November 4, 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 **13376**. These results correspond to your **LDW ENR/AC Pilot Study** project. Ten sediment samples were received on 10/2/2020 at Frontier Analytical Laboratory in good condition. As per your instructions, all ten sediment samples were initially placed on hold. On 10/19/2020 you contacted us by e-mail to request samples 13376-002-SA, 13376-003-SA, 13376-004-SA, 13376-006-SA, 13376-007-SA and 13376-008-SA (Floyd | Snider Sample IDs: LDW-Y3-IN-ENR-CB-CORE, LDW-Y3-IN-ENR-CC-CORE, LDW-Y3-IN-ENR-CD-CORE, LDW-Y3-IN-ENR+AC-CA-CORE, LDW-Y3-IN-ENR+AC-CB-CORE and LDW-Y3-IN-ENR+AC-CC-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 **13376**.

The following Level IV report consists of an Analytical Data section, a Sample Receipt section, a Laboratory Raw Data section and an Instrument Raw Data section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, your e-mail dated 10/19/2020, our sample login form and 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 **13376**, 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: **13376**

Received on: **10/02/2020** Project Due: **10/26/2020** Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13376-001-SA	0	LY15160310	LDW-Y3-IN-ENR-CA-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:40 am	10/01/2021
13376-002-SA	0	LY15160310	LDW-Y3-IN-ENR-CB-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:20 am	10/01/2021
13376-003-SA	0	LY15160310	LDW-Y3-IN-ENR-CC-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:25 am	10/01/2021
13376-004-SA	0	LY15160310	LDW-Y3-IN-ENR-CD-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:30 am	10/01/2021
13376-005-SA	0	LY15160310	LDW-Y3-IN-ENR-CE-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:45 am	10/01/2021
13376-006-SA	0	LY15160310	LDW-Y3-IN-ENR+AC-CA-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:50 am	10/01/2021
13376-007-SA	0	LY15160310	LDW-Y3-IN-ENR+AC-CB-CORE	EPA 1668 PCB	Sediment	10/01/2020	10:55 am	10/01/2021
13376-008-SA	0	LY15160310	LDW-Y3-IN-ENR+AC-CC-CORE	EPA 1668 PCB	Sediment	10/01/2020	11:00 am	10/01/2021
13376-009-SA	0	LY15160310	LDW-Y3-IN-ENR+AC-CD-CORE	EPA 1668 PCB	Sediment	10/01/2020	11:05 am	10/01/2021
13376-010-SA	0	LY15160310	LDW-Y3-IN-ENR+AC-CE-CORE	EPA 1668 PCB	Sediment	10/01/2020	11:10 am	10/01/2021

FAL Sample ID	Notes
13376-001-SA	HOLD
13376-002-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-003-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-004-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-005-SA	HOLD
13376-006-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-007-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-008-SA	Sample off hold as of 10/20/2020. New Due Date: 11/11/2020.
13376-009-SA	HOLD
13376-010-SA	HOLD

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EPA Method 1668
PCBs

FAL ID: 13376-001-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		

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EPA Method 1668
PCBs

FAL ID: 13376-001-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		

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EPA Method 1668
PCBs

FAL ID: 13376-001-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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-001-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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-002-SA
Client ID: LDW-Y3-IN-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.01 g
% Solids: 99.00

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 7580

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	11.1	-			PCB-51	5.15	-		
PCB-2	2.82	-			PCB-52	226	-	C	69
PCB-3	12.9	-			PCB-53	13.8	-		
PCB-4	10.1	-			PCB-54	ND	0.607		
PCB-5	ND	0.638			PCB-55	5.45	-		
PCB-6	15.7	-			PCB-56	75.0	-	C	60
PCB-7	2.68	-			PCB-57	3.01	-		
PCB-8	44.2	-			PCB-58	1.21	-	J	
PCB-9	3.05	-			PCB-59	-	-	C042	42
PCB-10	1.33	-	J		PCB-60	-	-	C056	56
PCB-11	7.70	-			PCB-61	202	-	C	70
PCB-12	6.83	-			PCB-62	ND	0.622		
PCB-13	3.30	-			PCB-63	5.88	-		
PCB-14	ND	0.648			PCB-64	-	-	C041	41/71/72
PCB-15	36.1	-			PCB-65	ND	0.625		
PCB-16	10.6	-			PCB-66	158	-	C	76
PCB-17	19.4	-			PCB-67	6.99	-		
PCB-18	41.1	-			PCB-68	3.60	-		
PCB-19	3.45	-			PCB-69	-	-	C052	52
PCB-20	44.7	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	25.6	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.607			PCB-73	2.85	-		
PCB-24	2.84	-			PCB-74	68.4	-		
PCB-25	26.8	-			PCB-75	-	-	C048	48
PCB-26	49.4	-			PCB-76	-	-	C066	66
PCB-27	2.54	-			PCB-77	20.2	-		
PCB-28	86.0	-			PCB-78	ND	0.600		
PCB-29	ND	0.580			PCB-79	5.04	-		
PCB-30	ND	0.816			PCB-80	1.73	-	J	
PCB-31	77.1	-			PCB-81	6.45	-		
PCB-32	15.5	-			PCB-82	40.0	-		
PCB-33	-	-	C020	20/21	PCB-83	18.9	-	C	112
PCB-34	ND	0.592			PCB-84	146	-	C	92
PCB-35	2.45	-			PCB-85	55.8	-	C	116
PCB-36	ND	0.587			PCB-86	ND	1.23		
PCB-37	38.6	-			PCB-87	127	-	C	117/125
PCB-38	ND	0.568			PCB-88	51.2	-	C	91
PCB-39	ND	0.572			PCB-89	3.33	-		
PCB-40	14.7	-			PCB-90	356	-	C	101
PCB-41	94.1	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	41.3	-	C	59	PCB-92	-	-	C084	84
PCB-43	149	-	C	49	PCB-93	ND	0.628		
PCB-44	128	-			PCB-94	2.02	-		
PCB-45	9.31	-			PCB-95	289	-		
PCB-46	3.72	-			PCB-96	1.71	-	J	
PCB-47	48.8	-			PCB-97	115	-		
PCB-48	15.8	-	C	75	PCB-98	ND	0.669	C	102
PCB-49	-	-	C043	43	PCB-99	165	-		
PCB-50	ND	0.737			PCB-100	2.86	-		

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EPA Method 1668
PCBs

FAL ID: 13376-002-SA
Client ID: LDW-Y3-IN-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.01 g
% Solids: 99.00

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	81.6	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.517		
PCB-103	4.94	-			PCB-153	416	-		
PCB-104	ND	0.449			PCB-154	7.48	-		
PCB-105	145	-			PCB-155	ND	0.498		
PCB-106	392	-	C	118	PCB-156	56.4	-		
PCB-107	32.3	-	C	108	PCB-157	14.1	-		
PCB-108	-	-	C107	107	PCB-158	55.7	-	C	160
PCB-109	ND	0.803			PCB-159	3.55	-		
PCB-110	419	-			PCB-160	-	-	C158	158
PCB-111	7.55	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.927			PCB-163	-	-	C138	138/164
PCB-114	8.51	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.59	-		
PCB-117	-	-	C087	87/125	PCB-167	24.2	-		
PCB-118	-	-	C	106	PCB-168	ND	0.760		
PCB-119	11.3	-			PCB-169	ND	0.713		
PCB-120	1.67	-	J		PCB-170	104	-		
PCB-121	ND	0.495			PCB-171	28.3	-		
PCB-122	5.77	-			PCB-172	19.9	-		
PCB-123	8.31	-			PCB-173	ND	0.823		
PCB-124	16.6	-			PCB-174	93.4	-		
PCB-125	-	-	C087	87/117	PCB-175	4.66	-		
PCB-126	3.22	-			PCB-176	11.8	-		
PCB-127	ND	0.814			PCB-177	62.9	-		
PCB-128	94.6	-	C	162	PCB-178	21.1	-		
PCB-129	25.7	-			PCB-179	38.8	-		
PCB-130	33.5	-			PCB-180	235	-		
PCB-131	16.0	-	C	133	PCB-181	ND	0.698		
PCB-132	116	-	C	161	PCB-182	122	-	C	187
PCB-133	-	-	C131	131	PCB-183	55.4	-		
PCB-134	27.5	-	C	143	PCB-184	ND	0.511		
PCB-135	55.9	-			PCB-185	11.1	-		
PCB-136	53.0	-			PCB-186	ND	0.538		
PCB-137	31.8	-			PCB-187	-	-	C182	182
PCB-138	502	-	C	163/164	PCB-188	ND	0.612		
PCB-139	321	-	C	149	PCB-189	4.77	-		
PCB-140	4.22	-			PCB-190	22.2	-		
PCB-141	76.8	-			PCB-191	5.25	-		
PCB-142	ND	1.06			PCB-192	ND	0.602		
PCB-143	-	-	C134	134	PCB-193	13.0	-		
PCB-144	18.5	-			PCB-194	52.6	-		
PCB-145	ND	0.515			PCB-195	19.8	-		
PCB-146	66.9	-	C	165	PCB-196	57.6	-	C	203
PCB-147	10.8	-			PCB-197	2.27	-		
PCB-148	ND	0.627			PCB-198	3.24	-		
PCB-149	-	-	C139	139	PCB-199	52.5	-		
PCB-150	1.05	-	J		PCB-200	7.60	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-002-SA
Client ID: LDW-Y3-IN-ENR-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.01 g
% Solids: 99.00

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	7.49	-		
PCB-202	12.1	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.542		
PCB-205	2.99	-		
PCB-206	23.7	-		
PCB-207	3.13	-		
PCB-208	5.34	-		
PCB-209	9.05	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	91.8	5.00 - 145	
13C-PCB-3	89.8	5.00 - 145	
13C-PCB-4	94.9	5.00 - 145	
13C-PCB-15	106	5.00 - 145	
13C-PCB-19	91.5	5.00 - 145	
13C-PCB-37	122	5.00 - 145	
13C-PCB-54	95.1	5.00 - 145	
13C-PCB-77	109	10.0 - 145	
13C-PCB-81	109	10.0 - 145	
13C-PCB-104	90.7	10.0 - 145	
13C-PCB-105	108	10.0 - 145	
13C-PCB-114	109	10.0 - 145	
13C-PCB-118	111	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	110	10.0 - 145	
13C-PCB-155	96.9	10.0 - 145	
13C-PCB-156	95.0	10.0 - 145	
13C-PCB-157	100	10.0 - 145	
13C-PCB-167	102	10.0 - 145	
13C-PCB-169	108	10.0 - 145	
13C-PCB-188	94.0	10.0 - 145	
13C-PCB-189	87.0	10.0 - 145	
13C-PCB-202	83.3	10.0 - 145	
13C-PCB-205	98.0	10.0 - 145	
13C-PCB-206	90.3	10.0 - 145	
13C-PCB-208	91.5	10.0 - 145	
13C-PCB-209	82.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	89.8	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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-003-SA
Client ID: LDW-Y3-IN-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.02 g
% Solids: 98.44

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 15100

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	18.7	-			PCB-51	6.73	-		
PCB-2	5.26	-			PCB-52	432	-	C	69
PCB-3	17.7	-			PCB-53	24.4	-		
PCB-4	21.2	-			PCB-54	ND	0.710		
PCB-5	ND	0.610			PCB-55	8.42	-		
PCB-6	24.2	-			PCB-56	136	-	C	60
PCB-7	4.69	-			PCB-57	3.35	-		
PCB-8	72.3	-			PCB-58	2.06	-		
PCB-9	4.87	-			PCB-59	-	-	C042	42
PCB-10	1.59	-	J		PCB-60	-	-	C056	56
PCB-11	10.8	-			PCB-61	414	-	C	70
PCB-12	11.5	-			PCB-62	ND	0.727		
PCB-13	10.7	-			PCB-63	11.2	-		
PCB-14	ND	0.619			PCB-64	-	-	C041	41/71/72
PCB-15	58.4	-			PCB-65	ND	0.731		
PCB-16	22.4	-			PCB-66	282	-	C	76
PCB-17	33.7	-			PCB-67	11.8	-		
PCB-18	72.9	-			PCB-68	2.91	-		
PCB-19	5.99	-			PCB-69	-	-	C052	52
PCB-20	105	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	65.3	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.20	-	J		PCB-73	4.43	-		
PCB-24	5.45	-			PCB-74	136	-		
PCB-25	52.7	-			PCB-75	-	-	C048	48
PCB-26	107	-			PCB-76	-	-	C066	66
PCB-27	4.69	-			PCB-77	43.9	-		
PCB-28	185	-			PCB-78	ND	0.656		
PCB-29	1.48	-	J		PCB-79	9.21	-		
PCB-30	ND	0.755			PCB-80	3.06	-		
PCB-31	190	-			PCB-81	14.3	-		
PCB-32	23.1	-			PCB-82	83.0	-		
PCB-33	-	-	C020	20/21	PCB-83	36.4	-	C	112
PCB-34	1.27	-	J		PCB-84	312	-	C	92
PCB-35	11.9	-			PCB-85	107	-	C	116
PCB-36	ND	0.797			PCB-86	ND	1.22		
PCB-37	68.9	-			PCB-87	271	-	C	117/125
PCB-38	4.50	-			PCB-88	121	-	C	91
PCB-39	ND	0.776			PCB-89	5.93	-		
PCB-40	18.4	-			PCB-90	716	-	C	101
PCB-41	119	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	54.4	-	C	59	PCB-92	-	-	C084	84
PCB-43	234	-	C	49	PCB-93	ND	0.743		
PCB-44	204	-			PCB-94	3.74	-		
PCB-45	16.7	-			PCB-95	762	-		
PCB-46	6.55	-			PCB-96	2.90	-		
PCB-47	69.3	-			PCB-97	236	-		
PCB-48	59.1	-	C	75	PCB-98	ND	0.791	C	102
PCB-49	-	-	C043	43	PCB-99	299	-		
PCB-50	ND	0.862			PCB-100	4.31	-		

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EPA Method 1668
PCBs

FAL ID: 13376-003-SA
Client ID: LDW-Y3-IN-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.02 g
% Solids: 98.44

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	160	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.574		
PCB-103	7.32	-			PCB-153	798	-		
PCB-104	ND	0.530			PCB-154	13.3	-		
PCB-105	321	-			PCB-155	ND	0.552		
PCB-106	805	-	C	118	PCB-156	124	-		
PCB-107	59.6	-	C	108	PCB-157	32.5	-		
PCB-108	-	-	C107	107	PCB-158	121	-	C	160
PCB-109	ND	0.798			PCB-159	6.05	-		
PCB-110	853	-			PCB-160	-	-	C158	158
PCB-111	14.0	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.921			PCB-163	-	-	C138	138/164
PCB-114	16.8	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.02	-		
PCB-117	-	-	C087	87/125	PCB-167	50.4	-		
PCB-118	-	-	C	106	PCB-168	ND	0.668		
PCB-119	19.6	-			PCB-169	ND	0.634		
PCB-120	2.53	-			PCB-170	212	-		
PCB-121	ND	0.585			PCB-171	59.1	-		
PCB-122	9.84	-			PCB-172	35.6	-		
PCB-123	16.7	-			PCB-173	6.33	-		
PCB-124	37.2	-			PCB-174	185	-		
PCB-125	-	-	C087	87/117	PCB-175	9.36	-		
PCB-126	8.91	-			PCB-176	25.4	-		
PCB-127	ND	0.815			PCB-177	123	-		
PCB-128	195	-	C	162	PCB-178	41.6	-		
PCB-129	58.2	-			PCB-179	74.5	-		
PCB-130	68.7	-			PCB-180	440	-		
PCB-131	34.3	-	C	133	PCB-181	ND	0.633		
PCB-132	255	-	C	161	PCB-182	224	-	C	187
PCB-133	-	-	C131	131	PCB-183	108	-		
PCB-134	59.5	-	C	143	PCB-184	ND	0.464		
PCB-135	115	-			PCB-185	21.1	-		
PCB-136	122	-			PCB-186	ND	0.488		
PCB-137	70.1	-			PCB-187	-	-	C182	182
PCB-138	1050	-	C	163/164	PCB-188	ND	0.525		
PCB-139	650	-	C	149	PCB-189	8.65	-		
PCB-140	6.27	-			PCB-190	41.5	-		
PCB-141	165	-			PCB-191	9.42	-		
PCB-142	ND	0.929			PCB-192	ND	0.546		
PCB-143	-	-	C134	134	PCB-193	24.2	-		
PCB-144	43.2	-			PCB-194	87.0	-		
PCB-145	ND	0.572			PCB-195	38.6	-		
PCB-146	129	-	C	165	PCB-196	99.5	-	C	203
PCB-147	21.2	-			PCB-197	4.60	-		
PCB-148	ND	0.695			PCB-198	5.17	-		
PCB-149	-	-	C139	139	PCB-199	92.0	-		
PCB-150	1.83	-	J		PCB-200	12.2	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-003-SA
Client ID: LDW-Y3-IN-ENR-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.02 g
% Solids: 98.44

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	14.4	-		
PCB-202	18.8	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.759		
PCB-205	6.16	-		
PCB-206	38.1	-		
PCB-207	5.26	-		
PCB-208	10.0	-		
PCB-209	18.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	81.8	5.00 - 145	
13C-PCB-3	84.2	5.00 - 145	
13C-PCB-4	90.6	5.00 - 145	
13C-PCB-15	108	5.00 - 145	
13C-PCB-19	82.7	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	94.8	5.00 - 145	
13C-PCB-77	109	10.0 - 145	
13C-PCB-81	109	10.0 - 145	
13C-PCB-104	77.6	10.0 - 145	
13C-PCB-105	108	10.0 - 145	
13C-PCB-114	107	10.0 - 145	
13C-PCB-118	108	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	112	10.0 - 145	
13C-PCB-155	81.4	10.0 - 145	
13C-PCB-156	89.5	10.0 - 145	
13C-PCB-157	93.8	10.0 - 145	
13C-PCB-167	97.8	10.0 - 145	
13C-PCB-169	96.8	10.0 - 145	
13C-PCB-188	81.1	10.0 - 145	
13C-PCB-189	75.1	10.0 - 145	
13C-PCB-202	72.0	10.0 - 145	
13C-PCB-205	92.5	10.0 - 145	
13C-PCB-206	81.8	10.0 - 145	
13C-PCB-208	85.9	10.0 - 145	
13C-PCB-209	73.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	122	5.00 - 145	
13C-PCB-111	85.5	10.0 - 145	
13C-PCB-178	78.7	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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-004-SA
Client ID: LDW-Y3-IN-ENR-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.08

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 6420

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	6.67	-			PCB-51	2.88	-		
PCB-2	2.37	-			PCB-52	179	-	C	69
PCB-3	7.72	-			PCB-53	9.91	-		
PCB-4	6.94	-			PCB-54	ND	0.662		
PCB-5	ND	0.633			PCB-55	5.22	-		
PCB-6	10.1	-			PCB-56	63.3	-	C	60
PCB-7	2.28	-			PCB-57	2.13	-		
PCB-8	29.9	-			PCB-58	1.12	-	J	
PCB-9	2.27	-			PCB-59	-	-	C042	42
PCB-10	ND	0.597			PCB-60	-	-	C056	56
PCB-11	8.61	-			PCB-61	178	-	C	70
PCB-12	4.03	-			PCB-62	ND	0.678		
PCB-13	5.28	-			PCB-63	5.57	-		
PCB-14	ND	0.643			PCB-64	-	-	C041	41/71/72
PCB-15	28.1	-			PCB-65	ND	0.681		
PCB-16	7.82	-			PCB-66	135	-	C	76
PCB-17	15.4	-			PCB-67	5.82	-		
PCB-18	31.1	-			PCB-68	3.03	-		
PCB-19	2.65	-			PCB-69	-	-	C052	52
PCB-20	35.4	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	19.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.544			PCB-73	2.53	-		
PCB-24	2.12	-			PCB-74	60.8	-		
PCB-25	18.4	-			PCB-75	-	-	C048	48
PCB-26	32.8	-			PCB-76	-	-	C066	66
PCB-27	2.01	-			PCB-77	21.5	-		
PCB-28	65.7	-			PCB-78	ND	0.471		
PCB-29	ND	0.520			PCB-79	4.84	-		
PCB-30	ND	0.824			PCB-80	2.38	-		
PCB-31	60.9	-			PCB-81	6.38	-		
PCB-32	11.5	-			PCB-82	33.8	-		
PCB-33	-	-	C020	20/21	PCB-83	15.4	-	C	112
PCB-34	ND	0.530			PCB-84	120	-	C	92
PCB-35	4.32	-			PCB-85	49.2	-	C	116
PCB-36	ND	0.526			PCB-86	ND	1.01		
PCB-37	33.1	-			PCB-87	111	-	C	117/125
PCB-38	1.21	-	J		PCB-88	43.9	-	C	91
PCB-39	ND	0.513			PCB-89	3.13	-		
PCB-40	11.8	-			PCB-90	290	-	C	101
PCB-41	73.0	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	31.6	-	C	59	PCB-92	-	-	C084	84
PCB-43	109	-	C	49	PCB-93	ND	0.609		
PCB-44	101	-			PCB-94	1.74	-	J	
PCB-45	7.45	-			PCB-95	251	-		
PCB-46	2.90	-			PCB-96	1.23	-	J	
PCB-47	35.7	-			PCB-97	94.9	-		
PCB-48	12.7	-	C	75	PCB-98	ND	0.648	C	102
PCB-49	-	-	C043	43	PCB-99	132	-		
PCB-50	ND	0.803			PCB-100	1.83	-	J	

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EPA Method 1668
PCBs

FAL ID: 13376-004-SA
Client ID: LDW-Y3-IN-ENR-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.08

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	62.9	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.393		
PCB-103	3.67	-			PCB-153	336	-		
PCB-104	ND	0.434			PCB-154	7.15	-		
PCB-105	133	-			PCB-155	ND	0.378		
PCB-106	353	-	C	118	PCB-156	52.2	-		
PCB-107	28.2	-	C	108	PCB-157	13.1	-		
PCB-108	-	-	C107	107	PCB-158	50.8	-	C	160
PCB-109	ND	0.657			PCB-159	3.22	-		
PCB-110	354	-			PCB-160	-	-	C158	158
PCB-111	5.59	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.759			PCB-163	-	-	C138	138/164
PCB-114	7.30	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.25	-		
PCB-117	-	-	C087	87/125	PCB-167	23.2	-		
PCB-118	-	-	C	106	PCB-168	ND	0.676		
PCB-119	8.19	-			PCB-169	ND	0.595		
PCB-120	1.89	-	J		PCB-170	96.6	-		
PCB-121	ND	0.479			PCB-171	26.6	-		
PCB-122	6.36	-			PCB-172	16.2	-		
PCB-123	7.87	-			PCB-173	ND	0.800		
PCB-124	15.8	-			PCB-174	83.6	-		
PCB-125	-	-	C087	87/117	PCB-175	4.37	-		
PCB-126	4.09	-			PCB-176	11.3	-		
PCB-127	ND	0.671			PCB-177	57.9	-		
PCB-128	81.8	-	C	162	PCB-178	19.1	-		
PCB-129	23.5	-			PCB-179	33.7	-		
PCB-130	32.0	-			PCB-180	210	-		
PCB-131	13.3	-	C	133	PCB-181	ND	0.678		
PCB-132	112	-	C	161	PCB-182	108	-	C	187
PCB-133	-	-	C131	131	PCB-183	49.8	-		
PCB-134	23.6	-	C	143	PCB-184	ND	0.497		
PCB-135	47.9	-			PCB-185	10.2	-		
PCB-136	48.1	-			PCB-186	ND	0.523		
PCB-137	24.9	-			PCB-187	-	-	C182	182
PCB-138	439	-	C	163/164	PCB-188	ND	0.583		
PCB-139	268	-	C	149	PCB-189	5.69	-		
PCB-140	2.70	-			PCB-190	20.6	-		
PCB-141	68.4	-			PCB-191	4.82	-		
PCB-142	ND	0.941			PCB-192	ND	0.585		
PCB-143	-	-	C134	134	PCB-193	10.3	-		
PCB-144	13.4	-			PCB-194	44.0	-		
PCB-145	ND	0.392			PCB-195	19.4	-		
PCB-146	55.7	-	C	165	PCB-196	51.7	-	C	203
PCB-147	8.33	-			PCB-197	1.88	-	J	
PCB-148	ND	0.476			PCB-198	3.46	-		
PCB-149	-	-	C139	139	PCB-199	45.0	-		
PCB-150	ND	0.392			PCB-200	5.54	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-004-SA
Client ID: LDW-Y3-IN-ENR-CD-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.08

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	6.51	-		
PCB-202	10.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.680		
PCB-205	3.08	-		
PCB-206	20.1	-		
PCB-207	2.83	-		
PCB-208	5.31	-		
PCB-209	8.16	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	84.1	5.00 - 145	
13C-PCB-3	88.1	5.00 - 145	
13C-PCB-4	98.6	5.00 - 145	
13C-PCB-15	117	5.00 - 145	
13C-PCB-19	90.6	5.00 - 145	
13C-PCB-37	129	5.00 - 145	
13C-PCB-54	95.8	5.00 - 145	
13C-PCB-77	117	10.0 - 145	
13C-PCB-81	118	10.0 - 145	
13C-PCB-104	89.3	10.0 - 145	
13C-PCB-105	113	10.0 - 145	
13C-PCB-114	113	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	112	10.0 - 145	
13C-PCB-126	119	10.0 - 145	
13C-PCB-155	93.7	10.0 - 145	
13C-PCB-156	99.3	10.0 - 145	
13C-PCB-157	104	10.0 - 145	
13C-PCB-167	107	10.0 - 145	
13C-PCB-169	111	10.0 - 145	
13C-PCB-188	90.5	10.0 - 145	
13C-PCB-189	88.0	10.0 - 145	
13C-PCB-202	83.4	10.0 - 145	
13C-PCB-205	98.6	10.0 - 145	
13C-PCB-206	87.0	10.0 - 145	
13C-PCB-208	97.9	10.0 - 145	
13C-PCB-209	79.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	112	5.00 - 145	
13C-PCB-111	95.9	10.0 - 145	
13C-PCB-178	86.5	10.0 - 145	

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

Analyst: [signature]

Date: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-006-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.03 g
% Solids: 99.34

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 13600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	30.7	-			PCB-51	7.68	-		
PCB-2	3.64	-			PCB-52	439	-	C	69
PCB-3	11.4	-			PCB-53	26.3	-		
PCB-4	27.9	-			PCB-54	ND	0.672		
PCB-5	ND	0.810			PCB-55	7.73	-		
PCB-6	21.7	-			PCB-56	101	-	C	60
PCB-7	5.40	-			PCB-57	3.09	-		
PCB-8	58.2	-			PCB-58	1.30	-	J	
PCB-9	3.55	-			PCB-59	-	-	C042	42
PCB-10	2.15	-			PCB-60	-	-	C056	56
PCB-11	10.0	-			PCB-61	305	-	C	70
PCB-12	8.49	-			PCB-62	ND	0.689		
PCB-13	5.69	-			PCB-63	8.56	-		
PCB-14	ND	0.822			PCB-64	-	-	C041	41/71/72
PCB-15	33.6	-			PCB-65	ND	0.692		
PCB-16	20.6	-			PCB-66	215	-	C	76
PCB-17	34.5	-			PCB-67	9.42	-		
PCB-18	78.4	-			PCB-68	3.83	-		
PCB-19	8.21	-			PCB-69	-	-	C052	52
PCB-20	68.5	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	41.5	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.686			PCB-73	3.69	-		
PCB-24	5.44	-			PCB-74	95.7	-		
PCB-25	39.7	-			PCB-75	-	-	C048	48
PCB-26	72.0	-			PCB-76	-	-	C066	66
PCB-27	4.79	-			PCB-77	24.6	-		
PCB-28	118	-			PCB-78	ND	0.666		
PCB-29	1.28	-	J		PCB-79	9.14	-		
PCB-30	ND	0.883			PCB-80	2.95	-		
PCB-31	132	-			PCB-81	14.4	-		
PCB-32	27.6	-			PCB-82	84.2	-		
PCB-33	-	-	C020	20/21	PCB-83	35.1	-	C	112
PCB-34	1.19	-	J		PCB-84	304	-	C	92
PCB-35	8.25	-			PCB-85	111	-	C	116
PCB-36	ND	0.663			PCB-86	ND	1.15		
PCB-37	40.0	-			PCB-87	267	-	C	117/125
PCB-38	ND	0.641			PCB-88	114	-	C	91
PCB-39	ND	0.646			PCB-89	5.78	-		
PCB-40	21.4	-			PCB-90	704	-	C	101
PCB-41	125	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	56.3	-	C	59	PCB-92	-	-	C084	84
PCB-43	231	-	C	49	PCB-93	ND	0.597		
PCB-44	222	-			PCB-94	3.45	-		
PCB-45	18.1	-			PCB-95	716	-		
PCB-46	8.30	-			PCB-96	3.88	-		
PCB-47	65.8	-			PCB-97	231	-		
PCB-48	27.6	-	C	75	PCB-98	ND	0.636	C	102
PCB-49	-	-	C043	43	PCB-99	296	-		
PCB-50	ND	0.816			PCB-100	3.50	-		

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EPA Method 1668
PCBs

FAL ID: 13376-006-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.03 g
% Solids: 99.34

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	138	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.563		
PCB-103	6.81	-			PCB-153	722	-		
PCB-104	ND	0.427			PCB-154	11.0	-		
PCB-105	264	-			PCB-155	ND	0.542		
PCB-106	680	-	C	118	PCB-156	105	-		
PCB-107	51.6	-	C	108	PCB-157	28.8	-		
PCB-108	-	-	C107	107	PCB-158	112	-	C	160
PCB-109	ND	0.750			PCB-159	4.53	-		
PCB-110	820	-			PCB-160	-	-	C158	158
PCB-111	9.75	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.865			PCB-163	-	-	C138	138/164
PCB-114	12.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.89	-		
PCB-117	-	-	C087	87/125	PCB-167	42.1	-		
PCB-118	-	-	C	106	PCB-168	ND	0.714		
PCB-119	17.7	-			PCB-169	ND	0.666		
PCB-120	2.22	-			PCB-170	169	-		
PCB-121	ND	0.470			PCB-171	42.9	-		
PCB-122	8.61	-			PCB-172	27.4	-		
PCB-123	14.1	-			PCB-173	4.62	-		
PCB-124	32.1	-			PCB-174	149	-		
PCB-125	-	-	C087	87/117	PCB-175	7.38	-		
PCB-126	4.50	-			PCB-176	19.8	-		
PCB-127	ND	0.771			PCB-177	92.8	-		
PCB-128	182	-	C	162	PCB-178	30.1	-		
PCB-129	57.6	-			PCB-179	60.3	-		
PCB-130	67.2	-			PCB-180	353	-		
PCB-131	30.3	-	C	133	PCB-181	ND	0.837		
PCB-132	257	-	C	161	PCB-182	169	-	C	187
PCB-133	-	-	C131	131	PCB-183	84.8	-		
PCB-134	55.9	-	C	143	PCB-184	ND	0.614		
PCB-135	103	-			PCB-185	15.4	-		
PCB-136	109	-			PCB-186	ND	0.646		
PCB-137	64.5	-			PCB-187	-	-	C182	182
PCB-138	971	-	C	163/164	PCB-188	ND	0.761		
PCB-139	595	-	C	149	PCB-189	6.80	-		
PCB-140	6.28	-			PCB-190	34.9	-		
PCB-141	150	-			PCB-191	7.75	-		
PCB-142	ND	0.993			PCB-192	ND	0.723		
PCB-143	-	-	C134	134	PCB-193	17.2	-		
PCB-144	35.5	-			PCB-194	96.2	-		
PCB-145	ND	0.561			PCB-195	38.3	-		
PCB-146	111	-	C	165	PCB-196	111	-	C	203
PCB-147	18.9	-			PCB-197	3.76	-		
PCB-148	ND	0.683			PCB-198	6.66	-		
PCB-149	-	-	C139	139	PCB-199	98.1	-		
PCB-150	1.65	-	J		PCB-200	13.3	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-006-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.03 g
% Solids: 99.34

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	13.6	-		
PCB-202	20.7	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.910		
PCB-205	5.67	-		
PCB-206	62.5	-		
PCB-207	7.20	-		
PCB-208	12.5	-		
PCB-209	24.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	84.1	5.00 - 145	
13C-PCB-3	81.0	5.00 - 145	
13C-PCB-4	92.4	5.00 - 145	
13C-PCB-15	105	5.00 - 145	
13C-PCB-19	84.9	5.00 - 145	
13C-PCB-37	109	5.00 - 145	
13C-PCB-54	91.3	5.00 - 145	
13C-PCB-77	105	10.0 - 145	
13C-PCB-81	105	10.0 - 145	
13C-PCB-104	78.5	10.0 - 145	
13C-PCB-105	106	10.0 - 145	
13C-PCB-114	107	10.0 - 145	
13C-PCB-118	107	10.0 - 145	
13C-PCB-123	106	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	85.3	10.0 - 145	
13C-PCB-156	88.4	10.0 - 145	
13C-PCB-157	94.8	10.0 - 145	
13C-PCB-167	97.4	10.0 - 145	
13C-PCB-169	97.5	10.0 - 145	
13C-PCB-188	84.2	10.0 - 145	
13C-PCB-189	82.5	10.0 - 145	
13C-PCB-202	75.3	10.0 - 145	
13C-PCB-205	92.9	10.0 - 145	
13C-PCB-206	82.4	10.0 - 145	
13C-PCB-208	90.1	10.0 - 145	
13C-PCB-209	76.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	105	5.00 - 145	
13C-PCB-111	83.5	10.0 - 145	
13C-PCB-178	75.6	10.0 - 145	

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

Analyst: [signature]

Date: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FAL ID: 13376-007-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.14 g
% Solids: 98.95

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 10600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	16.2	-			PCB-51	6.09	-		
PCB-2	3.15	-			PCB-52	362	-	C	69
PCB-3	9.02	-			PCB-53	23.1	-		
PCB-4	27.2	-			PCB-54	ND	0.650		
PCB-5	ND	0.859			PCB-55	7.30	-		
PCB-6	25.1	-			PCB-56	91.5	-	C	60
PCB-7	3.09	-			PCB-57	3.41	-		
PCB-8	57.0	-			PCB-58	1.43	-	J	
PCB-9	4.10	-			PCB-59	-	-	C042	42
PCB-10	1.53	-	J		PCB-60	-	-	C056	56
PCB-11	9.65	-			PCB-61	257	-	C	70
PCB-12	6.04	-			PCB-62	ND	0.666		
PCB-13	3.91	-			PCB-63	7.63	-		
PCB-14	ND	0.872			PCB-64	-	-	C041	41/71/72
PCB-15	32.2	-			PCB-65	ND	0.669		
PCB-16	20.8	-			PCB-66	192	-	C	76
PCB-17	37.2	-			PCB-67	10.9	-		
PCB-18	82.0	-			PCB-68	3.74	-		
PCB-19	9.14	-			PCB-69	-	-	C052	52
PCB-20	74.1	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	45.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.561			PCB-73	4.52	-		
PCB-24	6.75	-			PCB-74	88.6	-		
PCB-25	43.3	-			PCB-75	-	-	C048	48
PCB-26	87.1	-			PCB-76	-	-	C066	66
PCB-27	5.24	-			PCB-77	20.9	-		
PCB-28	134	-			PCB-78	ND	0.528		
PCB-29	ND	0.536			PCB-79	7.01	-		
PCB-30	ND	0.899			PCB-80	1.62	-	J	
PCB-31	139	-			PCB-81	10.2	-		
PCB-32	26.5	-			PCB-82	60.0	-		
PCB-33	-	-	C020	20/21	PCB-83	26.6	-	C	112
PCB-34	ND	0.546			PCB-84	227	-	C	92
PCB-35	4.49	-			PCB-85	83.0	-	C	116
PCB-36	ND	0.542			PCB-86	ND	1.17		
PCB-37	43.4	-			PCB-87	192	-	C	117/125
PCB-38	ND	0.524			PCB-88	88.8	-	C	91
PCB-39	ND	0.528			PCB-89	4.77	-		
PCB-40	19.2	-			PCB-90	509	-	C	101
PCB-41	109	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	47.7	-	C	59	PCB-92	-	-	C084	84
PCB-43	199	-	C	49	PCB-93	ND	0.772		
PCB-44	168	-			PCB-94	2.45	-		
PCB-45	15.5	-			PCB-95	531	-		
PCB-46	5.98	-			PCB-96	2.97	-		
PCB-47	63.5	-			PCB-97	167	-		
PCB-48	20.9	-	C	75	PCB-98	ND	0.822	C	102
PCB-49	-	-	C043	43	PCB-99	225	-		
PCB-50	ND	0.789			PCB-100	3.60	-		

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EPA Method 1668
PCBs

FAL ID: 13376-007-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.14 g
% Solids: 98.95

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	106	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.485		
PCB-103	5.95	-			PCB-153	506	-		
PCB-104	ND	0.551			PCB-154	10.0	-		
PCB-105	188	-			PCB-155	ND	0.467		
PCB-106	508	-	C	118	PCB-156	71.5	-		
PCB-107	41.5	-	C	108	PCB-157	18.2	-		
PCB-108	-	-	C107	107	PCB-158	78.9	-	C	160
PCB-109	ND	0.761			PCB-159	4.47	-		
PCB-110	601	-			PCB-160	-	-	C158	158
PCB-111	9.39	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.879			PCB-163	-	-	C138	138/164
PCB-114	10.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.39	-		
PCB-117	-	-	C087	87/125	PCB-167	30.9	-		
PCB-118	-	-	C	106	PCB-168	ND	0.646		
PCB-119	14.1	-			PCB-169	ND	0.625		
PCB-120	1.95	-	J		PCB-170	131	-		
PCB-121	ND	0.608			PCB-171	38.0	-		
PCB-122	7.30	-			PCB-172	22.5	-		
PCB-123	11.1	-			PCB-173	4.02	-		
PCB-124	24.0	-			PCB-174	126	-		
PCB-125	-	-	C087	87/117	PCB-175	6.10	-		
PCB-126	3.67	-			PCB-176	16.2	-		
PCB-127	ND	0.956			PCB-177	78.2	-		
PCB-128	131	-	C	162	PCB-178	27.8	-		
PCB-129	37.3	-			PCB-179	49.0	-		
PCB-130	46.8	-			PCB-180	301	-		
PCB-131	21.9	-	C	133	PCB-181	ND	0.775		
PCB-132	208	-	C	161	PCB-182	154	-	C	187
PCB-133	-	-	C131	131	PCB-183	74.5	-		
PCB-134	38.6	-	C	143	PCB-184	ND	0.568		
PCB-135	73.7	-			PCB-185	14.2	-		
PCB-136	79.8	-			PCB-186	ND	0.598		
PCB-137	45.9	-			PCB-187	-	-	C182	182
PCB-138	697	-	C	163/164	PCB-188	ND	0.677		
PCB-139	437	-	C	149	PCB-189	6.24	-		
PCB-140	4.99	-			PCB-190	28.8	-		
PCB-141	105	-			PCB-191	6.19	-		
PCB-142	ND	0.899			PCB-192	ND	0.669		
PCB-143	-	-	C134	134	PCB-193	15.7	-		
PCB-144	26.6	-			PCB-194	64.6	-		
PCB-145	ND	0.483			PCB-195	25.9	-		
PCB-146	86.9	-	C	165	PCB-196	69.9	-	C	203
PCB-147	15.9	-			PCB-197	2.59	-		
PCB-148	ND	0.588			PCB-198	3.79	-		
PCB-149	-	-	C139	139	PCB-199	63.0	-		
PCB-150	1.47	-	J		PCB-200	8.83	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-007-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.14 g
% Solids: 98.95

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	10.1	-		
PCB-202	15.6	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.729		
PCB-205	4.96	-		
PCB-206	33.0	-		
PCB-207	3.94	-		
PCB-208	8.85	-		
PCB-209	70.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	85.4	5.00 - 145	
13C-PCB-3	84.0	5.00 - 145	
13C-PCB-4	96.8	5.00 - 145	
13C-PCB-15	113	5.00 - 145	
13C-PCB-19	89.2	5.00 - 145	
13C-PCB-37	116	5.00 - 145	
13C-PCB-54	99.8	5.00 - 145	
13C-PCB-77	115	10.0 - 145	
13C-PCB-81	114	10.0 - 145	
13C-PCB-104	85.4	10.0 - 145	
13C-PCB-105	116	10.0 - 145	
13C-PCB-114	116	10.0 - 145	
13C-PCB-118	115	10.0 - 145	
13C-PCB-123	115	10.0 - 145	
13C-PCB-126	117	10.0 - 145	
13C-PCB-155	90.4	10.0 - 145	
13C-PCB-156	98.6	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	107	10.0 - 145	
13C-PCB-169	103	10.0 - 145	
13C-PCB-188	88.0	10.0 - 145	
13C-PCB-189	80.1	10.0 - 145	
13C-PCB-202	79.4	10.0 - 145	
13C-PCB-205	98.8	10.0 - 145	
13C-PCB-206	88.1	10.0 - 145	
13C-PCB-208	93.8	10.0 - 145	
13C-PCB-209	81.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	128	5.00 - 145	
13C-PCB-111	95.8	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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-008-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.56

