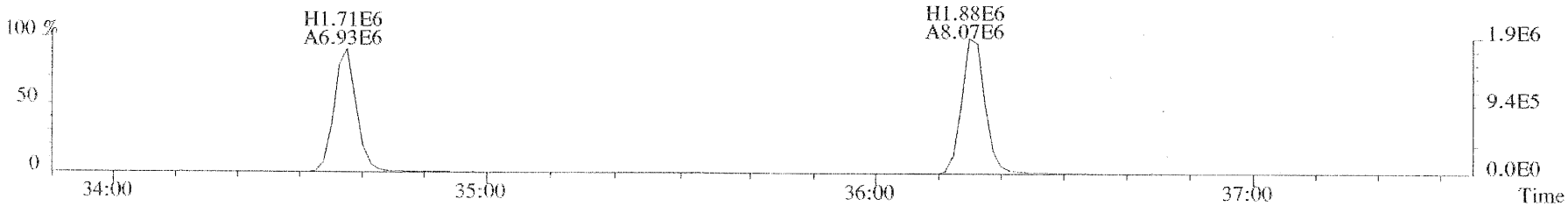
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



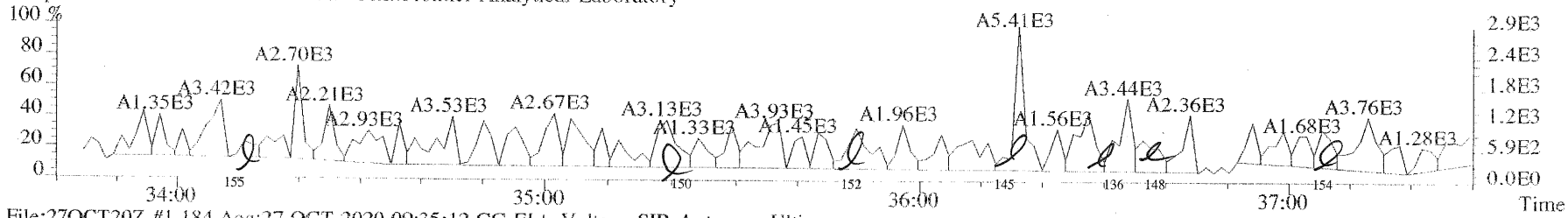
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



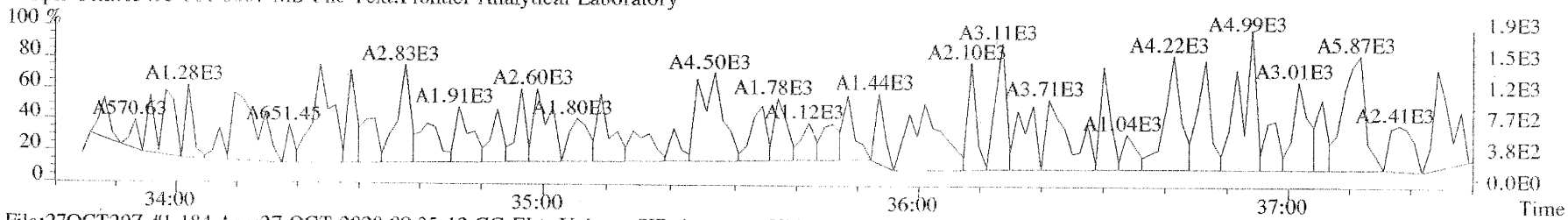
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



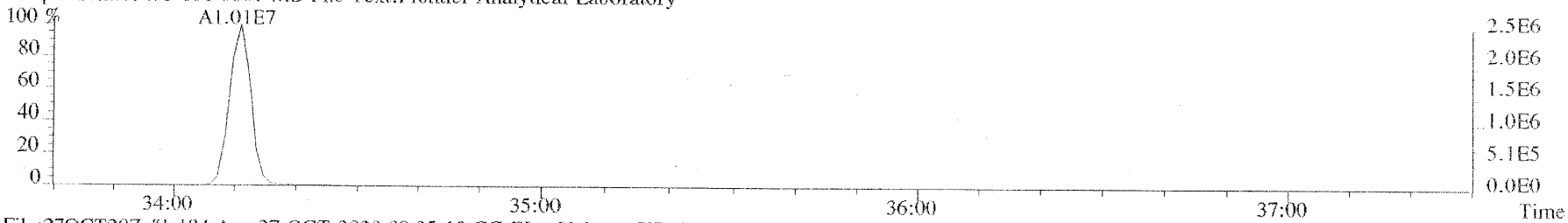
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



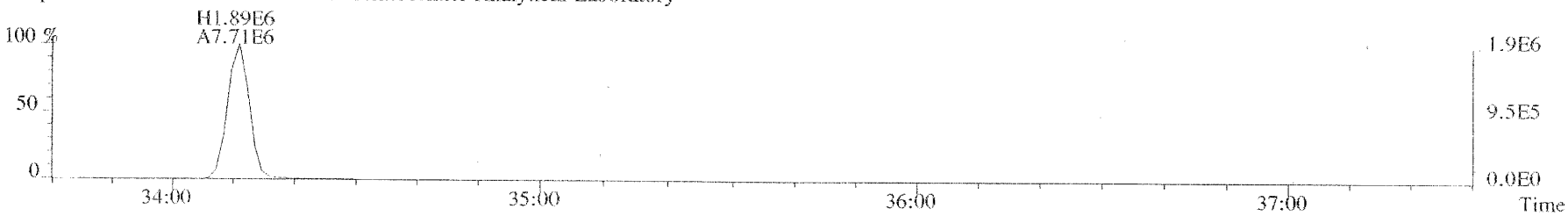
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



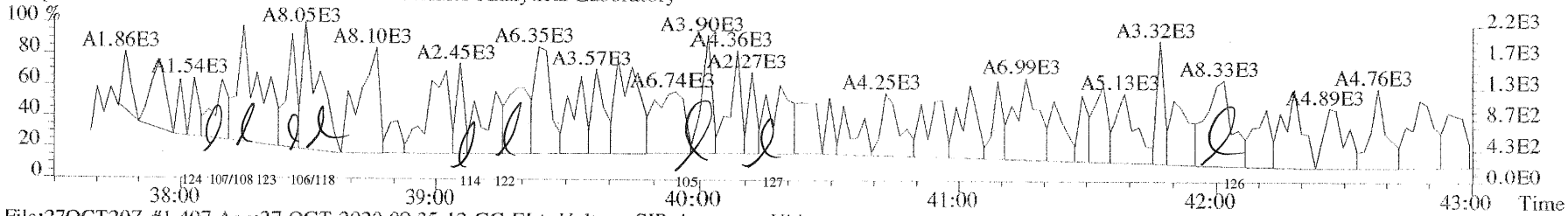
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



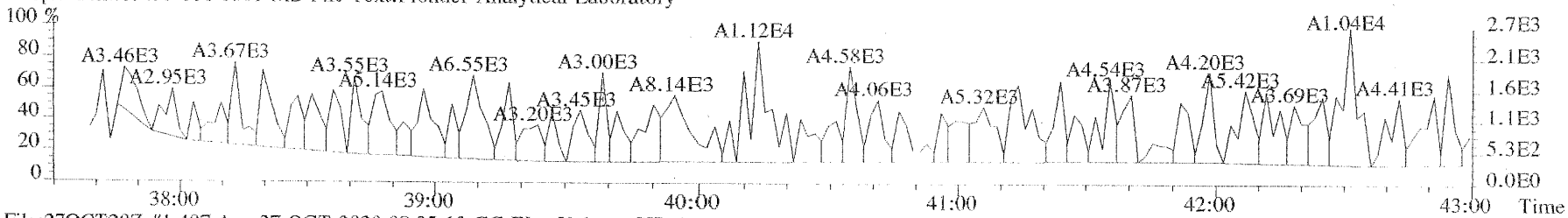
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



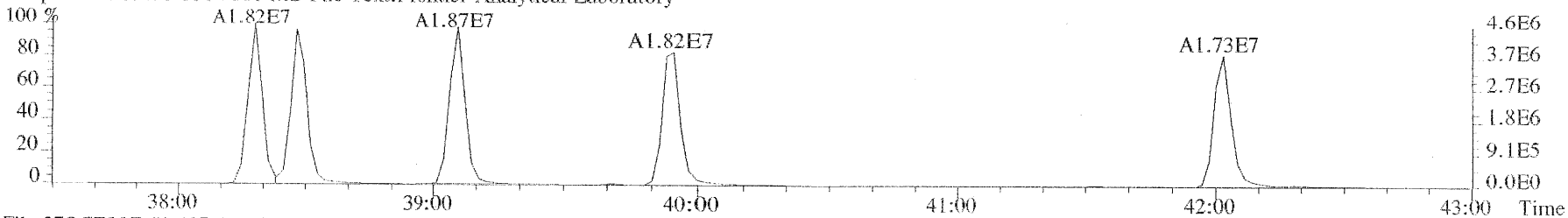
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



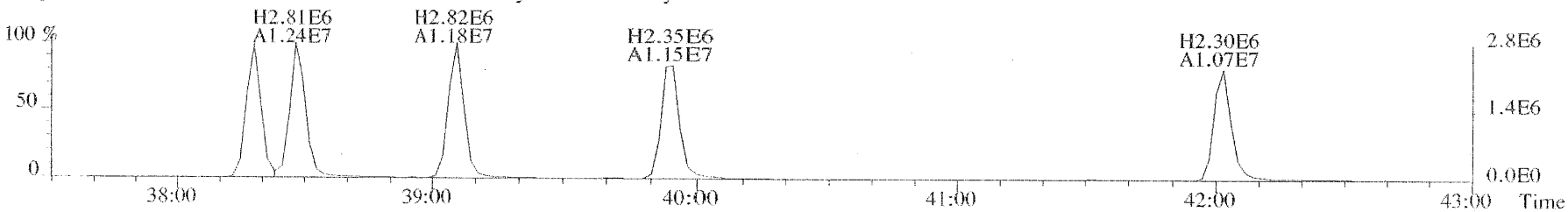
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



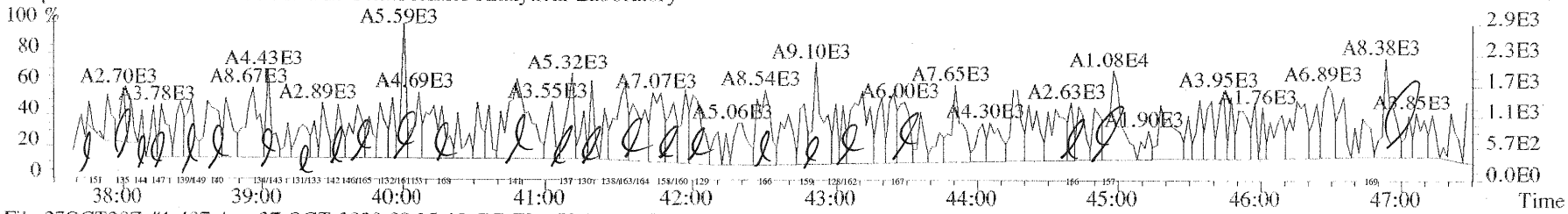
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



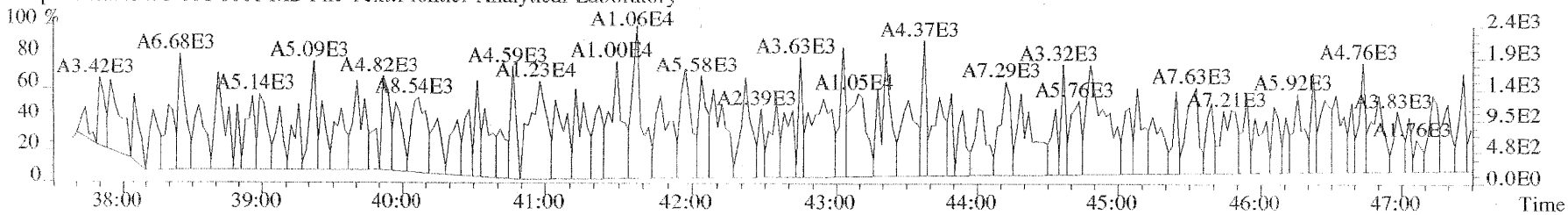
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



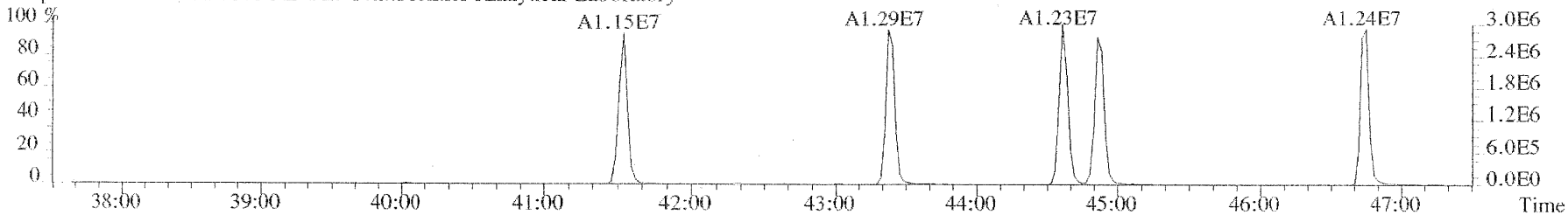
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



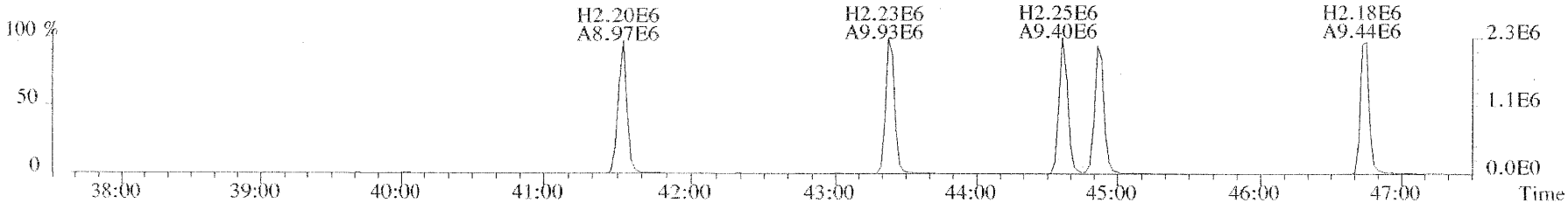
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



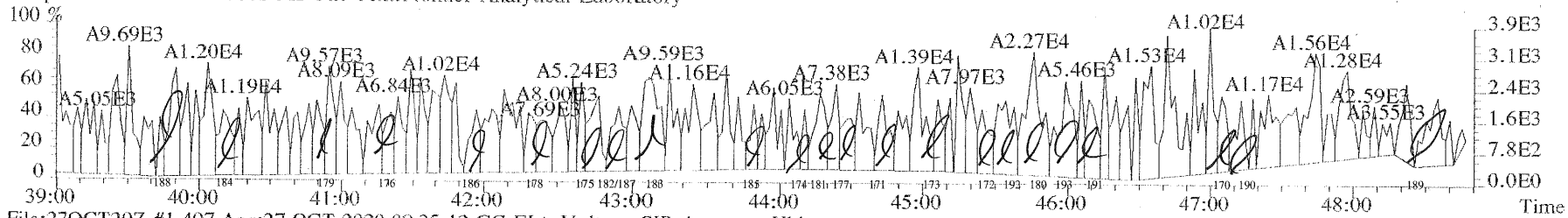
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



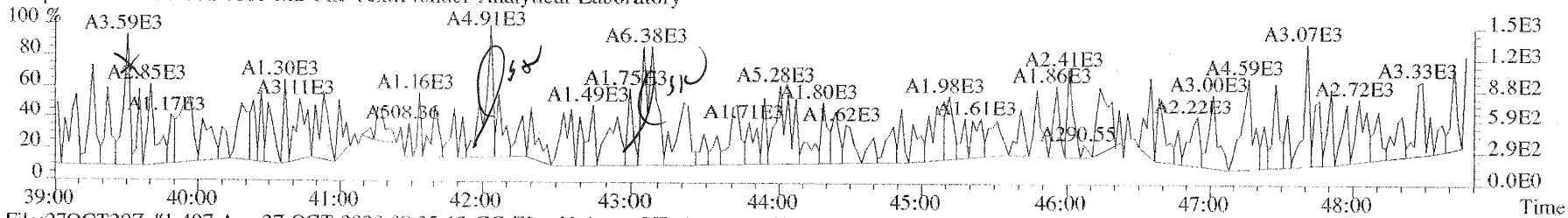
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



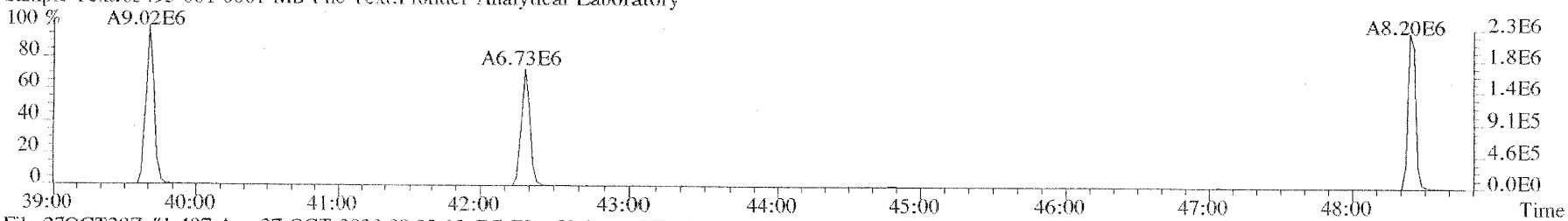
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



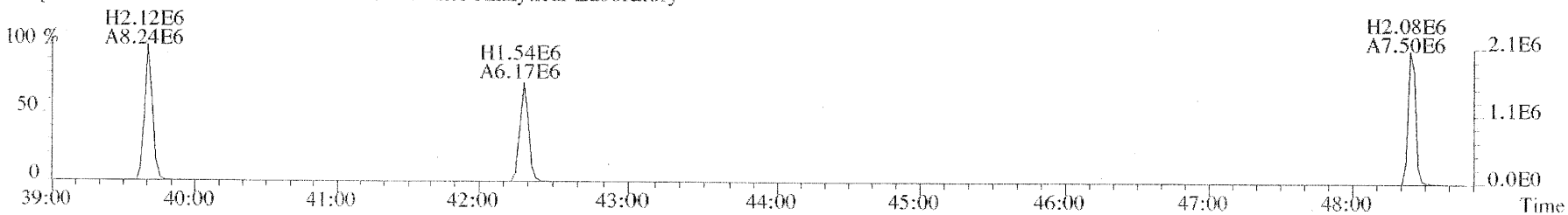
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



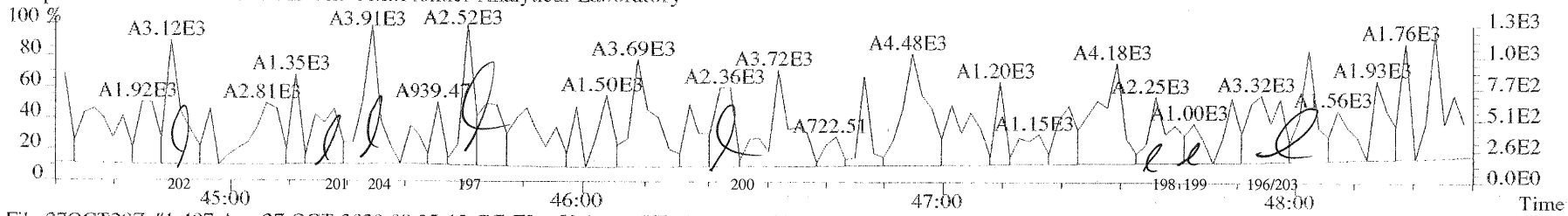
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



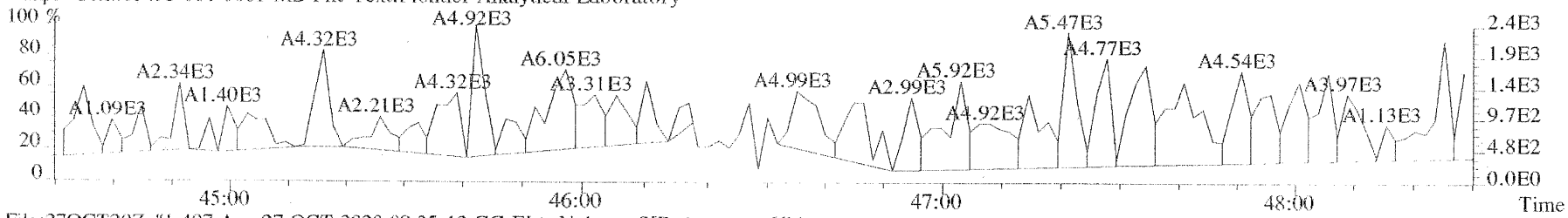
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



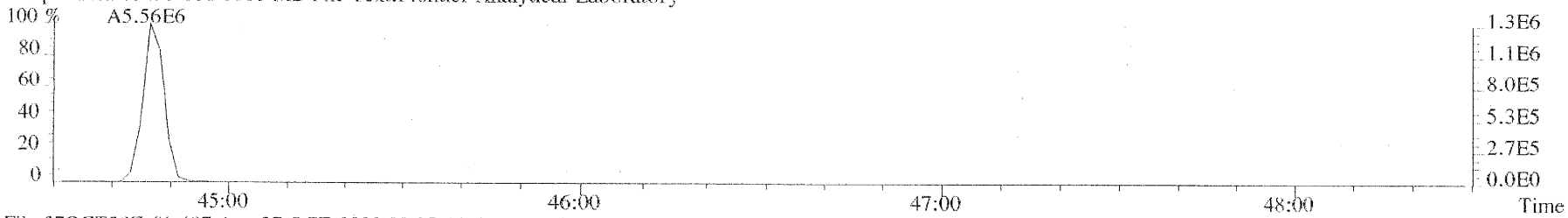
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



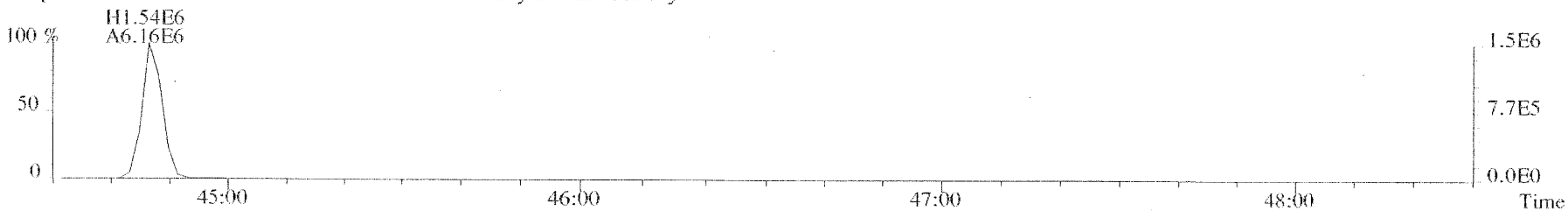
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



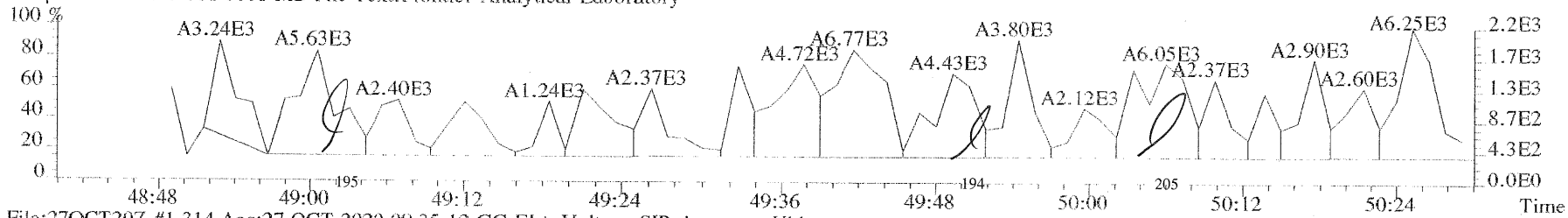
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



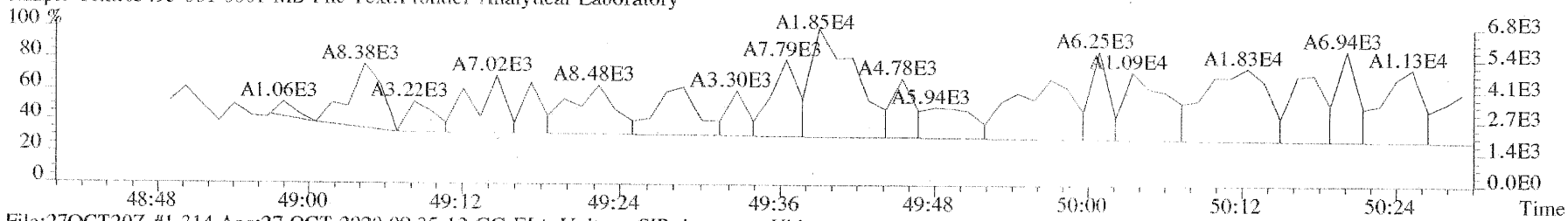
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



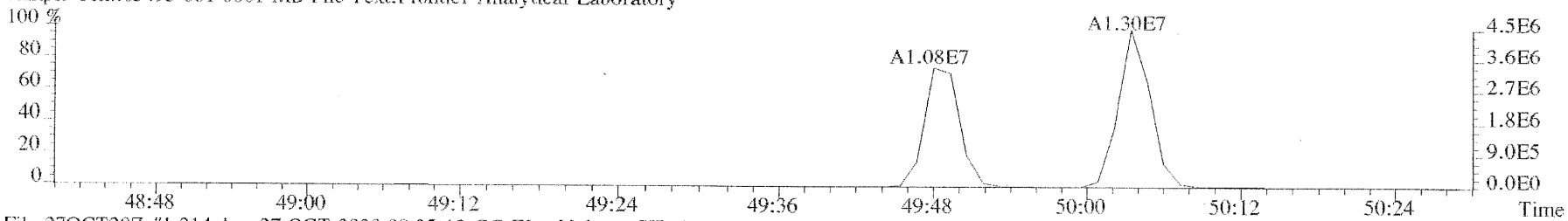
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



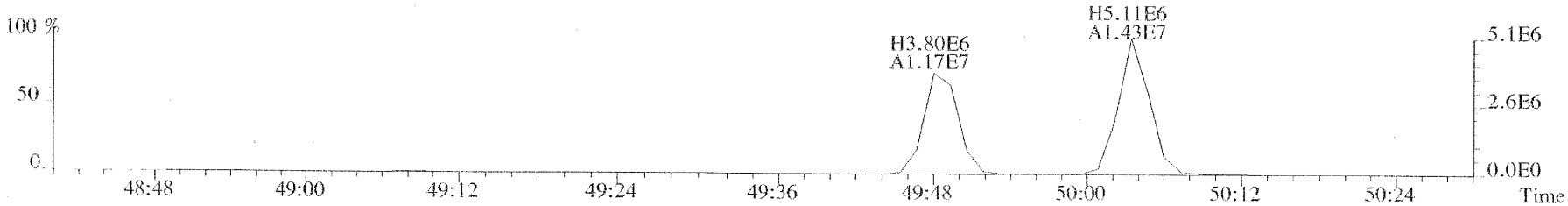
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



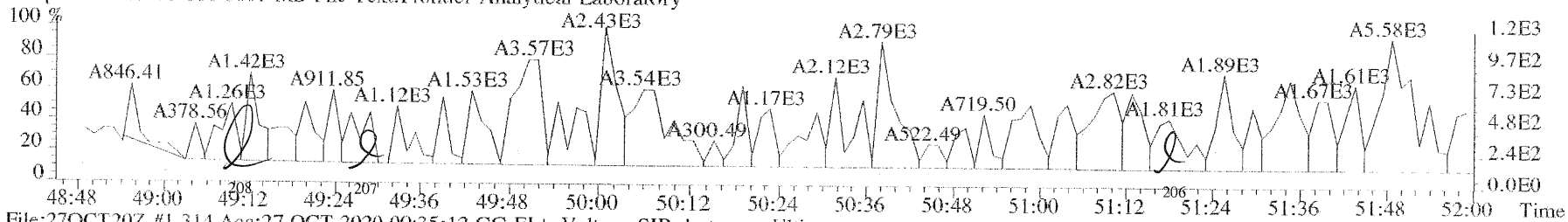
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



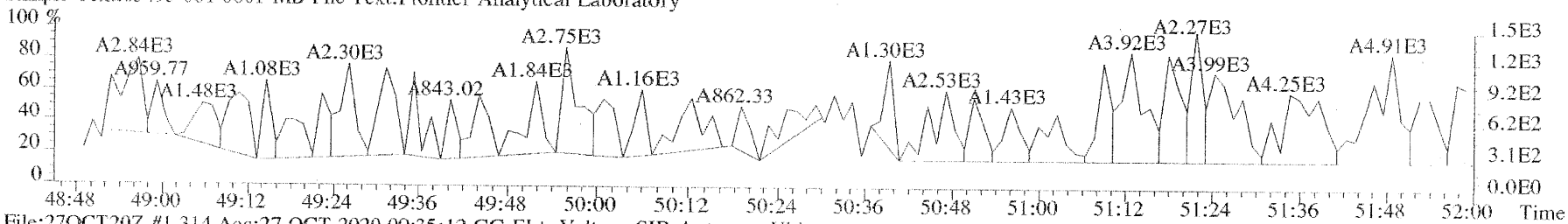
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



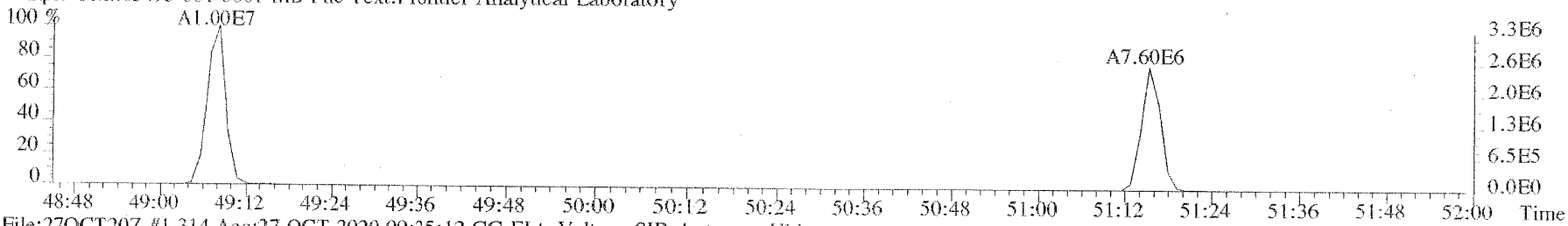
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



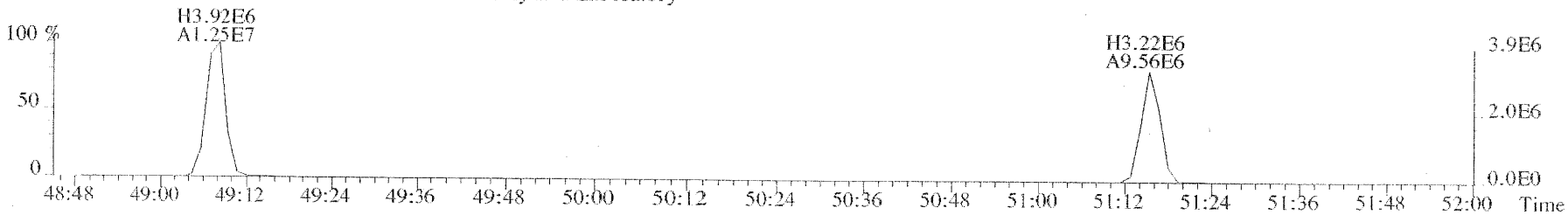
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



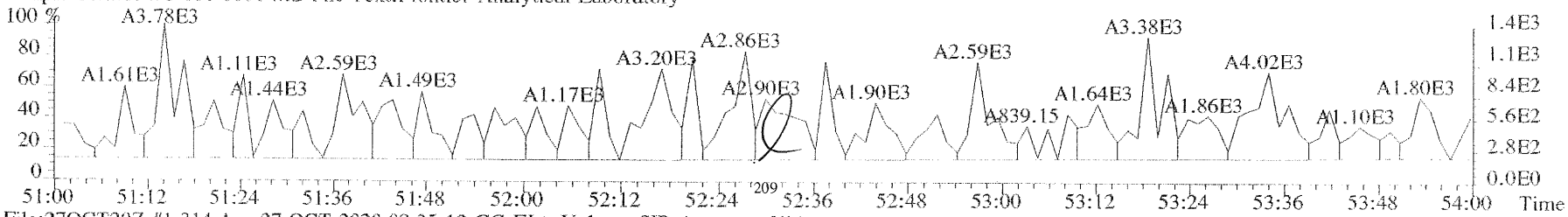
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



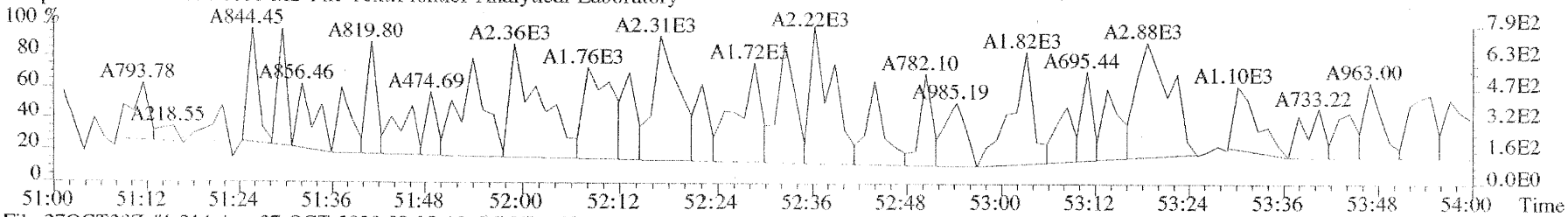
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



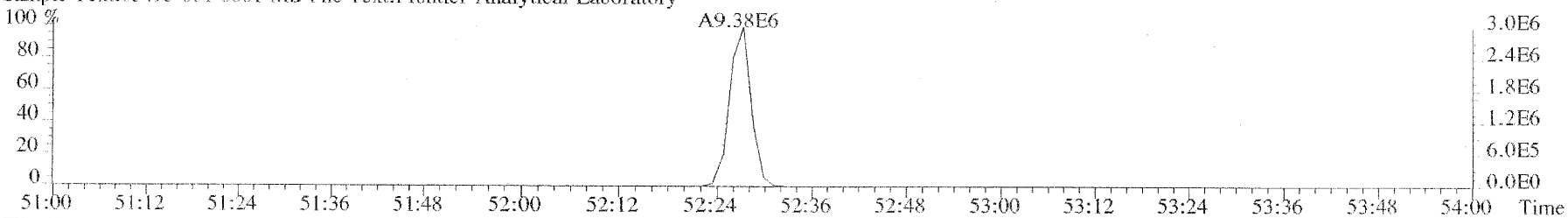
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



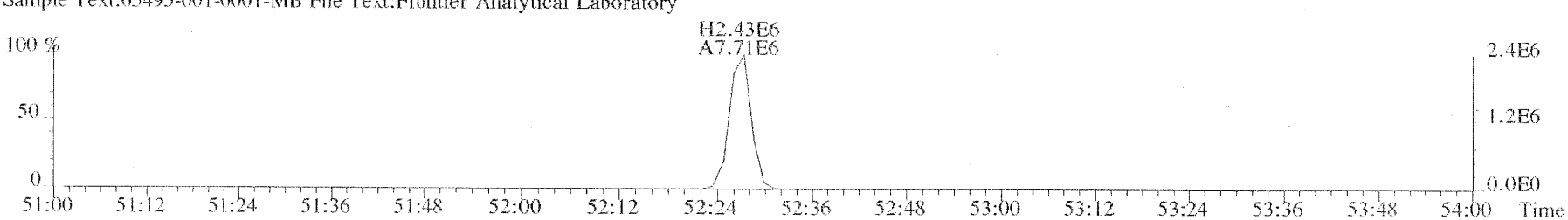
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 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:05495-001-0001-MB File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 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:05495-001-0001-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: 05495-001-0001-OPR

Matrix (aqueous/solid/leachate): Sediment OPR Data Filename: 27OCT20Z Sam:3

Ext. Date: 10/22/20 Shift: Day Analysis Date: 27-OCT-20 08:36:51

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	52.1	30.0 - 67.5
PCB-3	50	52.6	30.0 - 67.5
PCB-4	50	54.1	30.0 - 67.5
PCB-15	50	48.0	30.0 - 67.5
PCB-19	50	50.5	30.0 - 67.5
PCB-37	50	46.7	30.0 - 67.5
PCB-54	50	51.2	30.0 - 67.5
PCB-77	50	47.2	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	45.1	30.0 - 67.5
PCB-114	50	48.2	30.0 - 67.5
PCB-118	50	50.4	30.0 - 67.5
PCB-123	50	53.0	30.0 - 67.5
PCB-126	50	48.7	30.0 - 67.5
PCB-155	50	51.2	30.0 - 67.5
PCB-156	50	48.1	30.0 - 67.5
PCB-157	50	48.5	30.0 - 67.5
PCB-167	50	49.7	30.0 - 67.5
PCB-169	50	49.5	30.0 - 67.5
PCB-188	50	50.2	30.0 - 67.5
PCB-189	50	48.8	30.0 - 67.5
PCB-202	50	55.5	30.0 - 67.5
PCB-205	50	51.4	30.0 - 67.5
PCB-206	50	48.7	30.0 - 67.5
PCB-208	50	50.7	30.0 - 67.5
PCB-209	50	50.1	30.0 - 67.5

Analyst: _____ Date: 11/6/20

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05495-001-0001-OPR

Matrix (aqueous/solid/leachate): Sediment OPR Data Filename: 27OCT20Z Sam:3

Ext. Date: 10/22/20 Shift: Day Analysis Date: 27-OCT-20 08:36:51

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	88.0	15.0 - 145
13C-PCB-3	100	87.0	15.0 - 145
13C-PCB-4	100	92.2	15.0 - 145
13C-PCB-15	100	86.8	15.0 - 145
13C-PCB-19	100	86.2	15.0 - 145
13C-PCB-37	100	95.7	15.0 - 145
13C-PCB-54	100	101	15.0 - 145
13C-PCB-77	100	91.9	40.0 - 145
13C-PCB-81	100	90.0	40.0 - 145
13C-PCB-104	100	102	40.0 - 145
13C-PCB-105	100	96.9	40.0 - 145
13C-PCB-114	100	95.5	40.0 - 145
13C-PCB-118	100	96.8	40.0 - 145
13C-PCB-123	100	93.2	40.0 - 145
13C-PCB-126	100	87.5	40.0 - 145
13C-PCB-155	100	98.1	40.0 - 145
13C-PCB-156	100	96.2	40.0 - 145
13C-PCB-157	100	98.2	40.0 - 145
13C-PCB-167	100	95.1	40.0 - 145
13C-PCB-169	100	97.7	40.0 - 145
13C-PCB-188	100	102	40.0 - 145
13C-PCB-189	100	105	40.0 - 145
13C-PCB-202	100	104	40.0 - 145
13C-PCB-205	100	96.8	40.0 - 145
13C-PCB-206	100	104	40.0 - 145
13C-PCB-208	100	97.6	40.0 - 145
13C-PCB-209	100	98.6	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	93.1	15.0 - 145
13C-PCB-111	100	85.6	40.0 - 145
13C-PCB-178	100	91.6	40.0 - 145

Analyst: [illegible] Date: 11/2/20

FAL ID: 05495-001-0001-OPR Filename: 27OCT20Z Sam:3 Acquired: 27-OCT-20 08:36:51 ICal: DAILY209FAL4-10-27-20 1 of 2
Client ID: OPR ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13373-13 GC Column: DB1MS Amount: 1.000

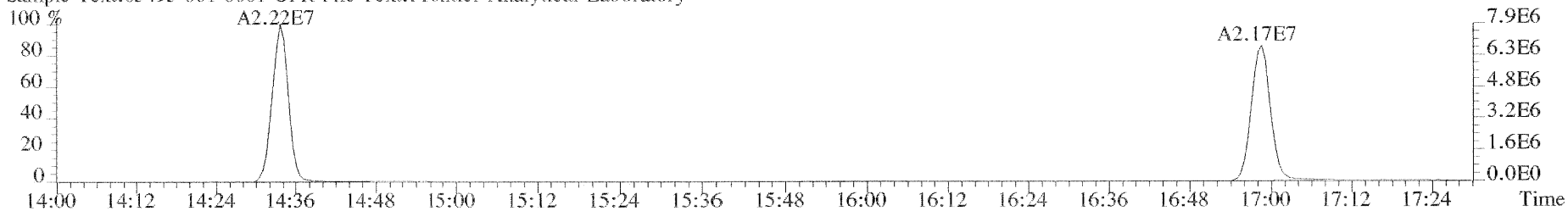
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.90e+07	3.26 y	14:33	1.37	52.1		2.50	-	-	*	
13C-PCB-1	4.08e+07	3.28 y	14:32	0.75	88.0		2.50				88.0
PCB-3	2.85e+07	3.18 y	16:59	1.35	52.6		2.50	-	-	*	
13C-PCB-3	3.99e+07	3.31 y	16:57	0.74	87.0		2.50				87.0
PCB-4	2.24e+07	1.47 y	18:13	1.14	54.1		2.50	-	-	*	
13C-PCB-4	3.65e+07	1.60 y	18:12	0.64	92.2		2.50				92.2
PCB-15	3.40e+07	1.55 y	23:43	1.23	48.0		2.50	-	-	*	
13C-PCB-15	5.74e+07	1.62 y	23:42	1.07	86.8		2.50				86.8
PCB-19	1.40e+07	1.07 y	22:05	1.35	50.5		2.50	-	-	*	
13C-PCB-19	2.06e+07	1.09 y	22:04	0.39	86.2		2.50				86.2
13C-PCB-9	6.17e+07	1.62 y	19:51	-	106		2.50				
PCB-37	2.79e+07	1.09 y	30:22	1.25	46.7		2.50	-	-	*	
13C-PCB-37	4.76e+07	1.07 y	30:21	1.93	95.7		2.50				95.7
PCB-54	1.98e+07	0.80 y	25:37	1.33	51.2		2.50	-	-	*	
13C-PCB-54	2.91e+07	0.82 y	25:35	1.12	101		2.50				101
PCB-104	1.15e+07	1.56 y	30:03	1.23	50.2		2.50	-	-	*	
13C-PCB-104	1.86e+07	1.59 y	30:02	0.70	102		2.50				102
13C-PCB-28	5.36e+07	1.07 y	26:40	2.24	93.1		2.50				93.1
13C-PCB-52	2.57e+07	0.80 y	28:56	-	94.4		2.50				
PCB-81	2.26e+07	0.81 y	36:07	1.37	45.6		2.50	-	-	*	
13C-PCB-81	3.61e+07	0.80 y	36:06	1.87	90.0		2.50				90.0
PCB-77	2.21e+07	0.81 y	36:41	1.25	47.2		2.50	-	-	*	
13C-PCB-77	3.75e+07	0.79 y	36:40	1.90	91.9		2.50				91.9
PCB-155	1.17e+07	1.25 y	34:12	1.14	51.2		2.50	-	-	*	
13C-PCB-155	1.99e+07	1.30 y	34:11	0.94	98.1		2.50				98.1
13C-PCB-111	2.33e+07	1.64 y	36:16	1.27	85.6		2.50				85.6
13C-PCB-101	2.15e+07	1.64 y	34:37	-	93.9		2.50				
PCB-123	1.97e+07	1.54 y	38:19	1.08	53.0		2.50	-	-	*	
13C-PCB-123	3.46e+07	1.58 y	38:18	1.54	93.2		2.50				93.2
PCB-118	2.20e+07	1.56 y	38:29	1.17	50.4		2.50	-	-	*	
13C-PCB-118	3.74e+07	1.61 y	38:28	1.60	96.8		2.50				96.8
PCB-114	2.08e+07	1.57 y	39:07	1.19	48.2		2.50	-	-	*	
13C-PCB-114	3.63e+07	1.63 y	39:06	1.57	95.5		2.50				95.5
PCB-105	1.99e+07	1.54 y	39:55	1.24	45.1		2.50	-	-	*	
13C-PCB-105	3.55e+07	1.61 y	39:55	1.52	96.9		2.50				96.9
PCB-126	1.91e+07	1.58 y	42:02	1.18	48.7		2.50	-	-	*	
13C-PCB-126	3.31e+07	1.59 y	42:02	1.57	87.5		2.50				87.5
PCB-167	1.61e+07	1.27 y	43:24	1.24	49.7		2.50	-	-	*	
13C-PCB-167	2.62e+07	1.30 y	43:22	1.14	95.1		2.50				95.1
PCB-156	1.61e+07	1.27 y	44:38	1.30	48.1		2.50	-	-	*	
13C-PCB-156	2.58e+07	1.30 y	44:36	1.11	96.2		2.50				96.2
PCB-157	1.59e+07	1.29 y	44:53	1.25	48.5		2.50	-	-	*	
13C-PCB-157	2.63e+07	1.30 y	44:51	1.11	98.2		2.50				98.2
PCB-169	1.56e+07	1.27 y	46:45	1.23	49.5		2.50	-	-	*	
13C-PCB-169	2.57e+07	1.31 y	46:45	1.09	97.7		2.50				97.7
PCB-188	1.23e+07	1.08 y	39:42	1.23	50.2		2.50	-	-	*	
13C-PCB-188	1.98e+07	1.07 y	39:40	0.80	102		2.50				102
PCB-189	1.10e+07	1.06 y	48:25	1.21	48.8		2.50	-	-	*	
13C-PCB-189	1.86e+07	1.09 y	48:24	0.73	105		2.50				105
PCB-202	8.36e+06	0.93 y	44:48	1.10	55.5		2.50	-	-	*	
13C-PCB-202	1.38e+07	0.91 y	44:48	0.55	104		2.50				104
13C-PCB-178	1.38e+07	1.10 y	42:18	0.62	91.6		2.50				91.6
13C-PCB-138	2.42e+07	1.31 y	41:32	-	92.8		2.50				

FAL ID: 05495-001-0001-OPR Filename: 27OCT20Z Sam:3 Acquired: 27-OCT-20 08:36:51 ICal: DAILY209FAL4-10-27-202 of 2
Client ID: OPR ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13373-13 GC Column: DB1MS Amount: 1.000

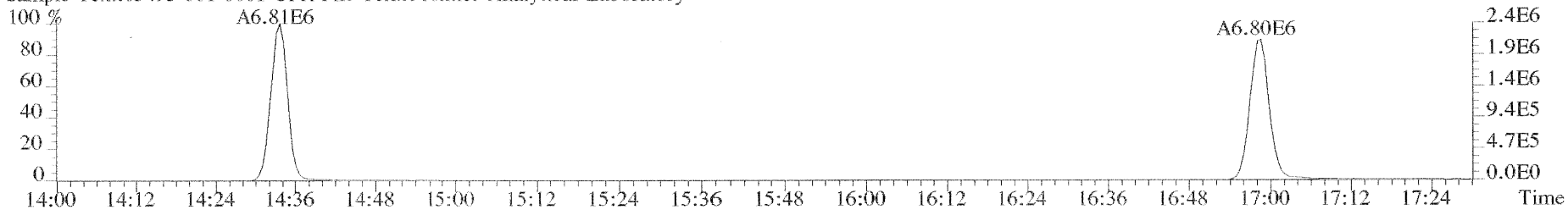
PCB-205	1.87e+07	0.92 y	50:05	1.17	51.4	2.50	-	-	*	
13C-PCB-205	3.11e+07	0.90 y	50:03	1.20	96.8	2.50				96.8
PCB-208	1.46e+07	1.38 y	49:08	1.13	50.7	2.50	-	-	*	
13C-PCB-208	2.55e+07	0.82 y	49:08	0.98	97.6	2.50				97.6
PCB-206	1.12e+07	1.35 y	51:17	1.19	48.7	2.50	-	-	*	
13C-PCB-206	1.93e+07	0.80 y	51:15	0.70	104	2.50				104
PCB-209	1.13e+07	1.22 y	52:27	1.23	50.1	2.50	-	-	*	
13C-PCB-209	1.83e+07	1.22 y	52:27	0.70	98.6	2.50				98.6
13C-PCB-194	2.67e+07	0.92 y	49:48	-	102	2.50				

Analyst: _____ Date: 11/2/20

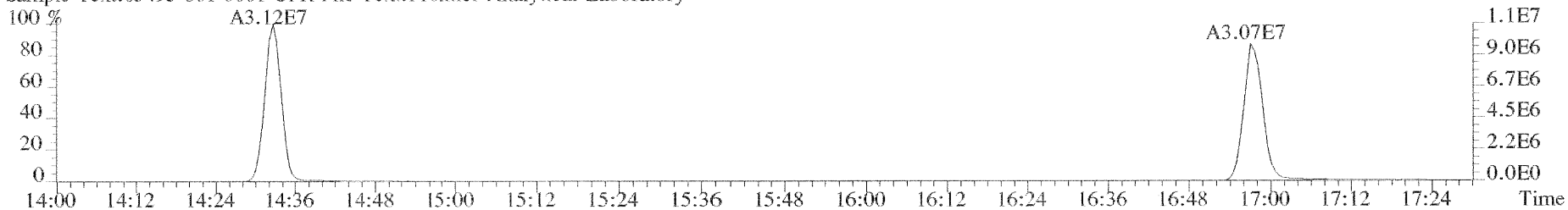
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



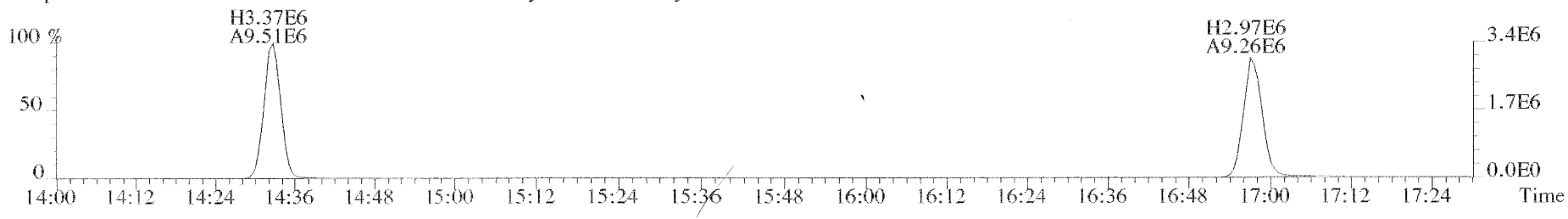
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



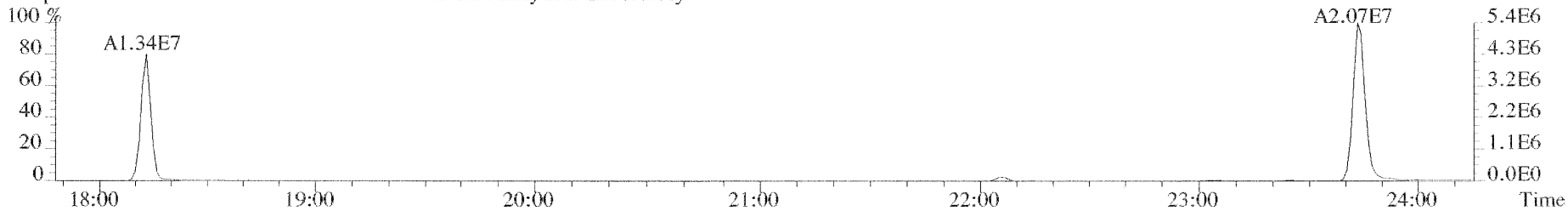
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



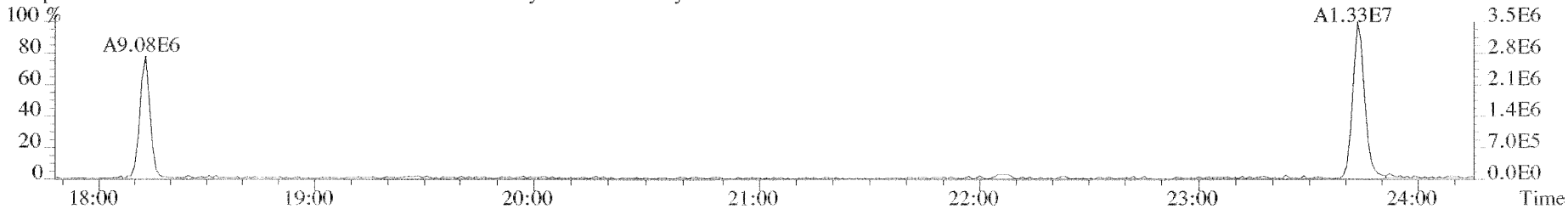
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



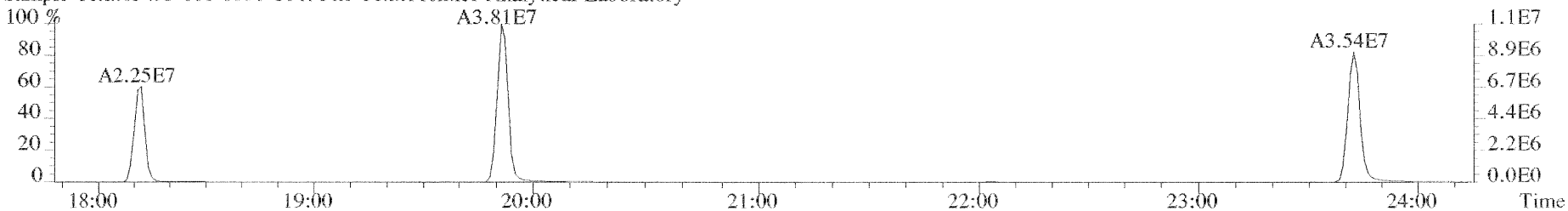
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



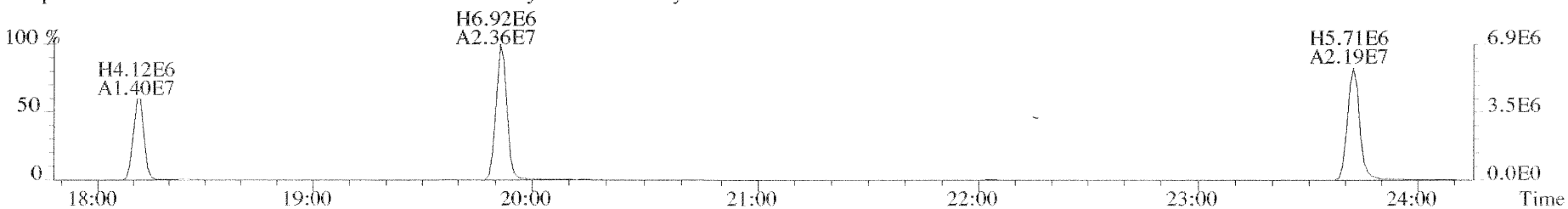
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



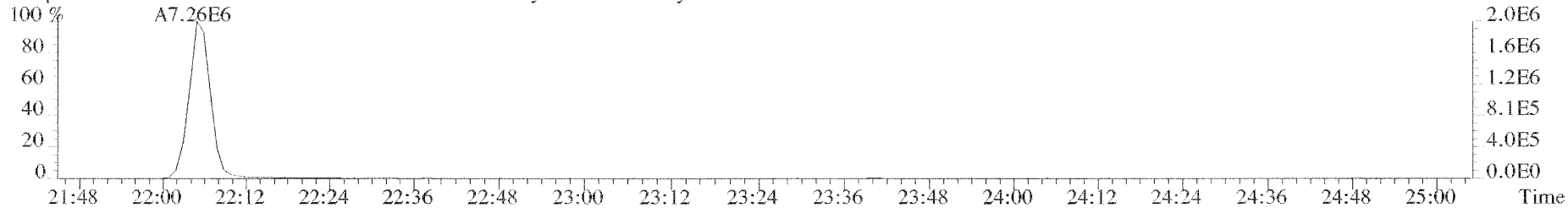
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



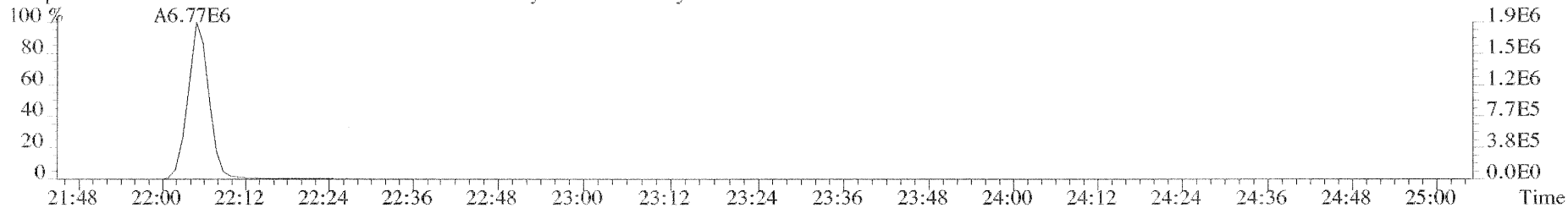
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



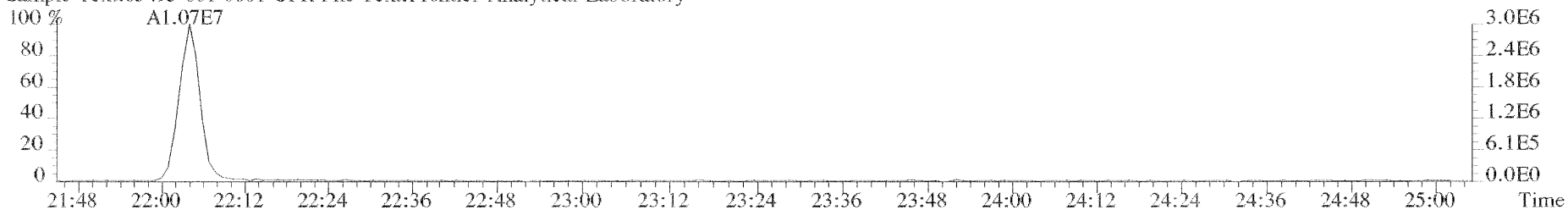
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



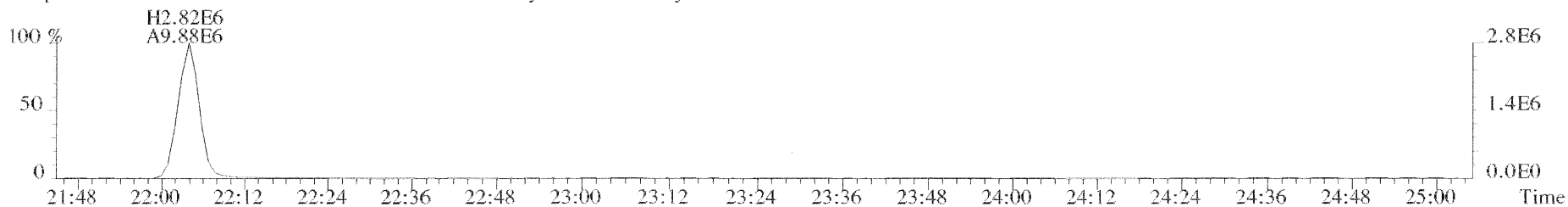
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



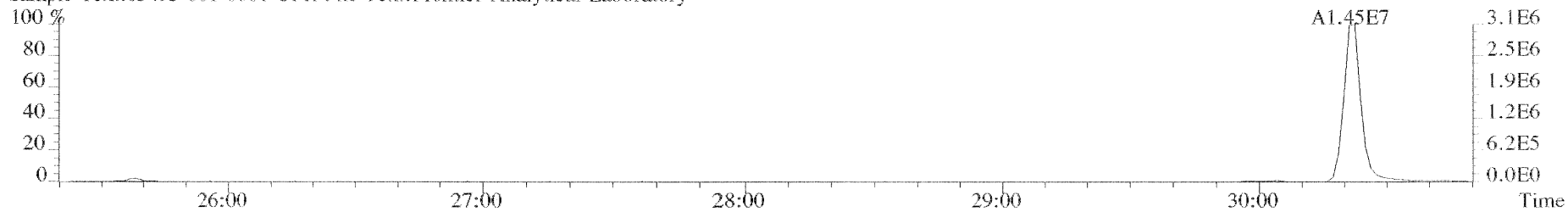
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



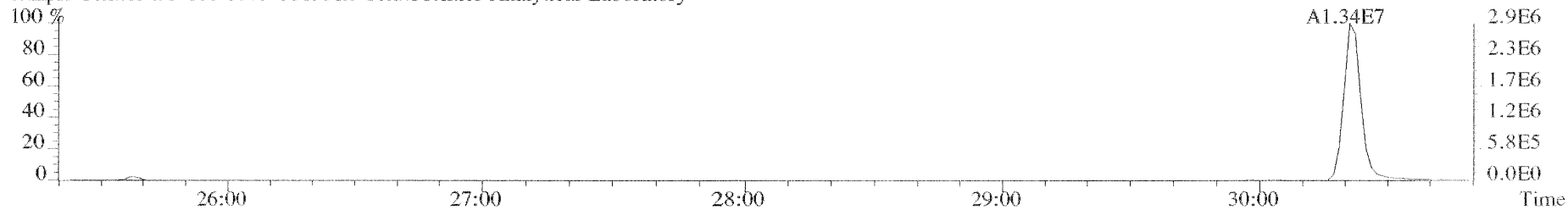
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



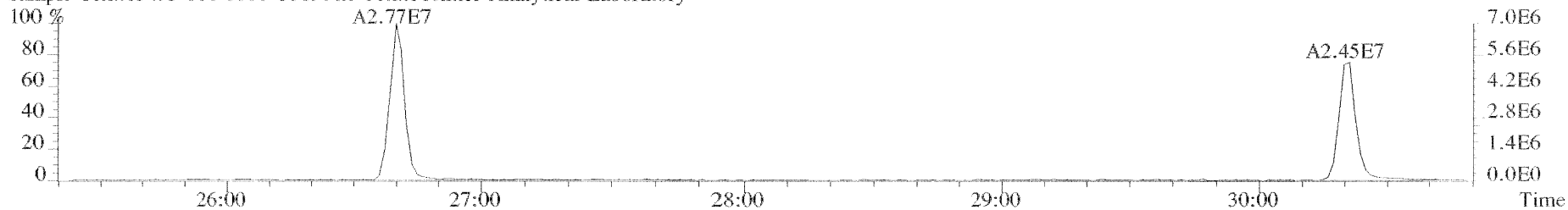
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



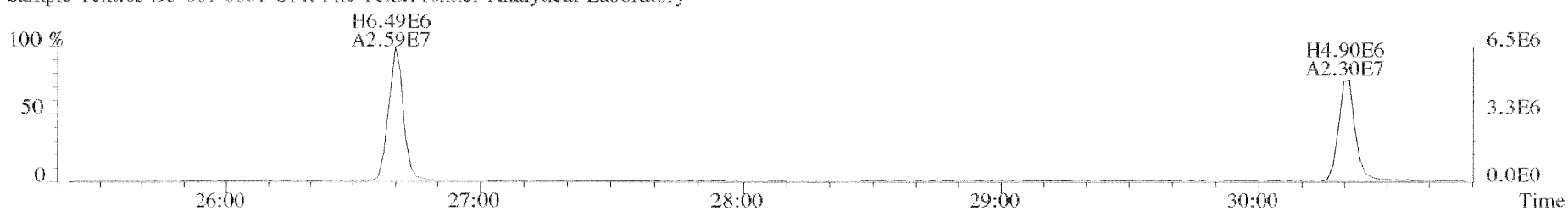
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



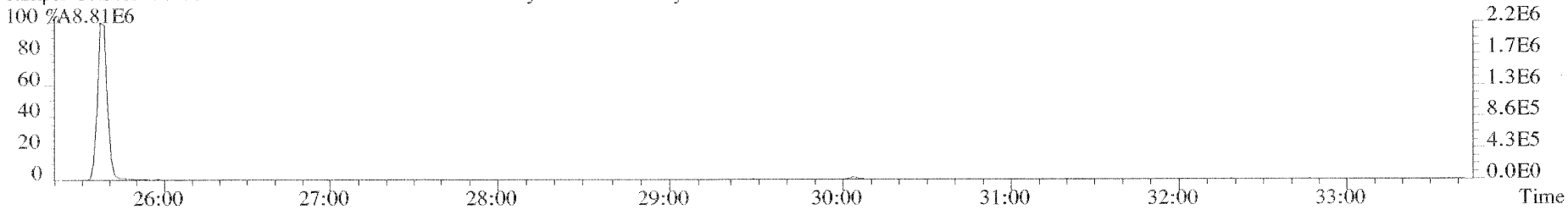
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



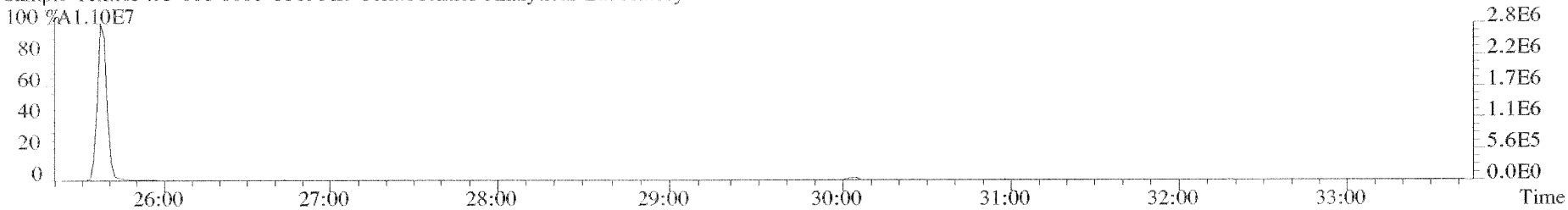
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



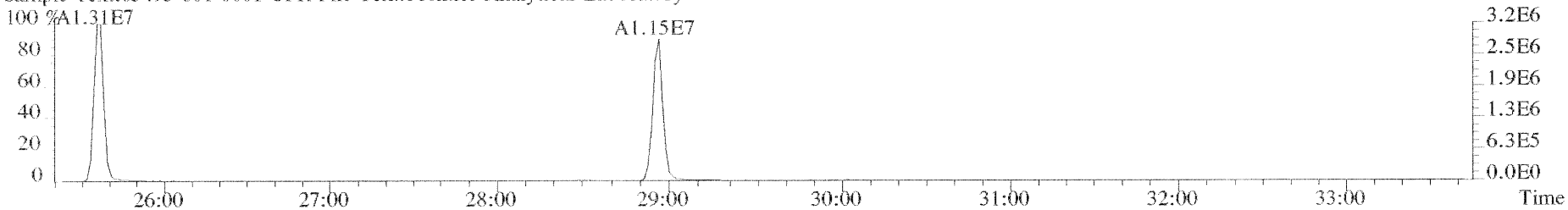
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



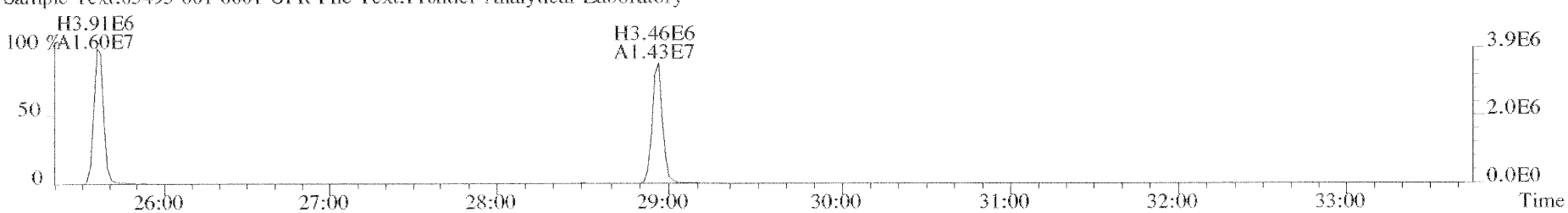
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



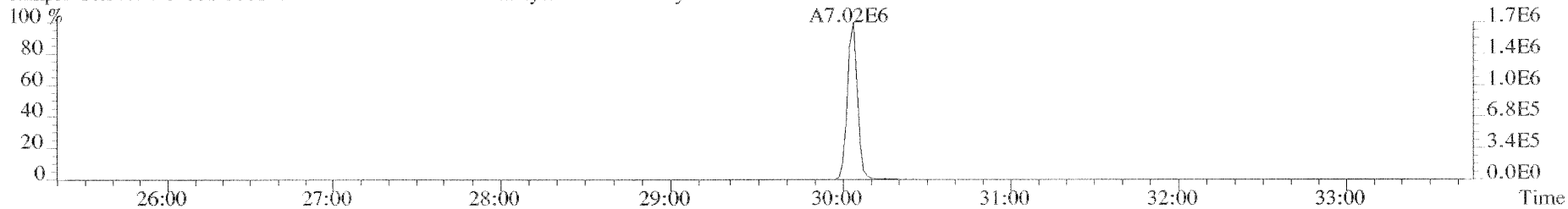
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



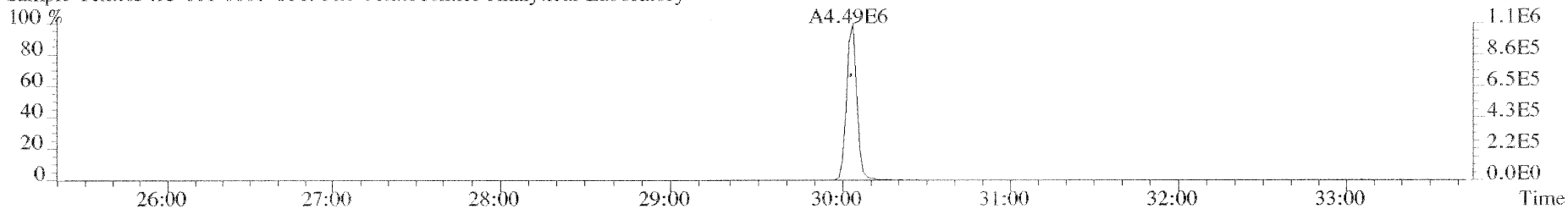
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



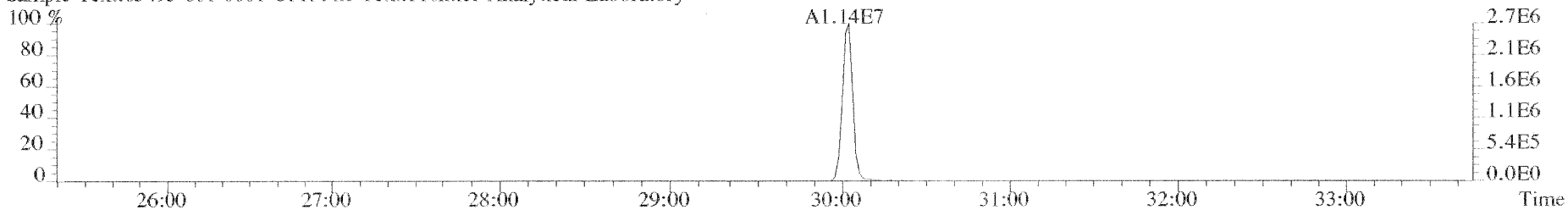
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



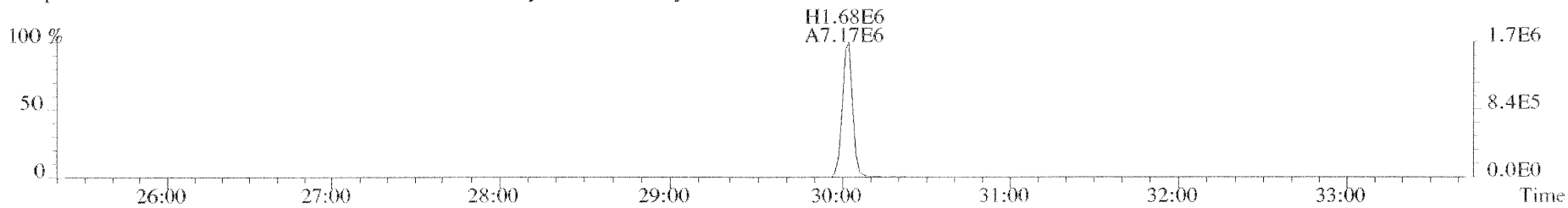
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



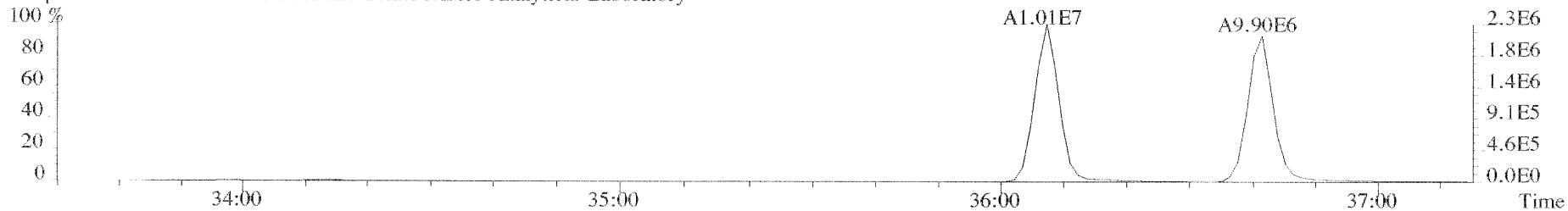
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



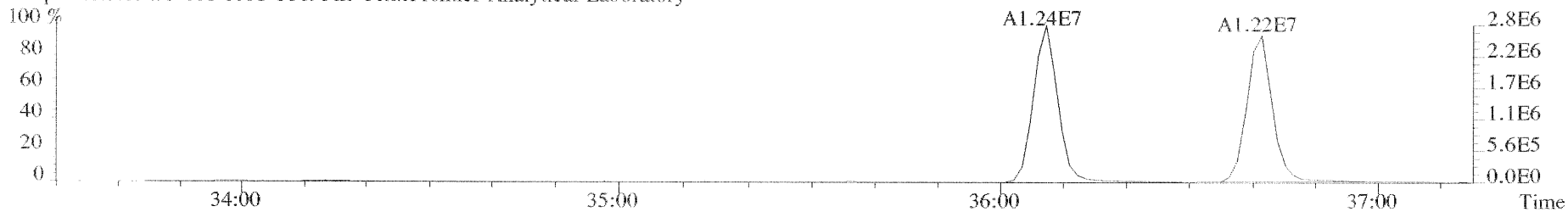
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



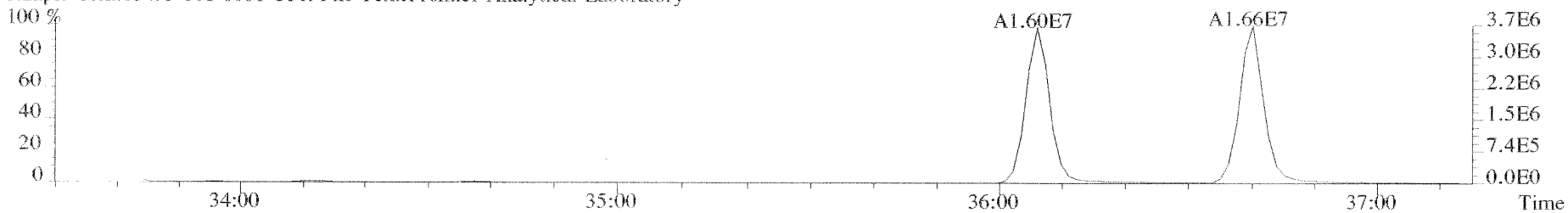
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



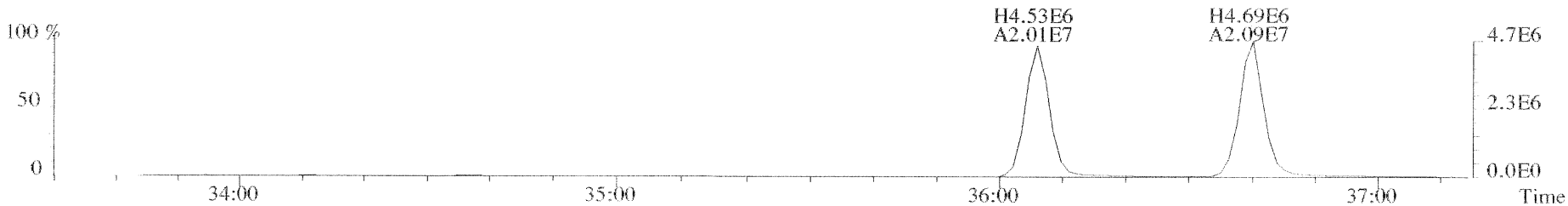
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



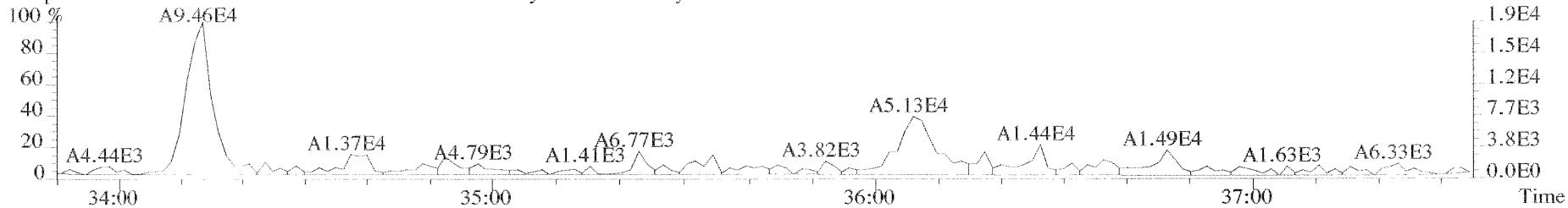
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



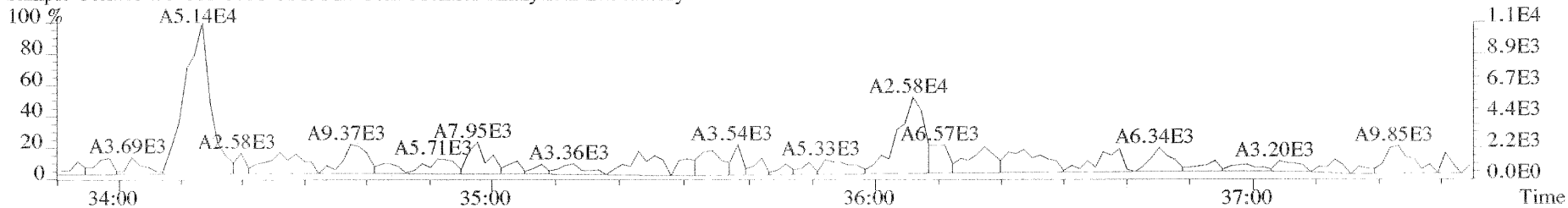
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



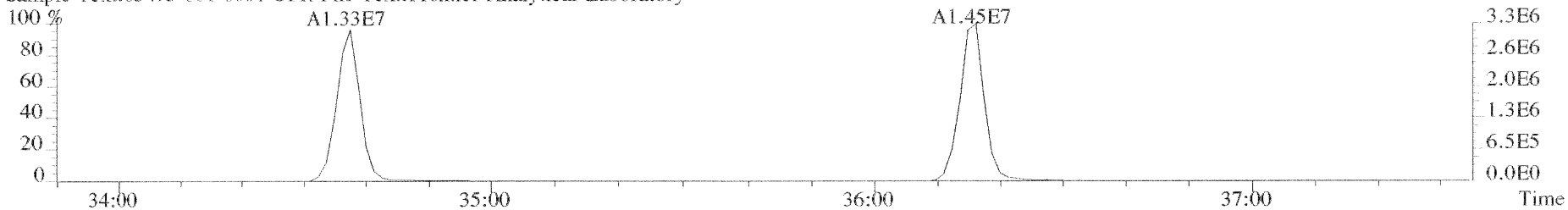
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



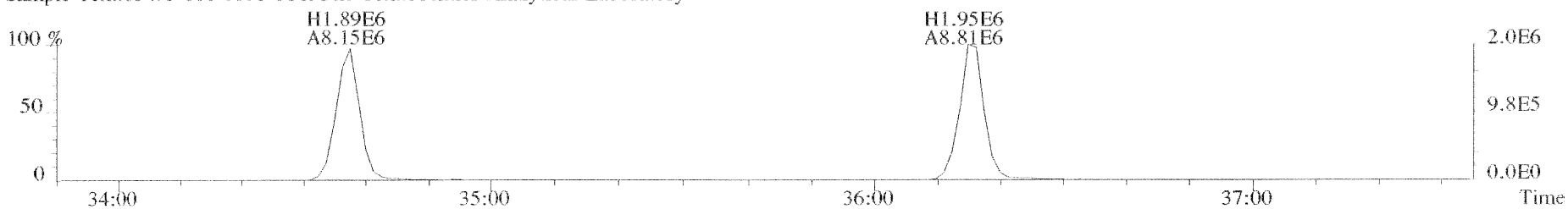
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



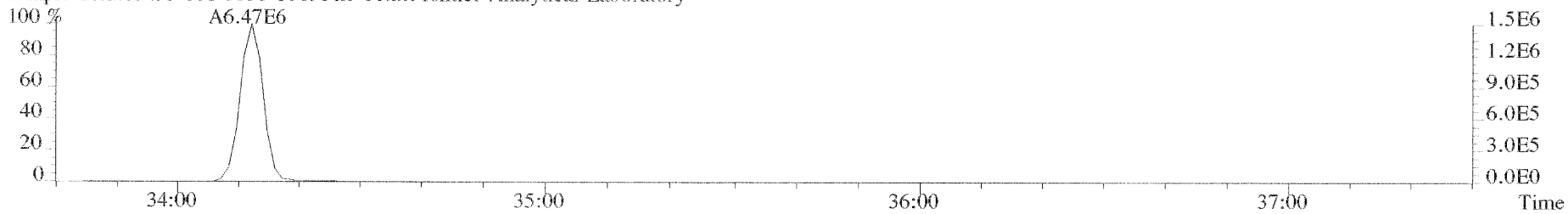
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



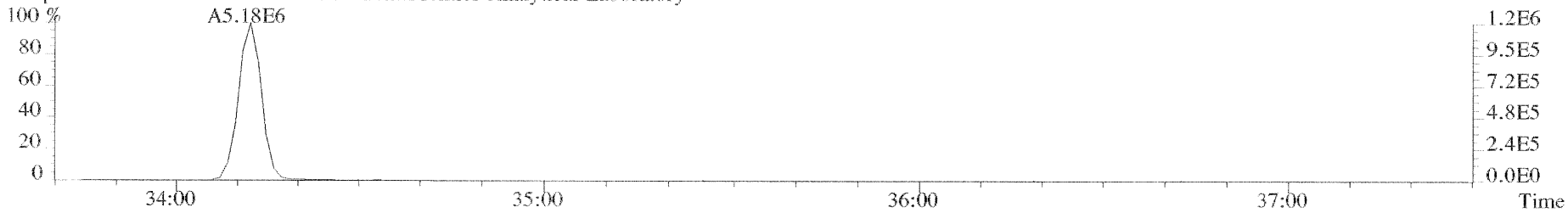
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



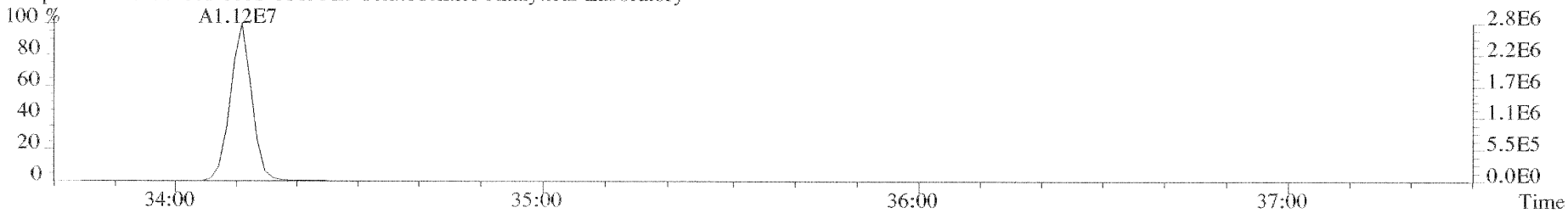
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



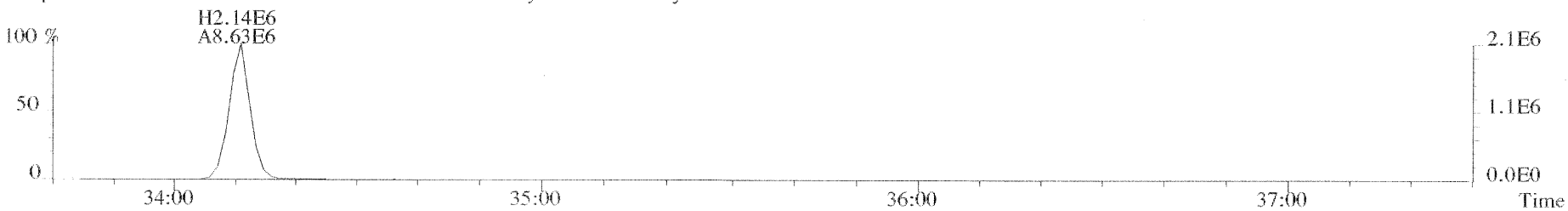
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



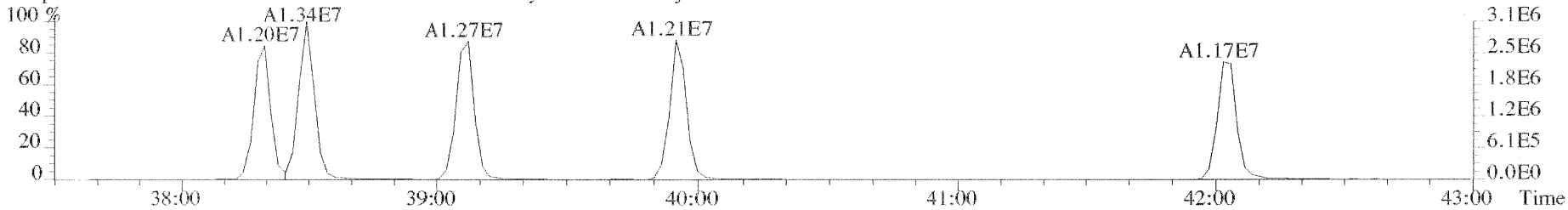
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



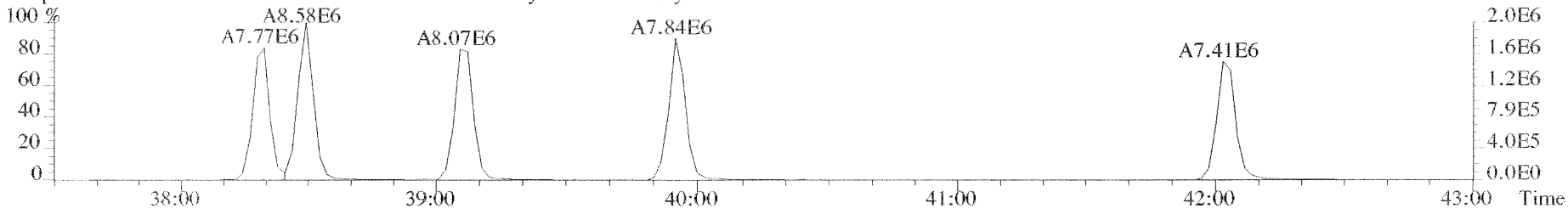
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



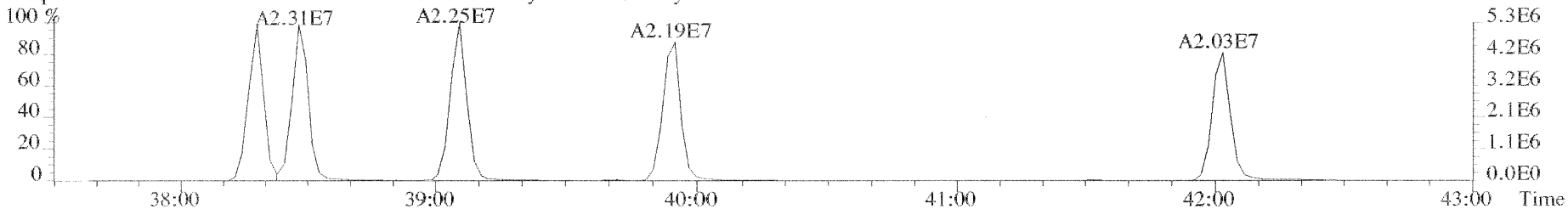
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



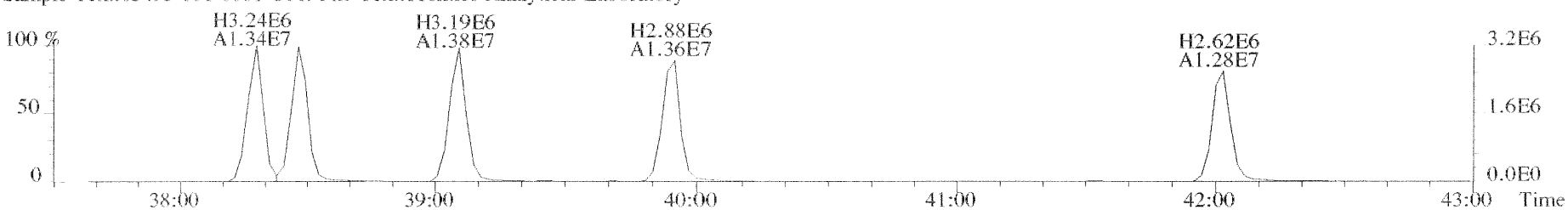
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



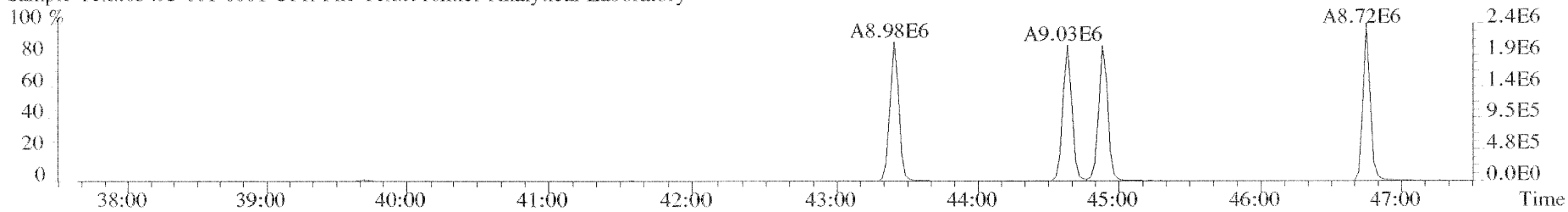
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



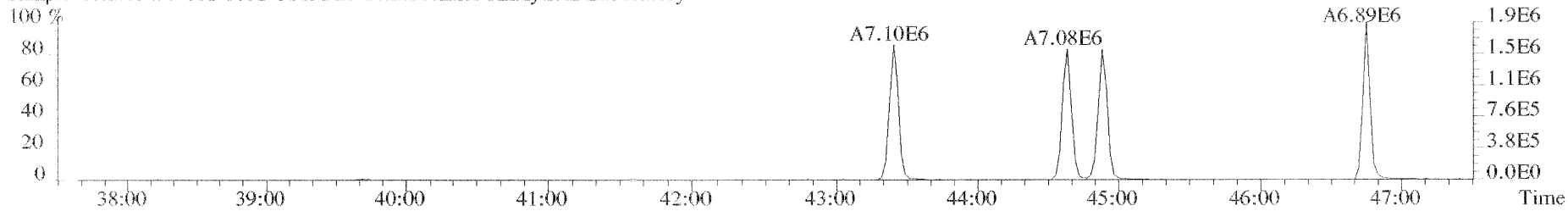
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



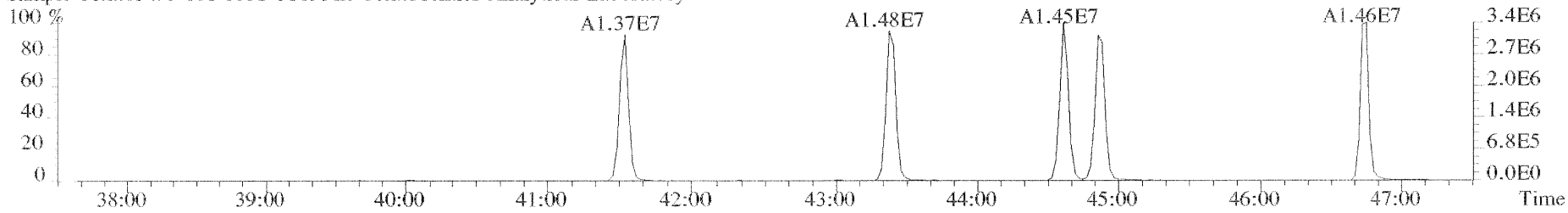
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



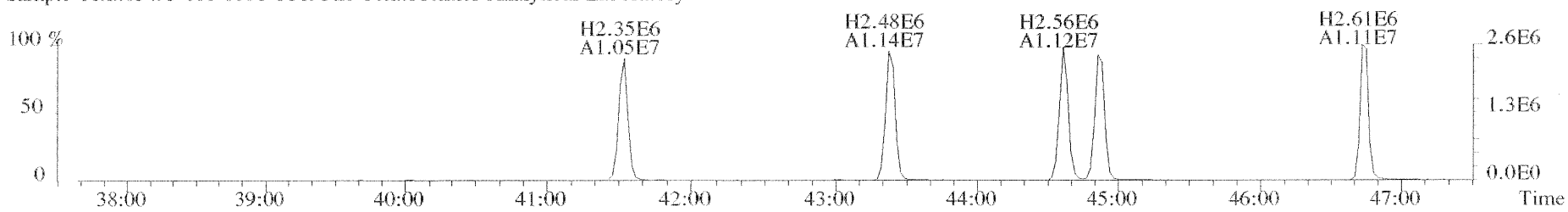
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



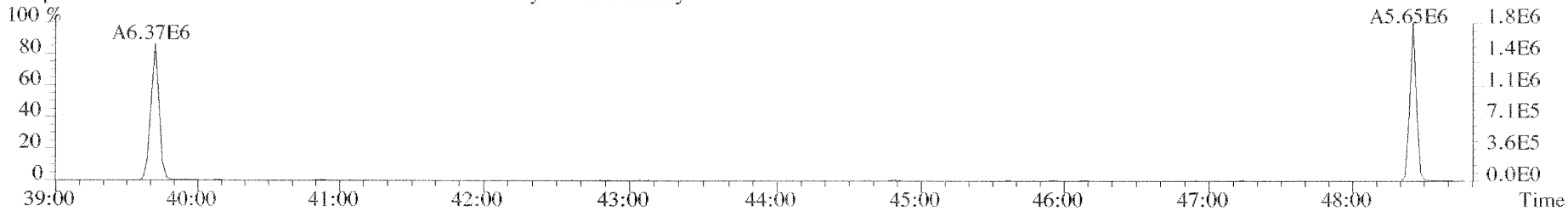
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



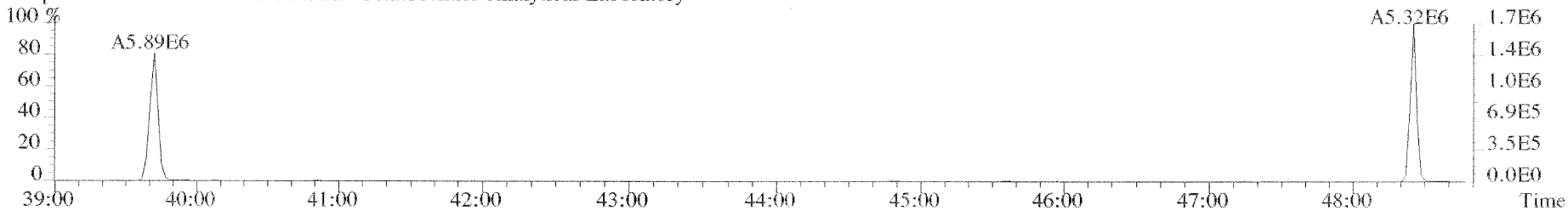
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



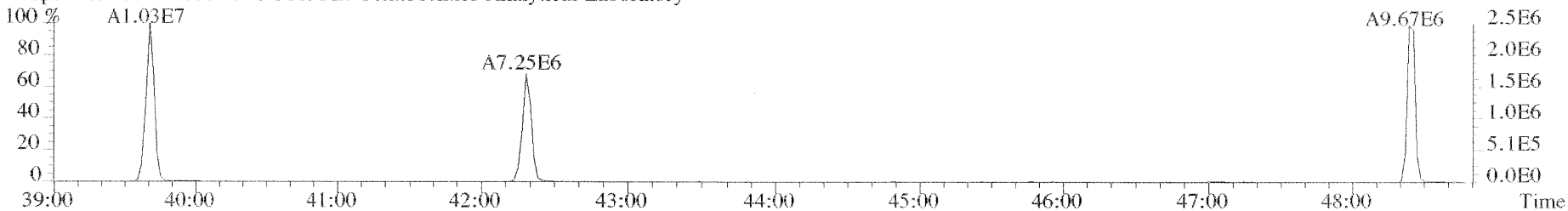
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



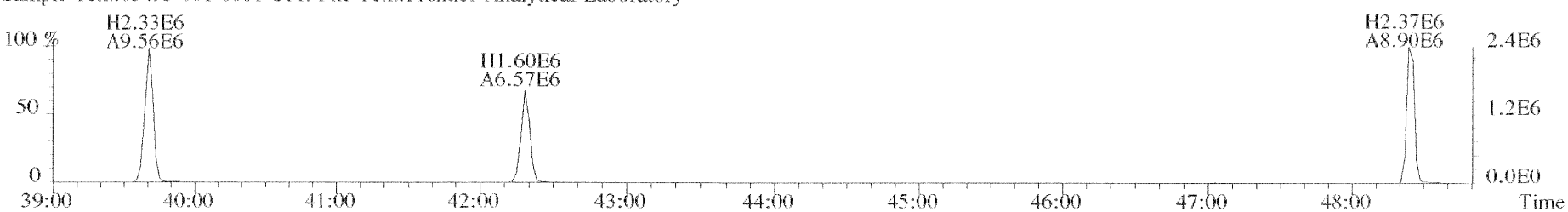
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



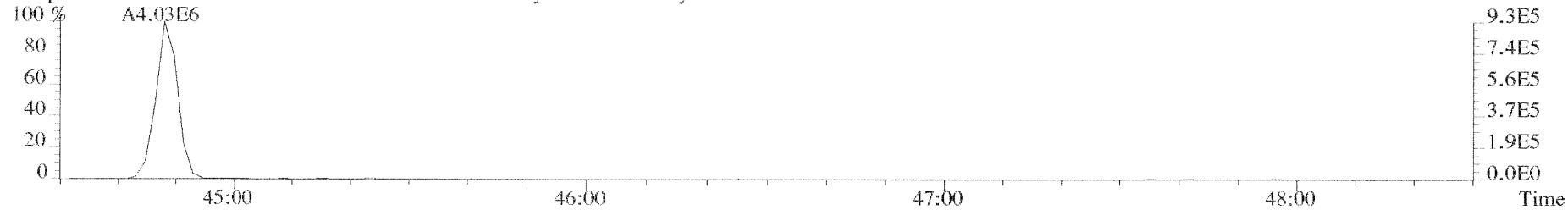
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



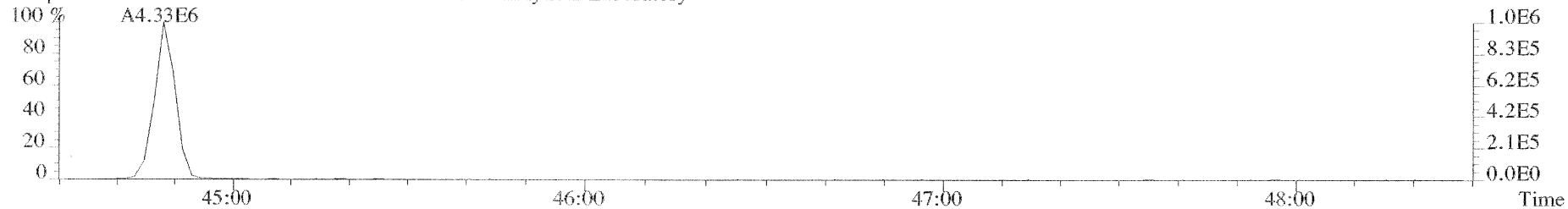
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



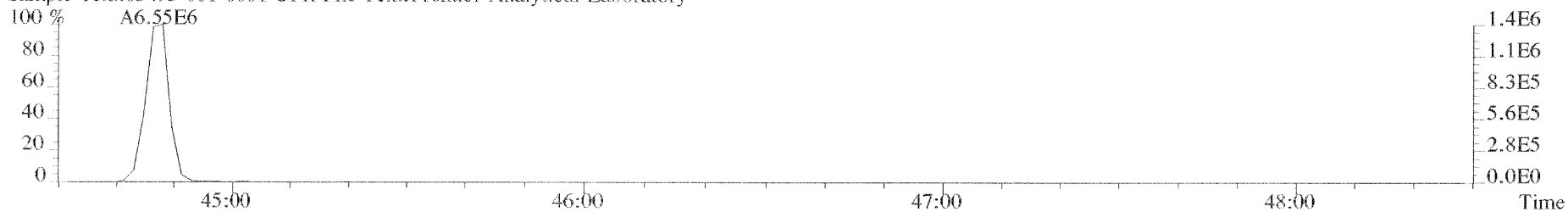
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



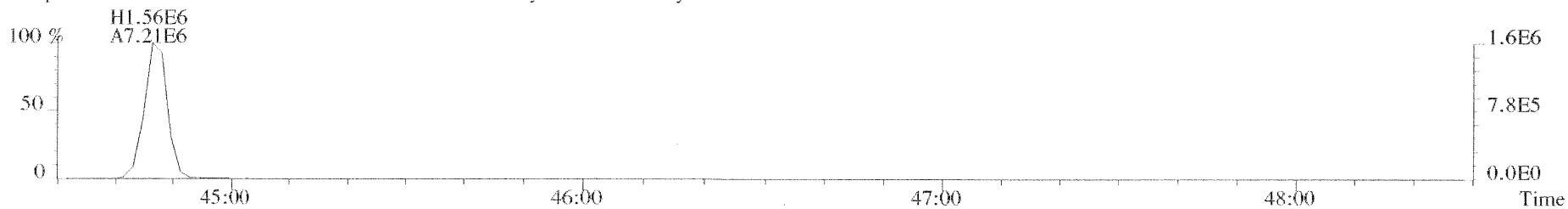
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



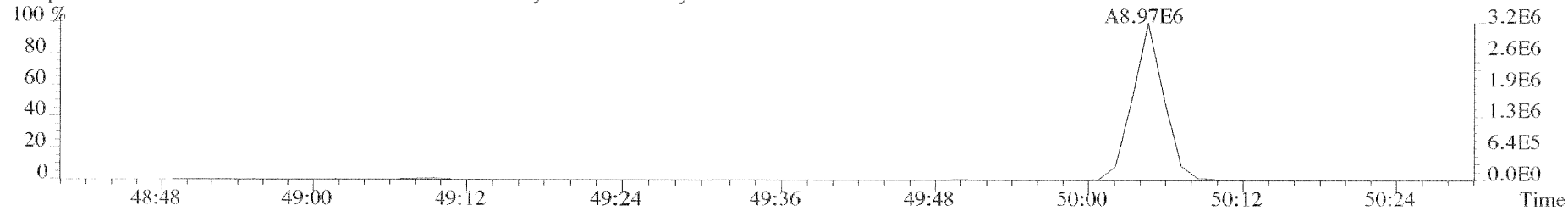
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



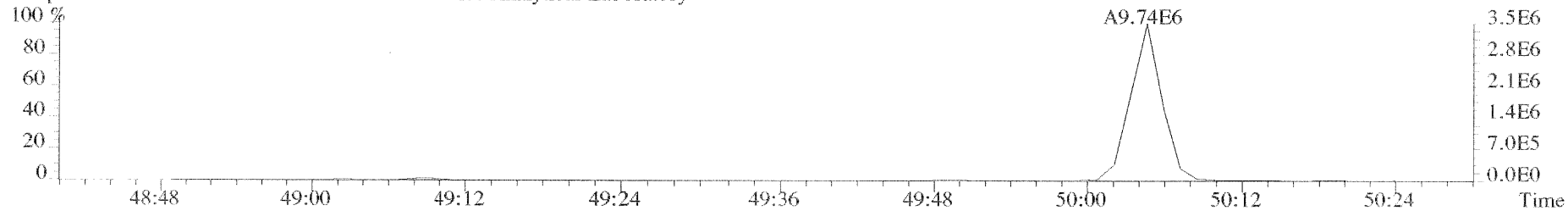
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



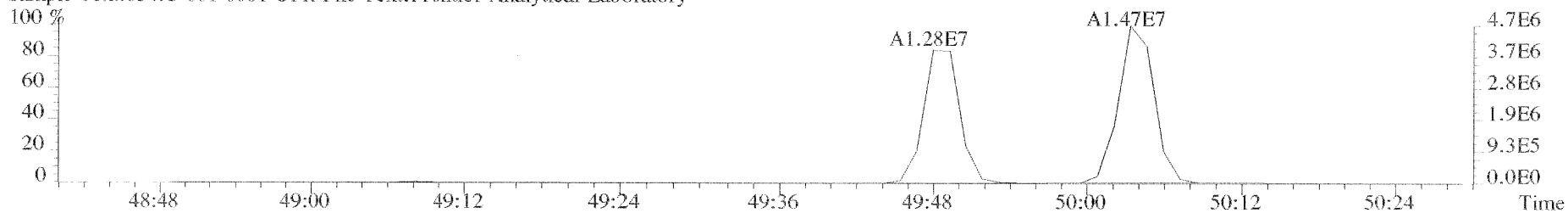
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



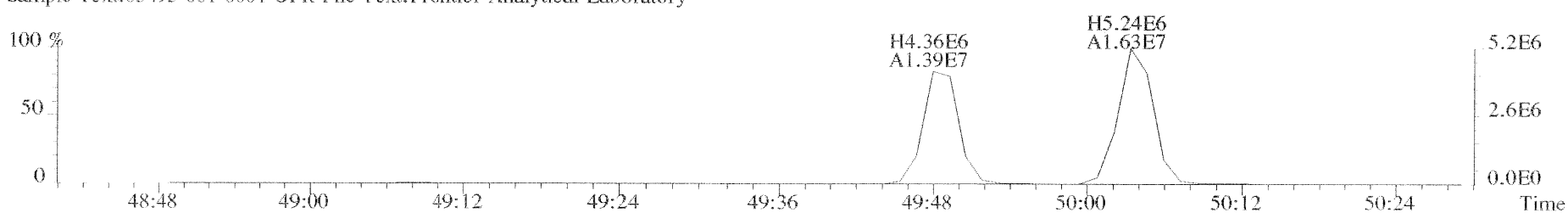
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



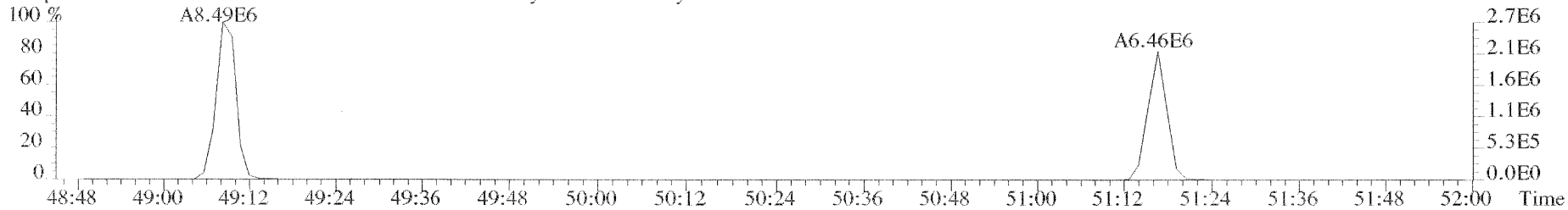
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



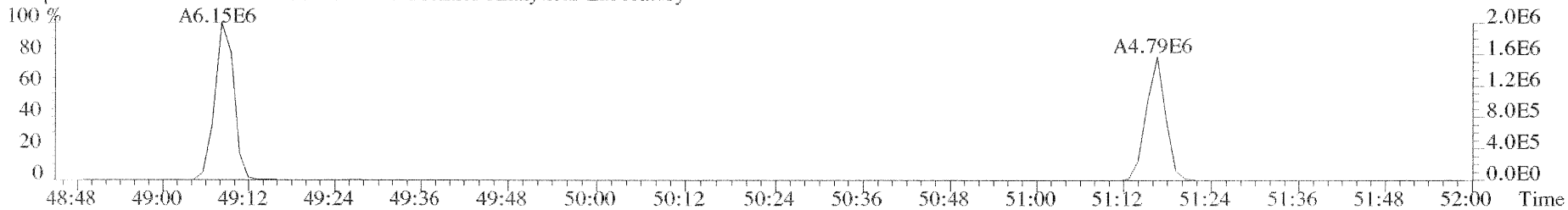
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



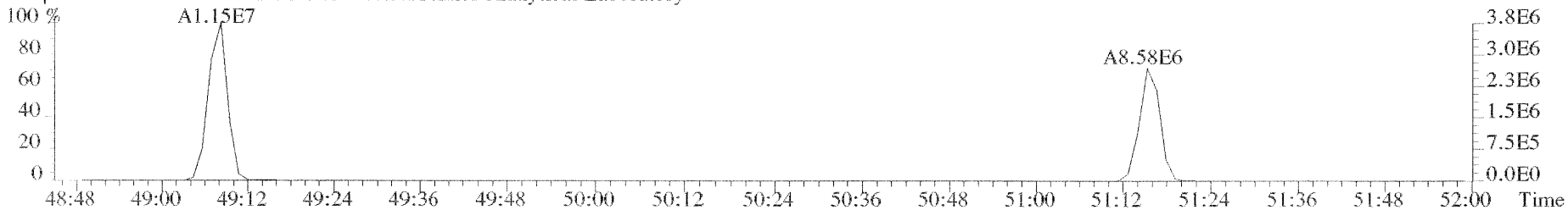
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



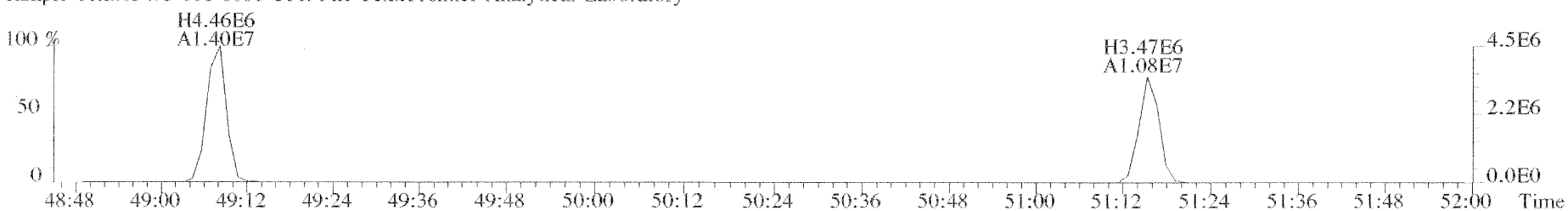
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



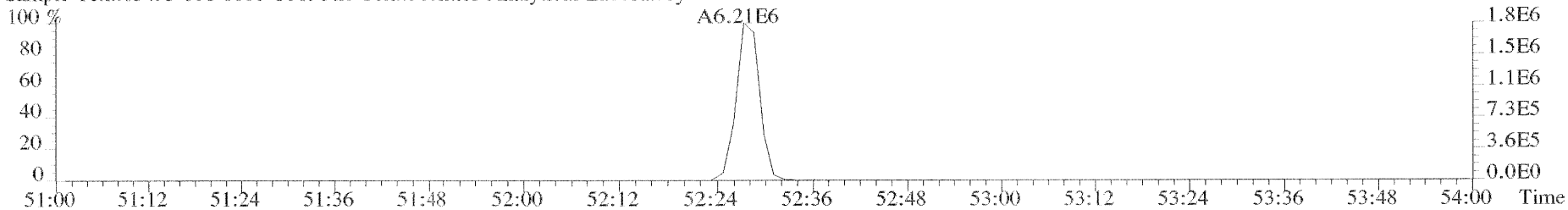
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



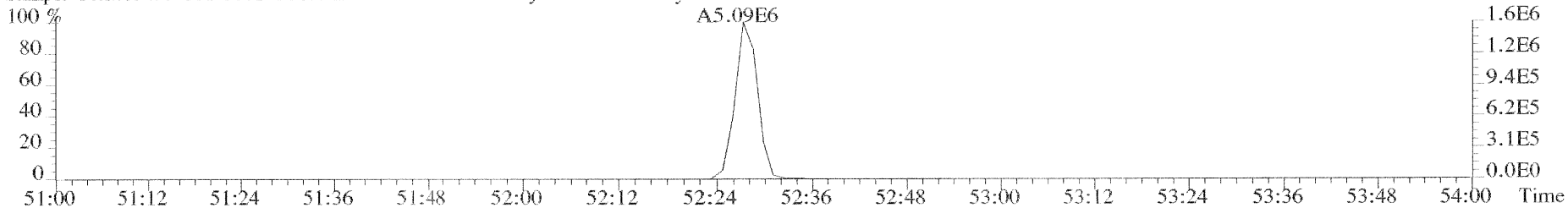
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



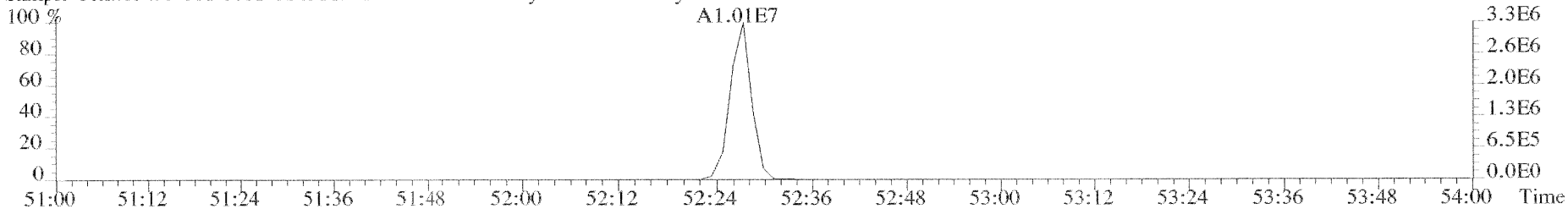
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



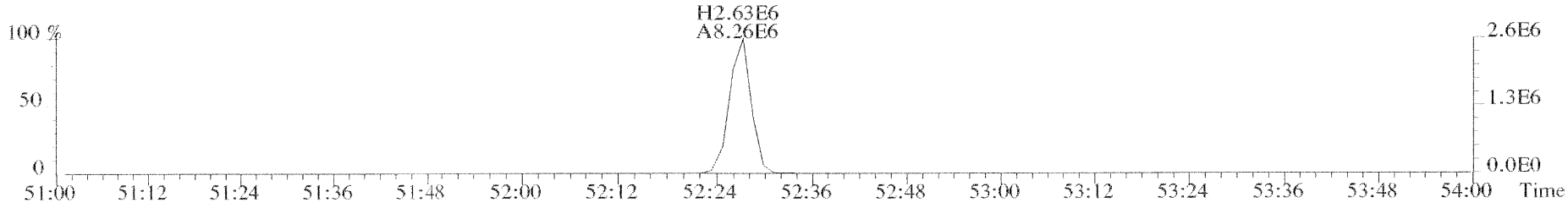
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 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:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 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:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13237-001-0001-SA Filename: 27OCT20Z Sam:7 Acquired: 27-OCT-20 12:30:15 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR-CA-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.13

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.95e+05	2.99 y	14:33	1.37	4.16		-	-	*			
13C-PCB-1	3.40e+07	3.32 y	14:32	0.75	808					81.8	9.02e+06	2.78e+06
PCB-2	2.87e+04	3.37 y	16:45	1.38	0.607	J	-	-	*			
PCB-3	1.46e+05	3.49 y	16:58	1.35	3.16		-	-	*			
13C-PCB-3	3.36e+07	3.33 y	16:58	0.74	807					81.7	7.87e+06	2.32e+06
PCB-4	3.61e+05	1.56 y	18:13	1.14	9.94		-	-	*			
PCB-10	*	* n	NotFnd	1.41	*		610	4230	0.722			
13C-PCB-4	3.16e+07	1.60 y	18:12	0.64	878					88.9	6.13e+06	3.78e+06
PCB-9	1.12e+05	1.48 y	19:55	1.43	1.87	J	-	-	*			
PCB-7	9.98e+04	1.48 y	19:56	1.37	1.73	J	-	-	*			
PCB-6	5.52e+05	1.58 y	20:31	1.39	9.50		-	-	*			
PCB-8	1.84e+06	1.49 y	20:53	1.40	31.4		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		610	4230	0.703			
PCB-14	*	* n	NotFnd	1.46	*		610	4230	0.701			
PCB-11	1.42e+05	1.49 y	23:03	1.39	2.43		-	-	*			
PCB-13	1.28e+05	1.43 y	23:24	1.42	2.15		-	-	*			
PCB-12	1.14e+05	1.55 y	23:26	1.43	1.91	J	-	-	*			
PCB-15	1.08e+06	1.57 y	23:44	1.23	16.8		-	-	*			
13C-PCB-15	5.12e+07	1.62 y	23:43	1.07	853					86.4	8.28e+06	4.96e+06
PCB-19	1.14e+05	1.19 y	22:06	1.35	4.71		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		2250	648	0.719			
PCB-18	1.34e+06	1.13 y	23:38	1.44	51.8		-	-	*			
PCB-17	6.92e+05	1.10 y	23:49	1.51	25.3		-	-	*			
PCB-27	7.49e+04	1.16 y	24:19	1.99	2.08		-	-	*			
PCB-24	8.78e+04	1.18 y	24:20	1.96	2.48		-	-	*			
PCB-16	5.48e+05	1.02 y	24:50	1.60	19.0		-	-	*			
PCB-32	4.40e+05	1.18 y	24:51	1.78	13.7		-	-	*			
13C-PCB-19	1.78e+07	1.10 y	22:05	0.39	820					83.0	2.56e+06	2.28e+06
13C-PCB-9	5.53e+07	1.60 y	19:52	-	9.36							
PCB-34	*	* n	NotFnd	1.14	*		1240	1040	0.435			
PCB-23	*	* n	NotFnd	1.29	*		1240	1040	0.384			
PCB-29	*	* n	NotFnd	1.28	*		1240	1040	0.387			
PCB-26	9.66e+05	1.07 y	26:07	1.26	16.9		-	-	*			
PCB-25	6.29e+05	1.13 y	26:15	1.19	11.7		-	-	*			
PCB-31	3.64e+06	1.05 y	26:36	1.33	60.4		-	-	*			
PCB-28	4.72e+06	1.11 y	26:42	1.36	76.6		-	-	*			
PCB-20	2.38e+06	1.11 y	27:17	1.20	43.9		-	-	*		Co-elute PCB 21/33	
PCB-21	2.38e+06	1.11 y	27:17	1.20	43.9		-	-	*		Co-elute PCB 20/33	
PCB-33	2.38e+06	1.11 y	27:17	1.20	43.9		-	-	*		Co-elute PCB 20/21	
PCB-22	1.40e+06	1.07 y	27:41	1.29	24.0		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1240	1040	0.392			
PCB-39	*	* n	NotFnd	1.28	*		1240	1040	0.387			
PCB-38	*	* n	NotFnd	1.34	*		1240	1040	0.370			
PCB-35	*	* n	NotFnd	1.23	*		1240	1040	0.402			
PCB-37	1.25e+06	1.19 y	30:26	1.25	22.0		-	-	*			
13C-PCB-37	4.46e+07	1.07 y	30:25	1.93	945					95.7	5.86e+06	5.47e+06

PCB-54	*	*	n	NotFnd	1.33	*		1050	1230	0.581			
PCB-50	*	*	n	NotFnd	1.10	*		1050	1230	0.700			
PCB-53	3.46e+05	0.80	y	27:20	1.08	12.0		-	-	*			
PCB-51	1.14e+05	0.82	y	27:40	1.11	3.86		-	-	*			
PCB-45	2.63e+05	0.77	y	28:04	0.96	10.2		-	-	*			
PCB-46	1.15e+05	0.80	y	28:32	0.92	4.68		-	-	*			
PCB-52	3.64e+06	0.77	y	28:59	1.11	122		-	-	*	Co-elute PCB 69		
PCB-69	3.64e+06	0.77	y	28:59	1.11	122		-	-	*	Co-elute PCB 52		
PCB-73	5.58e+04	0.84	y	29:05	1.45	1.44	J	-	-	*			
PCB-43	2.76e+06	0.81	y	29:16	1.05	98.6		-	-	*	Co-elute PCB 49		
PCB-49	2.76e+06	0.81	y	29:16	1.05	98.6		-	-	*	Co-elute PCB 43		
PCB-47	9.76e+05	0.85	y	29:29	1.09	33.7		-	-	*			
PCB-48	5.75e+05	0.66	y	29:35	1.31	16.4		-	-	*	Co-elute PCB 75		
PCB-75	5.75e+05	0.66	y	29:35	1.31	16.4		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		1050	1230	0.574			
PCB-62	*	*	n	NotFnd	1.35	*		1050	1230	0.574			
PCB-44	1.91e+06	0.78	y	30:16	0.91	78.2		-	-	*			
PCB-42	9.21e+05	0.75	y	30:28	1.13	30.5		-	-	*	Co-elute PCB 59		
PCB-59	9.21e+05	0.75	y	30:28	1.13	30.5		-	-	*	Co-elute PCB 42		
PCB-72	2.36e+06	0.80	y	31:00	1.27	69.5		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.36e+06	0.80	y	31:00	1.27	69.5		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.36e+06	0.80	y	31:00	1.27	69.5		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.36e+06	0.80	y	31:00	1.27	69.5		-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.81e+04	0.87	y	31:14	1.48	2.49		-	-	*			
PCB-40	2.91e+05	0.76	y	31:25	0.82	13.3		-	-	*			
PCB-57	4.24e+04	0.80	y	31:47	1.40	1.13	J	-	-	*			
PCB-67	1.45e+05	0.72	y	32:03	1.44	3.75		-	-	*			
PCB-58	3.79e+04	0.83	y	32:09	1.35	1.05	J	-	-	*			
PCB-63	1.72e+05	0.86	y	32:18	1.41	4.54		-	-	*			
PCB-74	1.57e+06	0.80	y	32:35	1.44	40.9		-	-	*			
PCB-61	3.65e+06	0.80	y	32:47	1.29	106		-	-	*	Co-elute PCB 70		
PCB-70	3.65e+06	0.80	y	32:47	1.29	106		-	-	*	Co-elute PCB 61		
PCB-76	3.50e+06	0.78	y	32:59	1.45	90.1		-	-	*	Co-elute PCB 66		
PCB-66	3.50e+06	0.78	y	32:59	1.45	90.1		-	-	*	Co-elute PCB 76		
PCB-80	4.33e+04	0.73	y	33:13	1.63	0.995	J	-	-	*			
PCB-55	9.71e+04	0.72	y	33:29	1.44	2.53		-	-	*			
13C-PCB-54	2.64e+07	0.82	y	25:36	1.12	963					97.5	3.26e+06	4.02e+06
PCB-104	*	*	n	NotFnd	1.23	*		364	488	0.502			
PCB-96	2.52e+04	1.68	y	31:16	1.21	1.29	J	-	-	*			
PCB-103	6.86e+04	1.65	y	31:45	1.03	4.09		-	-	*			
PCB-100	2.63e+04	1.46	y	32:06	1.04	1.56	J	-	-	*			
PCB-94	*	*	n	NotFnd	0.87	*		364	488	0.715			
PCB-98	*	*	n	NotFnd	0.86	*		364	488	0.723	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		364	488	0.723	Co-elute PCB 98		
PCB-95	2.12e+06	1.63	y	33:04	1.01	129		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		364	488	0.723			
PCB-88	3.98e+05	1.62	y	33:27	0.96	25.4		-	-	*	Co-elute PCB 91		
PCB-91	3.98e+05	1.62	y	33:27	0.96	25.4		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*		364	488	0.537			
13C-PCB-104	1.60e+07	1.60	y	30:07	0.70	931					94.3	2.10e+06	1.30e+06
13C-PCB-28	4.66e+07	1.07	y	26:41	2.24	852					86.3	6.11e+06	5.86e+06
13C-PCB-52	2.41e+07	0.80	y	28:57	-	8.74							

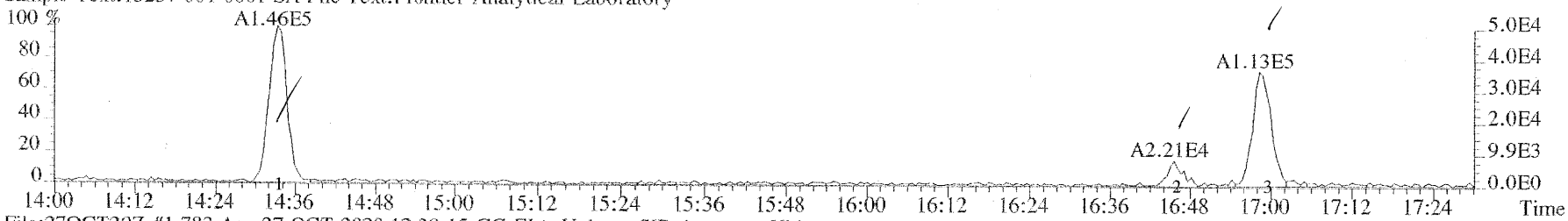
PCB-56	2.11e+06	0.79	y	33:57	1.24	52.2		-	-	*		Co-elute PCB 60
PCB-60	2.11e+06	0.79	y	33:57	1.24	52.2		-	-	*		Co-elute PCB 56
PCB-79	1.31e+05	0.66	y	34:59	1.31	3.06		-	-	*		
PCB-78	*	*	n	NotFnd	1.31	*		1210	1410	0.675		
PCB-81	1.23e+05	0.85	y	36:09	1.37	2.78		-	-	*		
13C-PCB-81	3.18e+07	0.81	y	36:07	1.87	845					85.6	3.48e+06 4.17e+06
PCB-77	3.64e+05	0.76	y	36:42	1.25	8.78		-	-	*		
13C-PCB-77	3.28e+07	0.83	y	36:41	1.90	855					86.6	3.14e+06 3.84e+06
PCB-155	*	*	n	NotFnd	1.14	*		548	516	0.529		
PCB-150	*	*	n	NotFnd	1.15	*		548	516	0.528		
PCB-152	*	*	n	NotFnd	1.12	*		548	516	0.542		
PCB-145	*	*	n	NotFnd	1.10	*		548	516	0.551		
PCB-136	5.27e+05	1.31	y	36:36	1.05	29.2		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		548	516	0.659		
PCB-154	8.03e+04	1.31	y	37:09	1.01	4.60		-	-	*		
13C-PCB-155	1.70e+07	1.31	y	34:12	0.94	892					90.4	2.47e+06 1.87e+06
13C-PCB-111	2.09e+07	1.65	y	36:16	1.27	818					82.9	3.18e+06 1.96e+06
13C-PCB-101	1.99e+07	1.66	y	34:37	-	8.60						
PCB-84	1.74e+06	1.59	y	34:18	0.61	87.7		-	-	*		Co-elute PCB 92
PCB-92	1.74e+06	1.59	y	34:18	0.61	87.7		-	-	*		Co-elute PCB 84
PCB-89	4.31e+04	1.60	y	34:28	0.59	2.23		-	-	*		
PCB-90	4.48e+06	1.53	y	34:40	0.69	198		-	-	*		Co-elute PCB 101
PCB-101	4.48e+06	1.53	y	34:40	0.69	198		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*		1230	860	0.868		
PCB-99	2.39e+06	1.60	y	34:59	0.74	98.9		-	-	*		
PCB-119	2.68e+05	1.47	y	35:24	0.91	9.00		-	-	*		
PCB-83	2.39e+05	1.52	y	35:34	0.72	10.2		-	-	*		Co-elute PCB 112
PCB-112	2.39e+05	1.52	y	35:34	0.72	10.2		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*		1230	860	0.840		
PCB-97	1.16e+06	1.54	y	35:53	0.60	59.0		-	-	*		
PCB-86	*	*	n	NotFnd	0.57	*		1230	860	1.25		
PCB-125	1.27e+06	1.65	y	36:09	0.81	47.6		-	-	*		Co-elute PCB 87/117
PCB-87	1.27e+06	1.65	y	36:09	0.81	47.6		-	-	*		Co-elute PCB 125/117
PCB-117	1.27e+06	1.65	y	36:09	0.81	47.6		-	-	*		Co-elute PCB 125/87
PCB-111	9.82e+04	1.44	y	36:18	0.89	3.39		-	-	*		Co-elute PCB 115
PCB-115	9.82e+04	1.44	y	36:18	0.89	3.39		-	-	*		Co-elute PCB 111
PCB-85	5.45e+05	1.44	y	36:25	0.77	21.7		-	-	*		Co-elute PCB 116
PCB-116	5.45e+05	1.44	y	36:25	0.77	21.7		-	-	*		Co-elute PCB 85
PCB-120	4.81e+04	1.47	y	36:38	0.94	1.57	J	-	-	*		
PCB-110	5.23e+06	1.53	y	36:47	0.89	180		-	-	*		
PCB-82	3.11e+05	1.45	y	37:23	0.56	17.0		-	-	*		
PCB-124	2.05e+05	1.48	y	38:03	1.25	5.03		-	-	*		
PCB-108	5.45e+05	1.47	y	38:11	1.18	14.1		-	-	*		Co-elute PCB 107
PCB-107	5.45e+05	1.47	y	38:11	1.18	14.1		-	-	*		Co-elute PCB 108
PCB-123	8.48e+04	1.66	y	38:19	1.08	2.47		-	-	*		
13C-PCB-123	3.15e+07	1.60	y	38:19	1.54	949					96.1	4.30e+06 2.63e+06
PCB-118	5.72e+06	1.55	y	38:31	1.17	145		-	-	*		Co-elute PCB 106
PCB-106	5.72e+06	1.55	y	38:31	1.17	145		-	-	*		Co-elute PCB 118
13C-PCB-118	3.34e+07	1.64	y	38:29	1.60	964					97.6	4.85e+06 2.95e+06
PCB-114	1.14e+05	1.63	y	39:07	1.19	2.95		-	-	*		
13C-PCB-114	3.22e+07	1.60	y	39:05	1.57	945					95.8	4.25e+06 2.67e+06
PCB-122	7.53e+04	1.44	y	39:13	1.23	1.88	J	-	-	*		
PCB-105	1.71e+06	1.57	y	39:56	1.24	42.5		-	-	*		
13C-PCB-105	3.18e+07	1.60	y	39:55	1.52	972					98.4	4.56e+06 2.91e+06

PCB-127	*	*	n	NotFnd	1.16	*	1200	1180	0.694				
PCB-126	*	*	n	NotFnd	1.18	*	1200	1180	0.774				
13C-PCB-126	3.00e+07	1.61	y	42:01	1.57	885				89.6	3.94e+06	2.45e+06	
PCB-151	9.98e+05	1.30	y	37:46	0.98	43.2	-	-	*				
PCB-135	6.03e+05	1.18	y	37:58	0.91	28.0	-	-	*				
PCB-144	1.93e+05	1.35	y	38:04	1.12	7.30	-	-	*				
PCB-147	1.11e+05	1.22	y	38:13	1.01	4.64	-	-	*				
PCB-139	3.86e+06	1.25	y	38:26	1.05	156	-	-	*		Co-elute PCB 149		
PCB-149	3.86e+06	1.25	y	38:26	1.05	156	-	-	*		Co-elute PCB 139		
PCB-140	9.05e+04	1.12	y	38:37	1.04	3.68	-	-	*				
PCB-143	2.31e+05	1.13	y	39:04	0.89	11.0	-	-	*		Co-elute PCB 134		
PCB-134	2.31e+05	1.13	y	39:04	0.89	11.0	-	-	*		Co-elute PCB 143		
PCB-131	1.57e+05	1.25	y	39:18	0.89	7.45	-	-	*		Co-elute PCB 133		
PCB-133	1.57e+05	1.25	y	39:18	0.89	7.45	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.87	*	920	860	0.870				
PCB-165	9.03e+05	1.28	y	39:41	1.16	33.0	-	-	*		Co-elute PCB 146		
PCB-146	9.03e+05	1.28	y	39:41	1.16	33.0	-	-	*		Co-elute PCB 165		
PCB-161	1.43e+06	1.24	y	39:56	1.06	57.1	-	-	*		Co-elute PCB 132		
PCB-132	1.43e+06	1.24	y	39:56	1.06	57.1	-	-	*		Co-elute PCB 161		
PCB-153	4.80e+06	1.28	y	40:03	1.23	165	-	-	*				
PCB-168	*	*	n	NotFnd	1.26	*	920	860	0.602				
PCB-141	7.03e+05	1.33	y	40:46	1.00	29.8	-	-	*				
PCB-137	1.76e+05	1.32	y	41:07	0.98	7.62	-	-	*				
PCB-130	2.76e+05	1.29	y	41:14	0.94	12.4	-	-	*				
PCB-138	4.93e+06	1.25	y	41:35	1.16	180	-	-	*		Co-elute PCB 163/164		
PCB-163	4.93e+06	1.25	y	41:35	1.16	180	-	-	*		Co-elute PCB 138/164		
PCB-164	4.93e+06	1.25	y	41:35	1.16	180	-	-	*		Co-elute PCB 138/163		
PCB-158	5.68e+05	1.32	y	41:47	1.32	18.2	-	-	*		Co-elute PCB 160		
PCB-160	5.68e+05	1.32	y	41:47	1.32	18.2	-	-	*		Co-elute PCB 158		
PCB-129	1.42e+05	1.19	y	42:01	0.85	7.03	-	-	*				
PCB-166	*	*	n	NotFnd	1.30	*	920	860	0.580				
PCB-159	6.62e+04	1.15	y	42:49	1.33	2.11	-	-	*				
PCB-128	7.03e+05	1.23	y	43:02	1.09	27.2	-	-	*		Co-elute PCB 162		
PCB-162	7.03e+05	1.23	y	43:02	1.09	27.2	-	-	*		Co-elute PCB 128		
PCB-167	1.93e+05	1.18	y	43:25	1.24	6.55	-	-	*				
13C-PCB-167	2.35e+07	1.31	y	43:24	1.14	954				96.6	3.29e+06	2.52e+06	
PCB-156	5.05e+05	1.40	y	44:38	1.30	16.6	-	-	*				
13C-PCB-156	2.31e+07	1.32	y	44:38	1.11	965				97.7	3.13e+06	2.34e+06	
PCB-157	1.06e+05	1.07	y	44:54	1.25	3.57	-	-	*				
13C-PCB-157	2.35e+07	1.28	y	44:53	1.11	978				99.1	3.13e+06	2.38e+06	
PCB-169	*	*	n	NotFnd	1.23	*	920	860	0.547				
13C-PCB-169	2.33e+07	1.29	y	46:44	1.09	988				100	3.64e+06	2.89e+06	

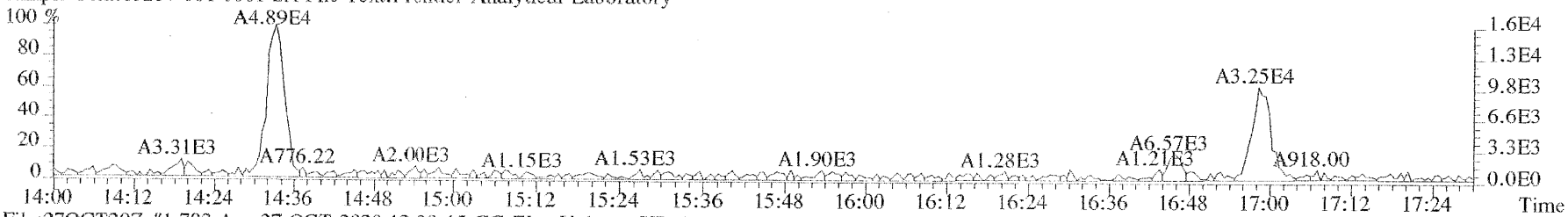
PCB-188	*	*	n	NotFnd	1.23	*		651	612	0.651			
13C-PCB-188	1.59e+07	1.07	y	39:41	0.80	919					93.0	2.01e+06	1.87e+06
PCB-184	*	*	n	NotFnd	1.38	*		651	612	0.510			
PCB-179	4.63e+05	1.13	y	40:52	1.30	22.5		-	-	*			
PCB-176	1.59e+05	1.15	y	41:19	1.30	7.72		-	-	*			
PCB-186	*	*	n	NotFnd	1.28	*		651	612	0.548			
PCB-178	1.76e+05	1.10	y	42:21	0.94	11.8		-	-	*			
PCB-175	4.50e+04	1.13	y	42:39	0.99	2.87		-	-	*			
PCB-187	1.04e+06	1.09	y	42:49	1.07	61.5		-	-	*		Co-elute PCB 182	
PCB-182	1.04e+06	1.09	y	42:49	1.07	61.5		-	-	*		Co-elute PCB 187	
PCB-183	4.89e+05	1.15	y	43:07	1.04	29.7		-	-	*			
PCB-185	9.81e+04	1.10	y	43:45	0.96	6.46		-	-	*			
PCB-174	7.58e+05	1.11	y	44:06	1.01	47.2		-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*		651	612	0.739			
PCB-177	4.63e+05	1.09	y	44:21	0.89	32.7		-	-	*			
PCB-171	2.29e+05	1.17	y	44:38	0.95	15.3		-	-	*			
PCB-173	*	*	n	NotFnd	0.86	*		651	612	0.818			
PCB-172	1.35e+05	1.09	y	45:25	0.89	9.55		-	-	*			
PCB-192	*	*	n	NotFnd	1.18	*		651	612	0.596			
PCB-180	1.67e+06	1.10	y	45:47	0.94	112		-	-	*			
PCB-193	1.39e+05	1.14	y	45:57	1.25	7.00		-	-	*			
PCB-191	4.87e+04	1.13	y	46:10	1.23	2.49		-	-	*			
PCB-170	6.54e+05	1.11	y	47:04	0.89	46.4		-	-	*			
PCB-190	2.03e+05	1.11	y	47:14	1.19	10.8		-	-	*			
PCB-189	4.78e+04	1.09	y	48:25	1.21	2.53		-	-	*			
13C-PCB-189	1.54e+07	1.11	y	48:25	0.73	976					98.9	2.73e+06	2.45e+06
PCB-202	6.18e+04	0.81	y	44:49	1.10	4.84		-	-	*			
PCB-201	5.93e+04	0.76	y	45:16	1.25	4.06		-	-	*			
PCB-204	*	*	n	NotFnd	1.19	*		432	410	0.613			
PCB-197	2.27e+04	0.92	y	45:40	1.20	1.62	J	-	-	*			
PCB-200	5.35e+04	1.00	y	46:25	1.21	3.80		-	-	*			
PCB-198	*	*	n	NotFnd	0.81	*		432	410	0.901			
PCB-199	2.42e+05	0.96	y	47:40	0.93	22.4		-	-	*			
PCB-203	3.06e+05	0.89	y	47:55	0.93	28.3		-	-	*		Co-elute PCB 196	
PCB-196	3.06e+05	0.89	y	47:55	0.93	28.3		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.15e+07	0.91	y	44:48	0.55	967					98.0	1.36e+06	1.49e+06
13C-PCB-178	1.14e+07	1.07	y	42:19	0.62	842					85.3	1.53e+06	1.40e+06
13C-PCB-138	2.13e+07	1.31	y	41:32	-	8.09							
PCB-195	2.43e+05	0.92	y	49:03	0.91	9.27		-	-	*			
PCB-194	6.58e+05	0.93	y	49:50	0.97	23.7		-	-	*			
PCB-205	6.63e+04	0.84	y	50:06	1.17	1.97		-	-	*			
13C-PCB-205	2.83e+07	0.89	y	50:04	1.20	949					96.1	4.74e+06	5.35e+06
PCB-208	5.93e+04	1.15	y	49:09	1.13	2.24		-	-	*			
13C-PCB-208	2.31e+07	0.80	y	49:08	0.98	949					96.1	3.36e+06	4.30e+06
PCB-207	3.74e+04	1.31	y	49:27	1.33	1.39	J	-	-	*			
PCB-206	1.87e+05	1.16	y	51:18	1.19	9.09		-	-	*			
13C-PCB-206	1.70e+07	0.82	y	51:16	0.70	984					99.6	2.61e+06	3.21e+06
PCB-209	7.45e+04	1.23	y	52:28	1.23	3.67		-	-	*			
13C-PCB-209	1.63e+07	1.21	y	52:27	0.70	941					95.3	2.79e+06	2.35e+06
13C-PCB-194	2.45e+07	0.91	y	49:49	-	9.24							

Analyst: [illegible] Date: 11/2/20

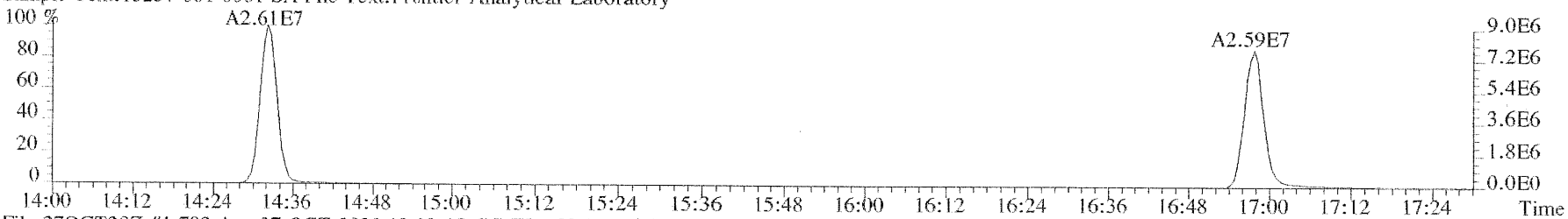
File:27OCT20Z #1-783 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



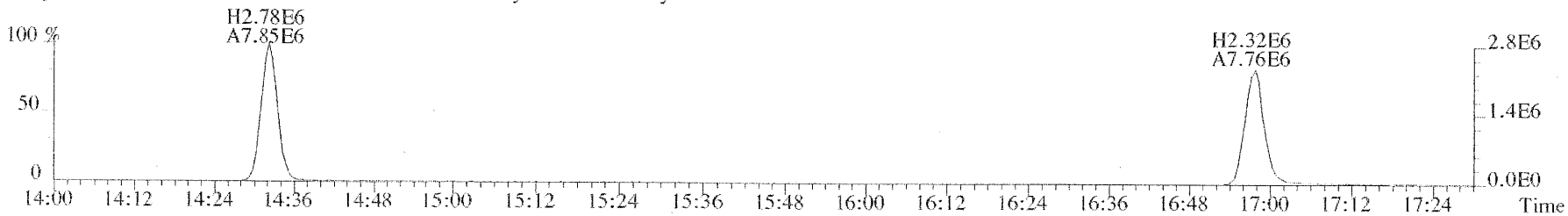
File:27OCT20Z #1-783 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



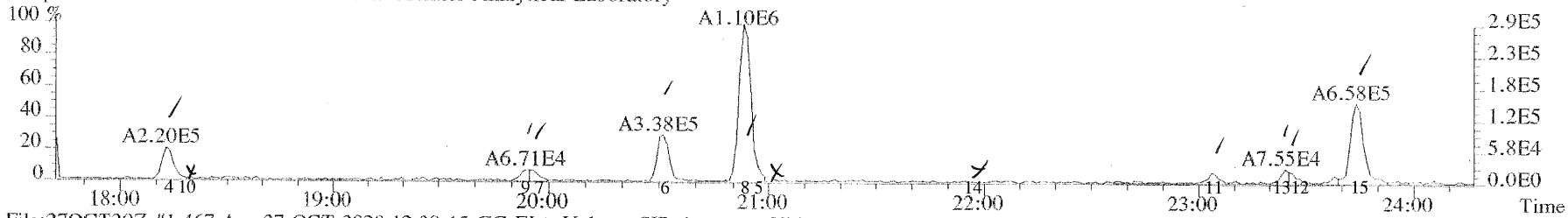
File:27OCT20Z #1-783 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



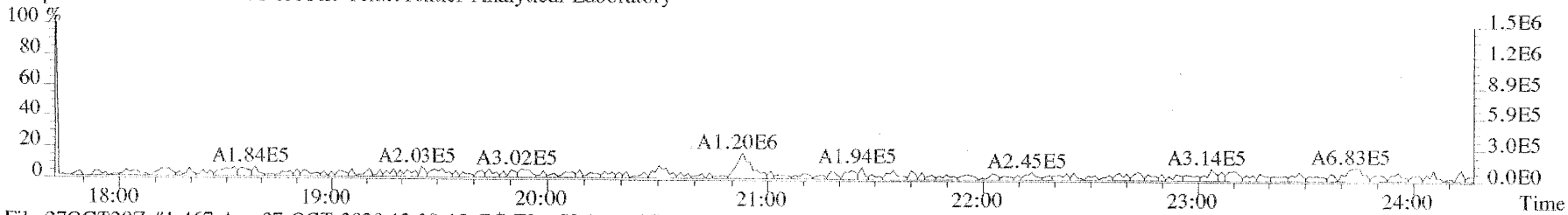
File:27OCT20Z #1-783 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



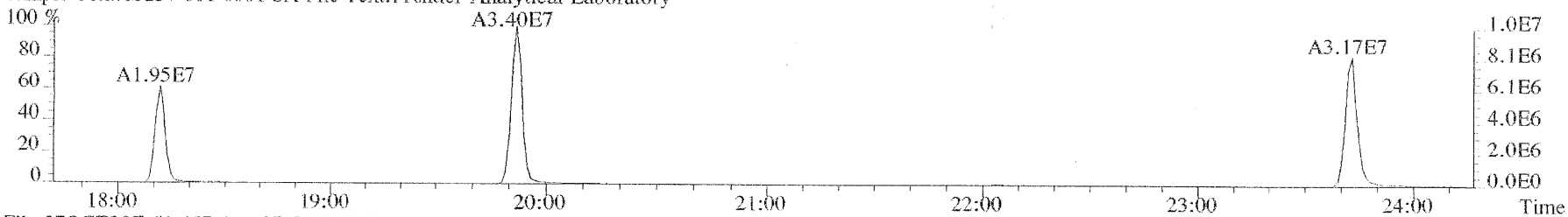
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



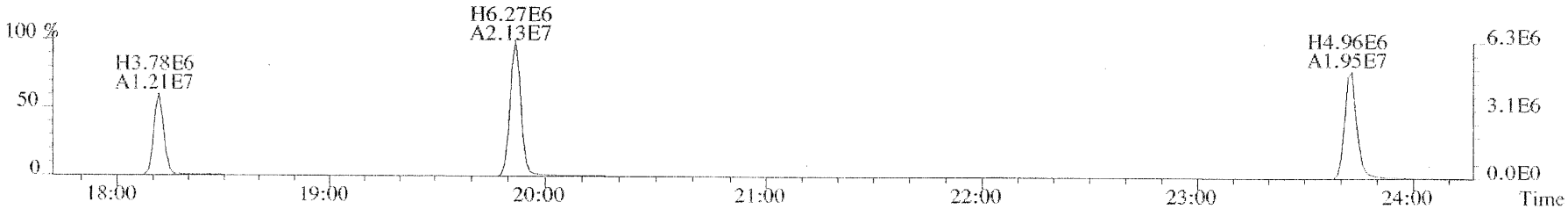
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



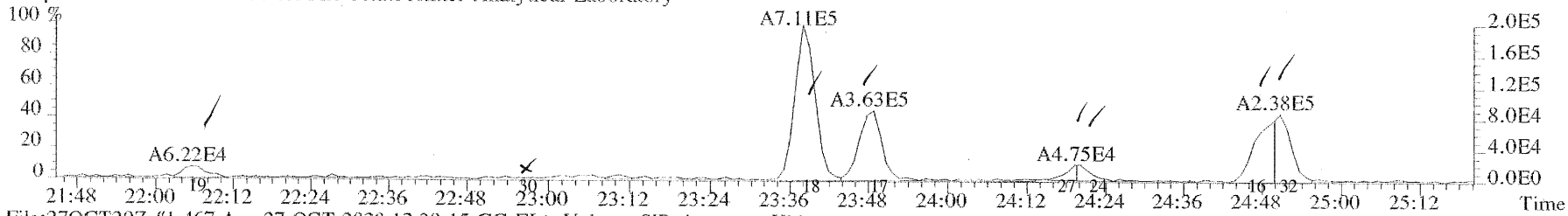
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



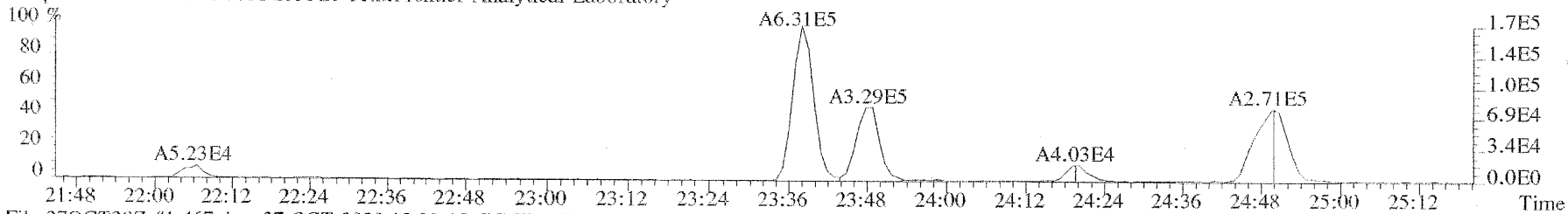
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



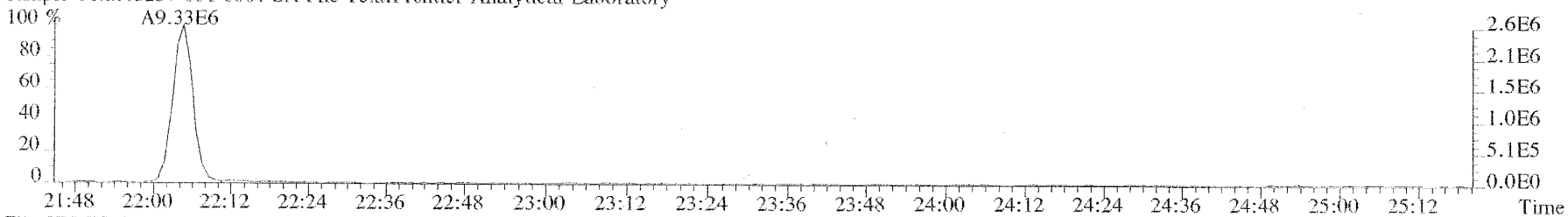
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



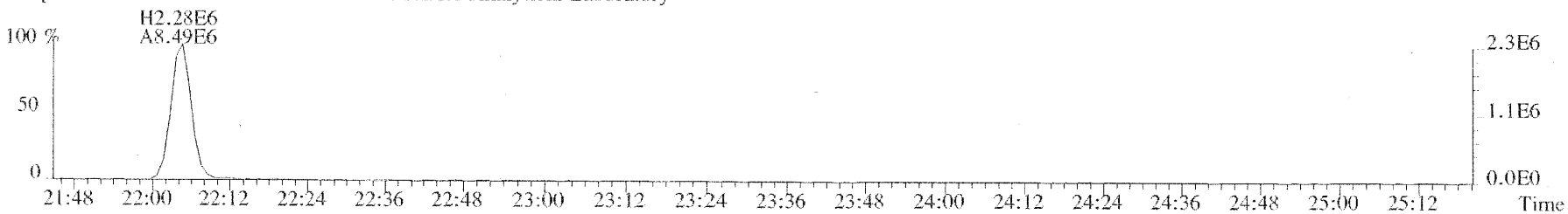
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



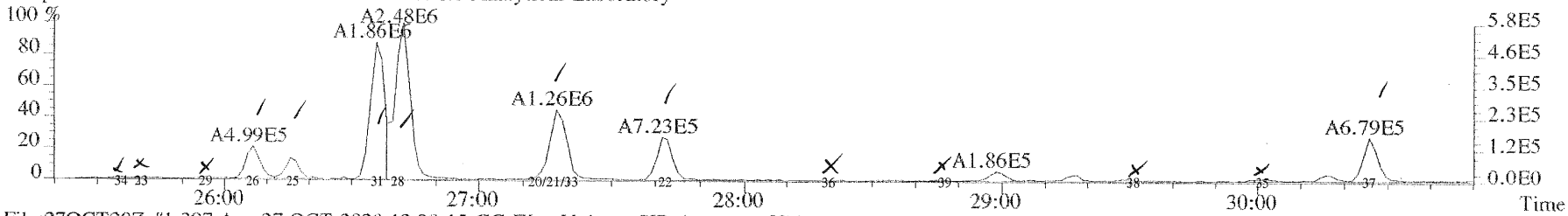
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



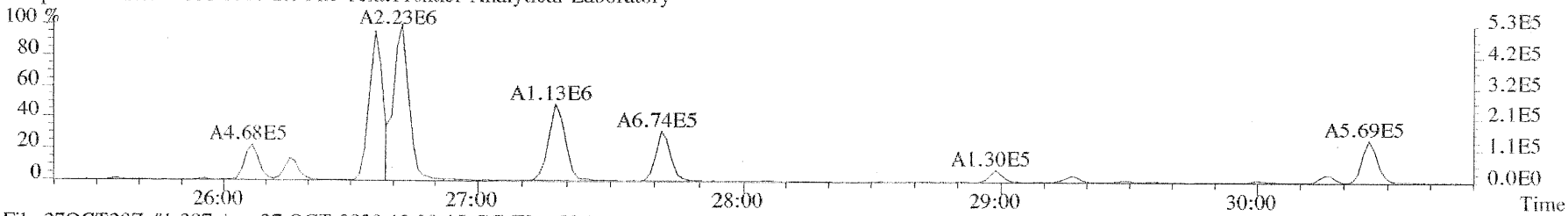
File:27OCT20Z #1-467 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



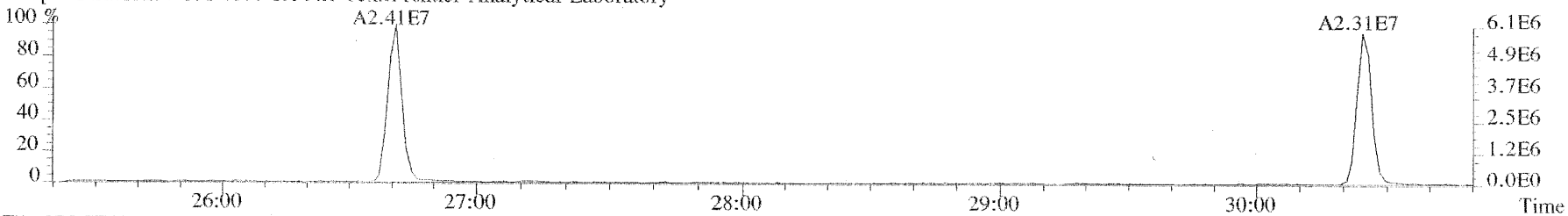
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



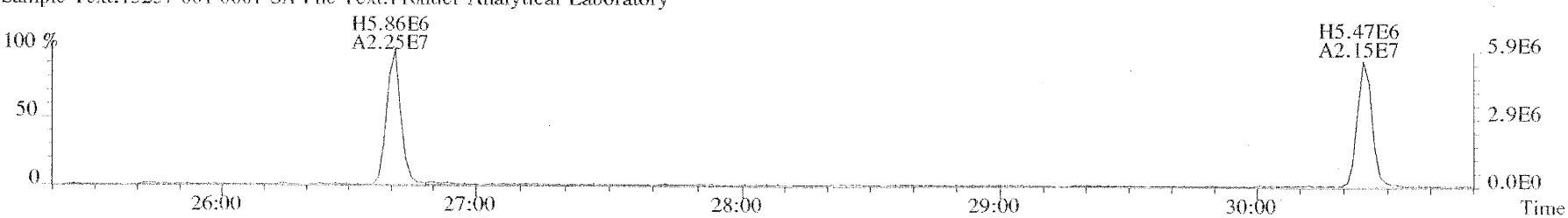
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



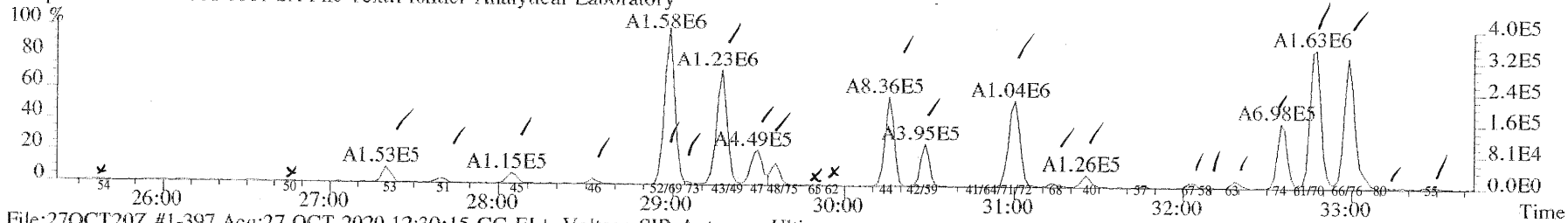
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



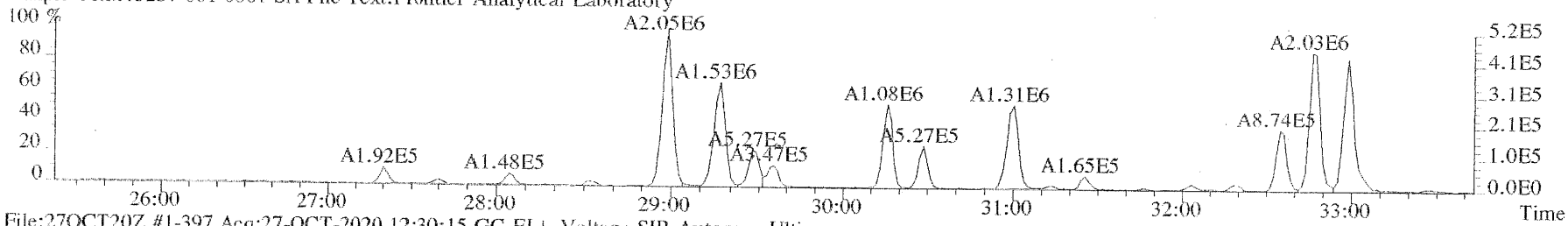
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



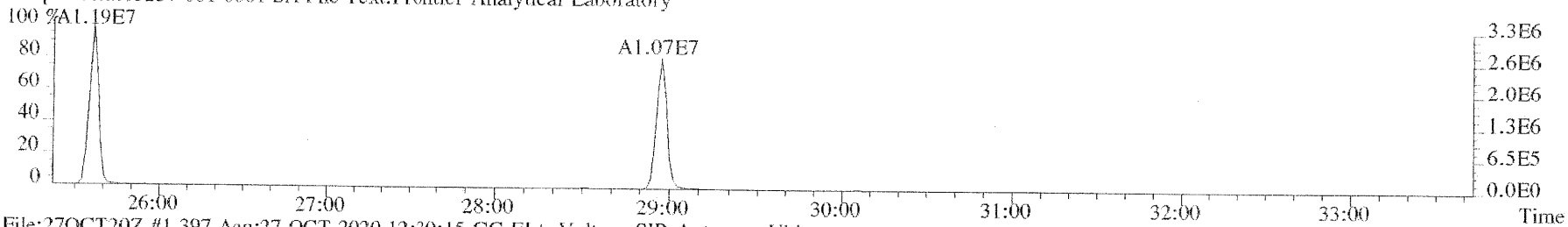
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



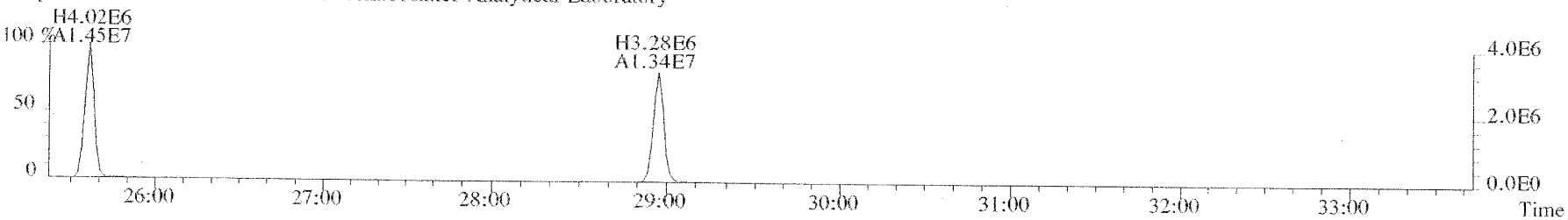
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



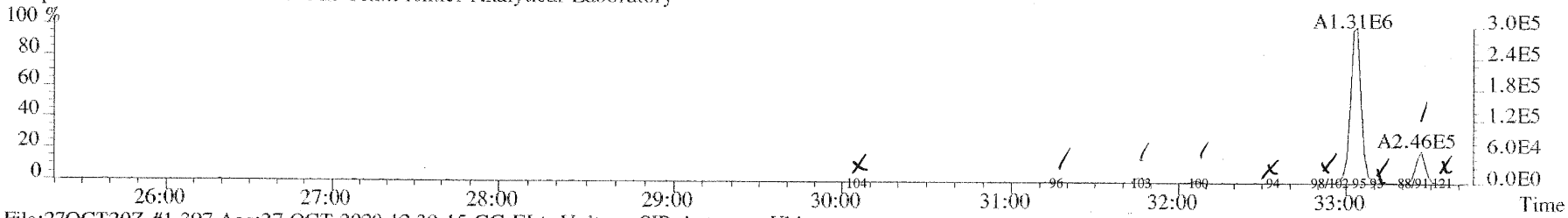
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



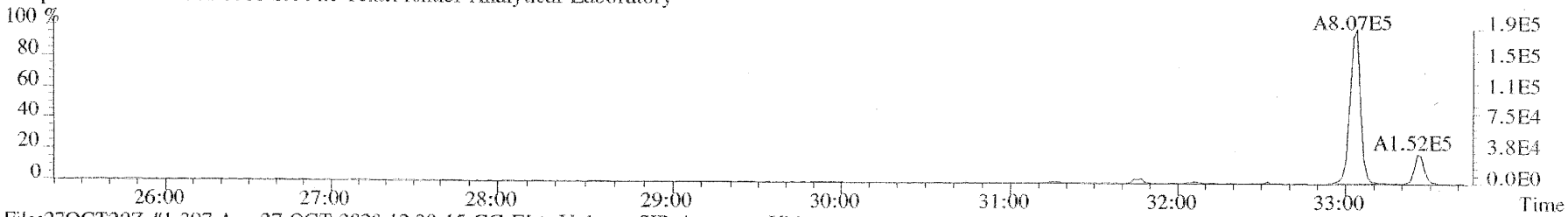
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



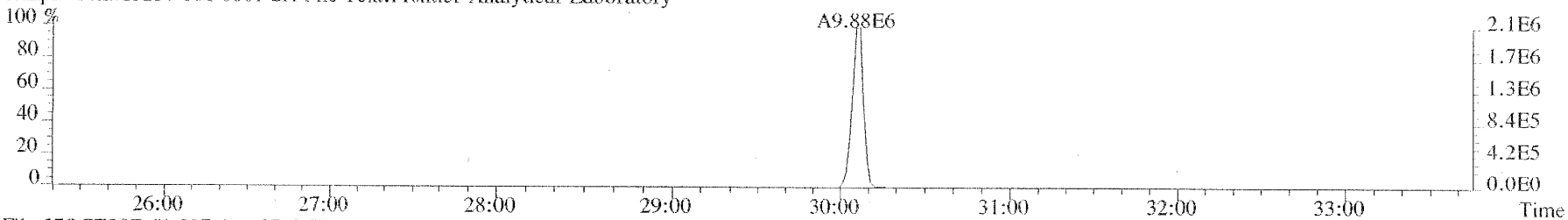
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



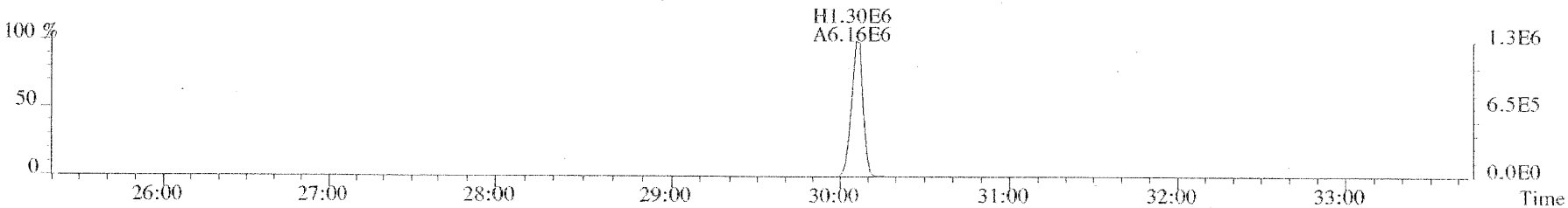
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



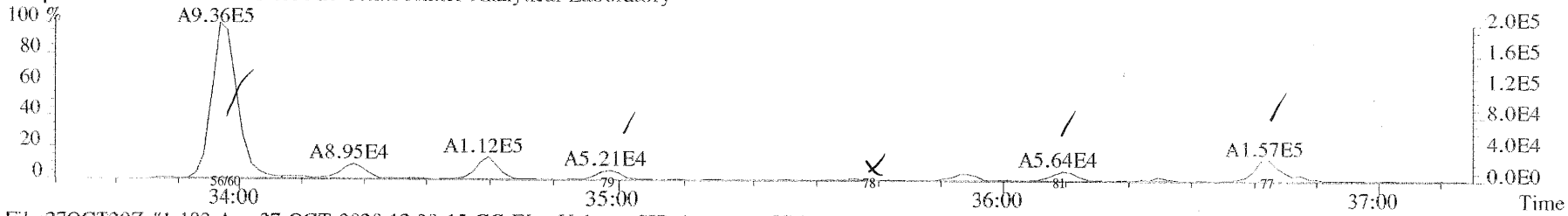
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



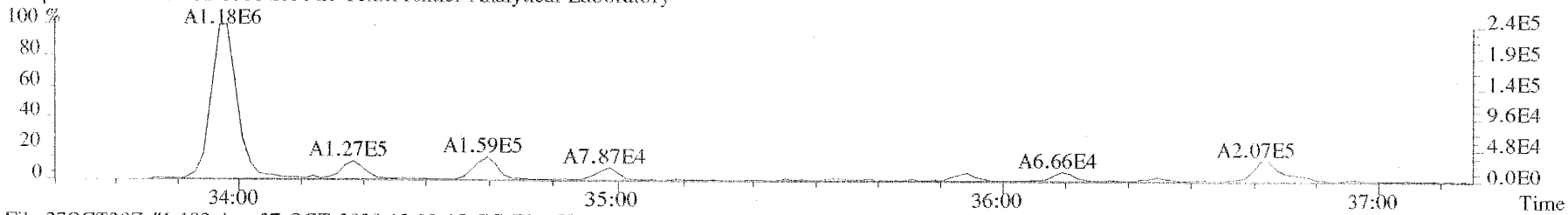
File:27OCT20Z #1-397 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



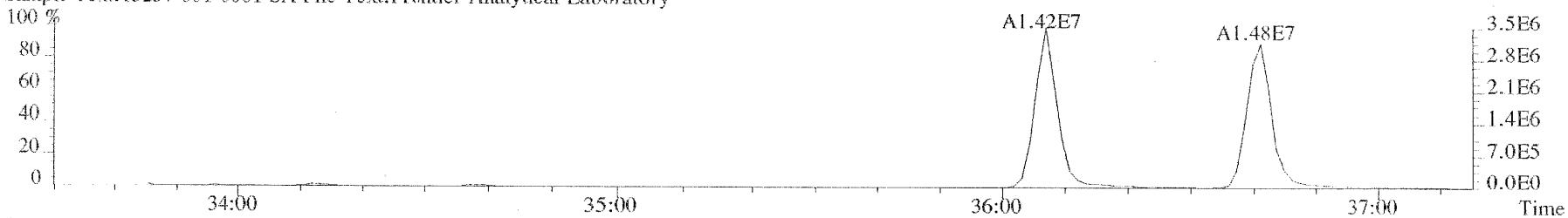
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



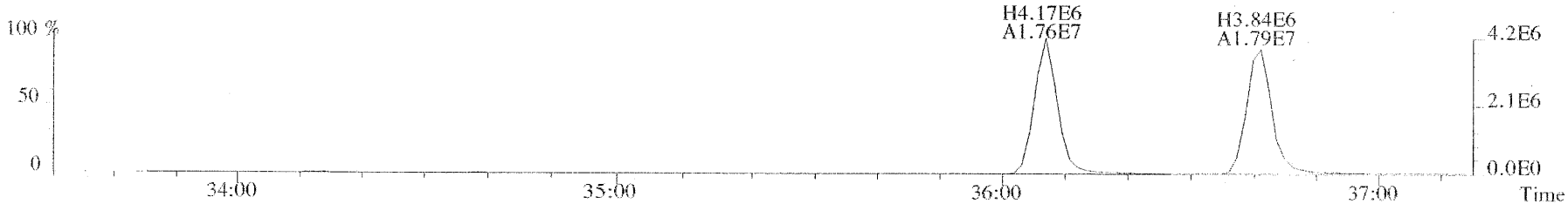
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



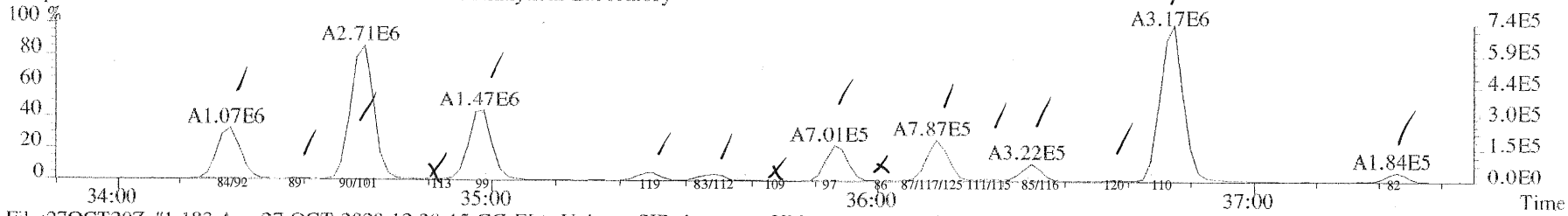
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



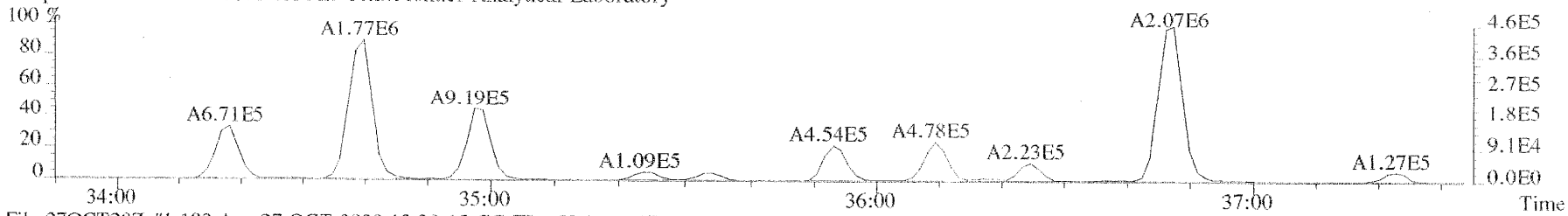
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



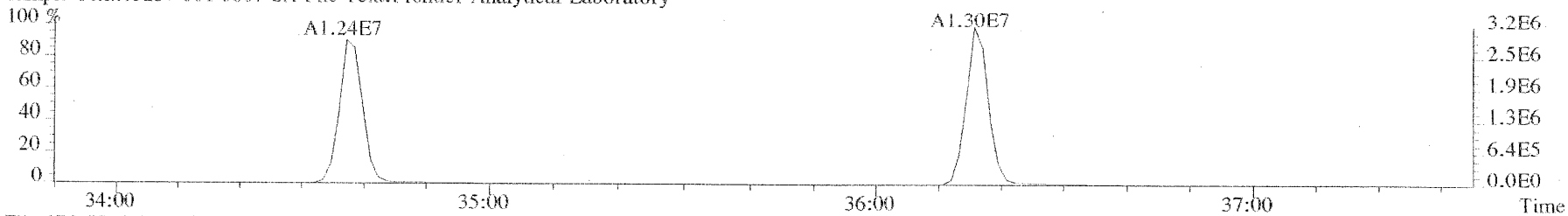
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



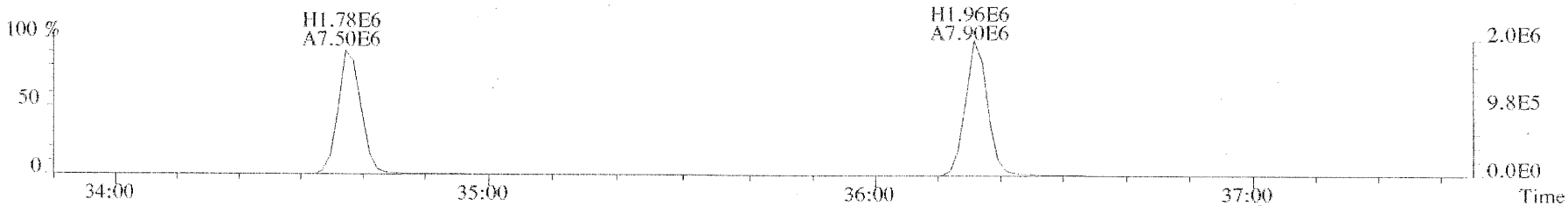
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



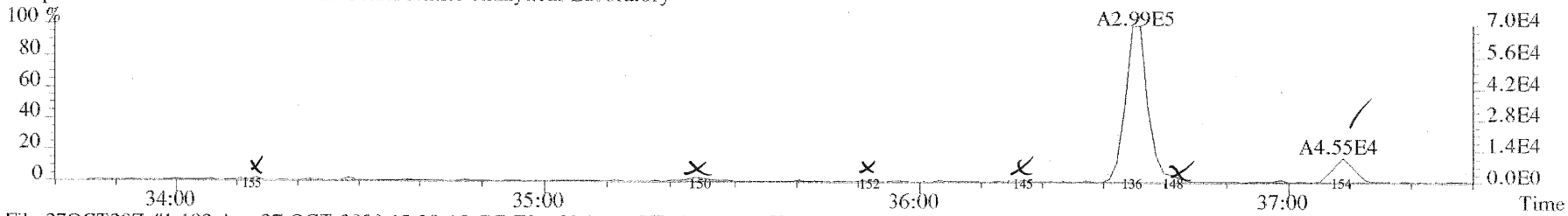
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



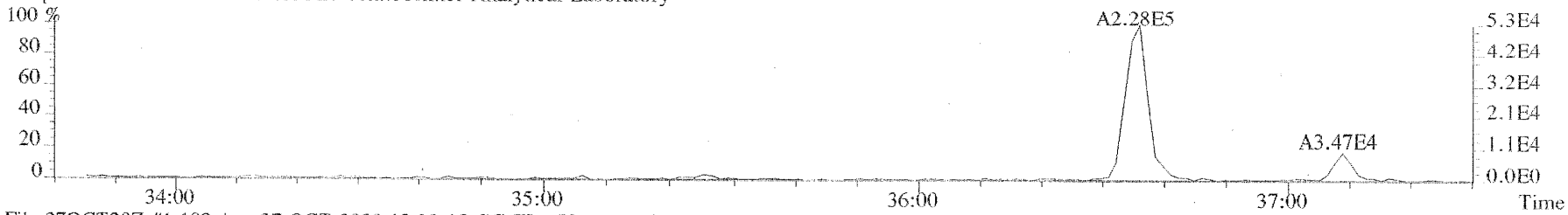
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



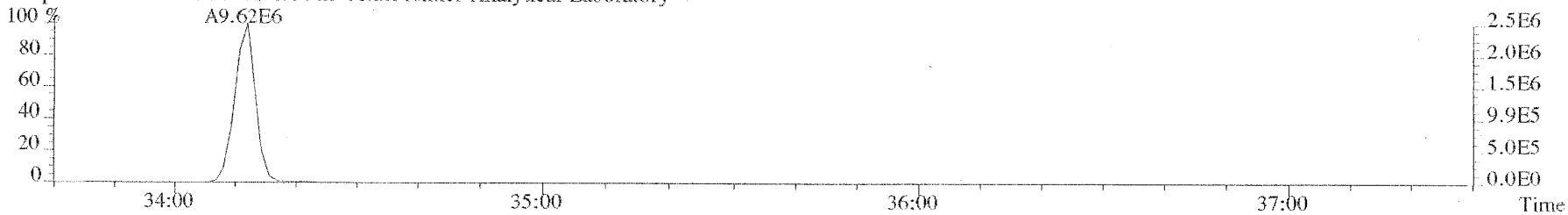
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



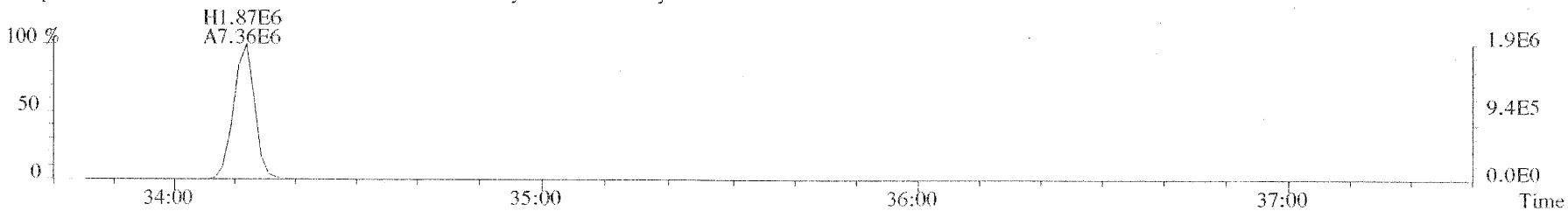
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



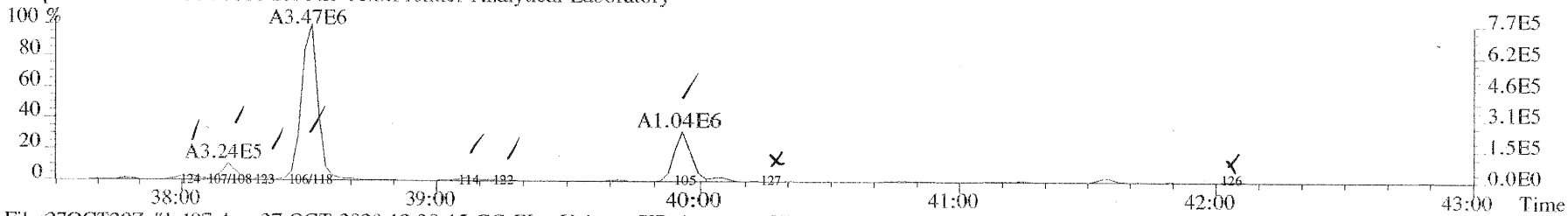
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



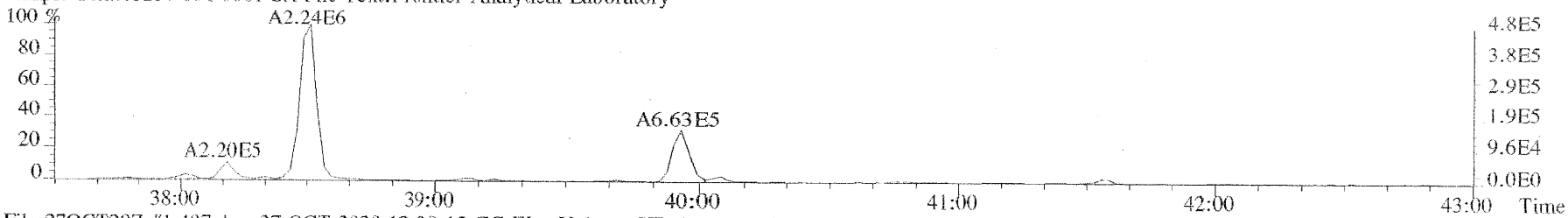
File:27OCT20Z #1-183 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



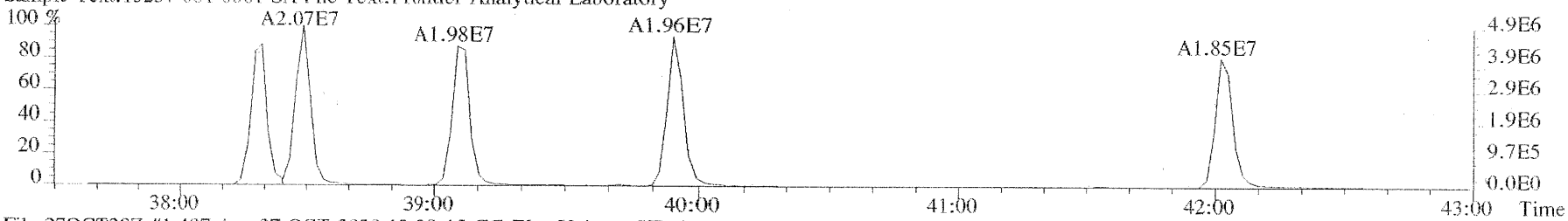
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



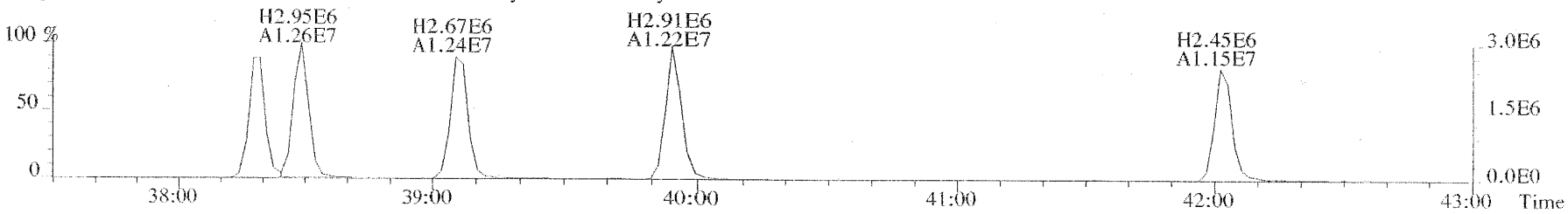
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



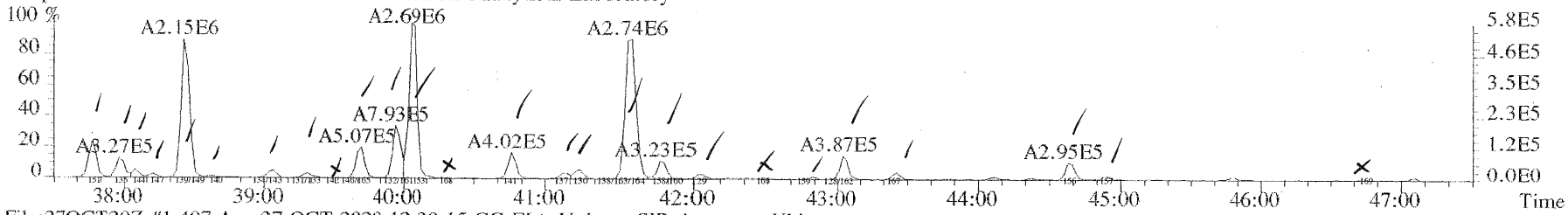
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



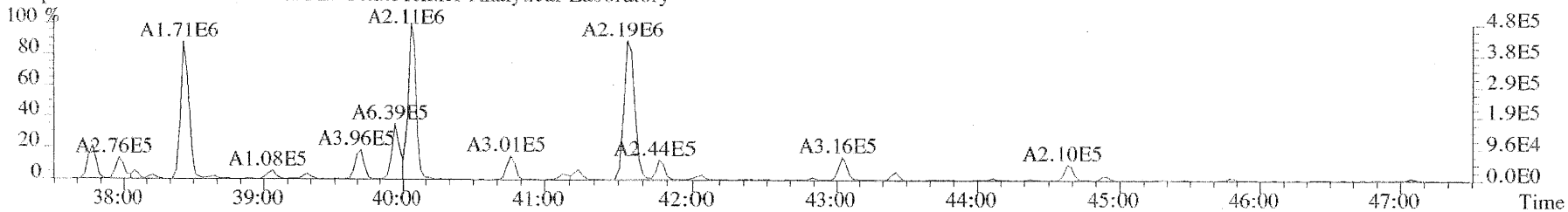
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



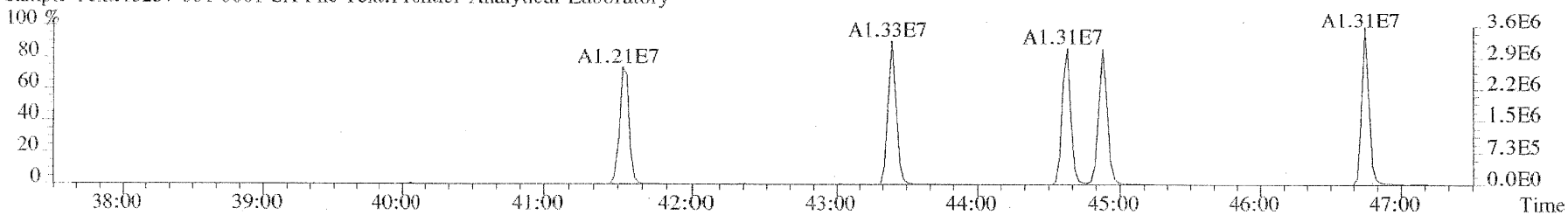
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



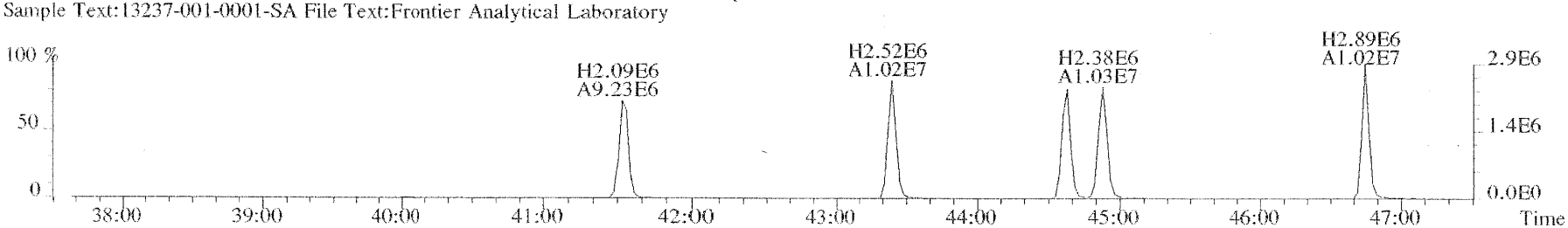
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



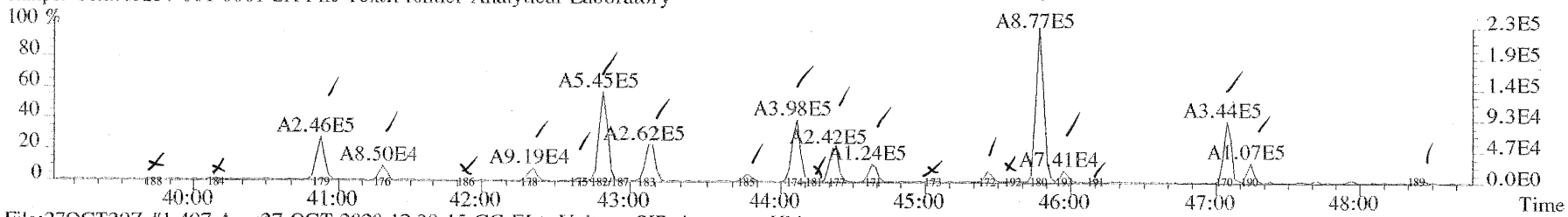
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



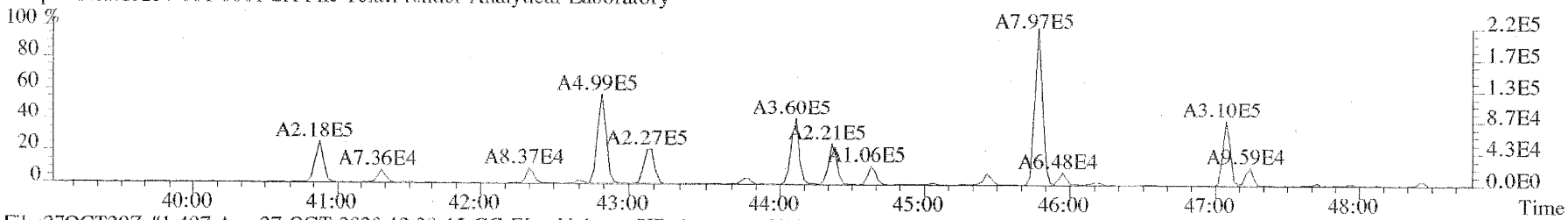
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



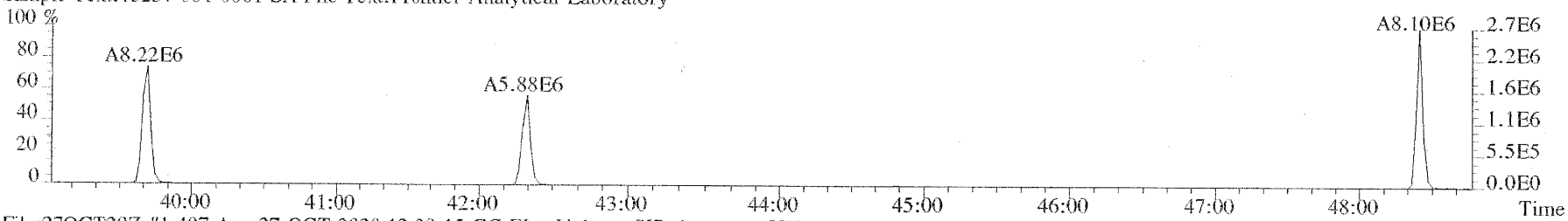
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



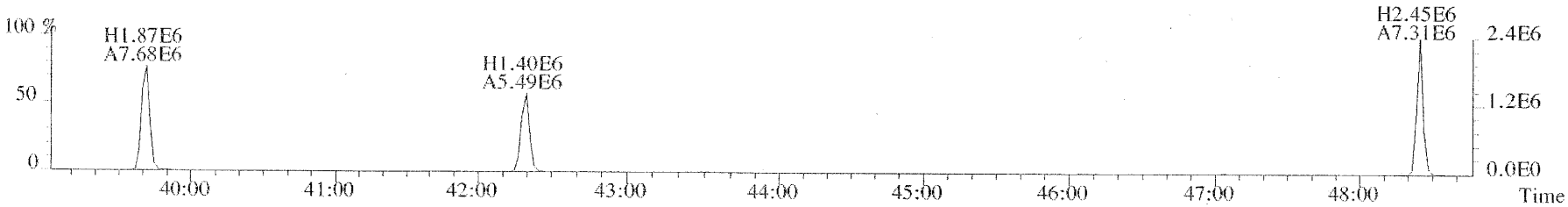
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



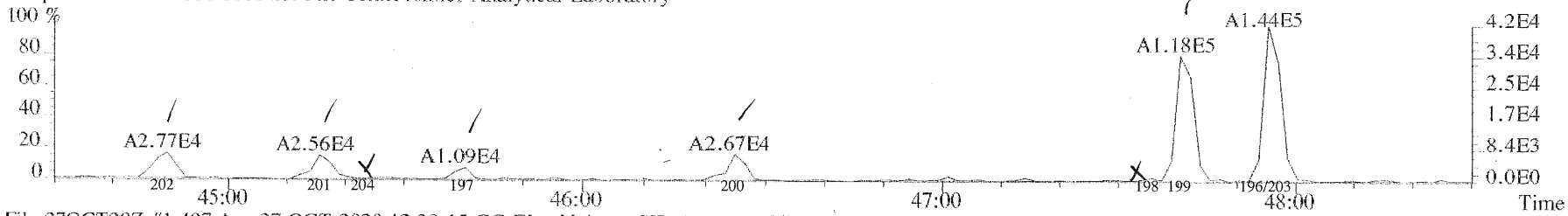
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



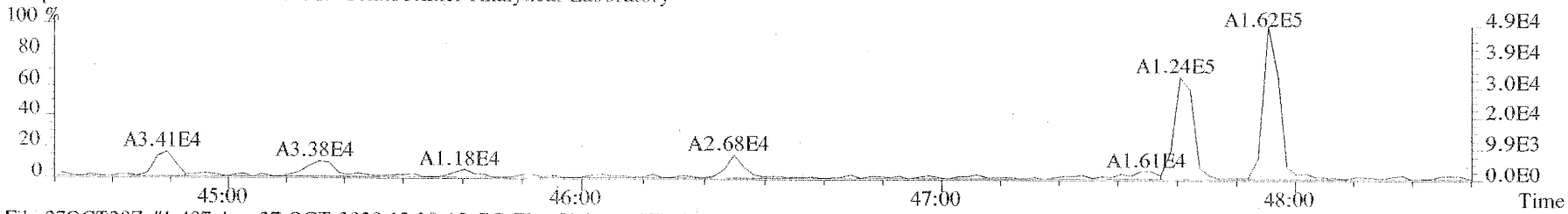
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



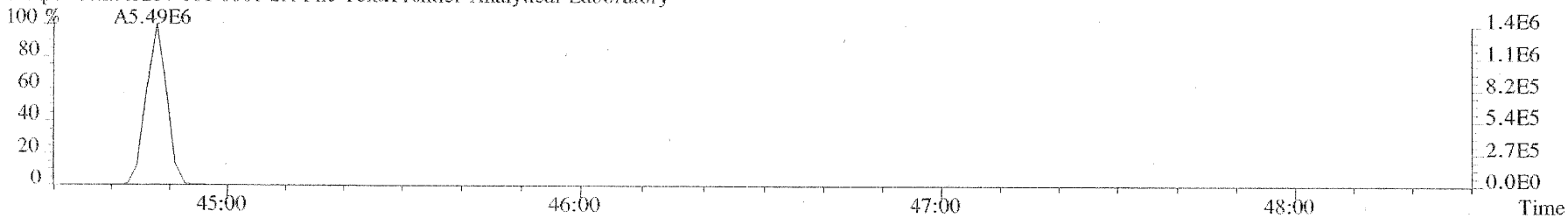
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



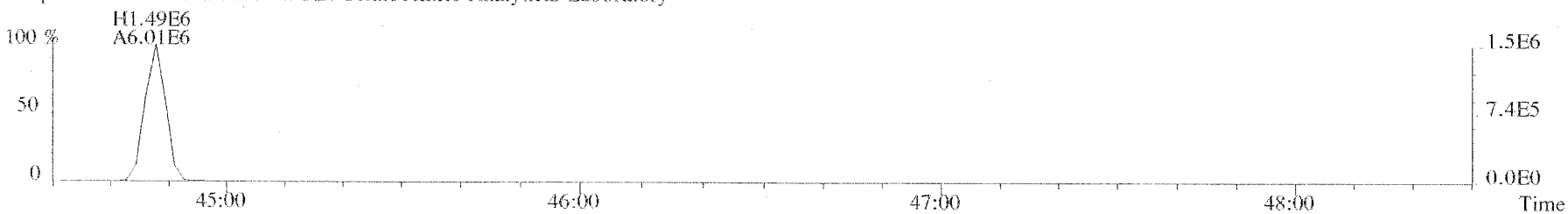
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



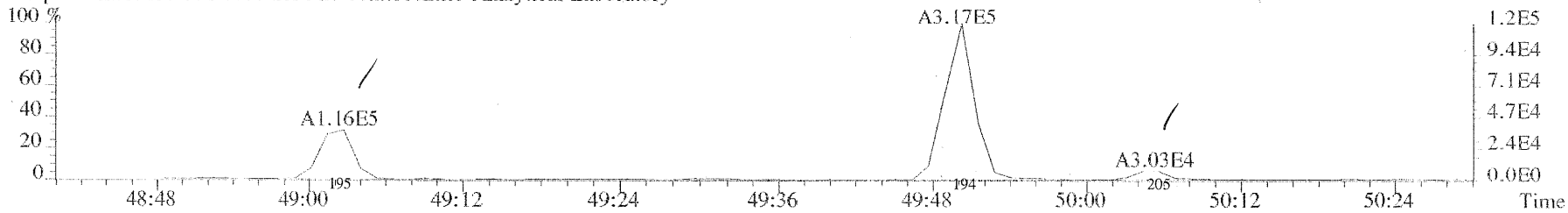
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



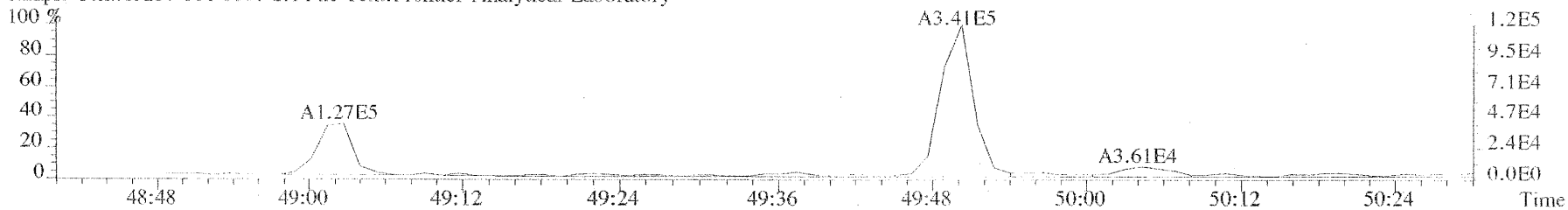
File:27OCT20Z #1-407 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



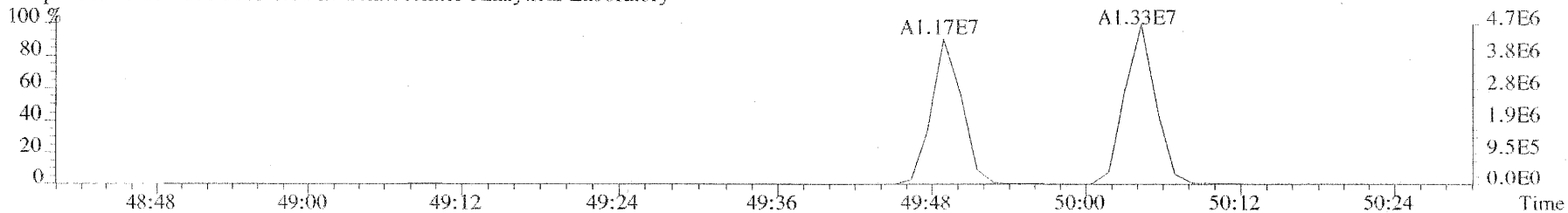
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



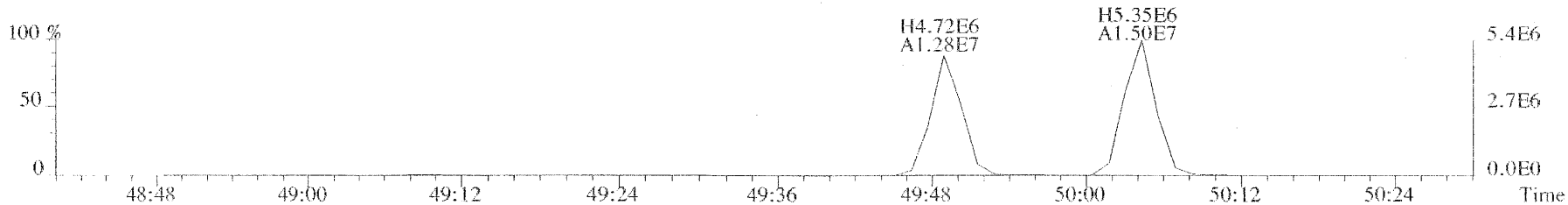
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



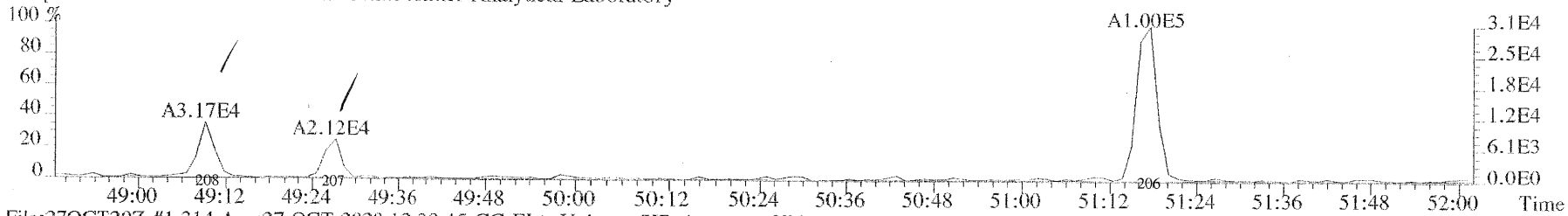
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



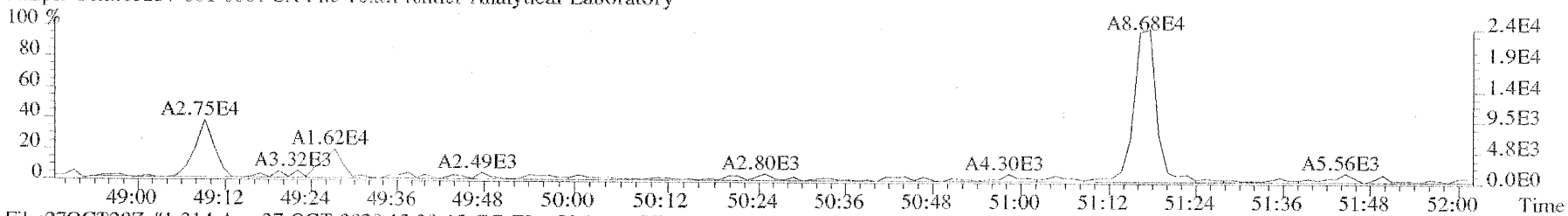
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



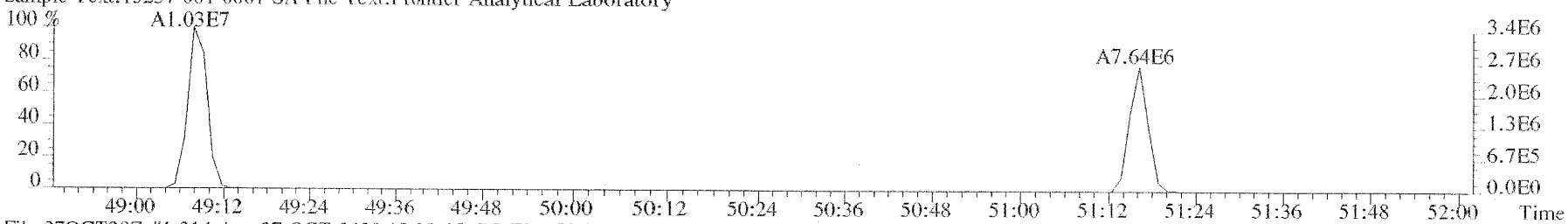
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



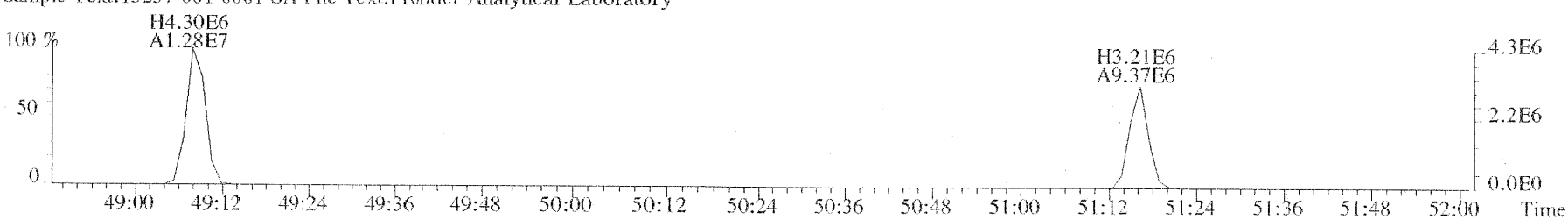
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



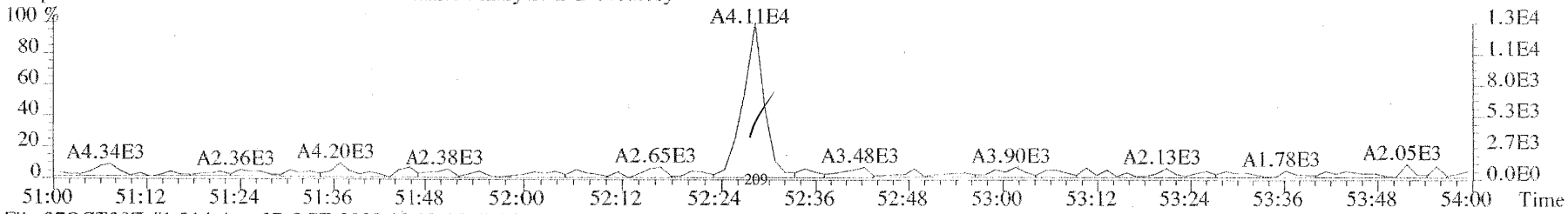
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



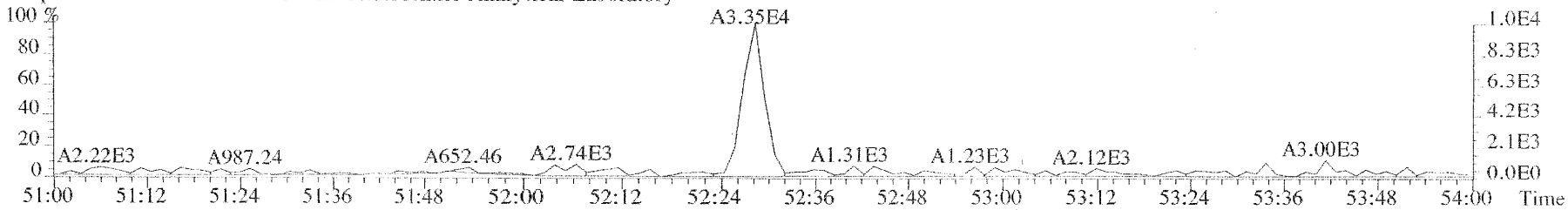
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



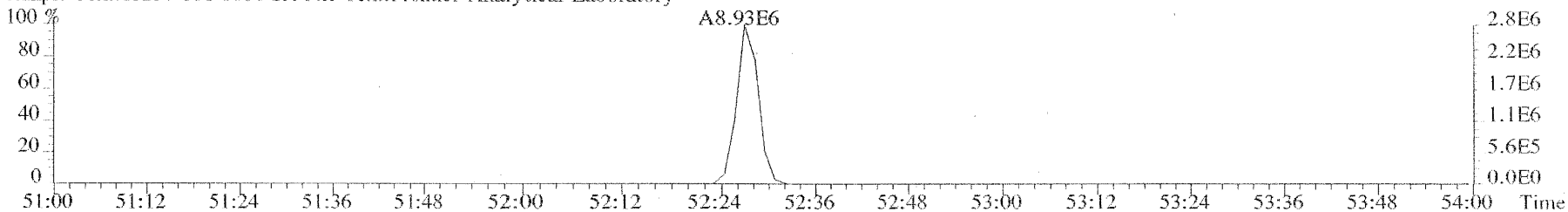
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



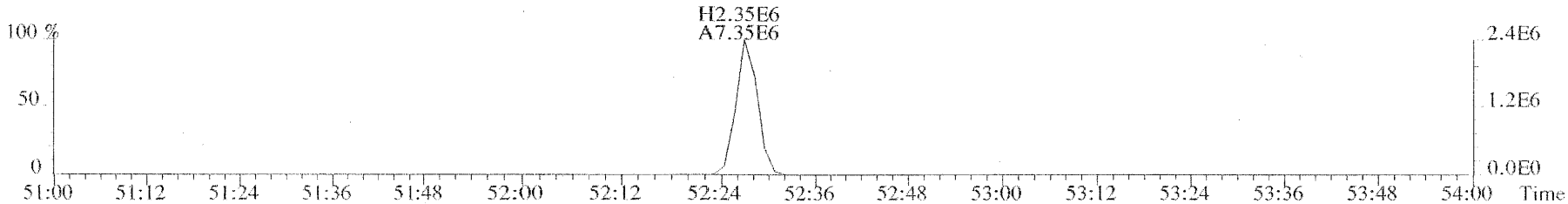
File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-001-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 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:13237-001-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 12:30:15 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:13237-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13237-002-0001-SA Filename: 27OCT20Z Sam:8 Acquired: 27-OCT-20 13:28:37 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR-CB-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.17

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.92e+06	3.19 y	14:34	1.37	31.8		-	-	*			
13C-PCB-1	4.36e+07	3.30 y	14:34	0.75	871					88.6	1.17e+07	3.48e+06
PCB-2	2.37e+05	2.90 y	16:47	1.38	3.90		-	-	*			
PCB-3	1.59e+06	3.16 y	16:59	1.35	27.0		-	-	*			
13C-PCB-3	4.29e+07	3.40 y	16:58	0.74	864					87.9	1.05e+07	2.99e+06
PCB-4	2.93e+06	1.41 y	18:14	1.14	65.9		-	-	*			
PCB-10	3.71e+05	1.51 y	18:17	1.41	4.97		-	-	*			
13C-PCB-4	3.85e+07	1.60 y	18:13	0.64	899					91.5	7.39e+06	4.53e+06
PCB-9	1.10e+06	1.46 y	19:56	1.43	14.5		-	-	*			
PCB-7	1.02e+06	1.55 y	19:57	1.37	14.0		-	-	*			
PCB-6	5.54e+06	1.53 y	20:32	1.39	75.5		-	-	*			
PCB-8	1.87e+07	1.44 y	20:54	1.40	252		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		789	5900	0.788			
PCB-14	*	* n	NotFnd	1.46	*		789	5900	0.785			
PCB-11	6.15e+05	1.46 y	23:05	1.39	8.37		-	-	*			
PCB-13	1.24e+06	1.51 y	23:26	1.42	16.4		-	-	*			
PCB-12	1.03e+06	1.61 y	23:27	1.43	13.7		-	-	*			
PCB-15	1.16e+07	1.45 y	23:46	1.23	142		-	-	*			
13C-PCB-15	6.55e+07	1.61 y	23:44	1.07	917					93.3	9.99e+06	6.39e+06
PCB-19	8.12e+05	1.14 y	22:07	1.35	28.0		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		2420	828	0.677			
PCB-18	1.05e+07	1.07 y	23:40	1.44	340		-	-	*			
PCB-17	5.48e+06	1.11 y	23:50	1.51	168		-	-	*			
PCB-27	6.67e+05	0.97 y	24:21	1.99	15.5		-	-	*			
PCB-24	7.14e+05	1.11 y	24:22	1.96	16.9		-	-	*			
PCB-16	3.74e+06	1.00 y	24:51	1.60	108		-	-	*			
PCB-32	4.56e+06	1.17 y	24:52	1.78	119		-	-	*			
13C-PCB-19	2.12e+07	1.10 y	22:06	0.39	820					83.4	3.01e+06	2.73e+06
13C-PCB-9	6.56e+07	1.62 y	19:53	-	11.1							
PCB-34	3.33e+05	1.08 y	25:36	1.14	5.22		-	-	*			
PCB-23	5.97e+04	1.05 y	25:43	1.29	0.825	J	-	-	*			
PCB-29	2.77e+05	1.11 y	25:57	1.28	3.86		-	-	*			
PCB-26	9.61e+06	1.08 y	26:08	1.26	136		-	-	*			
PCB-25	5.63e+06	1.09 y	26:17	1.19	84.9		-	-	*			
PCB-31	3.77e+07	1.06 y	26:37	1.33	505		-	-	*			
PCB-28	3.99e+07	1.10 y	26:43	1.36	523		-	-	*			
PCB-20	2.09e+07	1.09 y	27:19	1.20	311		-	-	*		Co-elute PCB 21/33	
PCB-21	2.09e+07	1.09 y	27:19	1.20	311		-	-	*		Co-elute PCB 20/33	
PCB-33	2.09e+07	1.09 y	27:19	1.20	311		-	-	*		Co-elute PCB 20/21	
PCB-22	1.26e+07	1.07 y	27:43	1.29	176		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1540	1380	0.566			
PCB-39	*	* n	NotFnd	1.28	*		1540	1380	0.558			
PCB-38	3.22e+05	1.19 y	29:30	1.34	4.28		-	-	*			
PCB-35	*	* n	NotFnd	1.23	*		1540	1380	0.580			
PCB-37	1.10e+07	1.07 y	30:30	1.25	157		-	-	*			
13C-PCB-37	5.50e+07	1.09 y	30:28	1.93	1040					106	5.21e+06	4.81e+06

PCB-54	6.17e+04	0.74	y	25:39	1.33	1.53	J	-	-	*			
PCB-50	6.74e+04	0.77	y	26:46	1.10	2.01		-	-	*			
PCB-53	2.58e+06	0.84	y	27:21	1.08	79.1		-	-	*			
PCB-51	8.74e+05	0.83	y	27:41	1.11	26.1		-	-	*			
PCB-45	2.01e+06	0.79	y	28:05	0.96	68.8		-	-	*			
PCB-46	7.72e+05	0.79	y	28:33	0.92	27.8		-	-	*			
PCB-52	3.04e+07	0.79	y	29:01	1.11	899		-	-	*	Co-elute PCB 69		
PCB-69	3.04e+07	0.79	y	29:01	1.11	899		-	-	*	Co-elute PCB 52		
PCB-73	4.22e+05	0.87	y	29:06	1.45	9.60		-	-	*			
PCB-43	1.96e+07	0.79	y	29:18	1.05	617		-	-	*	Co-elute PCB 49		
PCB-49	1.96e+07	0.79	y	29:18	1.05	617		-	-	*	Co-elute PCB 43		
PCB-47	6.58e+06	0.80	y	29:30	1.09	200		-	-	*			
PCB-48	4.08e+06	0.80	y	29:37	1.31	103		-	-	*	Co-elute PCB 75		
PCB-75	4.08e+06	0.80	y	29:37	1.31	103		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		1020	1820	0.648			
PCB-62	*	*	n	NotFnd	1.35	*		1020	1820	0.648			
PCB-44	1.47e+07	0.80	y	30:18	0.91	531		-	-	*			
PCB-42	6.53e+06	0.81	y	30:33	1.13	191		-	-	*	Co-elute PCB 59		
PCB-59	6.53e+06	0.81	y	30:33	1.13	191		-	-	*	Co-elute PCB 42		
PCB-72	1.65e+07	0.80	y	31:13	1.27	430		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.65e+07	0.80	y	31:13	1.27	430		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.65e+07	0.80	y	31:13	1.27	430		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.65e+07	0.80	y	31:13	1.27	430		-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.86e+05	0.83	y	31:29	1.48	8.61		-	-	*			
PCB-40	1.83e+06	0.81	y	31:40	0.82	74.1		-	-	*			
PCB-57	2.43e+05	0.85	y	31:57	1.40	5.72		-	-	*			
PCB-67	1.15e+06	0.85	y	32:11	1.44	26.3		-	-	*			
PCB-58	1.61e+05	0.87	y	32:16	1.35	3.93		-	-	*			
PCB-63	1.29e+06	0.80	y	32:25	1.41	30.1		-	-	*			
PCB-74	1.37e+07	0.81	y	32:41	1.44	315		-	-	*			
PCB-61	3.31e+07	0.79	y	32:51	1.29	844		-	-	*	Co-elute PCB 70		
PCB-70	3.31e+07	0.79	y	32:51	1.29	844		-	-	*	Co-elute PCB 61		
PCB-76	2.90e+07	0.80	y	33:04	1.45	659		-	-	*	Co-elute PCB 66		
PCB-66	2.90e+07	0.80	y	33:04	1.45	659		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.63	*		1020	1820	0.537			
PCB-55	6.71e+05	0.84	y	33:33	1.44	15.4		-	-	*			
13C-PCB-54	2.98e+07	0.82	y	25:38	1.12	975					99.2	3.60e+06	4.40e+06
PCB-104	*	*	n	NotFnd	1.23	*		476	452	0.528			
PCB-96	1.51e+05	1.56	y	31:29	1.21	7.30		-	-	*			
PCB-103	5.01e+05	1.63	y	31:56	1.03	28.3		-	-	*			
PCB-100	1.96e+05	1.58	y	32:13	1.04	11.0		-	-	*			
PCB-94	1.06e+05	1.74	y	32:39	0.87	7.15		-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		476	452	0.761	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		476	452	0.761	Co-elute PCB 98		
PCB-95	1.87e+07	1.59	y	33:08	1.01	1080		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		476	452	0.760			
PCB-88	3.20e+06	1.59	y	33:30	0.96	193		-	-	*	Co-elute PCB 91		
PCB-91	3.20e+06	1.59	y	33:30	0.96	193		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*		476	452	0.565			
13C-PCB-104	1.69e+07	1.59	y	30:08	0.70	878					89.3	2.18e+06	1.33e+06
13C-PCB-28	6.03e+07	1.07	y	26:42	2.24	987					100	8.00e+06	7.36e+06
13C-PCB-52	2.68e+07	0.81	y	28:59	-	9.67							

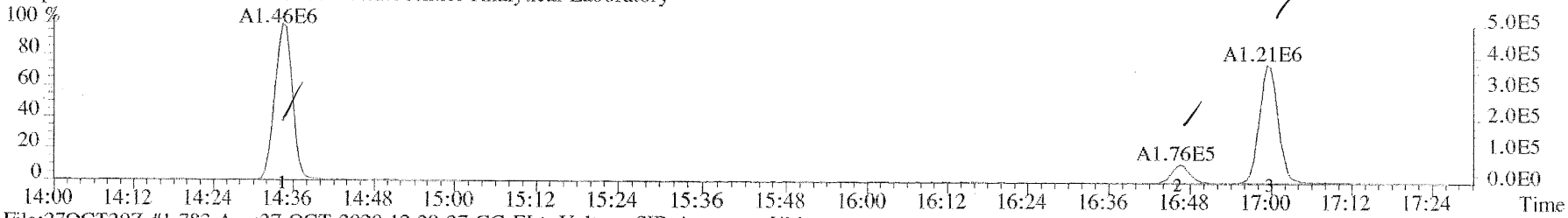
PCB-56	2.05e+07	0.80	y	34:00	1.24	376		-	-	*		Co-elute PCB 60
PCB-60	2.05e+07	0.80	y	34:00	1.24	376		-	-	*		Co-elute PCB 56
PCB-79	1.00e+06	0.82	y	35:01	1.31	17.4		-	-	*		
PCB-78	*	*	n	NotFnd	1.31	*		1540	1950	0.683		
PCB-81	1.17e+06	0.74	y	36:12	1.37	19.6		-	-	*		
13C-PCB-81	4.26e+07	0.81	y	36:09	1.87	969					98.6	4.08e+06 5.23e+06
PCB-77	3.38e+06	0.81	y	36:45	1.25	60.5		-	-	*		
13C-PCB-77	4.40e+07	0.80	y	36:44	1.90	986					100	4.38e+06 5.48e+06
PCB-155	*	*	n	NotFnd	1.14	*		660	596	0.601		
PCB-150	1.38e+05	1.18	y	35:28	1.15	6.28		-	-	*		
PCB-152	2.98e+04	1.18	y	35:54	1.12	1.39	J	-	-	*		
PCB-145	*	*	n	NotFnd	1.10	*		660	596	0.627		
PCB-136	5.35e+06	1.26	y	36:38	1.05	265		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		660	596	0.749		
PCB-154	9.59e+05	1.20	y	37:11	1.01	49.3		-	-	*		
13C-PCB-155	1.89e+07	1.31	y	34:16	0.94	850					86.5	2.53e+06 1.95e+06
13C-PCB-111	2.68e+07	1.63	y	36:20	1.27	900					91.5	4.03e+06 2.42e+06
13C-PCB-101	2.31e+07	1.63	y	34:41	-	9.95						
PCB-84	1.53e+07	1.59	y	34:21	0.61	592		-	-	*		Co-elute PCB 92
PCB-92	1.53e+07	1.59	y	34:21	0.61	592		-	-	*		Co-elute PCB 84
PCB-89	3.13e+05	1.35	y	34:32	0.59	12.4		-	-	*		
PCB-90	4.28e+07	1.61	y	34:42	0.69	1460		-	-	*		Co-elute PCB 101
PCB-101	4.28e+07	1.61	y	34:42	0.69	1460		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*		1070	1010	0.659		
PCB-99	2.07e+07	1.60	y	35:01	0.74	660		-	-	*		
PCB-119	2.00e+06	1.57	y	35:28	0.91	51.7		-	-	*		
PCB-83	1.86e+06	1.61	y	35:37	0.72	61.0		-	-	*		Co-elute PCB 112
PCB-112	1.86e+06	1.61	y	35:37	0.72	61.0		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*		1070	1010	0.638		
PCB-97	1.01e+07	1.59	y	35:57	0.60	395		-	-	*		
PCB-86	*	*	n	NotFnd	0.57	*		1070	1010	0.951		
PCB-125	1.37e+07	1.62	y	36:12	0.81	395		-	-	*		Co-elute PCB 87/117
PCB-87	1.37e+07	1.62	y	36:12	0.81	395		-	-	*		Co-elute PCB 125/117
PCB-117	1.37e+07	1.62	y	36:12	0.81	395		-	-	*		Co-elute PCB 125/87
PCB-111	6.33e+05	1.33	y	36:21	0.89	16.8		-	-	*		Co-elute PCB 115
PCB-115	6.33e+05	1.33	y	36:21	0.89	16.8		-	-	*		Co-elute PCB 111
PCB-85	5.72e+06	1.63	y	36:27	0.77	175		-	-	*		Co-elute PCB 116
PCB-116	5.72e+06	1.63	y	36:27	0.77	175		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.94	*		1070	1010	0.574		
PCB-110	4.86e+07	1.61	y	36:50	0.89	1280		-	-	*		
PCB-82	3.06e+06	1.57	y	37:25	0.56	129		-	-	*		
PCB-124	2.30e+06	1.56	y	38:04	1.25	43.3		-	-	*		
PCB-108	5.15e+06	1.48	y	38:14	1.18	103		-	-	*		Co-elute PCB 107
PCB-107	5.15e+06	1.48	y	38:14	1.18	103		-	-	*		Co-elute PCB 108
PCB-123	8.72e+05	1.71	y	38:22	1.08	19.8		-	-	*		
13C-PCB-123	4.03e+07	1.59	y	38:21	1.54	1060					108	6.03e+06 3.76e+06
PCB-118	5.82e+07	1.57	y	38:32	1.17	1130		-	-	*		Co-elute PCB 106
PCB-106	5.82e+07	1.57	y	38:32	1.17	1130		-	-	*		Co-elute PCB 118
13C-PCB-118	4.35e+07	1.62	y	38:31	1.60	1100					112	5.82e+06 3.55e+06
PCB-114	1.23e+06	1.40	y	39:10	1.19	24.2		-	-	*		
13C-PCB-114	4.21e+07	1.59	y	39:09	1.57	1080					110	6.03e+06 3.85e+06
PCB-122	6.79e+05	1.48	y	39:17	1.23	13.1		-	-	*		
PCB-105	2.05e+07	1.57	y	39:58	1.24	395		-	-	*		
13C-PCB-105	4.10e+07	1.61	y	39:58	1.52	1100					112	5.53e+06 3.44e+06

PCB-127	7.07e+04	1.40 y	40:14	1.16	1.43	J	-	-	*				
PCB-126	2.07e+05	1.63 y	42:05	1.18	4.29		-	-	*				
13C-PCB-126	4.02e+07	1.61 y	42:05	1.57	1040					106	5.45e+06	3.37e+06	
PCB-151	1.18e+07	1.30 y	37:48	0.98	420		-	-	*				
PCB-135	6.43e+06	1.28 y	38:01	0.91	246		-	-	*				
PCB-144	2.30e+06	1.27 y	38:08	1.12	71.9		-	-	*				
PCB-147	1.06e+06	1.24 y	38:14	1.01	36.5		-	-	*				
PCB-139	4.35e+07	1.28 y	38:29	1.05	1450		-	-	*				Co-elute PCB 149
PCB-149	4.35e+07	1.28 y	38:29	1.05	1450		-	-	*				Co-elute PCB 139
PCB-140	5.60e+05	1.31 y	38:41	1.04	18.8		-	-	*				
PCB-143	2.36e+06	1.31 y	39:05	0.89	92.8		-	-	*				Co-elute PCB 134
PCB-134	2.36e+06	1.31 y	39:05	0.89	92.8		-	-	*				Co-elute PCB 143
PCB-131	1.61e+06	1.24 y	39:20	0.89	63.0		-	-	*				Co-elute PCB 133
PCB-133	1.61e+06	1.24 y	39:20	0.89	63.0		-	-	*				Co-elute PCB 131
PCB-142	*	* n	NotFnd	0.87	*		1100	1010	0.936				
PCB-165	1.07e+07	1.27 y	39:43	1.16	321		-	-	*				Co-elute PCB 146
PCB-146	1.07e+07	1.27 y	39:43	1.16	321		-	-	*				Co-elute PCB 165
PCB-161	1.43e+07	1.29 y	40:00	1.06	471		-	-	*				Co-elute PCB 132
PCB-132	1.43e+07	1.29 y	40:00	1.06	471		-	-	*				Co-elute PCB 161
PCB-153	5.73e+07	1.29 y	40:06	1.23	1630		-	-	*				
PCB-168	1.32e+05	1.19 y	40:18	1.26	3.67		-	-	*				
PCB-141	7.89e+06	1.28 y	40:49	1.00	276		-	-	*				
PCB-137	1.70e+06	1.26 y	41:10	0.98	60.7		-	-	*				
PCB-130	3.20e+06	1.27 y	41:15	0.94	118		-	-	*				
PCB-138	5.63e+07	1.29 y	41:37	1.16	1700		-	-	*				Co-elute PCB 163/164
PCB-163	5.63e+07	1.29 y	41:37	1.16	1700		-	-	*				Co-elute PCB 138/164
PCB-164	5.63e+07	1.29 y	41:37	1.16	1700		-	-	*				Co-elute PCB 138/163
PCB-158	6.17e+06	1.30 y	41:50	1.32	164		-	-	*				Co-elute PCB 160
PCB-160	6.17e+06	1.30 y	41:50	1.32	164		-	-	*				Co-elute PCB 158
PCB-129	1.50e+06	1.25 y	42:05	0.85	61.7		-	-	*				
PCB-166	1.65e+05	1.35 y	42:31	1.30	4.41		-	-	*				
PCB-159	7.11e+05	1.29 y	42:52	1.33	18.7		-	-	*				
PCB-128	7.42e+06	1.26 y	43:04	1.09	237		-	-	*				Co-elute PCB 162
PCB-162	7.42e+06	1.26 y	43:04	1.09	237		-	-	*				Co-elute PCB 128
PCB-167	2.08e+06	1.30 y	43:27	1.24	57.7		-	-	*				
13C-PCB-167	2.87e+07	1.30 y	43:25	1.14	1020					104	3.42e+06	2.68e+06	
PCB-156	5.42e+06	1.29 y	44:41	1.30	150		-	-	*				
13C-PCB-156	2.74e+07	1.31 y	44:39	1.11	1000					102	3.60e+06	2.79e+06	
PCB-157	1.10e+06	1.25 y	44:56	1.25	30.5		-	-	*				
13C-PCB-157	2.84e+07	1.30 y	44:54	1.11	1040					105	3.34e+06	2.63e+06	
PCB-169	*	* n	NotFnd	1.23	*		1100	1010	0.595				
13C-PCB-169	2.83e+07	1.30 y	46:46	1.09	1050					107	3.99e+06	3.11e+06	

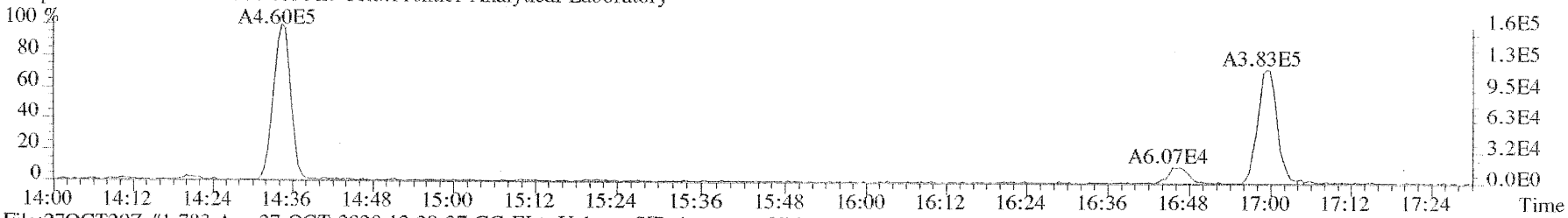
PCB-188	7.96e+04	1.14	y	39:45	1.23	3.46	-	-	*			
13C-PCB-188	1.84e+07	1.11	y	39:43	0.80	931				94.6	2.37e+06	2.15e+06
PCB-184	*	*	n	NotFnd	1.38	*	870	616	0.535			
PCB-179	5.78e+06	1.09	y	40:54	1.30	243	-	-	*			
PCB-176	1.78e+06	1.11	y	41:20	1.30	74.9	-	-	*			
PCB-186	*	*	n	NotFnd	1.28	*	870	616	0.576			
PCB-178	2.15e+06	1.13	y	42:23	0.94	125	-	-	*			
PCB-175	4.98e+05	1.05	y	42:43	0.99	27.5	-	-	*			
PCB-187	1.42e+07	1.08	y	42:51	1.07	723	-	-	*		Co-elute PCB 182	
PCB-182	1.42e+07	1.08	y	42:51	1.07	723	-	-	*		Co-elute PCB 187	
PCB-183	6.55e+06	1.08	y	43:11	1.04	344	-	-	*			
PCB-185	1.10e+06	1.11	y	43:48	0.96	62.5	-	-	*			
PCB-174	9.31e+06	1.07	y	44:08	1.01	502	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	870	616	0.776			
PCB-177	5.77e+06	1.06	y	44:25	0.89	353	-	-	*			
PCB-171	2.68e+06	1.09	y	44:41	0.95	155	-	-	*			
PCB-173	1.57e+05	1.08	y	45:04	0.86	9.98	-	-	*			
PCB-172	1.57e+06	1.08	y	45:29	0.89	96.6	-	-	*			
PCB-192	*	*	n	NotFnd	1.18	*	870	616	0.626			
PCB-180	2.26e+07	1.06	y	45:49	0.94	1310	-	-	*			
PCB-193	1.53e+06	1.07	y	46:00	1.25	66.9	-	-	*			
PCB-191	5.16e+05	1.11	y	46:12	1.23	22.9	-	-	*			
PCB-170	8.26e+06	1.07	y	47:06	0.89	507	-	-	*			
PCB-190	2.33e+06	1.11	y	47:16	1.19	107	-	-	*			
PCB-189	4.30e+05	0.99	y	48:28	1.21	19.8	-	-	*			
13C-PCB-189	1.77e+07	1.08	y	48:27	0.73	981				99.7	2.84e+06	2.63e+06
PCB-202	9.23e+05	0.94	y	44:51	1.10	71.9	-	-	*			
PCB-201	6.73e+05	0.98	y	45:17	1.25	45.8	-	-	*			
PCB-204	*	*	n	NotFnd	1.19	*	452	464	0.725			
PCB-197	2.17e+05	0.83	y	45:42	1.20	15.4	-	-	*			
PCB-200	5.75e+05	0.94	y	46:26	1.21	40.7	-	-	*			
PCB-198	1.89e+05	0.89	y	47:37	0.81	19.9	-	-	*			
PCB-199	3.58e+06	0.95	y	47:42	0.93	329	-	-	*			
PCB-203	4.25e+06	0.94	y	47:57	0.93	391	-	-	*		Co-elute PCB 196	
PCB-196	4.25e+06	0.94	y	47:57	0.93	391	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.15e+07	0.89	y	44:49	0.55	850				86.4	1.22e+06	1.39e+06
13C-PCB-178	1.31e+07	1.11	y	42:21	0.62	848				86.3	1.59e+06	1.48e+06
13C-PCB-138	2.42e+07	1.31	y	41:35	-	9.16						
PCB-195	3.53e+06	0.90	y	49:04	0.91	121	-	-	*			
PCB-194	8.98e+06	0.93	y	49:51	0.97	289	-	-	*			
PCB-205	5.82e+05	0.89	y	50:07	1.17	15.5	-	-	*			
13C-PCB-205	3.16e+07	0.91	y	50:06	1.20	1020				104	4.58e+06	5.18e+06
PCB-208	1.09e+06	1.39	y	49:10	1.13	36.4	-	-	*			
13C-PCB-208	2.60e+07	0.81	y	49:09	0.98	1030				105	3.61e+06	4.67e+06
PCB-207	5.46e+05	1.40	y	49:28	1.33	18.2	-	-	*			
PCB-206	3.01e+06	1.35	y	51:19	1.19	135	-	-	*			
13C-PCB-206	1.84e+07	0.82	y	51:19	0.70	1020				104	2.42e+06	2.91e+06
PCB-209	1.92e+06	1.17	y	52:29	1.23	90.9	-	-	*			
13C-PCB-209	1.68e+07	1.21	y	52:29	0.70	937				95.3	2.92e+06	2.38e+06
13C-PCB-194	2.53e+07	0.91	y	49:50	-	9.52						

Analyst: _____ Date: 11/8/20

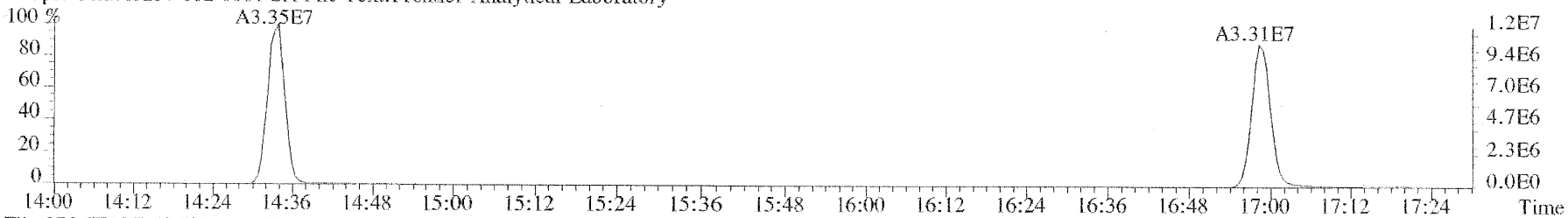
File:27OCT20Z #1-783 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



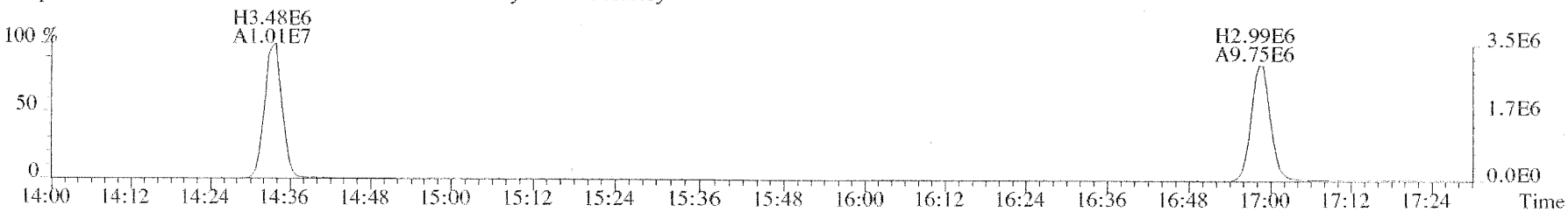
File:27OCT20Z #1-783 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



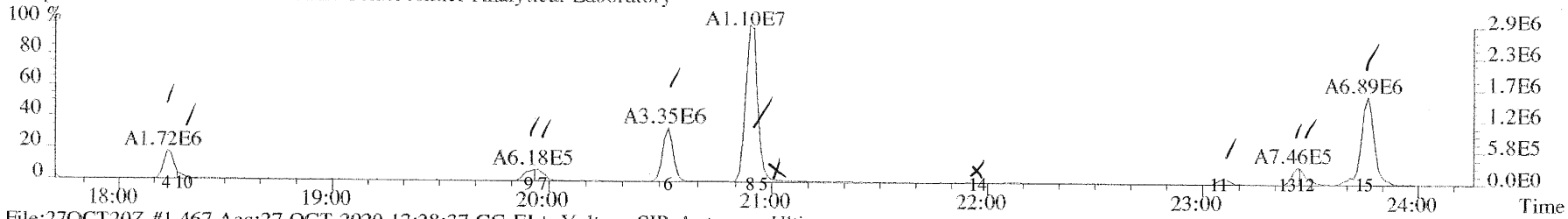
File:27OCT20Z #1-783 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



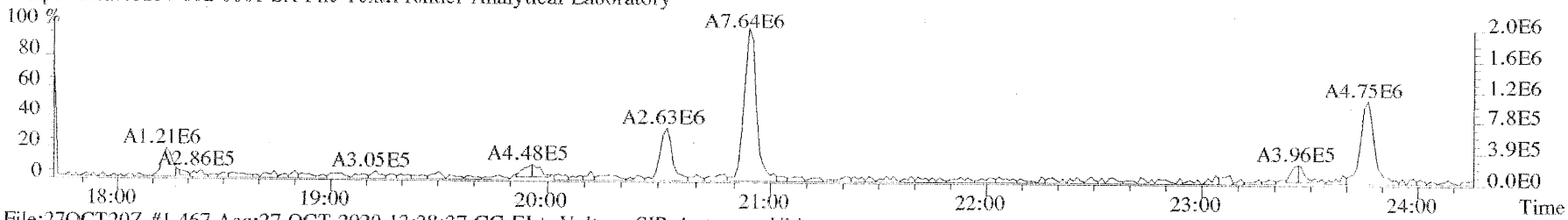
File:27OCT20Z #1-783 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



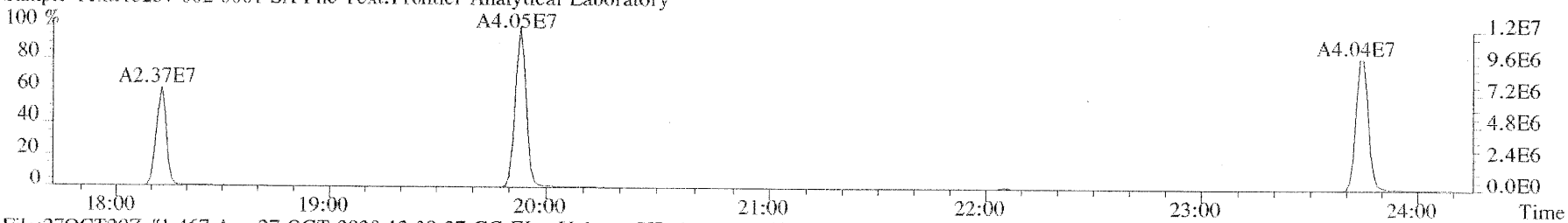
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



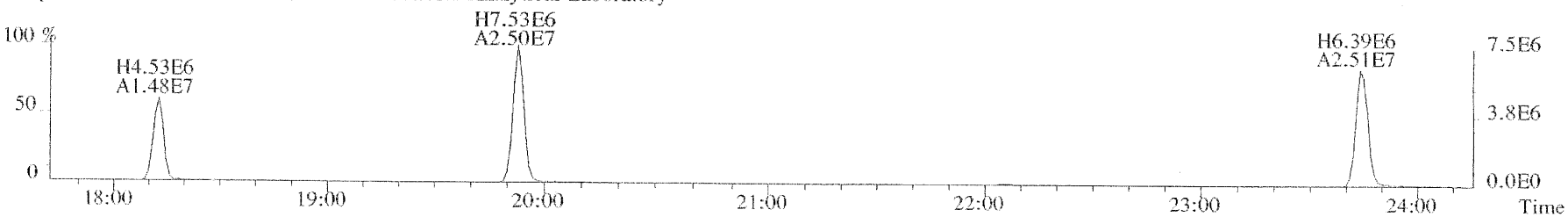
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



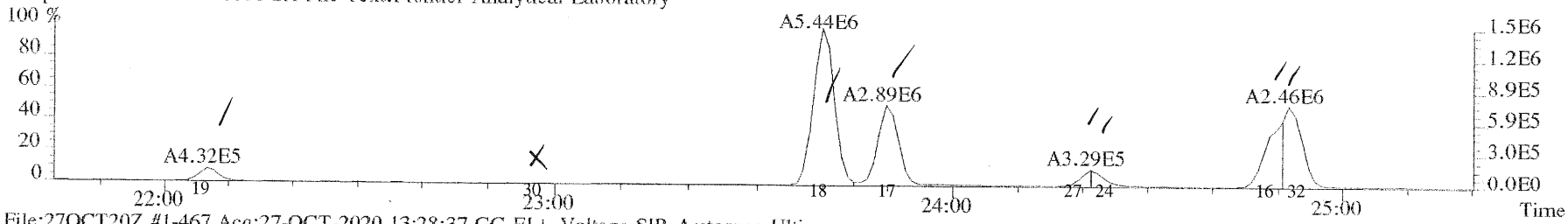
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



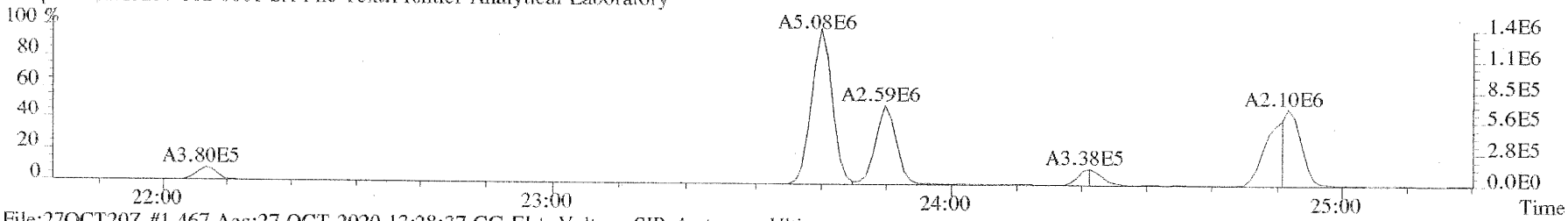
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



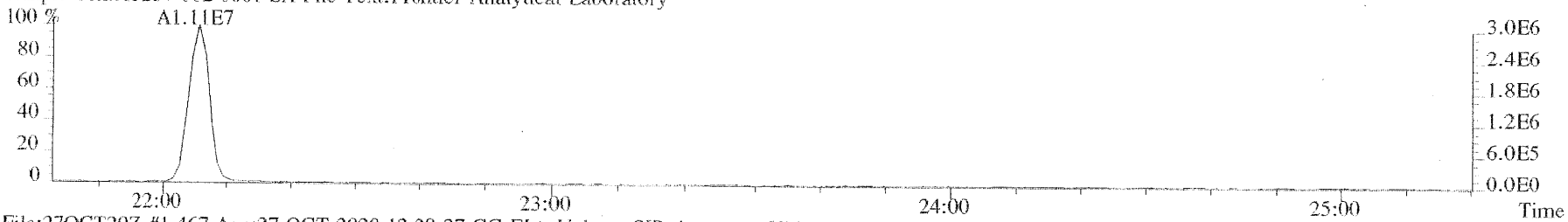
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



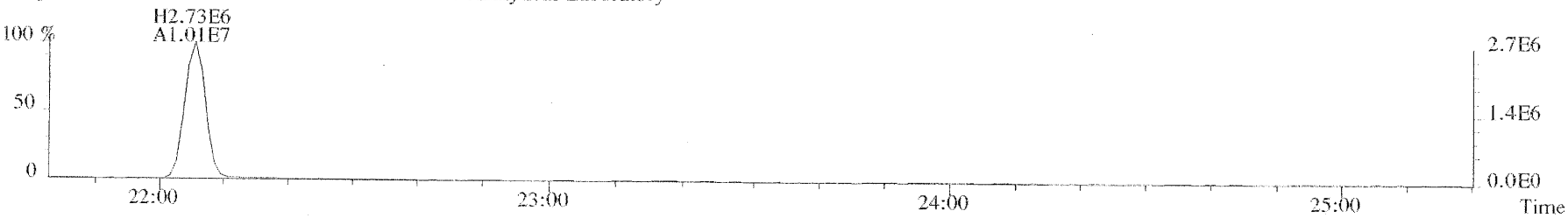
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



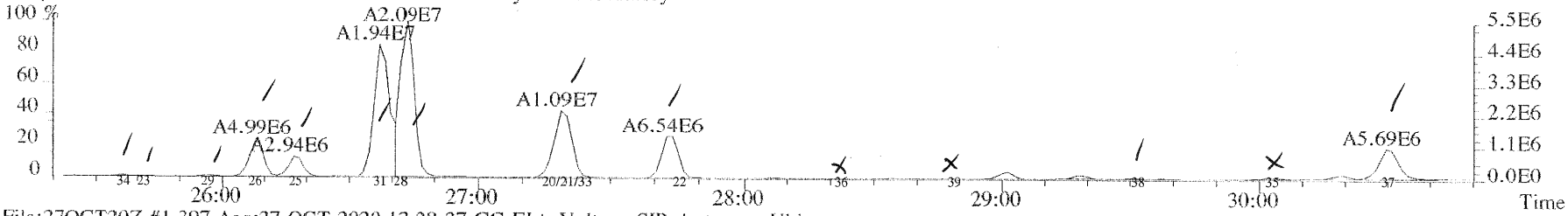
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



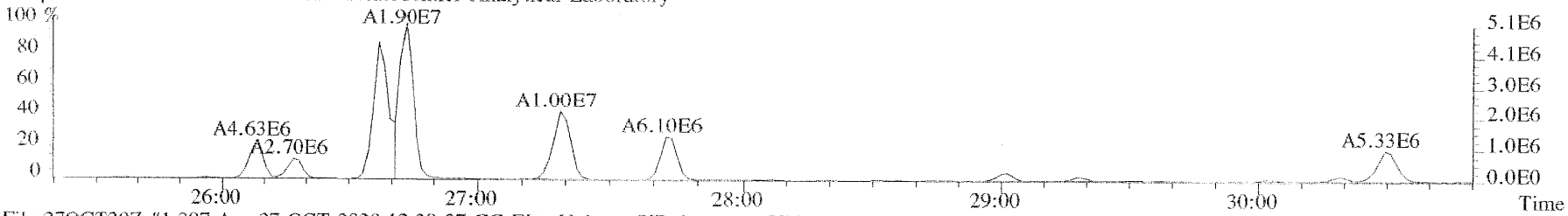
File:27OCT20Z #1-467 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



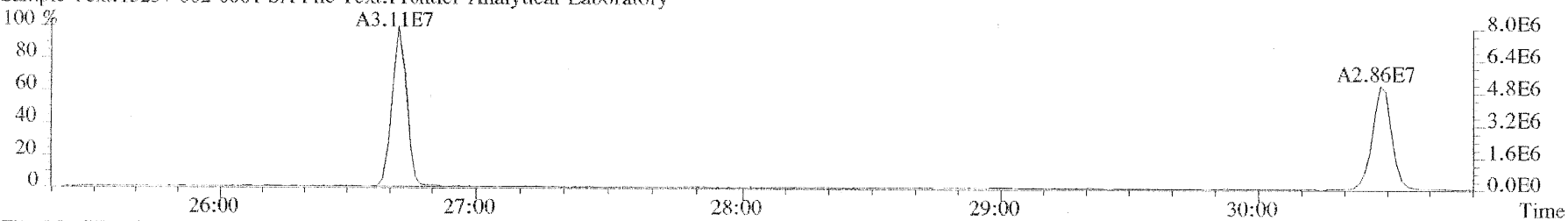
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



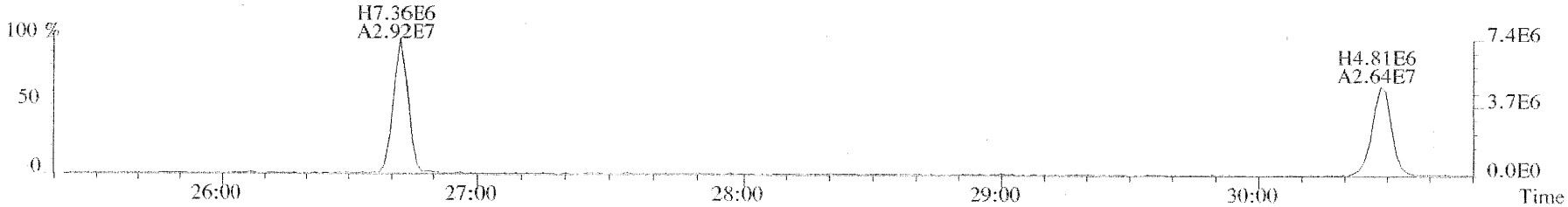
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



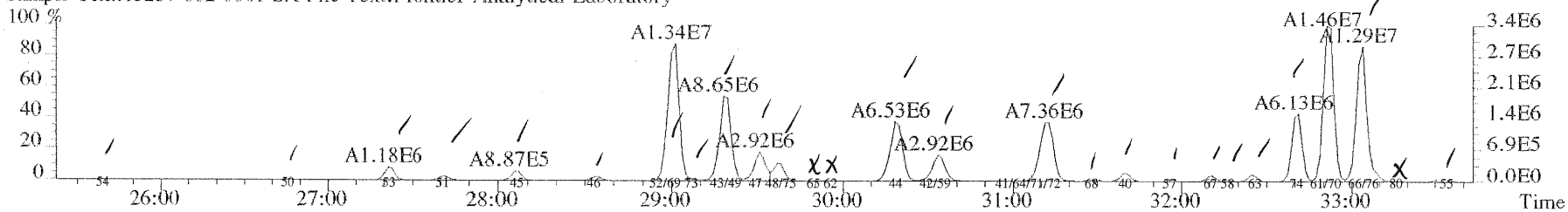
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



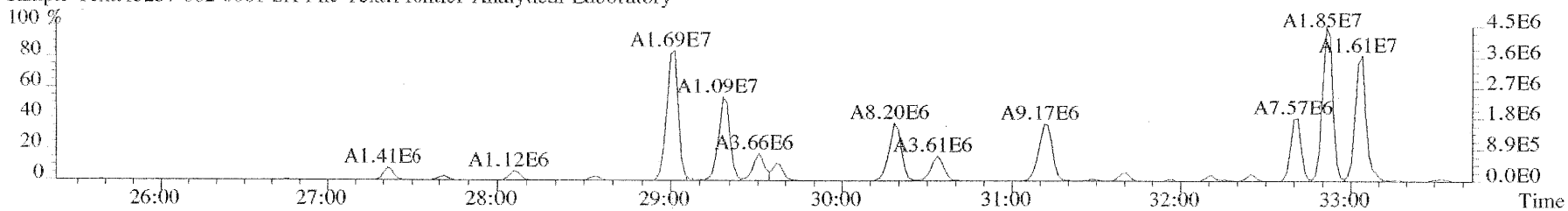
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



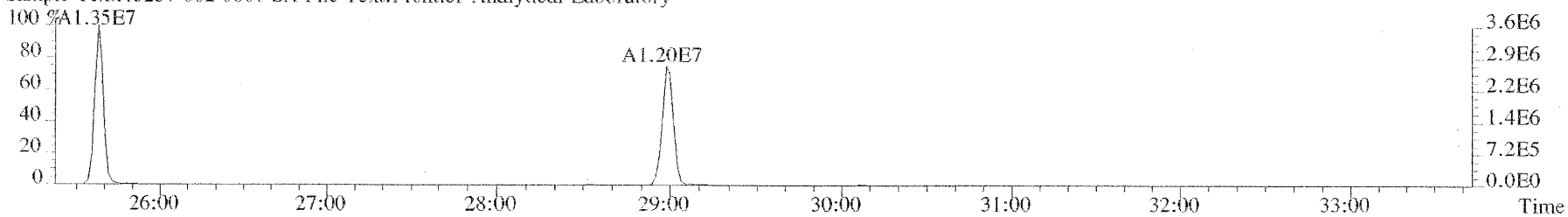
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



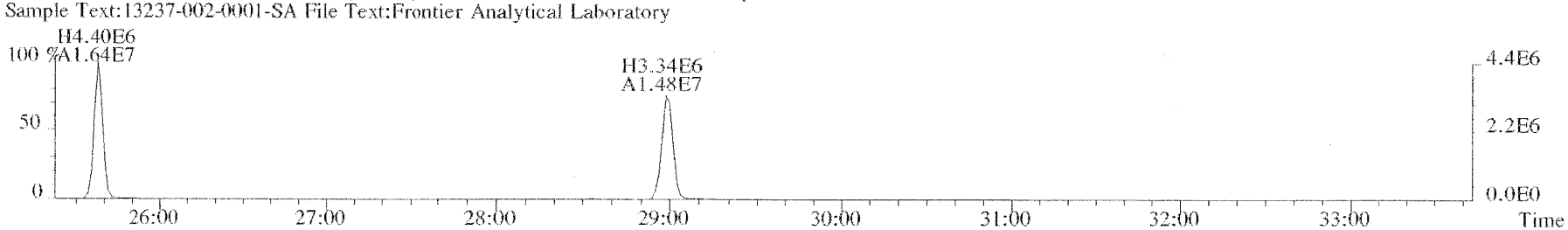
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



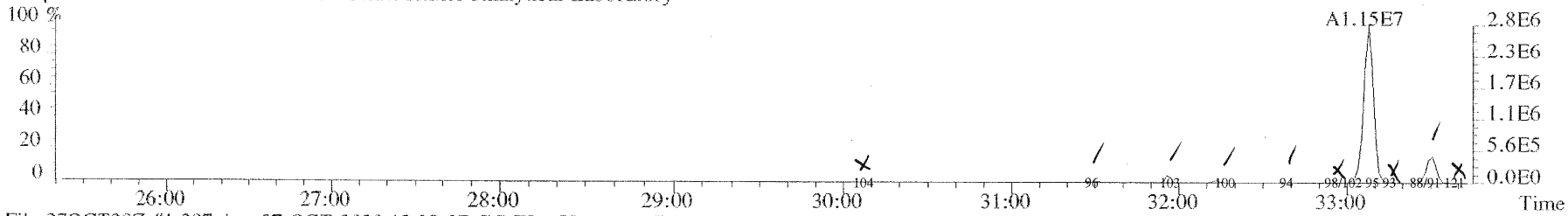
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



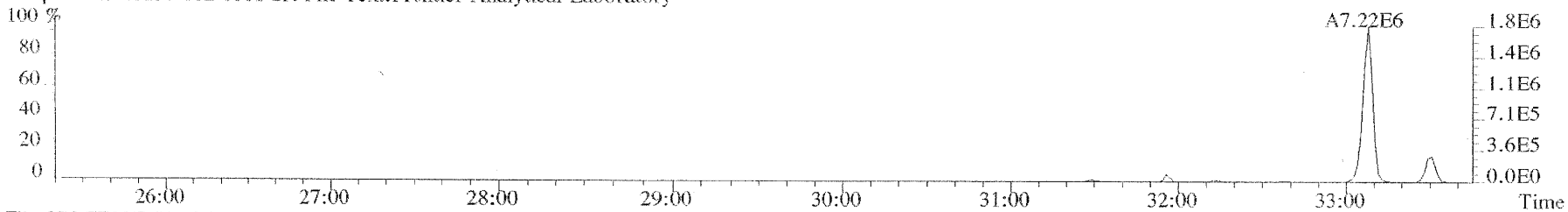
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



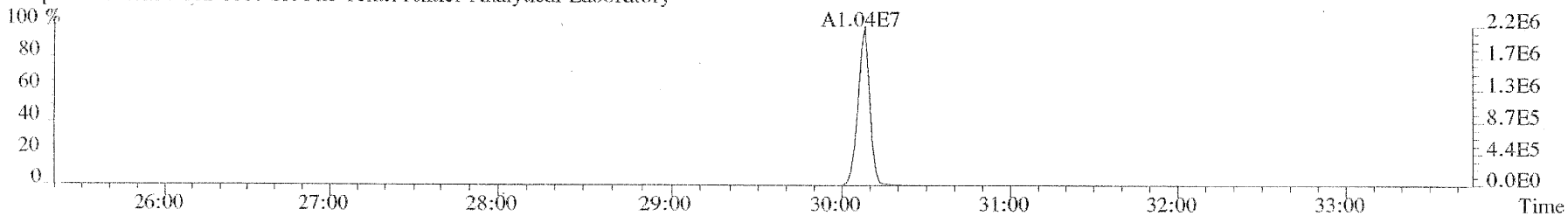
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



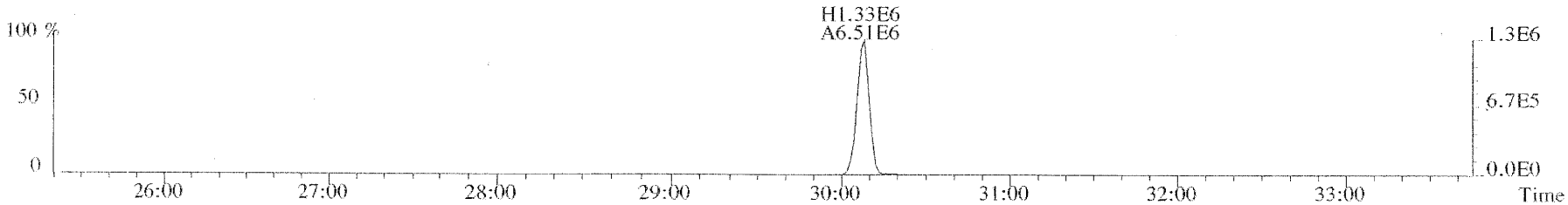
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



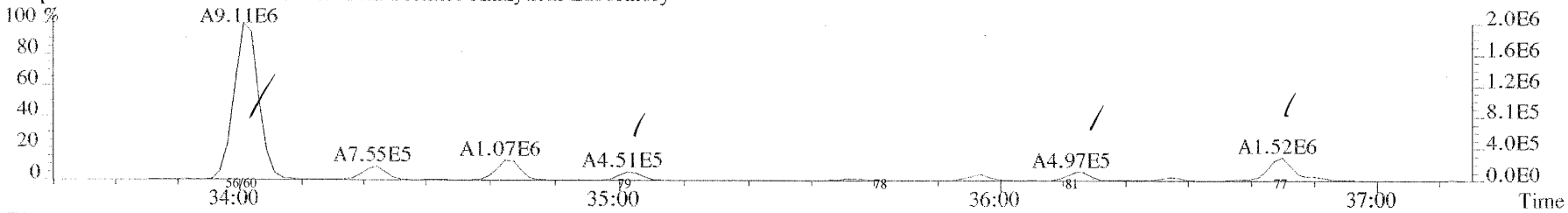
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



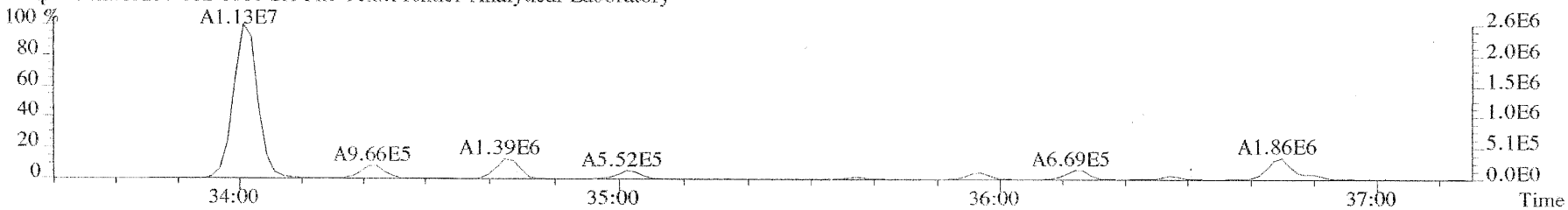
File:27OCT20Z #1-397 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



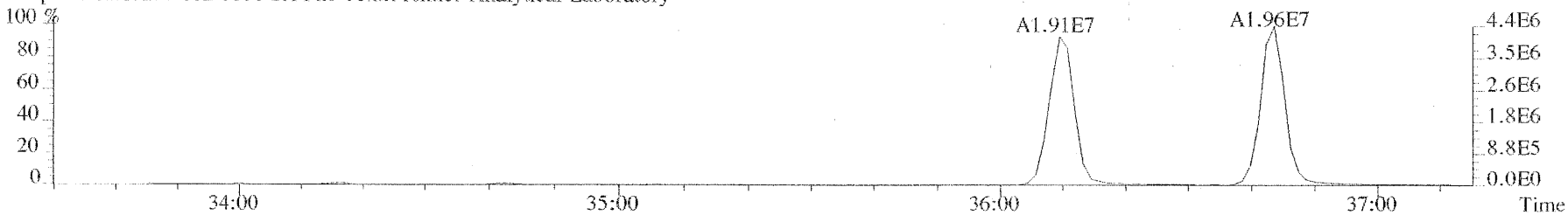
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



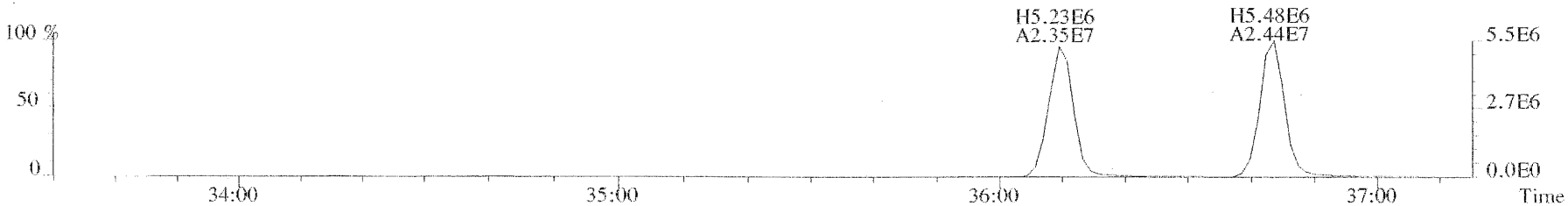
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



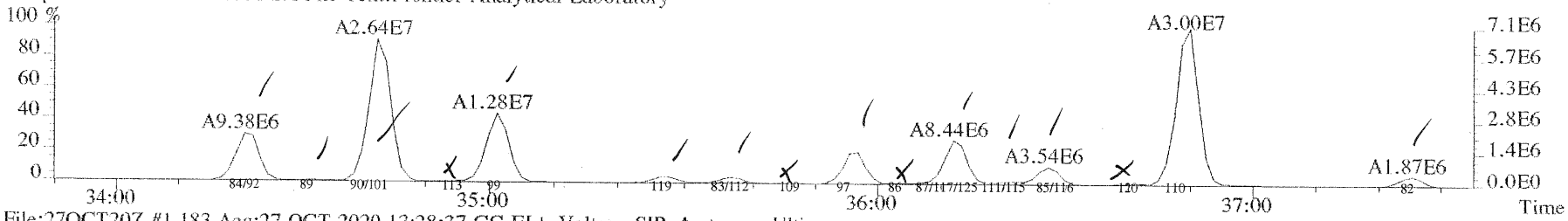
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



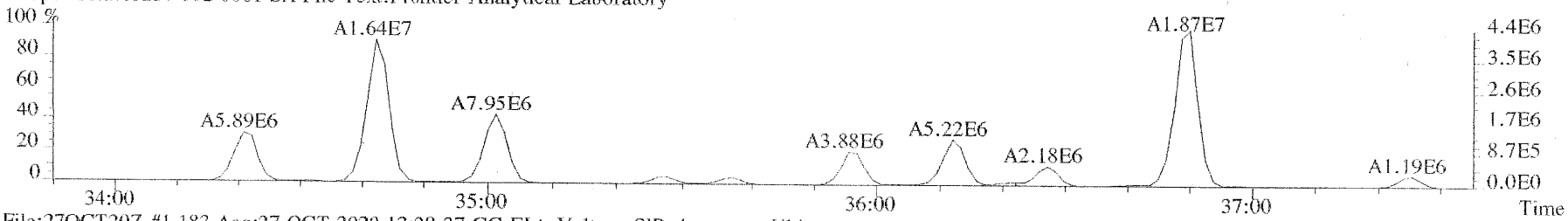
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



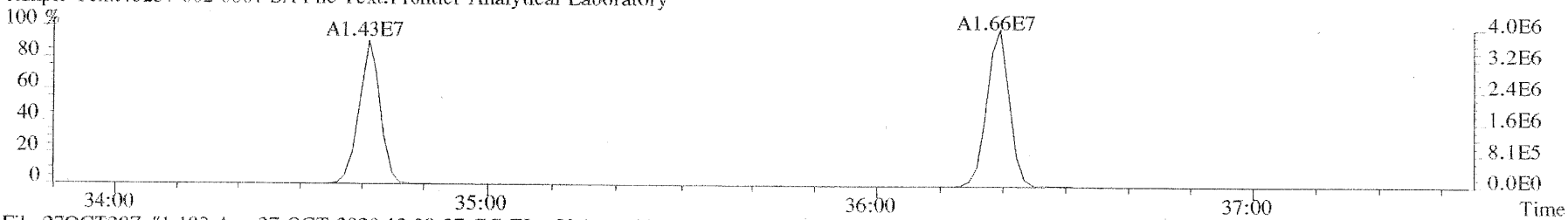
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



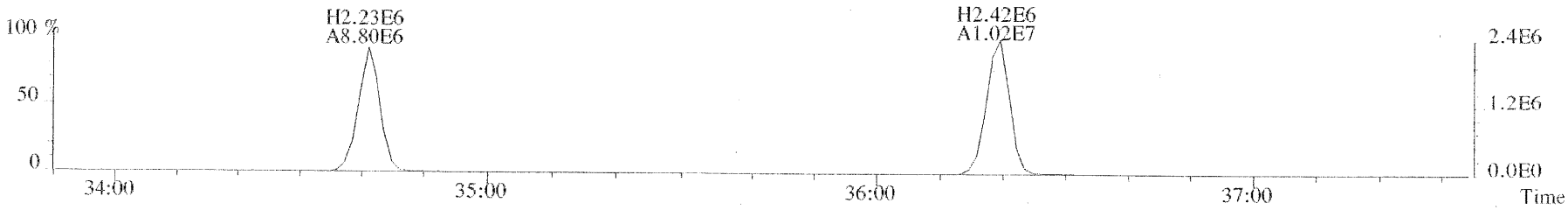
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



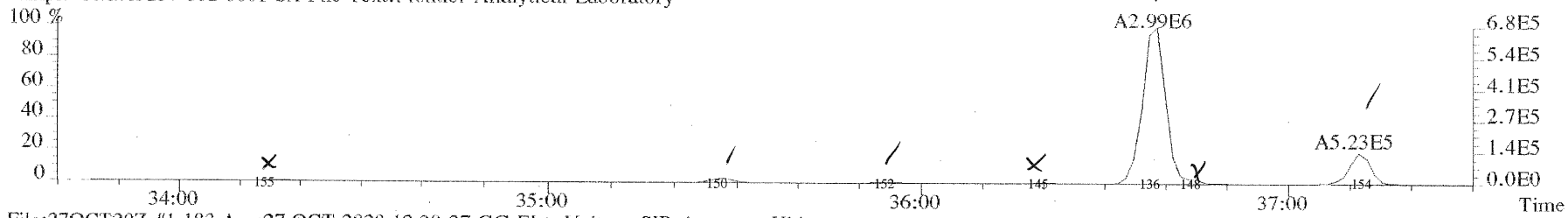
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory

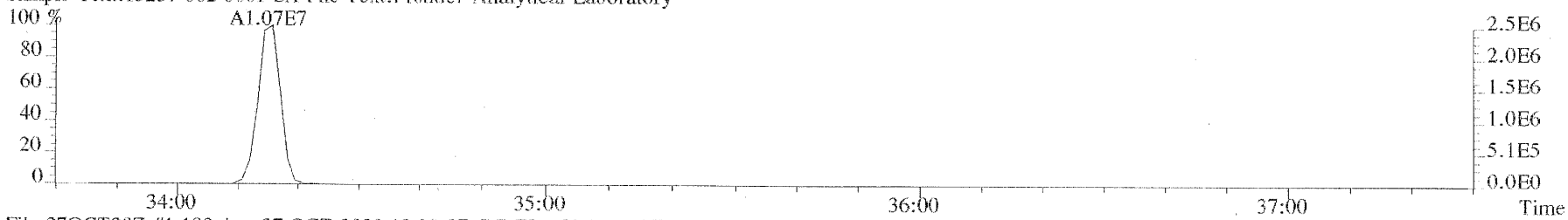


File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory

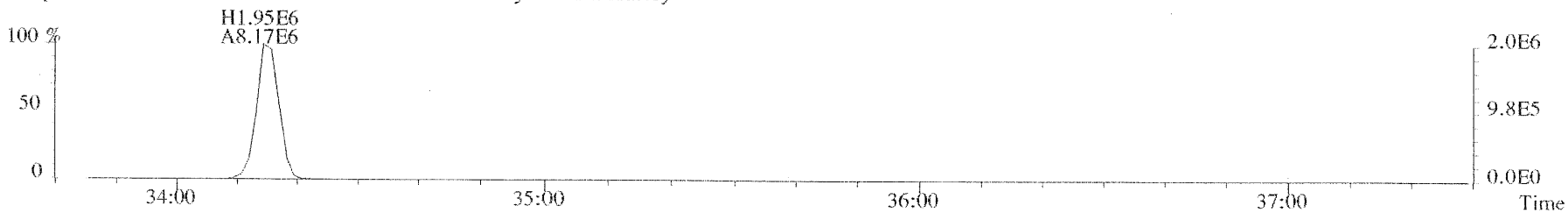


File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory

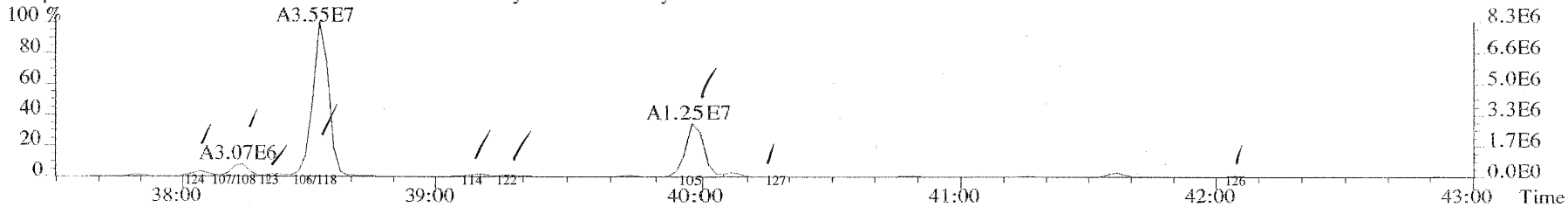
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



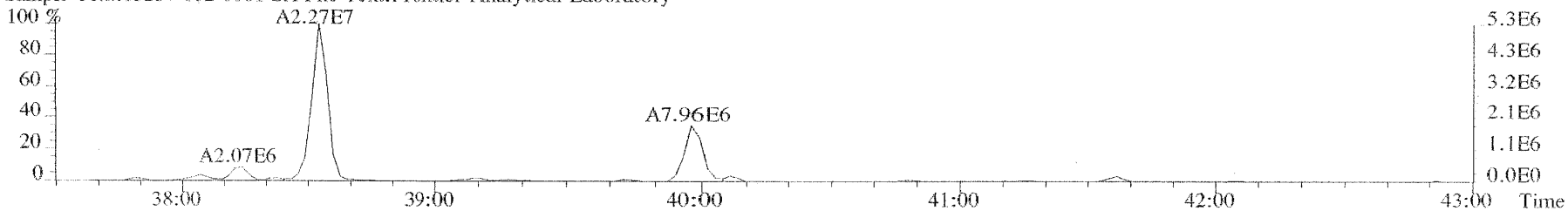
File:27OCT20Z #1-183 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



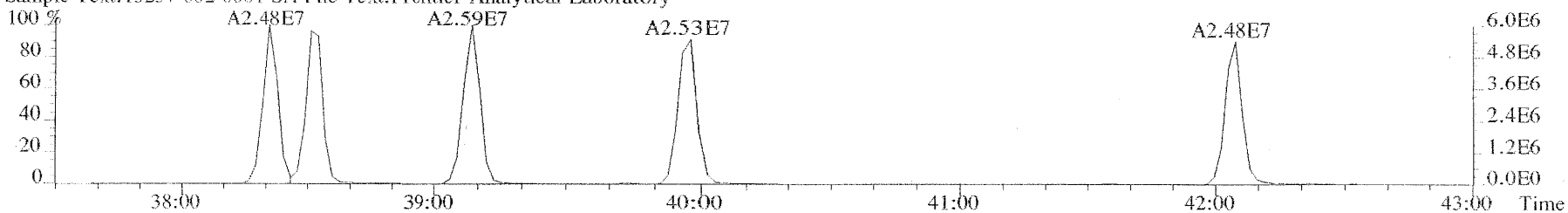
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



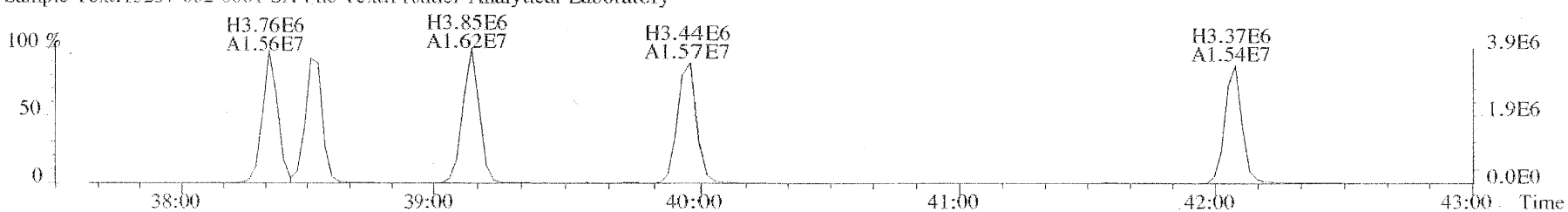
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



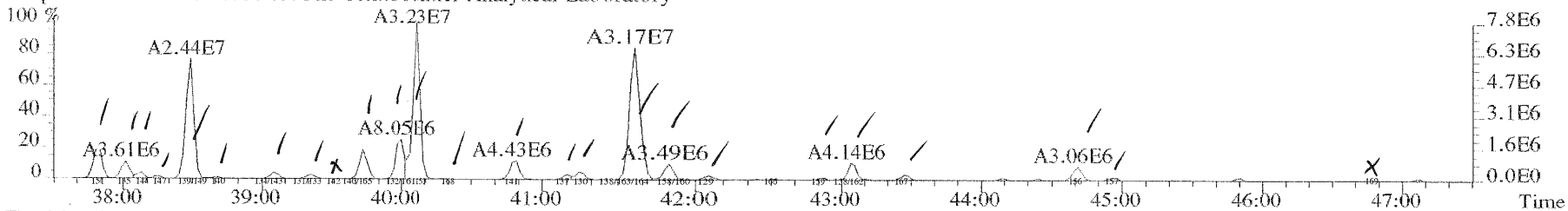
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



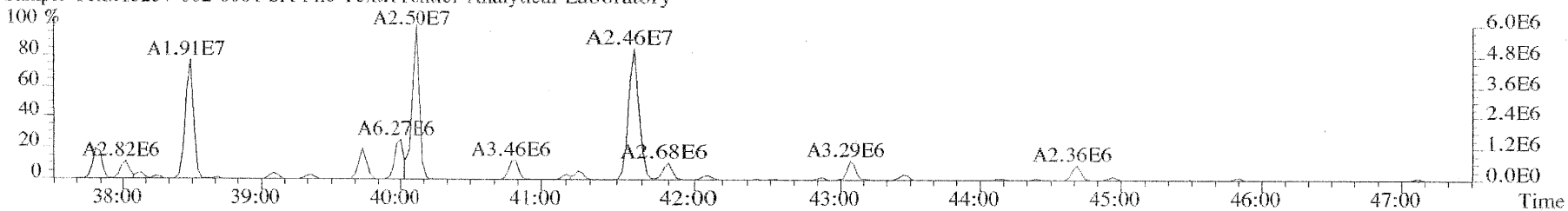
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



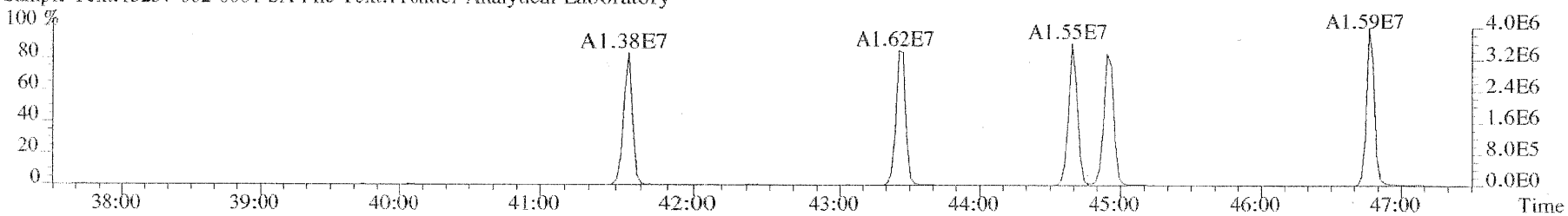
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



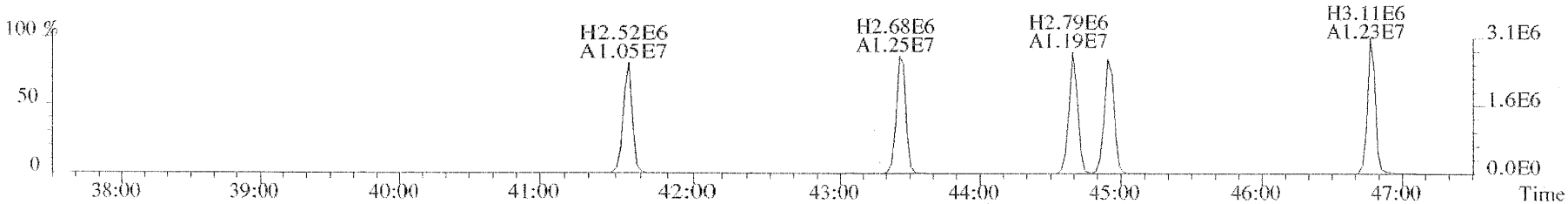
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



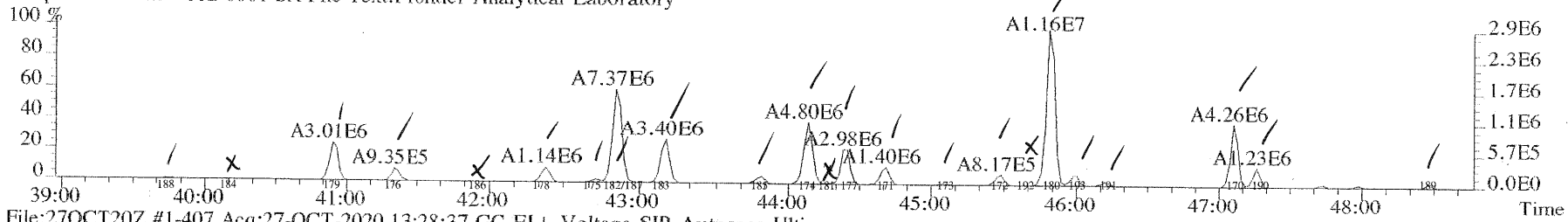
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



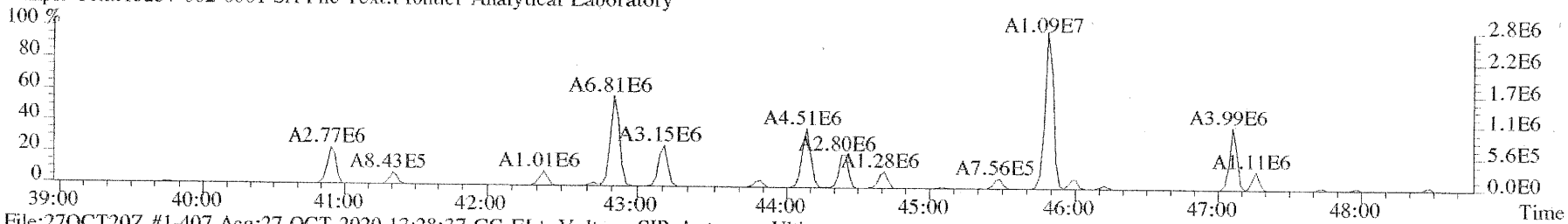
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



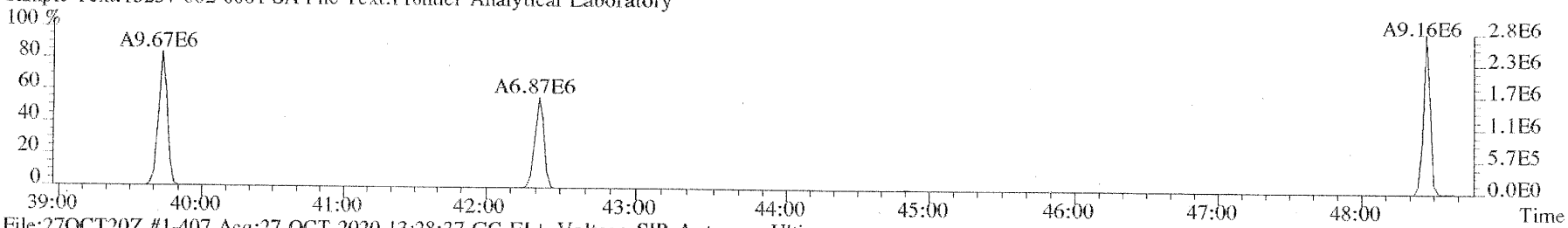
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



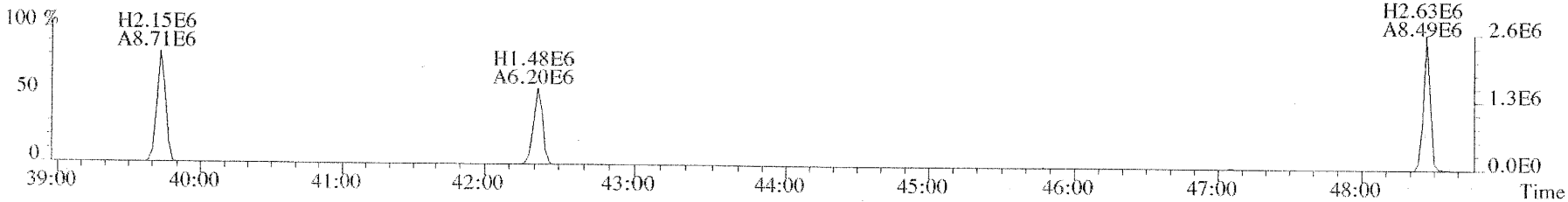
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



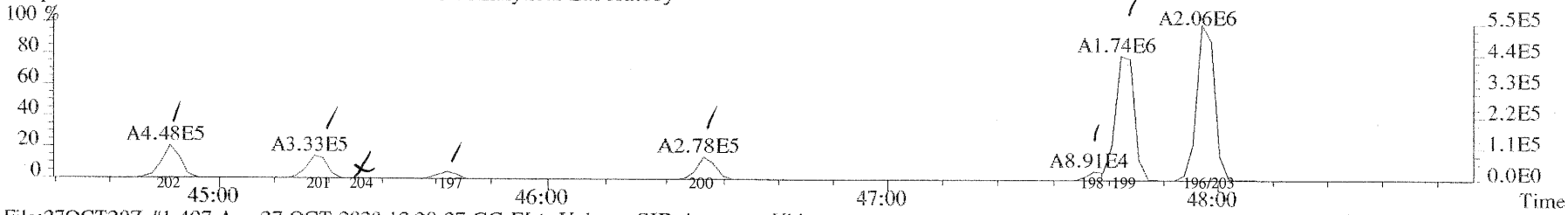
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



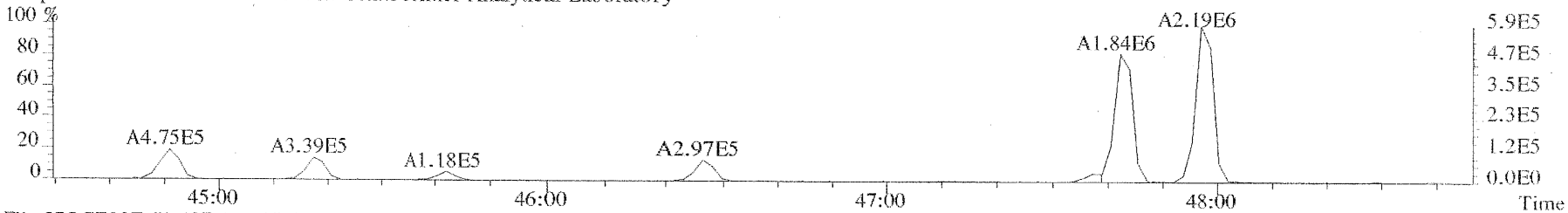
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



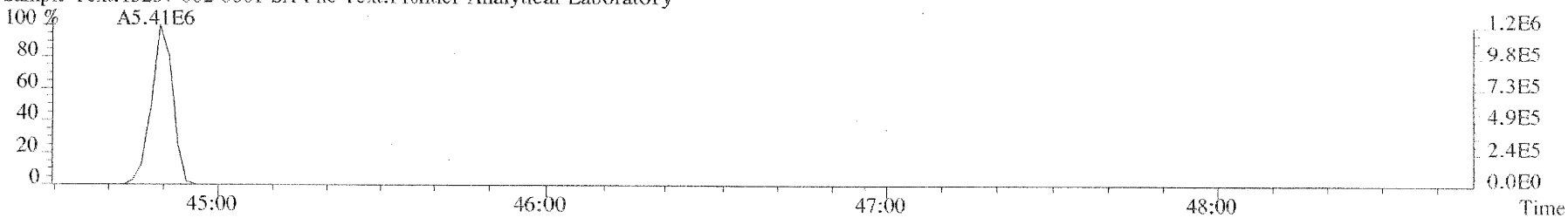
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



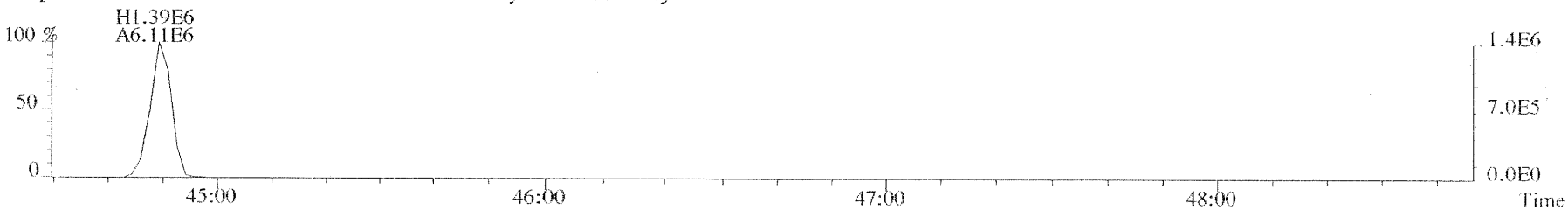
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



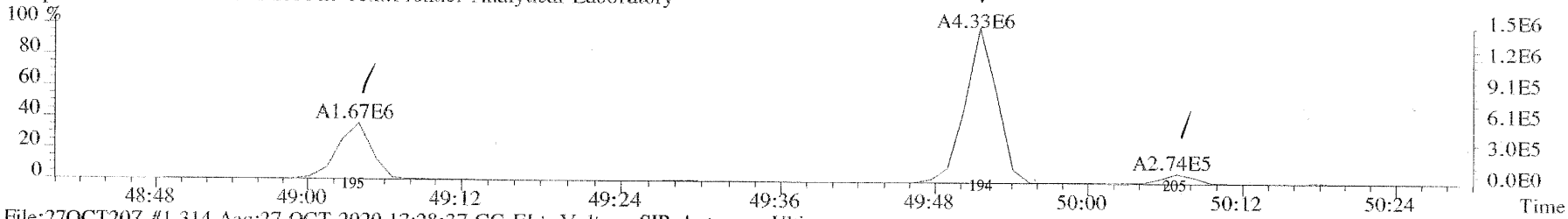
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



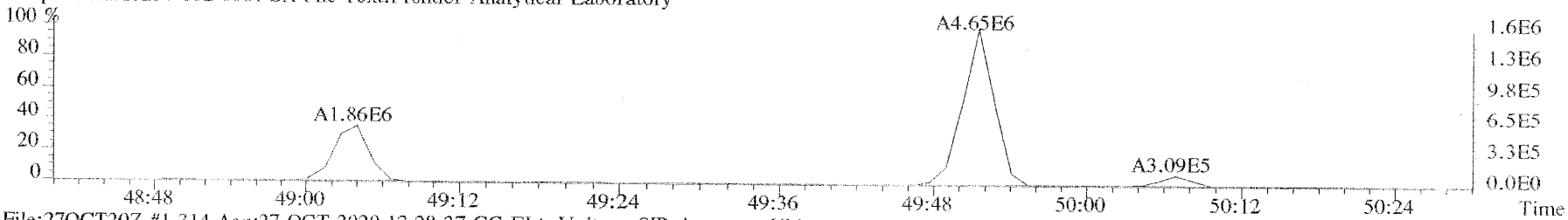
File:27OCT20Z #1-407 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



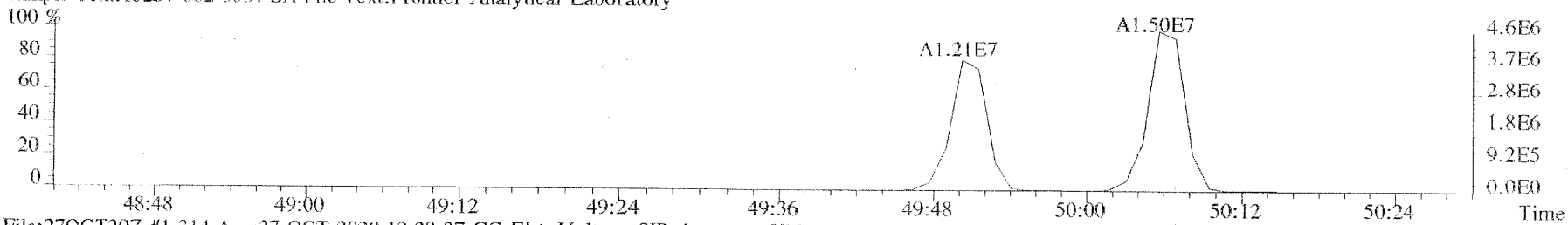
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



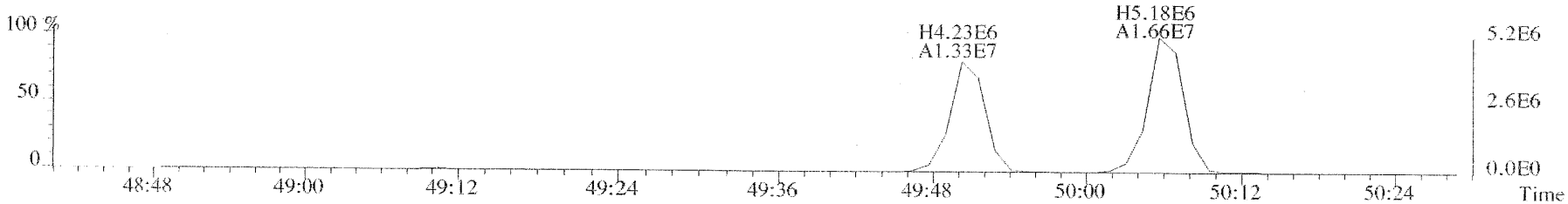
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



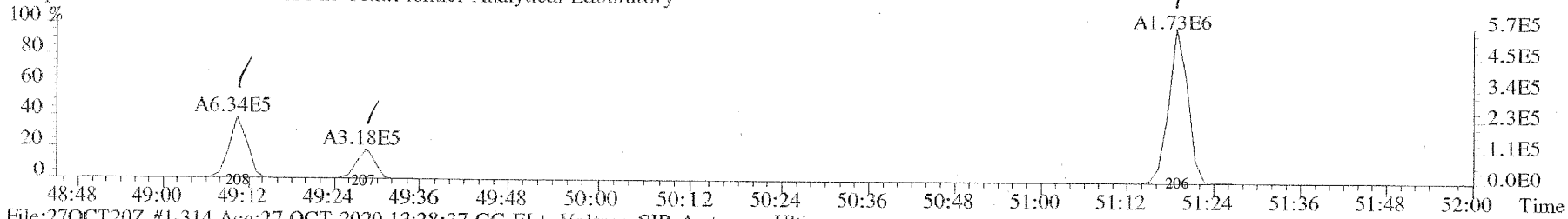
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



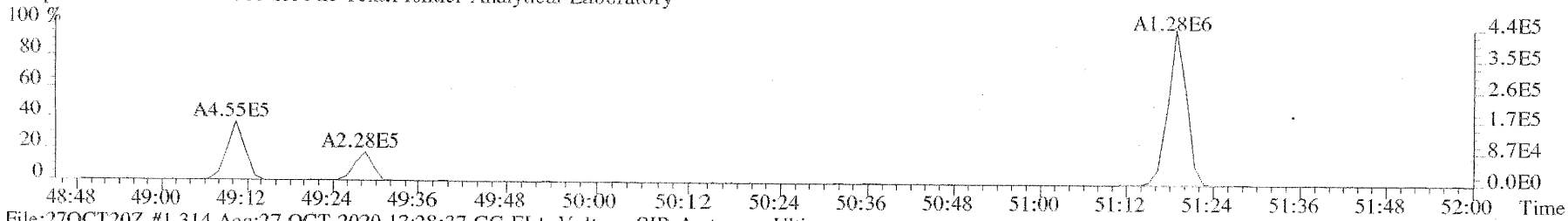
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



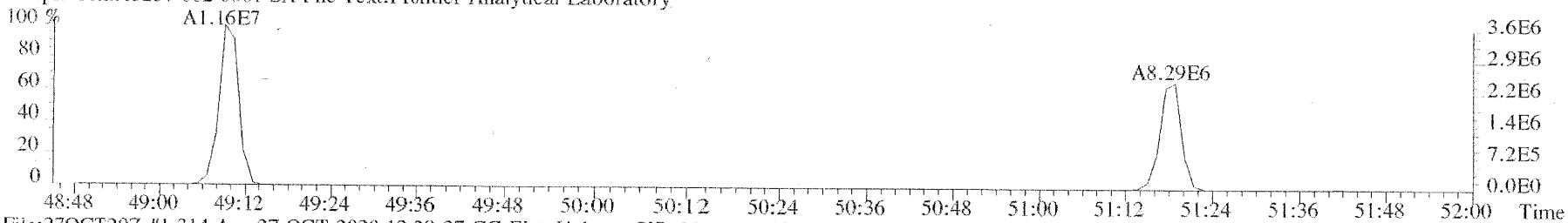
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



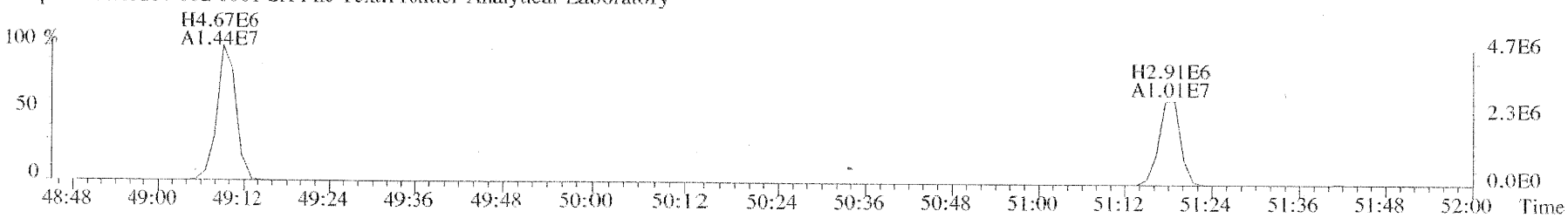
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



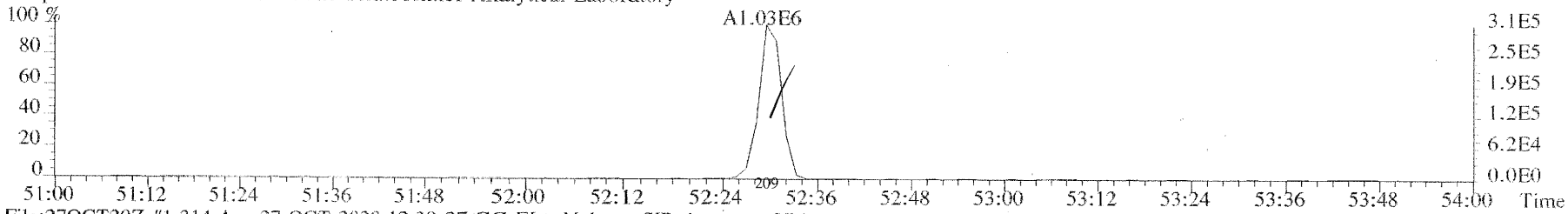
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



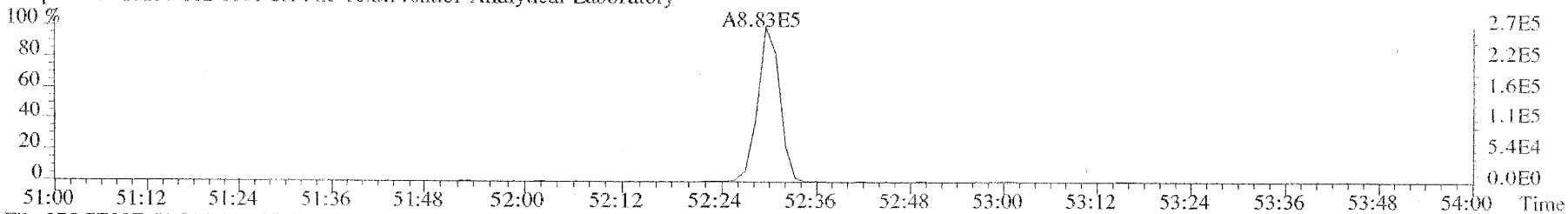
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



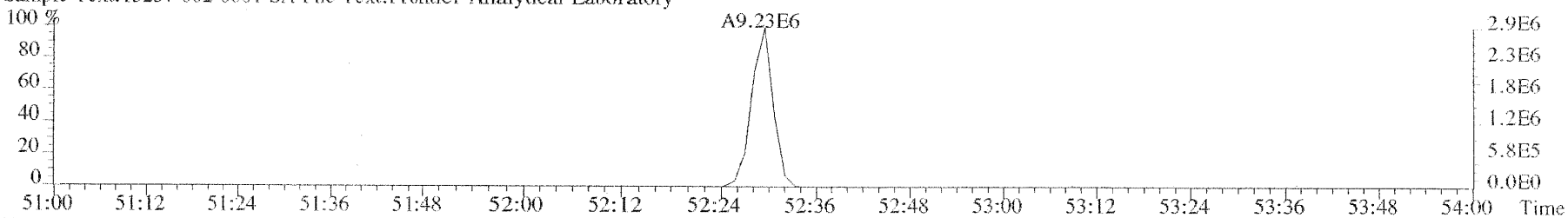
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



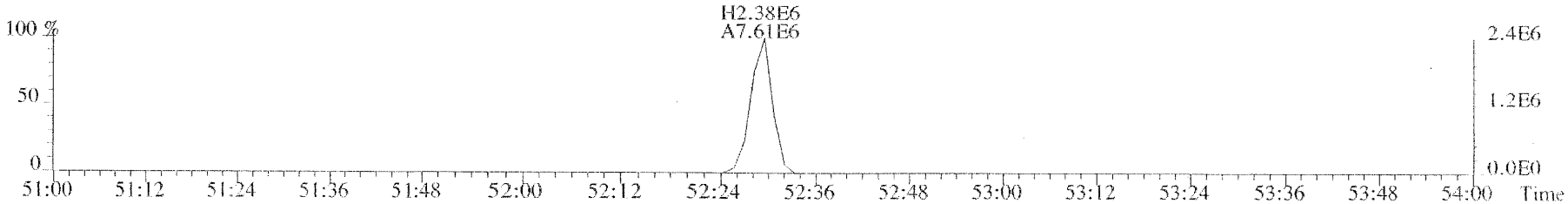
File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-002-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 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:13237-002-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 13:28:37 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:13237-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13237-003-0001-SA Filename: 27OCT20Z Sam:9 Acquired: 27-OCT-20 14:26:58 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR-CC-CORE ConCal: ST10272OZ1 EndCal: ST10272OZ2
Results: 13237 GC Column: DB1MS Amount: 10.60

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.11e+05	2.80 y	14:33	1.37	3.46		-	-	*			
13C-PCB-1	2.21e+07	3.32 y	14:32	0.75	868					92.0	5.60e+06	1.68e+06
PCB-2	1.89e+04	3.51 y	16:46	1.38	0.603	J	-	-	*			
PCB-3	7.00e+04	3.02 y	16:59	1.35	2.36		-	-	*			
13C-PCB-3	2.06e+07	3.29 y	16:58	0.74	817					86.6	4.61e+06	1.34e+06
PCB-4	8.86e+05	1.55 y	18:14	1.14	36.8		-	-	*			
PCB-10	9.37e+04	1.54 y	18:18	1.41	2.37		-	-	*			
13C-PCB-4	2.00e+07	1.60 y	18:13	0.64	917					97.2	3.68e+06	2.30e+06
PCB-9	2.62e+05	1.48 y	19:55	1.43	6.52		-	-	*			
PCB-7	2.88e+05	1.63 y	19:56	1.37	7.48		-	-	*			
PCB-6	1.23e+06	1.43 y	20:32	1.39	31.6		-	-	*			
PCB-8	5.55e+06	1.52 y	20:55	1.40	142		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		830	3400	0.951			
PCB-14	*	* n	NotFnd	1.46	*		830	3400	0.948			
PCB-11	6.34e+05	1.57 y	23:05	1.39	16.3		-	-	*			
PCB-13	1.86e+05	1.57 y	23:25	1.42	4.66		-	-	*			
PCB-12	2.39e+05	1.49 y	23:26	1.43	5.98		-	-	*			
PCB-15	2.59e+06	1.44 y	23:45	1.23	60.3		-	-	*			
13C-PCB-15	3.29e+07	1.65 y	23:44	1.07	904					95.8	5.08e+06	3.19e+06
PCB-19	2.46e+05	1.17 y	22:07	1.35	15.0		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		1720	696	0.879			
PCB-18	2.95e+06	1.08 y	23:39	1.44	169		-	-	*			
PCB-17	1.57e+06	1.10 y	23:50	1.51	85.1		-	-	*			
PCB-27	1.57e+05	1.16 y	24:20	1.99	6.47		-	-	*			
PCB-24	2.11e+05	1.07 y	24:21	1.96	8.83		-	-	*			
PCB-16	8.67e+05	1.03 y	24:50	1.60	44.4		-	-	*			
PCB-32	1.43e+06	1.17 y	24:51	1.78	66.2		-	-	*			
13C-PCB-19	1.15e+07	1.15 y	22:06	0.39	871					92.3	1.65e+06	1.50e+06
13C-PCB-9	3.20e+07	1.63 y	19:53	-	5.18							
PCB-34	7.25e+04	1.12 y	25:38	1.14	2.15		-	-	*			
PCB-23	*	* n	NotFnd	1.29	*		1050	932	0.563			
PCB-29	8.95e+04	1.04 y	25:57	1.28	2.36		-	-	*			
PCB-26	1.60e+06	1.10 y	26:08	1.26	42.7		-	-	*			
PCB-25	9.71e+05	1.14 y	26:17	1.19	27.6		-	-	*			
PCB-31	7.25e+06	1.09 y	26:37	1.33	183		-	-	*			
PCB-28	9.97e+06	1.06 y	26:43	1.36	247		-	-	*			
PCB-20	5.67e+06	1.05 y	27:19	1.20	159		-	-	*		Co-elute PCB 21/33	
PCB-21	5.67e+06	1.05 y	27:19	1.20	159		-	-	*		Co-elute PCB 20/33	
PCB-33	5.67e+06	1.05 y	27:19	1.20	159		-	-	*		Co-elute PCB 20/21	
PCB-22	3.21e+06	1.06 y	27:43	1.29	84.1		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1050	932	0.576			
PCB-39	*	* n	NotFnd	1.28	*		1050	932	0.568			
PCB-38	6.36e+04	1.16 y	29:30	1.34	1.60	J	-	-	*			
PCB-35	1.66e+05	1.10 y	30:01	1.23	4.55		-	-	*			
PCB-37	2.48e+06	1.05 y	30:25	1.25	66.9		-	-	*			
13C-PCB-37	2.79e+07	1.20 y	30:23	1.93	947					100	3.40e+06	3.00e+06

PCB-54	*	*	n	NotFnd	1.33	*		908	1080	0.806			
PCB-50	*	*	n	NotFnd	1.10	*		908	1080	0.971			
PCB-53	4.41e+05	0.80	y	27:21	1.08	23.7		-	-	*			
PCB-51	1.71e+05	0.70	y	27:40	1.11	8.97		-	-	*			
PCB-45	4.19e+05	0.70	y	28:05	0.96	25.3		-	-	*			
PCB-46	1.46e+05	0.85	y	28:33	0.92	9.21		-	-	*			
PCB-52	4.30e+06	0.79	y	29:00	1.11	224		-	-	*		Co-elute PCB 69	
PCB-69	4.30e+06	0.79	y	29:00	1.11	224		-	-	*		Co-elute PCB 52	
PCB-73	5.27e+04	0.77	y	29:06	1.45	2.11		-	-	*			
PCB-43	2.78e+06	0.78	y	29:16	1.05	154		-	-	*		Co-elute PCB 49	
PCB-49	2.78e+06	0.78	y	29:16	1.05	154		-	-	*		Co-elute PCB 43	
PCB-47	1.01e+06	0.76	y	29:29	1.09	53.8		-	-	*			
PCB-48	8.20e+05	0.78	y	29:37	1.31	36.3		-	-	*		Co-elute PCB 75	
PCB-75	8.20e+05	0.78	y	29:37	1.31	36.3		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.35	*		908	1080	0.796			
PCB-62	*	*	n	NotFnd	1.35	*		908	1080	0.796			
PCB-44	2.56e+06	0.77	y	30:14	0.91	162		-	-	*			
PCB-42	1.22e+06	0.76	y	30:27	1.13	62.3		-	-	*		Co-elute PCB 59	
PCB-59	1.22e+06	0.76	y	30:27	1.13	62.3		-	-	*		Co-elute PCB 42	
PCB-72	3.19e+06	0.78	y	31:00	1.27	146		-	-	*		Co-elute PCB 41/71/64	
PCB-41	3.19e+06	0.78	y	31:00	1.27	146		-	-	*		Co-elute PCB 72/71/64	
PCB-71	3.19e+06	0.78	y	31:00	1.27	146		-	-	*		Co-elute PCB 72/41/64	
PCB-64	3.19e+06	0.78	y	31:00	1.27	146		-	-	*		Co-elute PCB 72/41/71	
PCB-68	5.45e+04	0.68	y	31:14	1.48	2.14		-	-	*			
PCB-40	4.42e+05	0.75	y	31:27	0.82	31.4		-	-	*			
PCB-57	3.77e+04	0.70	y	31:47	1.40	1.56	J	-	-	*			
PCB-67	1.65e+05	0.82	y	32:04	1.44	6.62		-	-	*			
PCB-58	2.61e+04	0.82	y	32:09	1.35	1.11	J	-	-	*			
PCB-63	1.91e+05	0.78	y	32:20	1.41	7.81		-	-	*			
PCB-74	2.31e+06	0.79	y	32:36	1.44	93.0		-	-	*			
PCB-61	5.16e+06	0.80	y	32:47	1.29	231		-	-	*		Co-elute PCB 70	
PCB-70	5.16e+06	0.80	y	32:47	1.29	231		-	-	*		Co-elute PCB 61	
PCB-76	4.62e+06	0.79	y	33:00	1.45	184		-	-	*		Co-elute PCB 66	
PCB-66	4.62e+06	0.79	y	33:00	1.45	184		-	-	*		Co-elute PCB 76	
PCB-80	5.96e+04	0.73	y	33:18	1.63	2.12		-	-	*			
PCB-55	1.32e+05	0.83	y	33:30	1.44	5.30		-	-	*			
13C-PCB-54	1.63e+07	0.82	y	25:38	1.12	951					101	1.94e+06	2.44e+06
PCB-104	*	*	n	NotFnd	1.23	*		392	420	0.633			
PCB-96	2.75e+04	1.49	y	31:16	1.21	2.21		-	-	*			
PCB-103	4.11e+04	1.70	y	31:47	1.03	3.88		-	-	*			
PCB-100	1.77e+04	1.58	y	32:06	1.04	1.66	J	-	-	*			
PCB-94	1.96e+04	1.37	y	32:34	0.87	2.20		-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		392	420	0.911		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.86	*		392	420	0.911		Co-elute PCB 98	
PCB-95	2.31e+06	1.54	y	33:04	1.01	222		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		392	420	0.911			
PCB-88	4.20e+05	1.53	y	33:27	0.96	42.4		-	-	*		Co-elute PCB 91	
PCB-91	4.20e+05	1.53	y	33:27	0.96	42.4		-	-	*		Co-elute PCB 88	
PCB-121	*	*	n	NotFnd	1.15	*		392	420	0.677			
13C-PCB-104	9.69e+06	1.61	y	30:06	0.70	900					95.4	1.50e+06	9.44e+05
13C-PCB-28	3.11e+07	1.03	y	26:42	2.24	909					96.3	3.84e+06	3.67e+06
13C-PCB-52	1.44e+07	0.81	y	28:59	-	4.99							

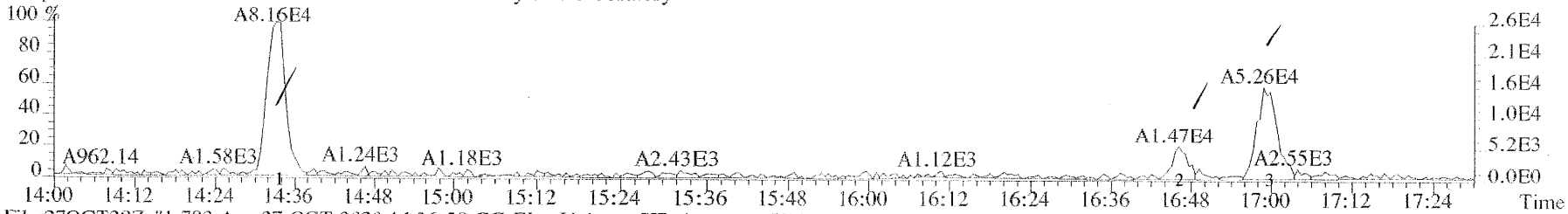
PCB-56	3.80e+06	0.83 y	33:58	1.24	126	-	-	*		Co-elute PCB 60	
PCB-60	3.80e+06	0.83 y	33:58	1.24	126	-	-	*		Co-elute PCB 56	
PCB-79	1.30e+05	0.68 y	34:59	1.31	4.10	-	-	*			
PCB-78	*	* n	NotFnd	1.31	*	950	1350	0.827			
PCB-81	1.90e+05	0.80 y	36:11	1.37	5.83	-	-	*			
13C-PCB-81	2.24e+07	0.80 y	36:08	1.87	874				92.6	2.23e+06	2.73e+06
PCB-77	5.61e+05	0.82 y	36:44	1.25	18.1	-	-	*			
13C-PCB-77	2.34e+07	0.82 y	36:42	1.90	899				95.3	2.25e+06	2.78e+06
PCB-155	*	* n	NotFnd	1.14	*	610	556	0.889			
PCB-150	*	* n	NotFnd	1.15	*	610	556	0.888			
PCB-152	*	* n	NotFnd	1.12	*	610	556	0.911			
PCB-145	*	* n	NotFnd	1.10	*	610	556	0.927			
PCB-136	5.59e+05	1.25 y	36:36	1.05	45.2	-	-	*			
PCB-148	*	* n	NotFnd	0.92	*	610	556	1.11			
PCB-154	5.91e+04	1.41 y	37:09	1.01	4.95	-	-	*			
13C-PCB-155	1.11e+07	1.26 y	34:12	0.94	858				91.0	1.51e+06	1.19e+06
13C-PCB-111	1.54e+07	1.61 y	36:17	1.27	887				94.0	2.36e+06	1.44e+06
13C-PCB-101	1.29e+07	1.61 y	34:38	-	5.34						
PCB-84	1.82e+06	1.65 y	34:19	0.61	125	-	-	*		Co-elute PCB 92	
PCB-92	1.82e+06	1.65 y	34:19	0.61	125	-	-	*		Co-elute PCB 84	
PCB-89	5.86e+04	1.58 y	34:30	0.59	4.12	-	-	*			
PCB-90	5.03e+06	1.59 y	34:40	0.69	303	-	-	*		Co-elute PCB 101	
PCB-101	5.03e+06	1.59 y	34:40	0.69	303	-	-	*		Co-elute PCB 90	
PCB-113	*	* n	NotFnd	0.82	*	820	800	0.890			
PCB-99	2.24e+06	1.63 y	34:59	0.74	126	-	-	*			
PCB-119	1.40e+05	1.51 y	35:25	0.91	6.42	-	-	*			
PCB-83	2.42e+05	1.64 y	35:35	0.72	14.0	-	-	*		Co-elute PCB 112	
PCB-112	2.42e+05	1.64 y	35:35	0.72	14.0	-	-	*		Co-elute PCB 83	
PCB-109	*	* n	NotFnd	0.84	*	820	800	0.862			
PCB-97	1.32e+06	1.60 y	35:54	0.60	91.8	-	-	*			
PCB-86	*	* n	NotFnd	0.57	*	820	800	1.28			
PCB-125	2.06e+06	1.57 y	36:11	0.81	105	-	-	*		Co-elute PCB 87/117	
PCB-87	2.06e+06	1.57 y	36:11	0.81	105	-	-	*		Co-elute PCB 125/117	
PCB-117	2.06e+06	1.57 y	36:11	0.81	105	-	-	*		Co-elute PCB 125/87	
PCB-111	1.14e+05	1.52 y	36:18	0.89	5.36	-	-	*		Co-elute PCB 115	
PCB-115	1.14e+05	1.52 y	36:18	0.89	5.36	-	-	*		Co-elute PCB 111	
PCB-85	7.83e+05	1.61 y	36:25	0.77	42.4	-	-	*		Co-elute PCB 116	
PCB-116	7.83e+05	1.61 y	36:25	0.77	42.4	-	-	*		Co-elute PCB 85	
PCB-120	*	* n	NotFnd	0.94	*	820	800	0.775			
PCB-110	5.93e+06	1.58 y	36:47	0.89	277	-	-	*			
PCB-82	4.21e+05	1.62 y	37:23	0.56	31.4	-	-	*			
PCB-124	3.45e+05	1.41 y	38:03	1.25	11.5	-	-	*			
PCB-108	5.35e+05	1.64 y	38:13	1.18	18.9	-	-	*		Co-elute PCB 107	
PCB-107	5.35e+05	1.64 y	38:13	1.18	18.9	-	-	*		Co-elute PCB 108	
PCB-123	1.33e+05	1.53 y	38:21	1.08	5.38	-	-	*			
13C-PCB-123	2.17e+07	1.59 y	38:19	1.54	914				96.9	3.43e+06	2.12e+06
PCB-118	7.06e+06	1.57 y	38:31	1.17	238	-	-	*		Co-elute PCB 106	
PCB-106	7.06e+06	1.57 y	38:31	1.17	238	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.40e+07	1.63 y	38:29	1.60	970				103	3.34e+06	2.06e+06
PCB-114	1.84e+05	1.54 y	39:09	1.19	6.48	-	-	*			
13C-PCB-114	2.25e+07	1.58 y	39:07	1.57	926				98.2	3.32e+06	2.14e+06
PCB-122	9.45e+04	1.48 y	39:15	1.23	3.22	-	-	*			
PCB-105	2.83e+06	1.44 y	39:56	1.24	96.9	-	-	*			
13C-PCB-105	2.22e+07	1.61 y	39:56	1.52	946				100	2.89e+06	1.79e+06

PCB-127	*	*	n	NotFnd	1.16	*		1180	1090	0.878			
PCB-126	3.71e+04	1.62	y	42:03	1.18	1.38	J	-	-	*			
13C-PCB-126	2.14e+07	1.59	y	42:03	1.57	883					93.6	2.83e+06	1.76e+06
PCB-151	1.15e+06	1.29	y	37:46	0.98	68.6		-	-	*			
PCB-135	6.61e+05	1.24	y	37:59	0.91	42.4		-	-	*			
PCB-144	2.91e+05	1.33	y	38:06	1.12	15.2		-	-	*			
PCB-147	1.36e+05	1.36	y	38:13	1.01	7.87		-	-	*			
PCB-139	4.33e+06	1.28	y	38:27	1.05	242		-	-	*		Co-elute PCB 149	
PCB-149	4.33e+06	1.28	y	38:27	1.05	242		-	-	*		Co-elute PCB 139	
PCB-140	6.30e+04	1.12	y	38:39	1.04	3.54		-	-	*			
PCB-143	2.92e+05	1.32	y	39:04	0.89	19.3		-	-	*		Co-elute PCB 134	
PCB-134	2.92e+05	1.32	y	39:04	0.89	19.3		-	-	*		Co-elute PCB 143	
PCB-131	1.72e+05	1.35	y	39:18	0.89	11.3		-	-	*		Co-elute PCB 133	
PCB-133	1.72e+05	1.35	y	39:18	0.89	11.3		-	-	*		Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.87	*		870	780	1.24			
PCB-165	8.39e+05	1.26	y	39:41	1.16	42.3		-	-	*		Co-elute PCB 146	
PCB-146	8.39e+05	1.26	y	39:41	1.16	42.3		-	-	*		Co-elute PCB 165	
PCB-161	1.52e+06	1.25	y	39:58	1.06	83.5		-	-	*		Co-elute PCB 132	
PCB-132	1.52e+06	1.25	y	39:58	1.06	83.5		-	-	*		Co-elute PCB 161	
PCB-153	5.63e+06	1.28	y	40:05	1.23	268		-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*		870	780	0.859			
PCB-141	1.00e+06	1.30	y	40:47	1.00	58.6		-	-	*			
PCB-137	2.19e+05	1.28	y	41:09	0.98	13.1		-	-	*			
PCB-130	3.49e+05	1.33	y	41:14	0.94	21.6		-	-	*			
PCB-138	6.33e+06	1.31	y	41:35	1.16	320		-	-	*		Co-elute PCB 163/164	
PCB-163	6.33e+06	1.31	y	41:35	1.16	320		-	-	*		Co-elute PCB 138/164	
PCB-164	6.33e+06	1.31	y	41:35	1.16	320		-	-	*		Co-elute PCB 138/163	
PCB-158	8.15e+05	1.33	y	41:48	1.32	36.2		-	-	*		Co-elute PCB 160	
PCB-160	8.15e+05	1.33	y	41:48	1.32	36.2		-	-	*		Co-elute PCB 158	
PCB-129	2.37e+05	1.28	y	42:03	0.85	16.3		-	-	*			
PCB-166	2.98e+04	1.13	y	42:29	1.30	1.34	J	-	-	*			
PCB-159	7.21e+04	1.16	y	42:49	1.33	3.17		-	-	*			
PCB-128	9.36e+05	1.22	y	43:04	1.09	49.9		-	-	*		Co-elute PCB 162	
PCB-162	9.36e+05	1.22	y	43:04	1.09	49.9		-	-	*		Co-elute PCB 128	
PCB-167	2.67e+05	1.13	y	43:25	1.24	12.3		-	-	*			
13C-PCB-167	1.66e+07	1.27	y	43:24	1.14	942					99.8	2.00e+06	1.59e+06
PCB-156	6.95e+05	1.23	y	44:39	1.30	32.2		-	-	*			
13C-PCB-156	1.57e+07	1.31	y	44:38	1.11	914					96.8	2.04e+06	1.55e+06
PCB-157	1.44e+05	1.14	y	44:54	1.25	6.66		-	-	*			
13C-PCB-157	1.64e+07	1.31	y	44:53	1.11	956					101	1.95e+06	1.51e+06
PCB-169	*	*	n	NotFnd	1.23	*		870	780	0.837			
13C-PCB-169	1.59e+07	1.29	y	46:45	1.09	945					100	2.14e+06	1.65e+06

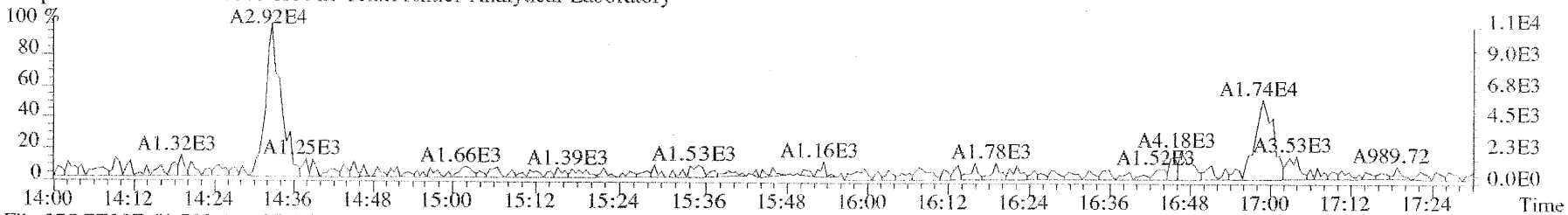
PCB-188	*	*	n	NotFnd	1.23	*		540	660	0.826			
13C-PCB-188	1.08e+07	1.08	y	39:41	0.80	873					92.5	1.45e+06	1.33e+06
PCB-184	*	*	n	NotFnd	1.38	*		540	660	0.686			
PCB-179	4.84e+05	1.04	y	40:54	1.30	33.8		-	-	*			
PCB-176	1.67e+05	1.04	y	41:19	1.30	11.7		-	-	*			
PCB-186	*	*	n	NotFnd	1.28	*		540	660	0.738			
PCB-178	1.78e+05	1.07	y	42:21	0.94	17.1		-	-	*			
PCB-175	4.82e+04	0.99	y	42:41	0.99	4.41		-	-	*			
PCB-187	1.13e+06	1.13	y	42:49	1.07	95.7		-	-	*		Co-elute PCB 182	
PCB-182	1.13e+06	1.13	y	42:49	1.07	95.7		-	-	*		Co-elute PCB 187	
PCB-183	5.35e+05	1.09	y	43:09	1.04	46.7		-	-	*			
PCB-185	1.04e+05	1.13	y	43:47	0.96	9.87		-	-	*			
PCB-174	8.48e+05	1.12	y	44:06	1.01	76.0		-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*		540	660	0.995			
PCB-177	4.87e+05	1.01	y	44:23	0.89	49.4		-	-	*			
PCB-171	2.52e+05	1.07	y	44:39	0.95	24.2		-	-	*			
PCB-173	*	*	n	NotFnd	0.86	*		540	660	1.10			
PCB-172	1.50e+05	1.12	y	45:27	0.89	15.2		-	-	*			
PCB-192	*	*	n	NotFnd	1.18	*		540	660	0.803			
PCB-180	1.84e+06	1.05	y	45:47	0.94	177		-	-	*			
PCB-193	1.22e+05	1.19	y	45:58	1.25	8.81		-	-	*			
PCB-191	6.32e+04	1.06	y	46:10	1.23	4.65		-	-	*			
PCB-170	7.89e+05	1.10	y	47:04	0.89	80.4		-	-	*			
PCB-190	2.13e+05	1.04	y	47:14	1.19	16.3		-	-	*			
PCB-189	4.65e+04	1.13	y	48:27	1.21	3.62		-	-	*			
13C-PCB-189	1.00e+07	1.12	y	48:25	0.73	886					93.9	1.73e+06	1.52e+06
PCB-202	6.76e+04	0.91	y	44:49	1.10	8.57		-	-	*			
PCB-201	5.31e+04	1.00	y	45:17	1.25	5.88		-	-	*			
PCB-204	*	*	n	NotFnd	1.19	*		440	400	1.11			
PCB-197	*	*	n	NotFnd	1.20	*		440	400	1.10			
PCB-200	5.21e+04	0.76	y	46:26	1.21	5.99		-	-	*			
PCB-198	*	*	n	NotFnd	0.81	*		440	400	1.64			
PCB-199	2.36e+05	0.93	y	47:42	0.93	35.3		-	-	*			
PCB-203	2.72e+05	0.86	y	47:57	0.93	40.8		-	-	*		Co-elute PCB 196	
PCB-196	2.72e+05	0.86	y	47:57	0.93	40.8		-	-	*		Co-elute PCB 203	
13C-PCB-202	6.79e+06	0.91	y	44:49	0.55	799					84.7	7.06e+05	7.87e+05
13C-PCB-178	7.95e+06	1.11	y	42:19	0.62	823					87.2	1.04e+06	9.31e+05
13C-PCB-138	1.46e+07	1.28	y	41:33	-	5.29							
PCB-195	2.42e+05	0.90	y	49:03	0.91	14.4		-	-	*			
PCB-194	5.98e+05	0.89	y	49:50	0.97	33.7		-	-	*			
PCB-205	7.16e+04	0.79	y	50:04	1.17	3.33		-	-	*			
13C-PCB-205	1.73e+07	0.89	y	50:04	1.20	958					102	2.64e+06	2.99e+06
PCB-208	5.62e+04	1.22	y	49:09	1.13	3.27		-	-	*			
13C-PCB-208	1.43e+07	0.81	y	49:09	0.98	972					103	2.16e+06	2.59e+06
PCB-207	3.06e+04	1.44	y	49:27	1.33	1.76	J	-	-	*			
PCB-206	1.63e+05	1.31	y	51:18	1.19	12.4		-	-	*			
13C-PCB-206	1.04e+07	0.80	y	51:16	0.70	990					105	1.48e+06	1.89e+06
PCB-209	5.42e+04	1.25	y	52:28	1.23	4.14		-	-	*			
13C-PCB-209	1.00e+07	1.23	y	52:28	0.70	959					102	1.69e+06	1.37e+06
13C-PCB-194	1.42e+07	0.89	y	49:49	-	5.10							

Analyst: _____ Date: 11/2/20

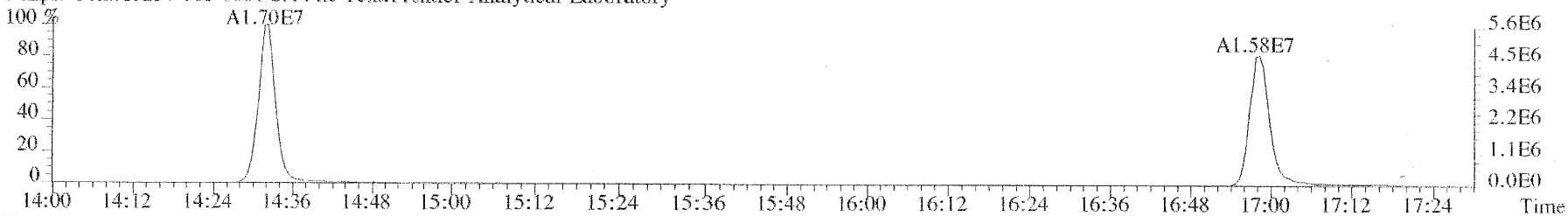
File:27OCT20Z #1-783 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



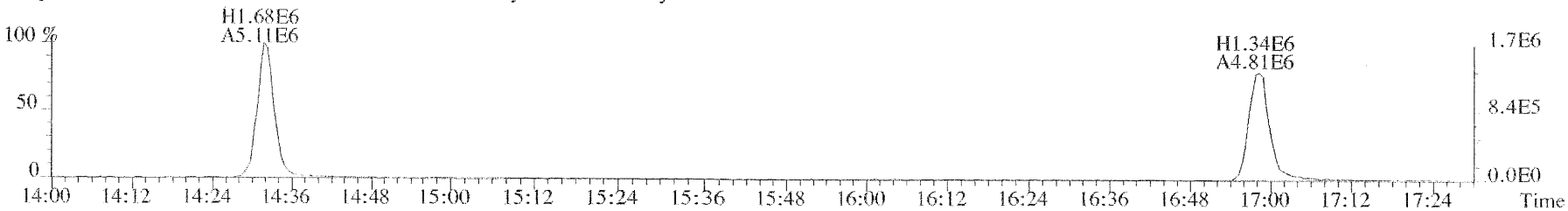
File:27OCT20Z #1-783 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



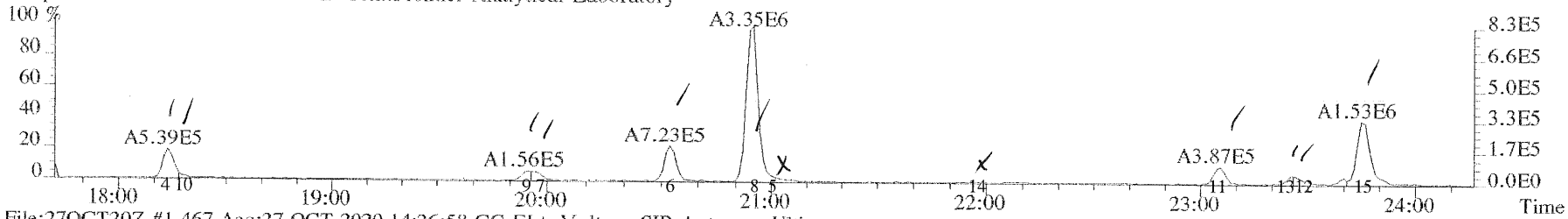
File:27OCT20Z #1-783 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



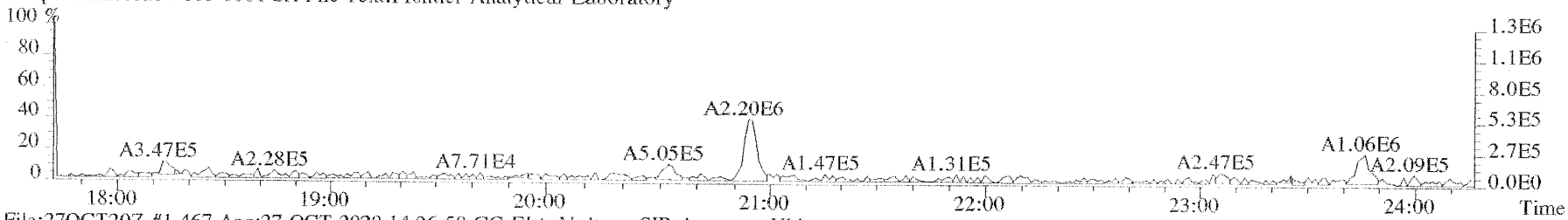
File:27OCT20Z #1-783 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



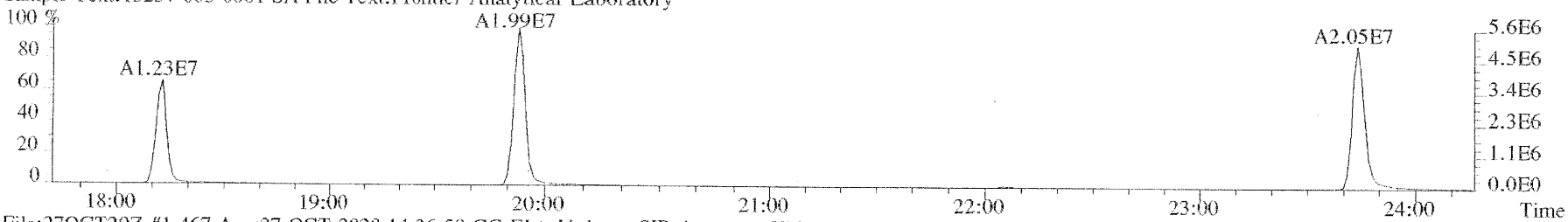
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



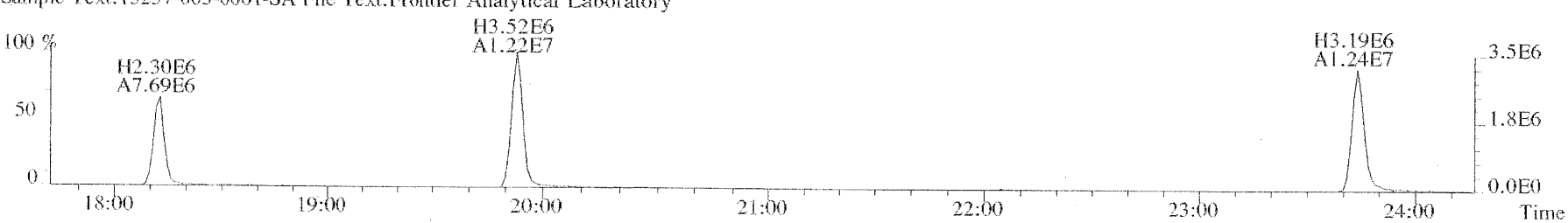
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



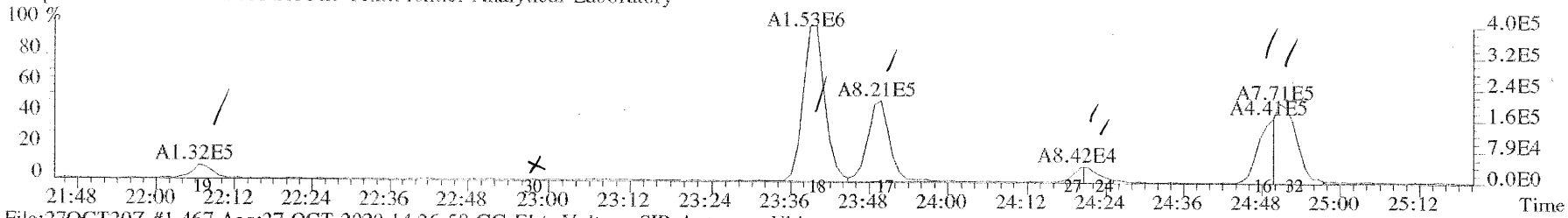
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



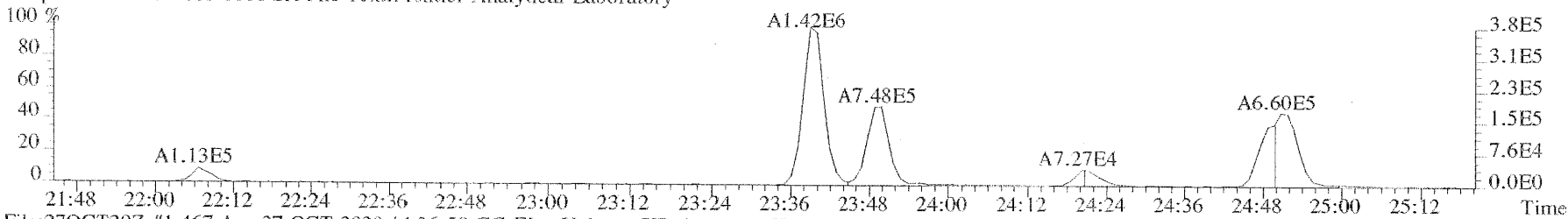
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



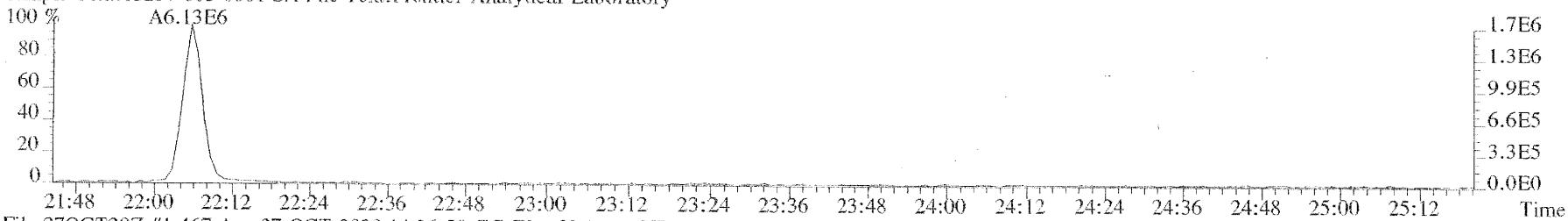
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



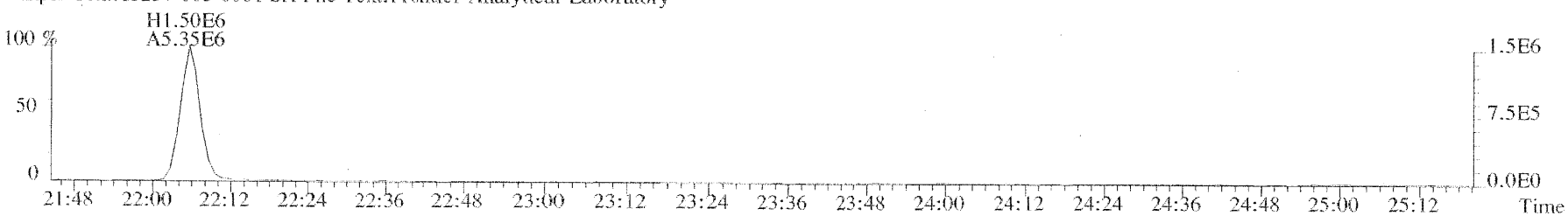
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



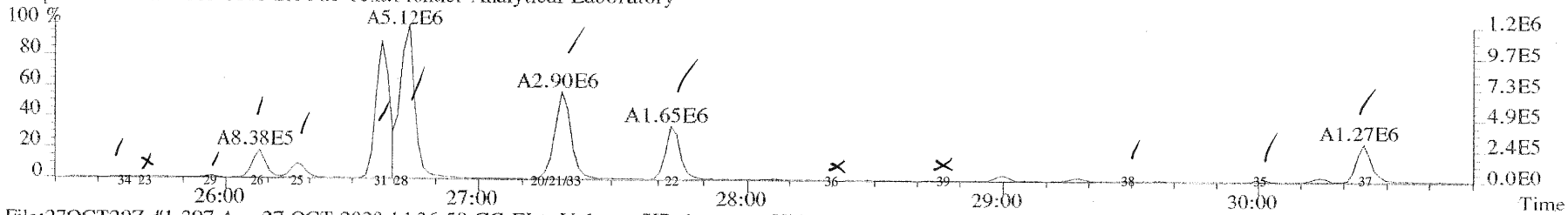
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



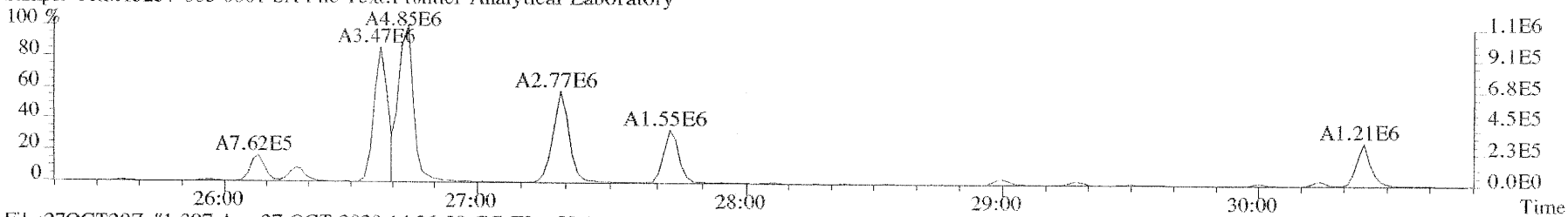
File:27OCT20Z #1-467 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



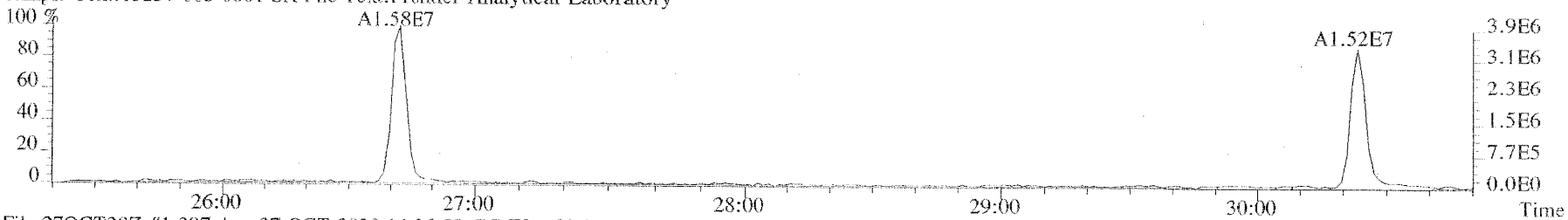
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



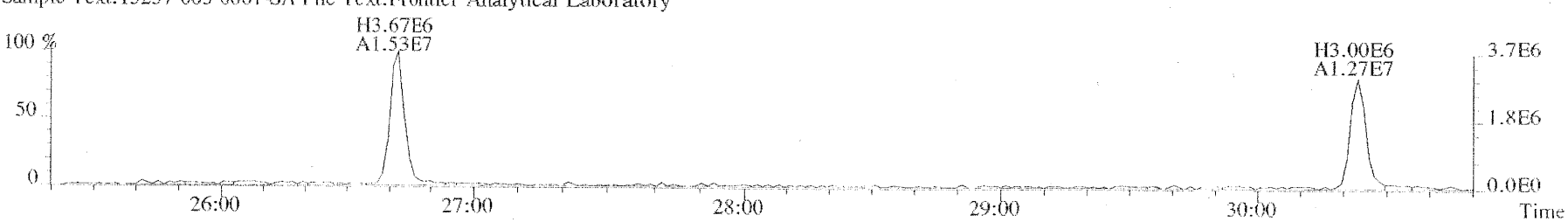
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



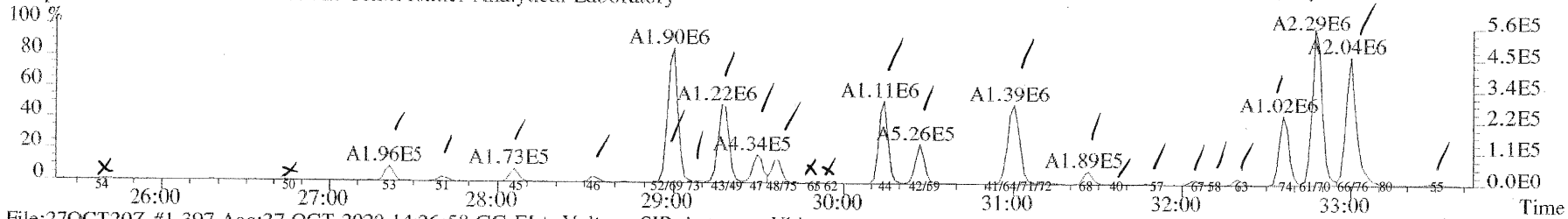
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



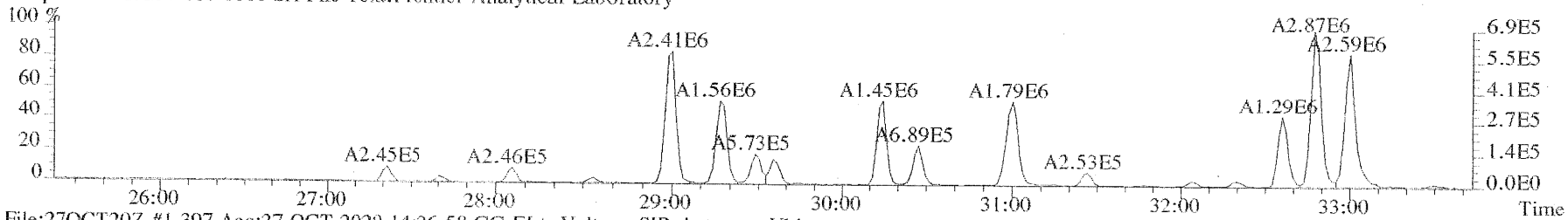
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



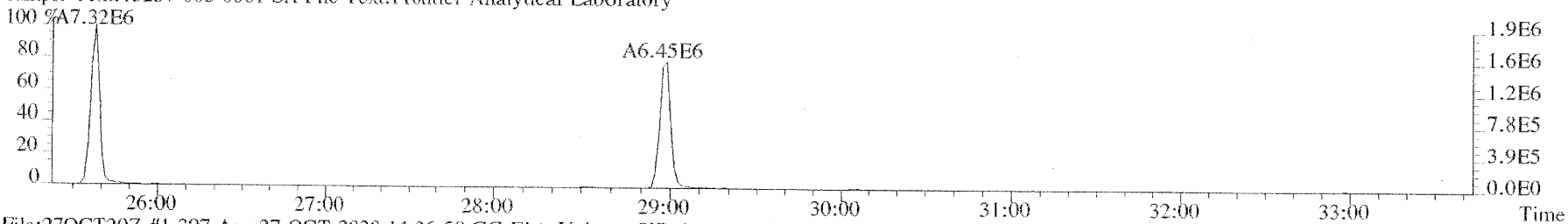
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



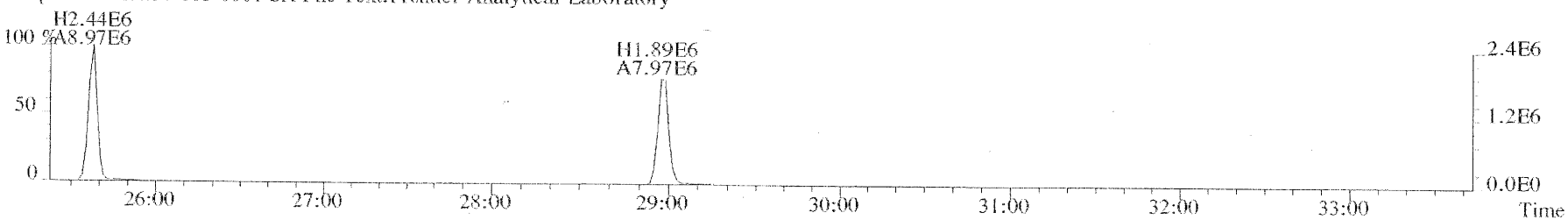
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



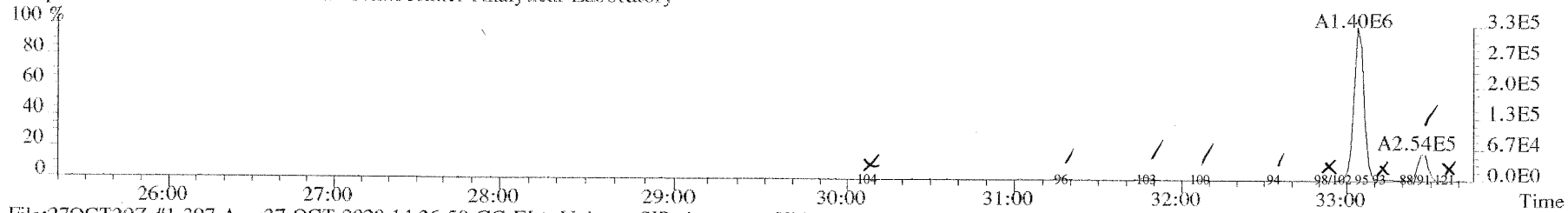
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



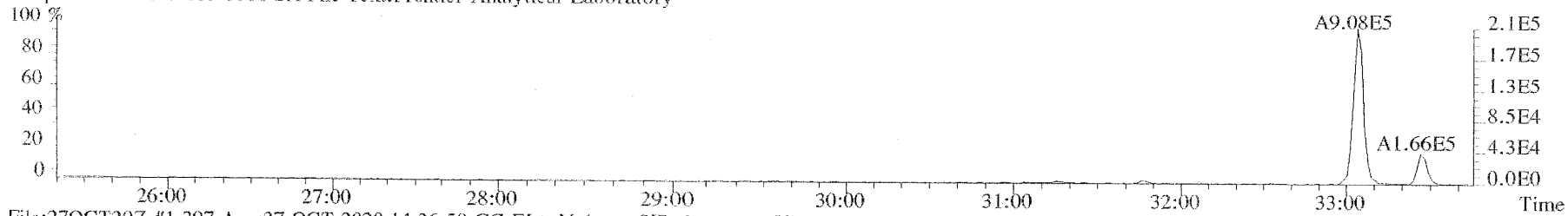
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



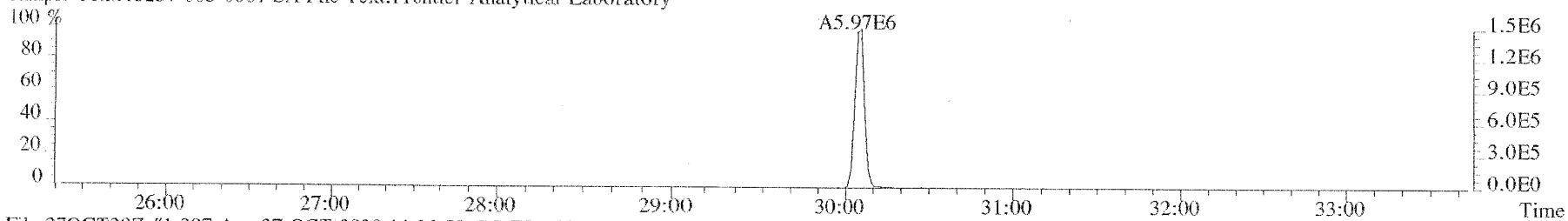
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



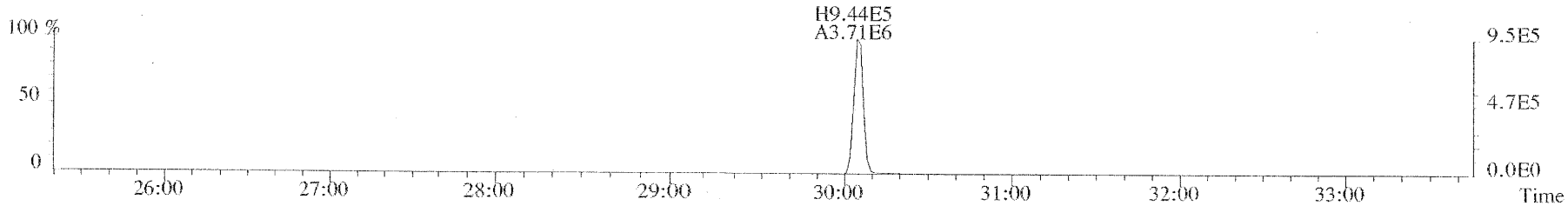
File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 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:13237-003-0001-SA File Text:Frontier Analytical Laboratory

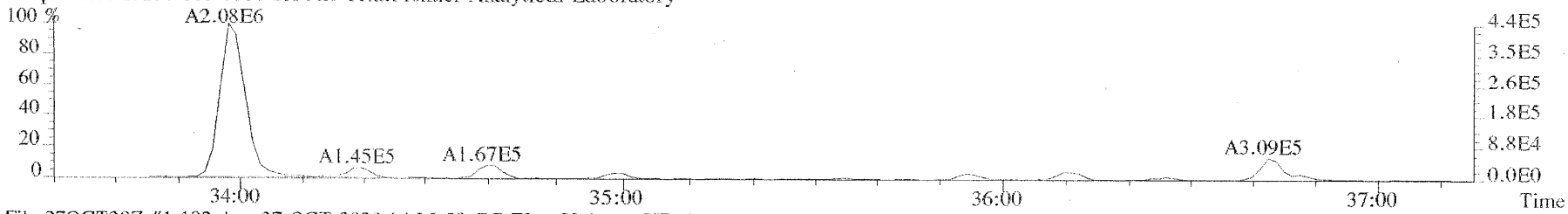


File:27OCT20Z #1-397 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory

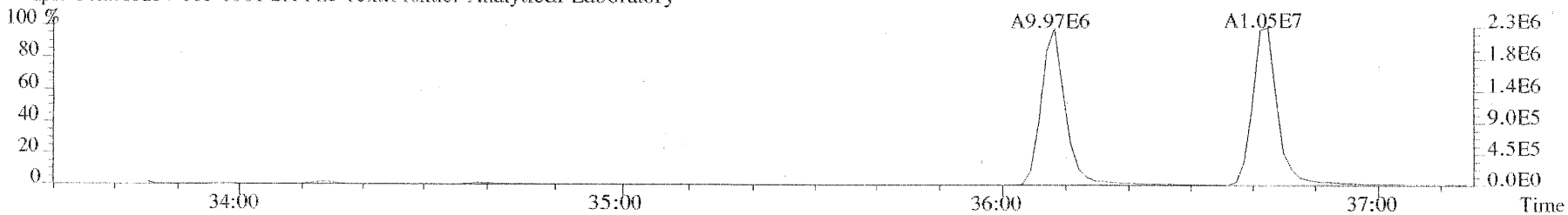


File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory

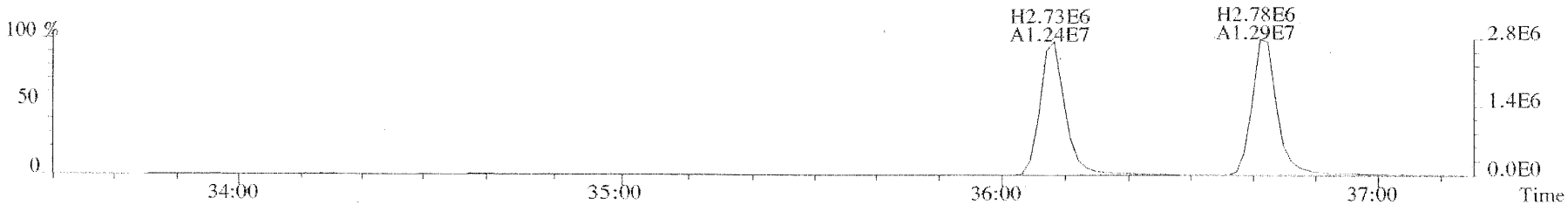
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



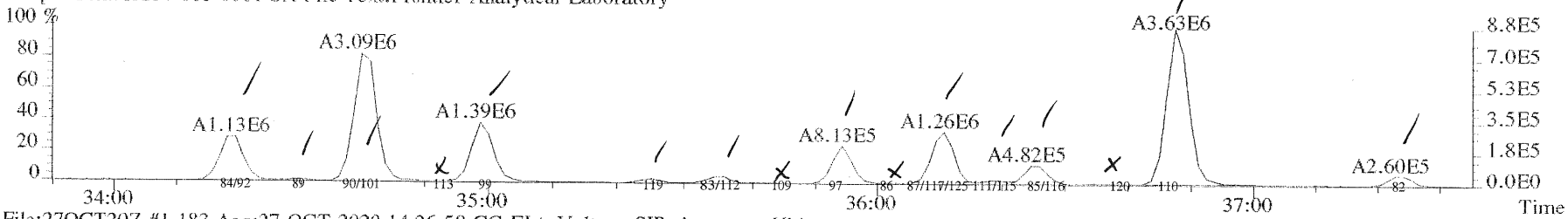
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



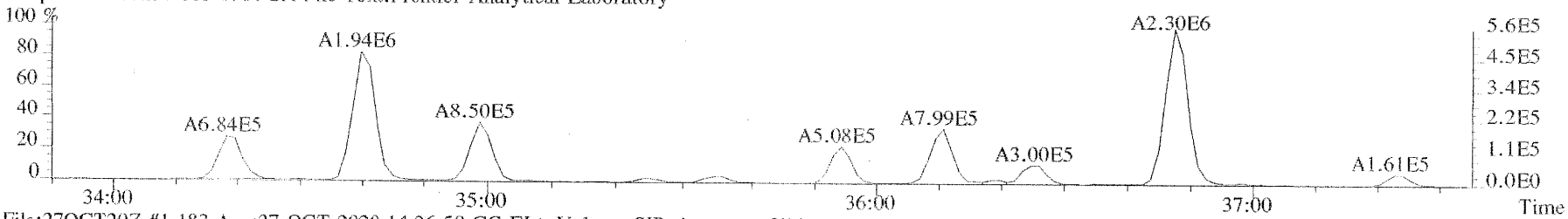
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



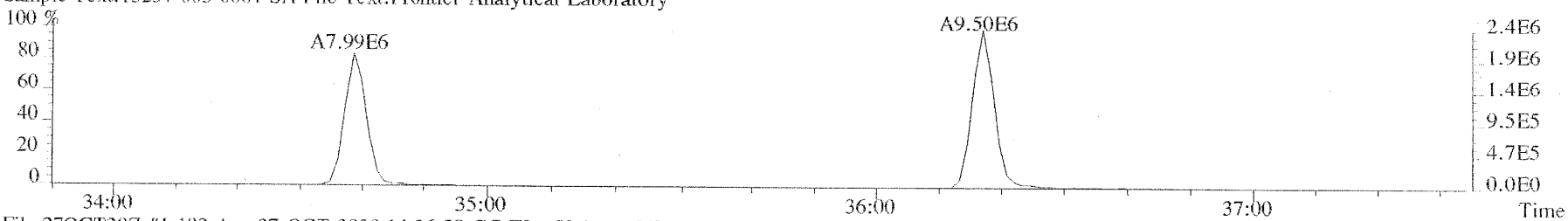
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



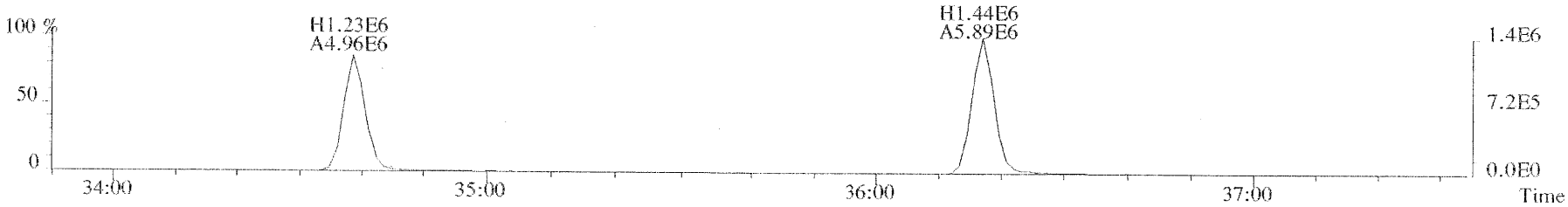
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



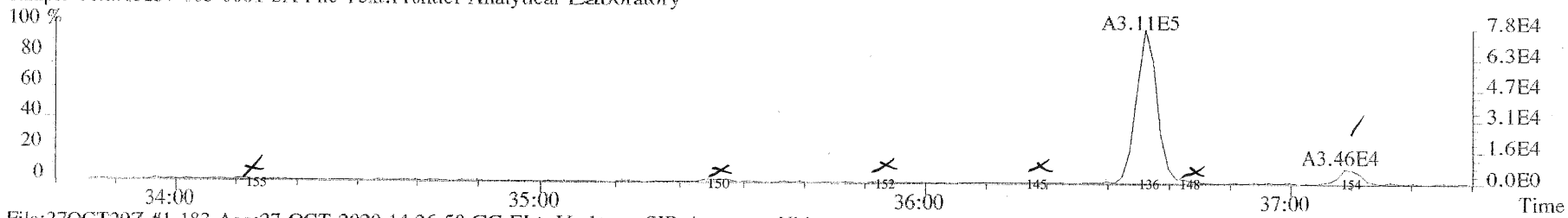
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



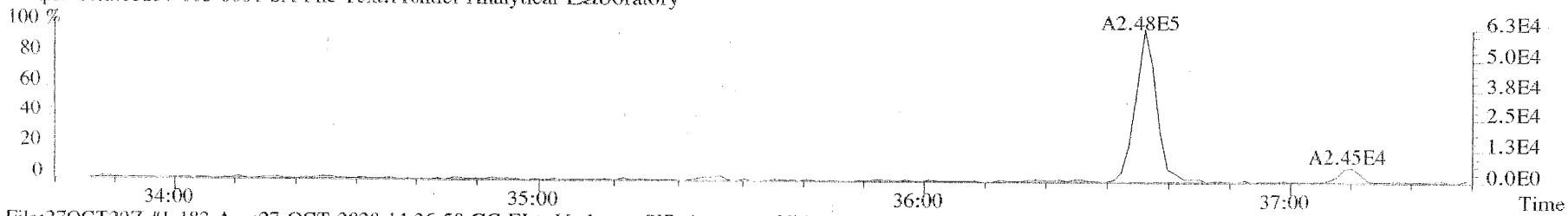
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



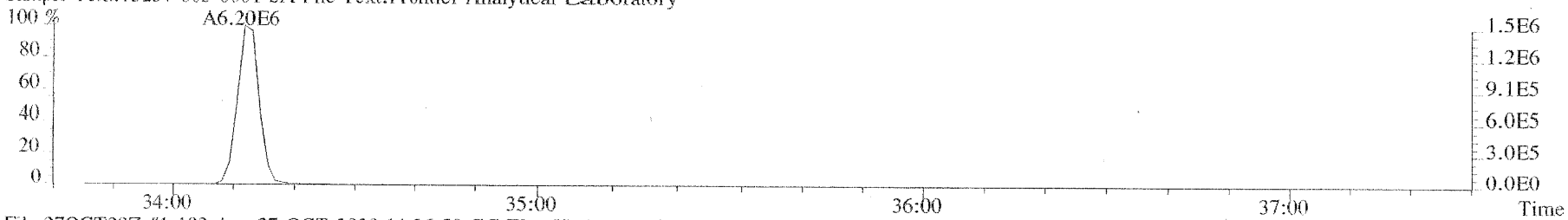
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



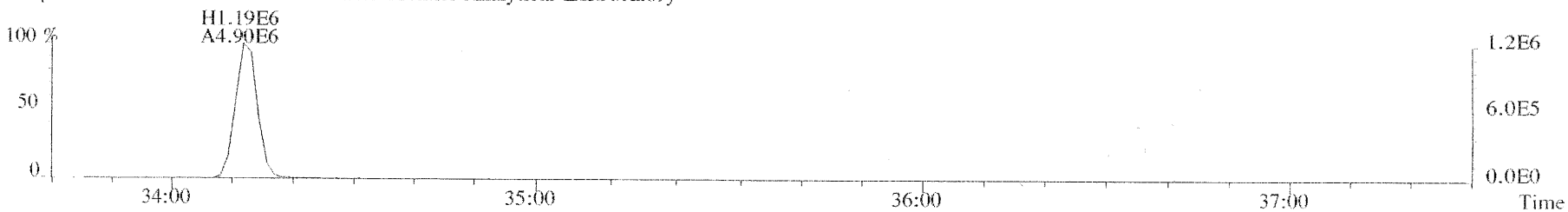
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



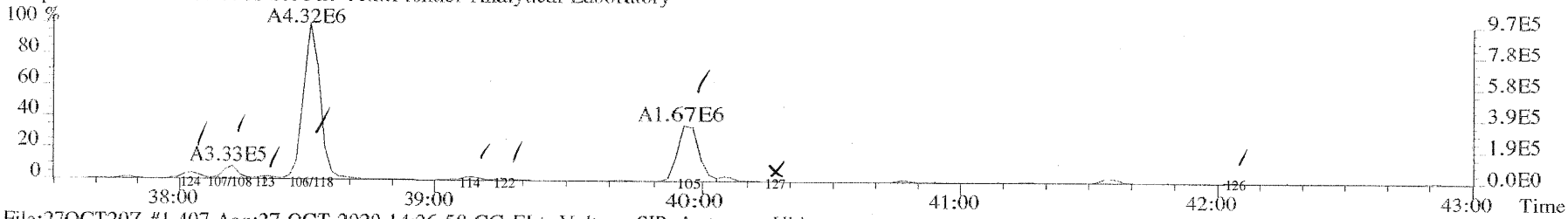
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



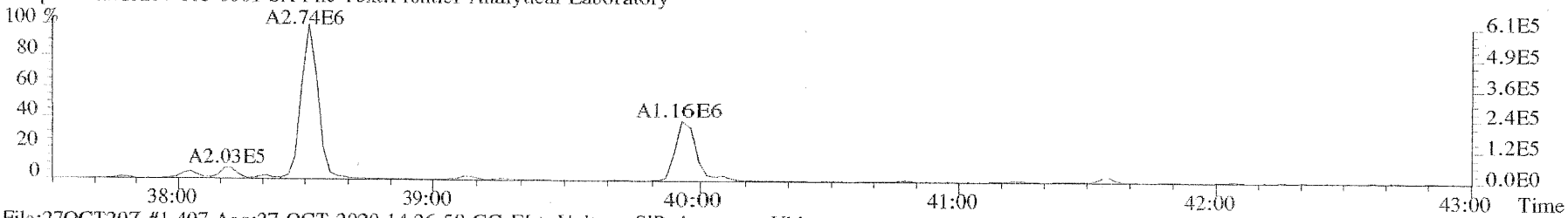
File:27OCT20Z #1-183 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



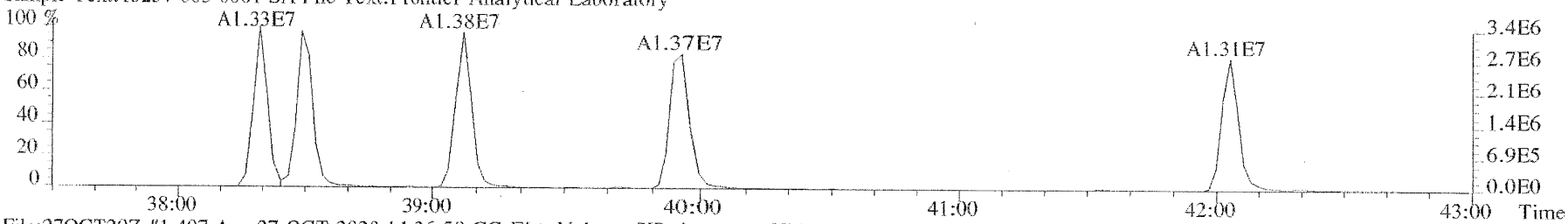
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



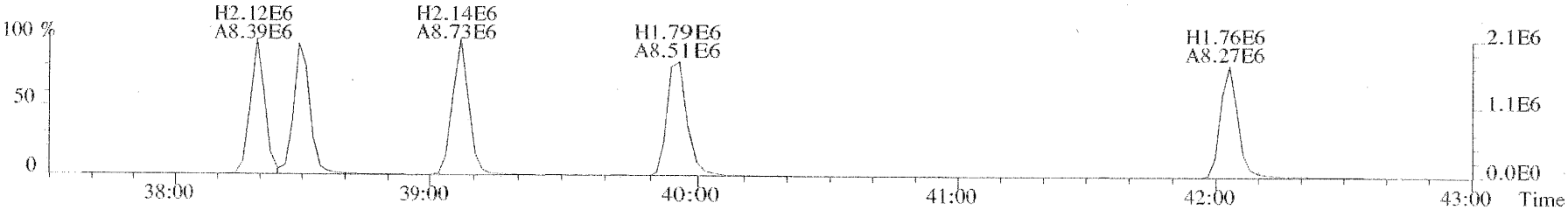
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



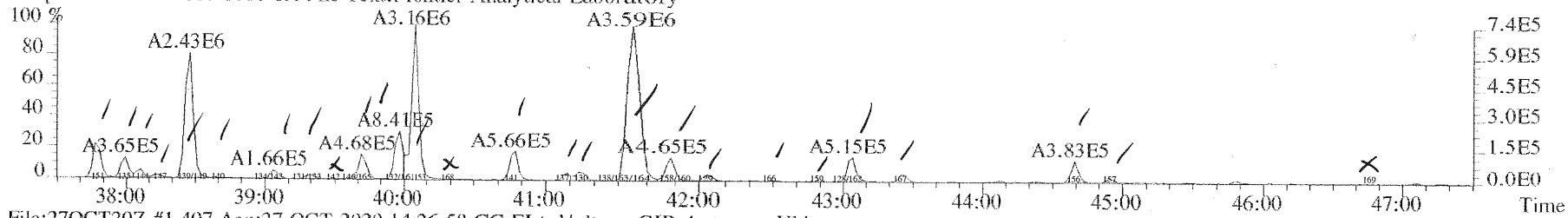
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



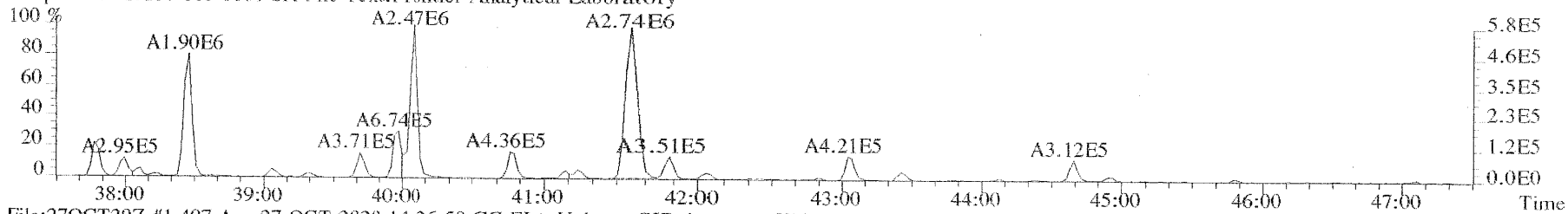
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



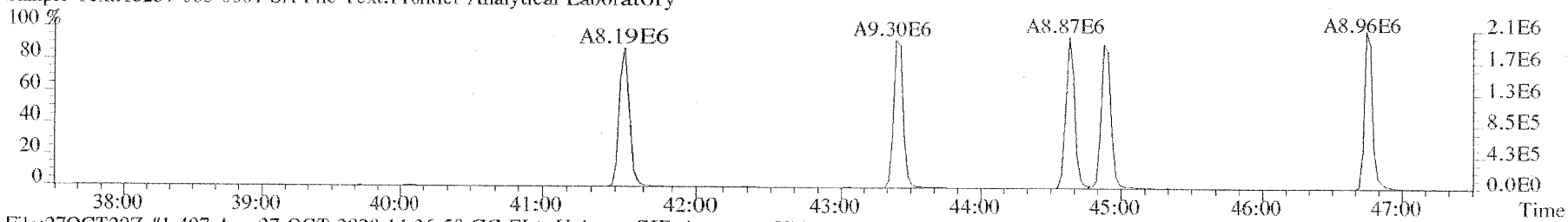
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



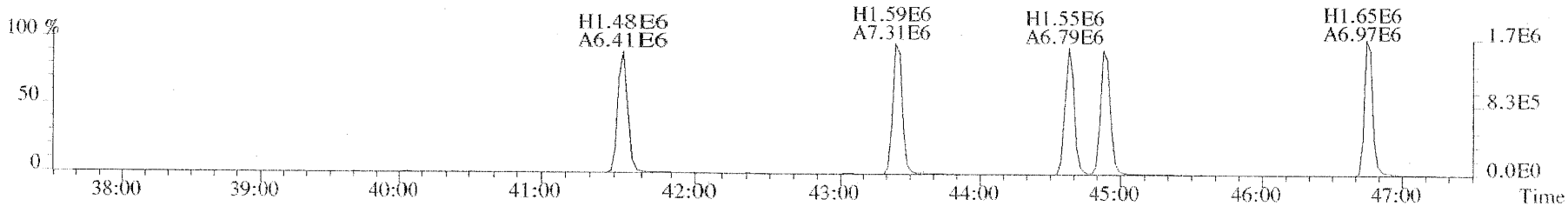
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



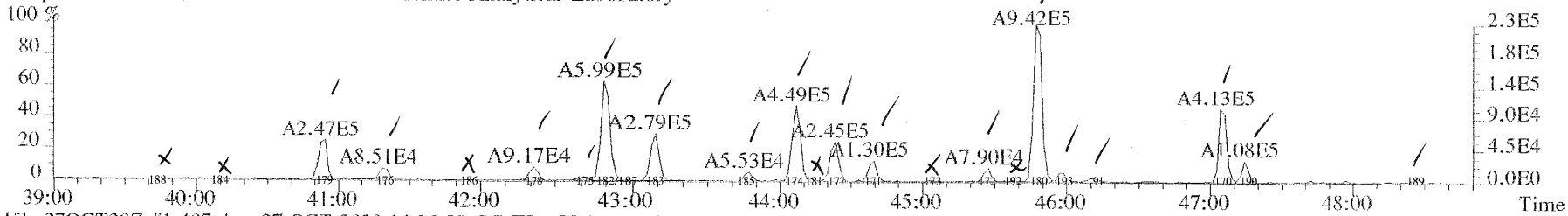
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



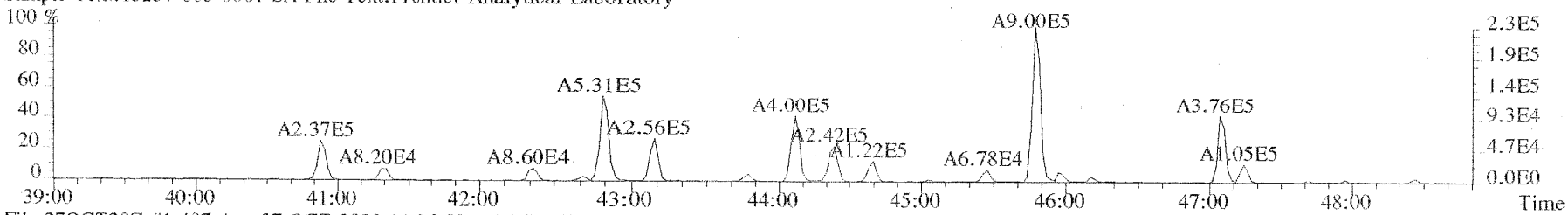
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



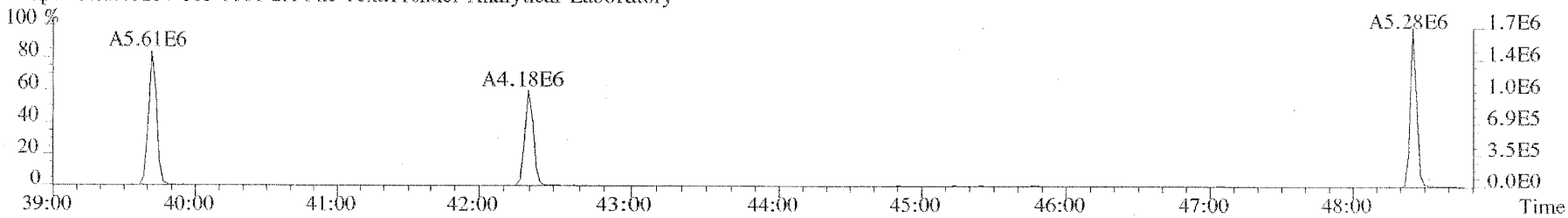
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



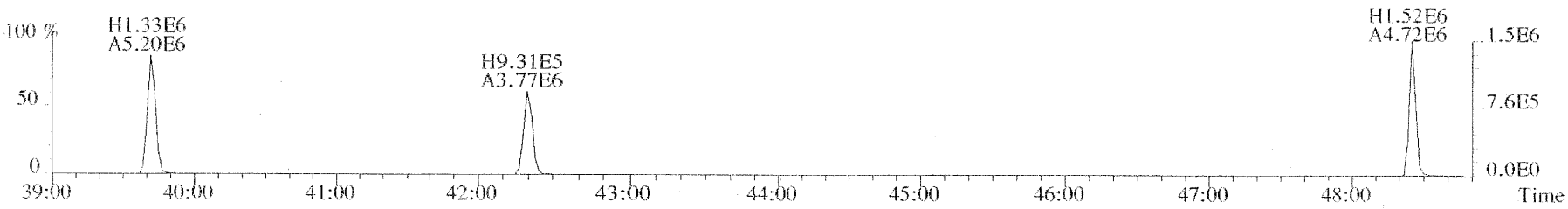
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



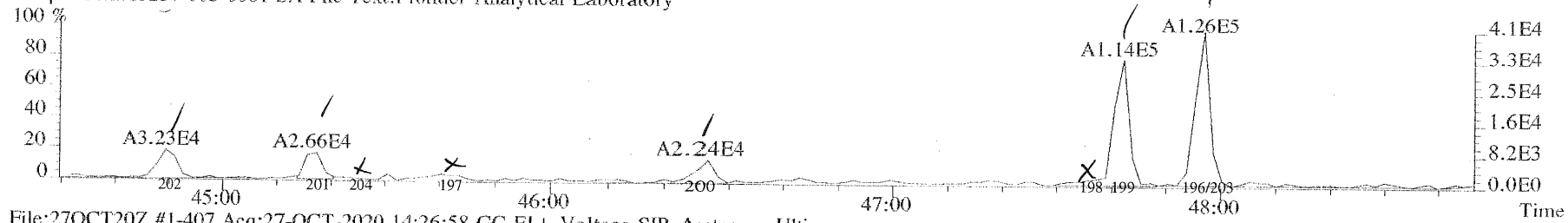
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



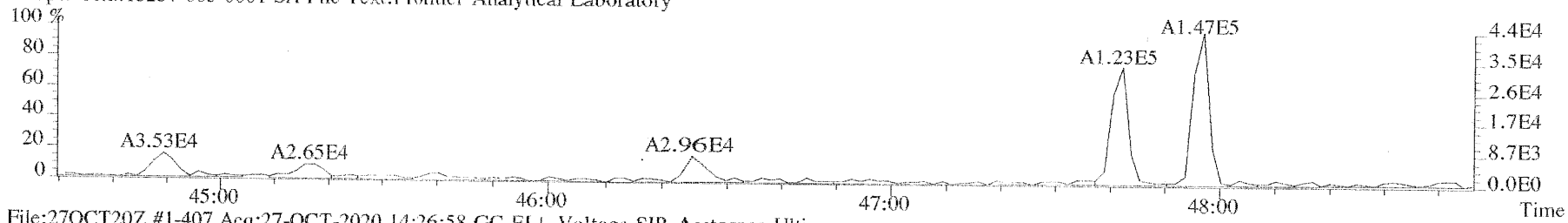
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



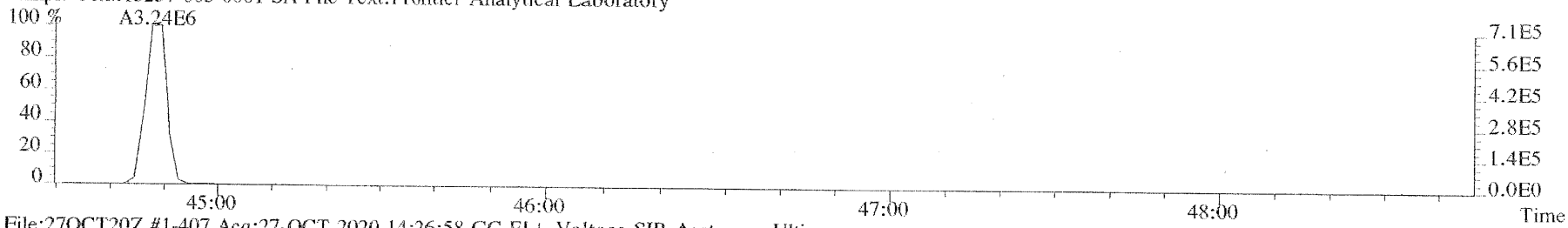
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



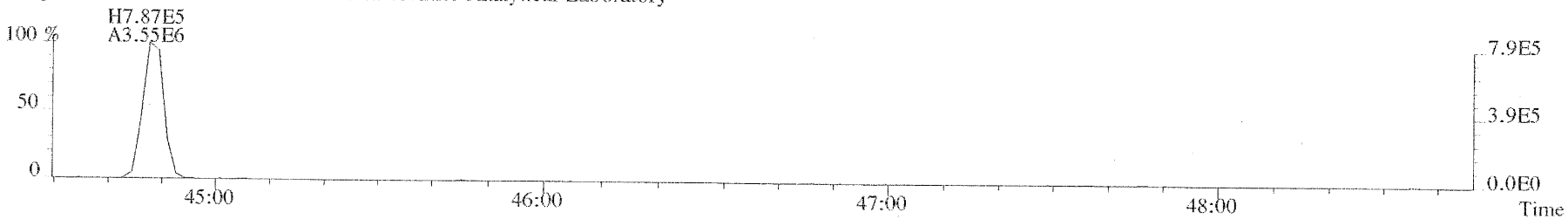
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