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020
Total Conc: 4970

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	7.75	-			PCB-51	3.16	-		
PCB-2	1.32	-	J		PCB-52	163	-	C	69
PCB-3	3.69	-			PCB-53	10.4	-		
PCB-4	13.6	-			PCB-54	ND	0.610		
PCB-5	ND	0.882			PCB-55	3.46	-		
PCB-6	10.6	-			PCB-56	48.7	-	C	60
PCB-7	2.20	-			PCB-57	1.36	-	J	
PCB-8	27.9	-			PCB-58	ND	0.636		
PCB-9	1.45	-	J		PCB-59	-	-	C042	42
PCB-10	ND	0.832			PCB-60	-	-	C056	56
PCB-11	6.36	-			PCB-61	123	-	C	70
PCB-12	2.39	-			PCB-62	ND	0.625		
PCB-13	2.38	-			PCB-63	3.47	-		
PCB-14	ND	0.896			PCB-64	-	-	C041	41/71/72
PCB-15	17.2	-			PCB-65	ND	0.628		
PCB-16	11.6	-			PCB-66	94.0	-	C	76
PCB-17	18.8	-			PCB-67	3.13	-		
PCB-18	41.4	-			PCB-68	3.38	-		
PCB-19	4.36	-			PCB-69	-	-	C052	52
PCB-20	31.1	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	18.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.514			PCB-73	1.82	-	J	
PCB-24	2.76	-			PCB-74	42.9	-		
PCB-25	14.0	-			PCB-75	-	-	C048	48
PCB-26	25.9	-			PCB-76	-	-	C066	66
PCB-27	2.99	-			PCB-77	9.91	-		
PCB-28	56.5	-			PCB-78	ND	0.915		
PCB-29	ND	0.491			PCB-79	3.71	-		
PCB-30	ND	0.929			PCB-80	1.40	-	J	
PCB-31	60.9	-			PCB-81	4.98	-		
PCB-32	11.9	-			PCB-82	25.9	-		
PCB-33	-	-	C020	20/21	PCB-83	11.4	-	C	112
PCB-34	ND	0.501			PCB-84	96.1	-	C	92
PCB-35	2.10	-			PCB-85	39.0	-	C	116
PCB-36	ND	0.875			PCB-86	ND	0.766		
PCB-37	17.5	-			PCB-87	87.2	-	C	117/125
PCB-38	ND	0.846			PCB-88	36.5	-	C	91
PCB-39	ND	0.853			PCB-89	2.13	-		
PCB-40	9.63	-			PCB-90	237	-	C	101
PCB-41	61.6	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	24.9	-	C	59	PCB-92	-	-	C084	84
PCB-43	95.8	-	C	49	PCB-93	ND	0.605		
PCB-44	88.2	-			PCB-94	1.05	-	J	
PCB-45	7.76	-			PCB-95	206	-		
PCB-46	3.13	-			PCB-96	1.47	-	J	
PCB-47	33.2	-			PCB-97	77.5	-		
PCB-48	12.7	-	C	75	PCB-98	ND	0.644	C	102
PCB-49	-	-	C043	43	PCB-99	116	-		
PCB-50	ND	0.740			PCB-100	1.56	-	J	

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EPA Method 1668
PCBs

FAL ID: 13376-008-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.56

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	48.2	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.641		
PCB-103	2.66	-			PCB-153	277	-		
PCB-104	ND	0.432			PCB-154	5.10	-		
PCB-105	90.2	-			PCB-155	ND	0.616		
PCB-106	255	-	C	118	PCB-156	33.4	-		
PCB-107	18.8	-	C	108	PCB-157	8.94	-		
PCB-108	-	-	C107	107	PCB-158	36.7	-	C	160
PCB-109	ND	0.500			PCB-159	2.43	-		
PCB-110	264	-			PCB-160	-	-	C158	158
PCB-111	5.27	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.577			PCB-163	-	-	C138	138/164
PCB-114	5.36	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1.52	-	J	
PCB-117	-	-	C087	87/125	PCB-167	14.4	-		
PCB-118	-	-	C	106	PCB-168	ND	0.714		
PCB-119	7.02	-			PCB-169	ND	0.666		
PCB-120	ND	0.473			PCB-170	60.7	-		
PCB-121	ND	0.476			PCB-171	18.9	-		
PCB-122	3.19	-			PCB-172	12.2	-		
PCB-123	5.11	-			PCB-173	2.04	-		
PCB-124	11.5	-			PCB-174	63.4	-		
PCB-125	-	-	C087	87/117	PCB-175	2.95	-		
PCB-126	1.61	-	J		PCB-176	9.24	-		
PCB-127	ND	0.819			PCB-177	40.6	-		
PCB-128	58.5	-	C	162	PCB-178	13.3	-		
PCB-129	16.2	-			PCB-179	26.3	-		
PCB-130	19.7	-			PCB-180	152	-		
PCB-131	9.72	-	C	133	PCB-181	ND	0.654		
PCB-132	78.3	-	C	161	PCB-182	80.5	-	C	187
PCB-133	-	-	C131	131	PCB-183	41.4	-		
PCB-134	16.5	-	C	143	PCB-184	ND	0.480		
PCB-135	34.5	-			PCB-185	6.91	-		
PCB-136	37.5	-			PCB-186	ND	0.505		
PCB-137	22.3	-			PCB-187	-	-	C182	182
PCB-138	333	-	C	163/164	PCB-188	ND	0.592		
PCB-139	212	-	C	149	PCB-189	3.00	-		
PCB-140	2.60	-			PCB-190	14.5	-		
PCB-141	52.1	-			PCB-191	3.07	-		
PCB-142	ND	0.993			PCB-192	ND	0.565		
PCB-143	-	-	C134	134	PCB-193	7.86	-		
PCB-144	11.8	-			PCB-194	28.1	-		
PCB-145	ND	0.638			PCB-195	11.9	-		
PCB-146	40.5	-	C	165	PCB-196	31.0	-	C	203
PCB-147	6.69	-			PCB-197	1.59	-	J	
PCB-148	ND	0.776			PCB-198	1.57	-	J	
PCB-149	-	-	C139	139	PCB-199	29.6	-		
PCB-150	0.904	-	J		PCB-200	4.23	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13376-008-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-CORE
Matrix: Sediment
Batch No: X5495

Date Extracted: 10-22-2020
Date Received: 10-02-2020
Amount: 10.00 g
% Solids: 99.56

ICal: DAILY209FAL4-10-28-20
GC Column: DB1MS
Units: pg/g

Acquired: 10-28-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	4.37	-		
PCB-202	6.92	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.600		
PCB-205	2.07	-		
PCB-206	13.2	-		
PCB-207	1.62	-	J	
PCB-208	3.59	-		
PCB-209	7.92	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	84.5	5.00 - 145	
13C-PCB-3	80.1	5.00 - 145	
13C-PCB-4	97.1	5.00 - 145	
13C-PCB-15	106	5.00 - 145	
13C-PCB-19	86.5	5.00 - 145	
13C-PCB-37	118	5.00 - 145	
13C-PCB-54	93.9	5.00 - 145	
13C-PCB-77	104	10.0 - 145	
13C-PCB-81	108	10.0 - 145	
13C-PCB-104	83.9	10.0 - 145	
13C-PCB-105	111	10.0 - 145	
13C-PCB-114	113	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	112	10.0 - 145	
13C-PCB-126	109	10.0 - 145	
13C-PCB-155	85.2	10.0 - 145	
13C-PCB-156	99.4	10.0 - 145	
13C-PCB-157	104	10.0 - 145	
13C-PCB-167	106	10.0 - 145	
13C-PCB-169	105	10.0 - 145	
13C-PCB-188	84.9	10.0 - 145	
13C-PCB-189	83.0	10.0 - 145	
13C-PCB-202	82.8	10.0 - 145	
13C-PCB-205	97.4	10.0 - 145	
13C-PCB-206	85.6	10.0 - 145	
13C-PCB-208	95.1	10.0 - 145	
13C-PCB-209	77.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	109	5.00 - 145	
13C-PCB-111	88.7	10.0 - 145	
13C-PCB-178	81.0	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: 11/4/2020

Reviewed By: DPV

Date: 11/4/2020

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

FAL USE ONLY

Laboratory Project No.: 13376

Temperature: 0 °C

Chain of Custody

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

CLIENT INFORMATION

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

INVOICE INFORMATION (if different from client info)

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

PROJECT INFORMATION

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

REPORT INFORMATION

Report Level: ☐ I/II ☐ III ☑ IV

☑ EDD: ☐ FAL Basic ☐ Geotracker ☑ Other: FSI ☐ Custom: Contact FAL

☐ California State Drinking Water Form
System #: Source #:
Sampler: Employer:

REPORT DISTRIBUTION (email only is preferred)

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

ADDITIONAL INSTRUCTIONS

EDD format should be as developed with 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	LDW-Y3-IN-ENR-CA-CORE	10/1/20	1040	sediment	1											hold
2	LDW-Y3-IN-ENR-CB-CORE	10/1/20	1020	sediment	1								✓			OFF Hold 10/20/2020
3	LDW-Y3-IN-ENR-CC-CORE	10/1/20	1025	sediment	1								✓			OFF Hold 10/20/2020
4	LDW-Y3-IN-ENR-CD-CORE	10/1/20	1030	sediment	1								✓			OFF Hold 10/20/2020
5	LDW-Y3-IN-ENR-CE-CORE	10/1/20	1045	sediment	1											hold
6	LDW-Y3-IN-ENR+AC-CA-CORE	10/1/20	1050	sediment	1								✓			OFF Hold 10/20/2020
7	LDW-Y3-IN-ENR+AC-CB-CORE	10/1/20	1055	sediment	1								✓			OFF Hold 10/20/2020
8	LDW-Y3-IN-ENR+AC-CC-CORE	10/1/20	1100	sediment	1								✓			OFF Hold 10/20/2020
9	LDW-Y3-IN-ENR+AC-CD-CORE	10/1/20	1105	sediment	1											hold
10	LDW-Y3-IN-ENR+AC-CE-CORE	10/1/20	1110	sediment	1											hold
11	2,3,4,6,7,8 OFF Hold per Gretchen to Kathy via email. 10/20/2020															
12																
13																
14																
15																

2 3 4 6 7 8

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

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Gretchen Heavner	10/1/20	1115		10-1-20	1115
			K Christensen	10-2-20	10:30AM

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

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

Kathy Zipp

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

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

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

Sample ID	Sample Collection Date
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	

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Sample Login Form

FAL Project ID: **13376**

Client:	Floyd | Snider
Client Project ID:	LY15160310
Date Received:	10/02/2020
Time Received:	10:30 am
Received By:	KC
Logged In By:	KC
# of Samples Received:	10
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	UPS
Tracking Number:	1Z33A9850137703513
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

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~~- ON HOLD -~~ KZ 10/20/2020

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PROJECT REQUEST SHEET

Project #:	13376	Sample #:	~~1 - 10~~ 2, 3, 4, 6, 7, 8	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	10/01/2021
Matrix:	Sediment	Extraction Batch:	5495	Due Date:	~~10/26/2020~~ 11/10/2020 KZ 10/20/2020
Method:	EPA 1668 PCB			Storage:	R-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13376

Extract/s located in box: "Sniffles"

Standards: 13376

Instrument:

DB5MS	____
007-225	
DB1MS	FA(1)
Other	____

L4, F|S EDD.

Frontier Analytical Laboratory
Percent Solids

FAL Project: 13376

Sample ID	Chemist	Start Date	Start Time	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv	Wet Wt Oven Temp	Dry Wt Oven Temp	End Date	End Time	Boat Wt (g)	
13376-001-0001-SA													ON HOLD
13376-002-0001-SA	RR	10.21.20	1030	9.01g	8.92g	99.00%	10.10g	112.1°c	114.8°c	10.22.20	1345	0.79g	
13376-003-0001-SA	↓	↓	↓	7.71g	7.59g	98.44%	10.16g	↓	↓	↓	↓	0.79g	
13376-004-0001-SA	↓	↓	↓	7.62g	7.55g	99.08%	10.09g	↓	↓	↓	↓	0.79g	
13376-005-0001-SA													ON HOLD
13376-006-0001-SA	RR	10.21.20	1030	7.60g	7.55g	99.34%	10.07g	112.1°c	114.8°c	10.22.20	1345	0.77g	
13376-007-0001-SA	↓	↓	↓	8.57g	8.48g	98.95%	10.11g	↓	↓	↓	↓	0.81g	
13376-008-0001-SA	↓	↓	↓	11.45g 12.24g	11.40g	99.56%	10.04g	↓	↓	↓	↓	0.77g	
13376-009-0001-SA													ON HOLD
13376-010-0001-SA													

% 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.

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EXTRACTION SHEET

Project #: 13376 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					
05495-001-0001-OPR					
13376-002-0001-SA	10.11g	10.01g	KC RR 10.22.20	NA	KC RR 10.23.20
13376-003-0001-SA	10.18g	10.02g	↓	↓	↓
13376-004-0001-SA	10.09g	10.00g			
13376-006-0001-SA	10.10g	10.03g			
13376-007-0001-SA	10.25g	10.14g			
13376-008-0001-SA	10.04g	10.00g			

13237

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 #: 13376

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
13237 05495-001-0001-MB				
05495-001-0001-OPR				
13376-002-0001-SA	KC 10-23-20	NA	NA	KC RR 10-23-20
13376-003-0001-SA				
13376-004-0001-SA				
13376-006-0001-SA				
13376-007-0001-SA				
13376-008-0001-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

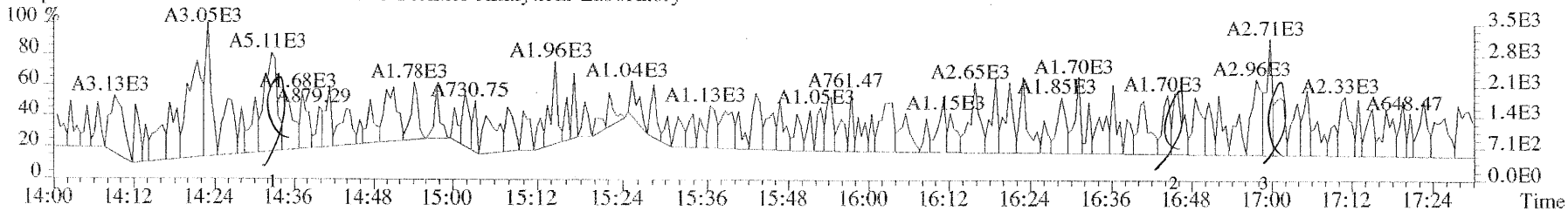
PCB-127	*	*	n	NotFnd	1.16	*	1220	1310	0.781				
PCB-126	*	*	n	NotFnd	1.18	*	1220	1310	0.884				
13C-PCB-126	2.80e+07	1.62	y	42:02	1.57	873				87.3	3.74e+06	2.30e+06	
PCB-151	*	*	n	NotFnd	0.98	*	840	651	0.752				
PCB-135	*	*	n	NotFnd	0.91	*	840	651	0.806				
PCB-144	*	*	n	NotFnd	1.12	*	840	651	0.658				
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: ST102720Z1 EndCal: ST102720Z2
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
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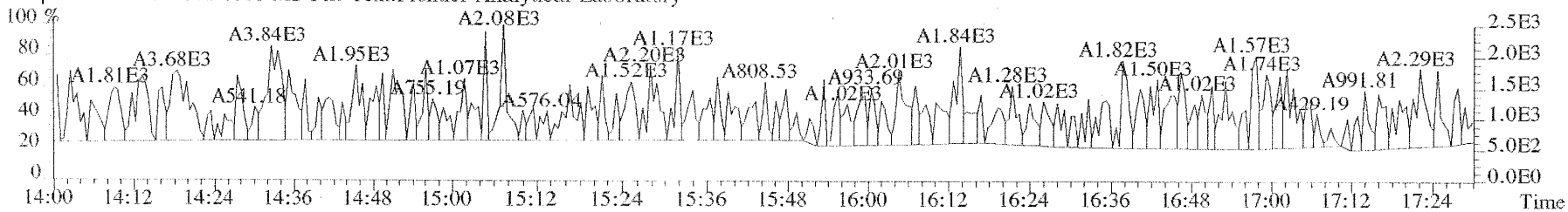

File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
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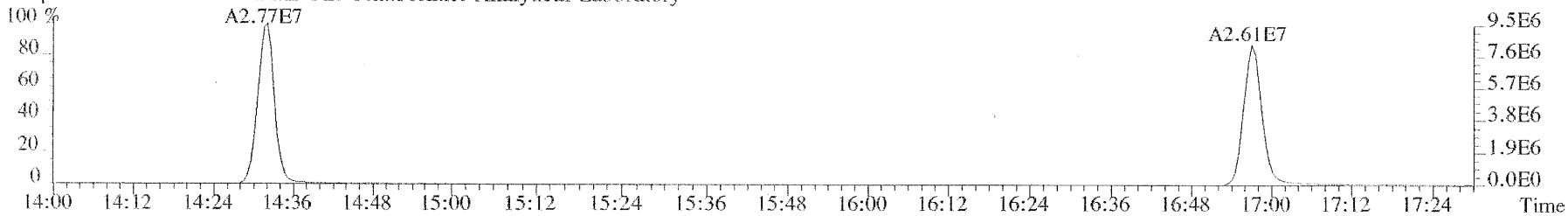

File:27OCT20Z #1-784 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
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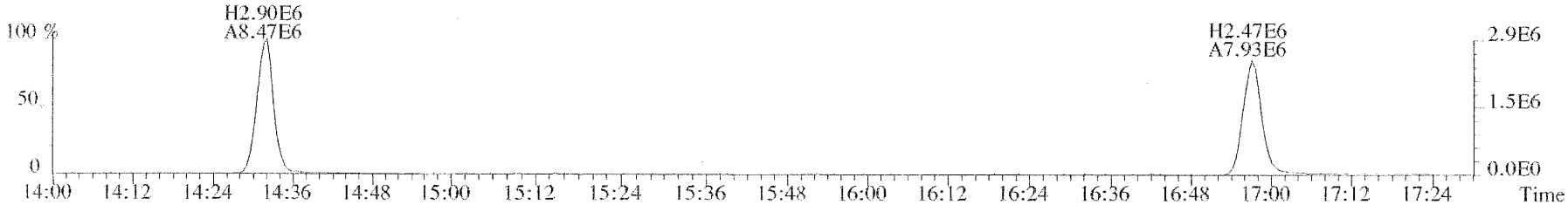
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
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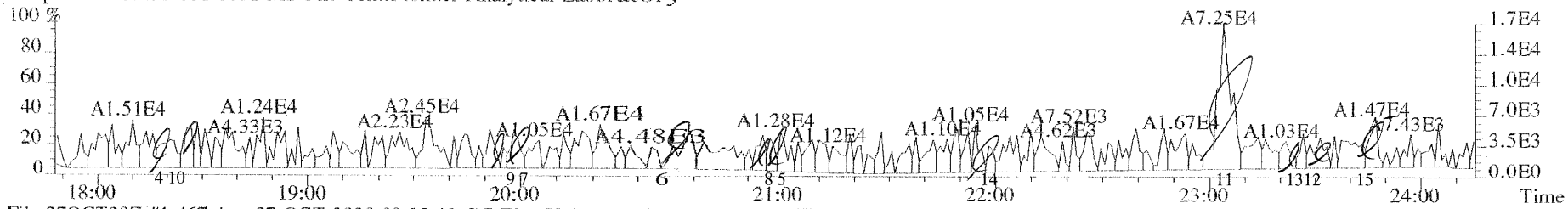
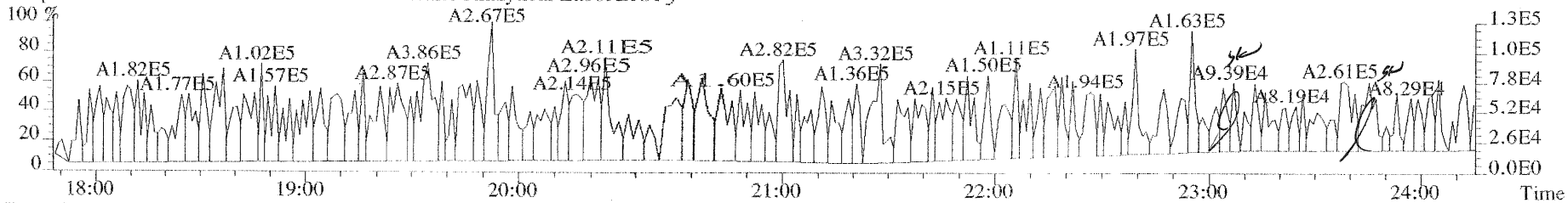
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



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
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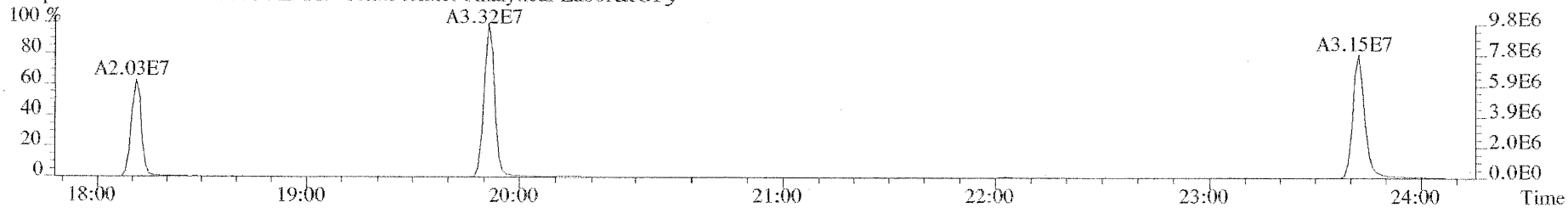
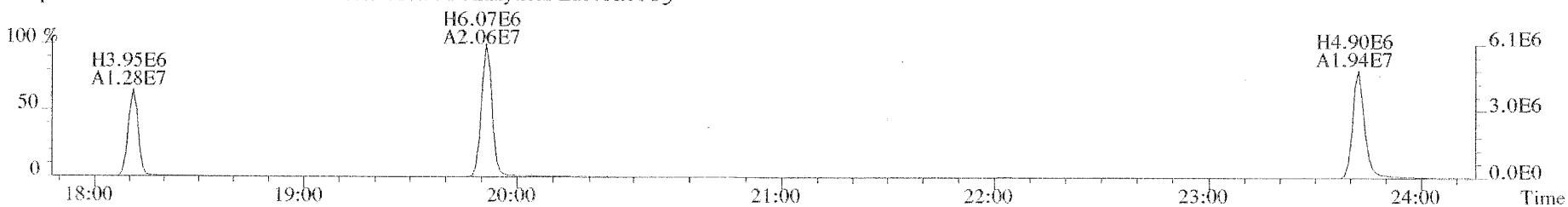
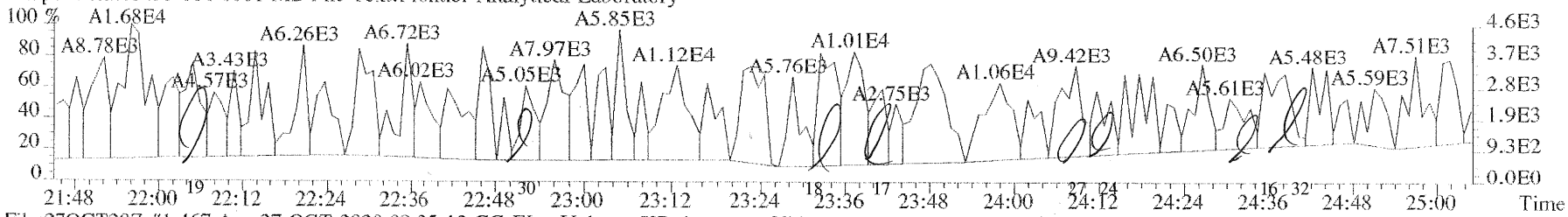
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



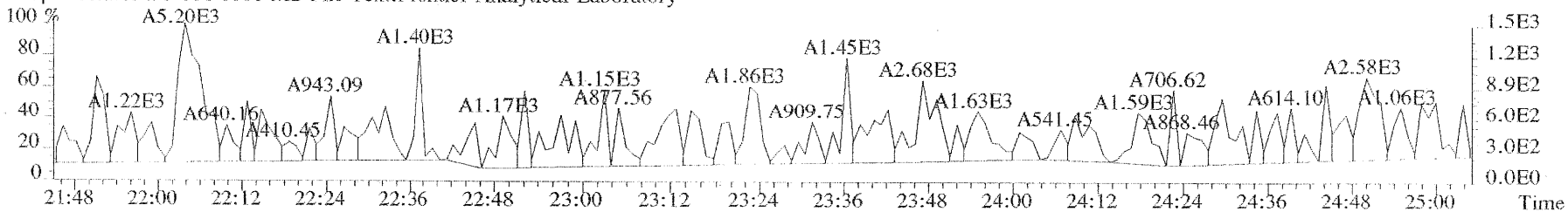
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



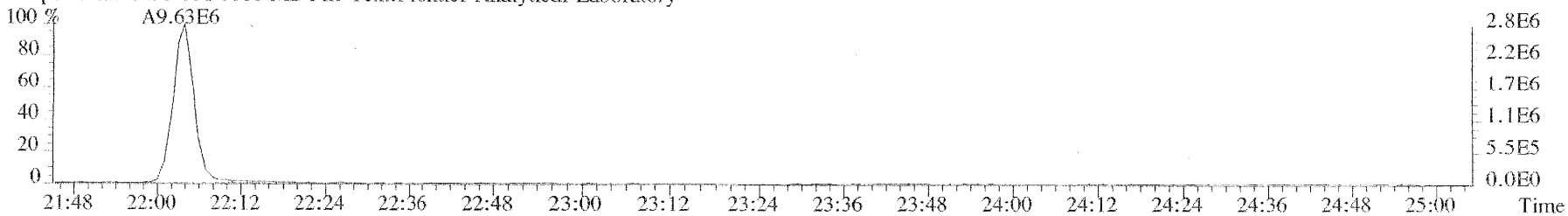
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



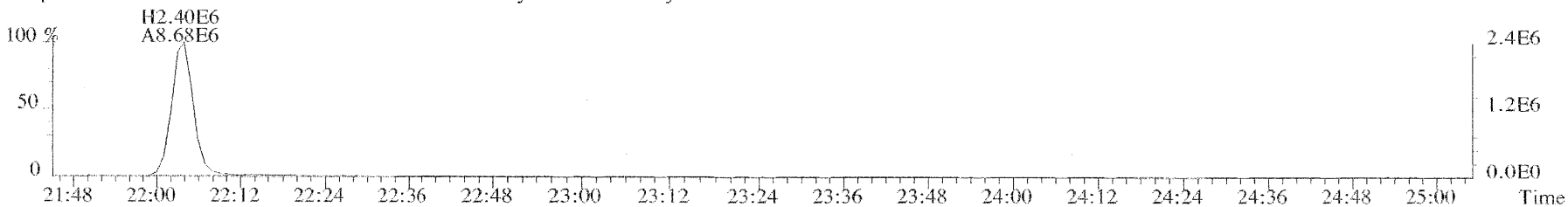
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



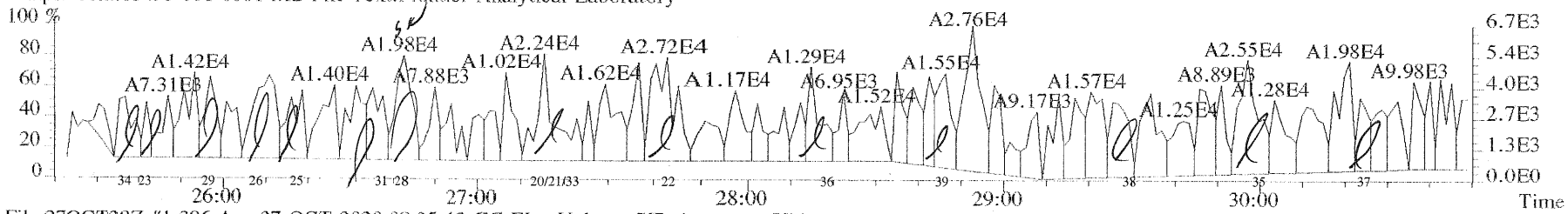
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



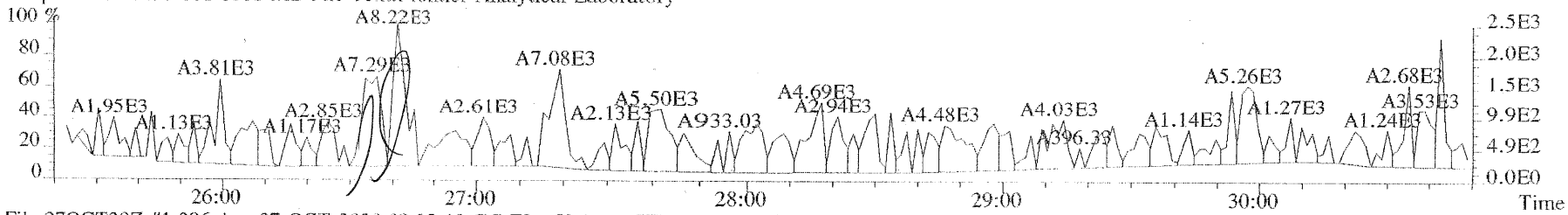
File:27OCT20Z #1-467 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



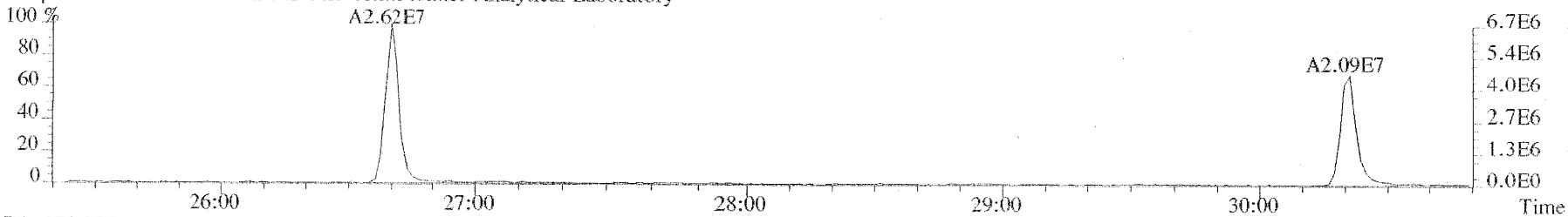
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



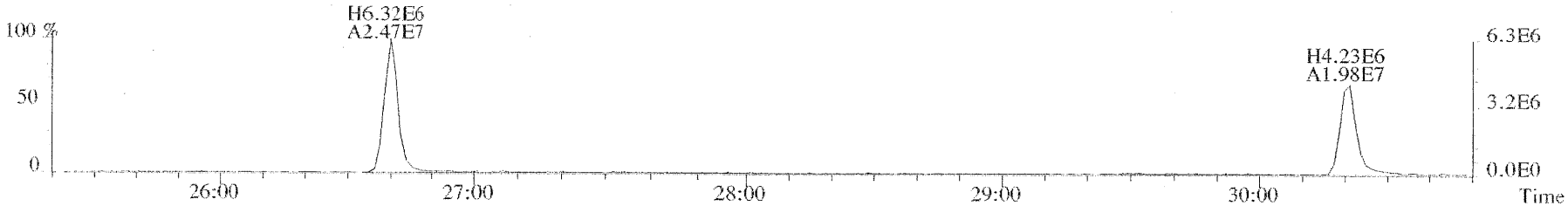
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



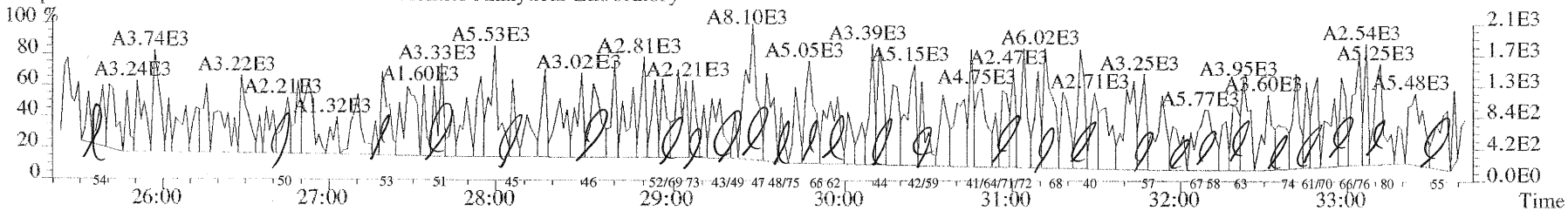
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



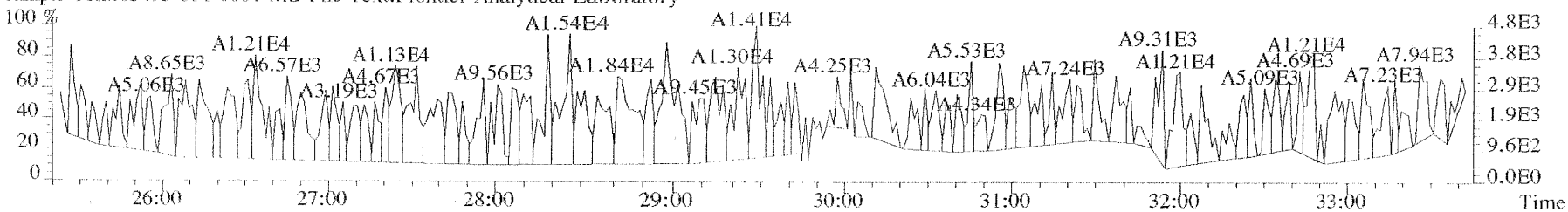
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



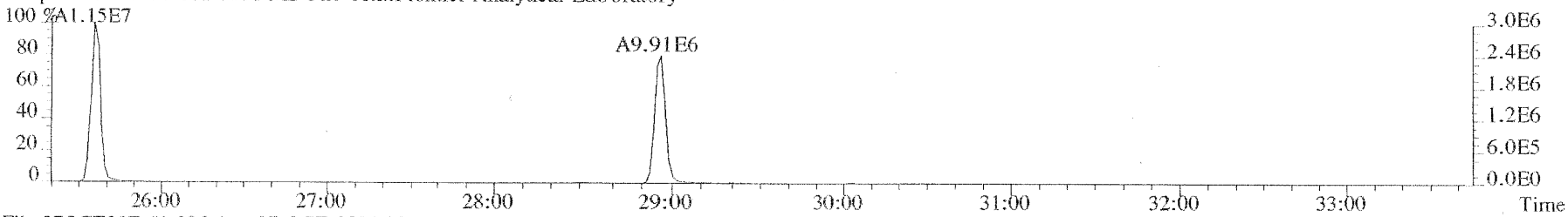
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



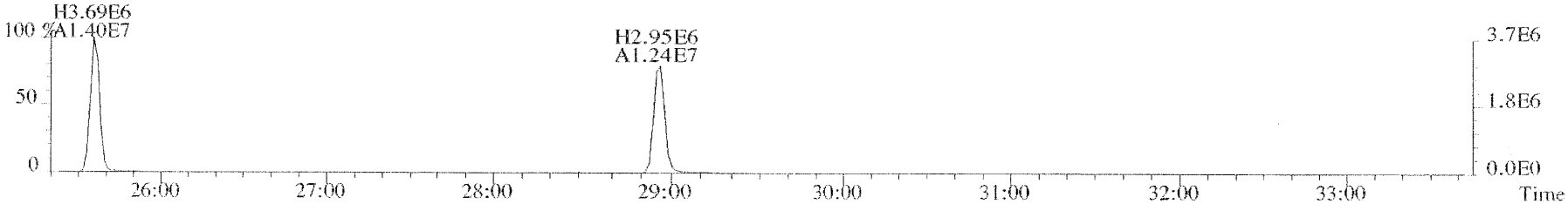
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



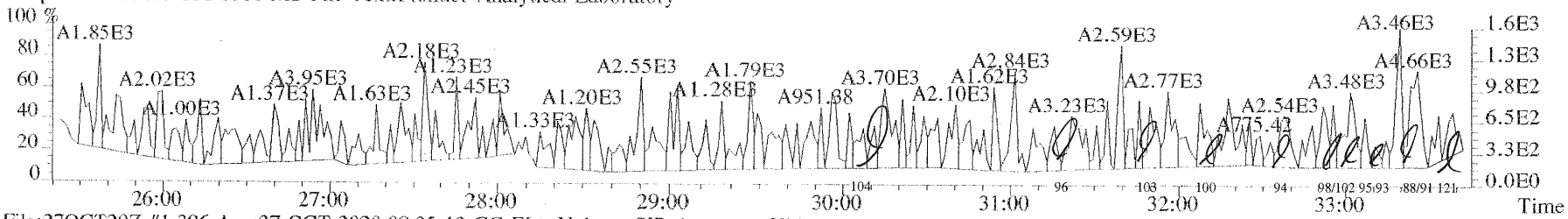
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



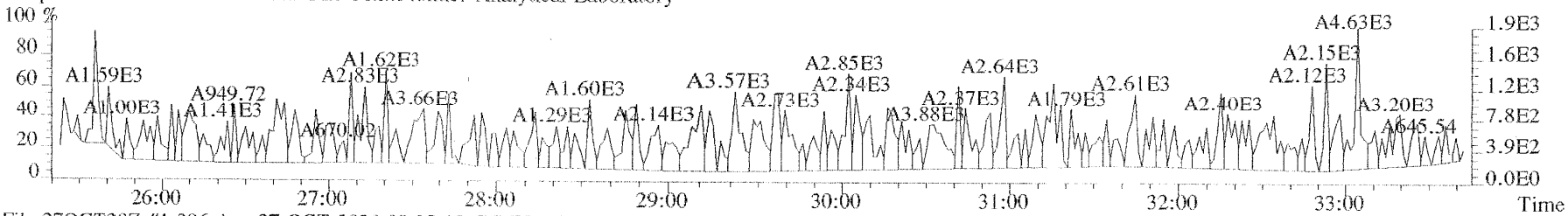
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



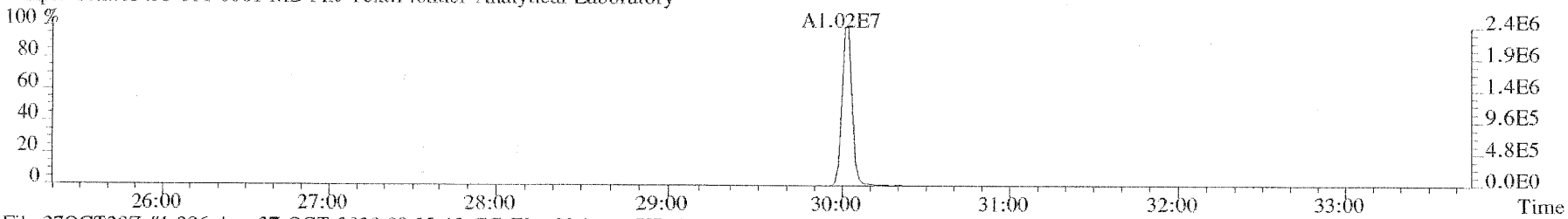
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



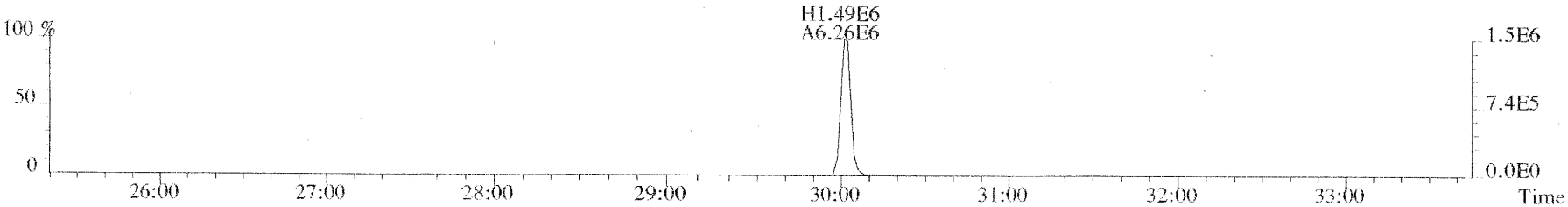
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