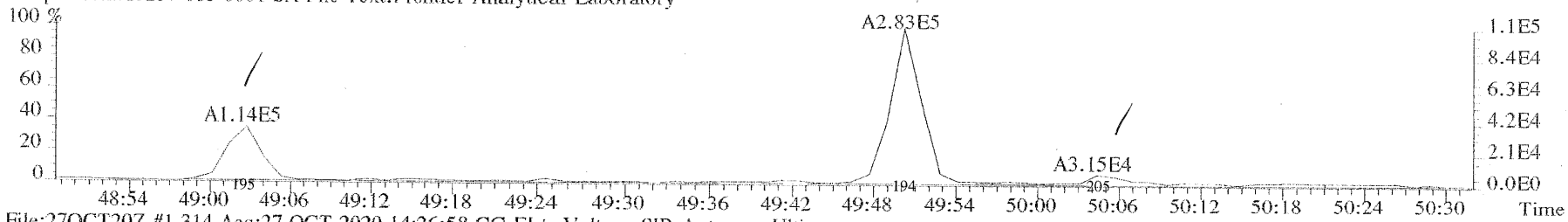
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



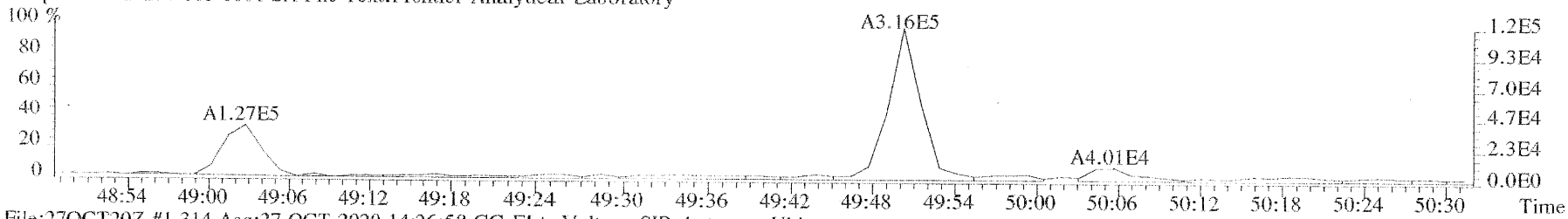
File:27OCT20Z #1-407 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



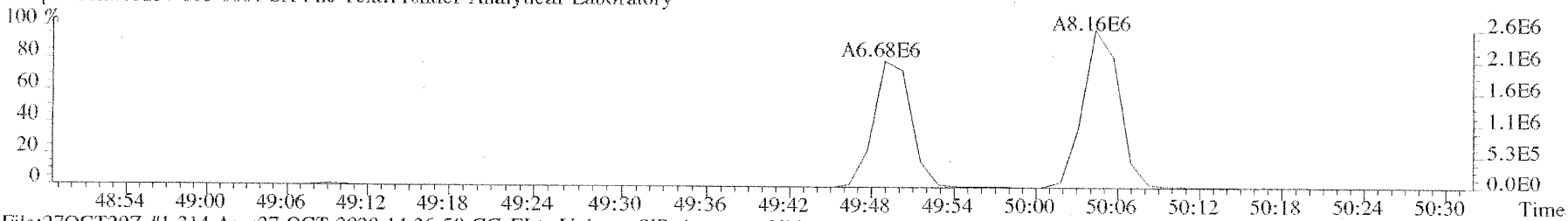
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



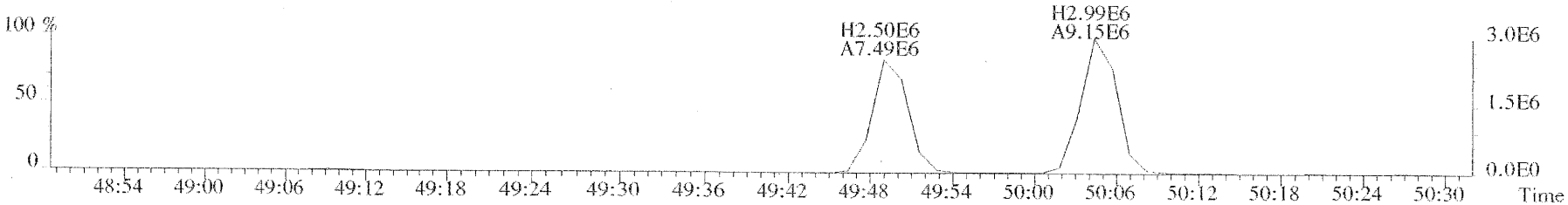
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



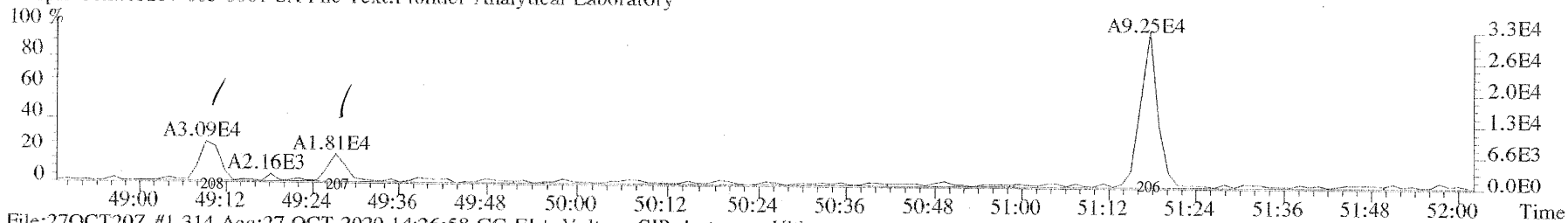
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



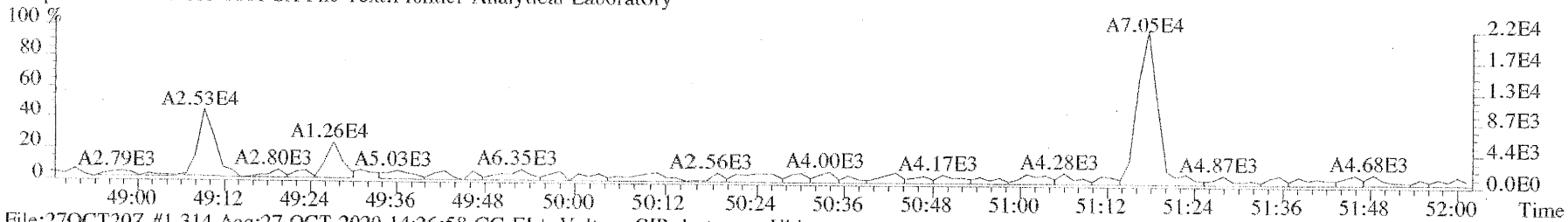
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



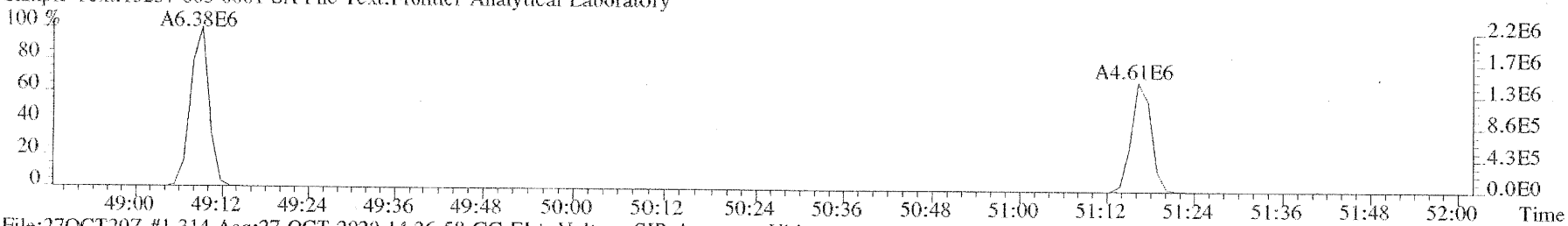
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



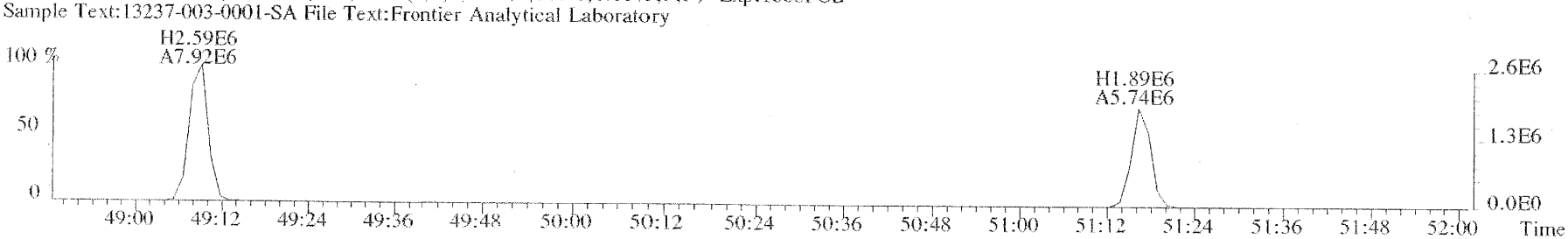
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



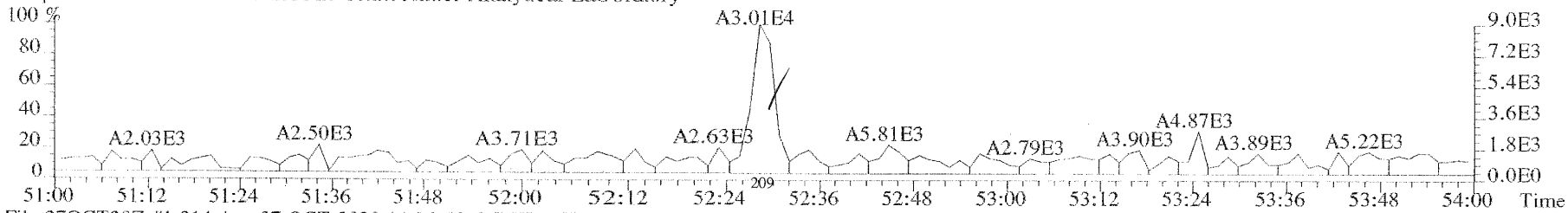
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



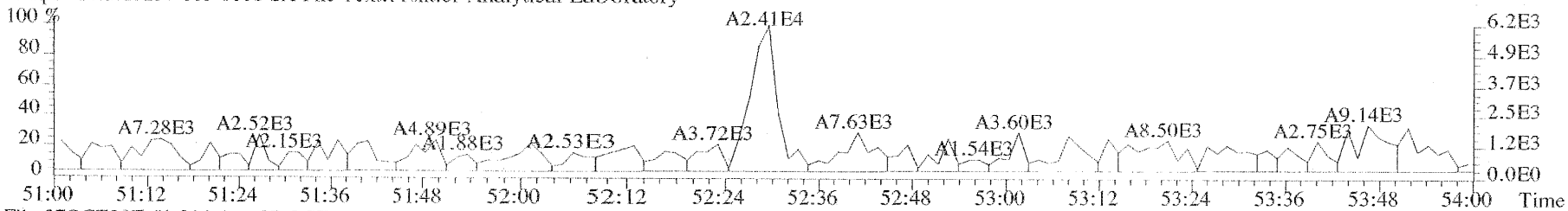
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



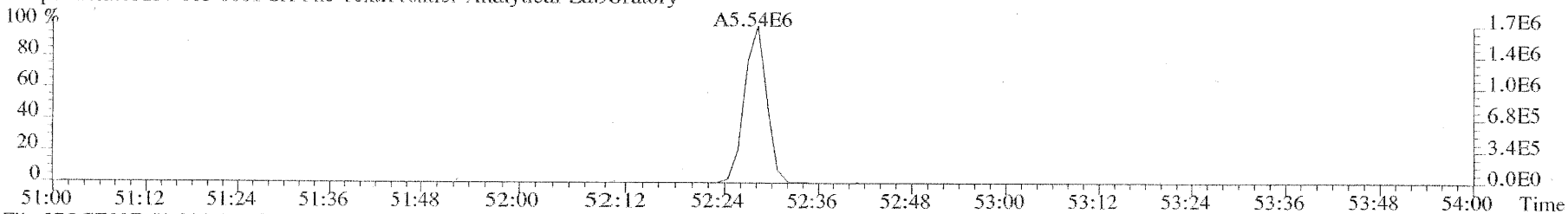
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



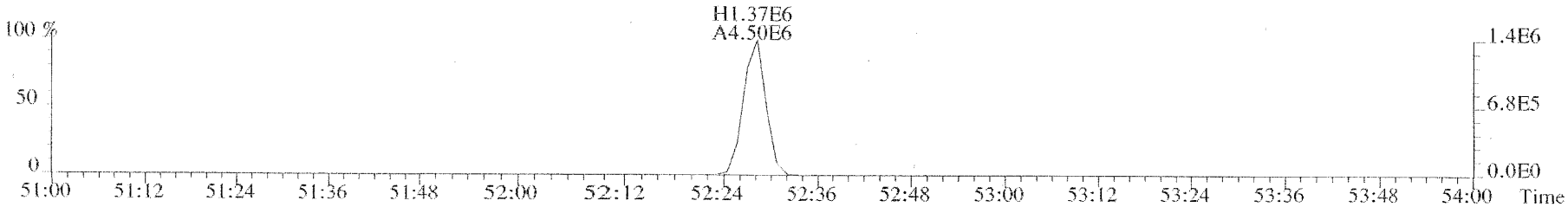
File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-003-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 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:13237-003-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 14:26:58 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:13237-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13237-006-0001-SA Filename: 27OCT20Z Sam:10 Acquired: 27-OCT-20 15:25:19 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR+AC-CA-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 9.990

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	3.86e+06	3.14 y	14:35	1.37	68.4		-	-	*			
13C-PCB-1	4.13e+07	3.28 y	14:34	0.75	937					93.6	1.14e+07	3.44e+06
PCB-2	3.82e+05	3.09 y	16:48	1.38	6.70		-	-	*			
PCB-3	4.04e+06	3.11 y	17:00	1.35	72.4		-	-	*			
13C-PCB-3	4.13e+07	3.38 y	16:60	0.74	943					94.2	9.77e+06	2.90e+06
PCB-4	5.08e+06	1.51 y	18:15	1.14	125		-	-	*			
PCB-10	5.55e+05	1.53 y	18:18	1.41	7.89		-	-	*			
13C-PCB-4	3.59e+07	1.63 y	18:13	0.64	951					95.0	6.20e+06	3.97e+06
PCB-9	1.78e+06	1.55 y	19:56	1.43	25.0		-	-	*			
PCB-7	2.33e+06	1.51 y	19:58	1.37	34.0		-	-	*			
PCB-6	9.56e+06	1.53 y	20:33	1.39	138		-	-	*			
PCB-8	3.50e+07	1.50 y	20:55	1.40	502		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		680	5450	0.809			
PCB-14	*	* n	NotFnd	1.46	*		680	5450	0.806			
PCB-11	7.03e+05	1.51 y	23:06	1.39	10.2		-	-	*			
PCB-13	1.59e+06	1.44 y	23:26	1.42	22.4		-	-	*			
PCB-12	2.66e+06	1.50 y	23:27	1.43	37.5		-	-	*			
PCB-15	1.85e+07	1.45 y	23:47	1.23	235		-	-	*			
13C-PCB-15	6.38e+07	1.61 y	23:46	1.07	1010					101	9.56e+06	5.96e+06
PCB-19	1.60e+06	1.03 y	22:08	1.35	62.0		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		1940	896	0.704			
PCB-18	2.16e+07	1.08 y	23:41	1.44	787		-	-	*			
PCB-17	1.10e+07	1.09 y	23:51	1.51	381		-	-	*			
PCB-27	1.30e+06	0.97 y	24:22	1.99	34.0		-	-	*			
PCB-24	1.41e+06	1.15 y	24:23	1.96	37.7		-	-	*			
PCB-16	7.91e+06	1.04 y	24:52	1.60	258		-	-	*			
PCB-32	8.63e+06	1.12 y	24:53	1.78	254		-	-	*			
13C-PCB-19	1.91e+07	1.13 y	22:07	0.39	838					83.7	2.56e+06	2.34e+06
13C-PCB-9	5.89e+07	1.62 y	19:54	-	10.1							
PCB-34	6.95e+05	1.03 y	25:38	1.14	12.1		-	-	*			
PCB-23	8.11e+04	1.16 y	25:43	1.29	1.25	J	-	-	*			
PCB-29	4.74e+05	1.15 y	25:57	1.28	7.35		-	-	*			
PCB-26	1.50e+07	1.07 y	26:09	1.26	237		-	-	*			
PCB-25	8.57e+06	1.07 y	26:18	1.19	144		-	-	*			
PCB-31	6.52e+07	1.05 y	26:38	1.33	972		-	-	*			
PCB-28	7.63e+07	1.08 y	26:45	1.36	1110		-	-	*			
PCB-20	3.80e+07	1.06 y	27:20	1.20	629		-	-	*		Co-elute PCB 21/33	
PCB-21	3.80e+07	1.06 y	27:20	1.20	629		-	-	*		Co-elute PCB 20/33	
PCB-33	3.80e+07	1.06 y	27:20	1.20	629		-	-	*		Co-elute PCB 20/21	
PCB-22	2.10e+07	1.08 y	27:44	1.29	325		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1070	1010	0.491			
PCB-39	*	* n	NotFnd	1.28	*		1070	1010	0.484			
PCB-38	5.99e+05	1.05 y	29:31	1.34	8.86		-	-	*			
PCB-35	1.24e+06	1.05 y	30:04	1.23	19.9		-	-	*			
PCB-37	1.77e+07	1.14 y	30:32	1.25	280		-	-	*			
13C-PCB-37	5.04e+07	1.06 y	30:31	1.93	1020					102	4.38e+06	4.00e+06

PCB-54	1.01e+05	0.80	y	25:40	1.33	2.67	-	-	*			
PCB-50	1.56e+05	0.75	y	26:46	1.10	4.96	-	-	*			
PCB-53	4.77e+06	0.79	y	27:23	1.08	156	-	-	*			
PCB-51	1.52e+06	0.73	y	27:43	1.11	48.1	-	-	*			
PCB-45	3.99e+06	0.80	y	28:07	0.96	146	-	-	*			
PCB-46	1.53e+06	0.82	y	28:35	0.92	58.6	-	-	*			
PCB-52	5.39e+07	0.80	y	29:01	1.11	1700	-	-	*	Co-elute PCB 69		
PCB-69	5.39e+07	0.80	y	29:01	1.11	1700	-	-	*	Co-elute PCB 52		
PCB-73	5.53e+05	0.85	y	29:07	1.45	13.4	-	-	*			
PCB-43	3.42e+07	0.80	y	29:19	1.05	1150	-	-	*	Co-elute PCB 49		
PCB-49	3.42e+07	0.80	y	29:19	1.05	1150	-	-	*	Co-elute PCB 43		
PCB-47	1.21e+07	0.78	y	29:31	1.09	391	-	-	*			
PCB-48	7.16e+06	0.82	y	29:38	1.31	192	-	-	*	Co-elute PCB 75		
PCB-75	7.16e+06	0.82	y	29:38	1.31	192	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*	687	970	0.438			
PCB-62	*	*	n	NotFnd	1.35	*	687	970	0.438			
PCB-44	2.67e+07	0.80	y	30:19	0.91	1030	-	-	*			
PCB-42	1.17e+07	0.81	y	30:35	1.13	363	-	-	*	Co-elute PCB 59		
PCB-59	1.17e+07	0.81	y	30:35	1.13	363	-	-	*	Co-elute PCB 42		
PCB-72	2.69e+07	0.80	y	31:13	1.27	747	-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.69e+07	0.80	y	31:13	1.27	747	-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.69e+07	0.80	y	31:13	1.27	747	-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.69e+07	0.80	y	31:13	1.27	747	-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.75e+05	0.87	y	31:30	1.48	13.7	-	-	*			
PCB-40	3.23e+06	0.81	y	31:40	0.82	139	-	-	*			
PCB-57	2.60e+05	0.85	y	32:02	1.40	6.51	-	-	*			
PCB-67	1.84e+06	0.80	y	32:13	1.44	44.8	-	-	*			
PCB-58	2.92e+05	0.86	y	32:18	1.35	7.56	-	-	*			
PCB-63	2.16e+06	0.80	y	32:27	1.41	53.7	-	-	*			
PCB-74	2.26e+07	0.77	y	32:42	1.44	553	-	-	*			
PCB-61	5.74e+07	0.78	y	32:54	1.29	1550	-	-	*	Co-elute PCB 70		
PCB-70	5.74e+07	0.78	y	32:54	1.29	1550	-	-	*	Co-elute PCB 61		
PCB-76	4.96e+07	0.79	y	33:05	1.45	1200	-	-	*	Co-elute PCB 66		
PCB-66	4.96e+07	0.79	y	33:05	1.45	1200	-	-	*	Co-elute PCB 76		
PCB-80	1.96e+05	0.88	y	33:15	1.63	4.24	-	-	*			
PCB-55	9.50e+05	0.77	y	33:33	1.44	23.2	-	-	*			
13C-PCB-54	2.85e+07	0.81	y	25:39	1.12	993				99.2	3.15e+06	3.87e+06
PCB-104	*	*	n	NotFnd	1.23	*	392	484	0.679			
PCB-96	2.29e+05	1.57	y	31:30	1.21	13.0	-	-	*			
PCB-103	6.45e+05	1.51	y	32:02	1.03	42.7	-	-	*			
PCB-100	2.42e+05	1.66	y	32:16	1.04	16.0	-	-	*			
PCB-94	1.63e+05	1.61	y	32:40	0.87	12.9	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*	392	484	0.977	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	392	484	0.977	Co-elute PCB 98		
PCB-95	3.20e+07	1.60	y	33:09	1.01	2160	-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*	392	484	0.977			
PCB-88	5.35e+06	1.57	y	33:32	0.96	379	-	-	*	Co-elute PCB 91		
PCB-91	5.35e+06	1.57	y	33:32	0.96	379	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*	392	484	0.726			
13C-PCB-104	1.46e+07	1.58	y	30:09	0.70	811				81.0	1.59e+06	1.02e+06
13C-PCB-28	5.89e+07	1.06	y	26:43	2.24	1030				103	6.80e+06	6.21e+06
13C-PCB-52	2.56e+07	0.81	y	28:60	-	9.41						

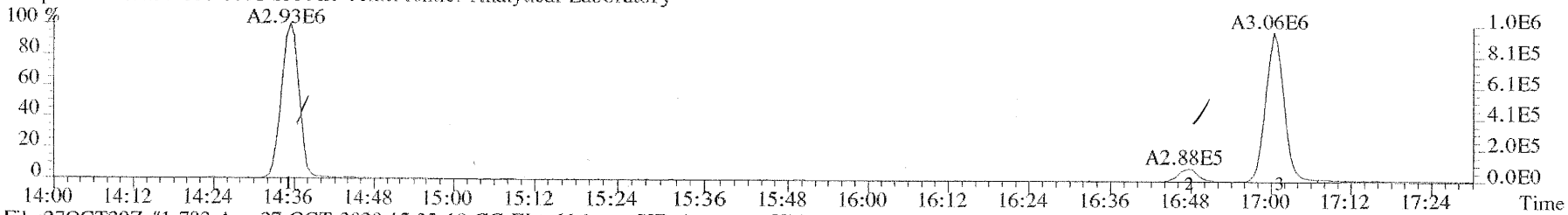
PCB-56	3.34e+07	0.80	y	34:02	1.24	657		-	-	*			Co-elute PCB 60
PCB-60	3.34e+07	0.80	y	34:02	1.24	657		-	-	*			Co-elute PCB 56
PCB-79	1.76e+06	0.80	y	35:02	1.31	32.8		-	-	*			
PCB-78	*	*	n	NotFnd	1.31	*		890	1320	0.473			
PCB-81	1.97e+06	0.76	y	36:13	1.37	34.2		-	-	*			
13C-PCB-81	4.19e+07	0.80	y	36:11	1.87	1000					100.0	4.26e+06	5.28e+06
PCB-77	5.28e+06	0.85	y	36:46	1.25	104		-	-	*			
13C-PCB-77	4.05e+07	0.81	y	36:45	1.90	950					94.9	3.77e+06	4.54e+06
PCB-155	*	*	n	NotFnd	1.14	*		736	724	0.795			
PCB-150	1.40e+05	1.37	y	35:28	1.15	6.99		-	-	*			
PCB-152	5.02e+04	1.30	y	35:56	1.12	2.58		-	-	*			
PCB-145	2.52e+04	1.19	y	36:21	1.10	1.32	J	-	-	*			
PCB-136	7.43e+06	1.31	y	36:38	1.05	405		-	-	*			
PCB-148	*	*	n	NotFnd	0.92	*		736	724	0.990			
PCB-154	1.01e+06	1.24	y	37:13	1.01	57.0		-	-	*			
13C-PCB-155	1.74e+07	1.29	y	34:17	0.94	824					82.3	2.25e+06	1.77e+06
13C-PCB-111	2.57e+07	1.62	y	36:21	1.27	903					90.2	3.61e+06	2.16e+06
13C-PCB-101	2.25e+07	1.61	y	34:42	-	9.84							
PCB-84	2.57e+07	1.65	y	34:22	0.61	1050		-	-	*			Co-elute PCB 92
PCB-92	2.57e+07	1.65	y	34:22	0.61	1050		-	-	*			Co-elute PCB 84
PCB-89	4.78e+05	1.61	y	34:32	0.59	20.0		-	-	*			
PCB-90	7.31e+07	1.60	y	34:43	0.69	2620		-	-	*			Co-elute PCB 101
PCB-101	7.31e+07	1.60	y	34:43	0.69	2620		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*		1060	1010	0.719			
PCB-99	3.36e+07	1.60	y	35:02	0.74	1130		-	-	*			
PCB-119	2.88e+06	1.57	y	35:29	0.91	78.4		-	-	*			
PCB-83	3.19e+06	1.52	y	35:38	0.72	110		-	-	*			Co-elute PCB 112
PCB-112	3.19e+06	1.52	y	35:38	0.72	110		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*		1060	1010	0.696			
PCB-97	1.79e+07	1.61	y	35:58	0.60	741		-	-	*			
PCB-86	*	*	n	NotFnd	0.57	*		1060	1010	1.04			
PCB-125	2.32e+07	1.62	y	36:13	0.81	705		-	-	*			Co-elute PCB 87/117
PCB-87	2.32e+07	1.62	y	36:13	0.81	705		-	-	*			Co-elute PCB 125/117
PCB-117	2.32e+07	1.62	y	36:13	0.81	705		-	-	*			Co-elute PCB 125/87
PCB-111	1.18e+06	1.45	y	36:22	0.89	32.9		-	-	*			Co-elute PCB 115
PCB-115	1.18e+06	1.45	y	36:22	0.89	32.9		-	-	*			Co-elute PCB 111
PCB-85	9.04e+06	1.57	y	36:28	0.77	291		-	-	*			Co-elute PCB 116
PCB-116	9.04e+06	1.57	y	36:28	0.77	291		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.94	*		1060	1010	0.626			
PCB-110	8.33e+07	1.62	y	36:50	0.89	2320		-	-	*			
PCB-82	5.03e+06	1.55	y	37:27	0.56	223		-	-	*			
PCB-124	4.04e+06	1.54	y	38:06	1.25	80.2		-	-	*			
PCB-108	8.71e+06	1.57	y	38:14	1.18	183		-	-	*			Co-elute PCB 107
PCB-107	8.71e+06	1.57	y	38:14	1.18	183		-	-	*			Co-elute PCB 108
PCB-123	1.51e+06	1.61	y	38:24	1.08	35.8		-	-	*			
13C-PCB-123	3.92e+07	1.60	y	38:22	1.54	1010					100	5.28e+06	3.18e+06
PCB-118	1.01e+08	1.57	y	38:34	1.17	2150		-	-	*			Co-elute PCB 106
PCB-106	1.01e+08	1.57	y	38:34	1.17	2150		-	-	*			Co-elute PCB 118
13C-PCB-118	4.05e+07	1.63	y	38:32	1.60	998					99.7	5.56e+06	3.48e+06
PCB-114	2.19e+06	1.45	y	39:10	1.19	44.7		-	-	*			
13C-PCB-114	4.13e+07	1.64	y	39:10	1.57	1040					103	5.67e+06	3.41e+06
PCB-122	1.04e+06	1.42	y	39:18	1.23	21.0		-	-	*			
PCB-105	3.45e+07	1.57	y	39:60	1.24	686		-	-	*			
13C-PCB-105	4.04e+07	1.63	y	39:58	1.52	1050					105	5.42e+06	3.30e+06

PCB-127	*	*	n	NotFnd	1.16	*	1500	1210	0.663				
PCB-126	4.04e+05	1.52	y	42:06	1.18	8.45	-	-	*				
13C-PCB-126	4.05e+07	1.60	y	42:05	1.57	1020				102	4.92e+06	3.09e+06	
PCB-151	1.55e+07	1.28	y	37:50	0.98	560	-	-	*				
PCB-135	9.69e+06	1.25	y	38:01	0.91	375	-	-	*				
PCB-144	3.16e+06	1.29	y	38:08	1.12	99.8	-	-	*				
PCB-147	1.46e+06	1.28	y	38:16	1.01	51.0	-	-	*				
PCB-139	6.23e+07	1.27	y	38:29	1.05	2110	-	-	*				Co-elute PCB 149
PCB-149	6.23e+07	1.27	y	38:29	1.05	2110	-	-	*				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	1.04	*	1340	1040	0.882				
PCB-143	3.88e+06	1.26	y	39:07	0.89	155	-	-	*				Co-elute PCB 134
PCB-134	3.88e+06	1.26	y	39:07	0.89	155	-	-	*				Co-elute PCB 143
PCB-131	2.32e+06	1.27	y	39:22	0.89	92.0	-	-	*				Co-elute PCB 133
PCB-133	2.32e+06	1.27	y	39:22	0.89	92.0	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.87	*	1340	1040	1.05				
PCB-165	1.40e+07	1.27	y	39:45	1.16	428	-	-	*				Co-elute PCB 146
PCB-146	1.40e+07	1.27	y	39:45	1.16	428	-	-	*				Co-elute PCB 165
PCB-161	2.49e+07	1.26	y	40:00	1.06	830	-	-	*				Co-elute PCB 132
PCB-132	2.49e+07	1.26	y	40:00	1.06	830	-	-	*				Co-elute PCB 161
PCB-153	8.22e+07	1.27	y	40:08	1.23	2360	-	-	*				
PCB-168	2.38e+05	1.18	y	40:19	1.26	6.69	-	-	*				
PCB-141	1.28e+07	1.26	y	40:49	1.00	452	-	-	*				
PCB-137	3.56e+06	1.21	y	41:12	0.98	129	-	-	*				
PCB-130	4.68e+06	1.26	y	41:17	0.94	175	-	-	*				
PCB-138	8.90e+07	1.27	y	41:37	1.16	2720	-	-	*				Co-elute PCB 163/164
PCB-163	8.90e+07	1.27	y	41:37	1.16	2720	-	-	*				Co-elute PCB 138/164
PCB-164	8.90e+07	1.27	y	41:37	1.16	2720	-	-	*				Co-elute PCB 138/163
PCB-158	1.06e+07	1.29	y	41:52	1.32	284	-	-	*				Co-elute PCB 160
PCB-160	1.06e+07	1.29	y	41:52	1.32	284	-	-	*				Co-elute PCB 158
PCB-129	2.93e+06	1.29	y	42:06	0.85	121	-	-	*				
PCB-166	1.45e+05	1.26	y	42:24	1.30	3.94	-	-	*				
PCB-159	8.48e+05	1.15	y	42:52	1.33	22.5	-	-	*				
PCB-128	1.30e+07	1.28	y	43:06	1.09	420	-	-	*				Co-elute PCB 162
PCB-162	1.30e+07	1.28	y	43:06	1.09	420	-	-	*				Co-elute PCB 128
PCB-167	3.78e+06	1.26	y	43:29	1.24	106	-	-	*				
13C-PCB-167	2.88e+07	1.33	y	43:27	1.14	997				99.6	3.60e+06	2.70e+06	
PCB-156	1.01e+07	1.28	y	44:43	1.30	276	-	-	*				
13C-PCB-156	2.81e+07	1.27	y	44:41	1.11	998				99.7	3.52e+06	2.84e+06	
PCB-157	2.18e+06	1.26	y	44:58	1.25	60.7	-	-	*				
13C-PCB-157	2.88e+07	1.30	y	44:56	1.11	1020				102	3.52e+06	2.72e+06	
PCB-169	*	*	n	NotFnd	1.23	*	1340	1040	0.679				
13C-PCB-169	2.77e+07	1.28	y	46:48	1.09	1000				100	4.03e+06	3.12e+06	

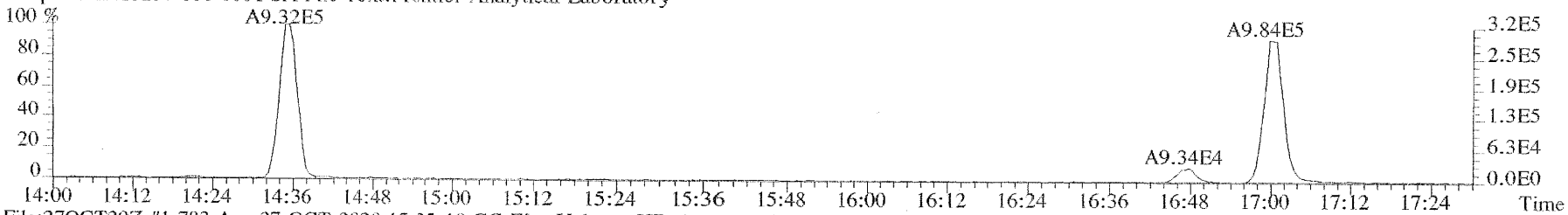
PCB-188	5.82e+04	1.15	y	39:46	1.23	2.61	-	-	*		
13C-PCB-188	1.81e+07	1.09	y	39:45	0.80	891				89.1	2.07e+06	1.90e+06
PCB-184	*	*	n	NotFnd	1.38	*	650	656	0.569		
PCB-179	7.41e+06	1.09	y	40:56	1.30	332	-	-	*		
PCB-176	2.28e+06	1.13	y	41:22	1.30	102	-	-	*		
PCB-186	*	*	n	NotFnd	1.28	*	650	656	0.612		
PCB-178	2.57e+06	1.07	y	42:24	0.94	159	-	-	*		
PCB-175	4.92e+05	1.17	y	42:44	0.99	28.9	-	-	*		
PCB-187	1.65e+07	1.07	y	42:52	1.07	898	-	-	*	Co-elute PCB 182	
PCB-182	1.65e+07	1.07	y	42:52	1.07	898	-	-	*	Co-elute PCB 187	
PCB-183	7.67e+06	1.10	y	43:11	1.04	430	-	-	*		
PCB-185	1.38e+06	1.10	y	43:48	0.96	83.7	-	-	*		
PCB-174	1.15e+07	1.09	y	44:10	1.01	659	-	-	*		
PCB-181	*	*	n	NotFnd	0.95	*	650	656	0.826		
PCB-177	7.03e+06	1.10	y	44:25	0.89	459	-	-	*		
PCB-171	3.47e+06	1.07	y	44:41	0.95	214	-	-	*		
PCB-173	2.55e+05	1.13	y	45:06	0.86	17.2	-	-	*		
PCB-172	1.92e+06	1.08	y	45:29	0.89	126	-	-	*		
PCB-192	*	*	n	NotFnd	1.18	*	650	656	0.666		
PCB-180	2.80e+07	1.07	y	45:50	0.94	1730	-	-	*		
PCB-193	1.79e+06	1.10	y	46:00	1.25	83.1	-	-	*		
PCB-191	6.28e+05	1.08	y	46:13	1.23	29.7	-	-	*		
PCB-170	1.05e+07	1.09	y	47:08	0.89	689	-	-	*		
PCB-190	2.99e+06	1.08	y	47:16	1.19	147	-	-	*		
PCB-189	5.63e+05	1.08	y	48:28	1.21	28.6	-	-	*		
13C-PCB-189	1.63e+07	1.10	y	48:28	0.73	879				87.8	2.32e+06	2.07e+06
PCB-202	8.95e+05	1.00	y	44:53	1.10	79.2	-	-	*		
PCB-201	6.59e+05	1.00	y	45:19	1.25	50.9	-	-	*		
PCB-204	*	*	n	NotFnd	1.19	*	456	448	0.809		
PCB-197	2.11e+05	0.92	y	45:44	1.20	17.0	-	-	*		
PCB-200	5.63e+05	0.97	y	46:28	1.21	45.1	-	-	*		
PCB-198	1.37e+05	0.86	y	47:37	0.81	16.4	-	-	*		
PCB-199	3.68e+06	0.95	y	47:44	0.93	384	-	-	*		
PCB-203	4.35e+06	0.93	y	47:59	0.93	454	-	-	*	Co-elute PCB 196	
PCB-196	4.35e+06	0.93	y	47:59	0.93	454	-	-	*	Co-elute PCB 203	
13C-PCB-202	1.03e+07	0.92	y	44:51	0.55	741				74.1	1.13e+06	1.22e+06
13C-PCB-178	1.33e+07	1.09	y	42:23	0.62	842				84.2	1.67e+06	1.56e+06
13C-PCB-138	2.54e+07	1.30	y	41:35	-	9.76					
PCB-195	3.75e+06	0.88	y	49:04	0.91	130	-	-	*		
PCB-194	9.70e+06	0.91	y	49:53	0.97	317	-	-	*		
PCB-205	6.69e+05	0.85	y	50:08	1.17	18.1	-	-	*		
13C-PCB-205	3.16e+07	0.91	y	50:07	1.20	991				99.0	5.12e+06	5.62e+06
PCB-208	9.97e+05	1.38	y	49:12	1.13	34.6	-	-	*		
13C-PCB-208	2.55e+07	0.81	y	49:10	0.98	980				97.9	3.80e+06	4.65e+06
PCB-207	4.93e+05	1.52	y	49:28	1.33	17.4	-	-	*		
PCB-206	2.79e+06	1.36	y	51:20	1.19	136	-	-	*		
13C-PCB-206	1.72e+07	0.83	y	51:19	0.70	932				93.1	2.58e+06	3.11e+06
PCB-209	1.22e+06	1.16	y	52:31	1.23	64.9	-	-	*		
13C-PCB-209	1.53e+07	1.23	y	52:29	0.70	827				82.7	2.40e+06	1.95e+06
13C-PCB-194	2.65e+07	0.92	y	49:51	-	10.1					

Analyst: _____ Date: 11/8/20

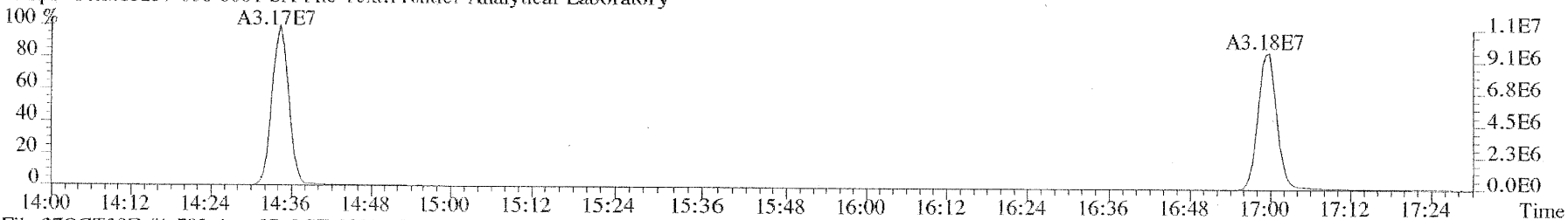
File:27OCT20Z #1-783 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



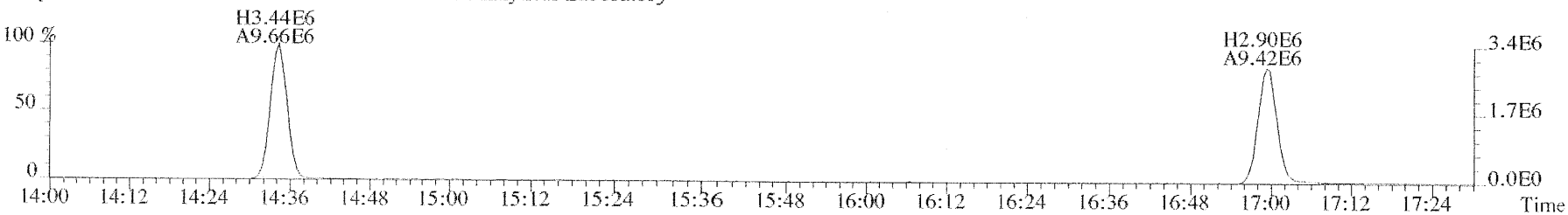
File:27OCT20Z #1-783 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



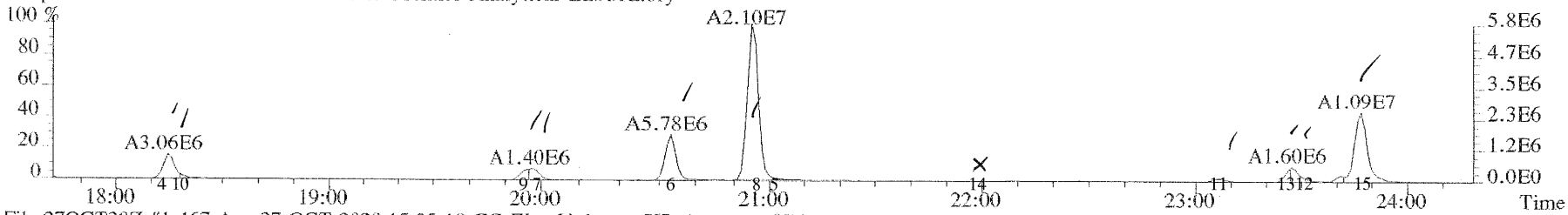
File:27OCT20Z #1-783 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



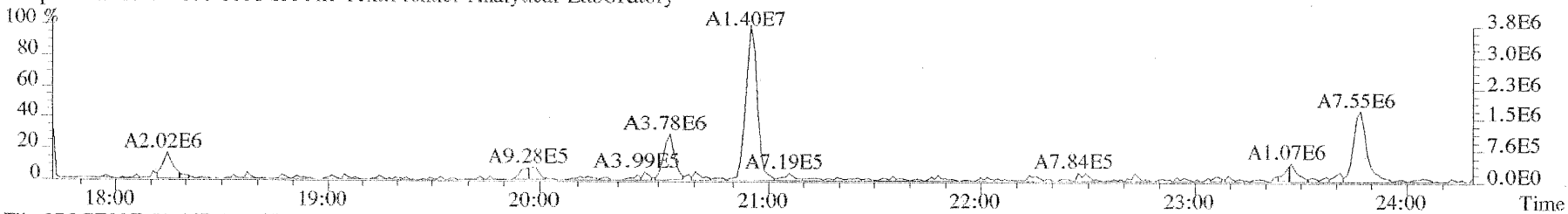
File:27OCT20Z #1-783 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



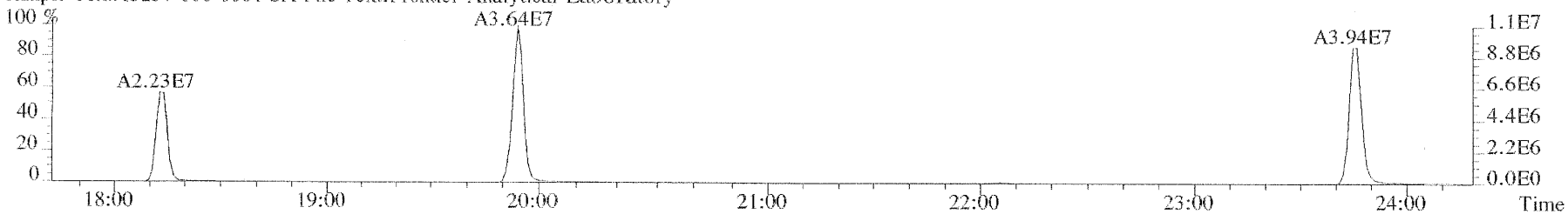
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



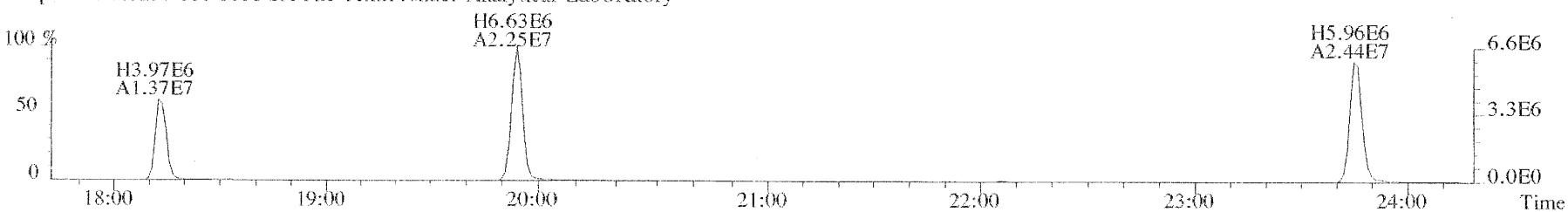
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



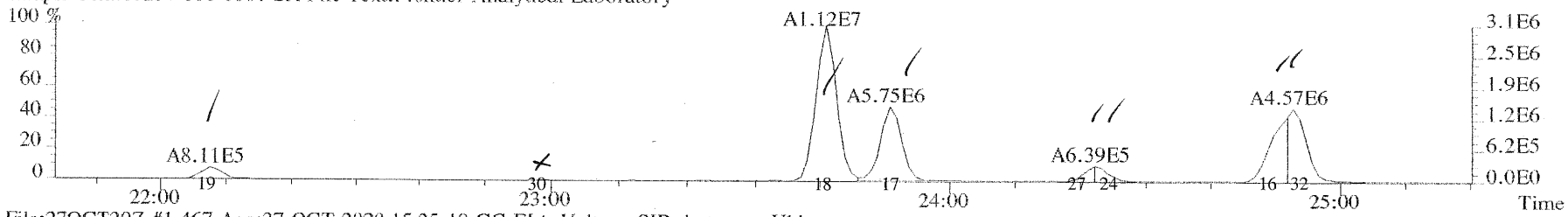
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



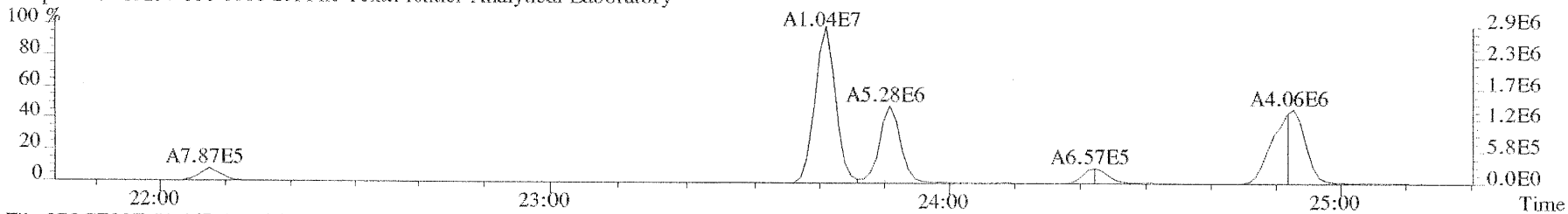
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



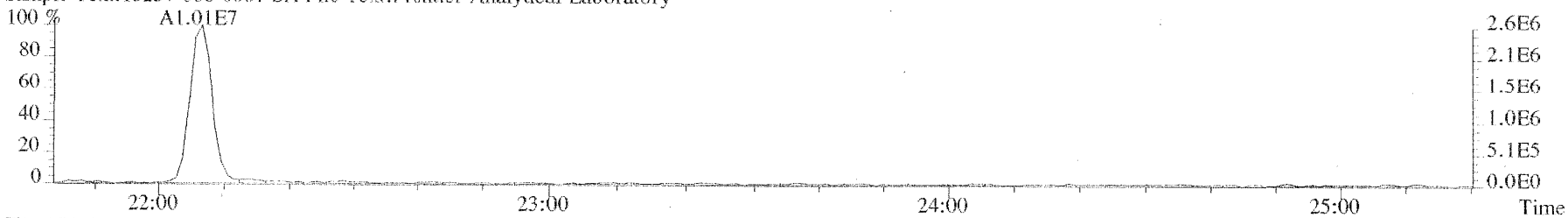
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



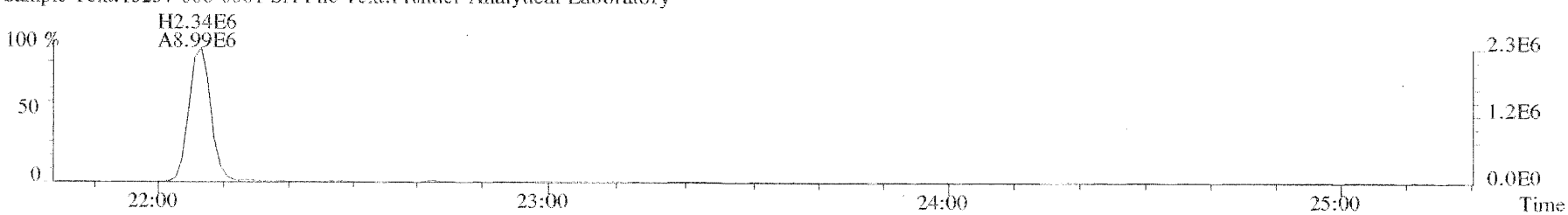
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



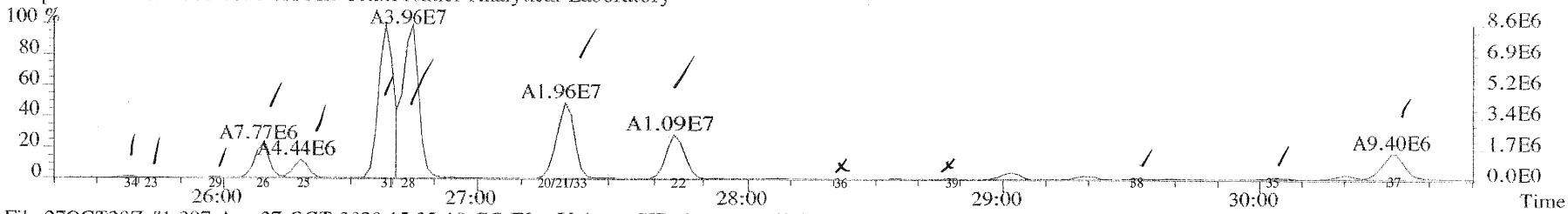
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



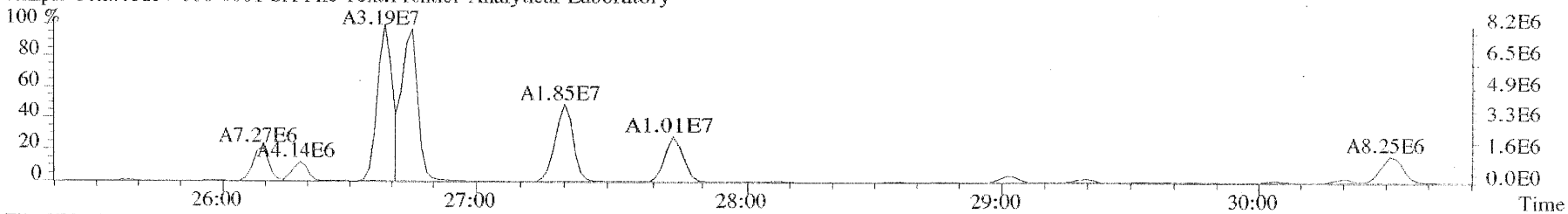
File:27OCT20Z #1-467 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



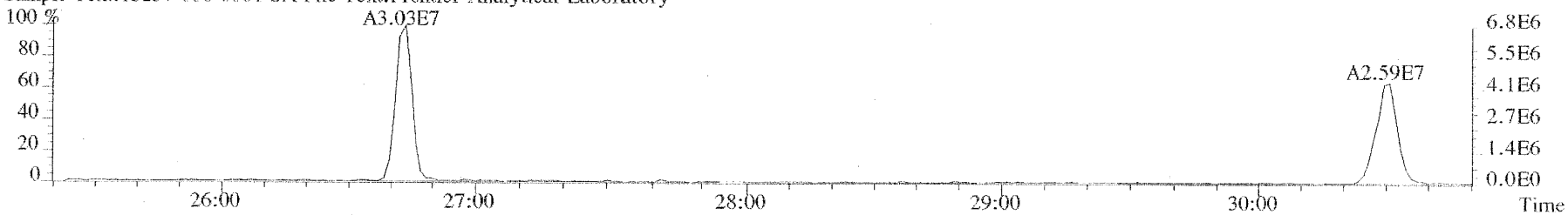
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



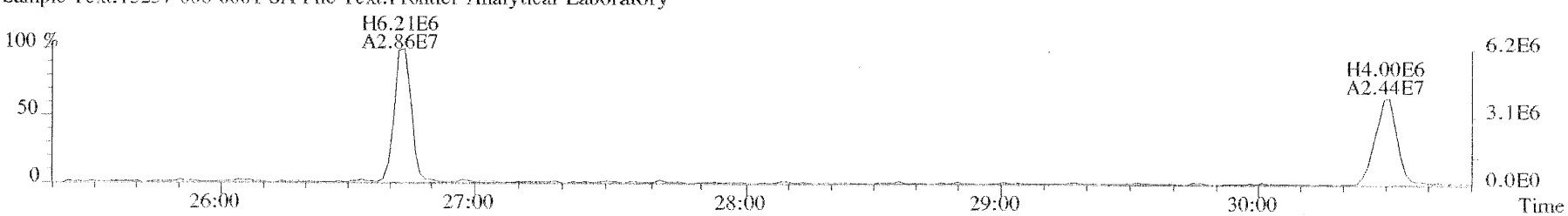
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



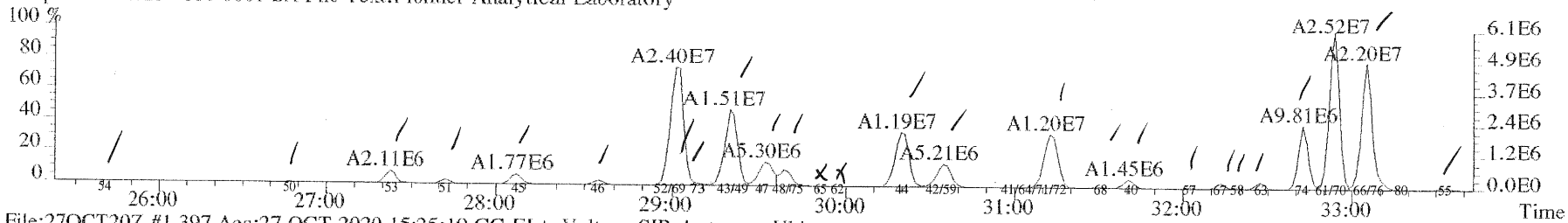
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



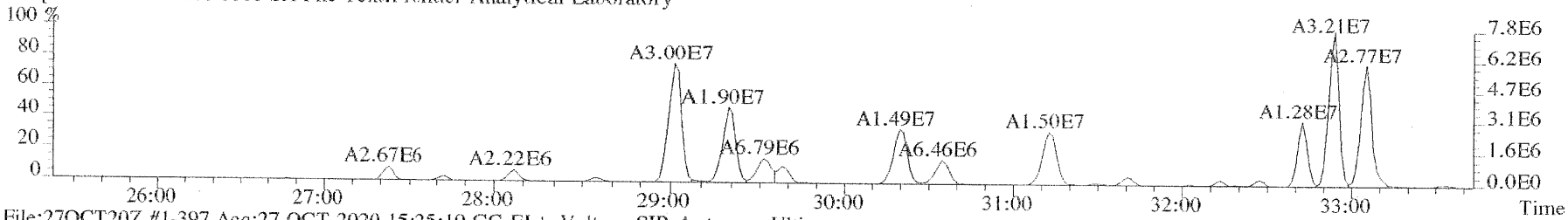
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



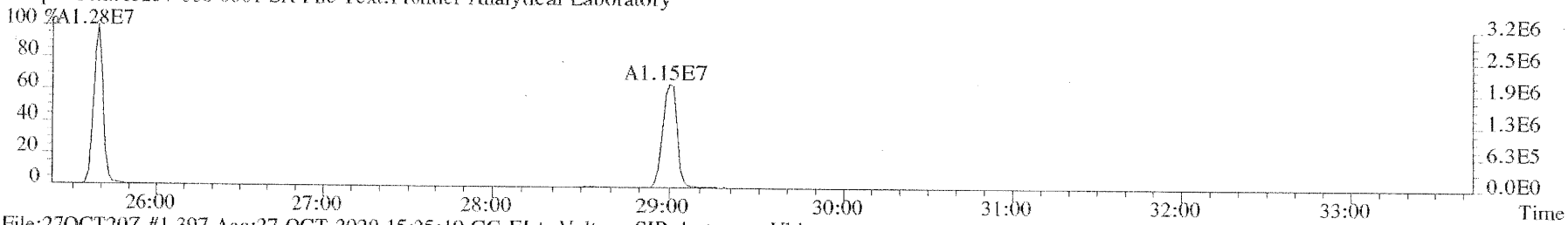
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



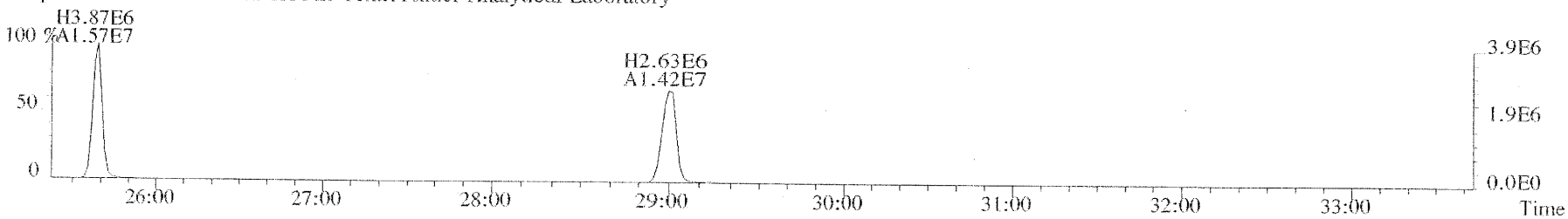
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



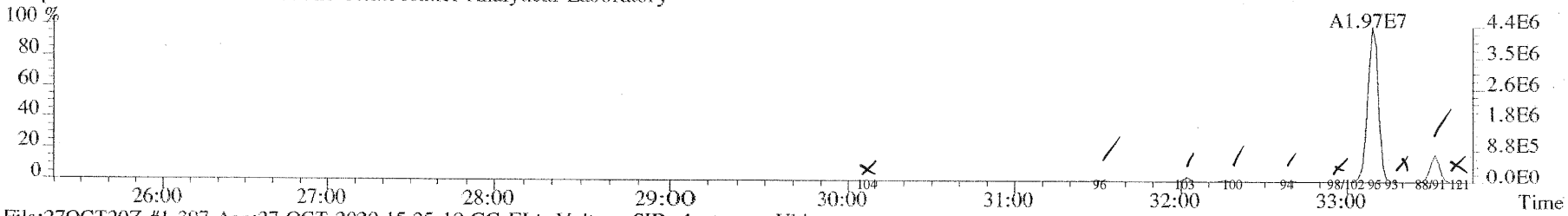
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



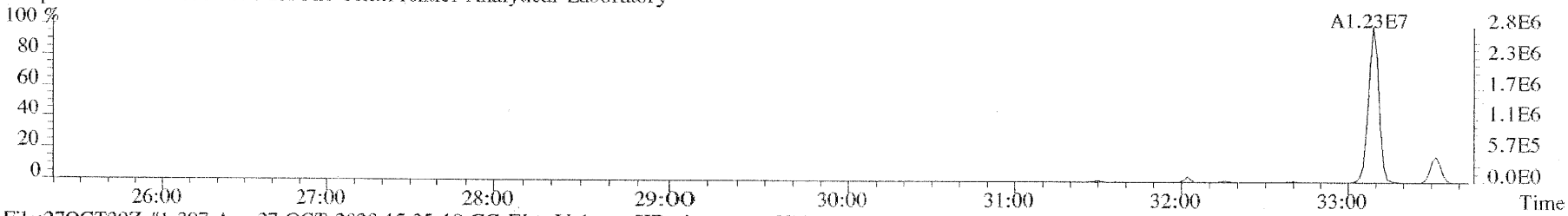
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



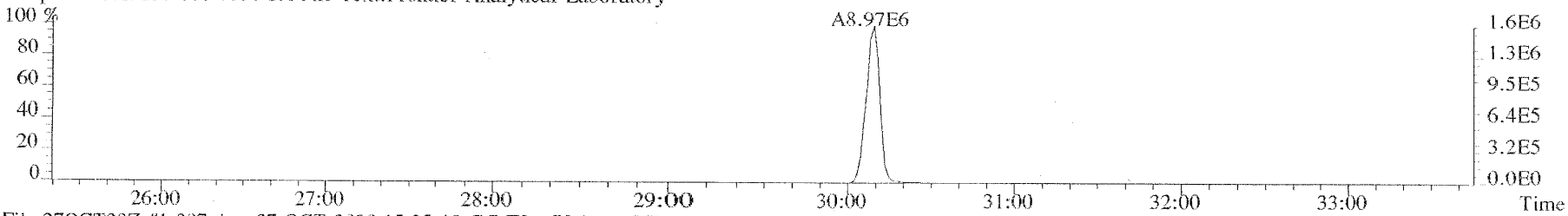
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



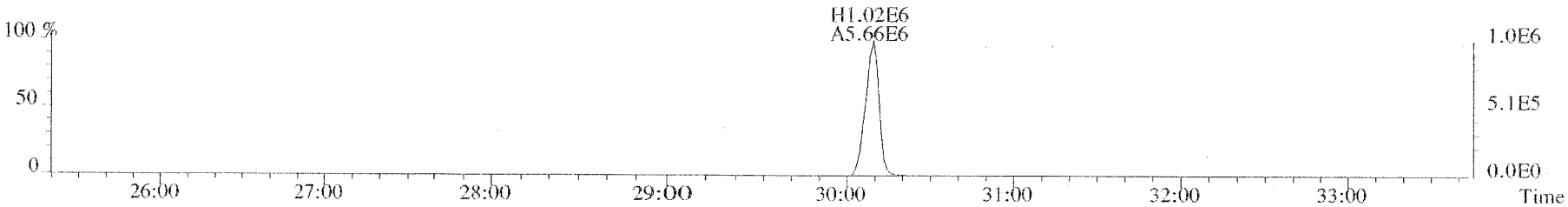
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



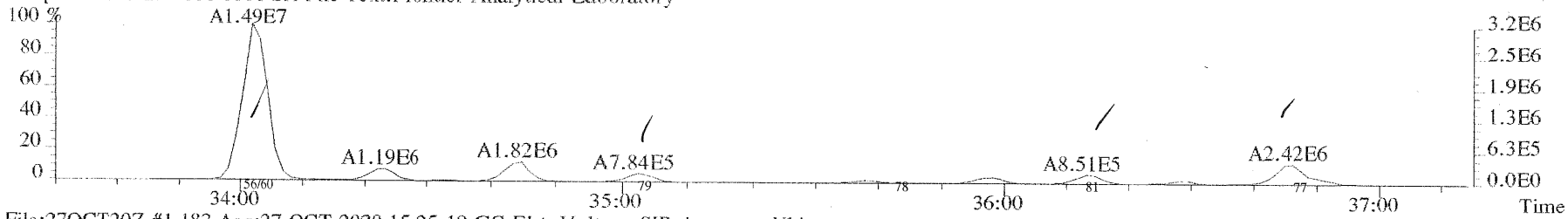
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



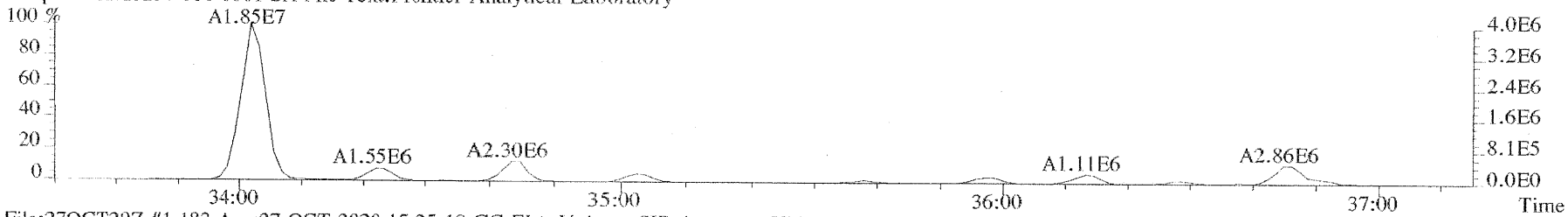
File:27OCT20Z #1-397 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



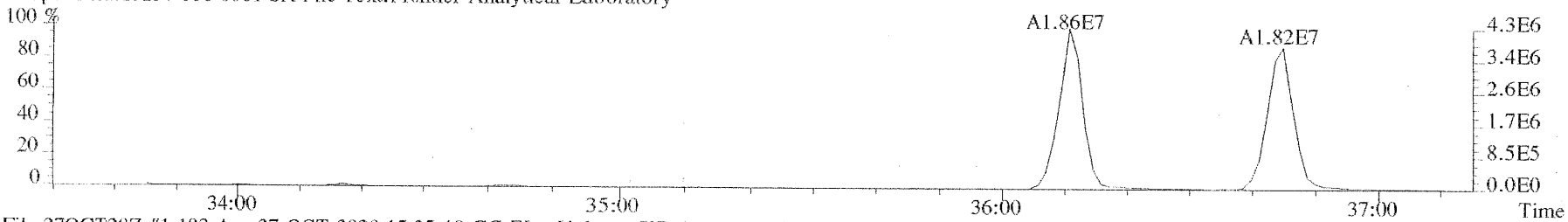
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



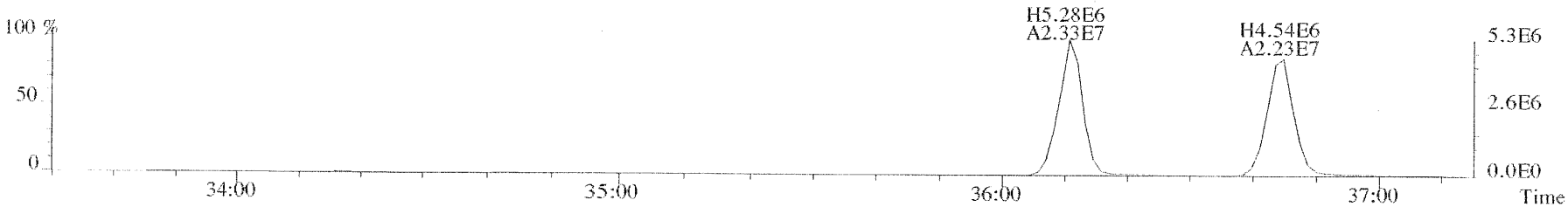
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



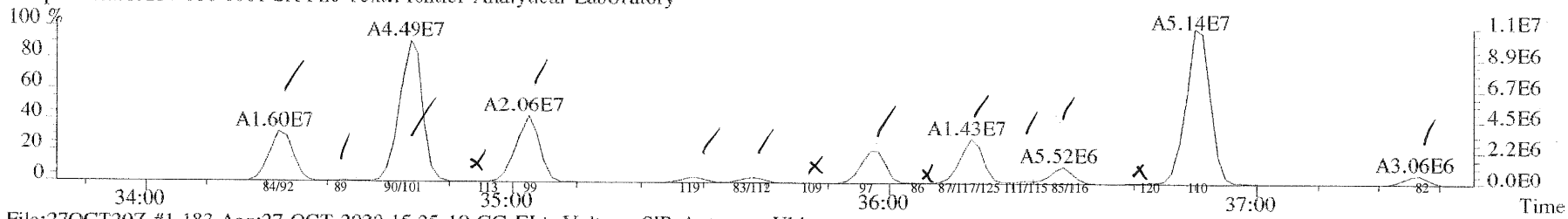
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



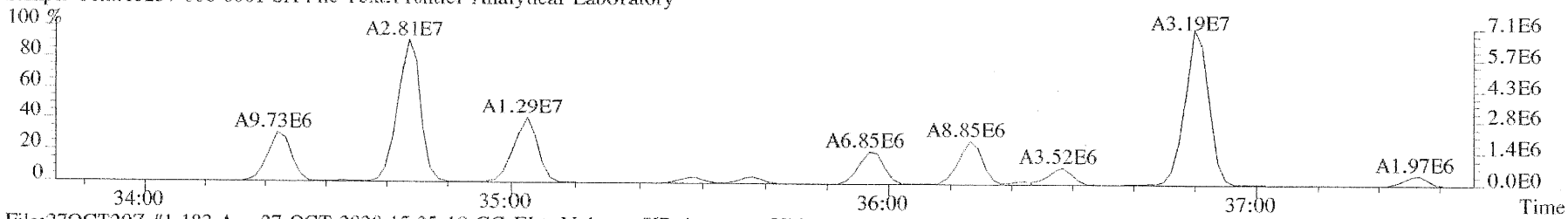
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



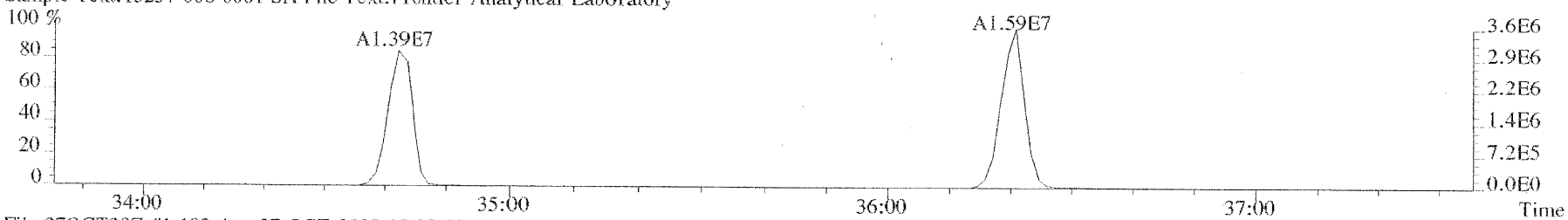
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



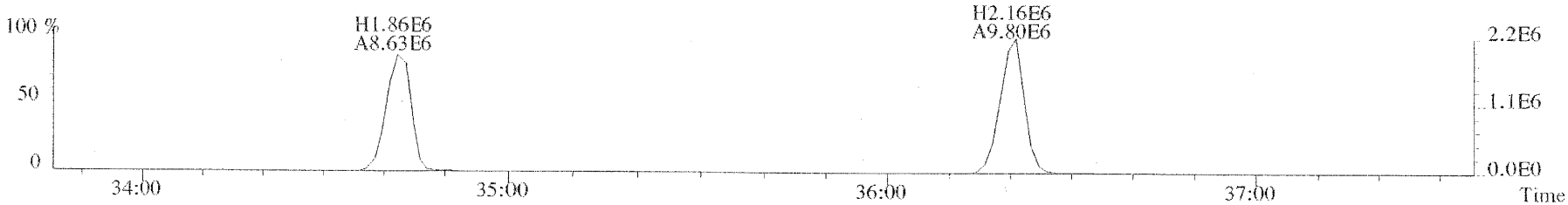
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



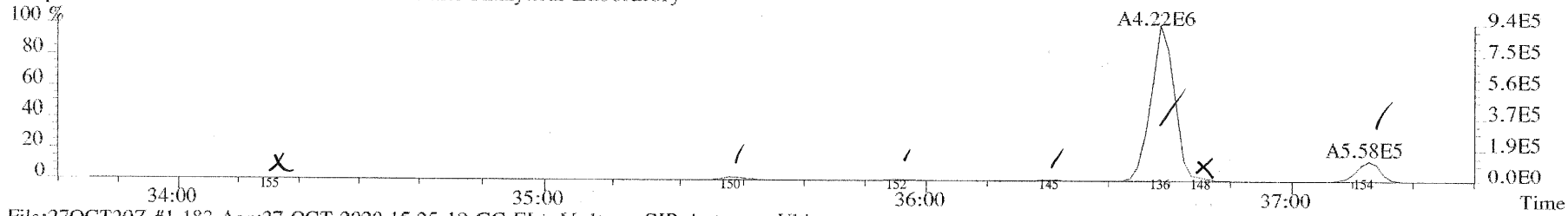
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



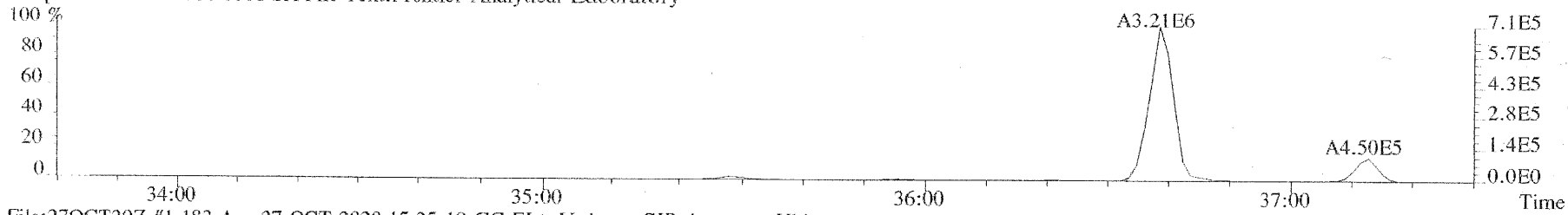
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



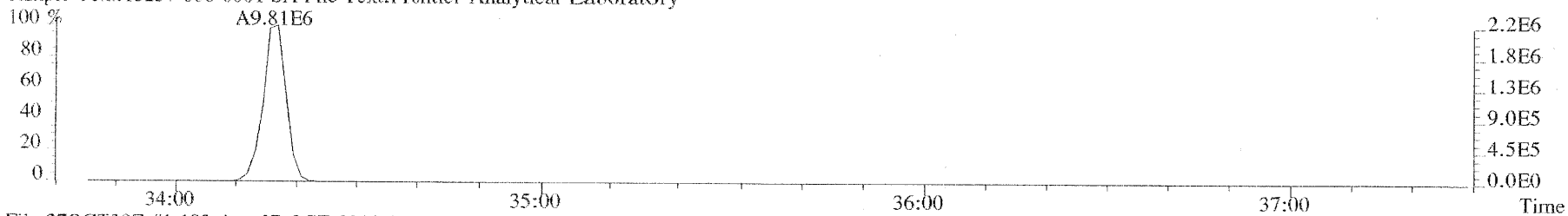
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



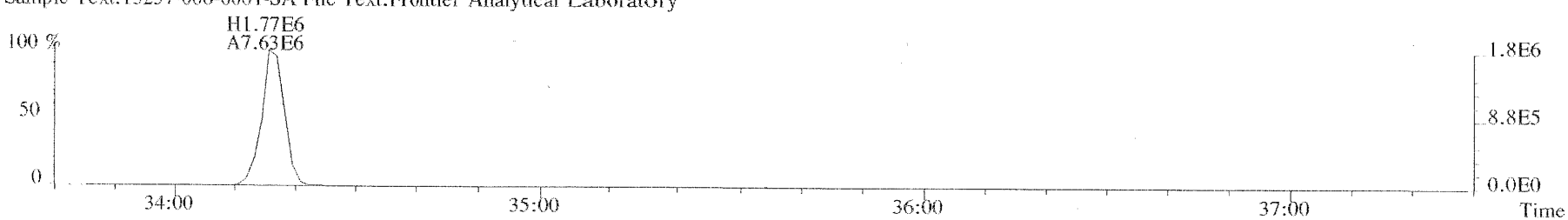
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



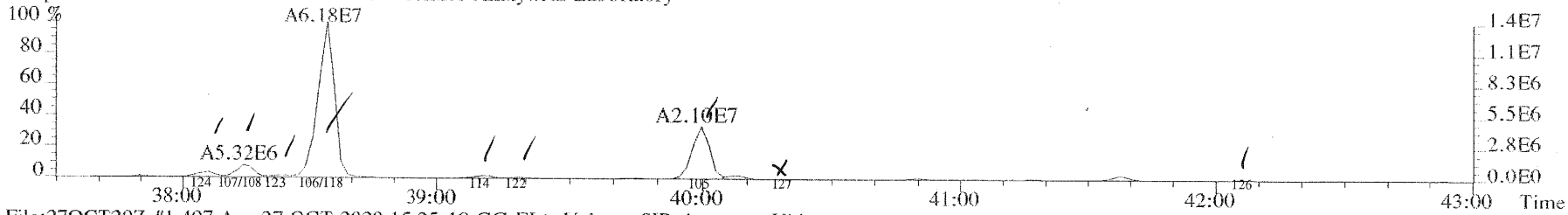
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



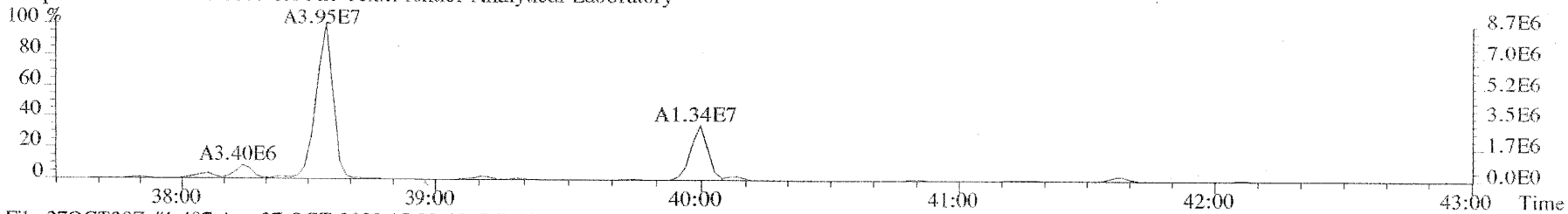
File:27OCT20Z #1-183 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



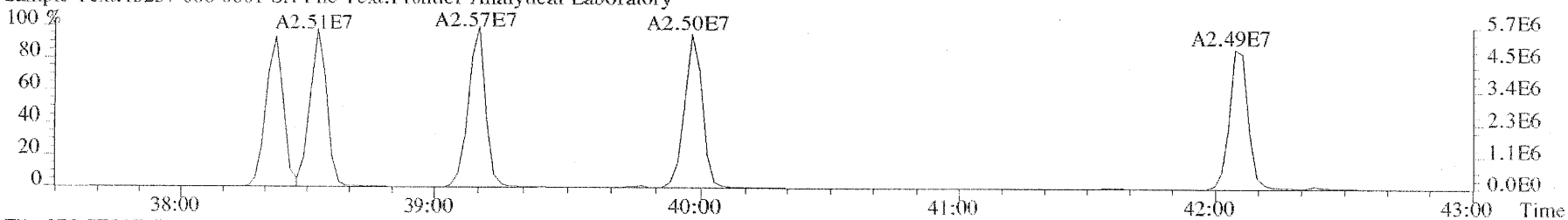
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



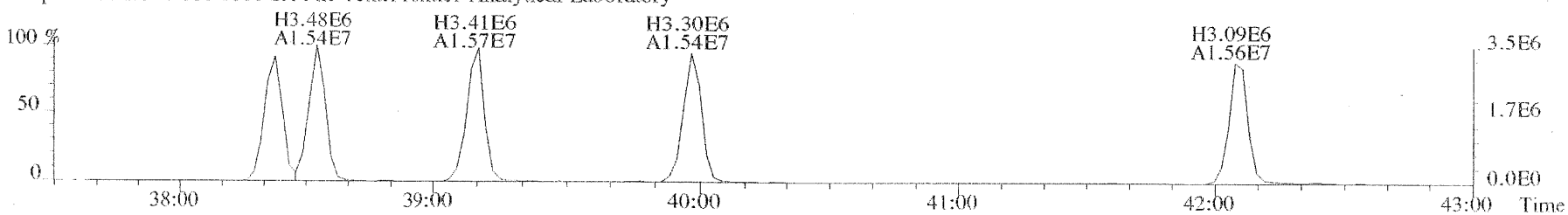
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



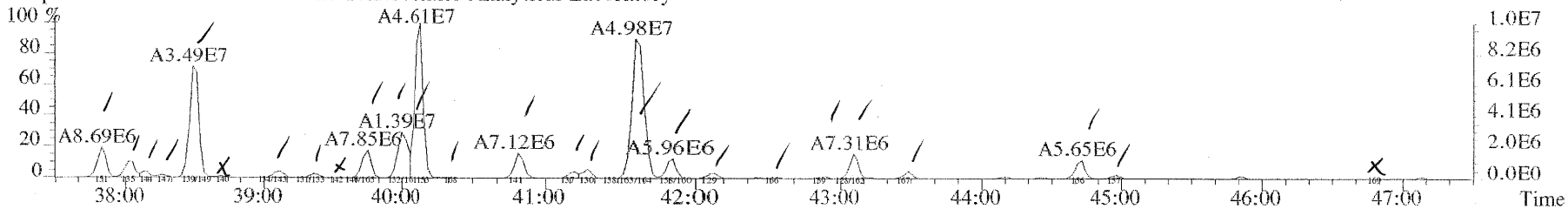
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



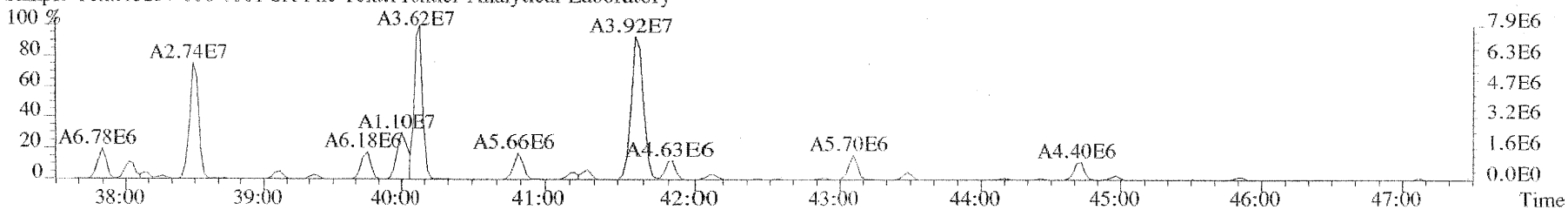
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



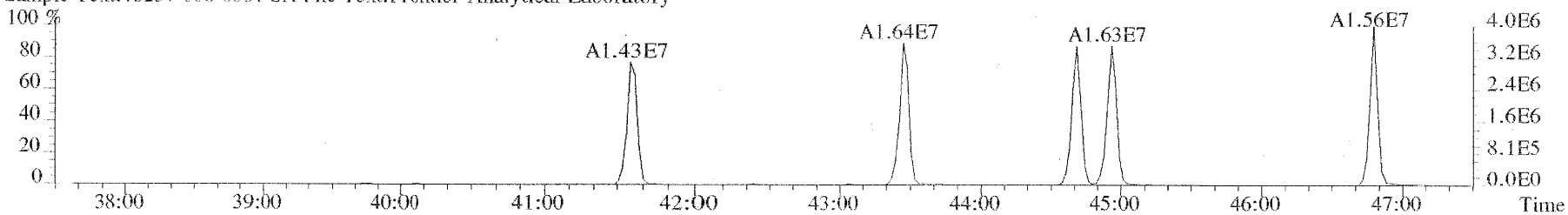
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



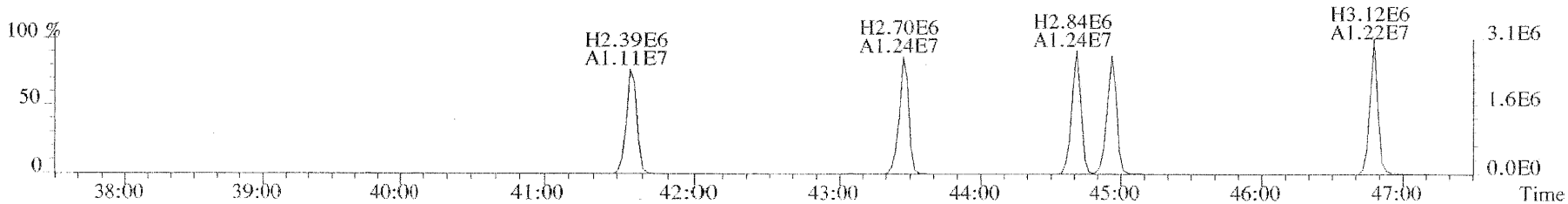
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



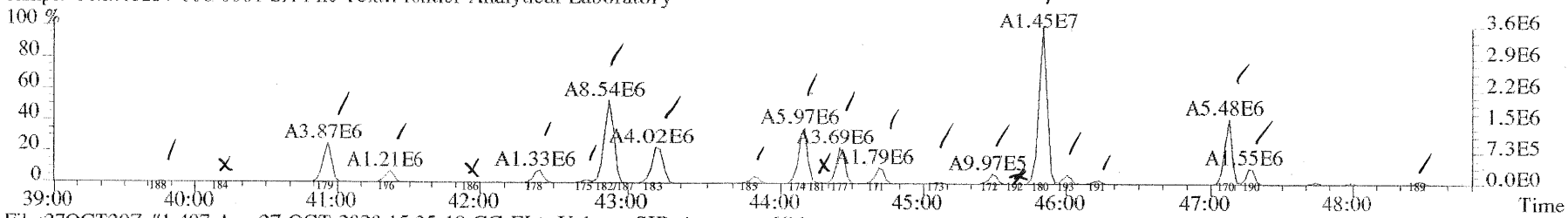
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



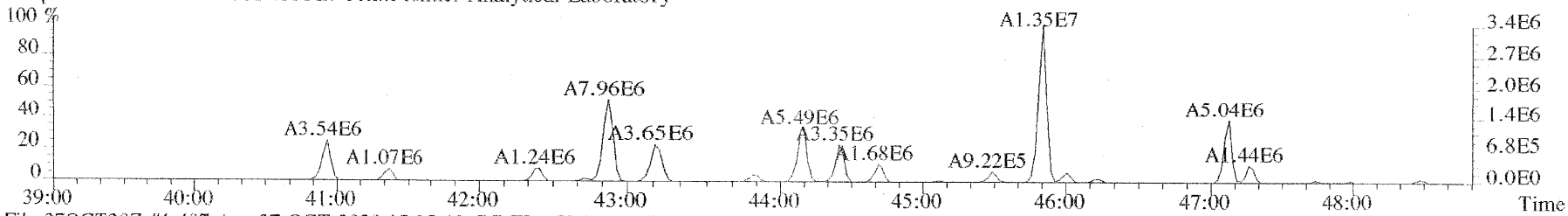
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



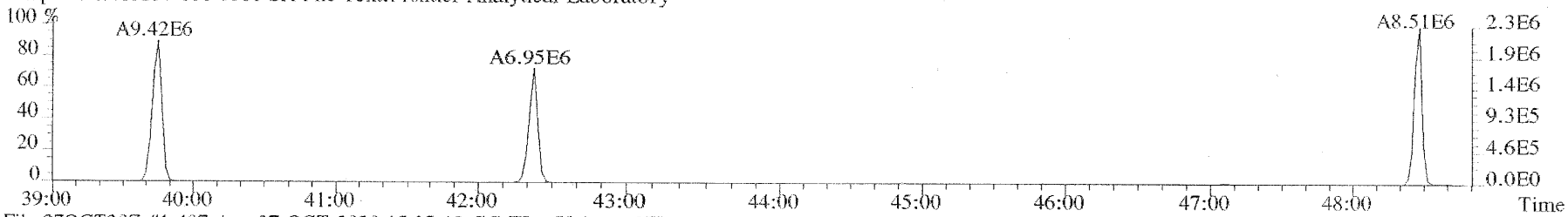
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



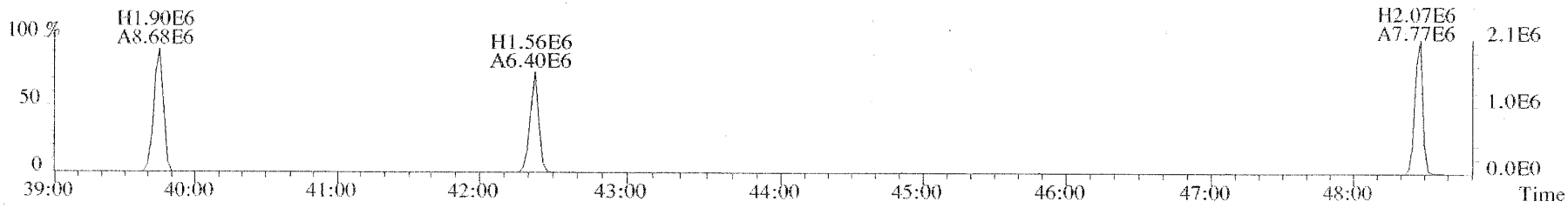
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



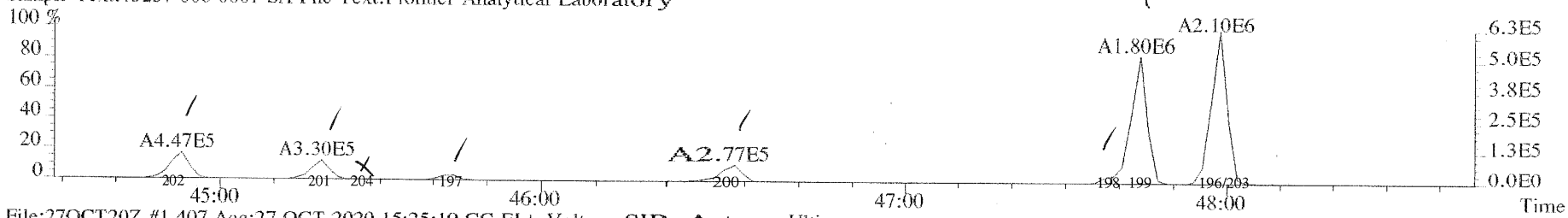
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



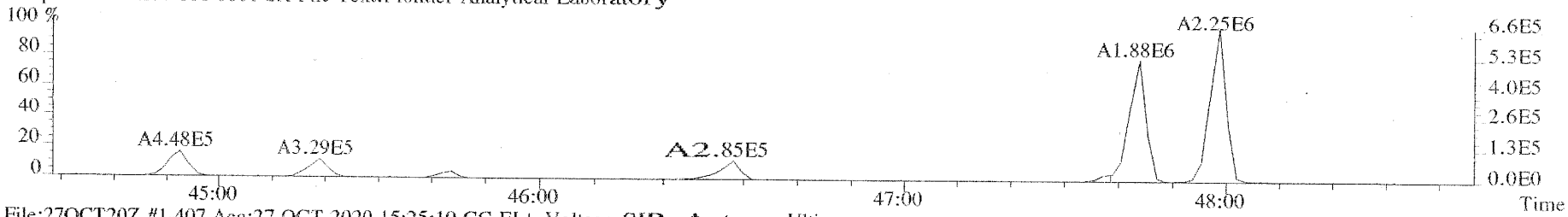
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



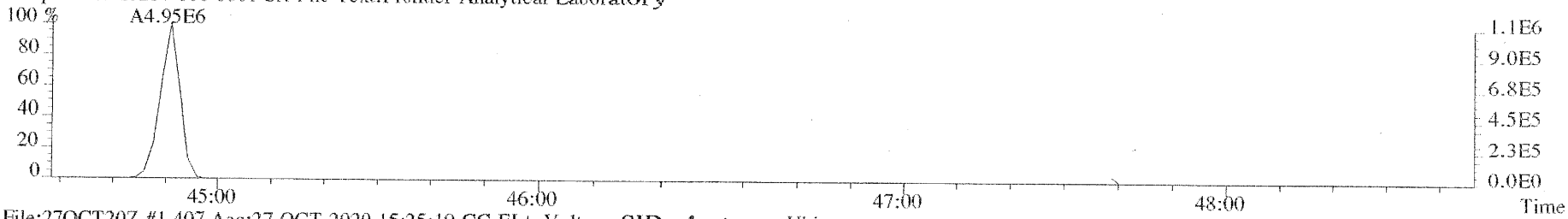
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



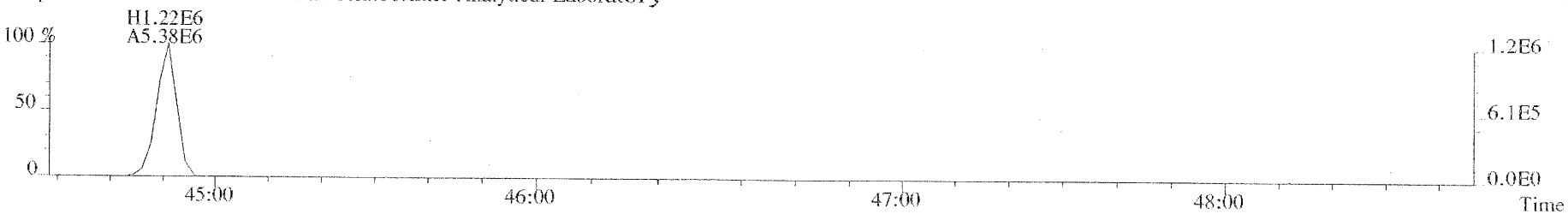
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



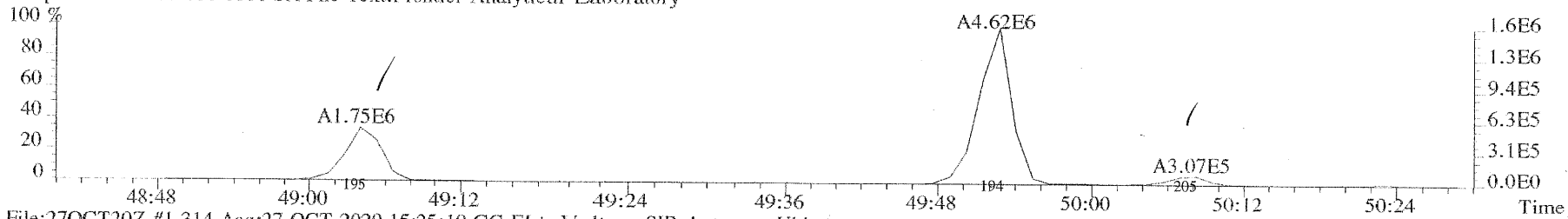
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



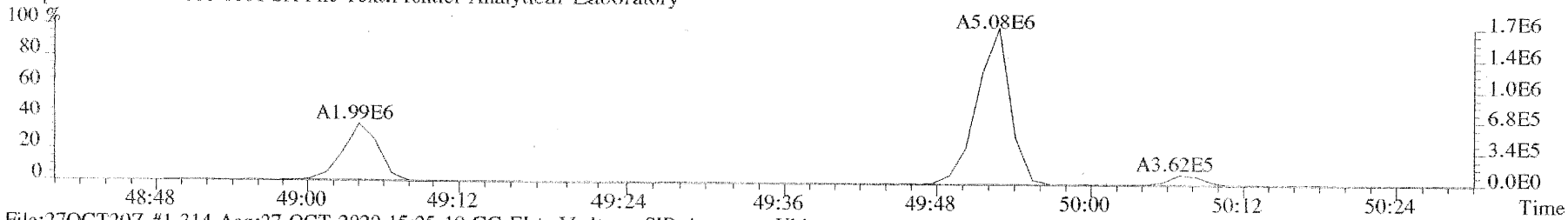
File:27OCT20Z #1-407 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



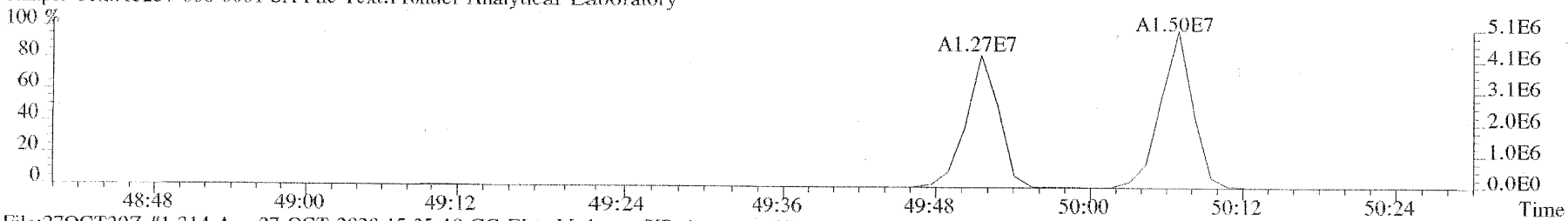
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



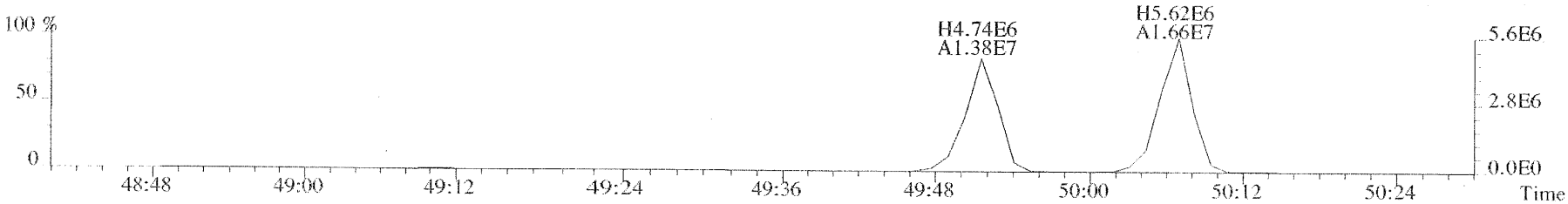
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



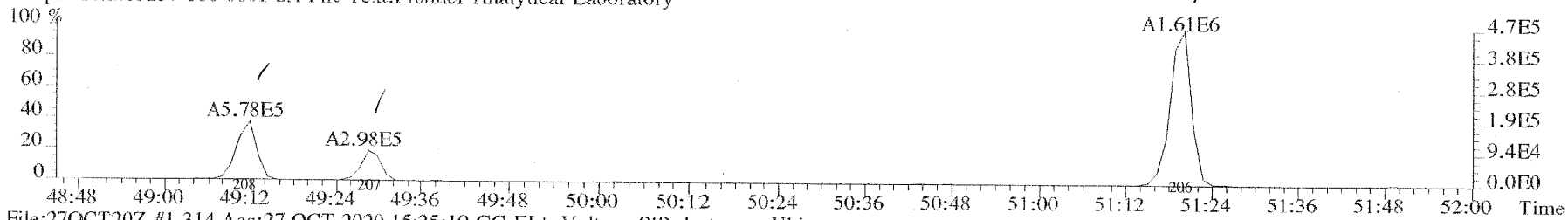
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



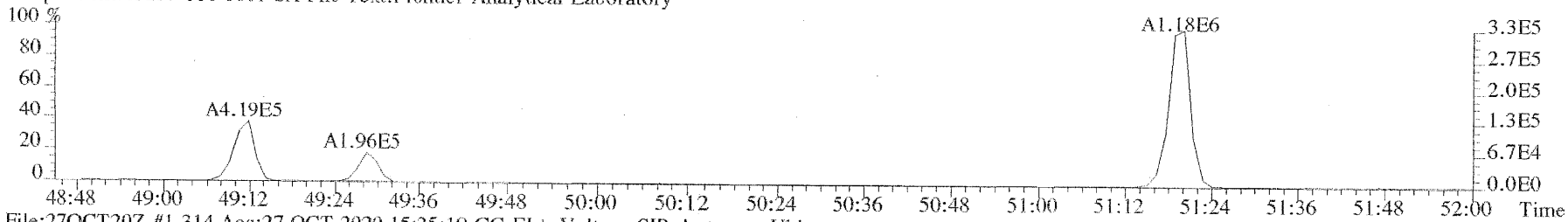
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



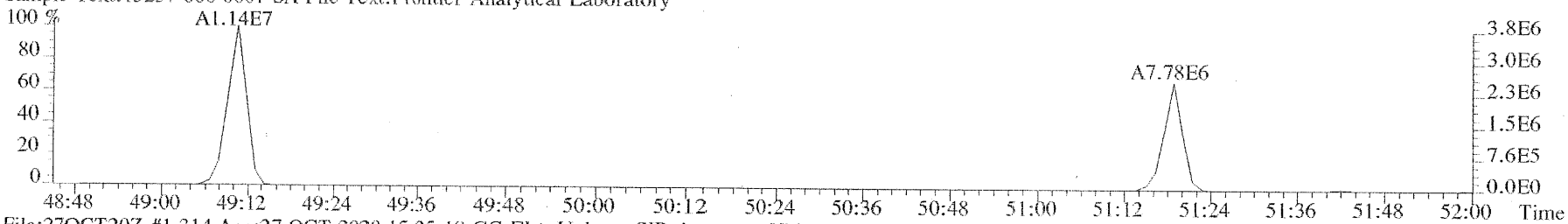
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



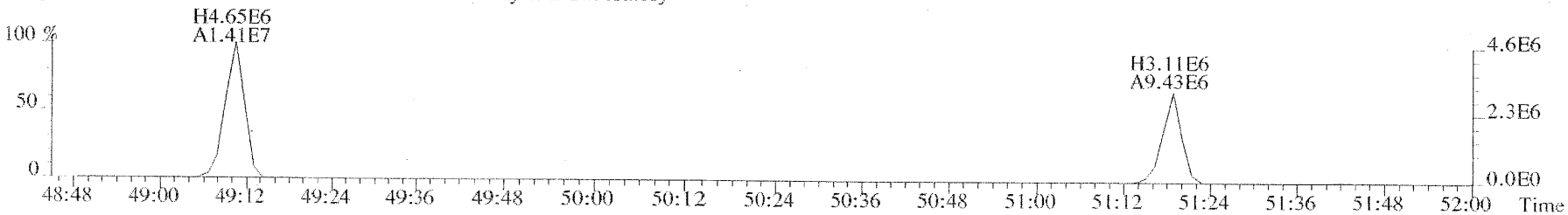
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



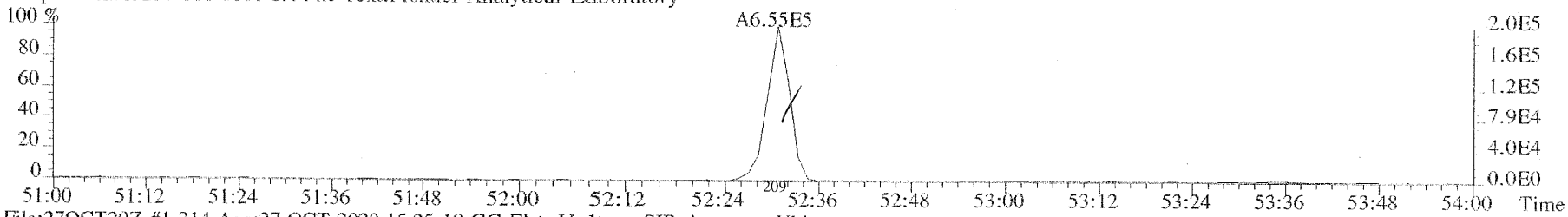
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



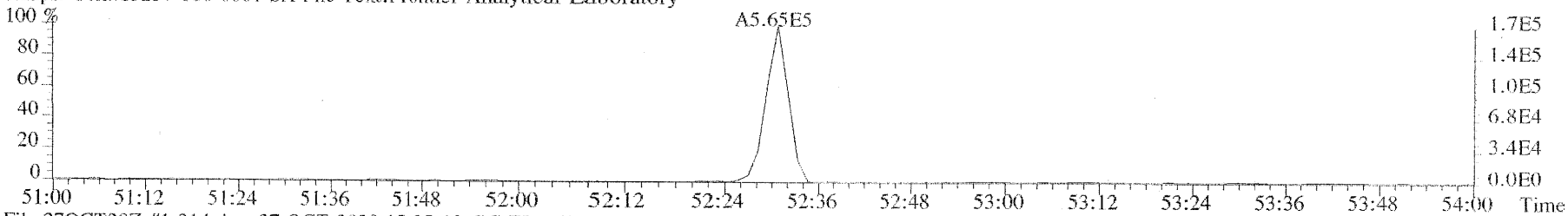
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



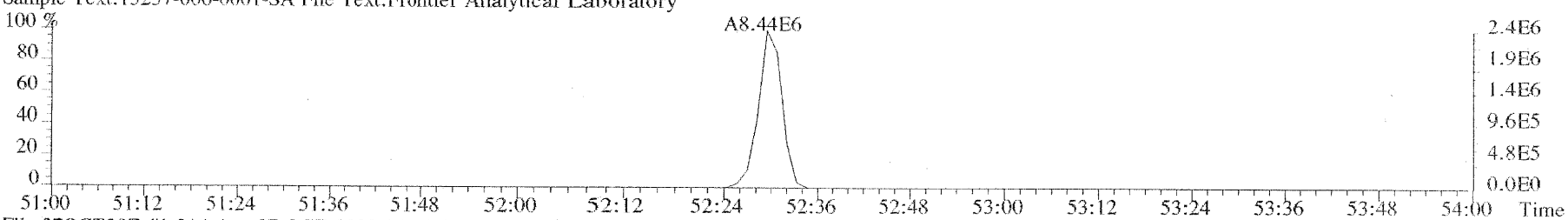
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



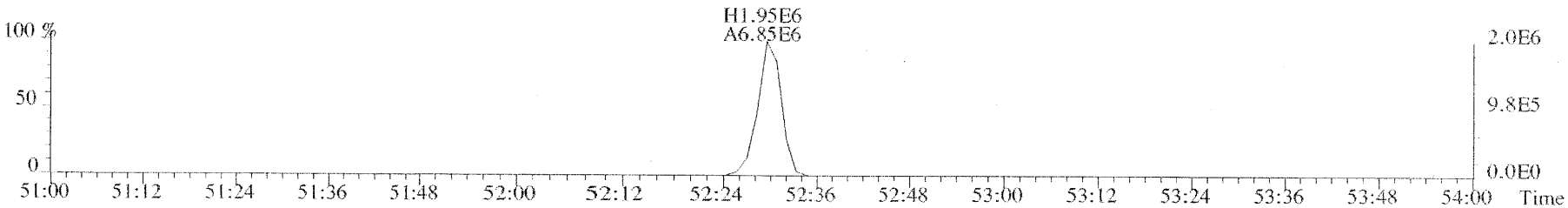
File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-006-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 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:13237-006-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 15:25:19 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:13237-006-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13237-008-0001-SA Filename: 27OCT20Z Sam:11 Acquired: 27-OCT-20 16:23:40 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR+AC-CC-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.39

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.30e+05	3.05 y	14:33	1.37	5.74		-	-	*			
13C-PCB-1	1.60e+07	3.29 y	14:31	0.75	852					88.5	3.75e+06	1.11e+06
PCB-2	1.87e+04	2.68 y	16:45	1.38	0.838	J	-	-	*			
PCB-3	7.37e+04	3.32 y	16:59	1.35	3.48		-	-	*			
13C-PCB-3	1.51e+07	3.39 y	16:58	0.74	809					84.0	3.04e+06	9.07e+05
PCB-4	8.23e+05	1.53 y	18:14	1.14	49.3		-	-	*			
PCB-10	1.24e+05	1.46 y	18:17	1.41	4.42		-	-	*			
13C-PCB-4	1.42e+07	1.56 y	18:13	0.64	881					91.5	2.35e+06	1.46e+06
PCB-9	2.45e+05	1.54 y	19:55	1.43	8.57		-	-	*			
PCB-7	2.57e+05	1.45 y	19:58	1.37	9.38		-	-	*			
PCB-6	1.42e+06	1.46 y	20:32	1.39	51.3		-	-	*			
PCB-8	4.83e+06	1.41 y	20:55	1.40	173		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		518	3190	1.27			
PCB-14	*	* n	NotFnd	1.46	*		518	3190	1.26			
PCB-11	1.33e+05	1.53 y	23:06	1.39	4.80		-	-	*			
PCB-13	1.25e+05	1.50 y	23:25	1.42	4.41		-	-	*			
PCB-12	3.53e+05	1.45 y	23:27	1.43	12.4		-	-	*			
PCB-15	2.83e+06	1.49 y	23:46	1.23	91.1		-	-	*			
13C-PCB-15	2.42e+07	1.67 y	23:45	1.07	902					93.7	3.53e+06	2.23e+06
PCB-19	3.64e+05	1.15 y	22:07	1.35	32.6		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		1260	648	1.14			
PCB-18	3.96e+06	1.09 y	23:40	1.44	333		-	-	*			
PCB-17	2.01e+06	1.09 y	23:50	1.51	161		-	-	*			
PCB-27	2.50e+05	1.12 y	24:21	1.99	15.2		-	-	*			
PCB-24	2.53e+05	1.18 y	24:22	1.96	15.6		-	-	*			
PCB-16	1.43e+06	1.05 y	24:51	1.60	108		-	-	*			
PCB-32	1.71e+06	1.13 y	24:52	1.78	116		-	-	*			
13C-PCB-19	7.96e+06	1.10 y	22:06	0.39	819					85.1	1.05e+06	9.19e+05
13C-PCB-9	2.41e+07	1.60 y	19:53	-	3.98							
PCB-34	1.04e+05	1.08 y	25:36	1.14	4.16		-	-	*			
PCB-23	*	* n	NotFnd	1.29	*		1280	1240	1.01			
PCB-29	8.30e+04	1.16 y	25:57	1.28	2.96		-	-	*			
PCB-26	2.34e+06	1.11 y	26:09	1.26	84.4		-	-	*			
PCB-25	1.35e+06	1.10 y	26:18	1.19	51.9		-	-	*			
PCB-31	9.41e+06	1.04 y	26:38	1.33	322		-	-	*			
PCB-28	1.07e+07	1.12 y	26:43	1.36	358		-	-	*			
PCB-20	6.20e+06	1.08 y	27:20	1.20	236		-	-	*		Co-elute PCB 21/33	
PCB-21	6.20e+06	1.08 y	27:20	1.20	236		-	-	*		Co-elute PCB 20/33	
PCB-33	6.20e+06	1.08 y	27:20	1.20	236		-	-	*		Co-elute PCB 20/21	
PCB-22	3.39e+06	1.09 y	27:44	1.29	121		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1280	1240	1.03			
PCB-39	*	* n	NotFnd	1.28	*		1280	1240	1.02			
PCB-38	1.06e+05	0.96 y	29:30	1.34	3.60		-	-	*			
PCB-35	1.59e+05	1.06 y	30:02	1.23	5.87		-	-	*			
PCB-37	2.78e+06	1.08 y	30:26	1.25	101		-	-	*			
13C-PCB-37	2.11e+07	1.03 y	30:25	1.93	898					93.3	2.44e+06	2.22e+06

PCB-54	2.43e+04	0.74	y	25:39	1.33	1.42	J	-	-	*			
PCB-50	2.90e+04	0.72	y	26:46	1.10	2.05		-	-	*			
PCB-53	8.98e+05	0.78	y	27:22	1.08	64.9		-	-	*			
PCB-51	2.87e+05	0.77	y	27:41	1.11	20.2		-	-	*			
PCB-45	7.99e+05	0.77	y	28:07	0.96	64.7		-	-	*			
PCB-46	3.14e+05	0.83	y	28:33	0.92	26.6		-	-	*			
PCB-52	7.25e+06	0.77	y	29:00	1.11	506		-	-	*	Co-elute PCB 69		
PCB-69	7.25e+06	0.77	y	29:00	1.11	506		-	-	*	Co-elute PCB 52		
PCB-73	1.34e+05	0.83	y	29:05	1.45	7.17		-	-	*			
PCB-43	4.93e+06	0.80	y	29:18	1.05	366		-	-	*	Co-elute PCB 49		
PCB-49	4.93e+06	0.80	y	29:18	1.05	366		-	-	*	Co-elute PCB 43		
PCB-47	1.80e+06	0.81	y	29:30	1.09	129		-	-	*			
PCB-48	1.53e+06	0.81	y	29:36	1.31	90.7		-	-	*	Co-elute PCB 75		
PCB-75	1.53e+06	0.81	y	29:36	1.31	90.7		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		729	960	0.943			
PCB-62	*	*	n	NotFnd	1.35	*		729	960	0.942			
PCB-44	4.39e+06	0.76	y	30:16	0.91	373		-	-	*			
PCB-42	2.19e+06	0.77	y	30:28	1.13	151		-	-	*	Co-elute PCB 59		
PCB-59	2.19e+06	0.77	y	30:28	1.13	151		-	-	*	Co-elute PCB 42		
PCB-72	5.45e+06	0.76	y	31:01	1.27	335		-	-	*	Co-elute PCB 41/71/64		
PCB-41	5.45e+06	0.76	y	31:01	1.27	335		-	-	*	Co-elute PCB 72/71/64		
PCB-71	5.45e+06	0.76	y	31:01	1.27	335		-	-	*	Co-elute PCB 72/41/64		
PCB-64	5.45e+06	0.76	y	31:01	1.27	335		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.19e+05	0.78	y	31:14	1.48	6.28		-	-	*			
PCB-40	8.06e+05	0.73	y	31:26	0.82	76.9		-	-	*			
PCB-57	6.87e+04	0.79	y	31:48	1.40	3.81		-	-	*			
PCB-67	2.85e+05	0.73	y	32:06	1.44	15.4		-	-	*			
PCB-58	5.68e+04	0.80	y	32:11	1.35	3.26		-	-	*			
PCB-63	3.18e+05	0.81	y	32:20	1.41	17.5		-	-	*			
PCB-74	3.44e+06	0.78	y	32:37	1.44	187		-	-	*			
PCB-61	7.53e+06	0.79	y	32:49	1.29	453		-	-	*	Co-elute PCB 70		
PCB-70	7.53e+06	0.79	y	32:49	1.29	453		-	-	*	Co-elute PCB 61		
PCB-76	7.66e+06	0.76	y	33:01	1.45	410		-	-	*	Co-elute PCB 66		
PCB-66	7.66e+06	0.76	y	33:01	1.45	410		-	-	*	Co-elute PCB 76		
PCB-80	1.92e+05	0.86	y	33:10	1.63	9.21		-	-	*			
PCB-55	1.73e+05	0.85	y	33:32	1.44	9.38		-	-	*			
13C-PCB-54	1.24e+07	0.79	y	25:38	1.12	908					94.3	1.39e+06	1.82e+06
PCB-104	*	*	n	NotFnd	1.23	*		372	364	0.692			
PCB-96	5.95e+04	1.55	y	31:16	1.21	6.36		-	-	*			
PCB-103	6.18e+04	1.34	y	31:47	1.03	7.72		-	-	*			
PCB-100	2.54e+04	1.57	y	32:07	1.04	3.16		-	-	*			
PCB-94	2.60e+04	1.44	y	32:35	0.87	3.87		-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		372	364	0.996	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		372	364	0.996	Co-elute PCB 98		
PCB-95	3.52e+06	1.65	y	33:05	1.01	449		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		372	364	0.996			
PCB-88	6.69e+05	1.55	y	33:28	0.96	89.4		-	-	*	Co-elute PCB 91		
PCB-91	6.69e+05	1.55	y	33:28	0.96	89.4		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*		372	364	0.740			
13C-PCB-104	7.46e+06	1.58	y	30:06	0.70	872					90.6	1.28e+06	7.96e+05
13C-PCB-28	2.16e+07	1.02	y	26:42	2.24	795					82.6	2.64e+06	2.53e+06
13C-PCB-52	1.17e+07	0.82	y	28:59	-	4.13							

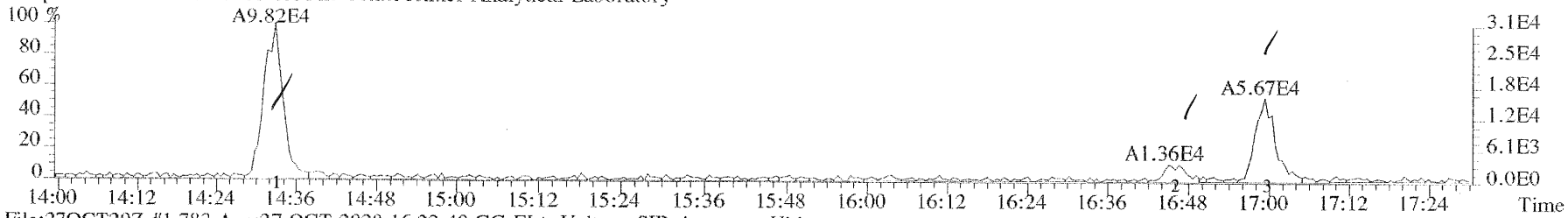
PCB-56	5.63e+06	0.80	y	33:59	1.24	264	-	-	*		Co-elute PCB 60
PCB-60	5.63e+06	0.80	y	33:59	1.24	264	-	-	*		Co-elute PCB 56
PCB-79	2.12e+05	0.69	y	34:60	1.31	9.41	-	-	*		
PCB-78	*	*	n	NotFnd	1.31	*	810	980	0.974		
PCB-81	2.67e+05	0.75	y	36:11	1.37	11.5	-	-	*		
13C-PCB-81	1.63e+07	0.78	y	36:08	1.87	824				85.6	1.55e+06 1.87e+06
PCB-77	8.45e+05	0.78	y	36:45	1.25	38.7	-	-	*		
13C-PCB-77	1.68e+07	0.81	y	36:42	1.90	836				86.9	1.48e+06 1.84e+06
PCB-155	*	*	n	NotFnd	1.14	*	424	321	0.735		
PCB-150	*	*	n	NotFnd	1.15	*	424	321	0.734		
PCB-152	*	*	n	NotFnd	1.12	*	424	321	0.753		
PCB-145	*	*	n	NotFnd	1.10	*	424	321	0.766		
PCB-136	7.57e+05	1.28	y	36:37	1.05	83.7	-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*	424	321	0.915		
PCB-154	8.50e+04	1.25	y	37:10	1.01	9.73	-	-	*		
13C-PCB-155	8.29e+06	1.29	y	34:13	0.94	828				86.0	1.21e+06 9.26e+05
13C-PCB-111	1.09e+07	1.61	y	36:18	1.27	810				84.2	1.57e+06 9.59e+05
13C-PCB-101	1.02e+07	1.59	y	34:40	-	4.30					
PCB-84	2.83e+06	1.57	y	34:19	0.61	267	-	-	*		Co-elute PCB 92
PCB-92	2.83e+06	1.57	y	34:19	0.61	267	-	-	*		Co-elute PCB 84
PCB-89	1.22e+05	1.53	y	34:30	0.59	11.8	-	-	*		
PCB-90	7.22e+06	1.54	y	34:41	0.69	600	-	-	*		Co-elute PCB 101
PCB-101	7.22e+06	1.54	y	34:41	0.69	600	-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*	960	820	1.41		
PCB-99	3.50e+06	1.53	y	35:00	0.74	272	-	-	*		
PCB-119	2.82e+05	1.37	y	35:26	0.91	17.7	-	-	*		
PCB-83	3.81e+05	1.43	y	35:35	0.72	30.4	-	-	*		Co-elute PCB 112
PCB-112	3.81e+05	1.43	y	35:35	0.72	30.4	-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*	960	820	1.37		
PCB-97	1.98e+06	1.53	y	35:55	0.60	190	-	-	*		
PCB-86	6.75e+04	1.52	y	36:03	0.57	6.85	-	-	*		
PCB-125	2.68e+06	1.58	y	36:11	0.81	189	-	-	*		Co-elute PCB 87/117
PCB-87	2.68e+06	1.58	y	36:11	0.81	189	-	-	*		Co-elute PCB 125/117
PCB-117	2.68e+06	1.58	y	36:11	0.81	189	-	-	*		Co-elute PCB 125/87
PCB-111	1.93e+05	1.65	y	36:19	0.89	12.5	-	-	*		Co-elute PCB 115
PCB-115	1.93e+05	1.65	y	36:19	0.89	12.5	-	-	*		Co-elute PCB 111
PCB-85	1.14e+06	1.57	y	36:26	0.77	84.8	-	-	*		Co-elute PCB 116
PCB-116	1.14e+06	1.57	y	36:26	0.77	84.8	-	-	*		Co-elute PCB 85
PCB-120	5.04e+04	1.53	y	36:38	0.94	3.08	-	-	*		
PCB-110	8.61e+06	1.54	y	36:49	0.89	555	-	-	*		
PCB-82	6.63e+05	1.48	y	37:24	0.56	68.0	-	-	*		
PCB-124	4.53e+05	1.40	y	38:03	1.25	20.8	-	-	*		
PCB-108	8.50e+05	1.53	y	38:13	1.18	41.3	-	-	*		Co-elute PCB 107
PCB-107	8.50e+05	1.53	y	38:13	1.18	41.3	-	-	*		Co-elute PCB 108
PCB-123	2.16e+05	1.42	y	38:21	1.08	11.6	-	-	*		
13C-PCB-123	1.67e+07	1.57	y	38:21	1.54	929				96.5	2.29e+06 1.41e+06
PCB-118	9.91e+06	1.56	y	38:32	1.17	451	-	-	*		Co-elute PCB 106
PCB-106	9.91e+06	1.56	y	38:32	1.17	451	-	-	*		Co-elute PCB 118
13C-PCB-118	1.81e+07	1.65	y	38:31	1.60	968				101	2.57e+06 1.61e+06
PCB-114	2.63e+05	1.59	y	39:09	1.19	13.7	-	-	*		
13C-PCB-114	1.56e+07	1.61	y	39:07	1.57	847				88.0	1.96e+06 1.21e+06
PCB-122	1.57e+05	1.35	y	39:17	1.23	7.35	-	-	*		
PCB-105	3.77e+06	1.56	y	39:58	1.24	176	-	-	*		
13C-PCB-105	1.66e+07	1.61	y	39:56	1.52	934				97.1	2.36e+06 1.48e+06

PCB-127	*	*	n	NotFnd	1.16	*	1040	810	1.04			
PCB-126	5.57e+04	1.40	y	42:03	1.18	2.75	-	-	*			
13C-PCB-126	1.65e+07	1.57	y	42:03	1.57	899				93.4	1.98e+06	1.21e+06
PCB-151	1.53e+06	1.30	y	37:48	0.98	120	-	-	*			
PCB-135	8.53e+05	1.25	y	37:59	0.91	71.9	-	-	*			
PCB-144	3.73e+05	1.26	y	38:06	1.12	25.7	-	-	*			
PCB-147	1.66e+05	1.15	y	38:14	1.01	12.6	-	-	*			
PCB-139	5.81e+06	1.26	y	38:27	1.05	427	-	-	*	Co-elute PCB 149		
PCB-149	5.81e+06	1.26	y	38:27	1.05	427	-	-	*	Co-elute PCB 139		
PCB-140	8.26e+04	1.19	y	38:37	1.04	6.10	-	-	*			
PCB-143	3.71e+05	1.28	y	39:05	0.89	32.2	-	-	*	Co-elute PCB 134		
PCB-134	3.71e+05	1.28	y	39:05	0.89	32.2	-	-	*	Co-elute PCB 143		
PCB-131	2.15e+05	1.21	y	39:20	0.89	18.5	-	-	*	Co-elute PCB 133		
PCB-133	2.15e+05	1.21	y	39:20	0.89	18.5	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.87	*	740	650	1.32			
PCB-165	1.18e+06	1.18	y	39:43	1.16	78.5	-	-	*	Co-elute PCB 146		
PCB-146	1.18e+06	1.18	y	39:43	1.16	78.5	-	-	*	Co-elute PCB 165		
PCB-161	2.28e+06	1.22	y	39:58	1.06	165	-	-	*	Co-elute PCB 132		
PCB-132	2.28e+06	1.22	y	39:58	1.06	165	-	-	*	Co-elute PCB 161		
PCB-153	7.40e+06	1.22	y	40:04	1.23	462	-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*	740	650	0.912			
PCB-141	1.26e+06	1.32	y	40:47	1.00	96.6	-	-	*			
PCB-137	3.34e+05	1.29	y	41:09	0.98	26.3	-	-	*			
PCB-130	4.37e+05	1.29	y	41:15	0.94	35.5	-	-	*			
PCB-138	8.14e+06	1.26	y	41:35	1.16	541	-	-	*	Co-elute PCB 163/164		
PCB-163	8.14e+06	1.26	y	41:35	1.16	541	-	-	*	Co-elute PCB 138/164		
PCB-164	8.14e+06	1.26	y	41:35	1.16	541	-	-	*	Co-elute PCB 138/163		
PCB-158	1.07e+06	1.29	y	41:48	1.32	62.6	-	-	*	Co-elute PCB 160		
PCB-160	1.07e+06	1.29	y	41:48	1.32	62.6	-	-	*	Co-elute PCB 158		
PCB-129	2.97e+05	1.17	y	42:03	0.85	26.8	-	-	*			
PCB-166	3.52e+04	1.25	y	42:31	1.30	2.07	-	-	*			
PCB-159	9.48e+04	1.14	y	42:51	1.33	5.47	-	-	*			
PCB-128	1.25e+06	1.23	y	43:04	1.09	87.6	-	-	*	Co-elute PCB 162		
PCB-162	1.25e+06	1.23	y	43:04	1.09	87.6	-	-	*	Co-elute PCB 128		
PCB-167	3.62e+05	1.24	y	43:27	1.24	22.8	-	-	*			
13C-PCB-167	1.24e+07	1.30	y	43:25	1.14	929				96.5	1.64e+06	1.23e+06
PCB-156	9.45e+05	1.21	y	44:41	1.30	57.1	-	-	*			
13C-PCB-156	1.22e+07	1.31	y	44:39	1.11	945				98.1	1.54e+06	1.16e+06
PCB-157	2.25e+05	1.32	y	44:56	1.25	13.6	-	-	*			
13C-PCB-157	1.28e+07	1.28	y	44:54	1.11	989				103	1.64e+06	1.28e+06
PCB-169	*	*	n	NotFnd	1.23	*	740	650	0.846			
13C-PCB-169	1.27e+07	1.28	y	46:46	1.09	993				103	1.82e+06	1.40e+06

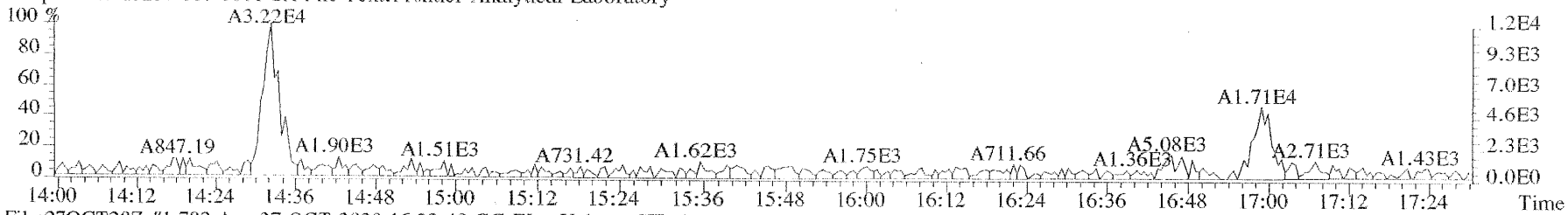
PCB-188	*	*	n	NotFnd	1.23	*	540	444	1.08			
13C-PCB-188	7.51e+06	1.13	y	39:43	0.80	802				83.3	9.53e+05	8.24e+05
PCB-184	*	*	n	NotFnd	1.38	*	540	444	0.885			
PCB-179	6.63e+05	1.07	y	40:54	1.30	62.9	-	-	*			
PCB-176	2.08e+05	1.02	y	41:20	1.30	19.8	-	-	*			
PCB-186	*	*	n	NotFnd	1.28	*	540	444	0.952			
PCB-178	2.61e+05	1.09	y	42:21	0.94	34.2	-	-	*			
PCB-175	5.48e+04	1.18	y	42:41	0.99	6.83	-	-	*			
PCB-187	1.53e+06	1.10	y	42:51	1.07	176	-	-	*		Co-elute PCB 182	
PCB-182	1.53e+06	1.10	y	42:51	1.07	176	-	-	*		Co-elute PCB 187	
PCB-183	7.46e+05	1.11	y	43:09	1.04	88.5	-	-	*			
PCB-185	1.66e+05	1.12	y	43:47	0.96	21.4	-	-	*			
PCB-174	1.06e+06	1.10	y	44:08	1.01	129	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	540	444	1.28			
PCB-177	6.36e+05	1.11	y	44:23	0.89	87.8	-	-	*			
PCB-171	3.30e+05	1.11	y	44:39	0.95	43.1	-	-	*			
PCB-173	3.33e+04	1.10	y	45:04	0.86	4.76	-	-	*			
PCB-172	2.02e+05	1.11	y	45:27	0.89	28.0	-	-	*			
PCB-192	*	*	n	NotFnd	1.18	*	540	444	1.04			
PCB-180	2.41e+06	1.08	y	45:49	0.94	316	-	-	*			
PCB-193	1.74e+05	0.95	y	45:58	1.25	17.2	-	-	*			
PCB-191	6.91e+04	1.06	y	46:12	1.23	6.91	-	-	*			
PCB-170	1.01e+06	1.09	y	47:06	0.89	141	-	-	*			
PCB-190	3.12e+05	1.17	y	47:16	1.19	32.4	-	-	*			
PCB-189	6.77e+04	1.03	y	48:27	1.21	6.64	-	-	*			
13C-PCB-189	8.11e+06	1.09	y	48:27	0.73	949				98.6	1.10e+06	1.02e+06
PCB-202	8.30e+04	0.83	y	44:51	1.10	15.8	-	-	*			
PCB-201	6.61e+04	0.96	y	45:17	1.25	11.0	-	-	*			
PCB-204	*	*	n	NotFnd	1.19	*	307	322	1.27			
PCB-197	3.05e+04	0.90	y	45:42	1.20	5.29	-	-	*			
PCB-200	6.30e+04	0.78	y	46:26	1.21	10.9	-	-	*			
PCB-198	2.94e+04	0.96	y	47:35	0.81	7.56	-	-	*			
PCB-199	3.31e+05	0.93	y	47:42	0.93	74.3	-	-	*			
PCB-203	3.99e+05	0.88	y	47:57	0.93	89.7	-	-	*		Co-elute PCB 196	
PCB-196	3.99e+05	0.88	y	47:57	0.93	89.7	-	-	*		Co-elute PCB 203	
13C-PCB-202	4.62e+06	0.90	y	44:49	0.55	718				74.6	4.77e+05	5.25e+05
13C-PCB-178	6.12e+06	1.11	y	42:21	0.62	838				87.0	7.36e+05	6.70e+05
13C-PCB-138	1.13e+07	1.30	y	41:33	-	4.16						
PCB-195	3.45e+05	0.98	y	49:03	0.91	25.5	-	-	*			
PCB-194	8.84e+05	0.90	y	49:50	0.97	61.6	-	-	*			
PCB-205	7.60e+04	0.95	y	50:07	1.17	4.37	-	-	*			
13C-PCB-205	1.43e+07	0.91	y	50:06	1.20	936				97.2	2.32e+06	2.50e+06
PCB-208	8.78e+04	1.35	y	49:10	1.13	6.34	-	-	*			
13C-PCB-208	1.18e+07	0.83	y	49:09	0.98	948				98.5	1.90e+06	2.30e+06
PCB-207	4.74e+04	1.36	y	49:28	1.33	3.34	-	-	*			
PCB-206	2.33e+05	1.28	y	51:17	1.19	21.2	-	-	*			
13C-PCB-206	8.83e+06	0.82	y	51:17	0.70	1000				104	1.29e+06	1.55e+06
PCB-209	9.82e+04	1.06	y	52:29	1.23	9.25	-	-	*			
13C-PCB-209	8.30e+06	1.19	y	52:28	0.70	941				97.7	1.46e+06	1.26e+06
13C-PCB-194	1.22e+07	0.90	y	49:50	-	4.48						

Analyst: _____ Date: 11/2/20

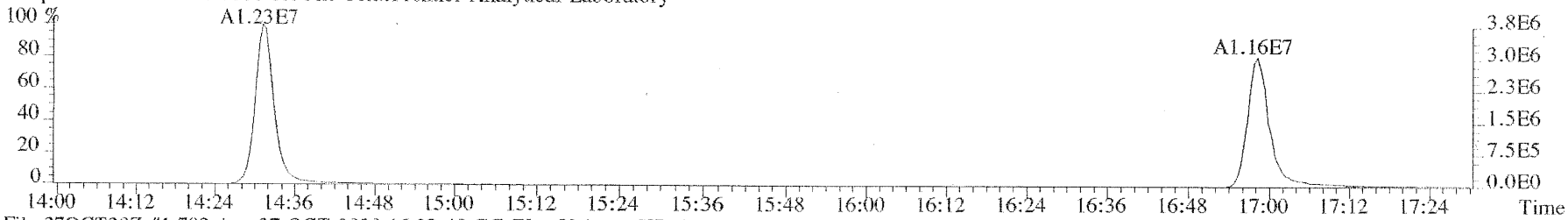
File:27OCT20Z #1-783 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



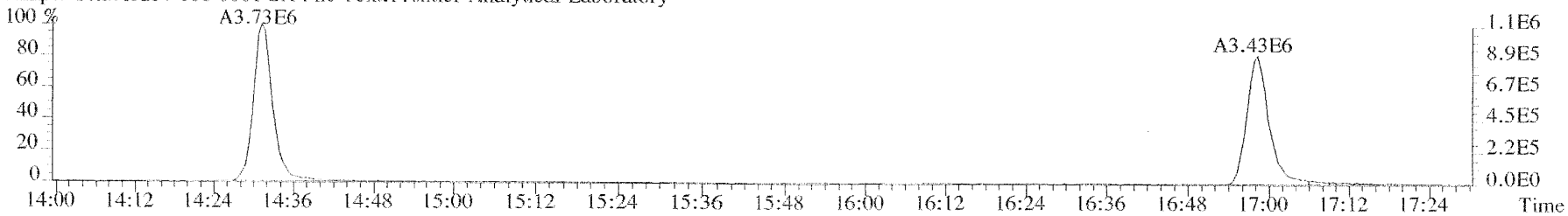
File:27OCT20Z #1-783 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



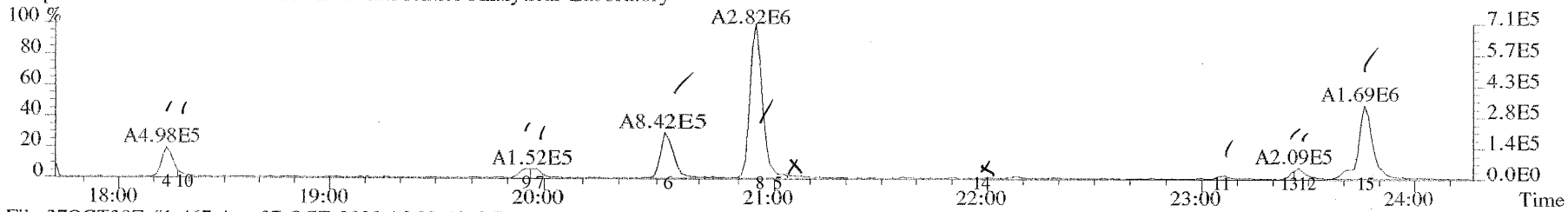
File:27OCT20Z #1-783 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



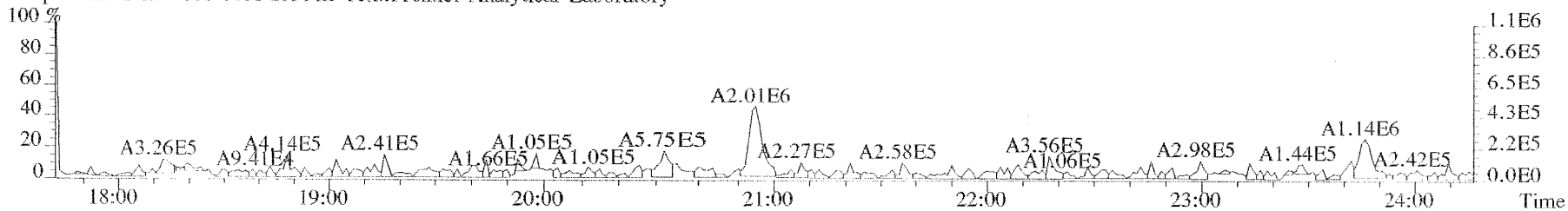
File:27OCT20Z #1-783 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



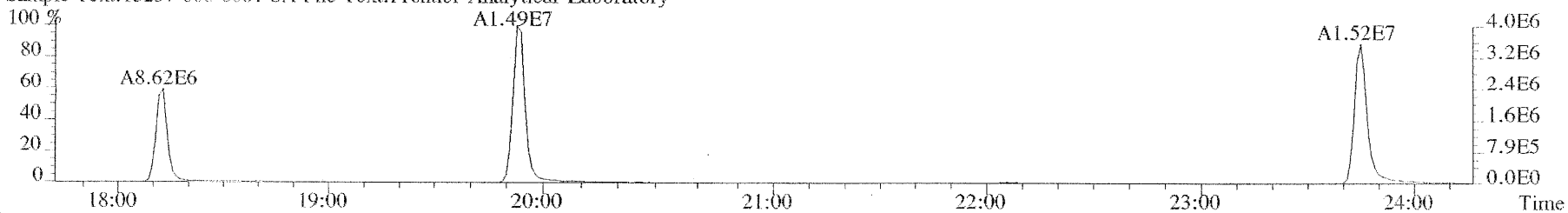
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



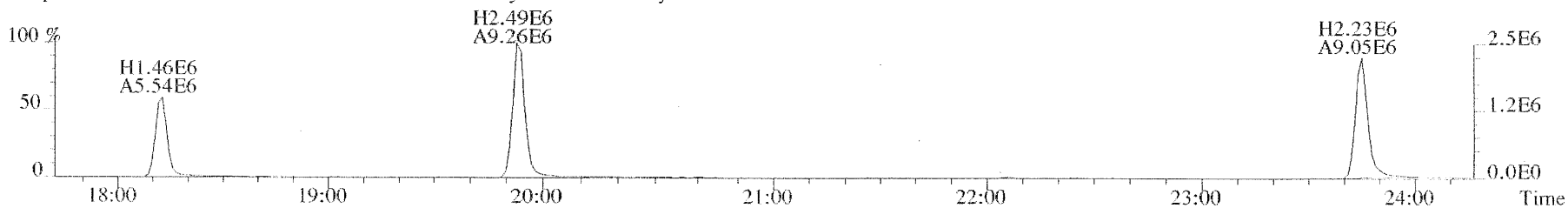
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



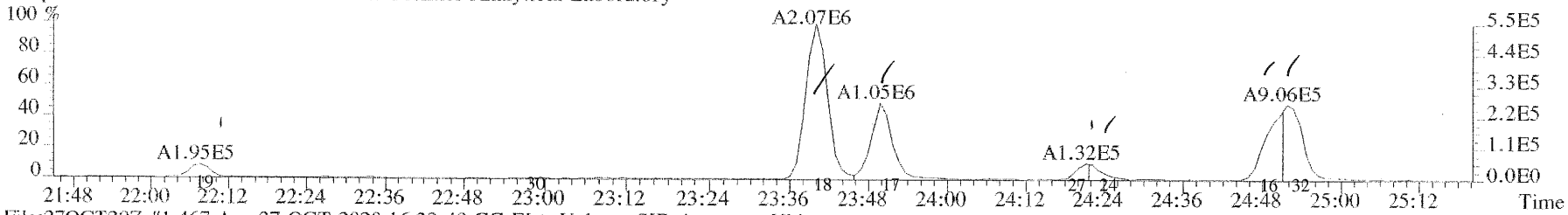
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



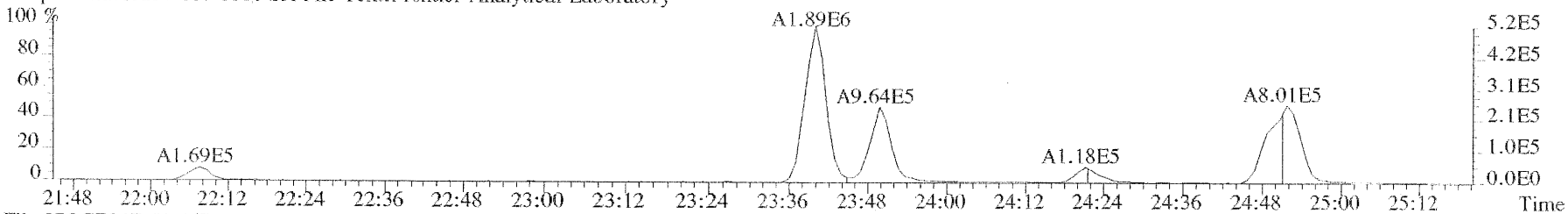
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



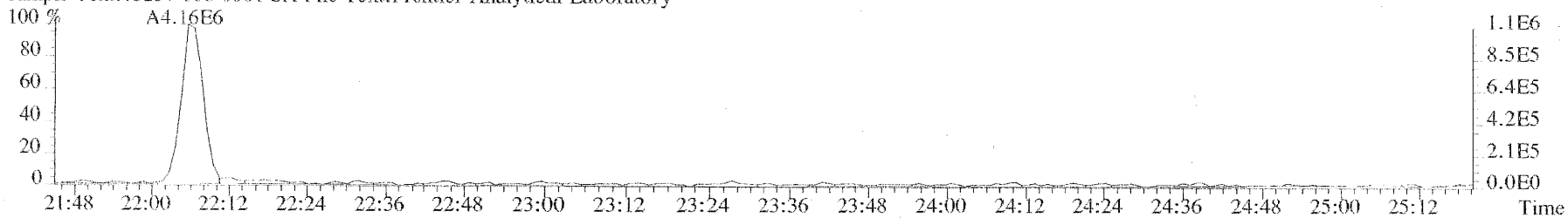
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



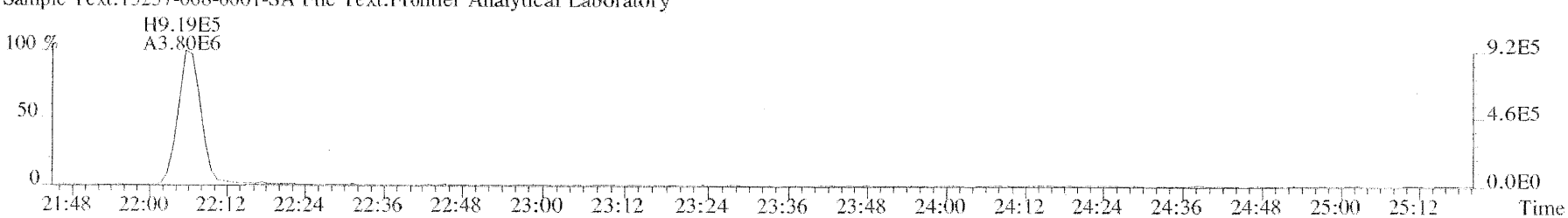
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



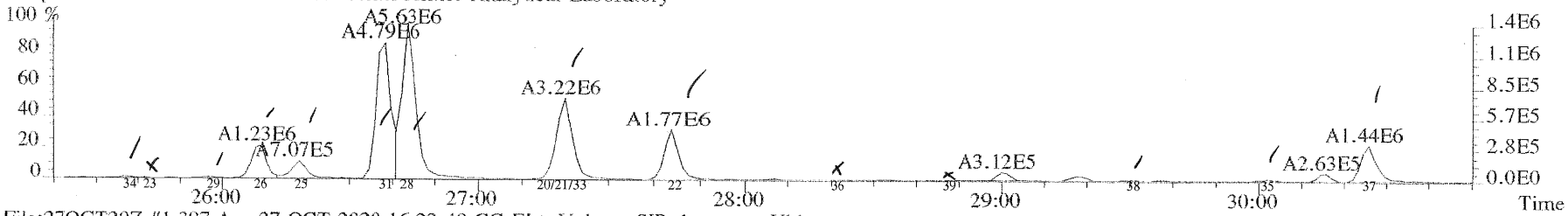
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



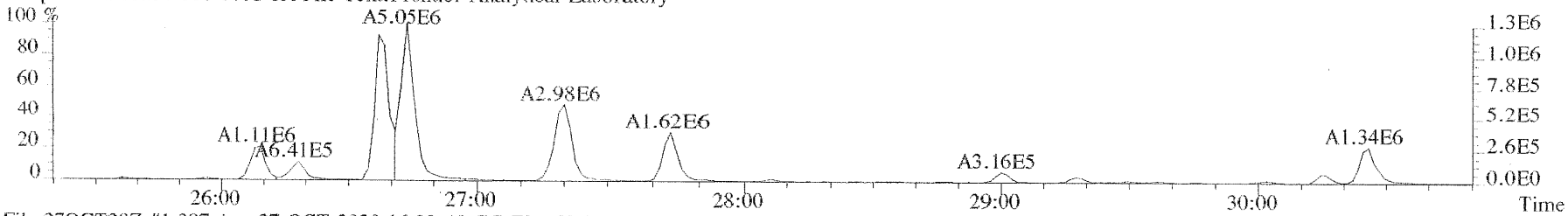
File:27OCT20Z #1-467 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



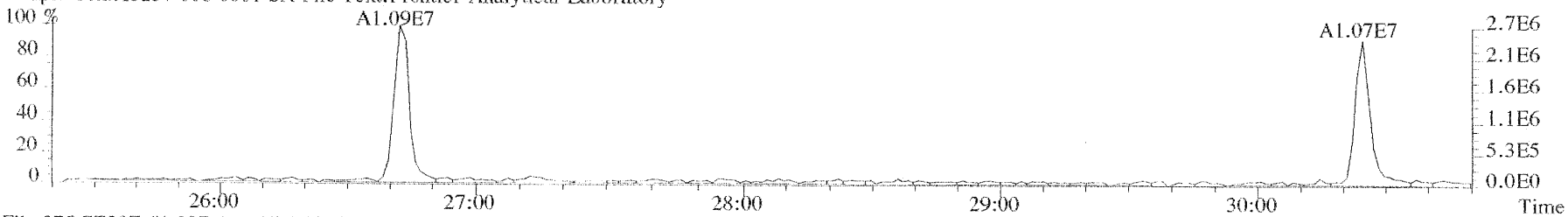
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



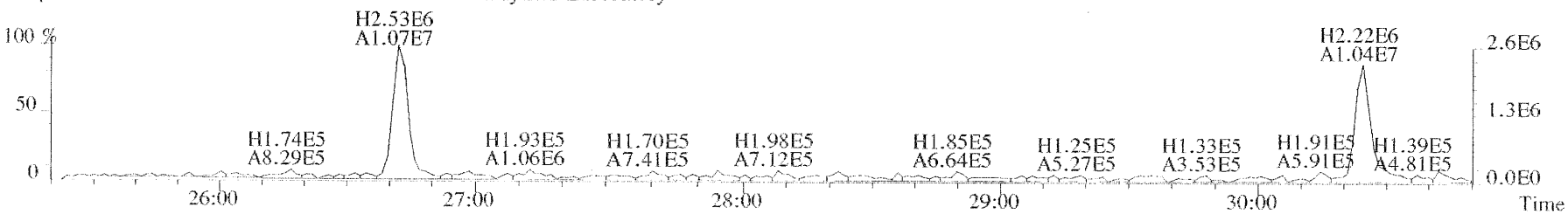
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



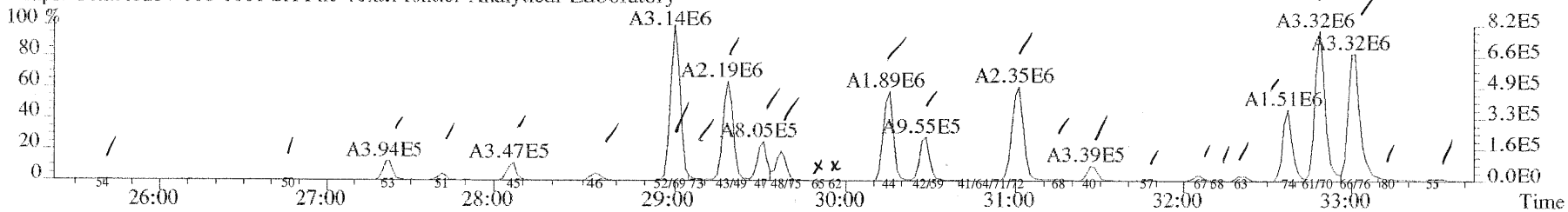
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



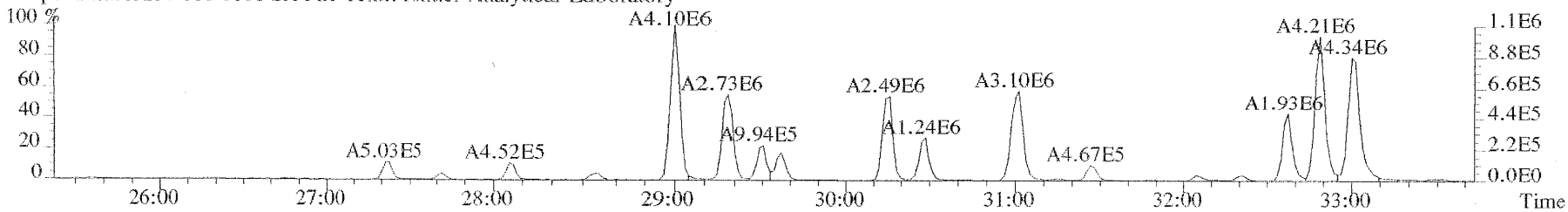
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



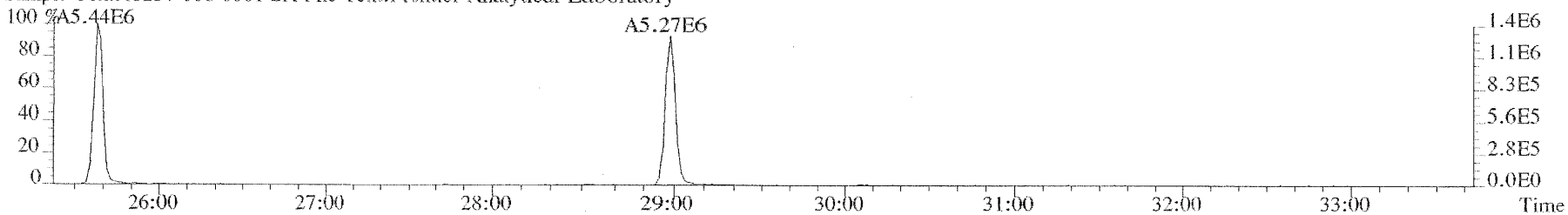
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



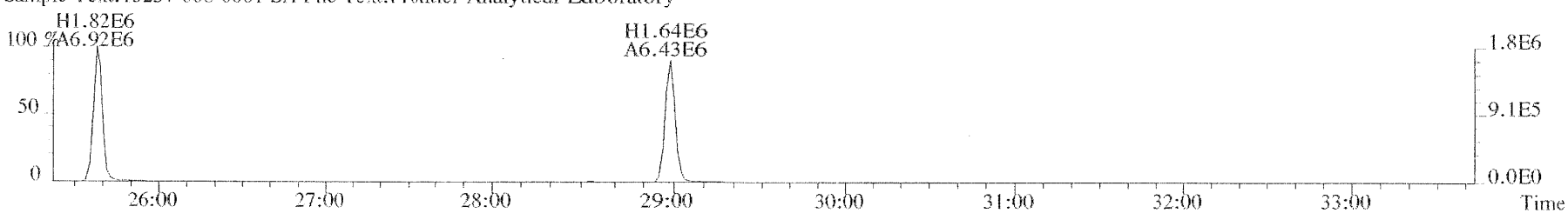
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



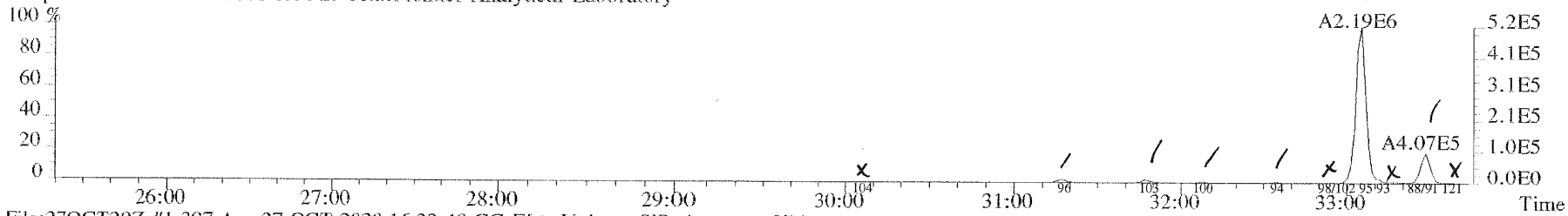
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



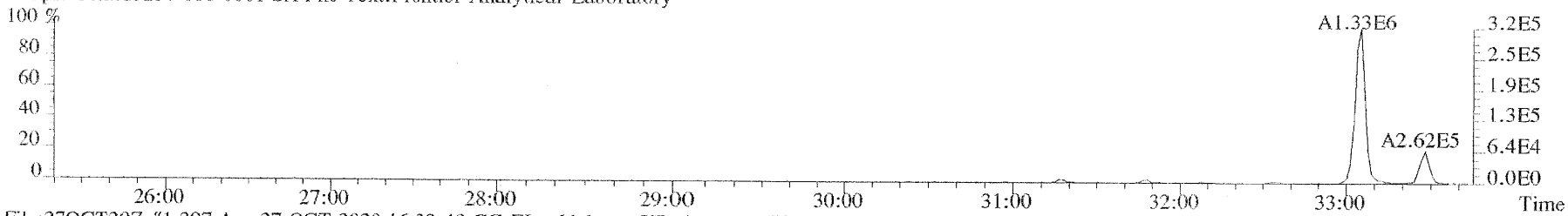
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



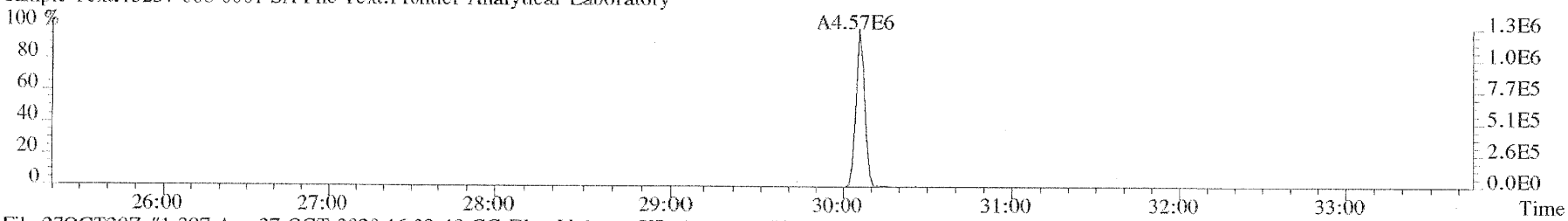
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



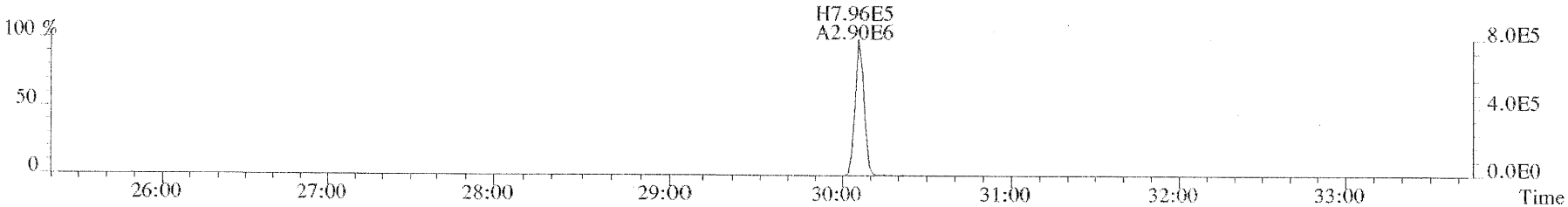
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



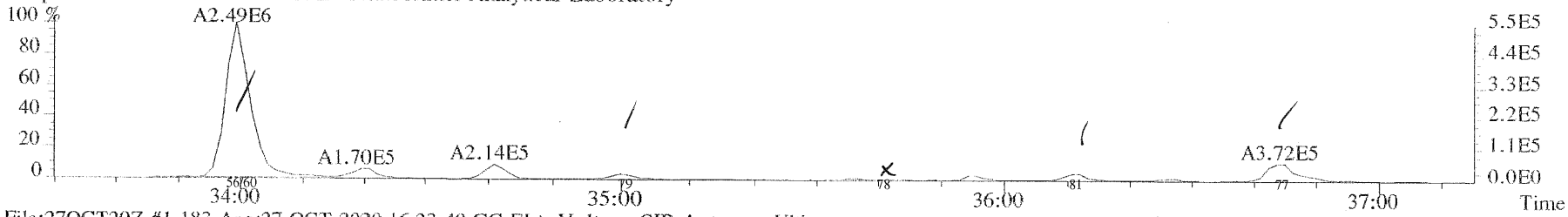
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



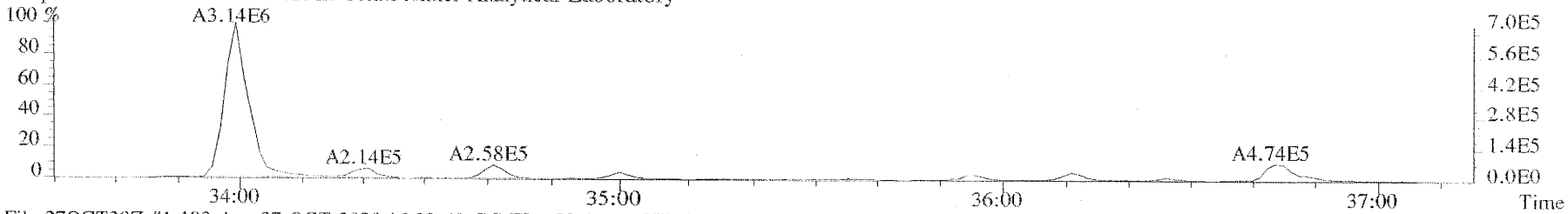
File:27OCT20Z #1-397 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



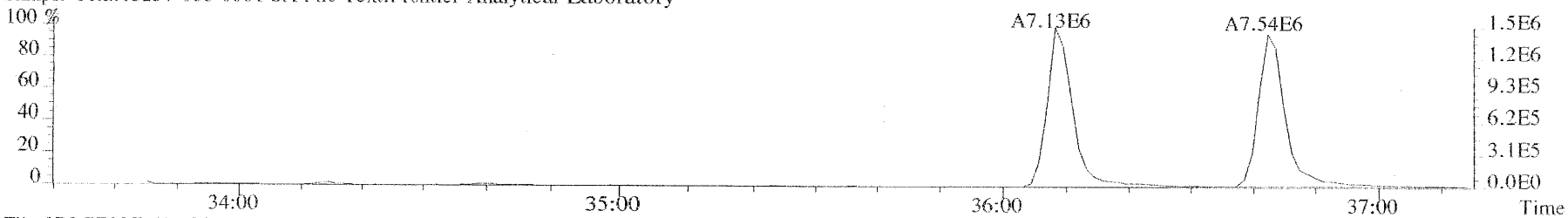
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



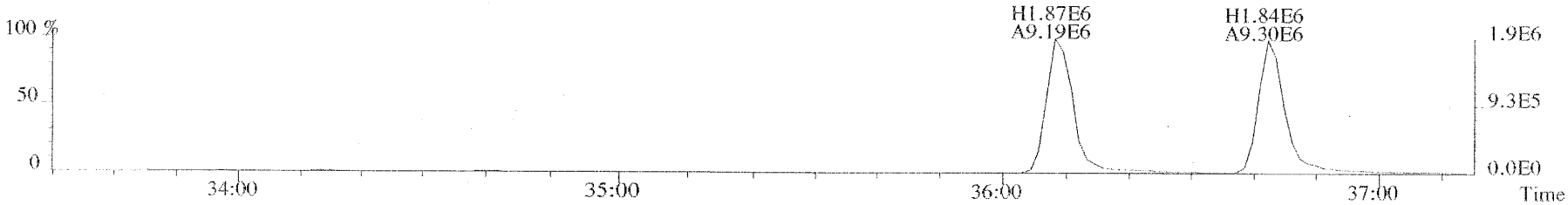
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



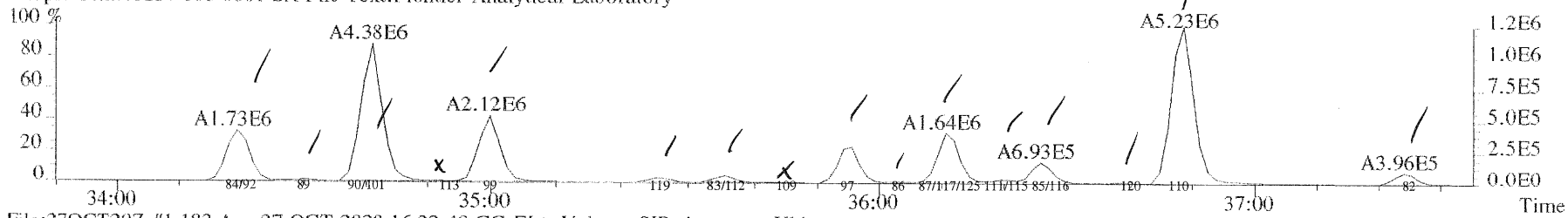
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



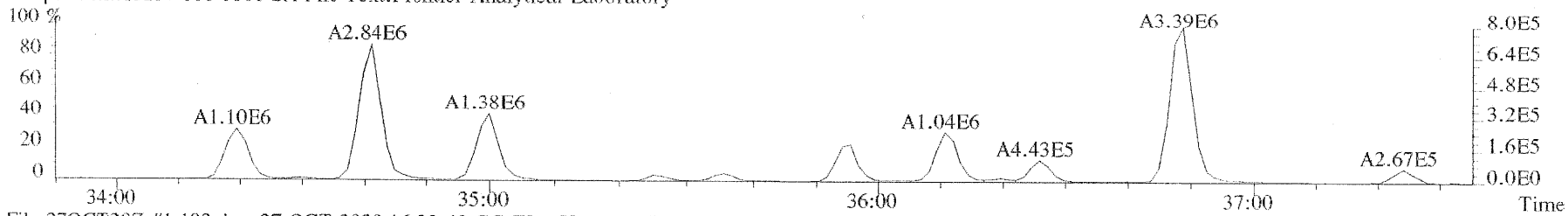
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



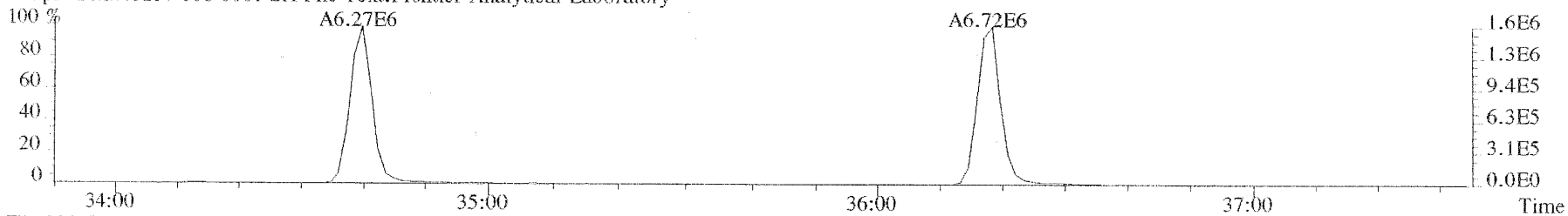
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



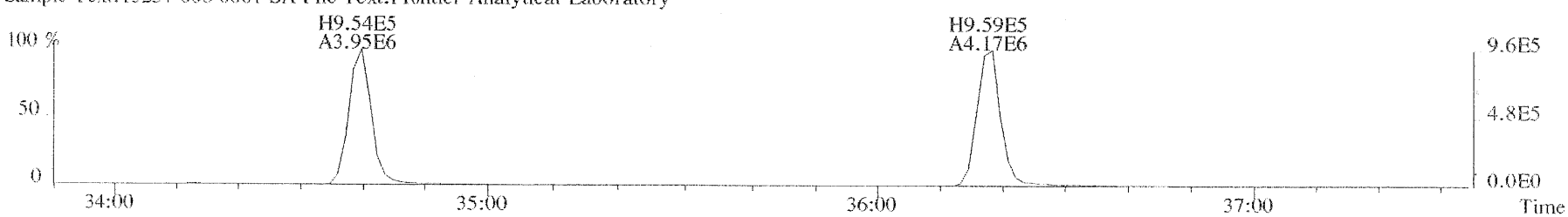
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



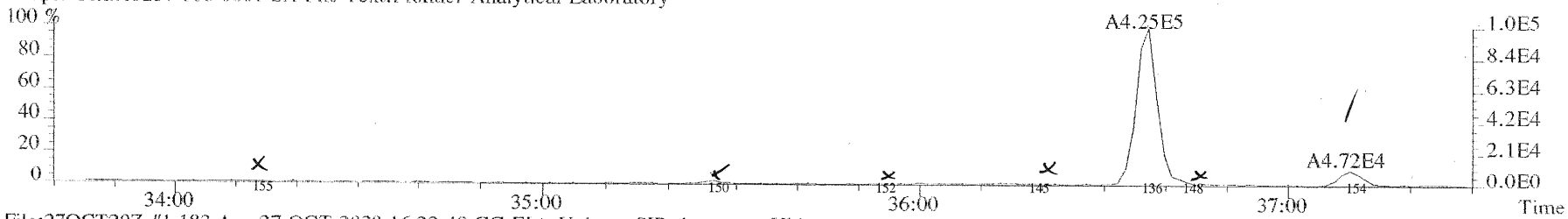
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



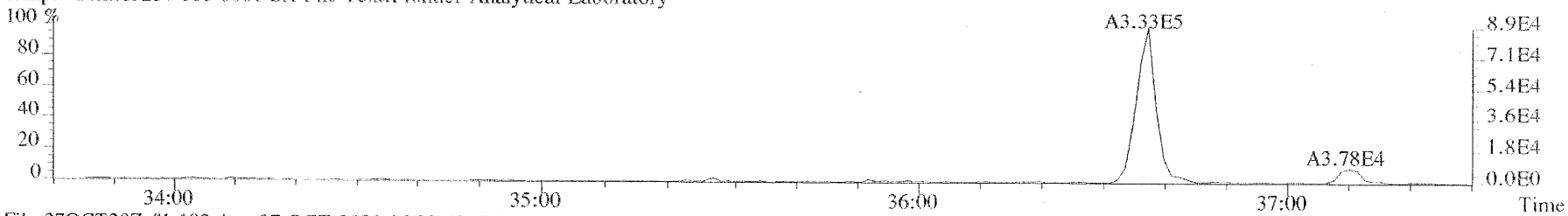
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



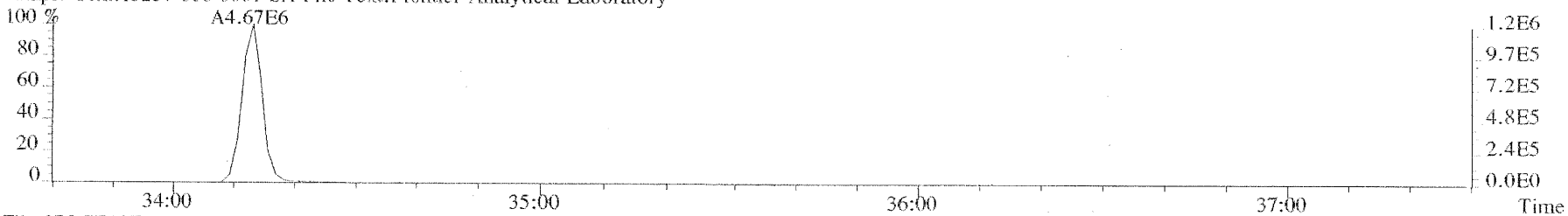
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



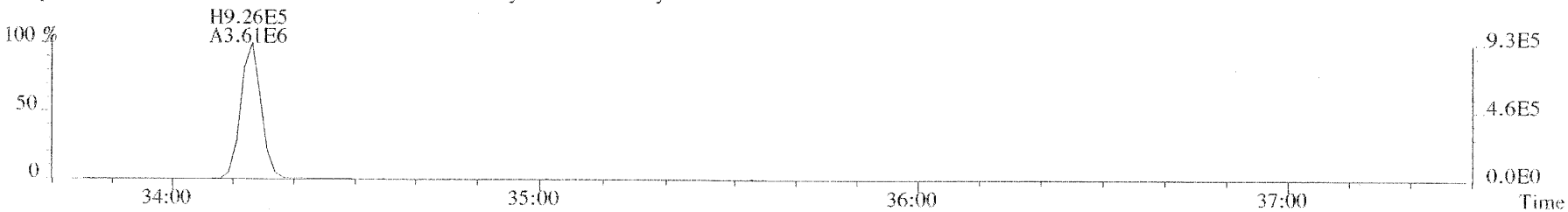
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



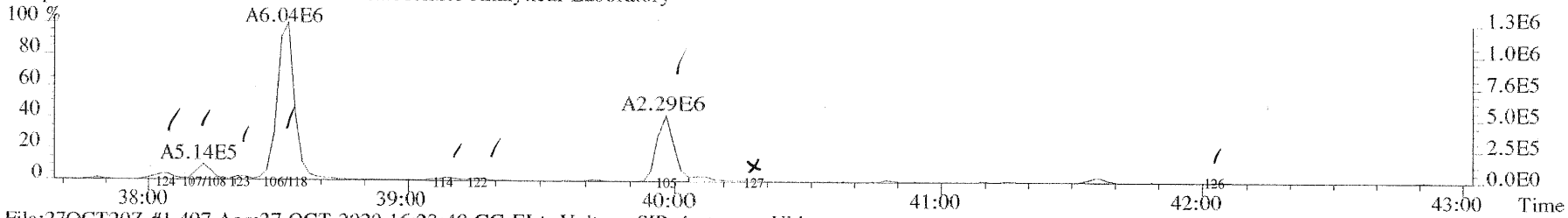
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



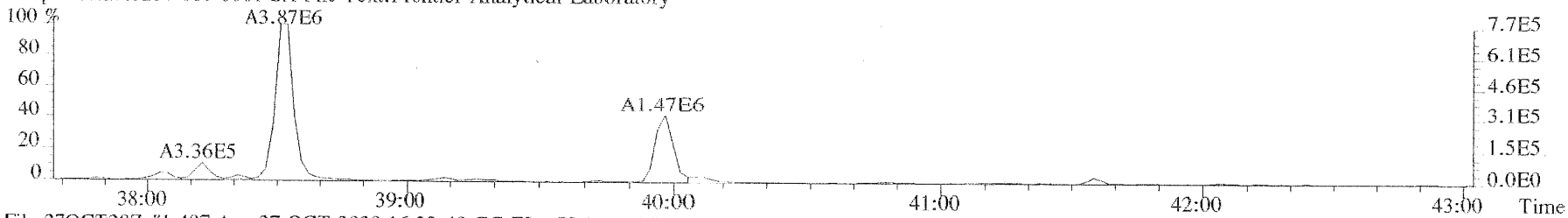
File:27OCT20Z #1-183 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



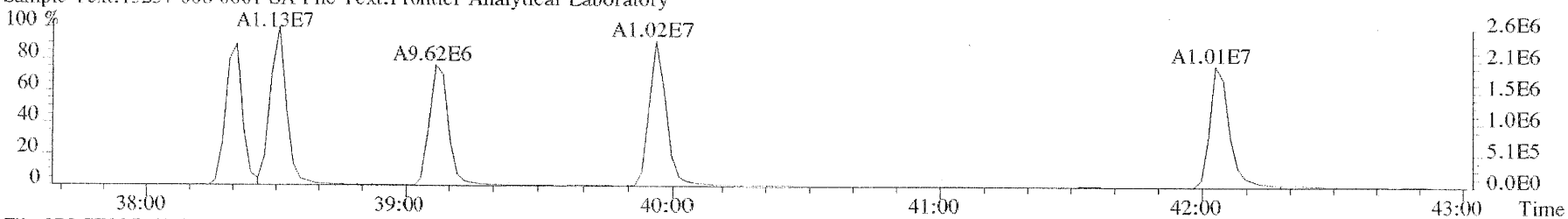
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



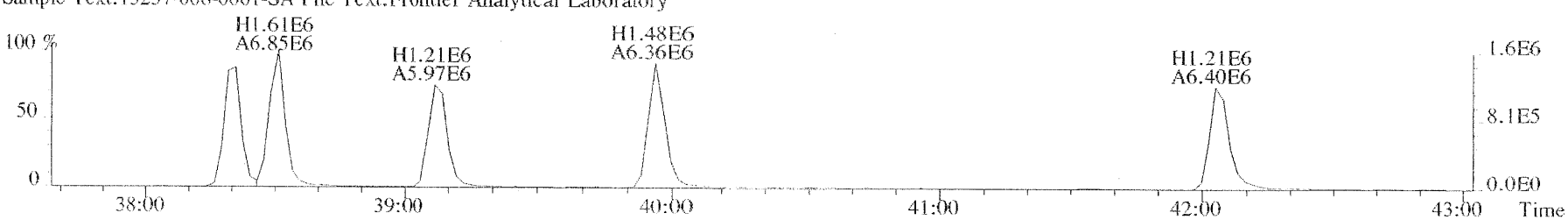
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



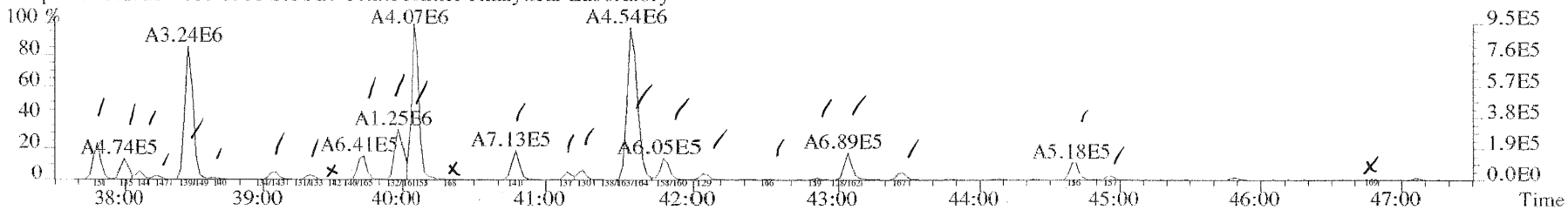
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



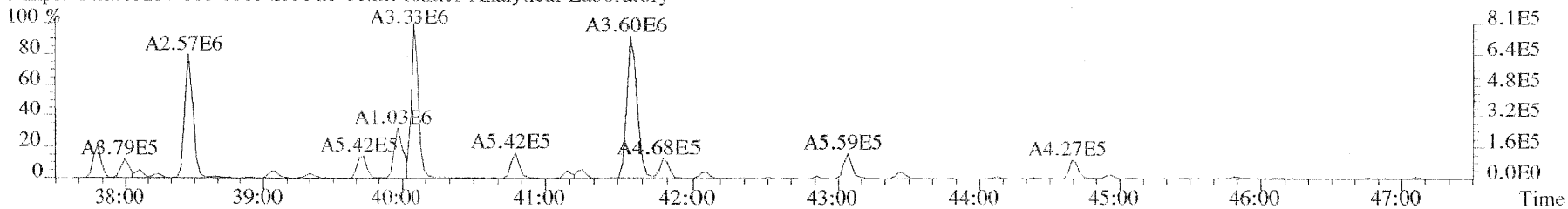
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



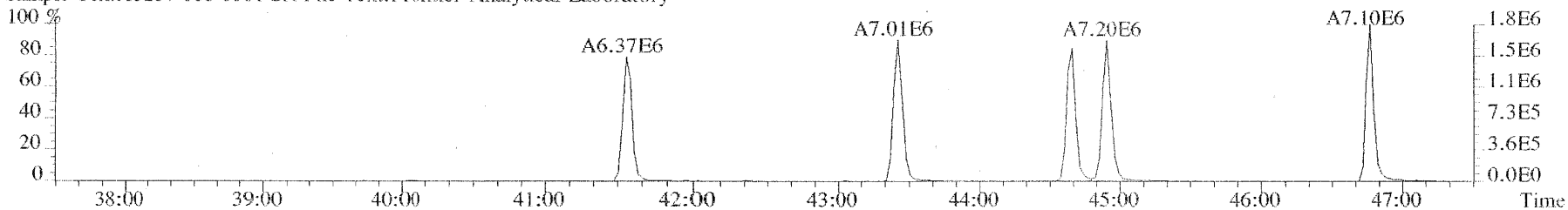
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



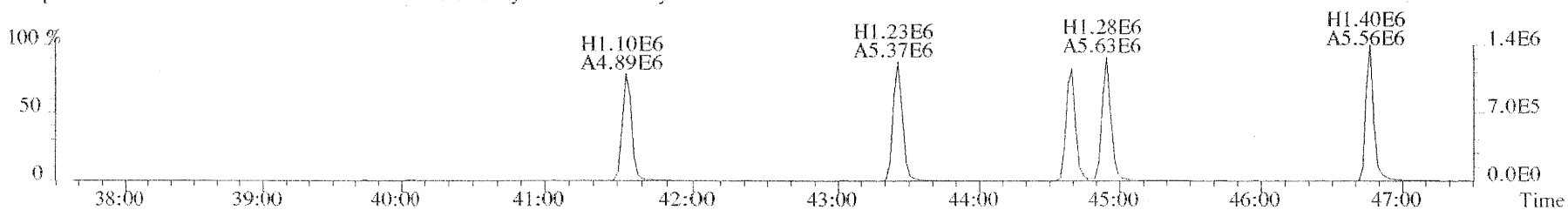
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



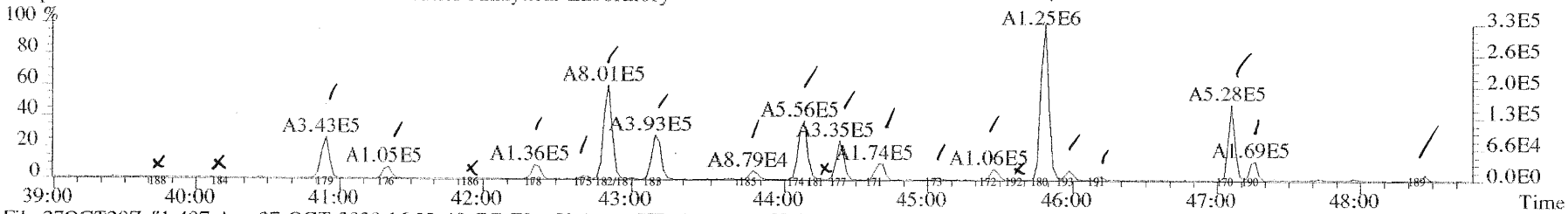
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



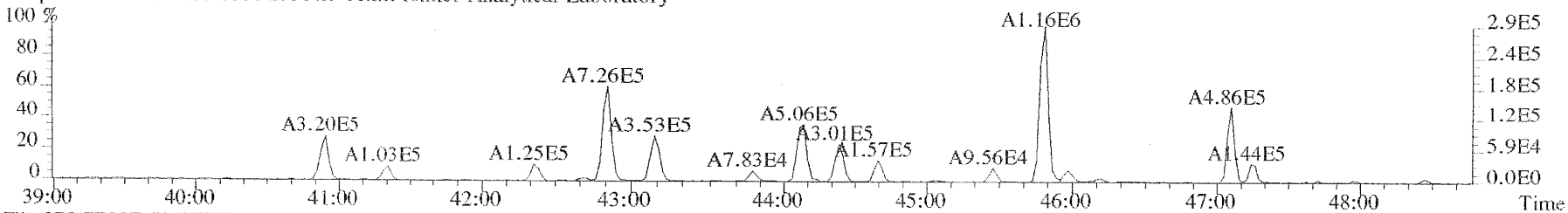
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



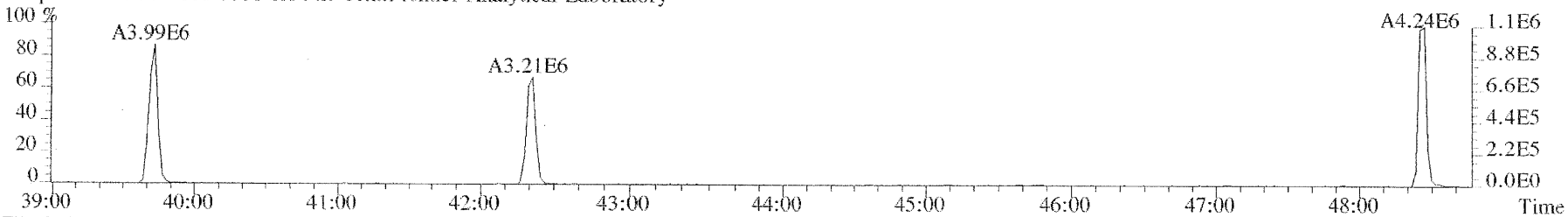
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



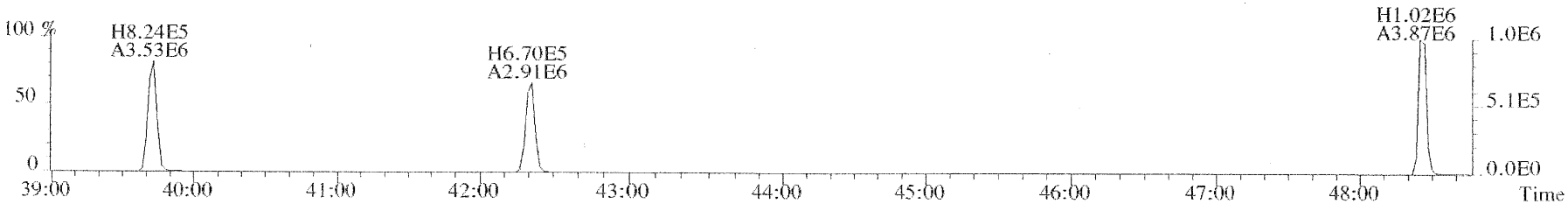
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



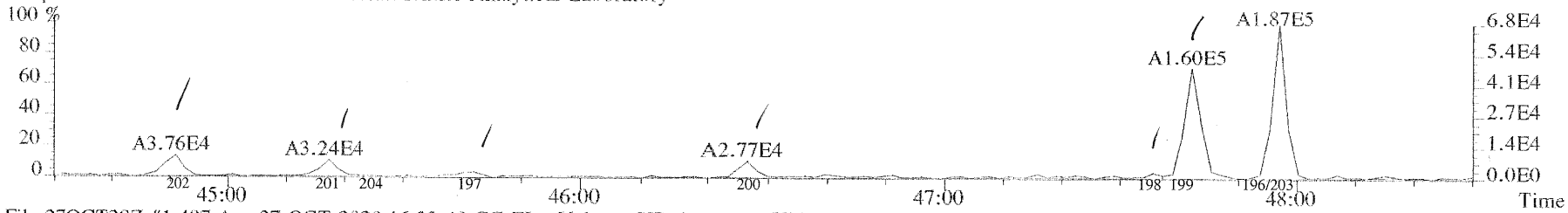
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



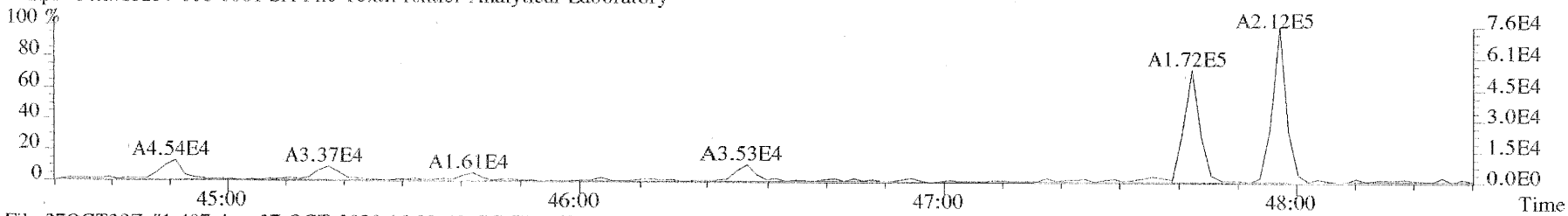
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



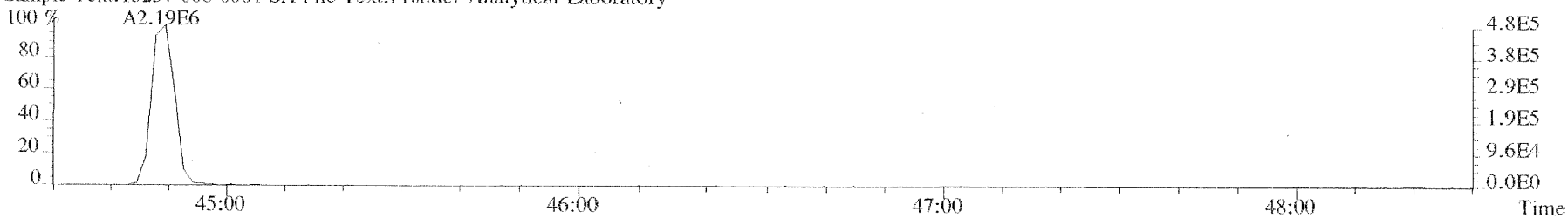
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



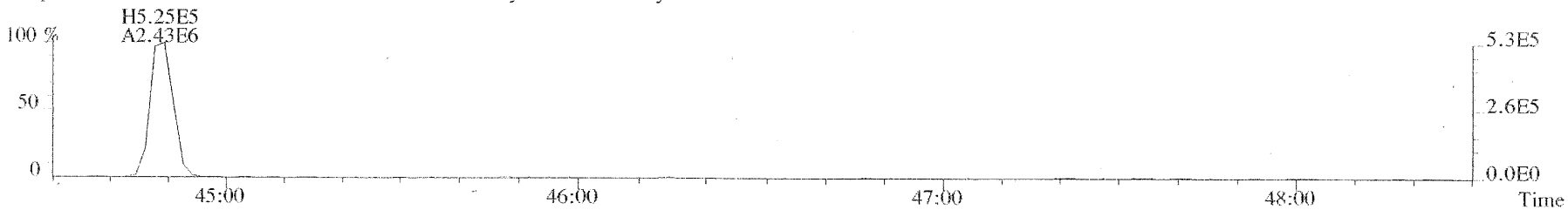
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



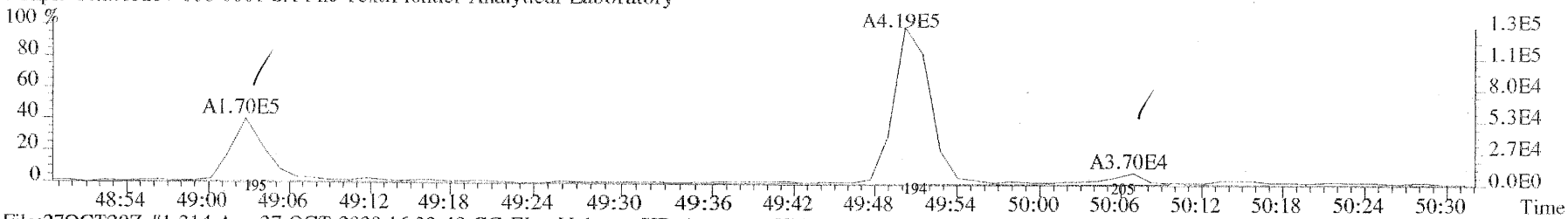
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



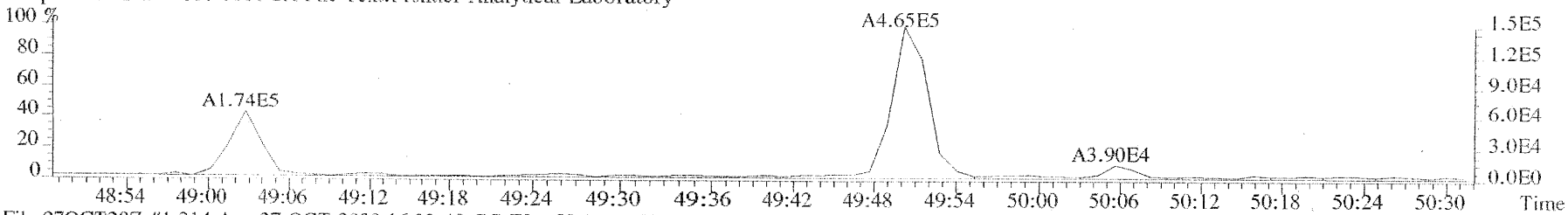
File:27OCT20Z #1-407 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



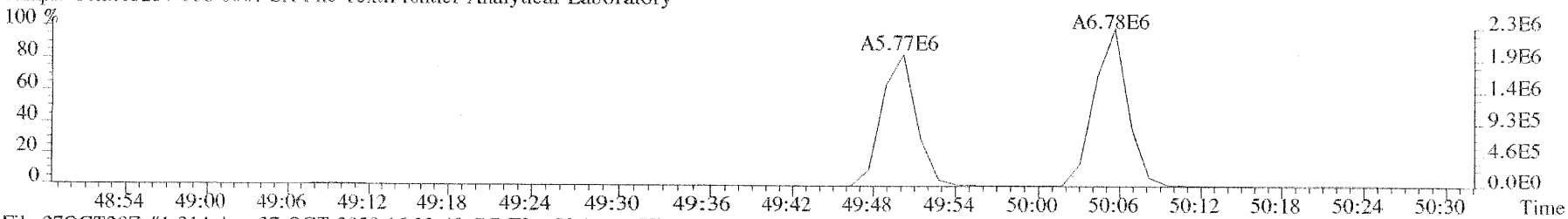
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



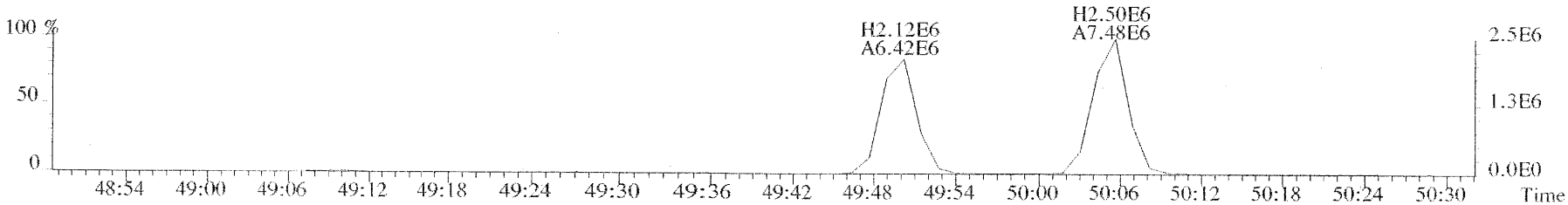
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



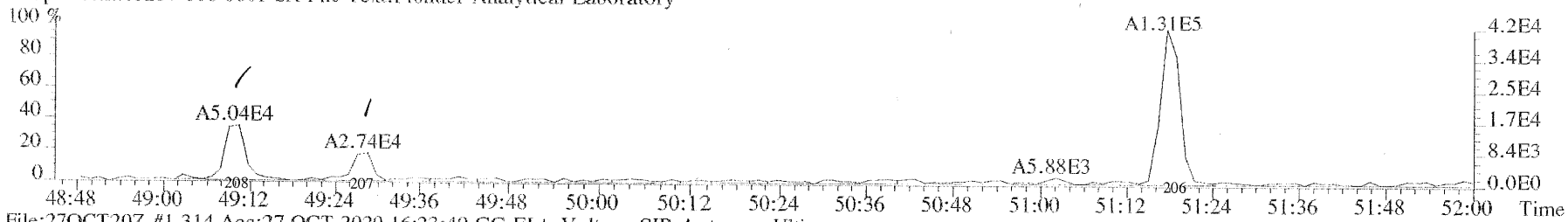
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



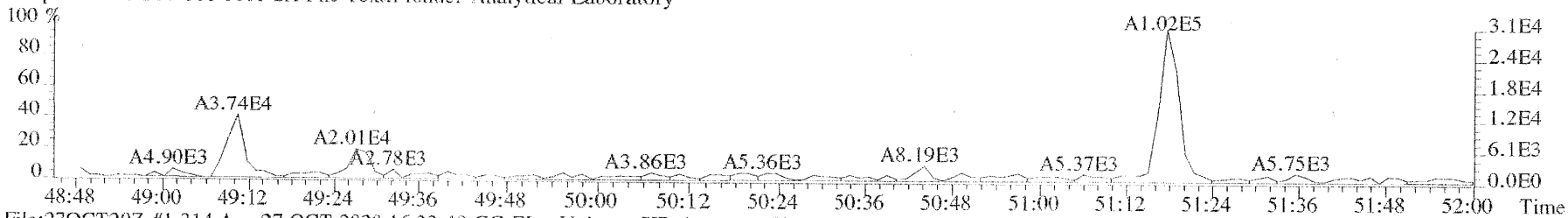
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



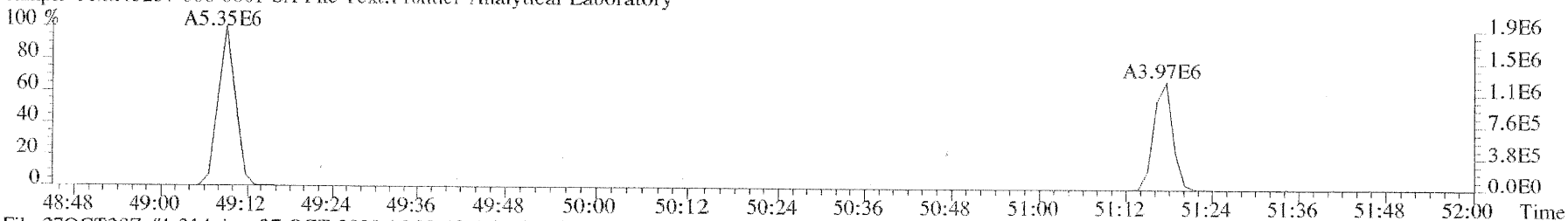
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



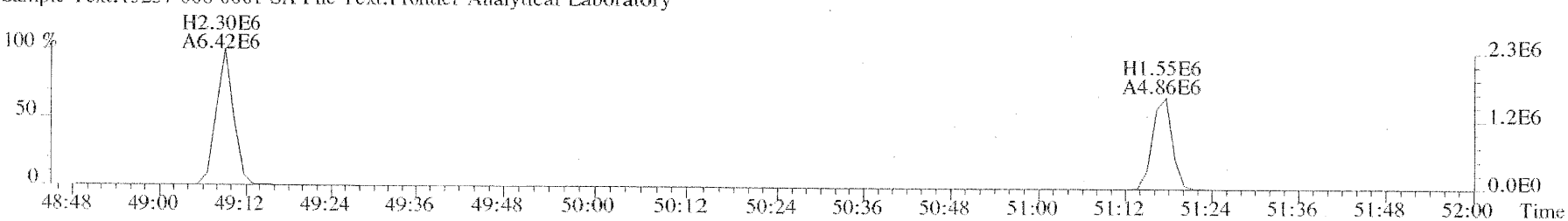
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



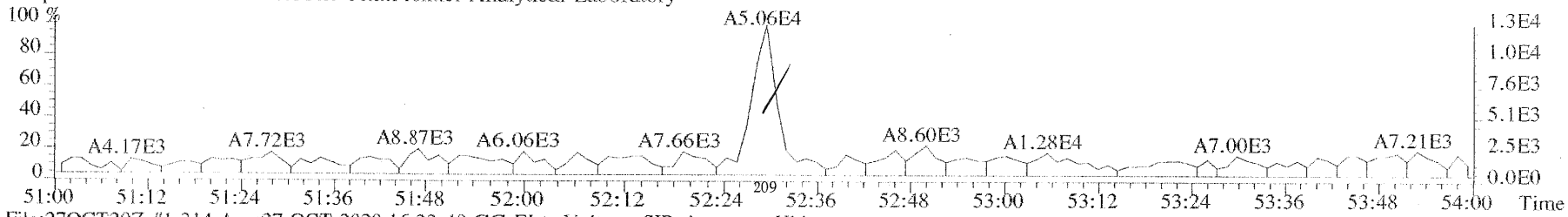
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



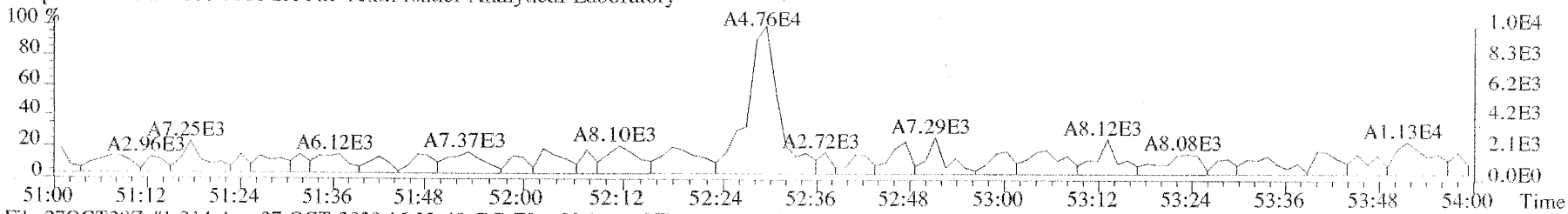
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



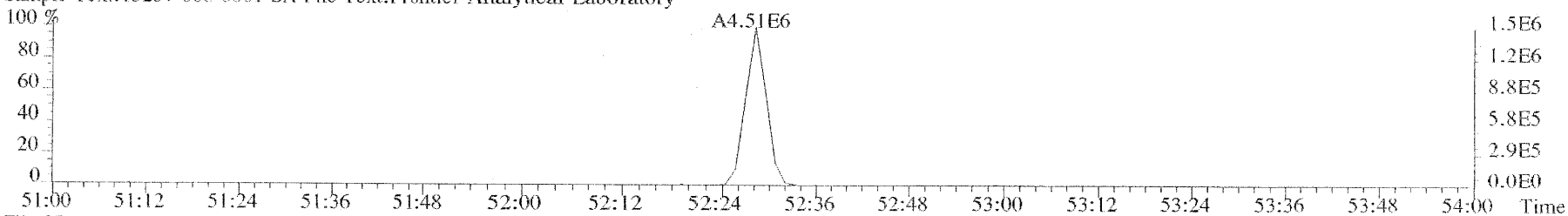
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



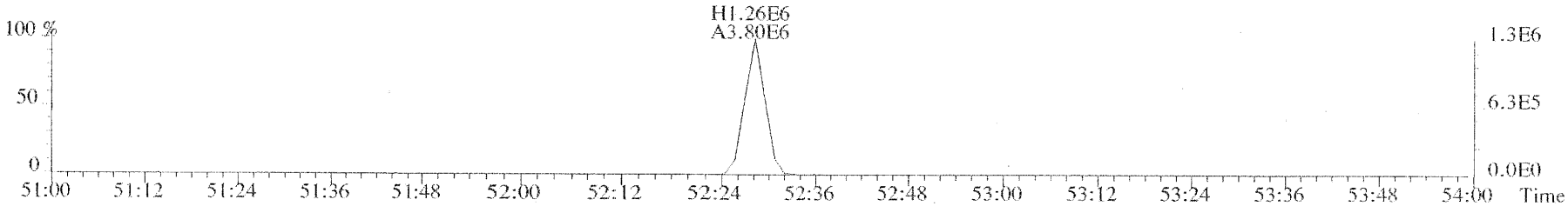
File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 16:23:40 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-008-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13237-009-0001-SA Filename: 27OCT20Z Sam:12 Acquired: 27-OCT-20 17:22:02 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR+AC-CD-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.17

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	5.34e+05	3.17 y	14:35	1.37	9.03		-	-	*			
13C-PCB-1	4.25e+07	3.32 y	14:34	0.75	999					102	1.19e+07	3.61e+06
PCB-2	6.59e+04	2.69 y	16:46	1.38	1.16	J	-	-	*			
PCB-3	3.22e+05	3.05 y	16:60	1.35	6.08		-	-	*			
13C-PCB-3	3.84e+07	3.40 y	16:59	0.74	911					92.6	9.16e+06	2.64e+06
PCB-4	1.69e+06	1.60 y	18:15	1.14	42.7		-	-	*			
PCB-10	1.66e+05	1.54 y	18:17	1.41	2.54		-	-	*			
13C-PCB-4	3.43e+07	1.58 y	18:13	0.64	943					95.9	6.02e+06	3.82e+06
PCB-9	3.56e+05	1.50 y	19:55	1.43	5.38		-	-	*			
PCB-7	4.20e+05	1.41 y	19:57	1.37	6.61		-	-	*			
PCB-6	1.97e+06	1.50 y	20:32	1.39	30.8		-	-	*			
PCB-8	6.76e+06	1.48 y	20:55	1.40	105		-	-	*			
PCB-5	*	* n	NotFnd	1.45	*		828	4100	0.700			
PCB-14	*	* n	NotFnd	1.46	*		828	4100	0.698			
PCB-11	2.33e+05	1.49 y	23:05	1.39	3.63		-	-	*			
PCB-13	2.44e+05	1.56 y	23:25	1.42	3.71		-	-	*			
PCB-12	3.80e+05	1.43 y	23:26	1.43	5.77		-	-	*			
PCB-15	3.13e+06	1.47 y	23:46	1.23	44.1		-	-	*			
13C-PCB-15	5.65e+07	1.61 y	23:44	1.07	930					94.6	8.17e+06	5.44e+06
PCB-19	3.59e+05	1.15 y	22:06	1.35	14.0		-	-	*			
PCB-30	*	* n	NotFnd	2.05	*		2090	684	0.606			
PCB-18	4.47e+06	1.08 y	23:40	1.44	163		-	-	*			
PCB-17	2.03e+06	1.11 y	23:50	1.51	70.1		-	-	*			
PCB-27	2.26e+05	1.16 y	24:20	1.99	5.94		-	-	*			
PCB-24	2.91e+05	1.13 y	24:21	1.96	7.78		-	-	*			
PCB-16	1.38e+06	0.98 y	24:50	1.60	45.0		-	-	*			
PCB-32	1.79e+06	1.19 y	24:52	1.78	52.9		-	-	*			
13C-PCB-19	1.88e+07	1.13 y	22:05	0.39	853					86.8	2.87e+06	2.60e+06
13C-PCB-9	5.58e+07	1.62 y	19:54	-	9.41							
PCB-34	1.02e+05	1.11 y	25:38	1.14	1.75	J	-	-	*			
PCB-23	*	* n	NotFnd	1.29	*		1000	1090	0.434			
PCB-29	9.67e+04	1.16 y	25:55	1.28	1.48	J	-	-	*			
PCB-26	2.33e+06	1.09 y	26:08	1.26	36.3		-	-	*			
PCB-25	1.47e+06	1.08 y	26:17	1.19	24.4		-	-	*			
PCB-31	1.08e+07	1.08 y	26:37	1.33	159		-	-	*			
PCB-28	1.10e+07	1.11 y	26:43	1.36	159		-	-	*			
PCB-20	6.39e+06	1.10 y	27:19	1.20	104		-	-	*		Co-elute PCB 21/33	
PCB-21	6.39e+06	1.10 y	27:19	1.20	104		-	-	*		Co-elute PCB 20/33	
PCB-33	6.39e+06	1.10 y	27:19	1.20	104		-	-	*		Co-elute PCB 20/21	
PCB-22	3.72e+06	1.16 y	27:44	1.29	56.9		-	-	*			
PCB-36	*	* n	NotFnd	1.27	*		1000	1090	0.444			
PCB-39	*	* n	NotFnd	1.28	*		1000	1090	0.438			
PCB-38	1.49e+05	1.10 y	29:30	1.34	2.19		-	-	*			
PCB-35	2.03e+05	1.18 y	30:02	1.23	3.23		-	-	*			
PCB-37	3.78e+06	1.14 y	30:30	1.25	59.2		-	-	*			
13C-PCB-37	5.00e+07	1.06 y	30:28	1.93	980					99.6	4.71e+06	4.43e+06

PCB-54	3.19e+04	0.74	y	25:39	1.33	0.827	J	-	-	*			
PCB-50	3.21e+04	0.68	y	26:45	1.10	1.00	J	-	-	*			
PCB-53	1.01e+06	0.82	y	27:21	1.08	32.3		-	-	*			
PCB-51	3.38e+05	0.73	y	27:41	1.11	10.5		-	-	*			
PCB-45	8.13e+05	0.72	y	28:07	0.96	29.2		-	-	*			
PCB-46	3.29e+05	0.74	y	28:33	0.92	12.4		-	-	*			
PCB-52	1.13e+07	0.78	y	29:00	1.11	350		-	-	*	Co-elute PCB 69		
PCB-69	1.13e+07	0.78	y	29:00	1.11	350		-	-	*	Co-elute PCB 52		
PCB-73	1.23e+05	0.84	y	29:06	1.45	2.92		-	-	*			
PCB-43	6.79e+06	0.79	y	29:18	1.05	223		-	-	*	Co-elute PCB 49		
PCB-49	6.79e+06	0.79	y	29:18	1.05	223		-	-	*	Co-elute PCB 43		
PCB-47	2.33e+06	0.75	y	29:30	1.09	74.0		-	-	*			
PCB-48	1.72e+06	0.80	y	29:36	1.31	45.2		-	-	*	Co-elute PCB 75		
PCB-75	1.72e+06	0.80	y	29:36	1.31	45.2		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		952	1030	0.476			
PCB-62	*	*	n	NotFnd	1.35	*		952	1030	0.476			
PCB-44	6.15e+06	0.79	y	30:18	0.91	232		-	-	*			
PCB-42	2.72e+06	0.79	y	30:33	1.13	82.9		-	-	*	Co-elute PCB 59		
PCB-59	2.72e+06	0.79	y	30:33	1.13	82.9		-	-	*	Co-elute PCB 42		
PCB-72	6.62e+06	0.79	y	31:06	1.27	180		-	-	*	Co-elute PCB 41/71/64		
PCB-41	6.62e+06	0.79	y	31:06	1.27	180		-	-	*	Co-elute PCB 72/71/64		
PCB-71	6.62e+06	0.79	y	31:06	1.27	180		-	-	*	Co-elute PCB 72/41/64		
PCB-64	6.62e+06	0.79	y	31:06	1.27	180		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.14e+05	0.77	y	31:18	1.48	2.67		-	-	*			
PCB-40	8.51e+05	0.83	y	31:28	0.82	36.0		-	-	*			
PCB-57	7.30e+04	0.74	y	31:48	1.40	1.80	J	-	-	*			
PCB-67	3.61e+05	0.81	y	32:04	1.44	8.60		-	-	*			
PCB-58	5.32e+04	0.67	y	32:12	1.35	1.35	J	-	-	*			
PCB-63	4.52e+05	0.79	y	32:21	1.41	11.0		-	-	*			
PCB-74	5.03e+06	0.77	y	32:37	1.44	121		-	-	*			
PCB-61	1.22e+07	0.78	y	32:49	1.29	325		-	-	*	Co-elute PCB 70		
PCB-70	1.22e+07	0.78	y	32:49	1.29	325		-	-	*	Co-elute PCB 61		
PCB-76	1.04e+07	0.79	y	33:01	1.45	247		-	-	*	Co-elute PCB 66		
PCB-66	1.04e+07	0.79	y	33:01	1.45	247		-	-	*	Co-elute PCB 76		
PCB-80	5.40e+04	0.86	y	33:16	1.63	1.14	J	-	-	*			
PCB-55	2.93e+05	0.84	y	33:29	1.44	7.02		-	-	*			
13C-PCB-54	2.85e+07	0.82	y	25:38	1.12	962					97.9	3.43e+06	4.17e+06
PCB-104	*	*	n	NotFnd	1.23	*		280	404	0.391			
PCB-96	7.29e+04	1.52	y	31:20	1.21	3.59		-	-	*			
PCB-103	1.70e+05	1.61	y	31:48	1.03	9.79		-	-	*			
PCB-100	6.11e+04	1.62	y	32:07	1.04	3.50		-	-	*			
PCB-94	4.40e+04	1.45	y	32:35	0.87	3.02		-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		280	404	0.563	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		280	404	0.563	Co-elute PCB 98		
PCB-95	7.27e+06	1.60	y	33:05	1.01	428		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		280	404	0.563			
PCB-88	1.26e+06	1.64	y	33:28	0.96	77.7		-	-	*	Co-elute PCB 91		
PCB-91	1.26e+06	1.64	y	33:28	0.96	77.7		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.15	*		280	404	0.418			
13C-PCB-104	1.65e+07	1.63	y	30:08	0.70	886					90.2	2.15e+06	1.33e+06
13C-PCB-28	4.79e+07	1.04	y	26:42	2.24	809					82.3	6.00e+06	5.52e+06
13C-PCB-52	2.60e+07	0.80	y	28:59	-	9.38							

PCB-56	7.70e+06	0.82	y	33:59	1.24	164	-	-	*		Co-elute PCB 60
PCB-60	7.70e+06	0.82	y	33:59	1.24	164	-	-	*		Co-elute PCB 56
PCB-79	3.88e+05	0.83	y	35:00	1.31	7.81	-	-	*		
PCB-78	*	*	n	NotFnd	1.31	*	1050	1230	0.549		
PCB-81	4.87e+05	0.79	y	36:11	1.37	9.25	-	-	*		
13C-PCB-81	3.77e+07	0.79	y	36:08	1.87	872				88.7	3.89e+06 4.88e+06
PCB-77	1.08e+06	0.87	y	36:43	1.25	23.0	-	-	*		
13C-PCB-77	3.69e+07	0.79	y	36:42	1.90	839				85.4	3.16e+06 3.79e+06
PCB-155	*	*	n	NotFnd	1.14	*	500	600	0.522		
PCB-150	4.35e+04	1.39	y	35:26	1.15	2.02	-	-	*		
PCB-152	*	*	n	NotFnd	1.12	*	500	600	0.535		
PCB-145	*	*	n	NotFnd	1.10	*	500	600	0.545		
PCB-136	1.80e+06	1.26	y	36:37	1.05	91.3	-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*	500	600	0.650		
PCB-154	2.79e+05	1.19	y	37:10	1.01	14.7	-	-	*		
13C-PCB-155	1.85e+07	1.32	y	34:13	0.94	846				86.0	2.54e+06 1.98e+06
13C-PCB-111	2.52e+07	1.63	y	36:18	1.27	859				87.4	3.69e+06 2.27e+06
13C-PCB-101	2.28e+07	1.65	y	34:40	-	9.80					
PCB-84	5.73e+06	1.63	y	34:19	0.61	236	-	-	*		Co-elute PCB 92
PCB-92	5.73e+06	1.63	y	34:19	0.61	236	-	-	*		Co-elute PCB 84
PCB-89	1.47e+05	1.60	y	34:31	0.59	6.21	-	-	*		
PCB-90	1.58e+07	1.60	y	34:41	0.69	570	-	-	*		Co-elute PCB 101
PCB-101	1.58e+07	1.60	y	34:41	0.69	570	-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*	980	1050	0.706		
PCB-99	7.24e+06	1.58	y	35:00	0.74	245	-	-	*		
PCB-119	6.05e+05	1.63	y	35:25	0.91	16.6	-	-	*		
PCB-83	7.35e+05	1.77	y	35:35	0.72	25.6	-	-	*		Co-elute PCB 112
PCB-112	7.35e+05	1.77	y	35:35	0.72	25.6	-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*	980	1050	0.683		
PCB-97	4.01e+06	1.60	y	35:55	0.60	167	-	-	*		
PCB-86	*	*	n	NotFnd	0.57	*	980	1050	1.02		
PCB-125	5.59e+06	1.58	y	36:11	0.81	172	-	-	*		Co-elute PCB 87/117
PCB-87	5.59e+06	1.58	y	36:11	0.81	172	-	-	*		Co-elute PCB 125/117
PCB-117	5.59e+06	1.58	y	36:11	0.81	172	-	-	*		Co-elute PCB 125/87
PCB-111	3.59e+05	1.54	y	36:19	0.89	10.1	-	-	*		Co-elute PCB 115
PCB-115	3.59e+05	1.54	y	36:19	0.89	10.1	-	-	*		Co-elute PCB 111
PCB-85	2.17e+06	1.58	y	36:26	0.77	70.5	-	-	*		Co-elute PCB 116
PCB-116	2.17e+06	1.58	y	36:26	0.77	70.5	-	-	*		Co-elute PCB 85
PCB-120	7.53e+04	1.52	y	36:40	0.94	2.01	-	-	*		
PCB-110	1.86e+07	1.60	y	36:49	0.89	520	-	-	*		
PCB-82	1.22e+06	1.52	y	37:24	0.56	54.4	-	-	*		
PCB-124	9.60e+05	1.50	y	38:03	1.25	19.2	-	-	*		
PCB-108	1.72e+06	1.61	y	38:13	1.18	36.4	-	-	*		Co-elute PCB 107
PCB-107	1.72e+06	1.61	y	38:13	1.18	36.4	-	-	*		Co-elute PCB 108
PCB-123	3.46e+05	1.48	y	38:21	1.08	8.62	-	-	*		
13C-PCB-123	3.67e+07	1.61	y	38:19	1.54	925				94.0	4.89e+06 3.10e+06
PCB-118	2.15e+07	1.59	y	38:32	1.17	430	-	-	*		Co-elute PCB 106
PCB-106	2.15e+07	1.59	y	38:32	1.17	430	-	-	*		Co-elute PCB 118
13C-PCB-118	4.21e+07	1.64	y	38:31	1.60	1020				104	5.96e+06 3.57e+06
PCB-114	5.01e+05	1.60	y	39:08	1.19	10.1	-	-	*		
13C-PCB-114	4.09e+07	1.63	y	39:07	1.57	1010				102	5.40e+06 3.37e+06
PCB-122	2.79e+05	1.38	y	39:15	1.23	5.70	-	-	*		
PCB-105	7.76e+06	1.59	y	39:58	1.24	163	-	-	*		
13C-PCB-105	3.76e+07	1.58	y	39:56	1.52	960				97.6	5.15e+06 3.18e+06

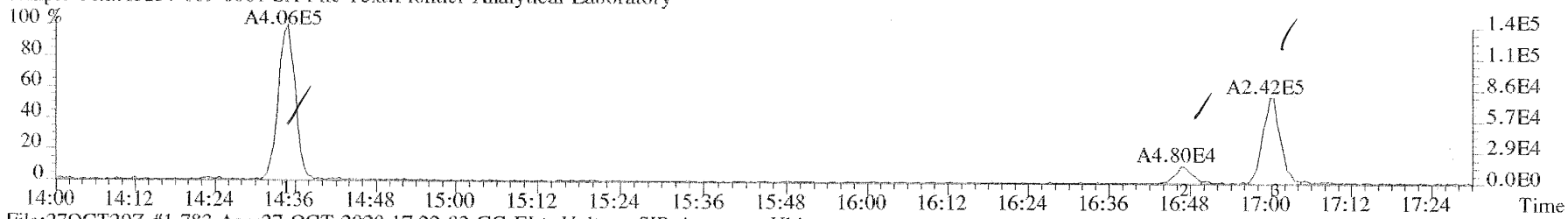
PCB-127	*	*	n	NotFnd	1.16	*		1770	1140	0.713			
PCB-126	8.83e+04	1.76	y	42:05	1.18	1.90	J	-	-	*			
13C-PCB-126	3.85e+07	1.61	y	42:05	1.57	952					96.8	4.69e+06	2.93e+06
PCB-151	3.78e+06	1.25	y	37:48	0.98	133		-	-	*			
PCB-135	2.25e+06	1.26	y	37:59	0.91	84.7		-	-	*			
PCB-144	7.66e+05	1.19	y	38:06	1.12	23.5		-	-	*			
PCB-147	3.17e+05	1.42	y	38:14	1.01	10.7		-	-	*			
PCB-139	1.40e+07	1.29	y	38:27	1.05	460		-	-	*	Co-elute PCB 149		
PCB-149	1.40e+07	1.29	y	38:27	1.05	460		-	-	*	Co-elute PCB 139		
PCB-140	1.93e+05	1.27	y	38:39	1.04	6.36		-	-	*			
PCB-143	8.69e+05	1.25	y	39:05	0.89	33.7		-	-	*	Co-elute PCB 134		
PCB-134	8.69e+05	1.25	y	39:05	0.89	33.7		-	-	*	Co-elute PCB 143		
PCB-131	5.36e+05	1.38	y	39:20	0.89	20.6		-	-	*	Co-elute PCB 133		
PCB-133	5.36e+05	1.38	y	39:20	0.89	20.6		-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.87	*		1020	950	0.797			
PCB-165	3.30e+06	1.28	y	39:43	1.16	97.8		-	-	*	Co-elute PCB 146		
PCB-146	3.30e+06	1.28	y	39:43	1.16	97.8		-	-	*	Co-elute PCB 165		
PCB-161	5.34e+06	1.27	y	39:58	1.06	173		-	-	*	Co-elute PCB 132		
PCB-132	5.34e+06	1.27	y	39:58	1.06	173		-	-	*	Co-elute PCB 161		
PCB-153	1.80e+07	1.30	y	40:06	1.23	504		-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*		1020	950	0.552			
PCB-141	2.80e+06	1.30	y	40:47	1.00	96.3		-	-	*			
PCB-137	7.37e+05	1.29	y	41:09	0.98	25.9		-	-	*			
PCB-130	1.08e+06	1.29	y	41:15	0.94	39.0		-	-	*			
PCB-138	1.96e+07	1.27	y	41:35	1.16	581		-	-	*	Co-elute PCB 163/164		
PCB-163	1.96e+07	1.27	y	41:35	1.16	581		-	-	*	Co-elute PCB 138/164		
PCB-164	1.96e+07	1.27	y	41:35	1.16	581		-	-	*	Co-elute PCB 138/163		
PCB-158	2.46e+06	1.29	y	41:48	1.32	64.1		-	-	*	Co-elute PCB 160		
PCB-160	2.46e+06	1.29	y	41:48	1.32	64.1		-	-	*	Co-elute PCB 158		
PCB-129	6.68e+05	1.34	y	42:05	0.85	26.9		-	-	*			
PCB-166	7.78e+04	1.23	y	42:31	1.30	2.05		-	-	*			
PCB-159	2.66e+05	1.15	y	42:51	1.33	6.85		-	-	*			
PCB-128	2.84e+06	1.27	y	43:04	1.09	89.1		-	-	*	Co-elute PCB 162		
PCB-162	2.84e+06	1.27	y	43:04	1.09	89.1		-	-	*	Co-elute PCB 128		
PCB-167	7.78e+05	1.23	y	43:27	1.24	22.1		-	-	*			
13C-PCB-167	2.80e+07	1.29	y	43:25	1.14	951					96.7	3.61e+06	2.79e+06
PCB-156	2.10e+06	1.25	y	44:41	1.30	54.9		-	-	*			
13C-PCB-156	2.89e+07	1.30	y	44:39	1.11	1010					103	4.03e+06	2.96e+06
PCB-157	4.56e+05	1.16	y	44:56	1.25	12.2		-	-	*			
13C-PCB-157	2.95e+07	1.31	y	44:54	1.11	1030					105	3.90e+06	3.02e+06
PCB-169	*	*	n	NotFnd	1.23	*		1020	950	0.508			
13C-PCB-169	2.82e+07	1.30	y	46:46	1.09	1000					102	4.39e+06	3.38e+06

FAL ID: 13237-009-0001-SA Filename: 27OCT20Z Sam:12 Acquired: 27-OCT-20 17:22:02 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-ENR+AC-CD-CORE ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 10.17

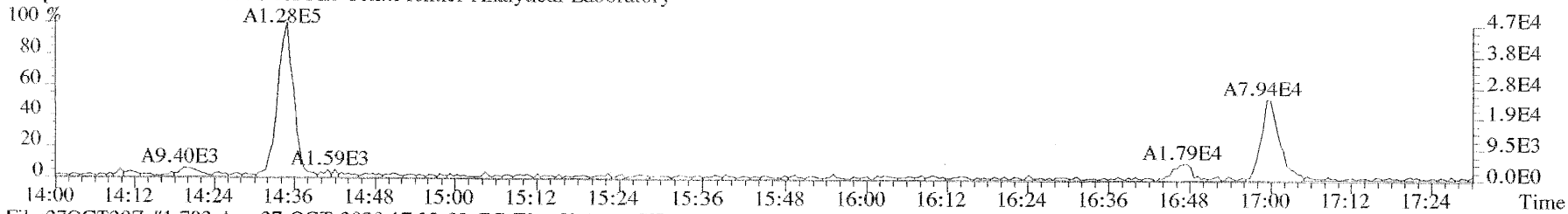
PCB-188	*	*	n	NotFnd	1.23	*	654	728	0.612			
13C-PCB-188	1.78e+07	1.09	y	39:43	0.80	862				87.6	2.34e+06	2.16e+06
PCB-184	*	*	n	NotFnd	1.38	*	654	728	0.510			
PCB-179	1.81e+06	1.10	y	40:54	1.30	79.1	-	-	*			
PCB-176	5.22e+05	1.20	y	41:20	1.30	22.8	-	-	*			
PCB-186	*	*	n	NotFnd	1.28	*	654	728	0.548			
PCB-178	6.89e+05	1.17	y	42:23	0.94	41.6	-	-	*			
PCB-175	1.22e+05	1.09	y	42:42	0.99	6.99	-	-	*			
PCB-187	4.20e+06	1.07	y	42:51	1.07	223	-	-	*		Co-elute PCB 182	
PCB-182	4.20e+06	1.07	y	42:51	1.07	223	-	-	*		Co-elute PCB 187	
PCB-183	1.93e+06	1.05	y	43:09	1.04	105	-	-	*			
PCB-185	3.31e+05	1.18	y	43:48	0.96	19.6	-	-	*			
PCB-174	2.76e+06	1.06	y	44:08	1.01	155	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	654	728	0.739			
PCB-177	1.70e+06	1.11	y	44:23	0.89	108	-	-	*			
PCB-171	8.57e+05	1.16	y	44:39	0.95	51.4	-	-	*			
PCB-173	6.68e+04	1.14	y	45:04	0.86	4.40	-	-	*			
PCB-172	4.80e+05	1.10	y	45:27	0.89	30.6	-	-	*			
PCB-192	*	*	n	NotFnd	1.18	*	654	728	0.596			
PCB-180	6.59e+06	1.09	y	45:48	0.94	396	-	-	*			
PCB-193	4.52e+05	1.06	y	45:58	1.25	20.4	-	-	*			
PCB-191	1.54e+05	1.17	y	46:12	1.23	7.10	-	-	*			
PCB-170	2.47e+06	1.09	y	47:06	0.89	158	-	-	*			
PCB-190	7.59e+05	1.15	y	47:16	1.19	36.2	-	-	*			
PCB-189	1.41e+05	1.13	y	48:26	1.21	6.80	-	-	*			
13C-PCB-189	1.69e+07	1.10	y	48:26	0.73	896				91.1	2.75e+06	2.47e+06
PCB-202	2.79e+05	0.87	y	44:51	1.10	23.6	-	-	*			
PCB-201	1.77e+05	0.88	y	45:17	1.25	13.1	-	-	*			
PCB-204	*	*	n	NotFnd	1.19	*	460	400	0.747			
PCB-197	5.92e+04	0.77	y	45:42	1.20	4.57	-	-	*			
PCB-200	1.50e+05	0.85	y	46:26	1.21	11.5	-	-	*			
PCB-198	5.19e+04	0.83	y	47:37	0.81	5.94	-	-	*			
PCB-199	9.99e+05	0.95	y	47:42	0.93	99.7	-	-	*			
PCB-203	1.15e+06	0.96	y	47:57	0.93	115	-	-	*		Co-elute PCB 196	
PCB-196	1.15e+06	0.96	y	47:57	0.93	115	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.06e+07	0.91	y	44:49	0.55	747				76.0	1.12e+06	1.26e+06
13C-PCB-178	1.36e+07	1.10	y	42:21	0.62	843				85.7	1.71e+06	1.49e+06
13C-PCB-138	2.54e+07	1.31	y	41:33	-	9.59						
PCB-195	9.22e+05	0.93	y	49:03	0.91	33.3	-	-	*			
PCB-194	2.29e+06	0.90	y	49:51	0.97	77.9	-	-	*			
PCB-205	1.67e+05	0.82	y	50:06	1.17	4.68	-	-	*			
13C-PCB-205	2.99e+07	0.88	y	50:06	1.20	1030				105	5.27e+06	5.87e+06
PCB-208	3.29e+05	1.42	y	49:10	1.13	11.0	-	-	*			
13C-PCB-208	2.61e+07	0.82	y	49:09	0.98	1100				112	4.25e+06	5.26e+06
PCB-207	1.61e+05	1.36	y	49:27	1.33	5.34	-	-	*			
PCB-206	8.68e+05	1.30	y	51:19	1.19	38.3	-	-	*			
13C-PCB-206	1.87e+07	0.81	y	51:17	0.70	1110				113	2.94e+06	3.62e+06
PCB-209	4.47e+05	1.20	y	52:29	1.23	20.4	-	-	*			
13C-PCB-209	1.75e+07	1.21	y	52:28	0.70	1040				106	2.94e+06	2.50e+06
13C-PCB-194	2.37e+07	0.91	y	49:50	-	8.91						

Analyst: [illegible] Date: 11/5/20

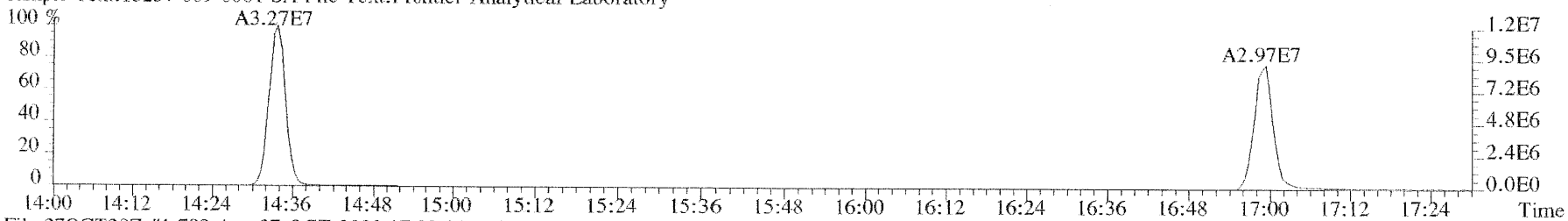
File:27OCT20Z #1-783 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



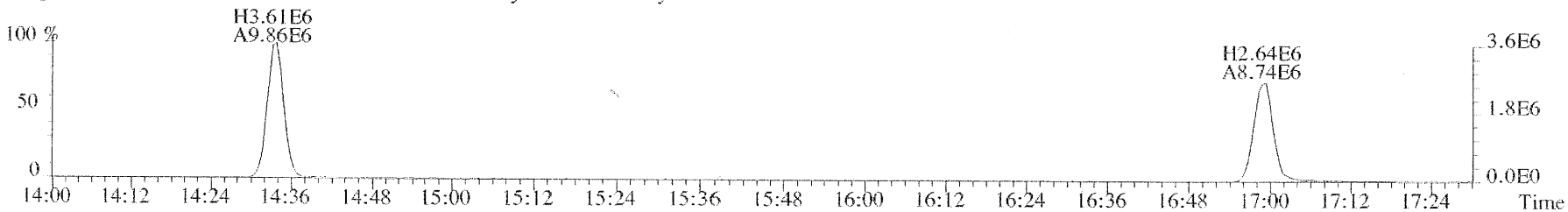
File:27OCT20Z #1-783 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



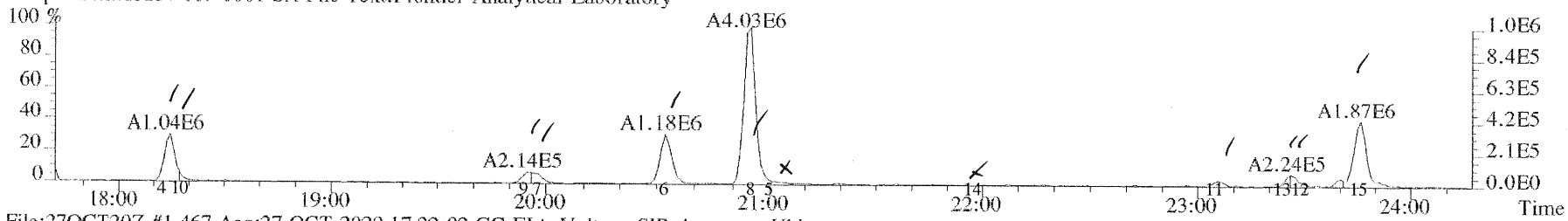
File:27OCT20Z #1-783 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



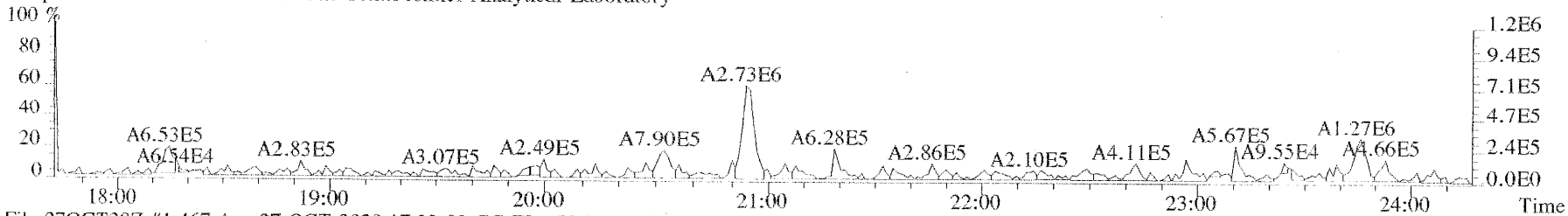
File:27OCT20Z #1-783 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



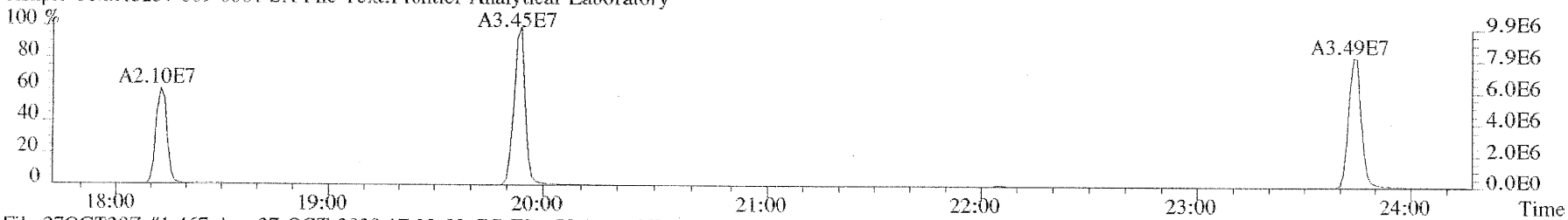
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



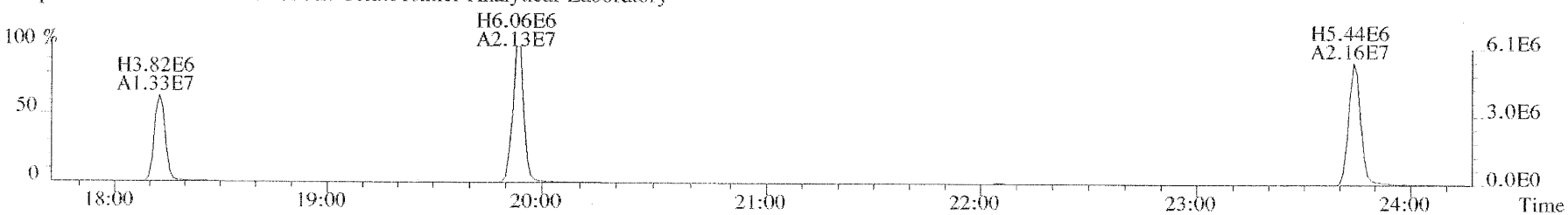
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



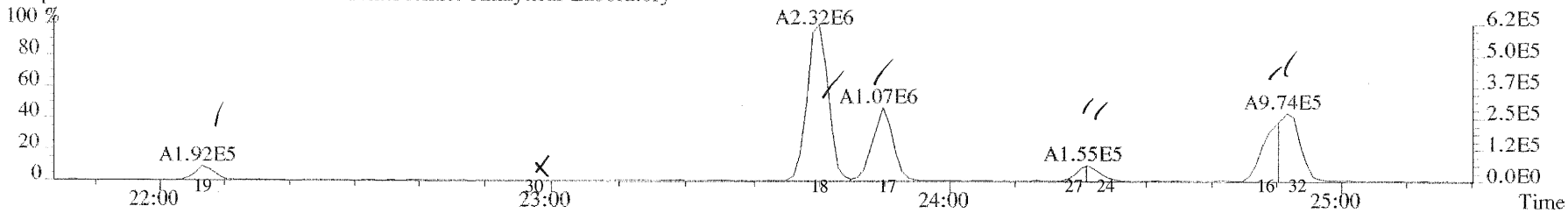
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



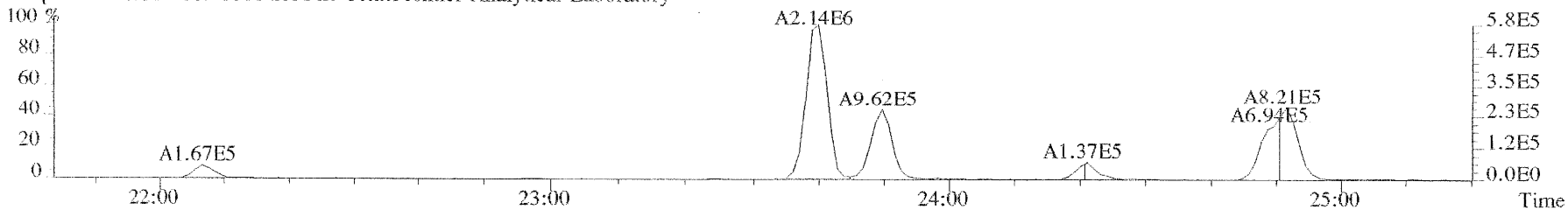
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



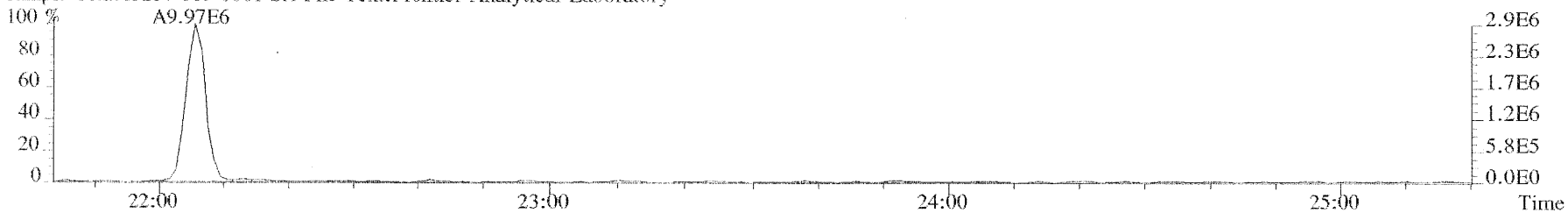
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



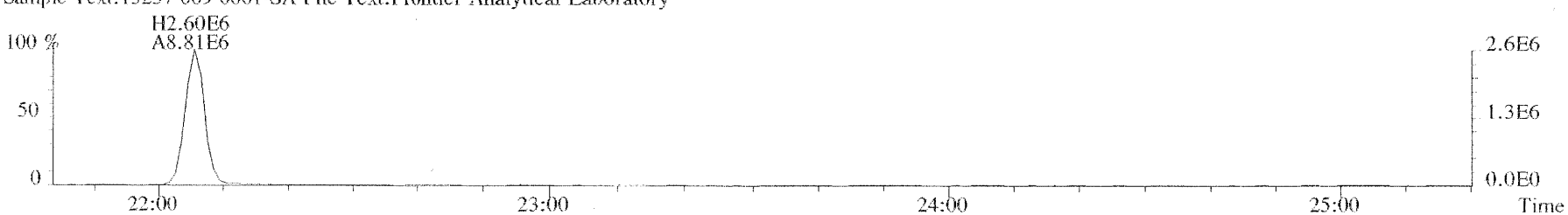
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



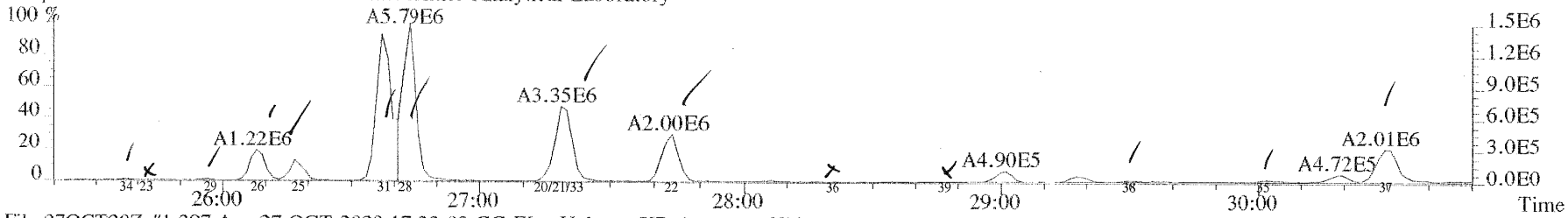
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



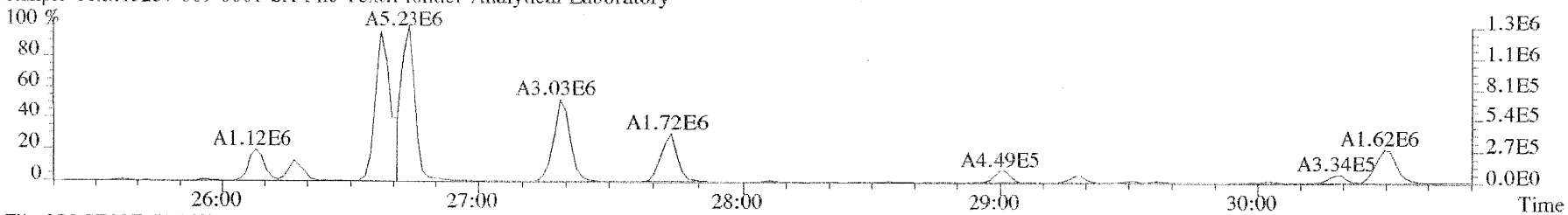
File:27OCT20Z #1-467 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



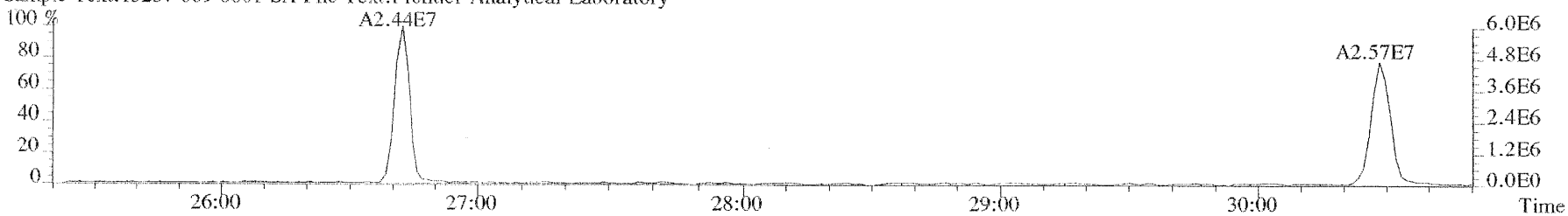
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



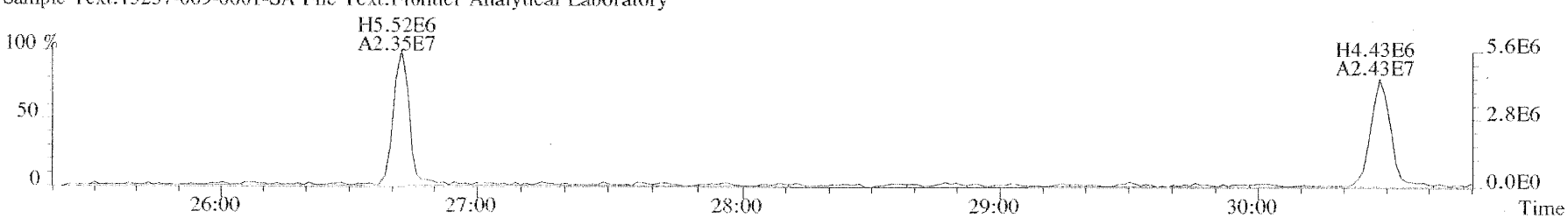
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



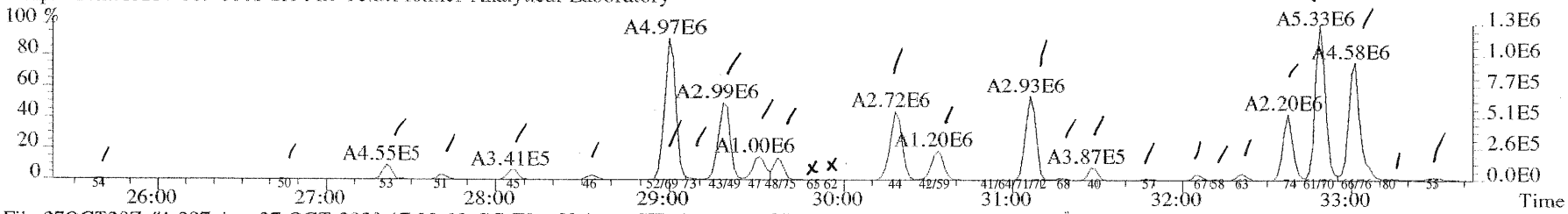
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



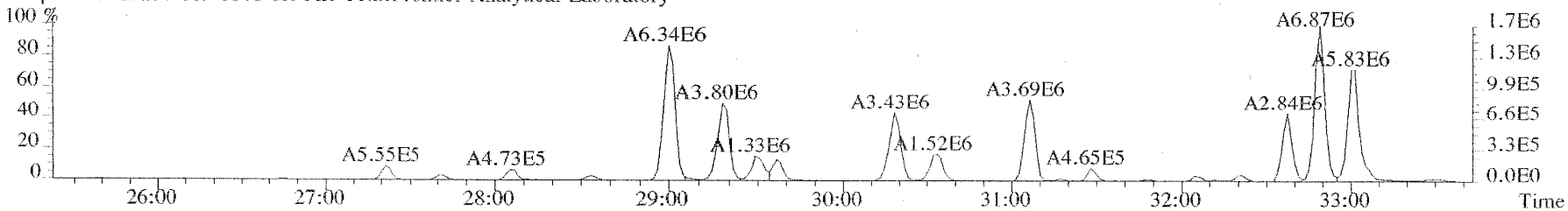
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



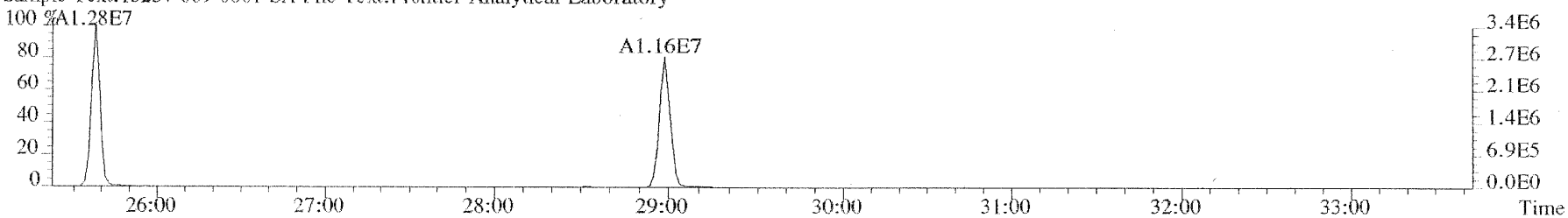
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



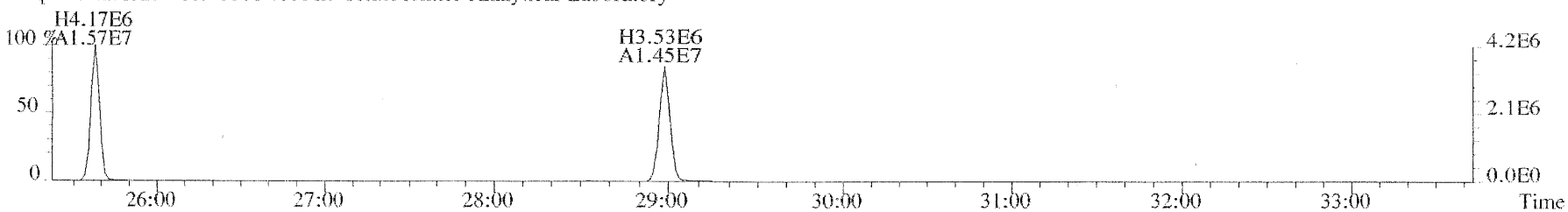
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



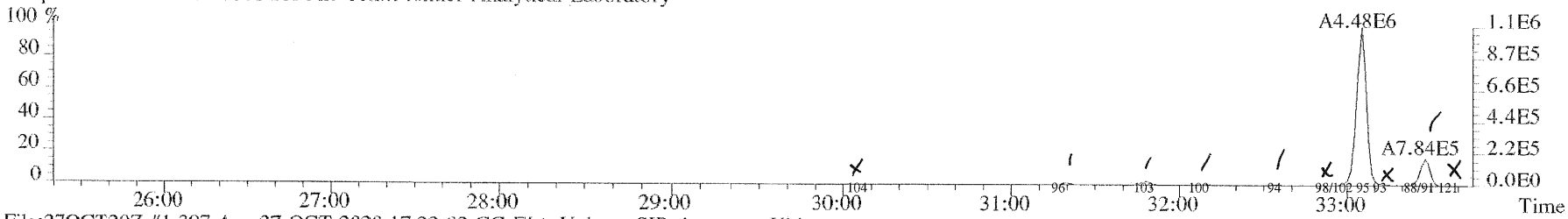
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



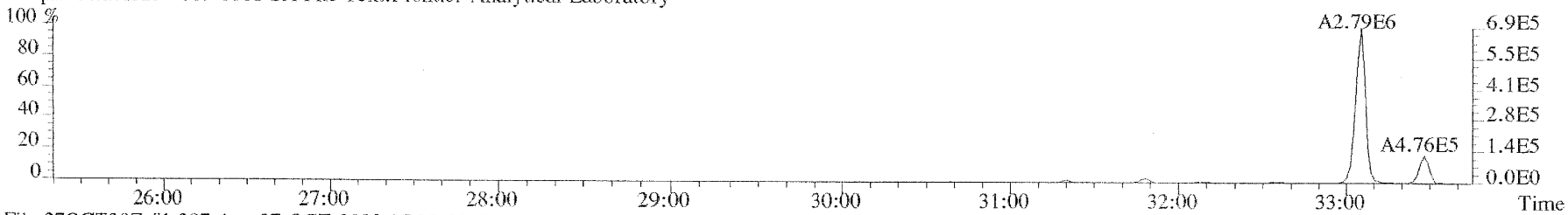
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



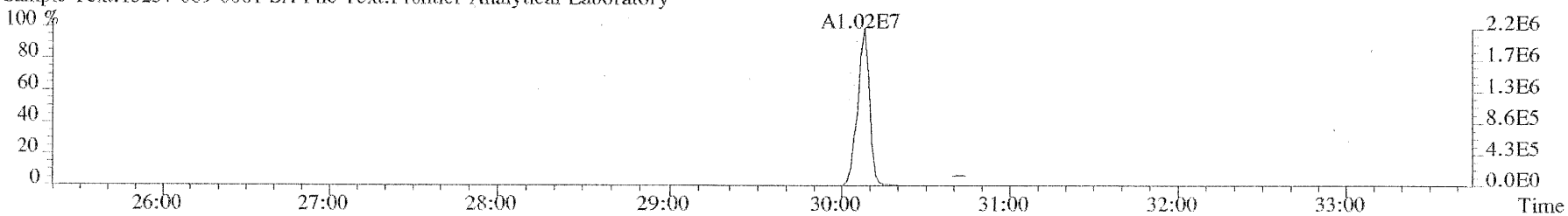
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



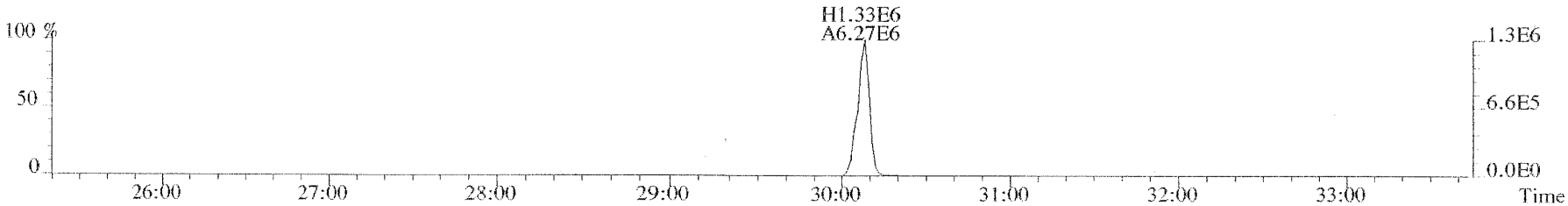
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



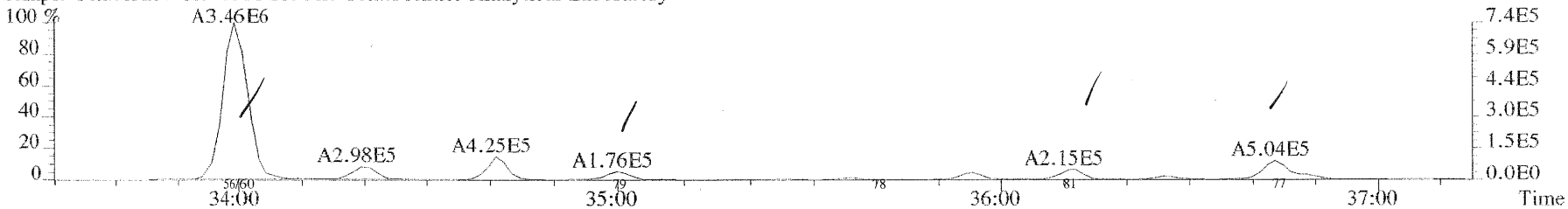
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



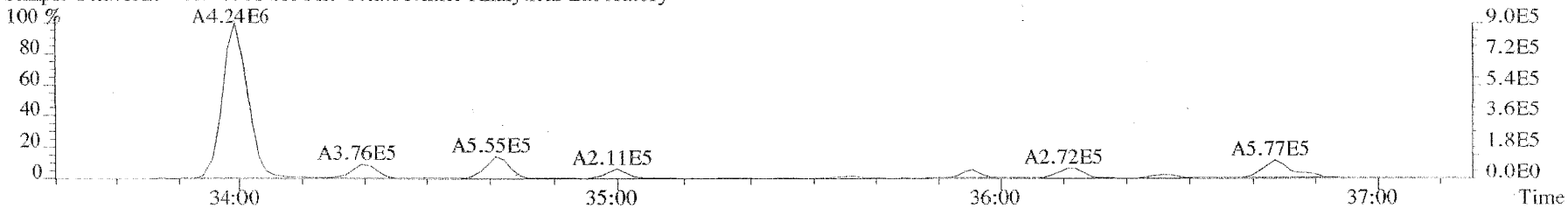
File:27OCT20Z #1-397 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



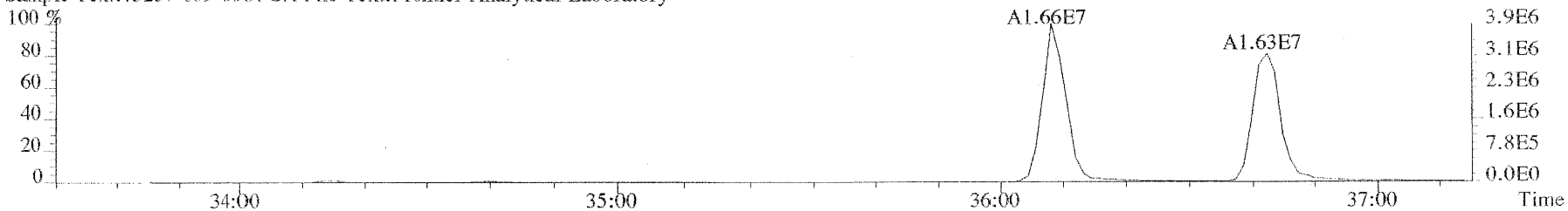
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



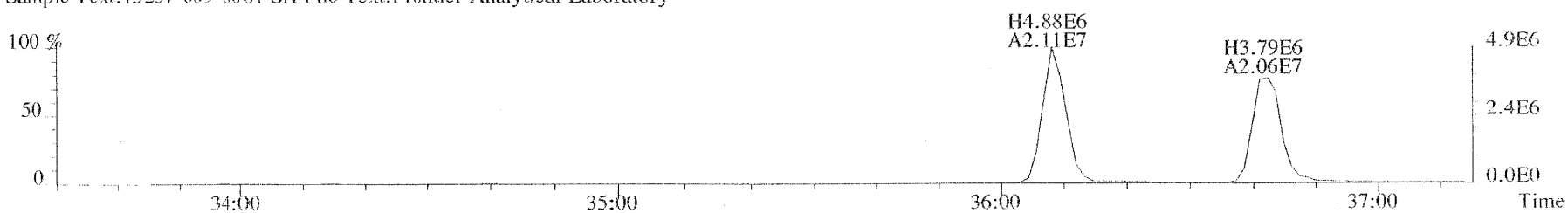
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



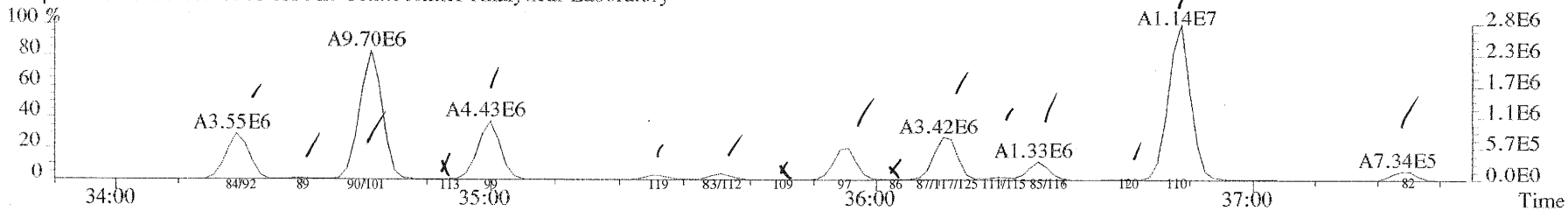
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



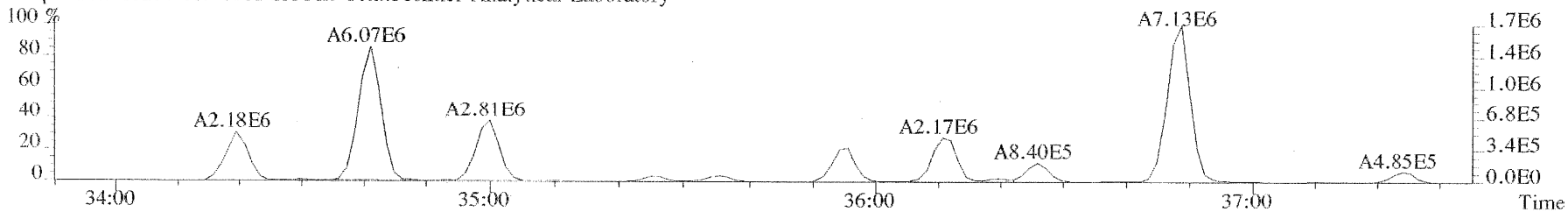
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



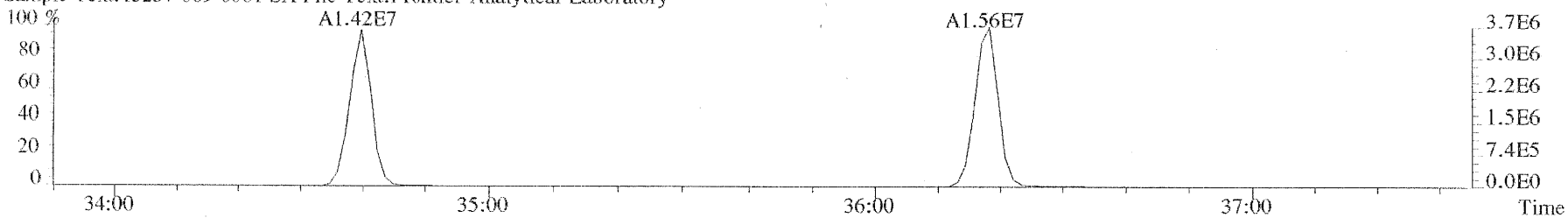
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



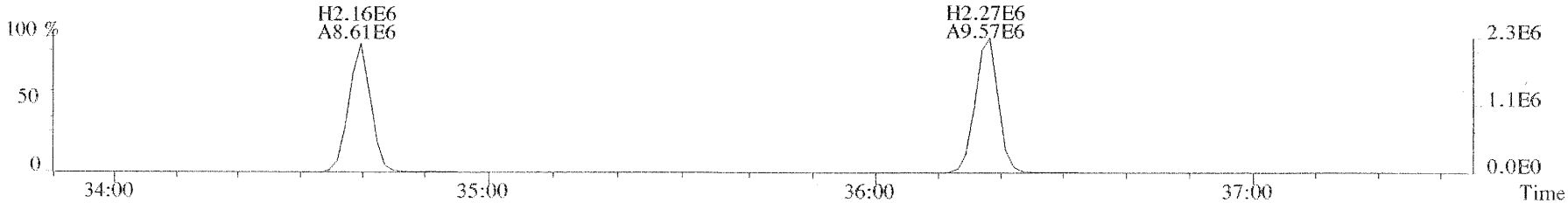
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



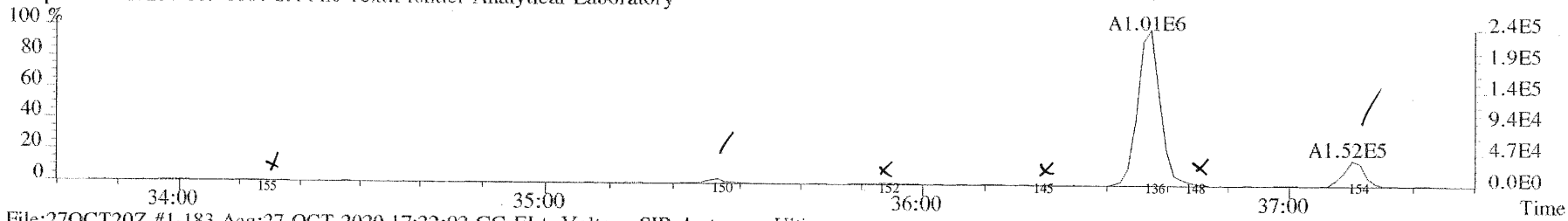
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



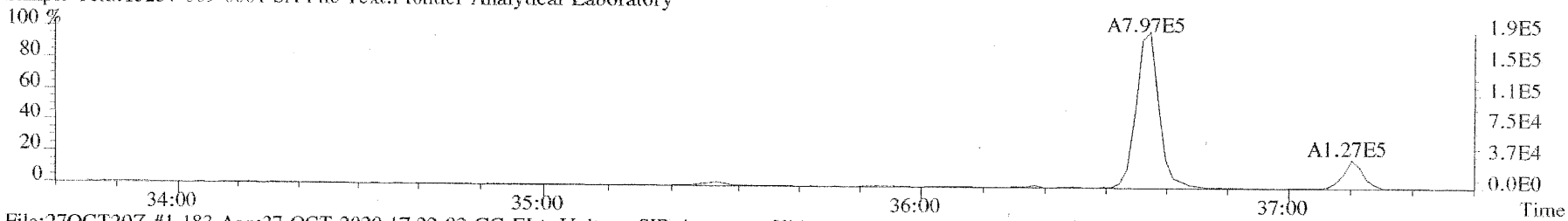
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



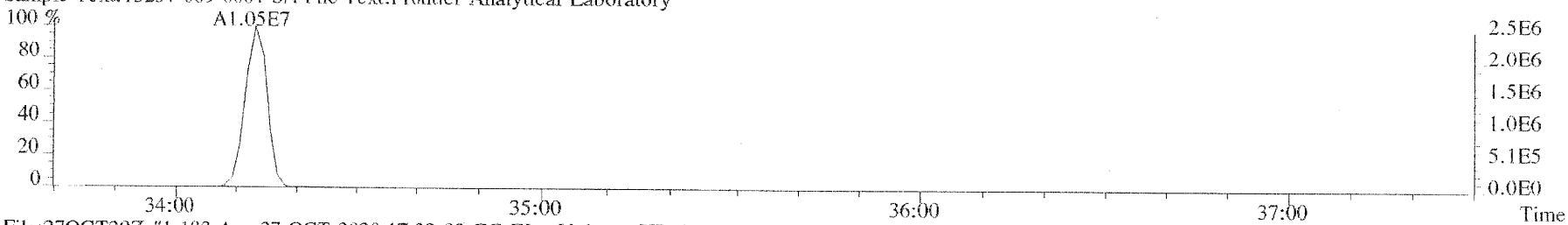
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



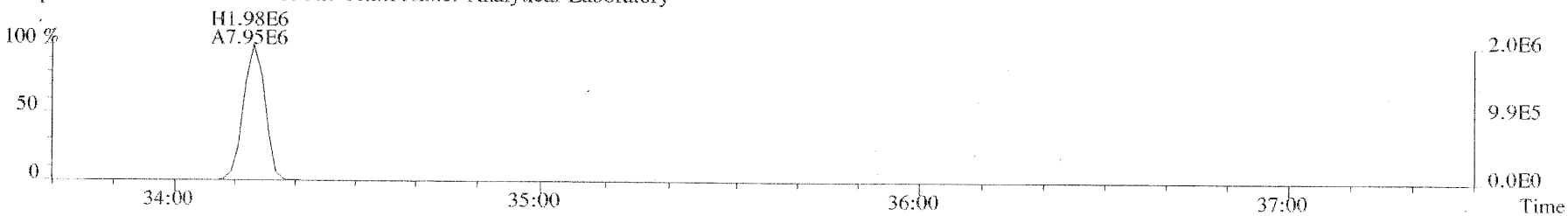
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



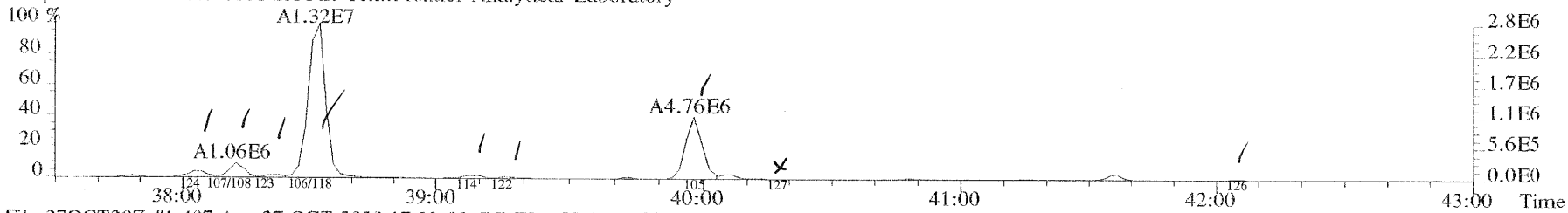
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



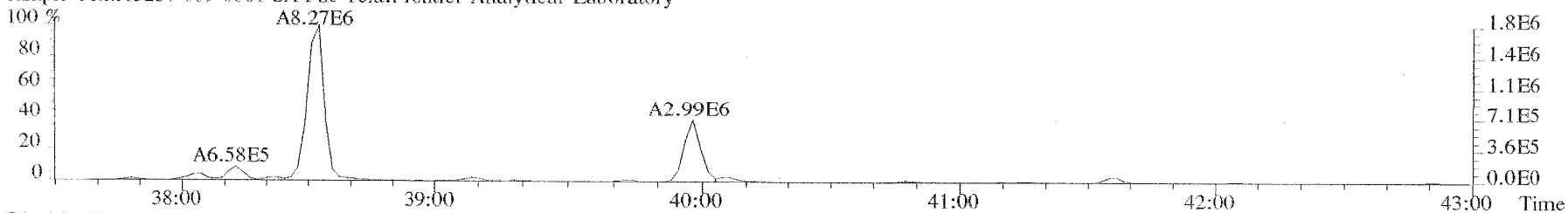
File:27OCT20Z #1-183 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



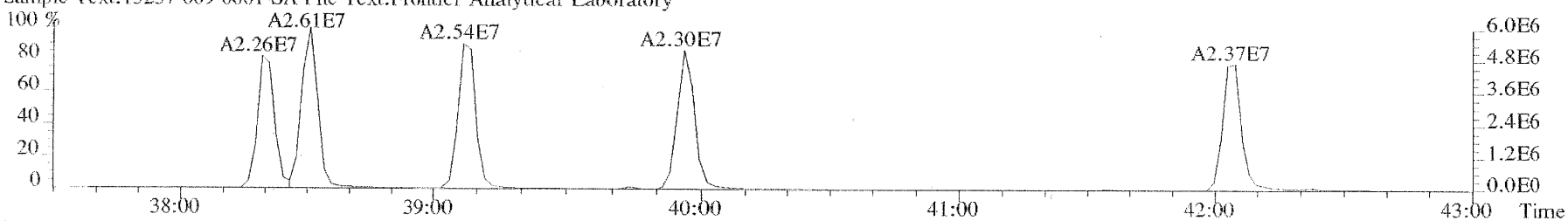
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



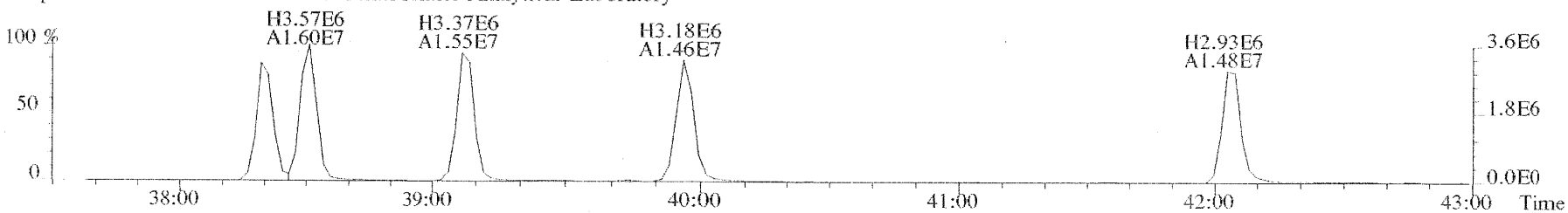
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



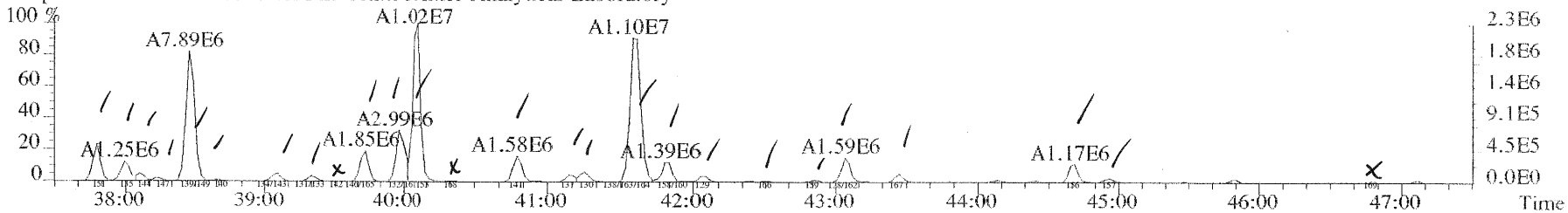
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



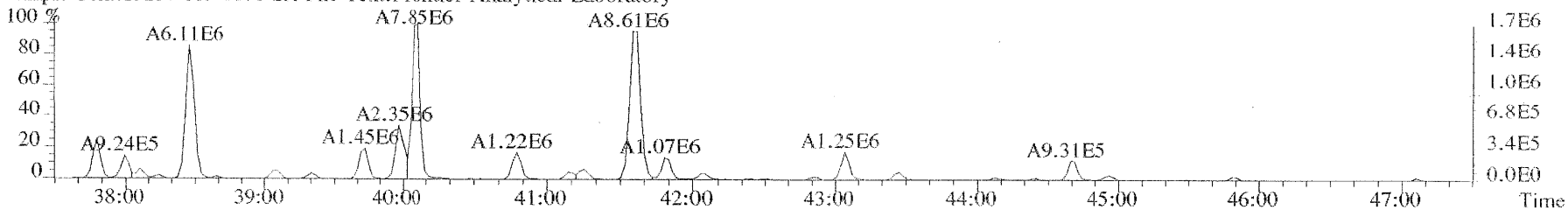
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



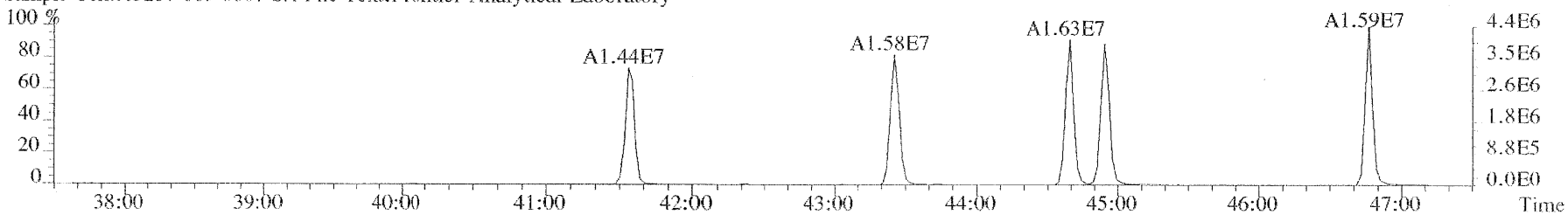
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



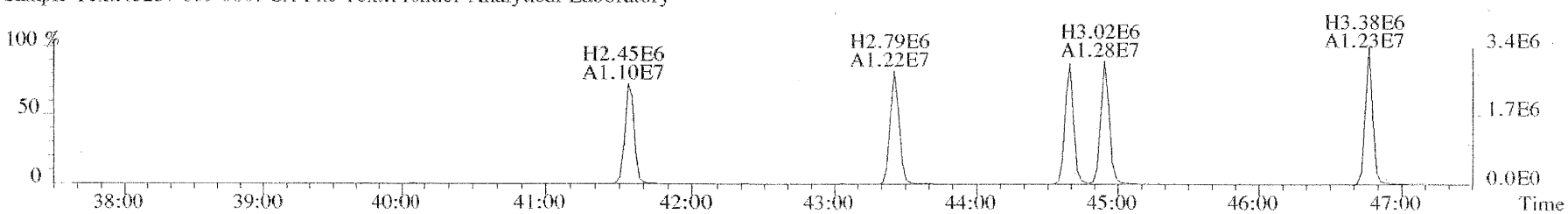
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



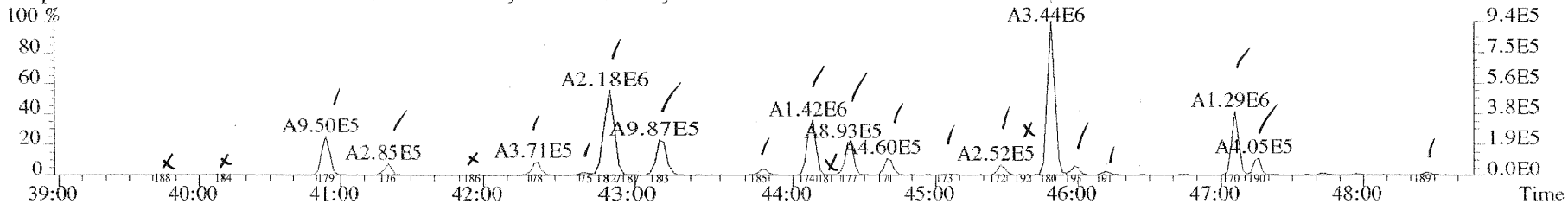
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



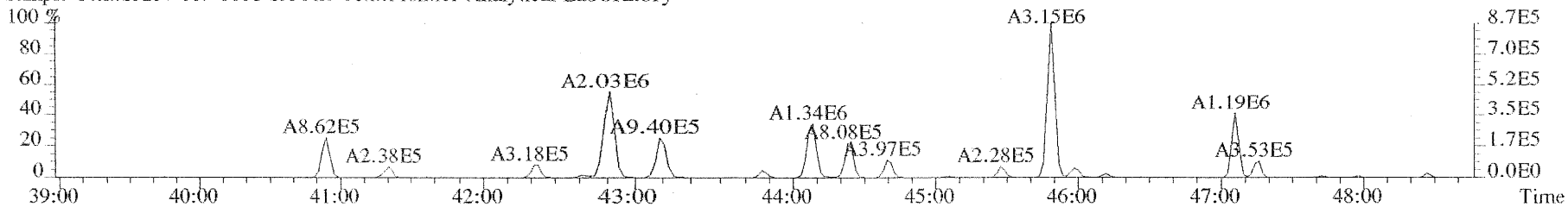
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



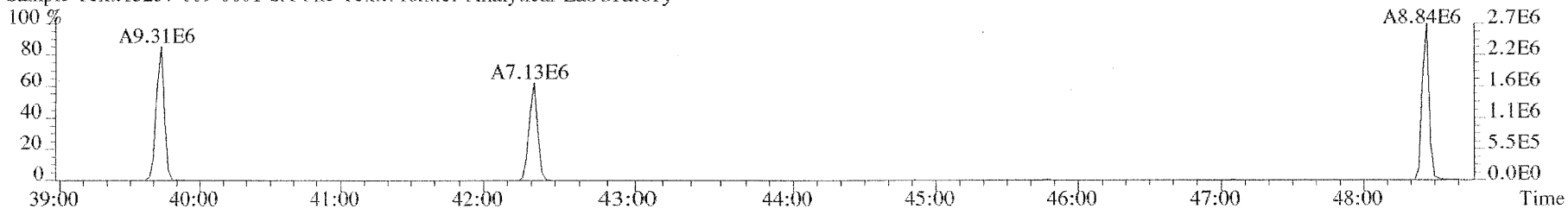
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



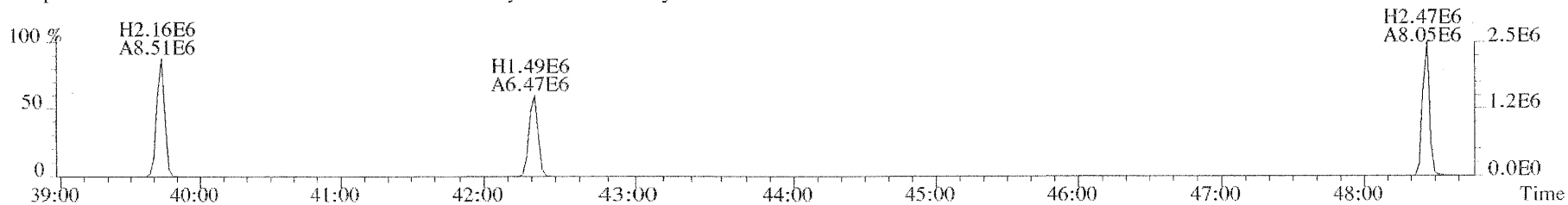
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



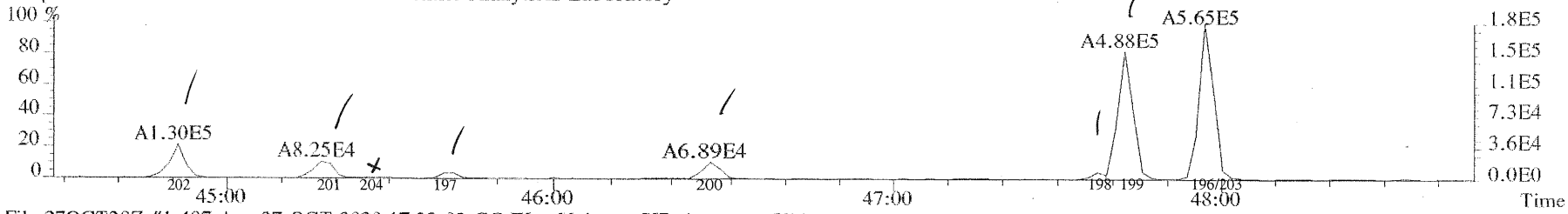
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



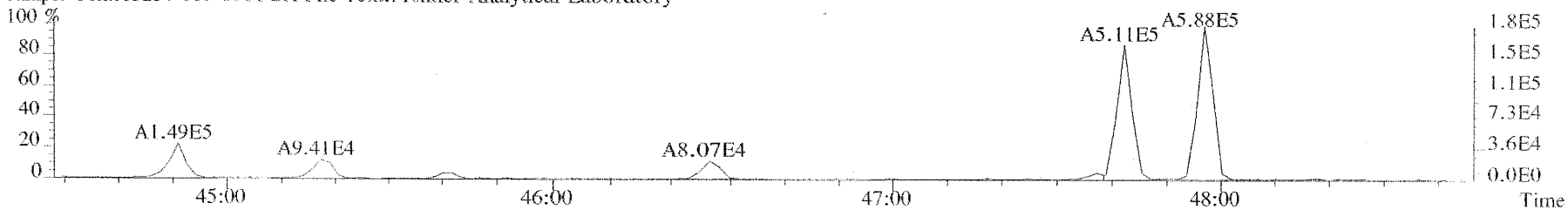
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



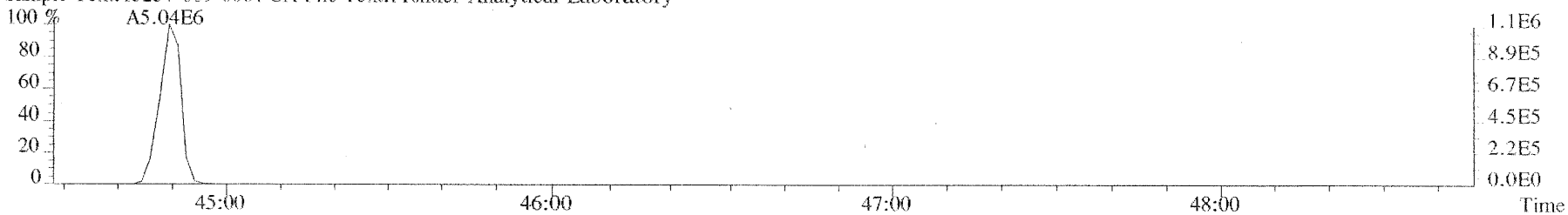
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



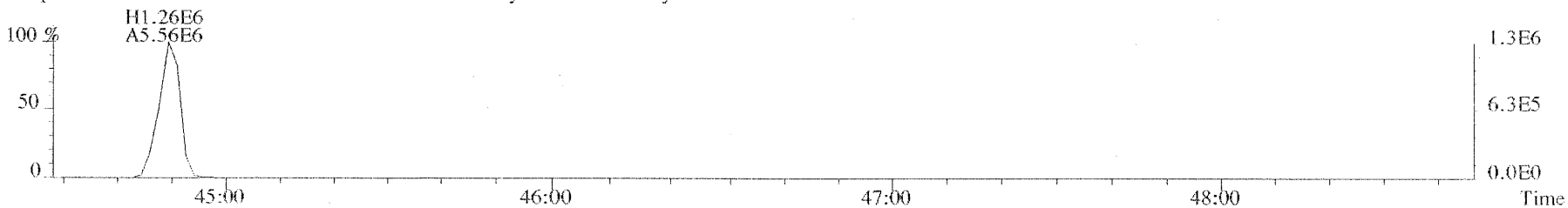
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



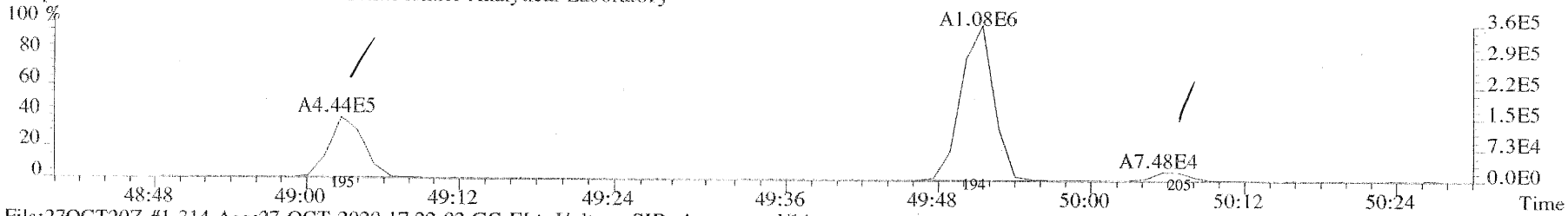
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



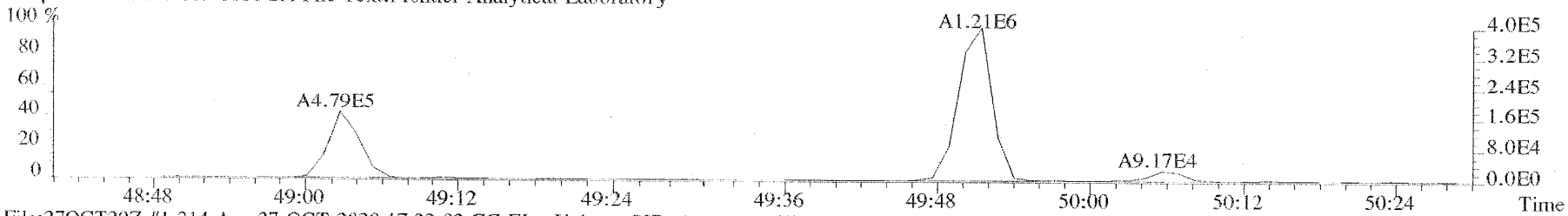
File:27OCT20Z #1-407 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



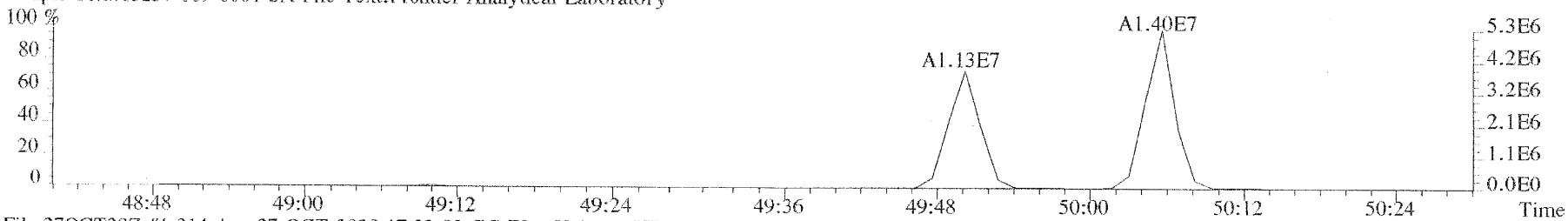
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



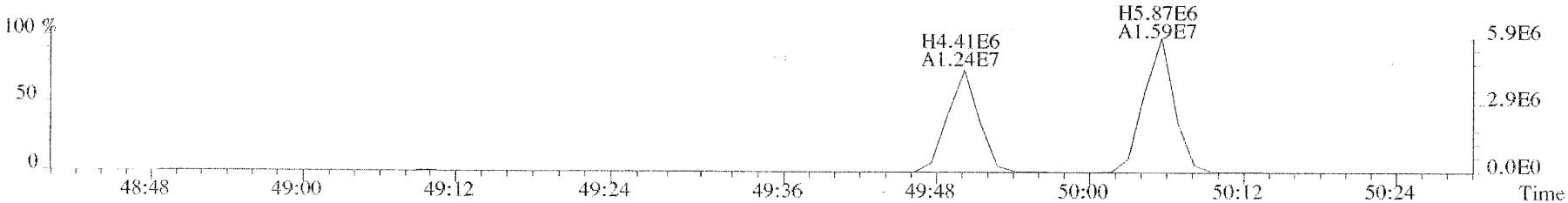
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



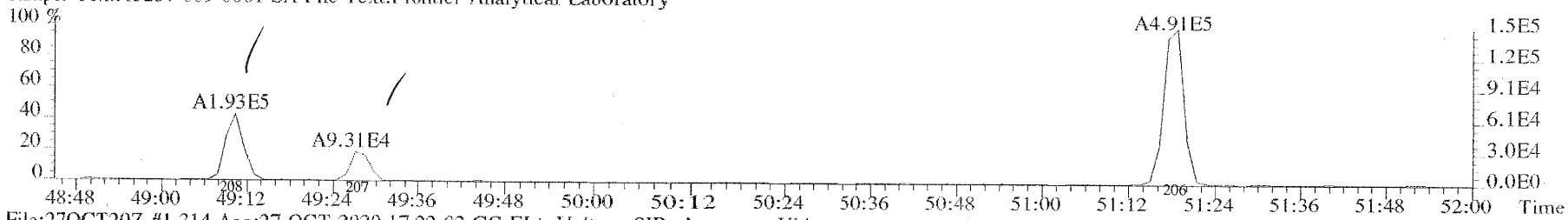
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



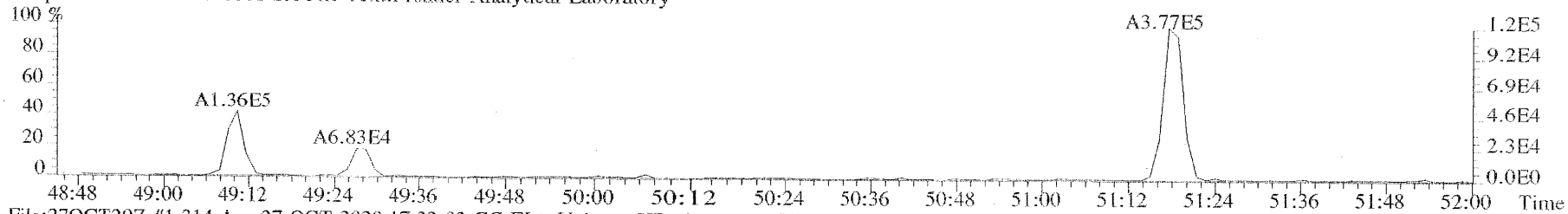
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



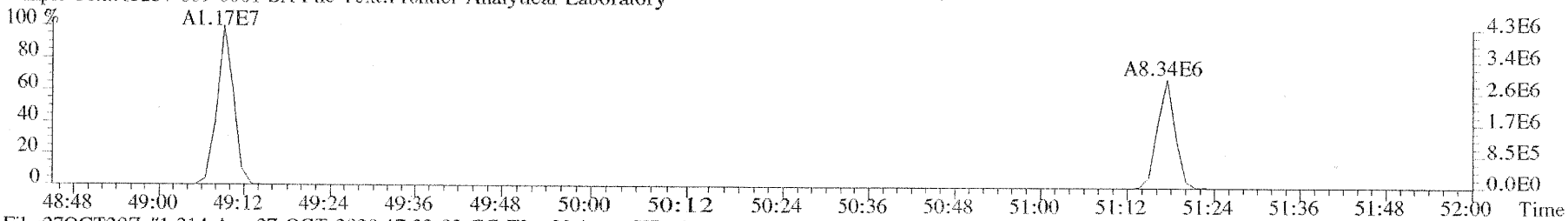
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



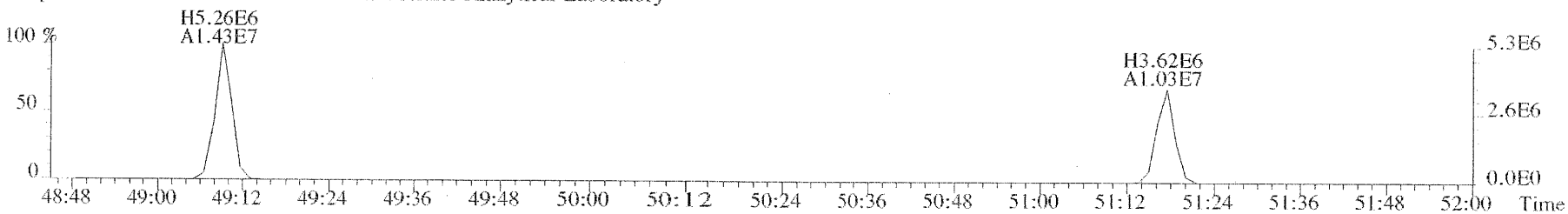
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



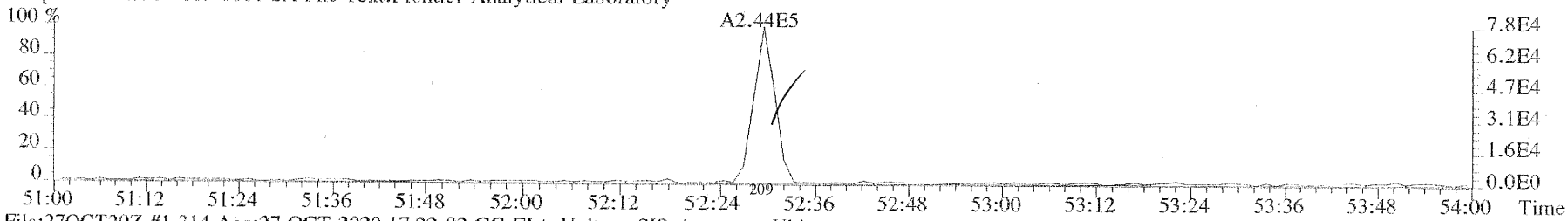
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



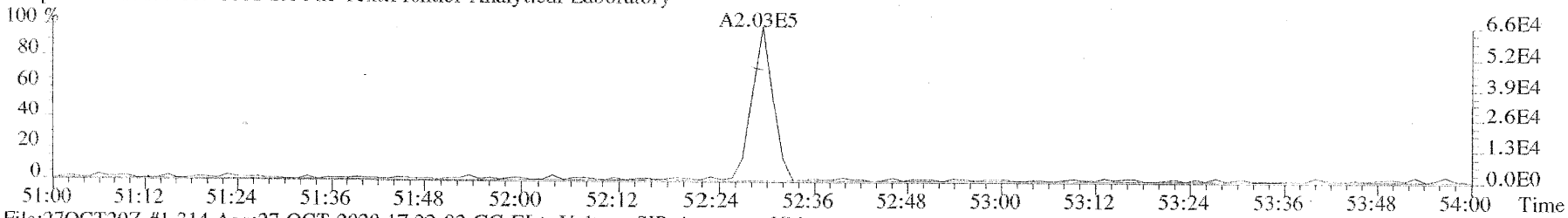
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



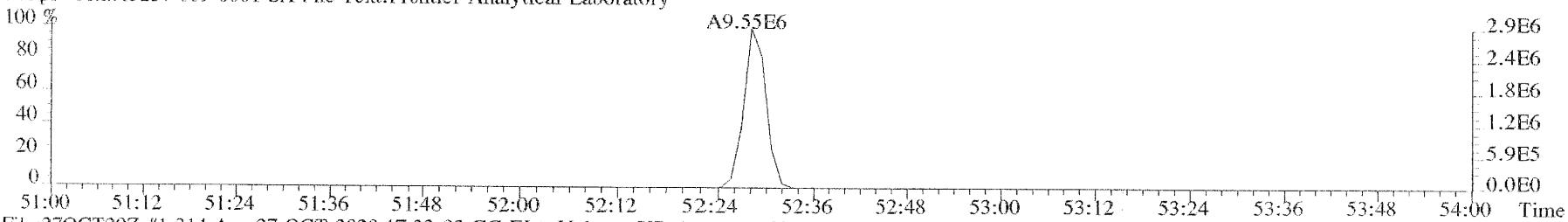
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



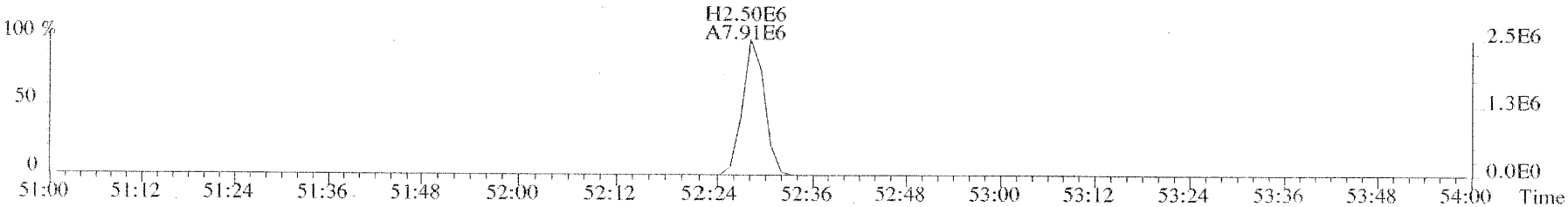
File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13237-009-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 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:13237-009-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 17:22:02 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:13237-009-0001-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: [illegible] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory - Acquisition Log

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

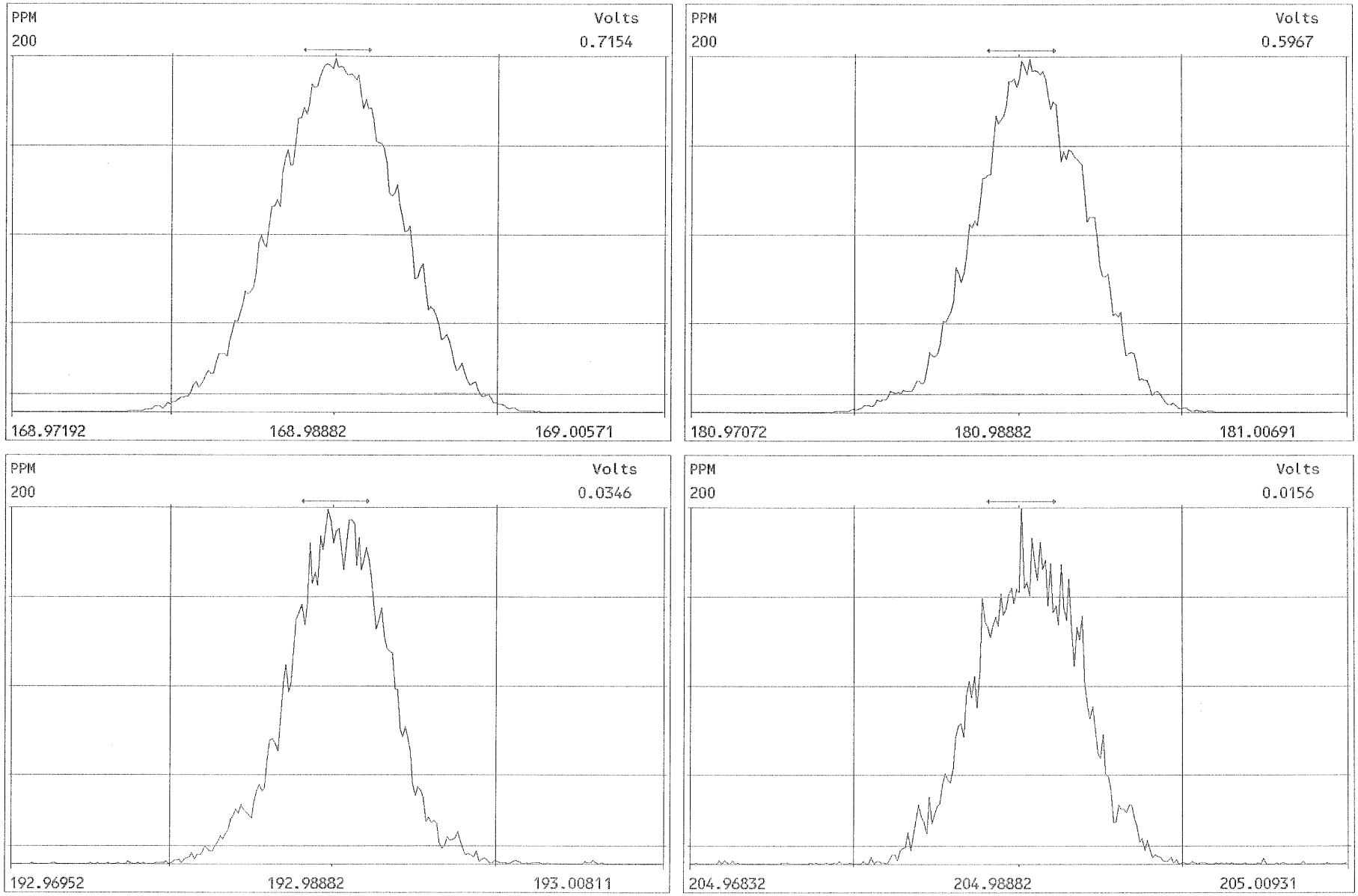
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399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

7/28/20

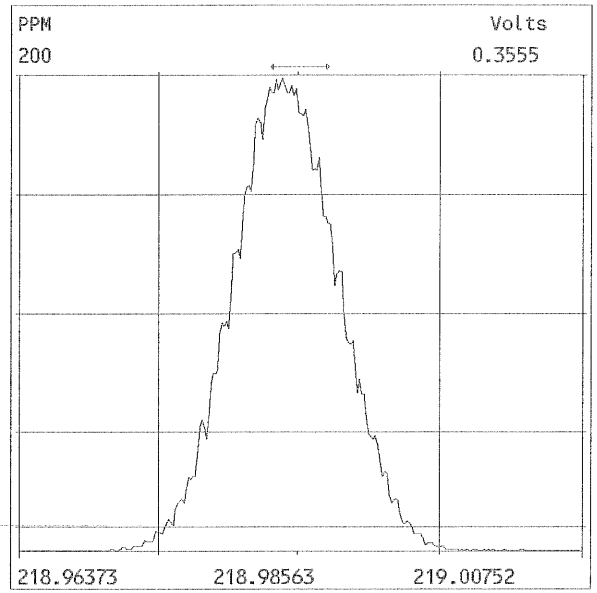
Data Backed Up:_____

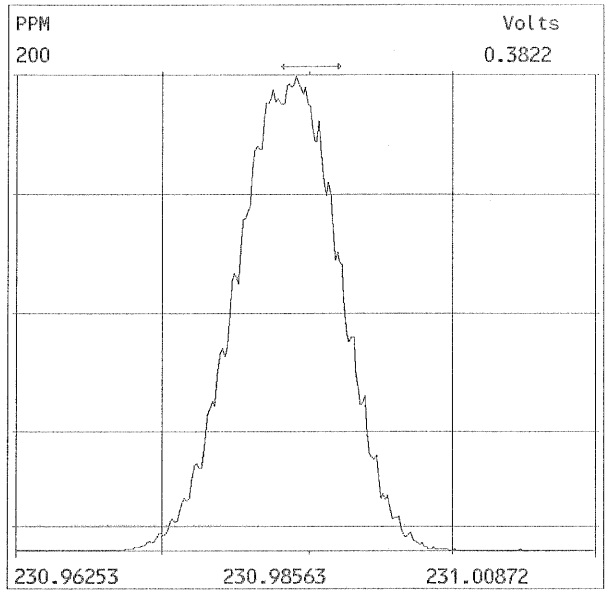
Date:_____

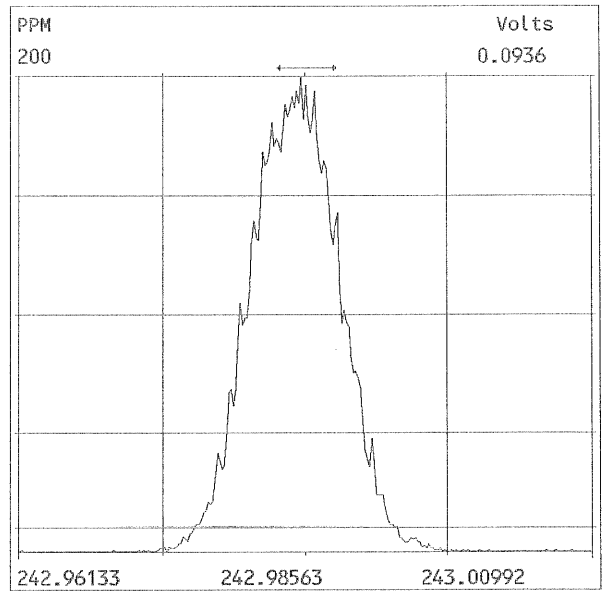
Peak Locate Examination:22-JUL-2020:08:00 File:22JUL20Z
Experiment:1668PCB Function:1 Reference:PFK 99

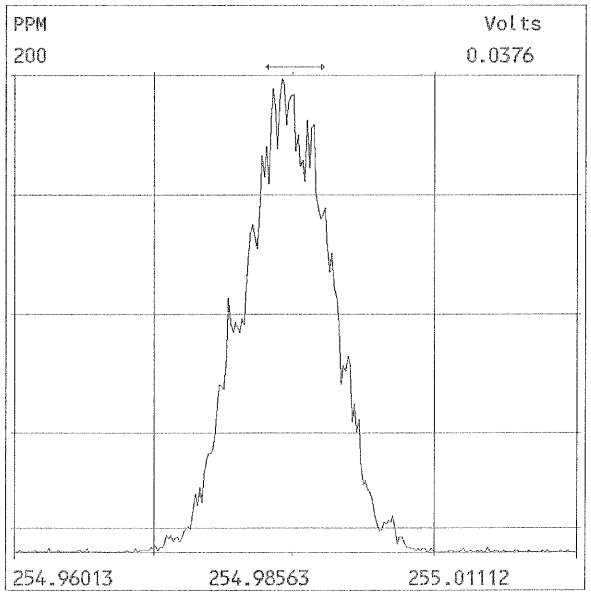


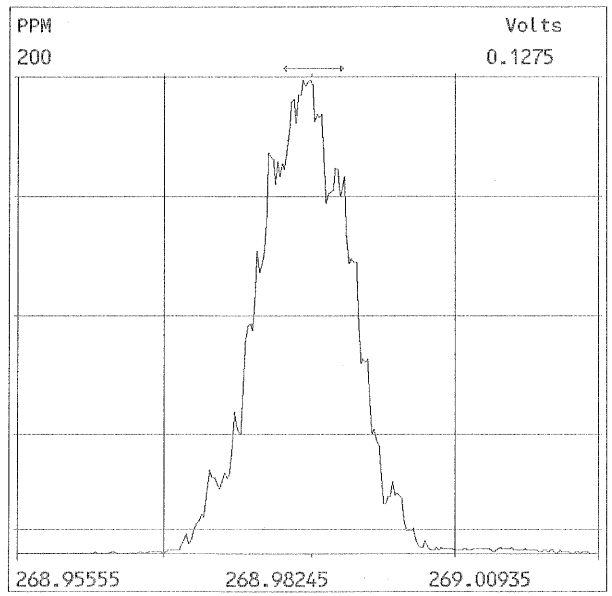
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

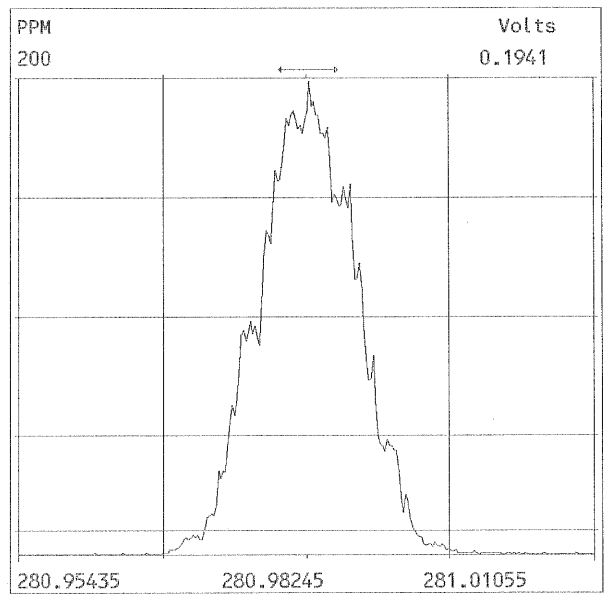




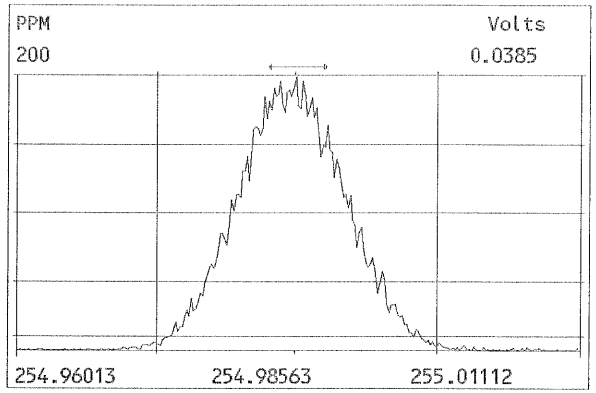


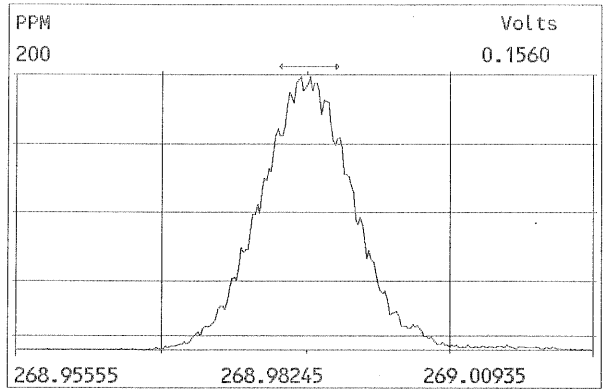


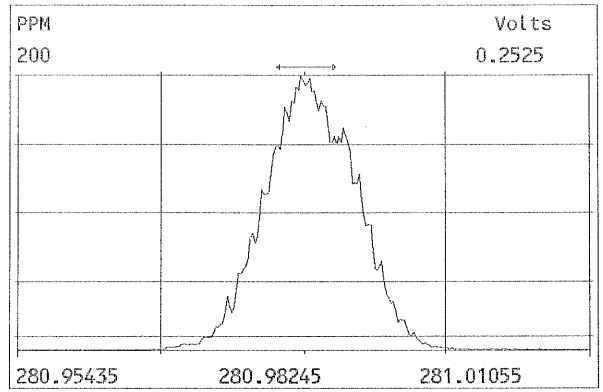


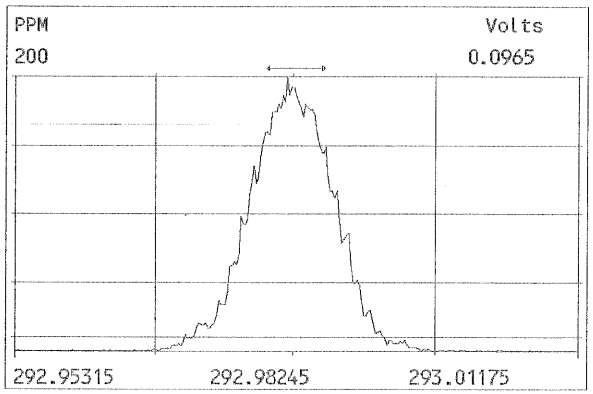


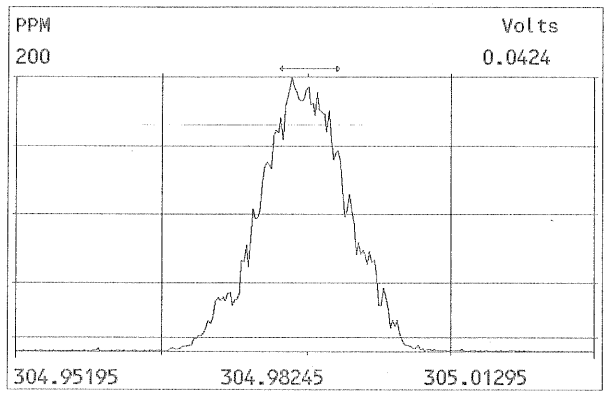
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

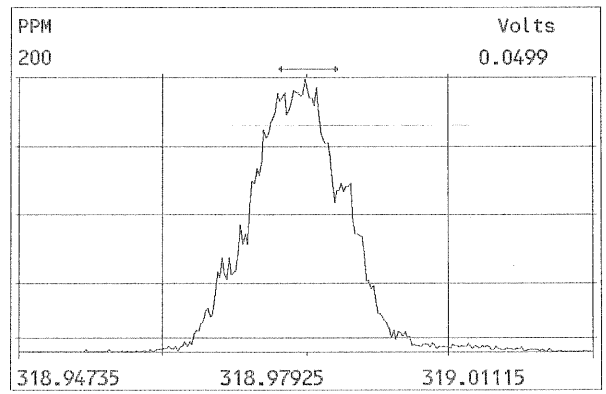


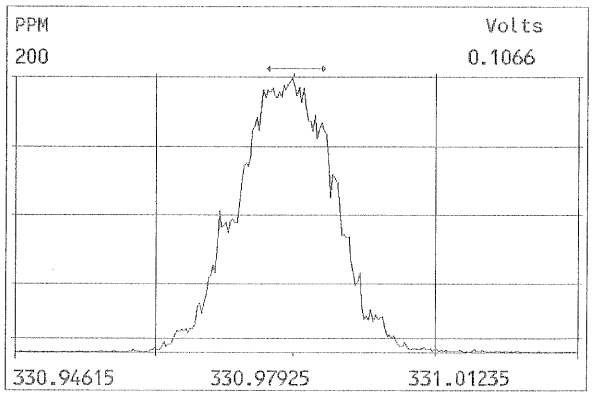


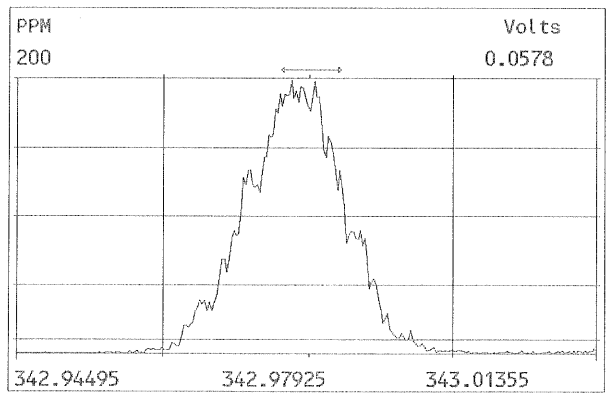




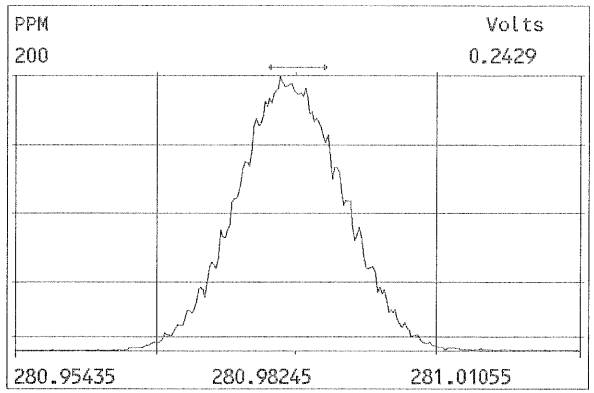


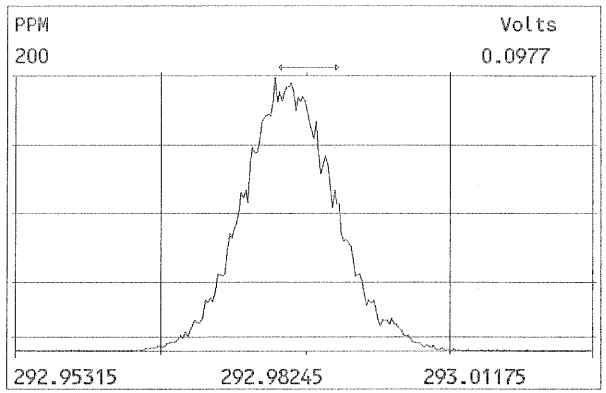


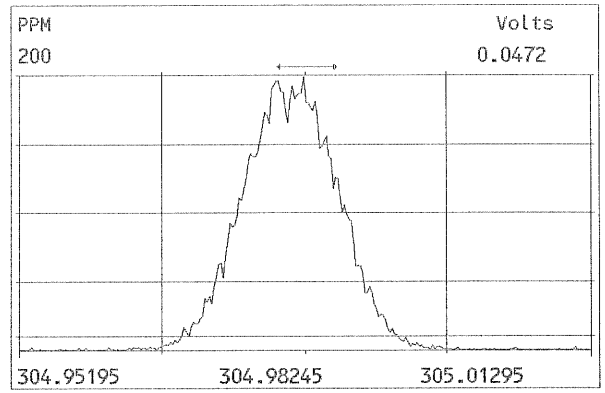


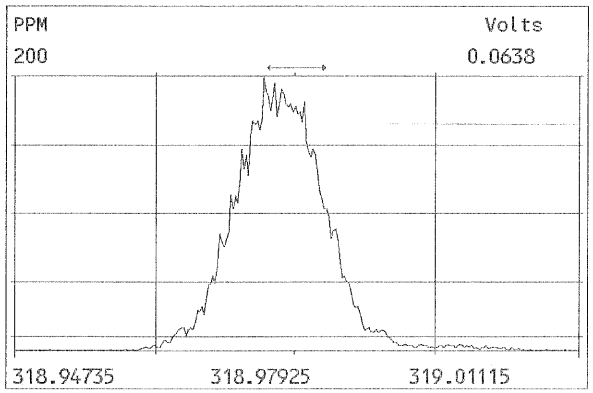


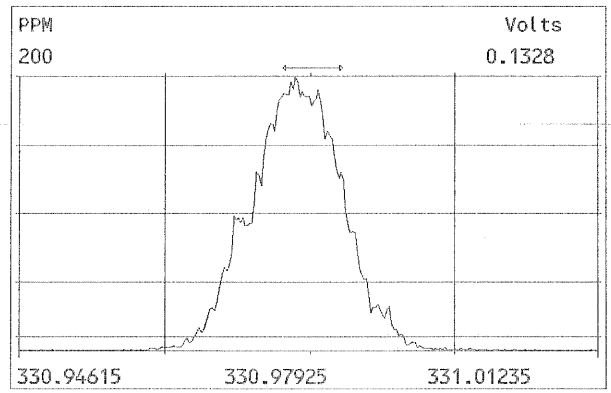
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

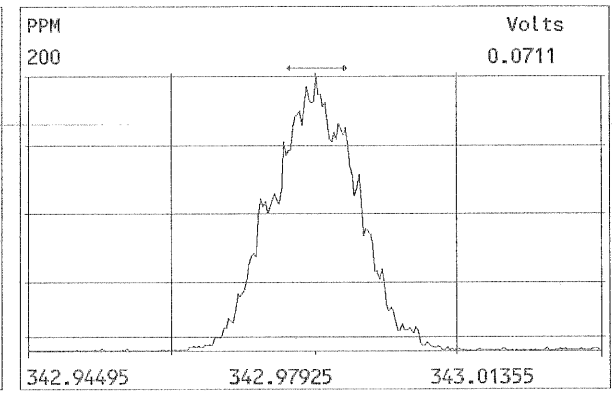


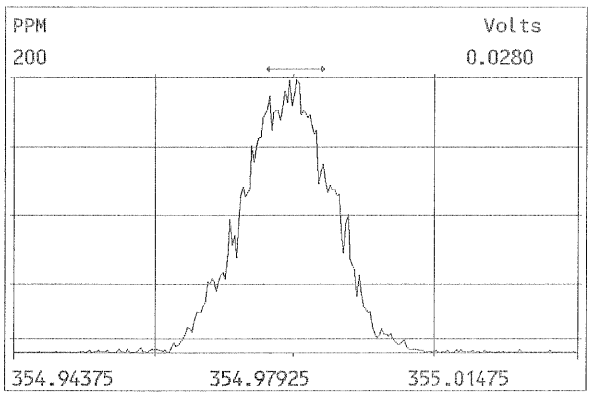


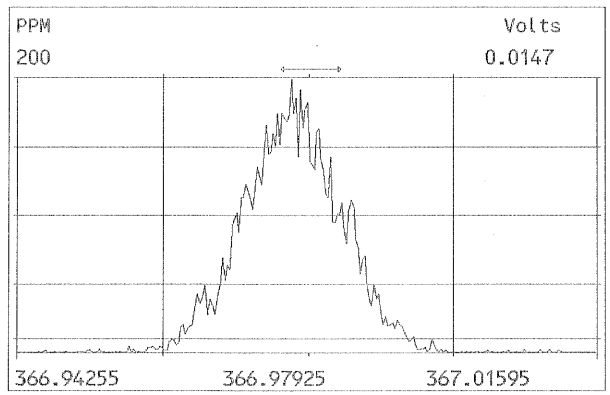


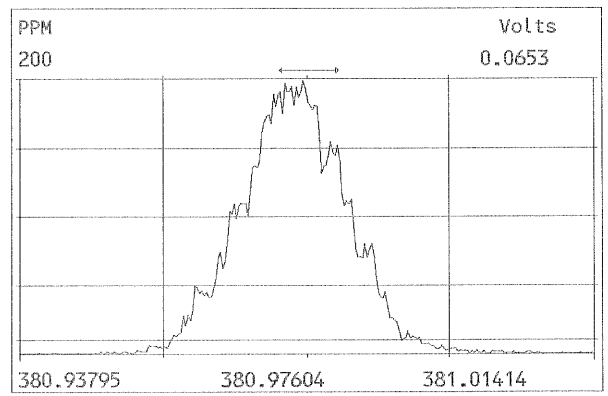




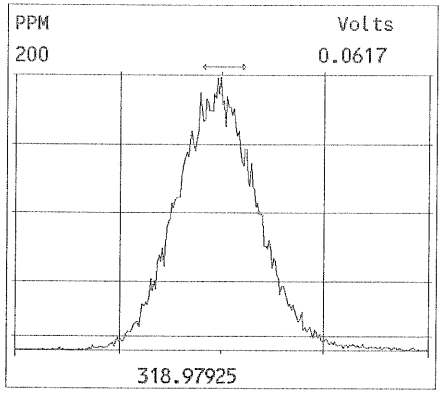


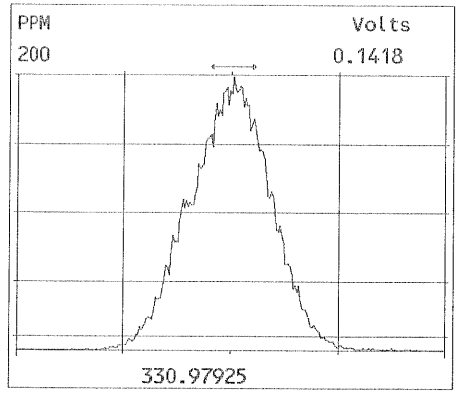


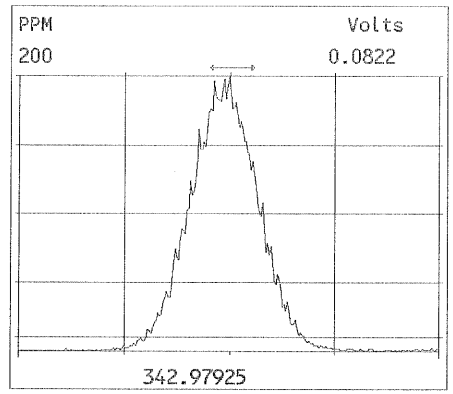


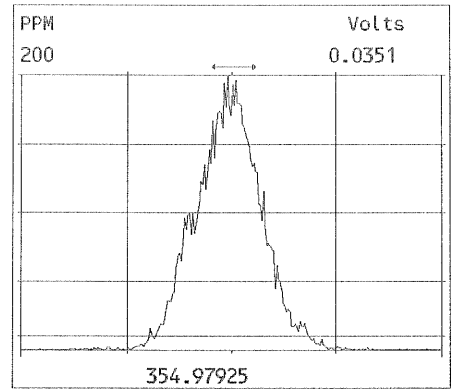


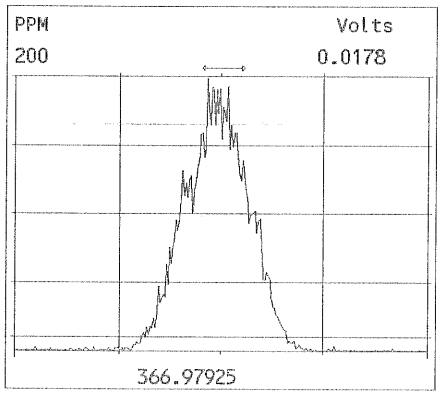
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

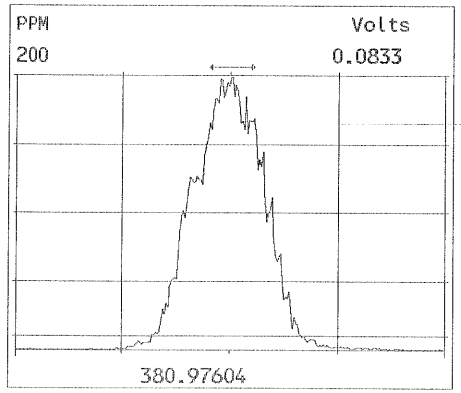


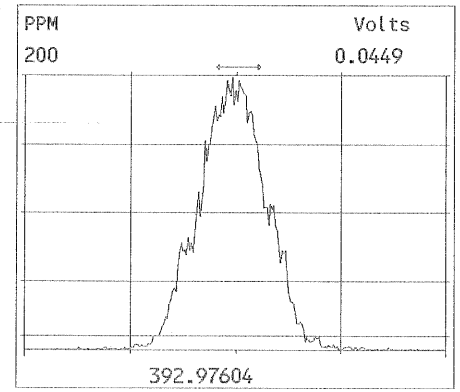


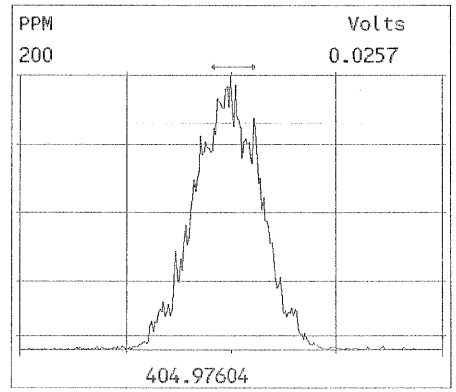


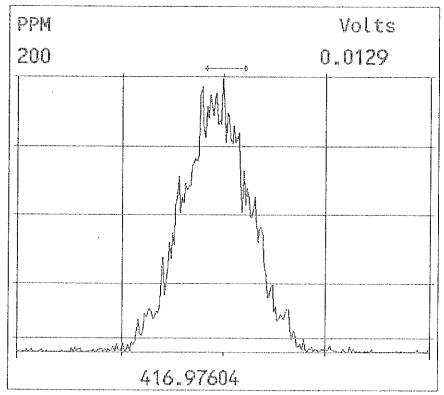


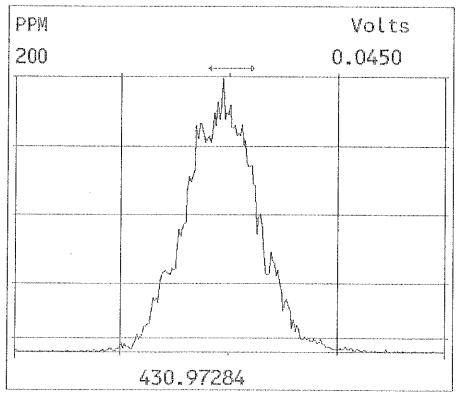


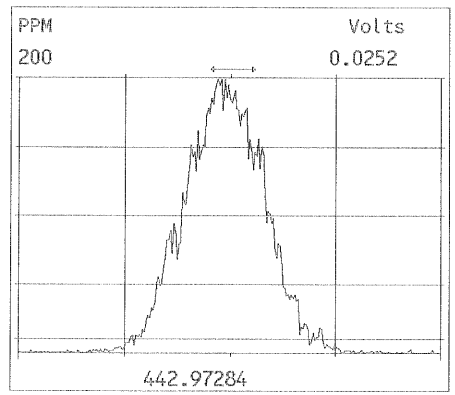




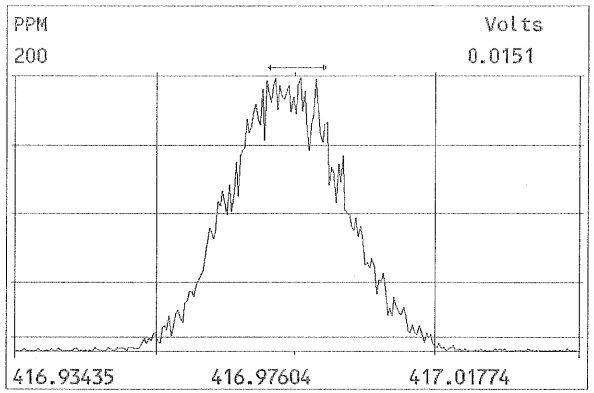


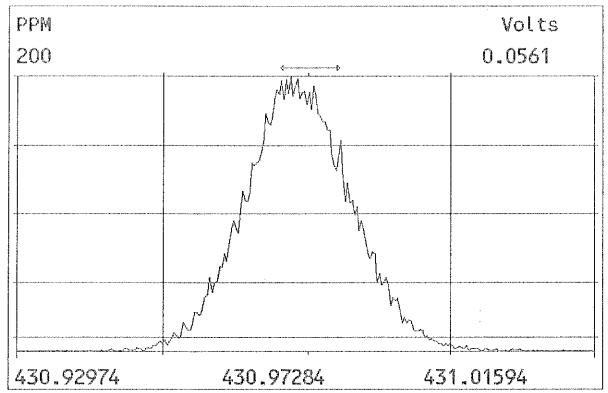


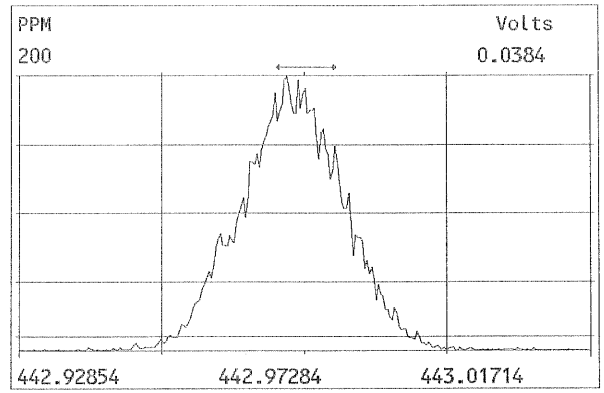


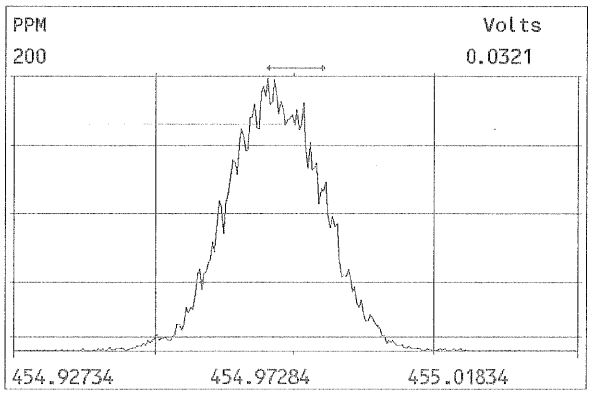


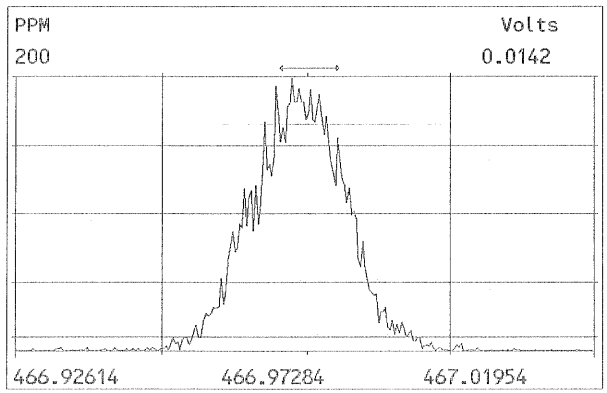
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

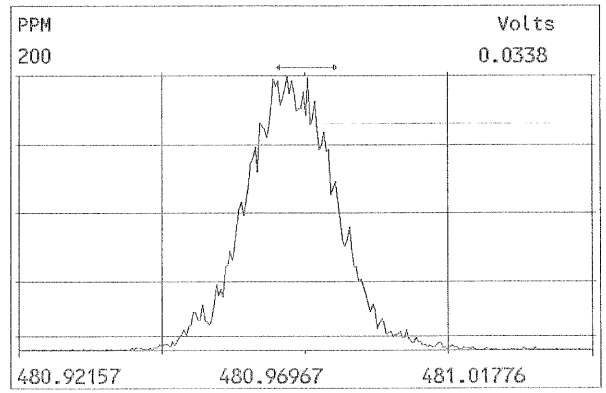


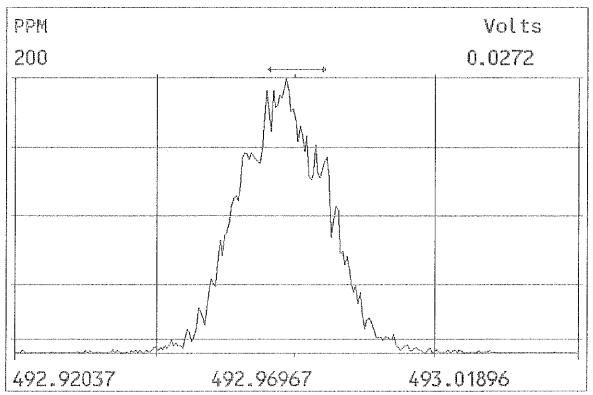


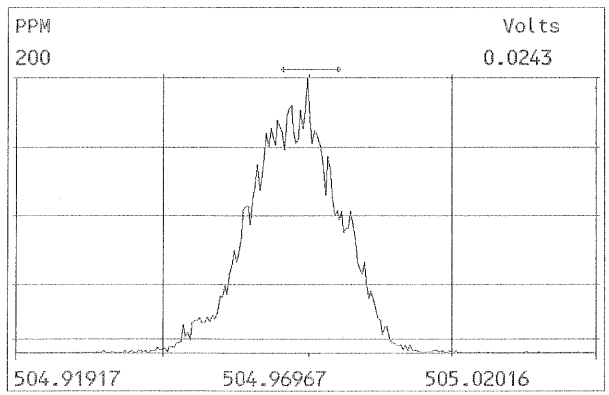


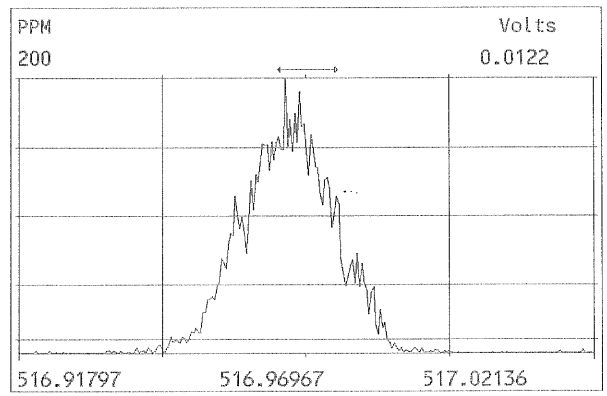




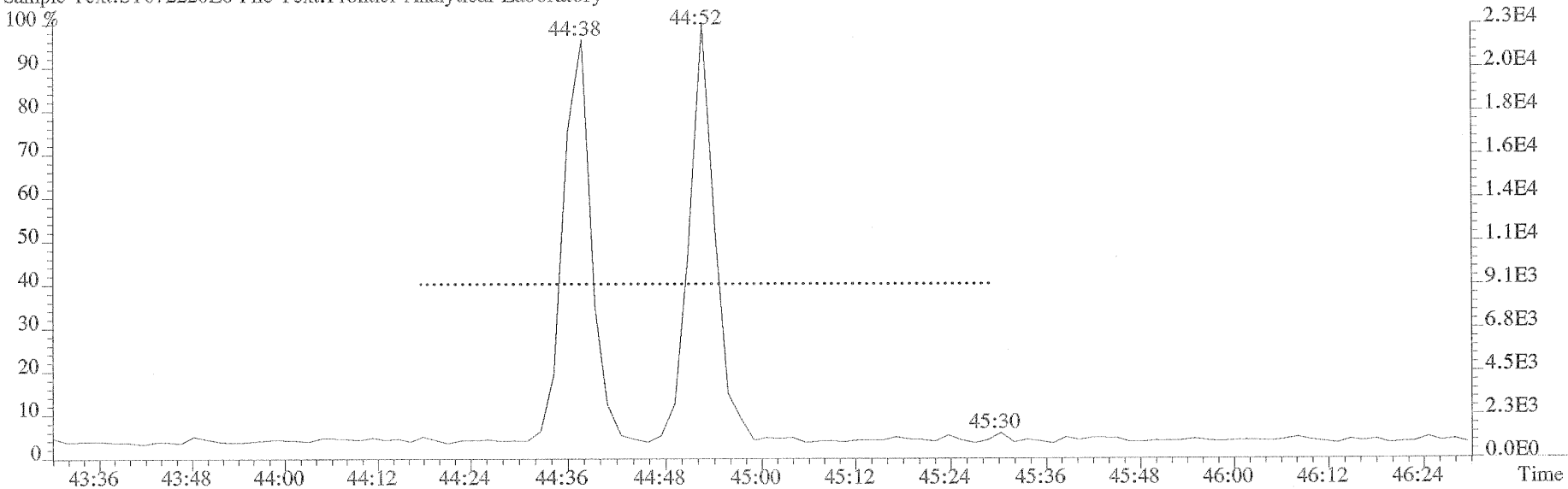




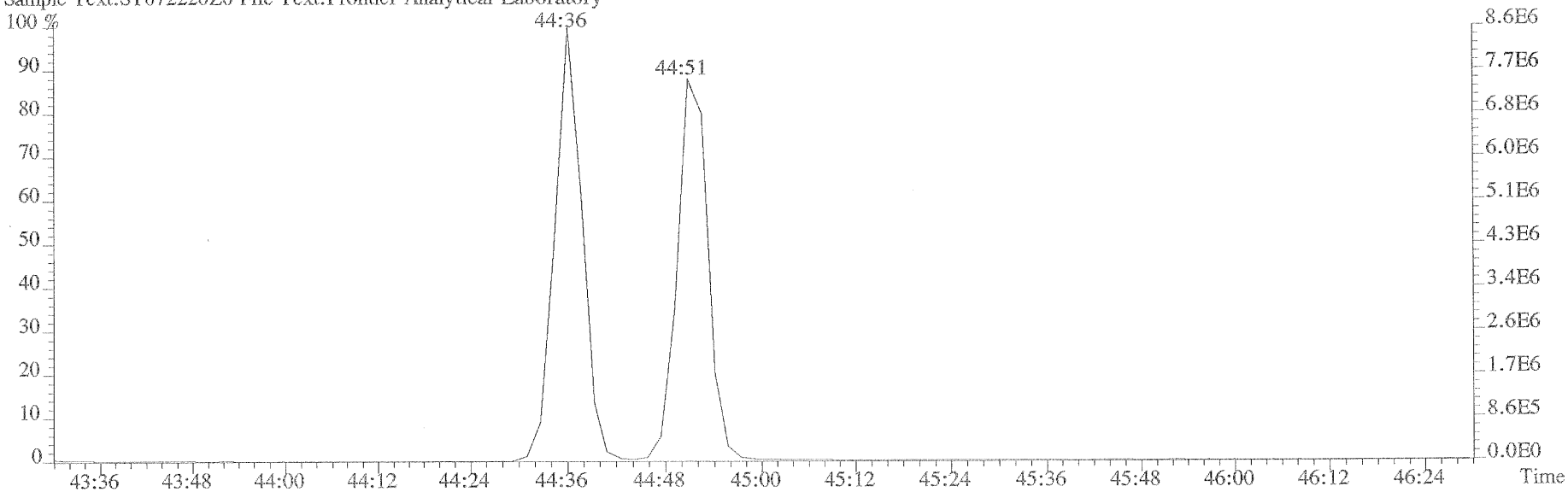




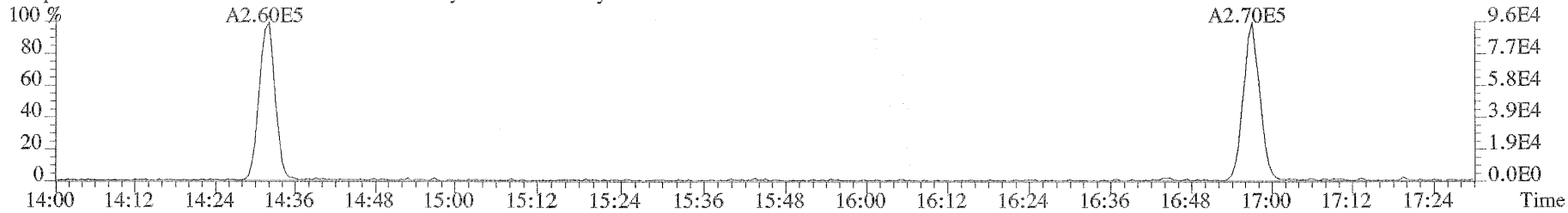
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



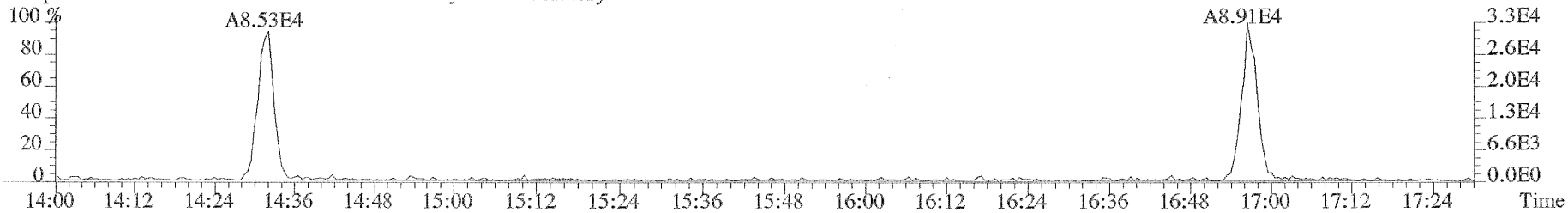
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



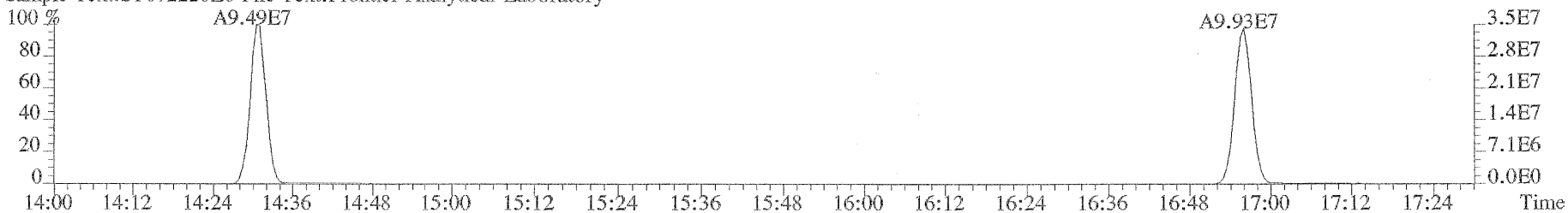
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



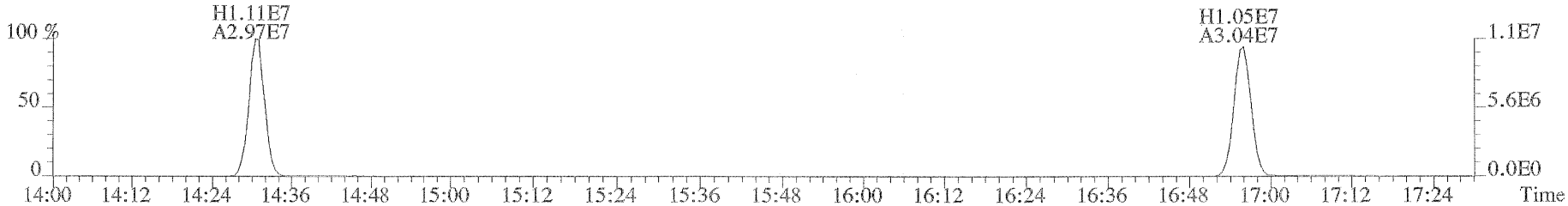
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



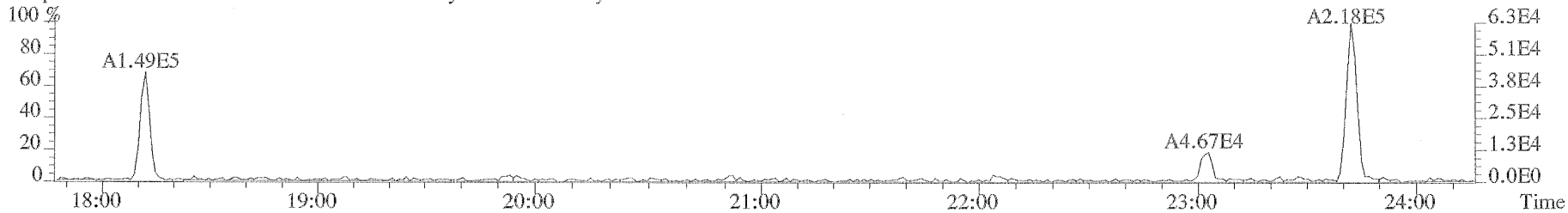
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



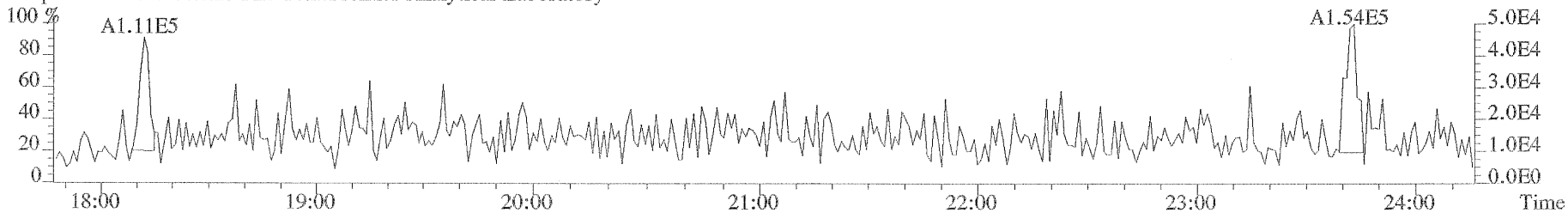
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



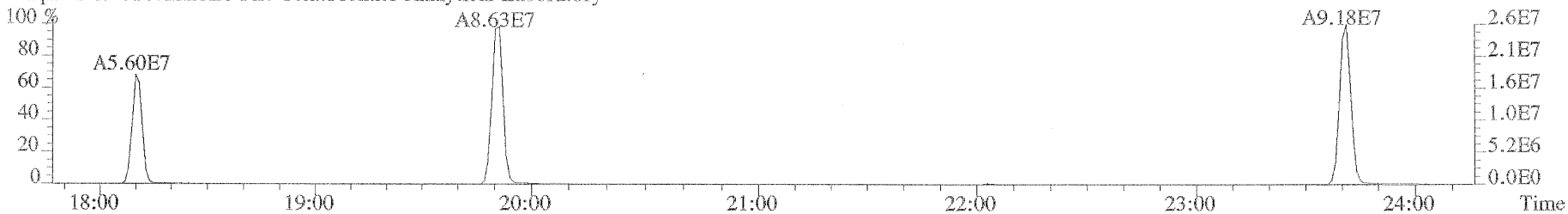
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



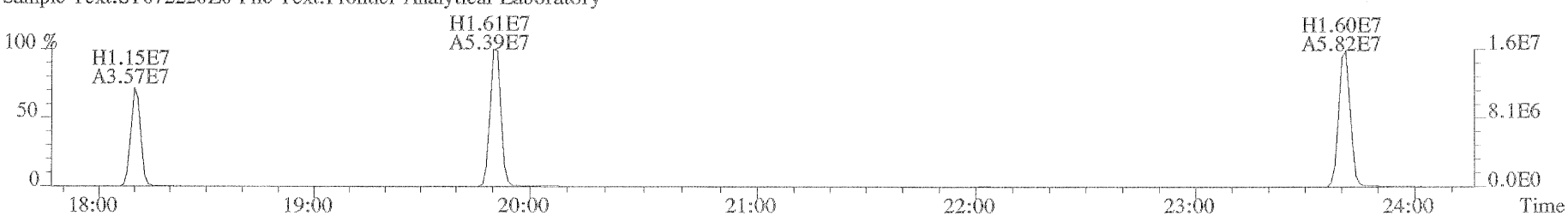
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



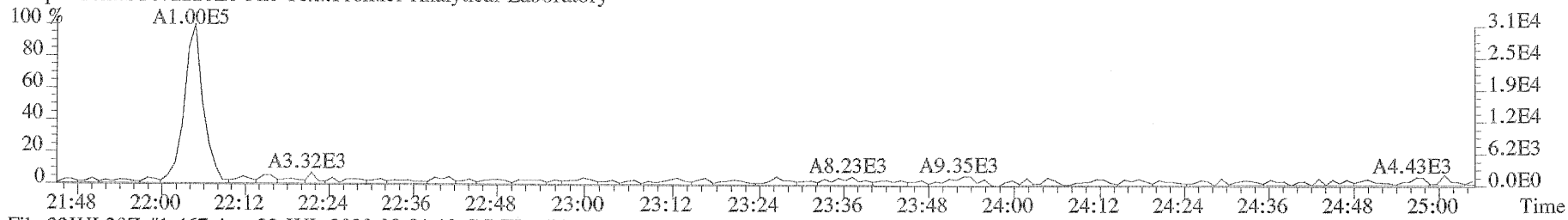
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



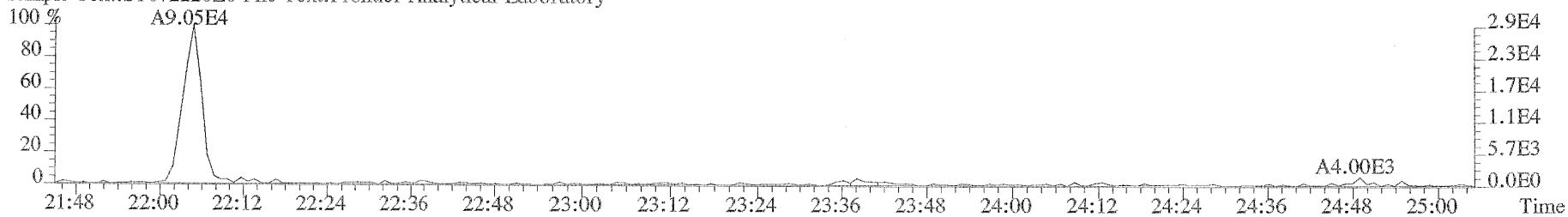
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



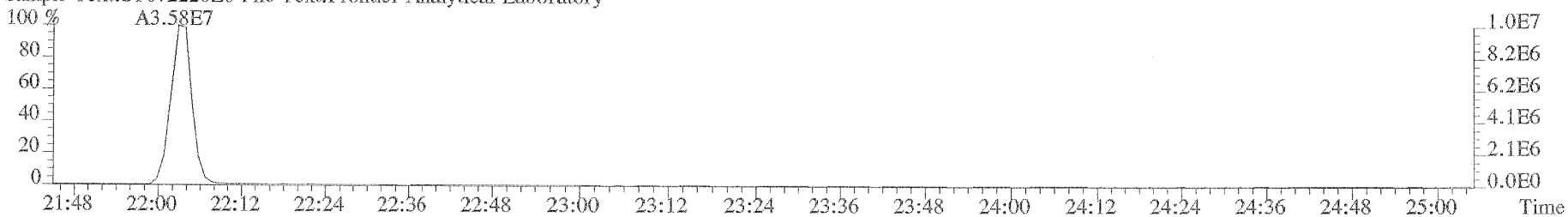
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



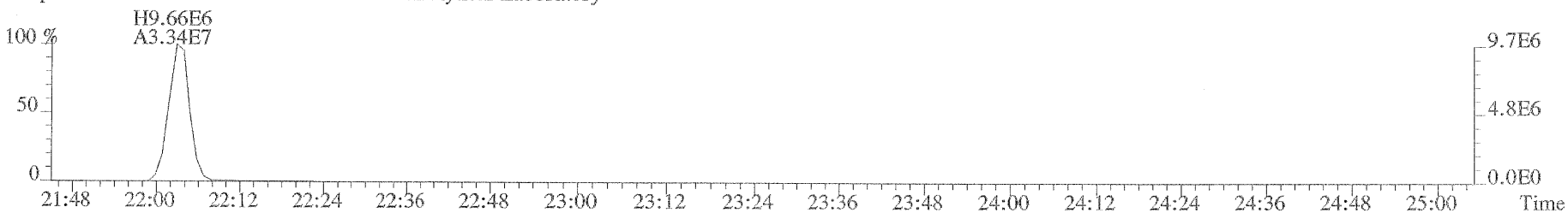
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



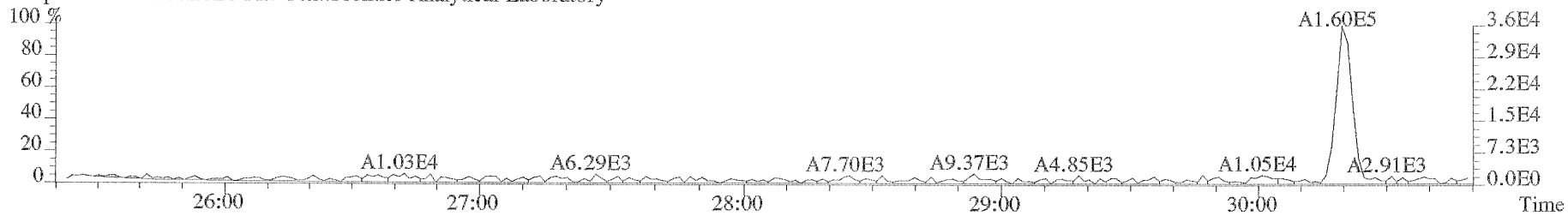
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



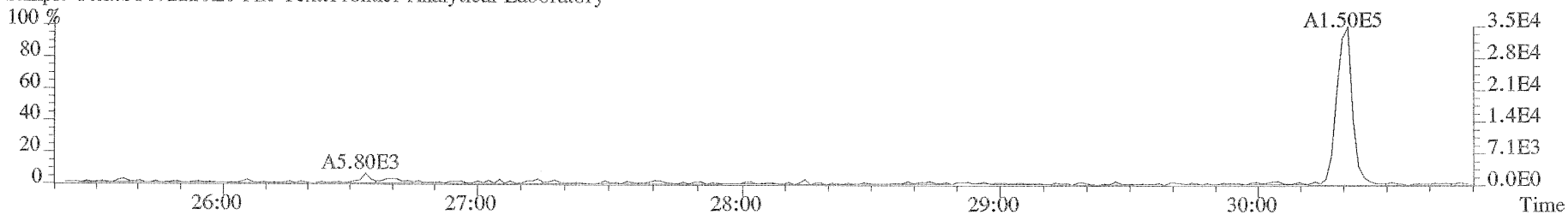
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



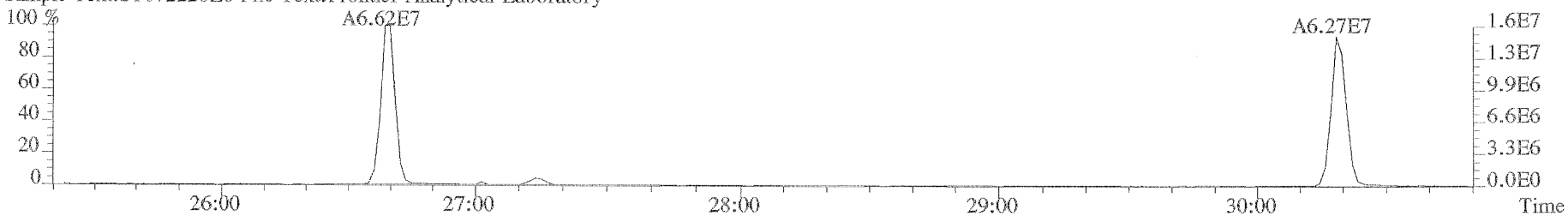
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



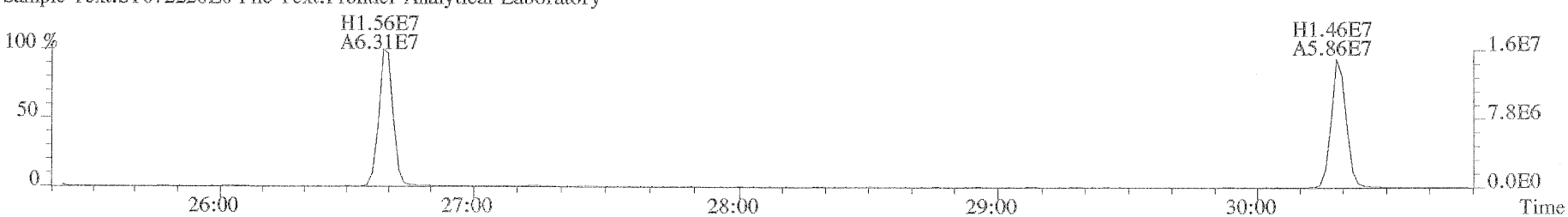
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



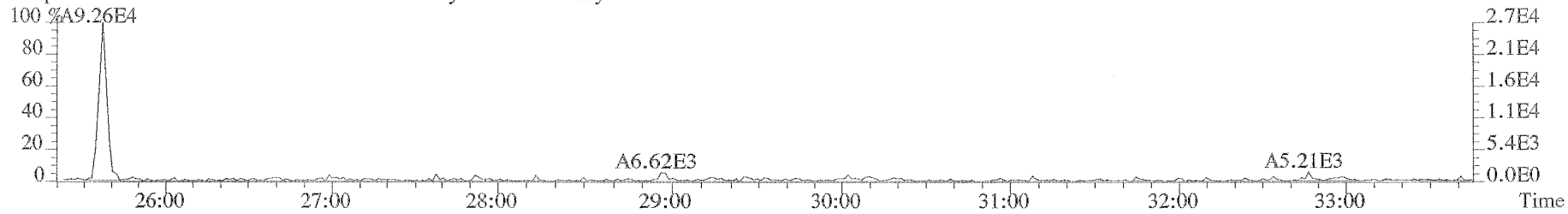
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



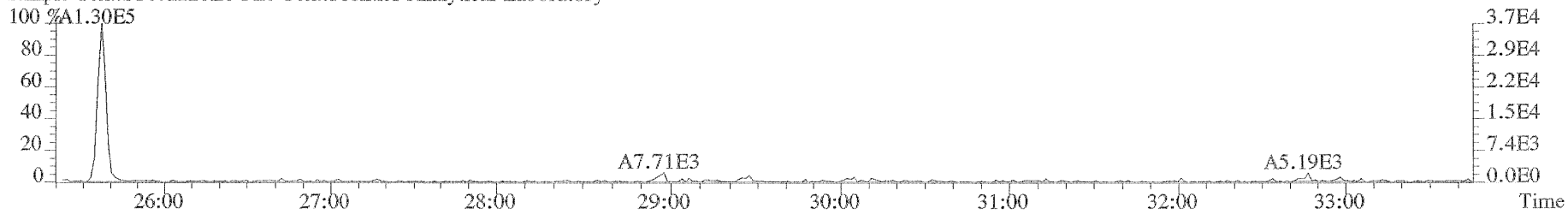
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



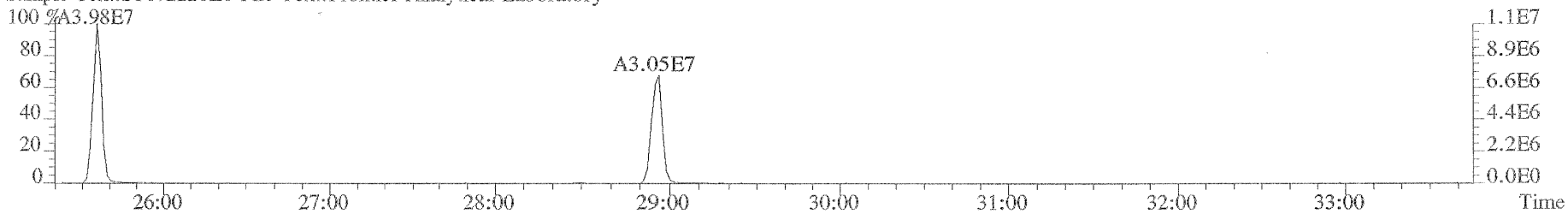
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



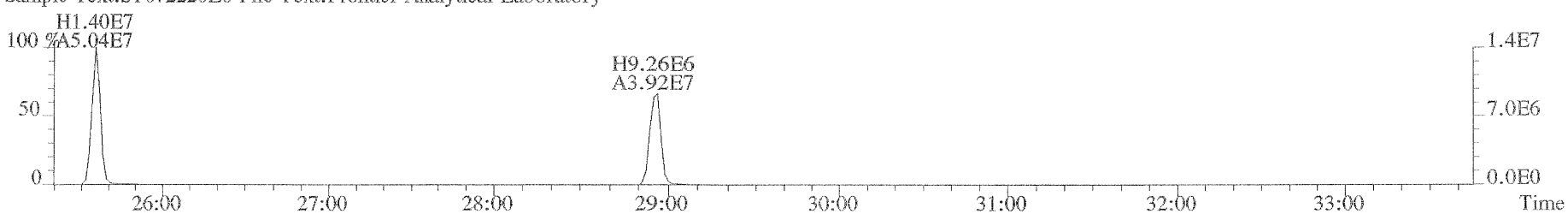
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



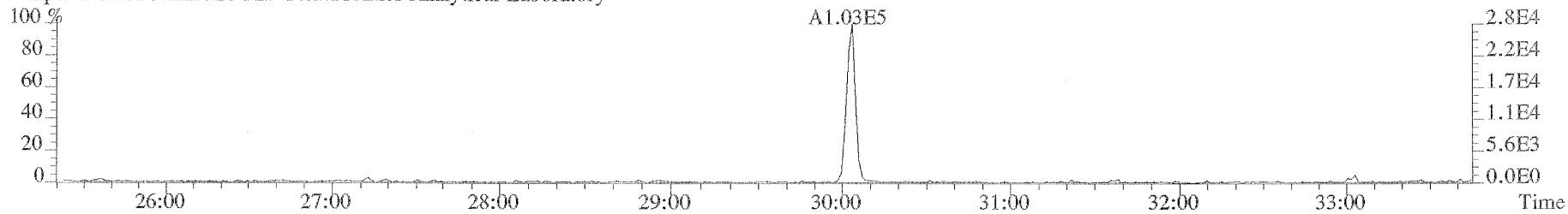
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



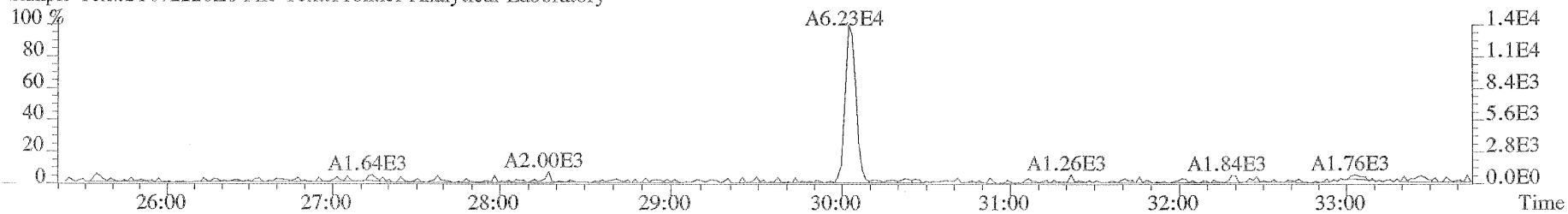
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



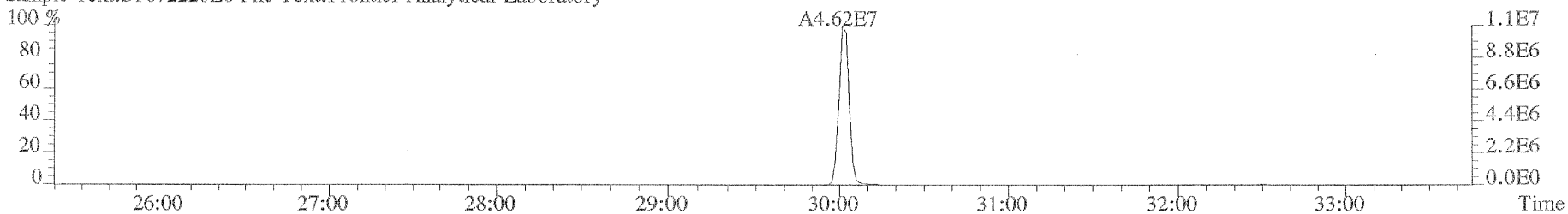
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



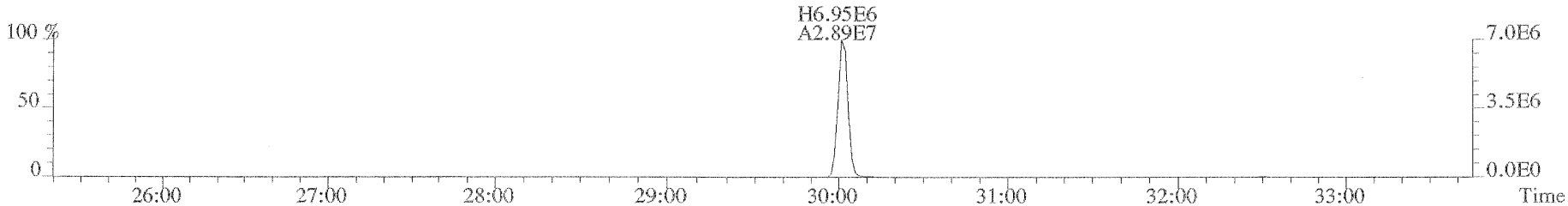
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



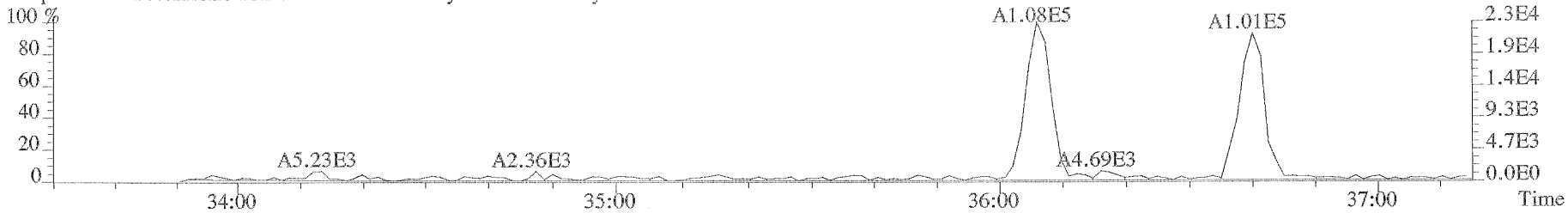
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



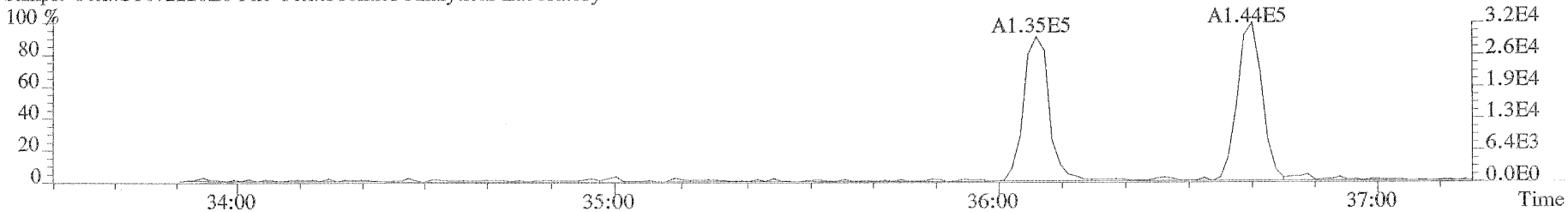
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



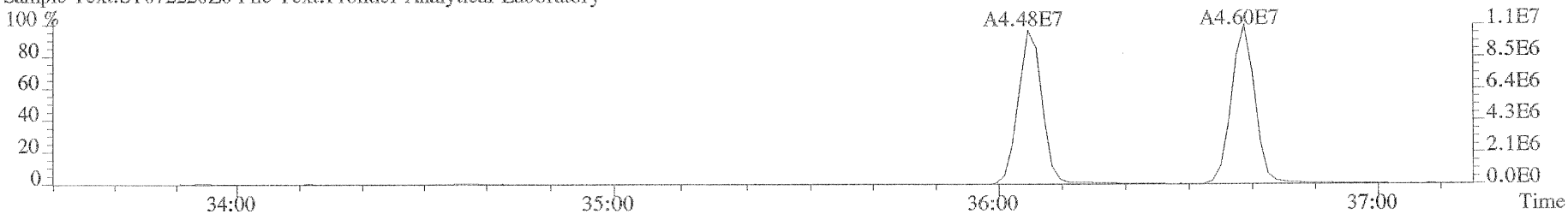
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



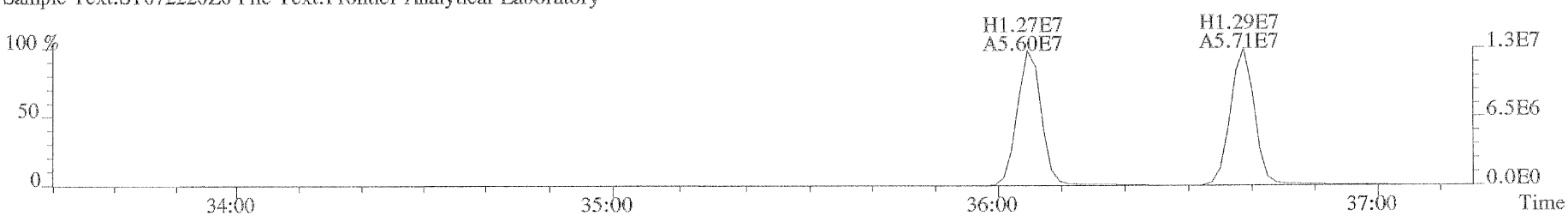
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



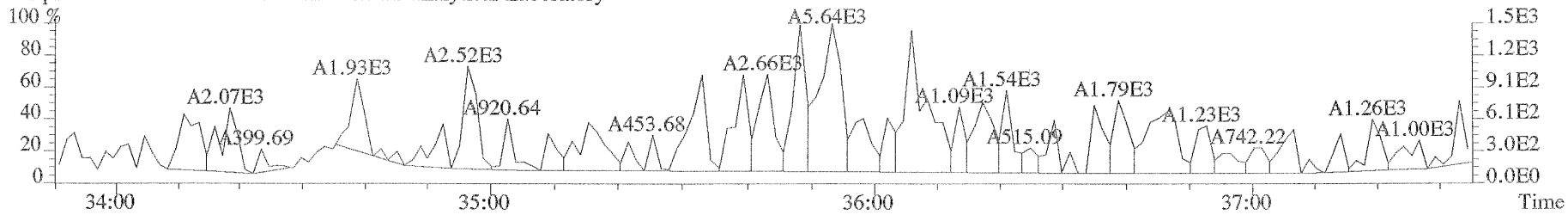
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



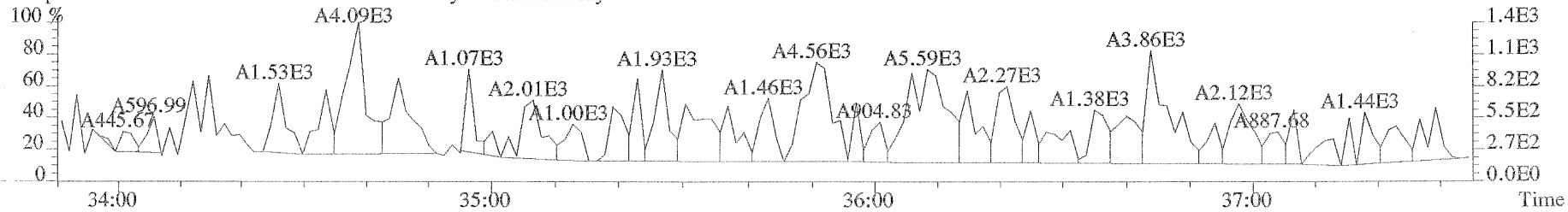
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



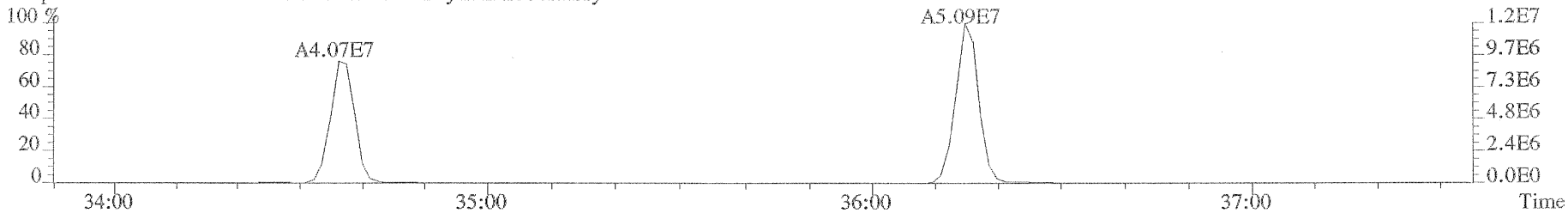
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



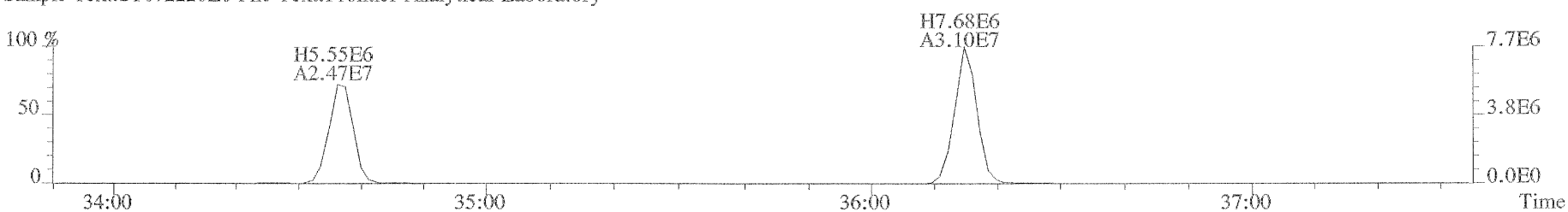
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



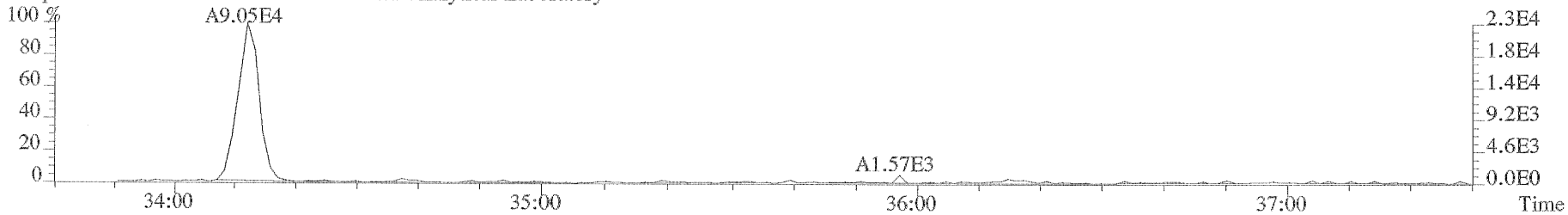
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



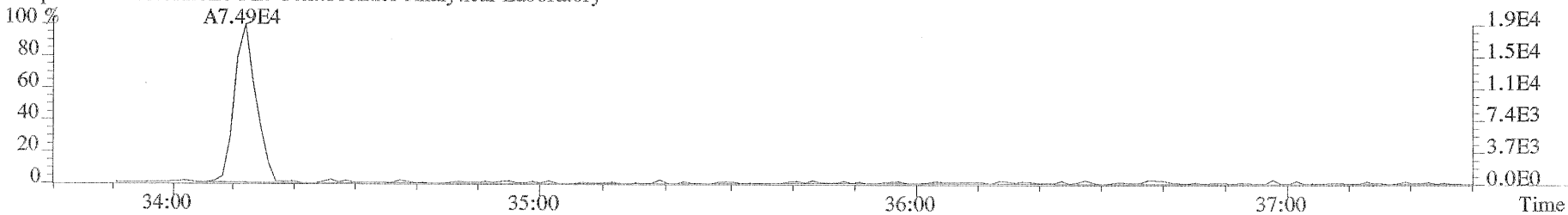
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



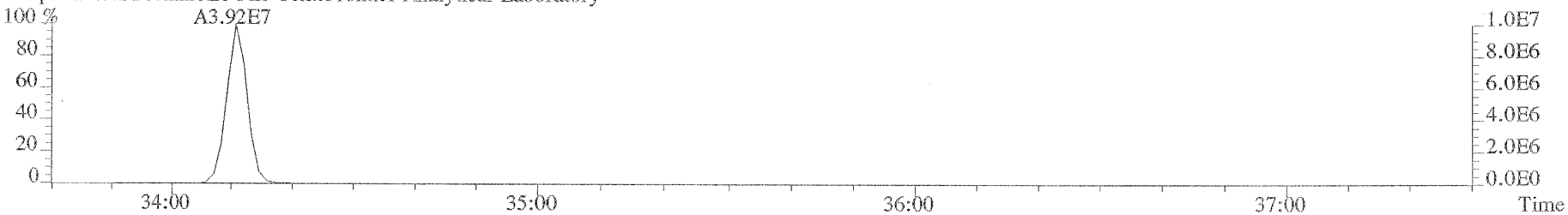
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



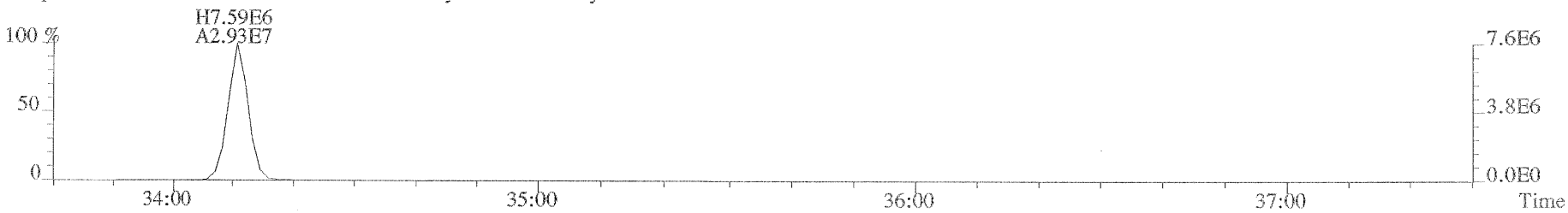
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



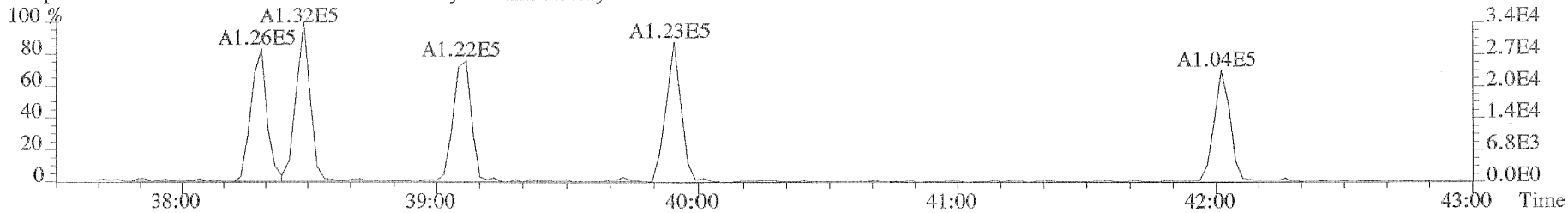
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



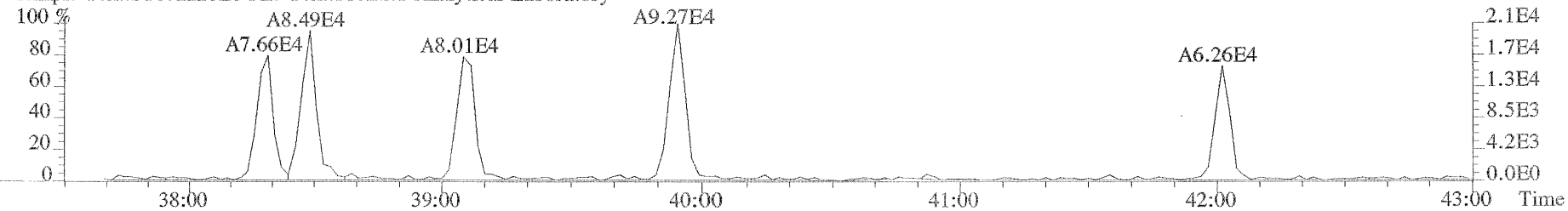
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



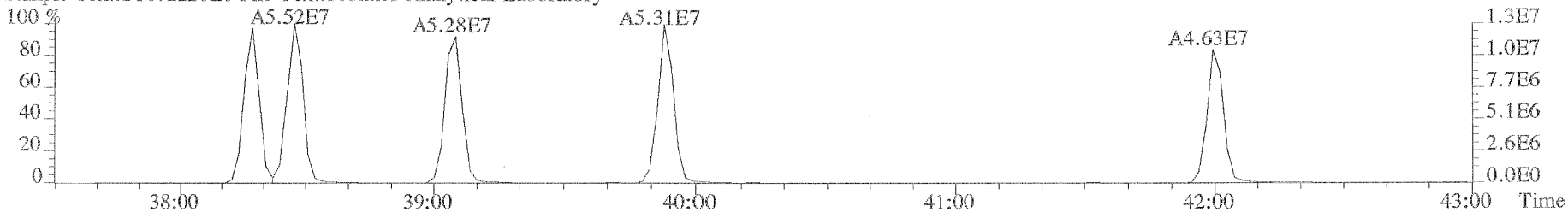
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



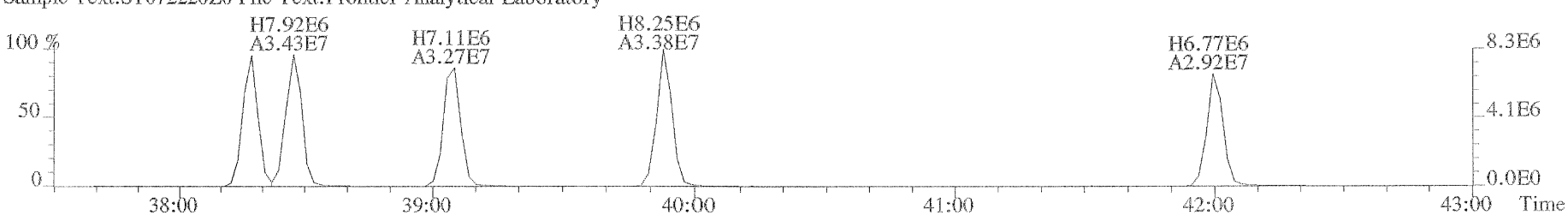
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



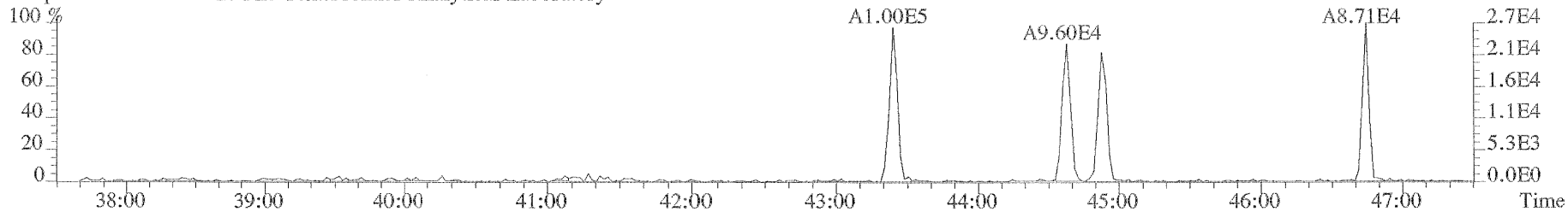
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