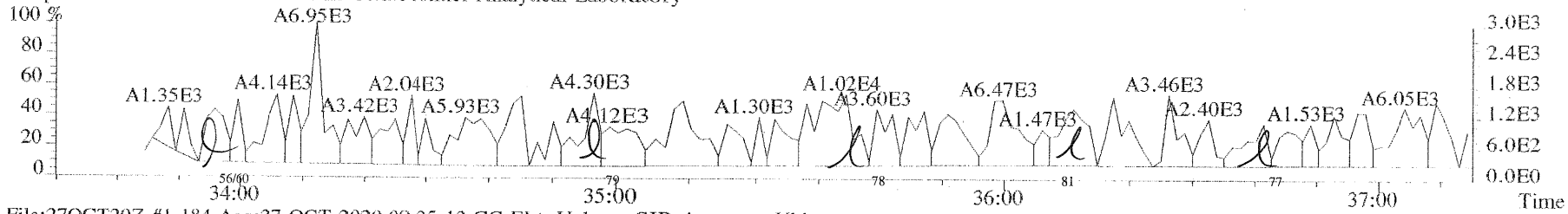
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



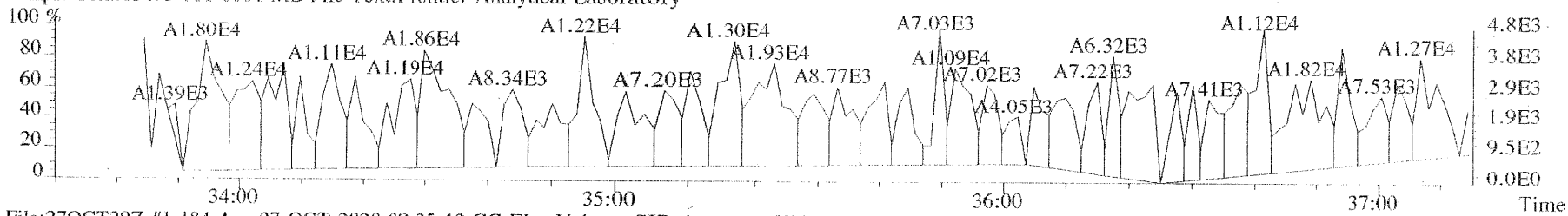
File:27OCT20Z #1-396 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



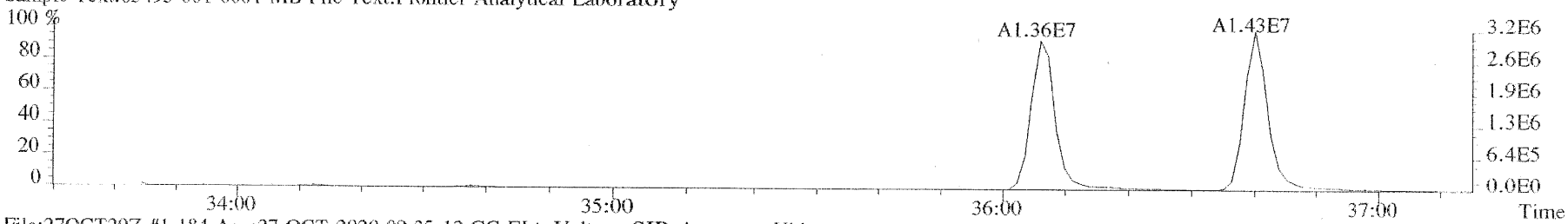
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



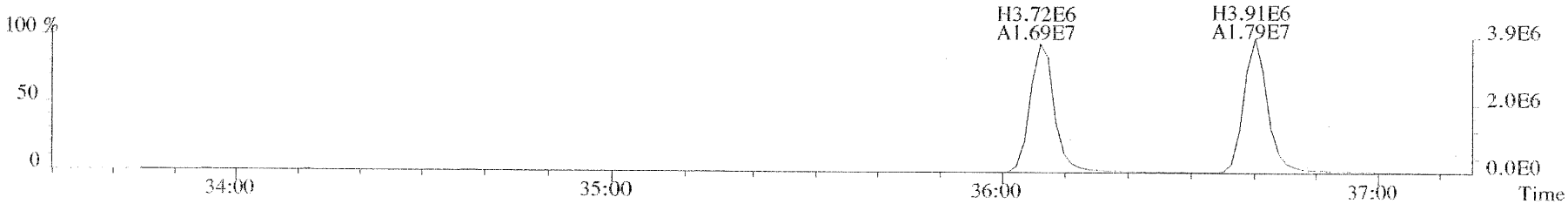
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



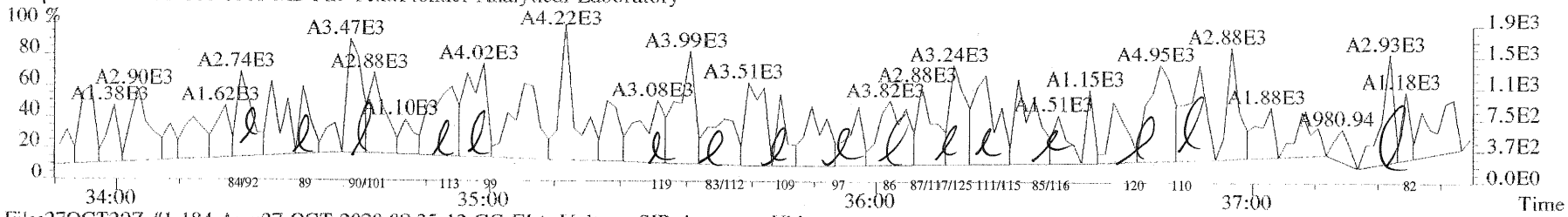
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



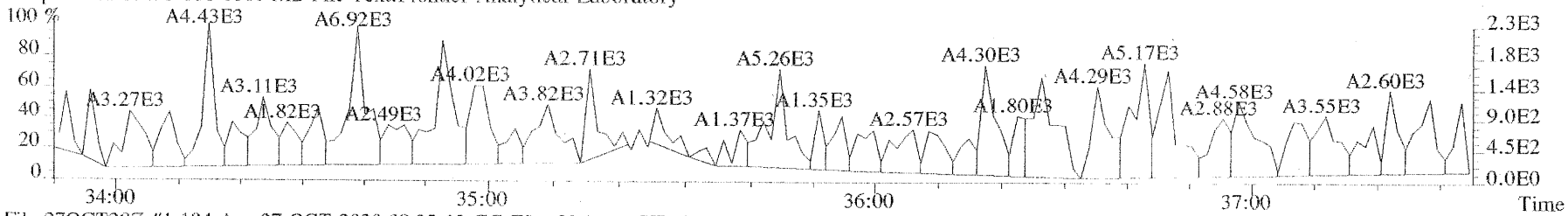
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



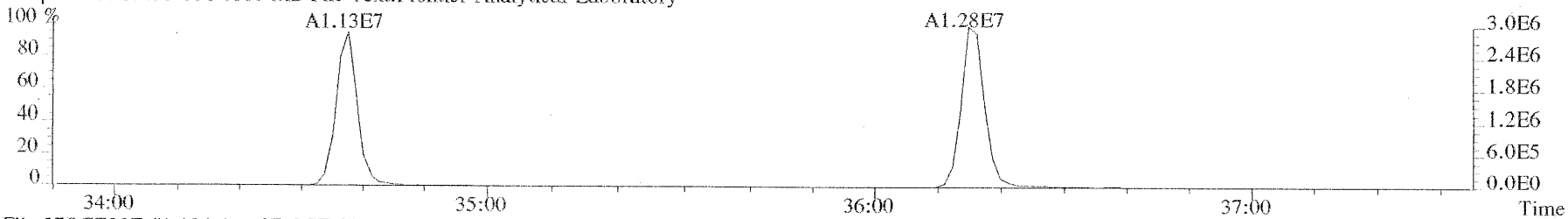
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



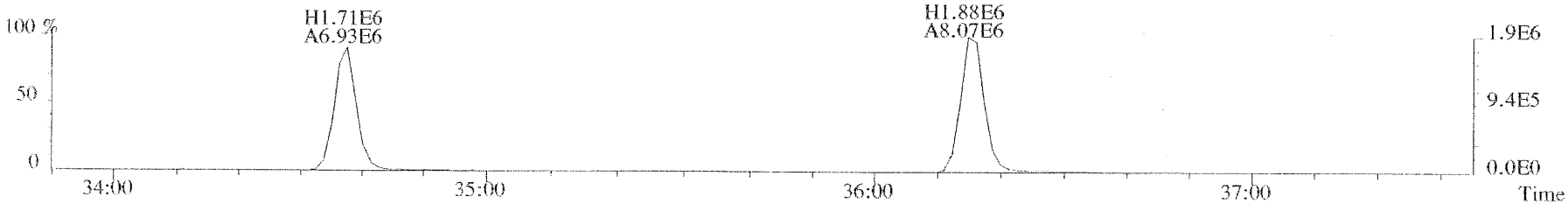
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



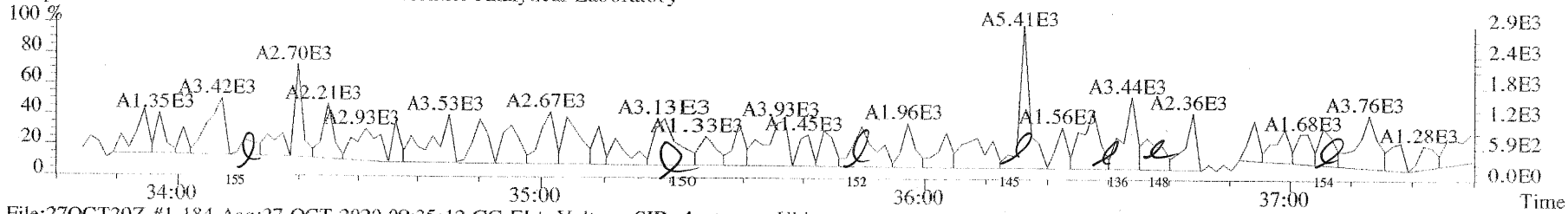
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



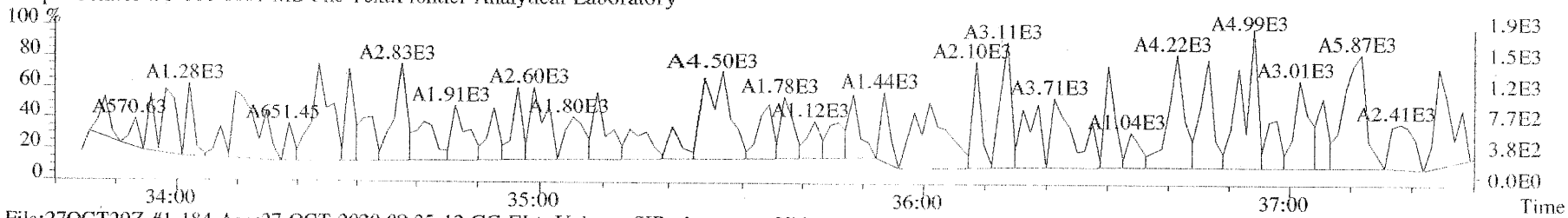
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



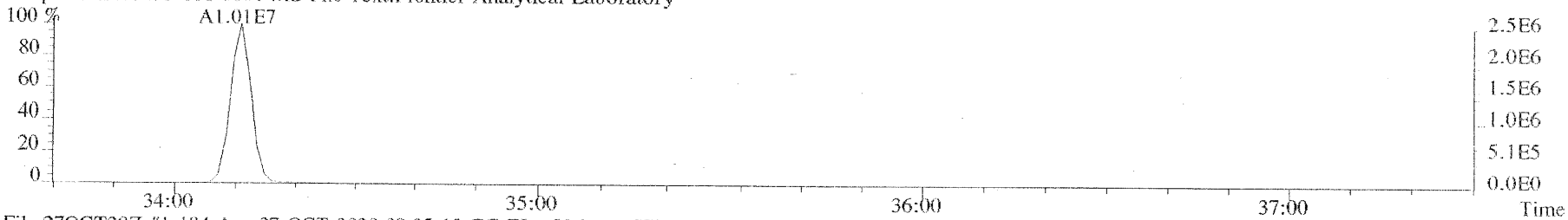
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



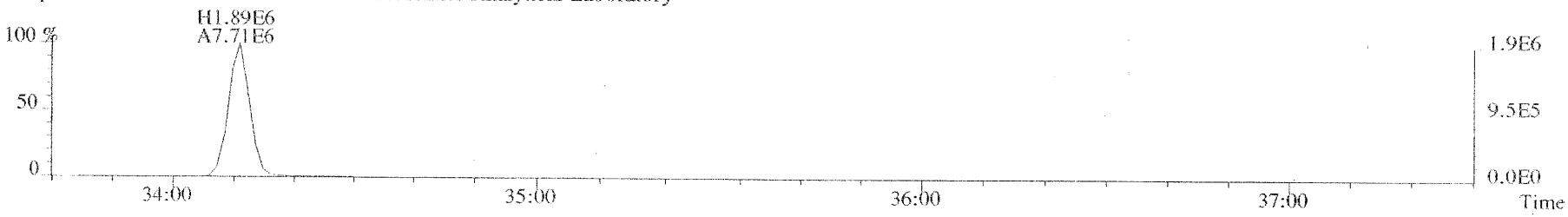
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



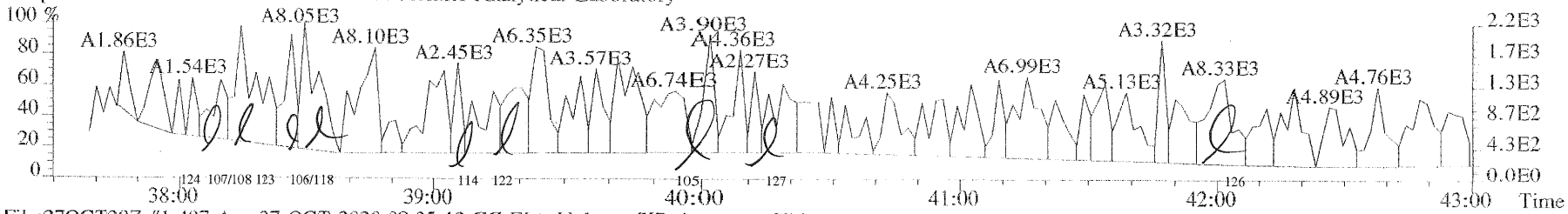
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



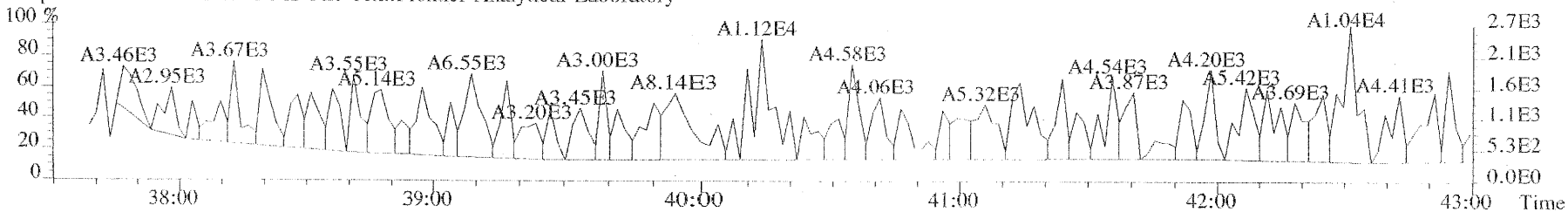
File:27OCT20Z #1-184 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



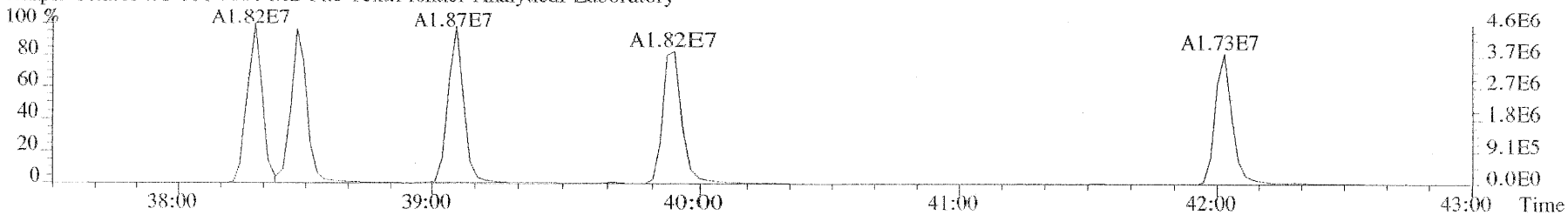
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



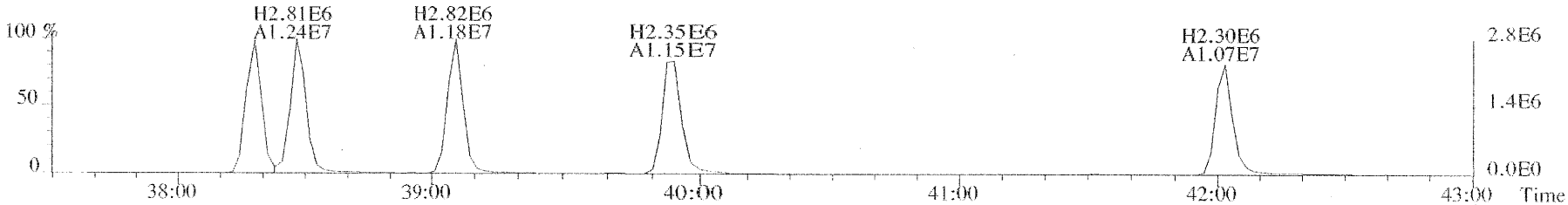
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



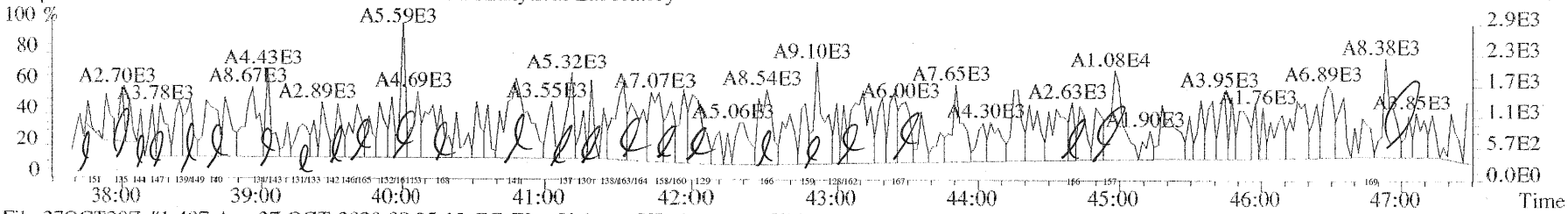
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



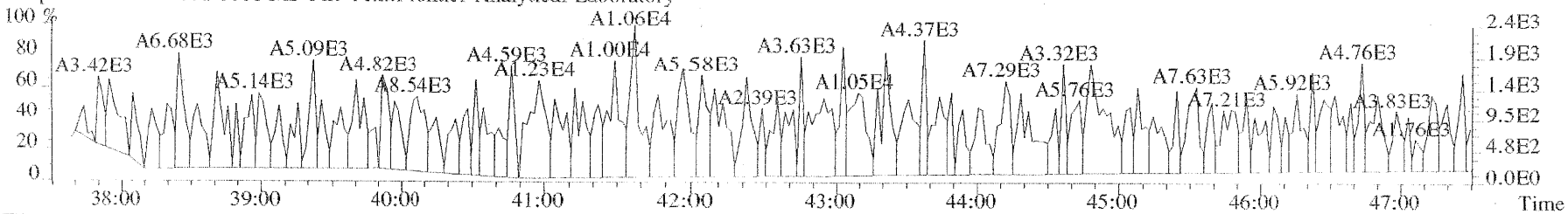
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



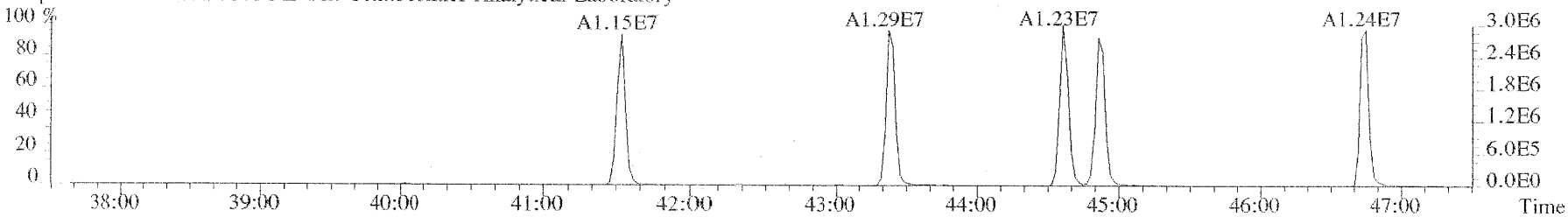
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



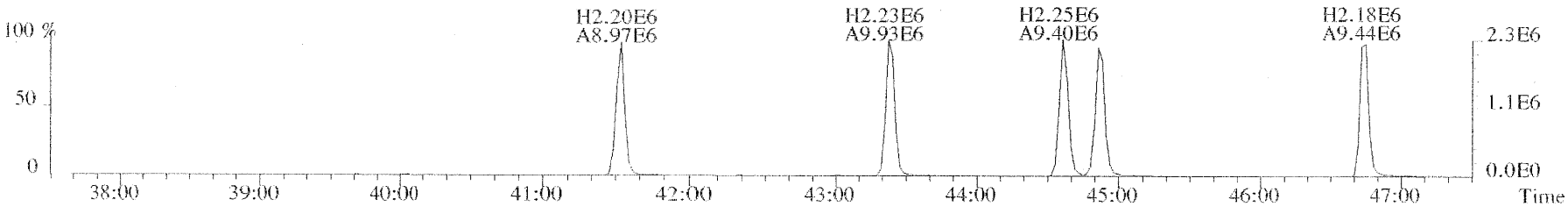
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



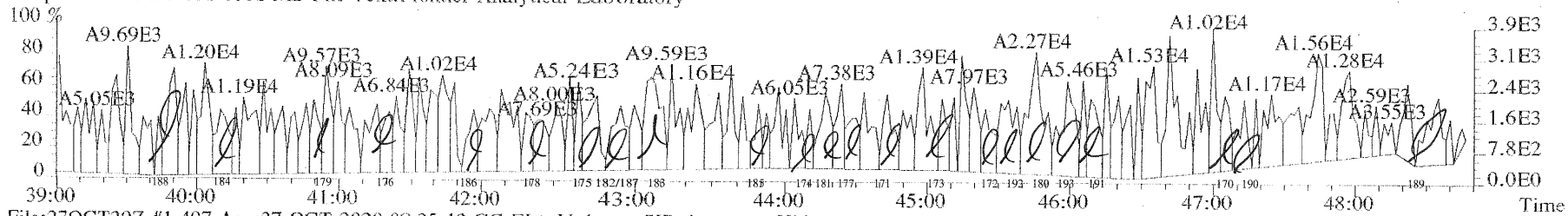
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



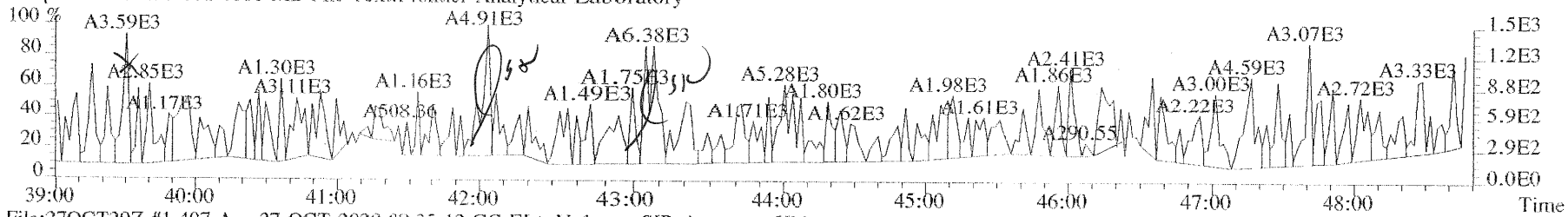
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



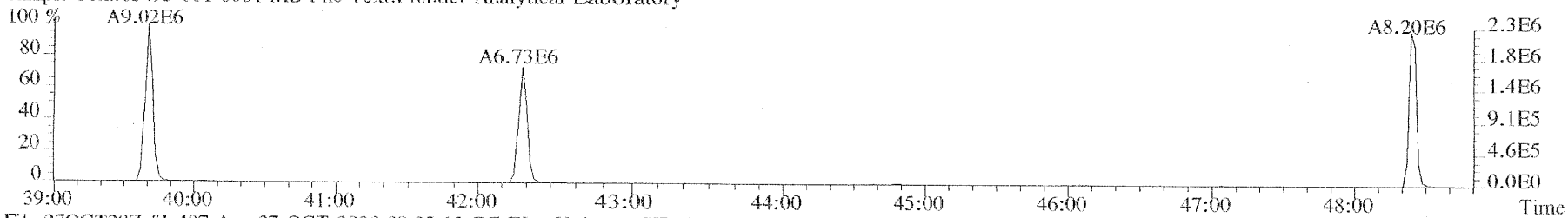
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



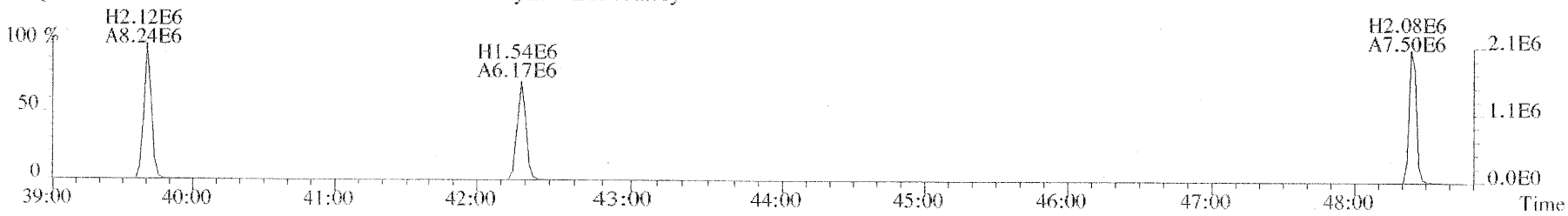
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



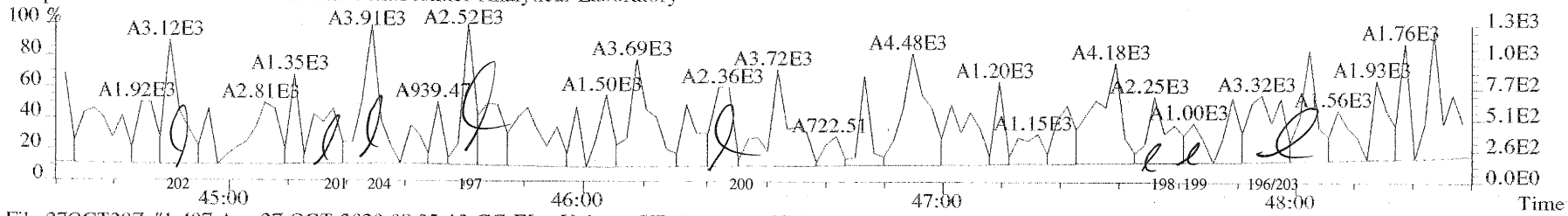
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



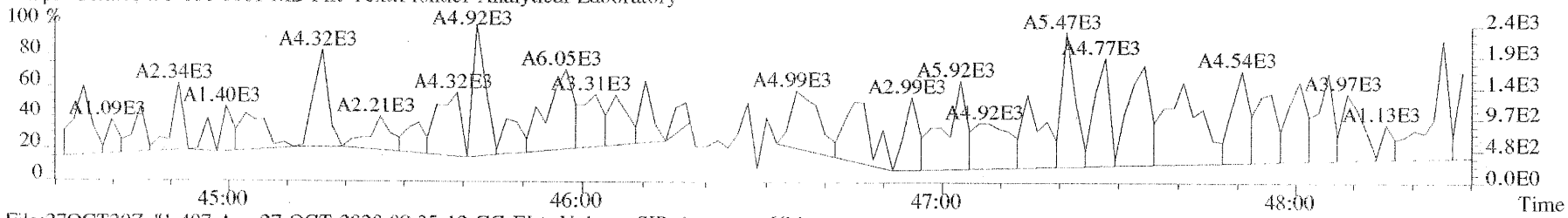
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



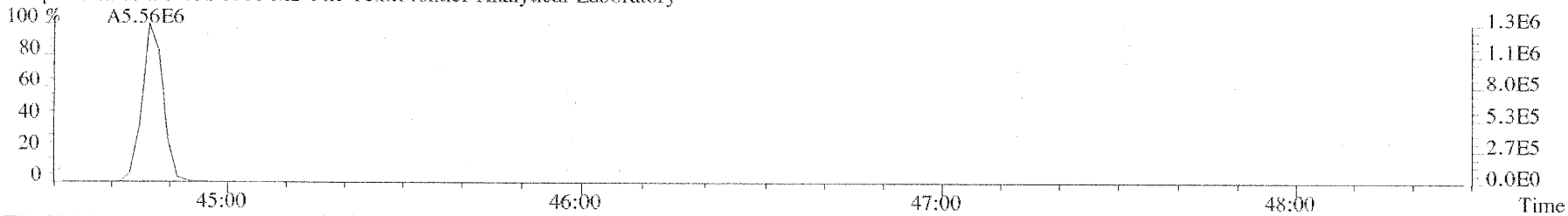
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



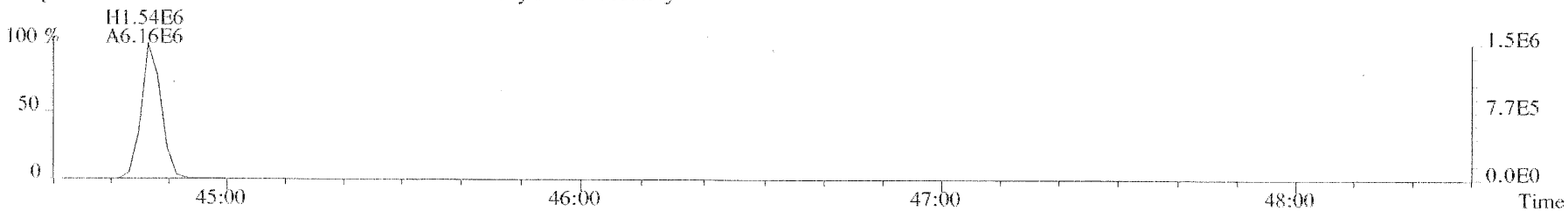
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



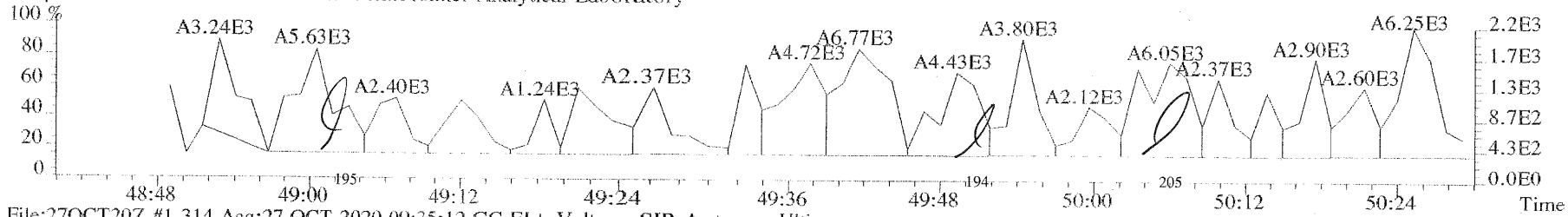
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



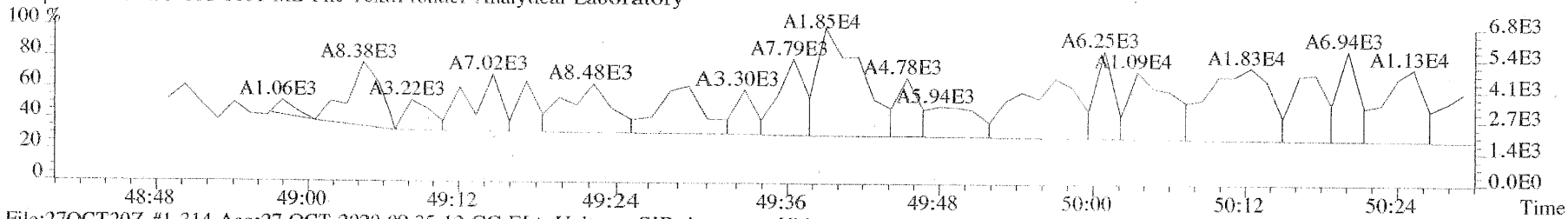
File:27OCT20Z #1-407 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



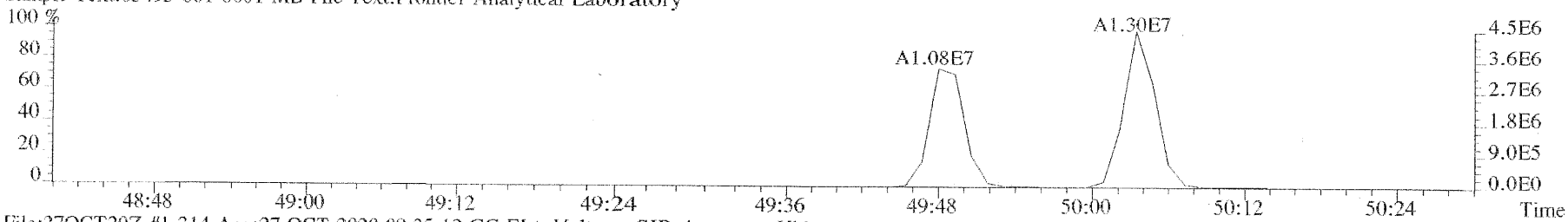
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



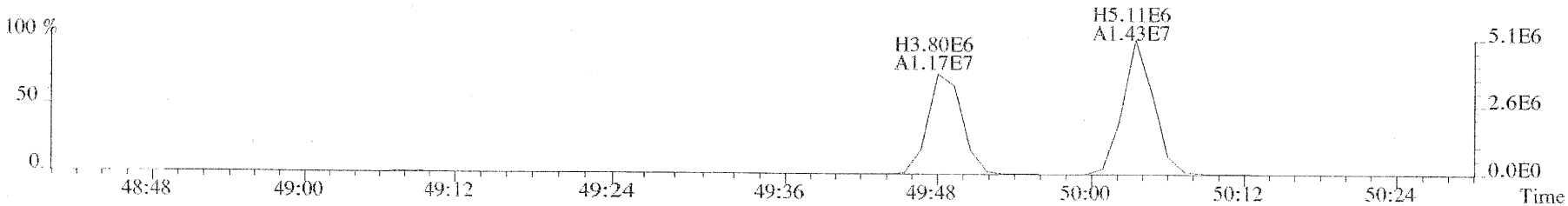
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



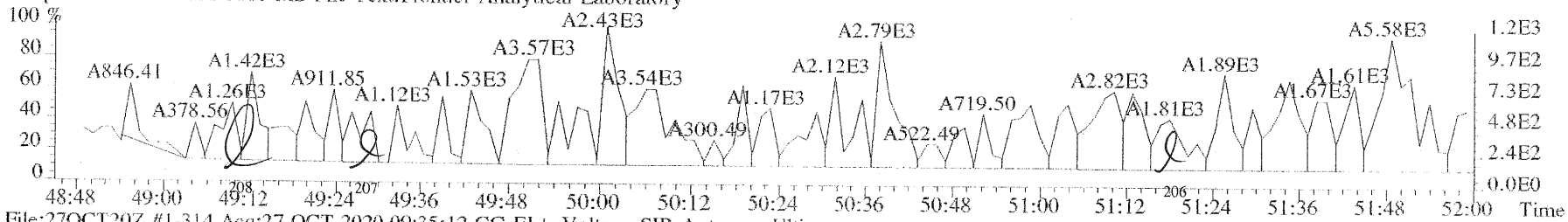
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



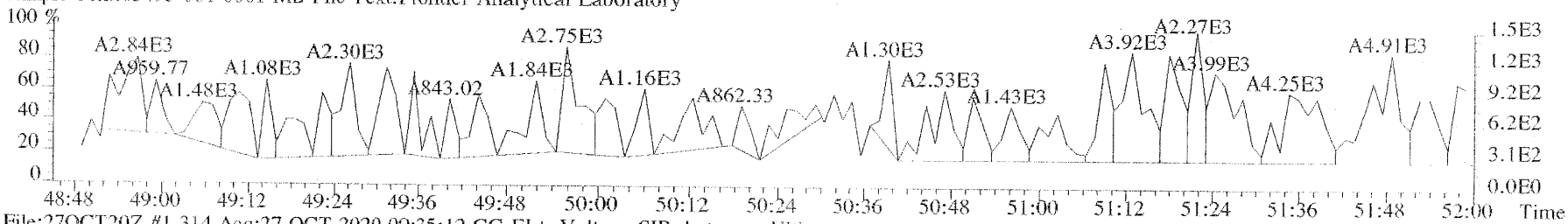
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



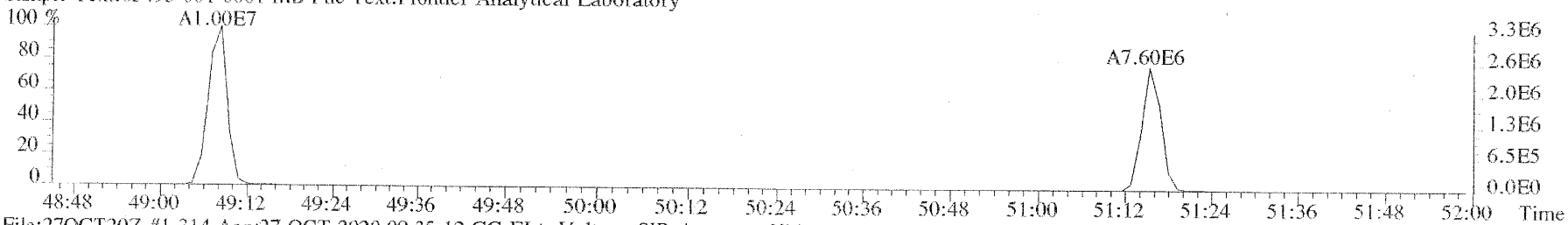
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



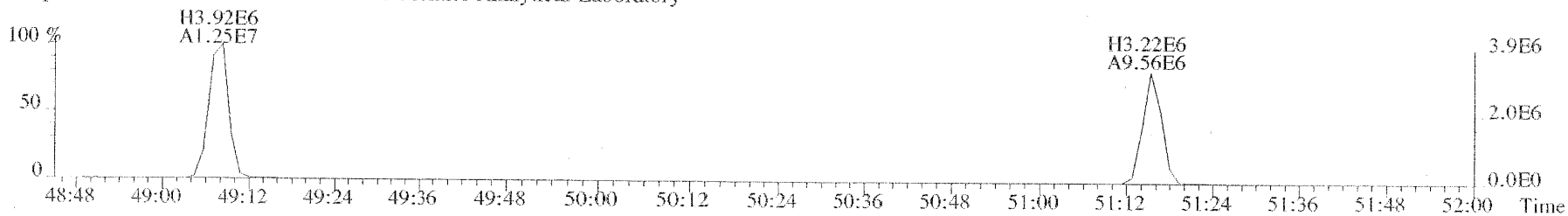
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



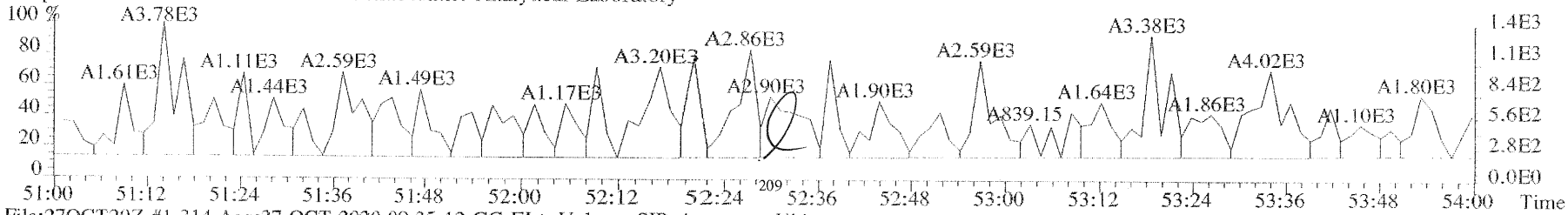
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