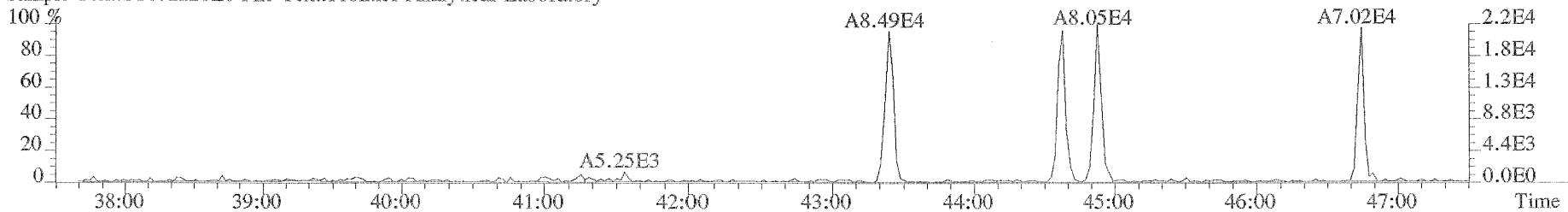
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



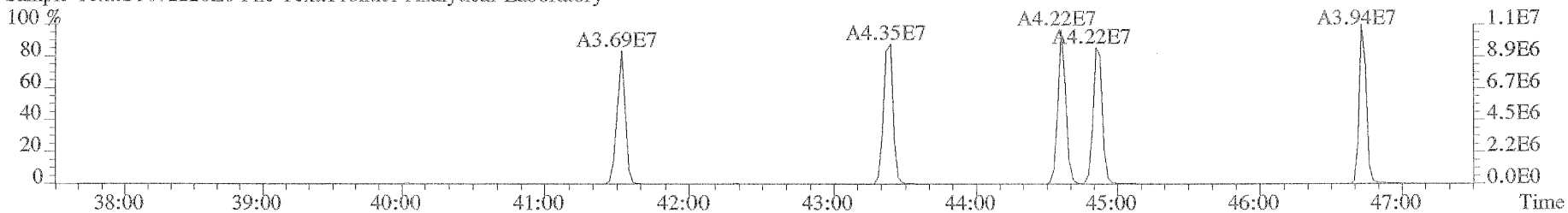
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



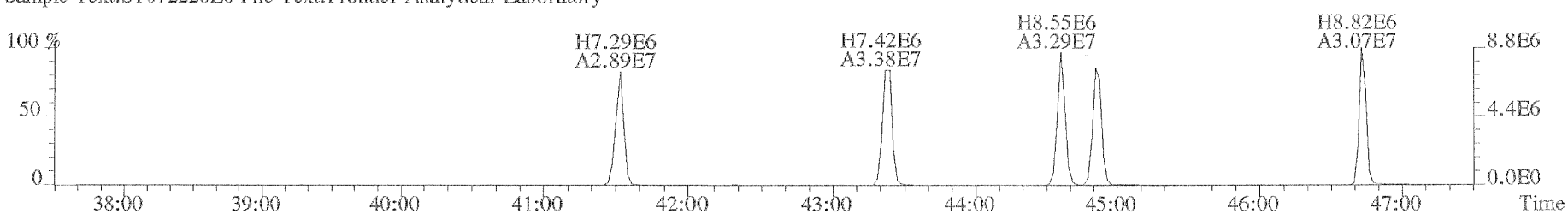
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



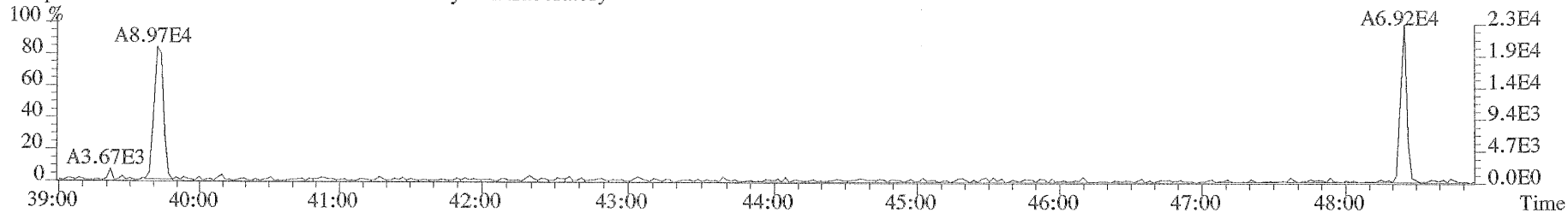
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



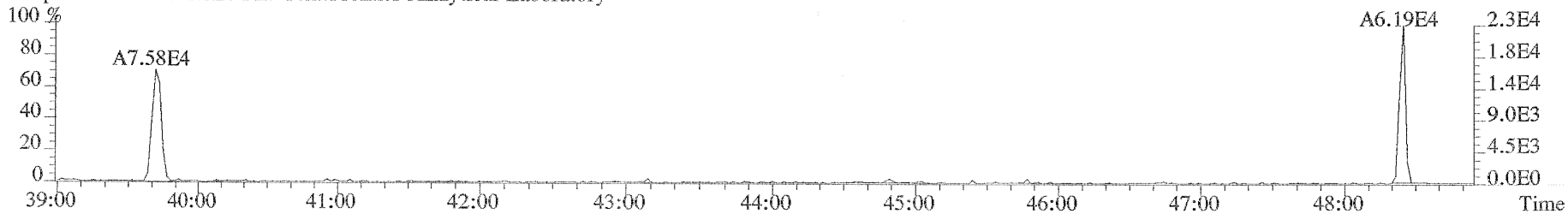
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



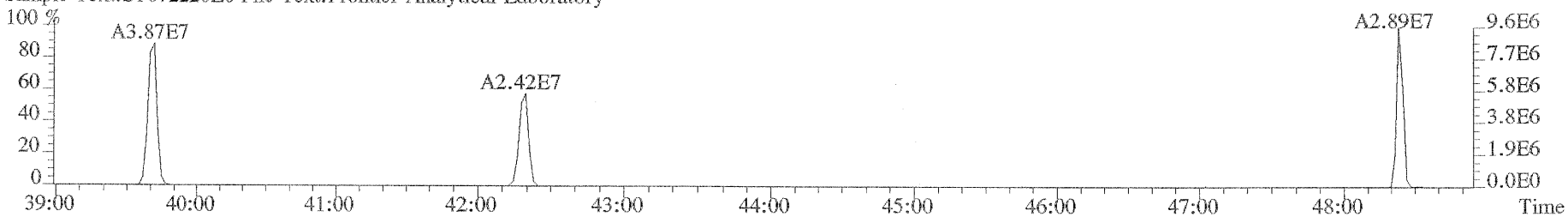
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



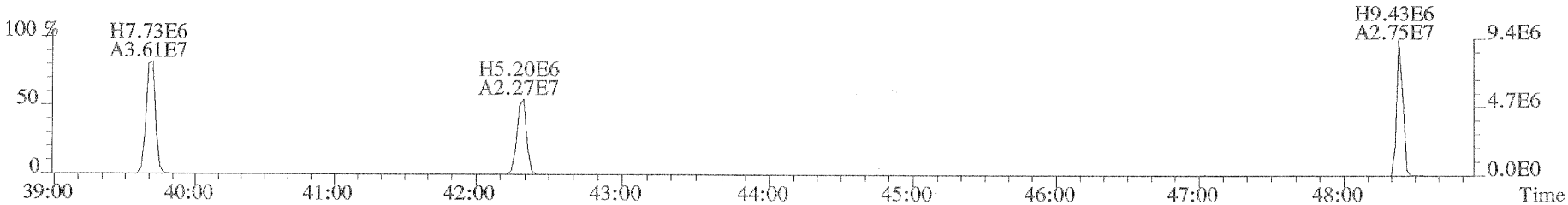
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



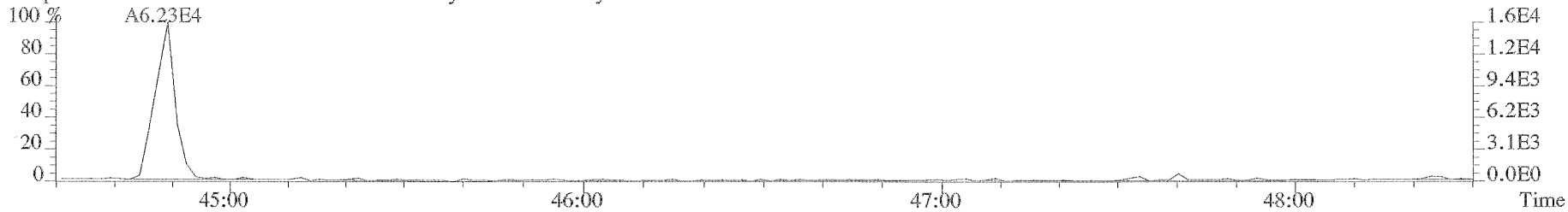
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



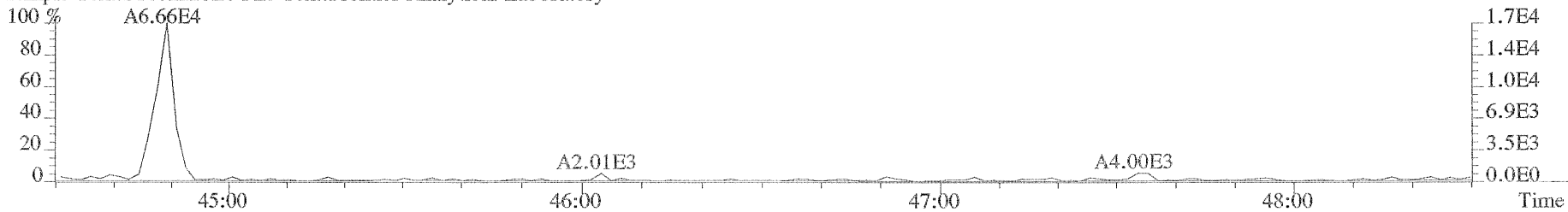
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



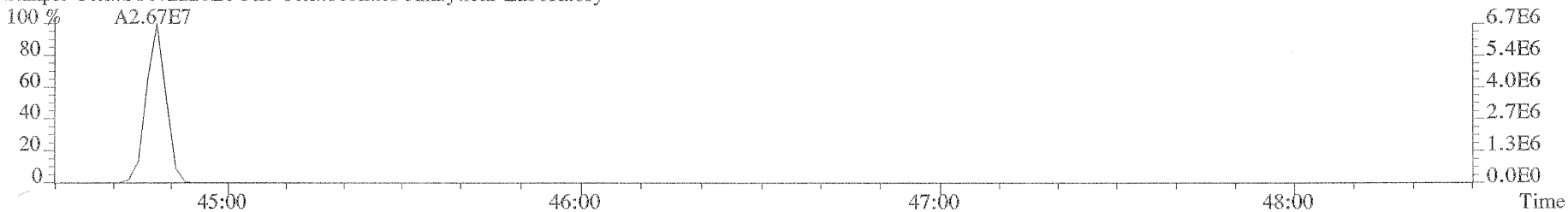
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



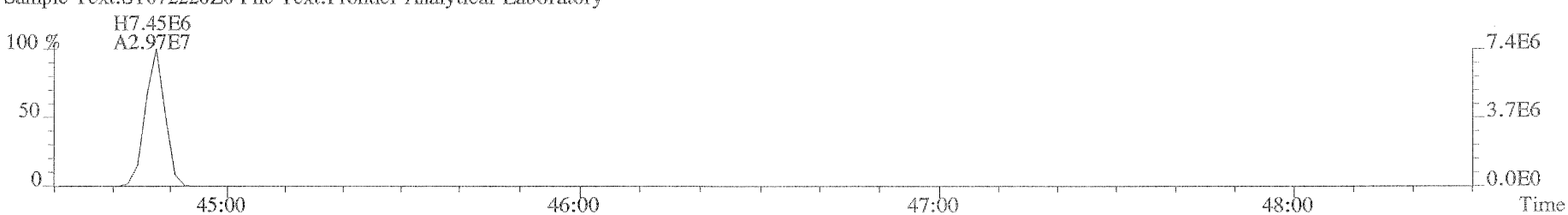
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



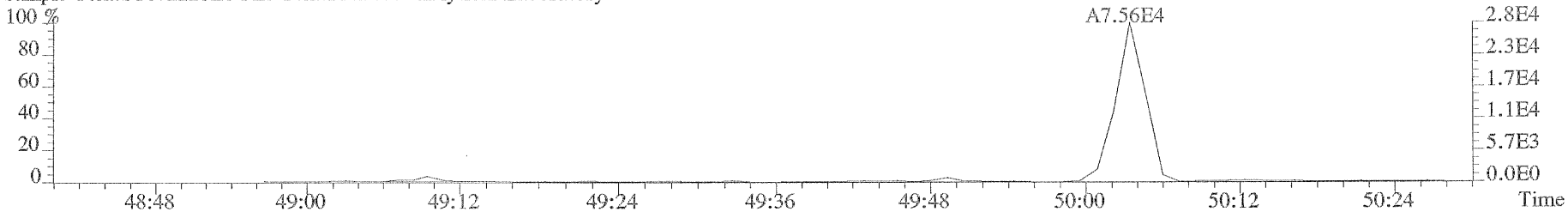
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



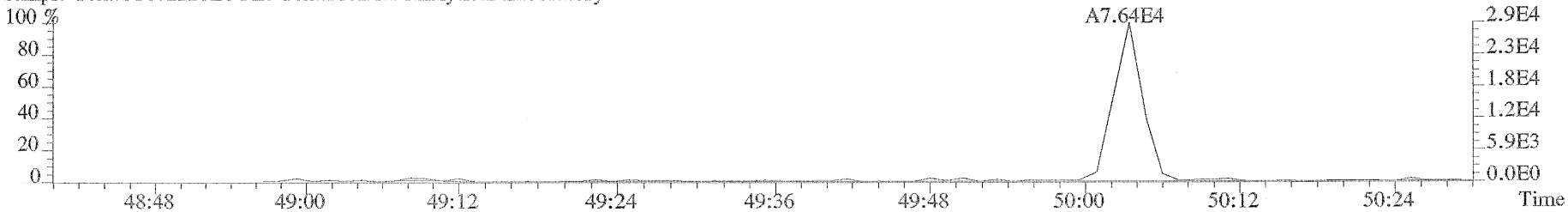
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



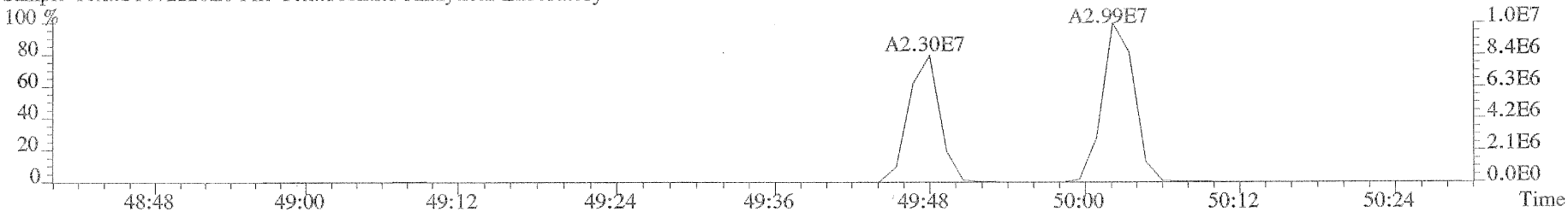
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



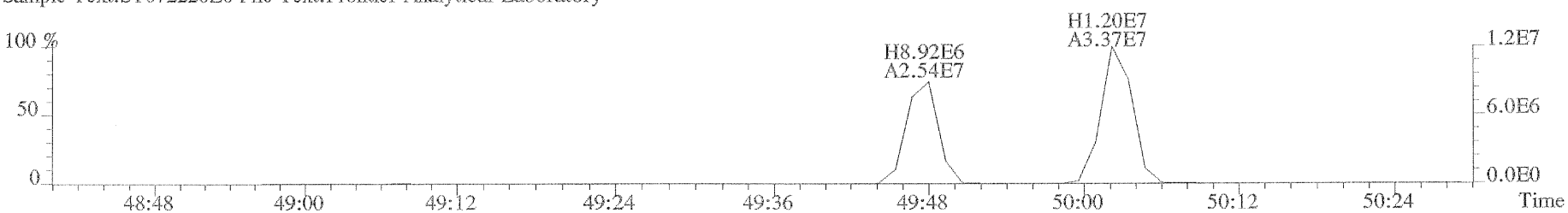
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



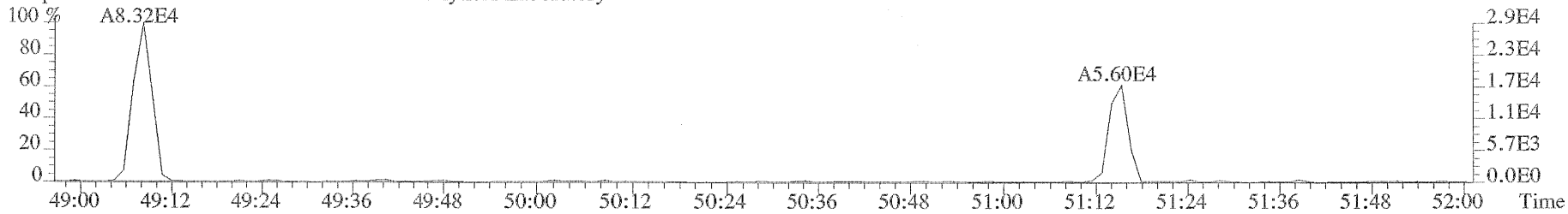
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



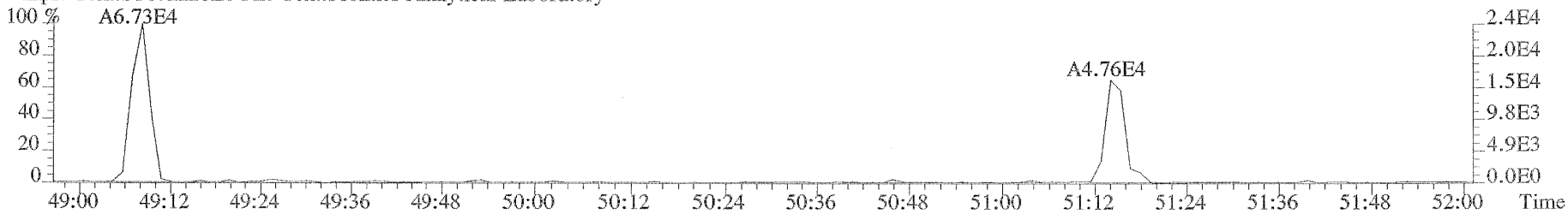
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



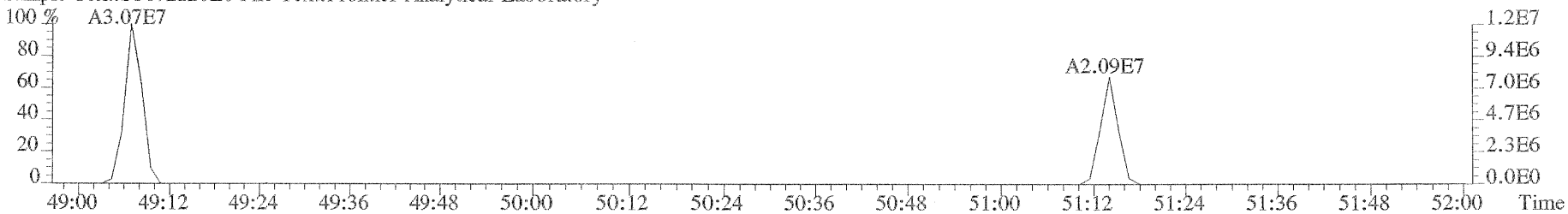
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



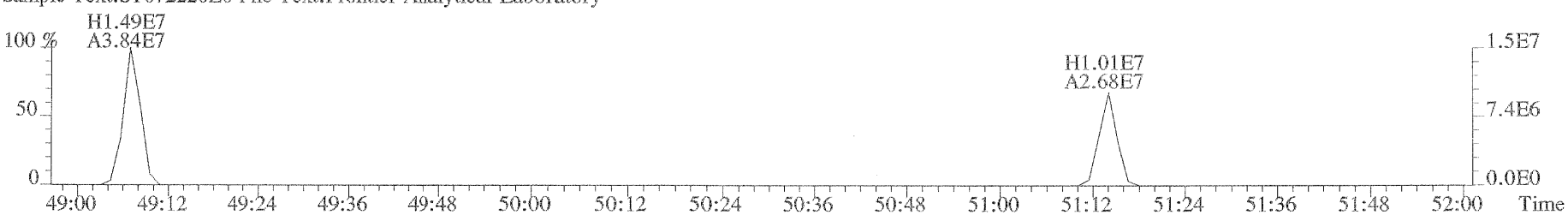
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



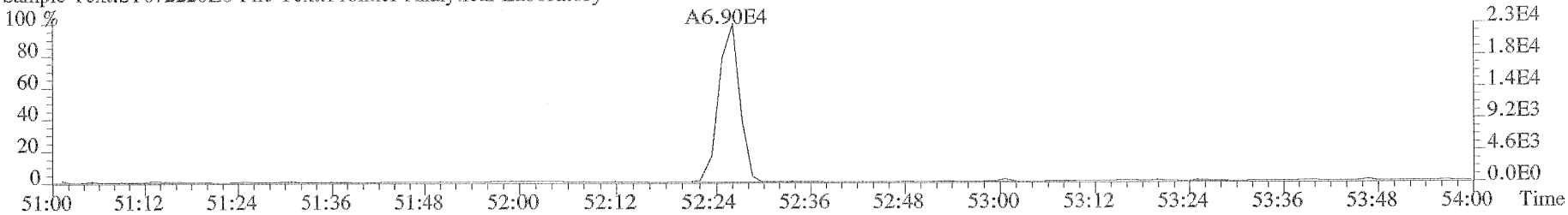
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



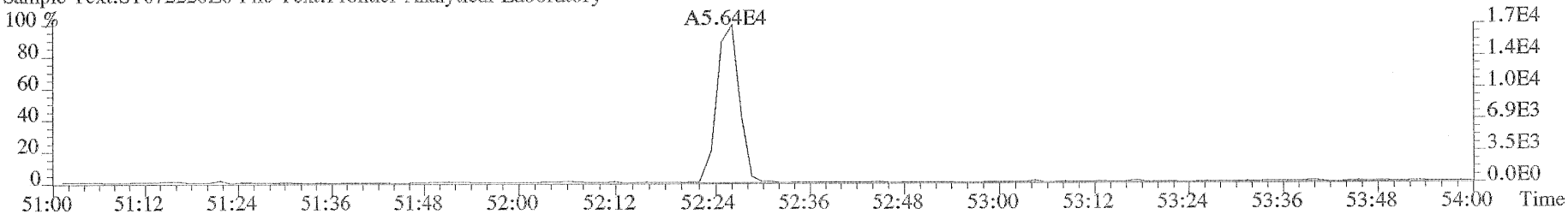
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



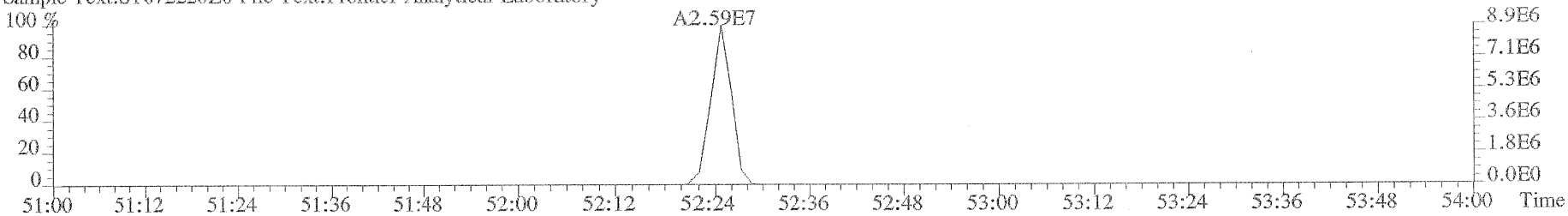
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



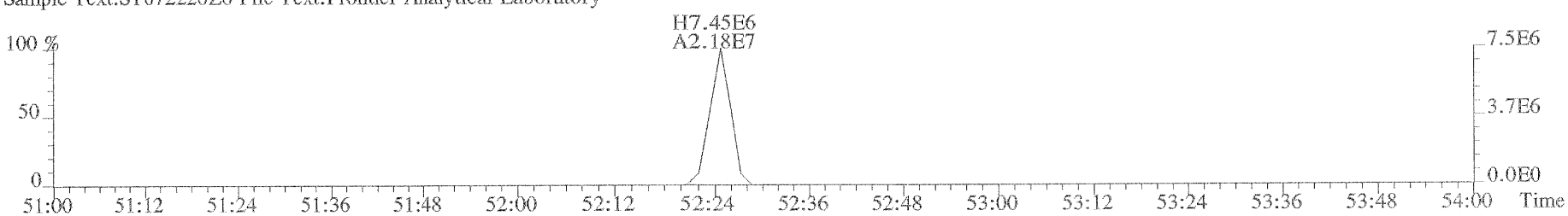
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



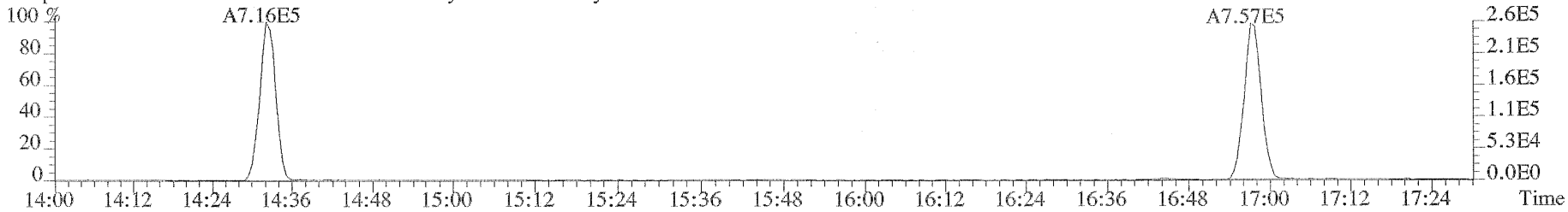
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



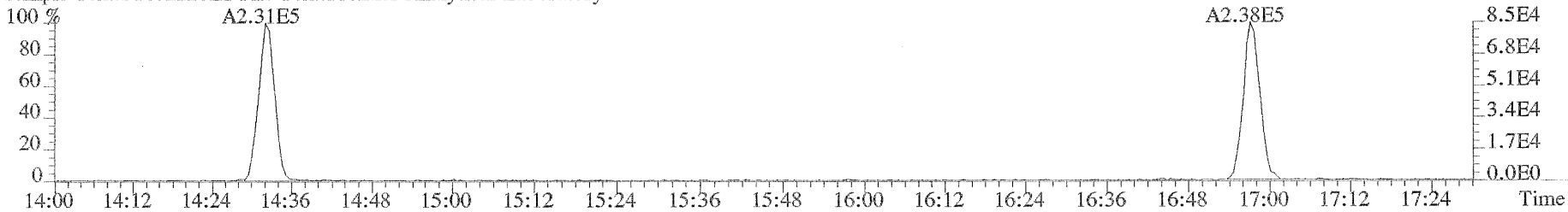
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



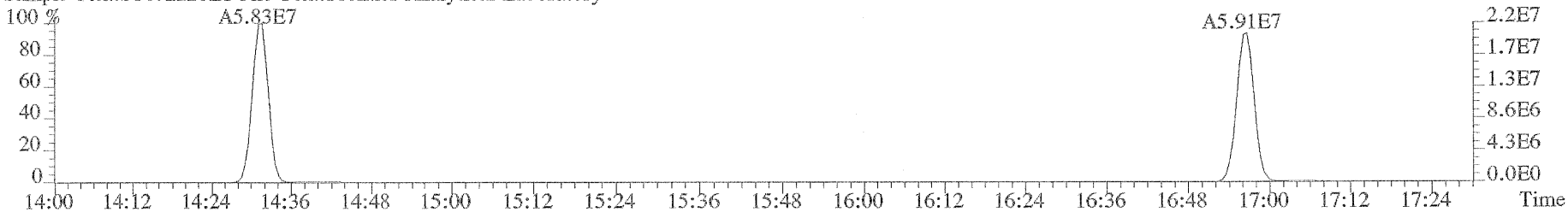
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



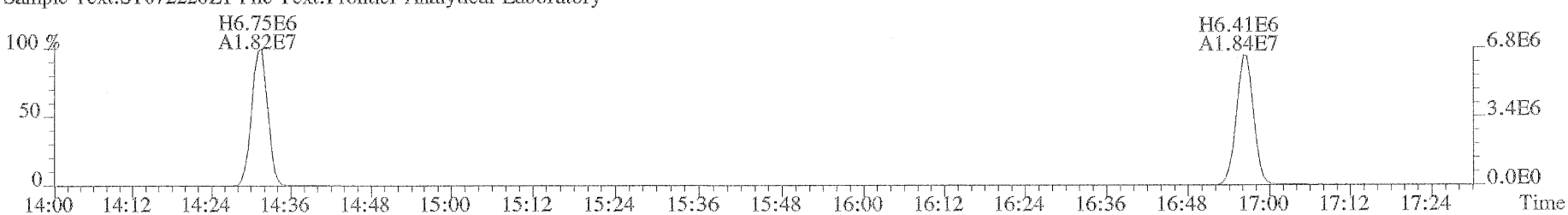
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



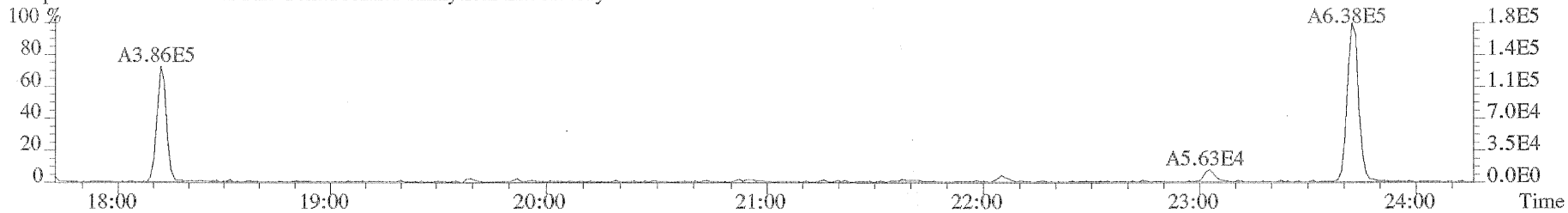
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



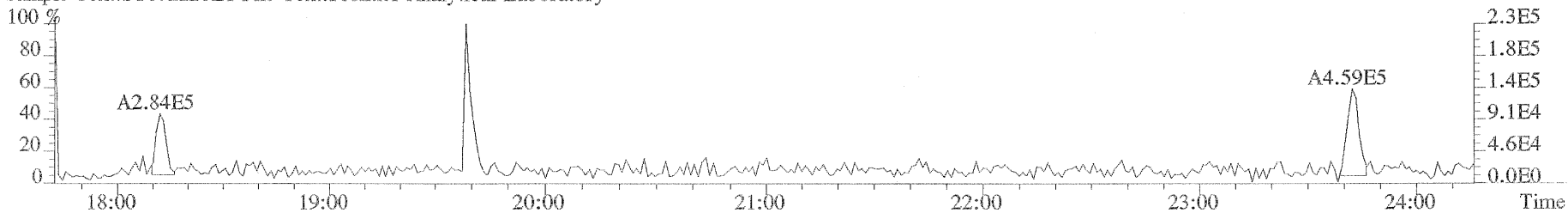
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



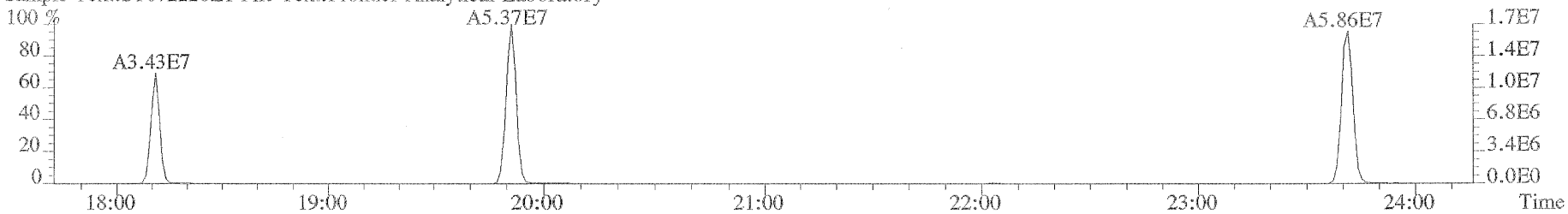
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



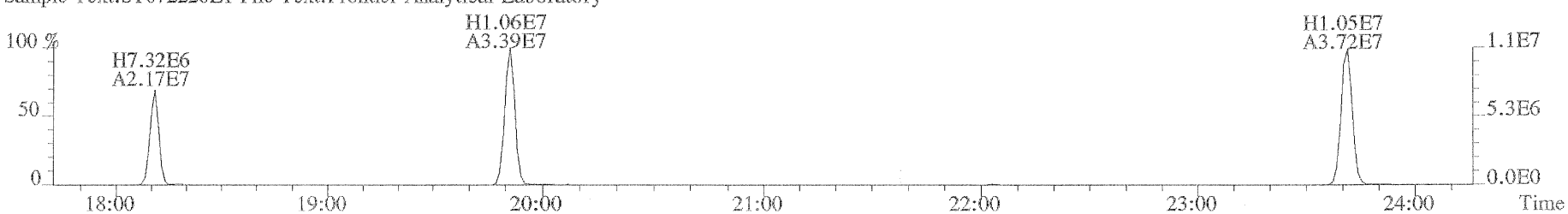
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



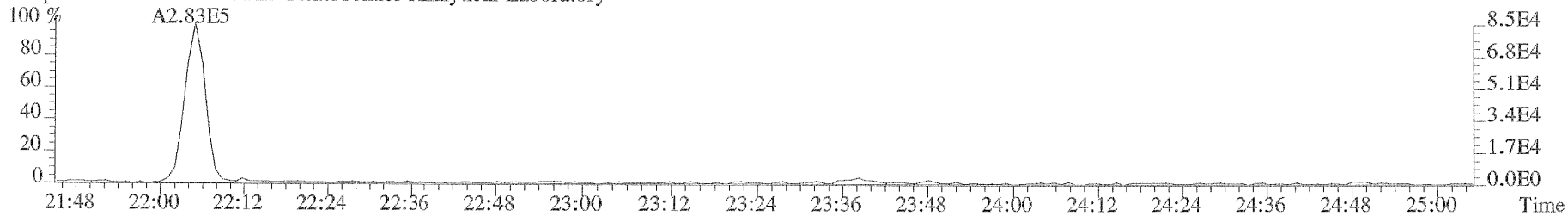
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



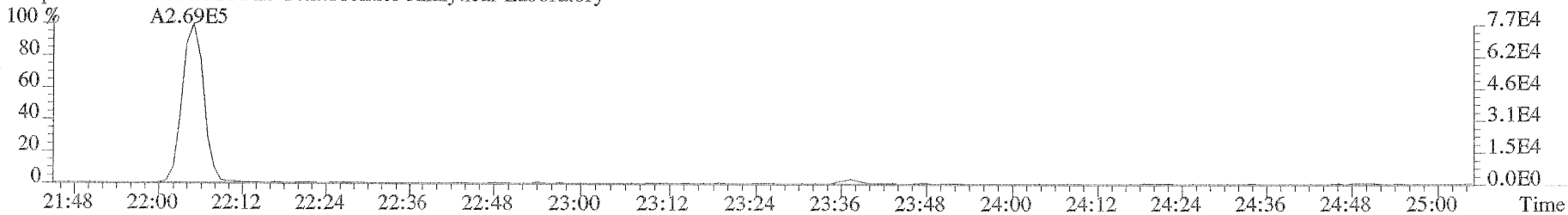
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



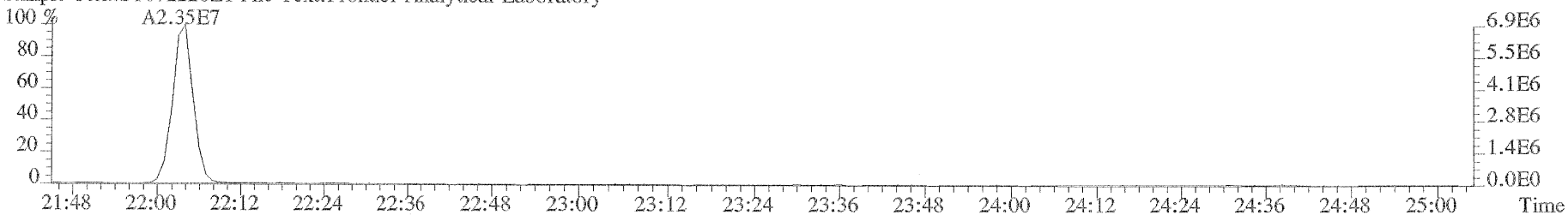
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



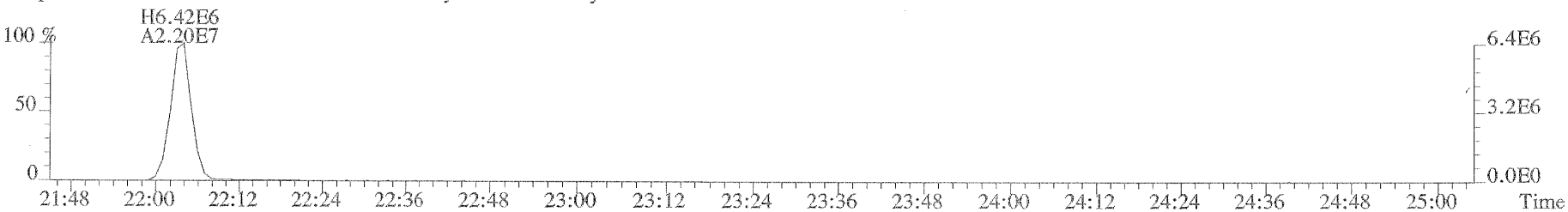
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



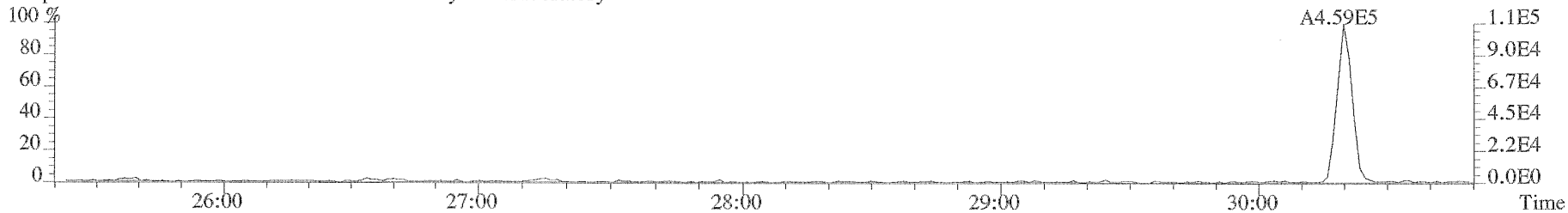
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



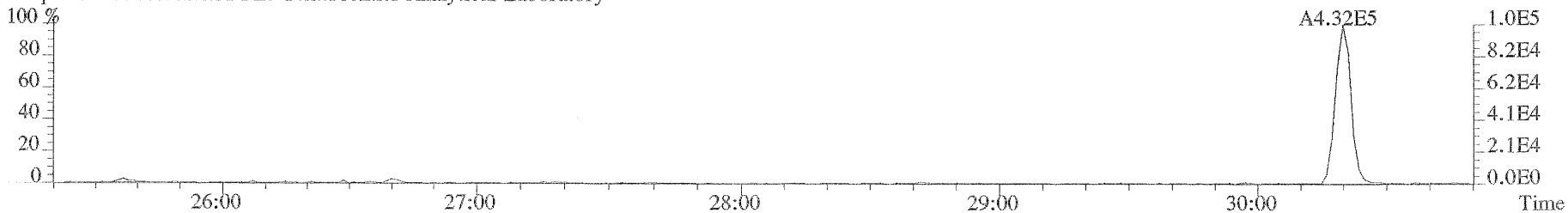
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



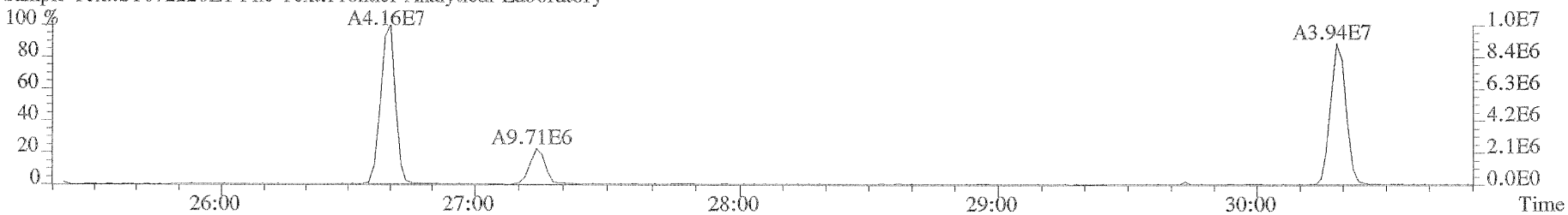
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



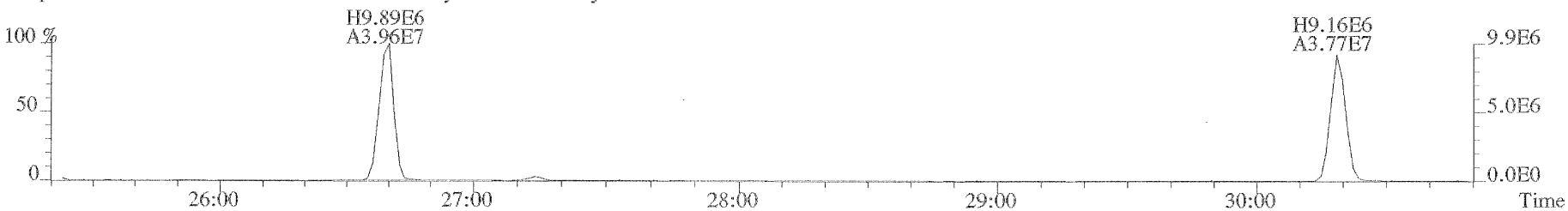
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



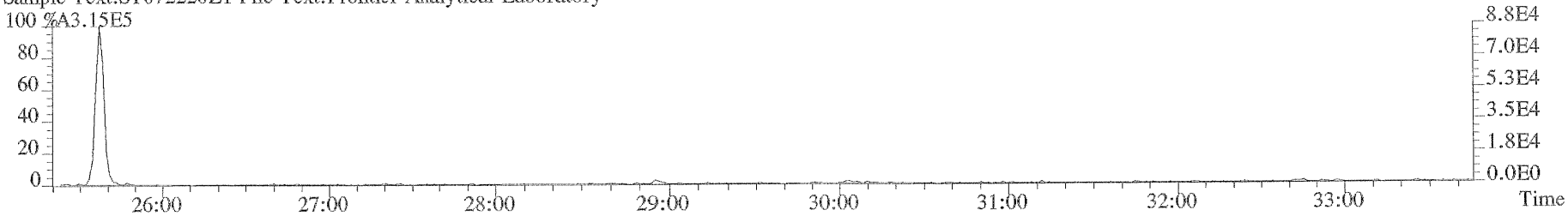
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



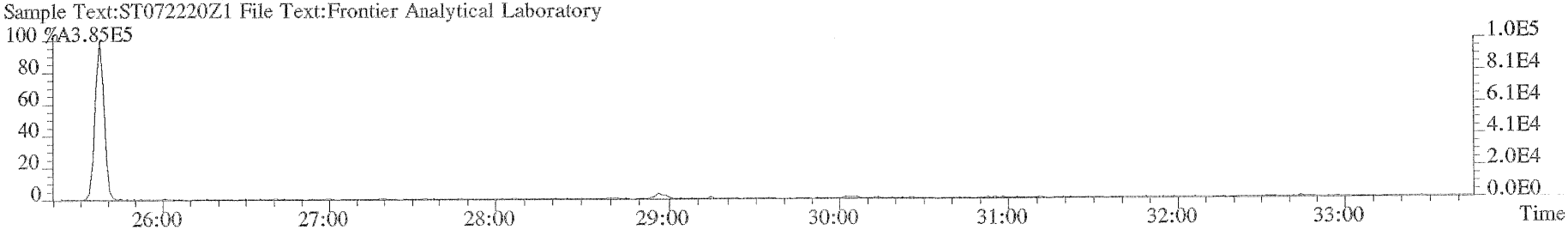
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



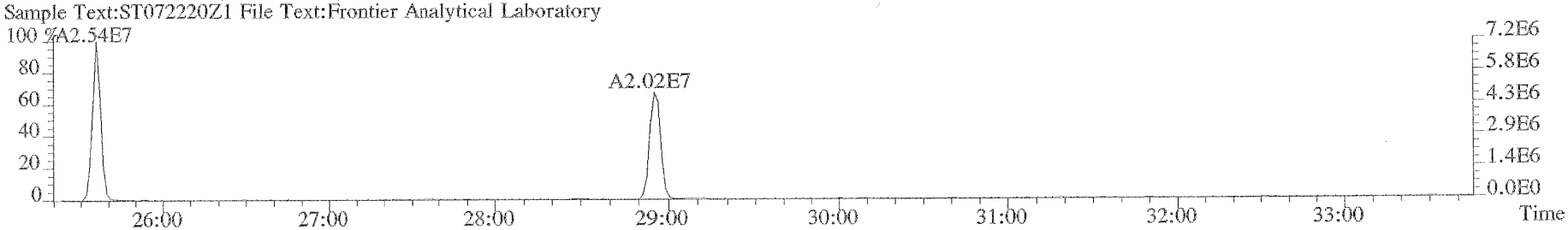
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



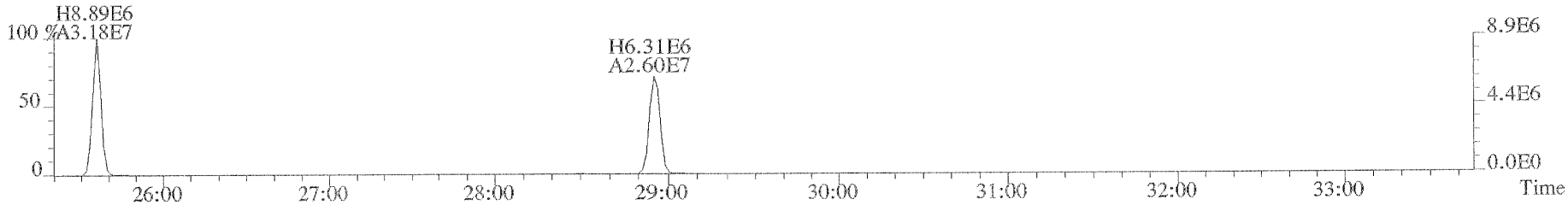
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



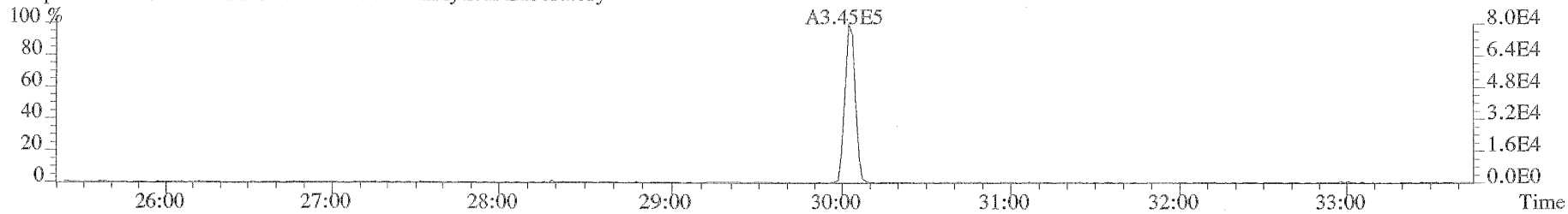
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



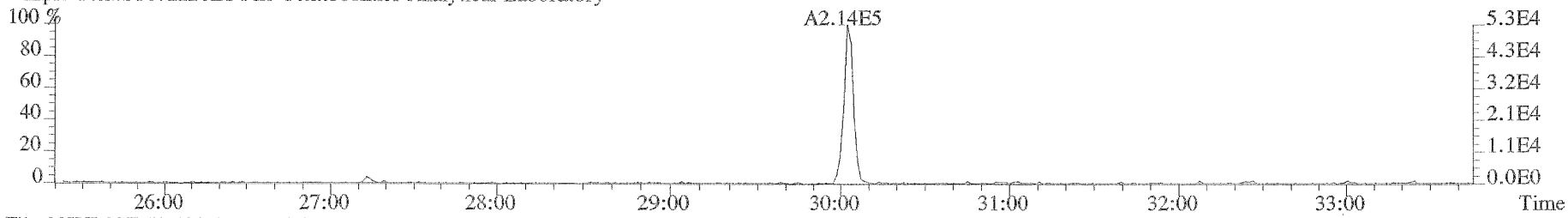
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



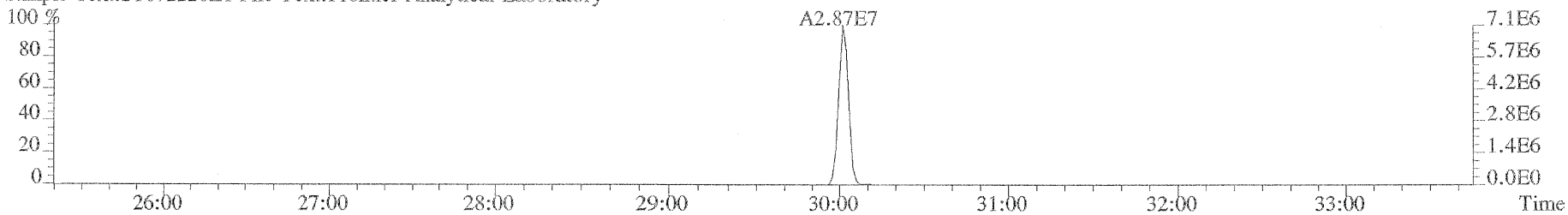
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



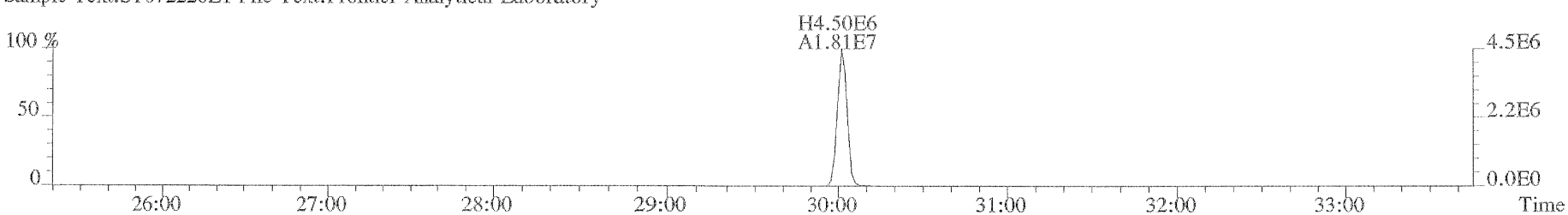
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



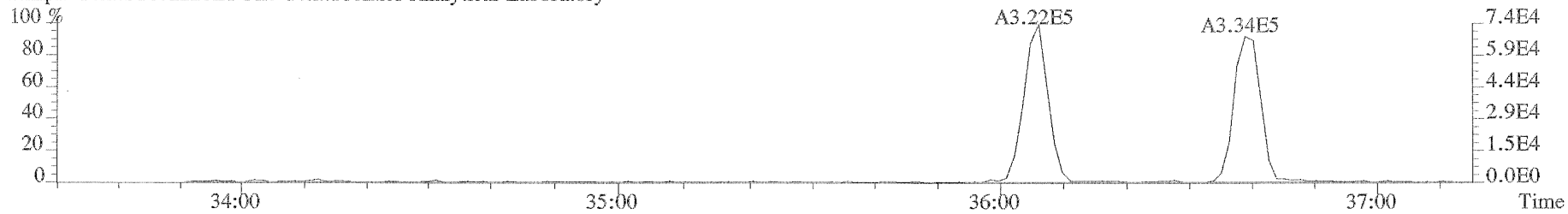
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



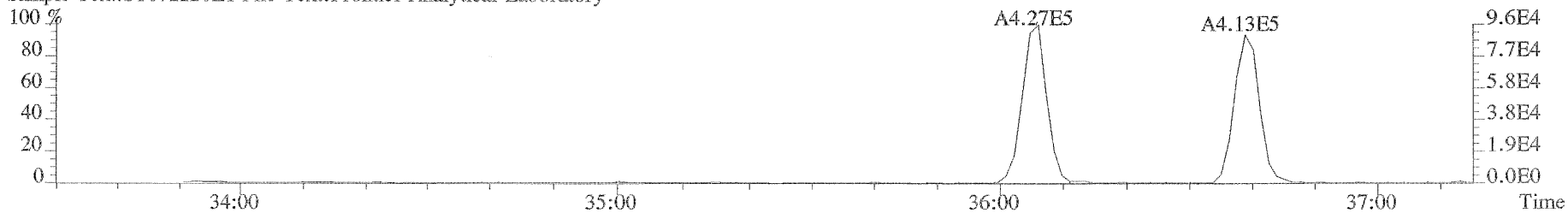
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



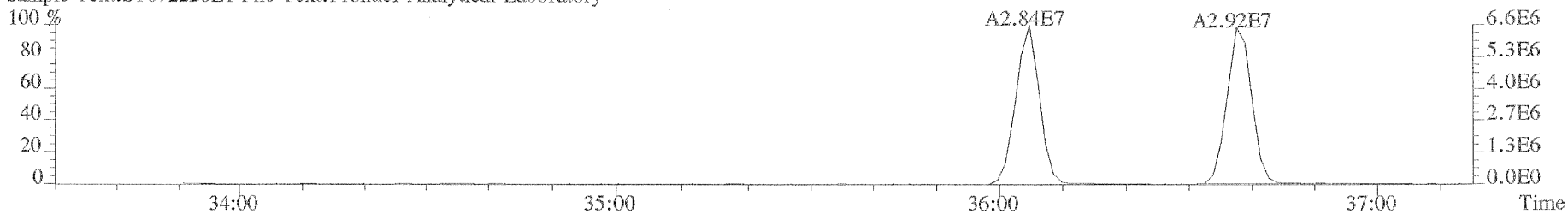
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



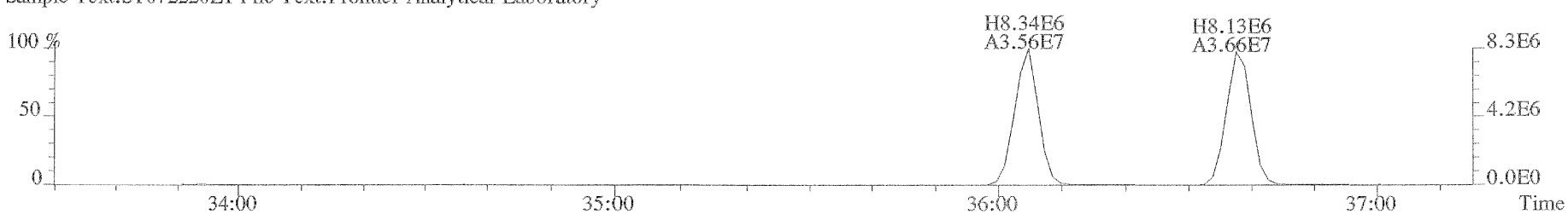
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



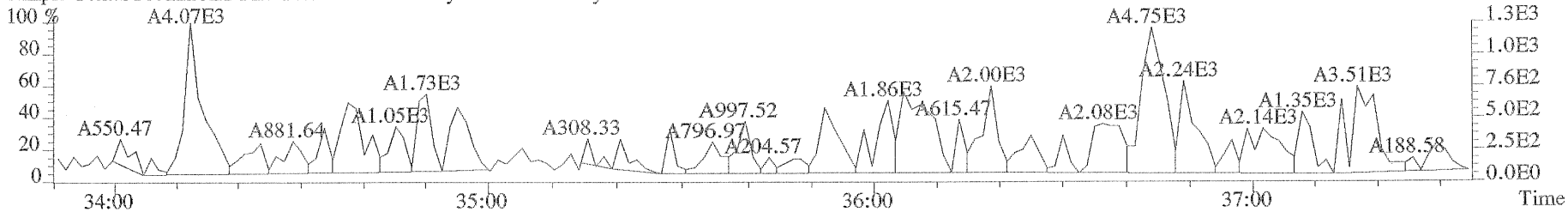
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



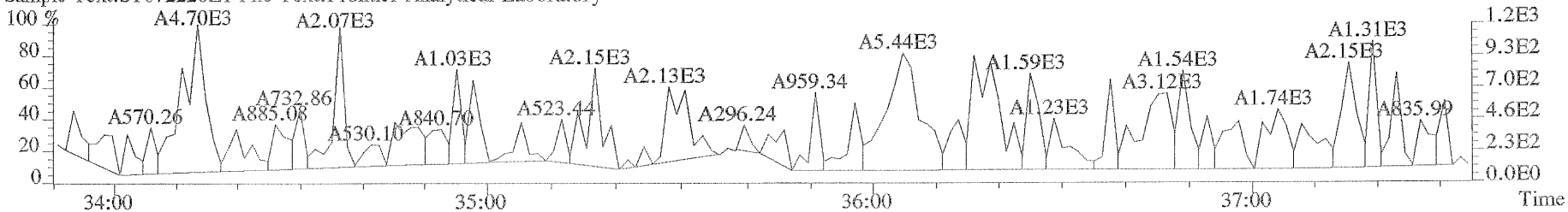
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



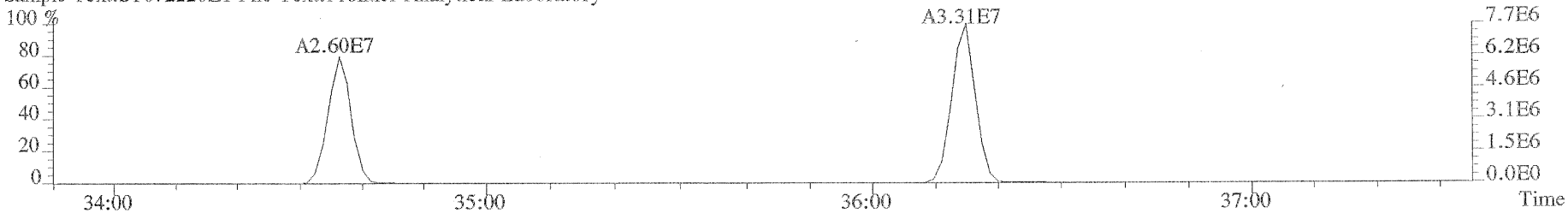
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



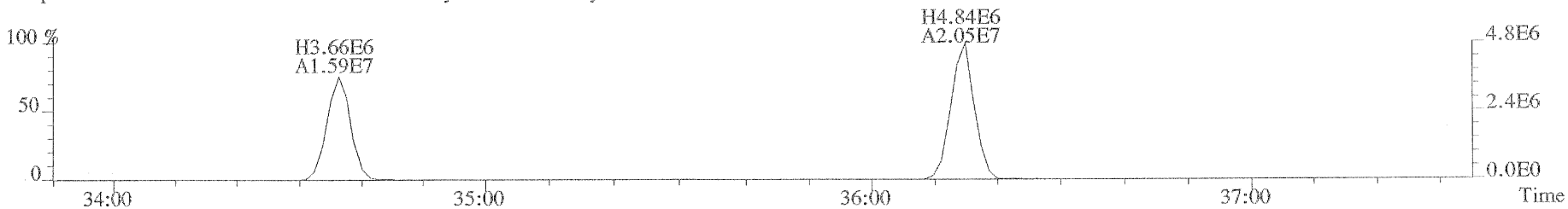
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



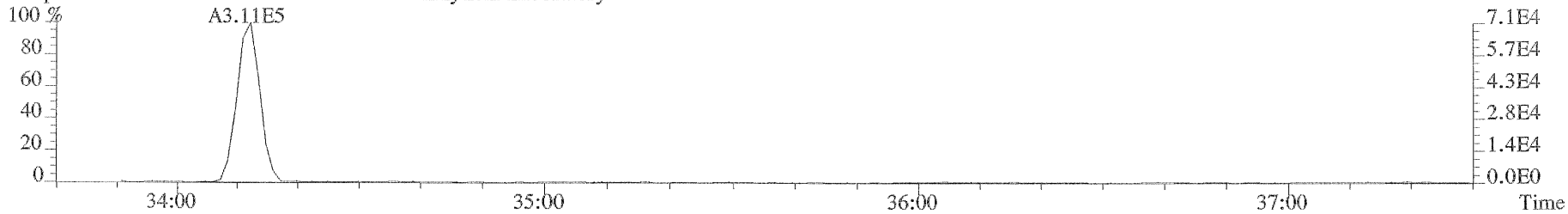
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



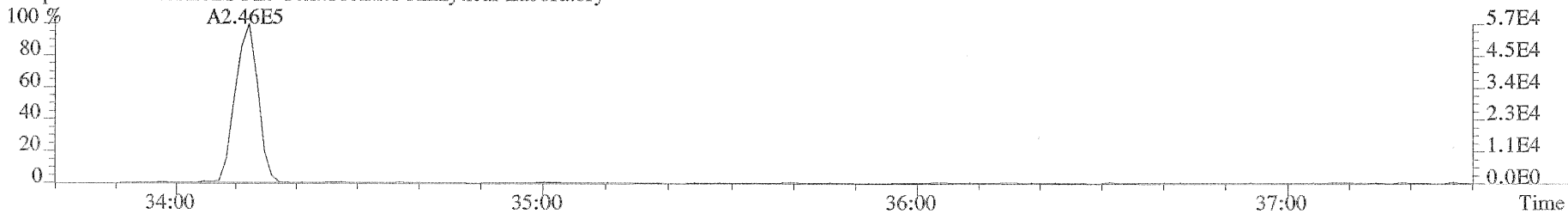
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



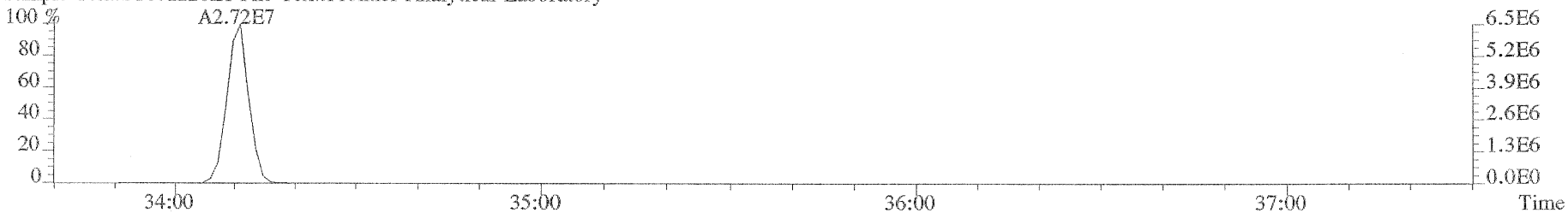
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



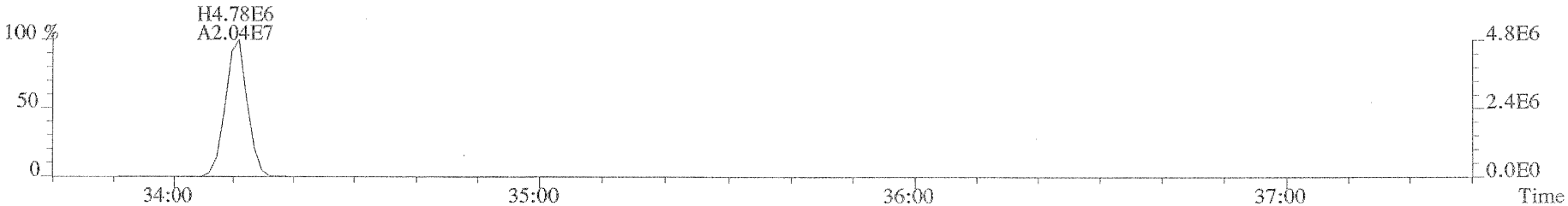
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



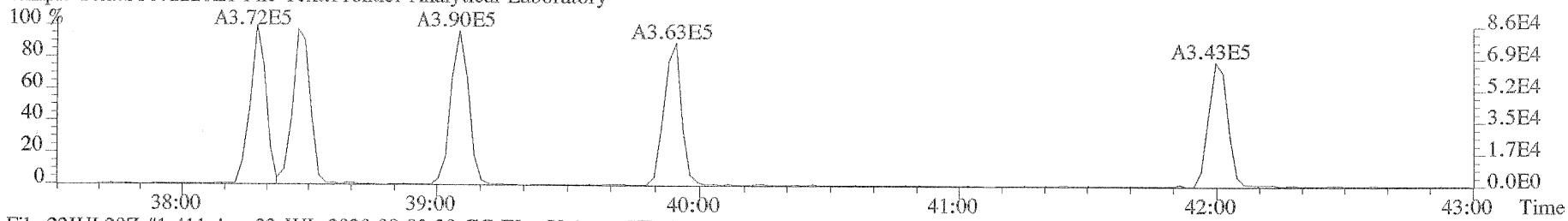
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



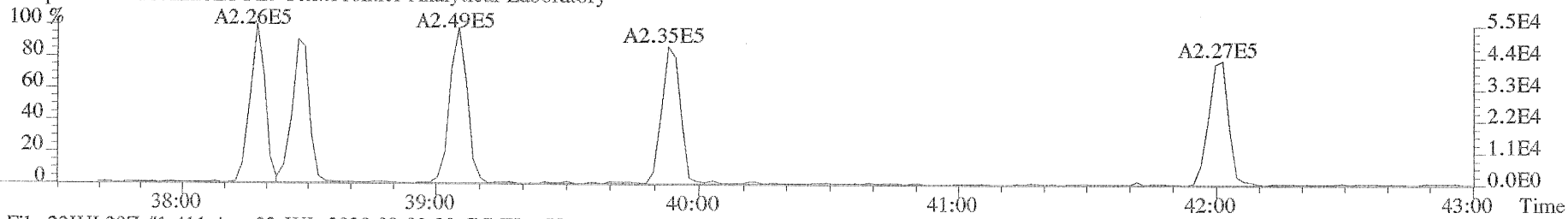
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



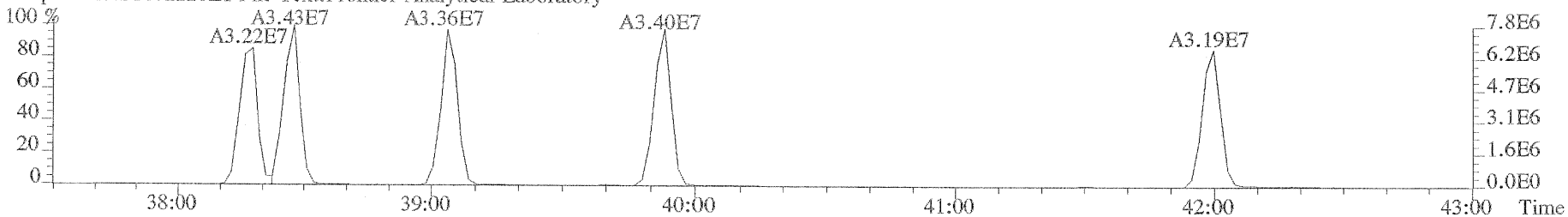
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



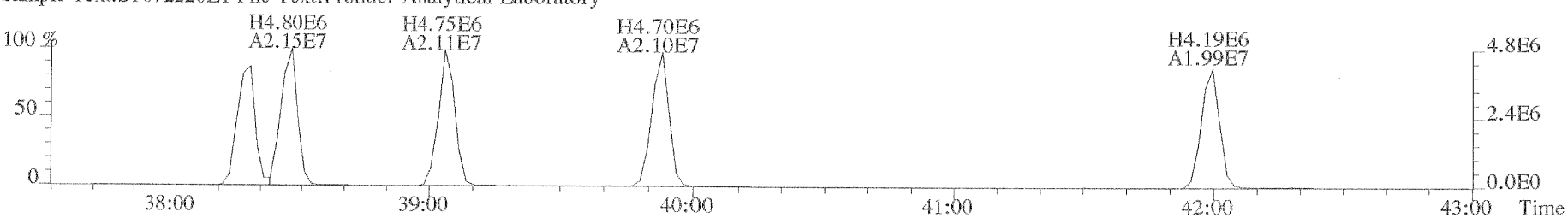
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



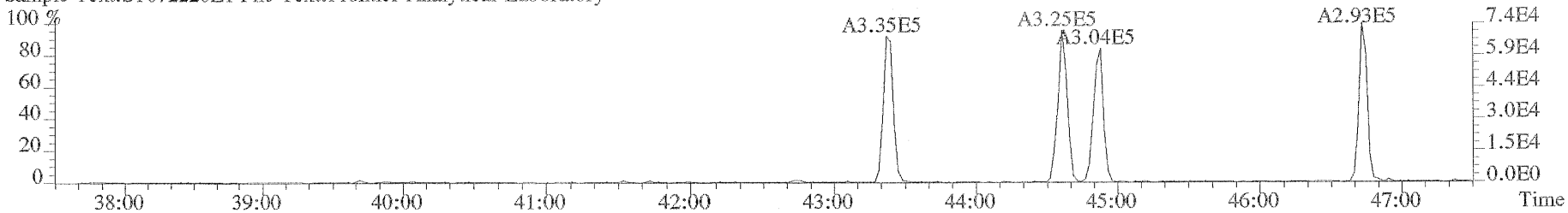
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



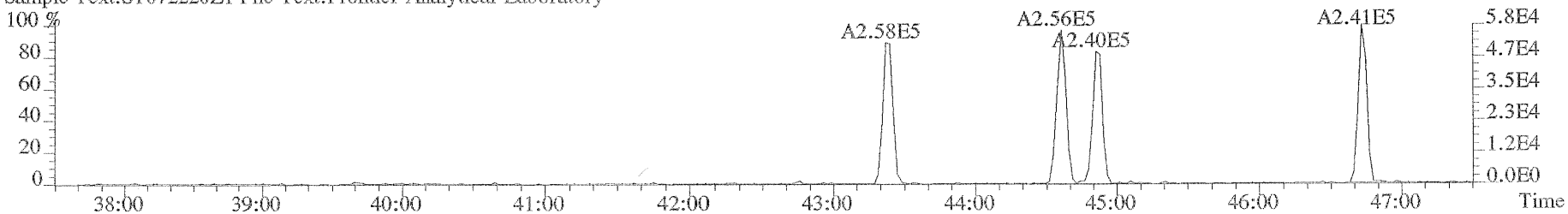
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



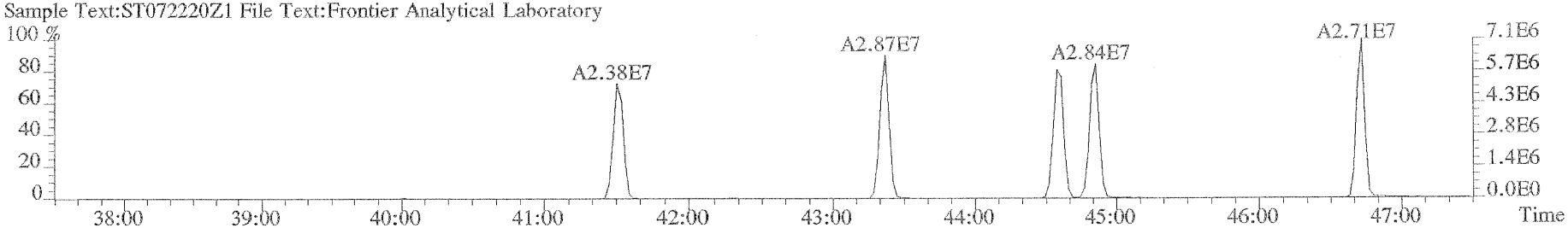
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



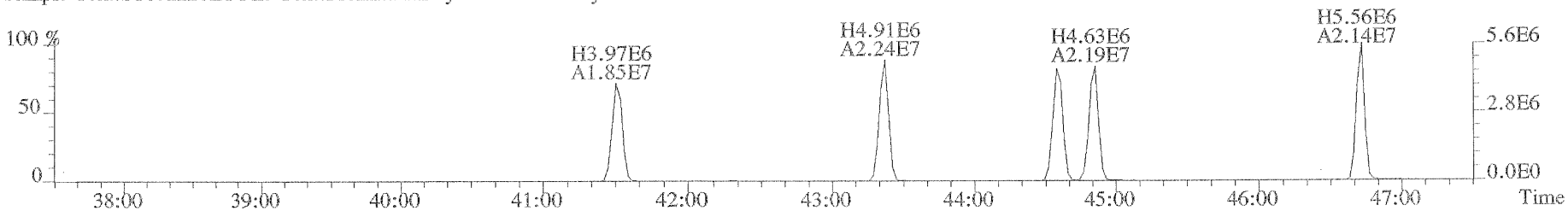
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



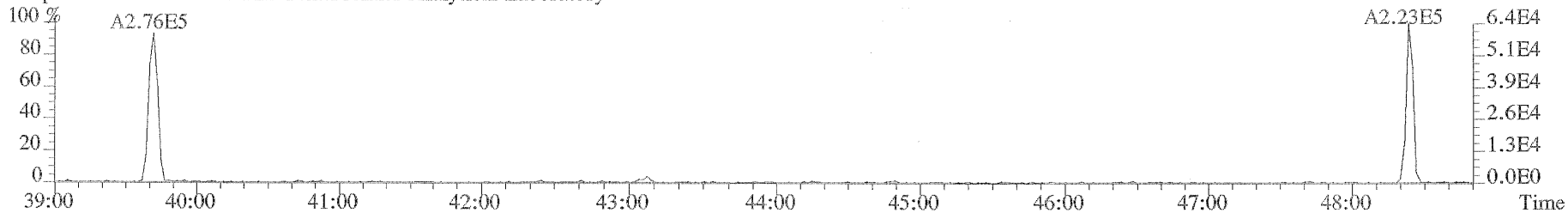
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



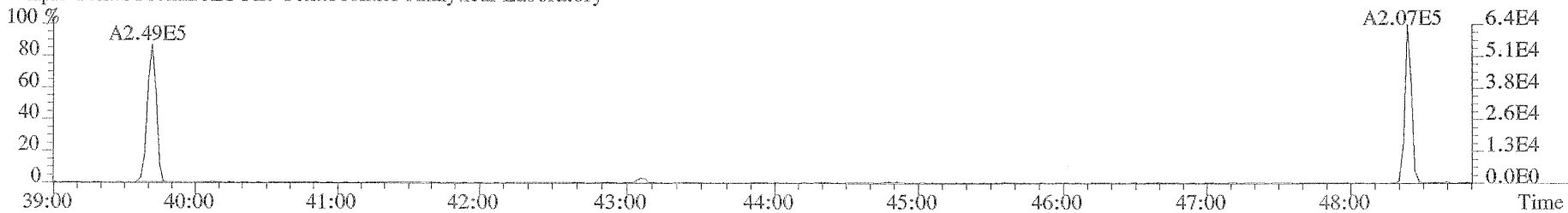
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



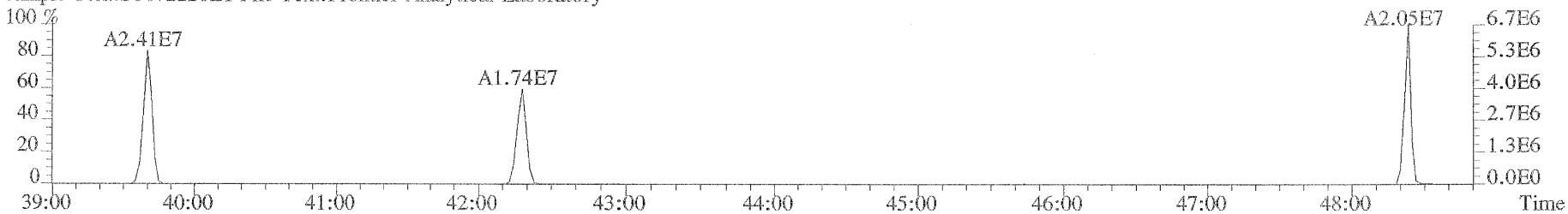
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



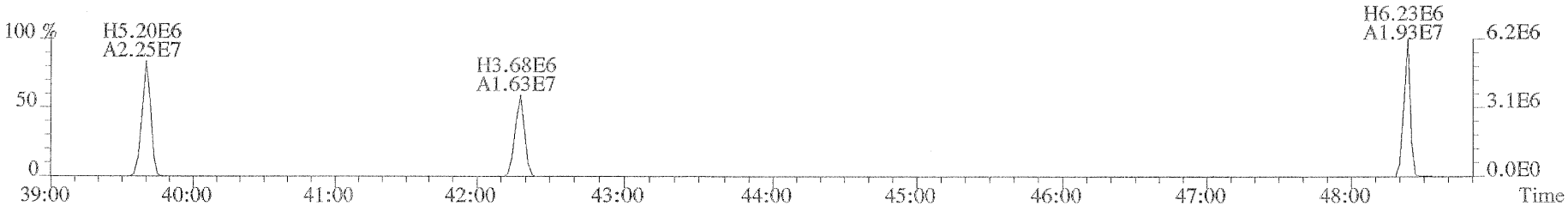
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



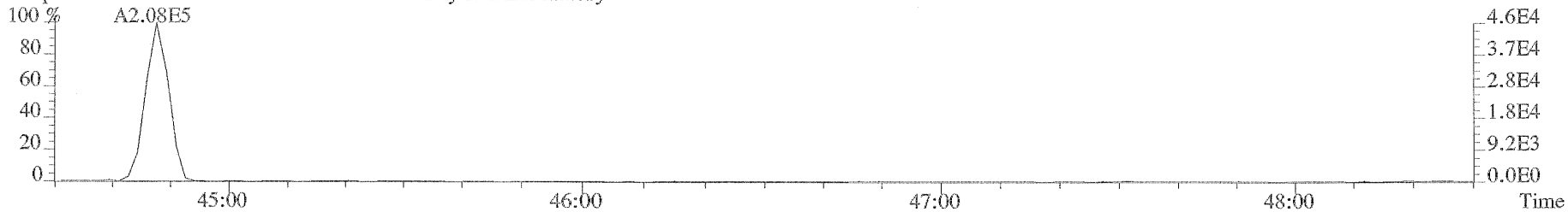
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



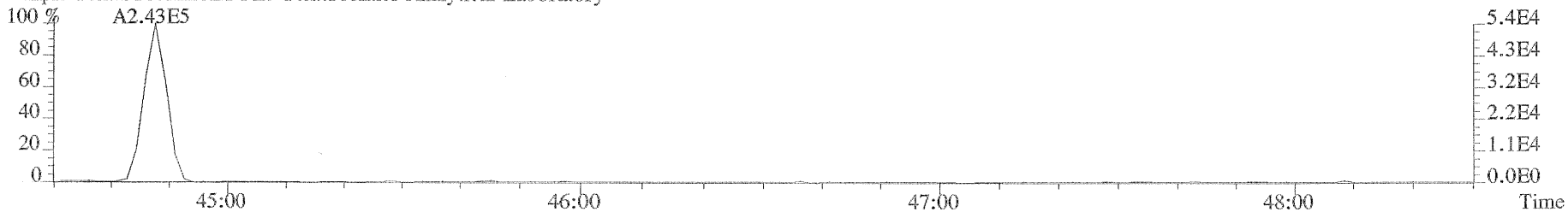
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



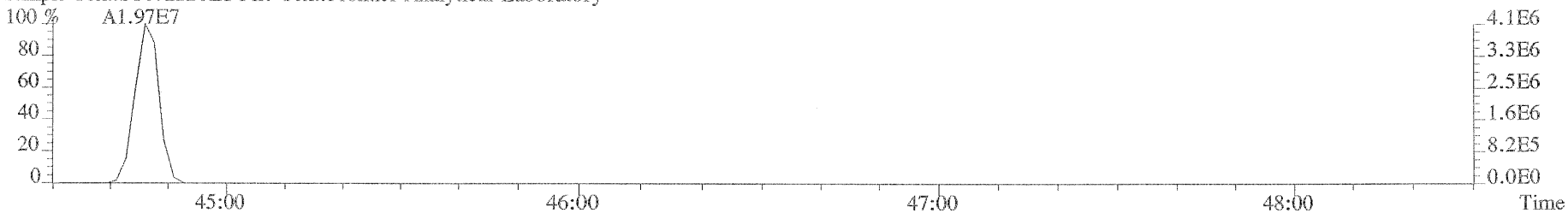
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



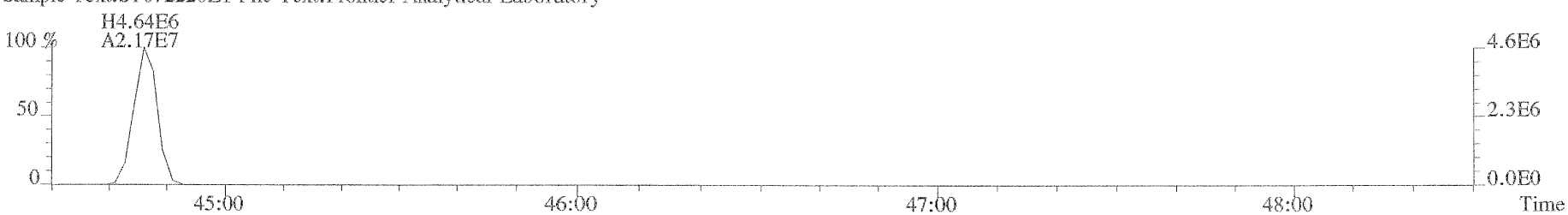
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



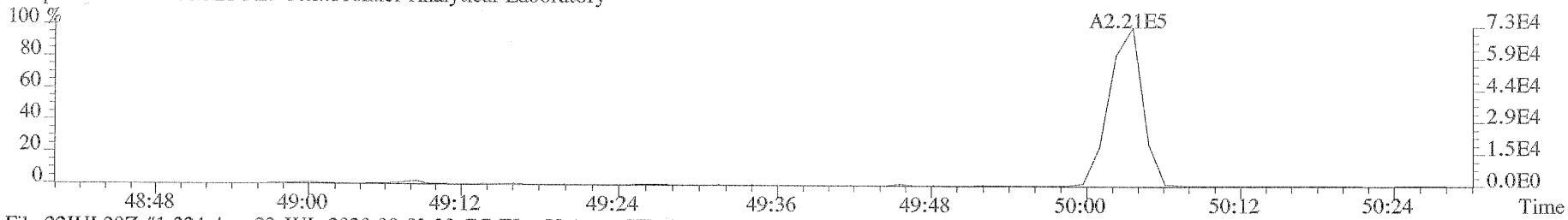
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



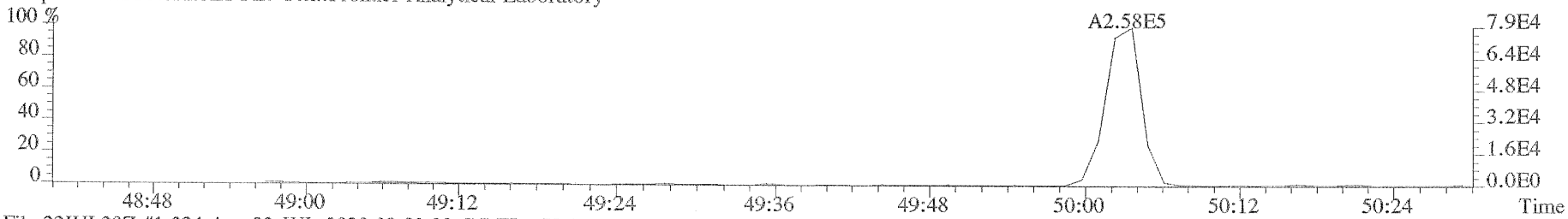
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



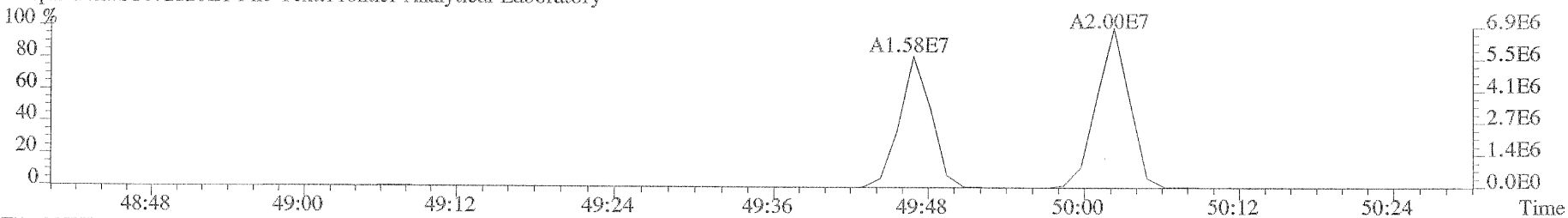
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



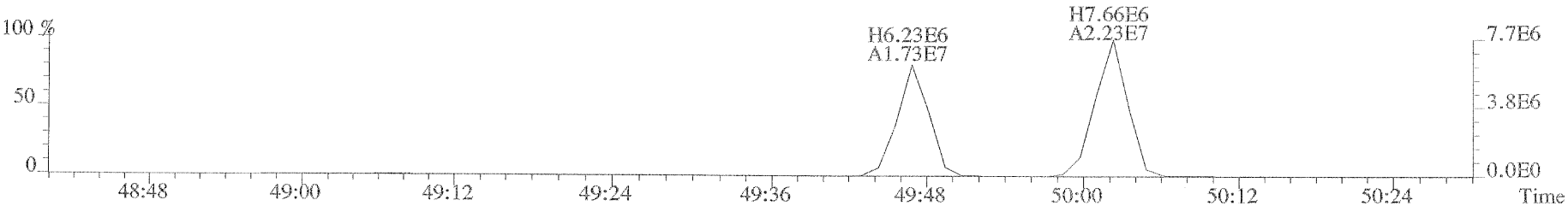
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



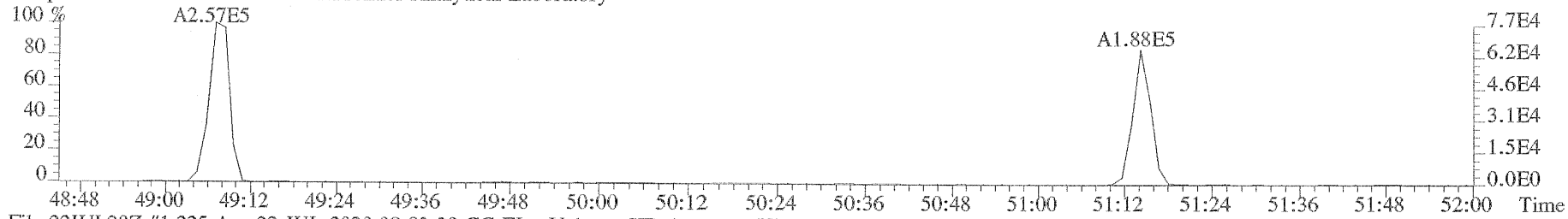
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



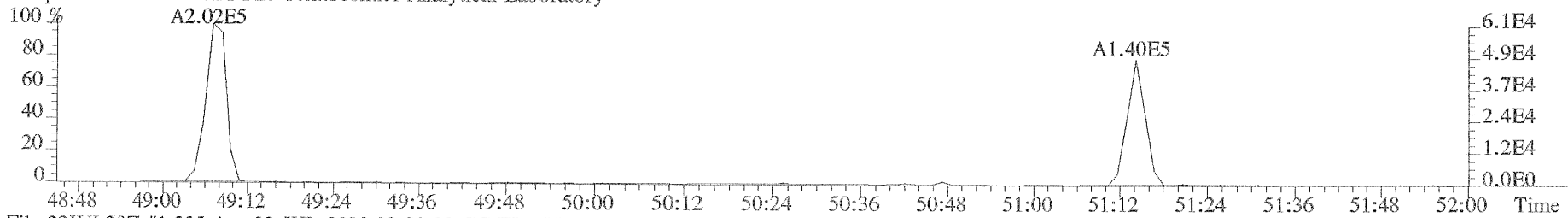
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



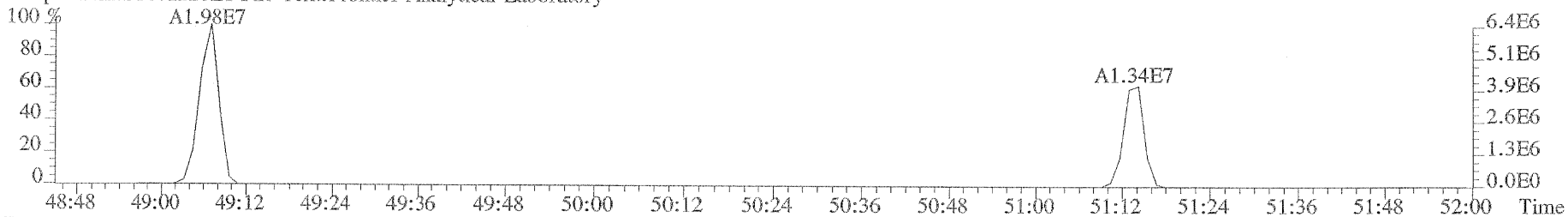
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



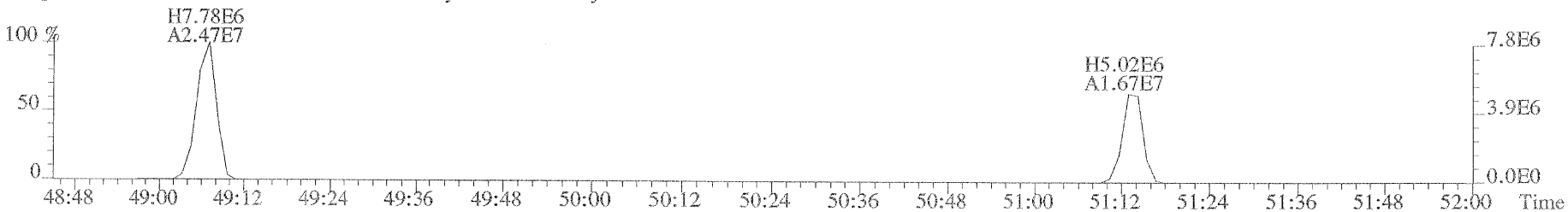
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



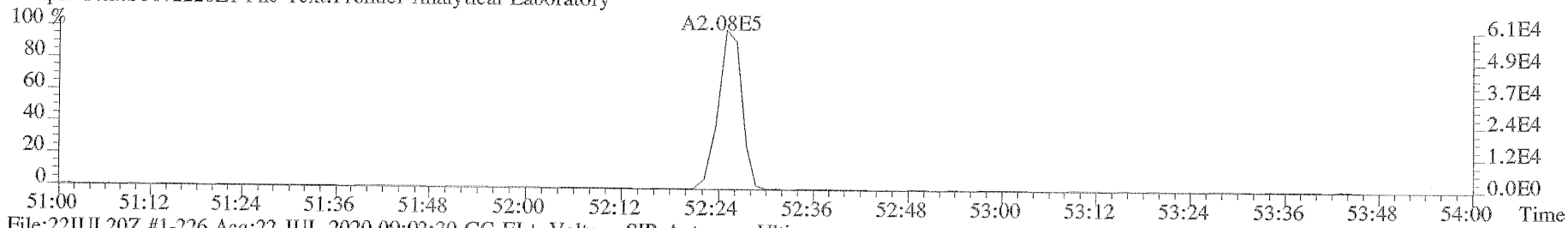
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



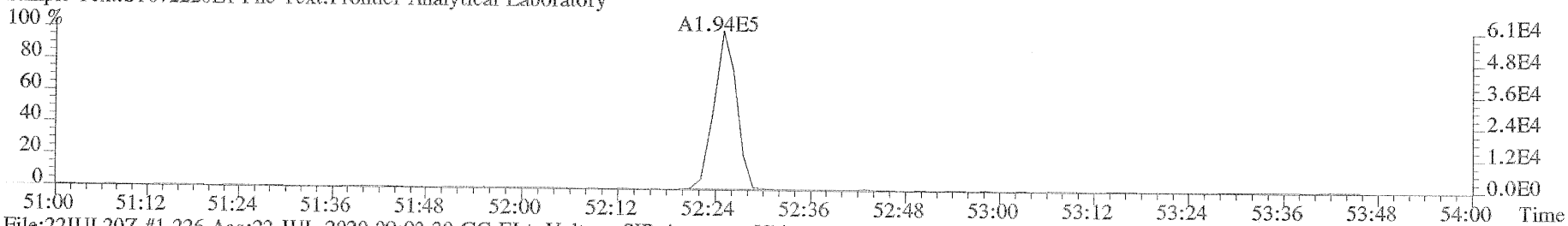
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



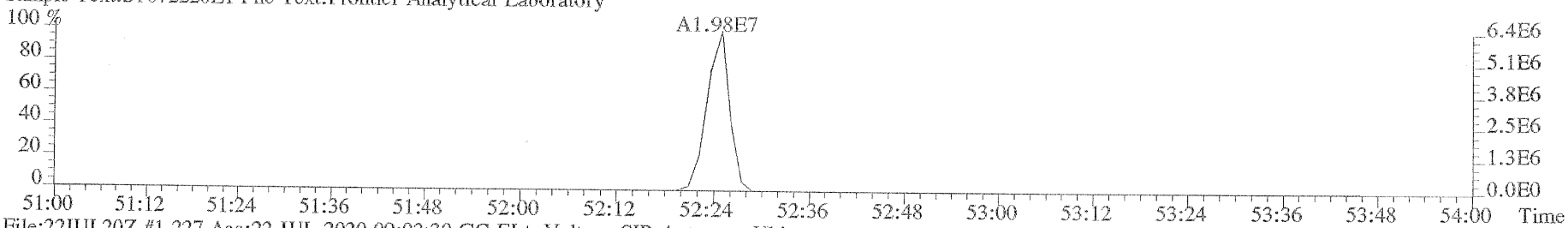
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



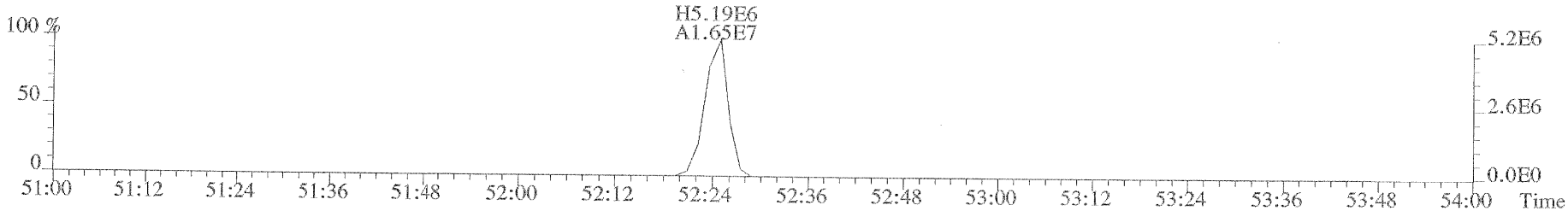
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



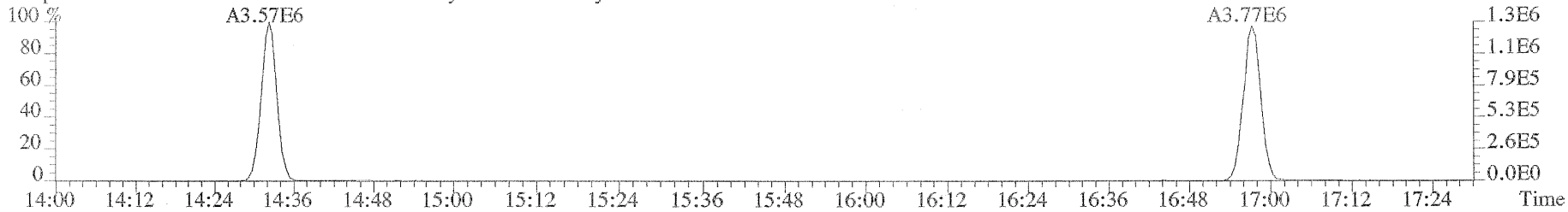
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



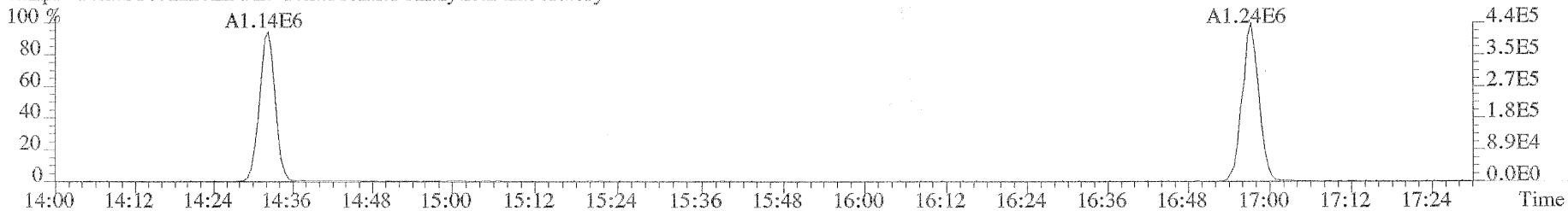
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



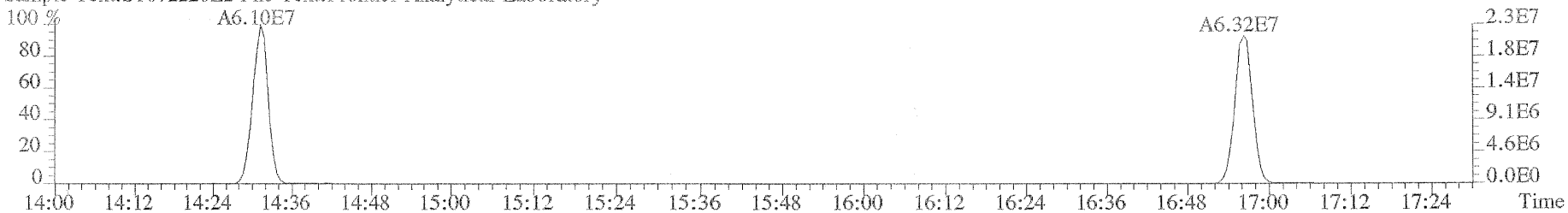
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



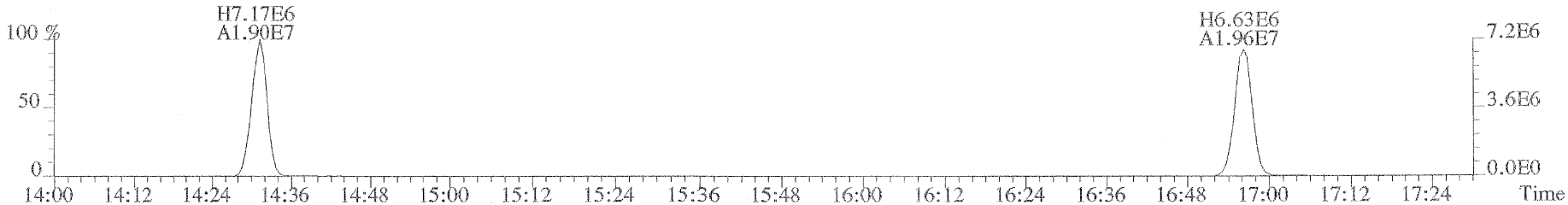
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



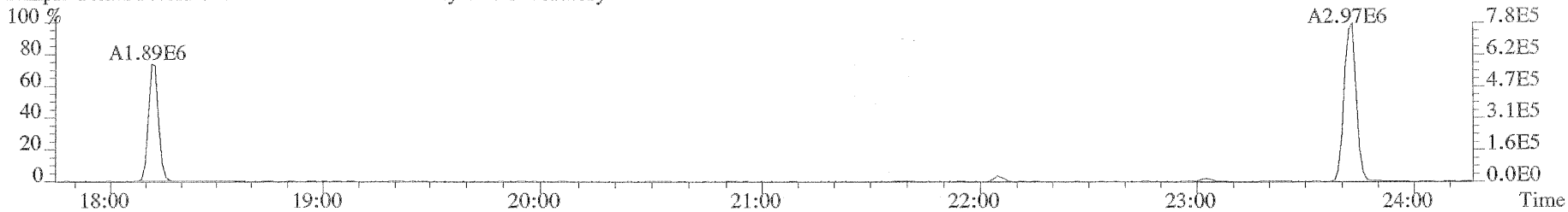
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



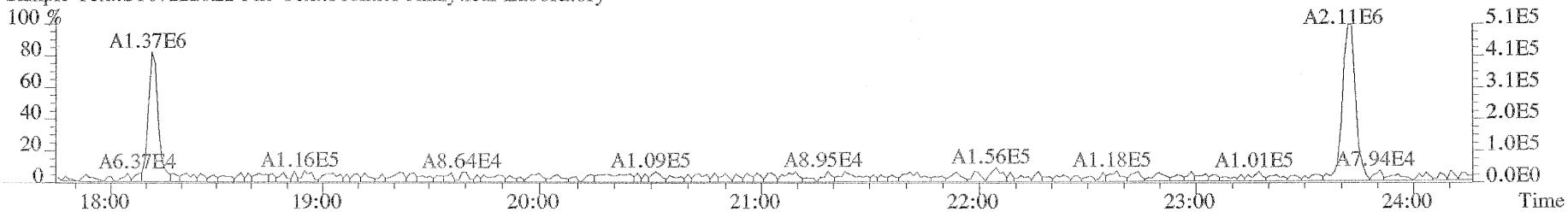
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



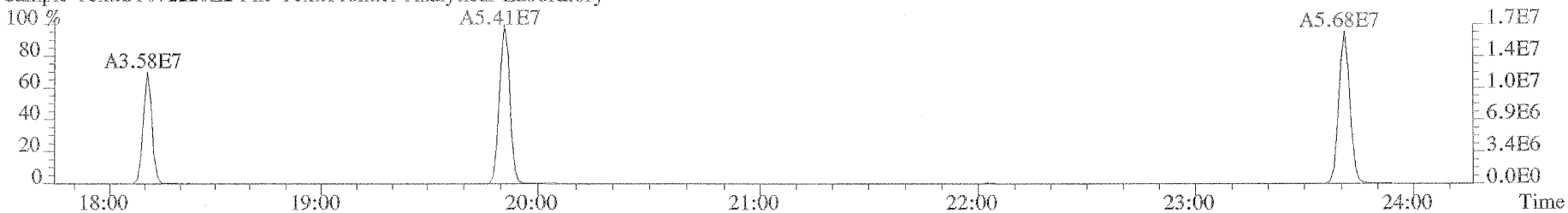
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



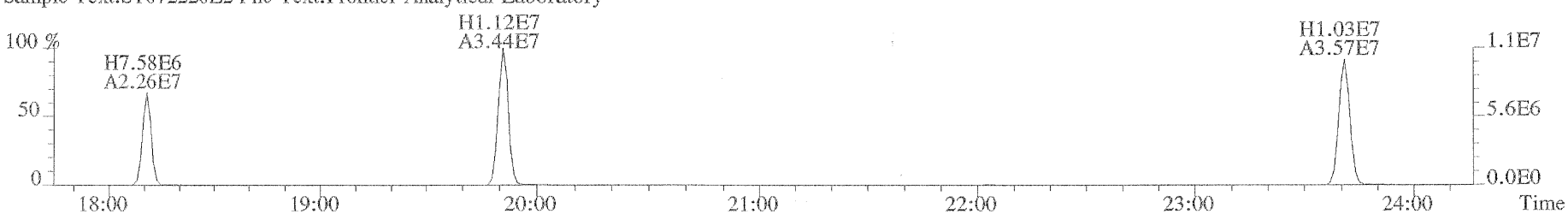
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



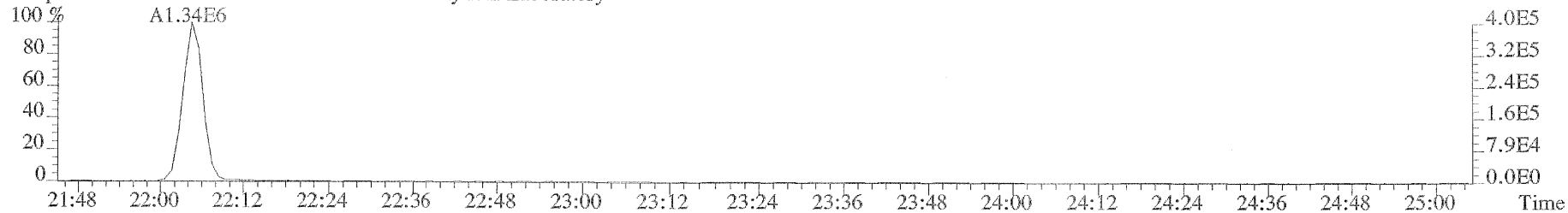
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



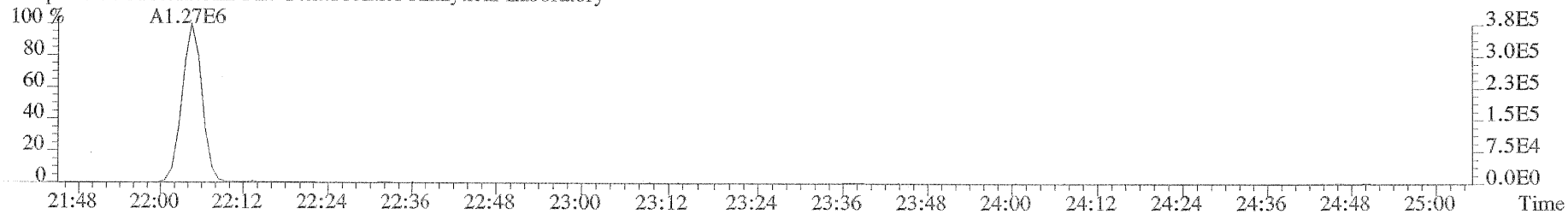
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



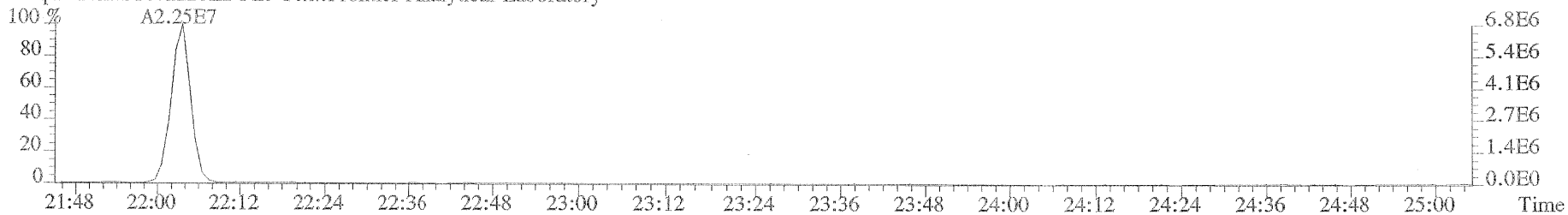
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



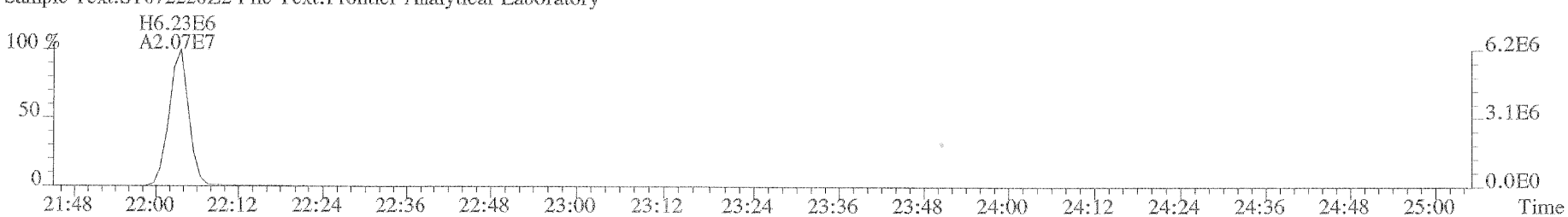
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



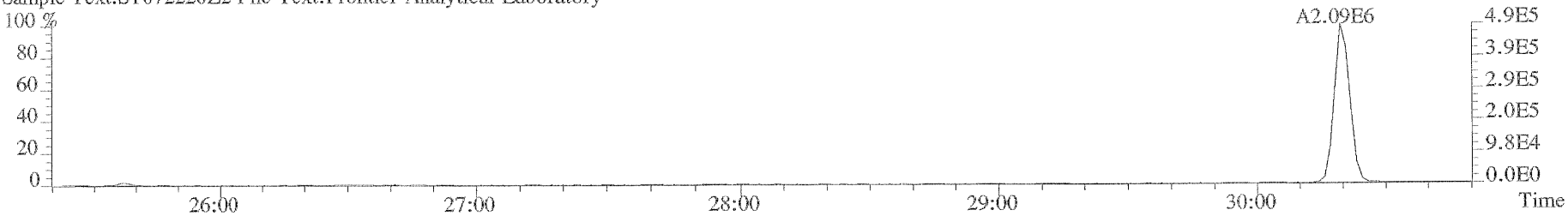
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



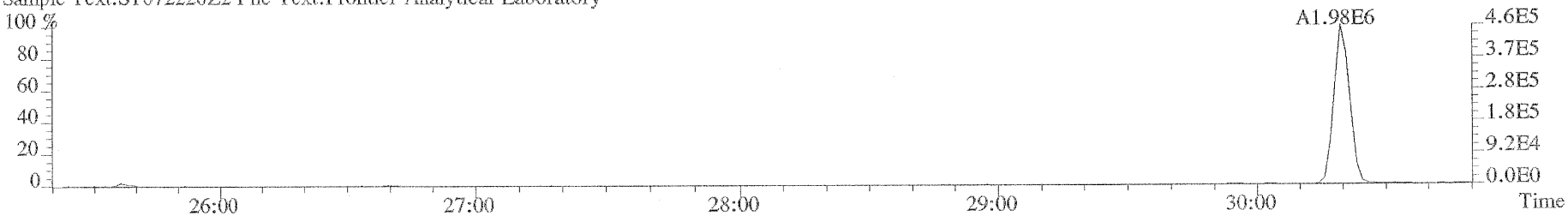
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



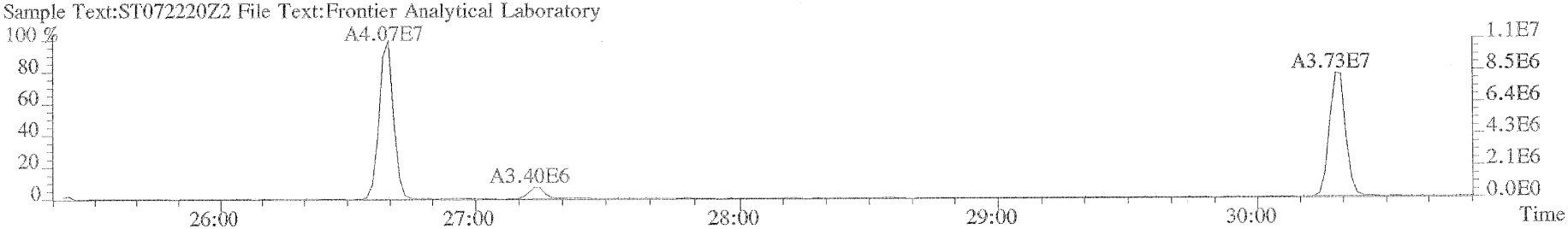
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



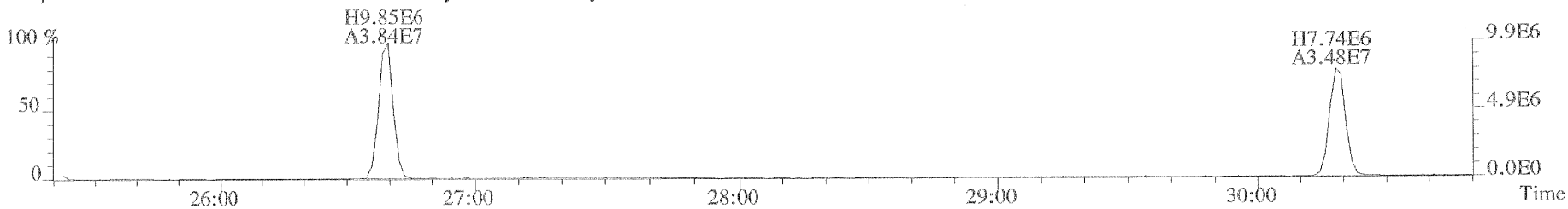
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



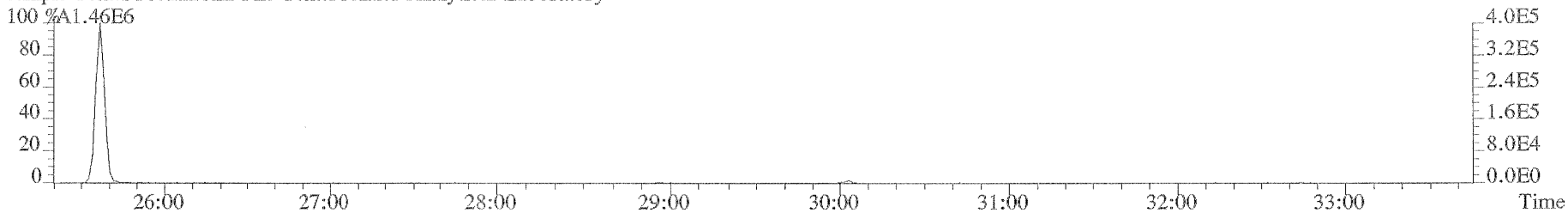
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



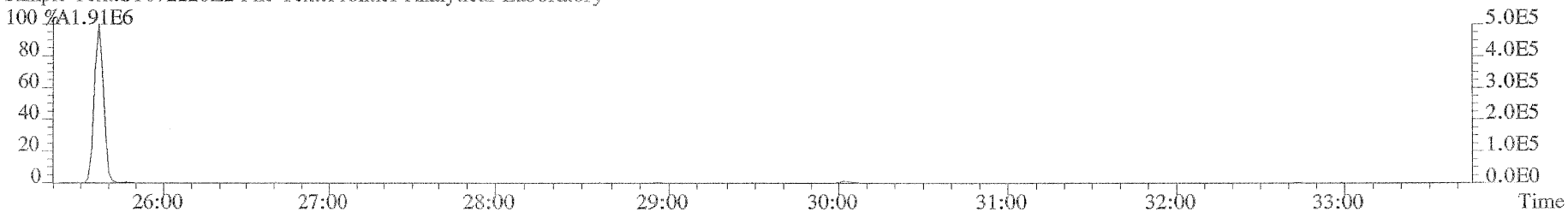
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



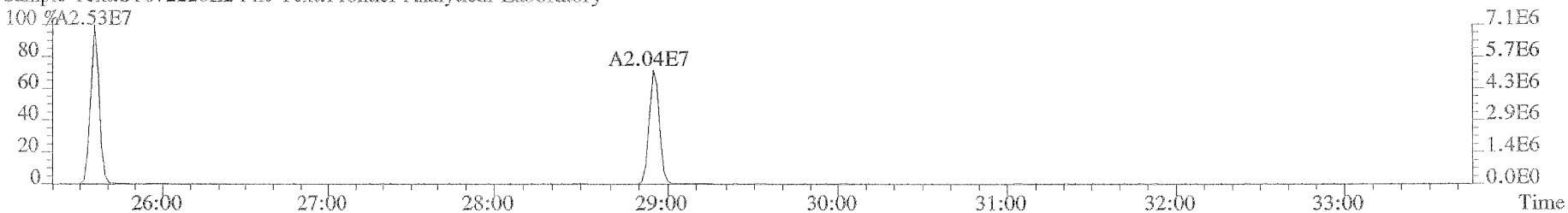
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



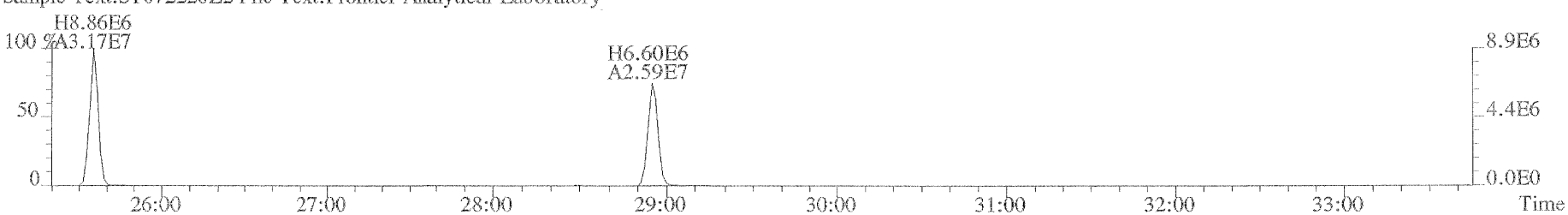
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



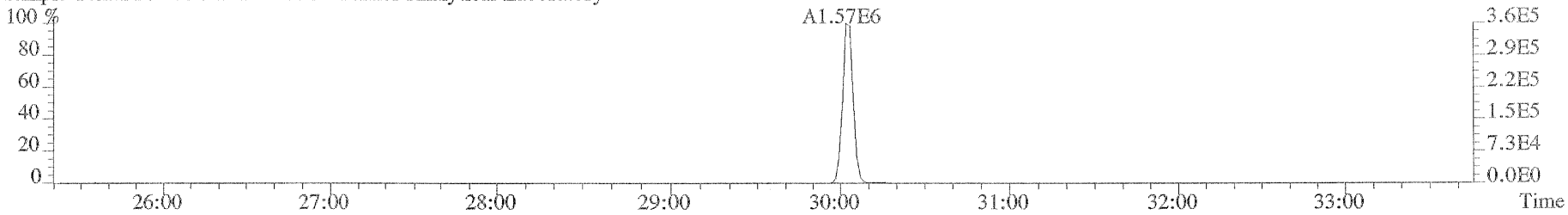
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



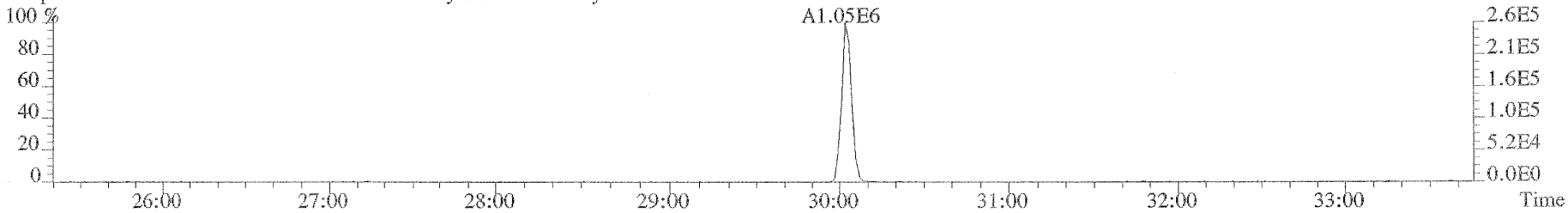
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



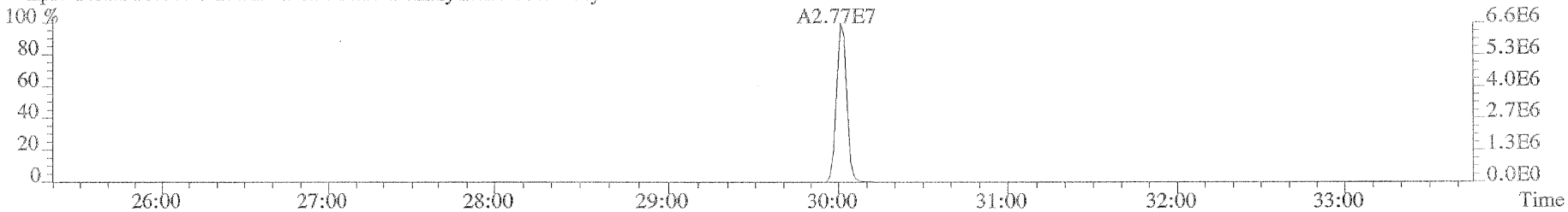
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



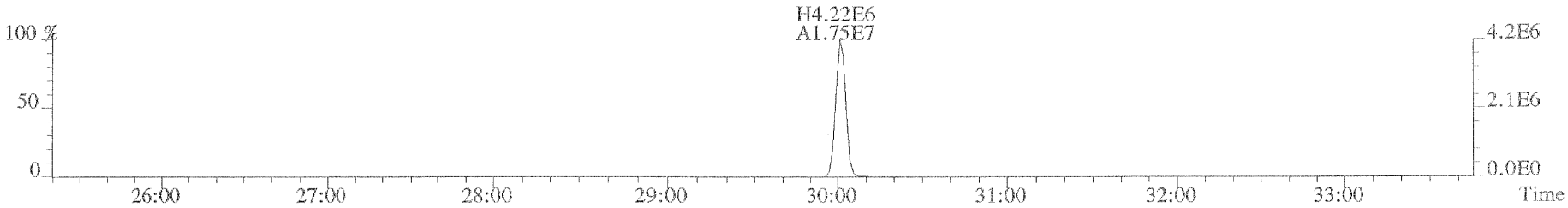
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



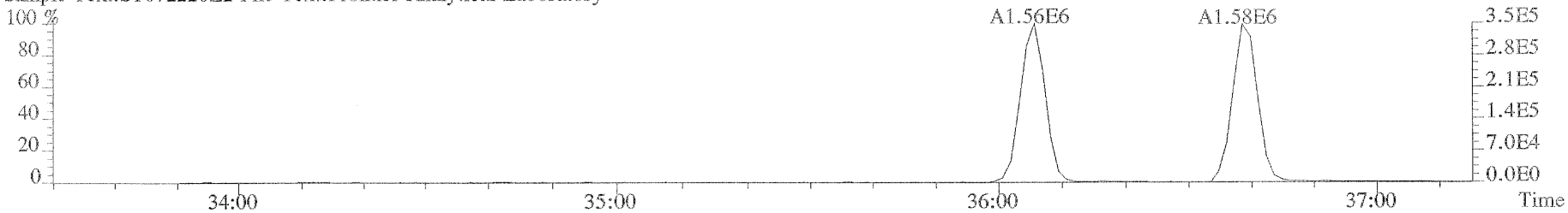
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



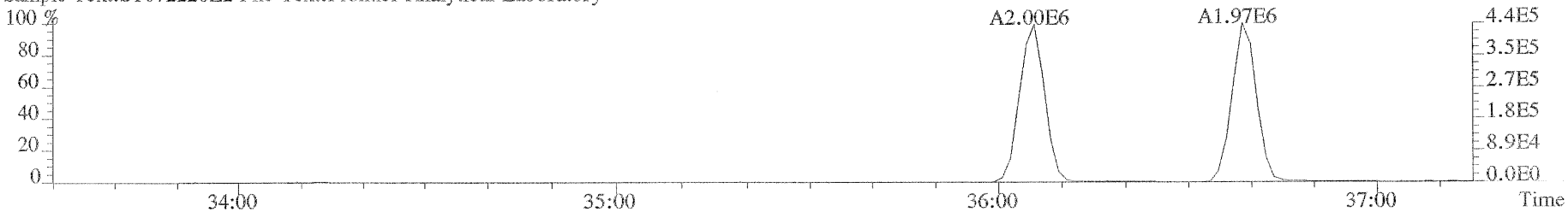
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



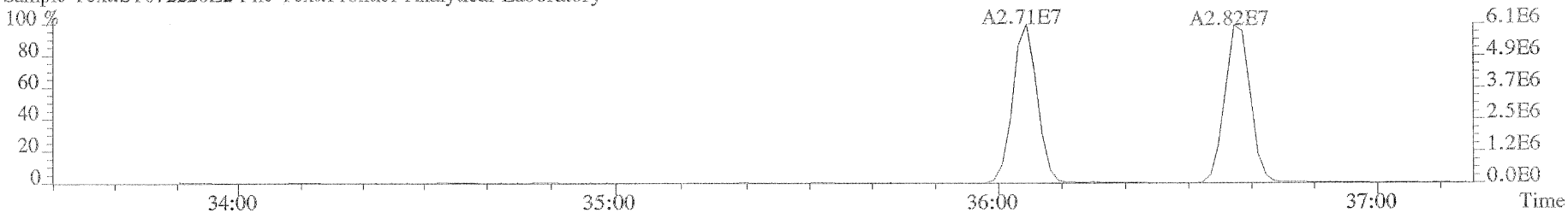
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



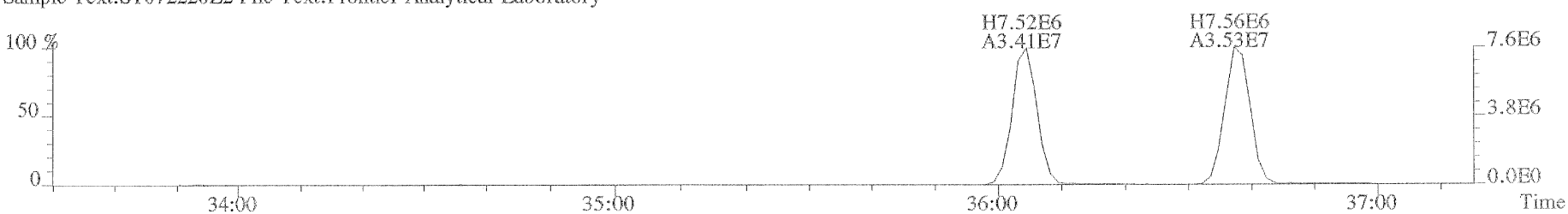
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



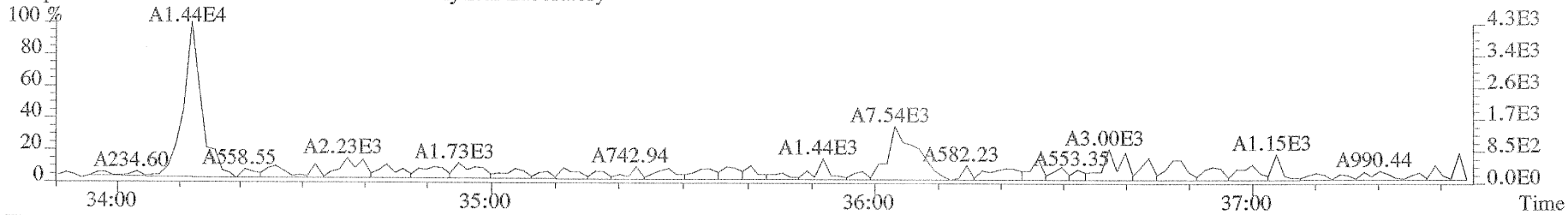
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



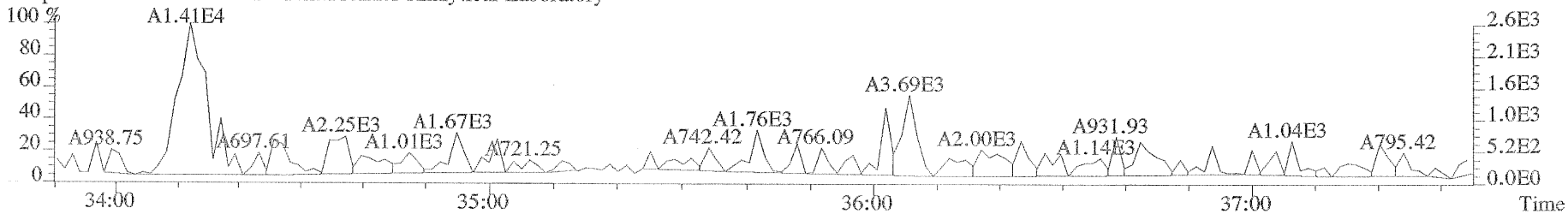
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



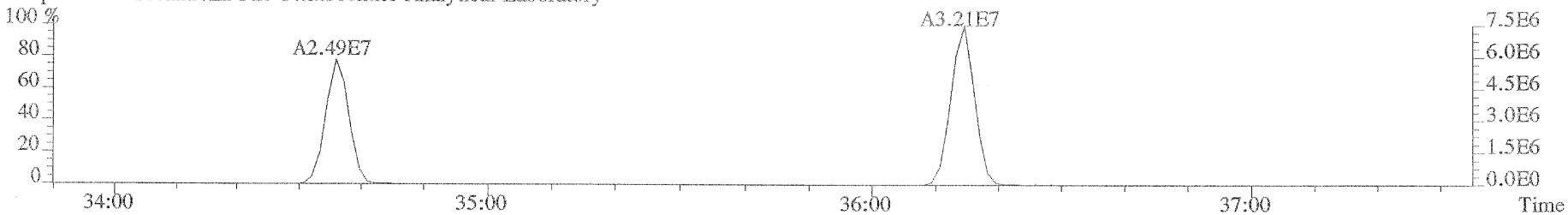
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



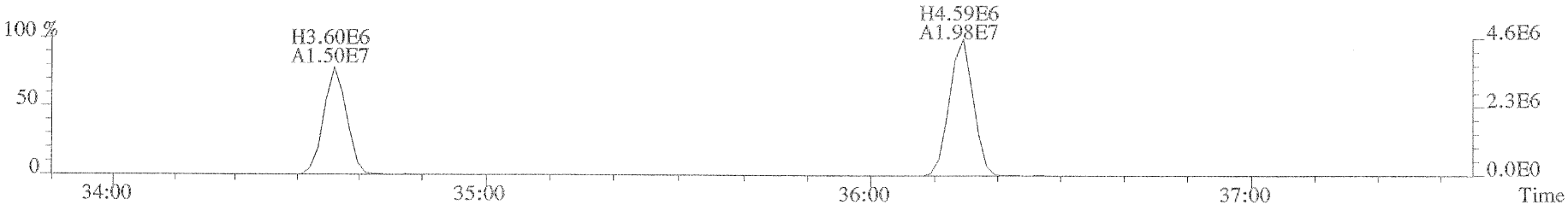
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



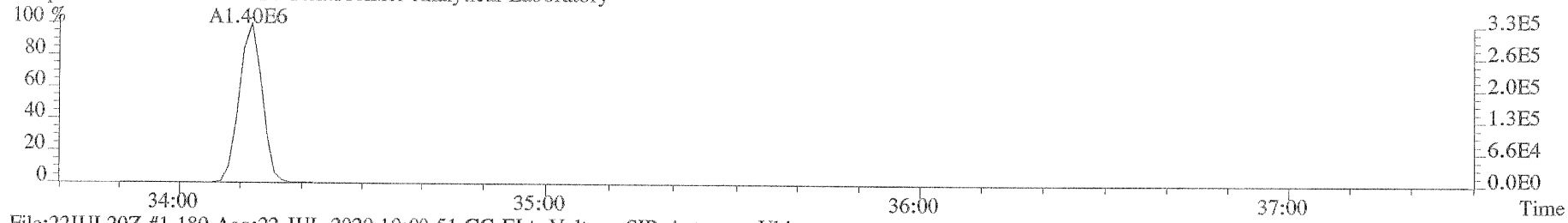
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



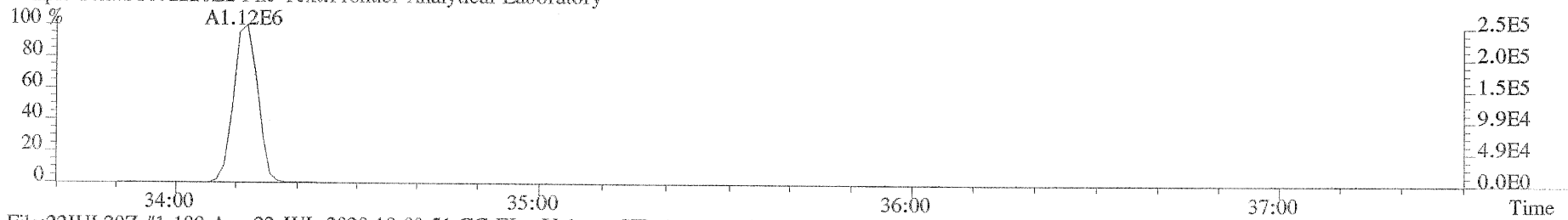
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



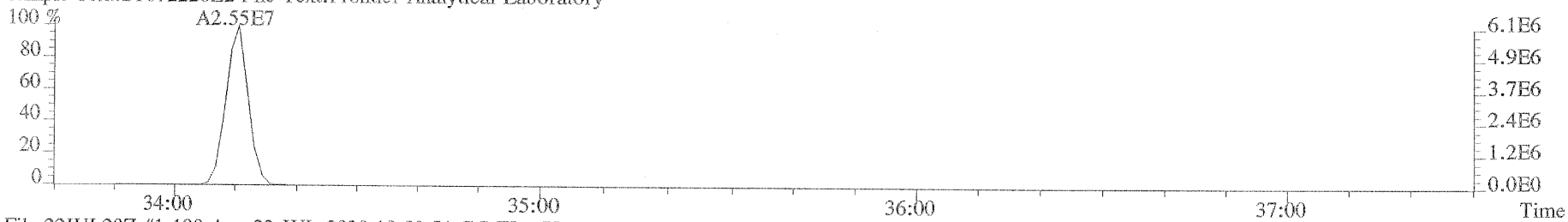
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



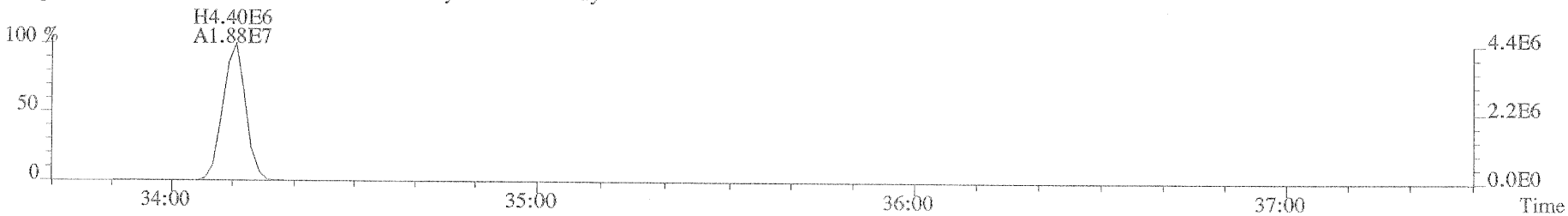
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



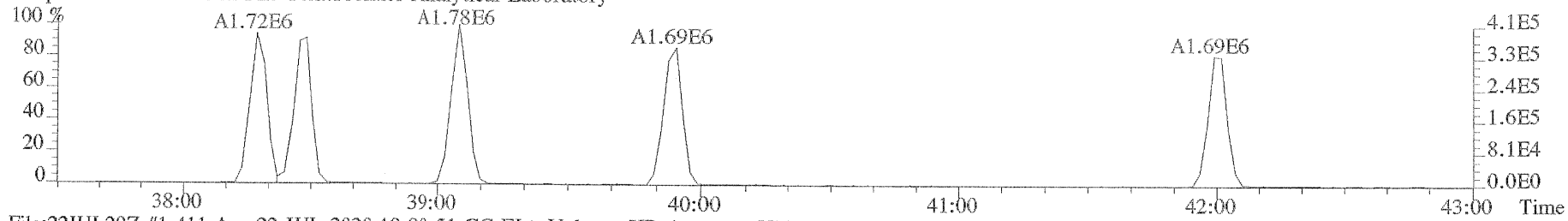
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



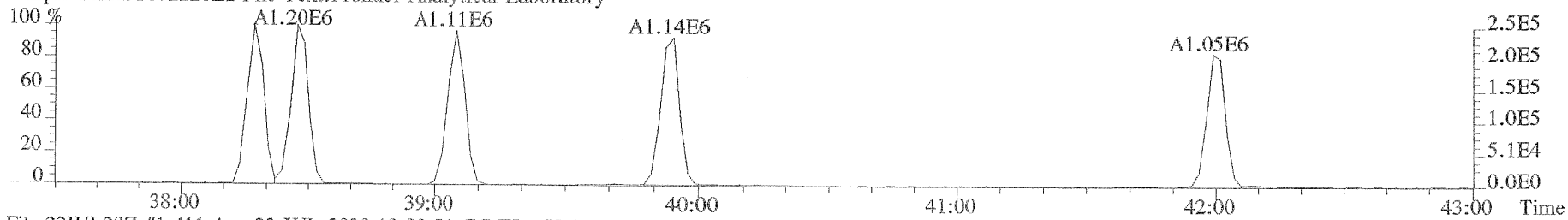
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



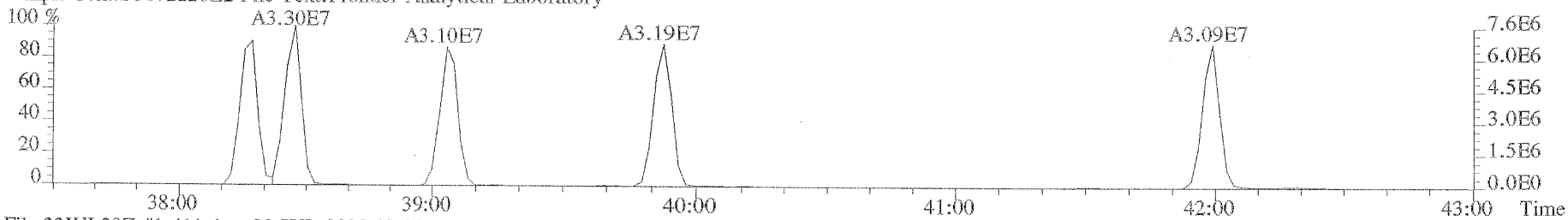
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



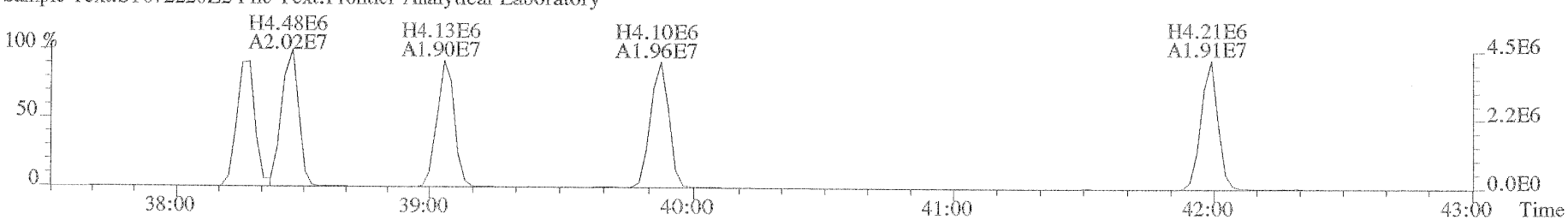
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



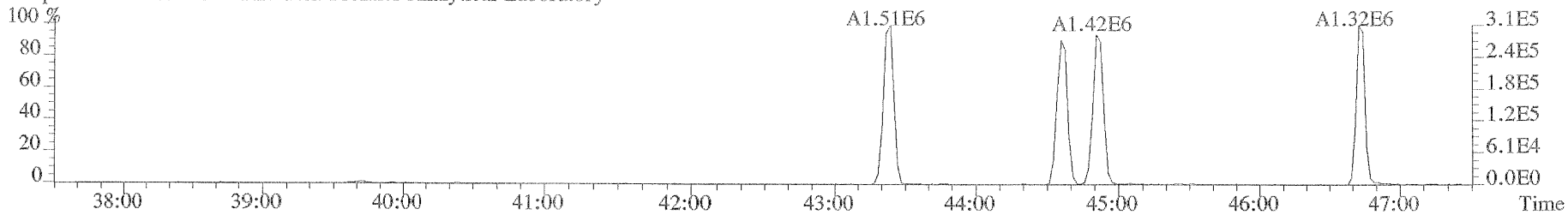
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



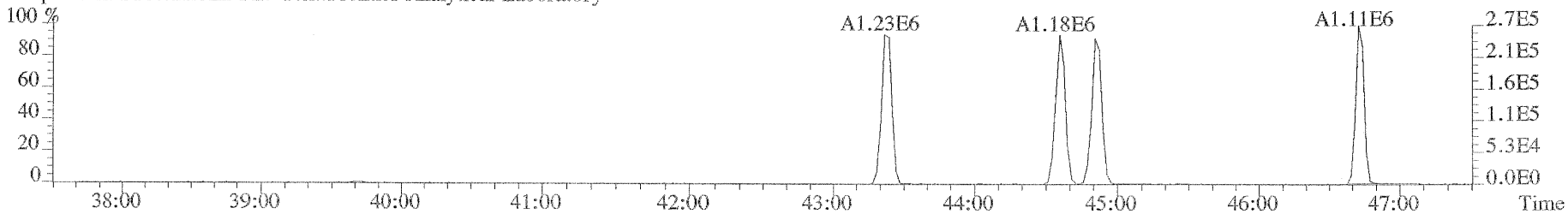
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



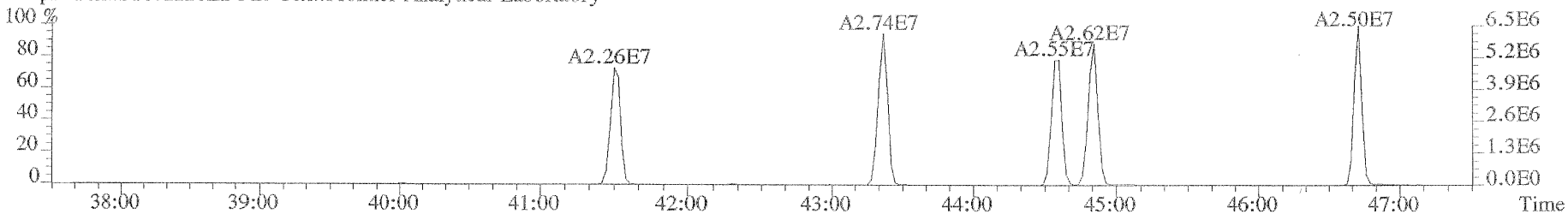
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



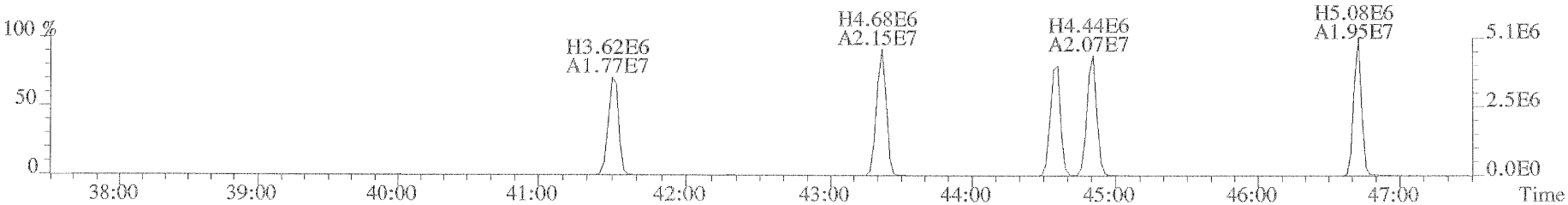
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



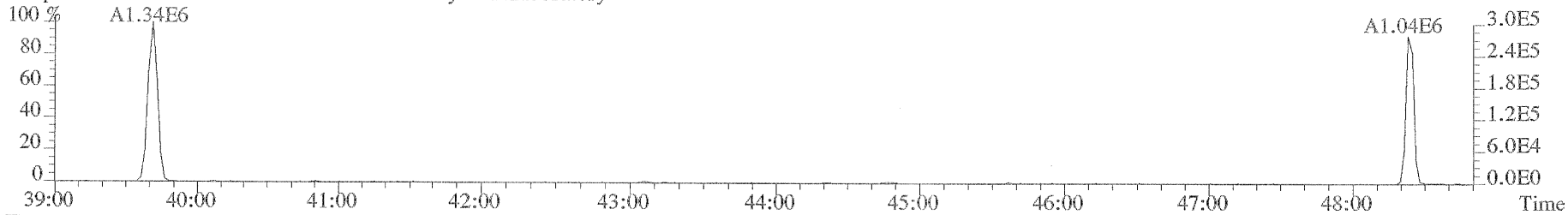
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



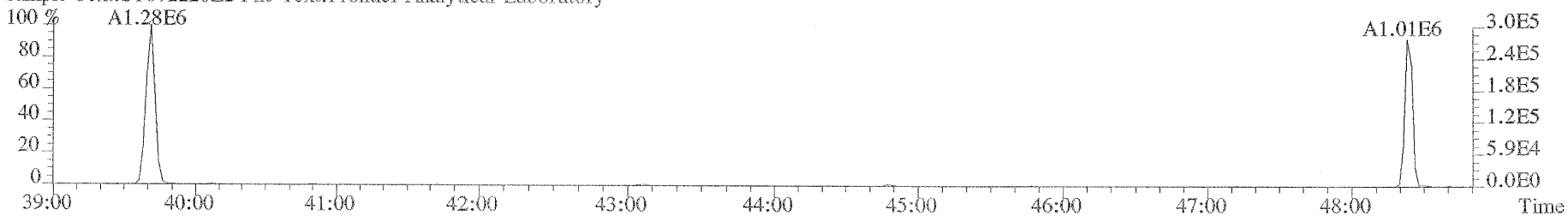
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



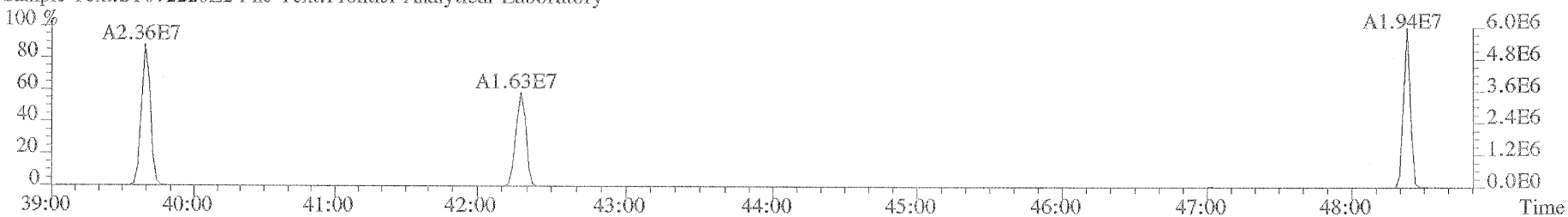
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



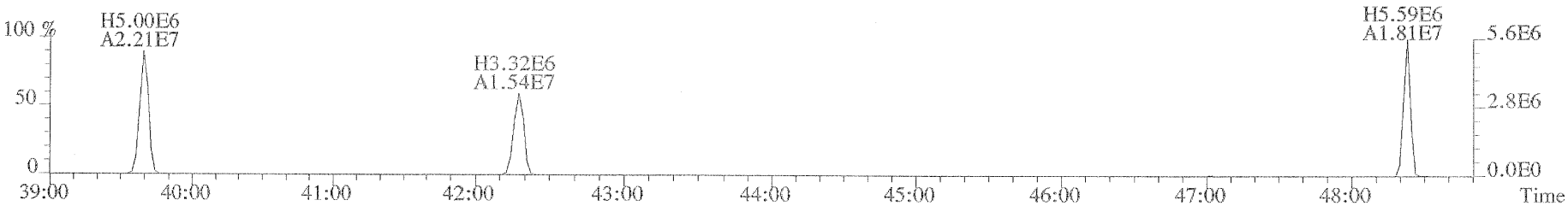
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



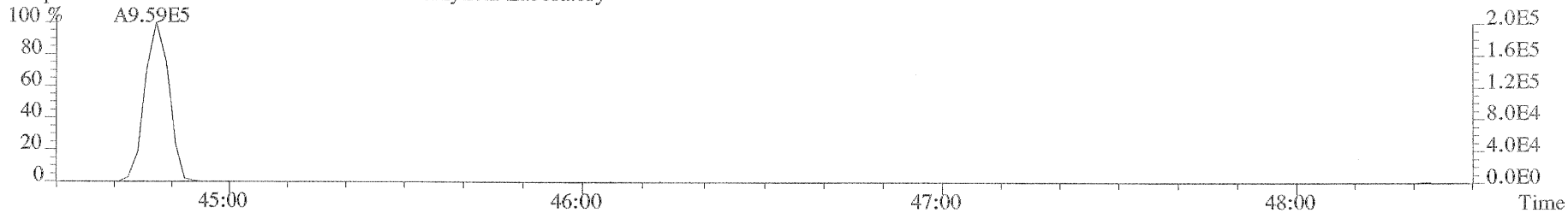
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



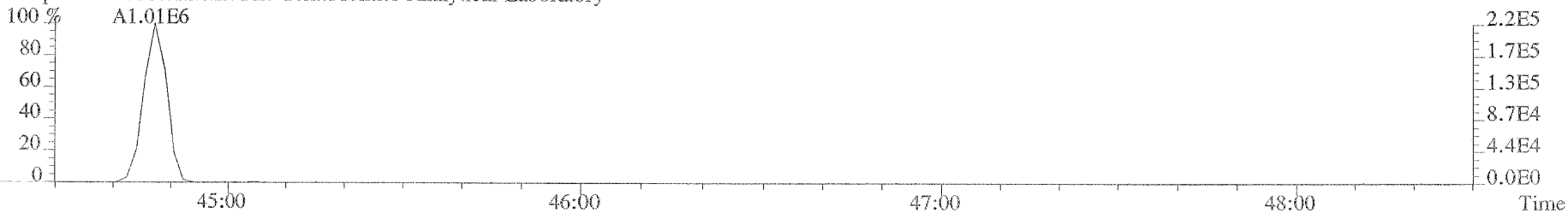
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



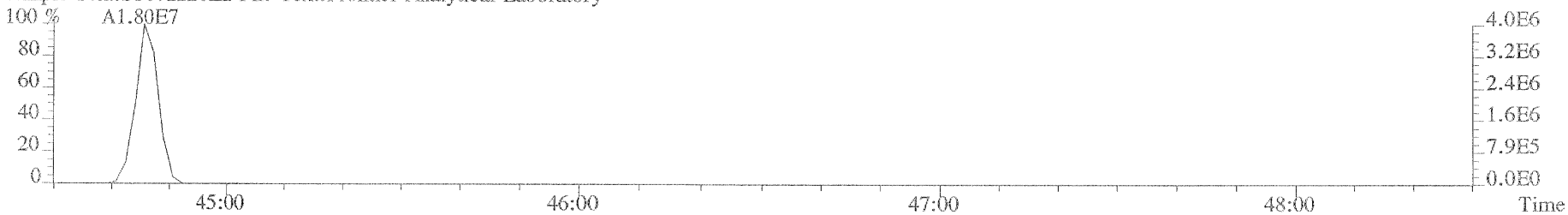
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



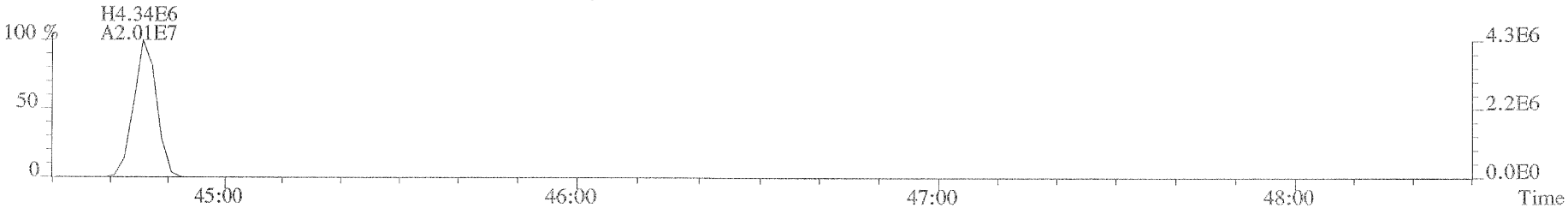
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



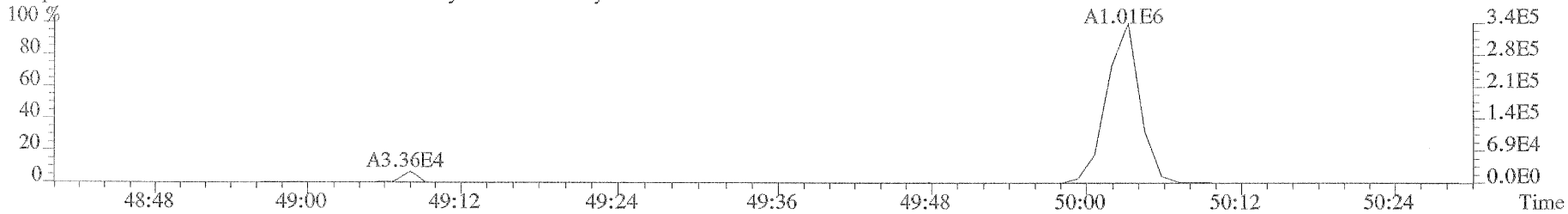
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



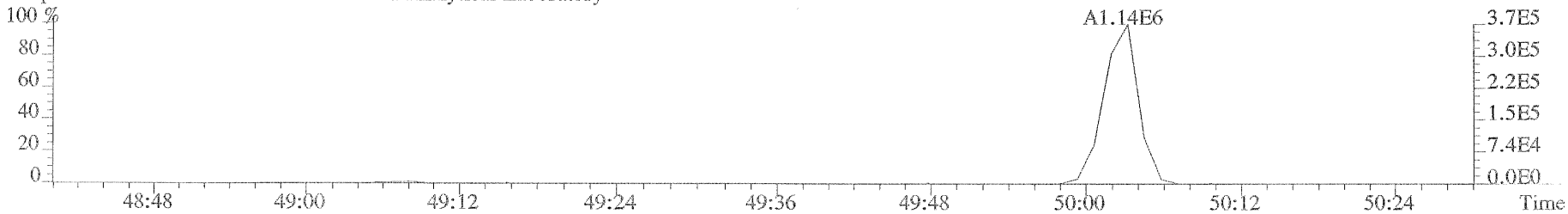
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



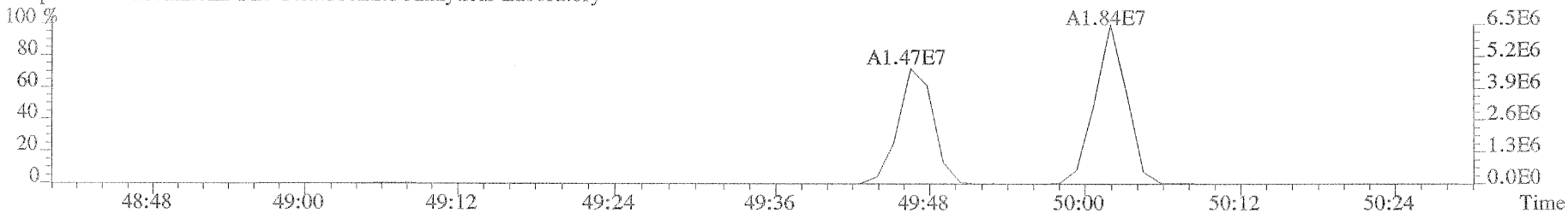
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



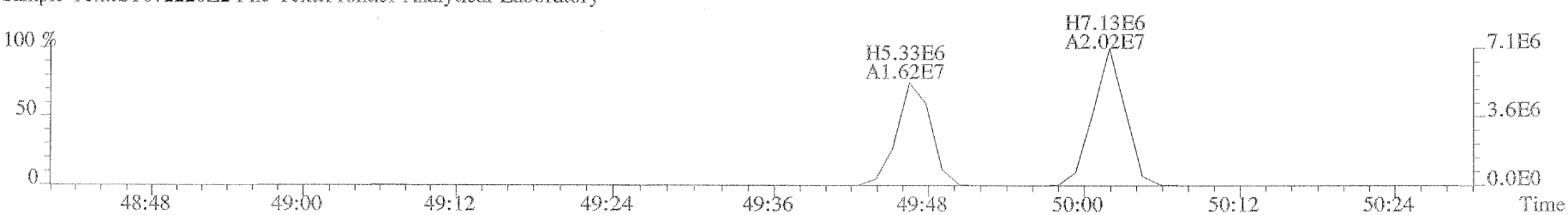
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



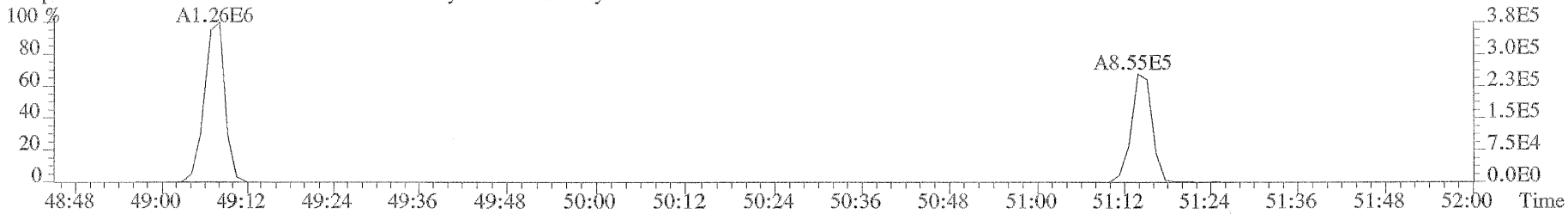
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



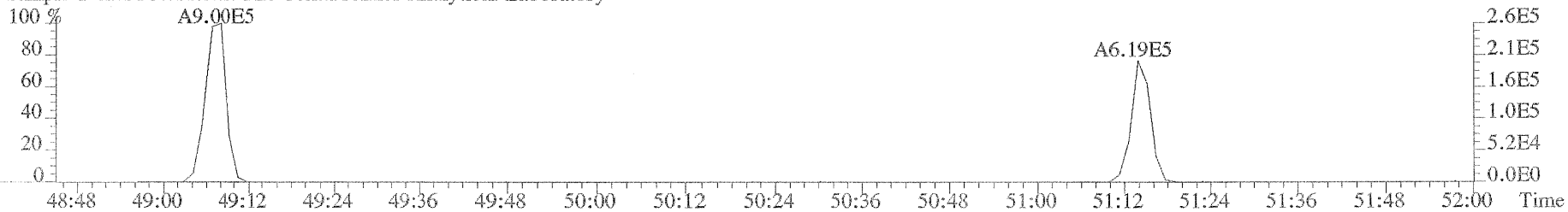
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



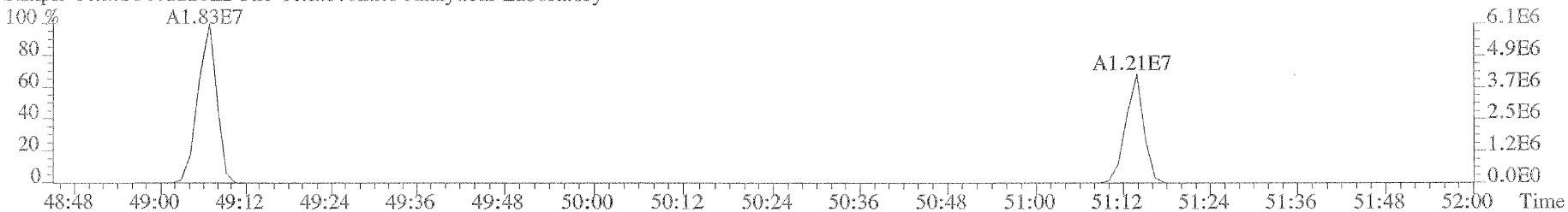
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



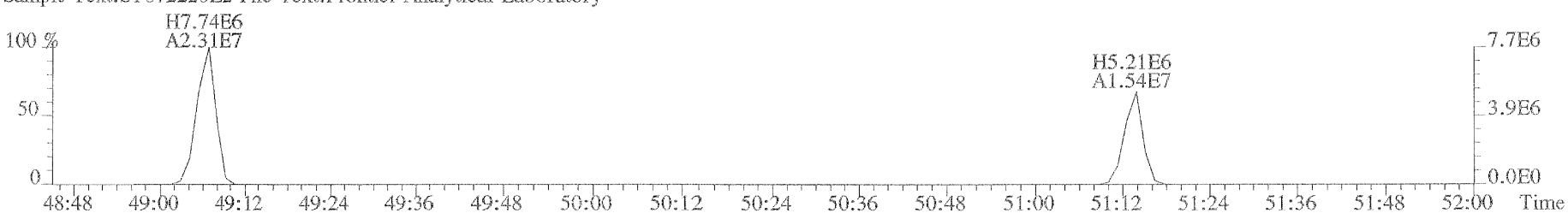
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



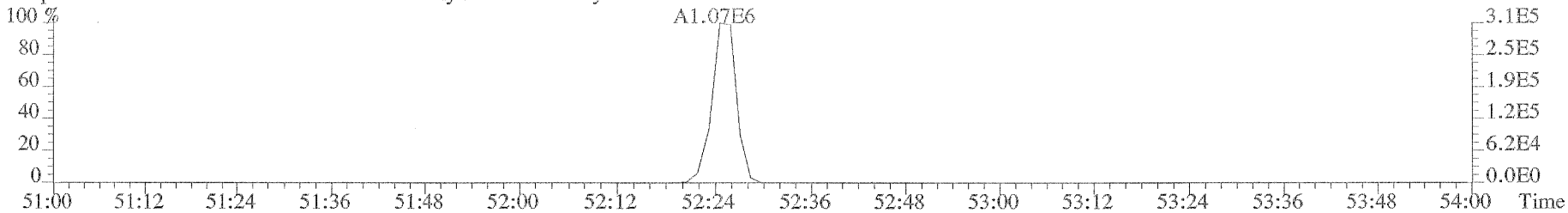
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



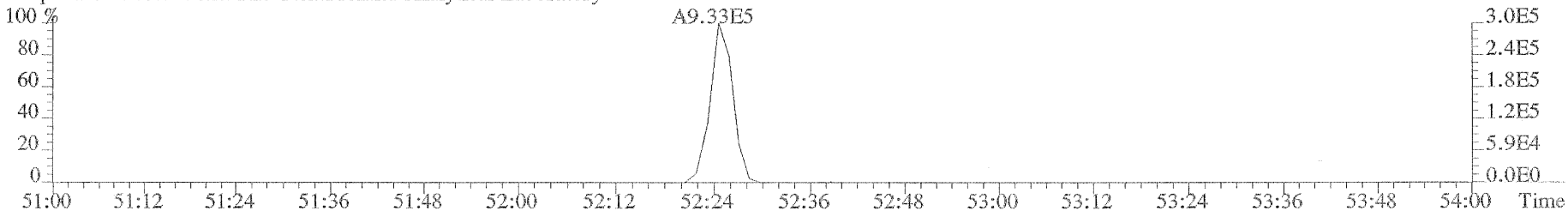
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



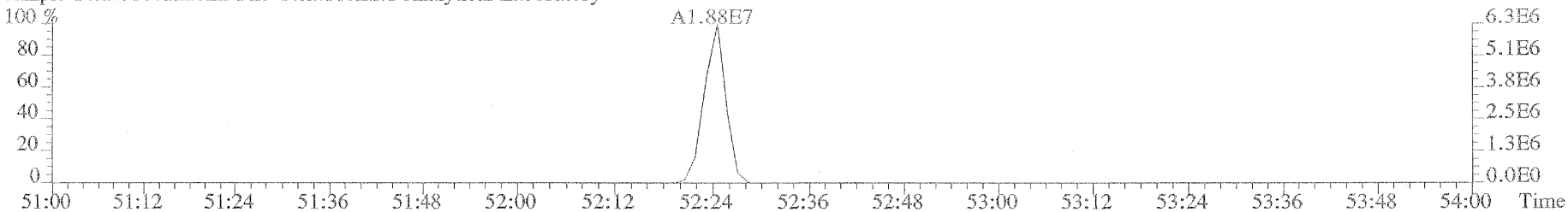
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



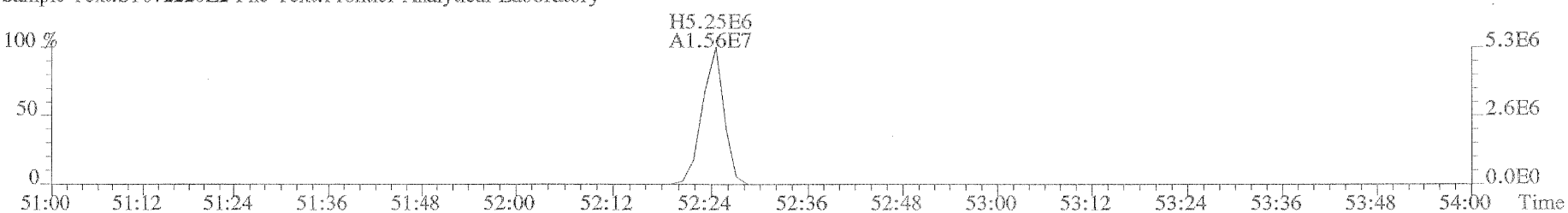
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



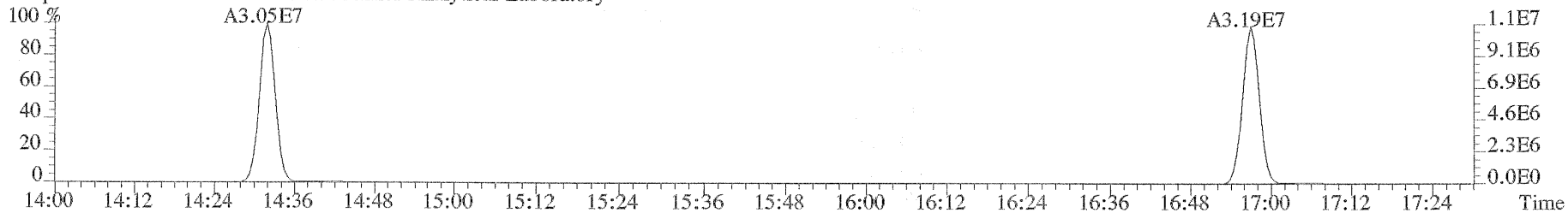
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



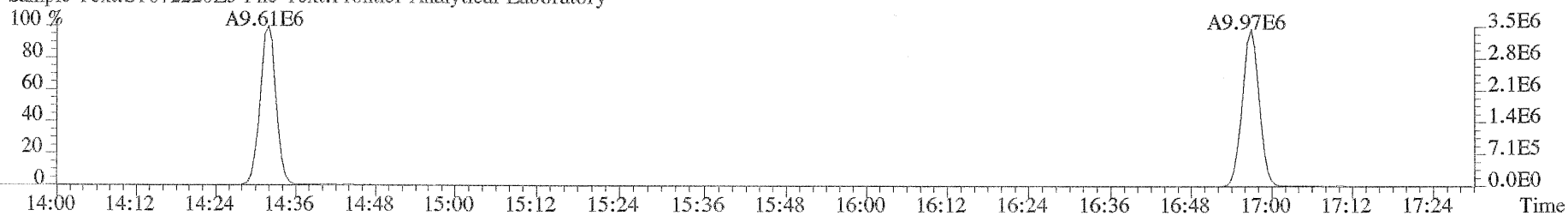
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



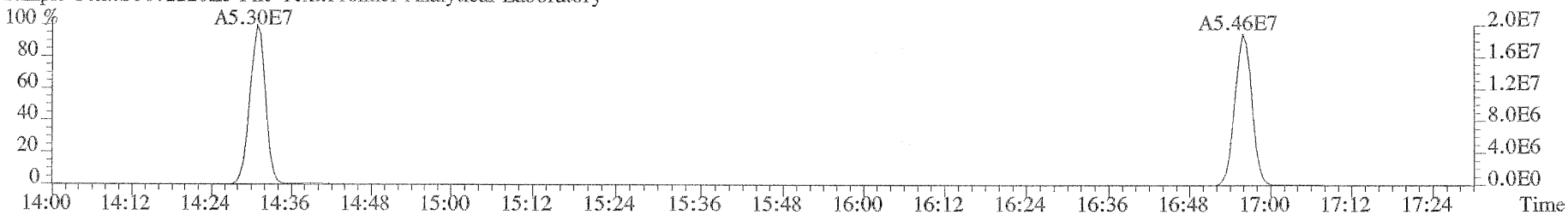
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



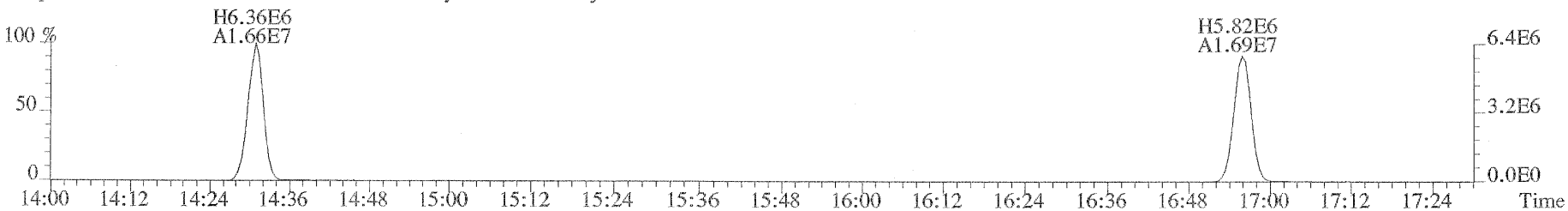
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



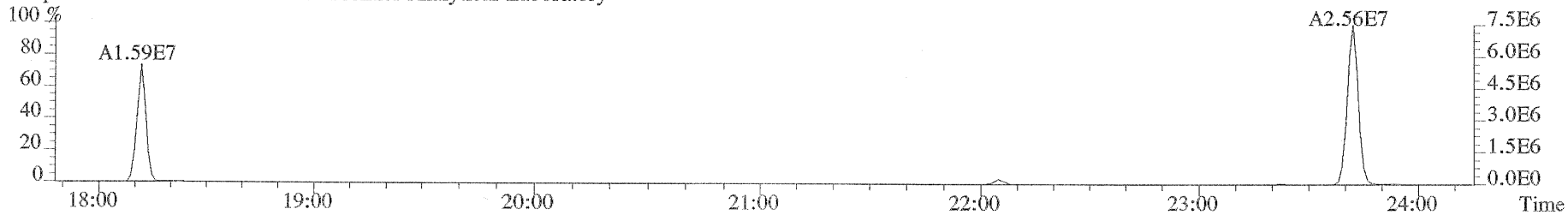
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



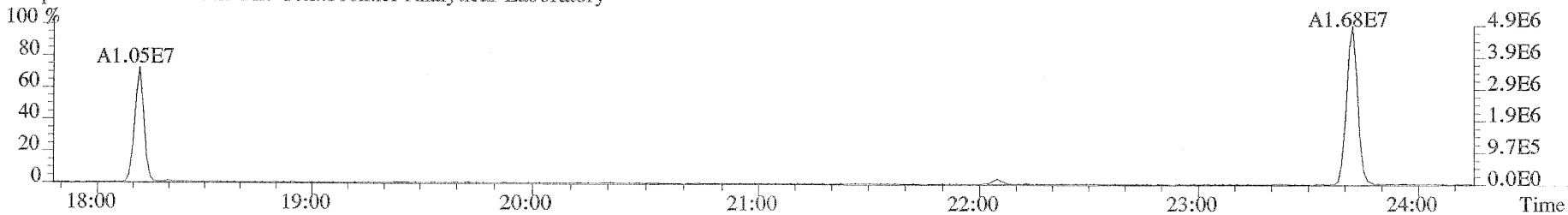
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



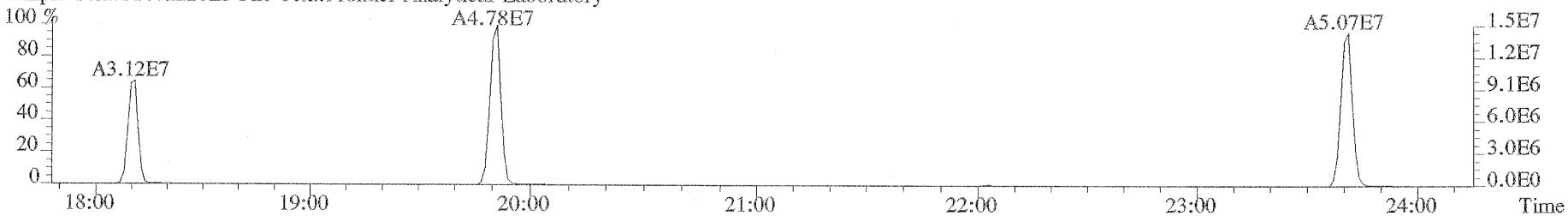
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



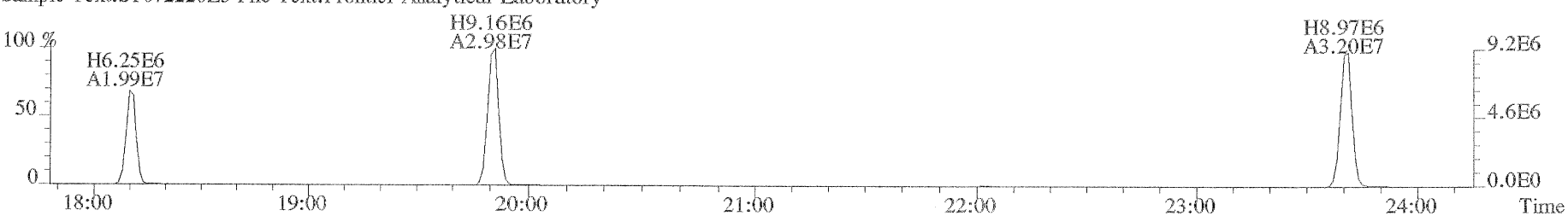
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



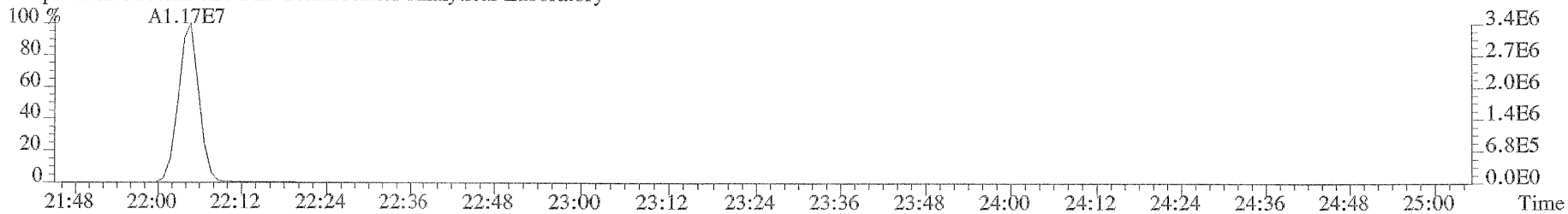
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



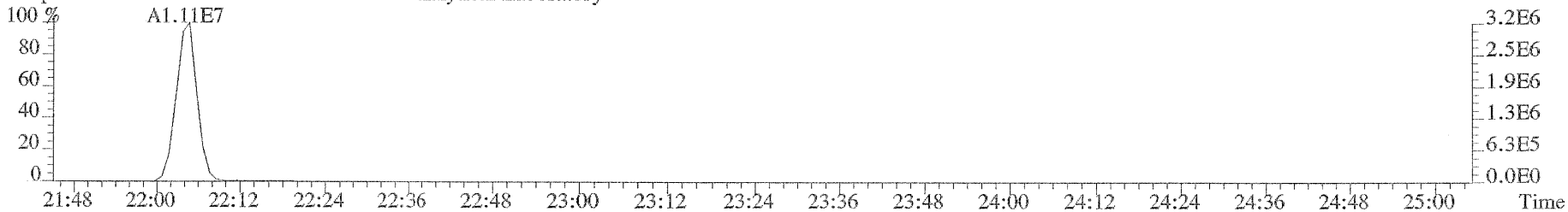
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



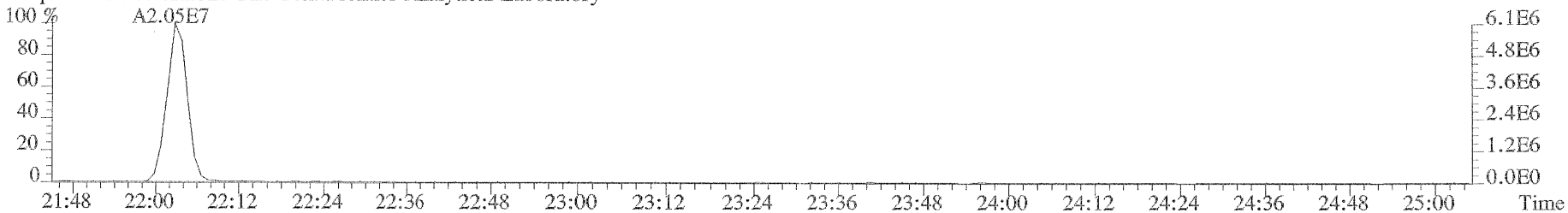
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



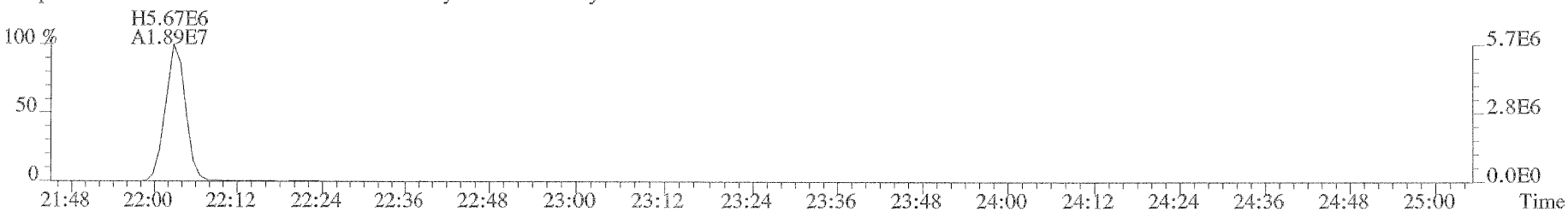
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



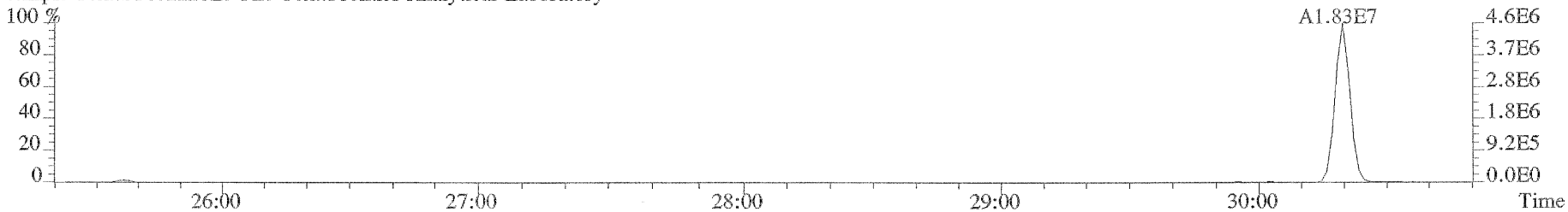
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



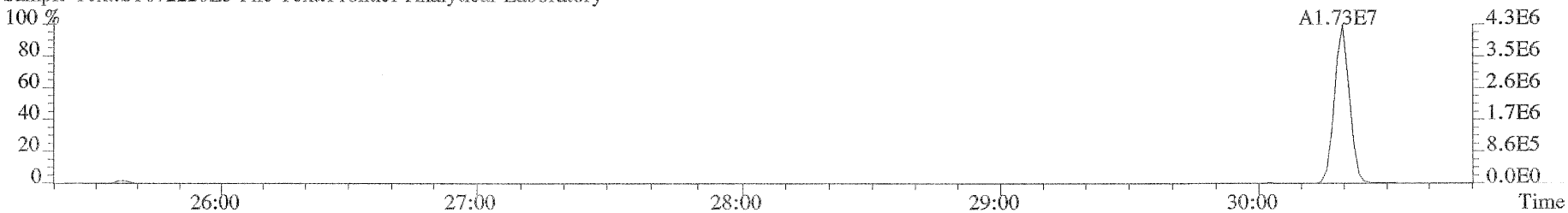
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



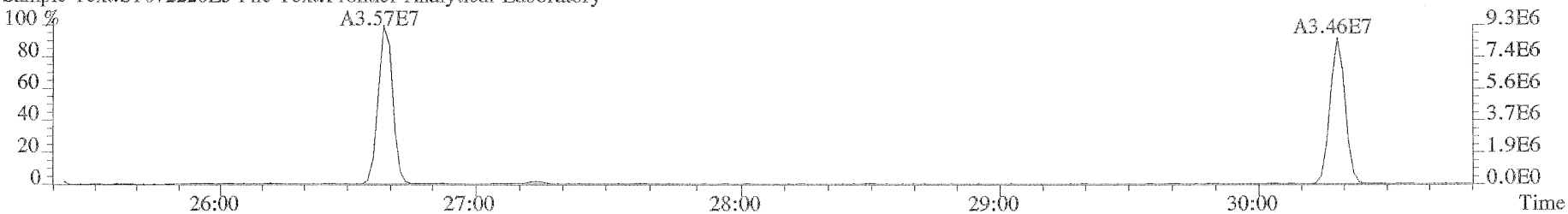
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



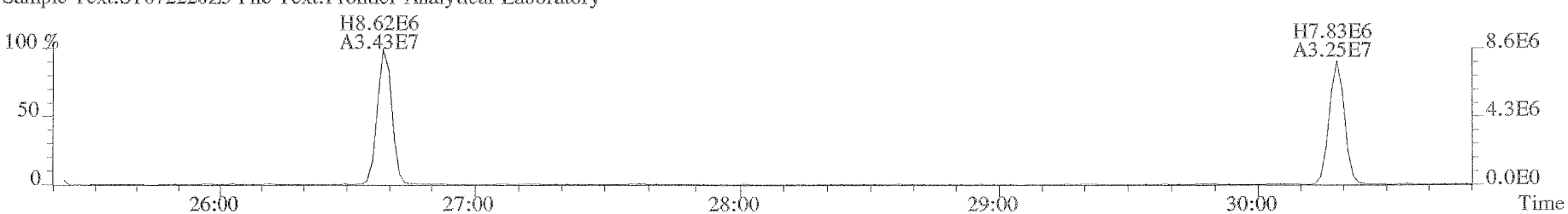
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



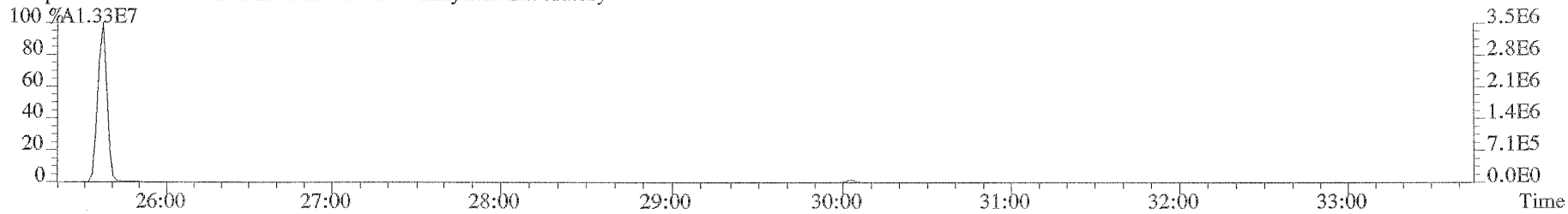
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



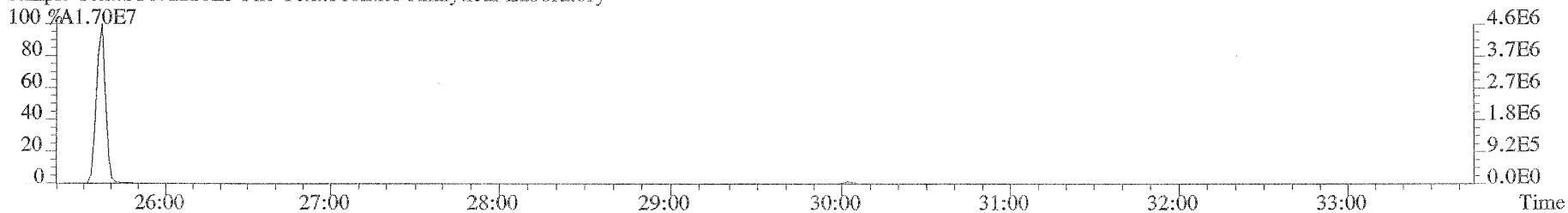
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



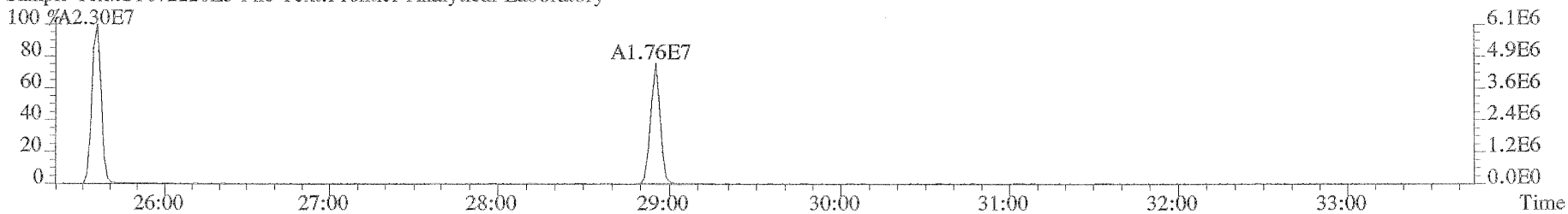
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



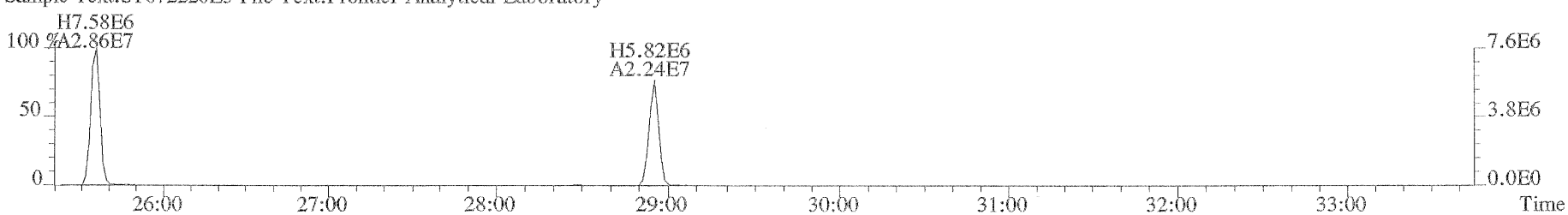
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



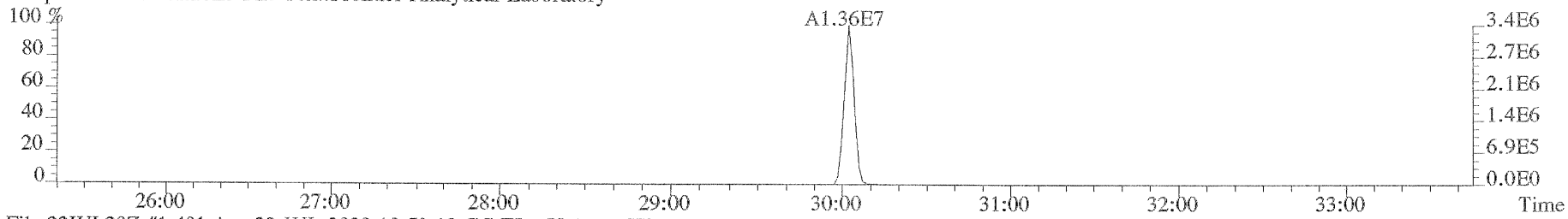
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



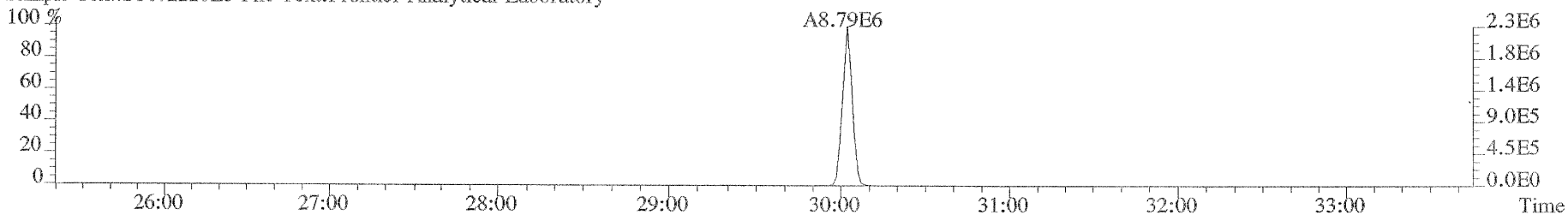
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



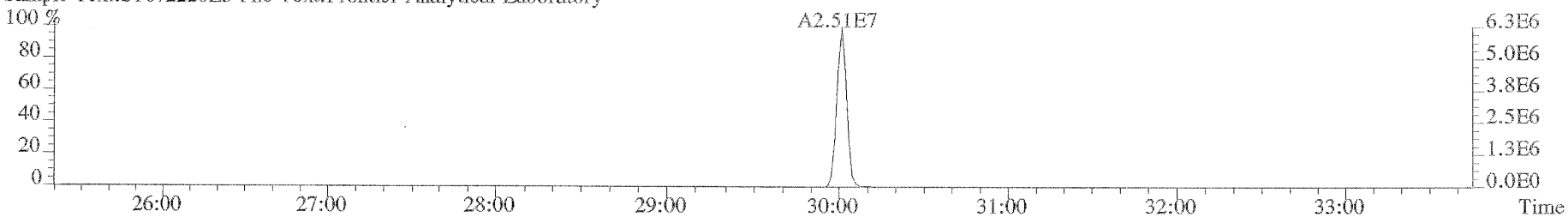
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



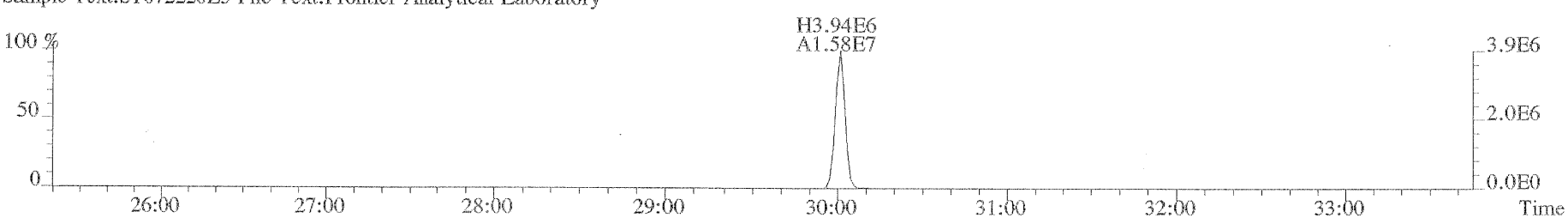
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



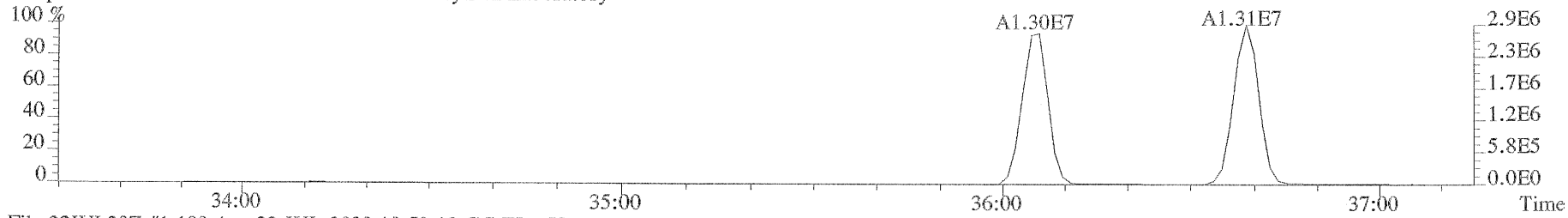
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



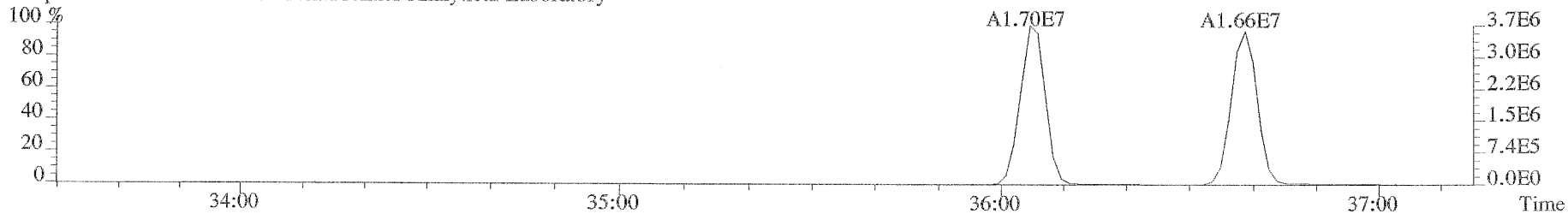
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



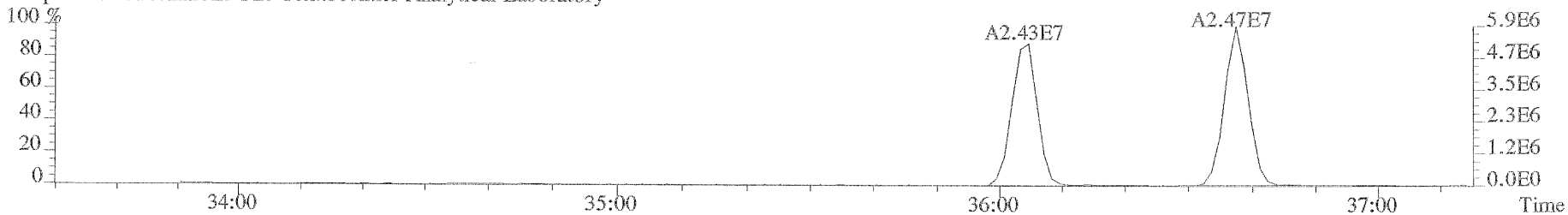
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



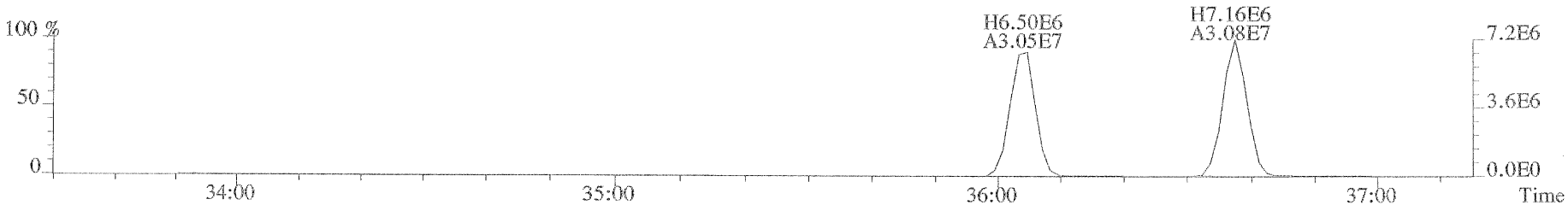
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



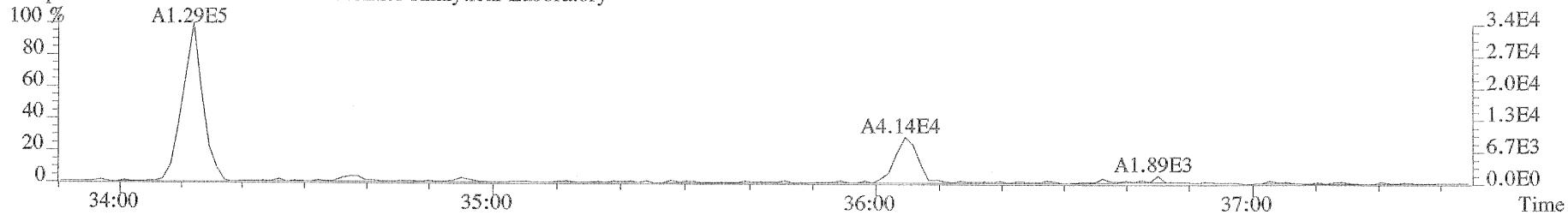
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



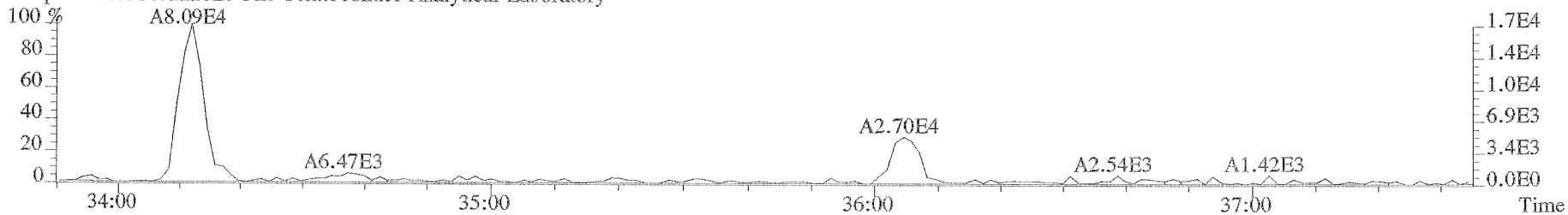
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



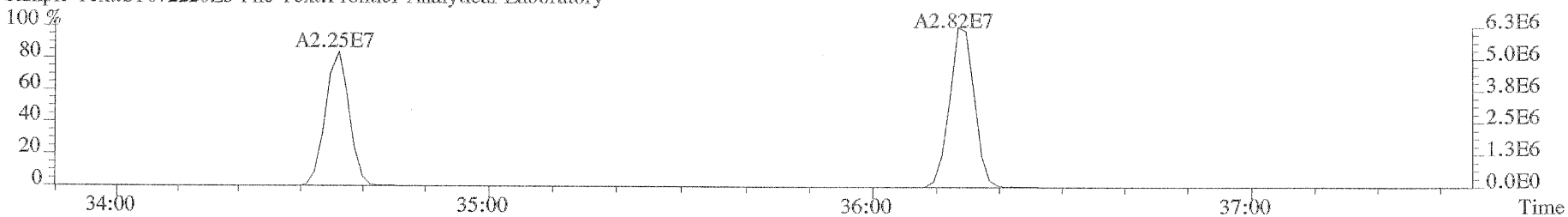
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



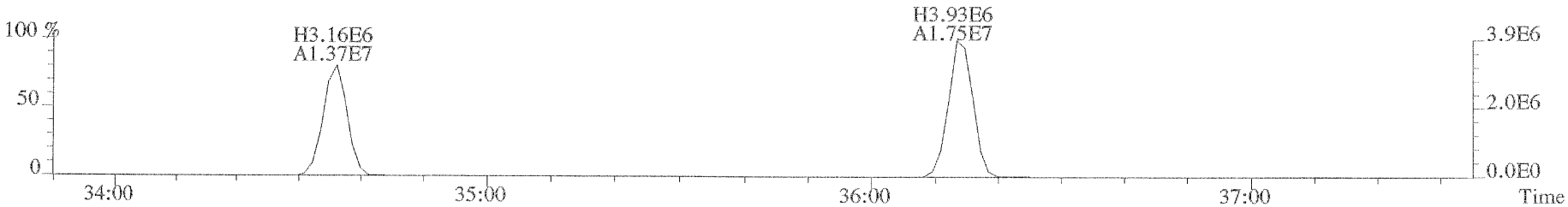
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



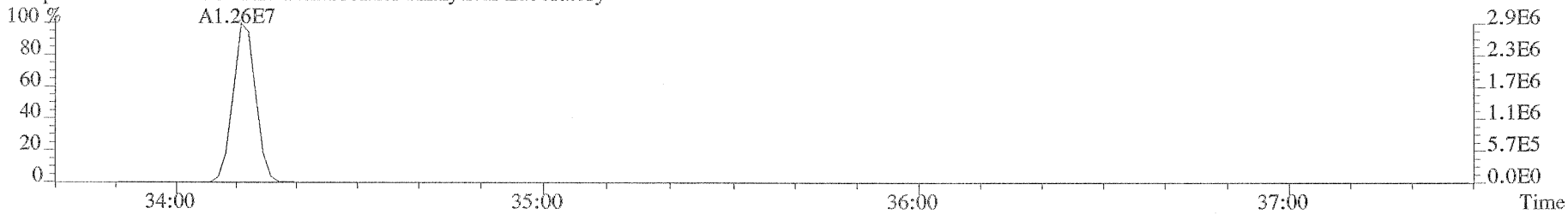
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



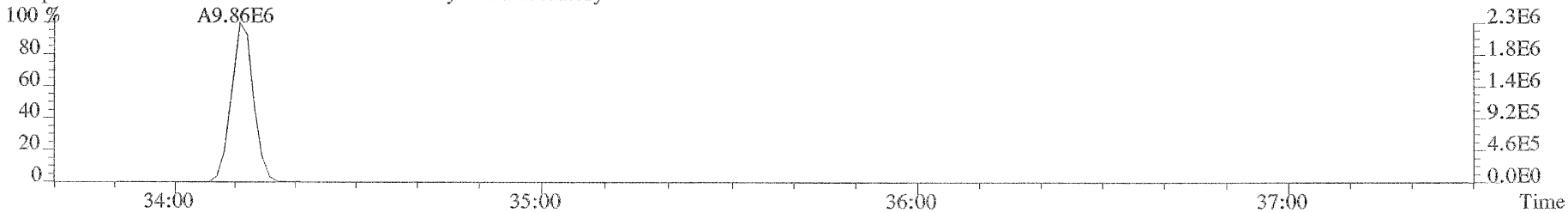
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



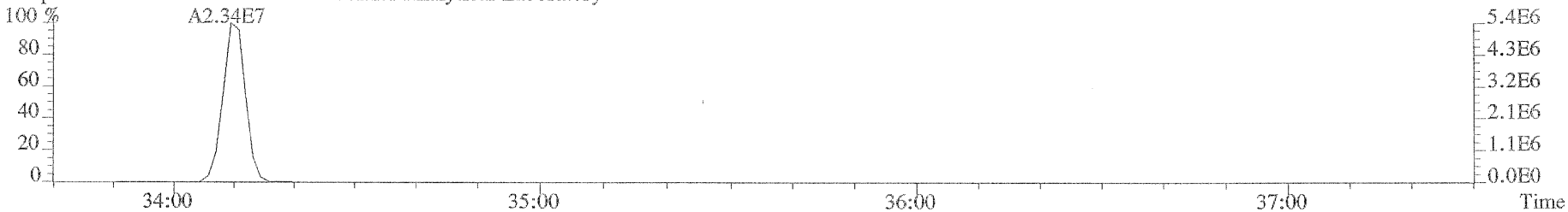
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



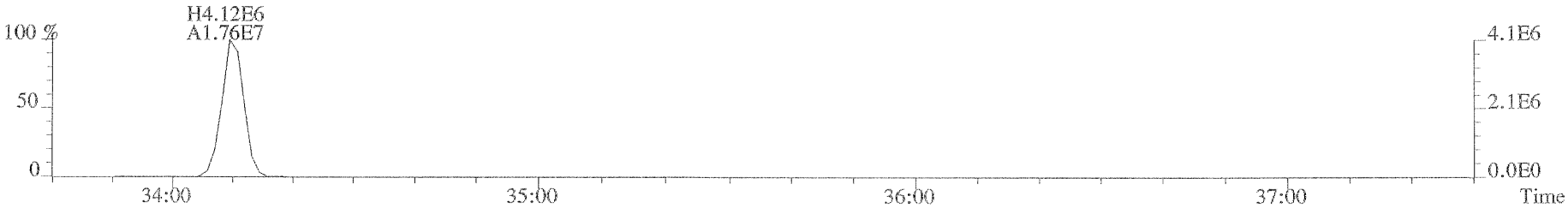
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



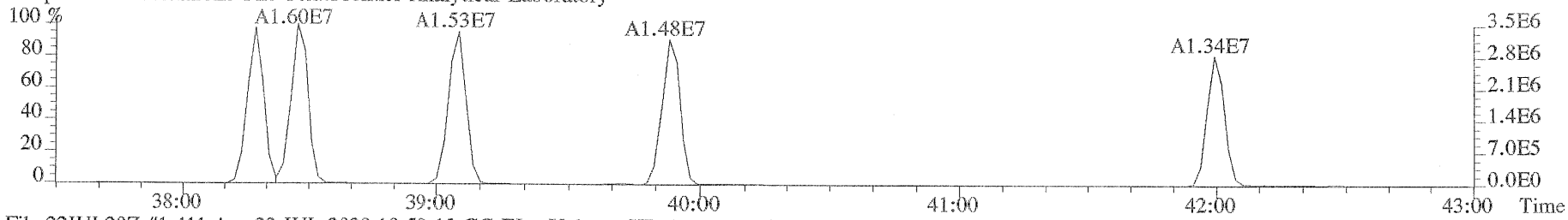
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



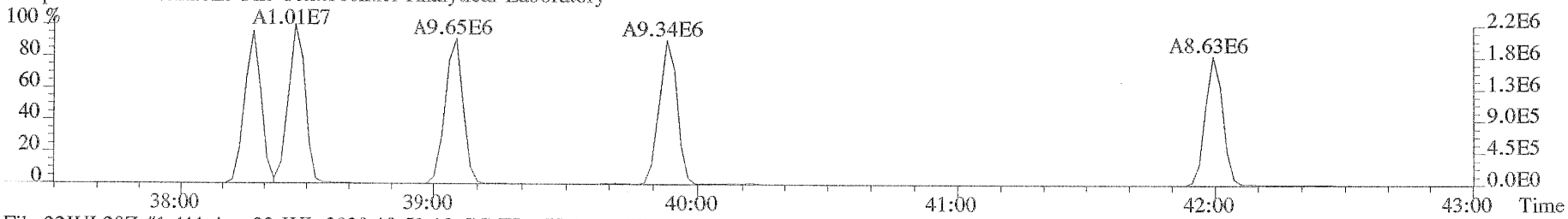
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



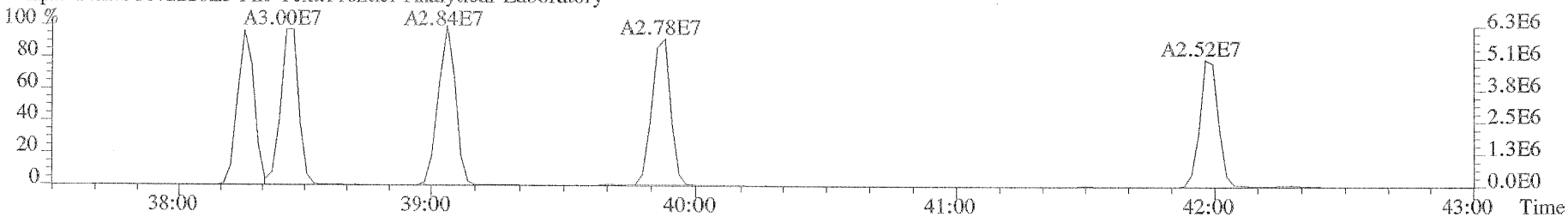
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



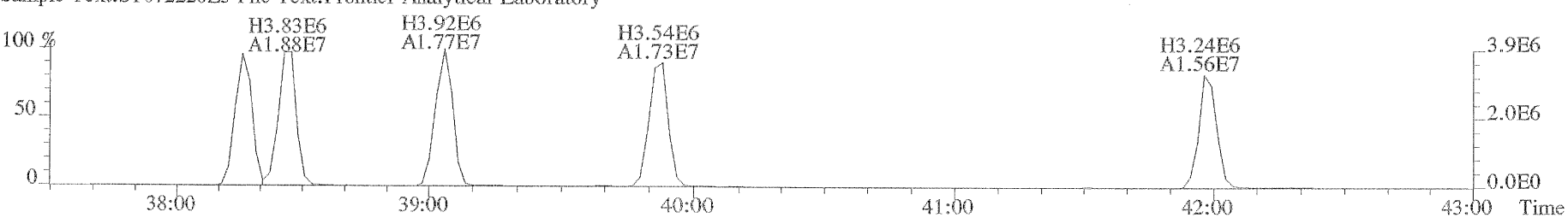
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



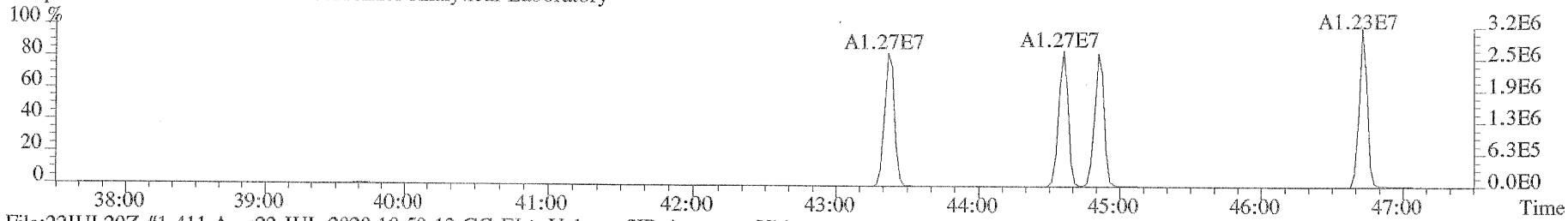
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



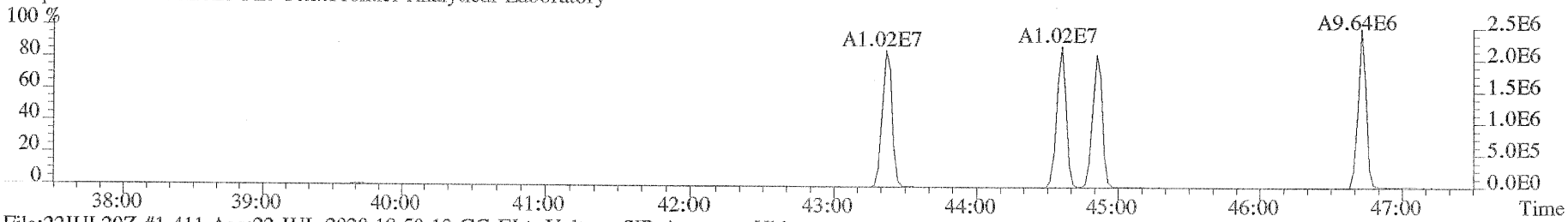
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



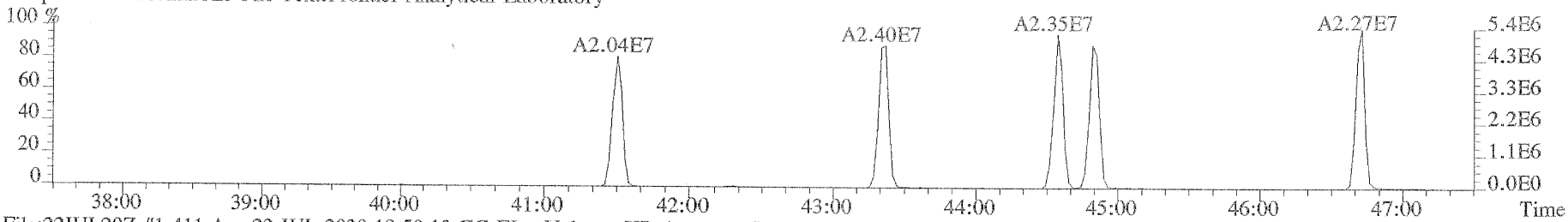
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



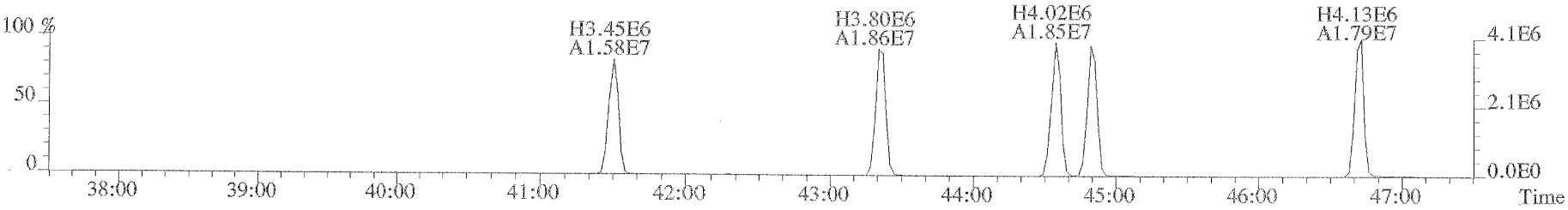
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



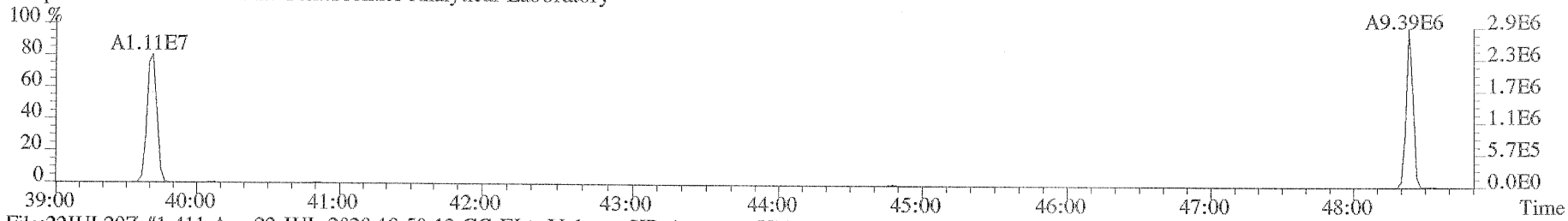
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



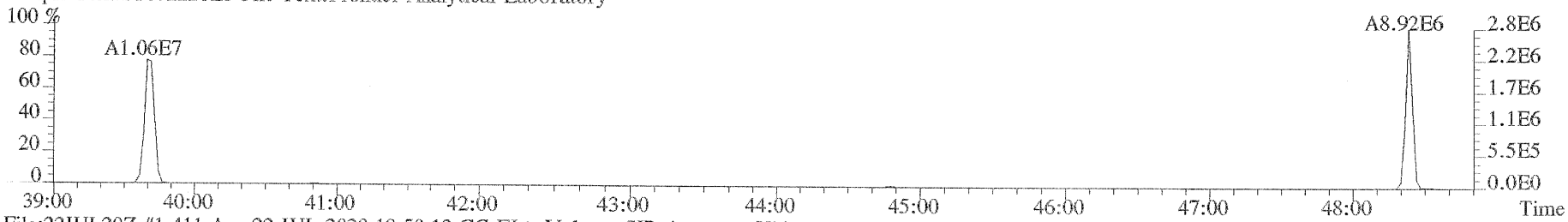
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



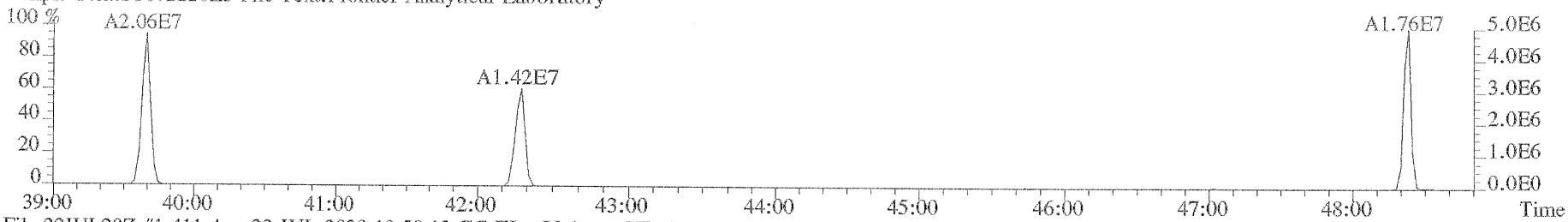
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



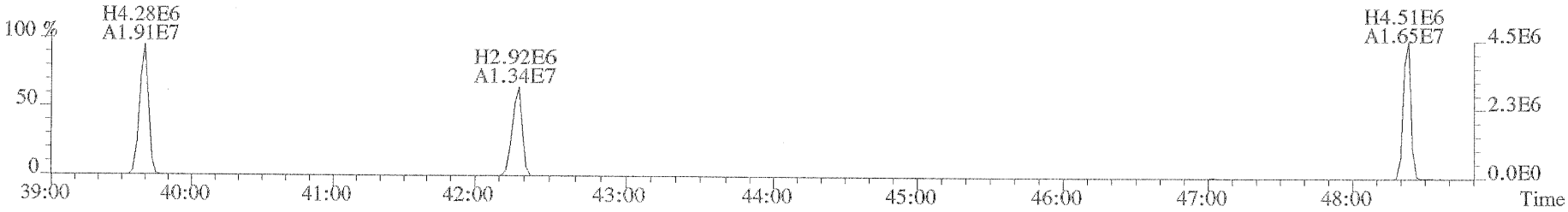
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



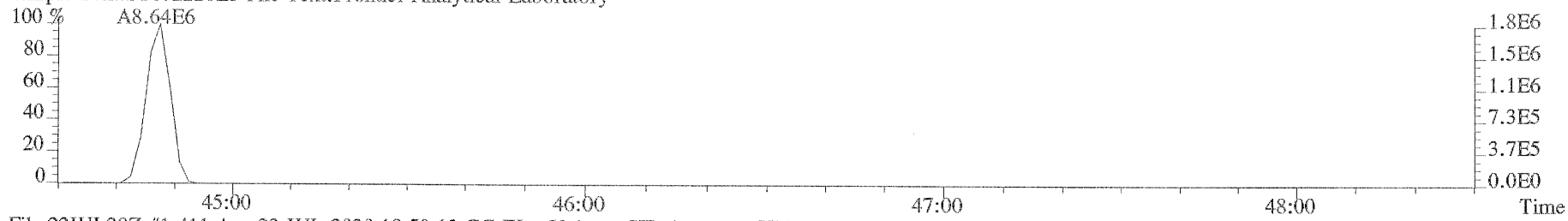
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



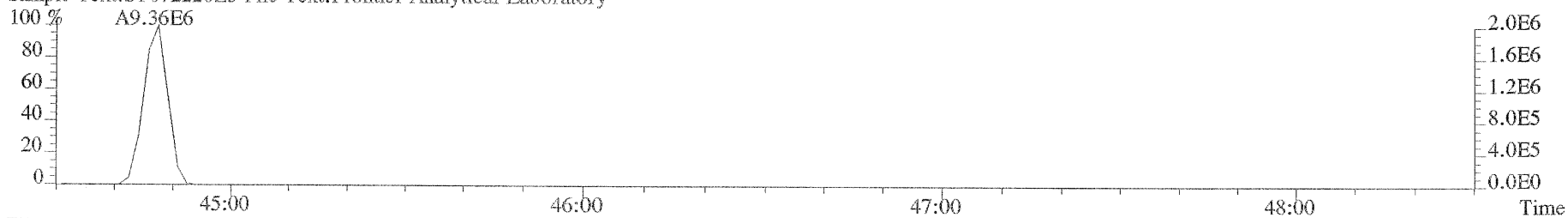
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



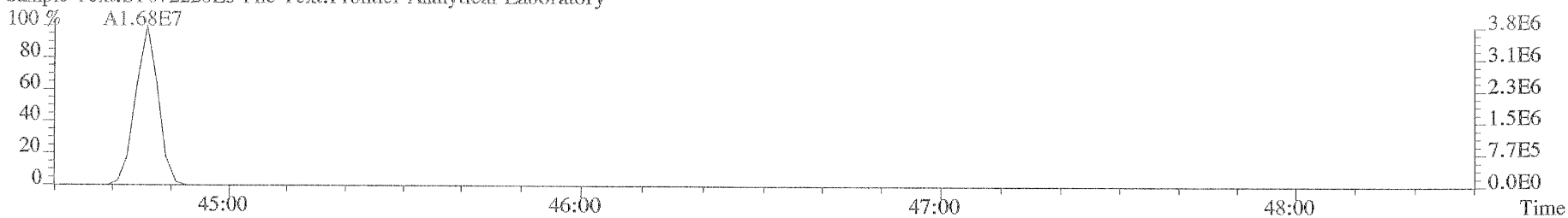
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



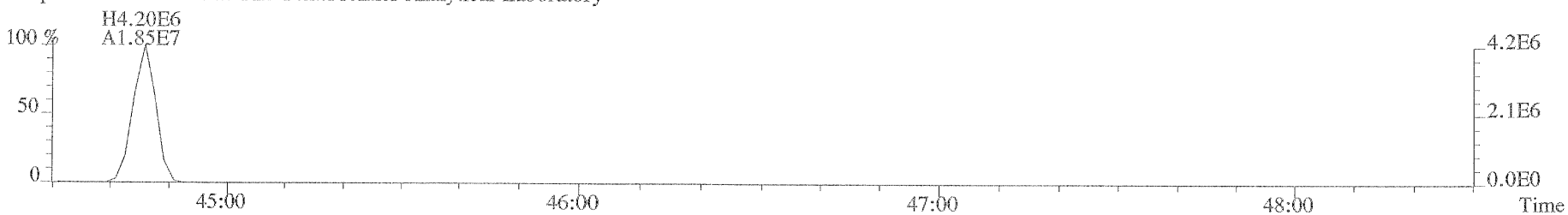
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



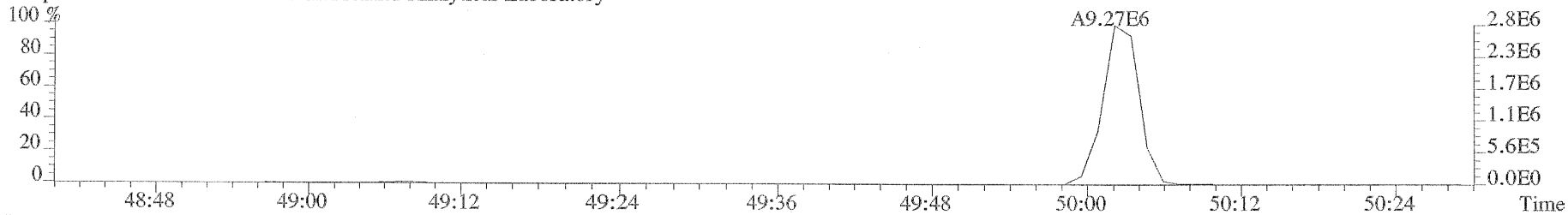
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



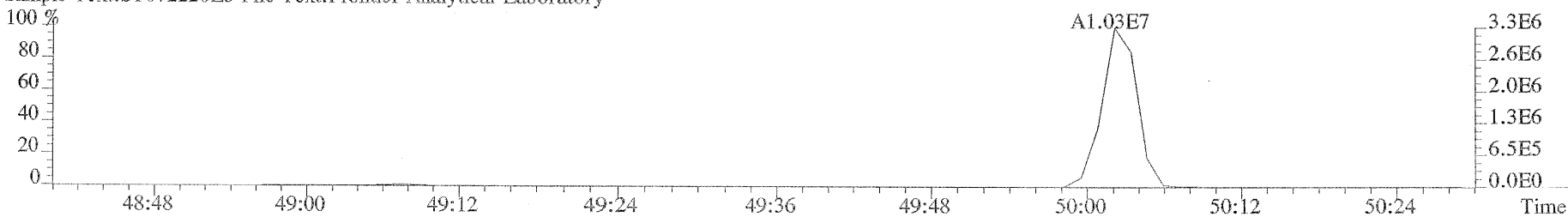
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



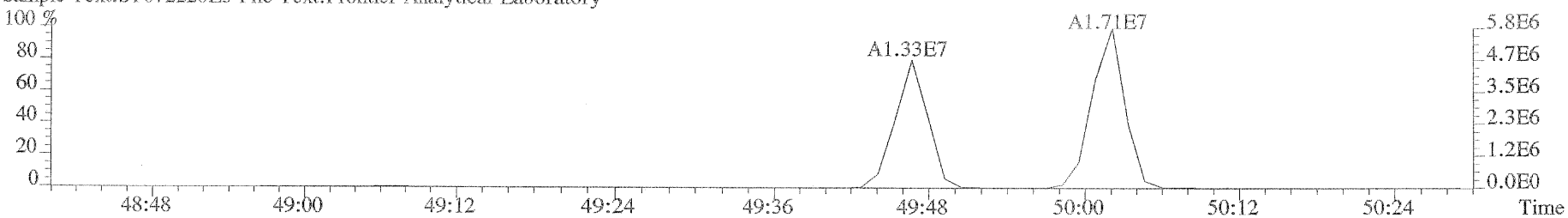
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



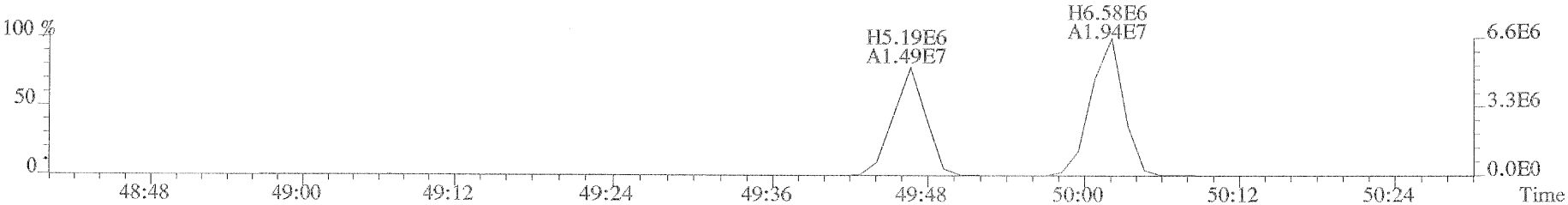
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



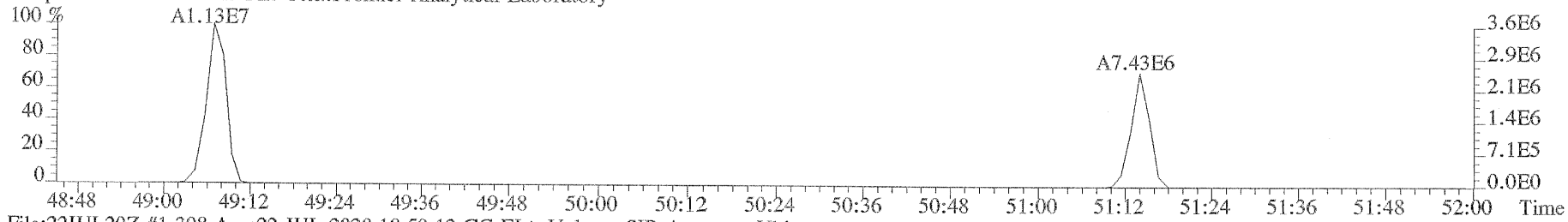
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



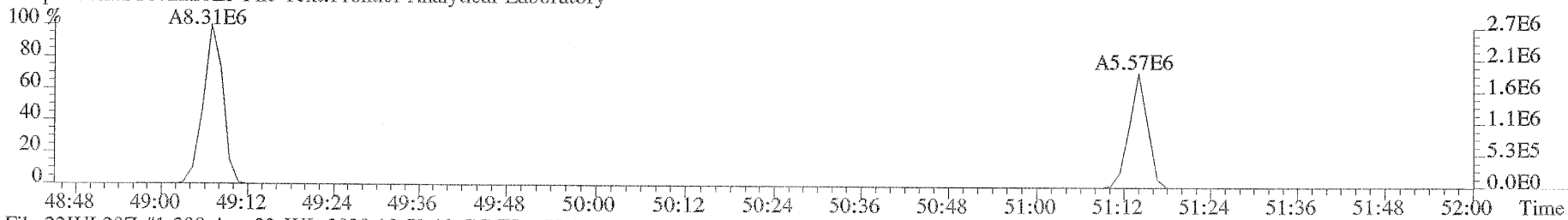
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



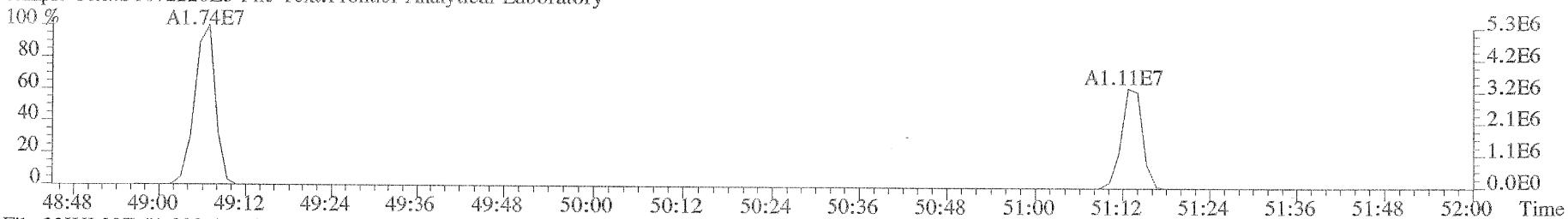
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



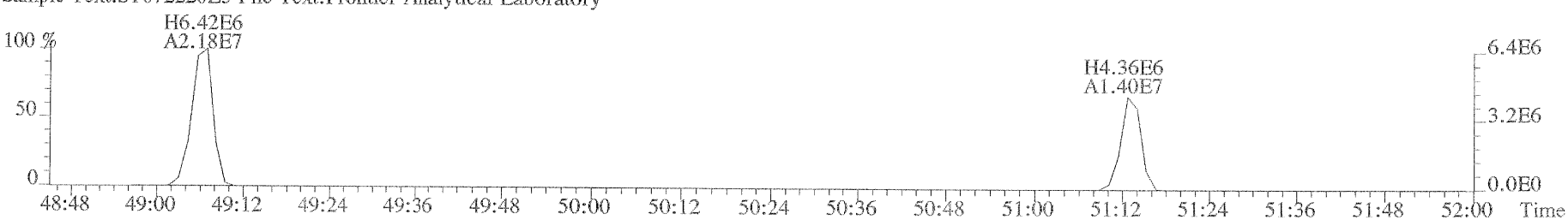
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



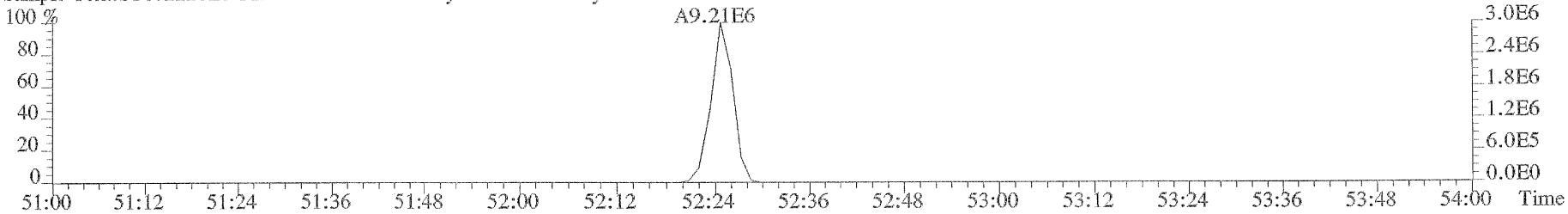
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



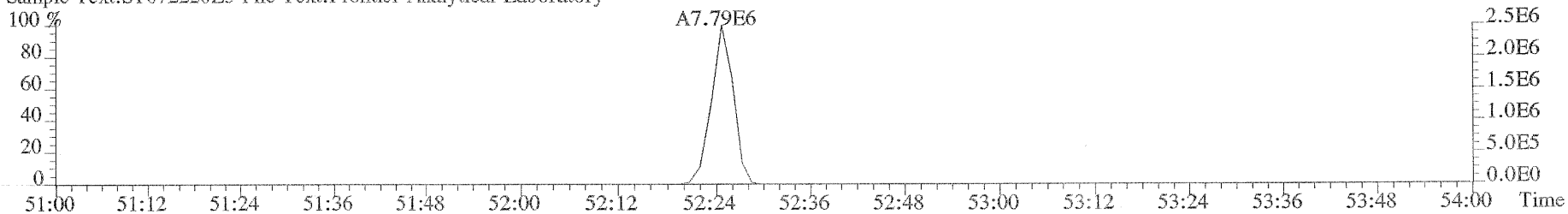
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



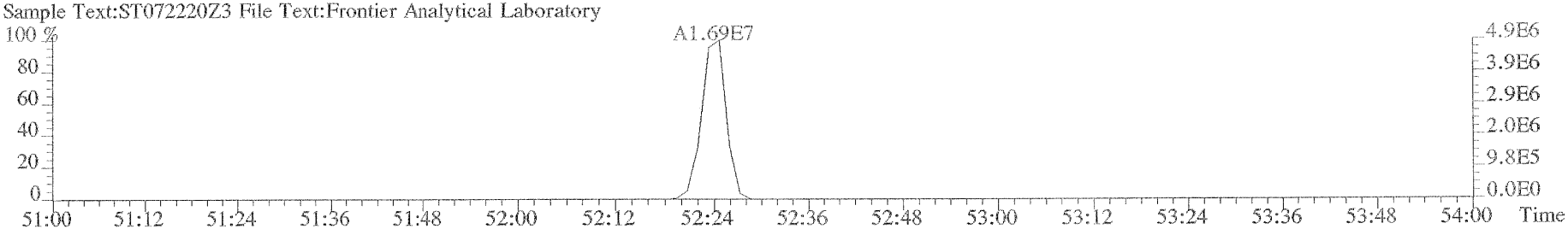
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



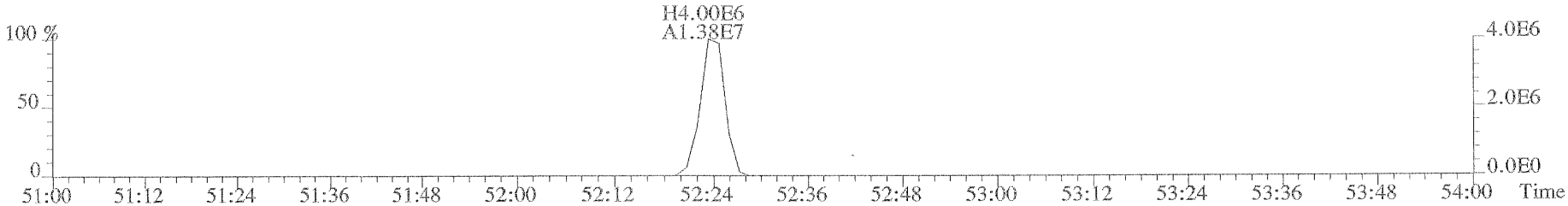
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



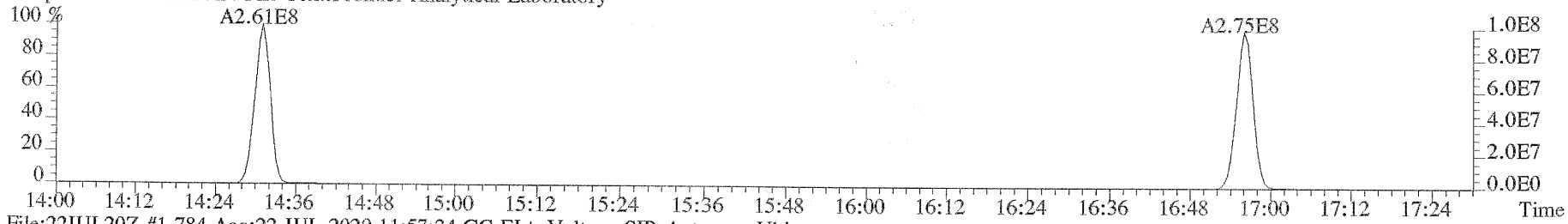
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



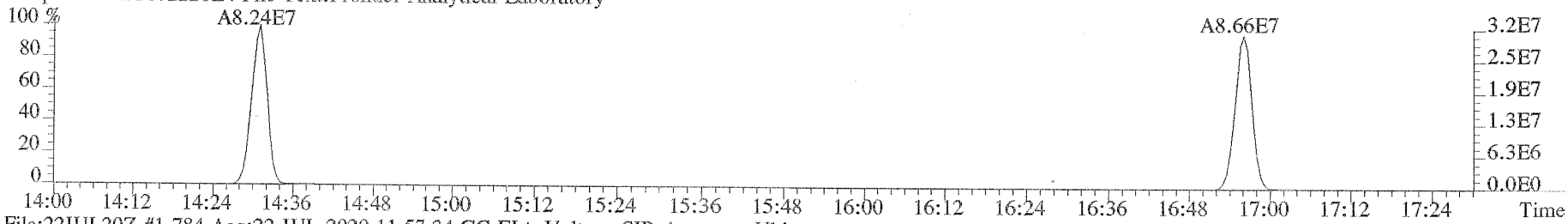
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



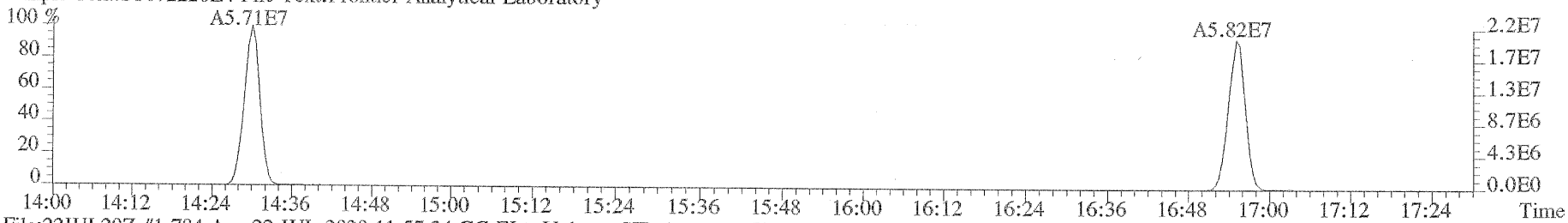
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



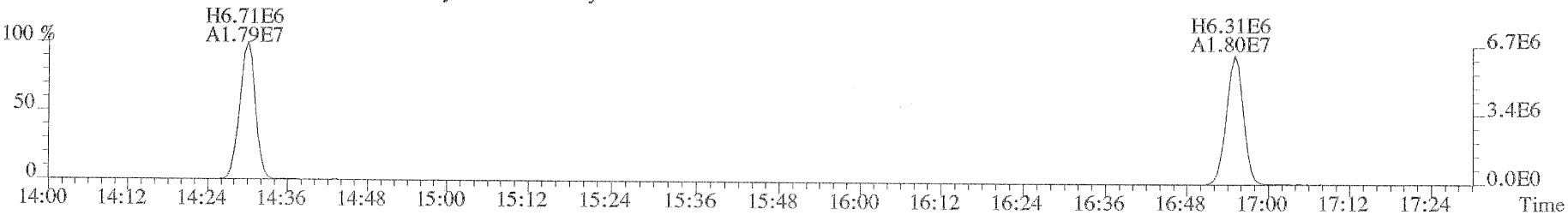
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



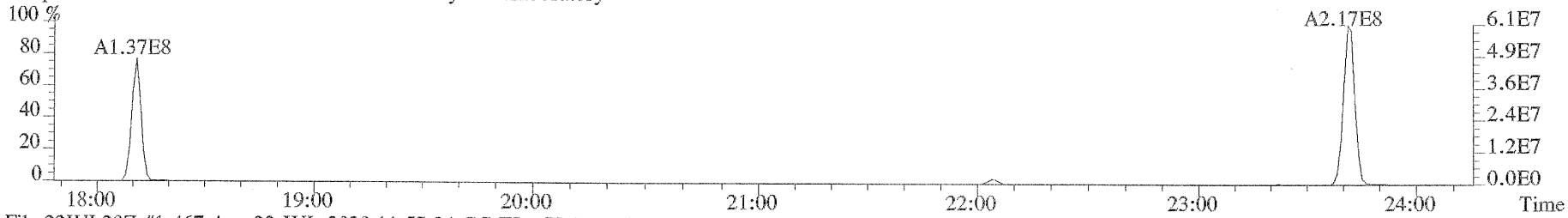
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



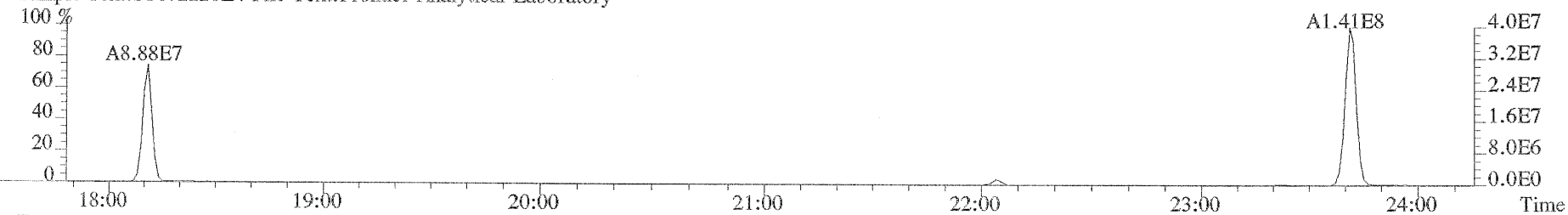
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



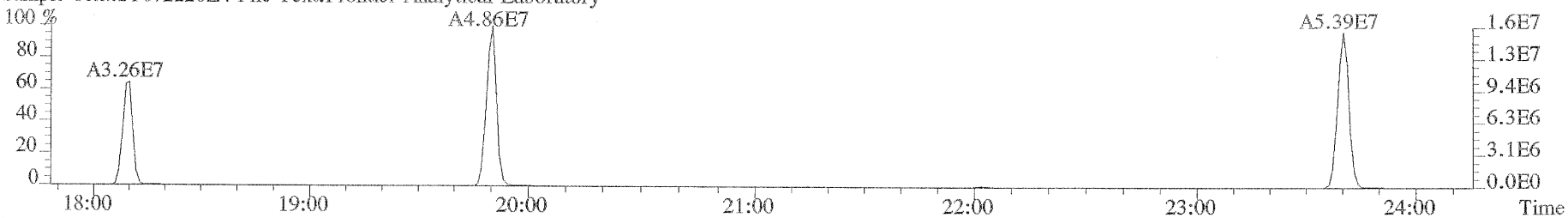
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



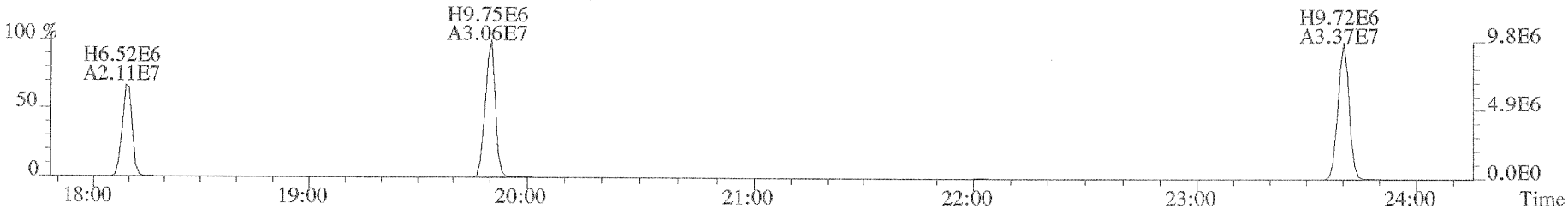
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



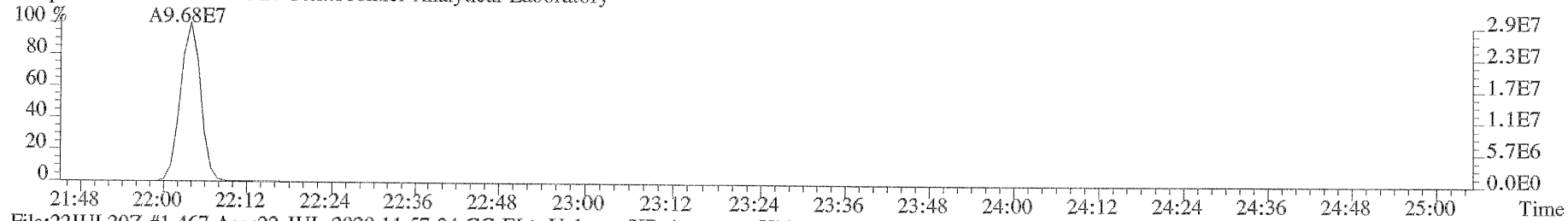
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



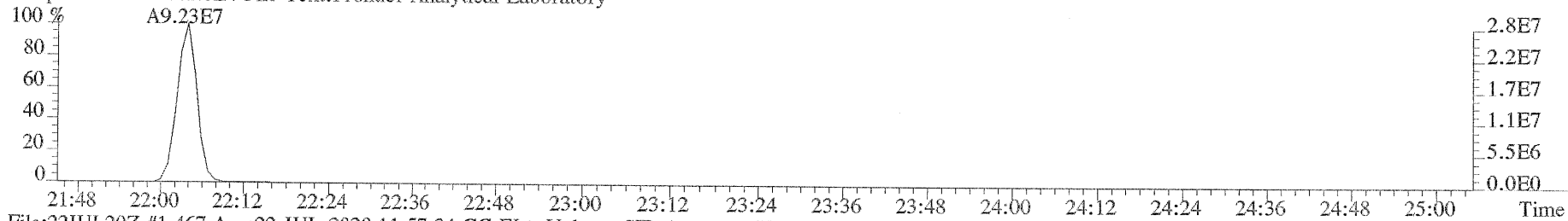
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



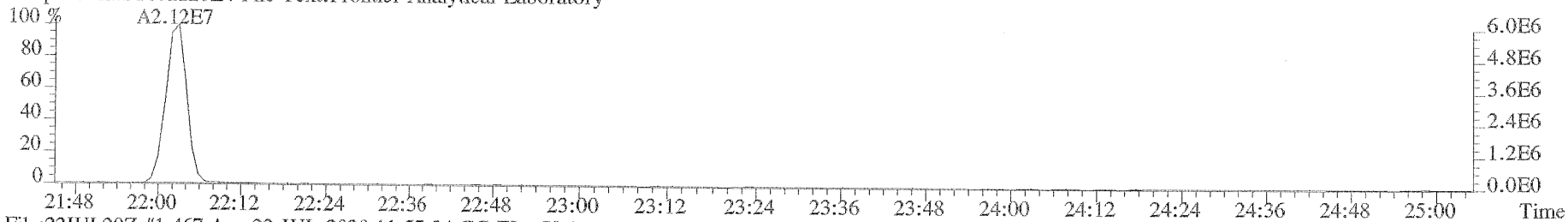
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



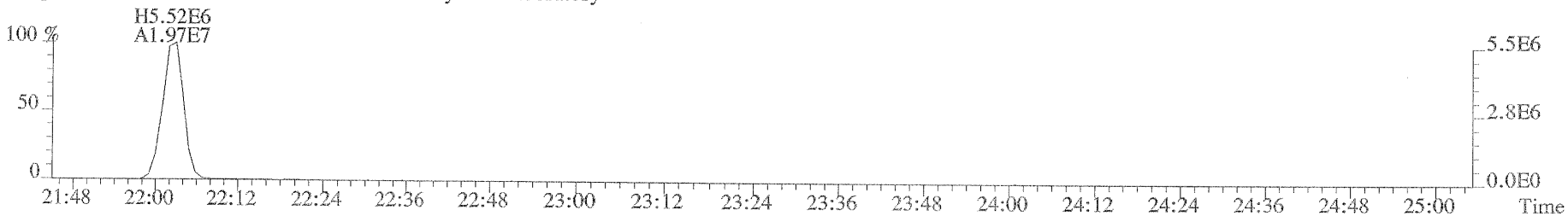
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



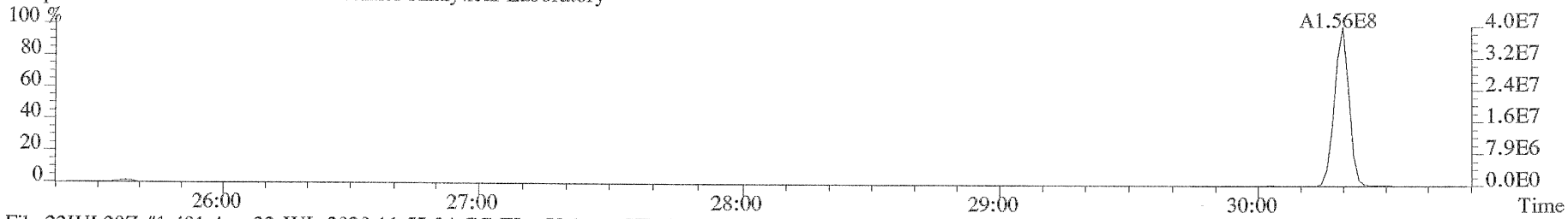
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



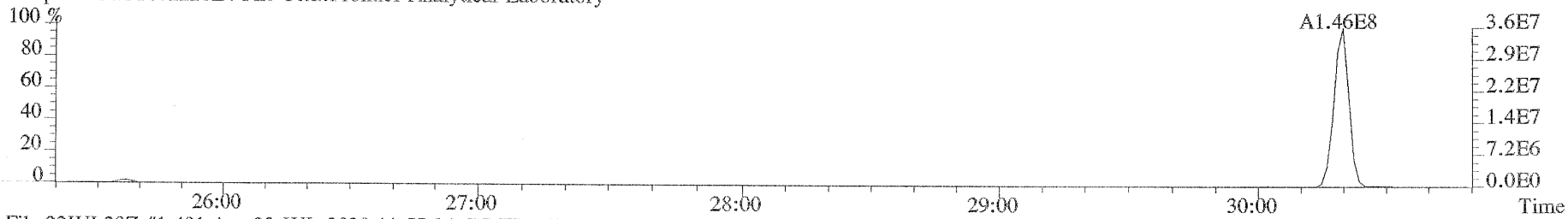
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



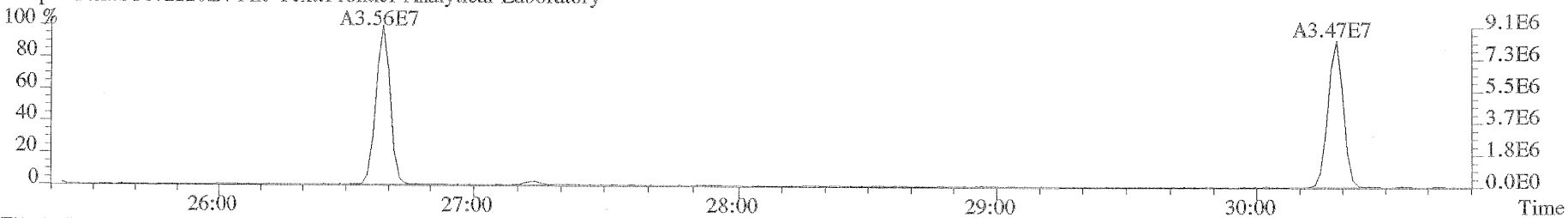
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



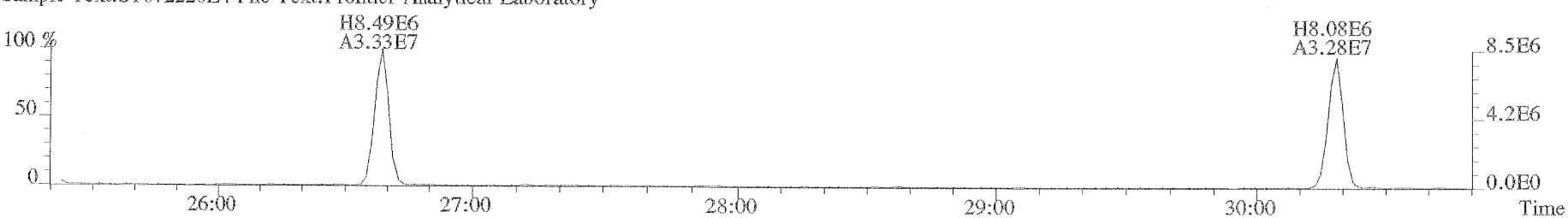
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



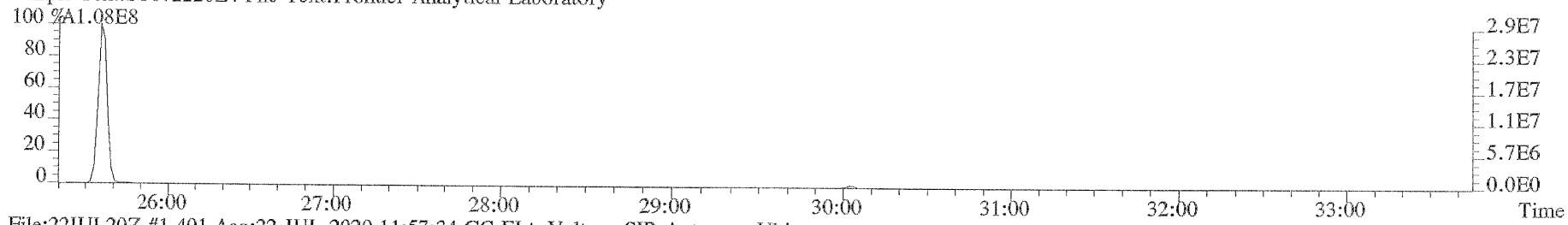
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



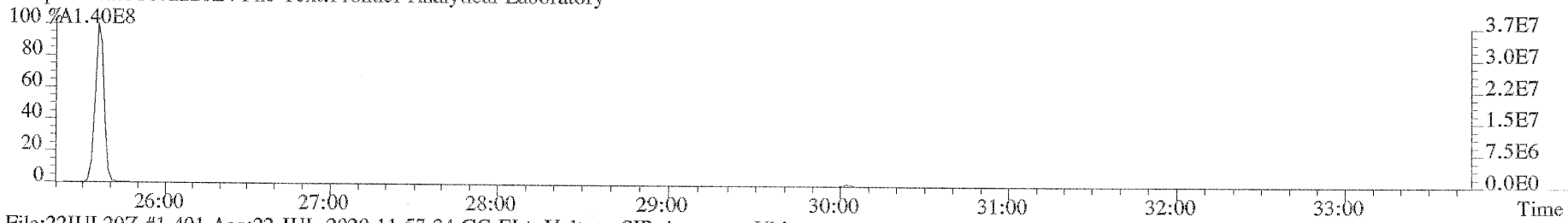
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



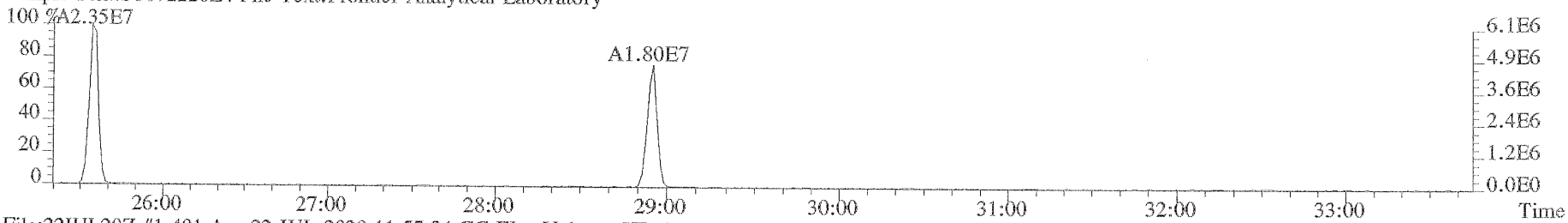
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



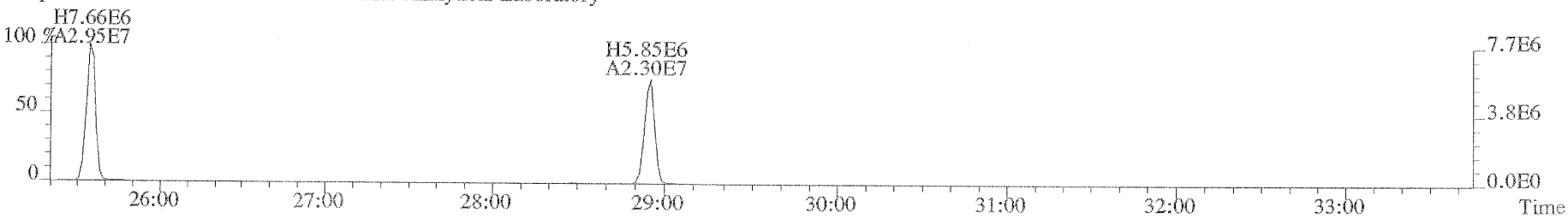
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



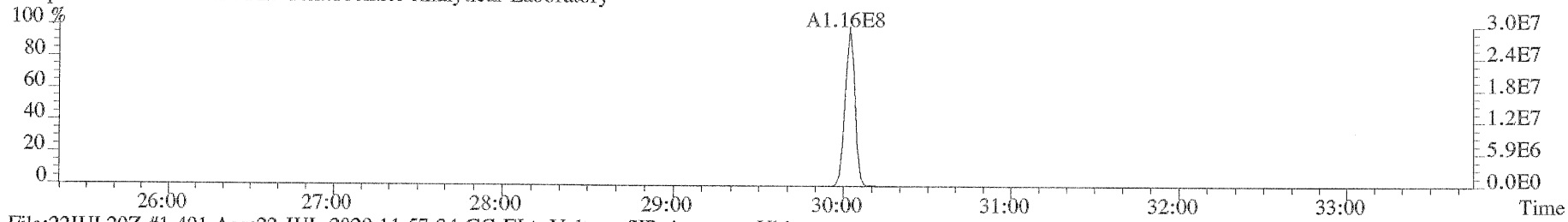
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



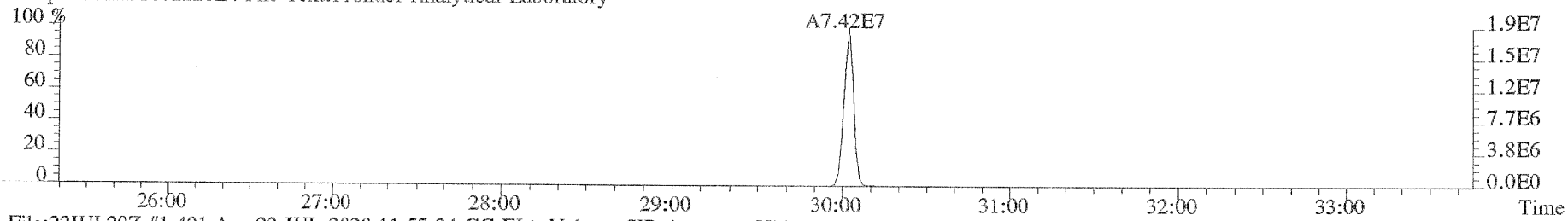
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



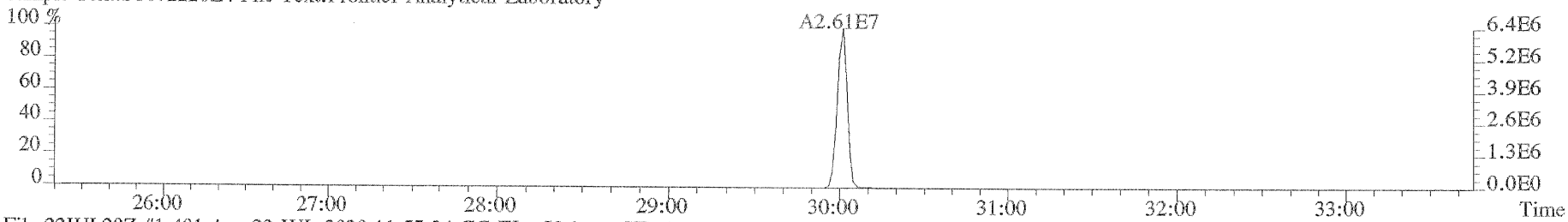
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



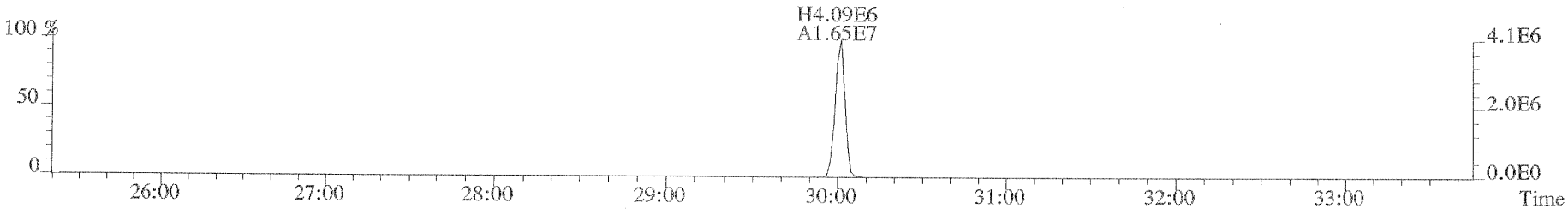
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



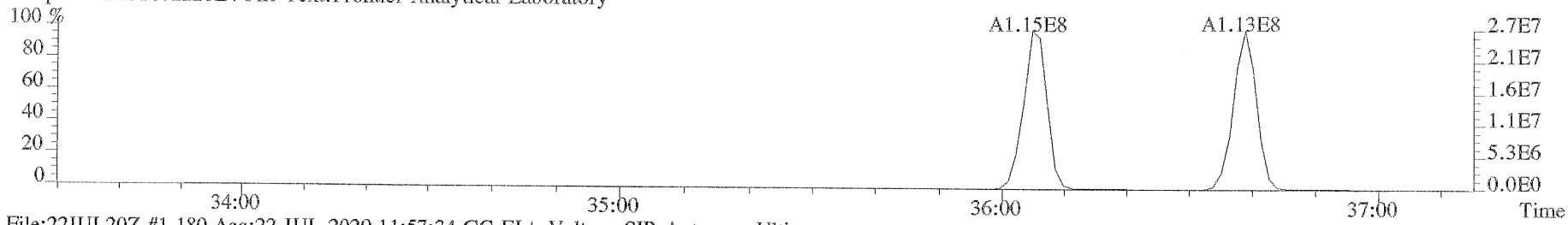
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



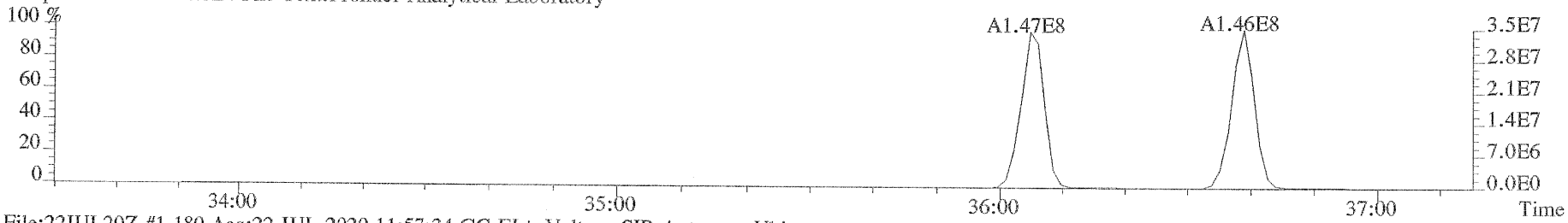
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



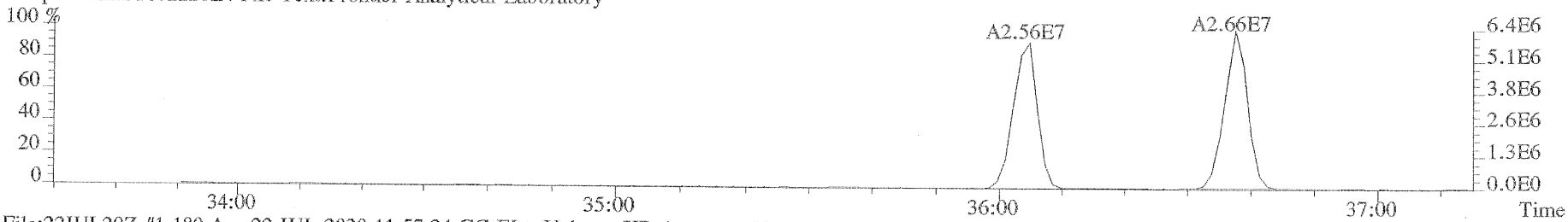
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



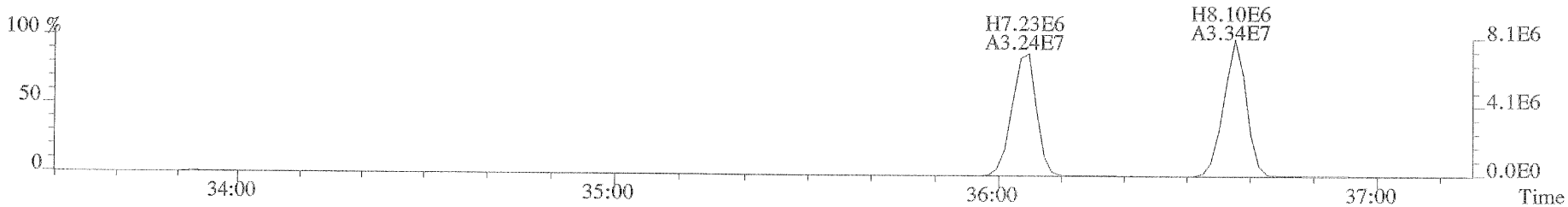
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



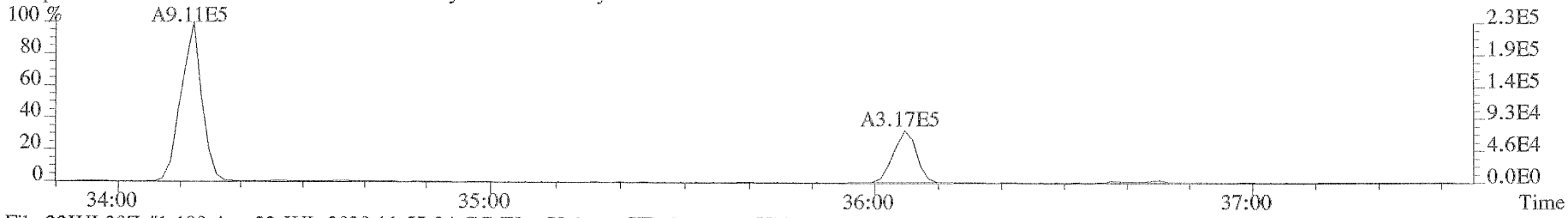
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



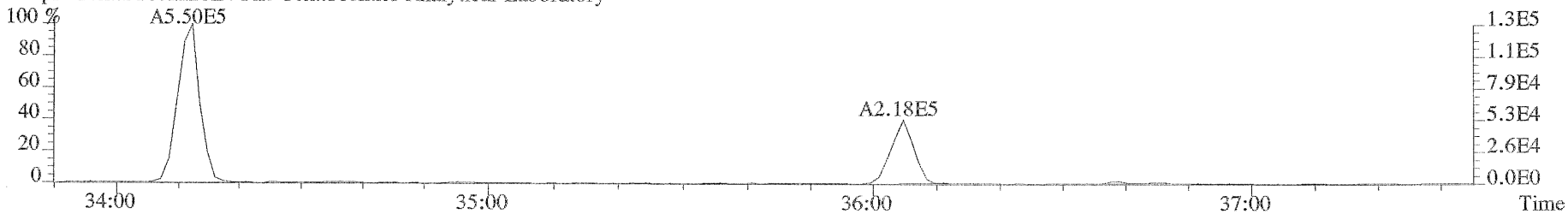
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



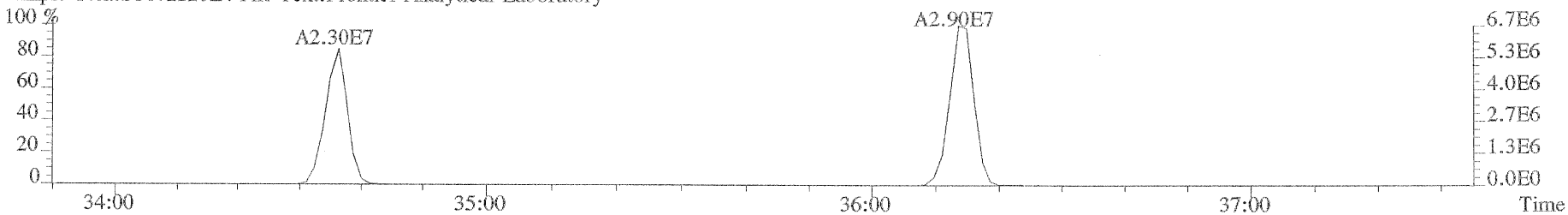
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



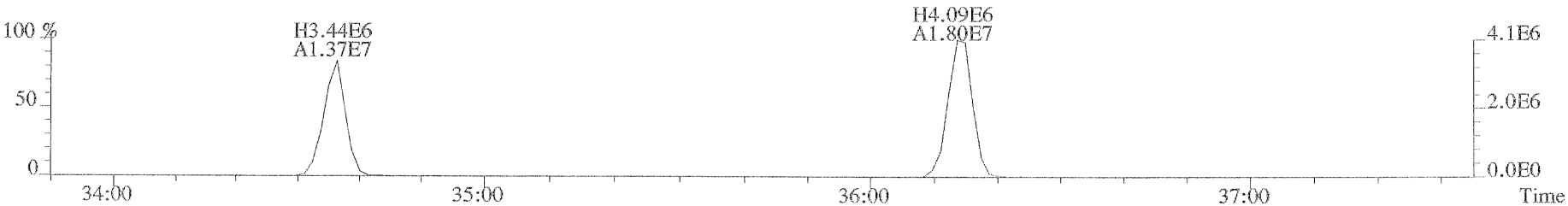
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



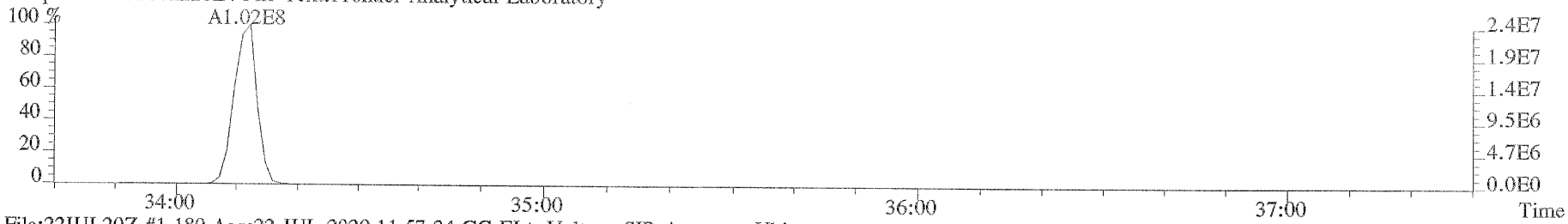
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



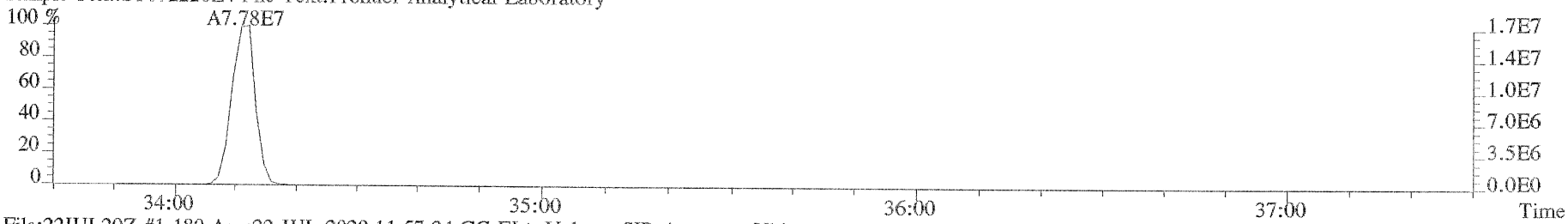
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



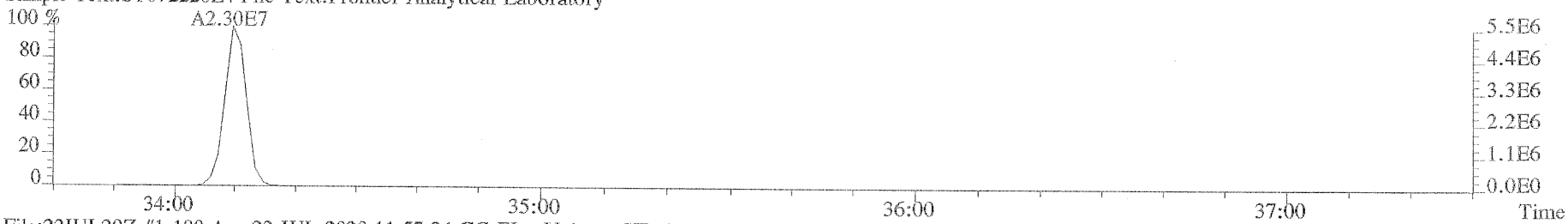
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



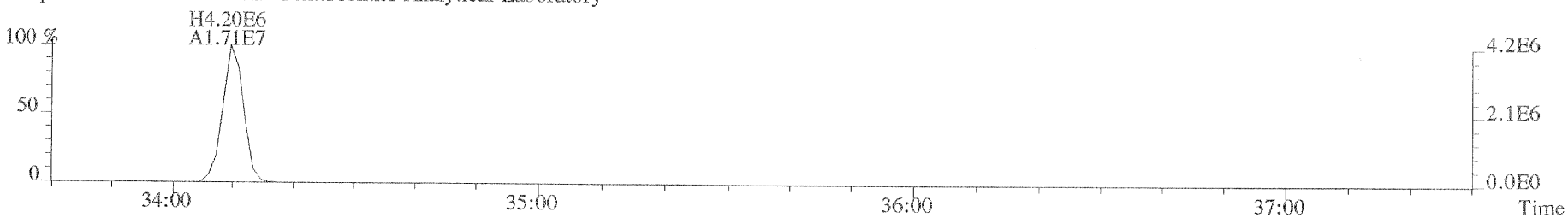
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



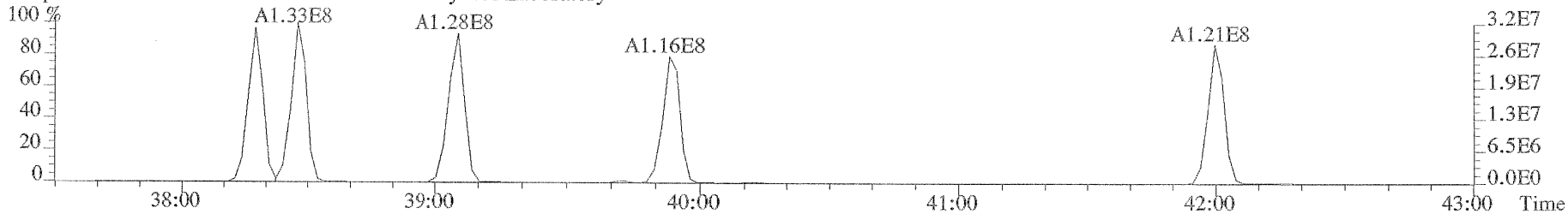
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



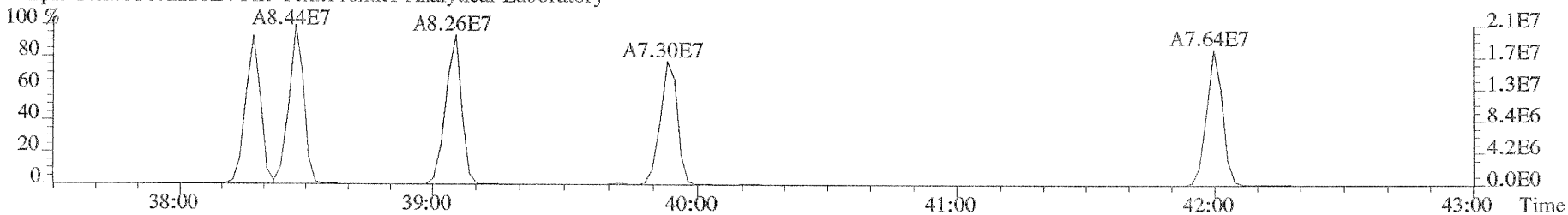
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



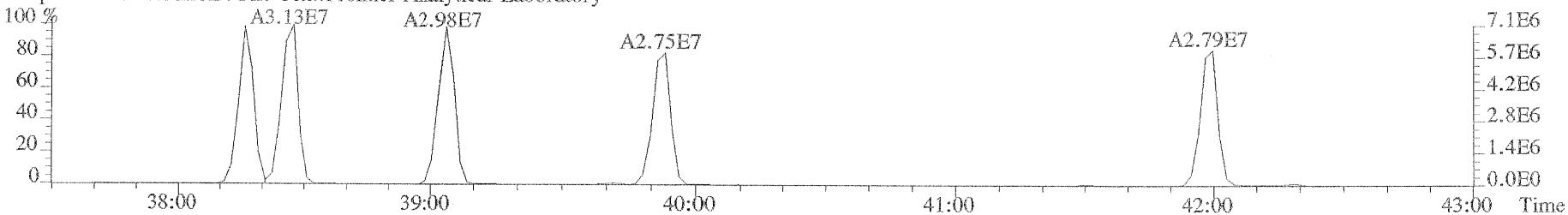
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



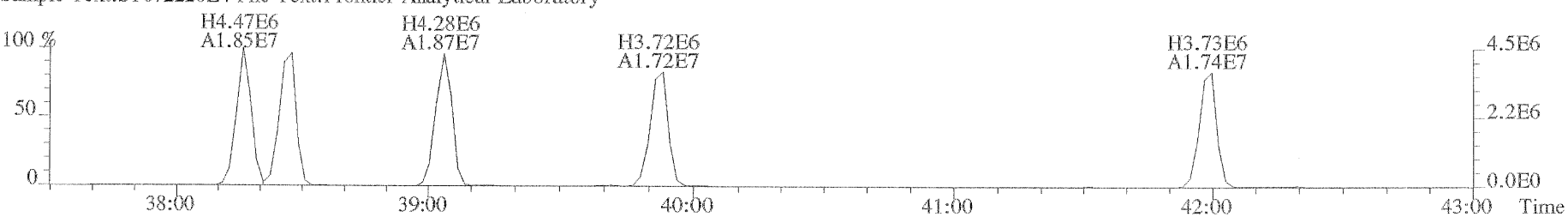
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



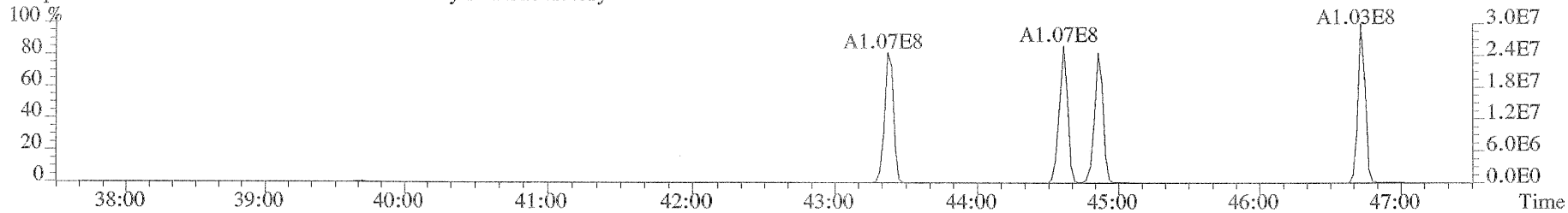
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



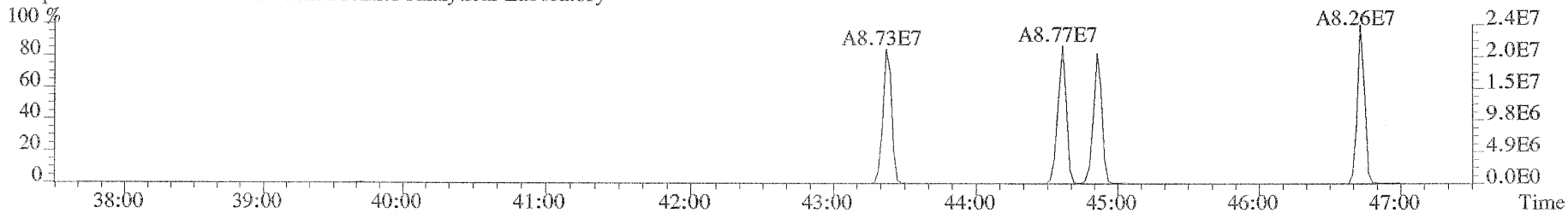
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



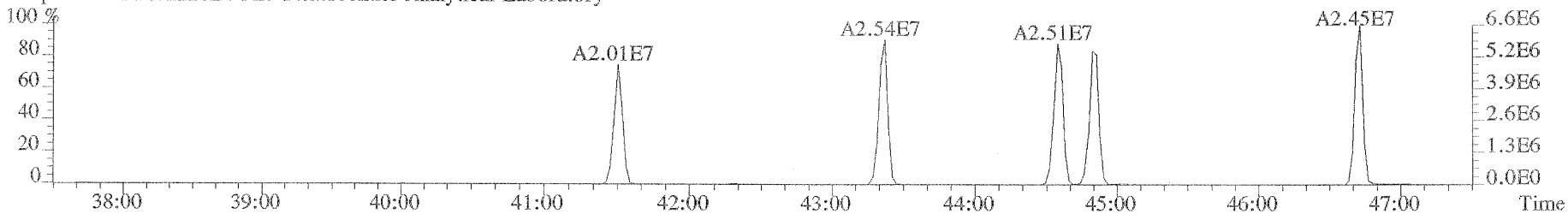
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



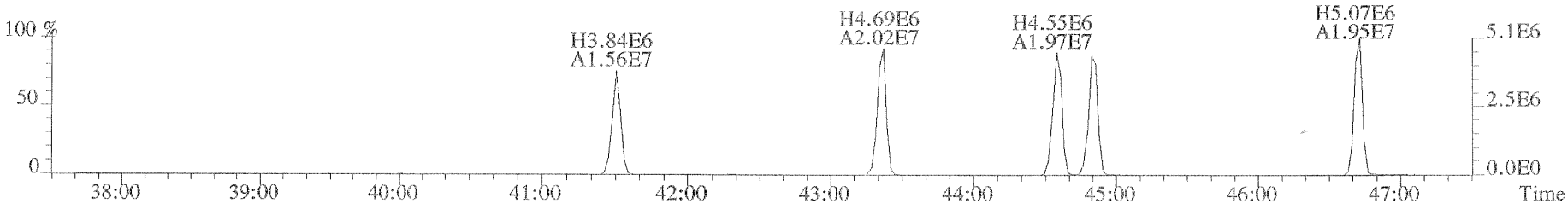
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



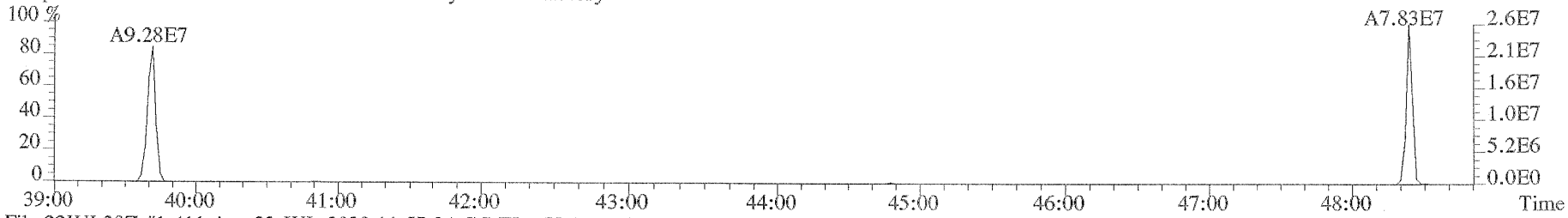
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



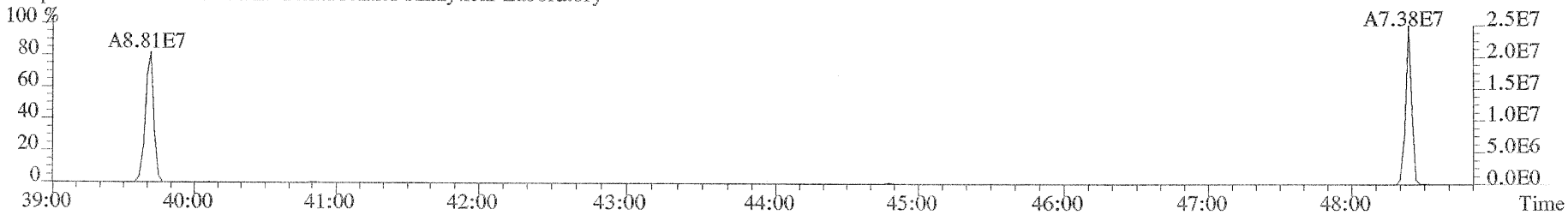
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



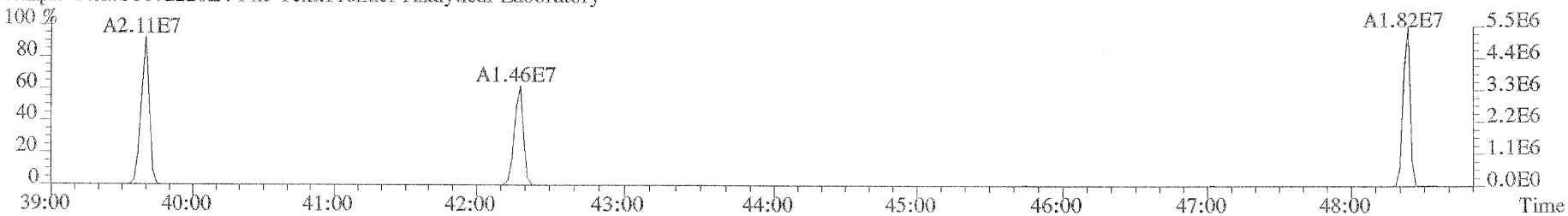
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



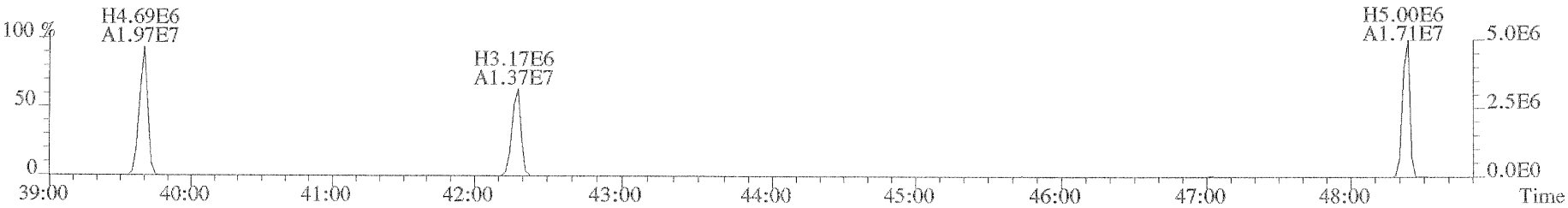
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



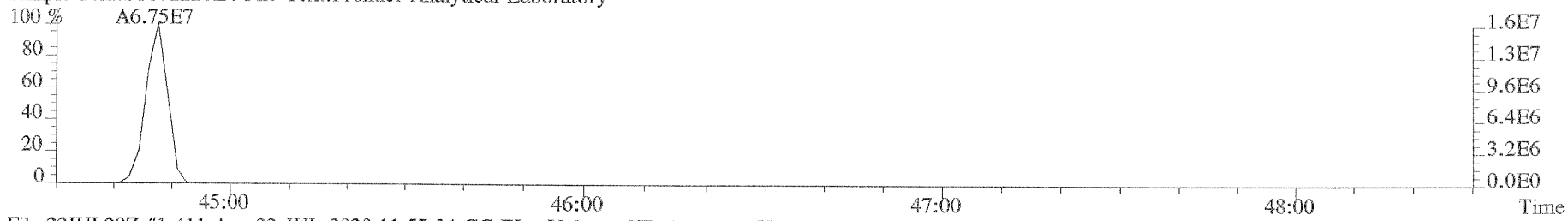
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



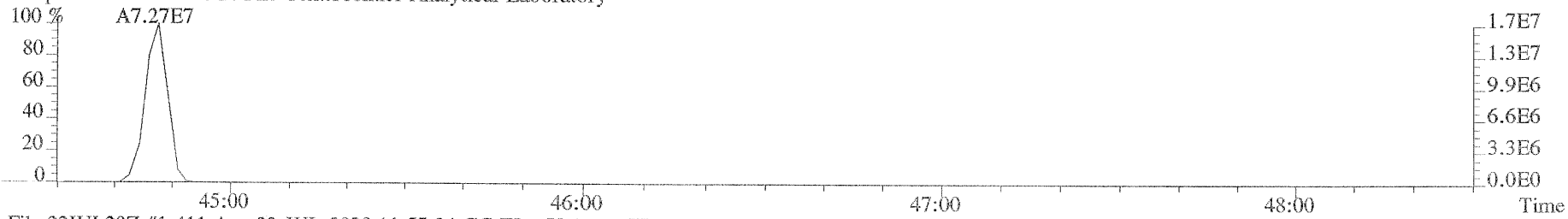
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



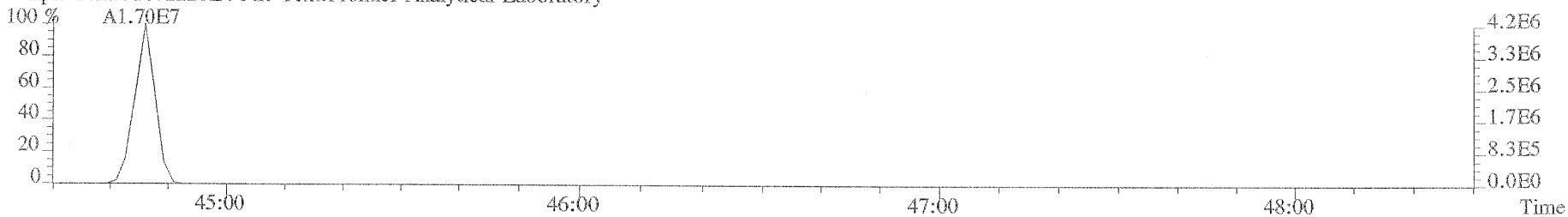
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



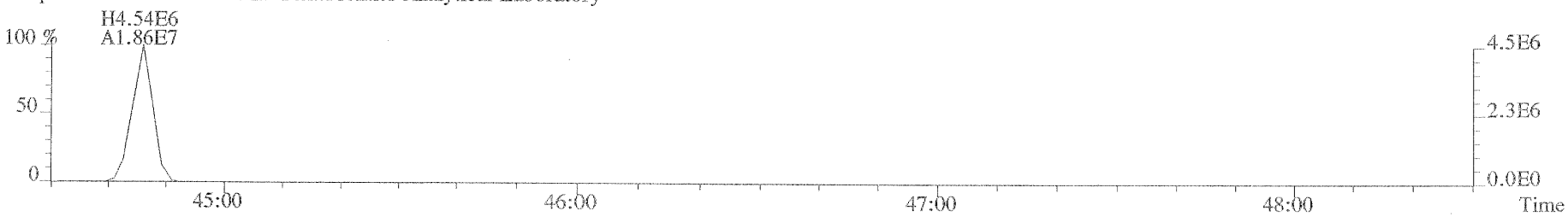
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



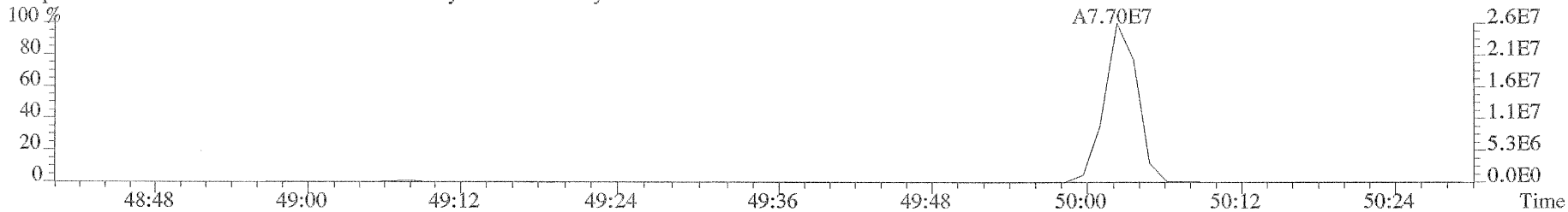
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



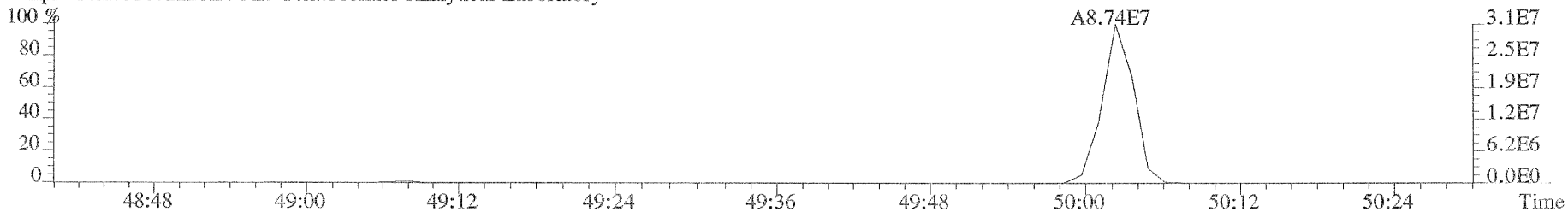
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



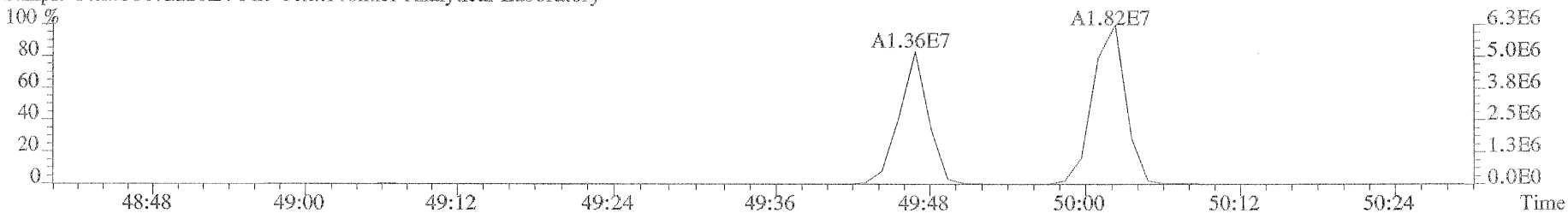
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



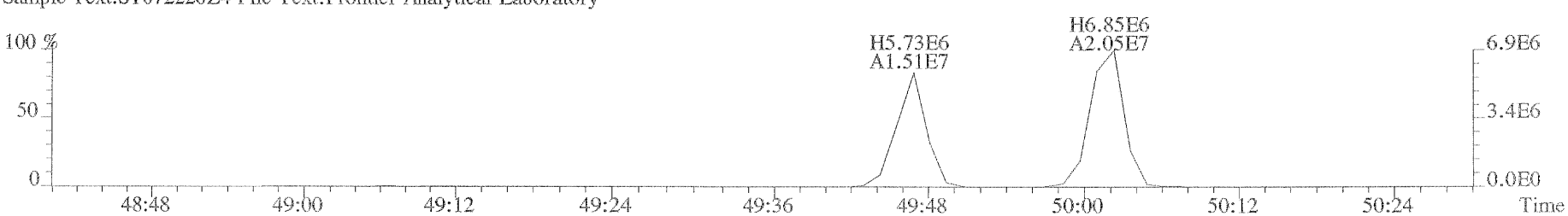
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



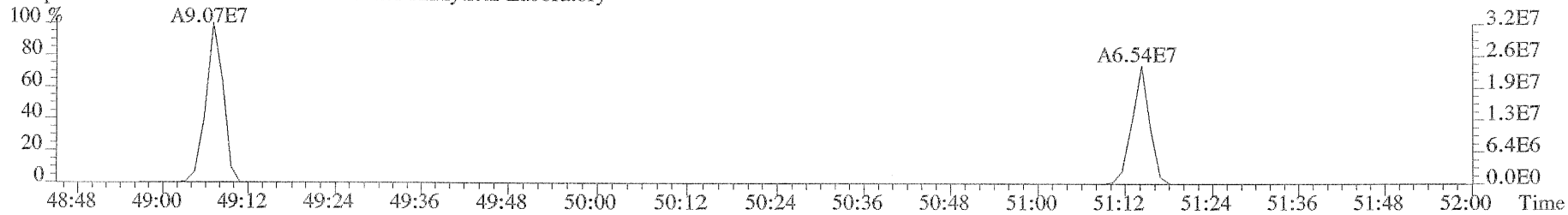
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



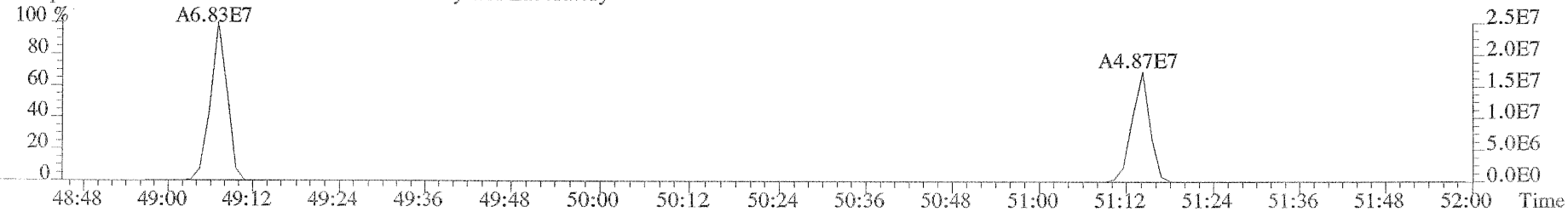
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



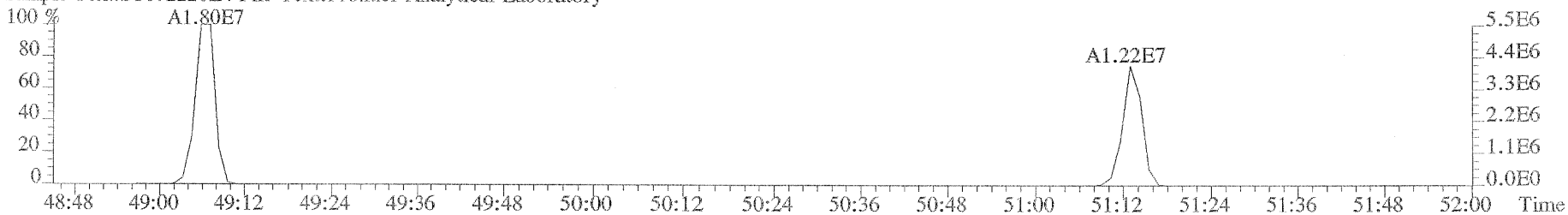
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



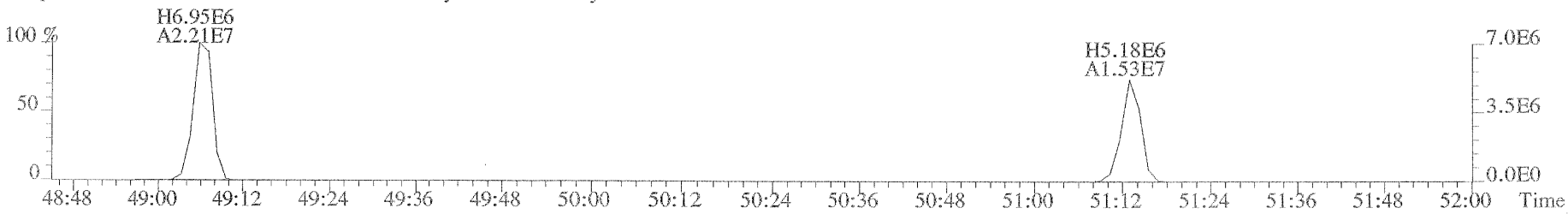
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



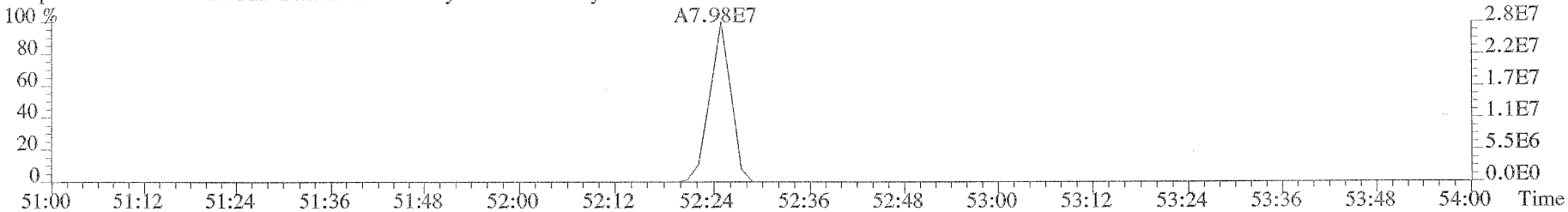
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



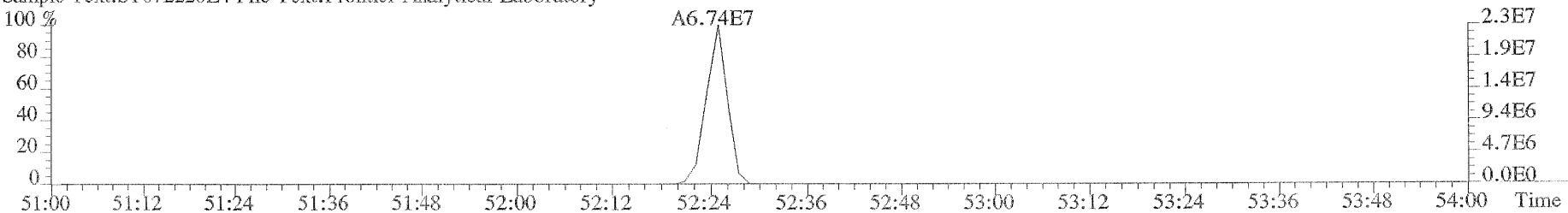
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



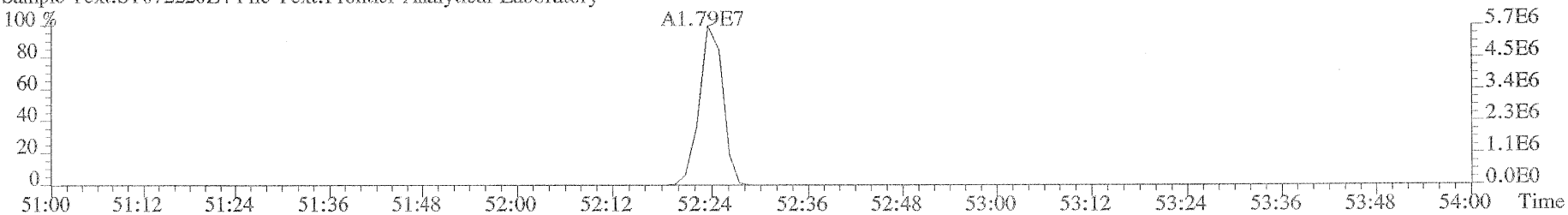
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



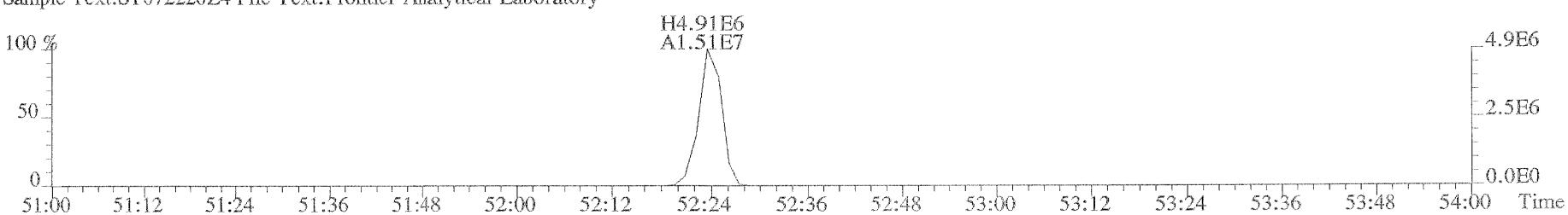
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



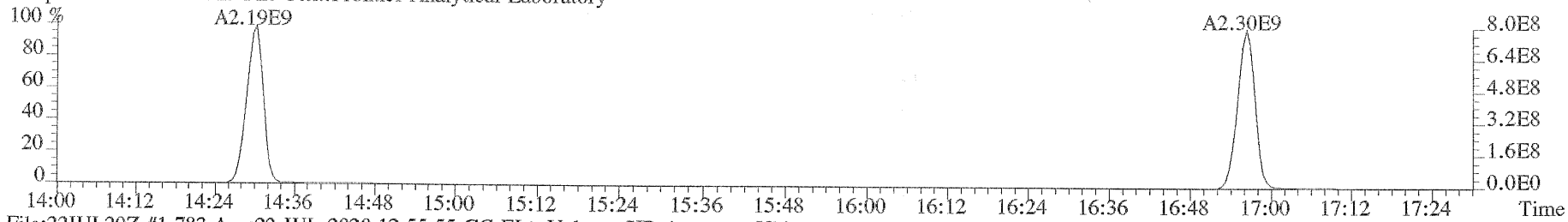
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



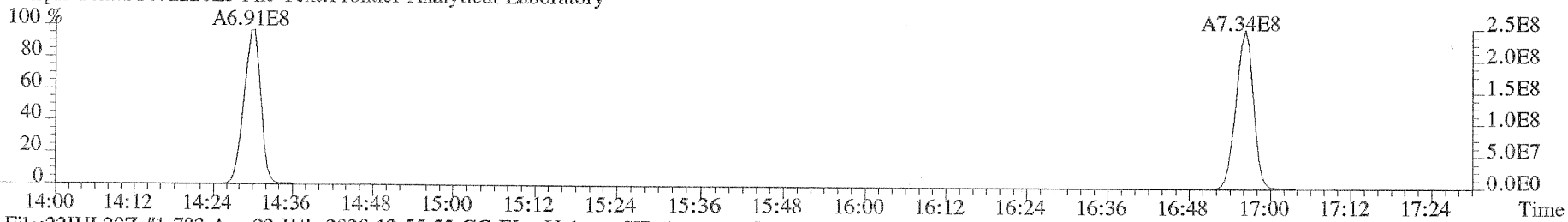
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



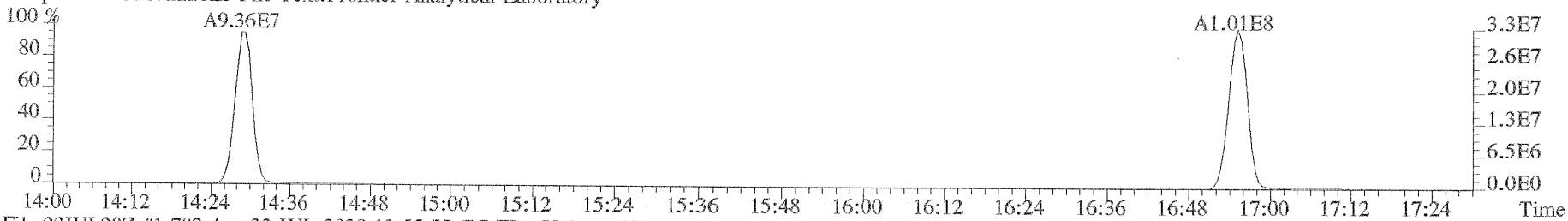
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



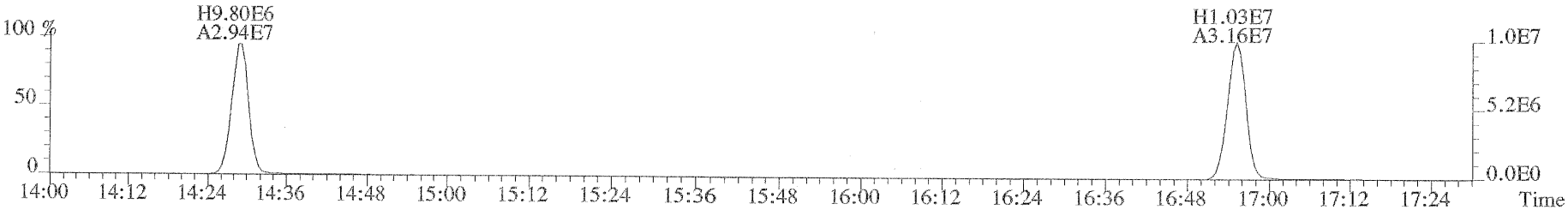
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



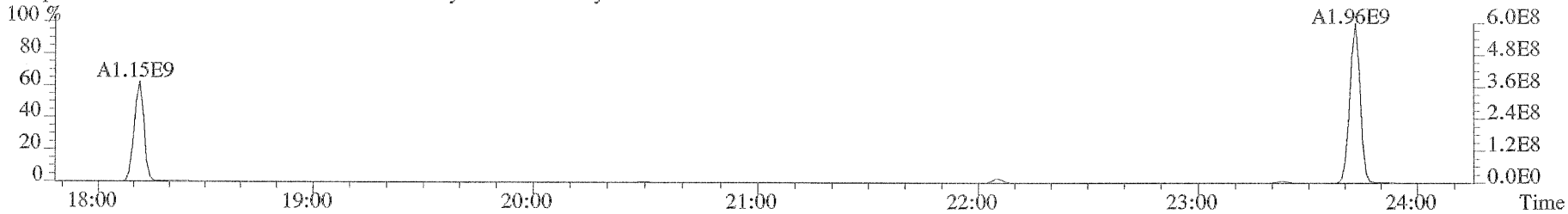
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



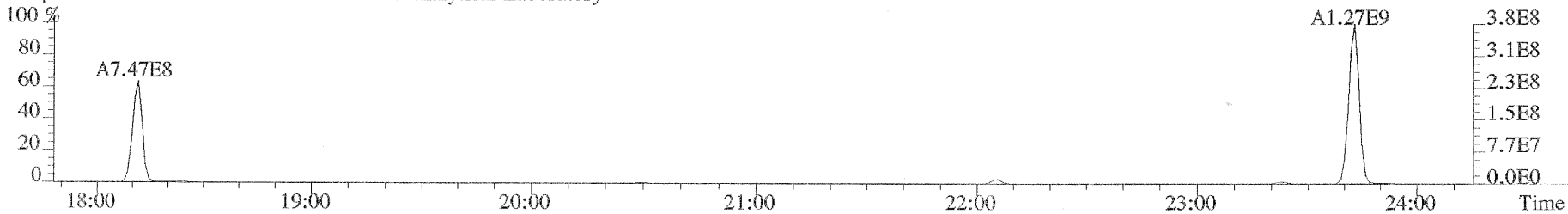
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



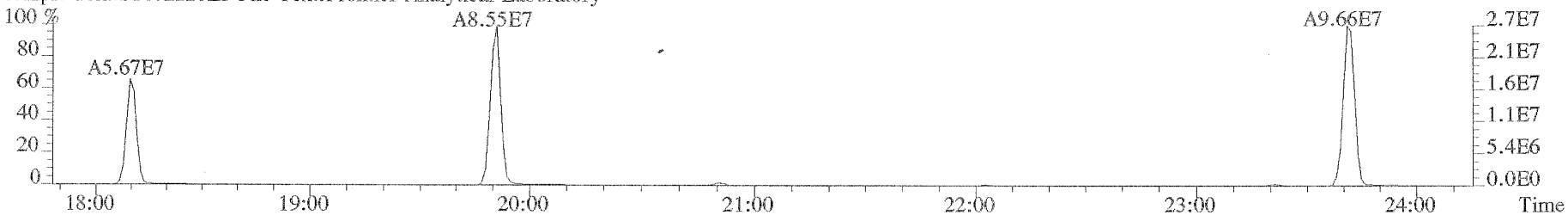
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



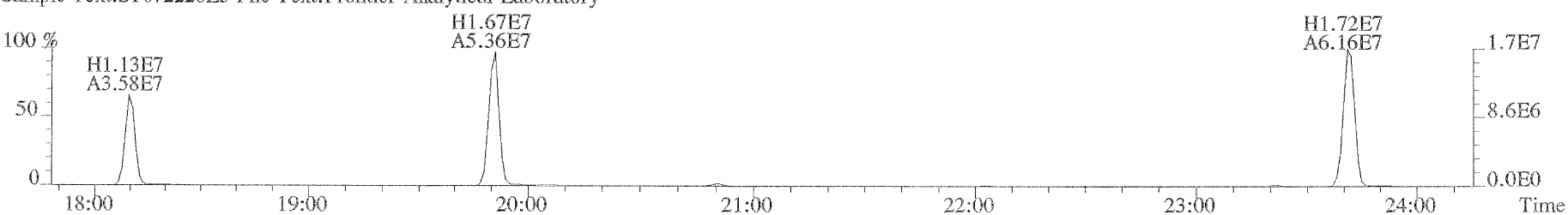
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



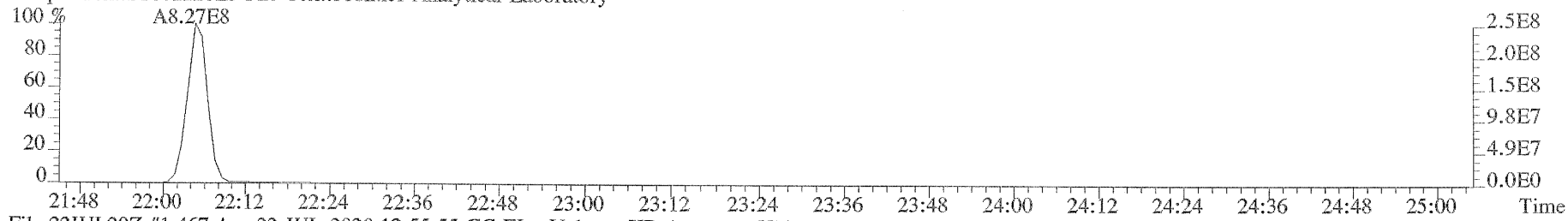
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



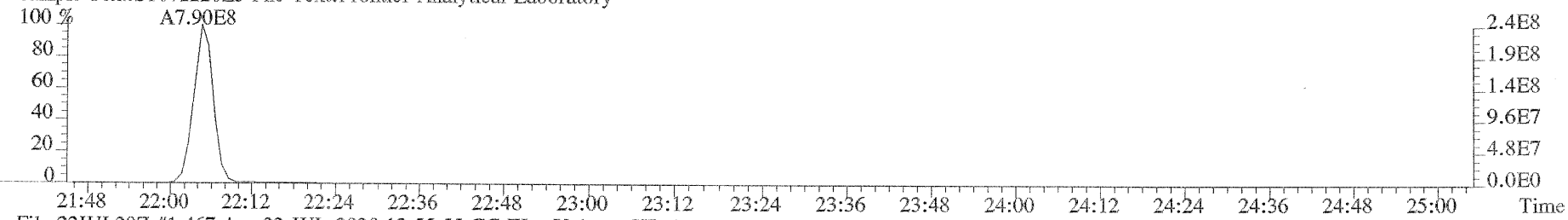
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



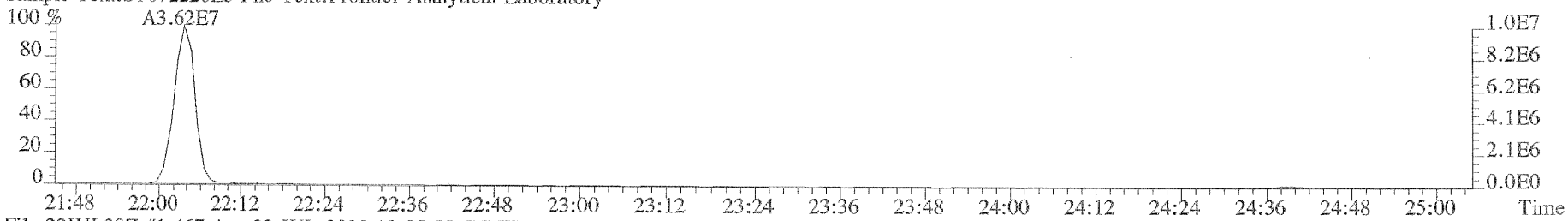
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



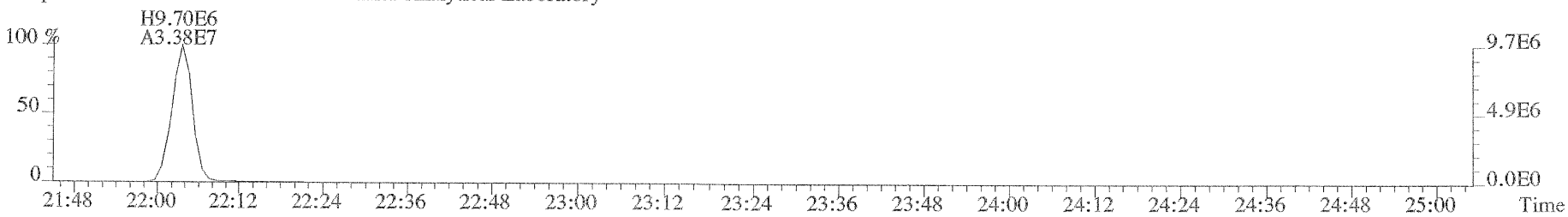
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



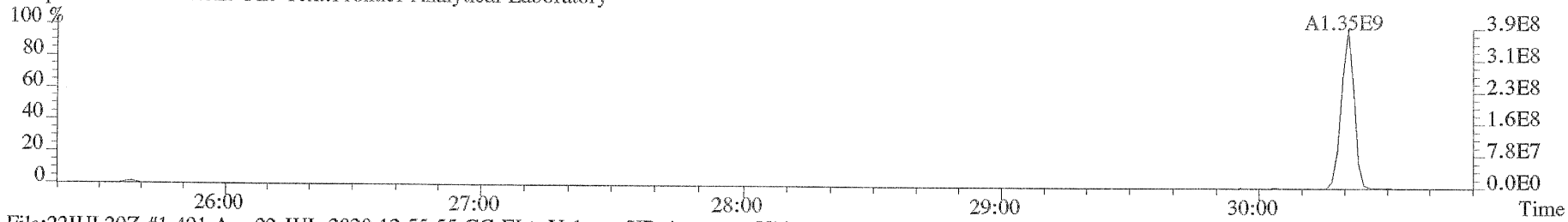
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



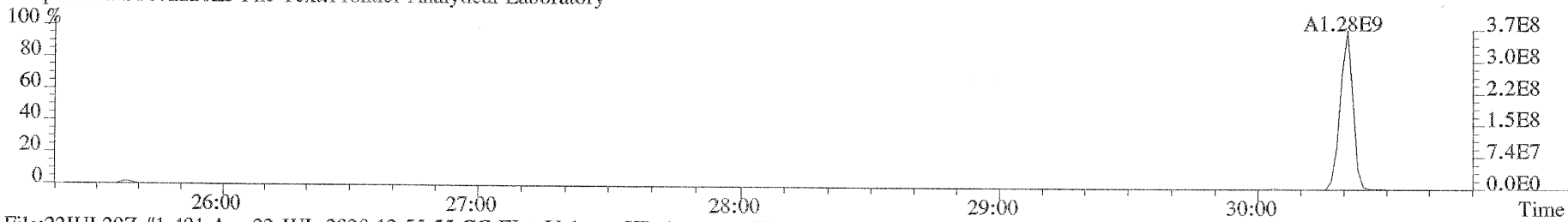
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



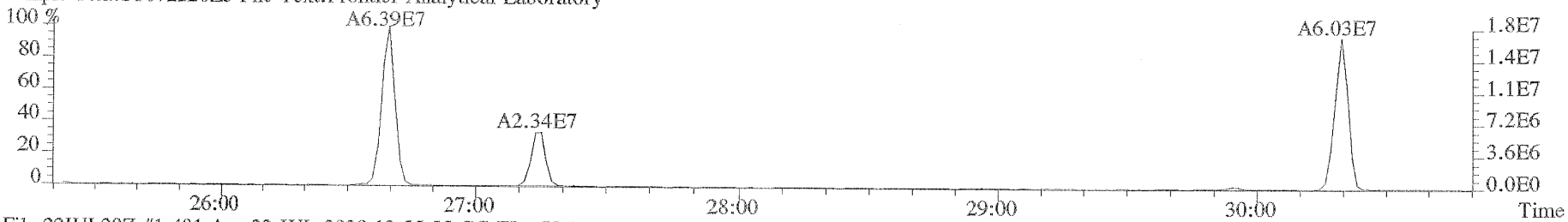
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



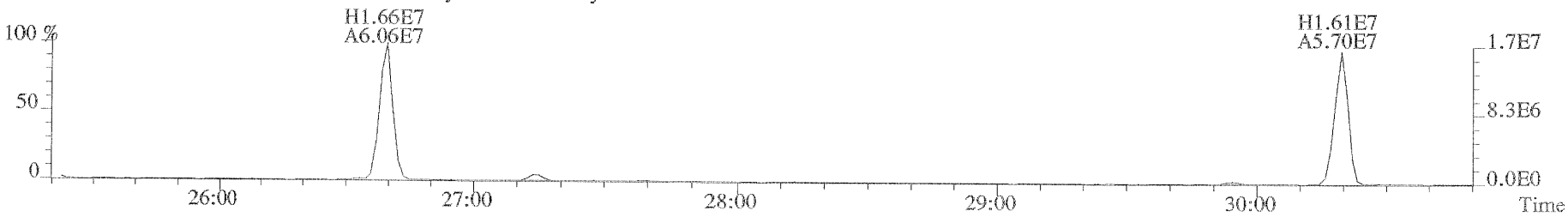
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



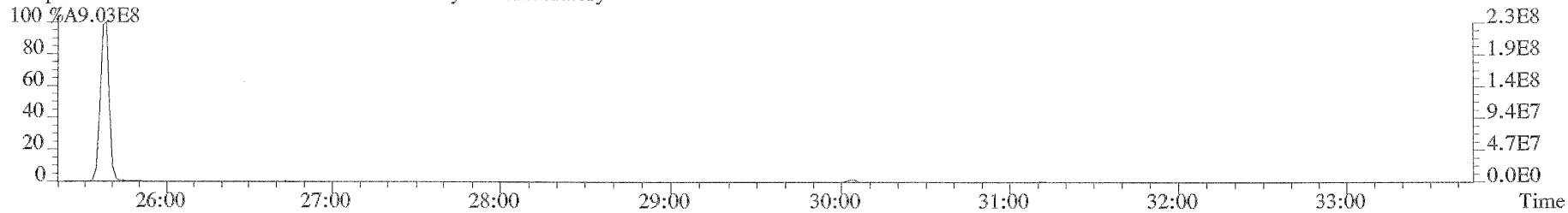
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



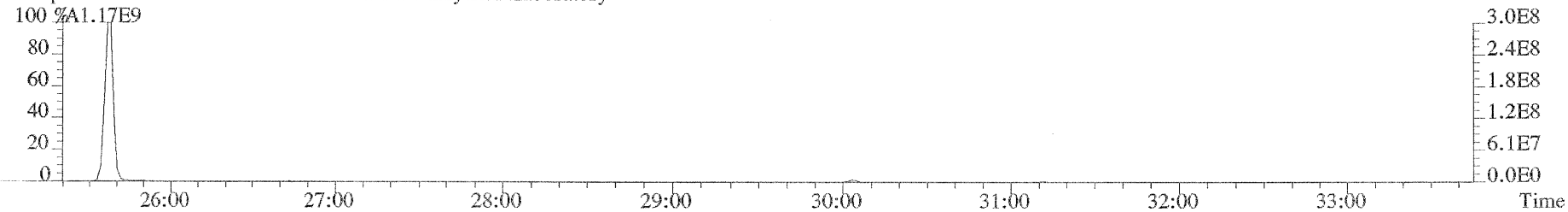
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



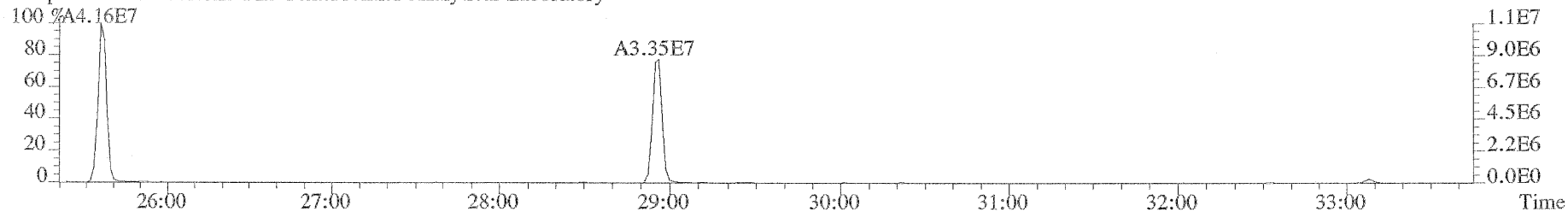
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



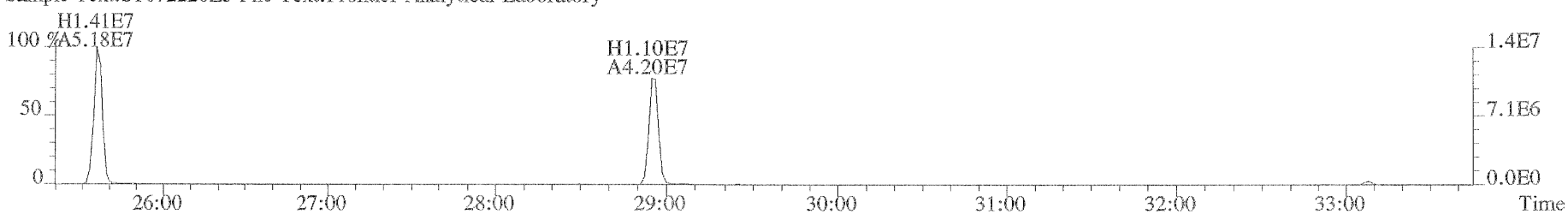
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



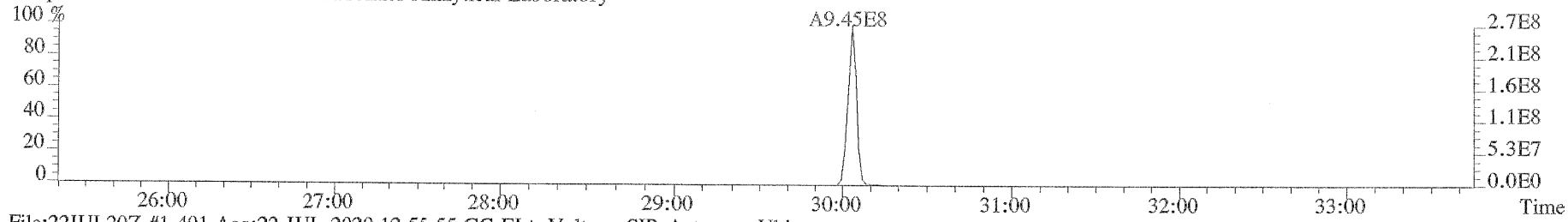
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



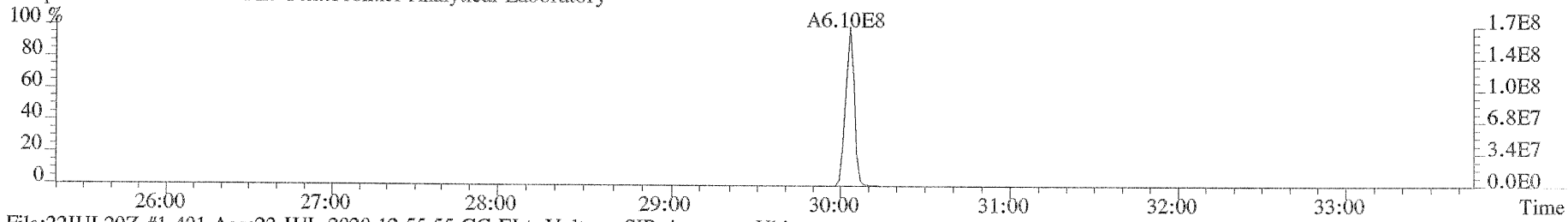
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



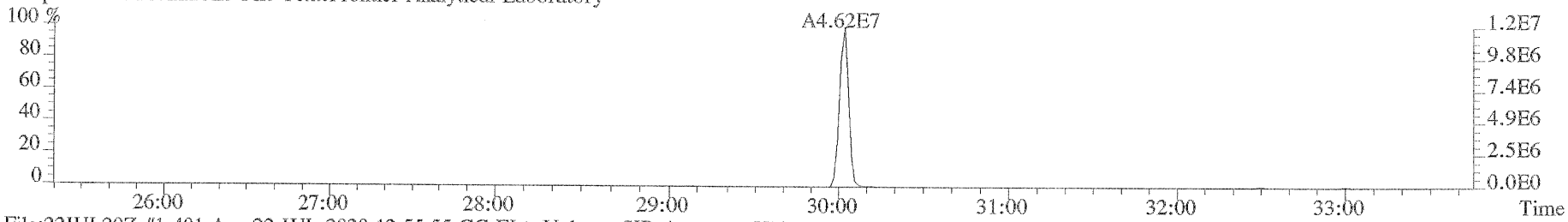
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



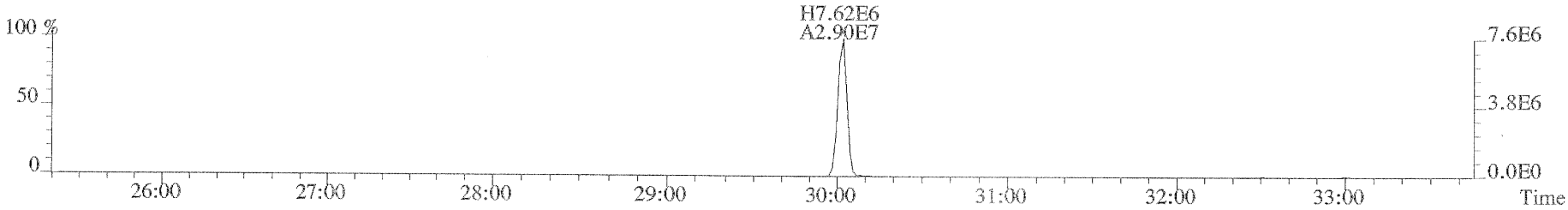
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



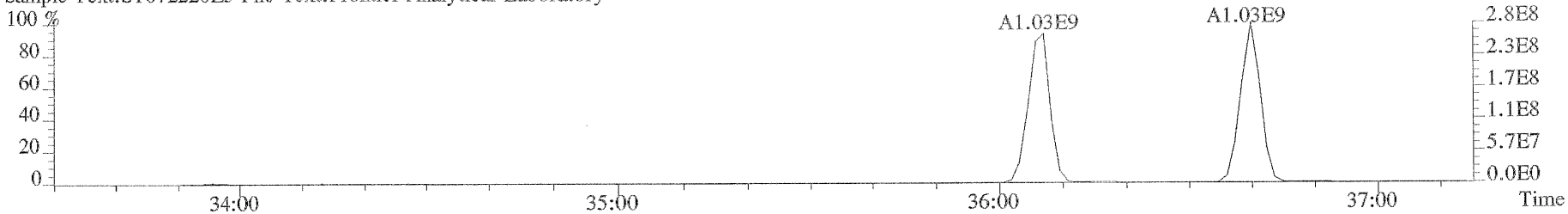
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



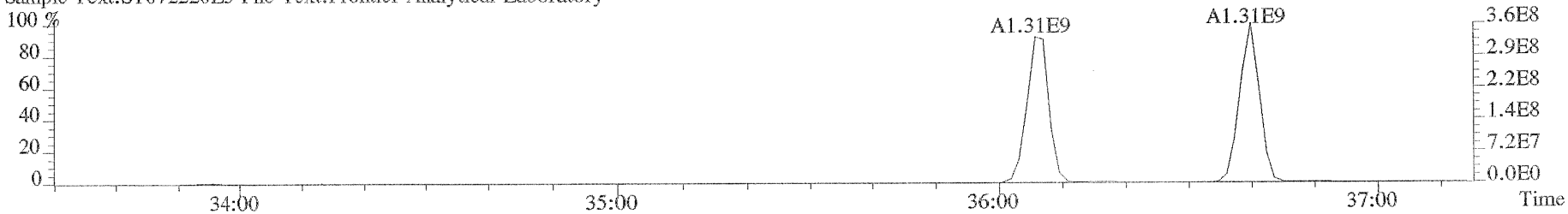
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



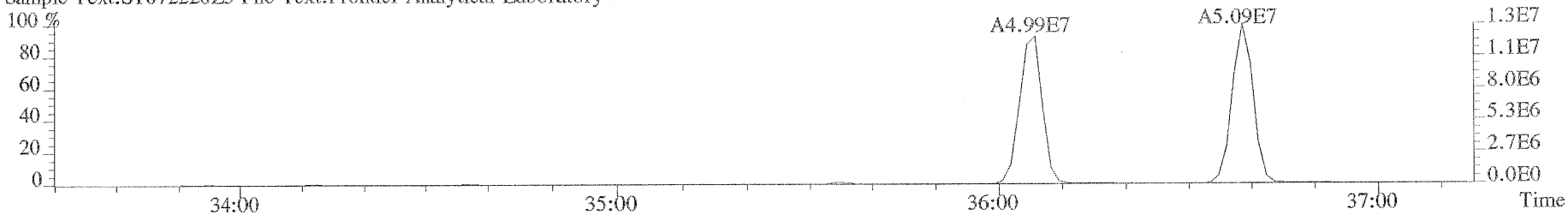
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



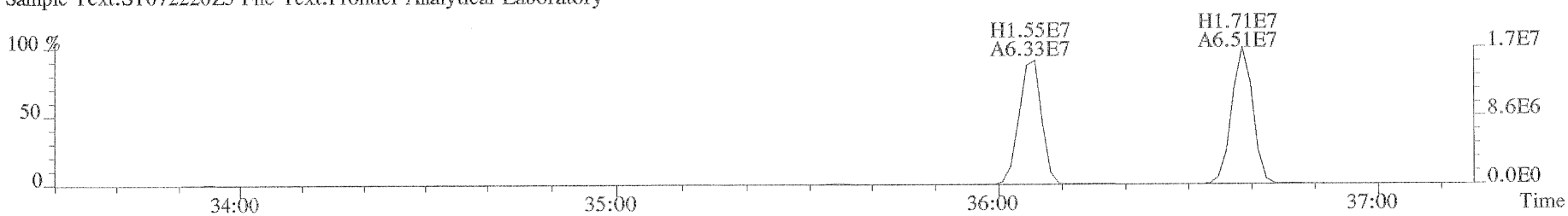
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



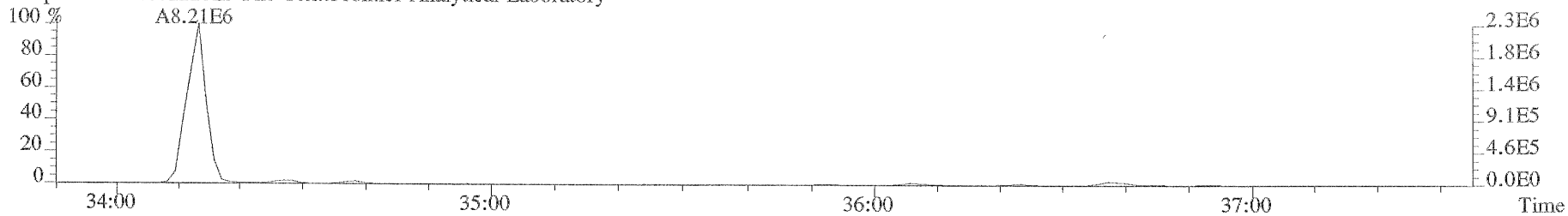
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



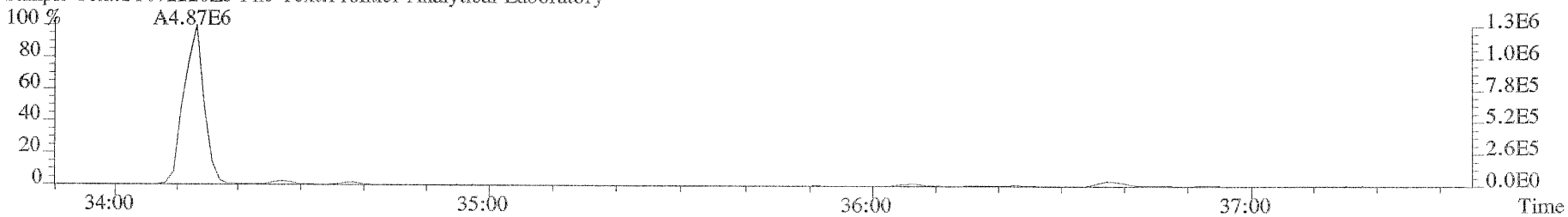
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



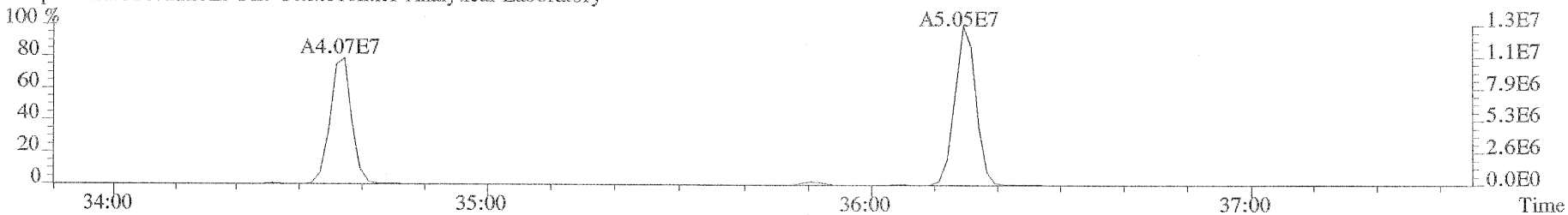
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



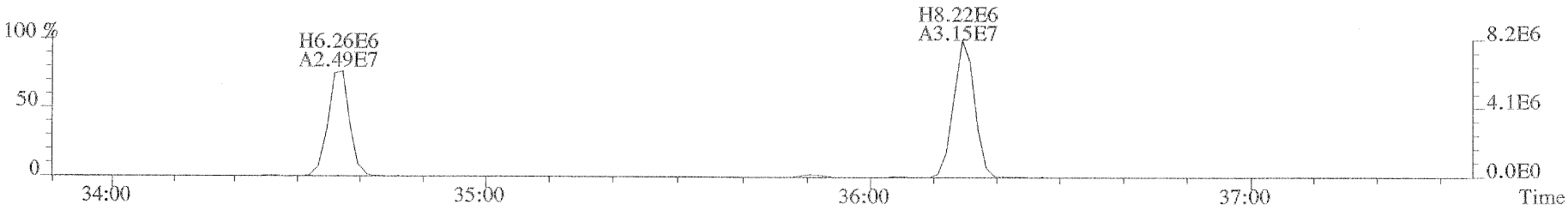
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



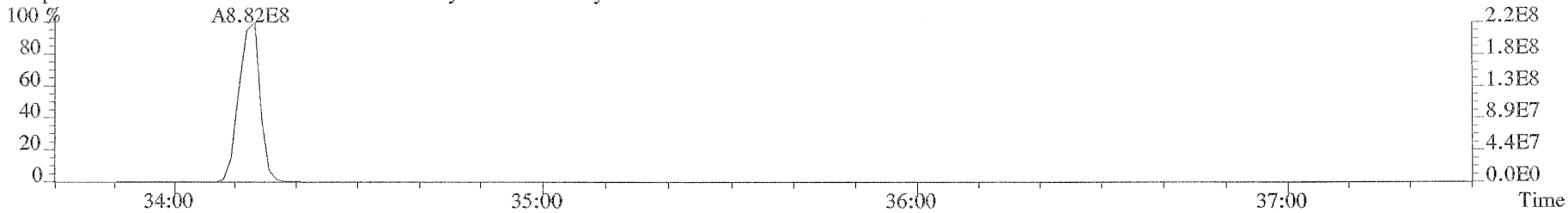
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



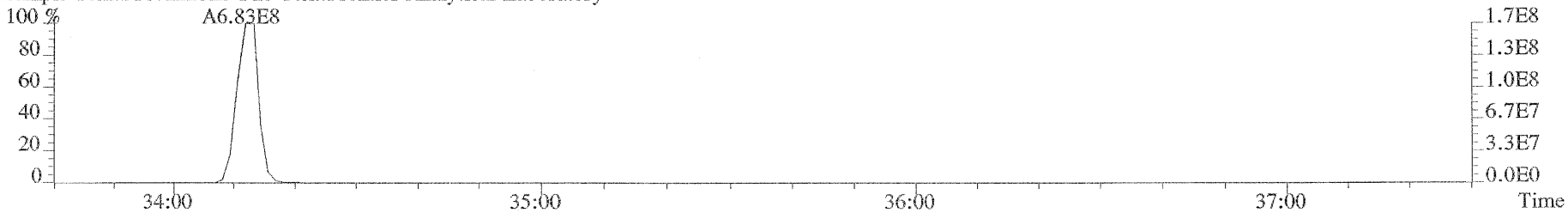
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



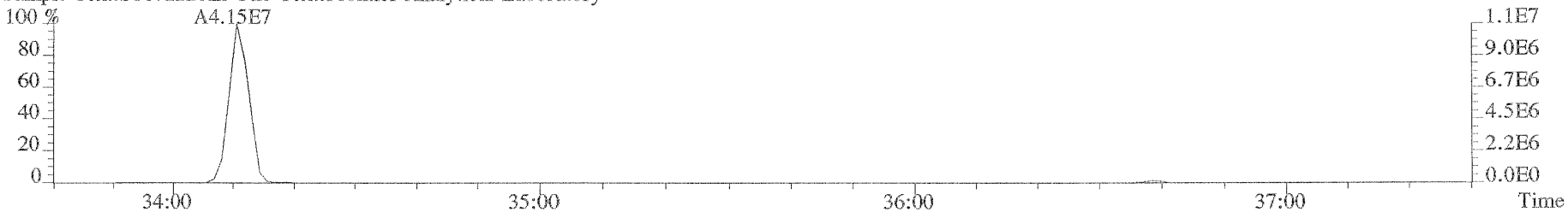
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



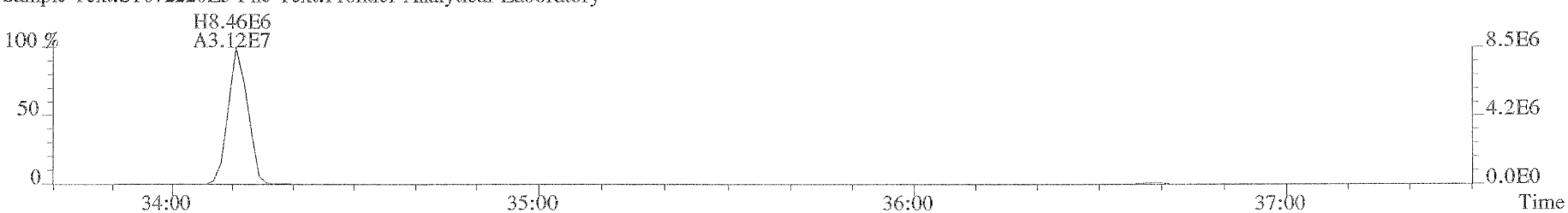
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



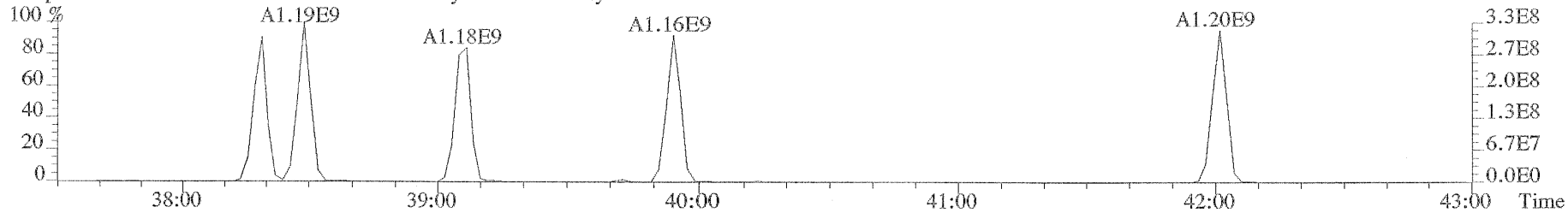
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



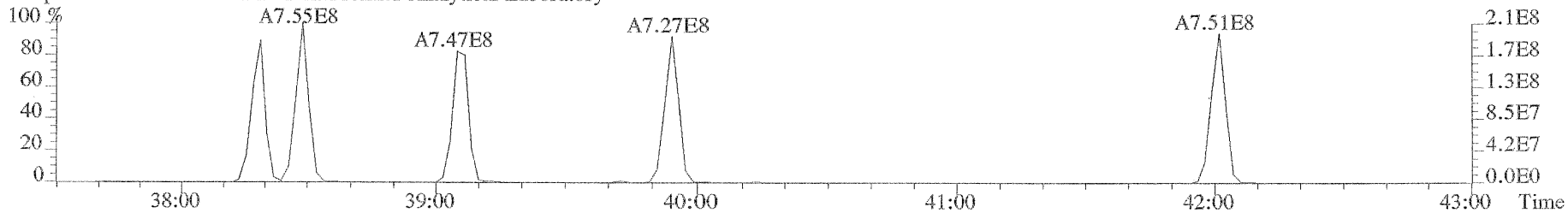
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



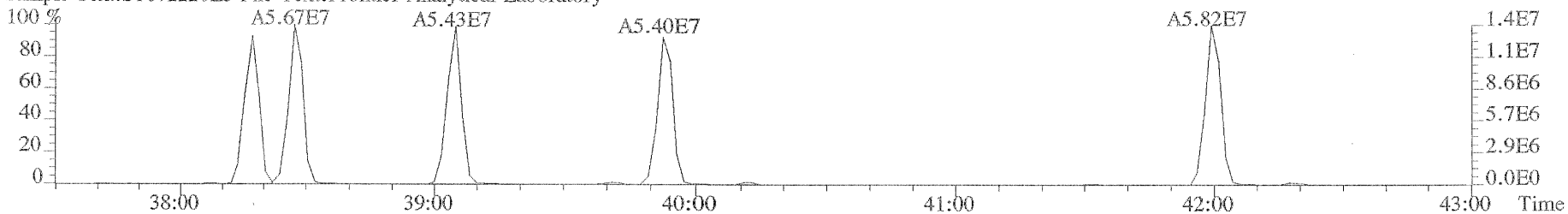
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



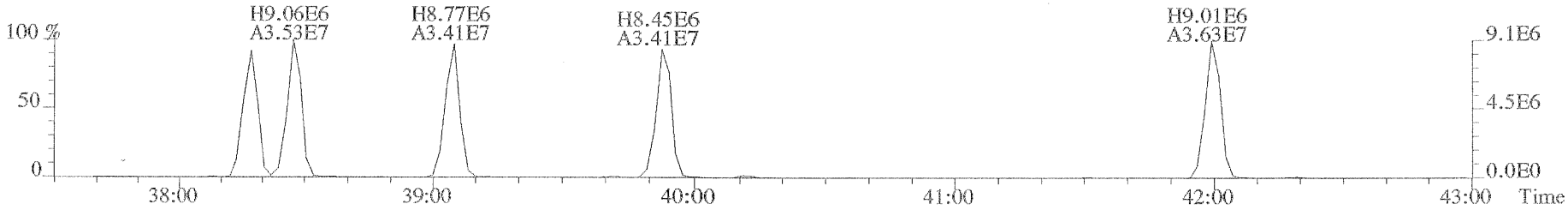
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



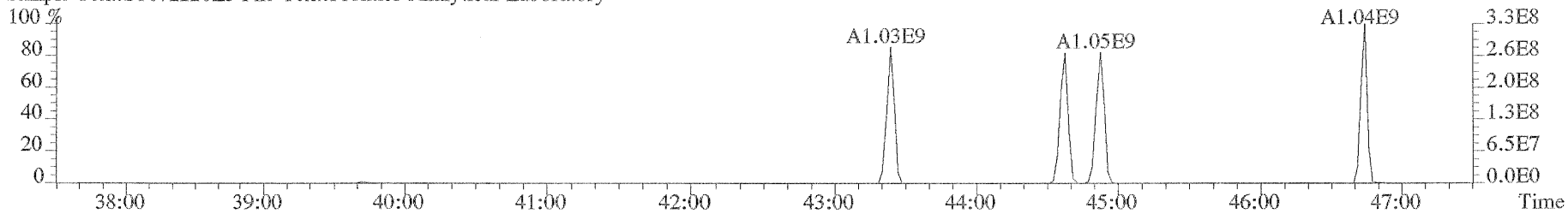
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



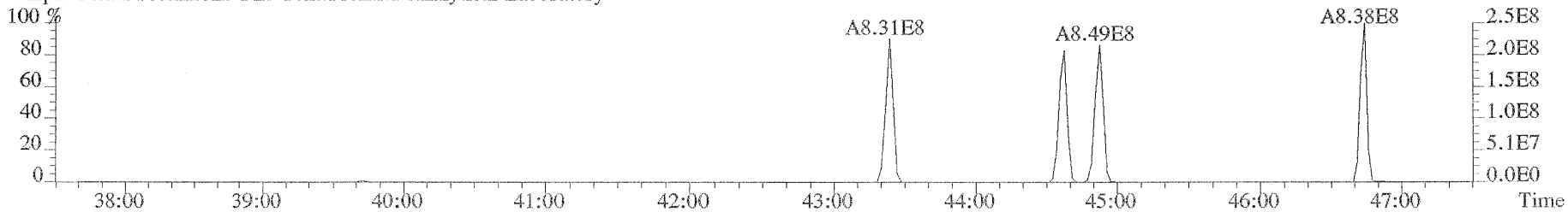
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



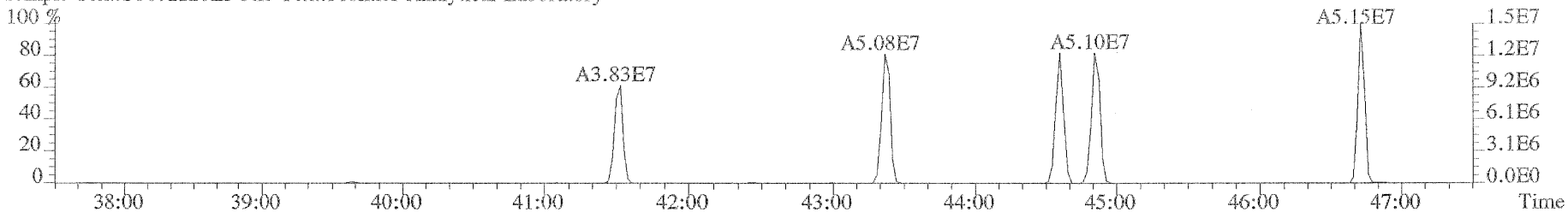
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



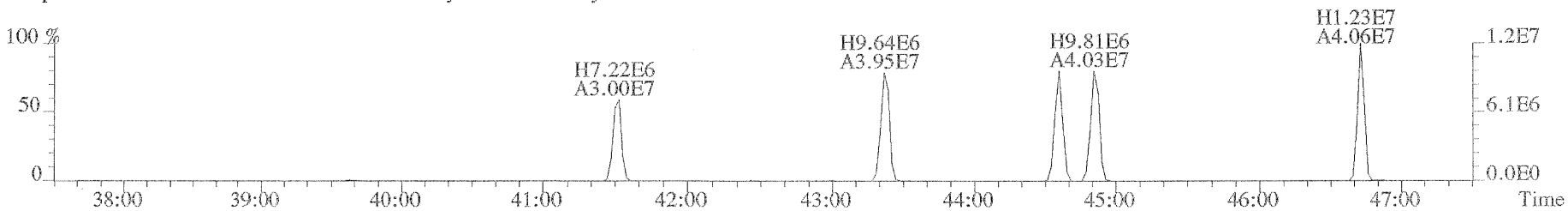
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



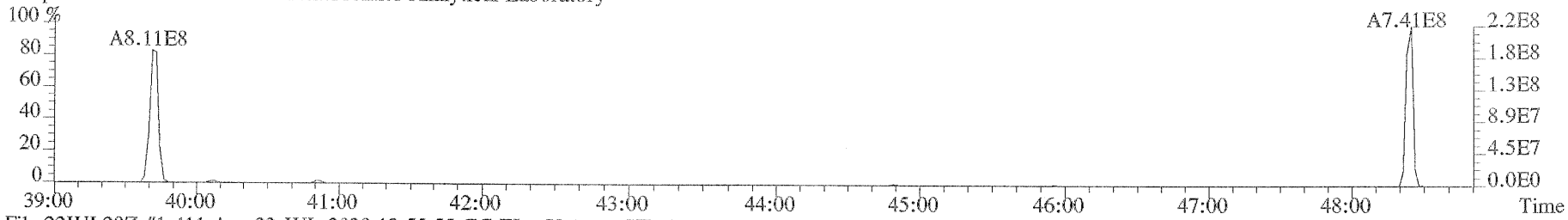
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



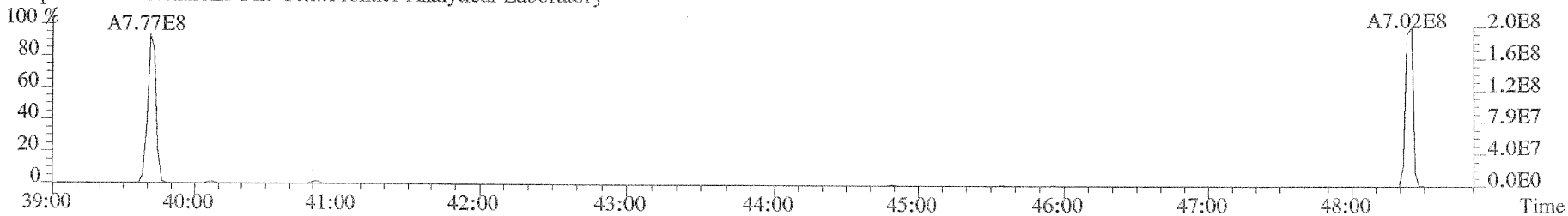
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



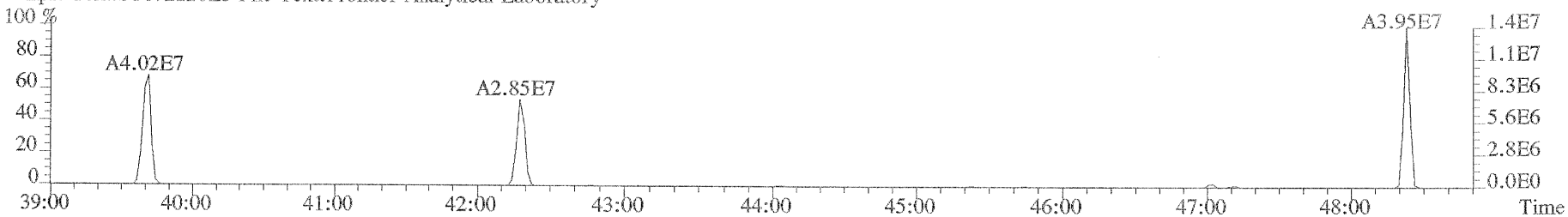
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



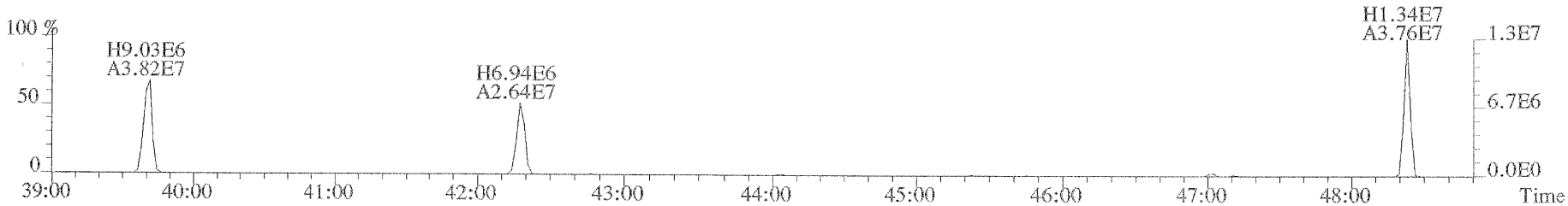
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



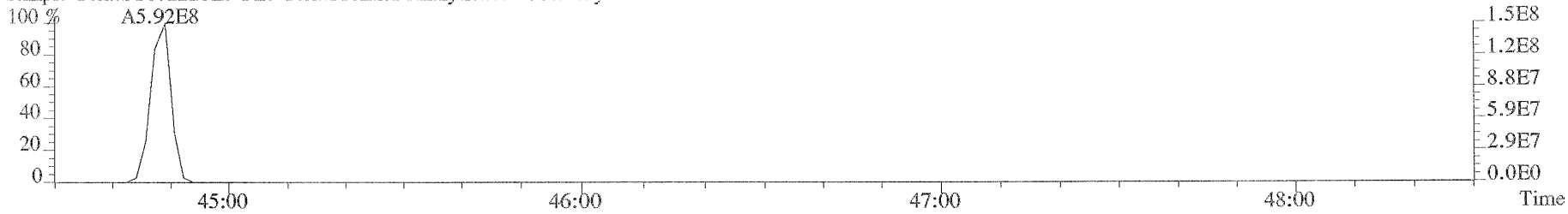
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



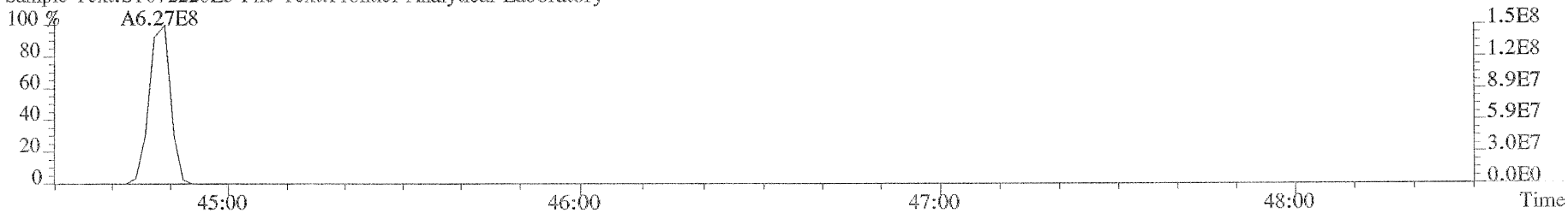
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



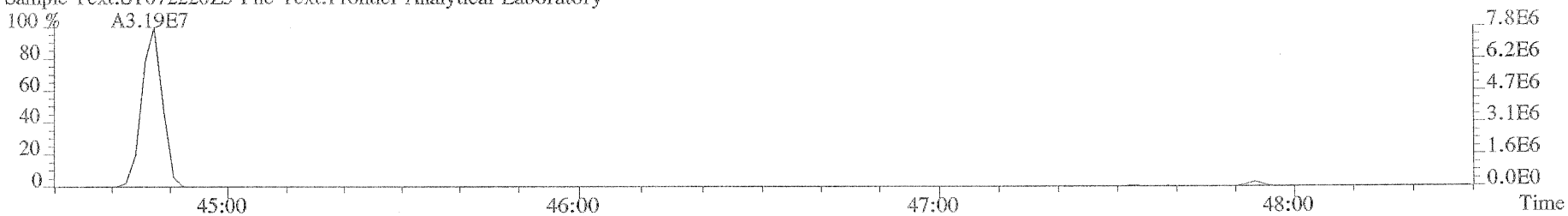
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



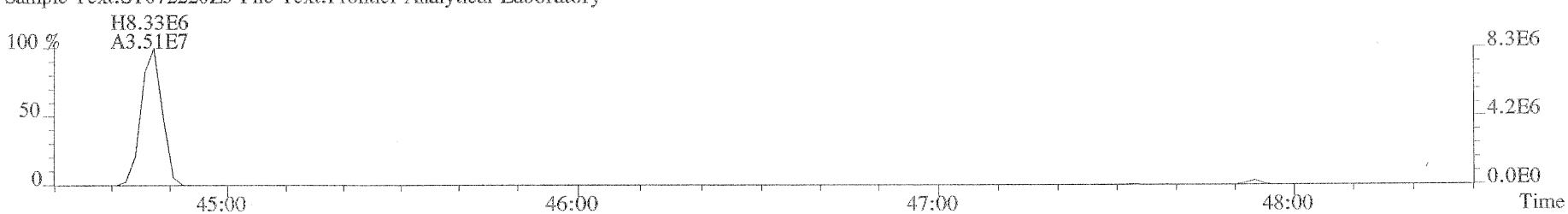
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



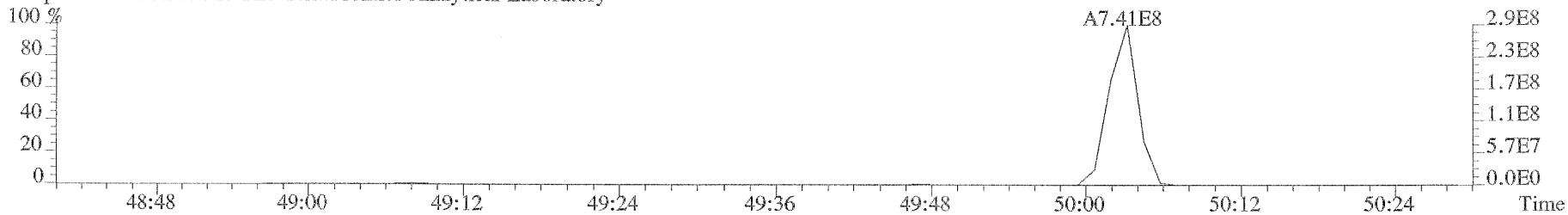
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



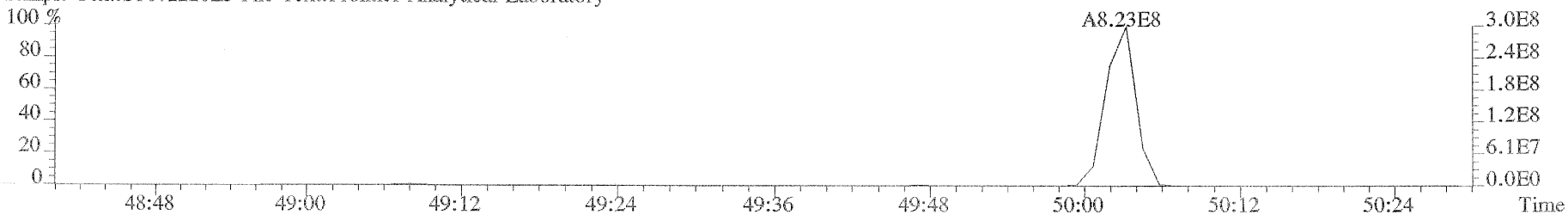
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



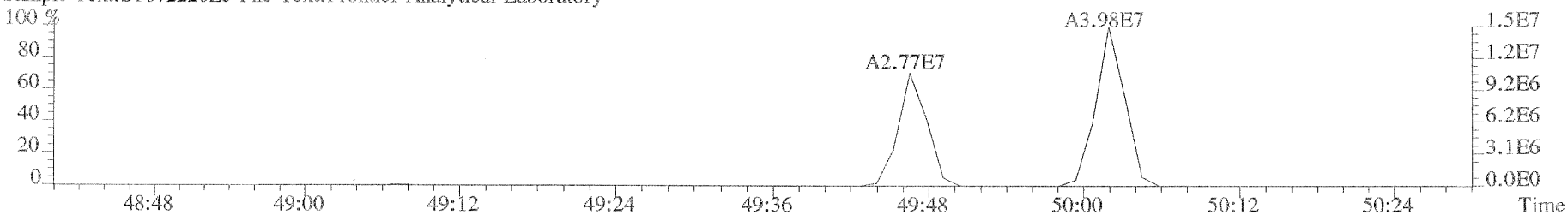
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



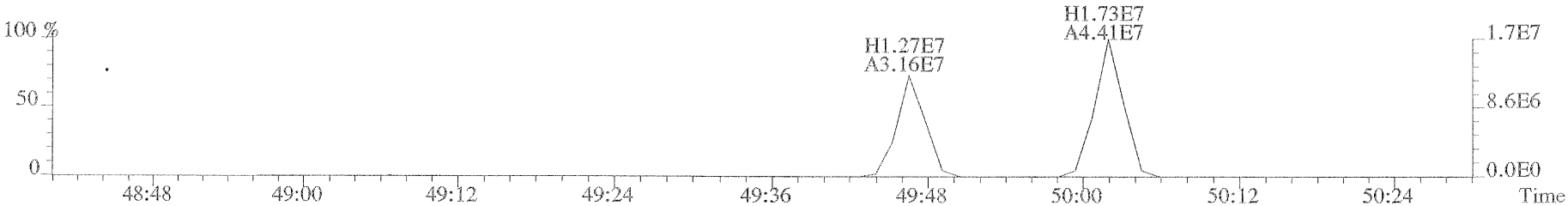
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



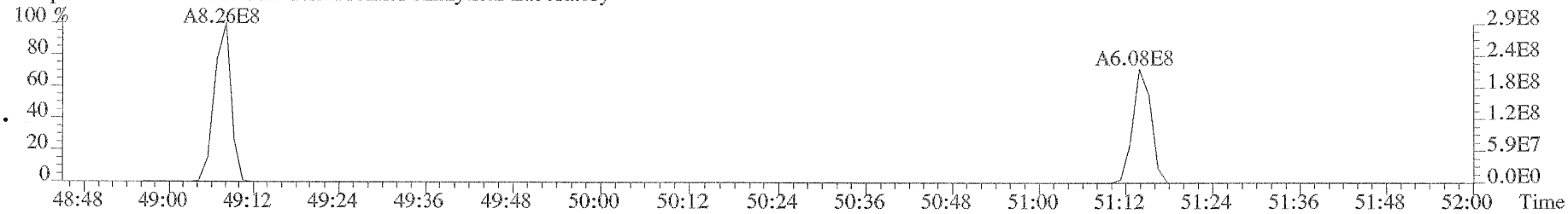
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



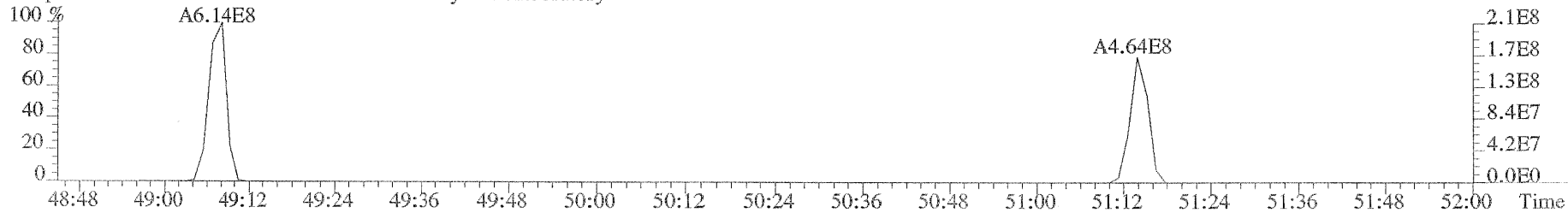
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



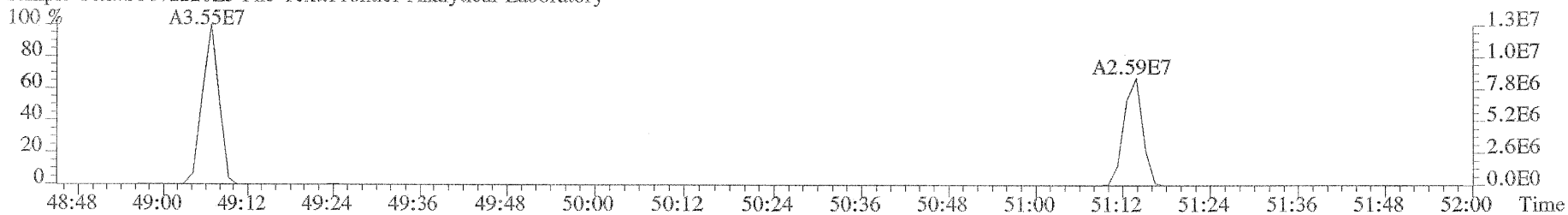
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



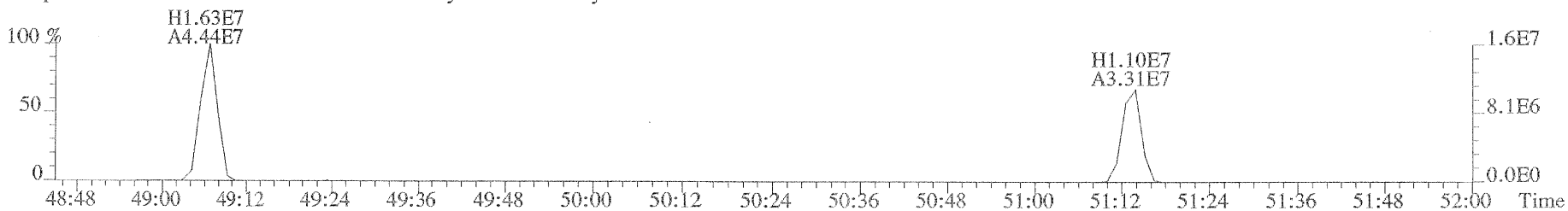
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



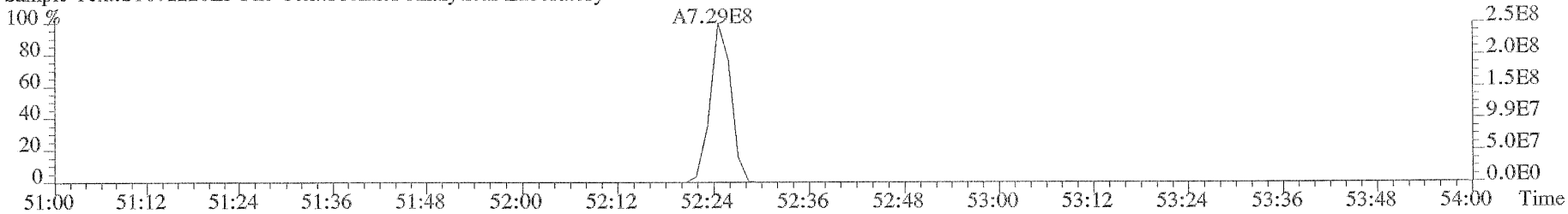
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



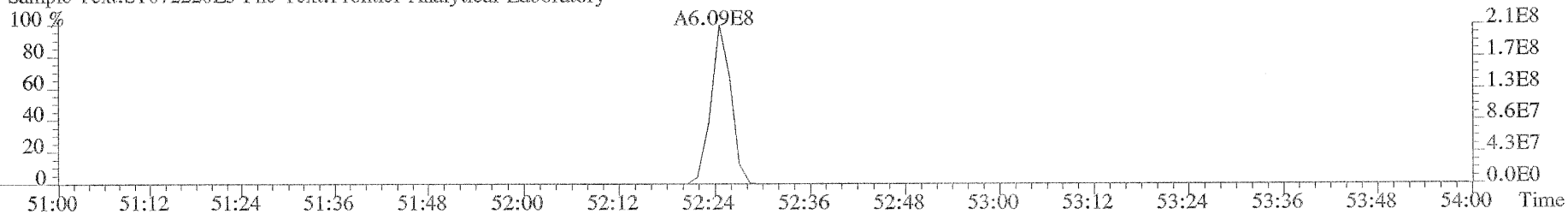
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



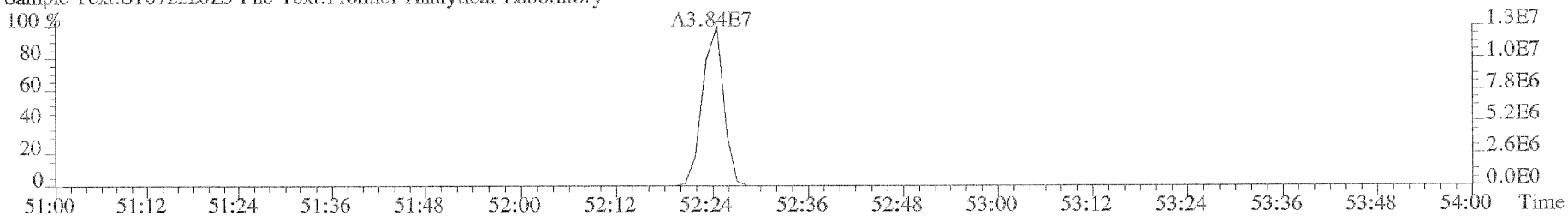
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



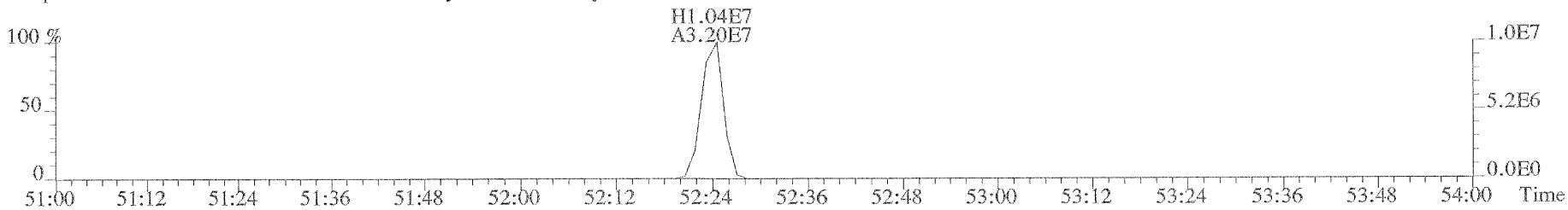
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



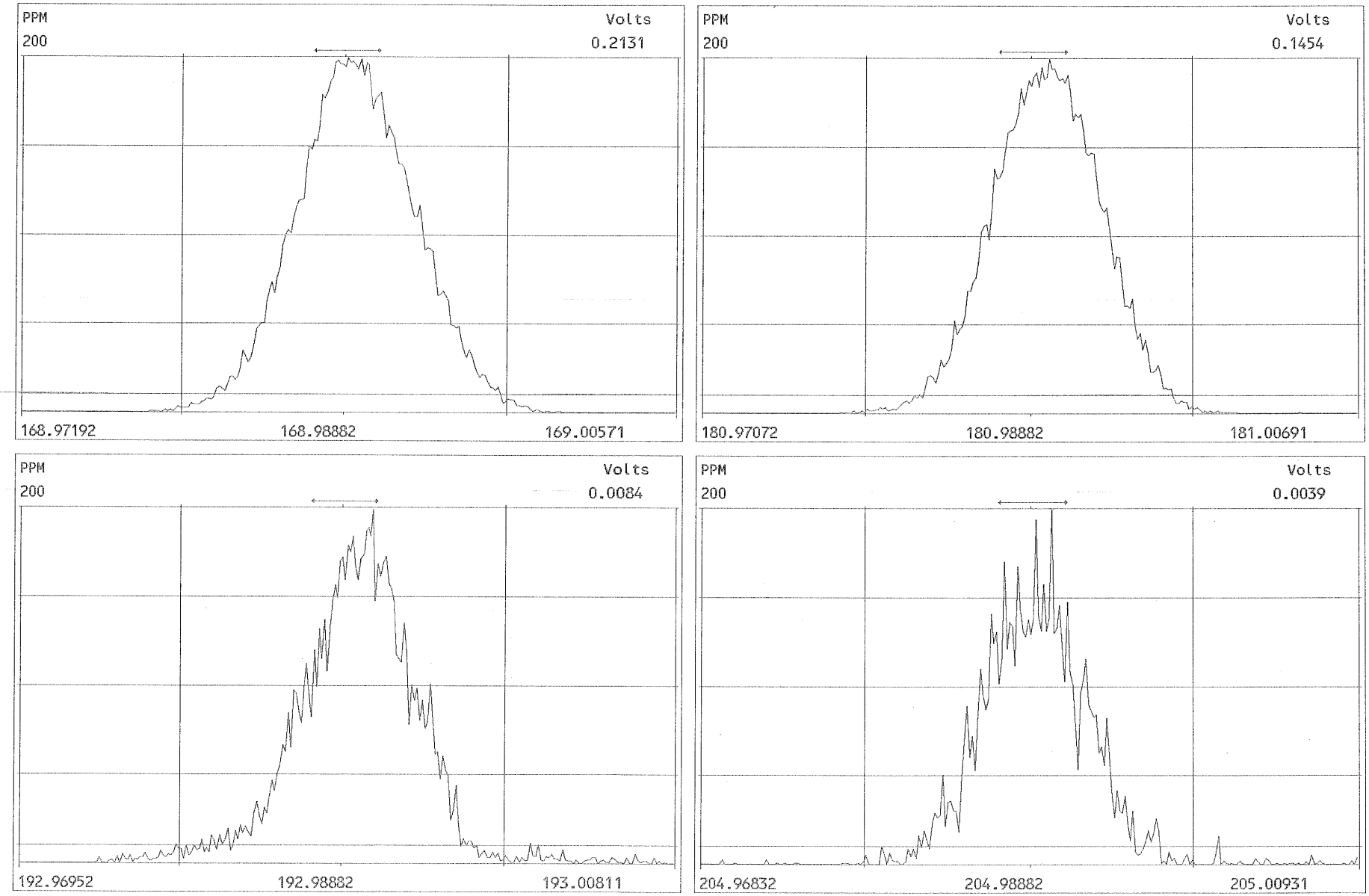
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

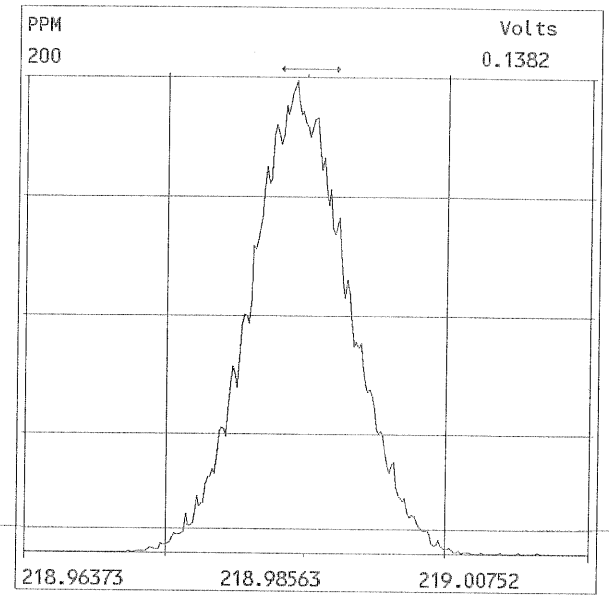


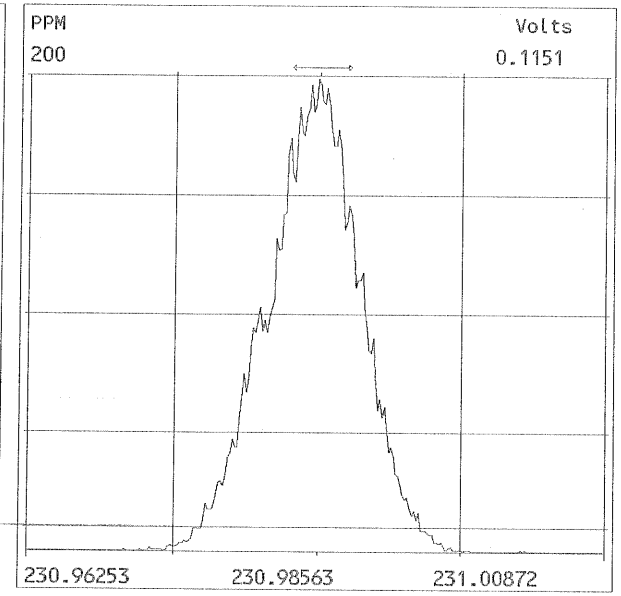
Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