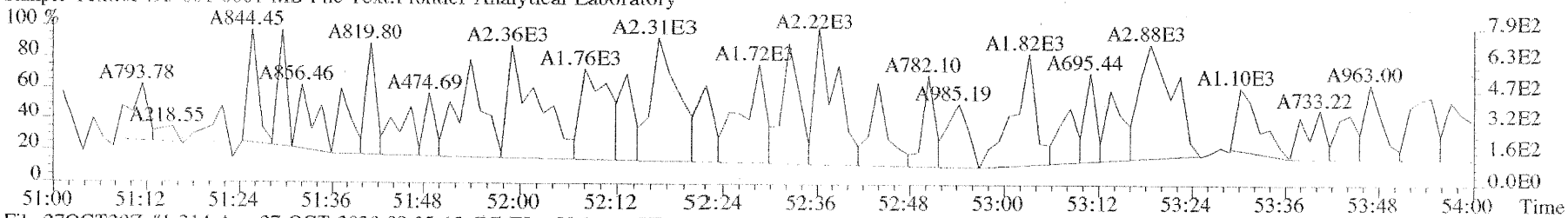
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



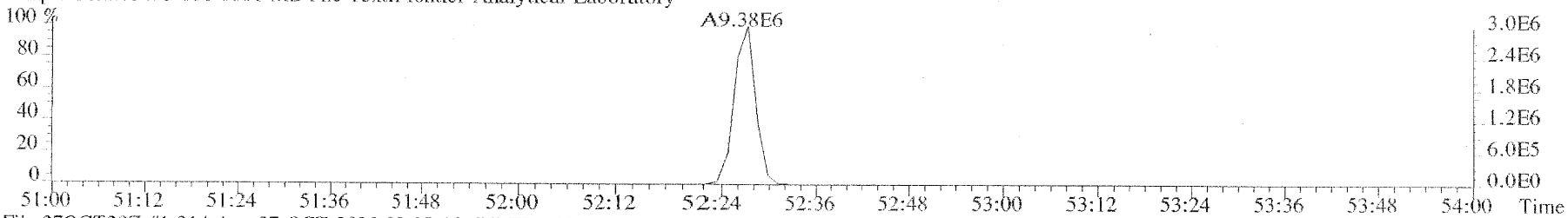
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



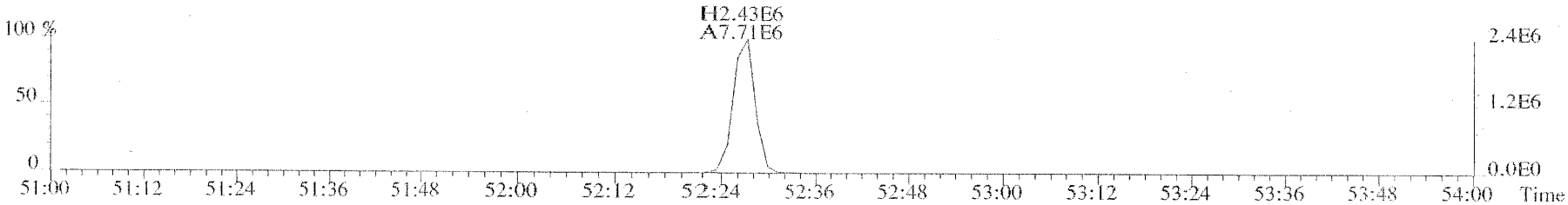
File:27OCT20Z #1-314 Acq:27-OCT-2020 09:35:12 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-MB File Text:Frontier Analytical Laboratory



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: _____ 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

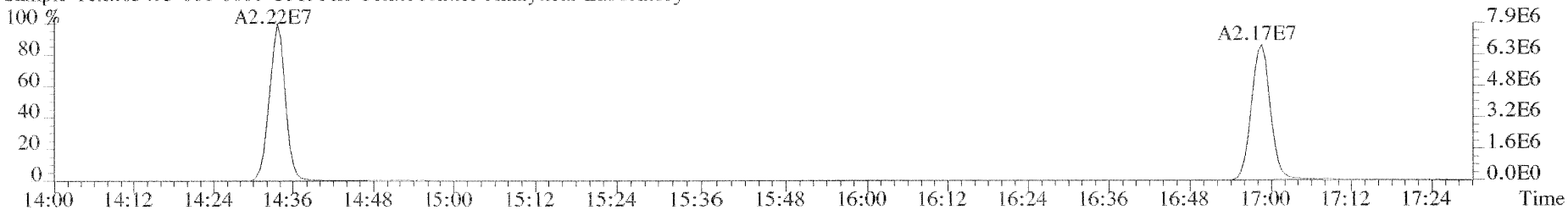
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.90e+07	3.26 y	14:33	1.37	52.1		2.50	-	-	*	
13C-PCB-1	4.08e+07	3.28 y	14:32	0.75	88.0		2.50				88.0
PCB-3	2.85e+07	3.18 y	16:59	1.35	52.6		2.50	-	-	*	
13C-PCB-3	3.99e+07	3.31 y	16:57	0.74	87.0		2.50				87.0
PCB-4	2.24e+07	1.47 y	18:13	1.14	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: ST10272021 EndCal: ST10272022
Results: 13373-13 GC Column: DB1MS Amount: 1.000

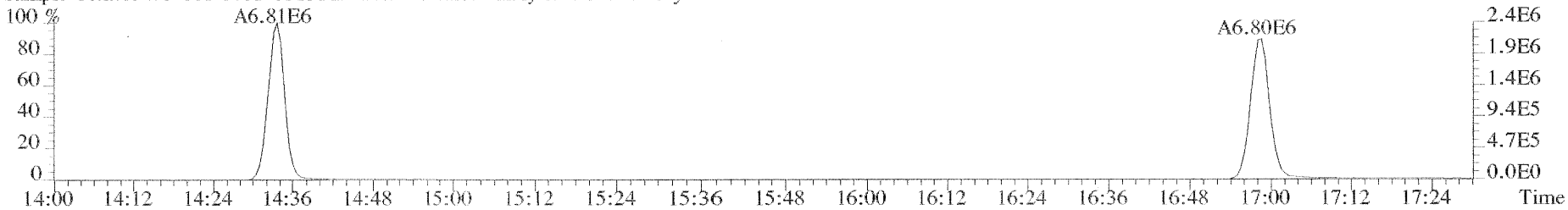
PCB-205	1.87e+07	0.92 y	50:05	1.17	51.4	2.50	-	-	*	
13C-PCB-205	3.11e+07	0.90 y	50:03	1.20	96.8	2.50				96.8
PCB-208	1.46e+07	1.38 y	49:08	1.13	50.7	2.50	-	-	*	
13C-PCB-208	2.55e+07	0.82 y	49:08	0.98	97.6	2.50				97.6
PCB-206	1.12e+07	1.35 y	51:17	1.19	48.7	2.50	-	-	*	
13C-PCB-206	1.93e+07	0.80 y	51:15	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: 11/3/20

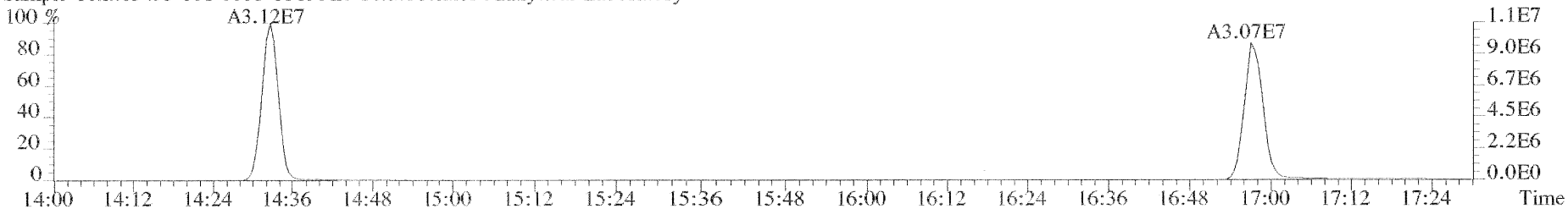
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



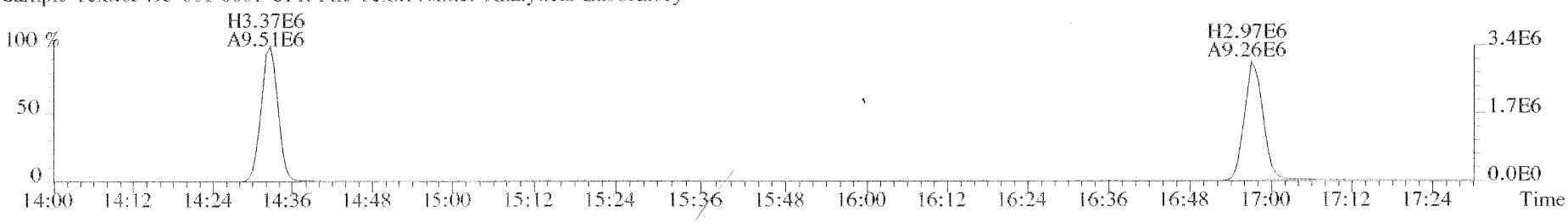
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



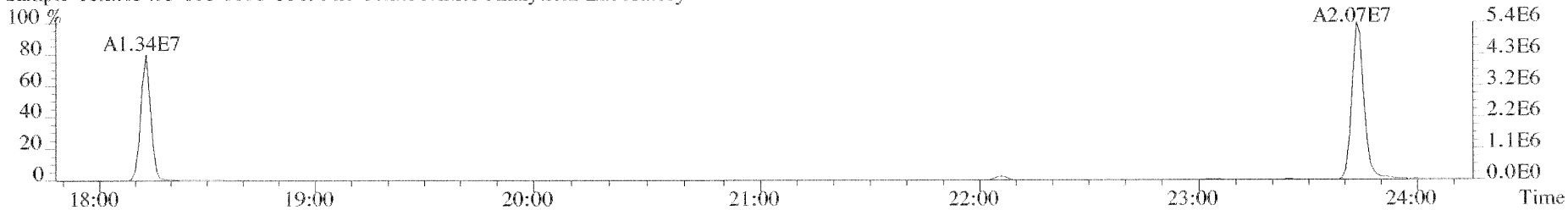
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



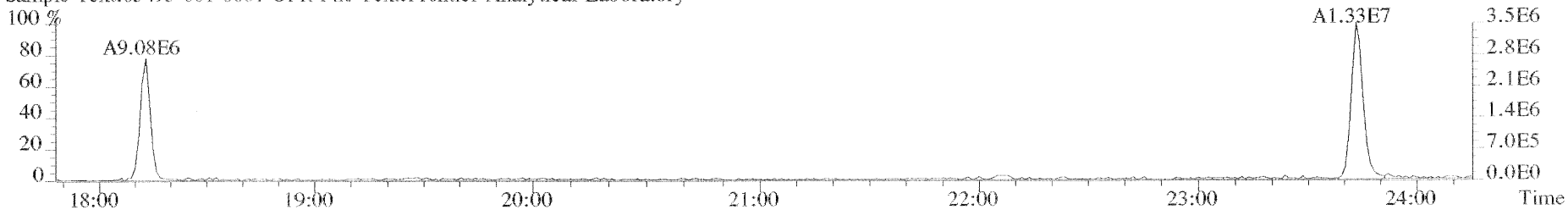
File:27OCT20Z #1-784 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



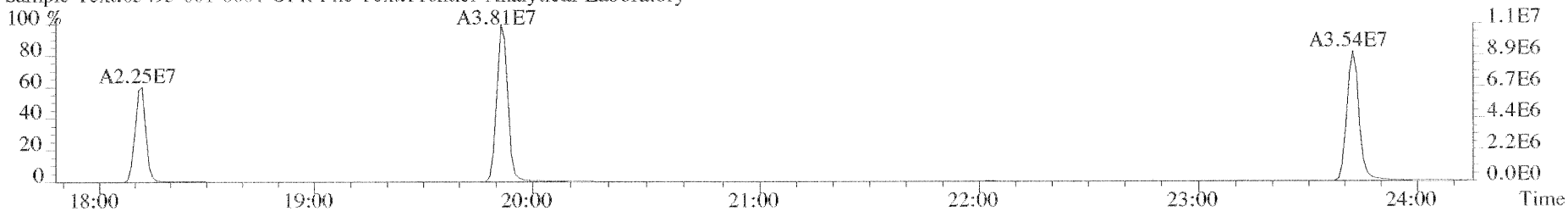
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



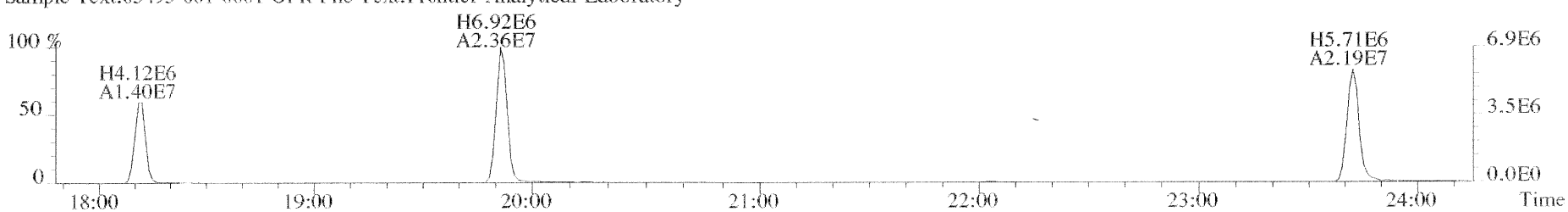
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



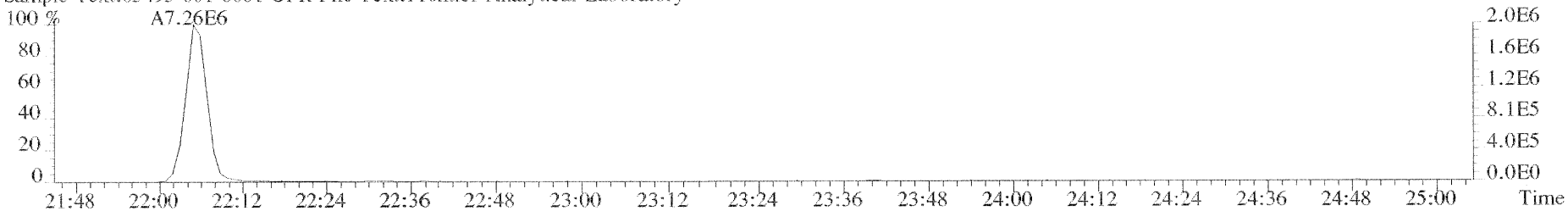
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



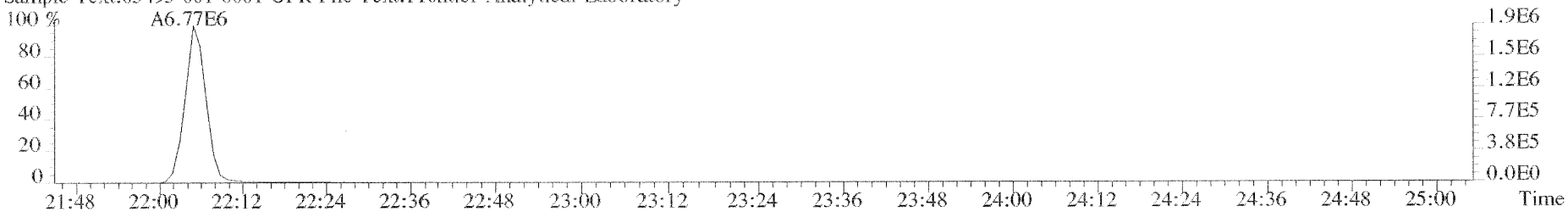
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



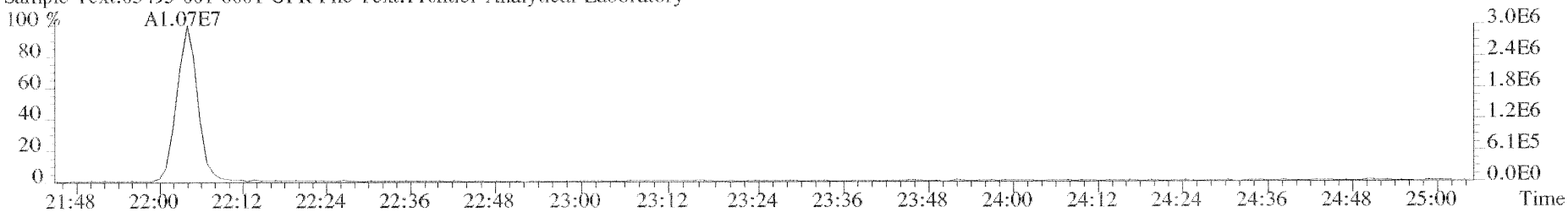
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



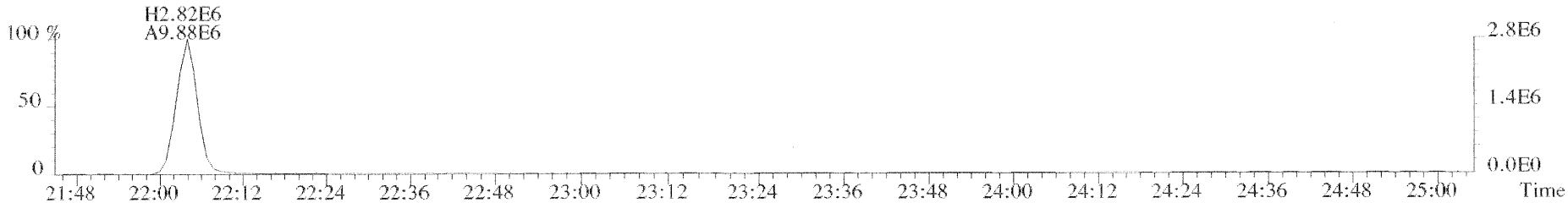
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



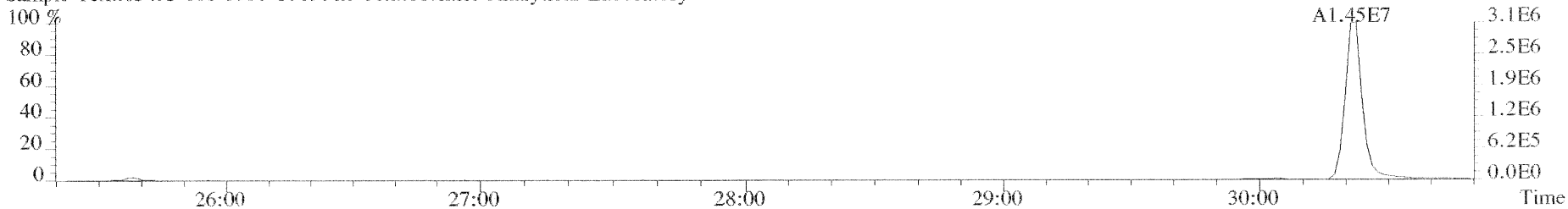
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



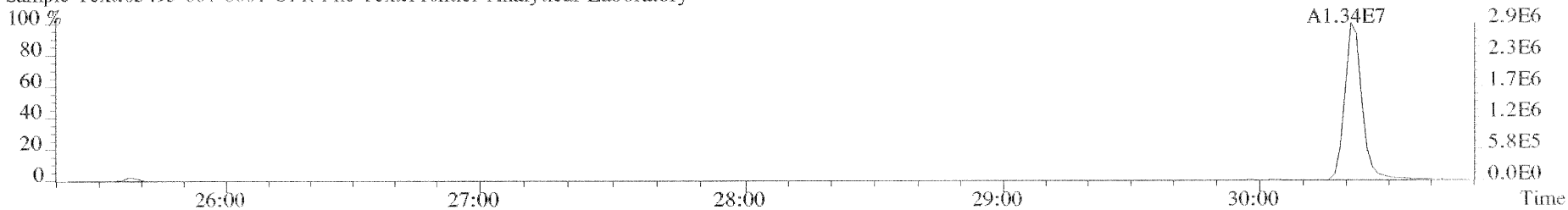
File:27OCT20Z #1-467 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



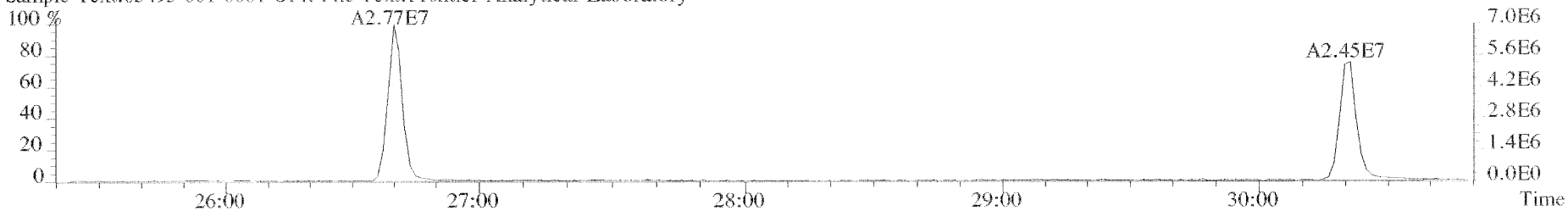
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



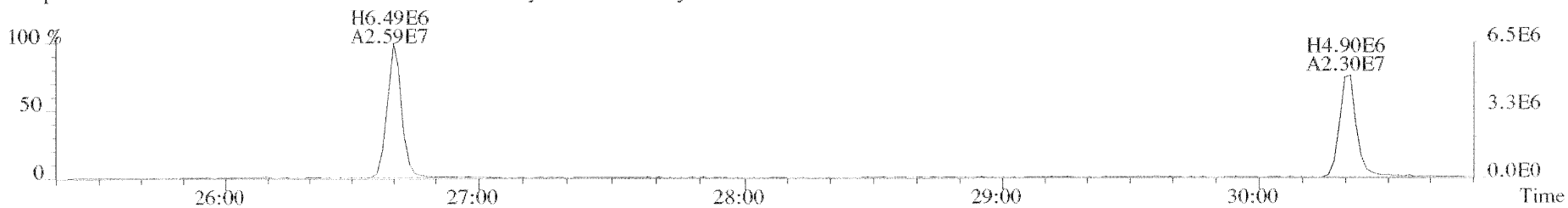
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



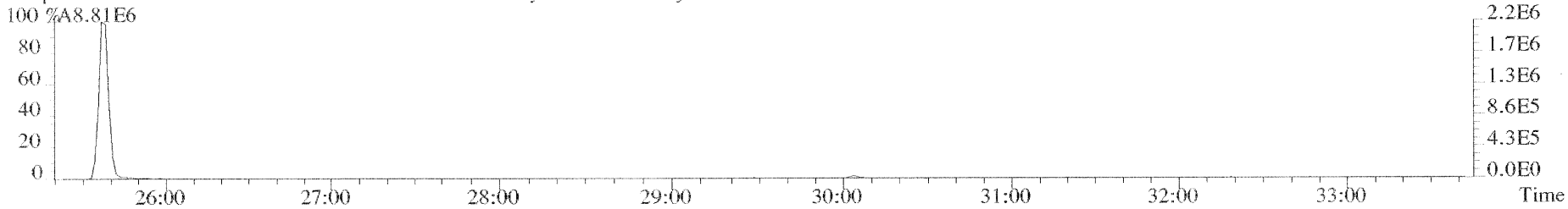
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



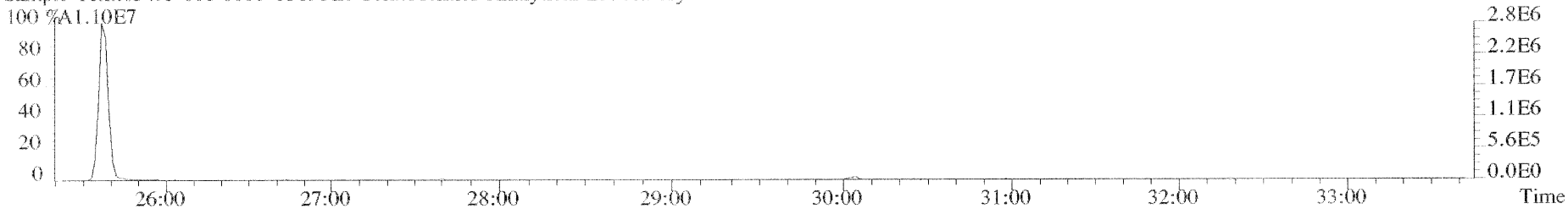
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



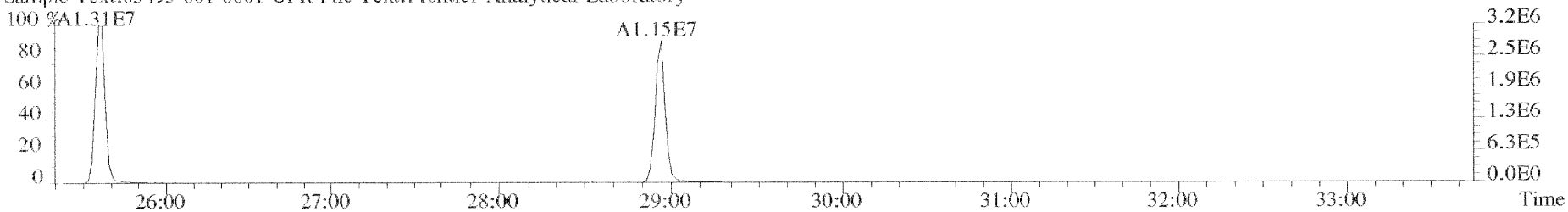
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



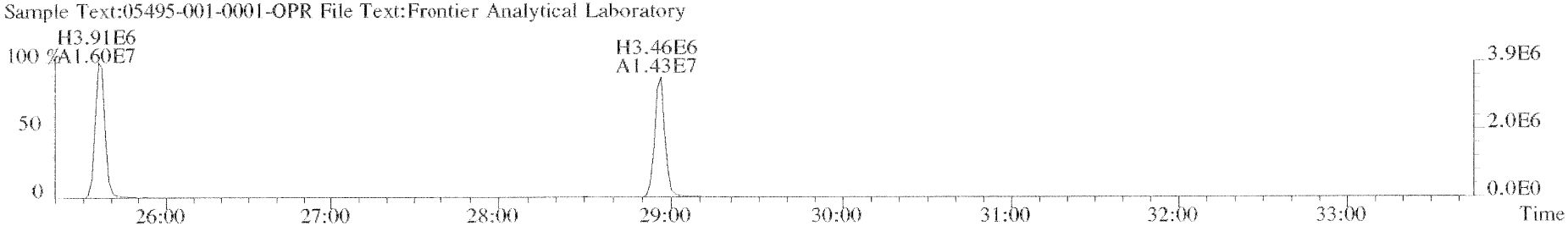
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



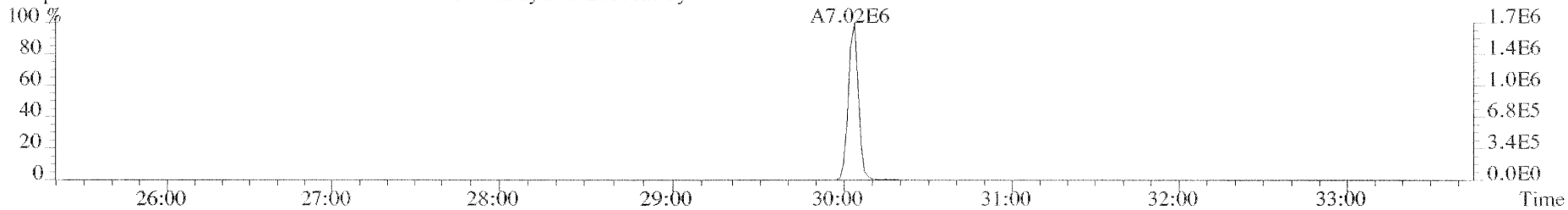
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



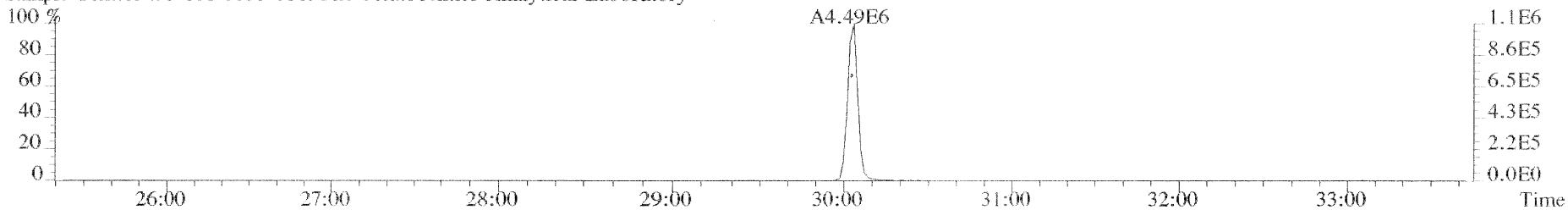
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



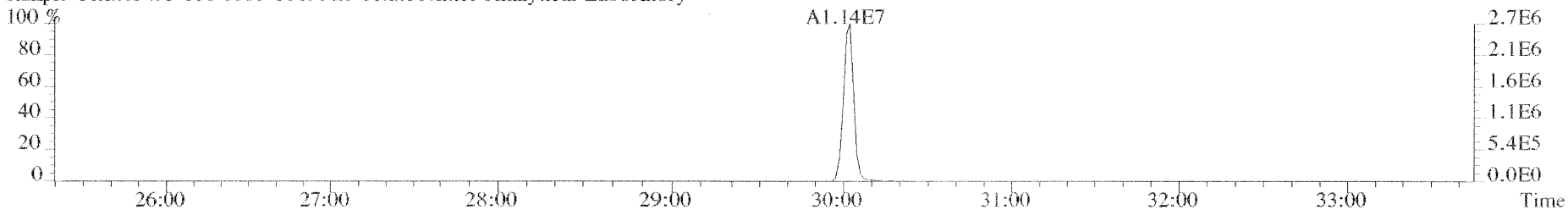
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



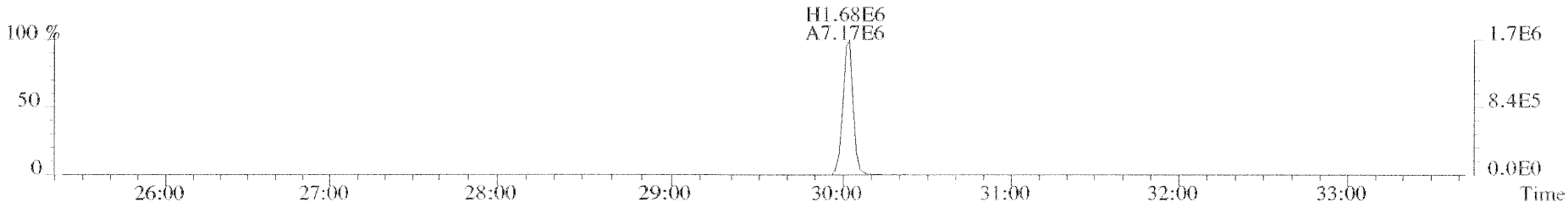
File:27OCT20Z #1-396 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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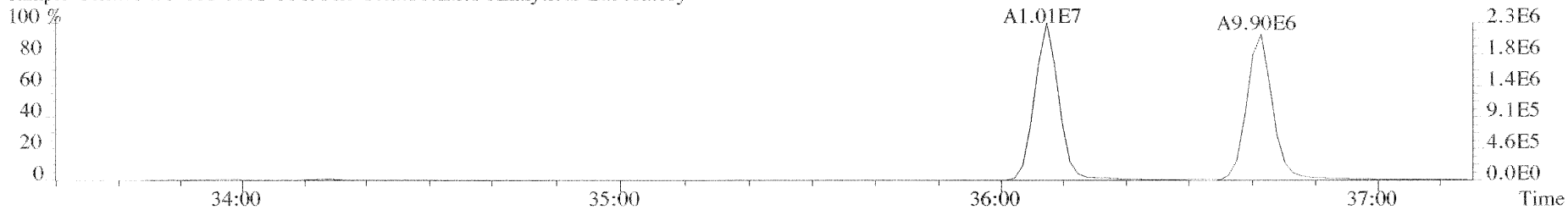
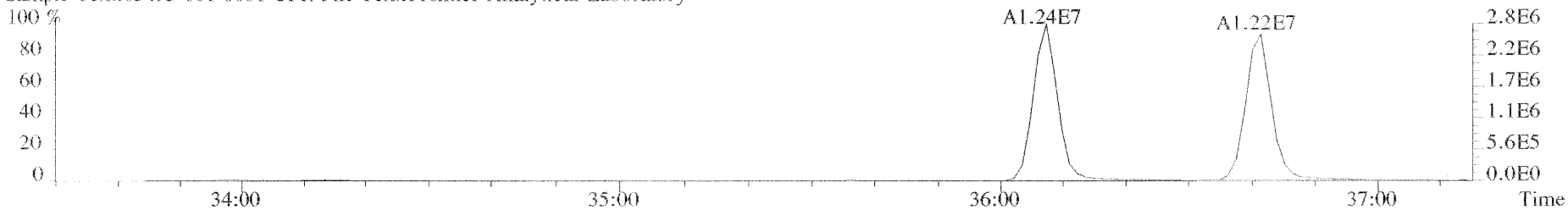
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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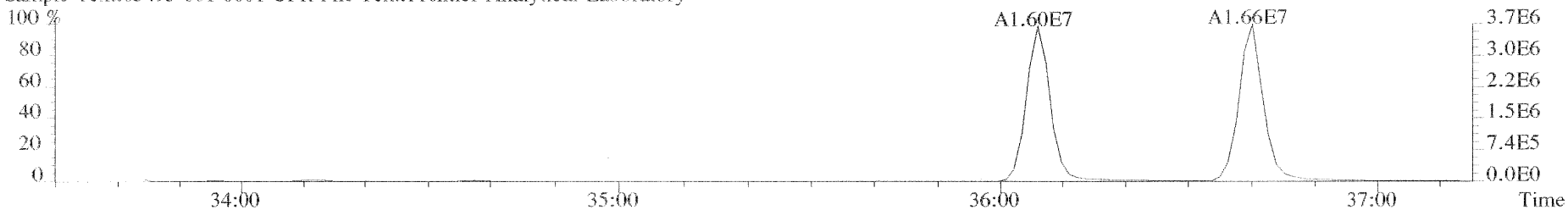
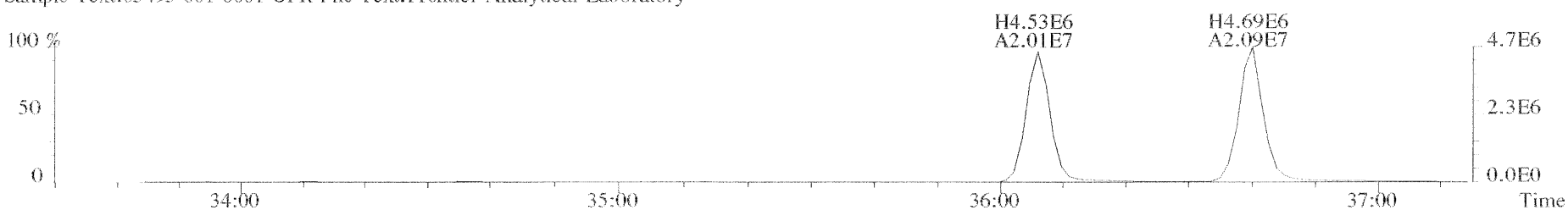
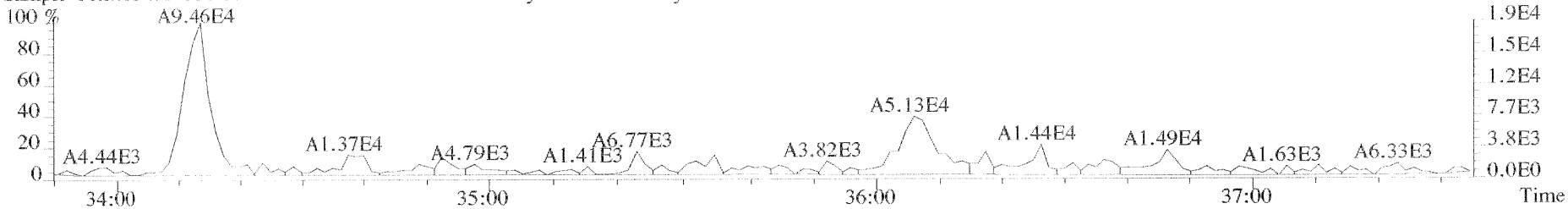
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



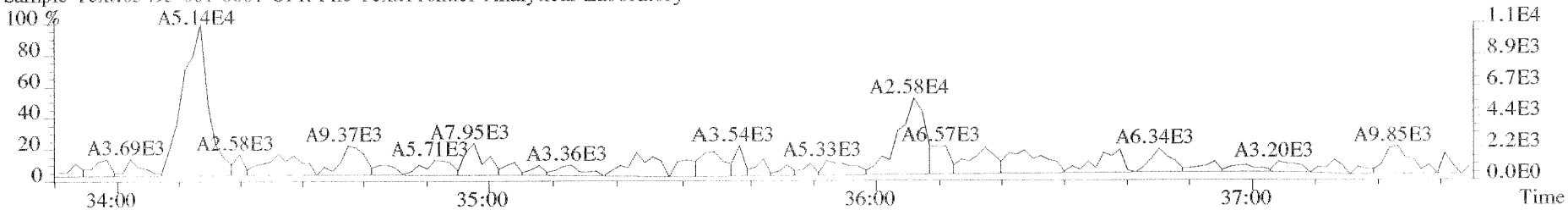
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



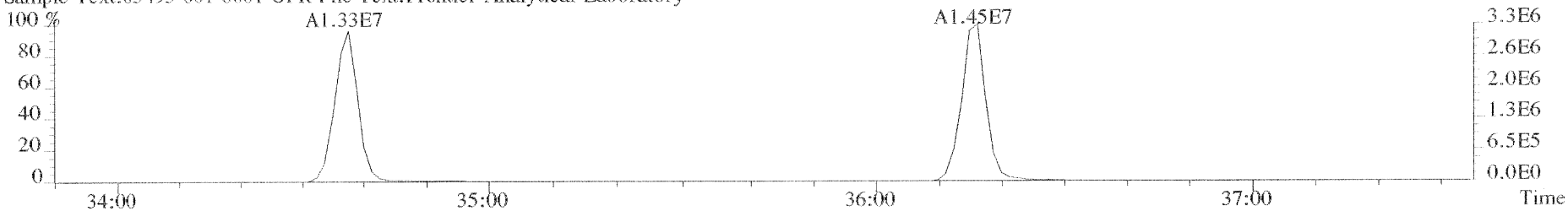
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



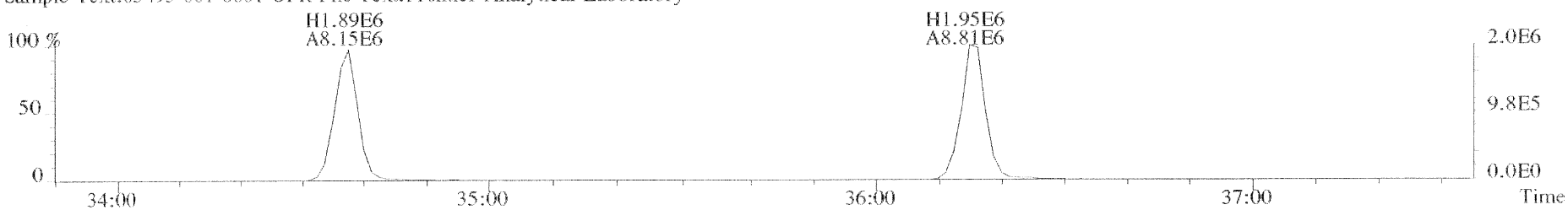
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



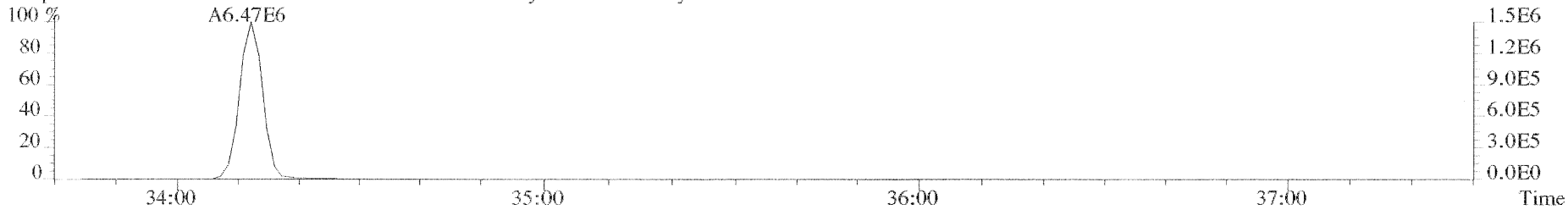
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



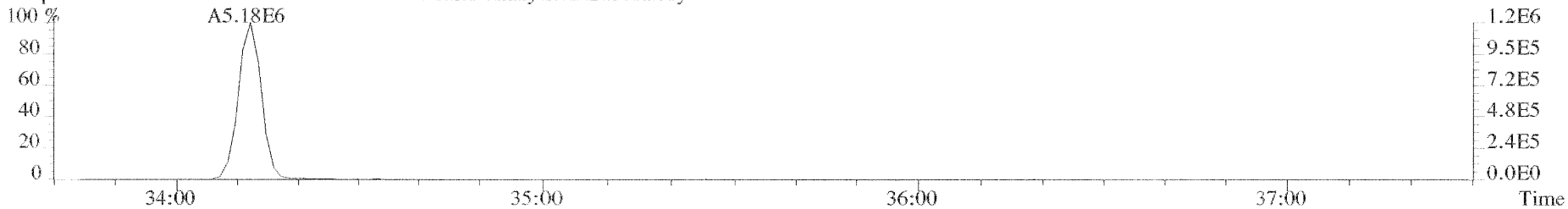
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



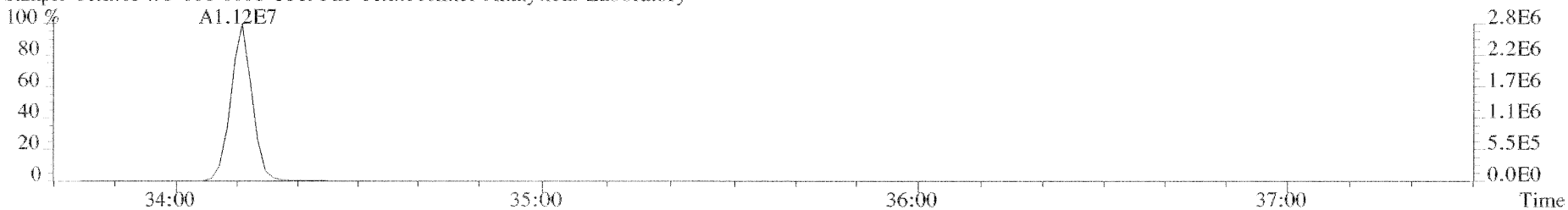
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



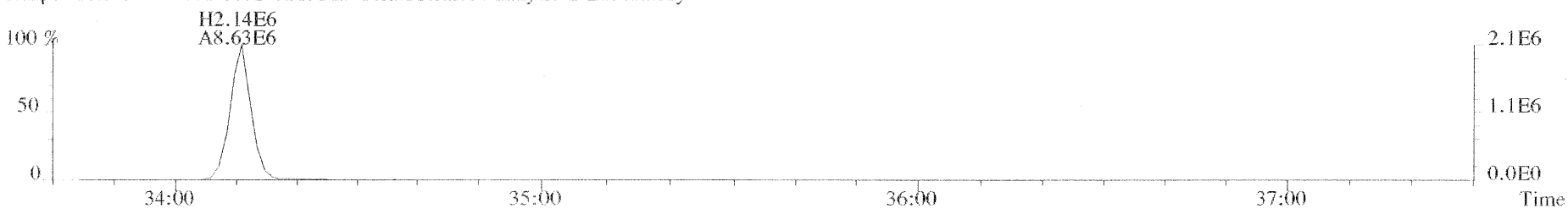
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



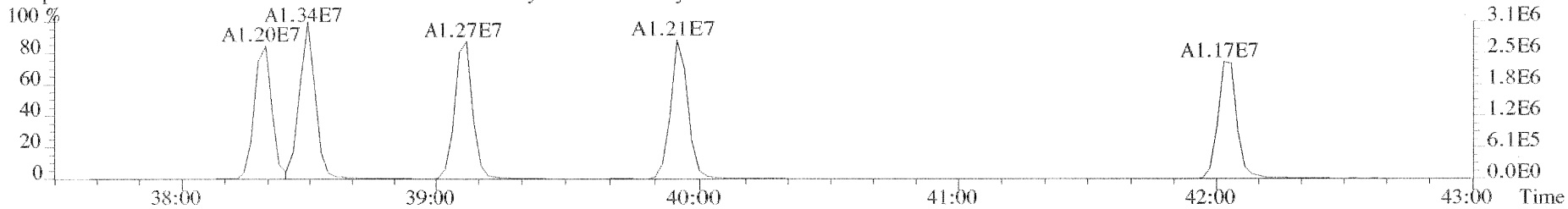
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



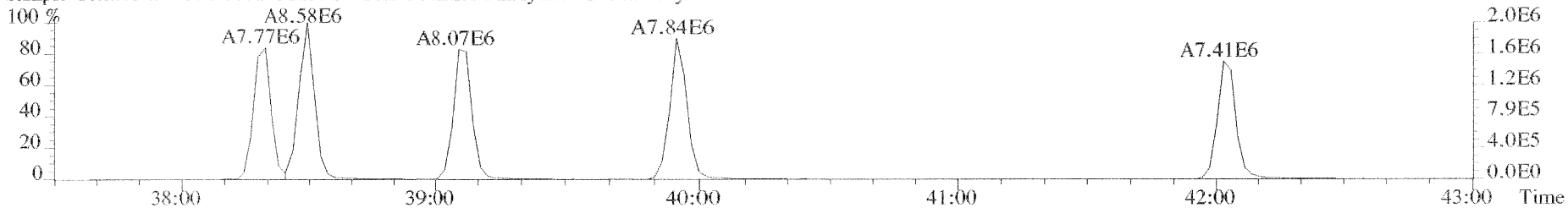
File:27OCT20Z #1-184 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



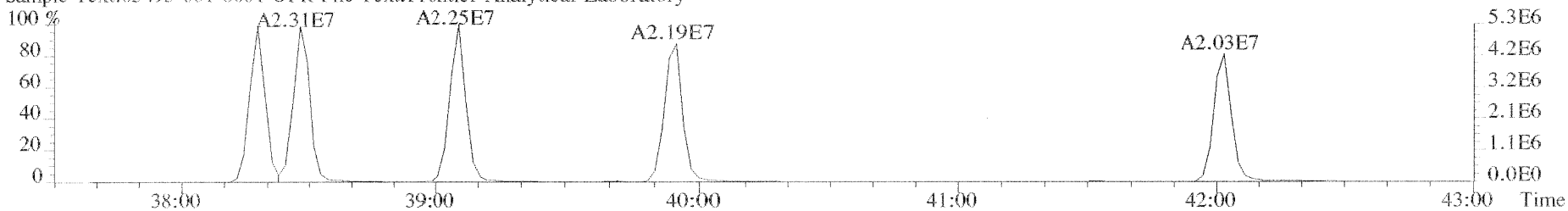
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



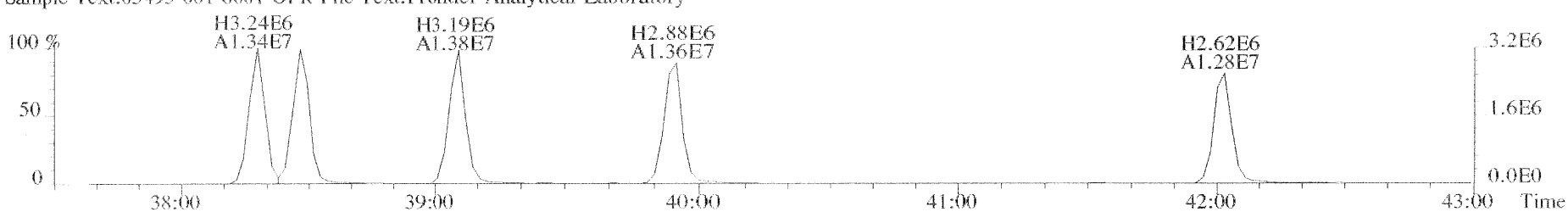
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



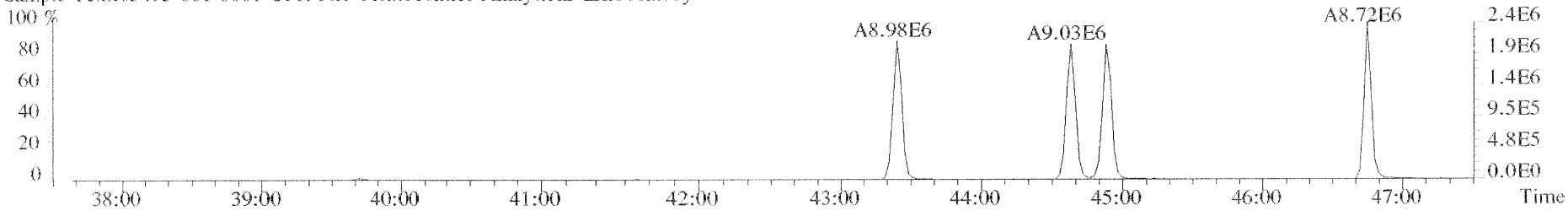
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



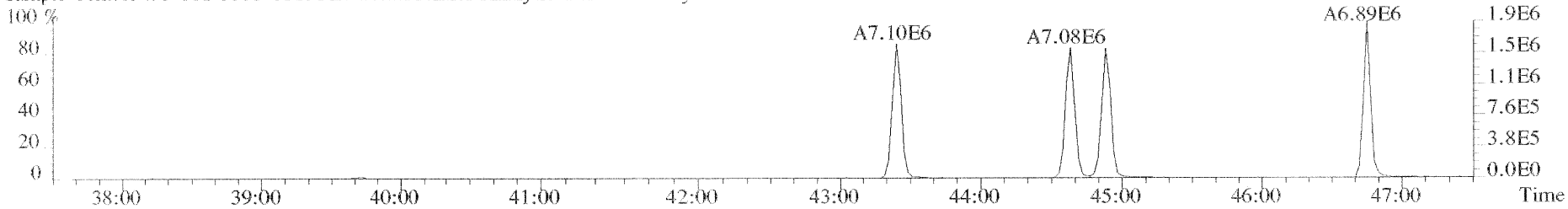
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



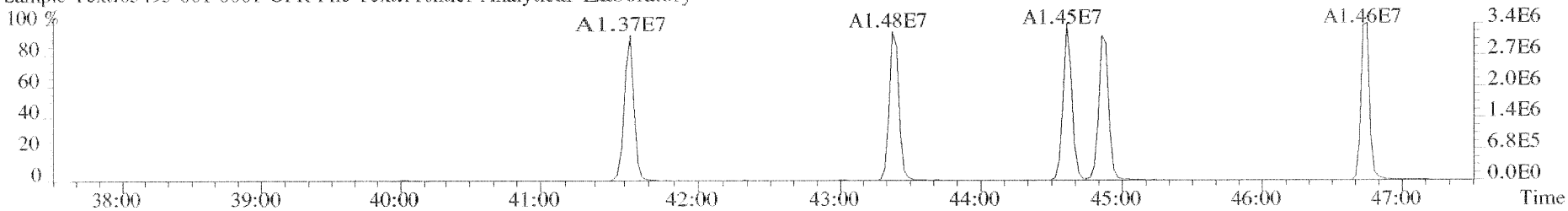
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



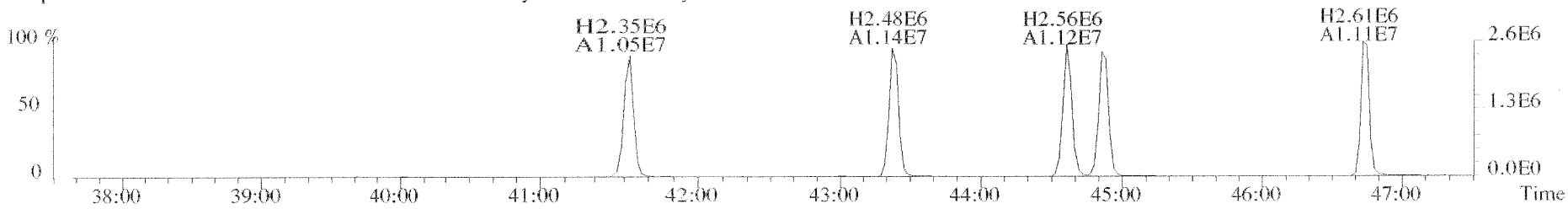
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



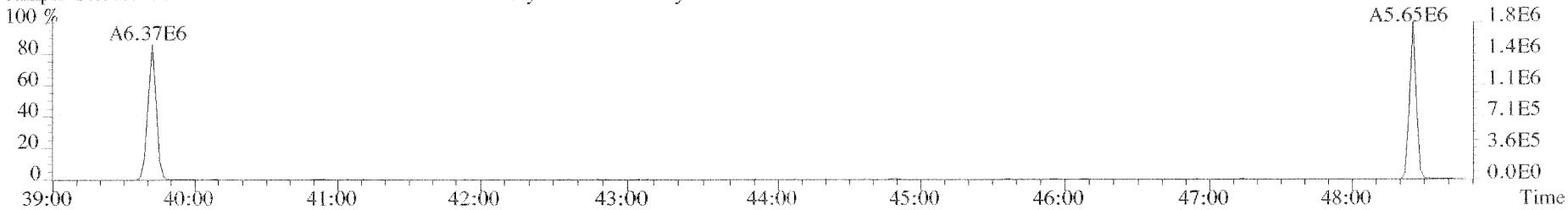
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



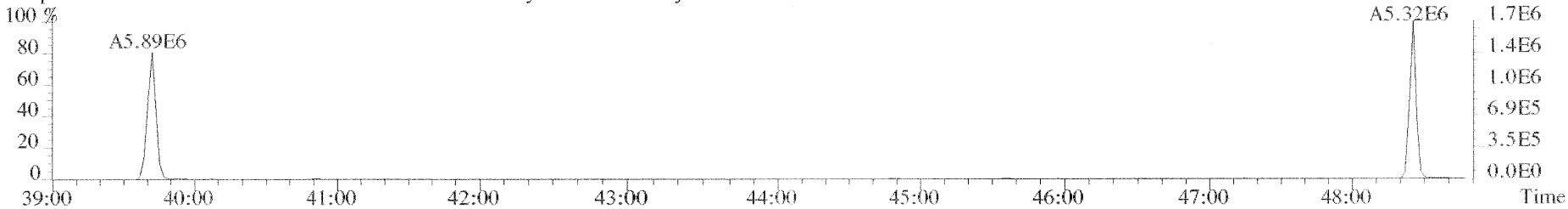
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



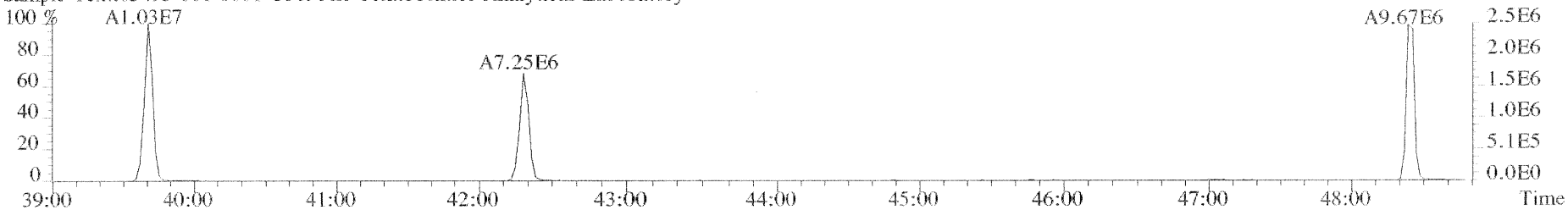
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



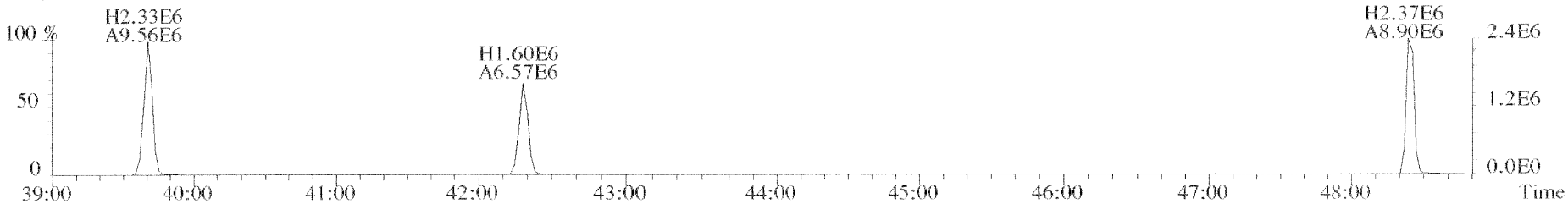
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



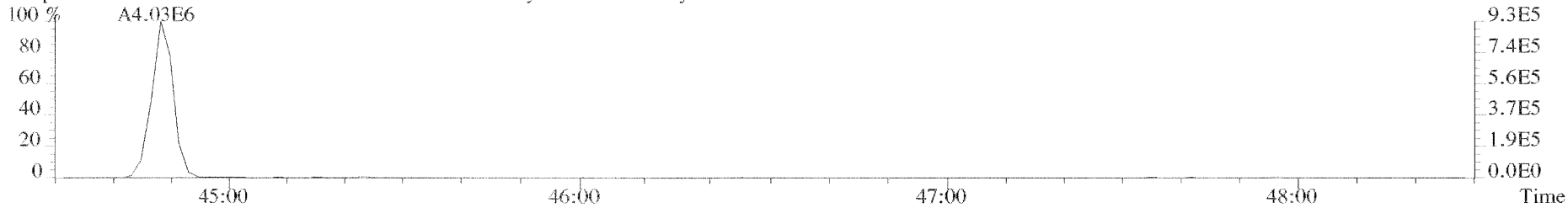
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



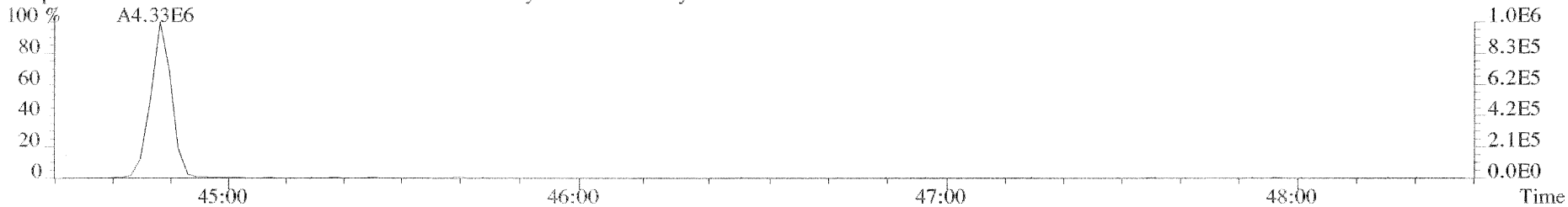
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



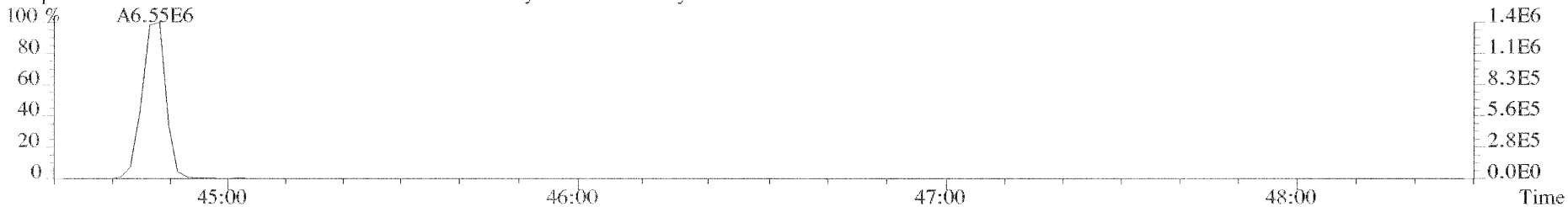
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



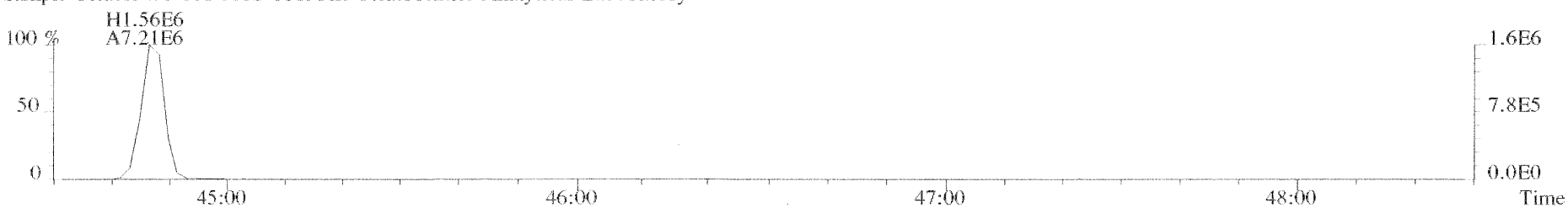
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



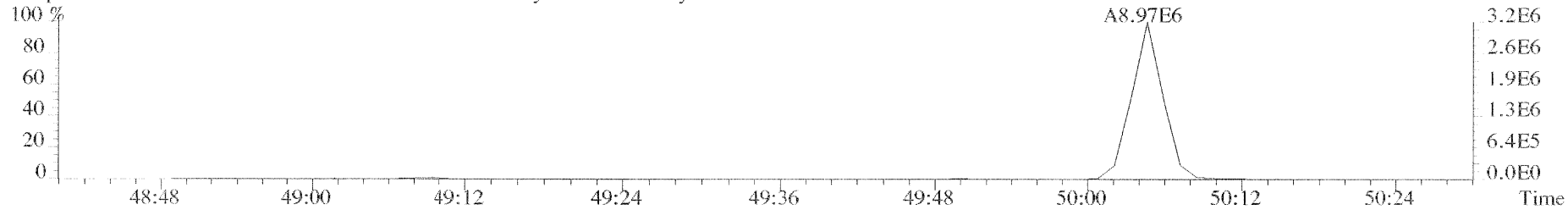
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



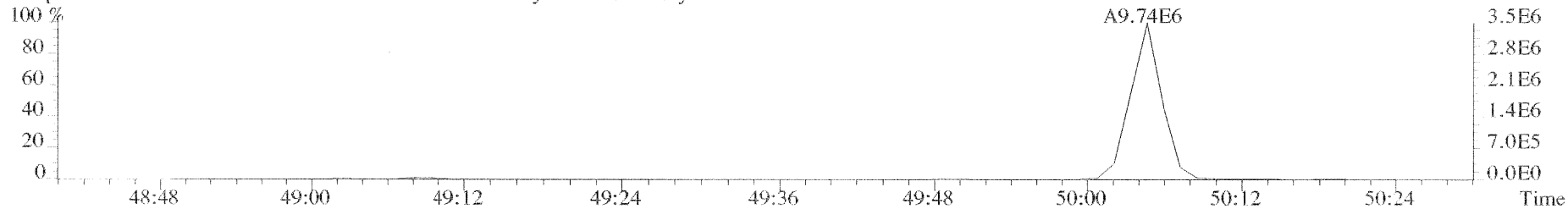
File:27OCT20Z #1-407 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



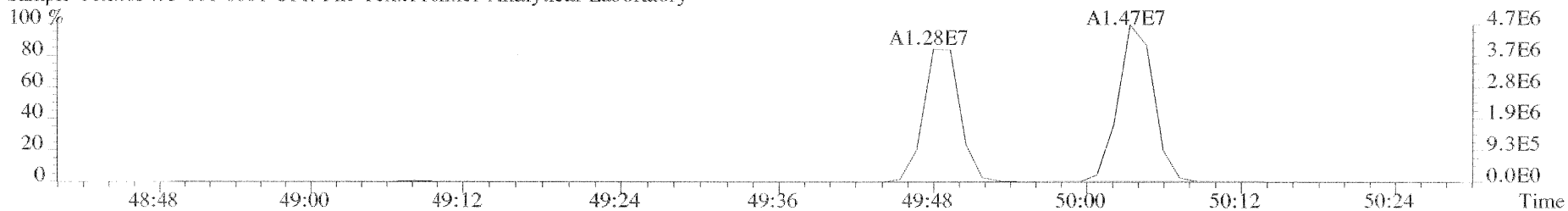
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



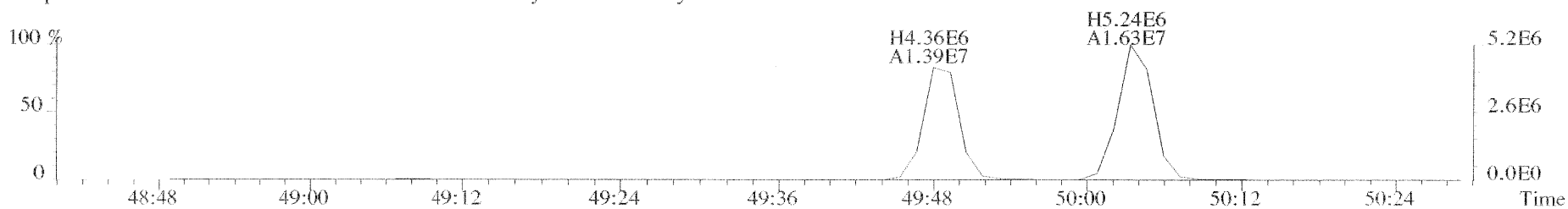
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



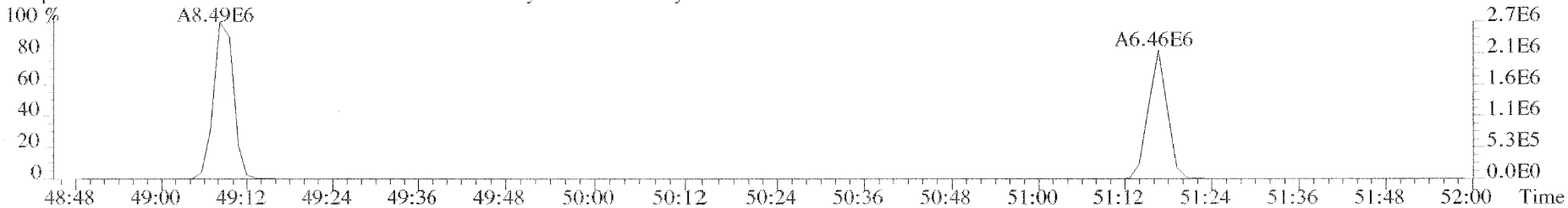
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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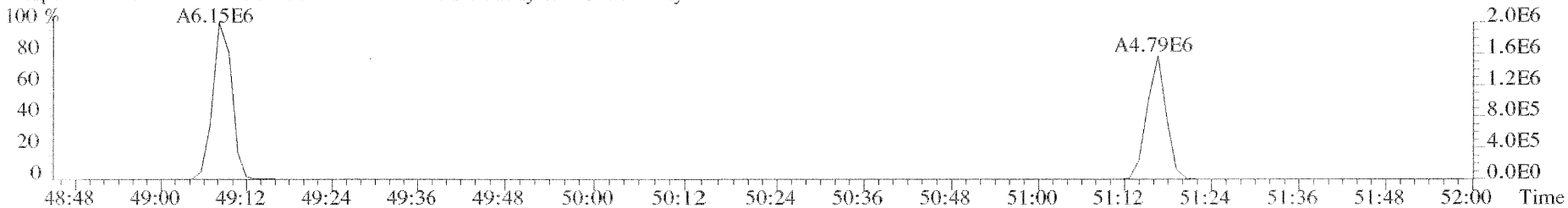
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



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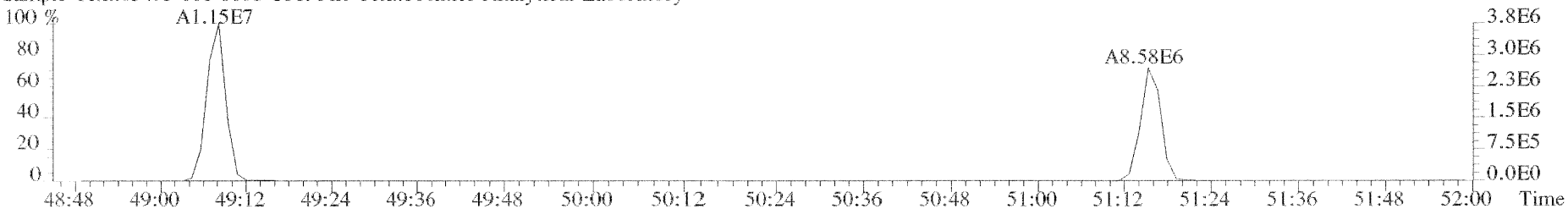
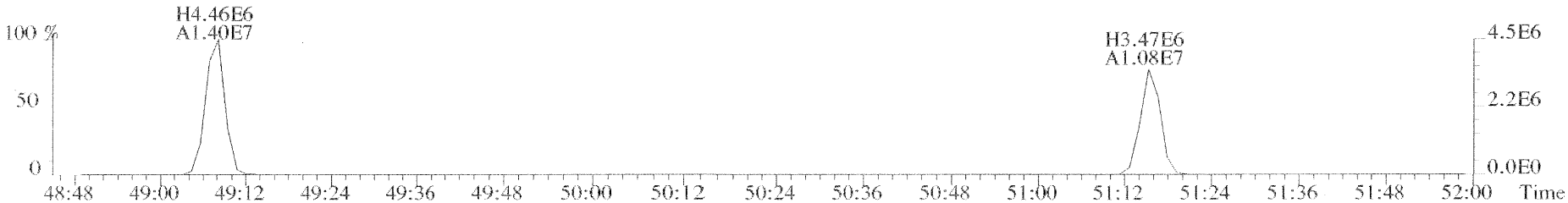
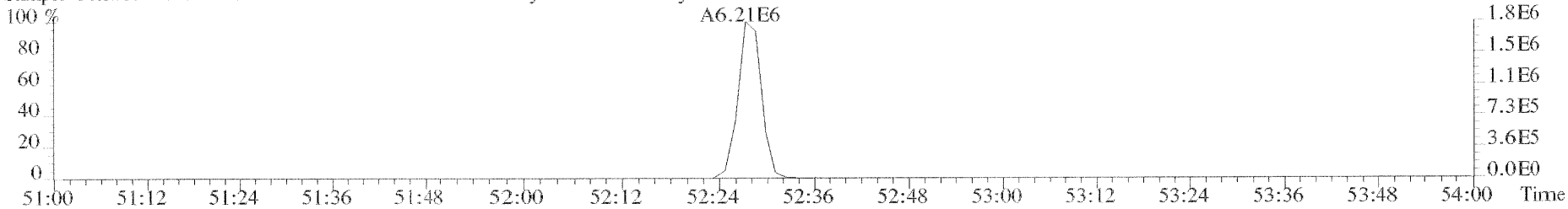
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



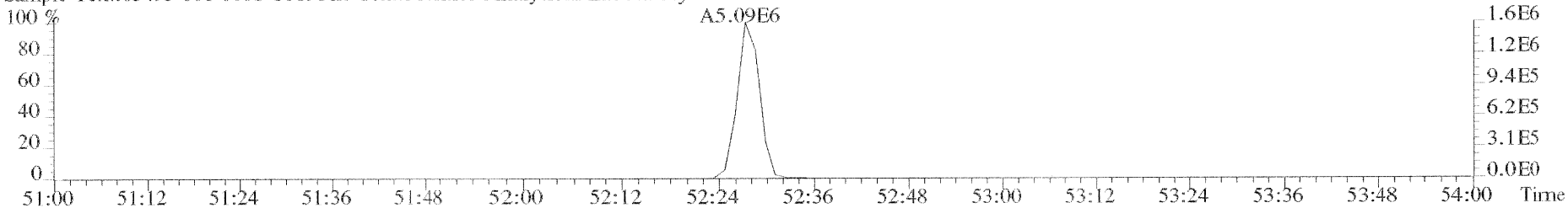
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



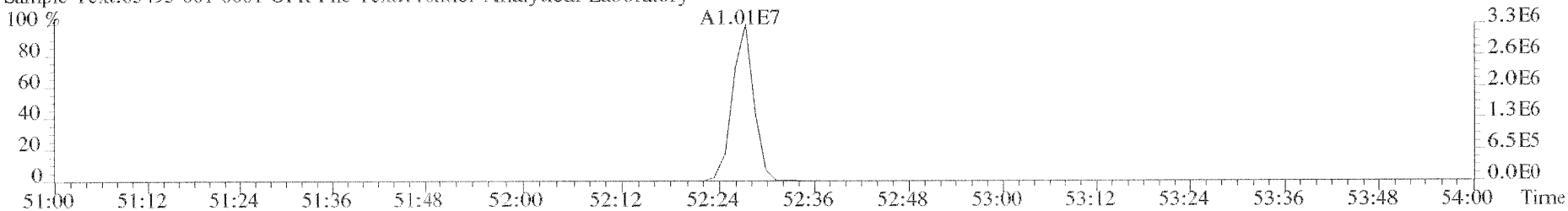
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



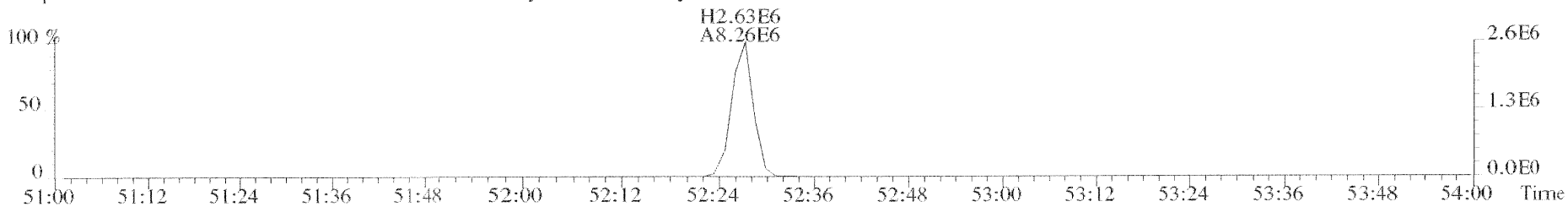
File:27OCT20Z #1-314 Acq:27-OCT-2020 08:36:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05495-001-0001-OPR File Text:Frontier Analytical Laboratory



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: 13376-002-0001-SA Filename: 28OCT20Z Sam:3 Acquired: 28-OCT-20 08:30:04 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR-CB-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 GC Column: DB1MS Amount: 10.01

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	5.86e+05	3.16 y	14:33	1.34	11.1		-	-	*			
13C-PCB-1	3.94e+07	3.29 y	14:32	0.84	917					91.8	1.05e+07	3.23e+06
PCB-2	1.48e+05	3.05 y	16:45	1.37	2.82		-	-	*			
PCB-3	6.46e+05	3.11 y	16:58	1.35	12.9		-	-	*			
13C-PCB-3	3.68e+07	3.33 y	16:57	0.80	897					89.8	8.68e+06	2.56e+06
PCB-4	3.18e+05	1.67 y	18:12	1.00	10.1		-	-	*			
PCB-10	7.58e+04	1.40 y	18:15	1.38	1.33	J	-	-	*			
13C-PCB-4	3.17e+07	1.57 y	18:11	0.65	948					94.9	5.99e+06	3.71e+06
PCB-9	1.71e+05	1.49 y	19:52	1.36	3.05		-	-	*			
PCB-7	1.48e+05	1.47 y	19:55	1.34	2.68		-	-	*			
PCB-6	8.51e+05	1.47 y	20:29	1.31	15.7		-	-	*			
PCB-8	2.31e+06	1.45 y	20:52	1.27	44.2		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		610	3100	0.638			
PCB-14	*	* n	NotFnd	1.28	*		610	3100	0.648			
PCB-11	3.86e+05	1.61 y	23:03	1.21	7.70		-	-	*			
PCB-13	1.66e+05	1.50 y	23:22	1.22	3.30		-	-	*			
PCB-12	3.47e+05	1.45 y	23:23	1.23	6.83		-	-	*			
PCB-15	2.06e+06	1.45 y	23:43	1.12	36.1		-	-	*			
13C-PCB-15	5.08e+07	1.61 y	23:42	0.94	1060					106	7.71e+06	4.70e+06
PCB-19	8.94e+04	1.19 y	22:06	1.48	3.45		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		2780	600	0.816			
PCB-18	1.08e+06	1.12 y	23:37	1.50	41.1		-	-	*			
PCB-17	5.42e+05	1.14 y	23:47	1.60	19.4		-	-	*			
PCB-27	9.16e+04	1.06 y	24:17	2.07	2.54		-	-	*			
PCB-24	1.03e+05	1.13 y	24:18	2.08	2.84		-	-	*			
PCB-16	3.18e+05	1.07 y	24:47	1.72	10.6		-	-	*			
PCB-32	4.93e+05	1.13 y	24:49	1.82	15.5		-	-	*			
13C-PCB-19	1.75e+07	1.13 y	22:04	0.37	914					91.5	2.49e+06	2.29e+06
13C-PCB-9	5.12e+07	1.60 y	19:51	-	8.54							
PCB-34	*	* n	NotFnd	1.09	*		1250	1050	0.592			
PCB-23	*	* n	NotFnd	1.06	*		1250	1050	0.607			
PCB-29	*	* n	NotFnd	1.11	*		1250	1050	0.580			
PCB-26	2.56e+06	1.03 y	26:05	1.09	49.4		-	-	*			
PCB-25	1.34e+06	1.04 y	26:14	1.05	26.8		-	-	*			
PCB-31	3.85e+06	1.00 y	26:34	1.05	77.1		-	-	*			
PCB-28	5.39e+06	1.02 y	26:41	1.32	86.0		-	-	*			
PCB-20	2.26e+06	1.04 y	27:16	1.06	44.7		-	-	*		Co-elute PCB 21/33	
PCB-21	2.26e+06	1.04 y	27:16	1.06	44.7		-	-	*		Co-elute PCB 20/33	
PCB-33	2.26e+06	1.04 y	27:16	1.06	44.7		-	-	*		Co-elute PCB 20/21	
PCB-22	1.40e+06	1.08 y	27:40	1.15	25.6		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1250	1050	0.587			
PCB-39	*	* n	NotFnd	1.12	*		1250	1050	0.572			
PCB-38	*	* n	NotFnd	1.13	*		1250	1050	0.568			
PCB-35	1.27e+05	1.08 y	29:59	1.09	2.45		-	-	*			
PCB-37	2.07e+06	1.14 y	30:27	1.13	38.6		-	-	*			
13C-PCB-37	4.75e+07	1.03 y	30:26	1.64	1220					122	4.54e+06	4.40e+06

PCB-54	*	*	n	NotFnd	1.32	*		908	1250	0.607			
PCB-50	*	*	n	NotFnd	1.09	*		908	1250	0.737			
PCB-53	3.70e+05	0.79	y	27:19	1.03	13.8		-	-	*			
PCB-51	1.39e+05	0.80	y	27:38	1.05	5.15		-	-	*			
PCB-45	2.22e+05	0.77	y	28:03	0.92	9.31		-	-	*			
PCB-46	8.38e+04	0.74	y	28:31	0.87	3.72		-	-	*			
PCB-52	6.60e+06	0.79	y	28:57	1.13	226		-	-	*	Co-elute PCB 69		
PCB-69	6.60e+06	0.79	y	28:57	1.13	226		-	-	*	Co-elute PCB 52		
PCB-73	9.62e+04	0.71	y	29:04	1.31	2.85		-	-	*			
PCB-43	3.81e+06	0.81	y	29:15	0.99	149		-	-	*	Co-elute PCB 49		
PCB-49	3.81e+06	0.81	y	29:15	0.99	149		-	-	*	Co-elute PCB 43		
PCB-47	1.35e+06	0.81	y	29:28	1.07	48.8		-	-	*			
PCB-48	5.14e+05	0.86	y	29:34	1.26	15.8		-	-	*	Co-elute PCB 75		
PCB-75	5.14e+05	0.86	y	29:34	1.26	15.8		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.28	*		908	1250	0.625			
PCB-62	*	*	n	NotFnd	1.29	*		908	1250	0.622			
PCB-44	2.85e+06	0.81	y	30:16	0.86	128		-	-	*			
PCB-42	1.18e+06	0.81	y	30:31	1.10	41.3		-	-	*	Co-elute PCB 59		
PCB-59	1.18e+06	0.81	y	30:31	1.10	41.3		-	-	*	Co-elute PCB 42		
PCB-72	2.95e+06	0.79	y	31:00	1.22	94.1		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.95e+06	0.79	y	31:00	1.22	94.1		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.95e+06	0.79	y	31:00	1.22	94.1		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.95e+06	0.79	y	31:00	1.22	94.1		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.30e+05	0.68	y	31:13	1.40	3.60		-	-	*			
PCB-40	2.99e+05	0.76	y	31:24	0.79	14.7		-	-	*			
PCB-57	1.01e+05	0.84	y	31:44	1.30	3.01		-	-	*			
PCB-67	2.35e+05	0.87	y	32:02	1.30	6.99		-	-	*			
PCB-58	3.94e+04	0.81	y	32:08	1.27	1.21	J	-	-	*			
PCB-63	1.97e+05	0.83	y	32:18	1.30	5.88		-	-	*			
PCB-74	2.29e+06	0.85	y	32:33	1.30	68.4		-	-	*			
PCB-61	6.14e+06	0.81	y	32:46	1.18	202		-	-	*	Co-elute PCB 70		
PCB-70	6.14e+06	0.81	y	32:46	1.18	202		-	-	*	Co-elute PCB 61		
PCB-76	5.45e+06	0.80	y	32:58	1.33	158		-	-	*	Co-elute PCB 66		
PCB-66	5.45e+06	0.80	y	32:58	1.33	158		-	-	*	Co-elute PCB 76		
PCB-80	6.92e+04	0.84	y	33:10	1.55	1.73	J	-	-	*			
PCB-55	1.86e+05	0.69	y	33:28	1.33	5.45		-	-	*			
13C-PCB-54	2.58e+07	0.83	y	25:35	1.14	950					95.1	3.07e+06	3.64e+06
PCB-104	*	*	n	NotFnd	1.27	*		300	372	0.449			
PCB-96	3.15e+04	1.50	y	31:15	1.20	1.71	J	-	-	*			
PCB-103	7.80e+04	1.41	y	31:45	1.03	4.94		-	-	*			
PCB-100	4.54e+04	1.63	y	32:06	1.03	2.86		-	-	*			
PCB-94	2.66e+04	1.62	y	32:31	0.85	2.02		-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*		300	372	0.669	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.85	*		300	372	0.669	Co-elute PCB 98		
PCB-95	4.06e+06	1.61	y	33:03	0.91	289		-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*		300	372	0.628			
PCB-88	7.49e+05	1.52	y	33:25	0.95	51.2		-	-	*	Co-elute PCB 91		
PCB-91	7.49e+05	1.52	y	33:25	0.95	51.2		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.16	*		300	372	0.495			
13C-PCB-104	1.54e+07	1.57	y	30:06	0.71	906					90.7	1.82e+06	1.13e+06
13C-PCB-28	4.66e+07	1.05	y	26:40	1.91	1030					103	5.64e+06	5.37e+06
13C-PCB-52	2.38e+07	0.83	y	28:56	-	8.21							

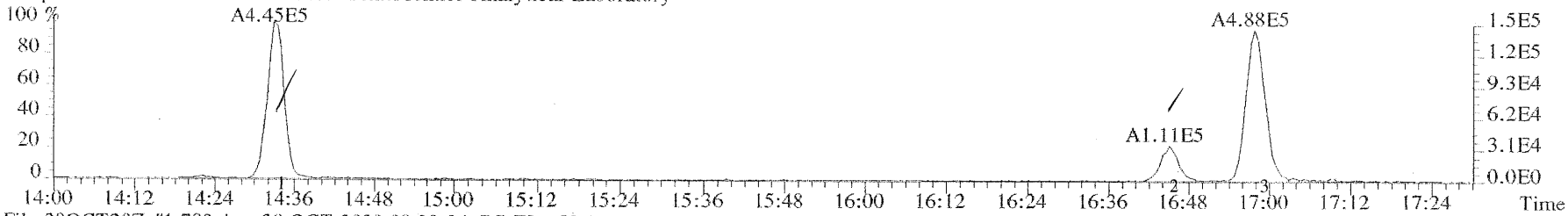
PCB-56	3.04e+06	0.78	y	33:57	1.14	75.0		-	-	*		Co-elute PCB 60	
PCB-60	3.04e+06	0.78	y	33:57	1.14	75.0		-	-	*		Co-elute PCB 56	
PCB-79	2.14e+05	0.70	y	34:57	1.20	5.04		-	-	*			
PCB-78	*	*	n	NotFnd	1.17	*		890	1160	0.600			
PCB-81	2.79e+05	0.80	y	36:08	1.24	6.45		-	-	*			
13C-PCB-81	3.48e+07	0.80	y	36:06	1.70	1090					109	3.30e+06	4.07e+06
PCB-77	7.98e+05	0.79	y	36:41	1.09	20.2		-	-	*			
13C-PCB-77	3.61e+07	0.82	y	36:40	1.77	1090					109	3.30e+06	3.98e+06
PCB-155	*	*	n	NotFnd	1.21	*		512	448	0.498			
PCB-150	2.11e+04	1.34	y	35:23	1.16	1.05	J	-	-	*			
PCB-152	*	*	n	NotFnd	1.16	*		512	448	0.517			
PCB-145	*	*	n	NotFnd	1.17	*		512	448	0.515			
PCB-136	9.65e+05	1.24	y	36:35	1.05	53.0		-	-	*			
PCB-148	*	*	n	NotFnd	0.96	*		512	448	0.627			
PCB-154	1.29e+05	1.13	y	37:09	1.00	7.48		-	-	*			
13C-PCB-155	1.73e+07	1.28	y	34:11	0.95	968					96.9	2.27e+06	1.72e+06
13C-PCB-111	2.12e+07	1.64	y	36:16	1.26	897					89.8	2.76e+06	1.73e+06
13C-PCB-101	1.88e+07	1.60	y	34:37	-	8.17							
PCB-84	3.29e+06	1.56	y	34:17	0.71	146		-	-	*		Co-elute PCB 92	
PCB-92	3.29e+06	1.56	y	34:17	0.71	146		-	-	*		Co-elute PCB 84	
PCB-89	7.57e+04	1.57	y	34:27	0.71	3.33		-	-	*			
PCB-90	9.00e+06	1.58	y	34:38	0.80	356		-	-	*		Co-elute PCB 101	
PCB-101	9.00e+06	1.58	y	34:38	0.80	356		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.86	*		1050	1000	0.927			
PCB-99	4.75e+06	1.58	y	34:57	0.91	165		-	-	*			
PCB-119	3.64e+05	1.67	y	35:23	1.01	11.3		-	-	*			
PCB-83	4.77e+05	1.57	y	35:33	0.80	18.9		-	-	*		Co-elute PCB 112	
PCB-112	4.77e+05	1.57	y	35:33	0.80	18.9		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.99	*		1050	1000	0.803			
PCB-97	2.46e+06	1.62	y	35:53	0.68	115		-	-	*			
PCB-86	*	*	n	NotFnd	0.64	*		1050	1000	1.23			
PCB-125	3.71e+06	1.64	y	36:08	0.92	127		-	-	*		Co-elute PCB 87/117	
PCB-87	3.71e+06	1.64	y	36:08	0.92	127		-	-	*		Co-elute PCB 125/117	
PCB-117	3.71e+06	1.64	y	36:08	0.92	127		-	-	*		Co-elute PCB 125/87	
PCB-111	2.41e+05	1.42	y	36:17	1.01	7.55		-	-	*		Co-elute PCB 115	
PCB-115	2.41e+05	1.42	y	36:17	1.01	7.55		-	-	*		Co-elute PCB 111	
PCB-85	1.55e+06	1.61	y	36:23	0.88	55.8		-	-	*		Co-elute PCB 116	
PCB-116	1.55e+06	1.61	y	36:23	0.88	55.8		-	-	*		Co-elute PCB 85	
PCB-120	5.54e+04	1.51	y	36:36	1.04	1.67	J	-	-	*			
PCB-110	1.31e+07	1.57	y	36:46	0.98	419		-	-	*			
PCB-82	7.81e+05	1.54	y	37:21	0.61	40.0		-	-	*			
PCB-124	5.76e+05	1.50	y	38:01	1.10	16.6		-	-	*			
PCB-108	1.16e+06	1.55	y	38:11	1.13	32.3		-	-	*		Co-elute PCB 107	
PCB-107	1.16e+06	1.55	y	38:11	1.13	32.3		-	-	*		Co-elute PCB 108	
PCB-123	2.53e+05	1.60	y	38:19	1.01	8.31		-	-	*			
13C-PCB-123	3.02e+07	1.58	y	38:18	1.33	1070					107	4.05e+06	2.57e+06
PCB-118	1.42e+07	1.51	y	38:29	1.08	392		-	-	*		Co-elute PCB 106	
PCB-106	1.42e+07	1.51	y	38:29	1.08	392		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.36e+07	1.60	y	38:27	1.43	1110					111	4.05e+06	2.52e+06
PCB-114	3.07e+05	1.42	y	39:07	1.13	8.51		-	-	*			
13C-PCB-114	3.19e+07	1.59	y	39:05	1.39	1080					109	3.93e+06	2.50e+06
PCB-122	2.05e+05	1.45	y	39:13	1.12	5.77		-	-	*			
PCB-105	5.28e+06	1.51	y	39:55	1.17	145		-	-	*			
13C-PCB-105	3.11e+07	1.59	y	39:55	1.36	1080					108	3.90e+06	2.35e+06

PCB-127	*	*	n	NotFnd	1.08	*	1210	1070	0.814				
PCB-126	1.08e+05	1.51	y	42:03	1.12	3.22	-	-	*				
13C-PCB-126	3.01e+07	1.61	y	42:01	1.30	1090				110	3.67e+06	2.35e+06	
PCB-151	1.93e+06	1.29	y	37:46	0.99	81.6	-	-	*				
PCB-135	1.28e+06	1.25	y	37:58	0.96	55.9	-	-	*				
PCB-144	4.58e+05	1.40	y	38:04	1.03	18.5	-	-	*				
PCB-147	2.79e+05	1.10	y	38:11	1.08	10.8	-	-	*				
PCB-139	8.22e+06	1.28	y	38:26	1.07	321	-	-	*				Co-elute PCB 149
PCB-149	8.22e+06	1.28	y	38:26	1.07	321	-	-	*				Co-elute PCB 139
PCB-140	1.09e+05	1.15	y	38:37	1.08	4.22	-	-	*				
PCB-143	5.76e+05	1.36	y	39:02	0.88	27.5	-	-	*				Co-elute PCB 134
PCB-134	5.76e+05	1.36	y	39:02	0.88	27.5	-	-	*				Co-elute PCB 143
PCB-131	3.34e+05	1.40	y	39:18	0.87	16.0	-	-	*				Co-elute PCB 133
PCB-133	3.34e+05	1.40	y	39:18	0.87	16.0	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.91	*	1060	1010	1.06				
PCB-165	1.84e+06	1.30	y	39:40	1.15	66.9	-	-	*				Co-elute PCB 146
PCB-146	1.84e+06	1.30	y	39:40	1.15	66.9	-	-	*				Co-elute PCB 165
PCB-161	3.03e+06	1.21	y	39:56	1.09	116	-	-	*				Co-elute PCB 132
PCB-132	3.03e+06	1.21	y	39:56	1.09	116	-	-	*				Co-elute PCB 161
PCB-153	1.18e+07	1.27	y	40:03	1.19	416	-	-	*				
PCB-168	*	*	n	NotFnd	1.26	*	1060	1010	0.760				
PCB-141	1.81e+06	1.31	y	40:46	0.98	76.8	-	-	*				
PCB-137	7.09e+05	1.24	y	41:07	0.93	31.8	-	-	*				
PCB-130	7.45e+05	1.31	y	41:14	0.93	33.5	-	-	*				
PCB-138	1.40e+07	1.26	y	41:33	1.17	502	-	-	*				Co-elute PCB 163/164
PCB-163	1.40e+07	1.26	y	41:33	1.17	502	-	-	*				Co-elute PCB 138/164
PCB-164	1.40e+07	1.26	y	41:33	1.17	502	-	-	*				Co-elute PCB 138/163
PCB-158	1.76e+06	1.26	y	41:47	1.32	55.7	-	-	*				Co-elute PCB 160
PCB-160	1.76e+06	1.26	y	41:47	1.32	55.7	-	-	*				Co-elute PCB 158
PCB-129	5.29e+05	1.25	y	42:01	0.86	25.7	-	-	*				
PCB-166	7.83e+04	1.13	y	42:28	1.26	2.59	-	-	*				
PCB-159	1.15e+05	1.33	y	42:49	1.35	3.55	-	-	*				
PCB-128	2.48e+06	1.29	y	43:02	1.09	94.6	-	-	*				Co-elute PCB 162
PCB-162	2.48e+06	1.29	y	43:02	1.09	94.6	-	-	*				Co-elute PCB 128
PCB-167	7.06e+05	1.23	y	43:25	1.22	24.2	-	-	*				
13C-PCB-167	2.38e+07	1.30	y	43:24	1.11	1010				102	3.02e+06	2.31e+06	
PCB-156	1.66e+06	1.25	y	44:39	1.26	56.4	-	-	*				
13C-PCB-156	2.34e+07	1.31	y	44:38	1.16	949				95.0	2.85e+06	2.16e+06	
PCB-157	4.24e+05	1.28	y	44:54	1.25	14.1	-	-	*				
13C-PCB-157	2.40e+07	1.30	y	44:53	1.13	999				100.0	2.98e+06	2.28e+06	
PCB-169	*	*	n	NotFnd	1.20	*	1060	1010	0.713				
13C-PCB-169	2.44e+07	1.32	y	46:44	1.06	1080				108	3.40e+06	2.64e+06	

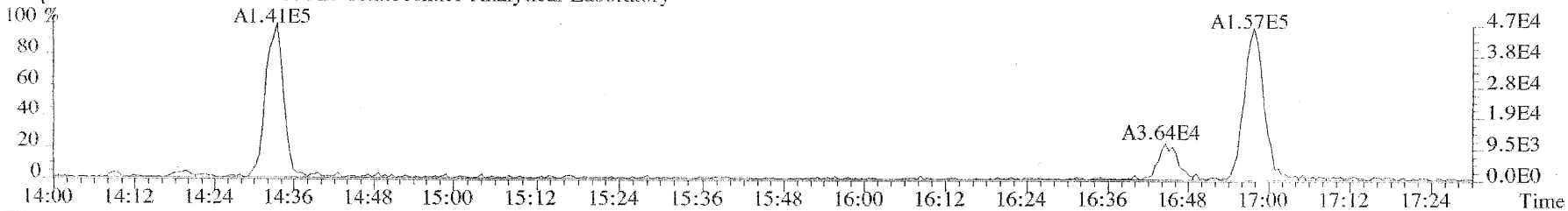
PCB-188	*	*	n	NotFnd	1.20	*	550	516	0.612			
13C-PCB-188	1.75e+07	1.09	y	39:40	0.88	939				94.0	1.88e+06	1.73e+06
PCB-184	*	*	n	NotFnd	1.30	*	550	516	0.511			
PCB-179	7.96e+05	1.10	y	40:52	1.24	38.8	-	-	*			
PCB-176	2.33e+05	1.14	y	41:19	1.19	11.8	-	-	*			
PCB-186	*	*	n	NotFnd	1.23	*	550	516	0.538			
PCB-178	3.08e+05	1.11	y	42:19	0.88	21.1	-	-	*			
PCB-175	7.11e+04	1.10	y	42:39	0.92	4.66	-	-	*			
PCB-187	2.00e+06	1.05	y	42:49	0.99	122	-	-	*		Co-elute PCB 182	
PCB-182	2.00e+06	1.05	y	42:49	0.99	122	-	-	*		Co-elute PCB 187	
PCB-183	9.01e+05	1.10	y	43:07	0.99	55.4	-	-	*			
PCB-185	1.70e+05	1.08	y	43:45	0.92	11.1	-	-	*			
PCB-174	1.40e+06	1.03	y	44:06	0.91	93.4	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	550	516	0.698			
PCB-177	8.87e+05	1.10	y	44:21	0.85	62.9	-	-	*			
PCB-171	4.29e+05	1.06	y	44:38	0.92	28.3	-	-	*			
PCB-173	*	*	n	NotFnd	0.81	*	550	516	0.823			
PCB-172	2.79e+05	1.10	y	45:25	0.85	19.9	-	-	*			
PCB-192	*	*	n	NotFnd	1.10	*	550	516	0.602			
PCB-180	3.38e+06	1.06	y	45:47	0.87	235	-	-	*			
PCB-193	2.53e+05	1.09	y	45:57	1.18	13.0	-	-	*			
PCB-191	9.71e+04	1.11	y	46:10	1.12	5.25	-	-	*			
PCB-170	1.47e+06	1.09	y	47:04	0.85	104	-	-	*			
PCB-190	4.11e+05	0.97	y	47:14	1.12	22.2	-	-	*			
PCB-189	8.81e+04	1.13	y	48:27	1.19	4.77	-	-	*			
13C-PCB-189	1.55e+07	1.10	y	48:25	0.84	870				87.0	2.37e+06	2.19e+06
PCB-202	1.44e+05	0.81	y	44:49	1.10	12.1	-	-	*			
PCB-201	9.41e+04	0.86	y	45:16	1.17	7.49	-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*	324	316	0.542			
PCB-197	2.94e+04	0.76	y	45:40	1.20	2.27	-	-	*			
PCB-200	9.41e+04	0.91	y	46:26	1.15	7.60	-	-	*			
PCB-198	2.95e+04	0.80	y	47:37	0.84	3.24	-	-	*			
PCB-199	5.09e+05	0.88	y	47:42	0.90	52.5	-	-	*			
PCB-203	5.91e+05	0.92	y	47:57	0.95	57.6	-	-	*		Co-elute PCB 196	
PCB-196	5.91e+05	0.92	y	47:57	0.95	57.6	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.08e+07	0.89	y	44:48	0.61	833				83.3	1.15e+06	1.30e+06
13C-PCB-178	1.21e+07	1.09	y	42:19	0.67	852				85.3	1.34e+06	1.22e+06
13C-PCB-138	2.12e+07	1.30	y	41:32	-	8.17						
PCB-195	4.47e+05	0.92	y	49:03	0.80	19.8	-	-	*			
PCB-194	1.34e+06	0.86	y	49:50	0.91	52.6	-	-	*			
PCB-205	9.11e+04	0.79	y	50:06	1.08	2.99	-	-	*			
13C-PCB-205	2.81e+07	0.90	y	50:06	1.25	979				98.0	4.22e+06	4.60e+06
PCB-208	1.25e+05	1.39	y	49:10	1.11	5.34	-	-	*			
13C-PCB-208	2.11e+07	0.82	y	49:09	1.00	914				91.5	3.05e+06	3.58e+06
PCB-207	7.29e+04	1.50	y	49:27	1.25	3.13	-	-	*			
PCB-206	4.38e+05	1.32	y	51:17	1.13	23.7	-	-	*			
13C-PCB-206	1.63e+07	0.79	y	51:17	0.78	902				90.3	2.15e+06	2.70e+06
PCB-209	1.69e+05	1.16	y	52:29	1.26	9.05	-	-	*			
13C-PCB-209	1.48e+07	1.21	y	52:28	0.78	827				82.8	2.48e+06	2.10e+06
13C-PCB-194	2.30e+07	0.91	y	49:50	-	8.16						

Analyst: [signature] Date: 11/3/20

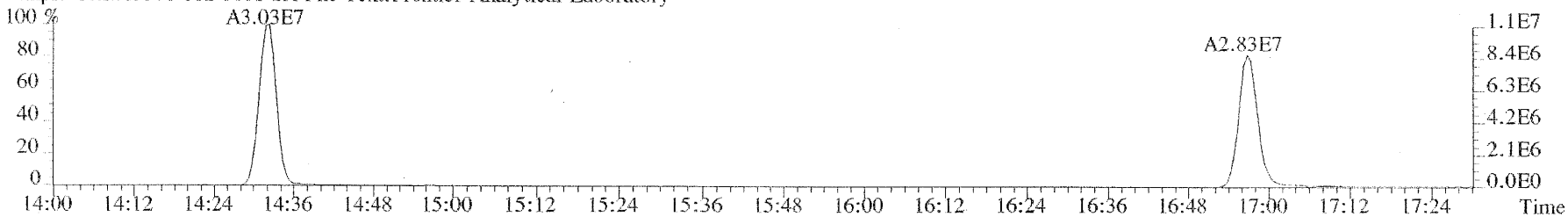
File:28OCT20Z #1-783 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



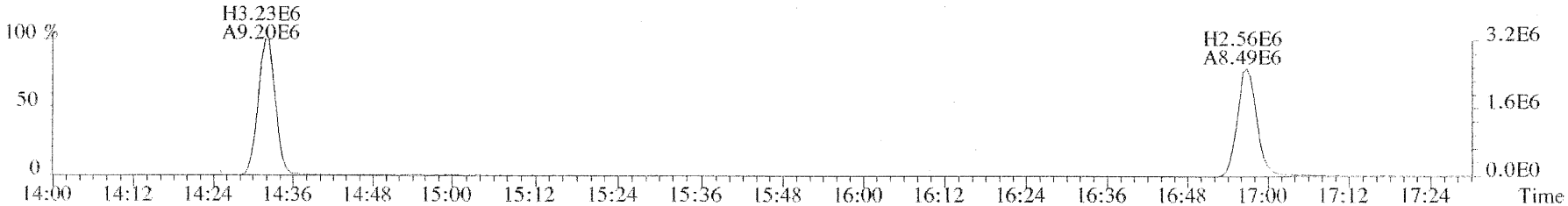
File:28OCT20Z #1-783 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



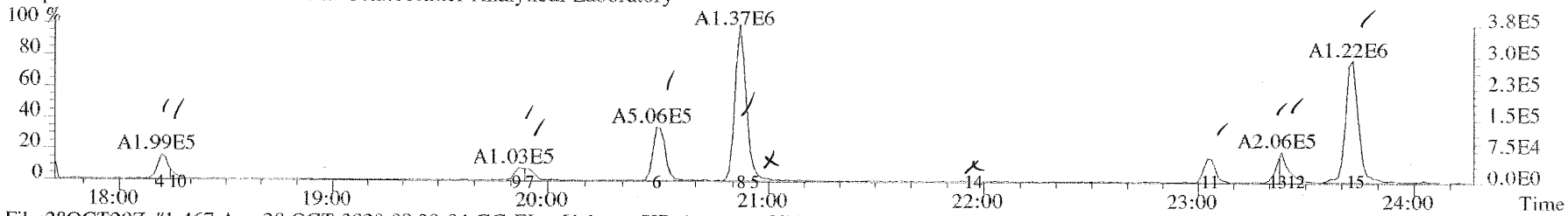
File:28OCT20Z #1-783 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



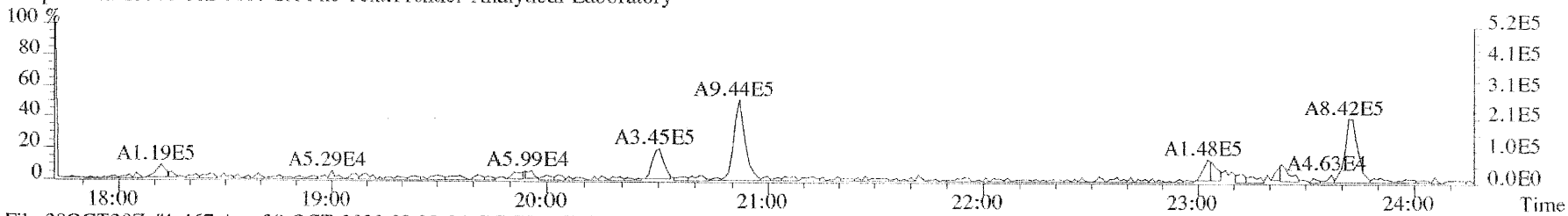
File:28OCT20Z #1-783 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



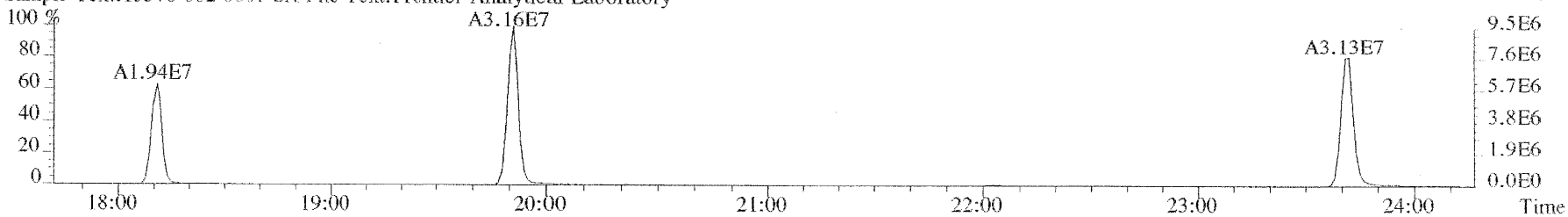
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



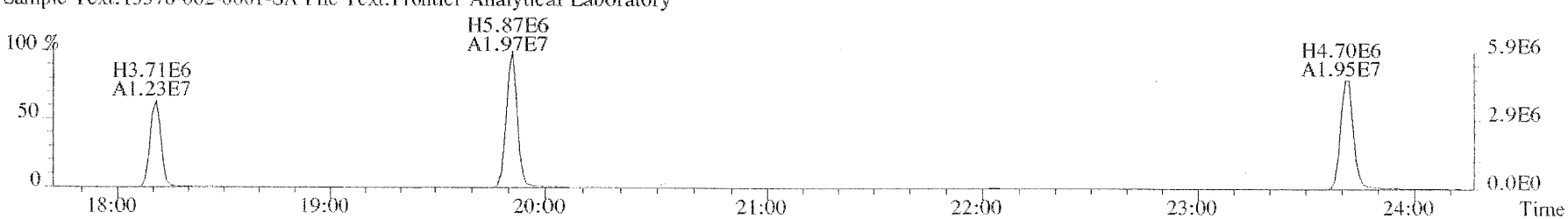
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



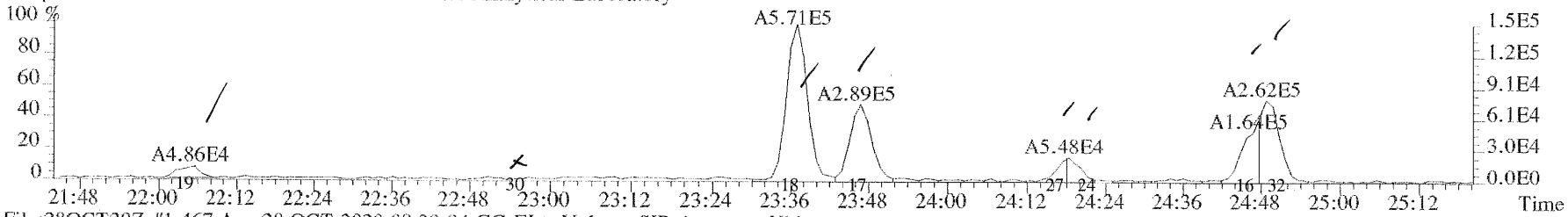
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



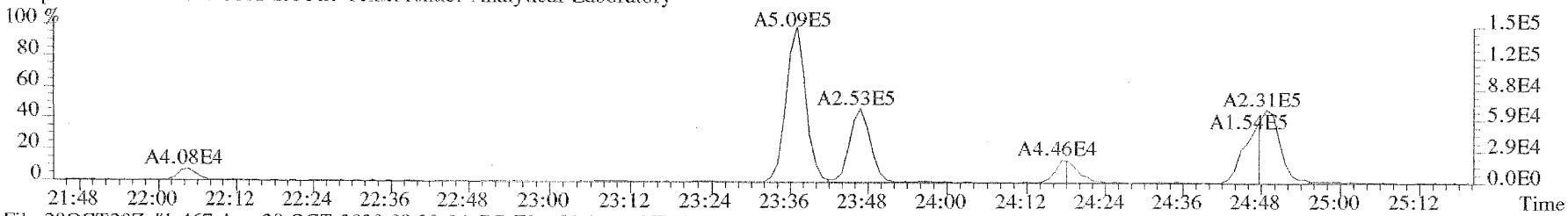
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



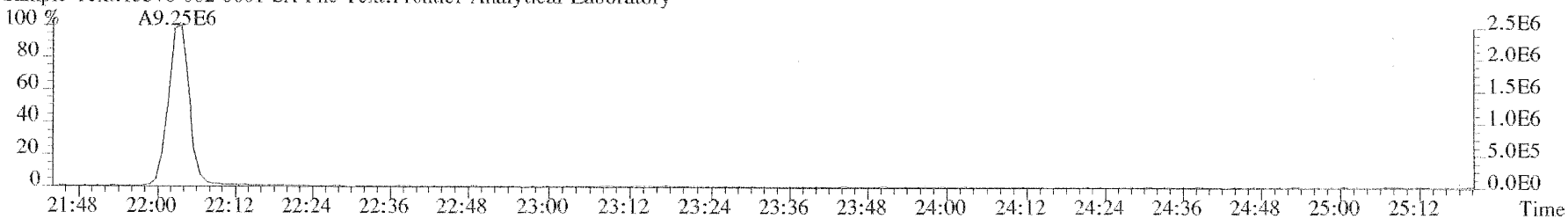
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



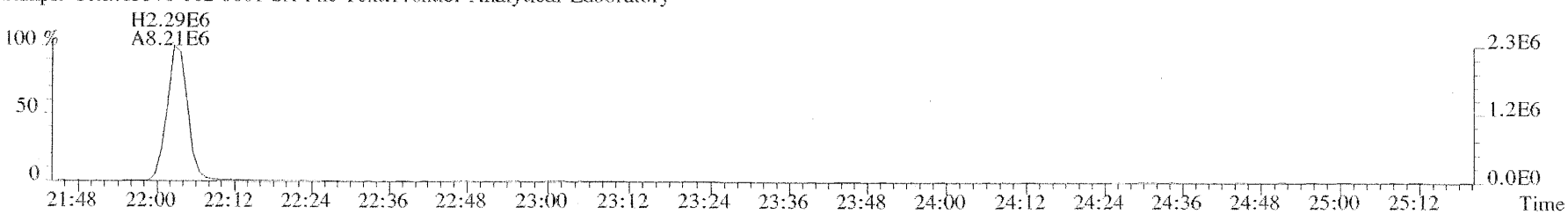
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



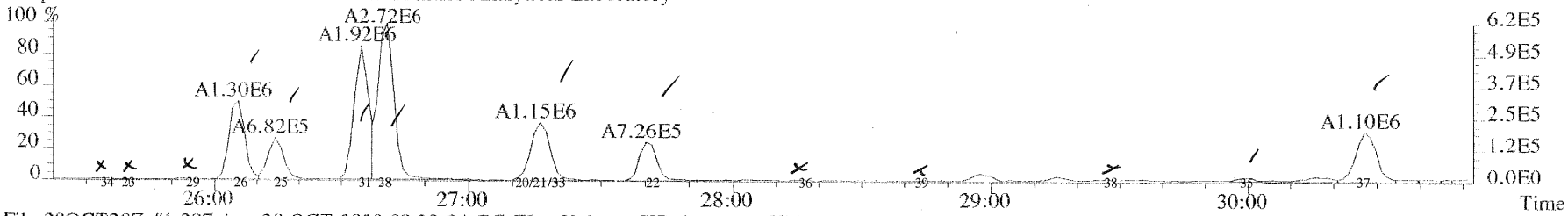
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



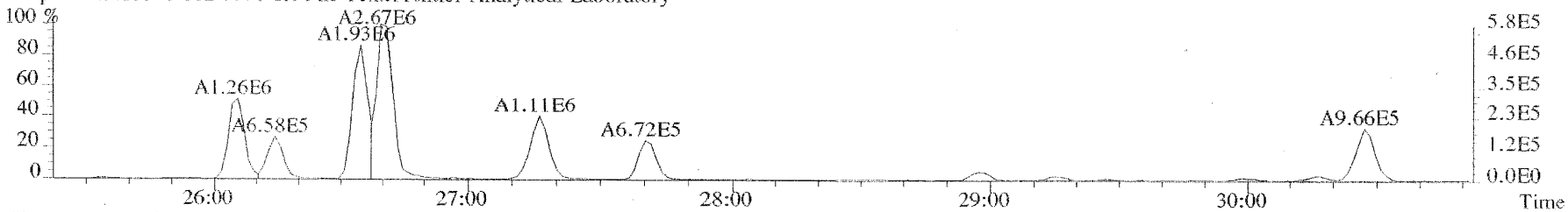
File:28OCT20Z #1-467 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



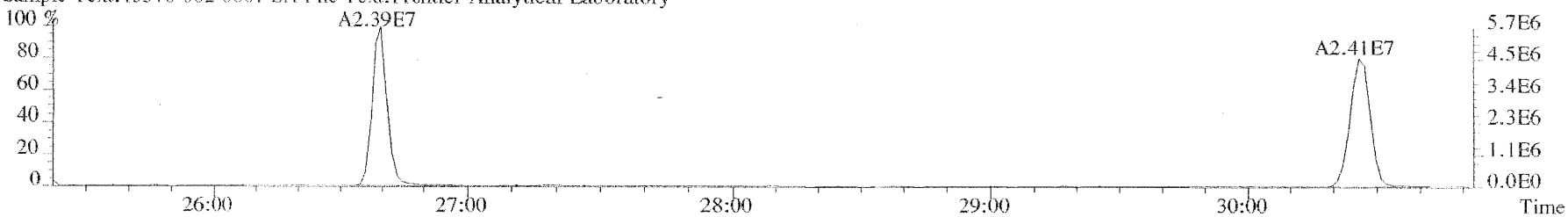
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



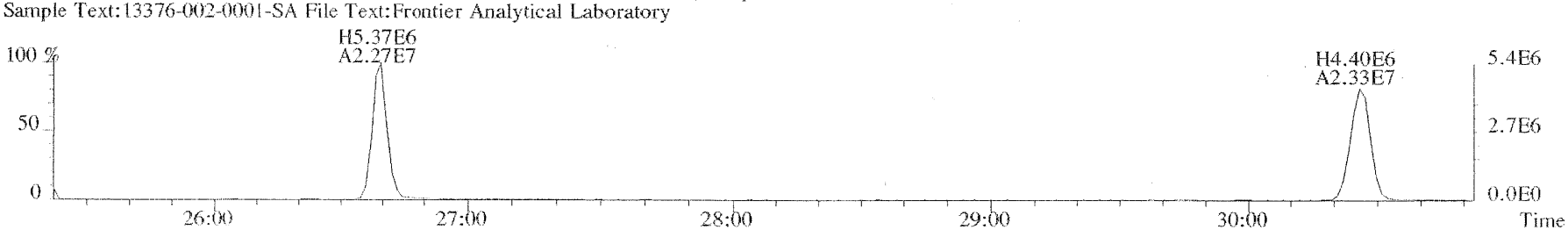
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



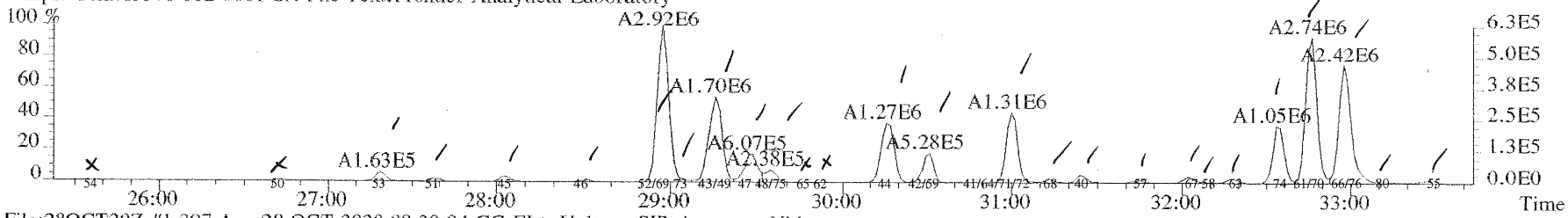
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



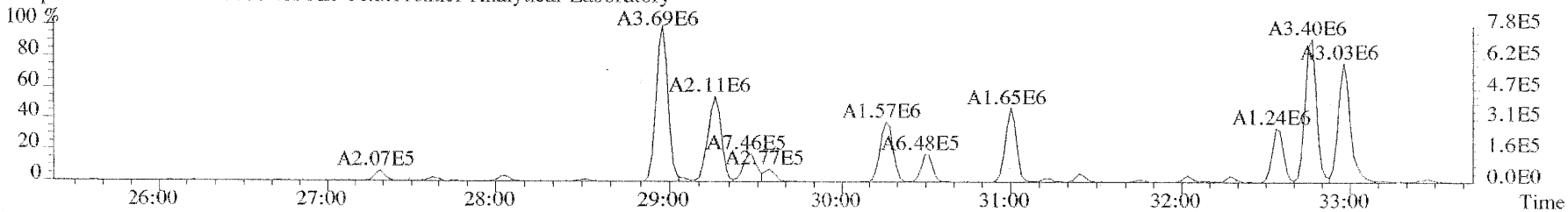
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



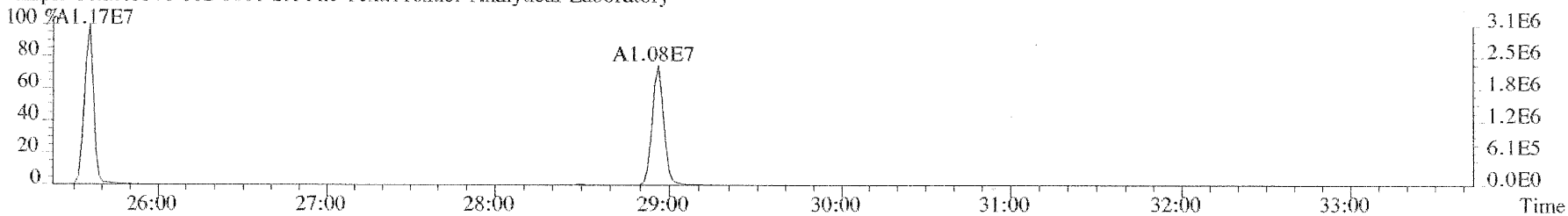
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



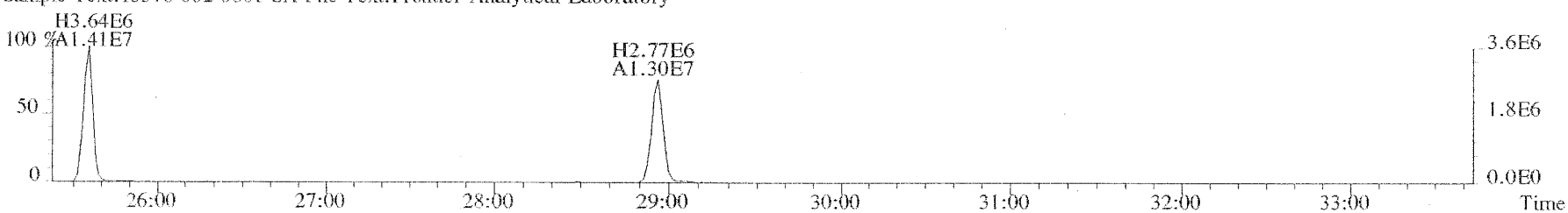
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



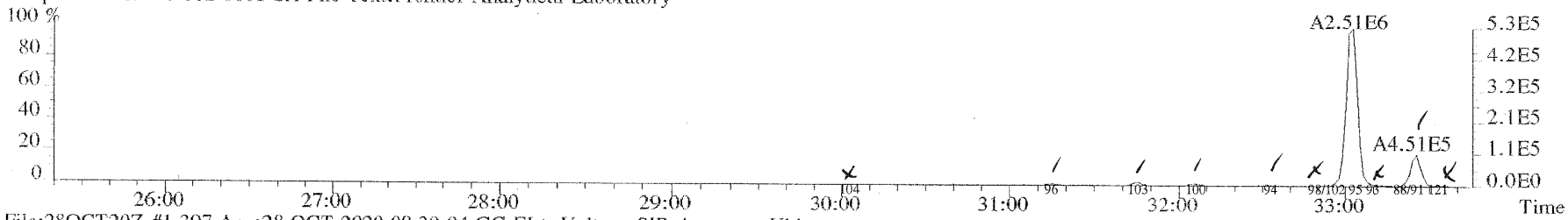
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



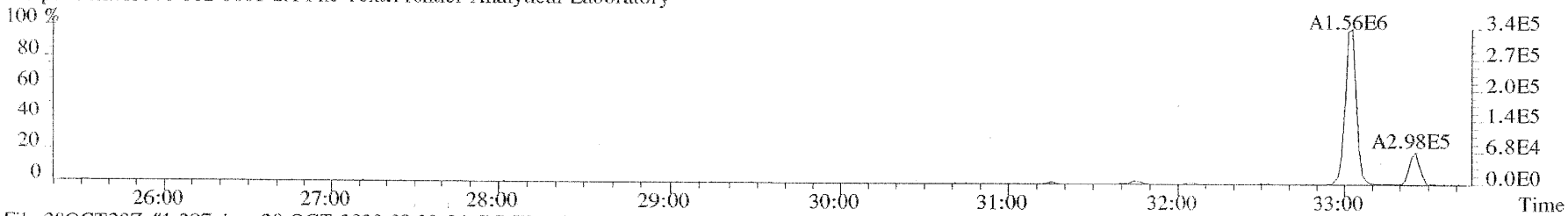
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



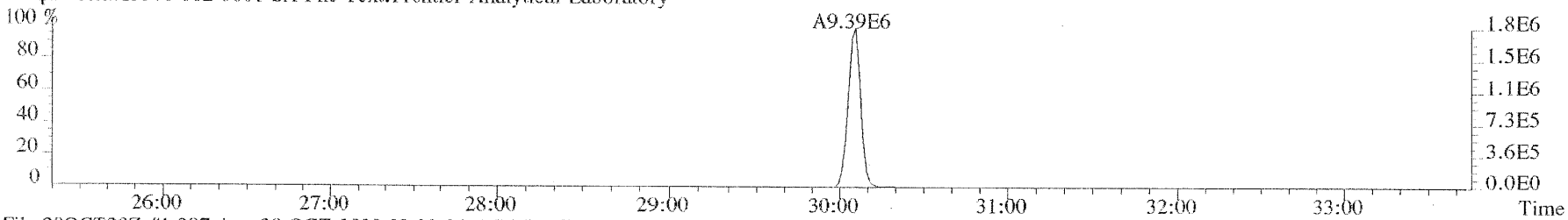
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



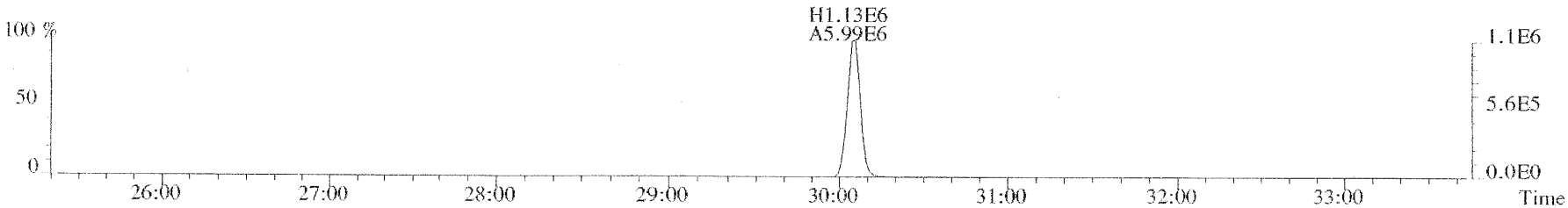
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



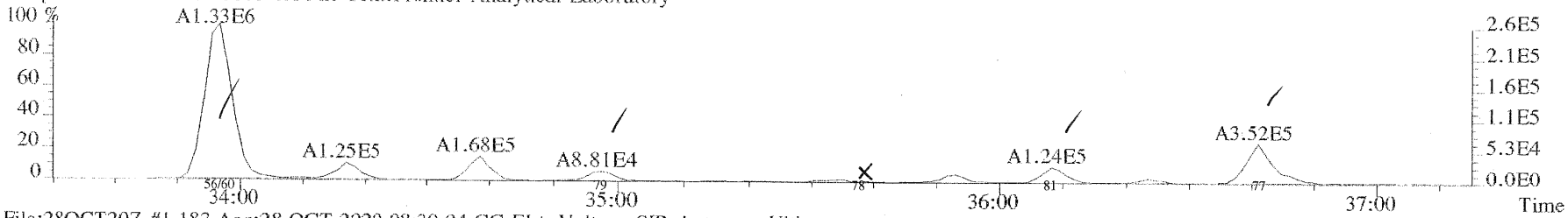
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



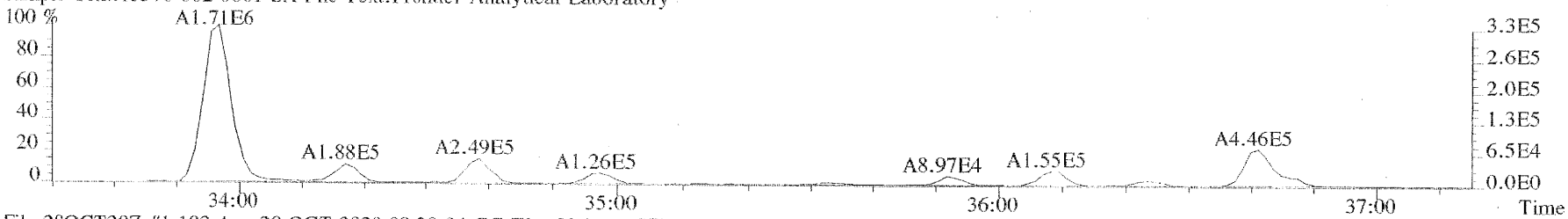
File:28OCT20Z #1-397 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



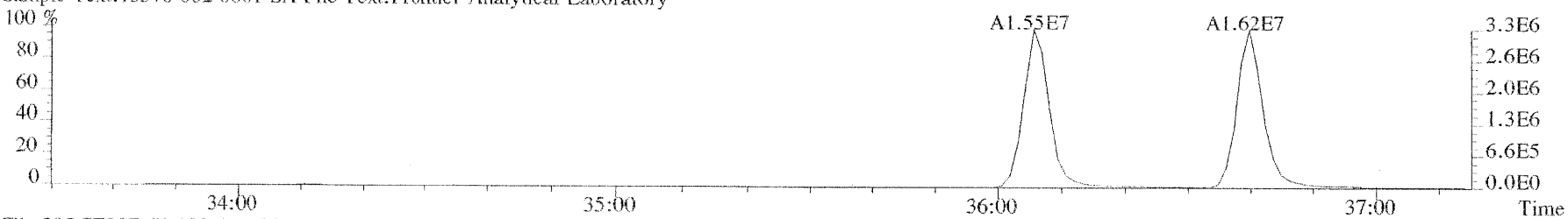
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



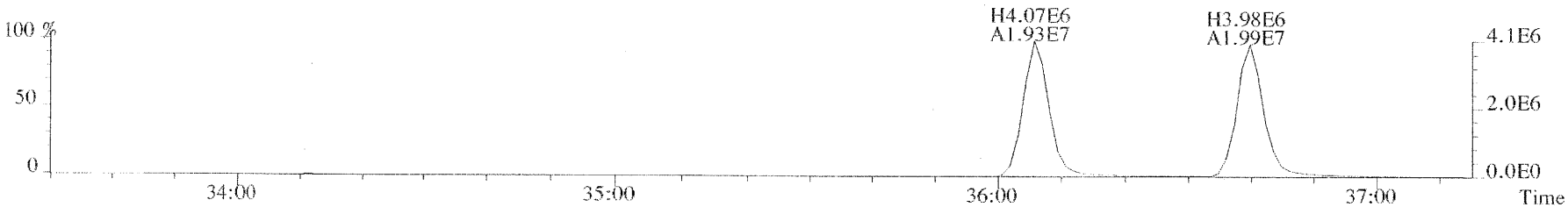
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



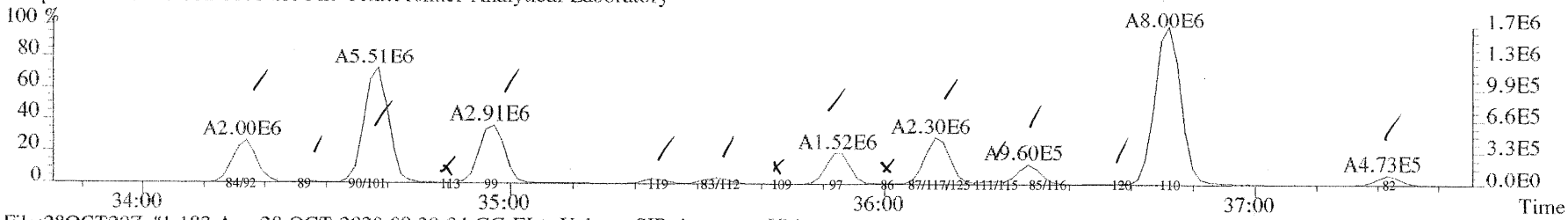
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



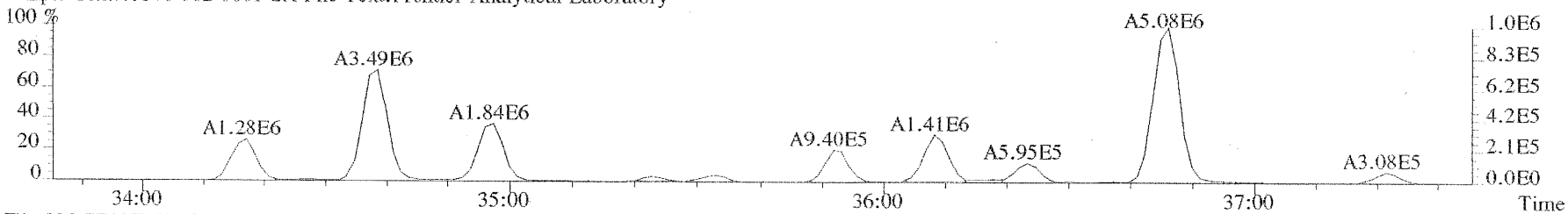
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



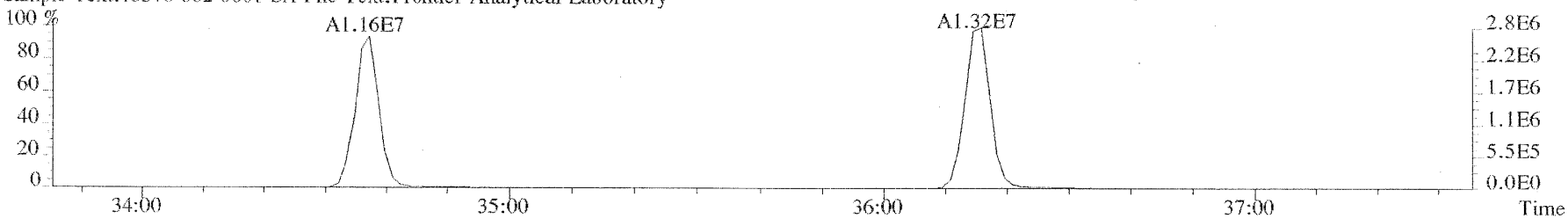
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



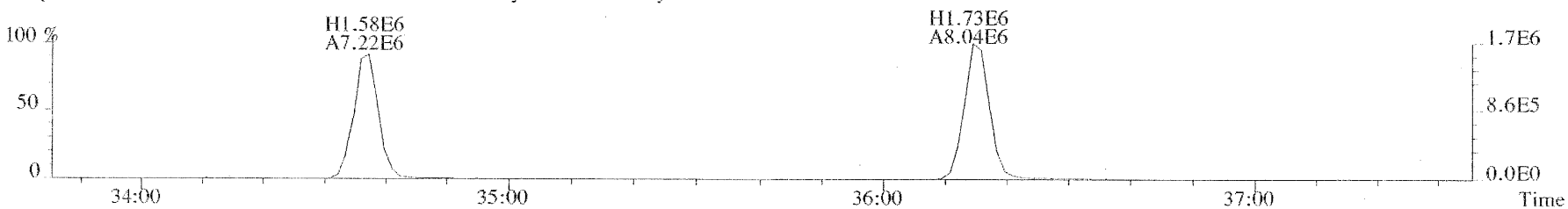
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



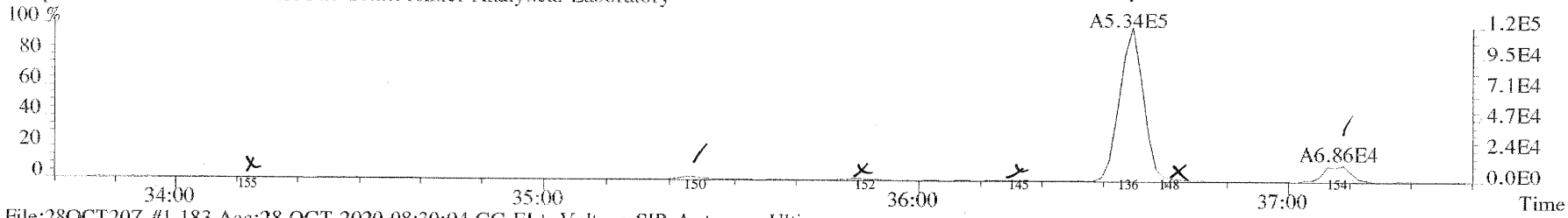
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



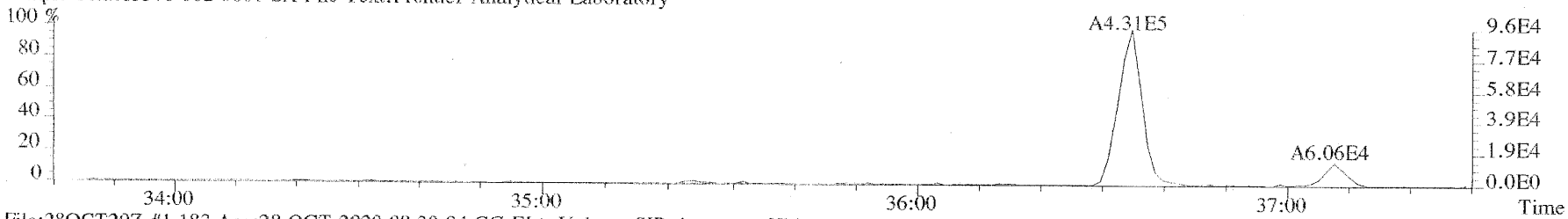
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



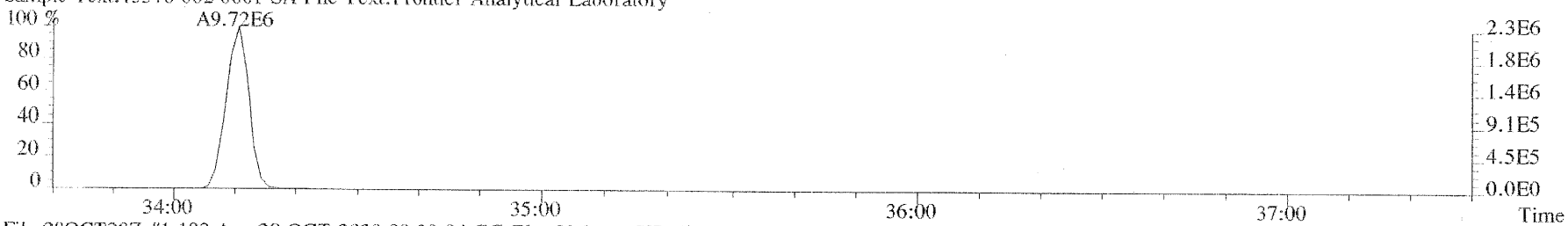
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



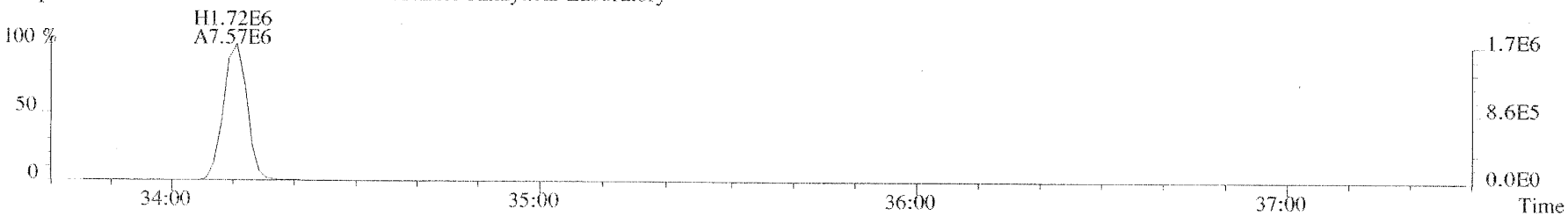
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



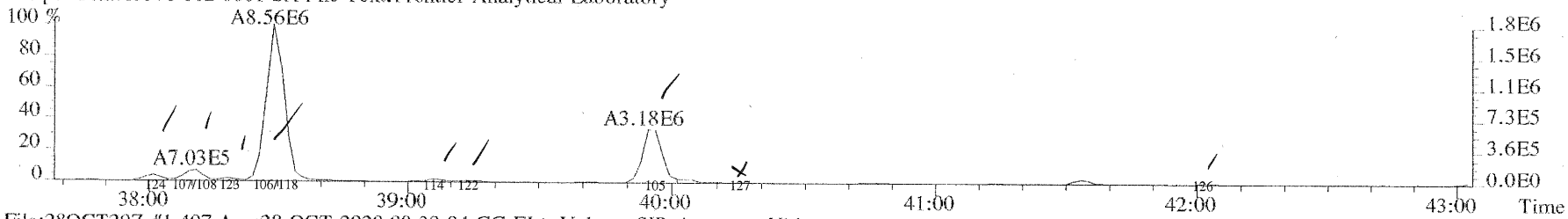
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



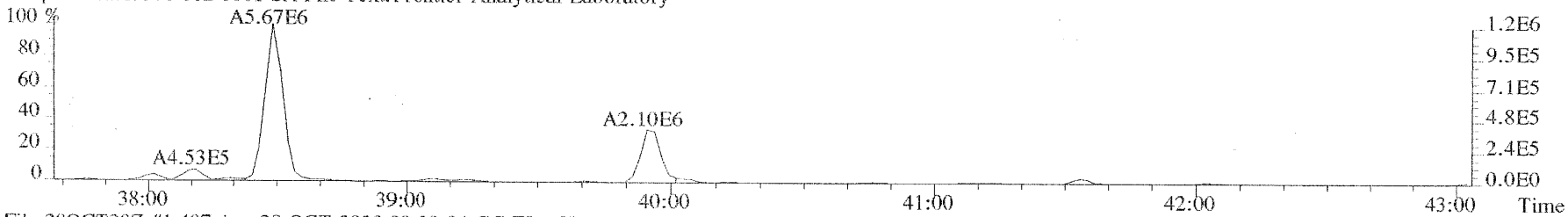
File:28OCT20Z #1-183 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



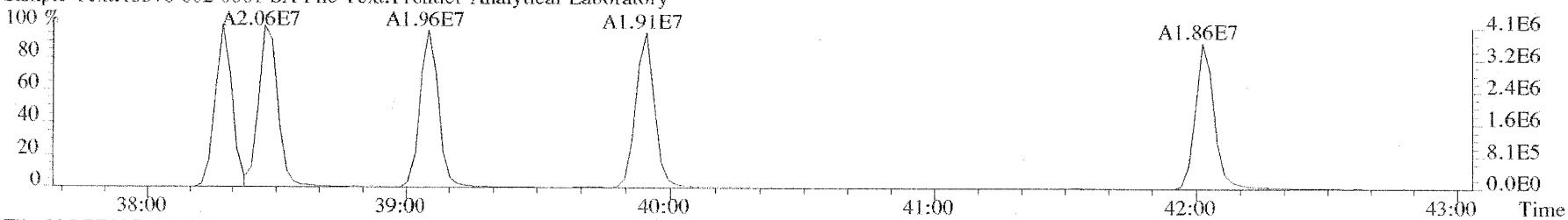
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



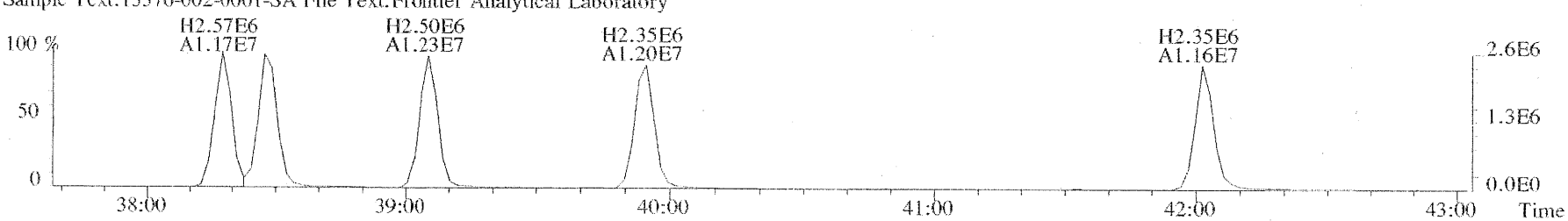
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



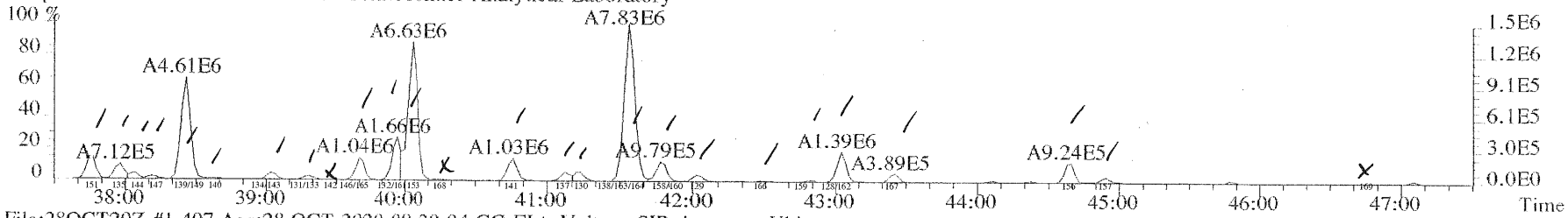
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



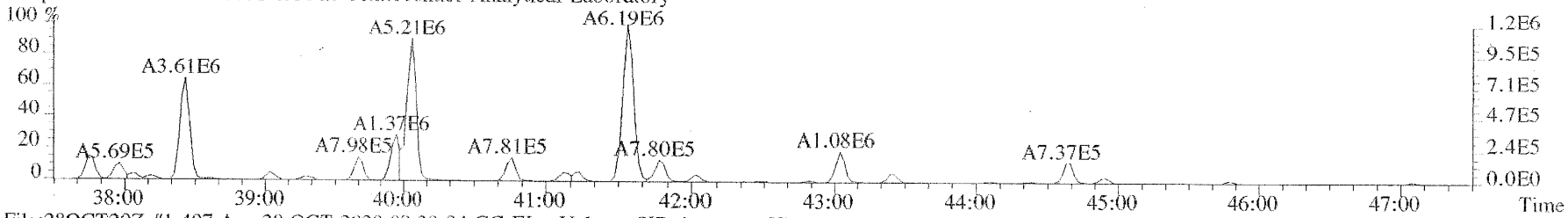
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



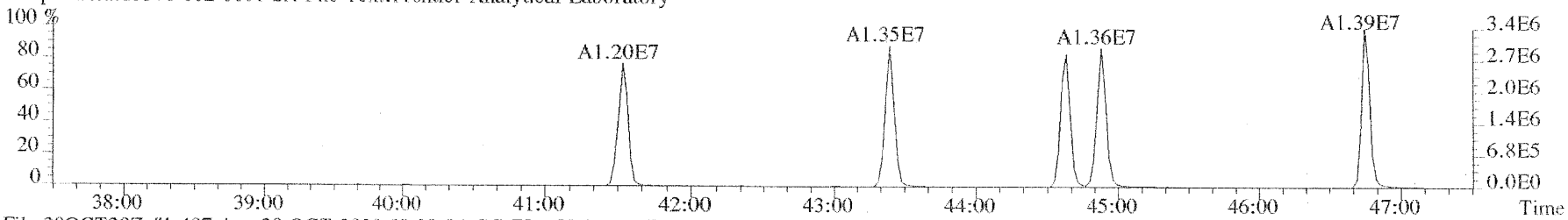
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



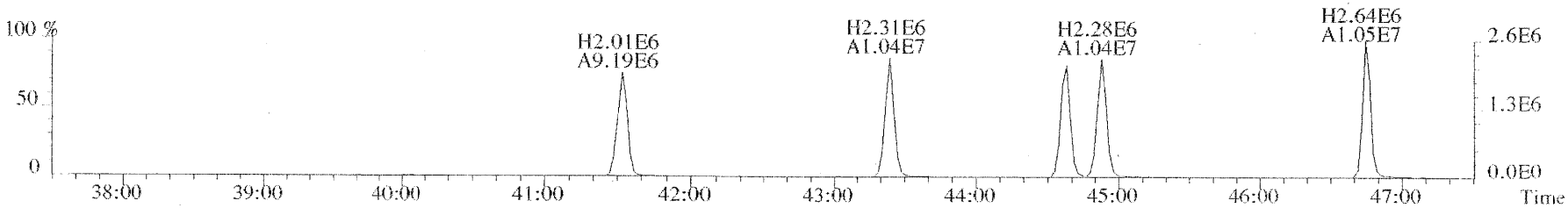
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



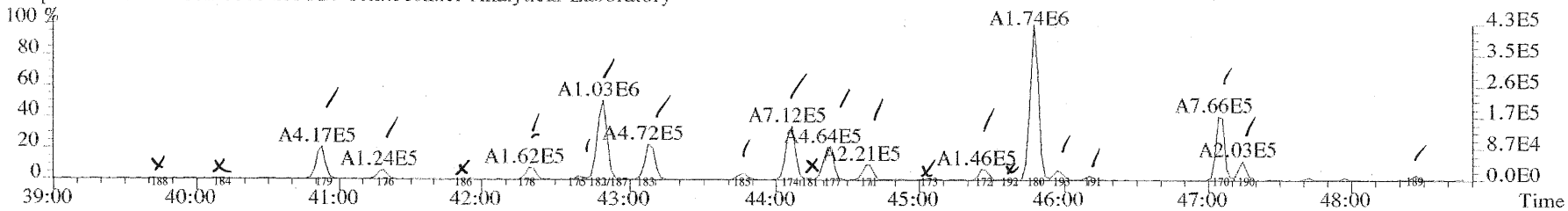
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



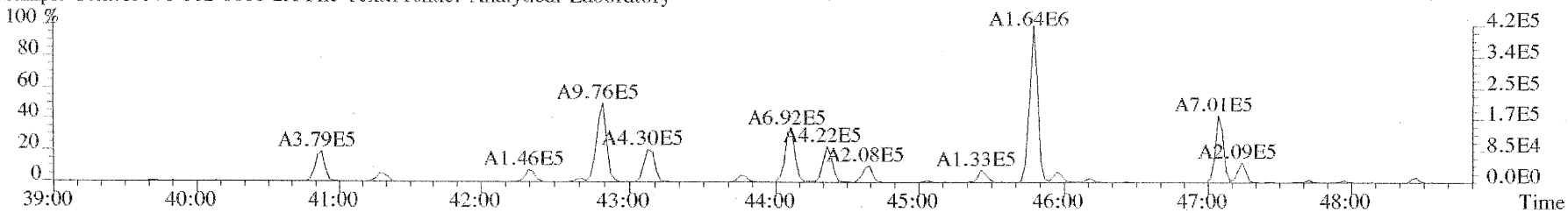
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



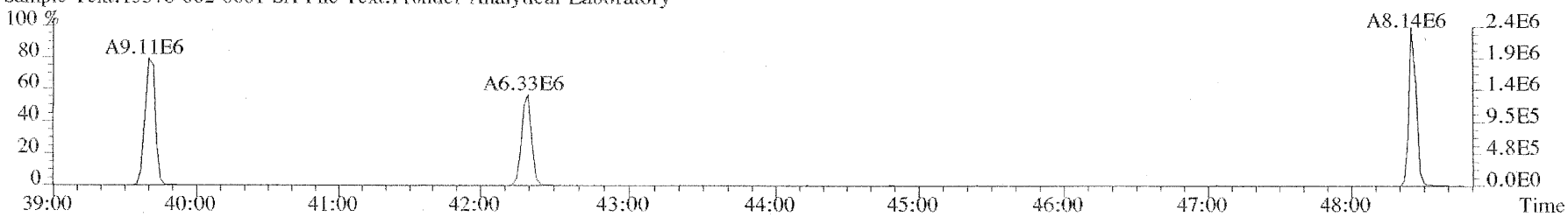
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



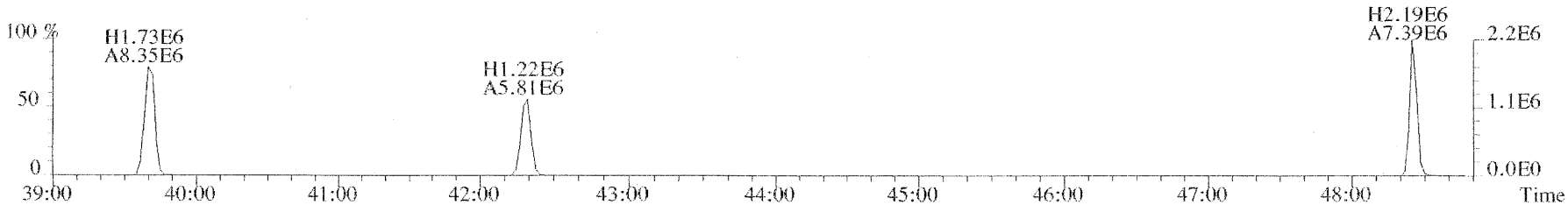
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



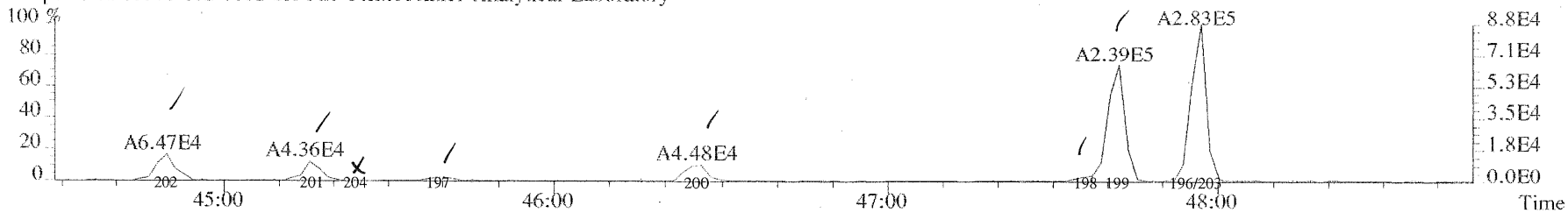
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



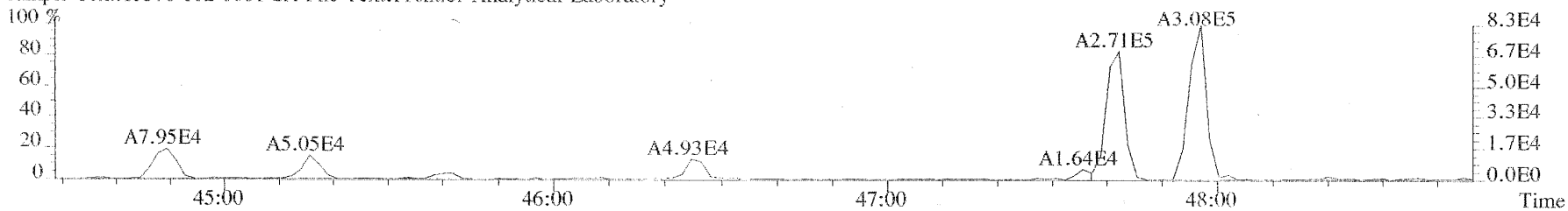
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



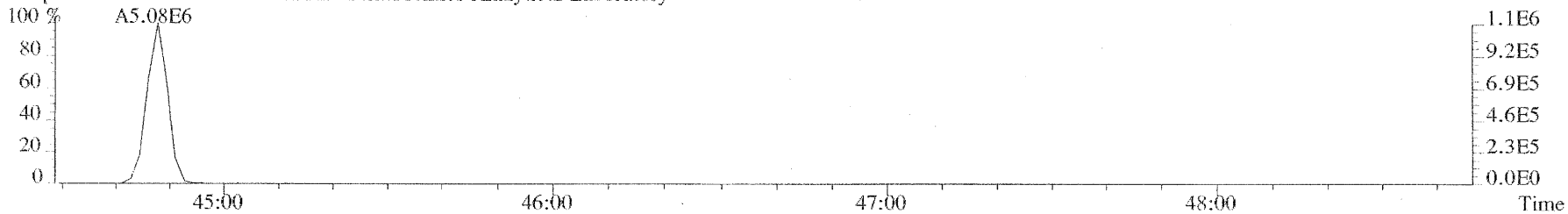
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



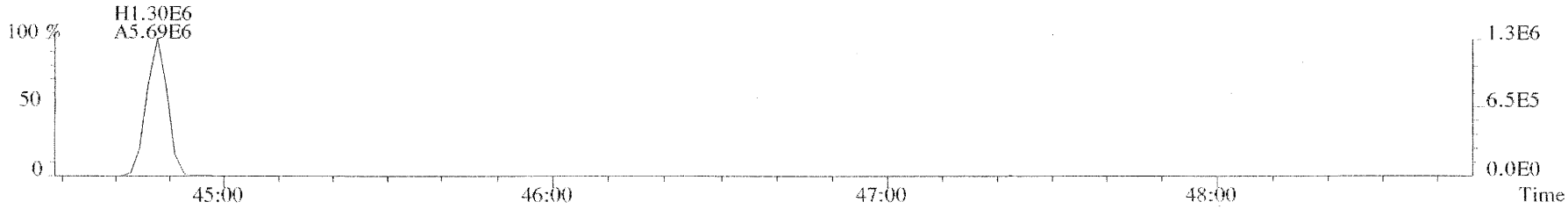
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



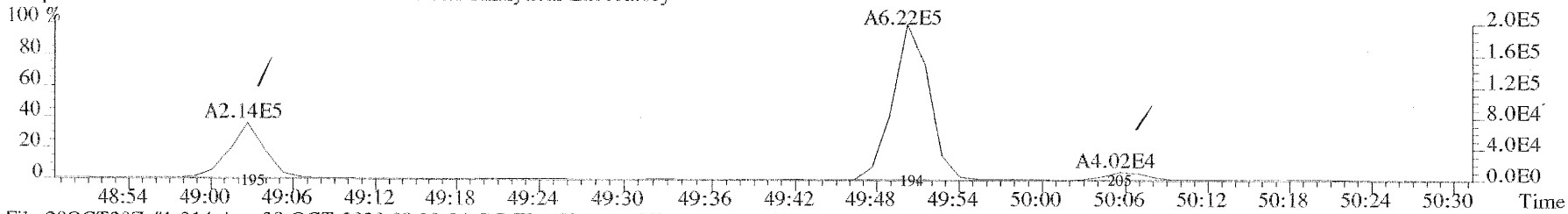
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



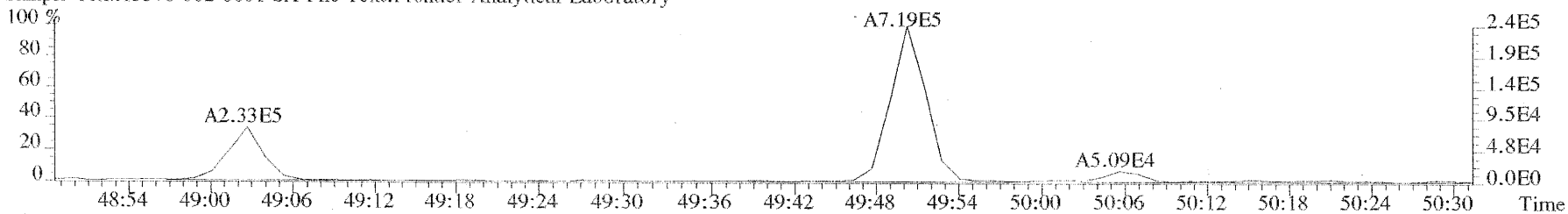
File:28OCT20Z #1-407 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



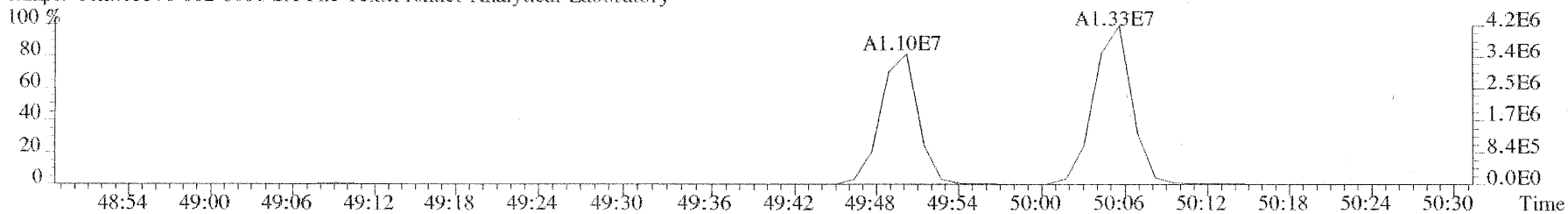
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



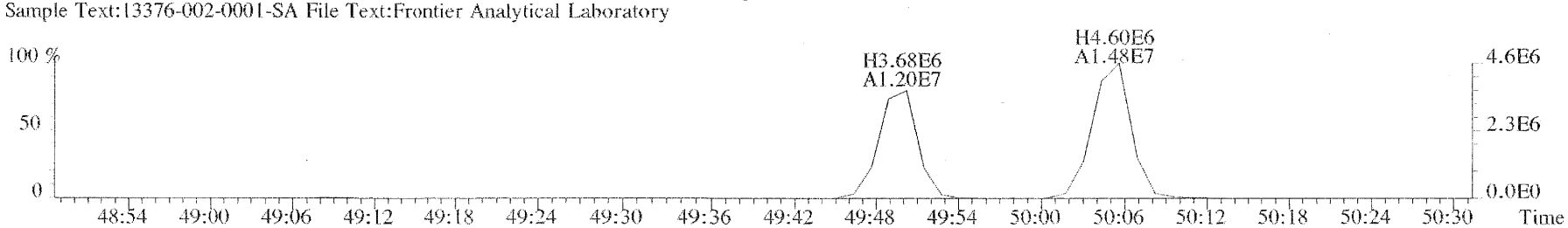
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



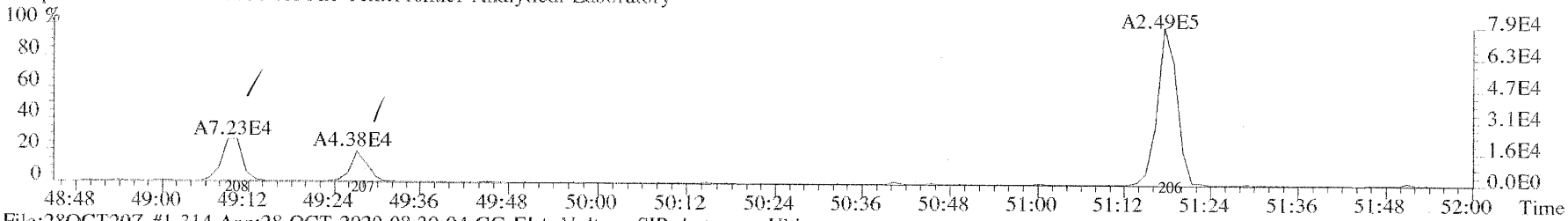
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



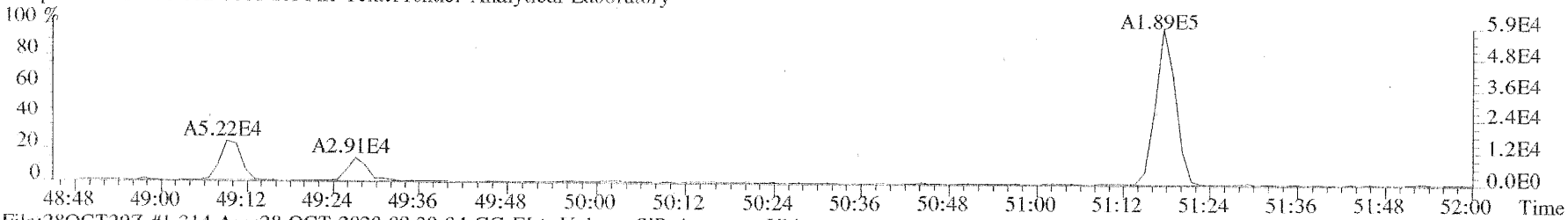
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



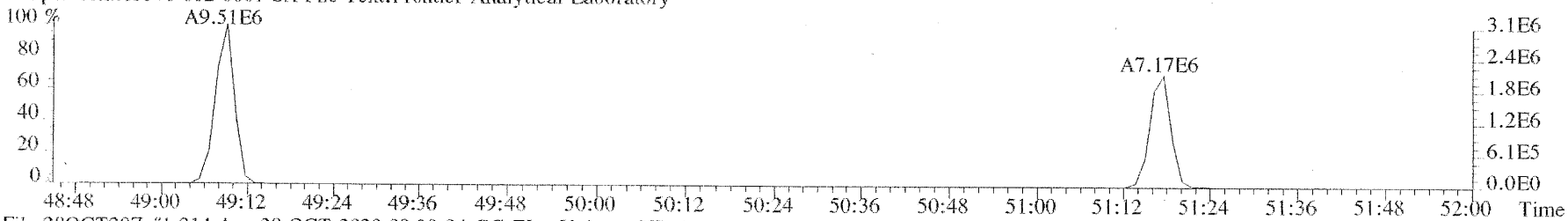
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



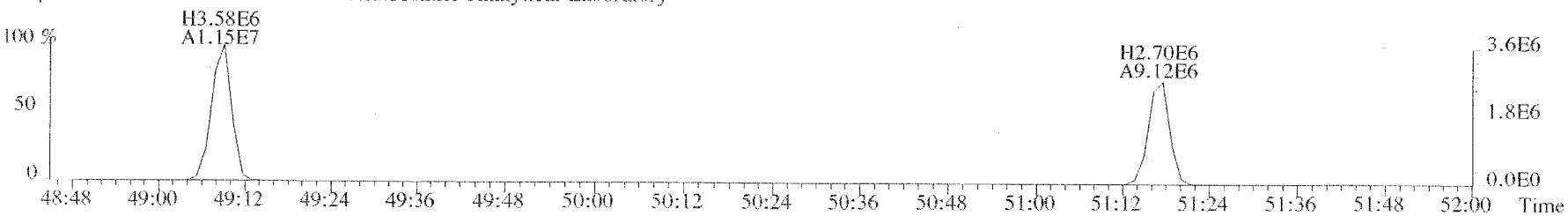
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



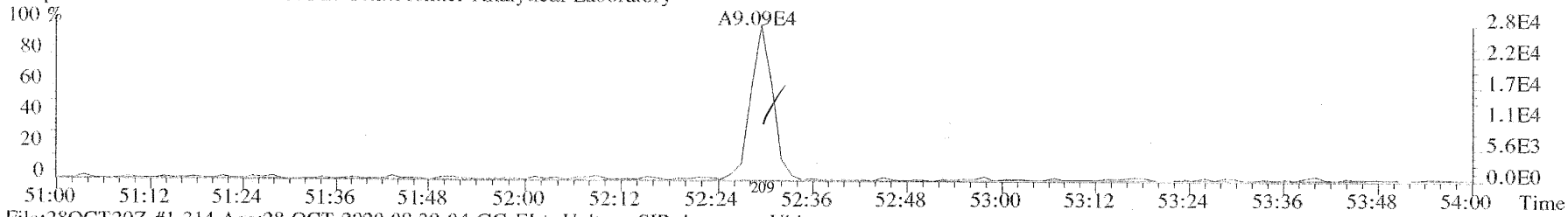
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



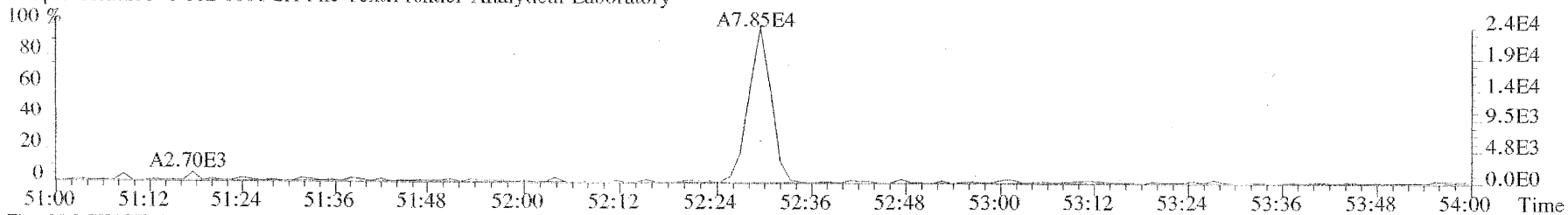
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



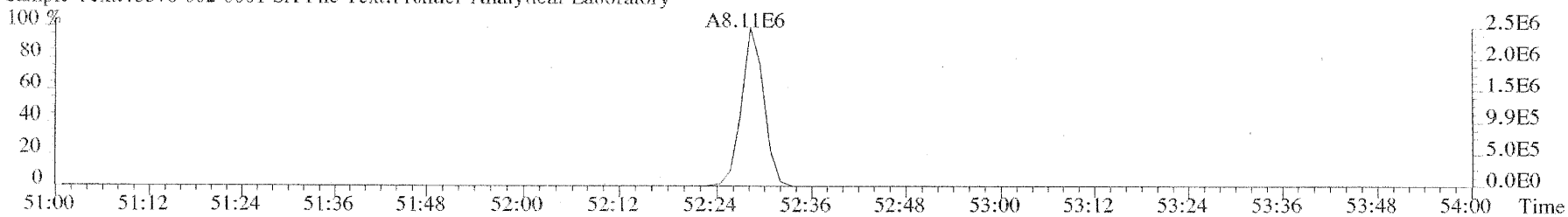
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



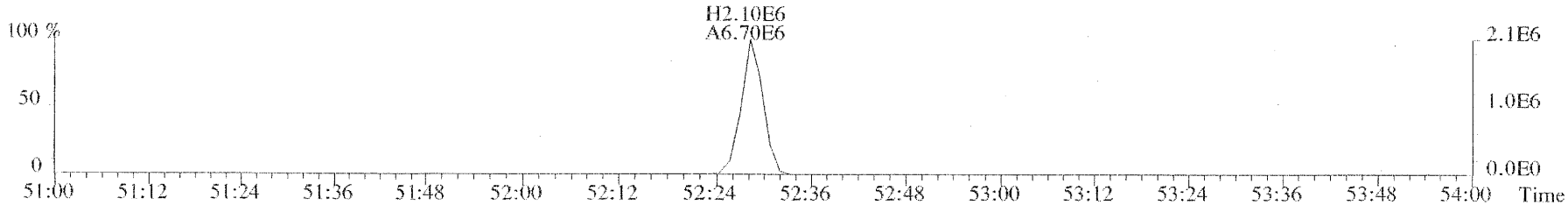
File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-002-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 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:13376-002-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 08:30:04 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:13376-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13376-003-0001-SA Filename: 28OCT20Z Sam:4 Acquired: 28-OCT-20 09:28:25 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR-CC-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13389 GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	8.92e+05	3.25 y	14:33	1.34	18.7		-	-	*			
13C-PCB-1	3.56e+07	3.31 y	14:32	0.84	816					81.8	9.70e+06	2.88e+06
PCB-2	2.54e+05	3.16 y	16:45	1.37	5.26		-	-	*			
PCB-3	8.37e+05	3.03 y	16:58	1.35	17.7		-	-	*			
13C-PCB-3	3.49e+07	3.38 y	16:57	0.80	841					84.2	8.40e+06	2.54e+06
PCB-4	6.45e+05	1.45 y	18:12	1.00	21.2		-	-	*			
PCB-10	9.06e+04	1.36 y	18:15	1.38	1.59	J	-	-	*			
13C-PCB-4	3.06e+07	1.60 y	18:11	0.65	904					90.6	6.07e+06	3.86e+06
PCB-9	2.75e+05	1.51 y	19:53	1.36	4.87		-	-	*			
PCB-7	2.60e+05	1.45 y	19:55	1.34	4.69		-	-	*			
PCB-6	1.32e+06	1.50 y	20:30	1.31	24.2		-	-	*			
PCB-8	3.81e+06	1.44 y	20:52	1.27	72.3		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		620	3200	0.610			
PCB-14	*	* n	NotFnd	1.28	*		620	3200	0.619			
PCB-11	5.43e+05	1.37 y	23:03	1.21	10.8		-	-	*			
PCB-13	5.41e+05	1.44 y	23:24	1.22	10.7		-	-	*			
PCB-12	5.86e+05	1.73 y	23:26	1.23	11.5		-	-	*			
PCB-15	3.43e+06	1.40 y	23:44	1.12	58.4		-	-	*			
13C-PCB-15	5.23e+07	1.63 y	23:42	0.94	1080					108	8.44e+06	5.28e+06
PCB-19	1.42e+05	1.19 y	22:04	1.48	5.99		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		2020	1020	0.755			
PCB-18	1.75e+06	1.10 y	23:38	1.50	72.9		-	-	*			
PCB-17	8.63e+05	1.06 y	23:48	1.60	33.7		-	-	*			
PCB-27	1.55e+05	1.01 y	24:18	2.07	4.69		-	-	*			
PCB-24	1.81e+05	1.01 y	24:19	2.08	5.45		-	-	*			
PCB-16	6.17e+05	1.00 y	24:49	1.72	22.4		-	-	*			
PCB-32	6.71e+05	1.05 y	24:50	1.82	23.1		-	-	*			
13C-PCB-19	1.60e+07	1.11 y	22:03	0.37	825					82.7	2.47e+06	2.19e+06
13C-PCB-9	5.18e+07	1.62 y	19:51	-	8.63							
PCB-34	4.90e+04	1.03 y	25:34	1.09	1.27	J	-	-	*			
PCB-23	4.53e+04	1.05 y	25:36	1.06	1.20	J	-	-	*			
PCB-29	5.84e+04	1.00 y	25:54	1.11	1.48	J	-	-	*			
PCB-26	4.15e+06	1.05 y	26:07	1.09	107		-	-	*			
PCB-25	1.98e+06	1.02 y	26:15	1.05	52.7		-	-	*			
PCB-31	7.11e+06	1.01 y	26:36	1.05	190		-	-	*			
PCB-28	8.70e+06	1.04 y	26:41	1.32	185		-	-	*			
PCB-20	4.00e+06	1.10 y	27:17	1.06	105		-	-	*		Co-elute PCB 21/33	
PCB-21	4.00e+06	1.10 y	27:17	1.06	105		-	-	*		Co-elute PCB 20/33	
PCB-33	4.00e+06	1.10 y	27:17	1.06	105		-	-	*		Co-elute PCB 20/21	
PCB-22	2.68e+06	1.14 y	27:41	1.15	65.3		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1200	1030	0.797			
PCB-39	*	* n	NotFnd	1.12	*		1200	1030	0.776			
PCB-38	1.81e+05	1.07 y	29:28	1.13	4.50		-	-	*			
PCB-35	4.63e+05	1.07 y	30:00	1.09	11.9		-	-	*			
PCB-37	2.77e+06	0.94 y	30:30	1.13	68.9		-	-	*			
13C-PCB-37	3.56e+07	1.06 y	30:27	1.64	1030					103	3.34e+06	3.06e+06

PCB-54	*	*	n	NotFnd	1.32	*	884	1210	0.710			
PCB-50	*	*	n	NotFnd	1.09	*	884	1210	0.862			
PCB-53	5.76e+05	0.82	y	27:20	1.03	24.4	-	-	*			
PCB-51	1.61e+05	0.72	y	27:39	1.05	6.73	-	-	*			
PCB-45	3.51e+05	0.80	y	28:04	0.92	16.7	-	-	*			
PCB-46	1.31e+05	0.69	y	28:32	0.87	6.55	-	-	*			
PCB-52	1.12e+07	0.81	y	28:58	1.13	432	-	-	*	Co-elute PCB 69		
PCB-69	1.12e+07	0.81	y	28:58	1.13	432	-	-	*	Co-elute PCB 52		
PCB-73	1.32e+05	0.87	y	29:05	1.31	4.43	-	-	*			
PCB-43	5.29e+06	0.82	y	29:16	0.99	234	-	-	*	Co-elute PCB 49		
PCB-49	5.29e+06	0.82	y	29:16	0.99	234	-	-	*	Co-elute PCB 43		
PCB-47	1.70e+06	0.80	y	29:28	1.07	69.3	-	-	*			
PCB-48	1.70e+06	0.80	y	29:28	1.26	59.1	-	-	*	Co-elute PCB 75		
PCB-75	6.65e+05	0.82	y	29:35	1.26	23.1	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.28	*	884	1210	0.731			
PCB-62	*	*	n	NotFnd	1.29	*	884	1210	0.727			
PCB-44	4.01e+06	0.82	y	30:17	0.86	204	-	-	*			
PCB-42	1.37e+06	0.81	y	30:32	1.10	54.4	-	-	*	Co-elute PCB 59		
PCB-59	1.37e+06	0.81	y	30:32	1.10	54.4	-	-	*	Co-elute PCB 42		
PCB-72	3.30e+06	0.80	y	31:10	1.22	119	-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.30e+06	0.80	y	31:10	1.22	119	-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.30e+06	0.80	y	31:10	1.22	119	-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.30e+06	0.80	y	31:10	1.22	119	-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.30e+04	0.82	y	31:26	1.40	2.91	-	-	*			
PCB-40	3.33e+05	0.77	y	31:38	0.79	18.4	-	-	*			
PCB-57	9.94e+04	0.80	y	31:59	1.30	3.35	-	-	*			
PCB-67	3.52e+05	0.78	y	32:18	1.30	11.8	-	-	*			
PCB-58	5.96e+04	0.75	y	32:23	1.27	2.06	-	-	*			
PCB-63	3.31e+05	0.75	y	32:30	1.30	11.2	-	-	*			
PCB-74	4.04e+06	0.81	y	32:44	1.30	136	-	-	*			
PCB-61	1.12e+07	0.79	y	32:55	1.18	414	-	-	*	Co-elute PCB 70		
PCB-70	1.12e+07	0.79	y	32:55	1.18	414	-	-	*	Co-elute PCB 61		
PCB-76	8.59e+06	0.80	y	33:05	1.33	282	-	-	*	Co-elute PCB 66		
PCB-66	8.59e+06	0.80	y	33:05	1.33	282	-	-	*	Co-elute PCB 76		
PCB-80	1.08e+05	0.76	y	33:13	1.55	3.06	-	-	*			
PCB-55	2.55e+05	0.82	y	33:34	1.33	8.42	-	-	*			
13C-PCB-54	2.28e+07	0.83	y	25:36	1.14	946				94.8	2.54e+06	3.03e+06
PCB-104	*	*	n	NotFnd	1.27	*	260	352	0.530			
PCB-96	4.07e+04	1.71	y	31:26	1.20	2.90	-	-	*			
PCB-103	8.78e+04	1.52	y	31:59	1.03	7.32	-	-	*			
PCB-100	5.20e+04	1.61	y	32:19	1.03	4.31	-	-	*			
PCB-94	3.74e+04	1.58	y	32:41	0.85	3.74	-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*	260	352	0.791	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.85	*	260	352	0.791	Co-elute PCB 98		
PCB-95	8.14e+06	1.58	y	33:09	0.91	762	-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*	260	352	0.743			
PCB-88	1.34e+06	1.59	y	33:32	0.95	121	-	-	*	Co-elute PCB 91		
PCB-91	1.34e+06	1.59	y	33:32	0.95	121	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.16	*	260	352	0.585			
13C-PCB-104	1.17e+07	1.61	y	30:05	0.71	774				77.6	1.38e+06	8.72e+05
13C-PCB-28	4.91e+07	1.07	y	26:39	1.91	1220				122	6.01e+06	5.80e+06
13C-PCB-52	2.11e+07	0.82	y	28:57	-	7.28						

PCB-56	5.50e+06	0.80	y	34:02	1.14	136		-	-	*		Co-elute PCB 60	
PCB-60	5.50e+06	0.80	y	34:02	1.14	136		-	-	*		Co-elute PCB 56	
PCB-79	3.90e+05	0.69	y	35:01	1.20	9.21		-	-	*			
PCB-78	*	*	n	NotFnd	1.17	*		1060	1230	0.656			
PCB-81	6.17e+05	0.74	y	36:12	1.24	14.3		-	-	*			
13C-PCB-81	3.45e+07	0.81	y	36:08	1.70	1090					109	3.18e+06	4.02e+06
PCB-77	1.74e+06	0.82	y	36:43	1.09	43.9		-	-	*			
13C-PCB-77	3.61e+07	0.81	y	36:42	1.77	1090					109	3.44e+06	4.32e+06
PCB-155	*	*	n	NotFnd	1.21	*		432	472	0.552			
PCB-150	3.09e+04	1.37	y	35:26	1.16	1.83	J	-	-	*			
PCB-152	*	*	n	NotFnd	1.16	*		432	472	0.574			
PCB-145	*	*	n	NotFnd	1.17	*		432	472	0.572			
PCB-136	1.85e+06	1.29	y	36:37	1.05	122		-	-	*			
PCB-148	*	*	n	NotFnd	0.96	*		432	472	0.695			
PCB-154	1.92e+05	1.35	y	37:10	1.00	13.3		-	-	*			
13C-PCB-155	1.45e+07	1.30	y	34:16	0.95	812					81.4	1.92e+06	1.47e+06
13C-PCB-111	2.01e+07	1.60	y	36:18	1.26	853					85.5	2.85e+06	1.81e+06
13C-PCB-101	1.87e+07	1.64	y	34:41	-	8.12							
PCB-84	6.91e+06	1.59	y	34:21	0.71	312		-	-	*		Co-elute PCB 92	
PCB-92	6.91e+06	1.59	y	34:21	0.71	312		-	-	*		Co-elute PCB 84	
PCB-89	1.33e+05	1.58	y	34:31	0.71	5.93		-	-	*			
PCB-90	1.79e+07	1.57	y	34:42	0.80	716		-	-	*		Co-elute PCB 101	
PCB-101	1.79e+07	1.57	y	34:42	0.80	716		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.86	*		1080	1010	0.921			
PCB-99	8.49e+06	1.64	y	35:01	0.91	299		-	-	*			
PCB-119	6.20e+05	1.70	y	35:26	1.01	19.6		-	-	*			
PCB-83	9.07e+05	1.55	y	35:35	0.80	36.4		-	-	*		Co-elute PCB 112	
PCB-112	9.07e+05	1.55	y	35:35	0.80	36.4		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.99	*		1080	1010	0.798			
PCB-97	5.01e+06	1.56	y	35:55	0.68	236		-	-	*			
PCB-86	*	*	n	NotFnd	0.64	*		1080	1010	1.22			
PCB-125	7.83e+06	1.60	y	36:12	0.92	271		-	-	*		Co-elute PCB 87/117	
PCB-87	7.83e+06	1.60	y	36:12	0.92	271		-	-	*		Co-elute PCB 125/117	
PCB-117	7.83e+06	1.60	y	36:12	0.92	271		-	-	*		Co-elute PCB 125/87	
PCB-111	4.41e+05	1.49	y	36:19	1.01	14.0		-	-	*		Co-elute PCB 115	
PCB-115	4.41e+05	1.49	y	36:19	1.01	14.0		-	-	*		Co-elute PCB 111	
PCB-85	2.93e+06	1.55	y	36:26	0.88	107		-	-	*		Co-elute PCB 116	
PCB-116	2.93e+06	1.55	y	36:26	0.88	107		-	-	*		Co-elute PCB 85	
PCB-120	8.27e+04	1.59	y	36:40	1.04	2.53		-	-	*			
PCB-110	2.62e+07	1.60	y	36:48	0.98	853		-	-	*			
PCB-82	1.60e+06	1.62	y	37:24	0.61	83.0		-	-	*			
PCB-124	1.27e+06	1.53	y	38:03	1.10	37.2		-	-	*			
PCB-108	2.11e+06	1.47	y	38:12	1.13	59.6		-	-	*		Co-elute PCB 107	
PCB-107	2.11e+06	1.47	y	38:12	1.13	59.6		-	-	*		Co-elute PCB 108	
PCB-123	5.06e+05	1.34	y	38:21	1.01	16.7		-	-	*			
13C-PCB-123	3.00e+07	1.59	y	38:19	1.33	1060					107	3.94e+06	2.49e+06
PCB-118	2.84e+07	1.56	y	38:31	1.08	805		-	-	*		Co-elute PCB 106	
PCB-106	2.84e+07	1.56	y	38:31	1.08	805		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.26e+07	1.60	y	38:31	1.43	1080					108	4.10e+06	2.46e+06
PCB-114	5.98e+05	1.40	y	39:08	1.13	16.8		-	-	*			
13C-PCB-114	3.14e+07	1.59	y	39:07	1.39	1070					107	4.20e+06	2.60e+06
PCB-122	3.44e+05	1.44	y	39:15	1.12	9.84		-	-	*			
PCB-105	1.16e+07	1.52	y	39:58	1.17	321		-	-	*			
13C-PCB-105	3.10e+07	1.60	y	39:56	1.36	1070					108	4.18e+06	2.55e+06

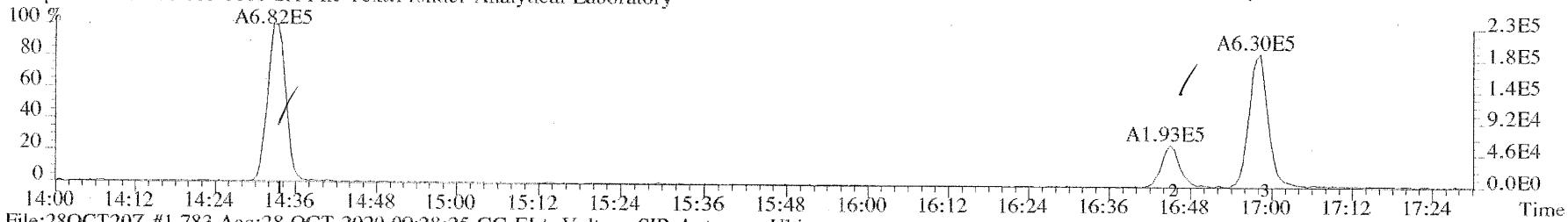
PCB-127	*	*	n	NotFnd	1.08	*	1250	1090	0.815				
PCB-126	3.06e+05	1.61	y	42:05	1.12	8.91	-	-	*				
13C-PCB-126	3.08e+07	1.62	y	42:03	1.30	1120				112	4.08e+06	2.50e+06	
PCB-151	3.53e+06	1.22	y	37:48	0.99	160	-	-	*				
PCB-135	2.46e+06	1.27	y	37:59	0.96	115	-	-	*				
PCB-144	9.96e+05	1.34	y	38:06	1.03	43.2	-	-	*				
PCB-147	5.13e+05	1.35	y	38:14	1.08	21.2	-	-	*				
PCB-139	1.55e+07	1.29	y	38:27	1.07	650	-	-	*				Co-elute PCB 149
PCB-149	1.55e+07	1.29	y	38:27	1.07	650	-	-	*				Co-elute PCB 139
PCB-140	1.51e+05	1.43	y	38:39	1.08	6.27	-	-	*				
PCB-143	1.16e+06	1.27	y	39:04	0.88	59.5	-	-	*				Co-elute PCB 134
PCB-134	1.16e+06	1.27	y	39:04	0.88	59.5	-	-	*				Co-elute PCB 143
PCB-131	6.68e+05	1.31	y	39:20	0.87	34.3	-	-	*				Co-elute PCB 133
PCB-133	6.68e+05	1.31	y	39:20	0.87	34.3	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.91	*	950	720	0.929				
PCB-165	3.32e+06	1.30	y	39:41	1.15	129	-	-	*				Co-elute PCB 146
PCB-146	3.32e+06	1.30	y	39:41	1.15	129	-	-	*				Co-elute PCB 165
PCB-161	6.20e+06	1.25	y	39:58	1.09	255	-	-	*				Co-elute PCB 132
PCB-132	6.20e+06	1.25	y	39:58	1.09	255	-	-	*				Co-elute PCB 161
PCB-153	2.12e+07	1.29	y	40:04	1.19	798	-	-	*				
PCB-168	*	*	n	NotFnd	1.26	*	950	720	0.668				
PCB-141	3.62e+06	1.23	y	40:47	0.98	165	-	-	*				
PCB-137	1.46e+06	1.35	y	41:09	0.93	70.1	-	-	*				
PCB-130	1.43e+06	1.33	y	41:14	0.93	68.7	-	-	*				
PCB-138	2.74e+07	1.28	y	41:35	1.17	1050	-	-	*				Co-elute PCB 163/164
PCB-163	2.74e+07	1.28	y	41:35	1.17	1050	-	-	*				Co-elute PCB 138/164
PCB-164	2.74e+07	1.28	y	41:35	1.17	1050	-	-	*				Co-elute PCB 138/163
PCB-158	3.57e+06	1.24	y	41:48	1.32	121	-	-	*				Co-elute PCB 160
PCB-160	3.57e+06	1.24	y	41:48	1.32	121	-	-	*				Co-elute PCB 158
PCB-129	1.12e+06	1.27	y	42:03	0.86	58.2	-	-	*				
PCB-166	1.13e+05	1.31	y	42:31	1.26	4.02	-	-	*				
PCB-159	1.82e+05	1.15	y	42:51	1.35	6.05	-	-	*				
PCB-128	4.76e+06	1.31	y	43:04	1.09	195	-	-	*				Co-elute PCB 162
PCB-162	4.76e+06	1.31	y	43:04	1.09	195	-	-	*				Co-elute PCB 128
PCB-167	1.41e+06	1.38	y	43:25	1.22	50.4	-	-	*				
13C-PCB-167	2.29e+07	1.30	y	43:25	1.11	976				97.8	2.85e+06	2.21e+06	
PCB-156	3.43e+06	1.28	y	44:39	1.26	124	-	-	*				
13C-PCB-156	2.20e+07	1.30	y	44:39	1.16	893				89.5	2.49e+06	1.94e+06	
PCB-157	9.17e+05	1.26	y	44:56	1.25	32.5	-	-	*				
13C-PCB-157	2.25e+07	1.35	y	44:54	1.13	936				93.8	2.82e+06	2.09e+06	
PCB-169	*	*	n	NotFnd	1.20	*	950	720	0.634				
13C-PCB-169	2.18e+07	1.32	y	46:46	1.06	966				96.8	3.11e+06	2.38e+06	

FAL ID: 13376-003-0001-SA Filename: 28OCT20Z Sam:4 Acquired: 28-OCT-20 09:28:25 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR-CC-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13389 GC Column: DB1MS Amount: 10.02

PCB-188	*	*	n	NotFnd	1.20	*	400	440	0.525			
13C-PCB-188	1.50e+07	1.07	y	39:41	0.88	810				81.1	1.70e+06	1.62e+06
PCB-184	*	*	n	NotFnd	1.30	*	400	440	0.464			
PCB-179	1.32e+06	1.06	y	40:52	1.24	74.5	-	-	*			
PCB-176	4.31e+05	1.14	y	41:20	1.19	25.4	-	-	*			
PCB-186	*	*	n	NotFnd	1.23	*	400	440	0.488			
PCB-178	5.23e+05	1.17	y	42:21	0.88	41.6	-	-	*			
PCB-175	1.23e+05	1.06	y	42:41	0.92	9.36	-	-	*			
PCB-187	3.17e+06	1.08	y	42:51	0.99	224	-	-	*		Co-elute PCB 182	
PCB-182	3.17e+06	1.08	y	42:51	0.99	224	-	-	*		Co-elute PCB 187	
PCB-183	1.52e+06	1.06	y	43:09	0.99	108	-	-	*			
PCB-185	2.77e+05	1.17	y	43:47	0.92	21.1	-	-	*			
PCB-174	2.40e+06	1.10	y	44:06	0.91	185	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	400	440	0.633			
PCB-177	1.49e+06	1.05	y	44:23	0.85	123	-	-	*			
PCB-171	7.74e+05	1.04	y	44:39	0.92	59.1	-	-	*			
PCB-173	7.27e+04	1.15	y	45:04	0.81	6.33	-	-	*			
PCB-172	4.31e+05	1.08	y	45:27	0.85	35.6	-	-	*			
PCB-192	*	*	n	NotFnd	1.10	*	400	440	0.546			
PCB-180	5.46e+06	1.10	y	45:48	0.87	440	-	-	*			
PCB-193	4.06e+05	1.13	y	45:58	1.18	24.2	-	-	*			
PCB-191	1.50e+05	0.95	y	46:11	1.12	9.42	-	-	*			
PCB-170	2.58e+06	1.07	y	47:06	0.85	212	-	-	*			
PCB-190	6.61e+05	0.98	y	47:16	1.12	41.5	-	-	*			
PCB-189	1.38e+05	0.92	y	48:28	1.19	8.65	-	-	*			
13C-PCB-189	1.34e+07	1.07	y	48:26	0.84	750				75.1	1.93e+06	1.75e+06
PCB-202	1.93e+05	1.01	y	44:49	1.10	18.8	-	-	*			
PCB-201	1.57e+05	0.94	y	45:17	1.17	14.4	-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*	368	324	0.759			
PCB-197	5.14e+04	0.95	y	45:40	1.20	4.60	-	-	*			
PCB-200	1.30e+05	0.78	y	46:26	1.15	12.2	-	-	*			
PCB-198	4.06e+04	0.78	y	47:35	0.84	5.17	-	-	*			
PCB-199	7.71e+05	0.89	y	47:42	0.90	92.0	-	-	*			
PCB-203	8.80e+05	0.88	y	47:57	0.95	99.5	-	-	*		Co-elute PCB 196	
PCB-196	8.80e+05	0.88	y	47:57	0.95	99.5	-	-	*		Co-elute PCB 203	
13C-PCB-202	9.29e+06	0.95	y	44:49	0.61	719				72.0	9.26e+05	9.58e+05
13C-PCB-178	1.12e+07	1.09	y	42:19	0.67	786				78.7	1.23e+06	1.14e+06
13C-PCB-138	2.11e+07	1.29	y	41:33	-	8.15						
PCB-195	7.53e+05	0.89	y	49:03	0.80	38.6	-	-	*			
PCB-194	1.92e+06	0.91	y	49:51	0.91	87.0	-	-	*			
PCB-205	1.63e+05	0.78	y	50:07	1.08	6.16	-	-	*			
13C-PCB-205	2.43e+07	0.89	y	50:05	1.25	924				92.5	3.71e+06	4.16e+06
PCB-208	2.02e+05	1.30	y	49:10	1.11	10.0	-	-	*			
13C-PCB-208	1.81e+07	0.82	y	49:09	1.00	858				85.9	2.59e+06	3.10e+06
PCB-207	1.04e+05	1.42	y	49:28	1.25	5.26	-	-	*			
PCB-206	5.85e+05	1.32	y	51:19	1.13	38.1	-	-	*			
13C-PCB-206	1.35e+07	0.81	y	51:17	0.78	816				81.8	1.79e+06	2.27e+06
PCB-209	2.78e+05	1.31	y	52:31	1.26	18.2	-	-	*			
13C-PCB-209	1.21e+07	1.23	y	52:29	0.78	735				73.7	1.93e+06	1.55e+06
13C-PCB-194	2.11e+07	0.93	y	49:50	-	7.47						

Analyst: _____ Date: 11/3/20

File:28OCT20Z #1-783 Acq:28-OCT-2020 09:28:25 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:13376-003-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-783 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
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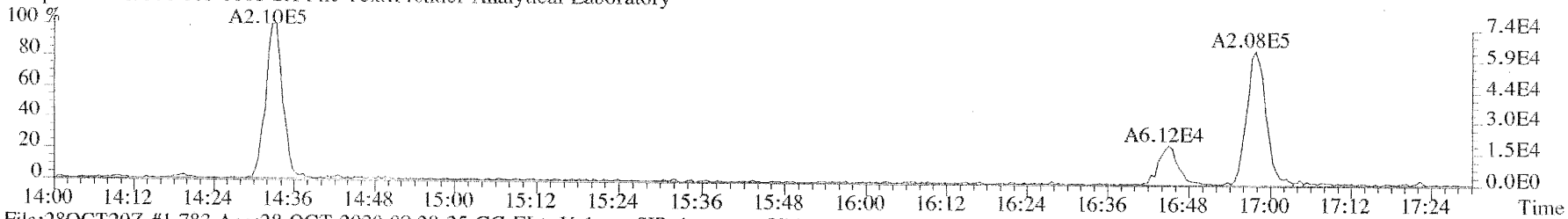
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



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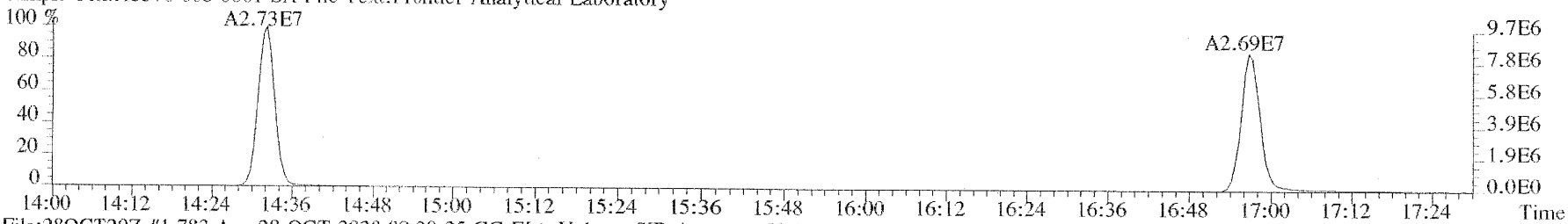
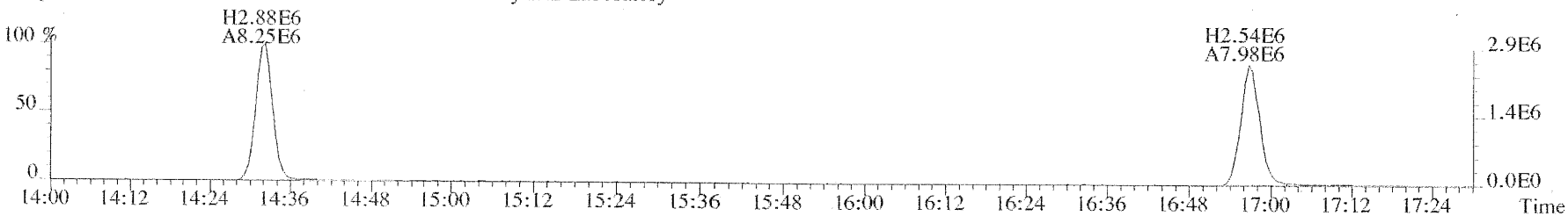
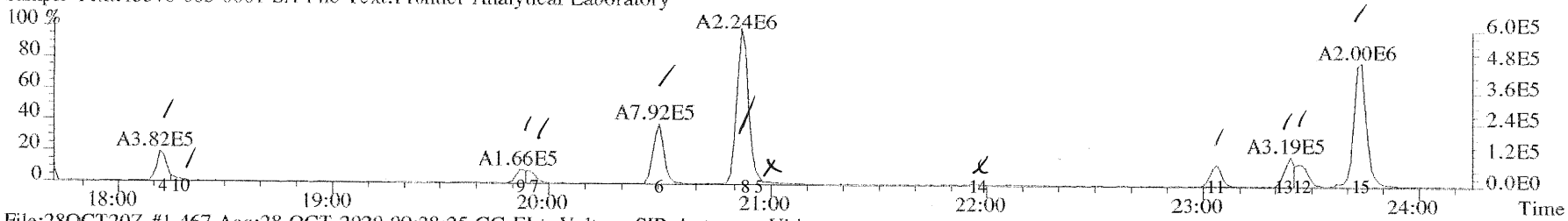
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



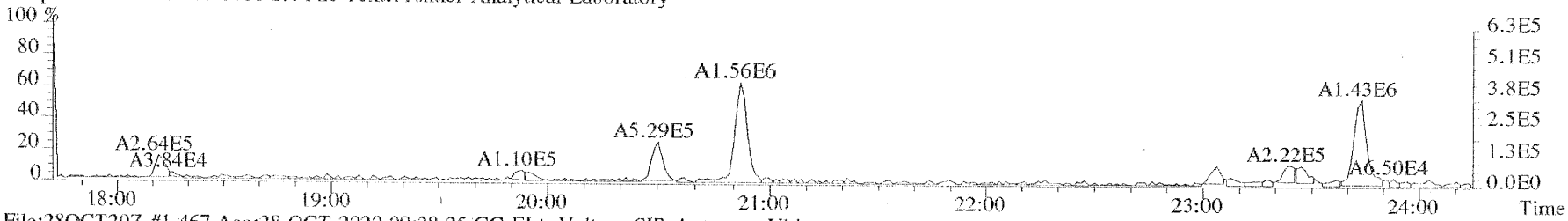
File:28OCT20Z #1-783 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



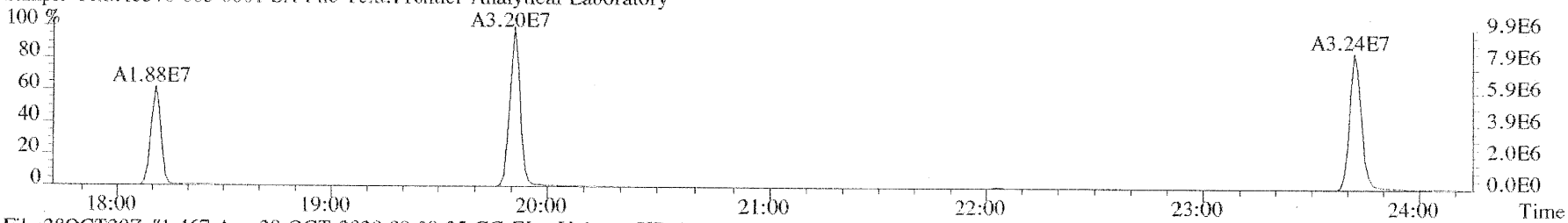
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



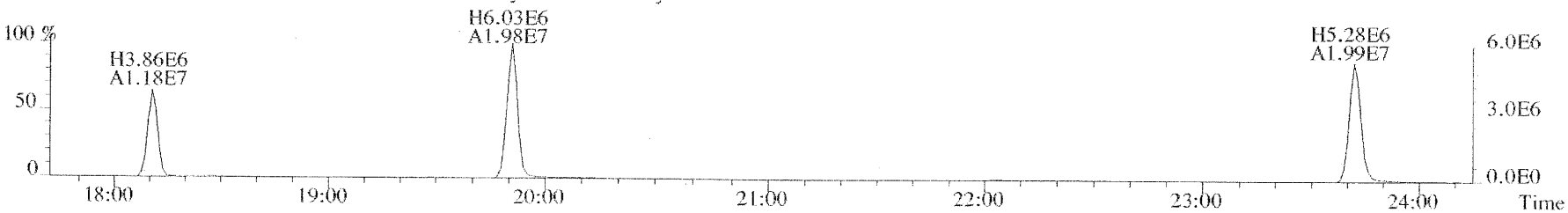
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



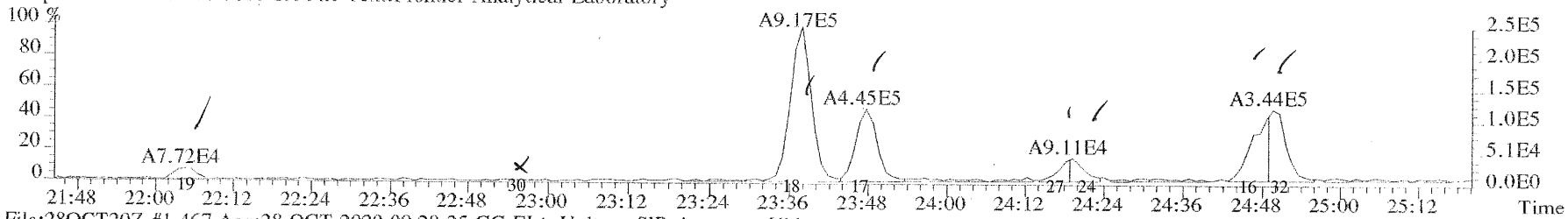
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



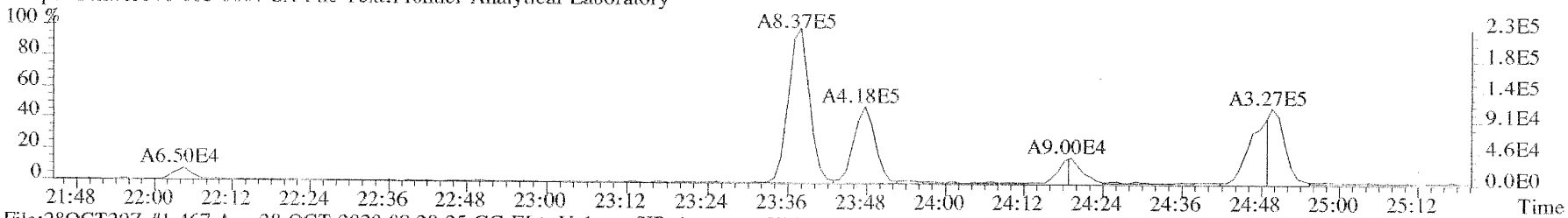
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



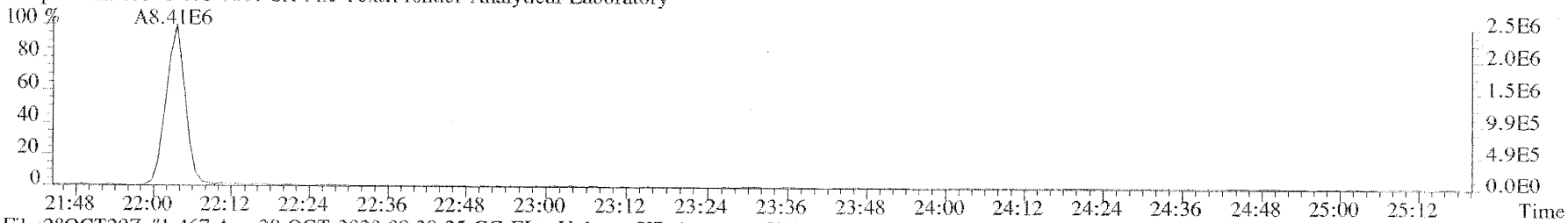
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