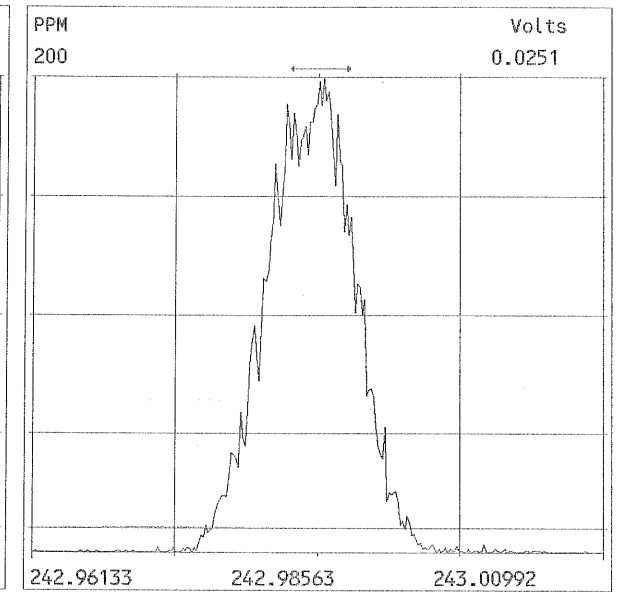


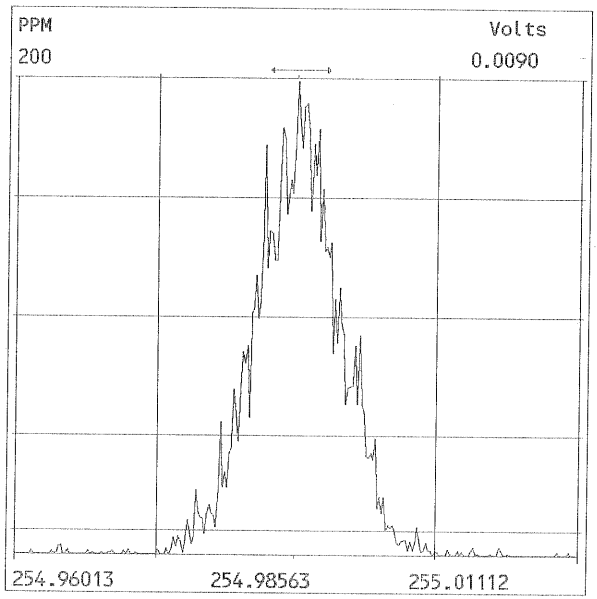
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

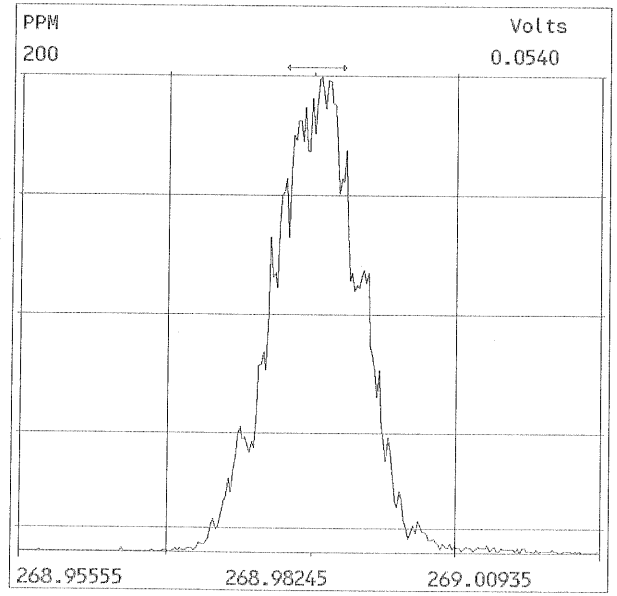
Experiment:1668PCB Function:2 Reference:PFK 98

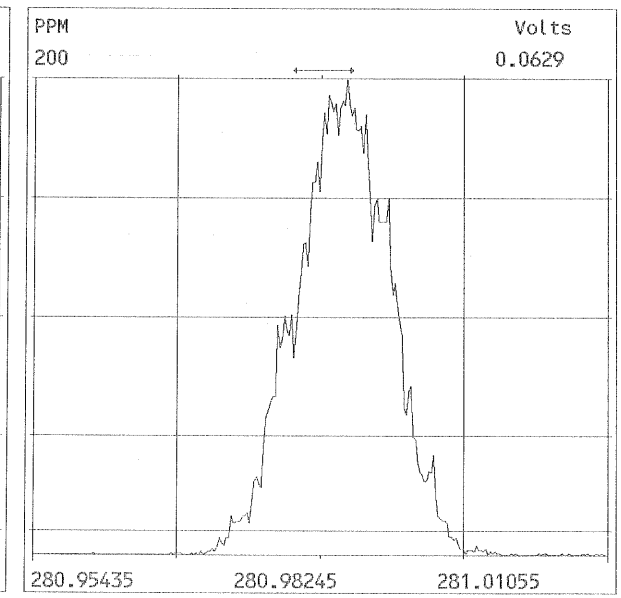




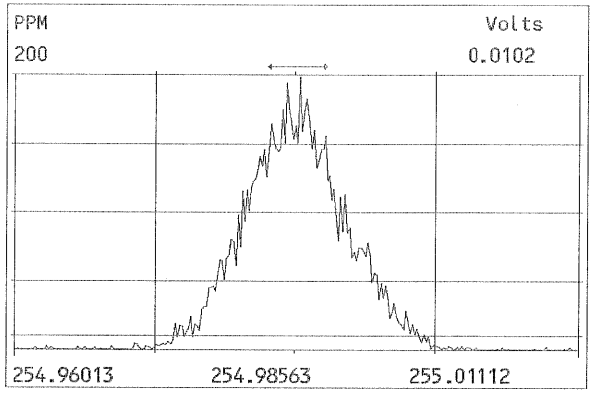


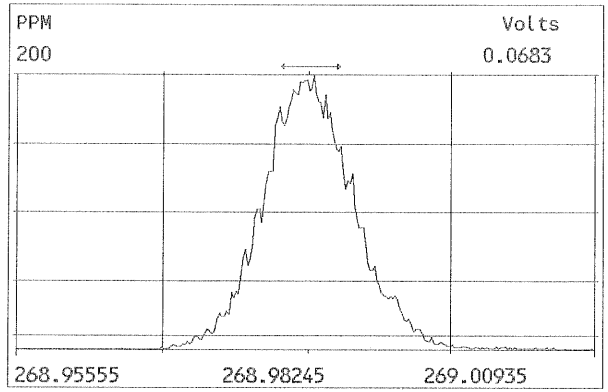


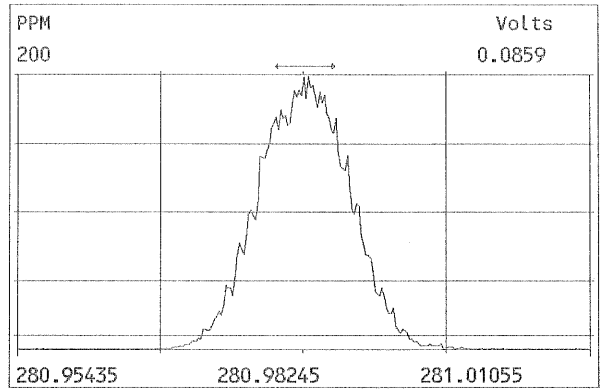


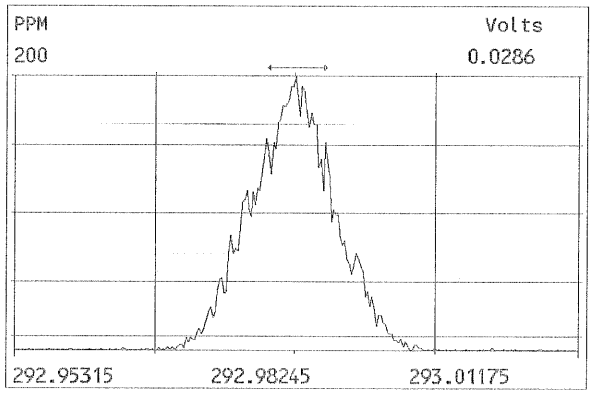


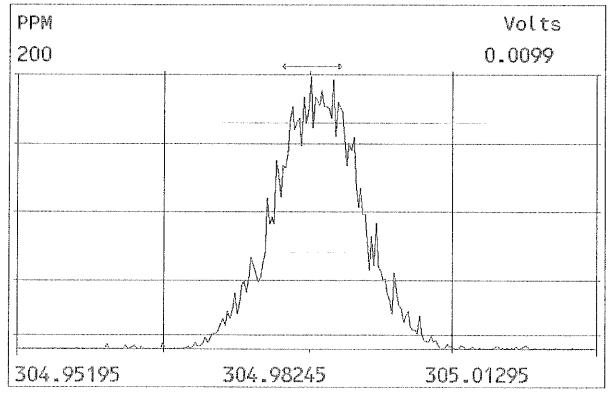
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

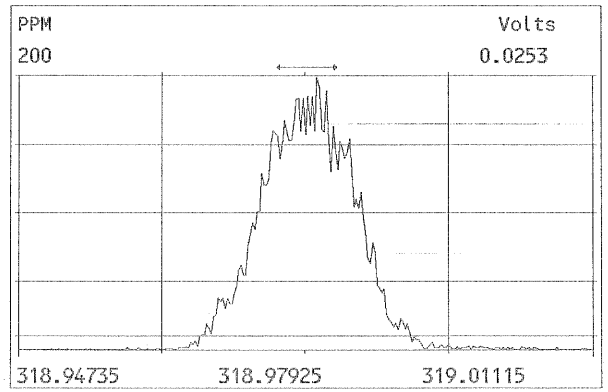


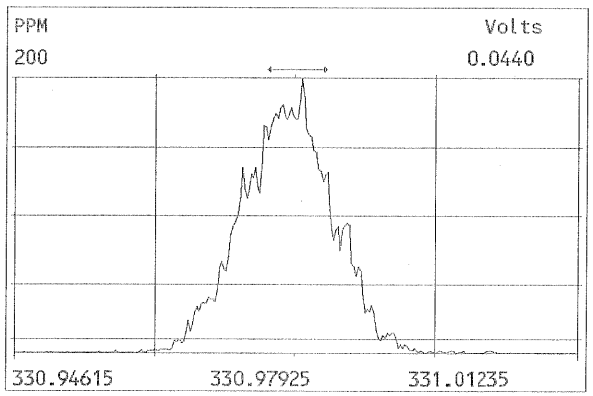


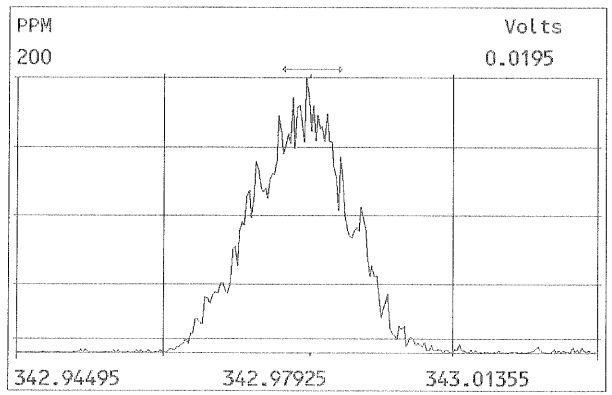






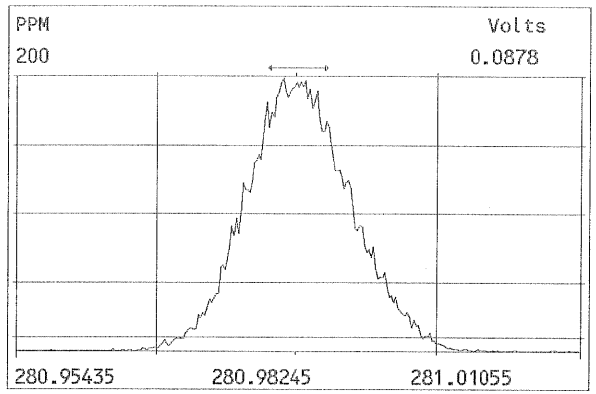


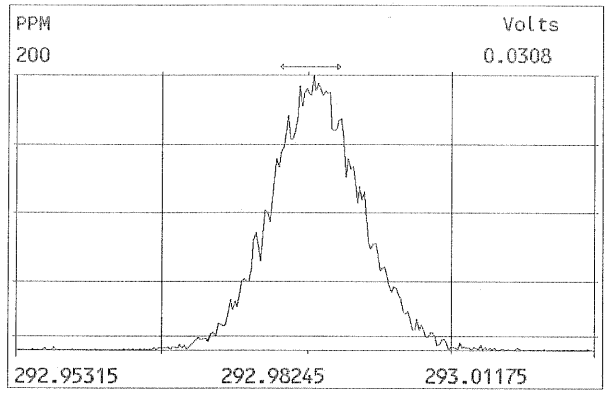


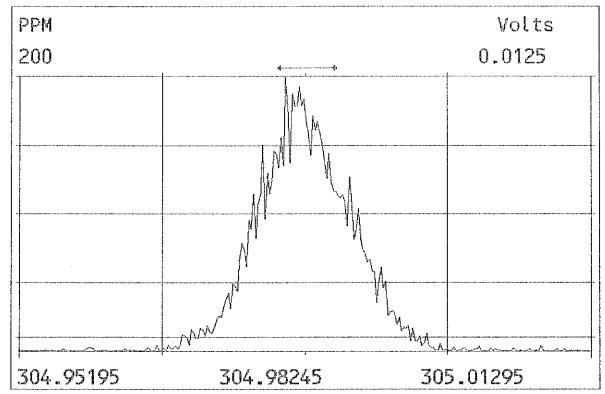


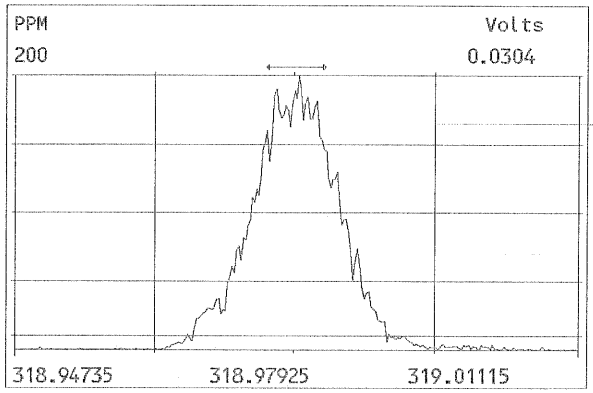
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

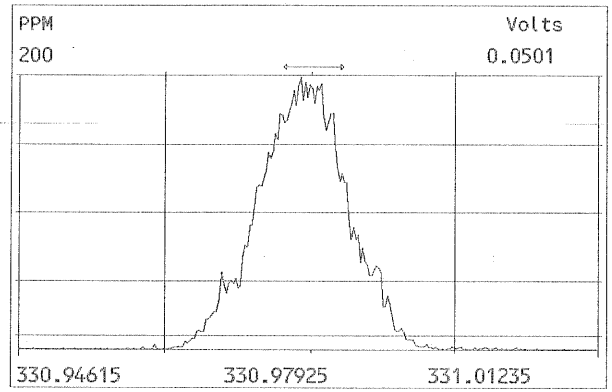
Experiment:1668PCB Function:4 Reference:PFK98

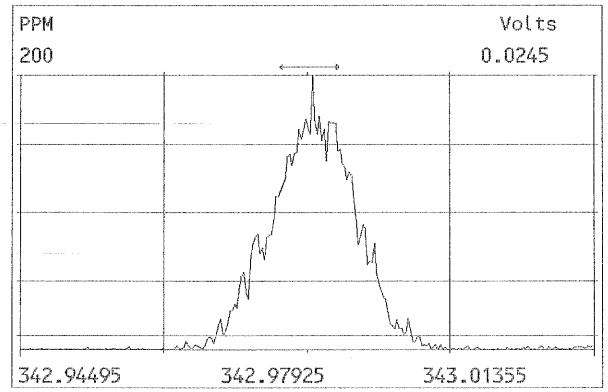


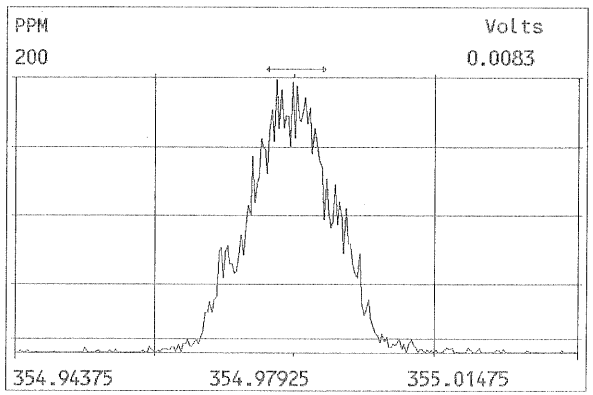


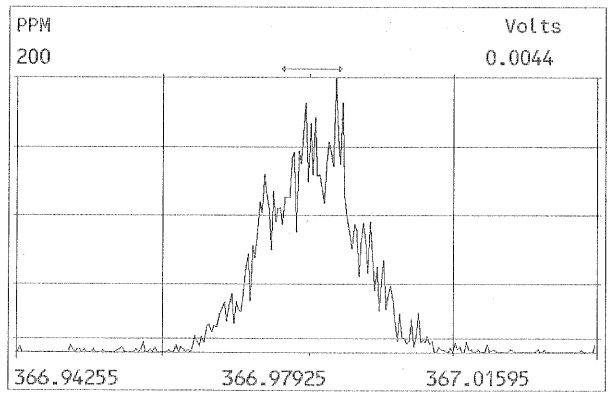


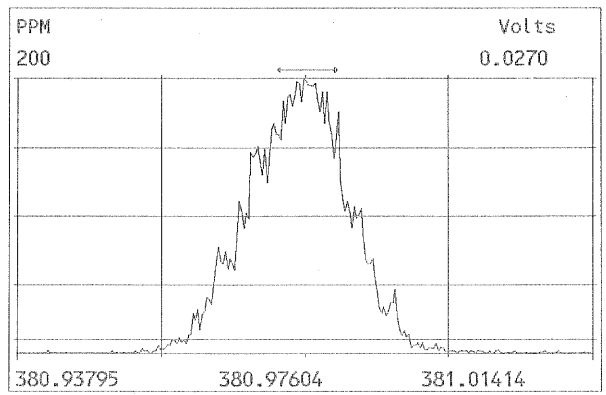




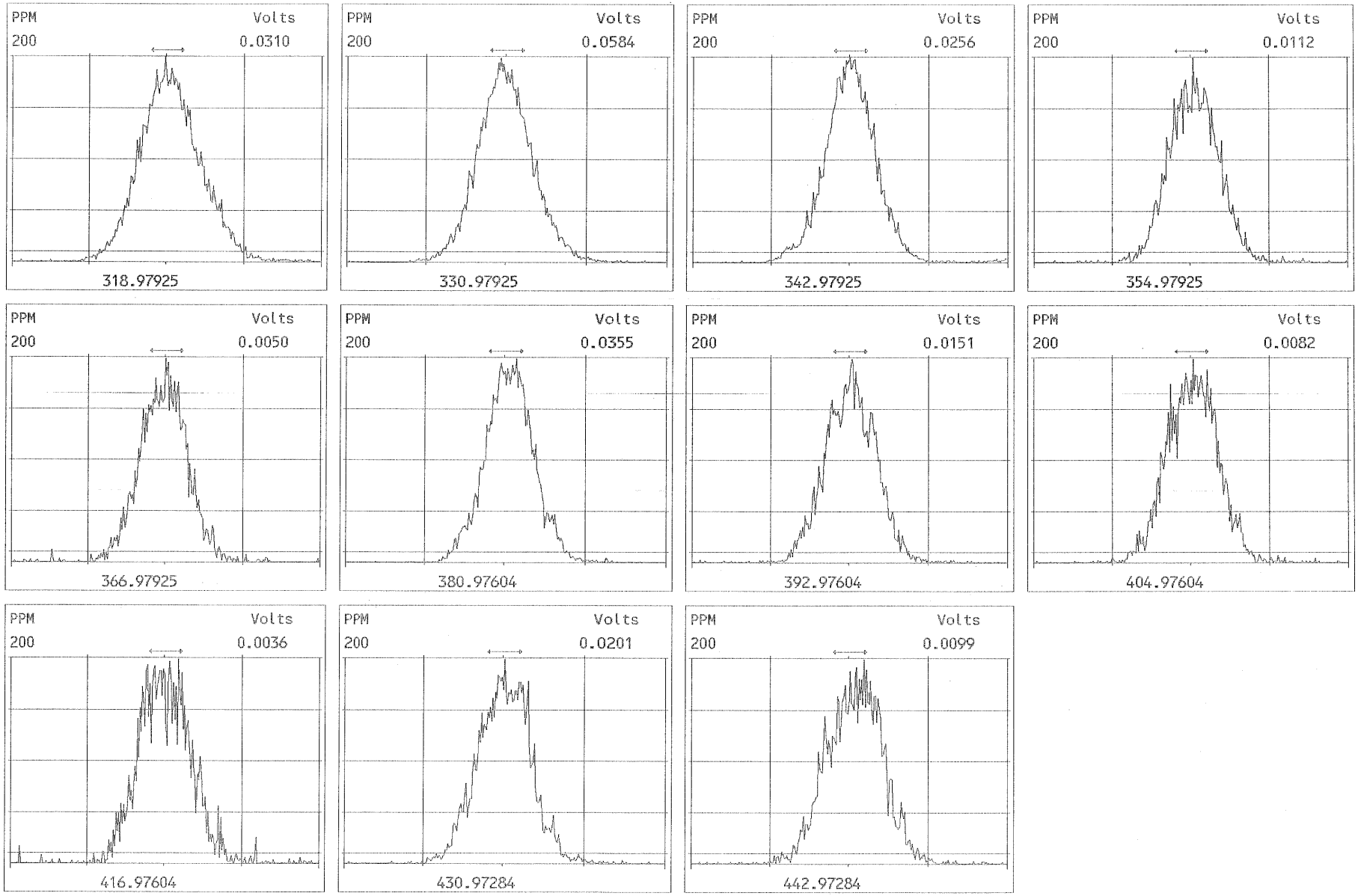




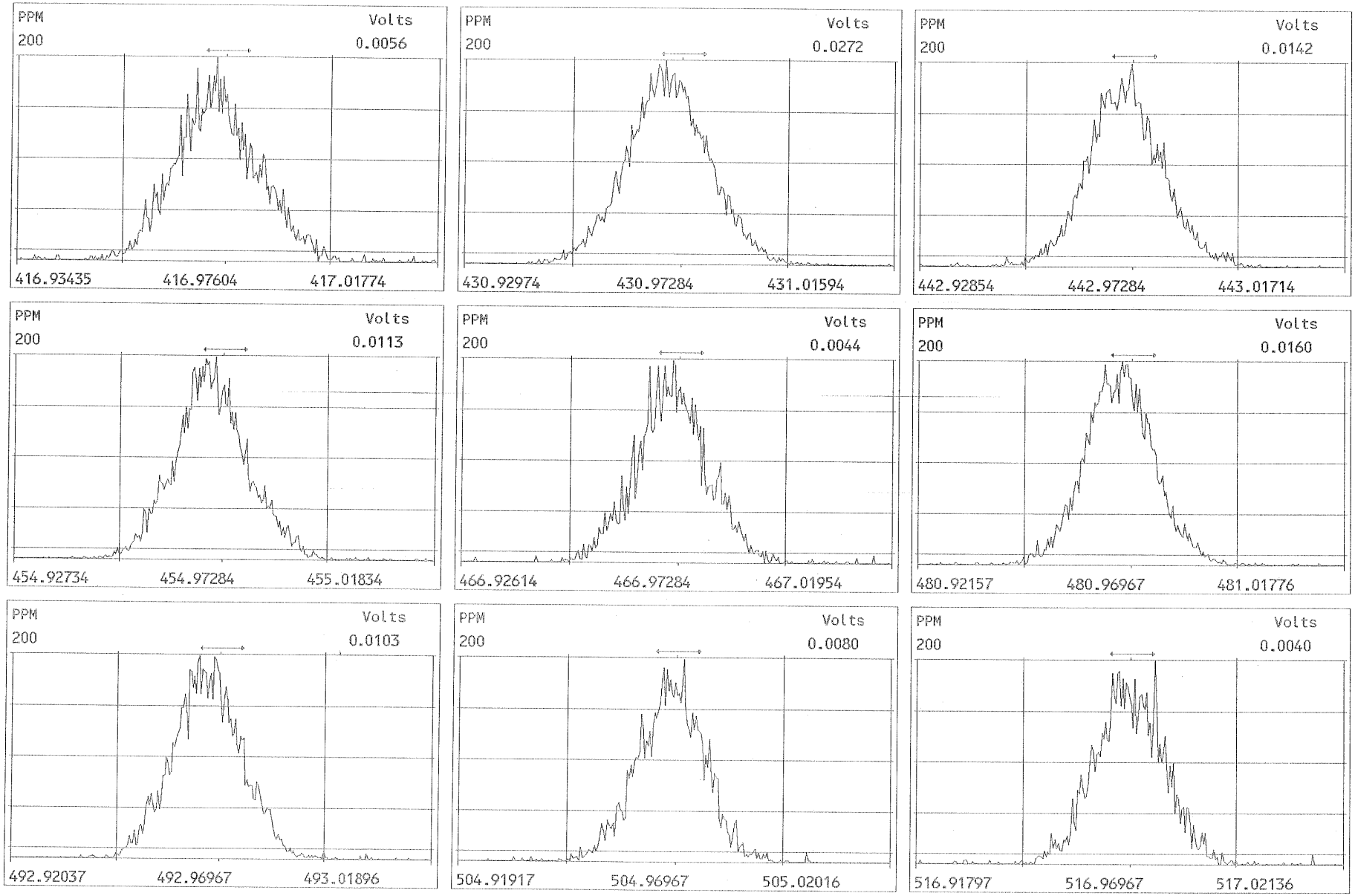




Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78



Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98



Cal: DAILY209FAL4-10-27-20

Run: 27OCT20Z Analyte: Results: 13373-13 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:27OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3662	-	1.37	
13C-PCB-1	0.7504	-	0.75	
PCB-2	1.3803	-	1.38	
PCB-3	1.3541	-	1.35	
13C-PCB-3	0.7437	-	0.74	
PCB-4	1.1356	-	1.14	
PCB-10	1.4129	-	1.41	
13C-PCB-4	0.6420	-	0.64	
PCB-9	1.4327	-	1.43	
PCB-7	1.3731	-	1.37	
PCB-6	1.3865	-	1.39	
PCB-8	1.3992	-	1.40	
PCB-5	1.4499	-	1.45	
PCB-14	1.4551	-	1.46	
PCB-11	1.3886	-	1.39	
PCB-13	1.4228	-	1.42	
PCB-12	1.4252	-	1.43	
PCB-15	1.2349	-	1.23	
13C-PCB-15	1.0710	-	1.07	
PCB-19	1.3476	-	1.35	
PCB-30	2.0538	-	2.05	
PCB-18	1.4366	-	1.44	
PCB-17	1.5149	-	1.51	
PCB-27	1.9948	-	1.99	
PCB-24	1.9599	-	1.96	
PCB-16	1.6031	-	1.60	
PCB-32	1.7775	-	1.78	
13C-PCB-19	0.3878	-	0.39	
13C-PCB-9	-	-	-	
PCB-34	1.1406	-	1.14	
PCB-23	1.2942	-	1.29	
PCB-29	1.2819	-	1.28	
PCB-26	1.2640	-	1.26	
PCB-25	1.1866	-	1.19	
PCB-31	1.3340	-	1.33	
PCB-28	1.3622	-	1.36	
PCB-20	1.2016	-	1.20	Co-elute PCB 21/33
PCB-21	1.2016	-	1.20	Co-elute PCB 20/33
PCB-33	1.2016	-	1.20	Co-elute PCB 20/21
PCB-22	1.2865	-	1.29	
PCB-36	1.2660	-	1.27	
PCB-39	1.2837	-	1.28	
PCB-38	1.3439	-	1.34	
PCB-35	1.2348	-	1.23	
PCB-37	1.2548	-	1.25	
13C-PCB-37	1.9298	-	1.93	

PCB-54	1.3304	-	1.33	
PCB-50	1.1034	-	1.10	
PCB-53	1.0764	-	1.08	
PCB-51	1.1055	-	1.11	
PCB-45	0.9610	-	0.96	
PCB-46	0.9165	-	0.92	
PCB-52	1.1137	-	1.11	Co-elute PCB 69
PCB-69	1.1137	-	1.11	Co-elute PCB 52
PCB-73	1.4500	-	1.45	
PCB-43	1.0476	-	1.05	Co-elute PCB 49
PCB-49	1.0476	-	1.05	Co-elute PCB 43
PCB-47	1.0851	-	1.09	
PCB-48	1.3090	-	1.31	Co-elute PCB 75
PCB-75	1.3090	-	1.31	Co-elute PCB 48
PCB-65	1.3469	-	1.35	
PCB-62	1.3472	-	1.35	
PCB-44	0.9145	-	0.91	
PCB-42	1.1290	-	1.13	Co-elute PCB 59
PCB-59	1.1290	-	1.13	Co-elute PCB 42
PCB-72	1.2668	-	1.27	Co-elute PCB 41/71/64
PCB-41	1.2668	-	1.27	Co-elute PCB 72/71/64
PCB-71	1.2668	-	1.27	Co-elute PCB 72/41/64
PCB-64	1.2668	-	1.27	Co-elute PCB 72/41/71
PCB-68	1.4754	-	1.48	
PCB-40	0.8159	-	0.82	
PCB-57	1.4016	-	1.40	
PCB-67	1.4447	-	1.44	
PCB-58	1.3546	-	1.35	
PCB-63	1.4130	-	1.41	
PCB-74	1.4362	-	1.44	
PCB-61	1.2948	-	1.29	Co-elute PCB 70
PCB-70	1.2948	-	1.29	Co-elute PCB 61
PCB-76	1.4527	-	1.45	Co-elute PCB 66
PCB-66	1.4527	-	1.45	Co-elute PCB 76
PCB-80	1.6263	-	1.63	
PCB-55	1.4372	-	1.44	
13C-PCB-54	1.1209	-	1.12	
PCB-104	1.2344	-	1.23	
PCB-96	1.2070	-	1.21	
PCB-103	1.0326	-	1.03	
PCB-100	1.0385	-	1.04	
PCB-94	0.8672	-	0.87	
PCB-98	0.8575	-	0.86	Co-elute PCB 102
PCB-102	0.8575	-	0.86	Co-elute PCB 98
PCB-95	1.0107	-	1.01	
PCB-93	0.8578	-	0.86	
PCB-88	0.9648	-	0.96	Co-elute PCB 91
PCB-91	0.9648	-	0.96	Co-elute PCB 88
PCB-121	1.1538	-	1.15	
13C-PCB-104	0.7043	-	0.70	
13C-PCB-28	2.2384	-	2.24	
13C-PCB-52	-	-	-	

PCB-56	1.2373	-	1.24	Co-elute PCB 60
PCB-60	1.2373	-	1.24	Co-elute PCB 56
PCB-79	1.3075	-	1.31	
PCB-78	1.3124	-	1.31	
PCB-81	1.3722	-	1.37	
13C-PCB-81	1.8655	-	1.87	
PCB-77	1.2499	-	1.25	
13C-PCB-77	1.8967	-	1.90	
PCB-155	1.1444	-	1.14	
PCB-150	1.1464	-	1.15	
PCB-152	1.1167	-	1.12	
PCB-145	1.0975	-	1.10	
PCB-136	1.0518	-	1.05	
PCB-148	0.9189	-	0.92	
PCB-154	1.0150	-	1.01	
13C-PCB-155	0.9426	-	0.94	
13C-PCB-111	1.2655	-	1.27	
13C-PCB-101	-	-	-	
PCB-84	0.6074	-	0.61	Co-elute PCB 92
PCB-92	0.6074	-	0.61	Co-elute PCB 84
PCB-89	0.5929	-	0.59	
PCB-90	0.6922	-	0.69	Co-elute PCB 101
PCB-101	0.6922	-	0.69	Co-elute PCB 90
PCB-113	0.8182	-	0.82	
PCB-99	0.7392	-	0.74	
PCB-119	0.9124	-	0.91	
PCB-83	0.7192	-	0.72	Co-elute PCB 112
PCB-112	0.7192	-	0.72	Co-elute PCB 83
PCB-109	0.8448	-	0.84	
PCB-97	0.5999	-	0.60	
PCB-86	0.5668	-	0.57	
PCB-125	0.8149	-	0.81	Co-elute PCB 87/117
PCB-87	0.8149	-	0.81	Co-elute PCB 125/117
PCB-117	0.8149	-	0.81	Co-elute PCB 125/87
PCB-111	0.8868	-	0.89	Co-elute PCB 115
PCB-115	0.8868	-	0.89	Co-elute PCB 111
PCB-85	0.7703	-	0.77	Co-elute PCB 116
PCB-116	0.7703	-	0.77	Co-elute PCB 85
PCB-120	0.9393	-	0.94	
PCB-110	0.8923	-	0.89	
PCB-82	0.5602	-	0.56	
PCB-124	1.2503	-	1.25	
PCB-108	1.1828	-	1.18	Co-elute PCB 107
PCB-107	1.1828	-	1.18	Co-elute PCB 108
PCB-123	1.0760	-	1.08	
13C-PCB-123	1.5364	-	1.54	
PCB-118	1.1659	-	1.17	Co-elute PCB 106
PCB-106	1.1659	-	1.17	Co-elute PCB 118
13C-PCB-118	1.6009	-	1.60	
PCB-114	1.1867	-	1.19	
13C-PCB-114	1.5737	-	1.57	
PCB-122	1.2255	-	1.23	
PCB-105	1.2445	-	1.24	
13C-PCB-105	1.5152	-	1.52	
PCB-127	1.1614	-	1.16	
PCB-126	1.1833	-	1.18	
13C-PCB-126	1.5664	-	1.57	

PCB-151	0.9764	-	0.98	
PCB-135	0.9111	*	0.91	
PCB-144	1.1173	-	1.12	
PCB-147	1.0126	-	1.01	
PCB-139	1.0453	*	1.05	Co-elute PCB 149
PCB-149	1.0453	*	1.05	Co-elute PCB 139
PCB-140	1.0405	-	1.04	
PCB-143	0.8855	*	0.89	Co-elute PCB 134
PCB-134	0.8855	*	0.89	Co-elute PCB 143
PCB-131	0.8912	-	0.89	Co-elute PCB 133
PCB-133	0.8912	-	0.89	Co-elute PCB 131
PCB-142	0.8705	-	0.87	
PCB-165	1.1580	*	1.16	Co-elute PCB 146
PCB-146	1.1580	*	1.16	Co-elute PCB 165
PCB-161	1.0606	*	1.06	Co-elute PCB 132
PCB-132	1.0606	*	1.06	Co-elute PCB 161
PCB-153	1.2287	*	1.23	
PCB-168	1.2572	*	1.26	
PCB-141	0.9984	*	1.00	
PCB-137	0.9776	-	0.98	
PCB-130	0.9450	-	0.94	
PCB-138	1.1557	*	1.16	Co-elute PCB 163/164
PCB-163	1.1557	*	1.16	Co-elute PCB 138/164
PCB-164	1.1557	*	1.16	Co-elute PCB 138/163
PCB-158	1.3168	*	1.32	Co-elute PCB 160
PCB-160	1.3168	*	1.32	Co-elute PCB 158
PCB-129	0.8513	*	0.85	
PCB-166	1.3044	-	1.30	
PCB-159	1.3308	*	1.33	
PCB-128	1.0945	*	1.09	Co-elute PCB 162
PCB-162	1.0945	*	1.09	Co-elute PCB 128
PCB-167	1.2360	*	1.24	
13C-PCB-167	1.1396	-	1.14	
PCB-156	1.3009	-	1.30	
13C-PCB-156	1.1078	-	1.11	
PCB-157	1.2468	-	1.25	
13C-PCB-157	1.1095	-	1.11	
PCB-169	1.2276	-	1.23	
13C-PCB-169	1.0892	-	1.09	
PCB-188	1.2322	-	1.23	
13C-PCB-188	0.8006	-	0.80	

PCB-184	1.3810	-	1.38	
PCB-179	1.2978	-	1.30	
PCB-176	1.2963	-	1.30	
PCB-186	1.2839	-	1.28	
PCB-178	0.9396	-	0.94	
PCB-175	0.9899	-	0.99	
PCB-187	1.0703	-	1.07	Co-elute PCB 182
PCB-182	1.0703	-	1.07	Co-elute PCB 187
PCB-183	1.0396	-	1.04	
PCB-185	0.9581	-	0.96	
PCB-174	1.0123	-	1.01	
PCB-181	0.9521	-	0.95	
PCB-177	0.8926	-	0.89	
PCB-171	0.9450	-	0.95	
PCB-173	0.8607	-	0.86	
PCB-172	0.8892	-	0.89	
PCB-192	1.1804	-	1.18	
PCB-180	0.9432	-	0.94	
PCB-193	1.2517	-	1.25	
PCB-191	1.2320	-	1.23	
PCB-170	0.8893	-	0.89	
PCB-190	1.1881	-	1.19	
PCB-189	1.2100	-	1.21	
13C-PCB-189	0.7301	-	0.73	
PCB-202	1.0959	-	1.10	
PCB-201	1.2539	-	1.25	
PCB-204	1.1917	-	1.19	
PCB-197	1.2020	-	1.20	
PCB-200	1.2083	-	1.21	
PCB-198	0.8109	-	0.81	
PCB-199	0.9294	-	0.93	
PCB-203	0.9274	-	0.93	Co-elute PCB 196
PCB-196	0.9274	-	0.93	Co-elute PCB 203
13C-PCB-202	0.5495	-	0.55	
13C-PCB-178	0.6245	-	0.62	
13C-PCB-138	-	-	-	
PCB-195	0.9117	-	0.91	
PCB-194	0.9681	-	0.97	
PCB-205	1.1728	-	1.17	
13C-PCB-205	1.2035	-	1.20	
PCB-208	1.1329	-	1.13	
13C-PCB-208	0.9798	-	0.98	
PCB-207	1.3287	-	1.33	
PCB-206	1.1945	-	1.19	
13C-PCB-206	0.6965	-	0.70	
PCB-209	1.2303	-	1.23	
13C-PCB-209	0.6971	-	0.70	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 10/30/20

Run #1 Filename 27OCT20Z S: 1 Acquired: 27-OCT-20 06:40:09 Cal: DAILY209FAL4-10-27-20
Client ID: ST10272021 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.99e+07	3.20 y	14:33	-	1.37	
2	IS/RT	13C-PCB-1	100.00	4.38e+07	3.29 y	14:32	-	0.750	
3	Unk	PCB-2	50.00	3.01e+07	3.21 y	16:46	-	1.38	
4	Unk	PCB-3	50.00	2.94e+07	3.16 y	16:59	-	1.35	
5	IS/RT	13C-PCB-3	100.00	4.34e+07	3.29 y	16:58	-	0.744	
6	Unk	PCB-4	50.00	2.13e+07	1.43 y	18:14	-	1.14	
7	Unk	PCB-10	50.00	3.53e+07	1.54 y	18:17	-	1.41	
8	IS/RT	13C-PCB-4	100.00	3.74e+07	1.57 y	18:12	-	0.642	
9	Unk	PCB-9	50.00	3.58e+07	1.53 y	19:55	-	1.43	
10	Unk	PCB-7	50.00	3.43e+07	1.52 y	19:56	-	1.37	
11	Unk	PCB-6	50.00	3.46e+07	1.51 y	20:32	-	1.39	
12	Unk	PCB-8	50.00	3.50e+07	1.49 y	20:54	-	1.40	
13	Unk	PCB-5	50.00	3.62e+07	1.57 y	20:57	-	1.45	
14	Unk	PCB-14	50.00	3.63e+07	1.55 y	21:57	-	1.46	
15	Unk	PCB-11	50.00	3.47e+07	1.56 y	23:05	-	1.39	
16	Unk	PCB-13	50.00	3.55e+07	1.52 y	23:25	-	1.42	
17	Unk	PCB-12	50.00	3.56e+07	1.58 y	23:29	-	1.43	
18	Unk	PCB-15	50.00	3.86e+07	1.54 y	23:45	-	1.23	
19	IS/RT	13C-PCB-15	100.00	6.25e+07	1.63 y	23:44	-	1.07	
20	Unk	PCB-19	50.00	1.52e+07	1.07 y	22:07	-	1.35	
21	Unk	PCB-30	50.00	2.32e+07	1.08 y	22:58	-	2.05	
22	Unk	PCB-18	50.00	1.63e+07	1.09 y	23:40	-	1.44	
23	Unk	PCB-17	50.00	1.71e+07	1.06 y	23:50	-	1.51	
24	Unk	PCB-27	50.00	2.26e+07	1.10 y	24:22	-	1.99	
25	Unk	PCB-24	50.00	2.22e+07	1.06 y	24:23	-	1.96	
26	Unk	PCB-16	50.00	1.81e+07	1.07 y	24:51	-	1.60	
27	Unk	PCB-32	50.00	2.01e+07	1.11 y	24:52	-	1.78	
28	IS/RT	13C-PCB-19	100.00	2.26e+07	1.10 y	22:06	-	0.388	
29	RS	13C-PCB-9	100.00	5.83e+07	1.61 y	19:53	5.83e+05	-	
30	Unk	PCB-34	50.00	3.00e+07	1.03 y	25:36	-	1.14	
31	Unk	PCB-23	50.00	3.41e+07	1.04 y	25:43	-	1.29	
32	Unk	PCB-29	50.00	3.37e+07	1.04 y	25:57	-	1.28	
33	Unk	PCB-26	50.00	3.33e+07	1.05 y	26:08	-	1.26	
34	Unk	PCB-25	50.00	3.12e+07	1.05 y	26:17	-	1.19	
35	Unk	PCB-31	50.00	3.51e+07	1.05 y	26:37	-	1.33	
36	Unk	PCB-28	50.00	3.59e+07	1.05 y	26:43	-	1.36	
37	Unk	PCB-20	150.00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.39e+07	1.05 y	27:44	-	1.29	
41	Unk	PCB-36	50.00	3.33e+07	1.06 y	28:18	-	1.27	
42	Unk	PCB-39	50.00	3.38e+07	1.04 y	28:45	-	1.28	
43	Unk	PCB-38	50.00	3.54e+07	1.07 y	29:29	-	1.34	
44	Unk	PCB-35	50.00	3.25e+07	1.06 y	29:59	-	1.23	
45	Unk	PCB-37	50.00	3.30e+07	1.05 y	30:23	-	1.25	
46	IS	13C-PCB-37	100.00	5.26e+07	1.08 y	30:22	-	1.93	

47	Unk	PCB-54	100.00	4.07e+07	0.82 y	25:39	-	1.33	
48	Unk	PCB-50	100.00	3.37e+07	0.79 y	26:46	-	1.10	
49	Unk	PCB-53	100.00	3.29e+07	0.79 y	27:21	-	1.08	
50	Unk	PCB-51	100.00	3.38e+07	0.79 y	27:42	-	1.11	
51	Unk	PCB-45	100.00	2.94e+07	0.79 y	28:06	-	0.961	
52	Unk	PCB-46	100.00	2.80e+07	0.79 y	28:33	-	0.916	
53	Unk	PCB-52	200.00	6.81e+07	0.79 y	29:01	-	1.11	Co-elute PCB 69
54	Unk	PCB-69	200.00	6.81e+07	0.79 y	29:01	-	1.11	Co-elute PCB 52
55	Unk	PCB-73	100.00	4.43e+07	0.80 y	29:06	-	1.45	
56	Unk	PCB-43	200.00	6.41e+07	0.80 y	29:16	-	1.05	Co-elute PCB 49
57	Unk	PCB-49	200.00	6.41e+07	0.80 y	29:16	-	1.05	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.32e+07	0.78 y	29:29	-	1.09	
59	Unk	PCB-48	200.00	8.01e+07	0.80 y	29:35	-	1.31	Co-elute PCB 75
60	Unk	PCB-75	200.00	8.01e+07	0.80 y	29:35	-	1.31	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.12e+07	0.88 y	29:51	-	1.35	
62	Unk	PCB-62	100.00	4.12e+07	0.71 y	29:57	-	1.35	
63	Unk	PCB-44	100.00	2.80e+07	0.79 y	30:13	-	0.915	
64	Unk	PCB-42	200.00	6.90e+07	0.79 y	30:26	-	1.13	Co-elute PCB 59
65	Unk	PCB-59	200.00	6.90e+07	0.79 y	30:26	-	1.13	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	4.51e+07	0.80 y	31:14	-	1.48	
71	Unk	PCB-40	100.00	2.49e+07	0.80 y	31:27	-	0.816	
72	Unk	PCB-57	100.00	4.29e+07	0.80 y	31:47	-	1.40	
73	Unk	PCB-67	100.00	4.42e+07	0.79 y	32:05	-	1.44	
74	Unk	PCB-58	100.00	4.14e+07	0.81 y	32:11	-	1.35	
75	Unk	PCB-63	100.00	4.32e+07	0.79 y	32:21	-	1.41	
76	Unk	PCB-74	100.00	4.39e+07	0.79 y	32:36	-	1.44	
77	Unk	PCB-61	200.00	7.92e+07	0.80 y	32:49	-	1.29	Co-elute PCB 70
78	Unk	PCB-70	200.00	7.92e+07	0.80 y	32:49	-	1.29	Co-elute PCB 61
79	Unk	PCB-76	200.00	8.88e+07	0.80 y	33:00	-	1.45	Co-elute PCB 66
80	Unk	PCB-66	200.00	8.88e+07	0.80 y	33:00	-	1.45	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.97e+07	0.80 y	33:13	-	1.63	
82	Unk	PCB-55	100.00	4.39e+07	0.80 y	33:31	-	1.44	
83	IS/RT	13C-PCB-54	100.00	3.06e+07	0.81 y	25:38	-	1.12	
84	Unk	PCB-104	100.00	2.37e+07	1.58 y	30:06	-	1.23	
85	Unk	PCB-96	100.00	2.32e+07	1.61 y	31:18	-	1.21	
86	Unk	PCB-103	100.00	1.98e+07	1.61 y	31:48	-	1.03	
87	Unk	PCB-100	100.00	2.00e+07	1.58 y	32:08	-	1.04	
88	Unk	PCB-94	100.00	1.67e+07	1.60 y	32:35	-	0.867	
89	Unk	PCB-98	200.00	3.29e+07	1.59 y	33:01	-	0.858	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.29e+07	1.59 y	33:01	-	0.858	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.94e+07	1.59 y	33:05	-	1.01	
92	Unk	PCB-93	100.00	1.65e+07	1.62 y	33:10	-	0.858	
93	Unk	PCB-88	200.00	3.71e+07	1.58 y	33:28	-	0.965	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.71e+07	1.58 y	33:28	-	0.965	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.22e+07	1.64 y	33:32	-	1.15	
96	IS	13C-PCB-104	100.00	1.92e+07	1.59 y	30:04	-	0.704	
97	C/Up	13C-PCB-28	100.00	6.11e+07	1.08 y	26:42	-	2.24	
98	RS	13C-PCB-52	100.00	2.73e+07	0.80 y	28:59	2.73e+05	-	
99	Unk	PCB-56	200.00	1.06e+08	0.79 y	33:59	-	1.24	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.06e+08	0.79 y	33:59	-	1.24	Co-elute PCB 56

101	Unk	PCB-79	100.00	5.63e+07	0.80 y	35:00	-	1.31	
102	Unk	PCB-78	100.00	5.65e+07	0.80 y	35:39	-	1.31	
103	Unk	PCB-81	100.00	5.86e+07	0.80 y	36:10	-	1.37	
104	IS	13C-PCB-81	100.00	4.27e+07	0.79 y	36:08	-	1.87	
105	Unk	PCB-77	100.00	5.42e+07	0.82 y	36:44	-	1.25	
106	IS/RT	13C-PCB-77	100.00	4.34e+07	0.80 y	36:42	-	1.90	
107	Unk	PCB-155	100.00	2.47e+07	1.25 y	34:15	-	1.14	
108	Unk	PCB-150	100.00	2.47e+07	1.27 y	35:27	-	1.15	
109	Unk	PCB-152	100.00	2.41e+07	1.27 y	35:54	-	1.12	
110	Unk	PCB-145	100.00	2.37e+07	1.26 y	36:20	-	1.10	
111	Unk	PCB-136	100.00	2.27e+07	1.30 y	36:37	-	1.05	
112	Unk	PCB-148	100.00	1.98e+07	1.25 y	36:42	-	0.919	
113	Unk	PCB-154	100.00	2.19e+07	1.25 y	37:10	-	1.01	
114	IS	13C-PCB-155	100.00	2.16e+07	1.30 y	34:13	-	0.943	
115	C/Up	13C-PCB-111	100.00	2.90e+07	1.62 y	36:18	-	1.27	
116	RS	13C-PCB-101	100.00	2.29e+07	1.60 y	34:40	2.29e+05	-	
117	Unk	PCB-84	200.00	4.92e+07	1.60 y	34:20	-	0.607	Co-elute PCB 92
118	Unk	PCB-92	200.00	4.92e+07	1.60 y	34:20	-	0.607	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.40e+07	1.57 y	34:31	-	0.593	
120	Unk	PCB-90	200.00	5.61e+07	1.60 y	34:41	-	0.692	Co-elute PCB 101
121	Unk	PCB-101	200.00	5.61e+07	1.60 y	34:41	-	0.692	Co-elute PCB 90
122	Unk	PCB-113	100.00	3.32e+07	1.57 y	34:54	-	0.818	
123	Unk	PCB-99	100.00	3.00e+07	1.59 y	35:00	-	0.739	
124	Unk	PCB-119	100.00	3.70e+07	1.59 y	35:27	-	0.912	
125	Unk	PCB-83	200.00	5.83e+07	1.59 y	35:35	-	0.719	Co-elute PCB 112
126	Unk	PCB-112	200.00	5.83e+07	1.59 y	35:35	-	0.719	Co-elute PCB 83
127	Unk	PCB-109	100.00	3.42e+07	1.59 y	35:44	-	0.845	
128	Unk	PCB-97	100.00	2.43e+07	1.60 y	35:56	-	0.600	
129	Unk	PCB-86	100.00	2.30e+07	1.56 y	36:05	-	0.567	
130	Unk	PCB-125	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	7.19e+07	1.59 y	36:20	-	0.887	Co-elute PCB 115
134	Unk	PCB-115	200.00	7.19e+07	1.59 y	36:20	-	0.887	Co-elute PCB 111
135	Unk	PCB-85	200.00	6.24e+07	1.62 y	36:27	-	0.770	Co-elute PCB 116
136	Unk	PCB-116	200.00	6.24e+07	1.62 y	36:27	-	0.770	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.81e+07	1.57 y	36:40	-	0.939	
138	Unk	PCB-110	100.00	3.62e+07	1.61 y	36:49	-	0.892	
139	Unk	PCB-82	100.00	2.27e+07	1.57 y	37:24	-	0.560	
140	Unk	PCB-124	100.00	5.07e+07	1.70 y	38:03	-	1.25	
141	Unk	PCB-108	200.00	9.59e+07	1.46 y	38:11	-	1.18	Co-elute PCB 107
142	Unk	PCB-107	200.00	9.59e+07	1.46 y	38:11	-	1.18	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.30e+07	1.56 y	38:21	-	1.08	
144	IS	13C-PCB-123	100.00	4.00e+07	1.61 y	38:21	-	1.54	
145	Unk	PCB-118	200.00	9.72e+07	1.56 y	38:34	-	1.17	Co-elute PCB 106
146	Unk	PCB-106	200.00	9.72e+07	1.56 y	38:34	-	1.17	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.17e+07	1.61 y	38:31	-	1.60	
148	Unk	PCB-114	100.00	4.86e+07	1.55 y	39:09	-	1.19	
149	IS	13C-PCB-114	100.00	4.10e+07	1.61 y	39:07	-	1.57	
150	Unk	PCB-122	100.00	4.97e+07	1.54 y	39:17	-	1.23	
151	Unk	PCB-105	100.00	4.91e+07	1.54 y	39:58	-	1.24	
152	IS	13C-PCB-105	100.00	3.95e+07	1.61 y	39:56	-	1.52	
153	Unk	PCB-127	100.00	4.71e+07	1.55 y	40:16	-	1.16	
154	Unk	PCB-126	100.00	4.83e+07	1.56 y	42:05	-	1.18	
155	IS	13C-PCB-126	100.00	4.08e+07	1.60 y	42:03	-	1.57	

156	Unk	PCB-151	100.00	2.83e+07	1.28 y	37:48	-	0.976	
157	Unk	PCB-135	100.00	2.64e+07	1.25 y	38:01	-	0.911	
158	Unk	PCB-144	100.00	3.23e+07	1.29 y	38:06	-	1.12	
159	Unk	PCB-147	100.00	2.93e+07	1.30 y	38:14	-	1.01	
160	Unk	PCB-139	200.00	6.05e+07	1.27 y	38:29	-	1.05	Co-elute PCB 149
161	Unk	PCB-149	200.00	6.05e+07	1.27 y	38:29	-	1.05	Co-elute PCB 139
162	Unk	PCB-140	100.00	3.01e+07	1.29 y	38:39	-	1.04	
163	Unk	PCB-143	200.00	5.13e+07	1.28 y	39:04	-	0.886	Co-elute PCB 134
164	Unk	PCB-134	200.00	5.13e+07	1.28 y	39:04	-	0.886	Co-elute PCB 143
165	Unk	PCB-131	200.00	5.16e+07	1.27 y	39:20	-	0.891	Co-elute PCB 133
166	Unk	PCB-133	200.00	5.16e+07	1.27 y	39:20	-	0.891	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.52e+07	1.29 y	39:30	-	0.871	
168	Unk	PCB-165	200.00	6.70e+07	1.26 y	39:42	-	1.16	Co-elute PCB 146
169	Unk	PCB-146	200.00	6.70e+07	1.26 y	39:42	-	1.16	Co-elute PCB 165
170	Unk	PCB-161	200.00	6.14e+07	1.26 y	39:55	-	1.06	Co-elute PCB 132
171	Unk	PCB-132	200.00	6.14e+07	1.26 y	39:55	-	1.06	Co-elute PCB 161
172	Unk	PCB-153	100.00	3.56e+07	1.28 y	40:06	-	1.23	
173	Unk	PCB-168	100.00	3.64e+07	1.28 y	40:18	-	1.26	
174	Unk	PCB-141	100.00	2.89e+07	1.29 y	40:47	-	0.998	
175	Unk	PCB-137	100.00	2.83e+07	1.27 y	41:09	-	0.978	
176	Unk	PCB-130	100.00	2.74e+07	1.29 y	41:15	-	0.945	
177	Unk	PCB-138	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	7.62e+07	1.27 y	41:50	-	1.32	Co-elute PCB 160
181	Unk	PCB-160	200.00	7.62e+07	1.27 y	41:50	-	1.32	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.46e+07	1.27 y	42:05	-	0.851	
183	Unk	PCB-166	100.00	3.78e+07	1.27 y	42:31	-	1.30	
184	Unk	PCB-159	100.00	3.85e+07	1.29 y	42:48	-	1.33	
185	Unk	PCB-128	200.00	6.34e+07	1.27 y	43:04	-	1.09	Co-elute PCB 162
186	Unk	PCB-162	200.00	6.34e+07	1.27 y	43:04	-	1.09	Co-elute PCB 128
187	Unk	PCB-167	100.00	3.67e+07	1.27 y	43:27	-	1.24	
188	IS	13C-PCB-167	100.00	2.97e+07	1.30 y	43:25	-	1.14	
189	Unk	PCB-156	100.00	3.75e+07	1.28 y	44:41	-	1.30	
190	IS	13C-PCB-156	100.00	2.88e+07	1.31 y	44:40	-	1.11	
191	Unk	PCB-157	100.00	3.60e+07	1.28 y	44:56	-	1.25	
192	IS	13C-PCB-157	100.00	2.89e+07	1.31 y	44:54	-	1.11	
193	Unk	PCB-169	100.00	3.48e+07	1.28 y	46:46	-	1.23	
194	IS	13C-PCB-169	100.00	2.84e+07	1.29 y	46:46	-	1.09	
195	Unk	PCB-188	100.00	2.57e+07	1.06 y	39:45	-	1.23	
196	IS	13C-PCB-188	100.00	2.08e+07	1.08 y	39:43	-	0.801	

197	Unk	PCB-184	100.00	2.75e+07	1.06 y	40:10	-	1.38	
198	Unk	PCB-179	100.00	2.59e+07	1.08 y	40:54	-	1.30	
199	Unk	PCB-176	100.00	2.58e+07	1.09 y	41:20	-	1.30	
200	Unk	PCB-186	100.00	2.56e+07	1.07 y	41:55	-	1.28	
201	Unk	PCB-178	100.00	1.87e+07	1.08 y	42:23	-	0.940	
202	Unk	PCB-175	100.00	1.97e+07	1.08 y	42:43	-	0.990	
203	Unk	PCB-187	200.00	4.27e+07	1.07 y	42:53	-	1.07	Co-elute PCB 182
204	Unk	PCB-182	200.00	4.27e+07	1.07 y	42:53	-	1.07	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.07e+07	1.07 y	43:11	-	1.04	
206	Unk	PCB-185	100.00	1.91e+07	1.06 y	43:47	-	0.958	
207	Unk	PCB-174	100.00	2.02e+07	1.06 y	44:08	-	1.01	
208	Unk	PCB-181	100.00	1.90e+07	1.08 y	44:15	-	0.952	
209	Unk	PCB-177	100.00	1.78e+07	1.09 y	44:23	-	0.893	
210	Unk	PCB-171	100.00	1.88e+07	1.07 y	44:40	-	0.945	
211	Unk	PCB-173	100.00	1.72e+07	1.07 y	45:04	-	0.861	
212	Unk	PCB-172	100.00	1.77e+07	1.06 y	45:27	-	0.889	
213	Unk	PCB-192	100.00	2.35e+07	1.07 y	45:39	-	1.18	
214	Unk	PCB-180	100.00	1.88e+07	1.06 y	45:49	-	0.943	
215	Unk	PCB-193	100.00	2.49e+07	1.06 y	45:59	-	1.25	
216	Unk	PCB-191	100.00	2.46e+07	1.07 y	46:12	-	1.23	
217	Unk	PCB-170	100.00	1.77e+07	1.08 y	47:06	-	0.889	
218	Unk	PCB-190	100.00	2.37e+07	1.05 y	47:16	-	1.19	
219	Unk	PCB-189	100.00	2.30e+07	1.07 y	48:27	-	1.21	
220	IS	13C-PCB-189	100.00	1.90e+07	1.09 y	48:27	-	0.730	
221	Unk	PCB-202	150.00	2.35e+07	0.93 y	44:51	-	1.10	
222	Unk	PCB-201	150.00	2.69e+07	0.92 y	45:17	-	1.25	
223	Unk	PCB-204	150.00	2.56e+07	0.93 y	45:26	-	1.19	
224	Unk	PCB-197	150.00	2.58e+07	0.94 y	45:42	-	1.20	
225	Unk	PCB-200	150.00	2.59e+07	0.92 y	46:27	-	1.21	
226	Unk	PCB-198	150.00	1.74e+07	0.90 y	47:37	-	0.811	
227	Unk	PCB-199	150.00	1.99e+07	0.93 y	47:42	-	0.929	
228	Unk	PCB-203	300.00	3.98e+07	0.91 y	47:57	-	0.927	Co-elute PCB 196
229	Unk	PCB-196	300.00	3.98e+07	0.91 y	47:57	-	0.927	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.43e+07	0.92 y	44:49	-	0.549	
231	C/Up	13C-PCB-178	100.00	1.63e+07	1.09 y	42:21	-	0.625	
232	RS	13C-PCB-138	100.00	2.60e+07	1.30 y	41:34	2.60e+05	-	
233	Unk	PCB-195	150.00	4.31e+07	0.90 y	49:03	-	0.912	
234	Unk	PCB-194	150.00	4.58e+07	0.91 y	49:52	-	0.968	
235	Unk	PCB-205	150.00	5.54e+07	0.91 y	50:06	-	1.17	
236	IS	13C-PCB-205	100.00	3.15e+07	0.90 y	50:06	-	1.20	
237	Unk	PCB-208	150.00	4.36e+07	1.37 y	49:11	-	1.13	
238	IS	13C-PCB-208	100.00	2.57e+07	0.81 y	49:09	-	0.980	
239	Unk	PCB-207	150.00	4.37e+07	1.37 y	49:29	-	1.33	
240	Unk	PCB-206	150.00	3.27e+07	1.36 y	51:18	-	1.19	
241	IS	13C-PCB-206	100.00	1.82e+07	0.81 y	51:18	-	0.697	
242	Unk	PCB-209	150.00	3.37e+07	1.20 y	52:30	-	1.23	
243	IS	13C-PCB-209	100.00	1.83e+07	1.22 y	52:28	-	0.697	
244	RS	13C-PCB-194	100.00	2.62e+07	0.92 y	49:50	2.62e+05	-	

Analyst: [illegible] Date: 10/30/20

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: 27OCT20Z Sam:1 Analysis Date: 27-OCT-20 06:40:09

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	56.4	37.5 - 62.5
PCB-3	M/M+2	3.16	2.66-3.60	y	55.0	37.5 - 62.5
PCB-4	M/M+2	1.43	1.33-1.79	y	49.8	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	56.6	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	55.6	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	54.8	37.5 - 62.5
PCB-54	M/M+2	0.82	0.65-0.89	y	112	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	114	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	121	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	111	75.0 - 125
PCB-105	M+2/M+4	1.54	1.32-1.78	y	113	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	105	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	208	150 - 250
PCB-123	M+2/M+4	1.56	1.32-1.78	y	97.0	75.0 - 125
PCB-126	M+2/M+4	1.56	1.32-1.78	y	109	75.0 - 125
PCB-155	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	115	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	115	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	114	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	112	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	113	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	160	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	162	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	172	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	169	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	164	112.5 - 187.5

Analyst: [illegible] Date: 10/30/20

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: 27OCT20Z Sam:1 Analysis Date: 27-OCT-20 06:40:09

	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	3.29	2.66-3.60	y	83.5	50.0 - 145
13C-PCB-3	M/M+2	3.29	2.66-3.60	y	80.0	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	97.4	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	98.6	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	76.8	50.0 - 145
13C-PCB-37	M/M+2	1.08	0.88-1.20	y	118	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	88.8	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	119	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	69.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	118	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	122	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	118	50.0 - 145
13C-PCB-123	M+2/M+4	1.61	1.32-1.78	y	120	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	127	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	85.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.2	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	91.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	92.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	93.1	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	71.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	75.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	57.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	91.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	74.3	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	71.2	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	63.2	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.08	0.88-1.20	y	129	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	99.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	80.4	75.0 - 125

Analyst: _____ Date: 10/30/20

FAL ID: ST102720Z1 Filename: 27OCT20Z Sam:1 Acquired: 27-OCT-20 06:40:09 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 27OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.99e+07	3.20 y	14:33	1.21	56.4		2.50	-	-	*	-
13C-PCB-1	4.38e+07	3.29 y	14:32	0.90	83.5		2.50				83.5
PCB-3	2.94e+07	3.16 y	16:59	1.23	55.0		2.50	-	-	*	-
13C-PCB-3	4.34e+07	3.29 y	16:58	0.93	80.0		2.50				80.0
PCB-4	2.13e+07	1.43 y	18:14	1.14	49.8		2.50	-	-	*	-
13C-PCB-4	3.74e+07	1.57 y	18:12	0.66	97.4		2.50				97.4
PCB-15	3.86e+07	1.54 y	23:45	1.09	56.6		2.50	-	-	*	-
13C-PCB-15	6.25e+07	1.63 y	23:44	1.09	98.6		2.50				98.6
PCB-19	1.52e+07	1.07 y	22:07	1.21	55.6		2.50	-	-	*	-
13C-PCB-19	2.26e+07	1.10 y	22:06	0.50	76.8		2.50				76.8
13C-PCB-9	5.83e+07	1.61 y	19:53	-	57.2		2.50				
PCB-37	3.30e+07	1.05 y	30:23	1.14	54.8		2.50	-	-	*	-
13C-PCB-37	5.26e+07	1.08 y	30:22	1.64	118		2.50				118
PCB-54	4.07e+07	0.82 y	25:39	1.18	112		2.50	-	-	*	-
13C-PCB-54	3.06e+07	0.81 y	25:38	1.26	88.8		2.50				88.8
PCB-104	2.37e+07	1.58 y	30:06	1.12	111		2.50	-	-	*	-
13C-PCB-104	1.92e+07	1.59 y	30:04	1.02	69.0		2.50				69.0
13C-PCB-28	6.11e+07	1.08 y	26:42	1.73	129		2.50				129
13C-PCB-52	2.73e+07	0.80 y	28:59	-	51.3		2.50				
PCB-81	5.86e+07	0.80 y	36:10	1.13	121		2.50	-	-	*	-
13C-PCB-81	4.27e+07	0.79 y	36:08	1.57	119		2.50				119
PCB-77	5.42e+07	0.82 y	36:44	1.10	114		2.50	-	-	*	-
13C-PCB-77	4.34e+07	0.80 y	36:42	1.61	118		2.50				118
PCB-155	2.47e+07	1.25 y	34:15	1.13	101		2.50	-	-	*	-
13C-PCB-155	2.16e+07	1.30 y	34:13	1.10	85.4		2.50				85.4
13C-PCB-111	2.90e+07	1.62 y	36:18	1.27	99.5		2.50				99.5
13C-PCB-101	2.29e+07	1.60 y	34:40	-	48.0		2.50				
PCB-123	4.30e+07	1.56 y	38:21	1.11	97.0		2.50	-	-	*	-
13C-PCB-123	4.00e+07	1.61 y	38:21	1.28	120		2.50				120
PCB-118	9.72e+07	1.56 y	38:34	1.12	208		2.50	-	-	*	-
13C-PCB-118	4.17e+07	1.61 y	38:31	1.35	118		2.50				118
PCB-114	4.86e+07	1.55 y	39:09	1.13	105		2.50	-	-	*	-
13C-PCB-114	4.10e+07	1.61 y	39:07	1.29	122		2.50				122
PCB-105	4.91e+07	1.54 y	39:58	1.10	113		2.50	-	-	*	-
13C-PCB-105	3.95e+07	1.61 y	39:56	1.28	118		2.50				118
PCB-126	4.83e+07	1.56 y	42:05	1.08	109		2.50	-	-	*	-
13C-PCB-126	4.08e+07	1.60 y	42:03	1.23	127		2.50				127
PCB-167	3.67e+07	1.27 y	43:27	1.11	112		2.50	-	-	*	-
13C-PCB-167	2.97e+07	1.30 y	43:25	1.23	92.8		2.50				92.8
PCB-156	3.75e+07	1.28 y	44:41	1.13	115		2.50	-	-	*	-
13C-PCB-156	2.88e+07	1.31 y	44:40	1.19	93.2		2.50				93.2
PCB-157	3.60e+07	1.28 y	44:56	1.08	115		2.50	-	-	*	-
13C-PCB-157	2.89e+07	1.31 y	44:54	1.21	91.4		2.50				91.4
PCB-169	3.48e+07	1.28 y	46:46	1.08	114		2.50	-	-	*	-
13C-PCB-169	2.84e+07	1.29 y	46:46	1.17	93.1		2.50				93.1
PCB-188	2.57e+07	1.06 y	39:45	1.10	112		2.50	-	-	*	-
13C-PCB-188	2.08e+07	1.08 y	39:43	1.13	71.0		2.50				71.0
PCB-189	2.30e+07	1.07 y	48:27	1.07	113		2.50	-	-	*	-
13C-PCB-189	1.90e+07	1.09 y	48:27	0.97	75.6		2.50				75.6
PCB-202	2.35e+07	0.93 y	44:51	1.03	160		2.50	-	-	*	-
13C-PCB-202	1.43e+07	0.92 y	44:49	0.96	57.5		2.50				57.5
13C-PCB-178	1.63e+07	1.09 y	42:21	0.78	80.4		2.50				80.4
13C-PCB-138	2.60e+07	1.30 y	41:34	-	54.1		2.50				

FAL ID: ST102720Z1 Filename: 27OCT20Z Sam:1 Acquired: 27-OCT-20 06:40:09 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 27OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.54e+07	0.91	y	50:06	1.09	162	2.50	-	-	*	-
13C-PCB-205	3.15e+07	0.90	y	50:06	1.32	91.4	2.50				91.4
PCB-208	4.36e+07	1.37	y	49:11	1.01	169	2.50	-	-	*	-
13C-PCB-208	2.57e+07	0.81	y	49:09	1.38	71.2	2.50				71.2
PCB-206	3.27e+07	1.36	y	51:18	1.04	172	2.50	-	-	*	-
13C-PCB-206	1.82e+07	0.81	y	51:18	0.94	74.3	2.50				74.3
PCB-209	3.37e+07	1.20	y	52:30	1.13	164	2.50	-	-	*	-
13C-PCB-209	1.83e+07	1.22	y	52:28	1.10	63.2	2.50				63.2
13C-PCB-194	2.62e+07	0.92	y	49:50	-	68.7	2.50				

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/27/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.26	2.66-3.60	y	55.0	37.5 - 62.5
PCB-3	M/M+2	3.19	2.66-3.60	y	55.1	37.5 - 62.5
PCB-4	M/M+2	1.42	1.33-1.79	y	55.4	37.5 - 62.5
PCB-15	M/M+2	1.63	1.33-1.79	y	52.3	37.5 - 62.5
PCB-19	M/M+2	1.13	0.88-1.20	y	54.3	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	49.5	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	102	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	93.0	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	102	75.0 - 125
PCB-104	M+2/M+4	1.62	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	111	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	200	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	106	75.0 - 125
PCB-126	M+2/M+4	1.57	1.32-1.78	y	104	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	113	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	99.4	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	106	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	174	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	145	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	145	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	1.20	0.99-1.33	y	152	112.5 - 187.5

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/27/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

	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	3.30	2.66-3.60	y	97.3	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	89.6	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	83.7	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	88.0	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	76.6	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	106	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	96.6	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	92.4	50.0 - 145
13C-PCB-104	M+2/M+4	1.62	1.32-1.78	y	103	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	98.0	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	94.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	98.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	91.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	89.8	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	92.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	107	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	109	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	99.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	107	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	100	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	107	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	89.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	93.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	112	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	109	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	107	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	88.2	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	104	75.0 - 125
13C-PCB-178	M+2/M+4	1.18	0.89-1.21	y	93.9	75.0 - 125

Analyst: _____ Date: 10/30/20

FAL ID: ST102720Z2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: DAILY209FAL4-10-27-20 1 of 2
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.38e+07	3.26 y	14:34	1.37	55.0		2.50	-	-	*	
13C-PCB-1	4.49e+07	3.30 y	14:33	0.75	97.3		2.50				97.3
PCB-3	3.05e+07	3.19 y	16:59	1.35	55.1		2.50	-	-	*	
13C-PCB-3	4.10e+07	3.31 y	16:58	0.74	89.6		2.50				89.6
PCB-4	2.51e+07	1.42 y	18:13	1.14	55.4		2.50	-	-	*	
13C-PCB-4	3.99e+07	1.60 y	18:12	0.64	101		2.50				101
PCB-15	3.56e+07	1.63 y	23:45	1.23	52.3		2.50	-	-	*	
13C-PCB-15	5.51e+07	1.59 y	23:43	1.07	83.7		2.50				83.7
PCB-19	1.54e+07	1.13 y	22:06	1.35	54.3		2.50	-	-	*	
13C-PCB-19	2.10e+07	1.14 y	22:04	0.39	88.0		2.50				88.0
13C-PCB-9	6.15e+07	1.61 y	19:53	-	105		2.50				
PCB-37	2.51e+07	1.10 y	30:23	1.25	49.5		2.50	-	-	*	
13C-PCB-37	4.03e+07	1.04 y	30:22	1.93	76.6		2.50				76.6
PCB-54	4.39e+07	0.78 y	25:39	1.33	102		2.50	-	-	*	
13C-PCB-54	3.25e+07	0.82 y	25:37	1.12	106		2.50				106
PCB-104	2.60e+07	1.62 y	30:04	1.23	106		2.50	-	-	*	
13C-PCB-104	1.98e+07	1.62 y	30:03	0.70	103		2.50				103
13C-PCB-28	5.39e+07	1.09 y	26:41	2.24	88.2		2.50				88.2
13C-PCB-52	2.73e+07	0.82 y	28:57	-	100		2.50				
PCB-81	5.41e+07	0.82 y	36:08	1.37	102		2.50	-	-	*	
13C-PCB-81	3.86e+07	0.79 y	36:07	1.87	92.4		2.50				92.4
PCB-77	4.77e+07	0.83 y	36:42	1.25	93.0		2.50	-	-	*	
13C-PCB-77	4.10e+07	0.79 y	36:41	1.90	96.6		2.50				96.6
PCB-155	2.50e+07	1.29 y	34:13	1.14	113		2.50	-	-	*	
13C-PCB-155	1.94e+07	1.34 y	34:12	0.94	92.0		2.50				92.0
13C-PCB-111	2.94e+07	1.63 y	36:17	1.27	104		2.50				104
13C-PCB-101	2.24e+07	1.65 y	34:38	-	97.8		2.50				
PCB-123	4.30e+07	1.61 y	38:21	1.08	106		2.50	-	-	*	
13C-PCB-123	3.78e+07	1.60 y	38:19	1.54	91.2		2.50				91.2
PCB-118	9.91e+07	1.56 y	38:32	1.17	200		2.50	-	-	*	
13C-PCB-118	4.24e+07	1.60 y	38:29	1.60	98.3		2.50				98.3
PCB-114	5.30e+07	1.57 y	39:08	1.19	111		2.50	-	-	*	
13C-PCB-114	4.01e+07	1.60 y	39:07	1.57	94.6		2.50				94.6
PCB-105	5.13e+07	1.57 y	39:56	1.24	103		2.50	-	-	*	
13C-PCB-105	4.00e+07	1.60 y	39:55	1.52	98.0		2.50				98.0
PCB-126	4.65e+07	1.57 y	42:03	1.18	104		2.50	-	-	*	
13C-PCB-126	3.79e+07	1.58 y	42:03	1.57	89.8		2.50				89.8
PCB-167	3.88e+07	1.26 y	43:25	1.24	102		2.50	-	-	*	
13C-PCB-167	3.06e+07	1.28 y	43:24	1.14	99.7		2.50				99.7
PCB-156	4.23e+07	1.28 y	44:39	1.30	102		2.50	-	-	*	
13C-PCB-156	3.18e+07	1.30 y	44:38	1.11	107		2.50				107
PCB-157	4.14e+07	1.27 y	44:54	1.25	102		2.50	-	-	*	
13C-PCB-157	3.25e+07	1.31 y	44:52	1.11	109		2.50				109
PCB-169	3.83e+07	1.29 y	46:46	1.23	99.4		2.50	-	-	*	
13C-PCB-169	3.14e+07	1.30 y	46:44	1.09	107		2.50				107
PCB-188	2.84e+07	1.05 y	39:43	1.23	106		2.50	-	-	*	
13C-PCB-188	2.17e+07	1.08 y	39:41	0.80	100		2.50				100
PCB-189	2.58e+07	1.09 y	48:26	1.21	101		2.50	-	-	*	
13C-PCB-189	2.10e+07	1.08 y	48:25	0.73	107		2.50				107
PCB-202	2.52e+07	0.96 y	44:49	1.10	174		2.50	-	-	*	
13C-PCB-202	1.32e+07	0.95 y	44:49	0.55	89.3		2.50				89.3
13C-PCB-178	1.58e+07	1.18 y	42:19	0.62	93.9		2.50				93.9
13C-PCB-138	2.70e+07	1.28 y	41:33	-	104		2.50				

FAL ID: ST10272022 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: DAILY209FAL4-10-27-202 of 2
Client ID: CS209 200406A ConCal: ST10272021 EndCal: ST10272022
Results: 13237 GC Column: DB1MS Amount: 1.000

PCB-205	6.02e+07	0.92 y	50:05	1.17	145	2.50	-	-	*	
13C-PCB-205	3.55e+07	0.89 y	50:04	1.20	93.7	2.50				93.7
PCB-208	5.69e+07	1.36 y	49:09	1.13	150	2.50	-	-	*	
13C-PCB-208	3.36e+07	0.82 y	49:09	0.98	109	2.50				109
PCB-206	4.22e+07	1.35 y	51:17	1.19	145	2.50	-	-	*	
13C-PCB-206	2.45e+07	0.81 y	51:16	0.70	112	2.50				112
PCB-209	4.42e+07	1.20 y	52:28	1.23	152	2.50	-	-	*	
13C-PCB-209	2.36e+07	1.21 y	52:28	0.70	107	2.50				107
13C-PCB-194	3.15e+07	0.91 y	49:49	-	120	2.50				

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:27OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

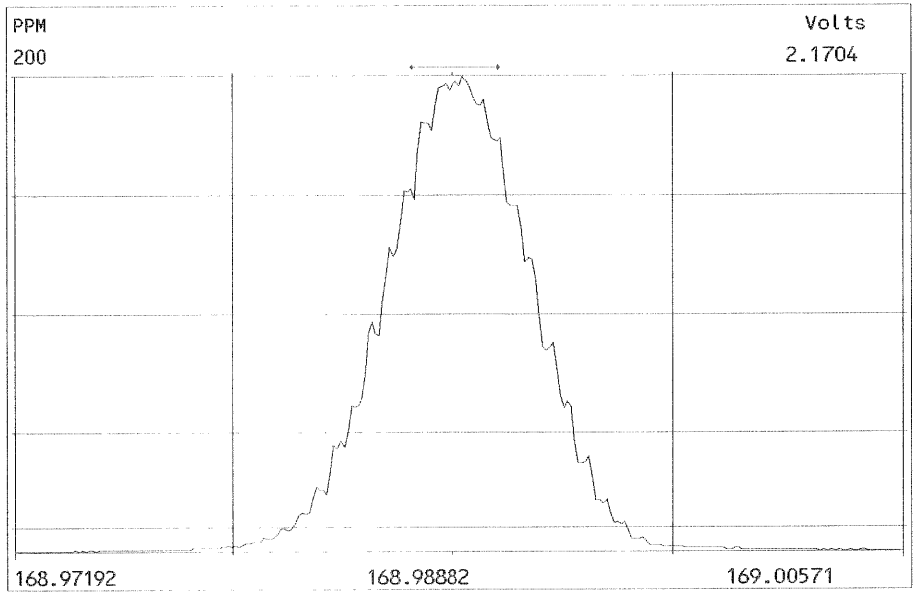
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	05495-001-0001-MB	Method Blank	27-OCT-20 09:35:12	ST102720Z1	ST102720Z2	BS
27OCT20Z	5	13373-013-0001-SA	LDW-Y3-SU-S010-TB	27-OCT-20 10:33:33	ST102720Z1	ST102720Z2	BS
27OCT20Z	6	13373-014-0001-SA	LDW-Y3-LBS-WAT-S010-SPME	27-OCT-20 11:31:54	ST102720Z1	ST102720Z2	BS
27OCT20Z	7	13237-001-0001-SA	LDW-Y3-SU-ENR-CA-CORE	27-OCT-20 12:30:15	ST102720Z1	ST102720Z2	BS
27OCT20Z	8	13237-002-0001-SA	LDW-Y3-SU-ENR-CB-CORE	27-OCT-20 13:28:37	ST102720Z1	ST102720Z2	BS
27OCT20Z	9	13237-003-0001-SA	LDW-Y3-SU-ENR-CC-CORE	27-OCT-20 14:26:58	ST102720Z1	ST102720Z2	BS
27OCT20Z	10	13237-006-0001-SA	LDW-Y3-SU-ENR+AC-CA-CORE	27-OCT-20 15:25:19	ST102720Z1	ST102720Z2	BS
27OCT20Z	11	13237-008-0001-SA	LDW-Y3-SU-ENR+AC-CC-CORE	27-OCT-20 16:23:40	ST102720Z1	ST102720Z2	BS
27OCT20Z	12	13237-009-0001-SA	LDW-Y3-SU-ENR+AC-CD-CORE	27-OCT-20 17:22:02	ST102720Z1	ST102720Z2	BS
27OCT20Z	13	SB102720Z1	Solvent Blank	27-OCT-20 18:20:23	ST102720Z1	ST102720Z2	BS
27OCT20Z	14	ST102720Z2	CS209 200406A	27-OCT-20 19:18:44	ST102720Z1	ST102720Z2	BS

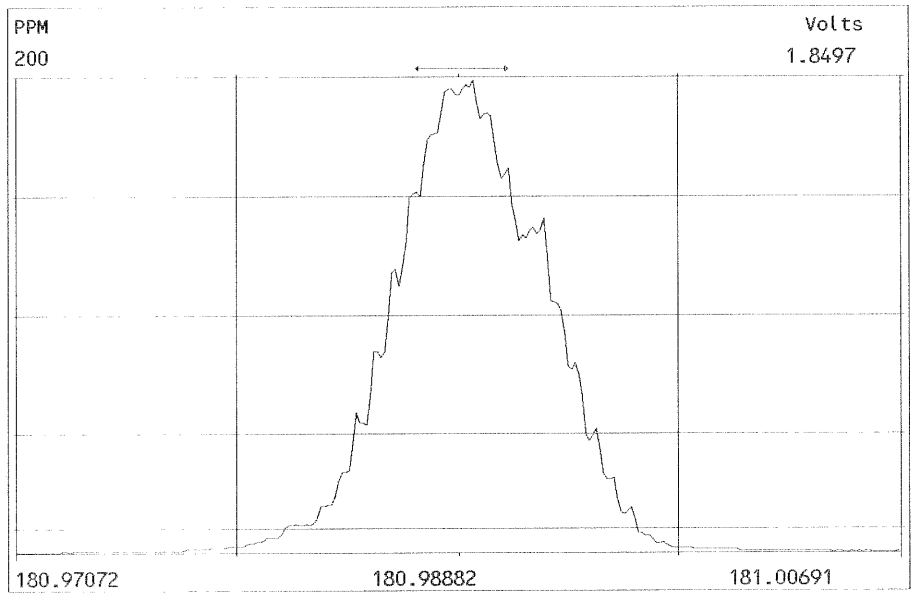
10/28/20

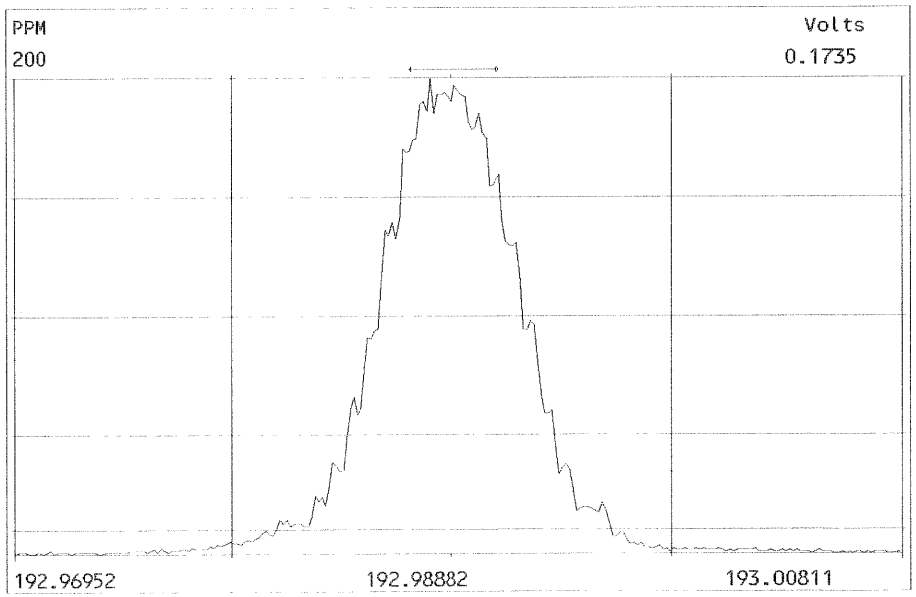
Data Backed Up:_____

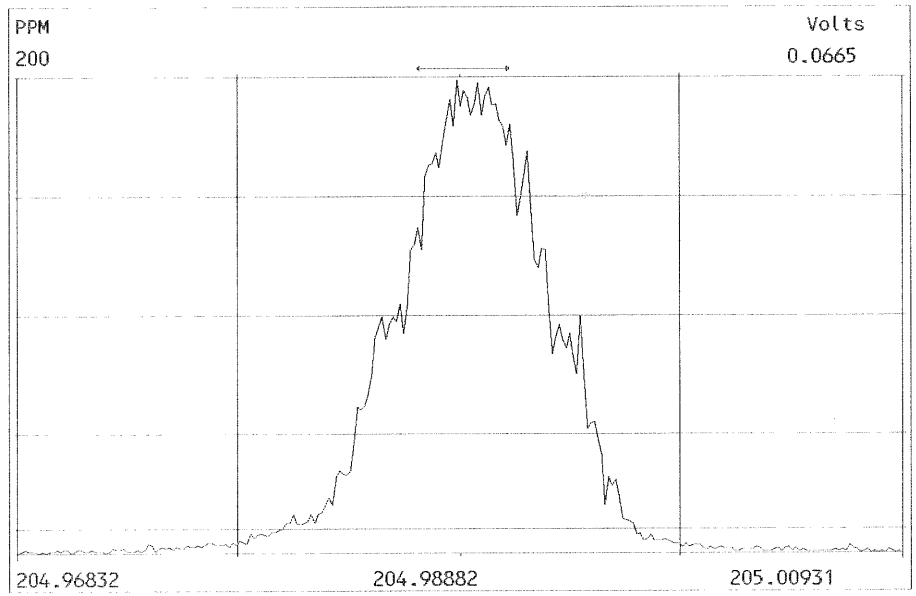
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

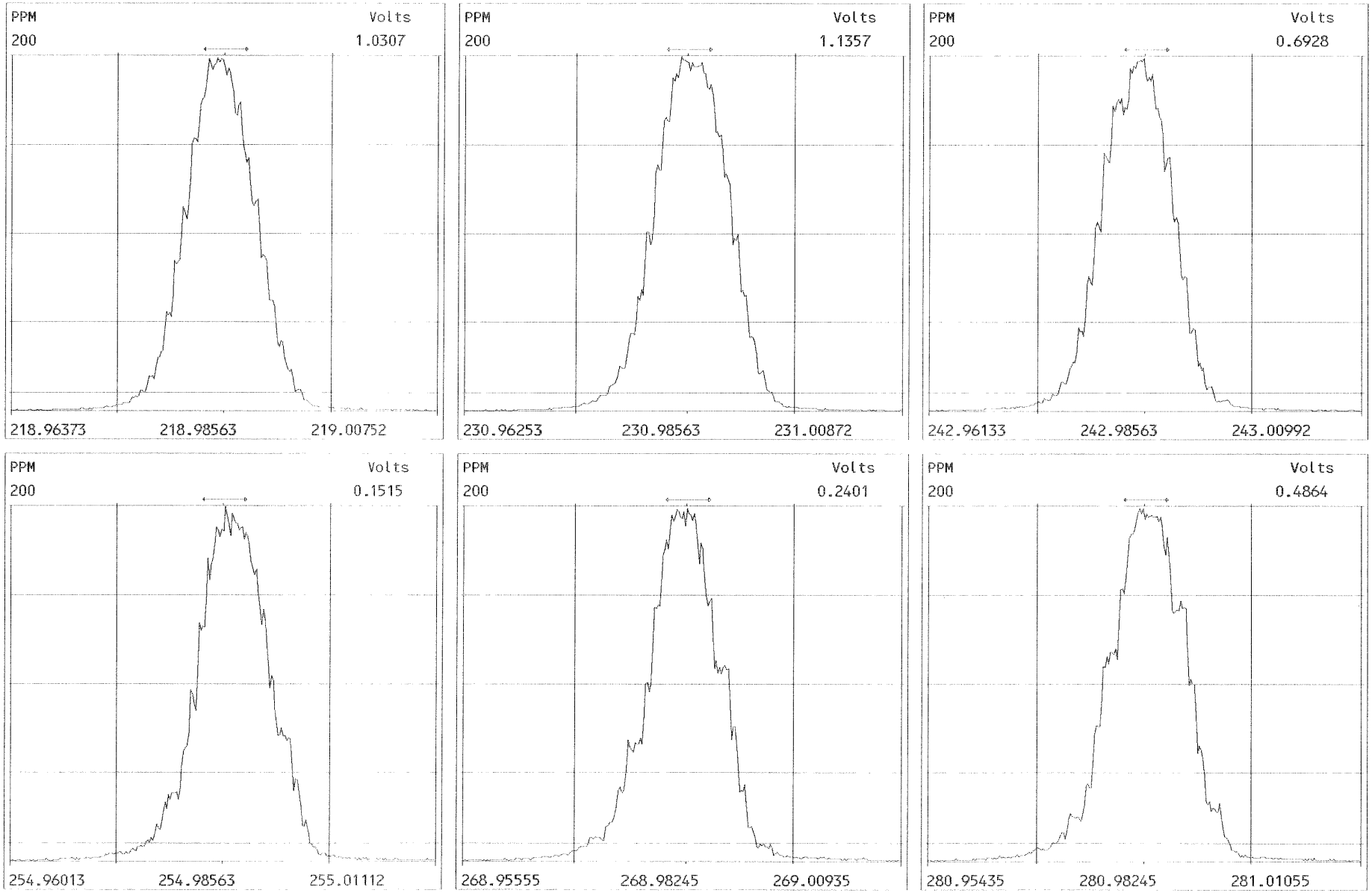




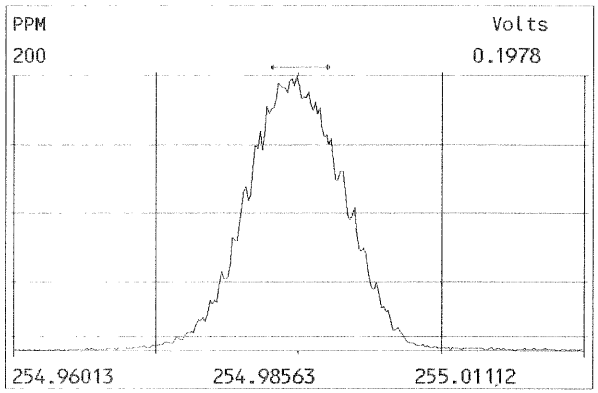


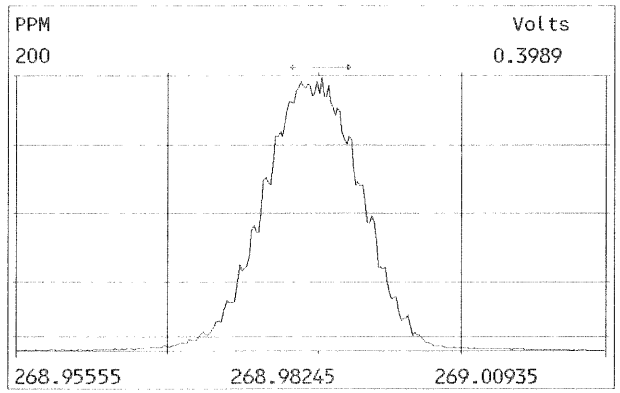


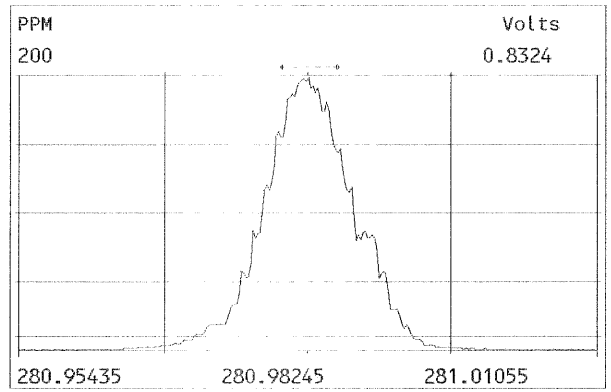
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

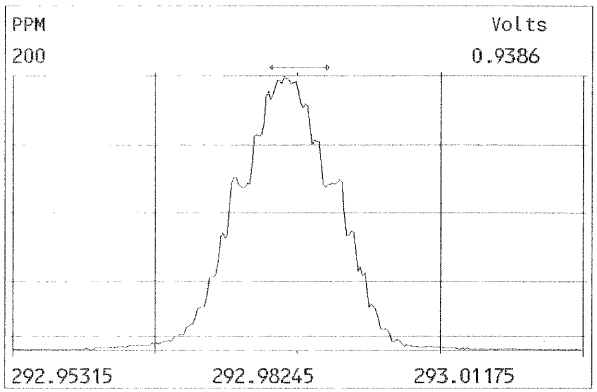


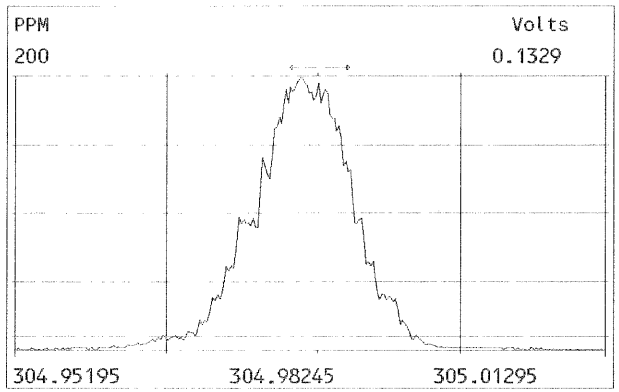
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

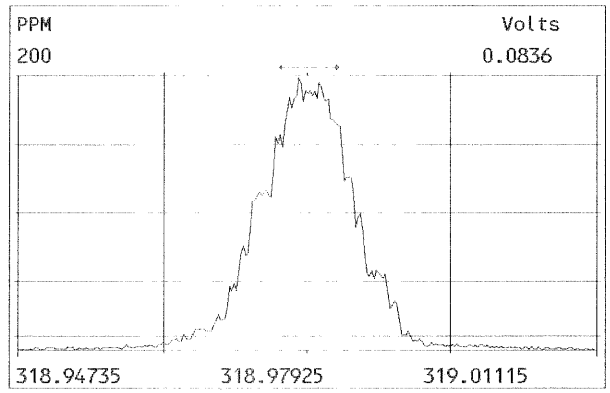


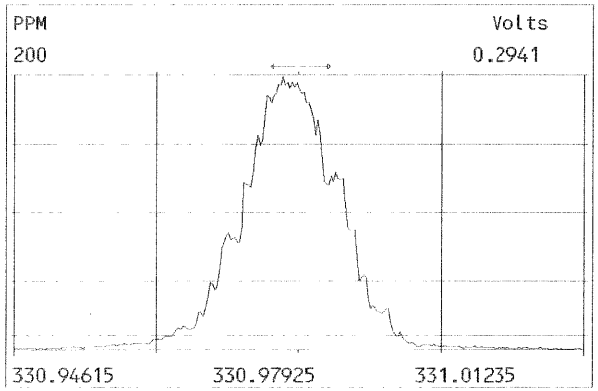


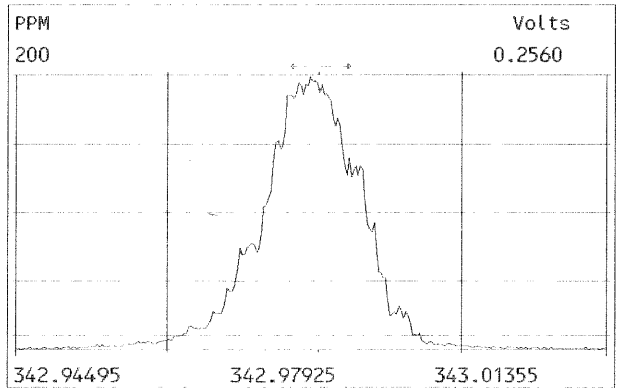




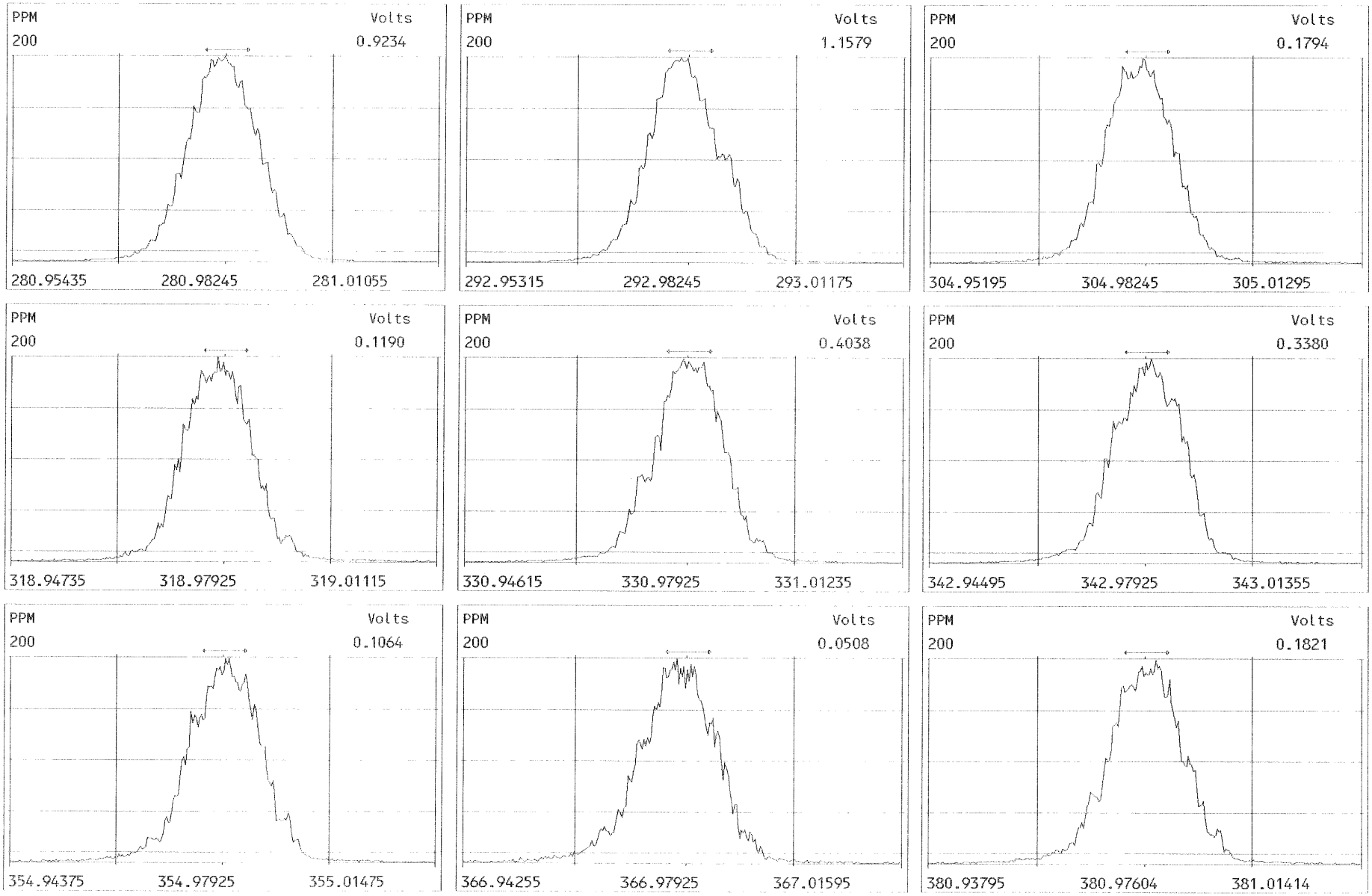




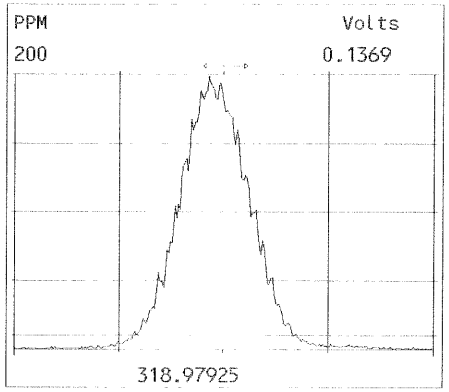


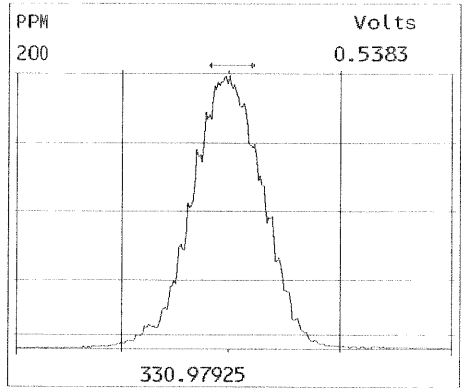


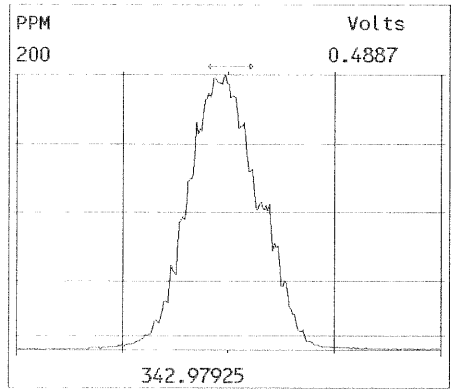
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

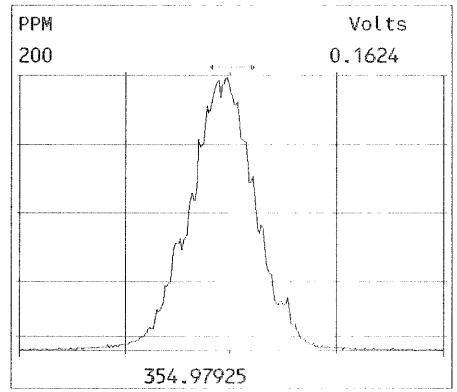


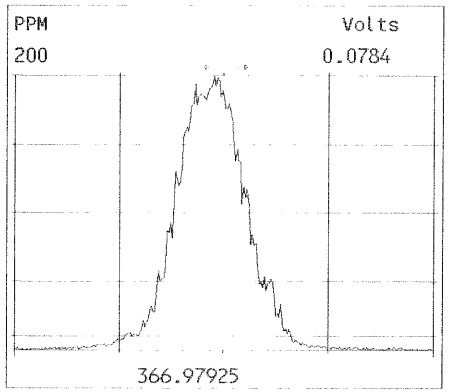
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

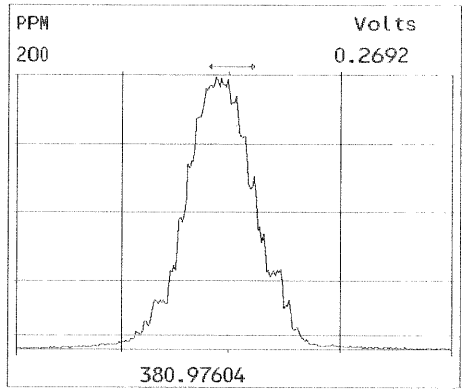


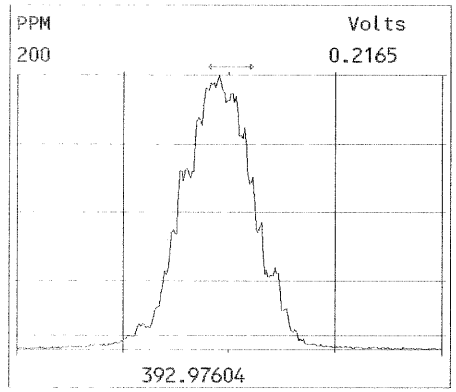


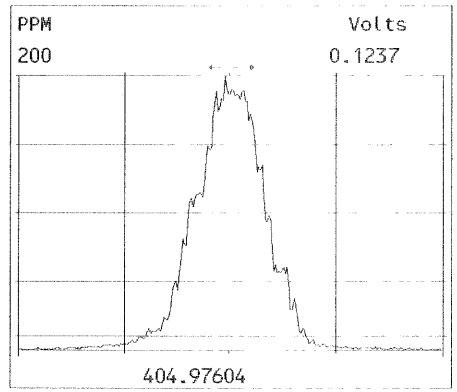


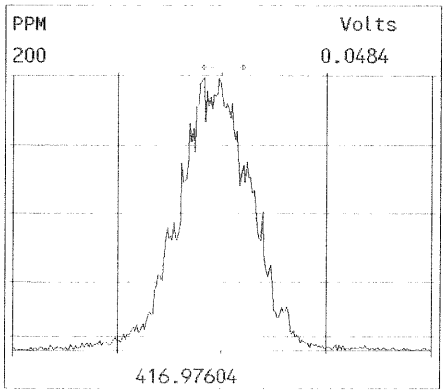


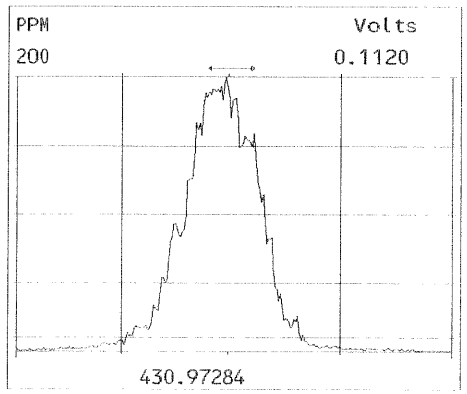


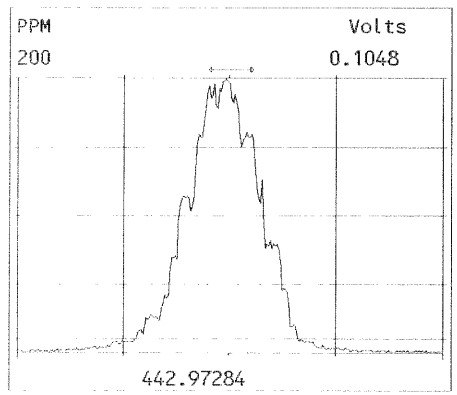






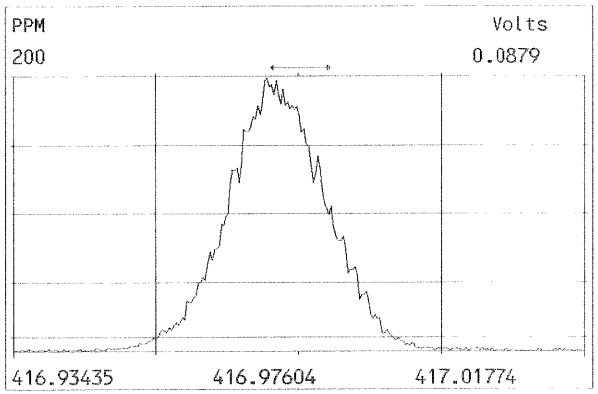


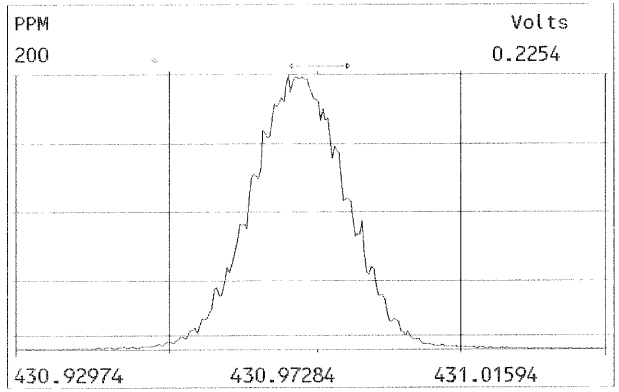


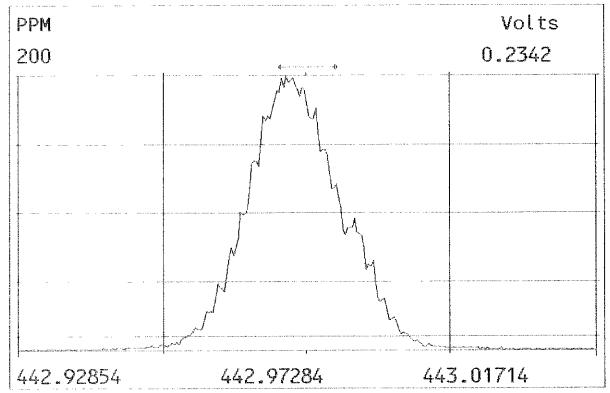


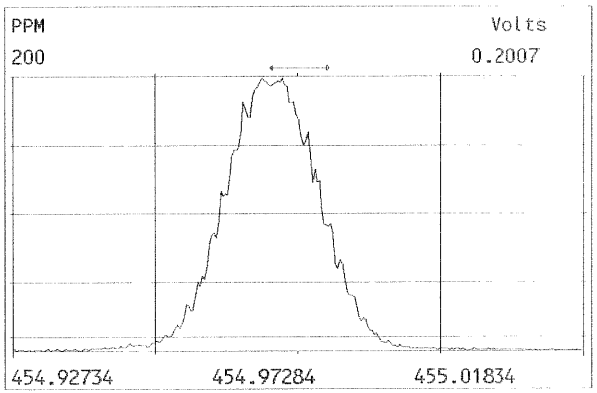
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z

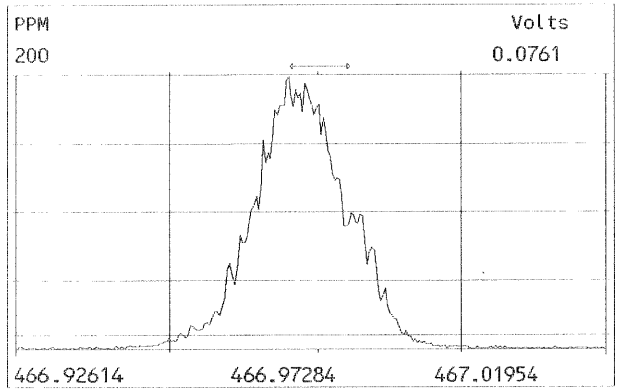
Experiment:1668PCB Function:6 Reference:PFK

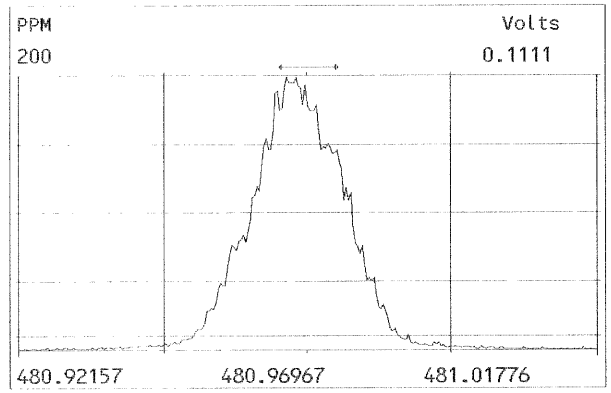


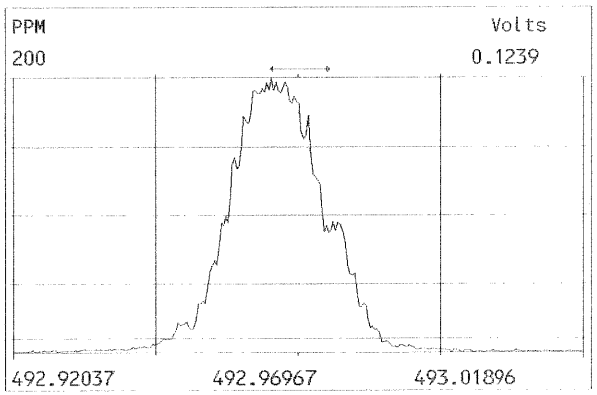


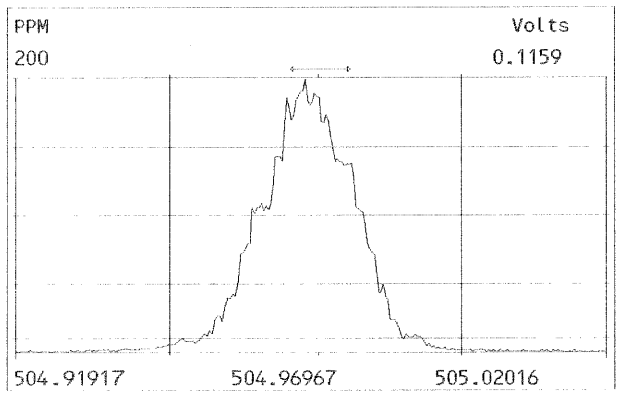


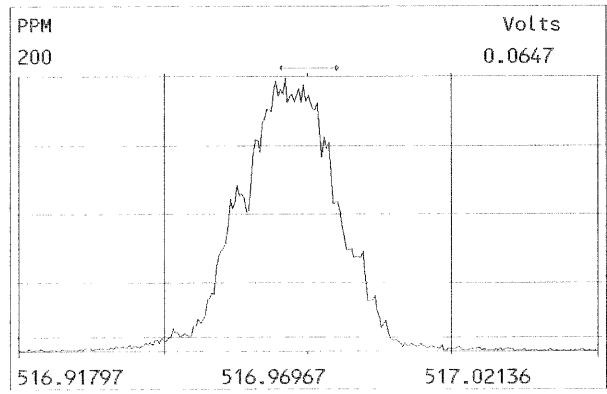




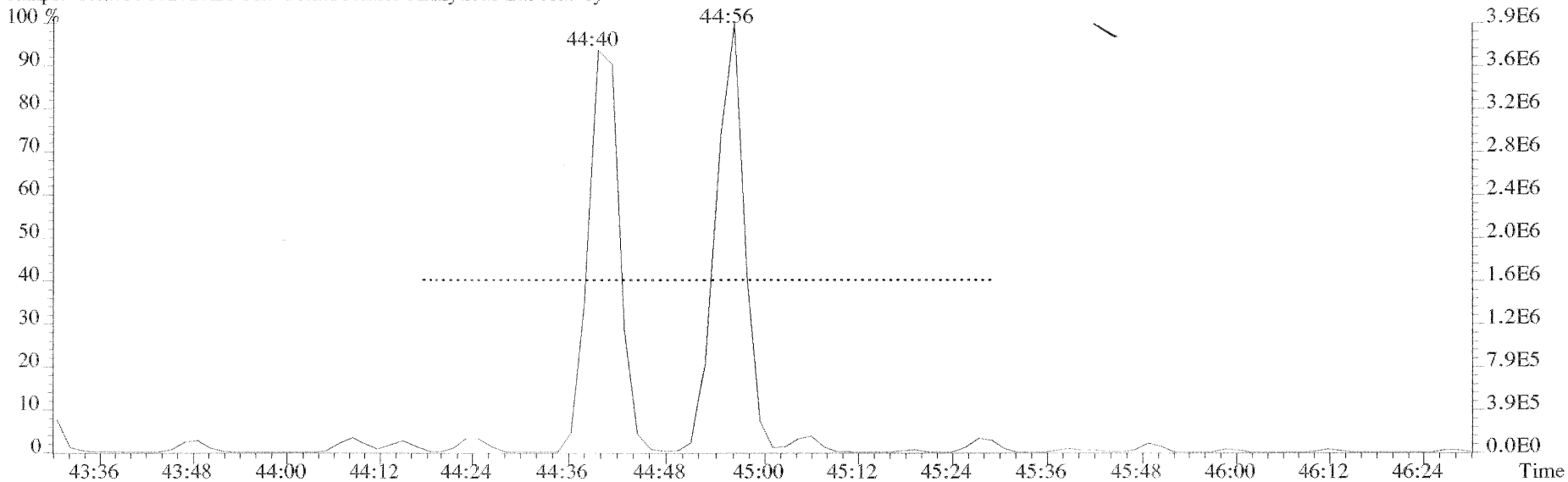




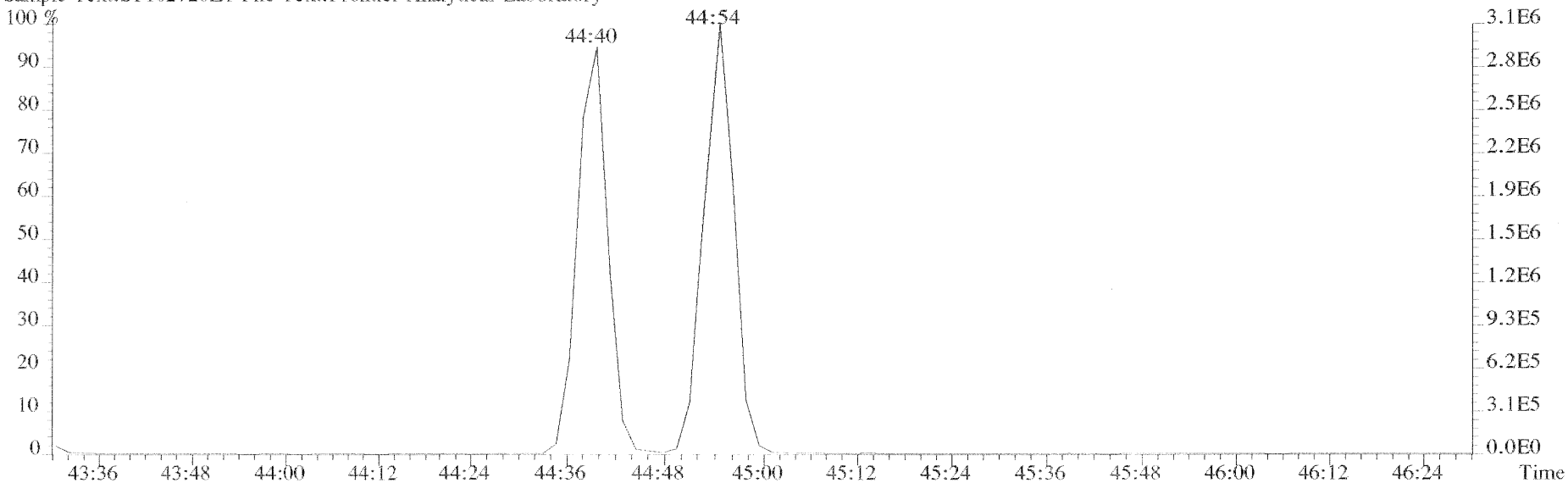




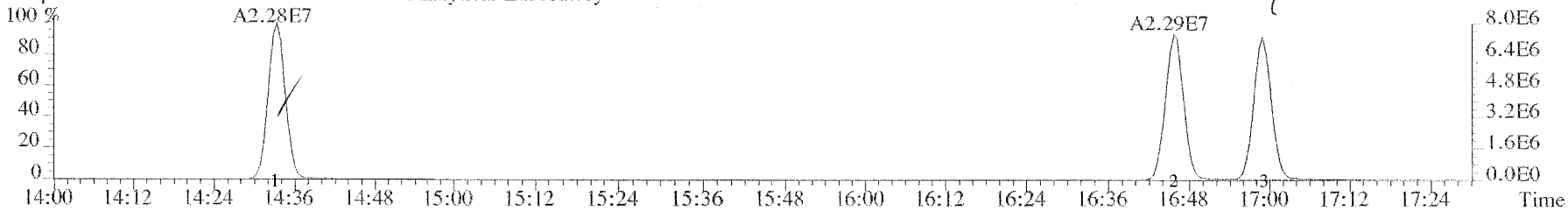
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



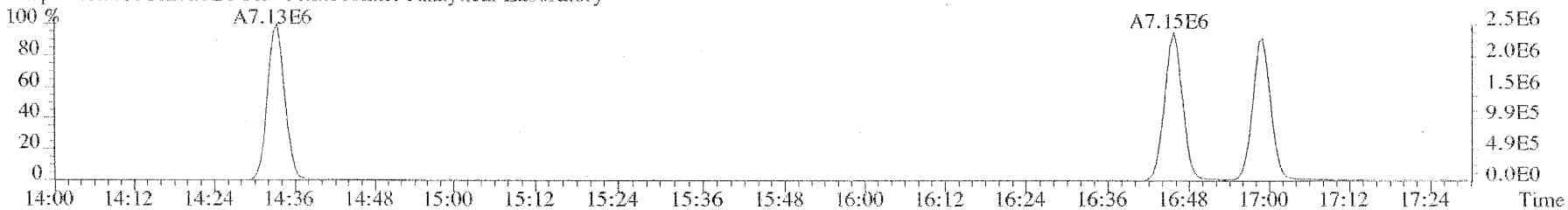
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



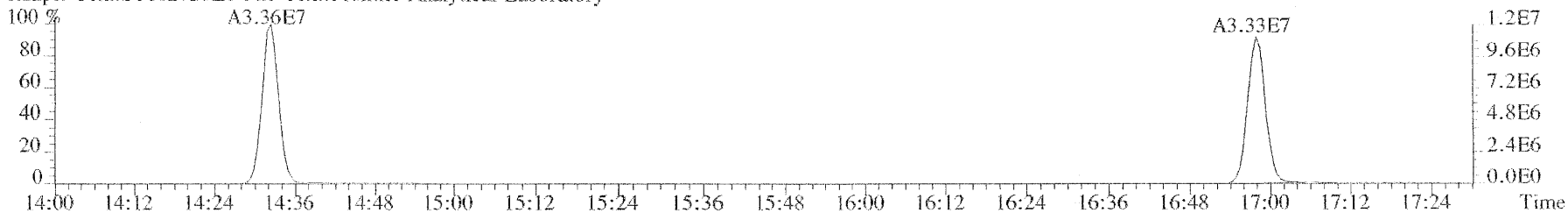
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



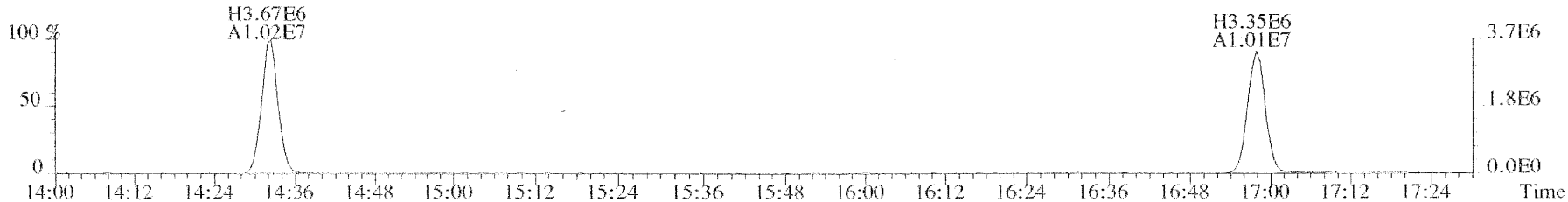
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



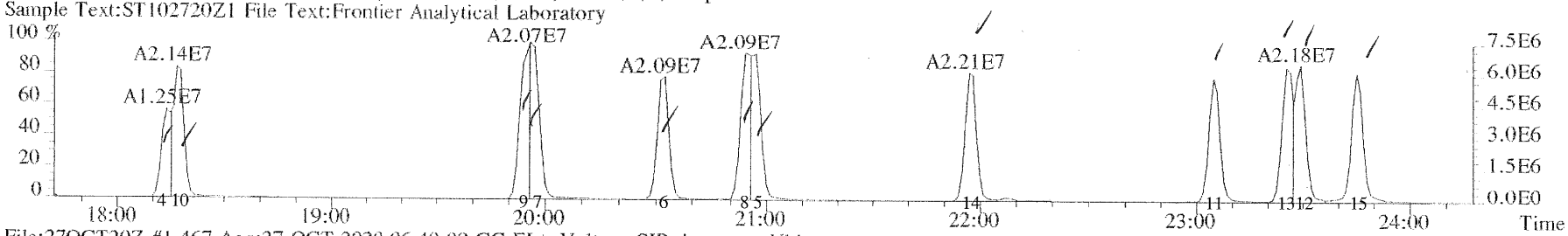
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



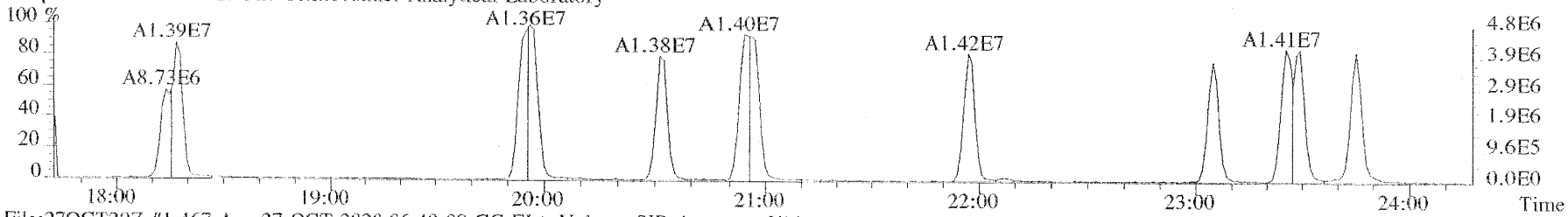
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



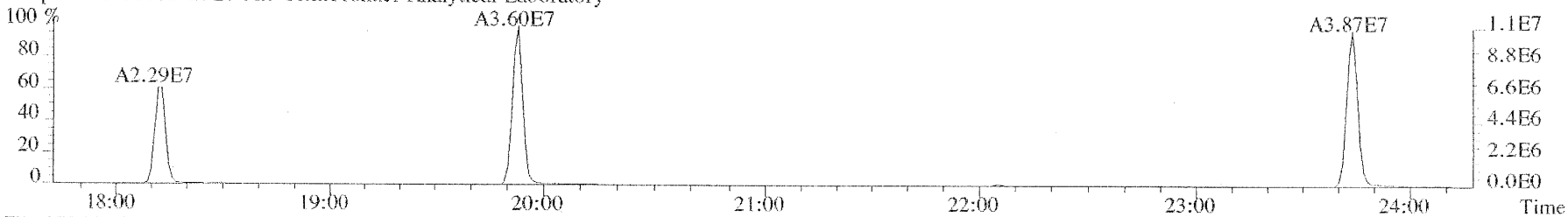
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



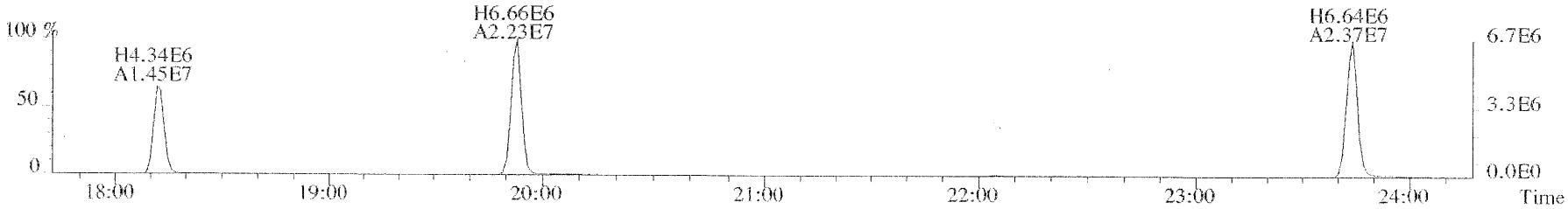
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



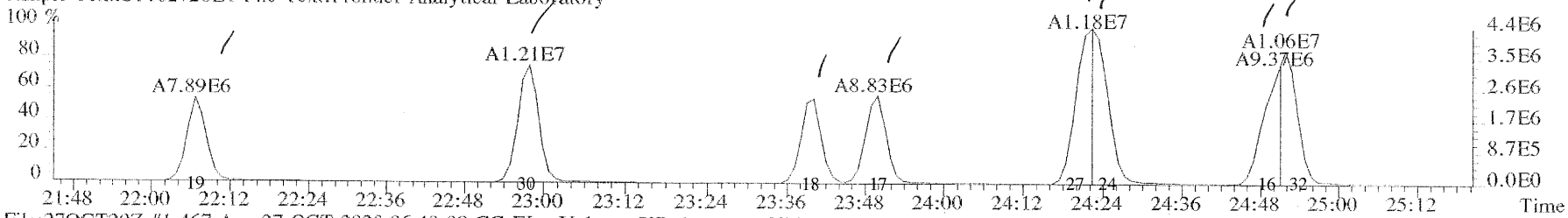
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



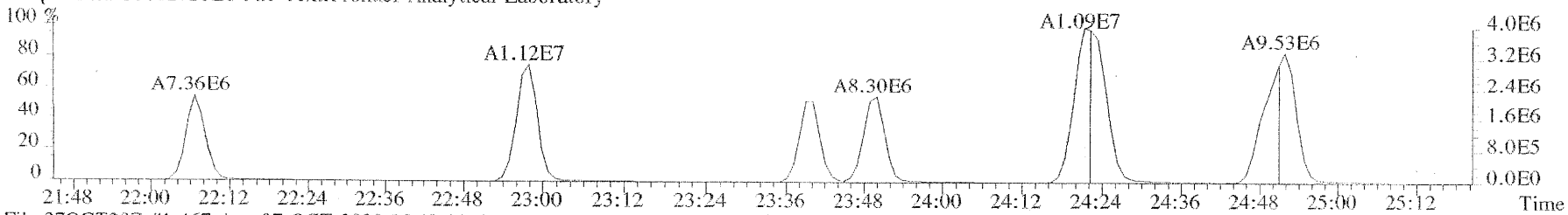
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



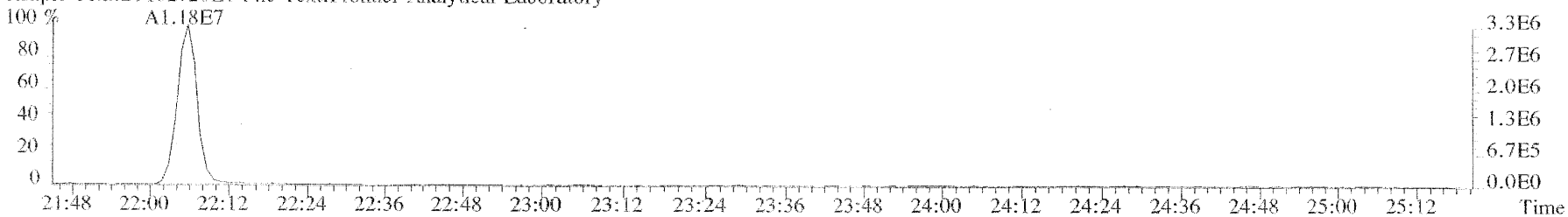
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



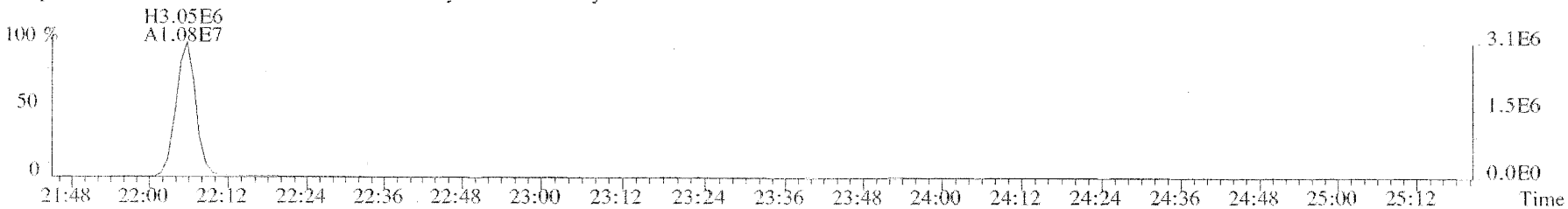
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



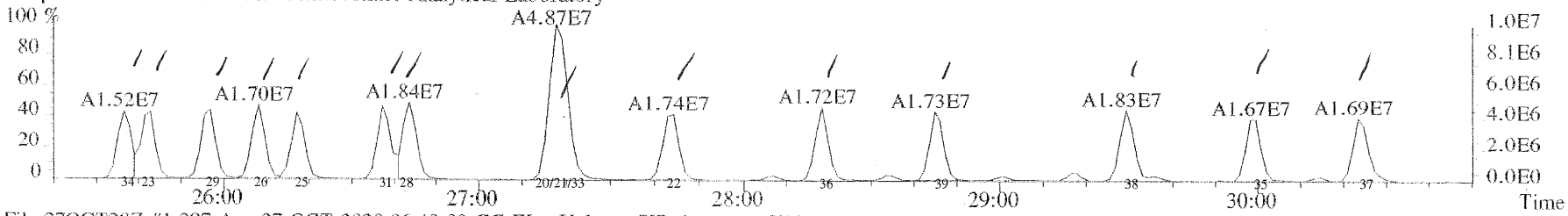
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



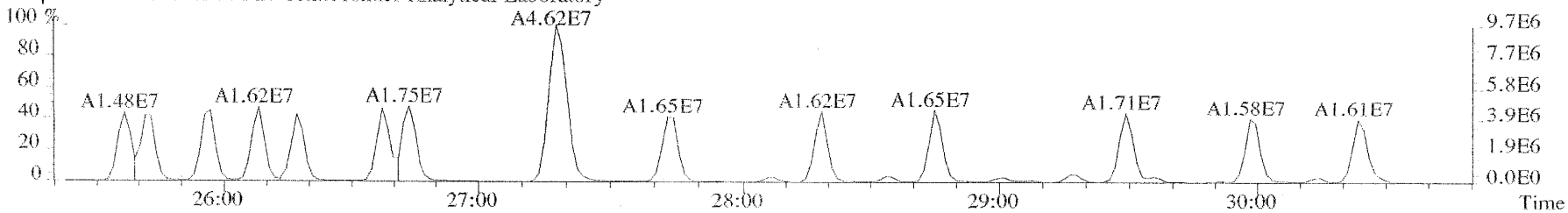
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



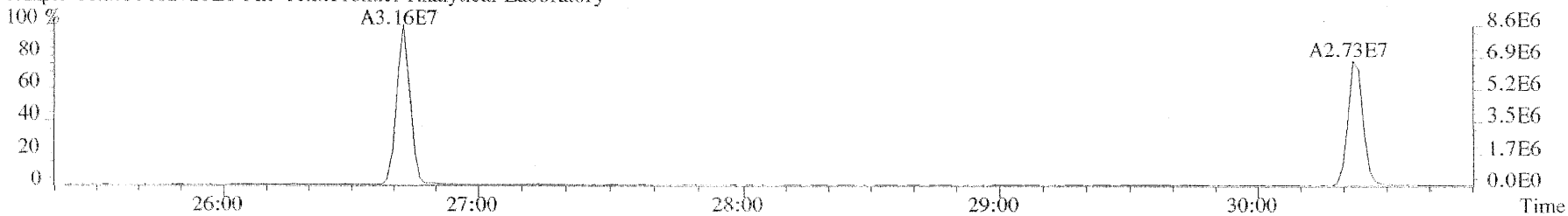
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



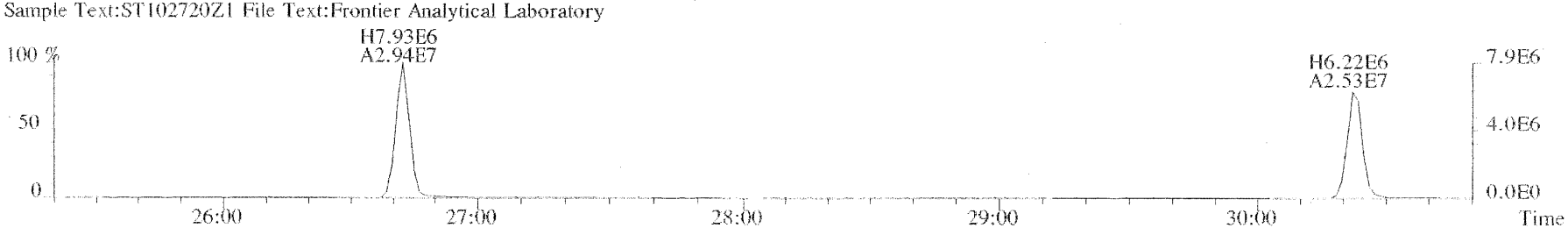
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



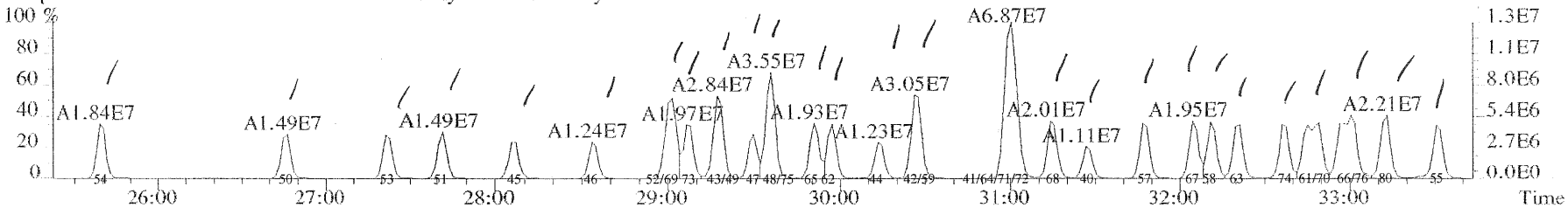
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



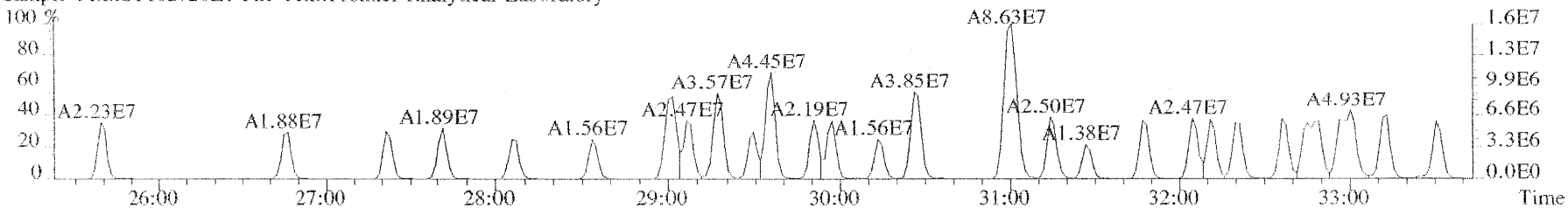
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



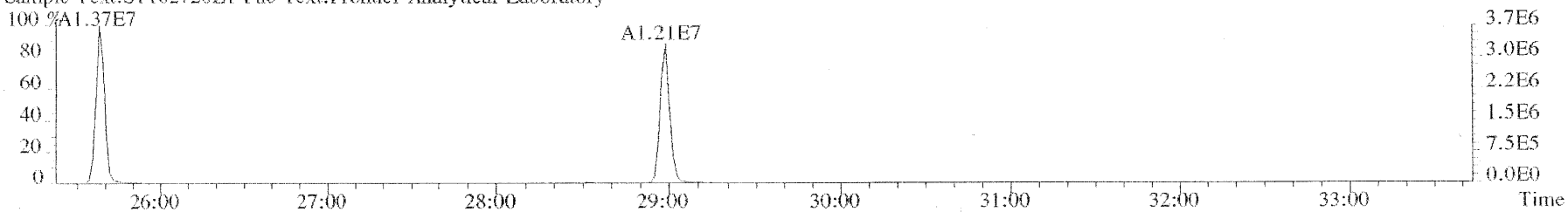
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



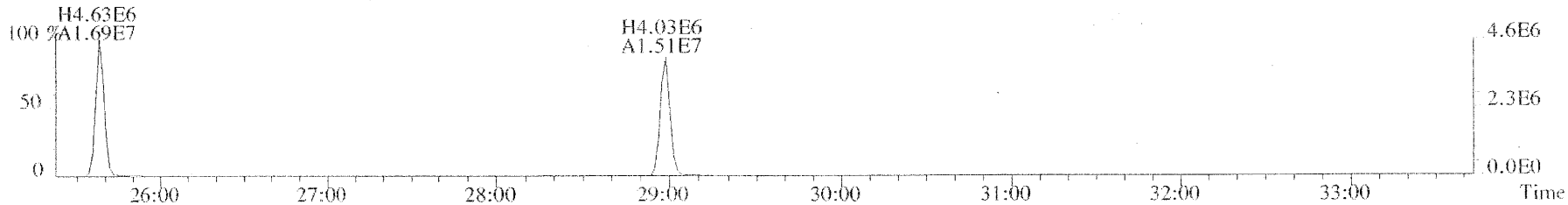
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



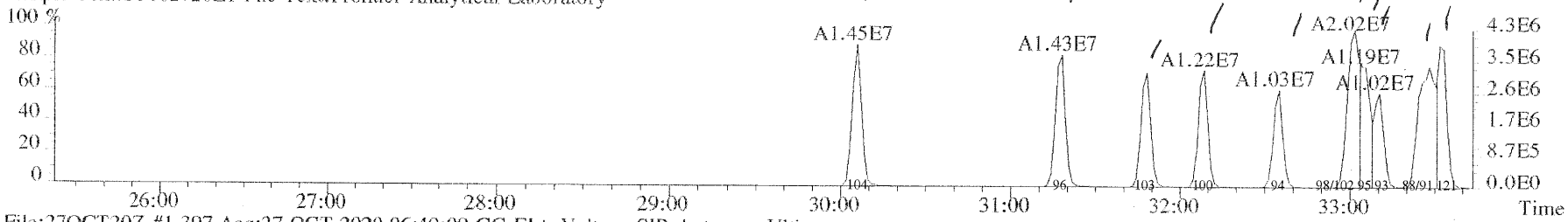
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



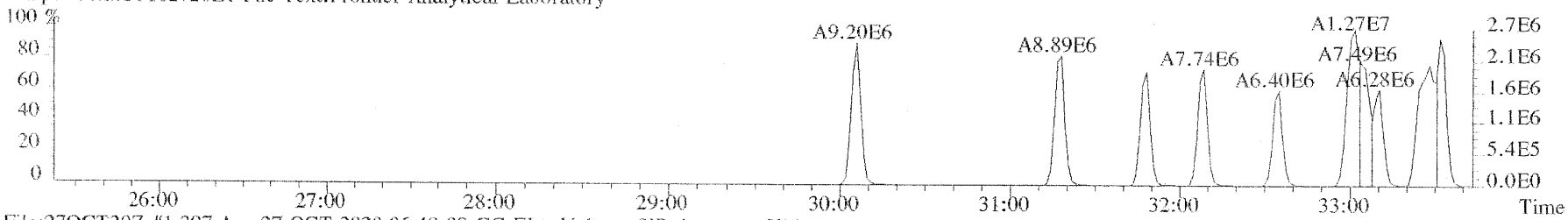
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



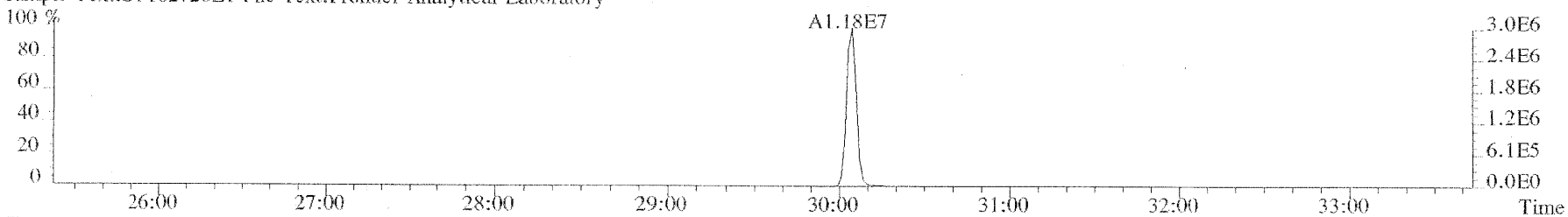
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



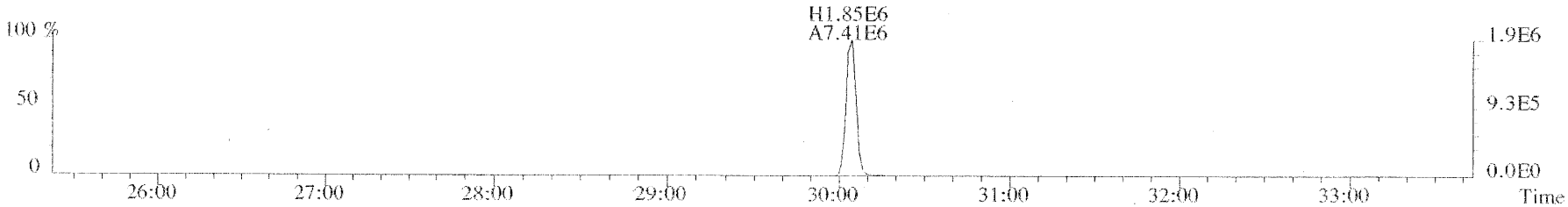
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



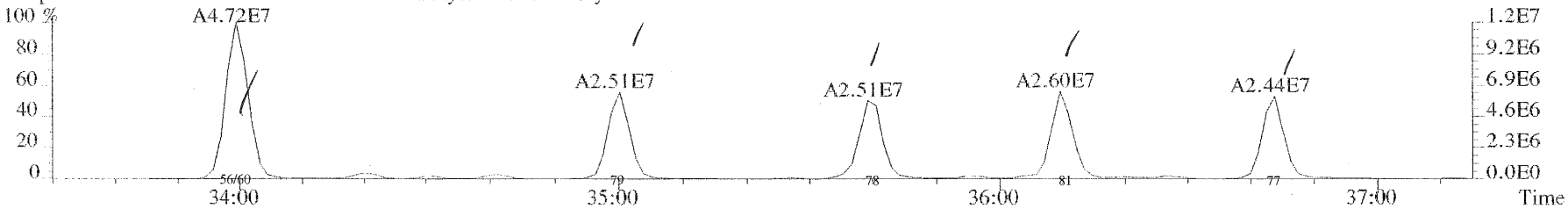
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



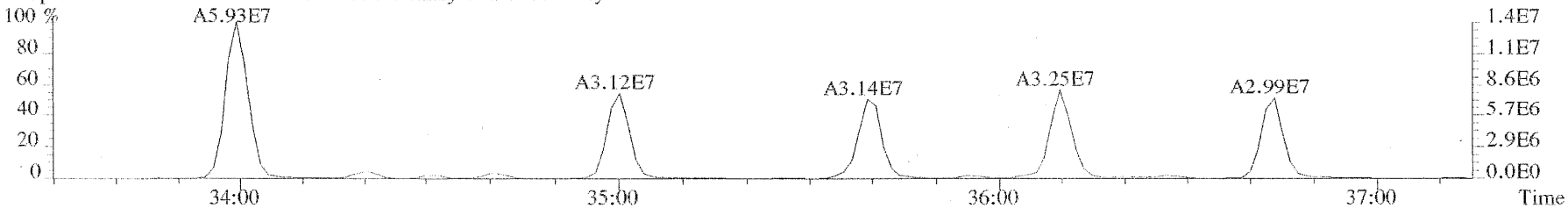
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



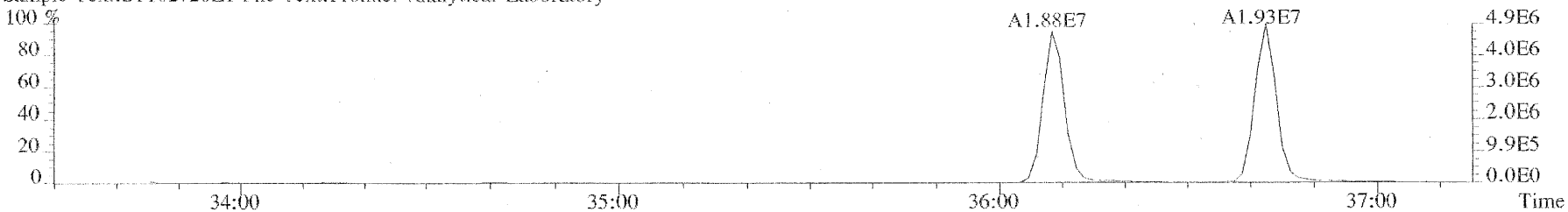
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



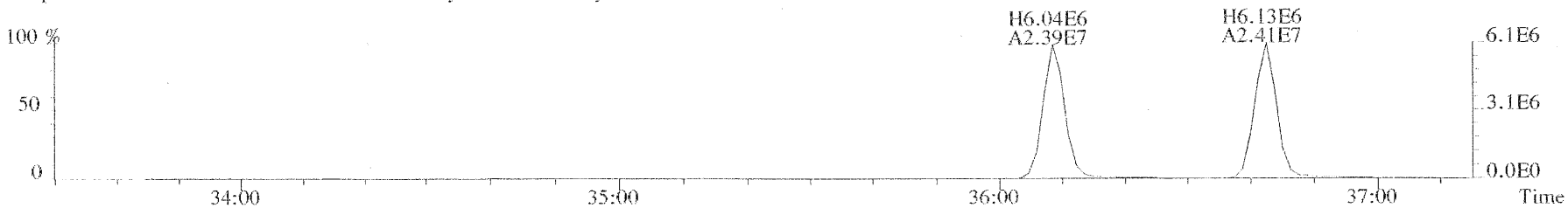
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



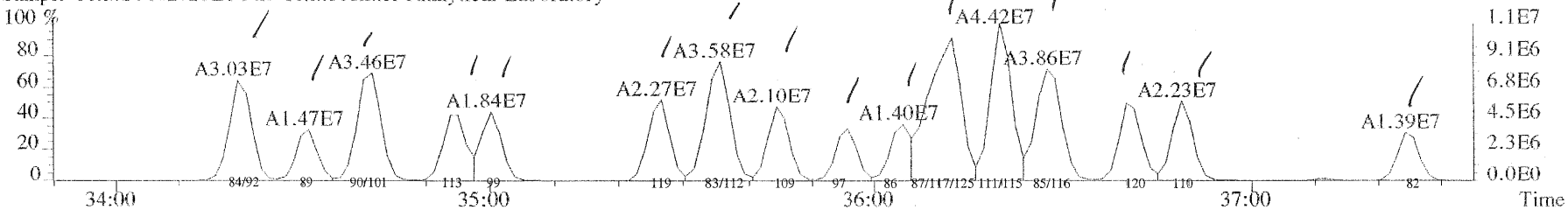
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



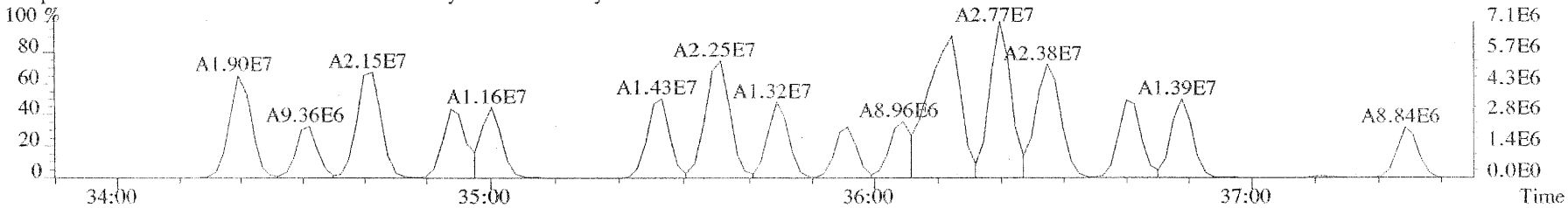
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



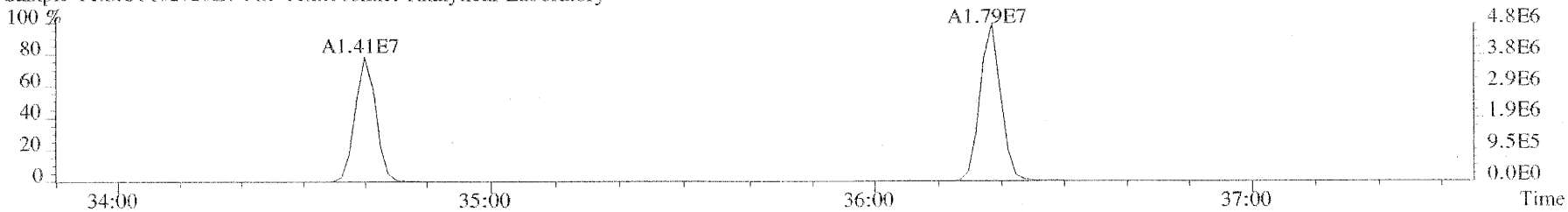
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



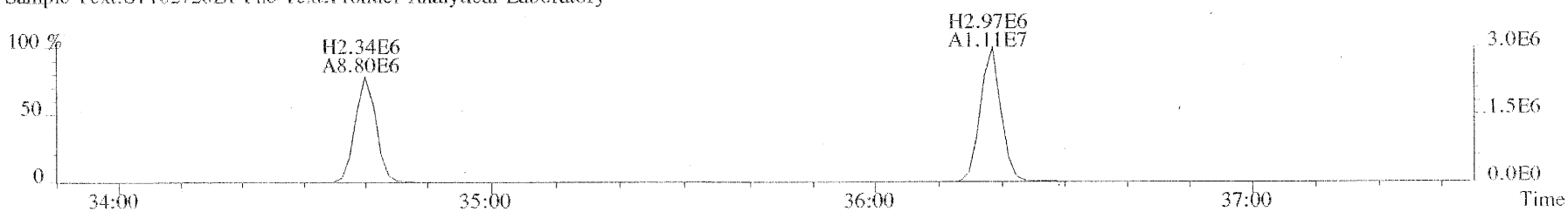
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



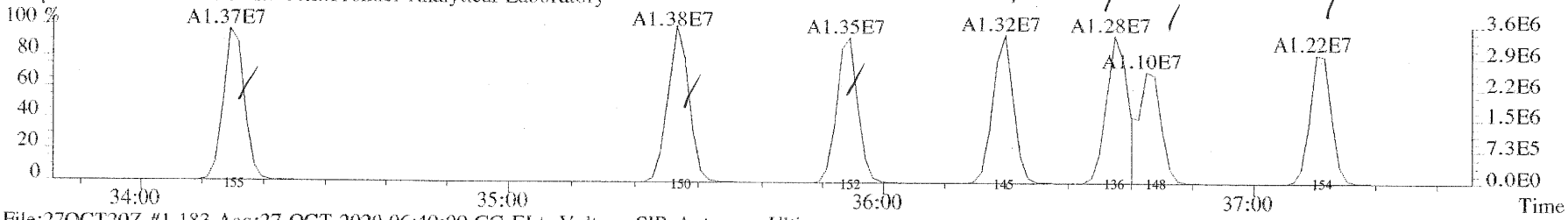
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



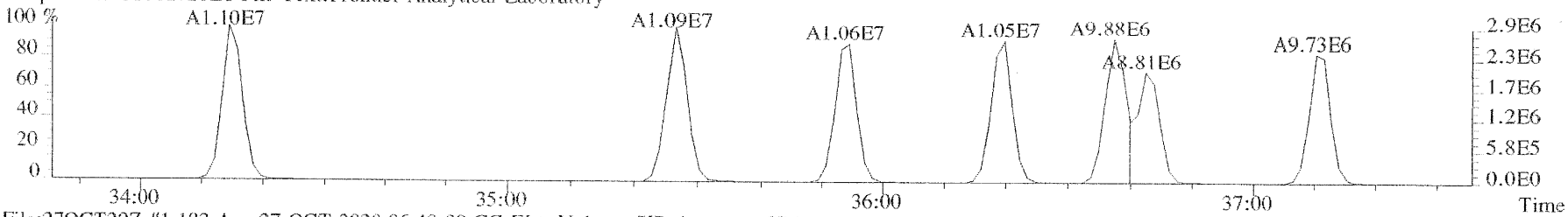
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



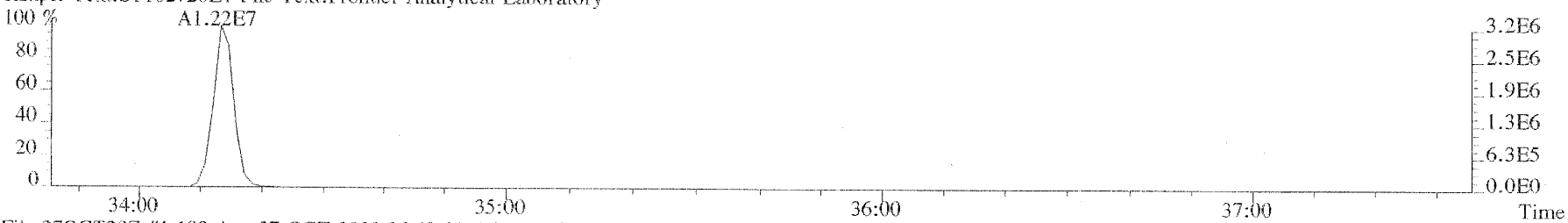
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



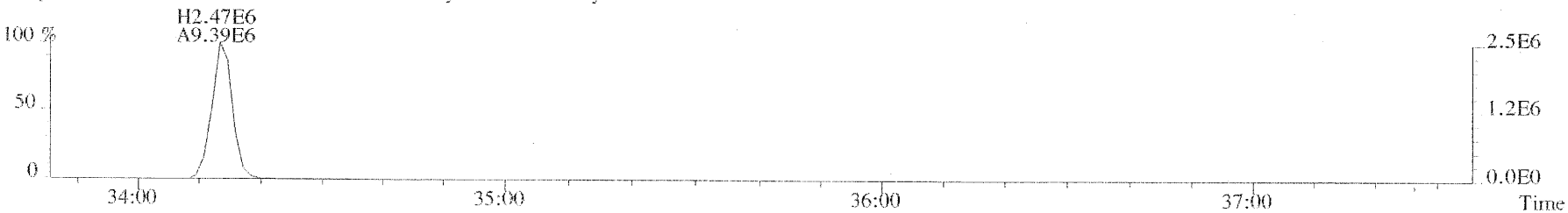
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



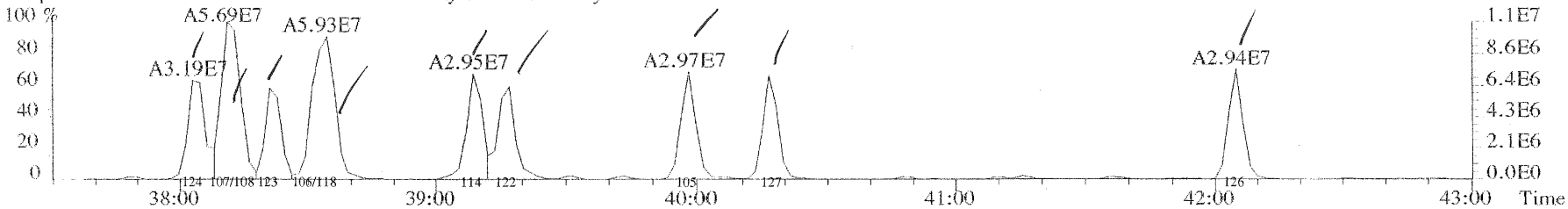
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



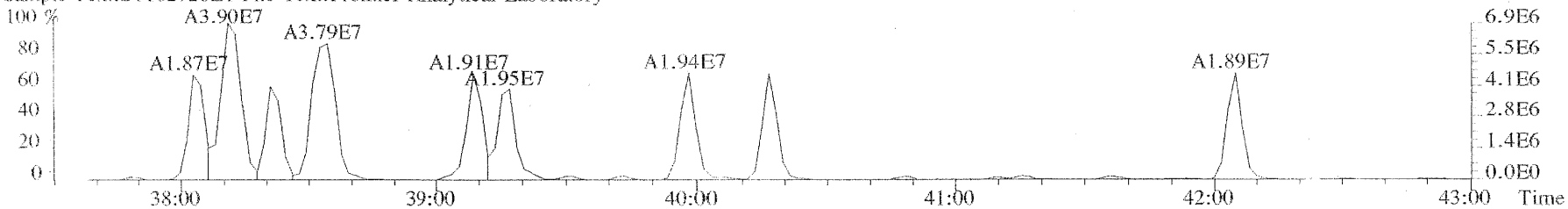
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



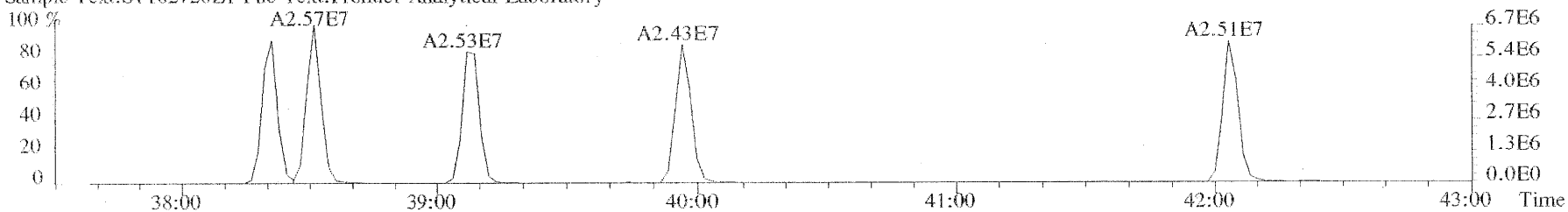
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



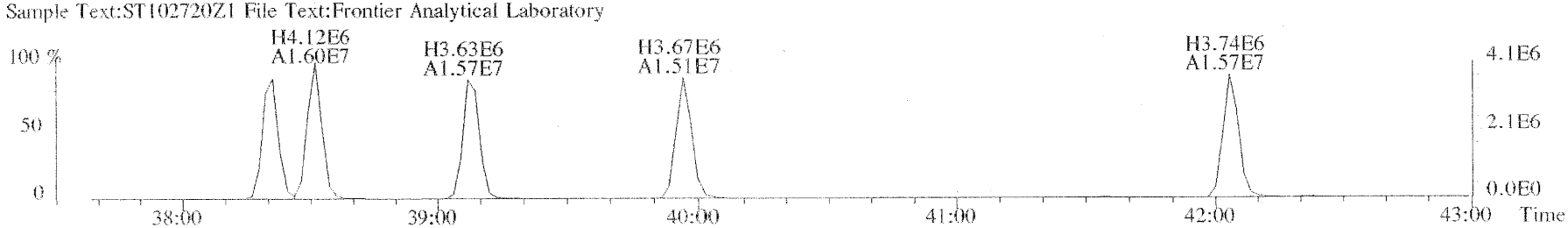
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



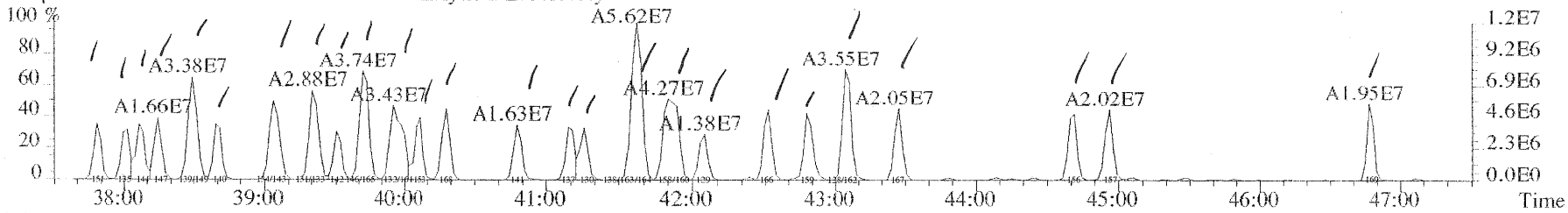
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



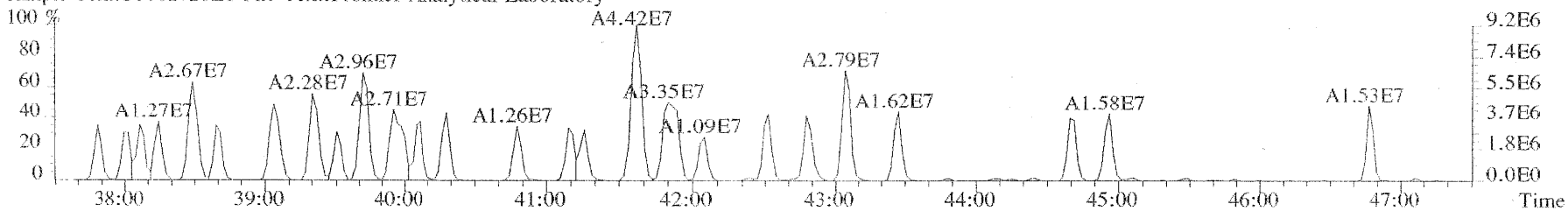
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



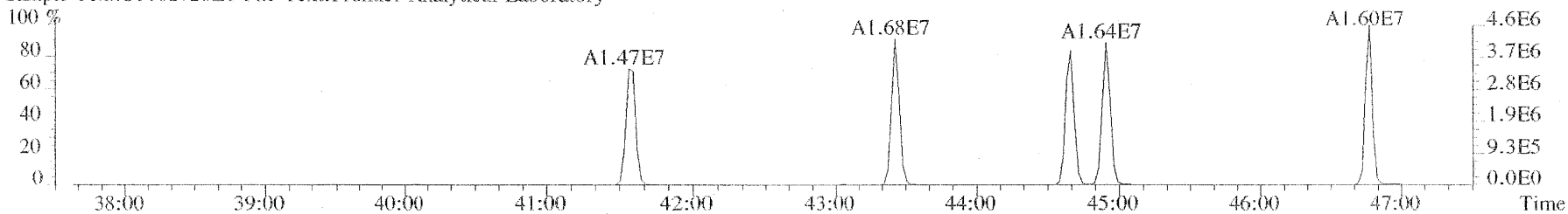
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



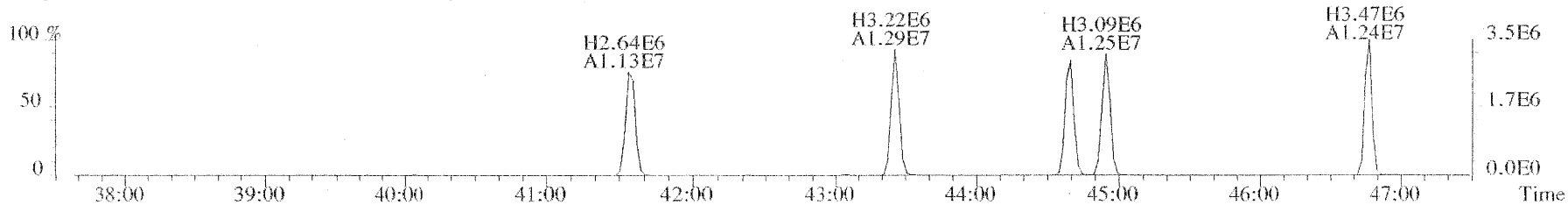
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



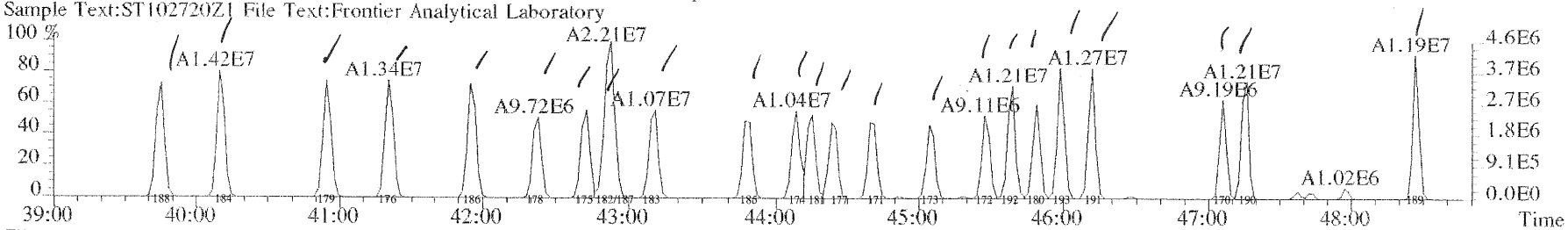
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



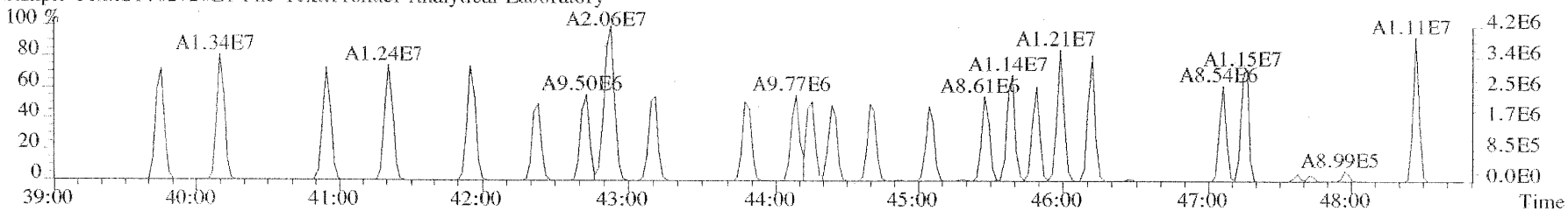
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



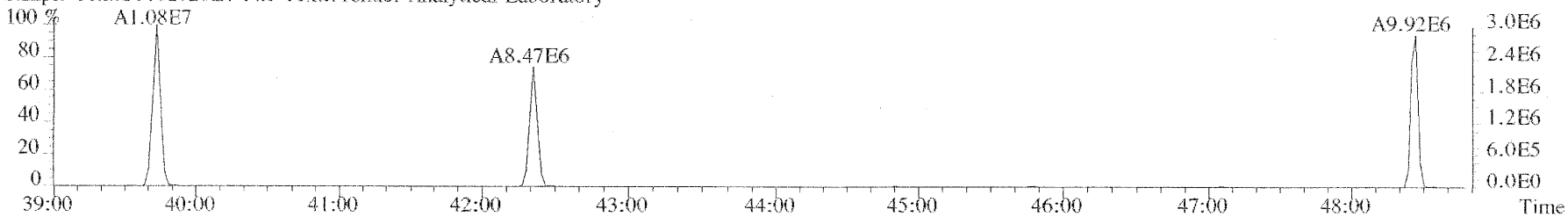
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



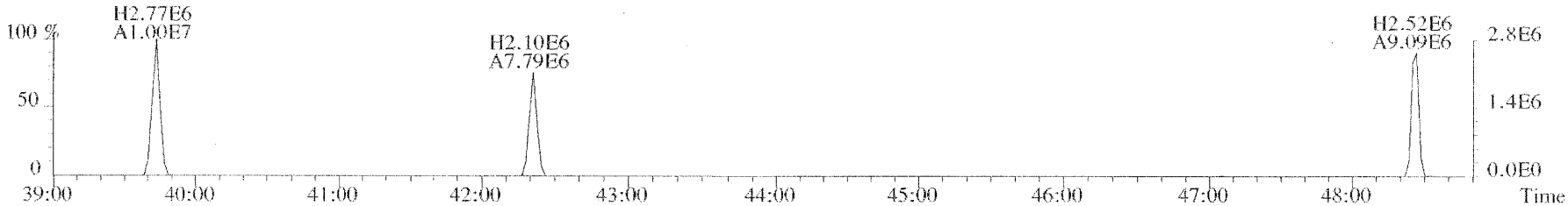
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



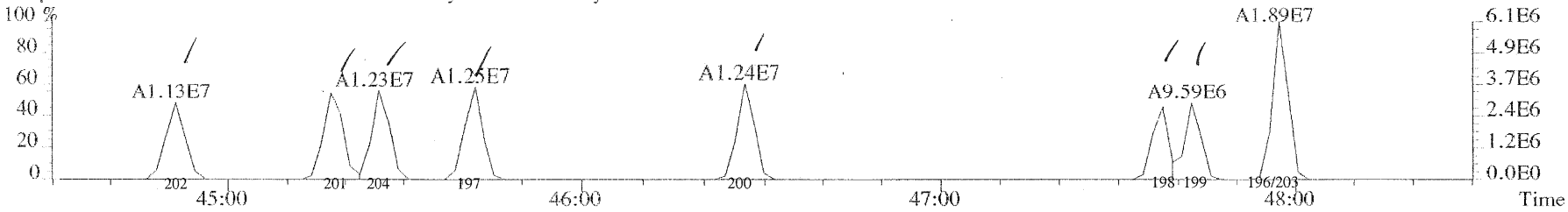
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



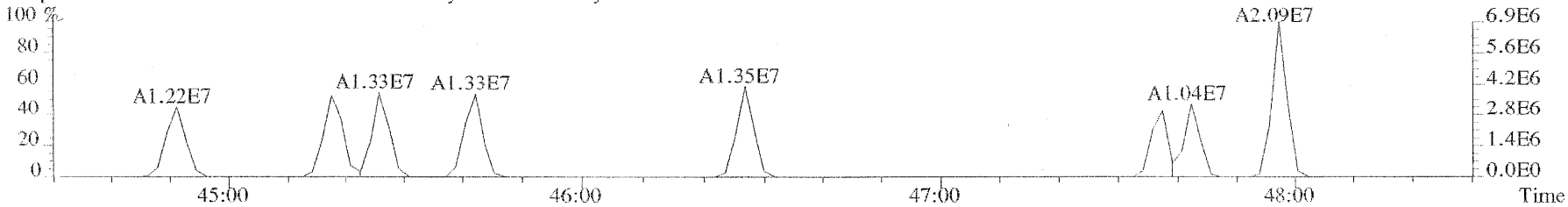
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



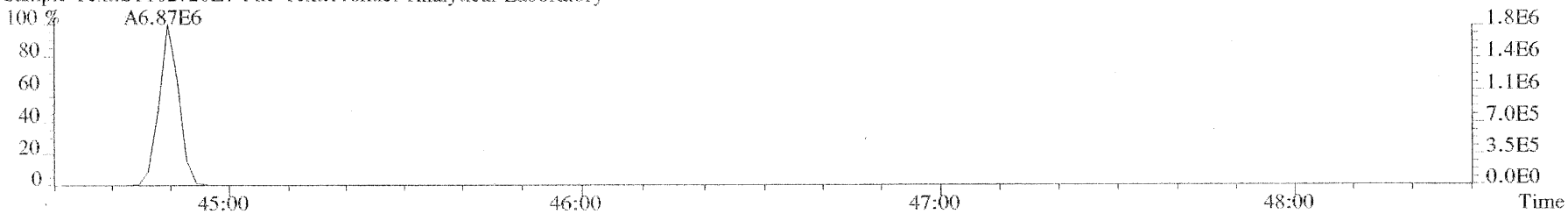
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



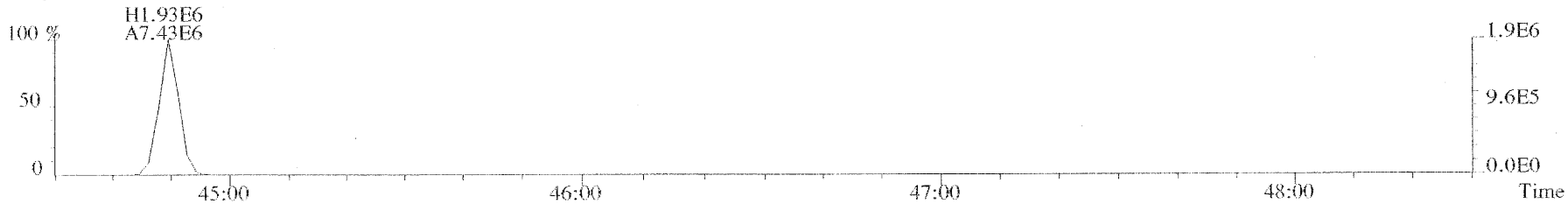
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



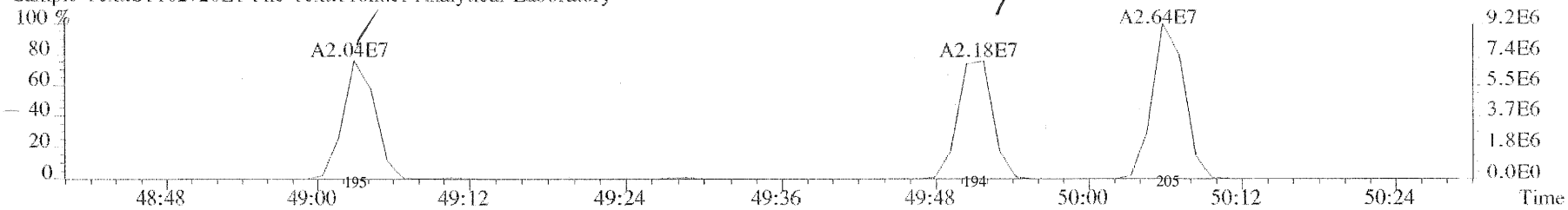
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



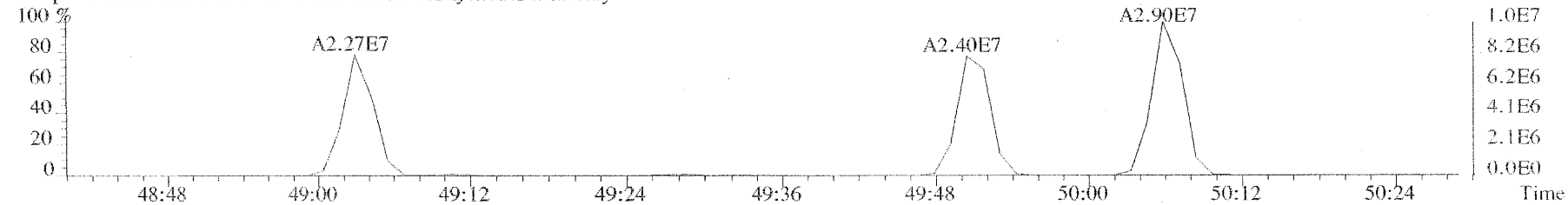
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



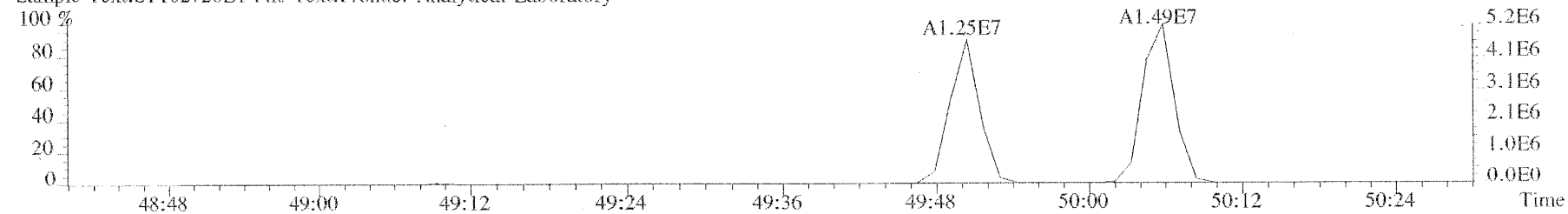
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



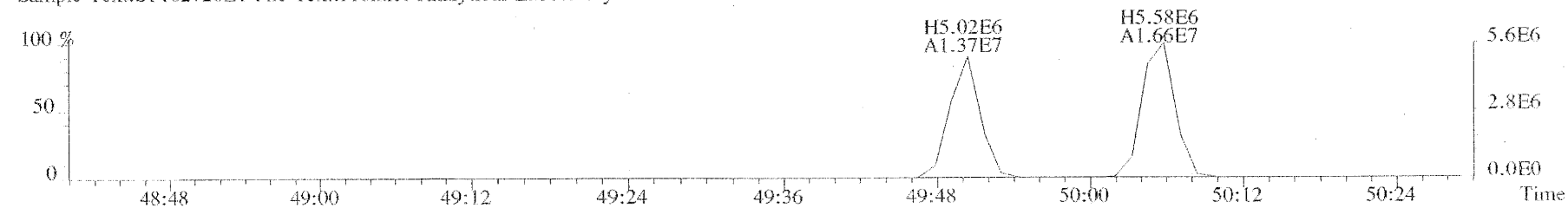
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



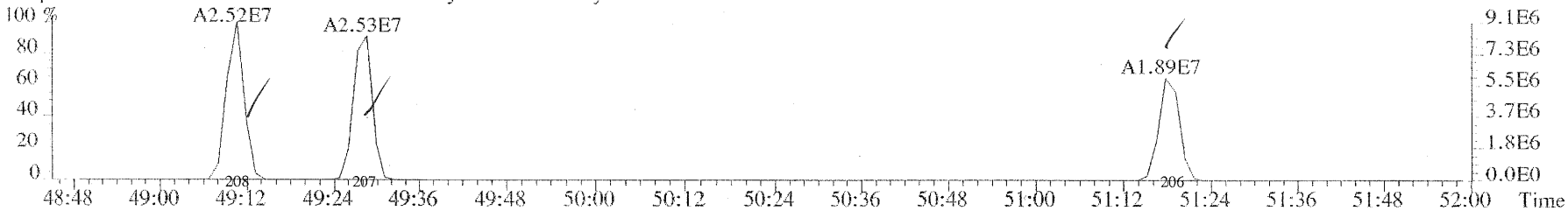
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



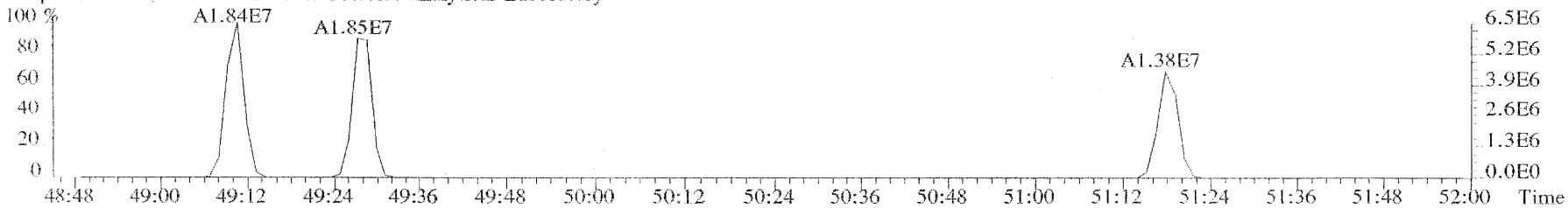
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



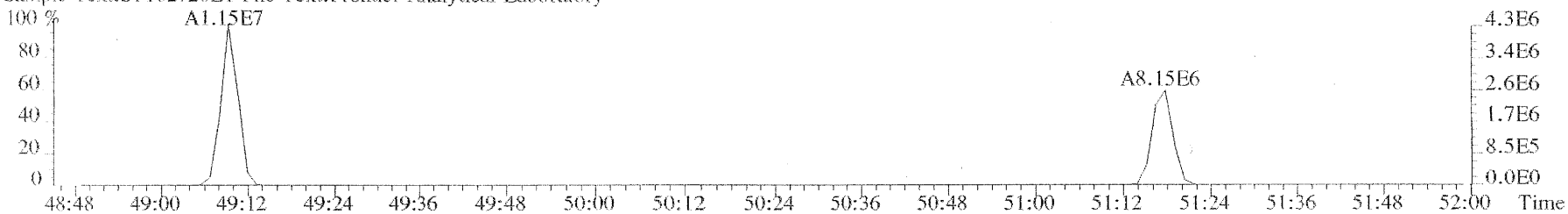
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



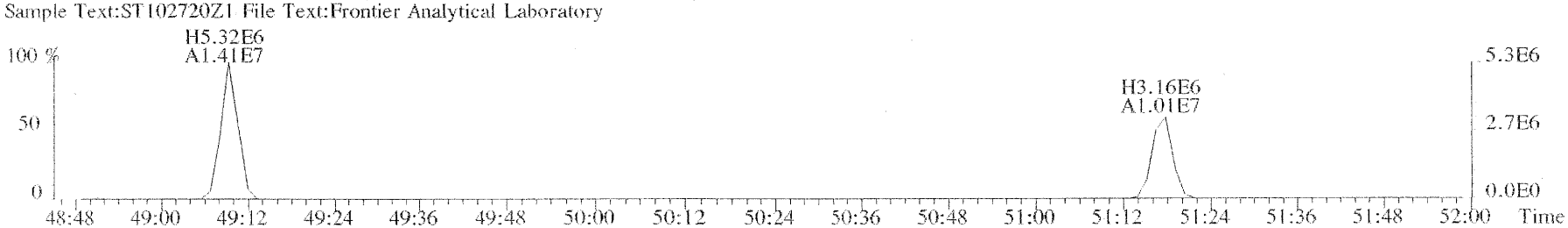
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



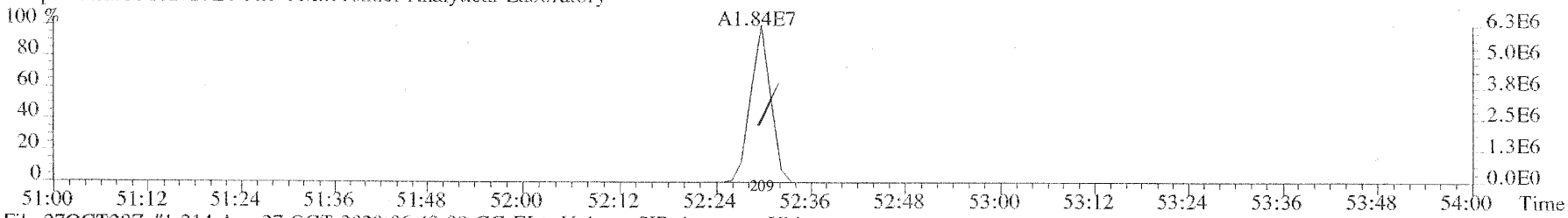
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



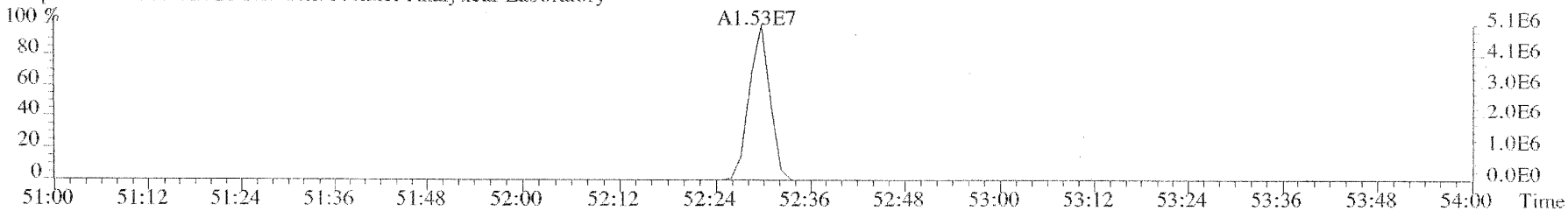
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



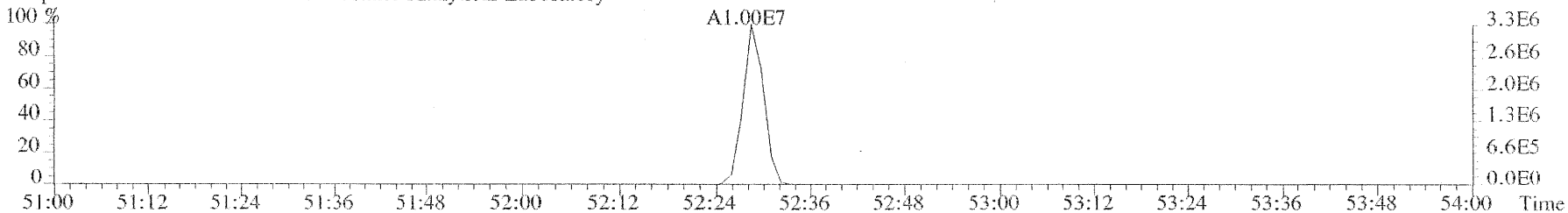
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



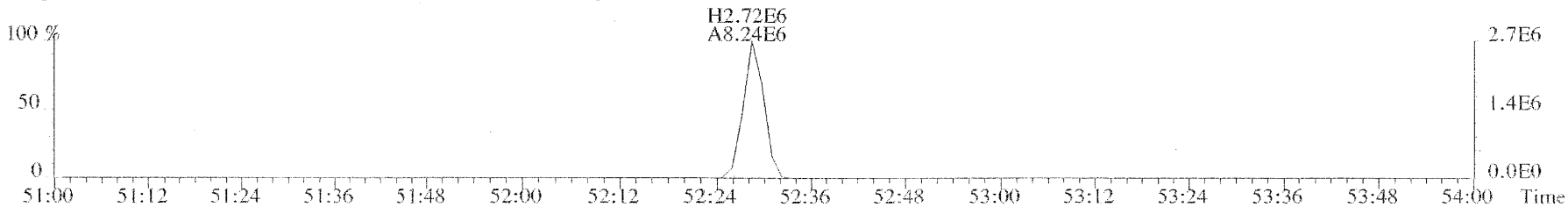
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



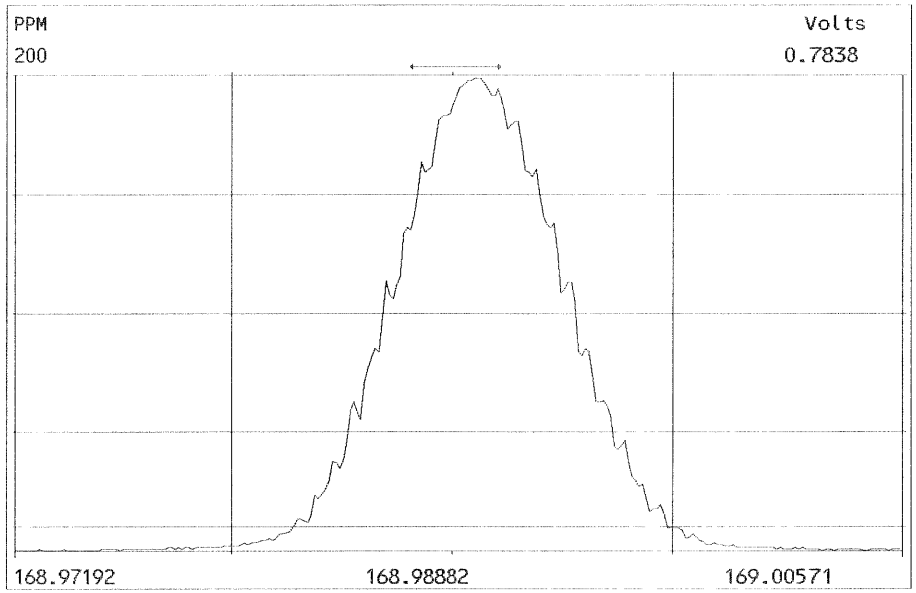
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

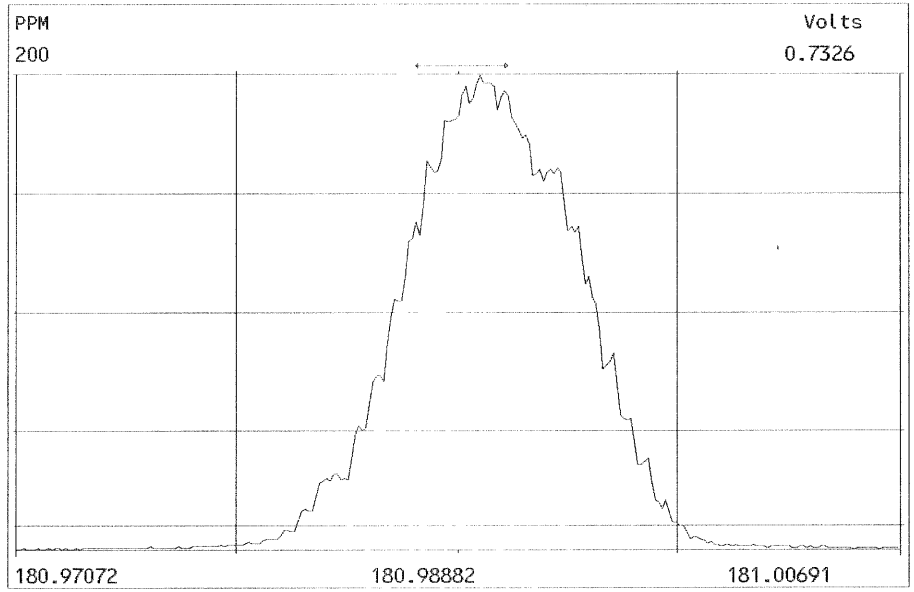


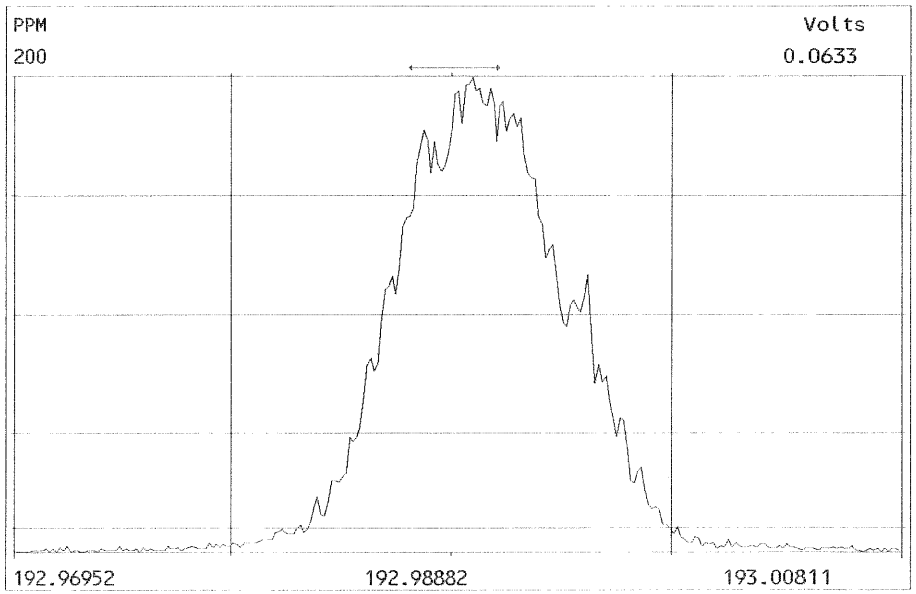
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

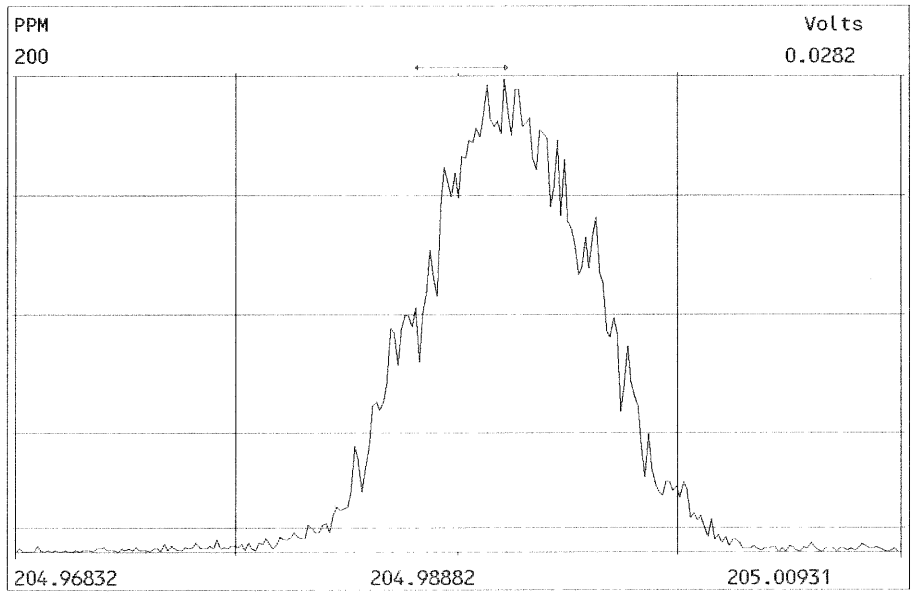


Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

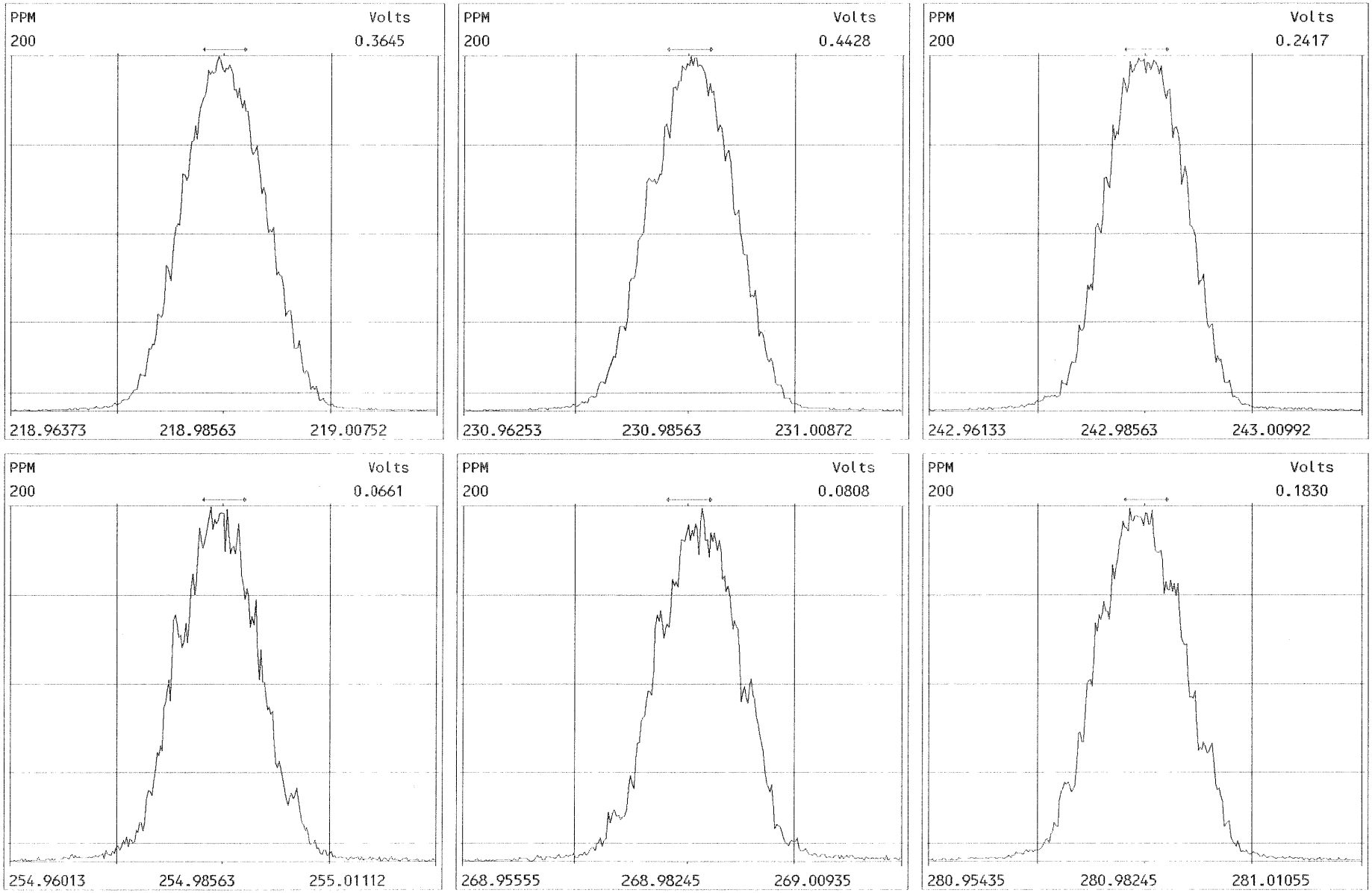




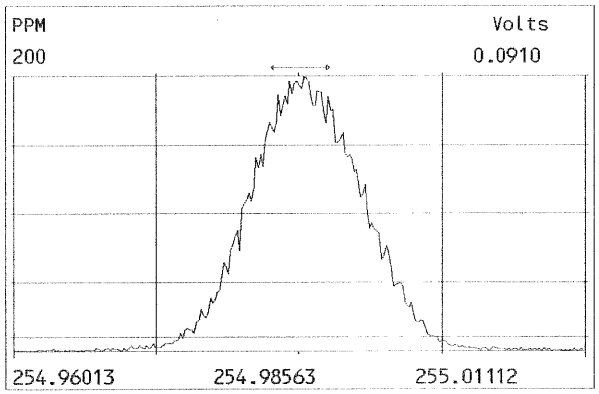


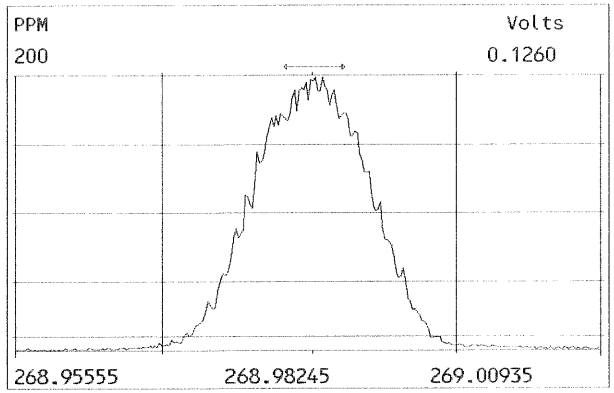


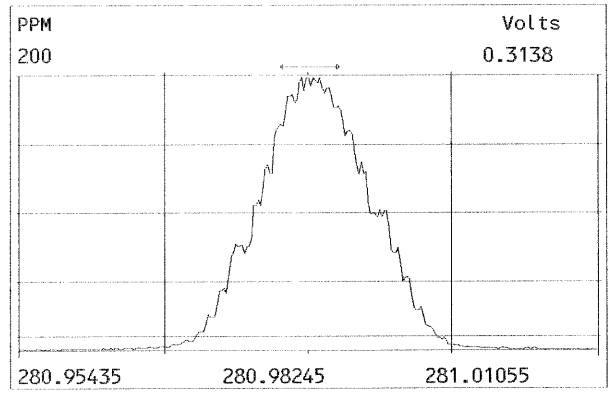
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

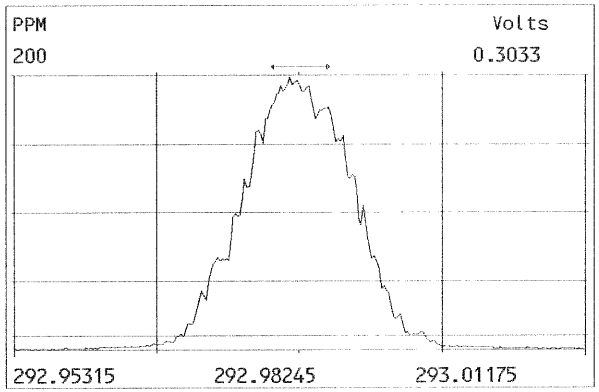


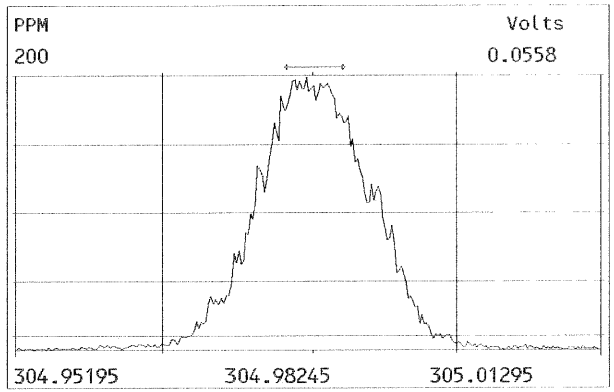
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

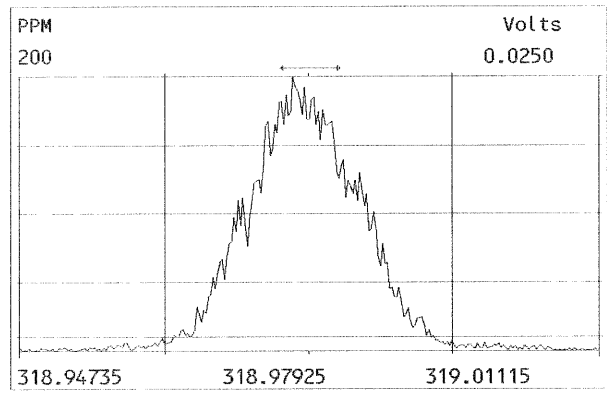


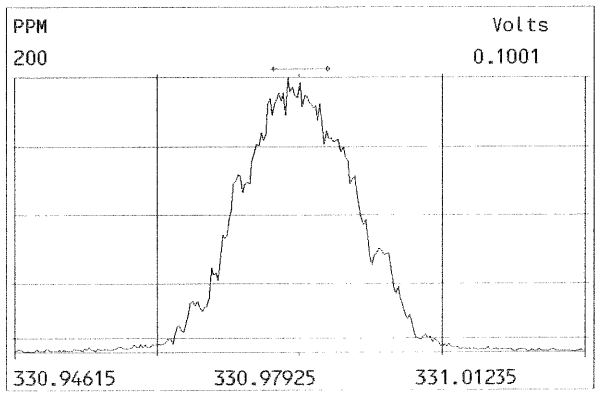


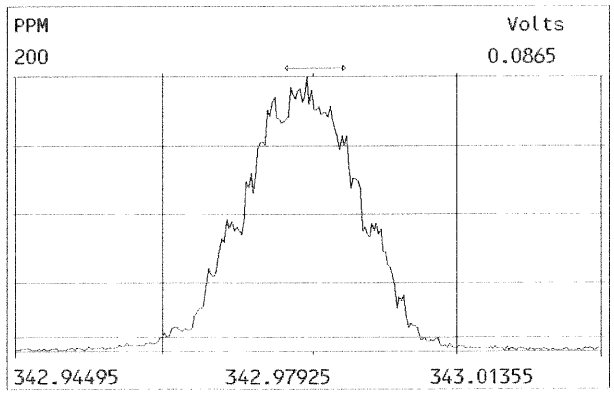




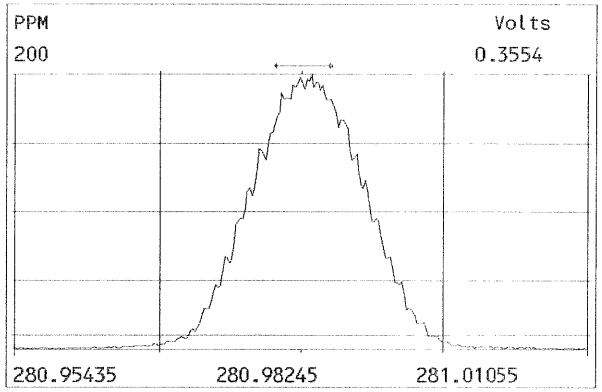


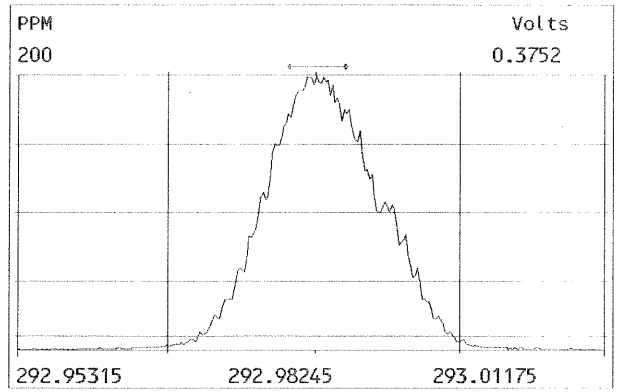


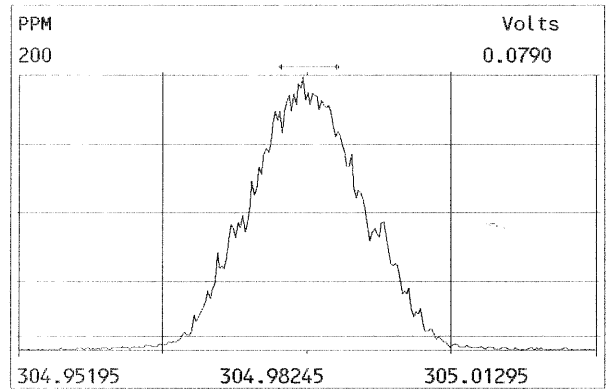


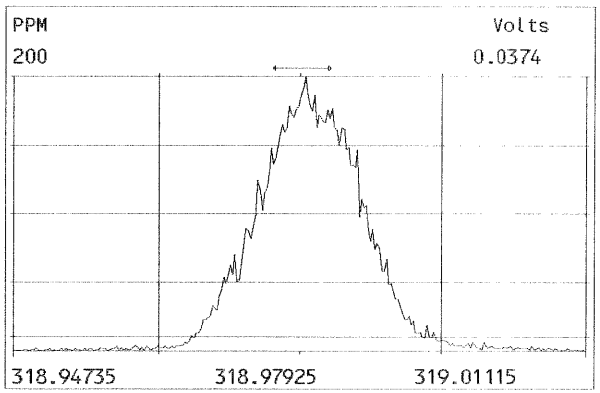


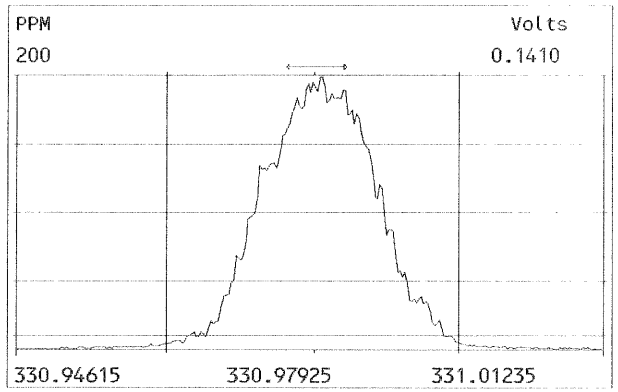
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

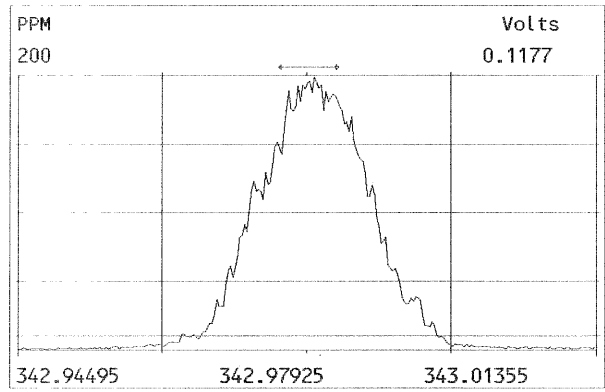


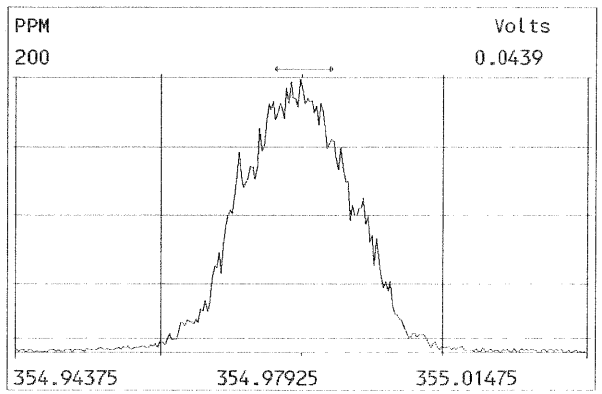


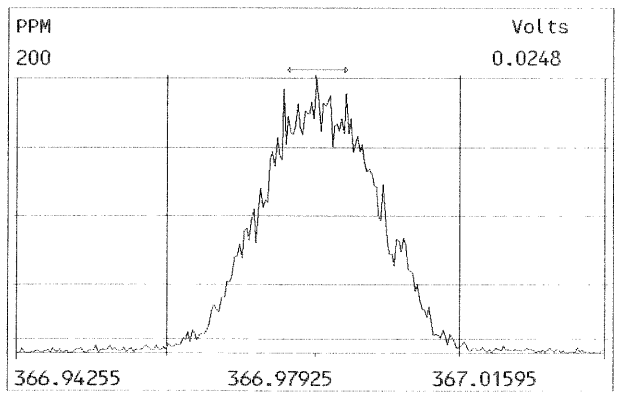


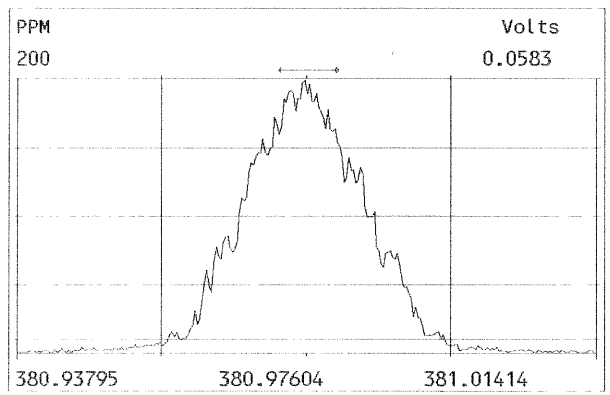




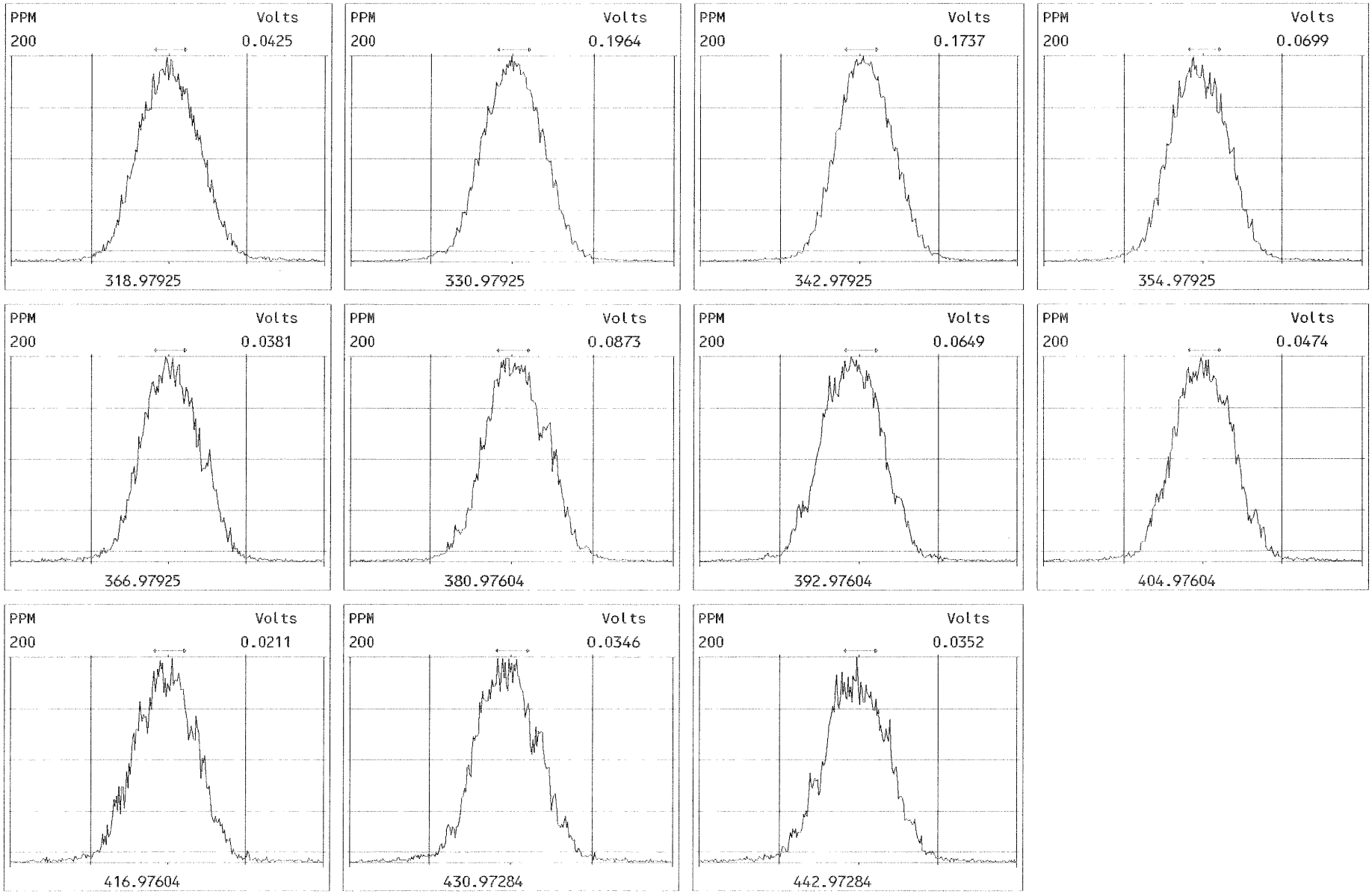




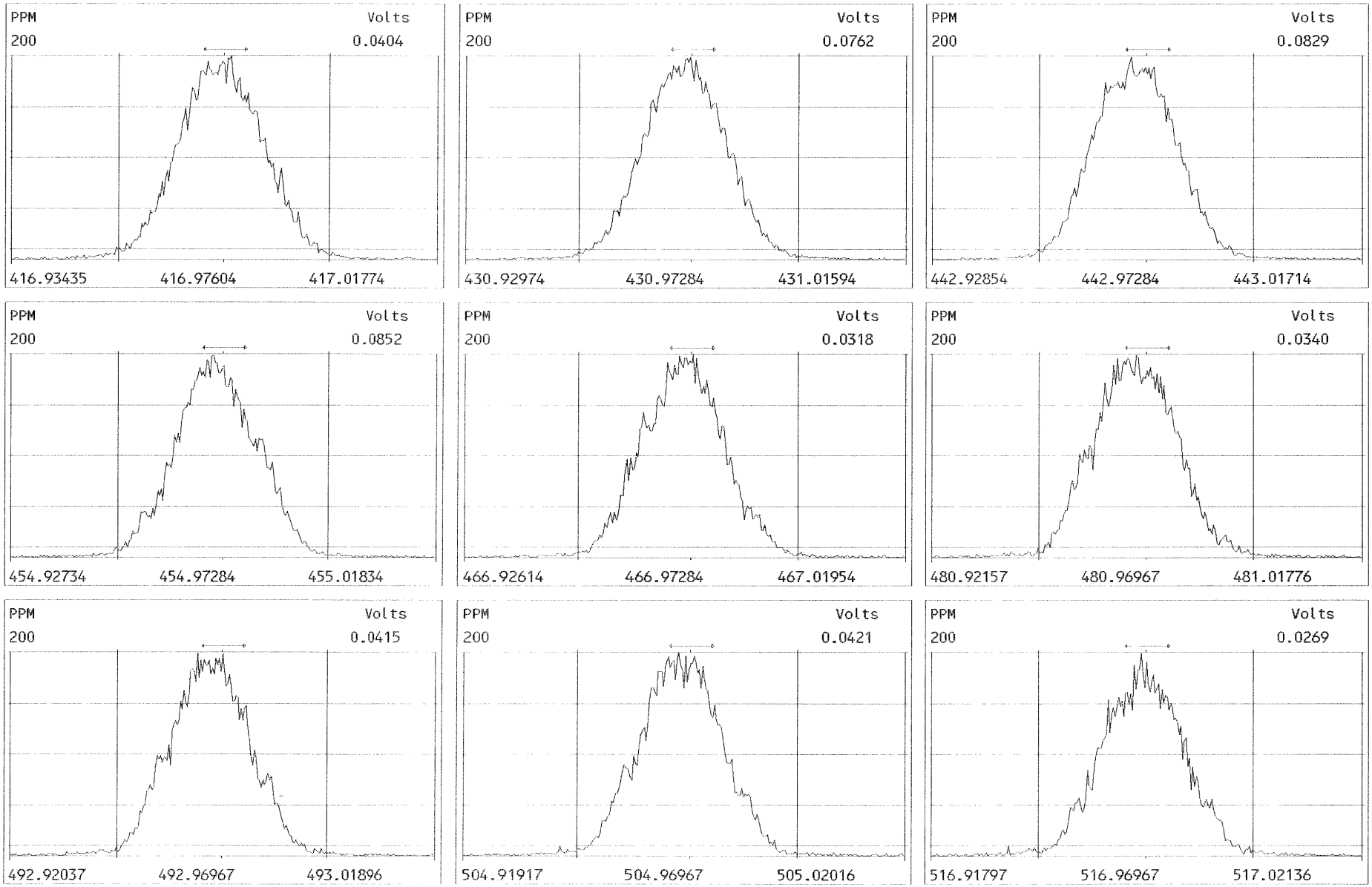




Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:27-OCT-2020:20:58 File:27OCT20Z_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: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.26	2.66-3.60	y	62.1	37.5 - 62.5
PCB-3	M/M+2	3.19	2.66-3.60	y	60.6	37.5 - 62.5
PCB-4	M/M+2	1.42	1.33-1.79	y	55.1	37.5 - 62.5
PCB-15	M/M+2	1.63	1.33-1.79	y	59.1	37.5 - 62.5
PCB-19	M/M+2	1.13	0.88-1.20	y	60.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	54.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	114	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.62	1.32-1.78	y	117	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	117	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	208	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	1.57	1.32-1.78	y	113	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	114	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	118	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	118	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	114	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	113	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	119	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	115	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	185	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	156	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	166	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	168	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	166	112.5 - 187.5

Analyst: _____ Date: 10/30/20

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: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

	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	3.30	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	71.6	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	98.4	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	82.5	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	67.6	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	90.2	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	94.2	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	110	50.0 - 145
13C-PCB-104	M+2/M+4	1.62	1.32-1.78	y	71.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	115	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	109	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	114	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	78.5	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	99.4	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	99.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	92.5	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	99.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	71.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	80.7	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	51.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	85.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	82.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	77.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	67.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	114	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	103	75.0 - 125
13C-PCB-178	M+2/M+4	1.18	0.89-1.21	y	75.5	75.0 - 125

Analyst: _____ Date: 10/30/20

FAL ID: ST10272OZ2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10272OZ1 EndCal: ST10272OZ2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.38e+07	3.26 y	14:34	1.21	62.1		2.50	-	-	*	-
13C-PCB-1	4.49e+07	3.30 y	14:33	0.90	81.2		2.50				81.2
PCB-3	3.05e+07	3.19 y	16:59	1.23	60.6		2.50	-	-	*	-
13C-PCB-3	4.10e+07	3.31 y	16:58	0.93	71.6		2.50				71.6
PCB-4	2.51e+07	1.42 y	18:13	1.14	55.1		2.50	-	-	*	-
13C-PCB-4	3.99e+07	1.60 y	18:12	0.66	98.4		2.50				98.4
PCB-15	3.56e+07	1.63 y	23:45	1.09	59.1		2.50	-	-	*	-
13C-PCB-15	5.51e+07	1.59 y	23:43	1.09	82.5		2.50				82.5
PCB-19	1.54e+07	1.13 y	22:06	1.21	60.4		2.50	-	-	*	-
13C-PCB-19	2.10e+07	1.14 y	22:04	0.50	67.6		2.50				67.6
13C-PCB-9	6.15e+07	1.61 y	19:53	-	60.3		2.50				
PCB-37	2.51e+07	1.10 y	30:23	1.14	54.3		2.50	-	-	*	-
13C-PCB-37	4.03e+07	1.04 y	30:22	1.64	90.2		2.50				90.2
PCB-54	4.39e+07	0.78 y	25:39	1.18	114		2.50	-	-	*	-
13C-PCB-54	3.25e+07	0.82 y	25:37	1.26	94.2		2.50				94.2
PCB-104	2.60e+07	1.62 y	30:04	1.12	117		2.50	-	-	*	-
13C-PCB-104	1.98e+07	1.62 y	30:03	1.02	71.2		2.50				71.2
13C-PCB-28	5.39e+07	1.09 y	26:41	1.73	114		2.50				114
13C-PCB-52	2.73e+07	0.82 y	28:57	-	51.3		2.50				
PCB-81	5.41e+07	0.82 y	36:08	1.13	124		2.50	-	-	*	-
13C-PCB-81	3.86e+07	0.79 y	36:07	1.57	110		2.50				110
PCB-77	4.77e+07	0.83 y	36:42	1.10	106		2.50	-	-	*	-
13C-PCB-77	4.10e+07	0.79 y	36:41	1.61	114		2.50				114
PCB-155	2.50e+07	1.29 y	34:13	1.13	114		2.50	-	-	*	-
13C-PCB-155	1.94e+07	1.34 y	34:12	1.10	78.5		2.50				78.5
13C-PCB-111	2.94e+07	1.63 y	36:17	1.27	103		2.50				103
13C-PCB-101	2.24e+07	1.65 y	34:38	-	47.0		2.50				
PCB-123	4.30e+07	1.61 y	38:21	1.11	103		2.50	-	-	*	-
13C-PCB-123	3.78e+07	1.60 y	38:19	1.28	109		2.50				109
PCB-118	9.91e+07	1.56 y	38:32	1.12	208		2.50	-	-	*	-
13C-PCB-118	4.24e+07	1.60 y	38:29	1.35	116		2.50				116
PCB-114	5.30e+07	1.57 y	39:08	1.13	117		2.50	-	-	*	-
13C-PCB-114	4.01e+07	1.60 y	39:07	1.29	115		2.50				115
PCB-105	5.13e+07	1.57 y	39:56	1.10	116		2.50	-	-	*	-
13C-PCB-105	4.00e+07	1.60 y	39:55	1.28	116		2.50				116
PCB-126	4.65e+07	1.57 y	42:03	1.08	113		2.50	-	-	*	-
13C-PCB-126	3.79e+07	1.58 y	42:03	1.23	114		2.50				114
PCB-167	3.88e+07	1.26 y	43:25	1.11	114		2.50	-	-	*	-
13C-PCB-167	3.06e+07	1.28 y	43:24	1.23	92.5		2.50				92.5
PCB-156	4.23e+07	1.28 y	44:39	1.13	118		2.50	-	-	*	-
13C-PCB-156	3.18e+07	1.30 y	44:38	1.19	99.4		2.50				99.4
PCB-157	4.14e+07	1.27 y	44:54	1.08	118		2.50	-	-	*	-
13C-PCB-157	3.25e+07	1.31 y	44:52	1.21	99.4		2.50				99.4
PCB-169	3.83e+07	1.29 y	46:46	1.08	113		2.50	-	-	*	-
13C-PCB-169	3.14e+07	1.30 y	46:44	1.17	99.6		2.50				99.6
PCB-188	2.84e+07	1.05 y	39:43	1.10	119		2.50	-	-	*	-
13C-PCB-188	2.17e+07	1.08 y	39:41	1.13	71.4		2.50				71.4
PCB-189	2.58e+07	1.09 y	48:26	1.07	115		2.50	-	-	*	-
13C-PCB-189	2.10e+07	1.08 y	48:25	0.97	80.7		2.50				80.7
PCB-202	2.52e+07	0.96 y	44:49	1.03	185		2.50	-	-	*	-
13C-PCB-202	1.32e+07	0.95 y	44:49	0.96	51.3		2.50				51.3
13C-PCB-178	1.58e+07	1.18 y	42:19	0.78	75.5		2.50				75.5
13C-PCB-138	2.70e+07	1.28 y	41:33	-	56.1		2.50				

FAL ID: ST10272OZ2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10272OZ1 EndCal: ST10272OZ2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.02e+07	0.92	y	50:05	1.09	156	2.50	-	-	*	-
13C-PCB-205	3.55e+07	0.89	y	50:04	1.32	85.7	2.50				85.7
PCB-208	5.69e+07	1.36	y	49:09	1.01	168	2.50	-	-	*	-
13C-PCB-208	3.36e+07	0.82	y	49:09	1.38	77.5	2.50				77.5
PCB-206	4.22e+07	1.35	y	51:17	1.04	166	2.50	-	-	*	-
13C-PCB-206	2.45e+07	0.81	y	51:16	0.94	82.9	2.50				82.9
PCB-209	4.42e+07	1.20	y	52:28	1.13	166	2.50	-	-	*	-
13C-PCB-209	2.36e+07	1.21	y	52:28	1.10	67.9	2.50				67.9
13C-PCB-194	3.15e+07	0.91	y	49:49	-	82.7	2.50				

Analyst: k Date: 10/30/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:27OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

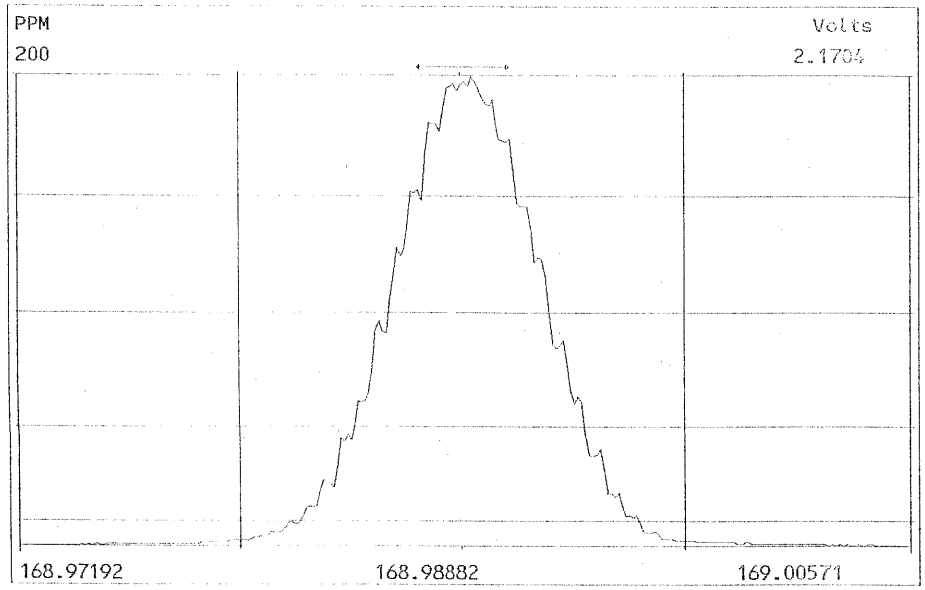
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	05495-001-0001-MB	Method Blank	27-OCT-20 09:35:12	ST102720Z1	ST102720Z2	BS
27OCT20Z	5	13373-013-0001-SA	LDW-Y3-SU-S010-TB	27-OCT-20 10:33:33	ST102720Z1	ST102720Z2	BS
27OCT20Z	6	13373-014-0001-SA	LDW-Y3-LBS-WAT-S010-SPME	27-OCT-20 11:31:54	ST102720Z1	ST102720Z2	BS
27OCT20Z	7	13237-001-0001-SA	LDW-Y3-SU-ENR-CA-CORE	27-OCT-20 12:30:15	ST102720Z1	ST102720Z2	BS
27OCT20Z	8	13237-002-0001-SA	LDW-Y3-SU-ENR-CB-CORE	27-OCT-20 13:28:37	ST102720Z1	ST102720Z2	BS
27OCT20Z	9	13237-003-0001-SA	LDW-Y3-SU-ENR-CC-CORE	27-OCT-20 14:26:58	ST102720Z1	ST102720Z2	BS
27OCT20Z	10	13237-006-0001-SA	LDW-Y3-SU-ENR+AC-CA-CORE	27-OCT-20 15:25:19	ST102720Z1	ST102720Z2	BS
27OCT20Z	11	13237-008-0001-SA	LDW-Y3-SU-ENR+AC-CC-CORE	27-OCT-20 16:23:40	ST102720Z1	ST102720Z2	BS
27OCT20Z	12	13237-009-0001-SA	LDW-Y3-SU-ENR+AC-CD-CORE	27-OCT-20 17:22:02	ST102720Z1	ST102720Z2	BS
27OCT20Z	13	SB102720Z1	Solvent Blank	27-OCT-20 18:20:23	ST102720Z1	ST102720Z2	BS
27OCT20Z	14	ST102720Z2	CS209 200406A	27-OCT-20 19:18:44	ST102720Z1	ST102720Z2	BS

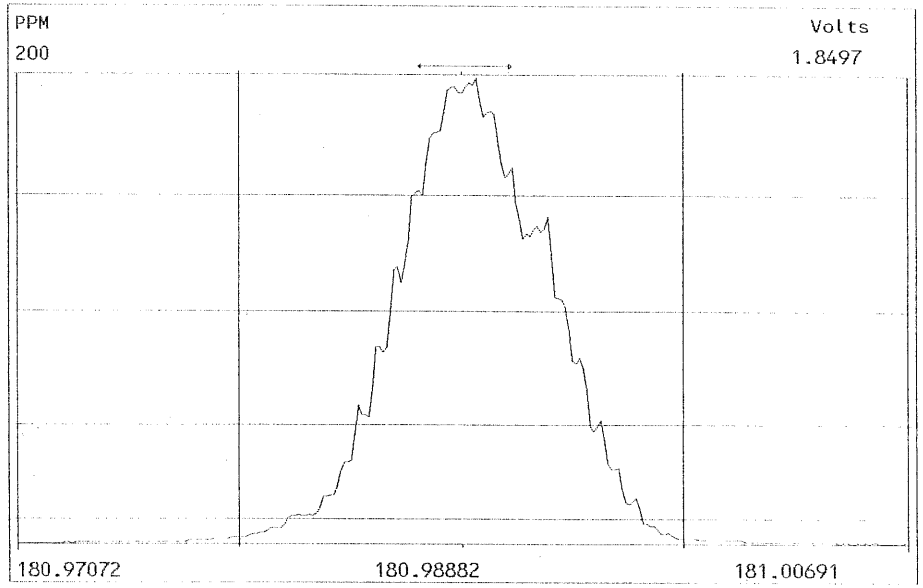
10/28/20

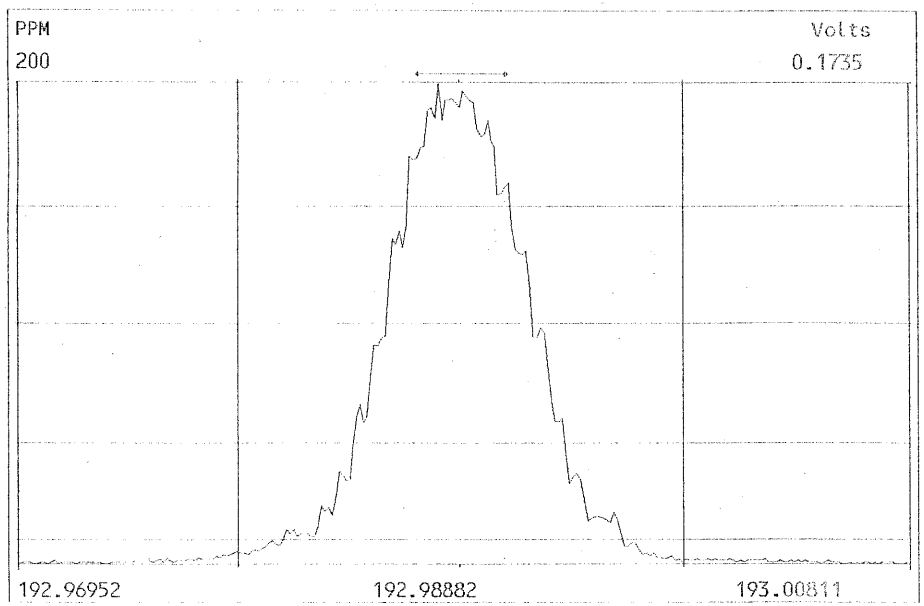
Data Backed Up:_____

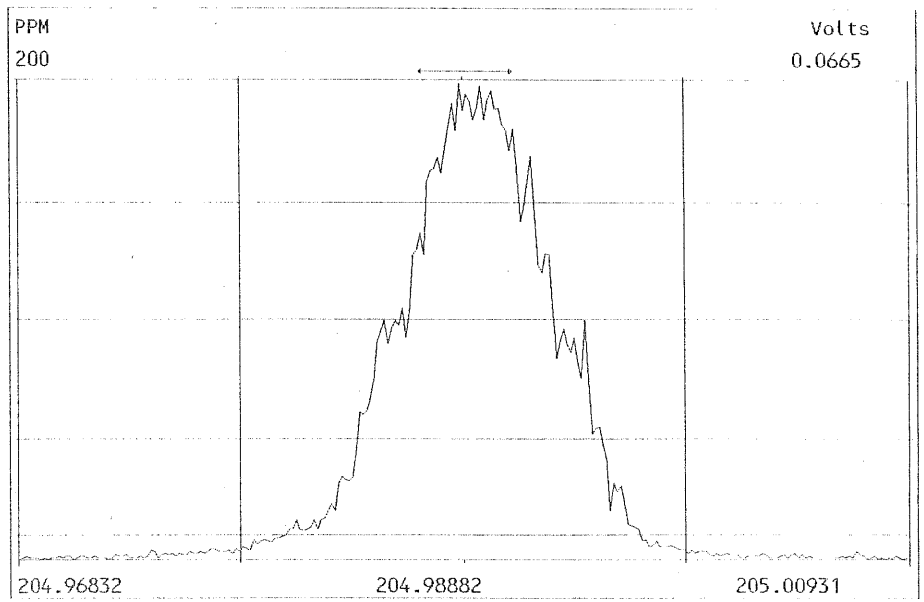
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

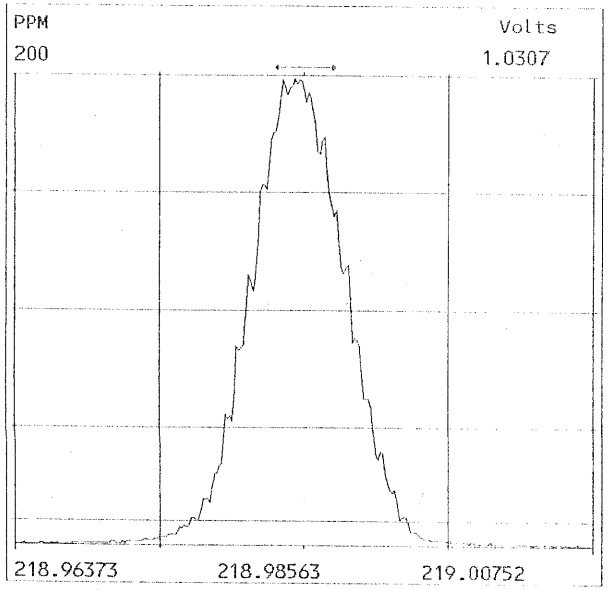


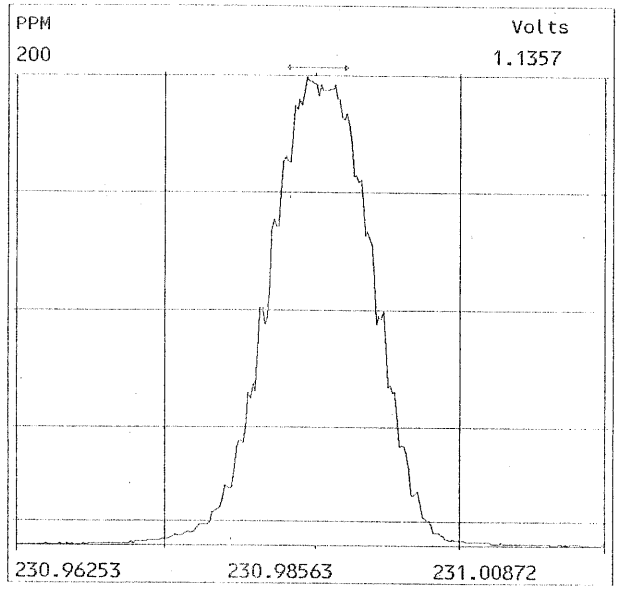


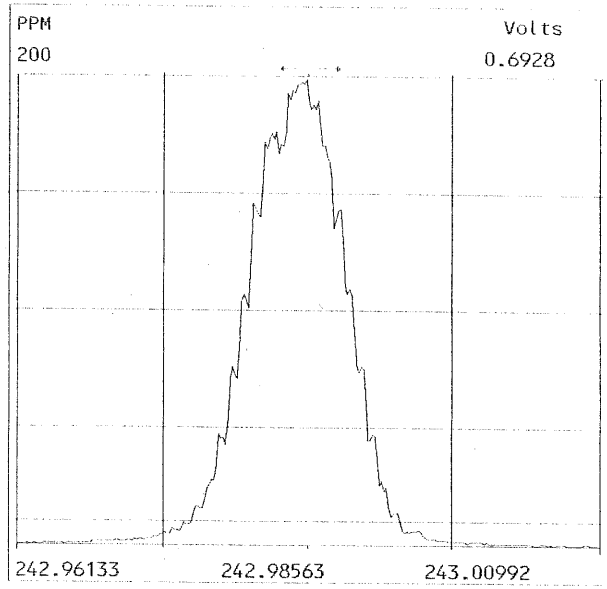


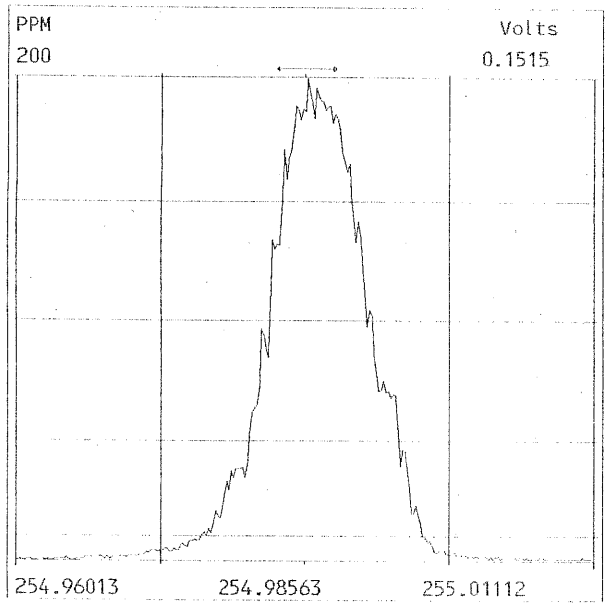


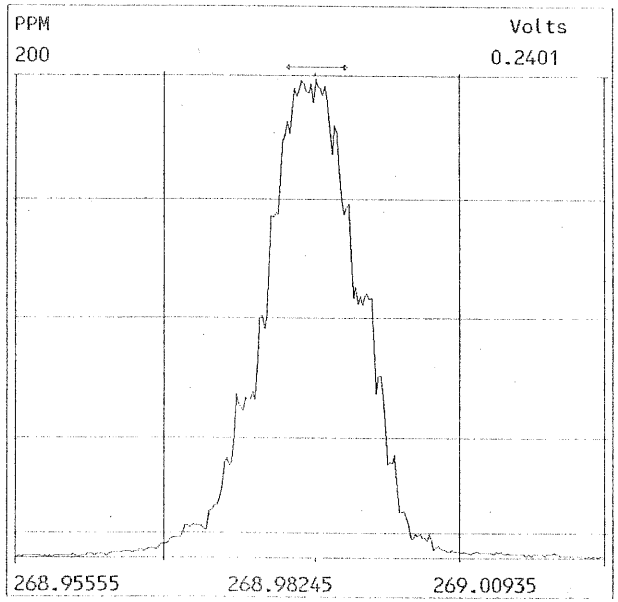
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

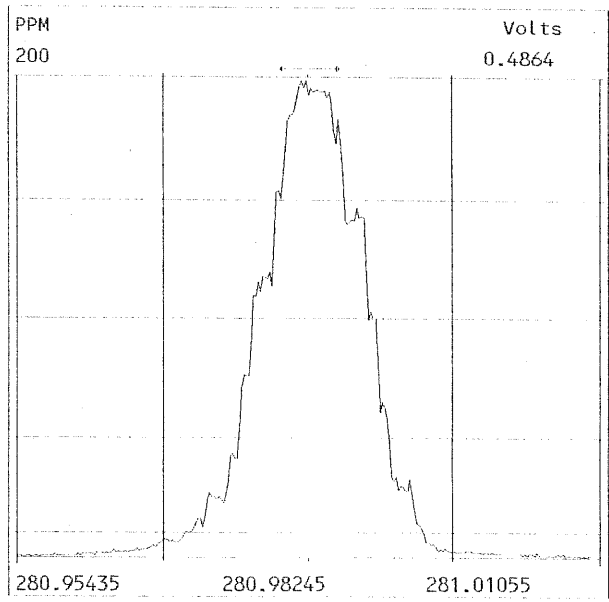




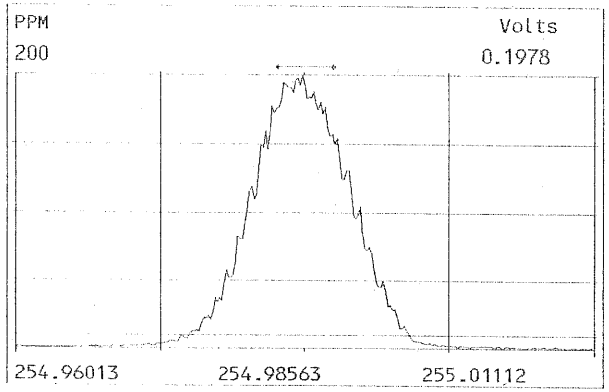


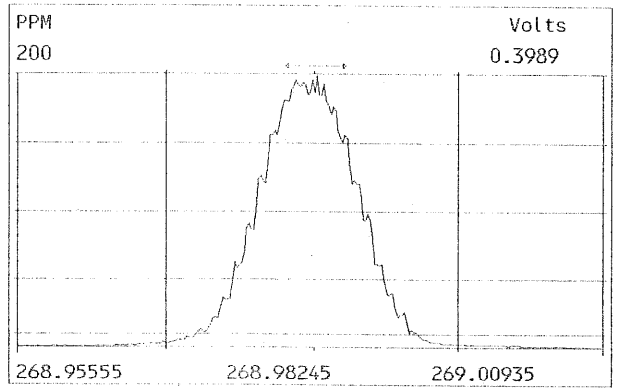


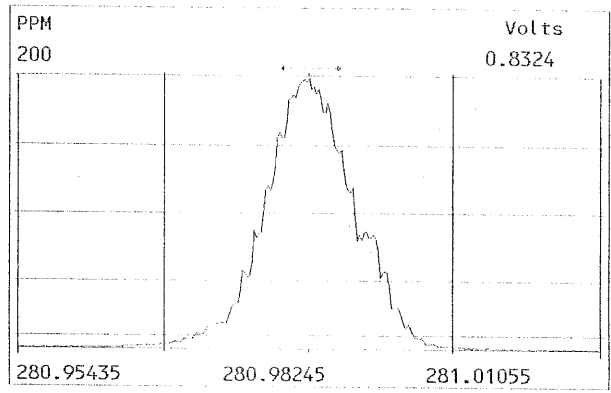


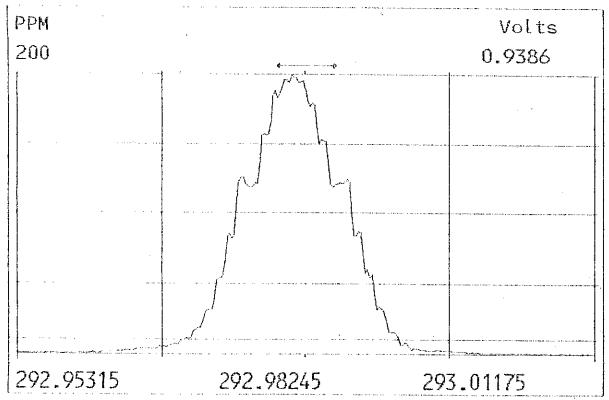


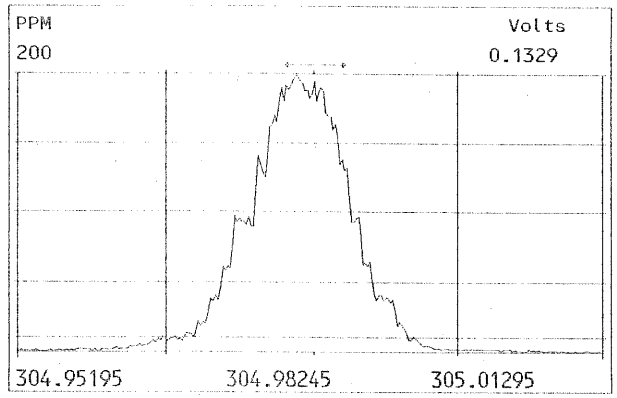
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

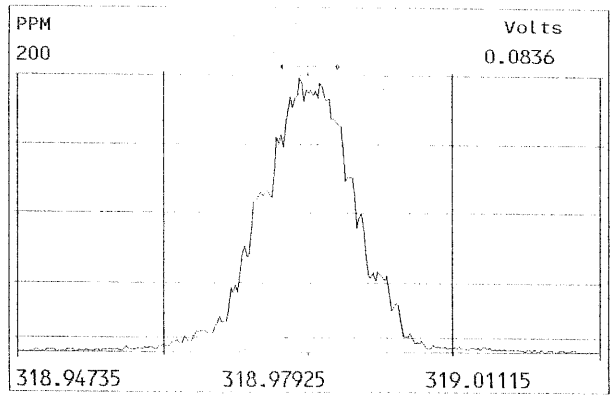


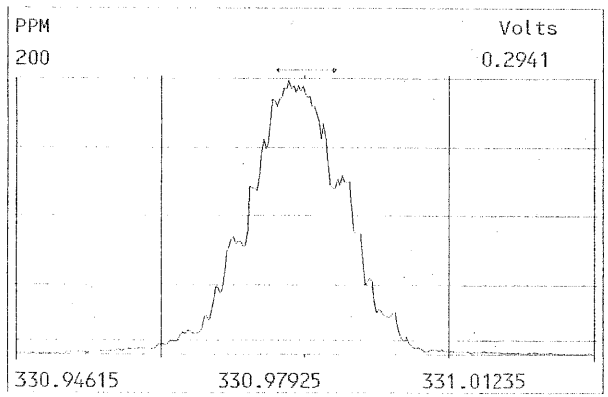


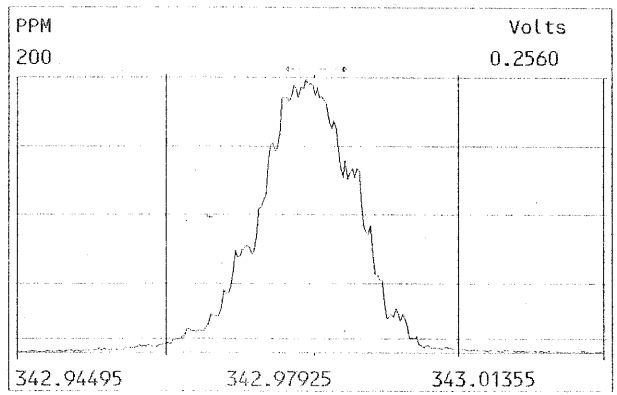






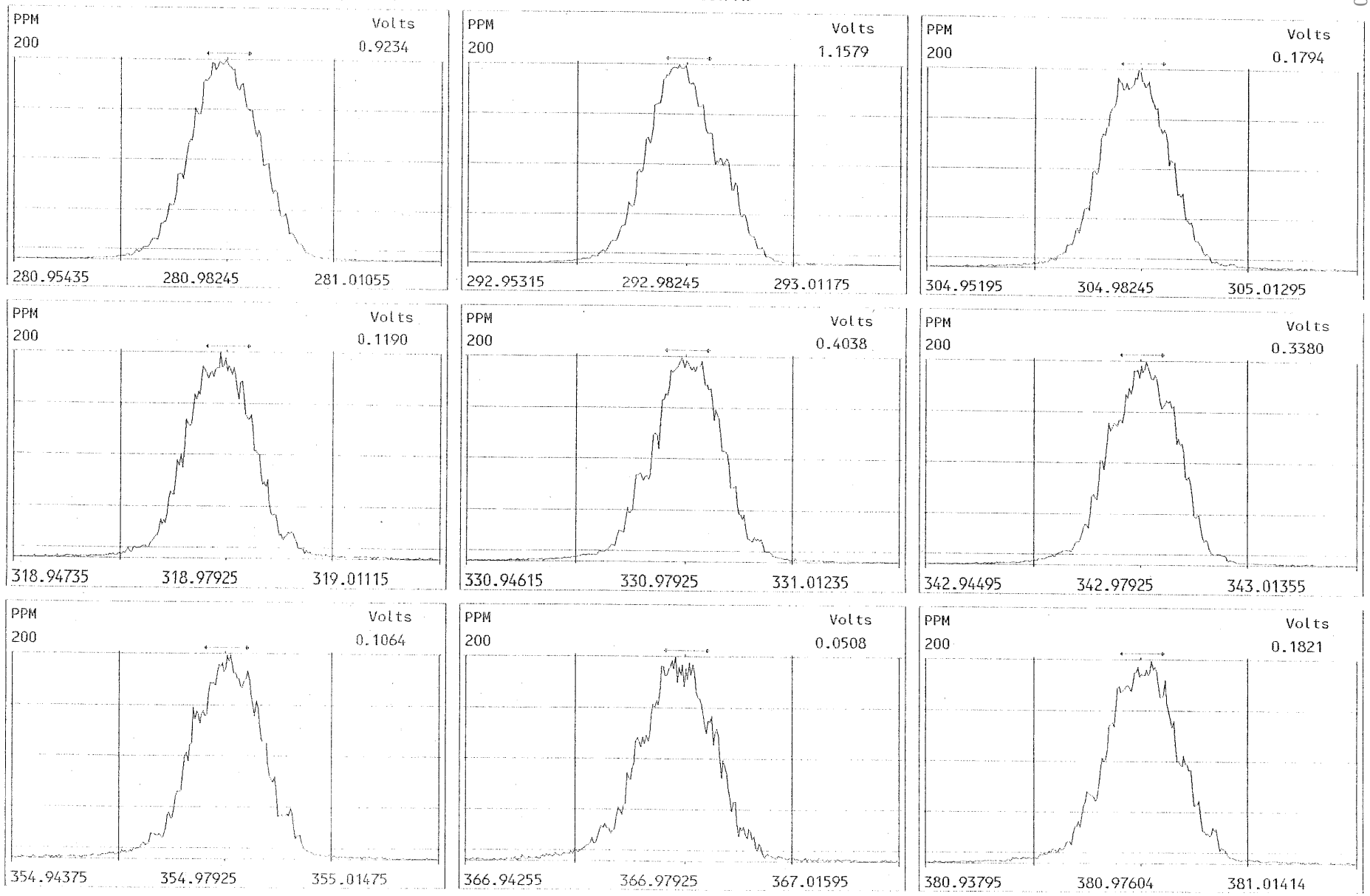




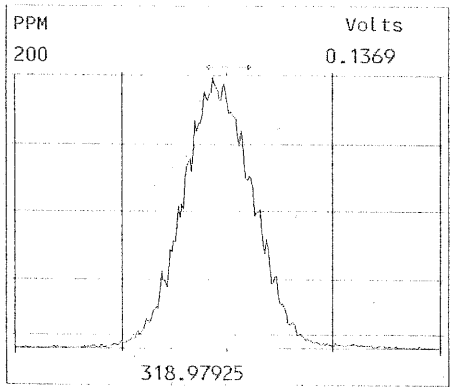


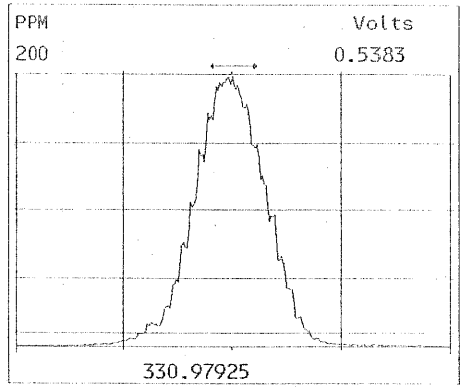
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z

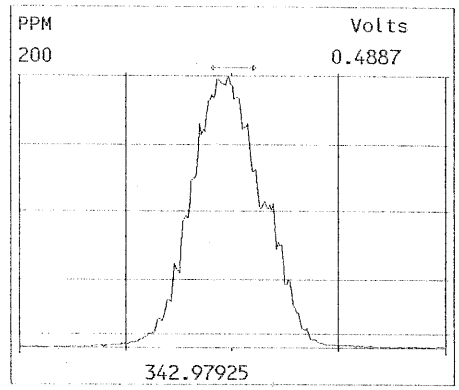
Experiment:1668PCB Function:4 Reference:PFK

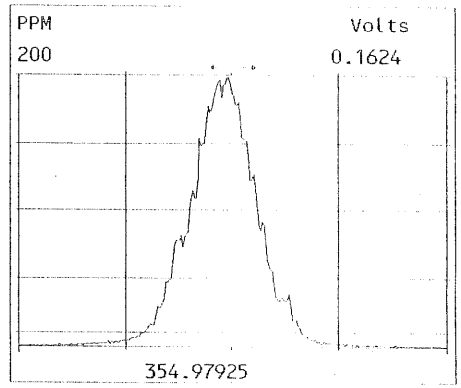


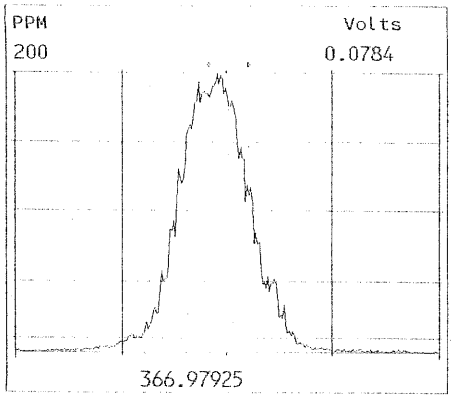
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

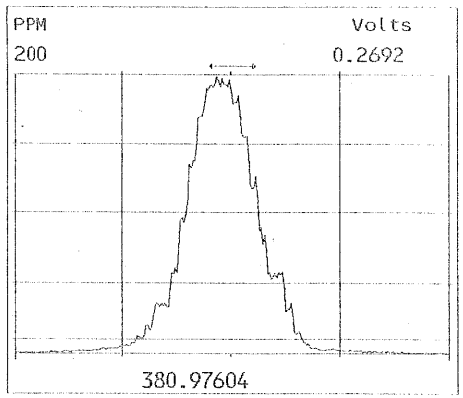


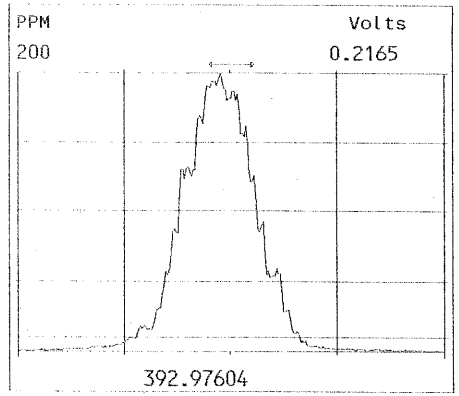


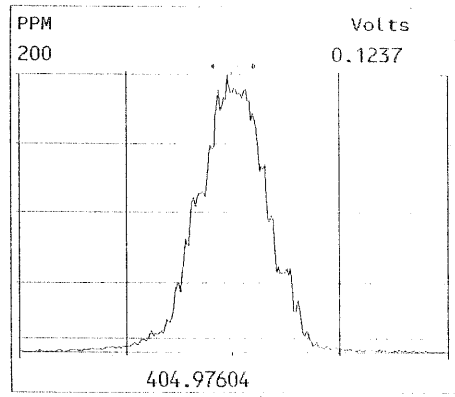


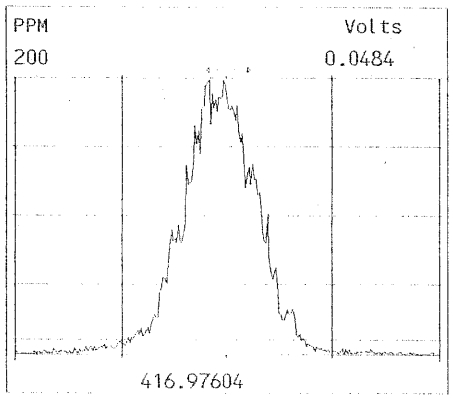


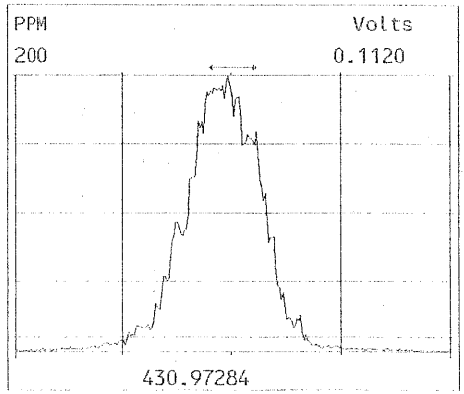


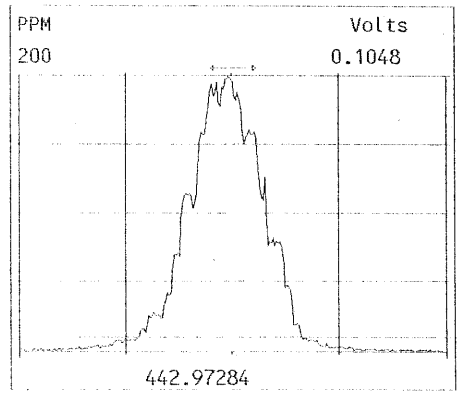






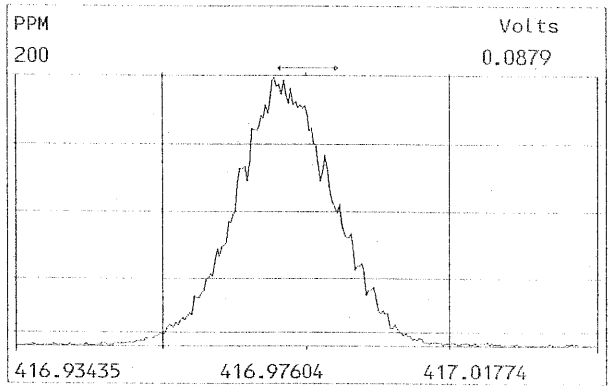


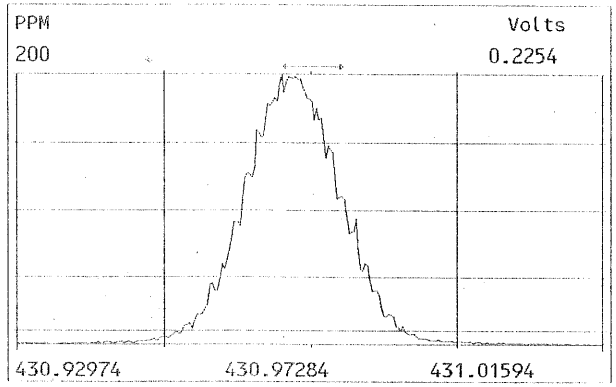


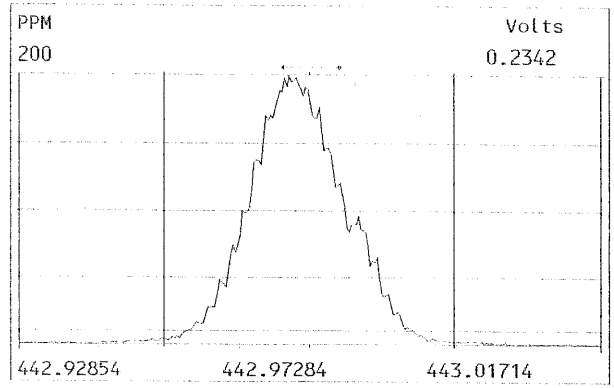


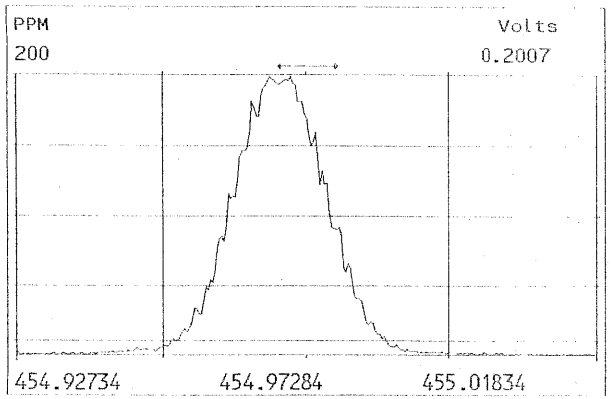
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z

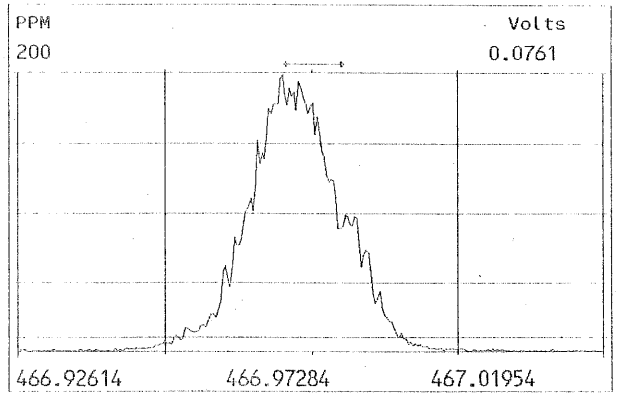
Experiment:1668PCB Function:6 Reference:PFK

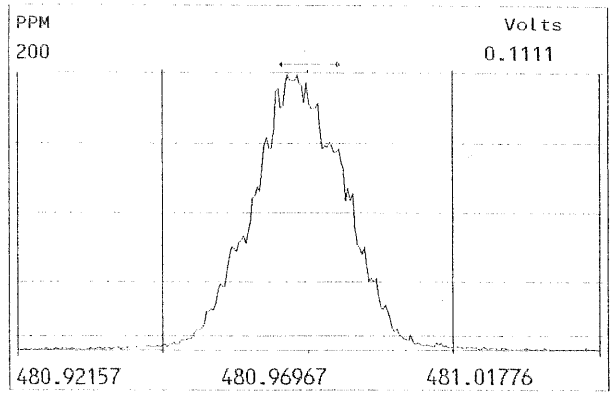


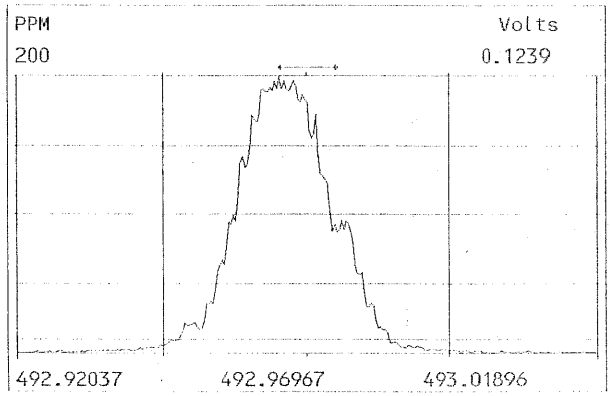


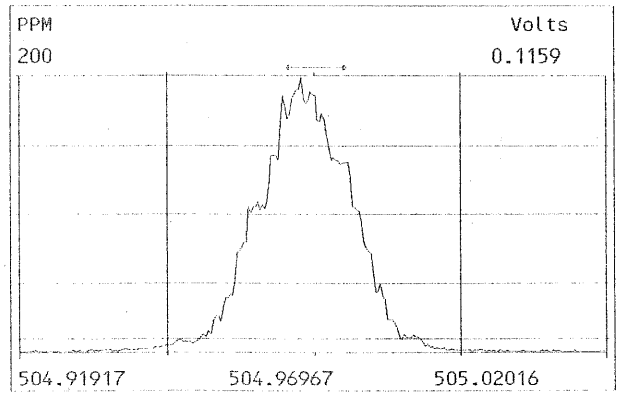


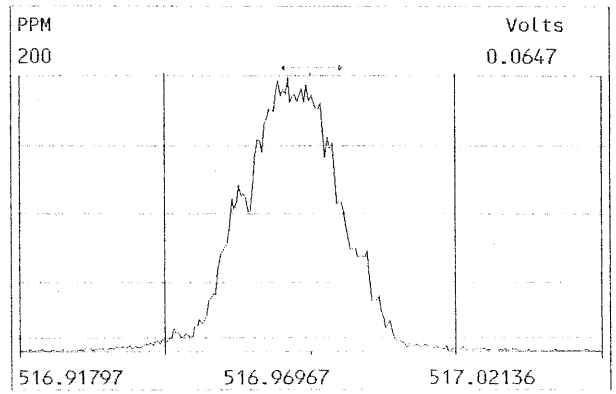




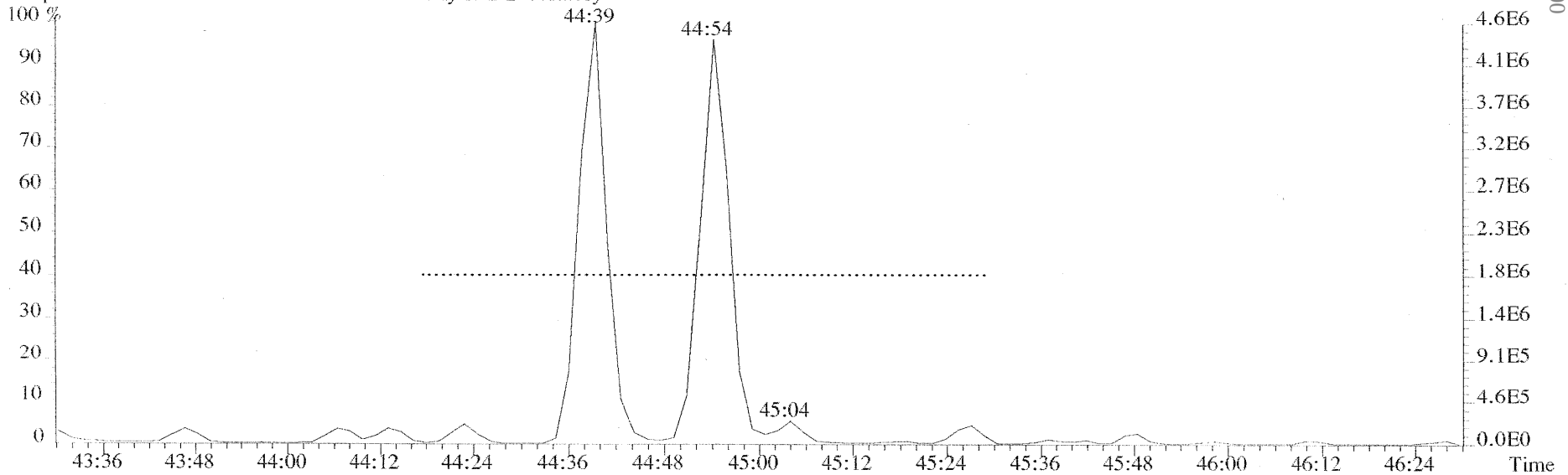




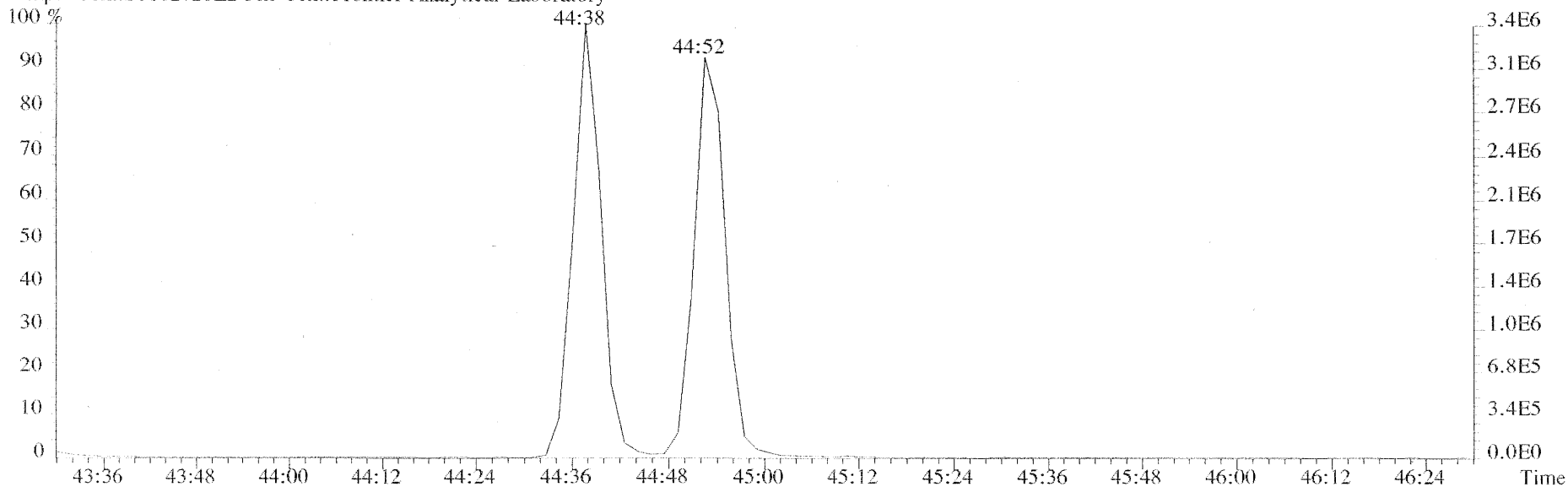




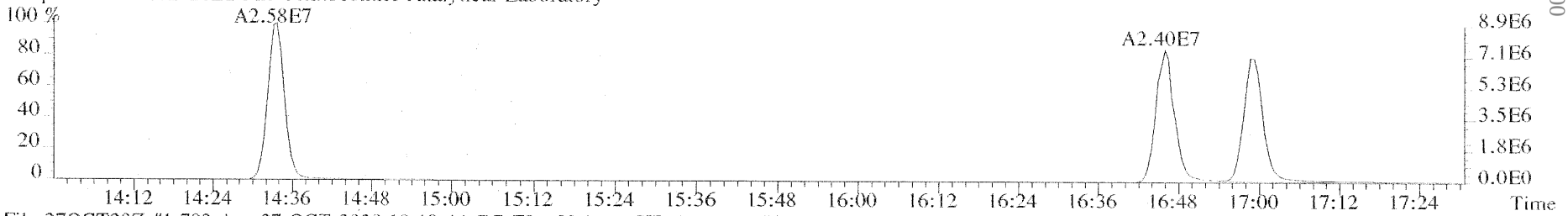
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



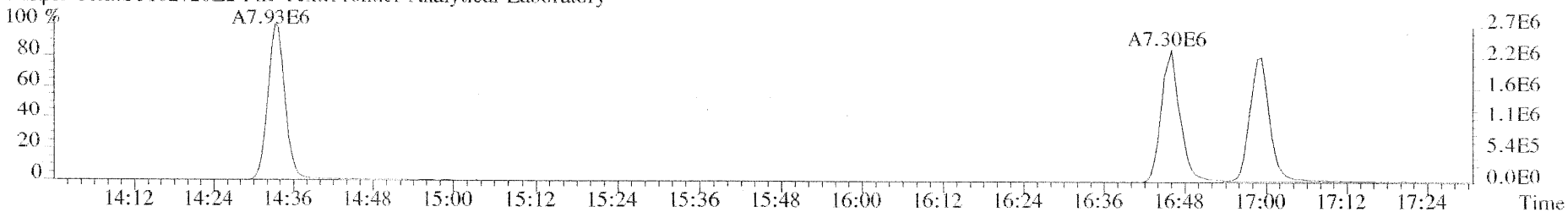
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:5 Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



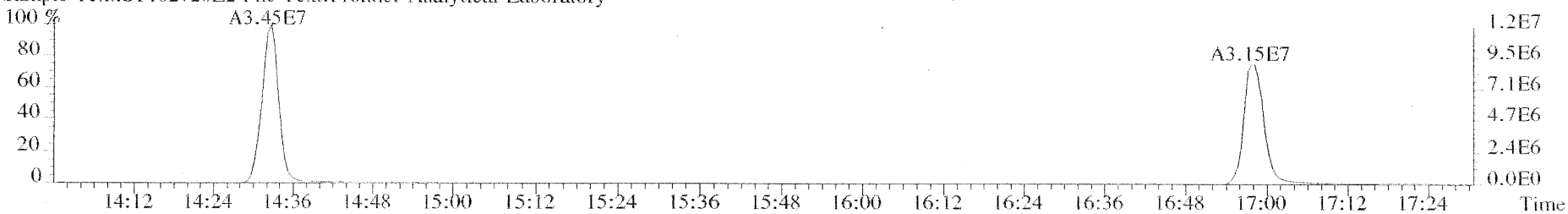
File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



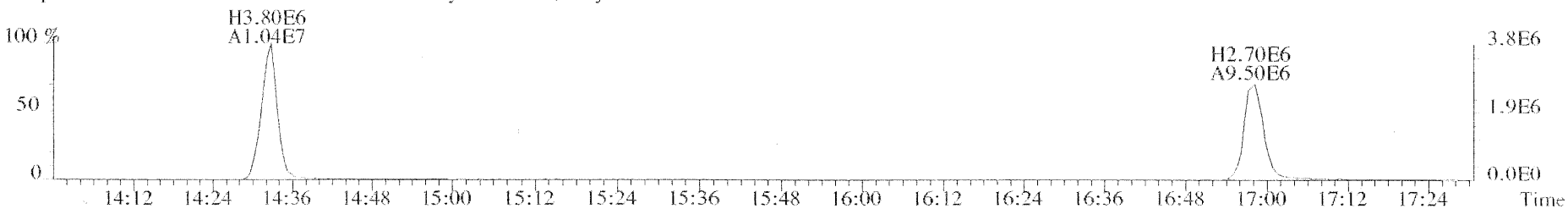
File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



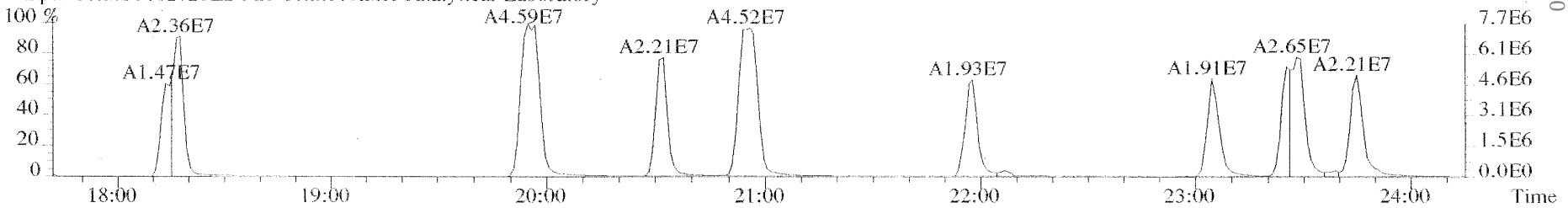
File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



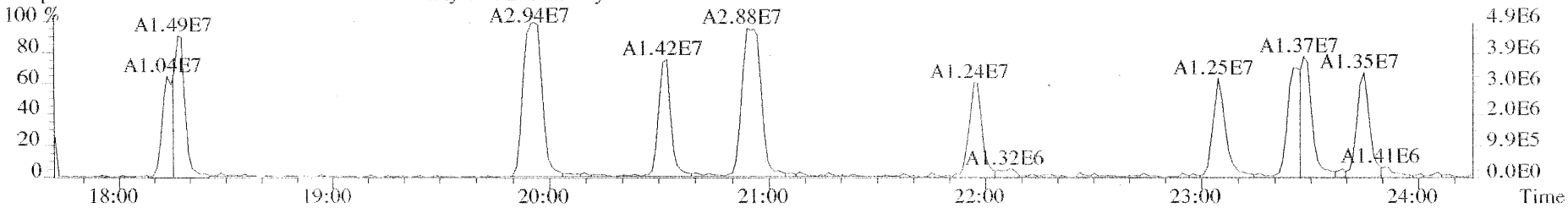
File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



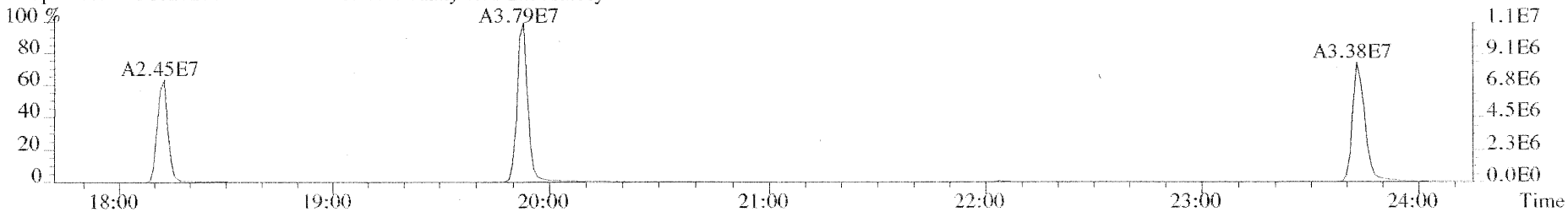
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



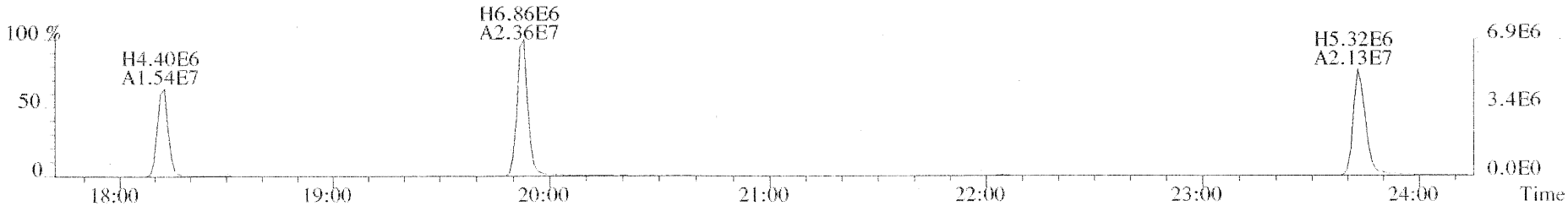
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



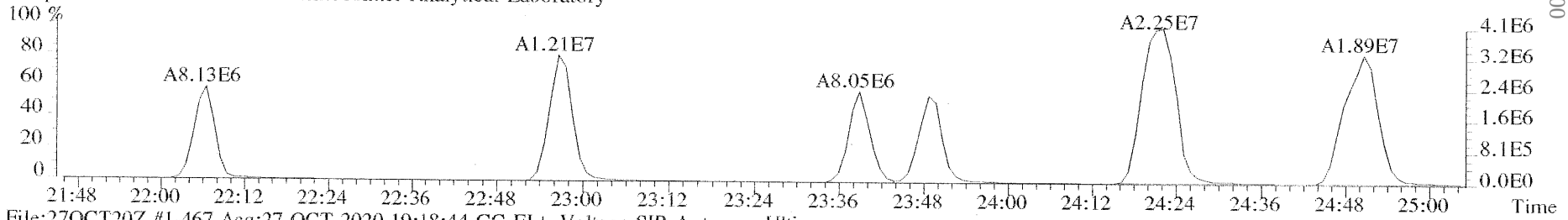
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



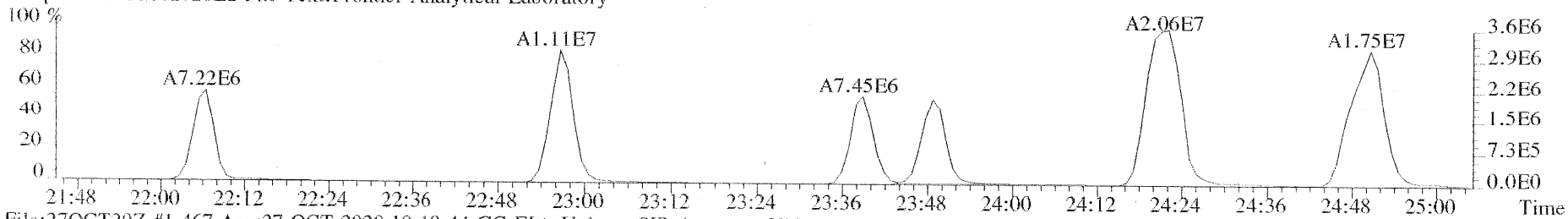
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



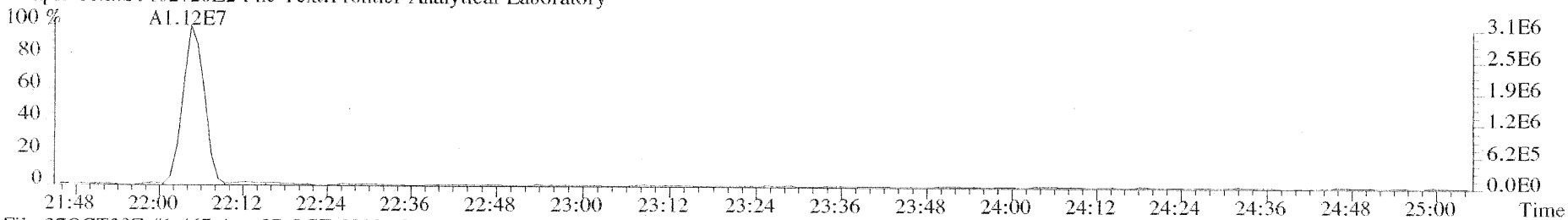
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



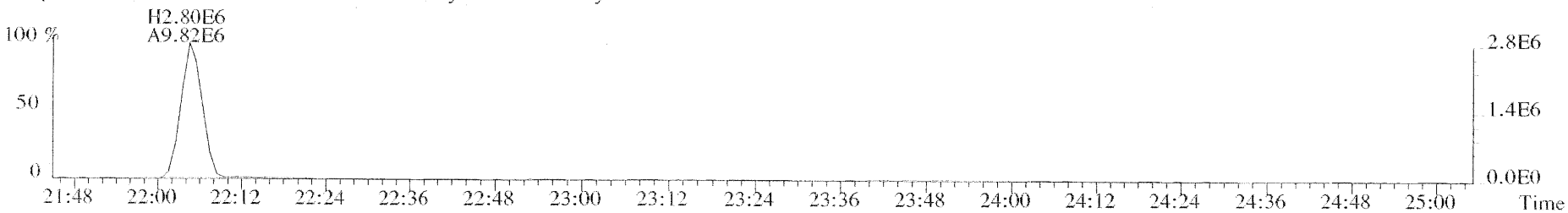
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



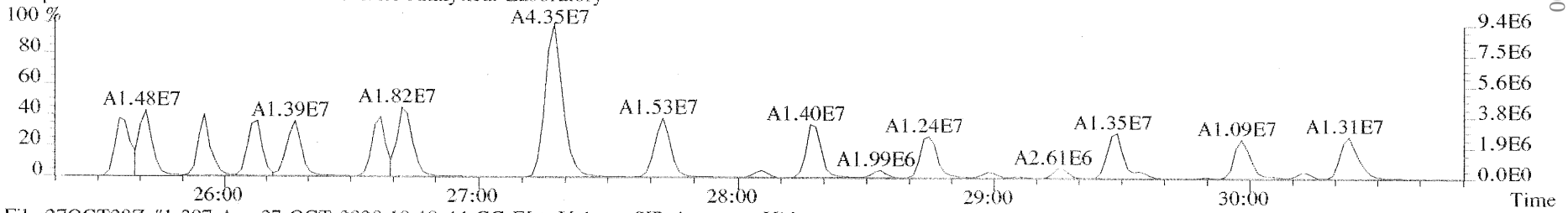
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



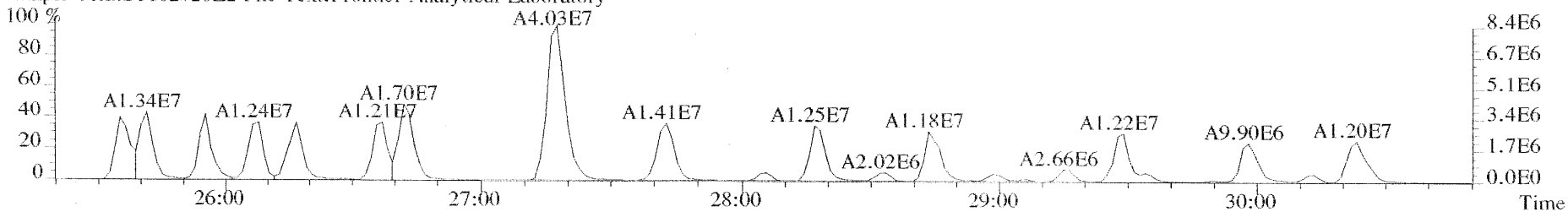
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



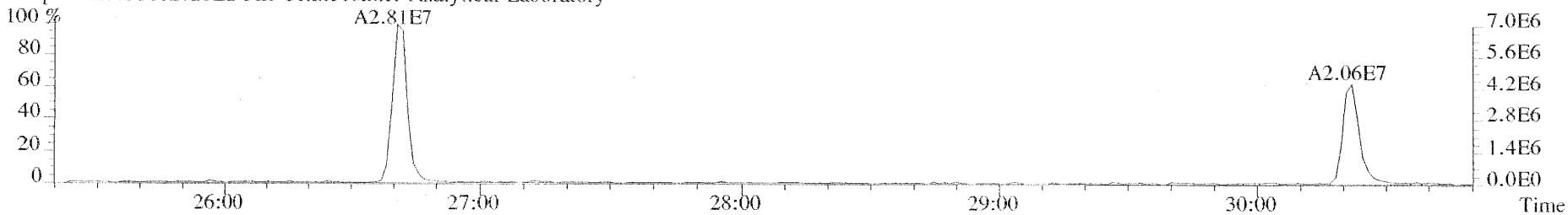
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



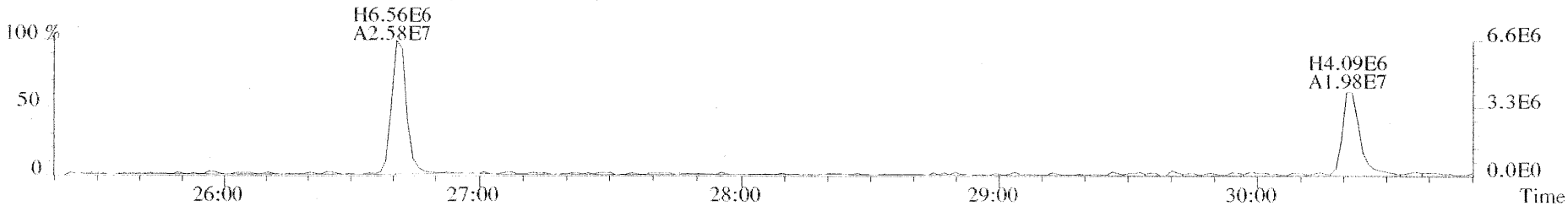
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



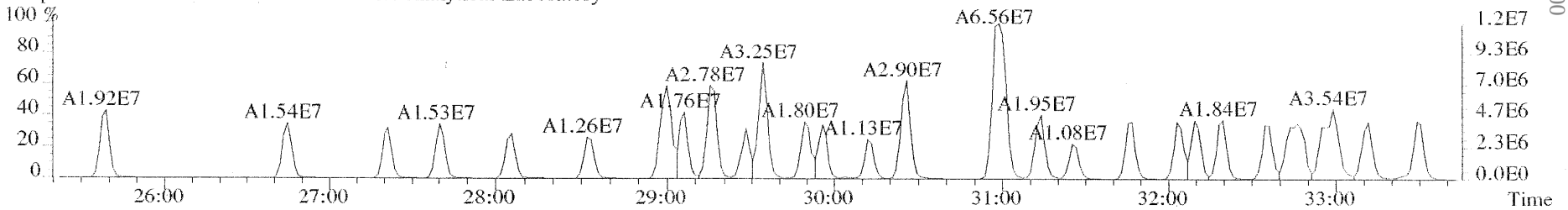
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



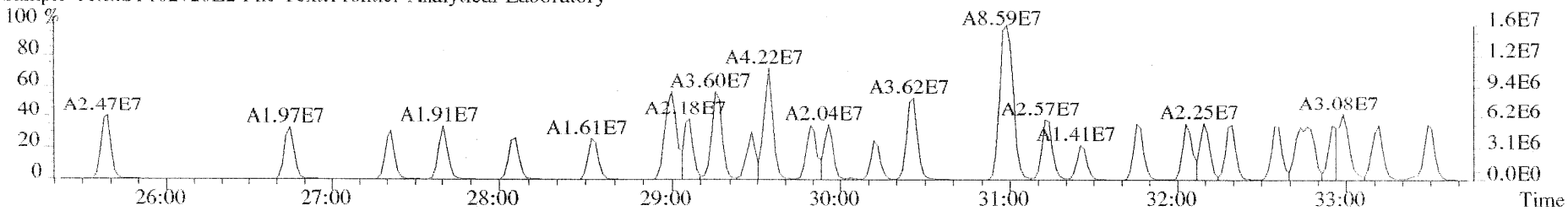
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



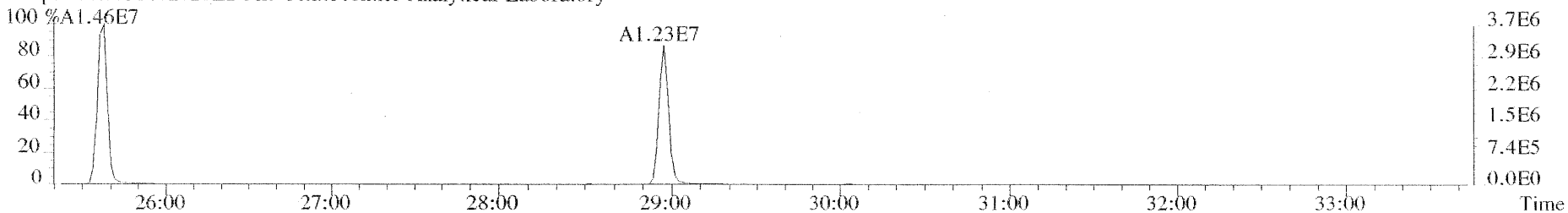
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



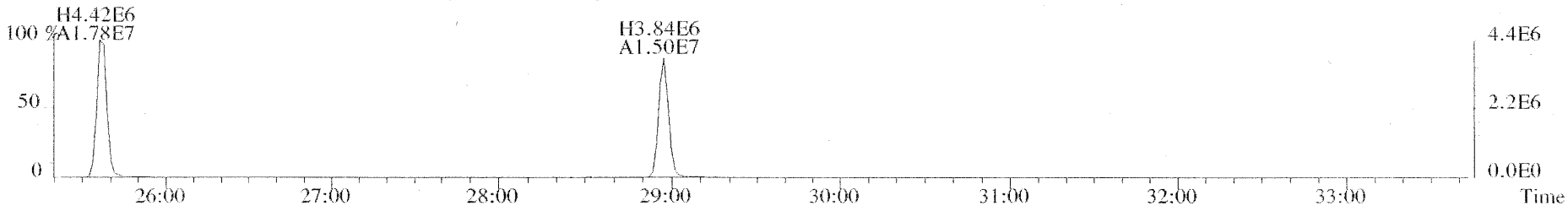
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



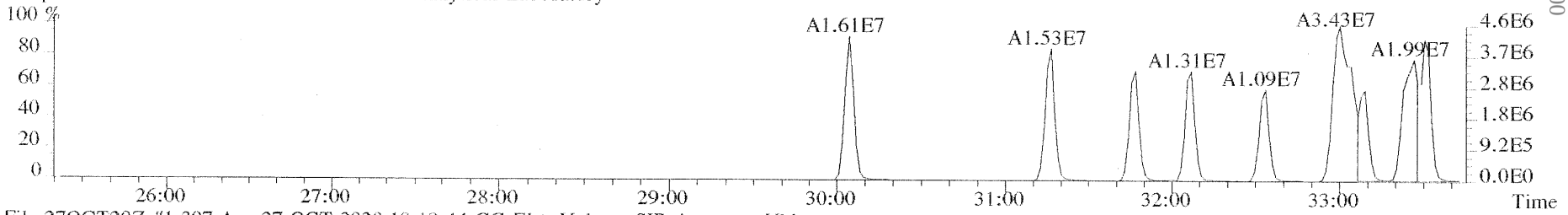
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



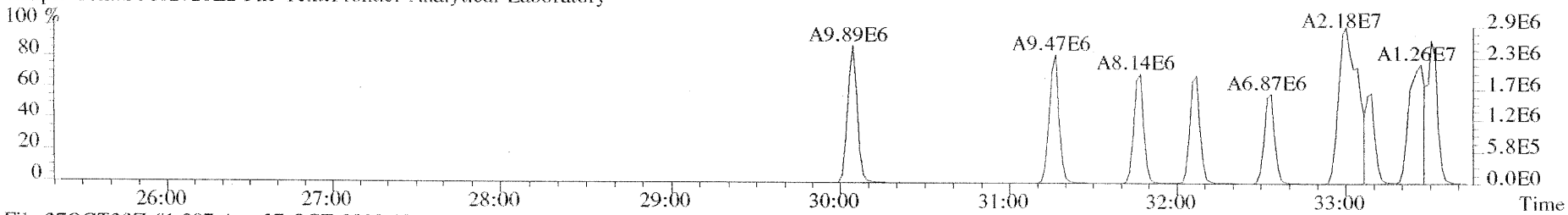
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



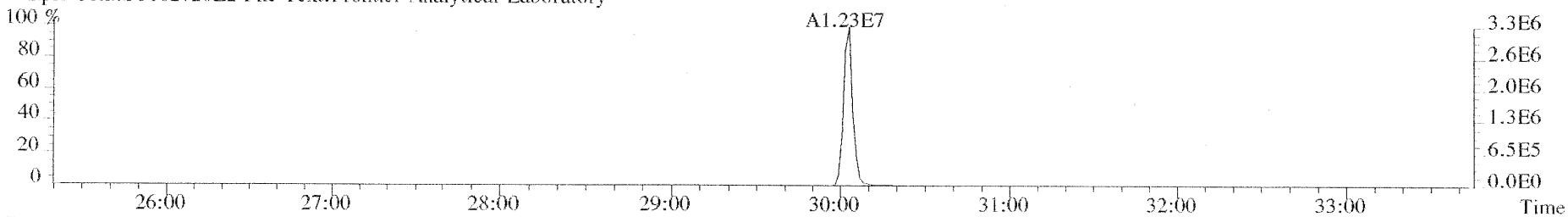
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



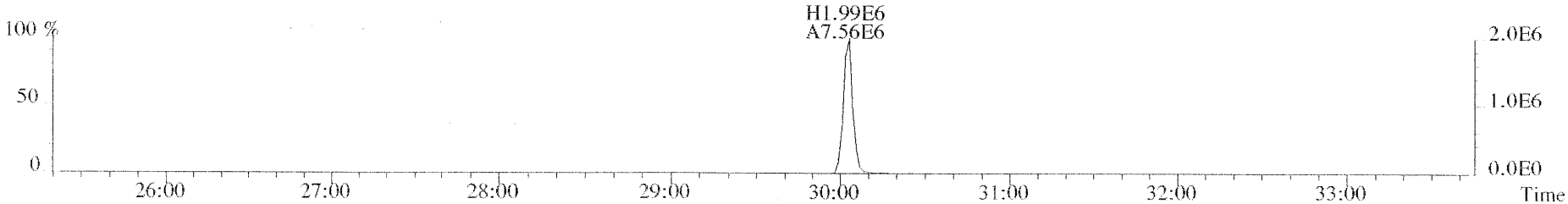
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



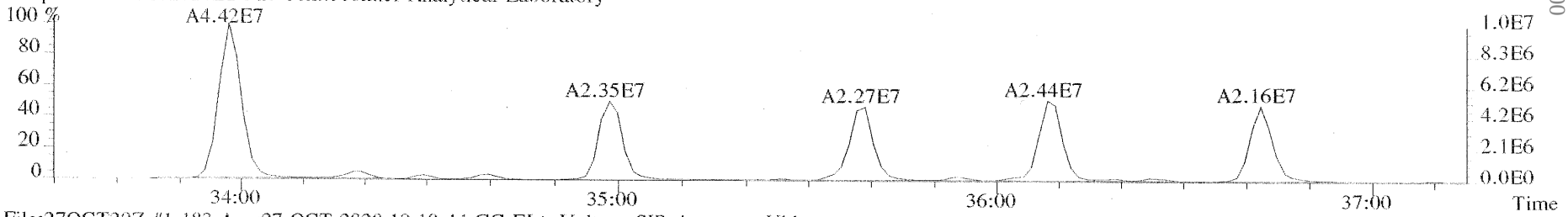
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



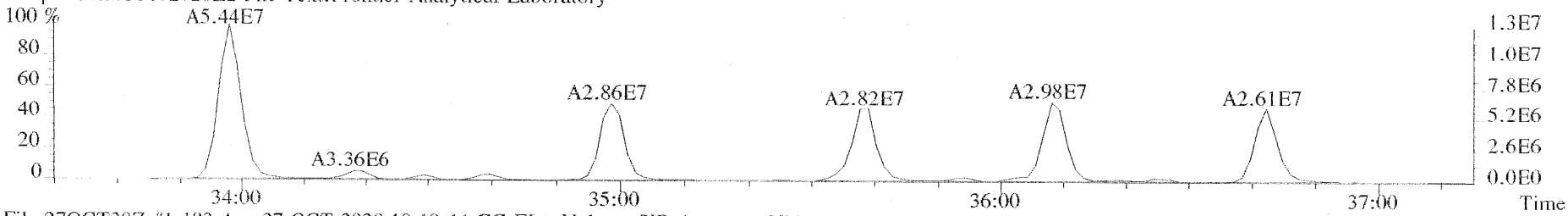
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



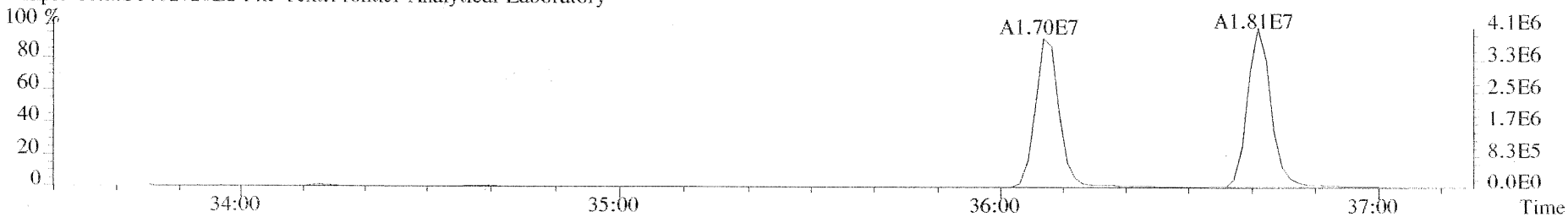
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



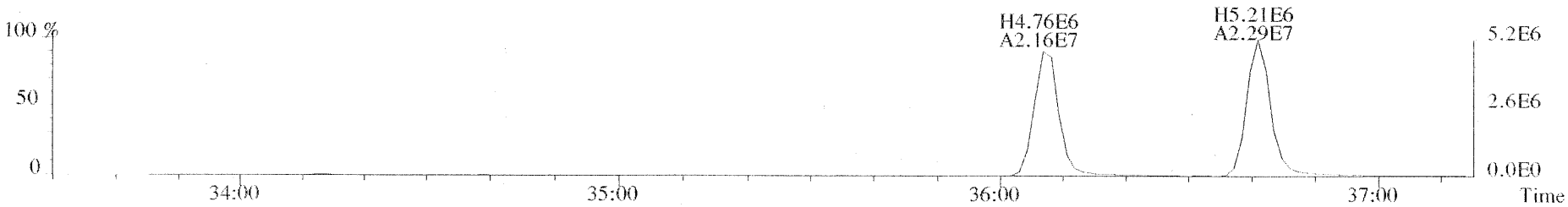
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



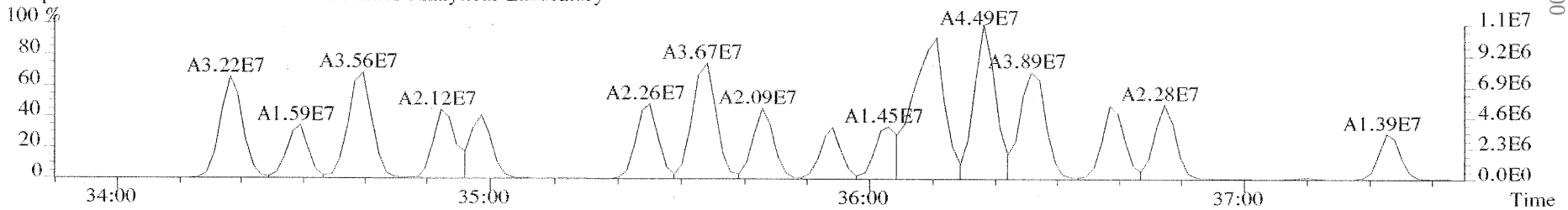
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



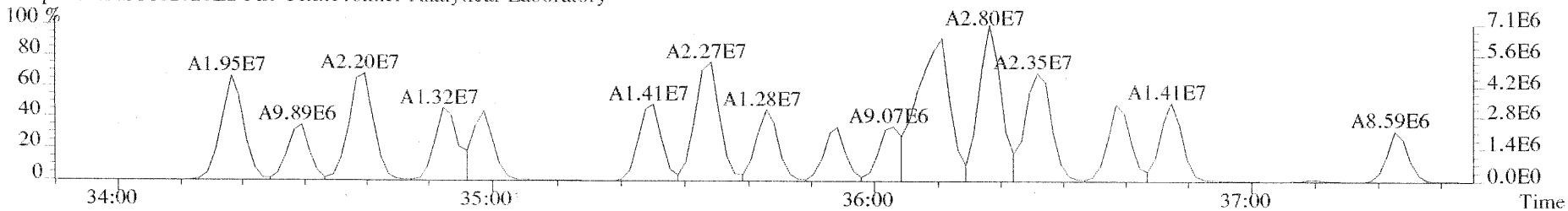
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



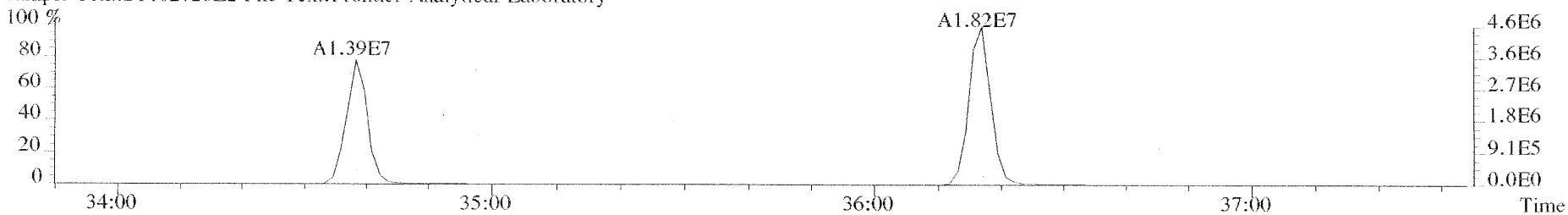
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



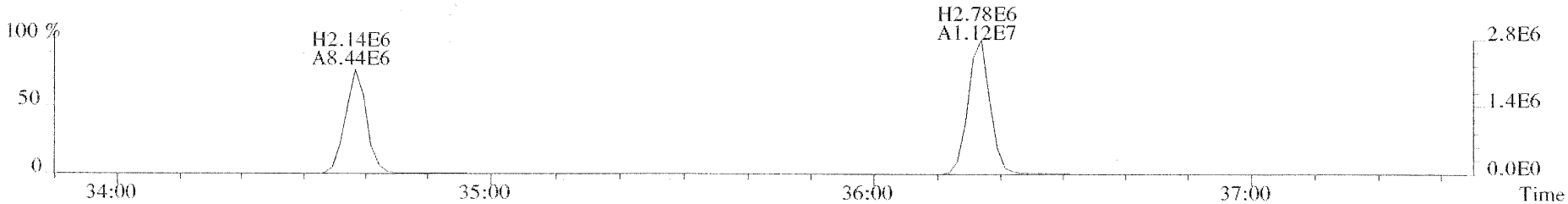
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



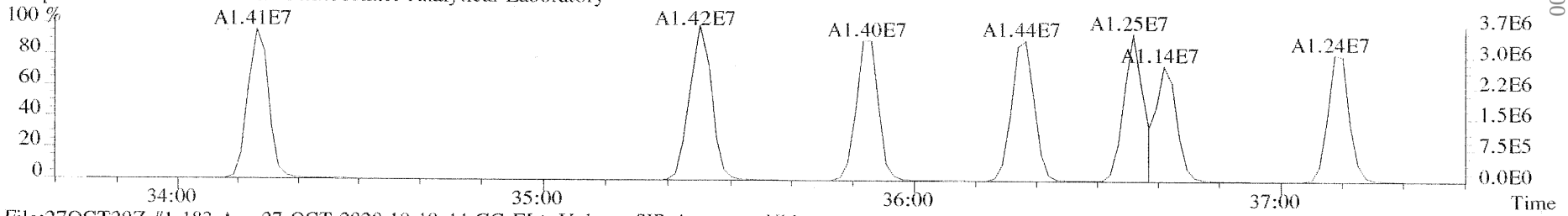
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



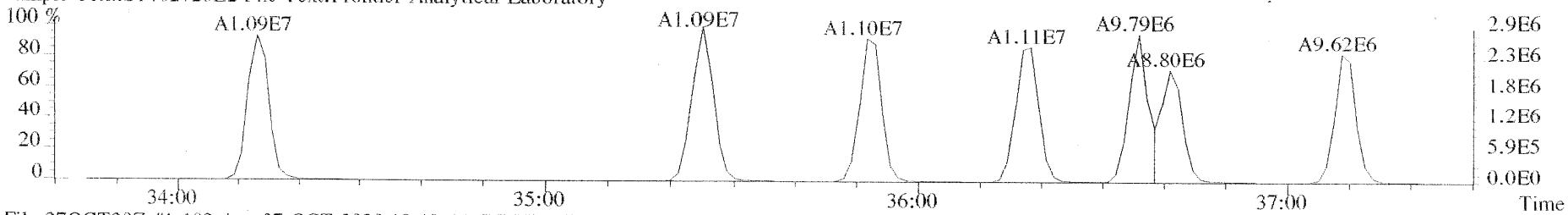
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



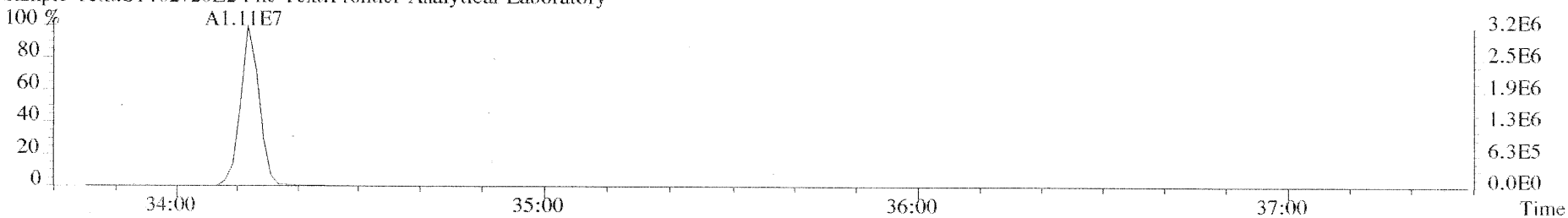
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



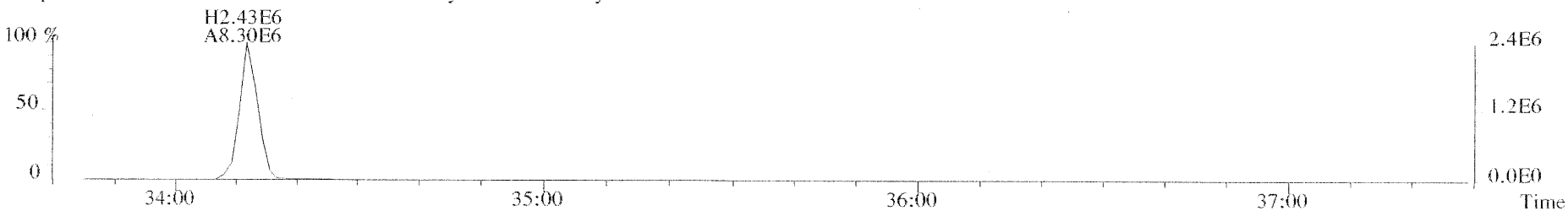
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



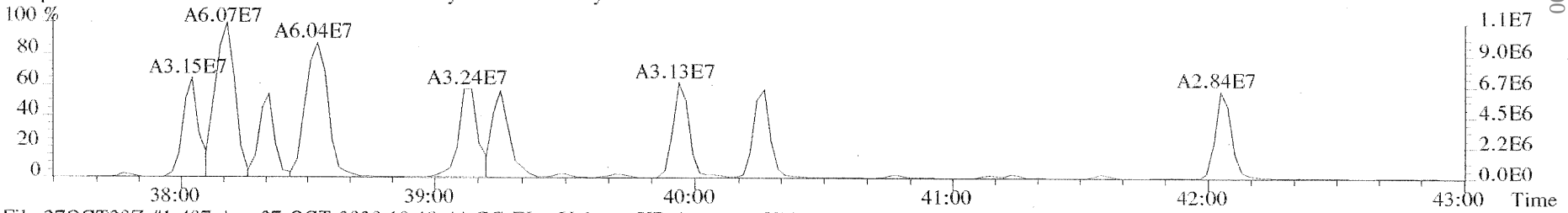
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



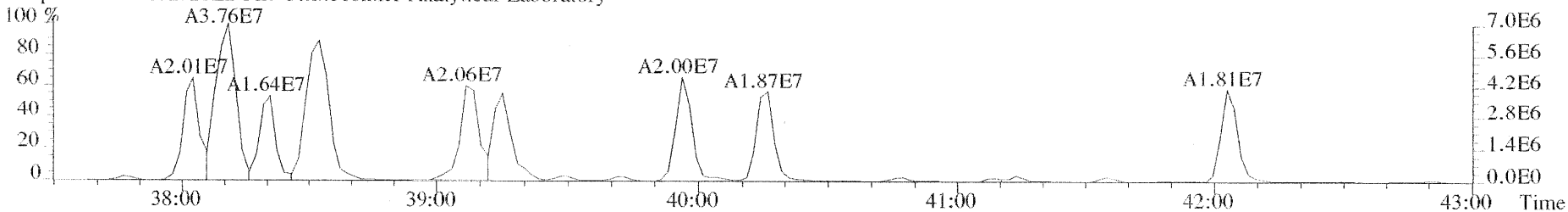
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



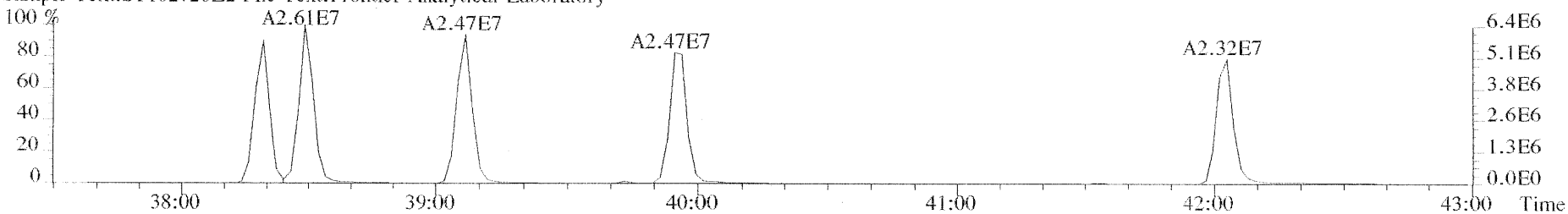
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



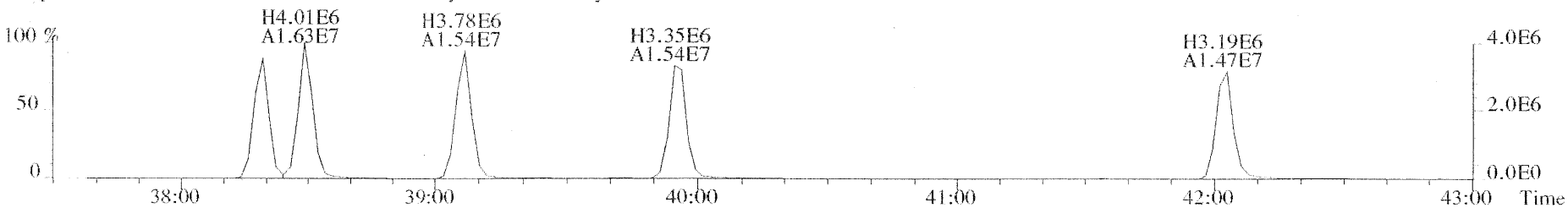
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



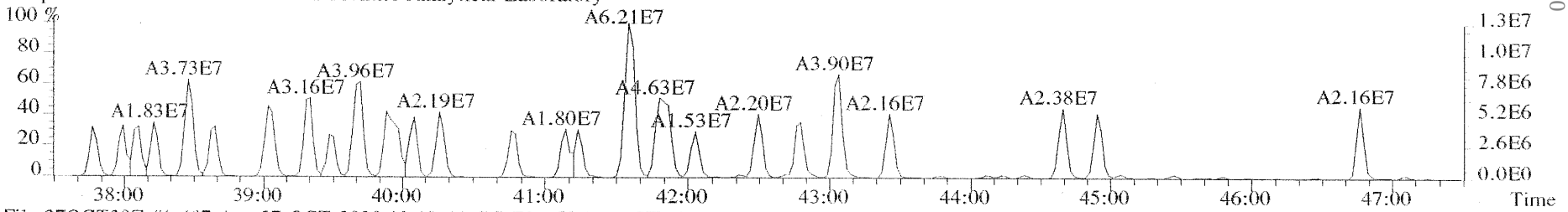
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



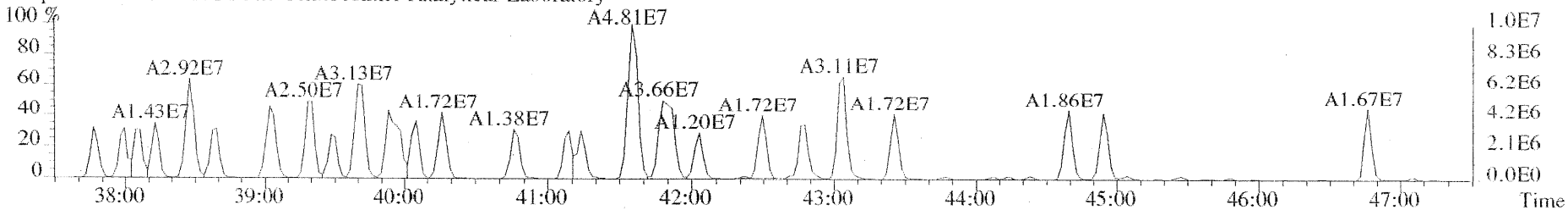
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



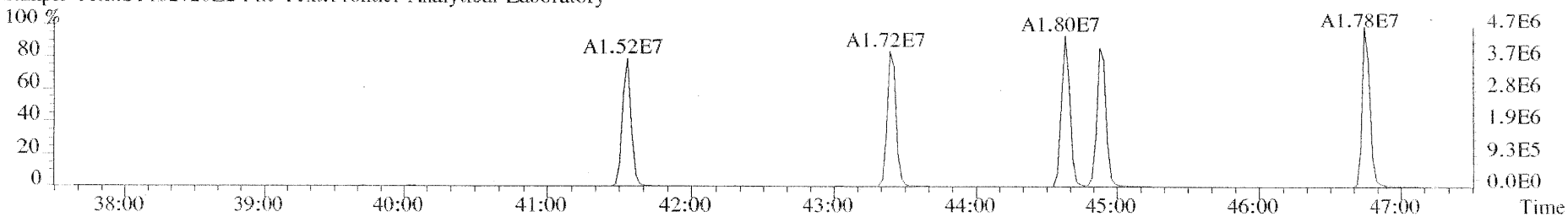
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



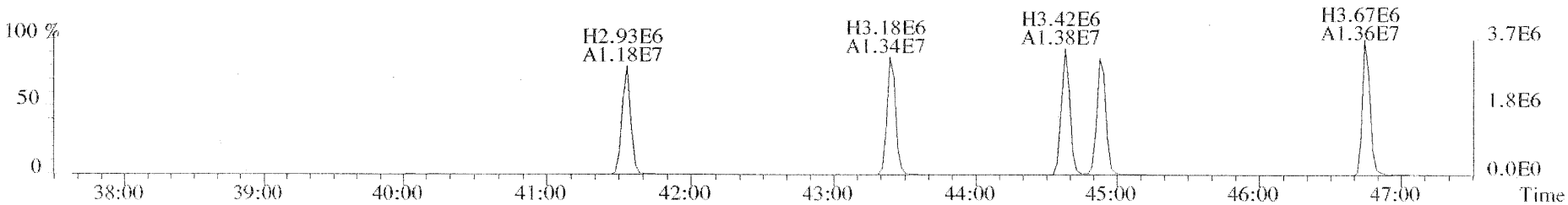
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



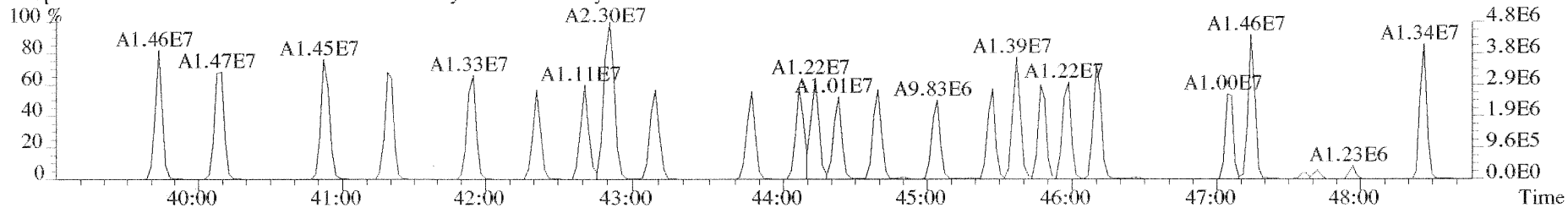
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



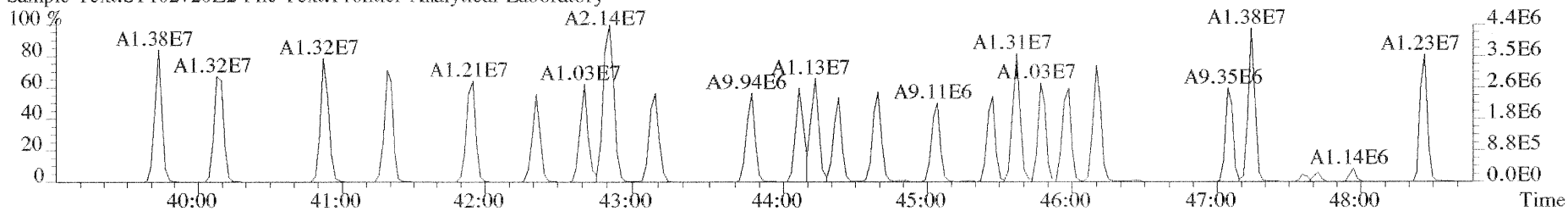
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



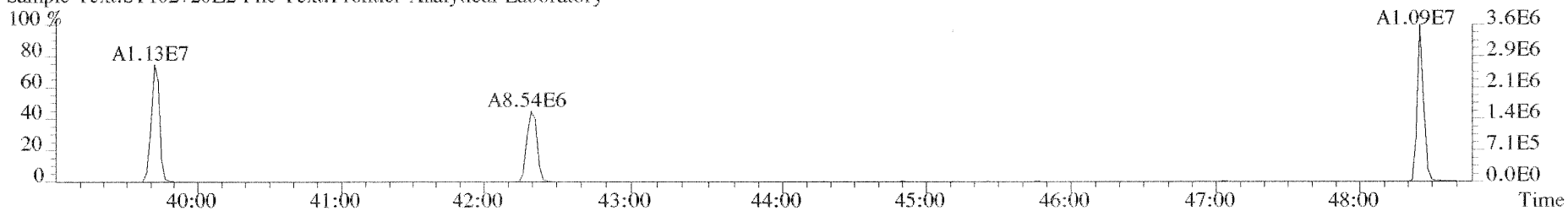
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



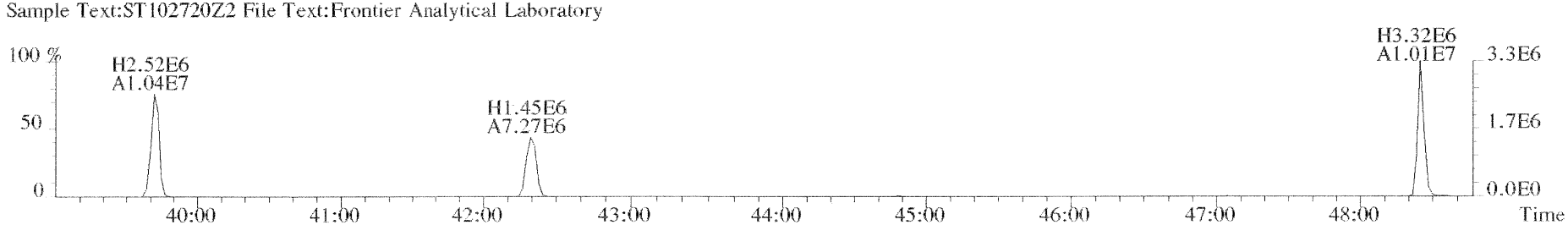
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



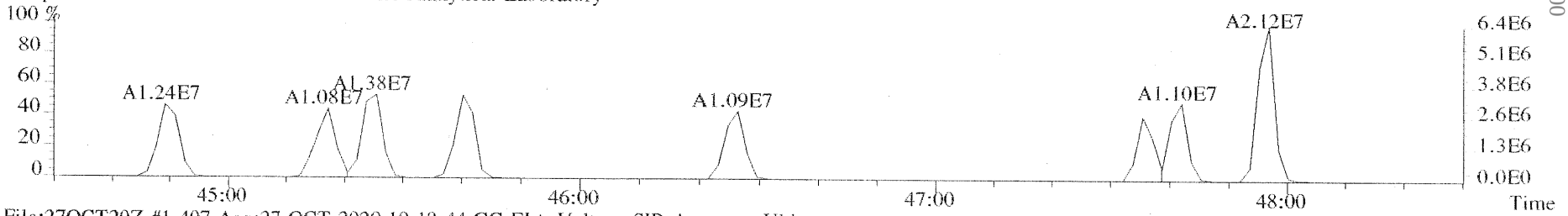
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



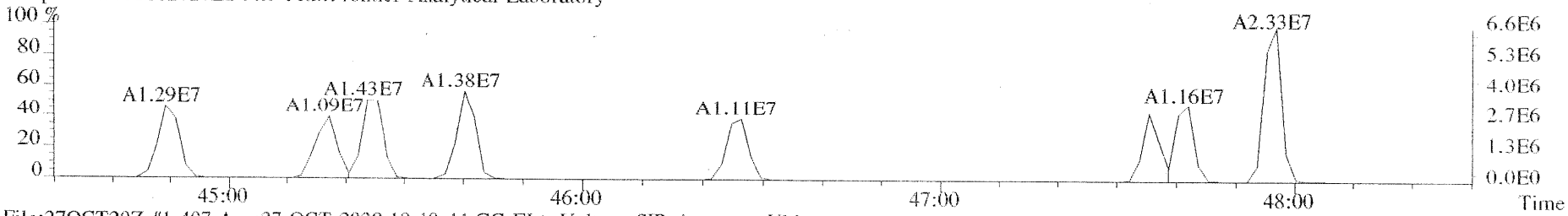
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



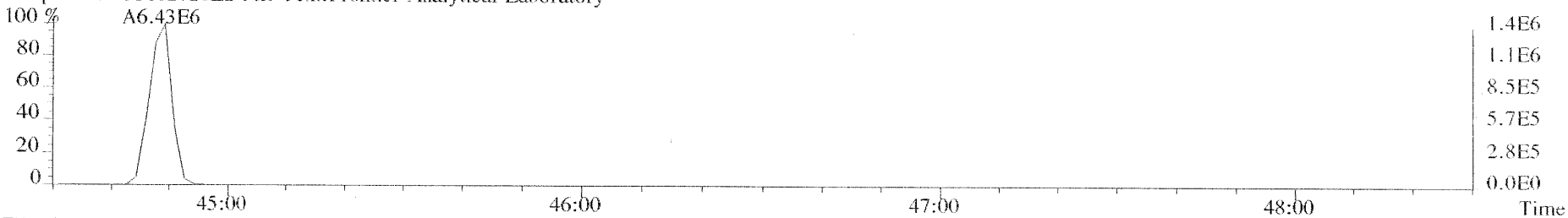
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



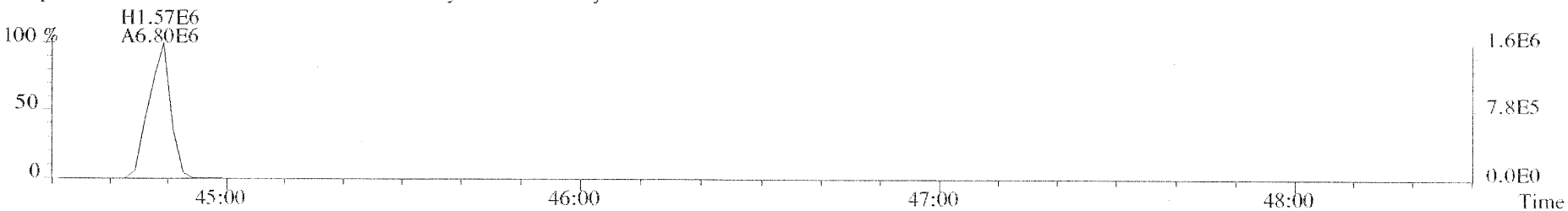
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



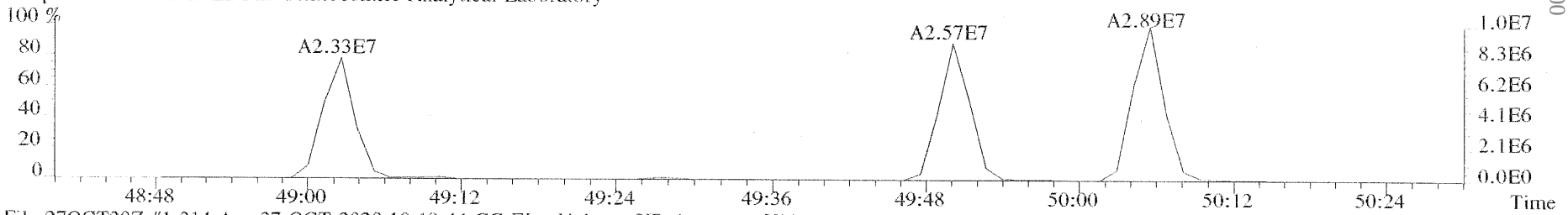
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



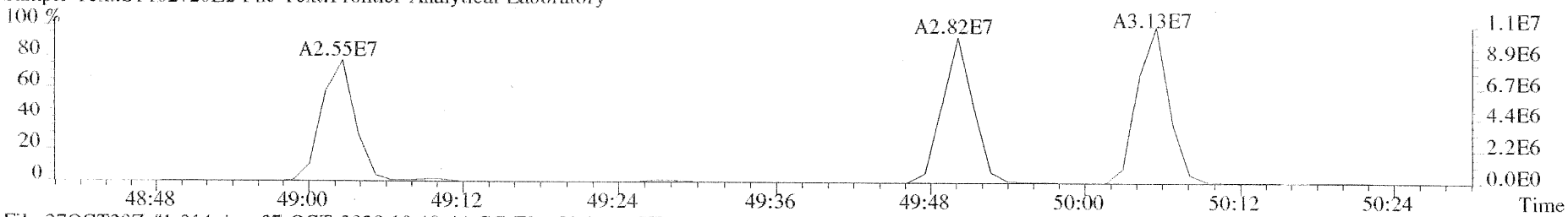
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



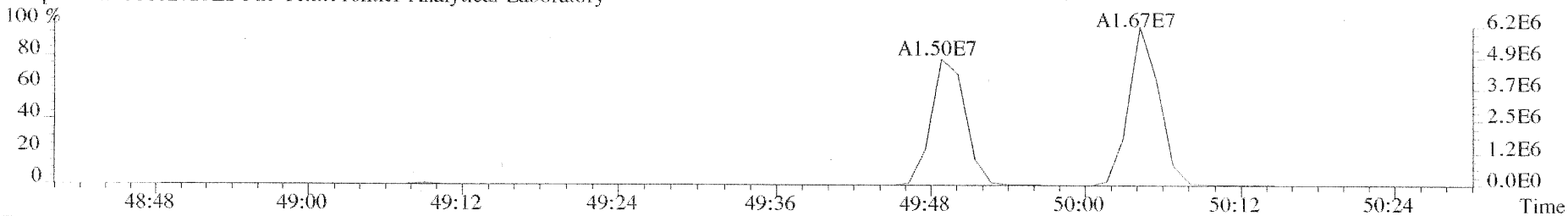
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



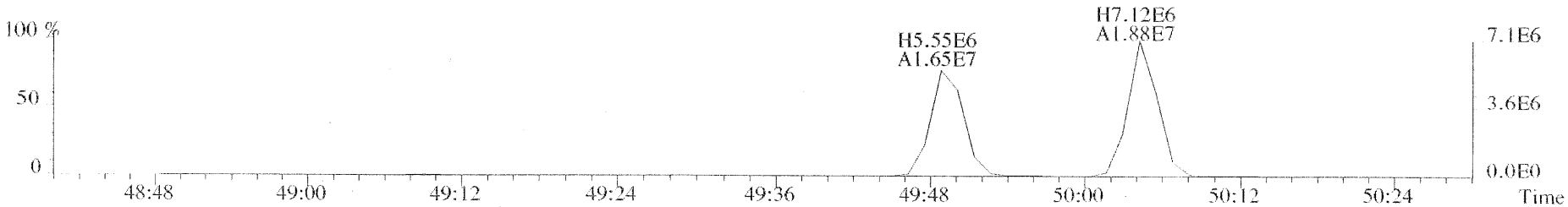
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



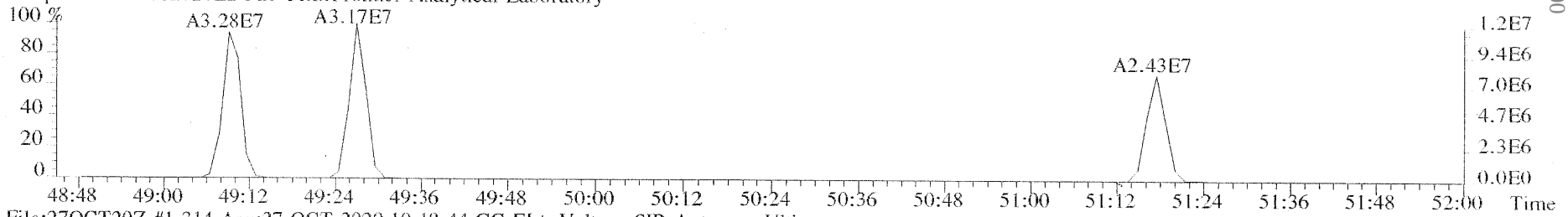
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



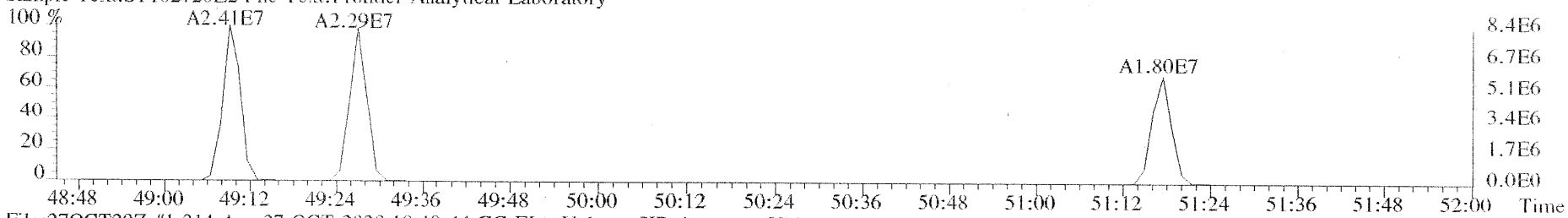
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



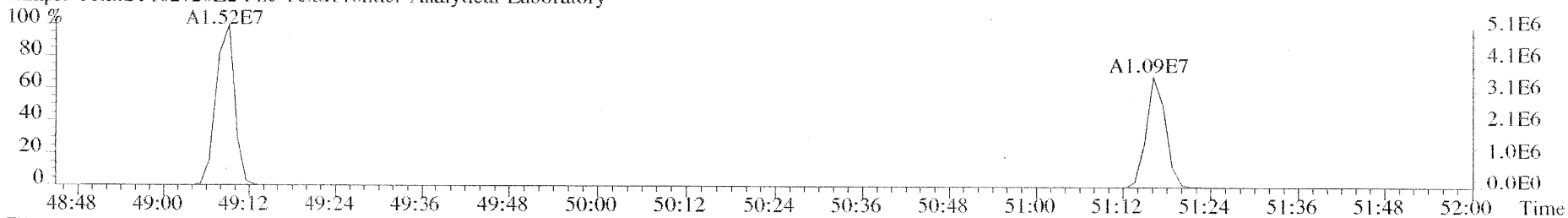
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



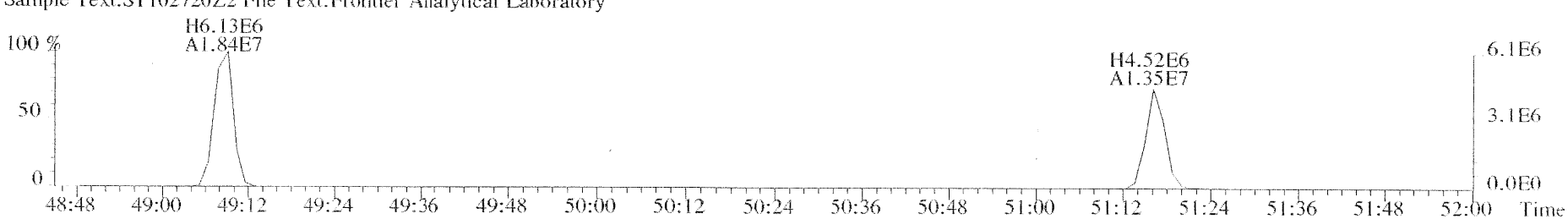
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



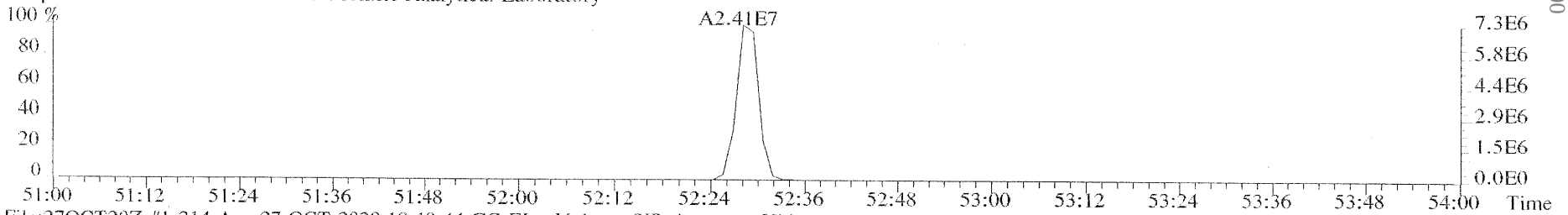
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



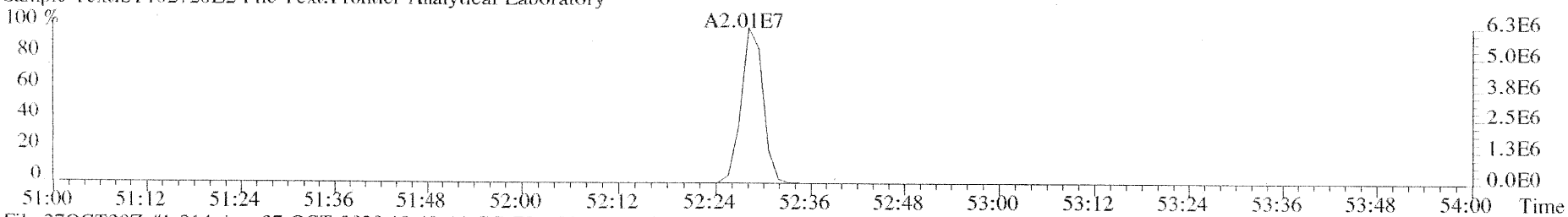
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



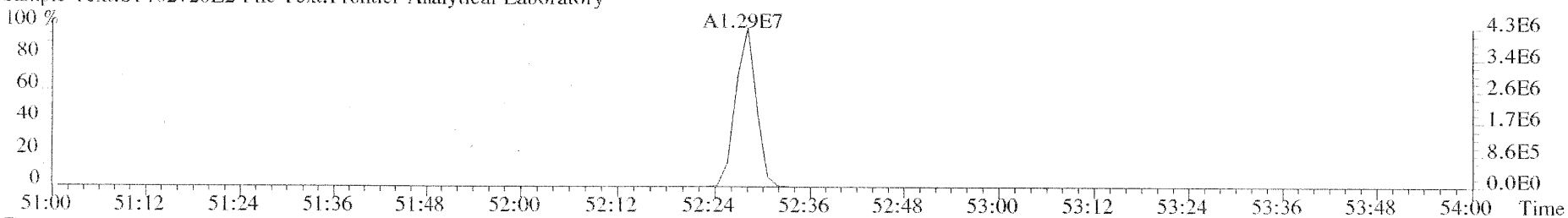
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



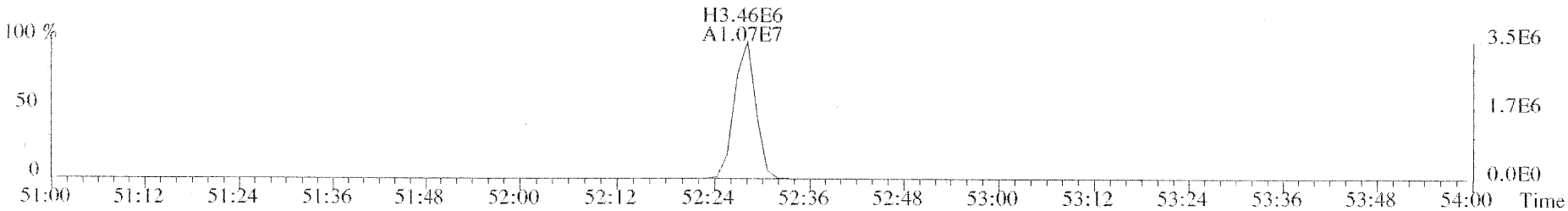
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



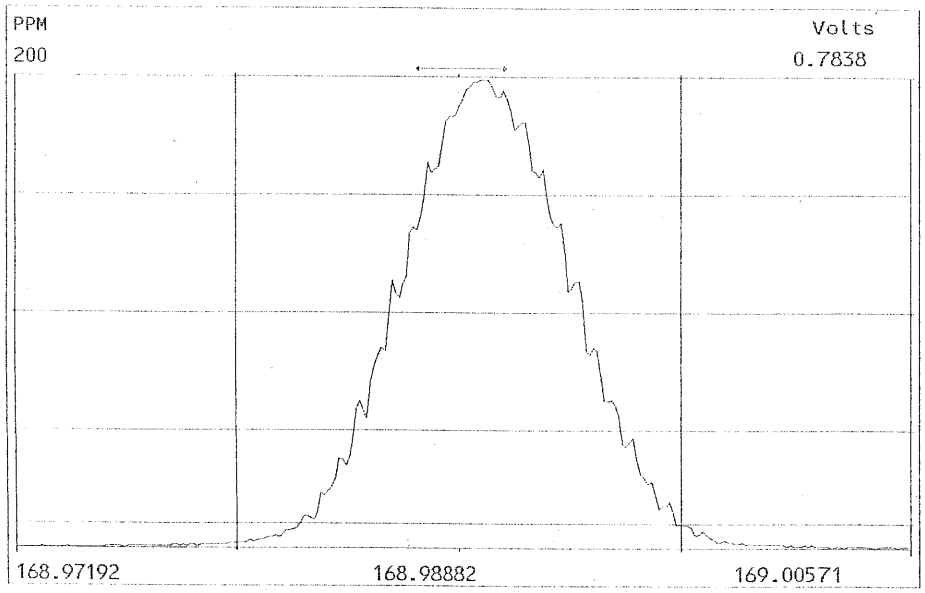
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

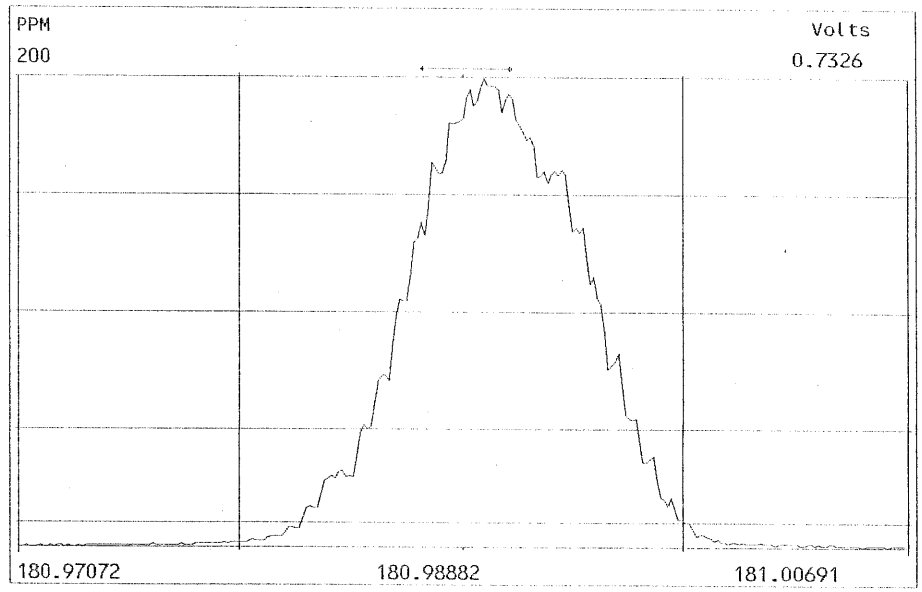


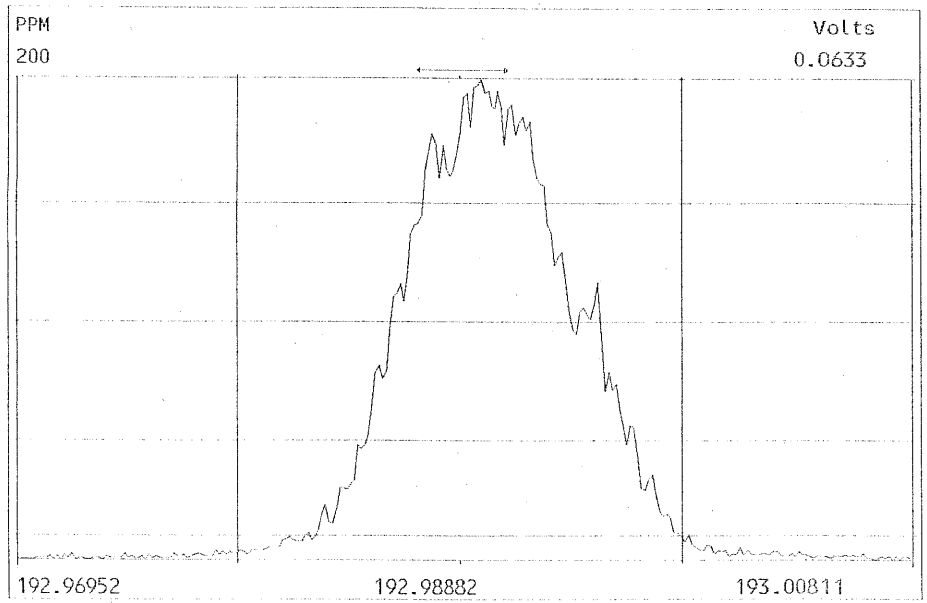
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

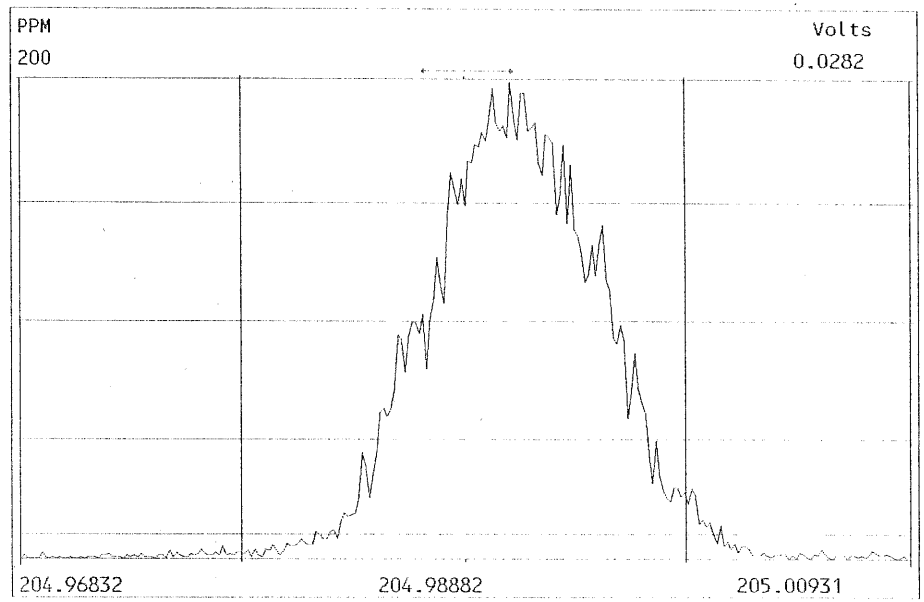


Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

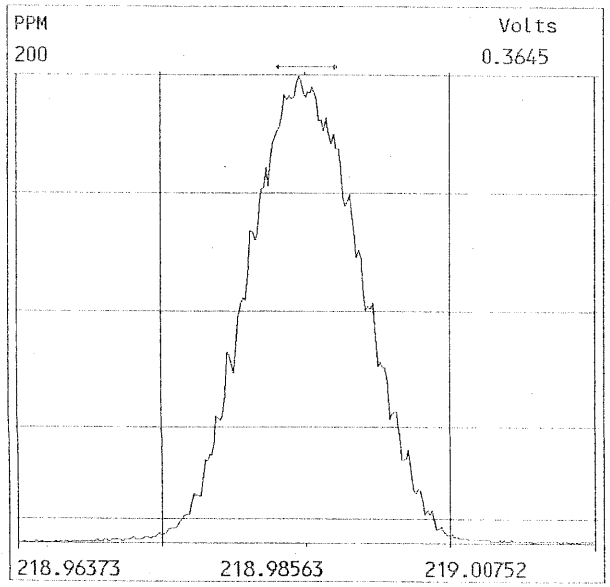


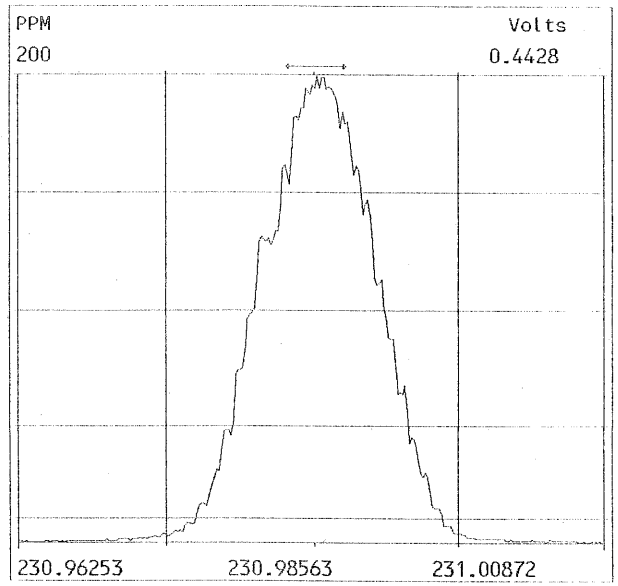


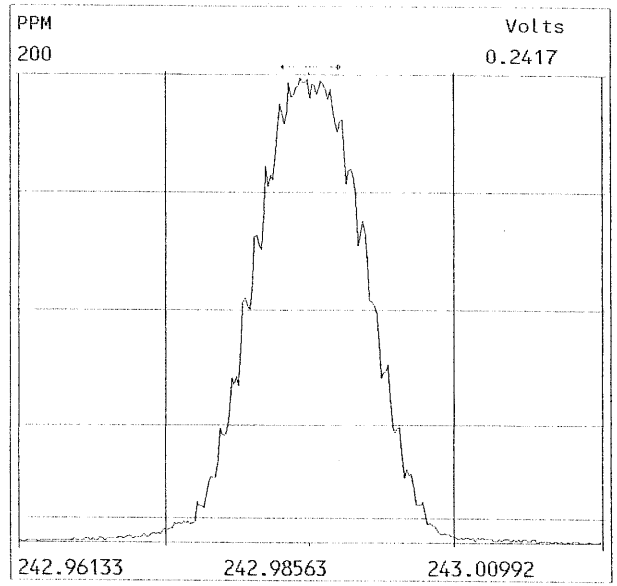


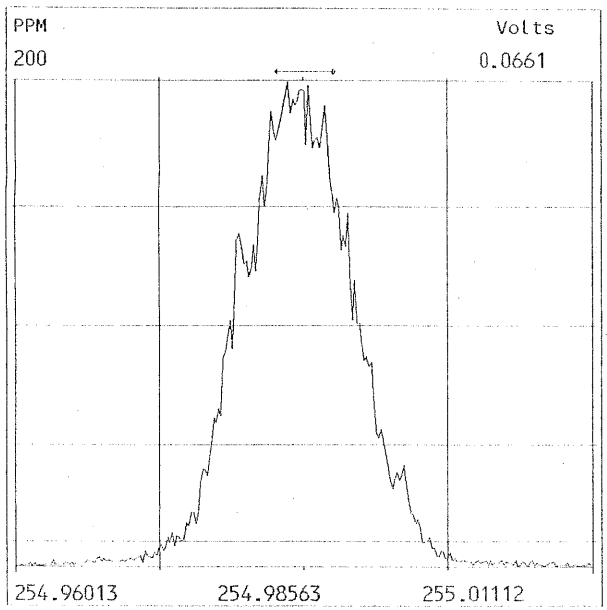


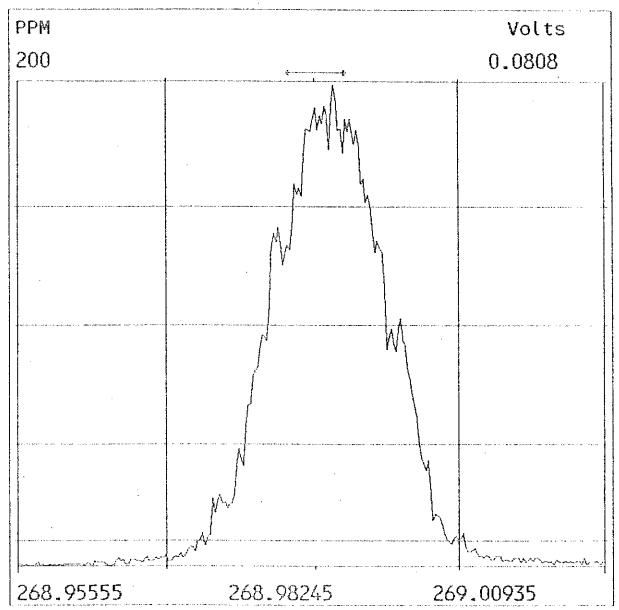
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

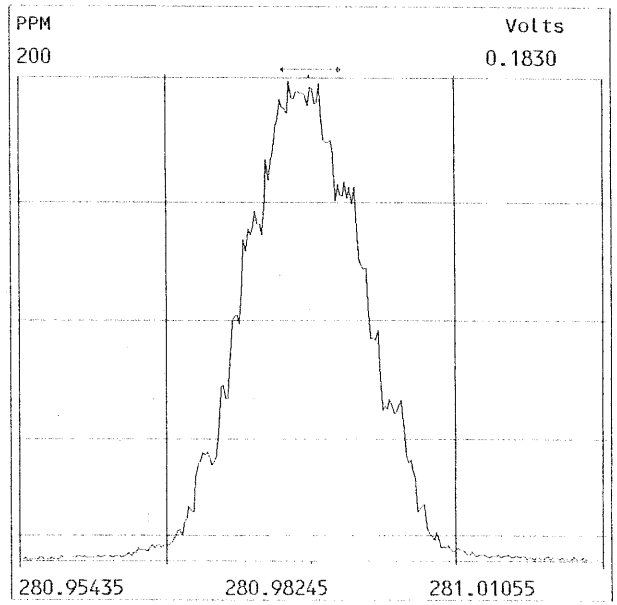




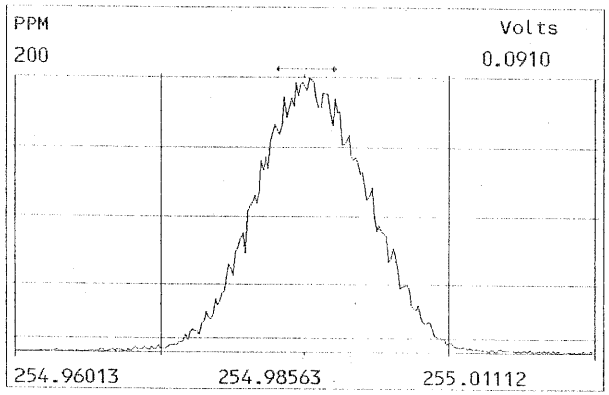


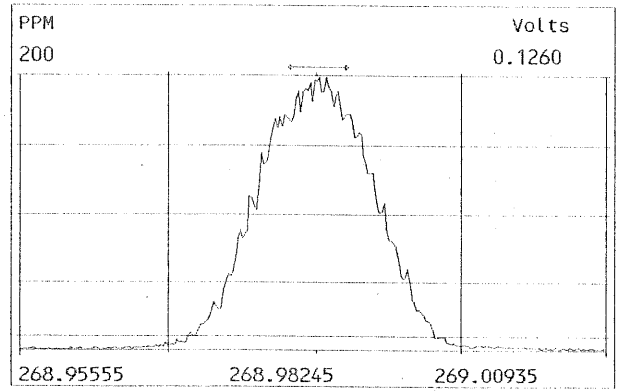


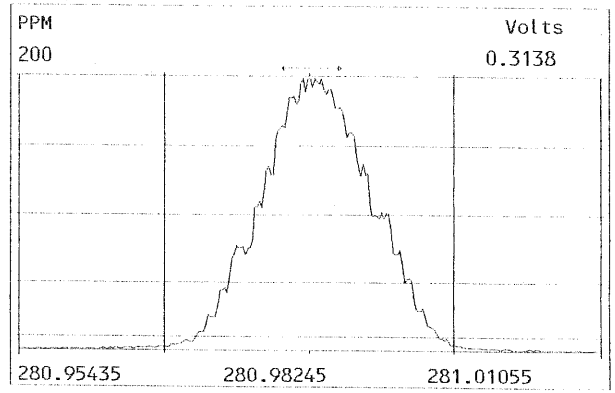


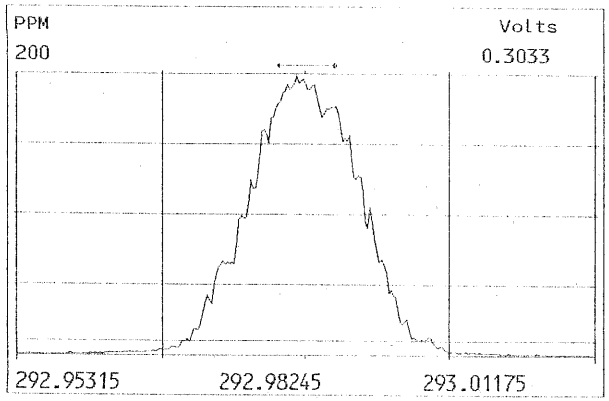


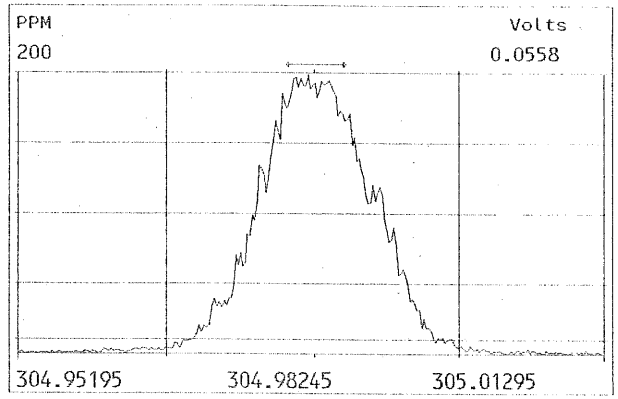
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

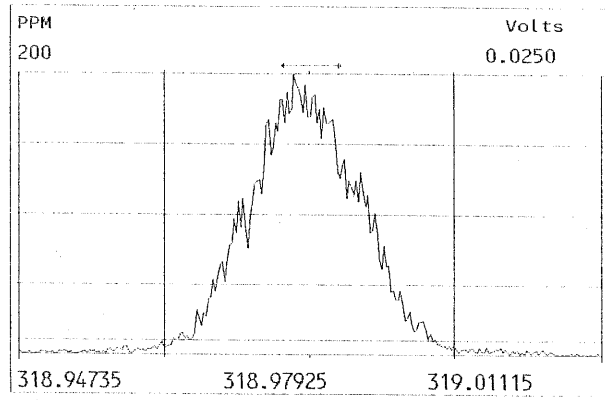


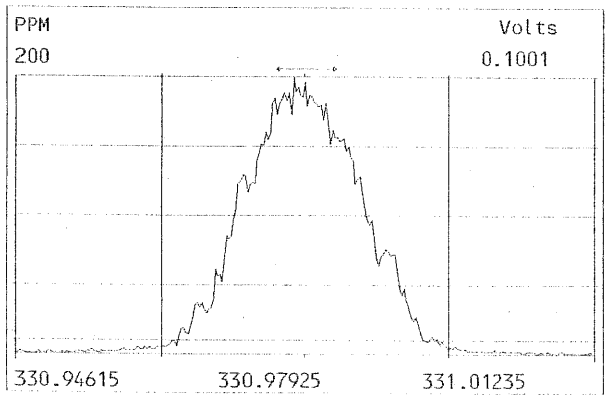


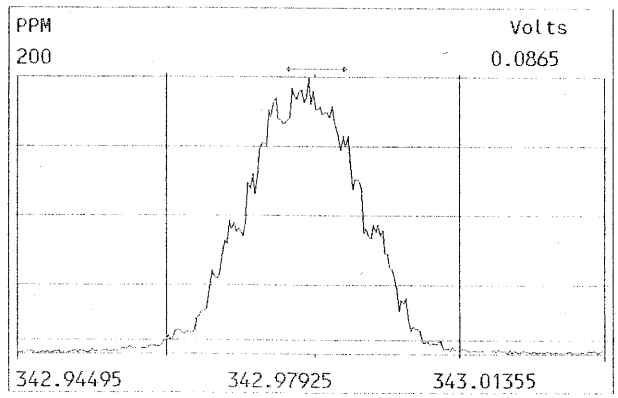




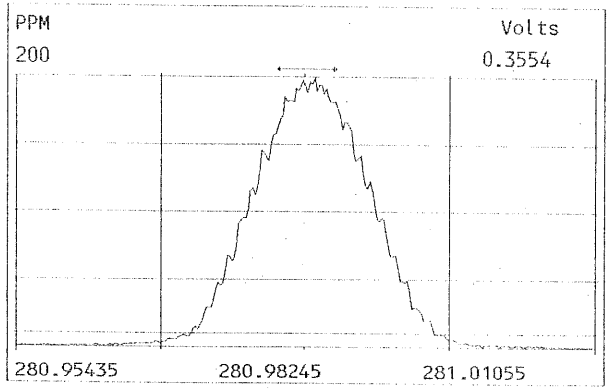


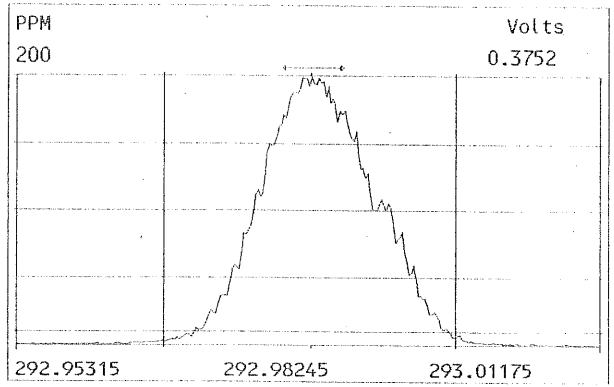


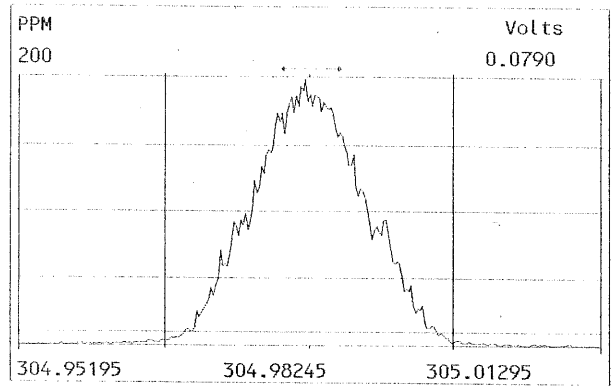


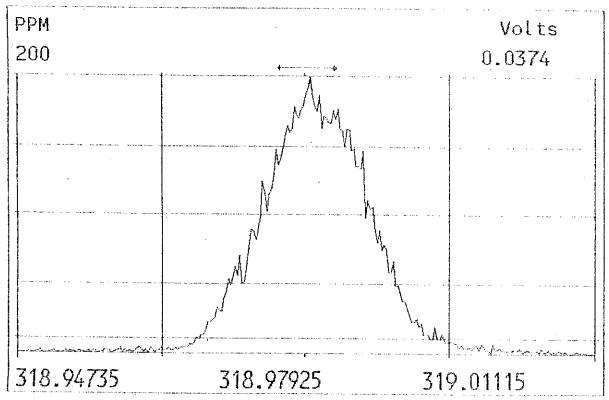


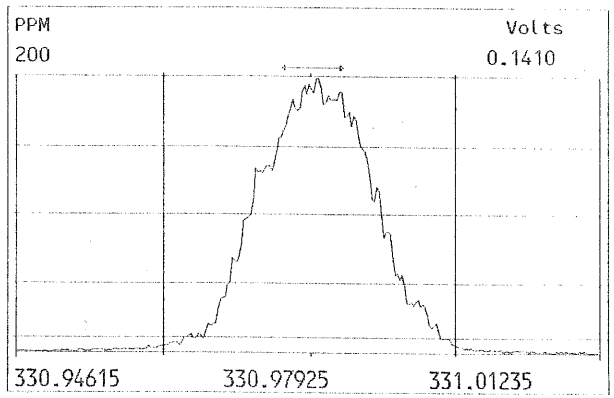
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

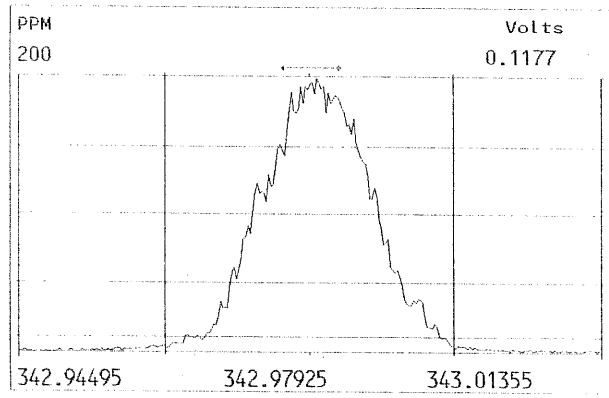


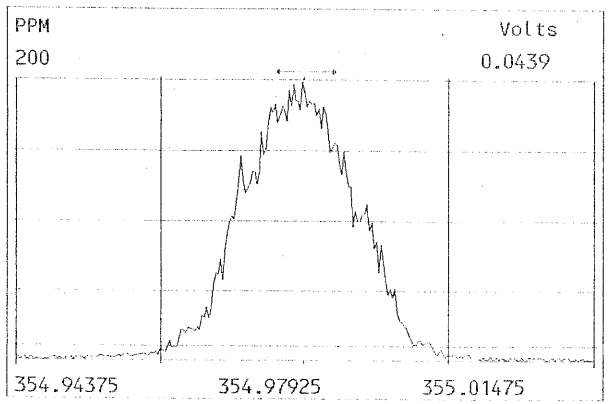


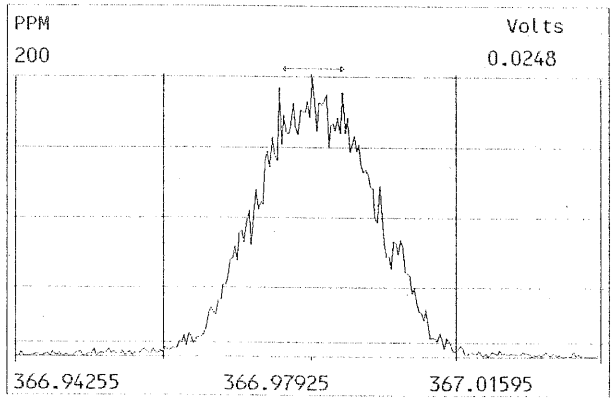


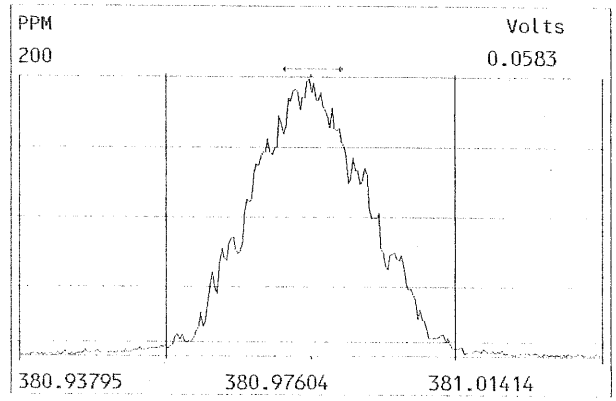




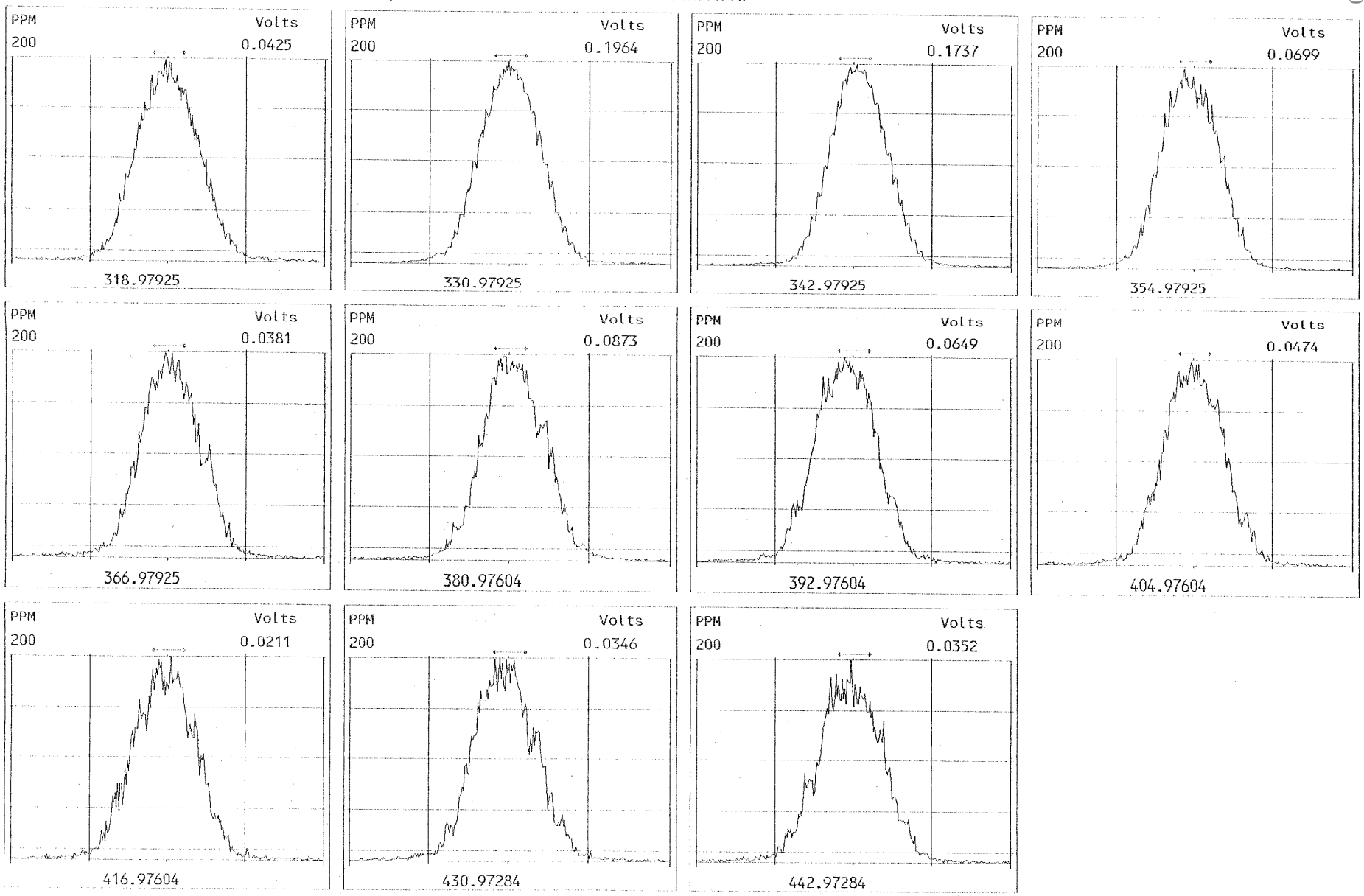
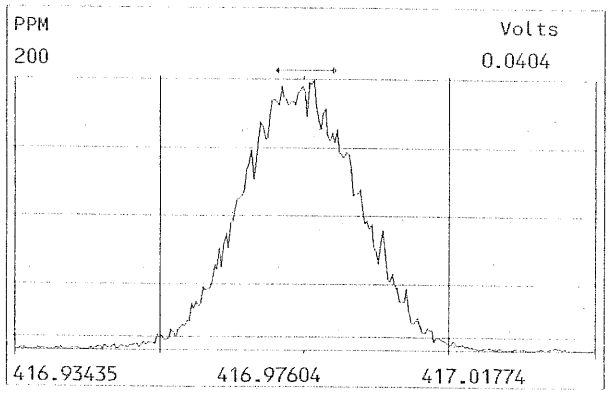
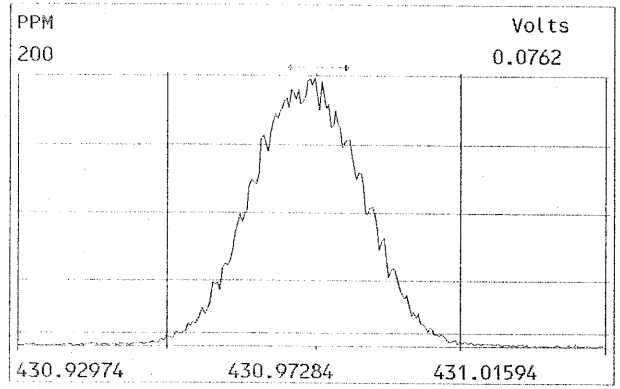
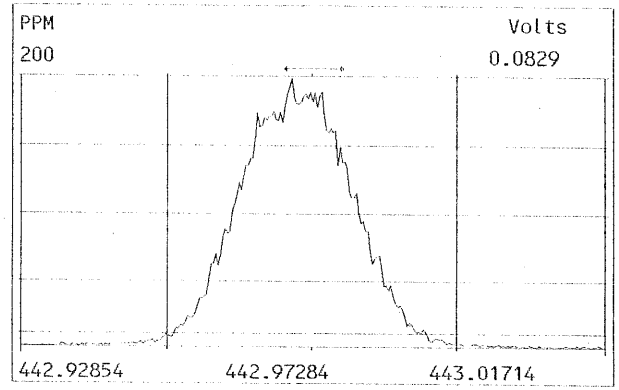
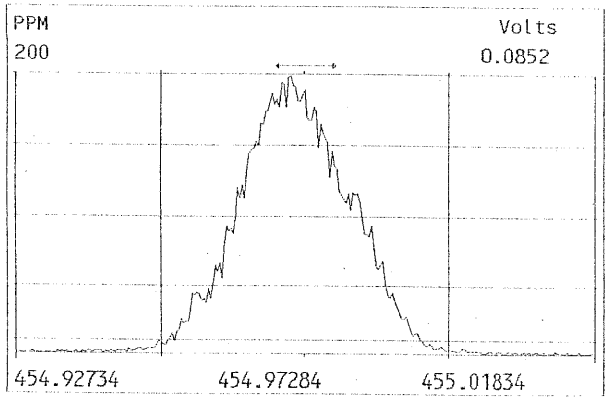
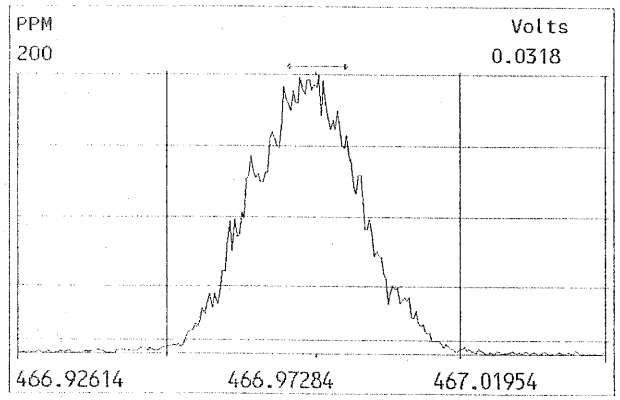
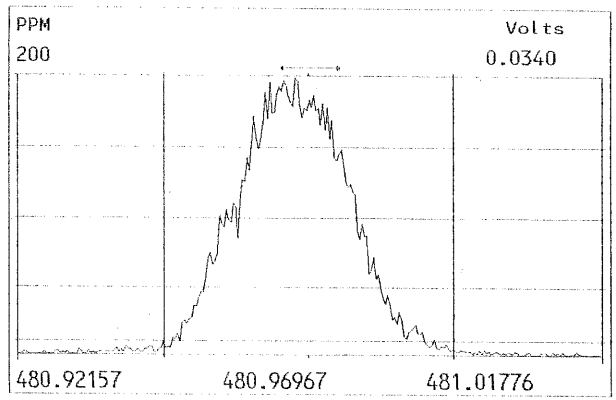
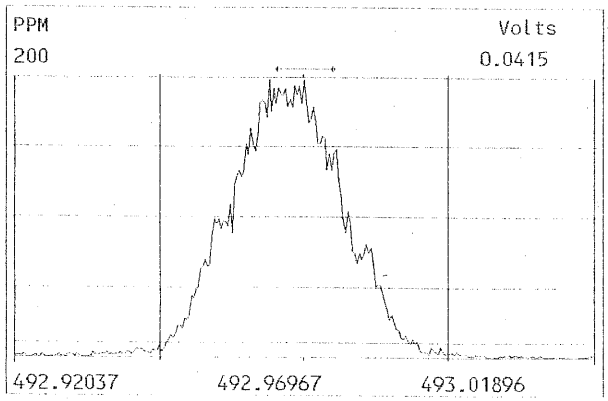
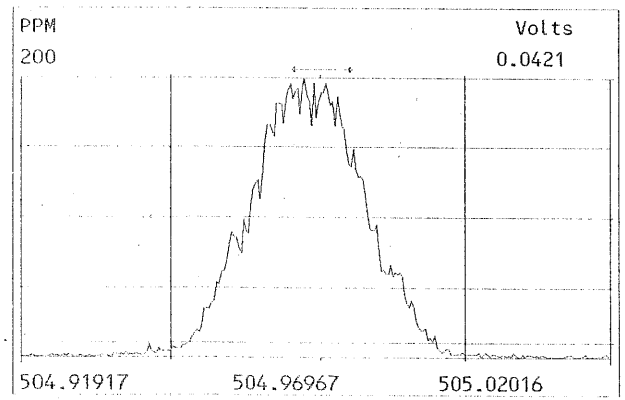
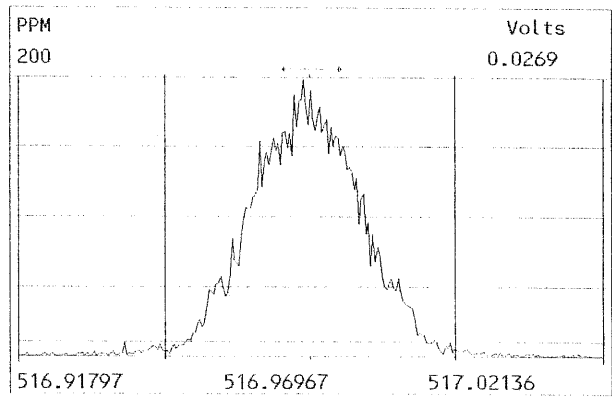








Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:27-OCT-2020:20:58 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK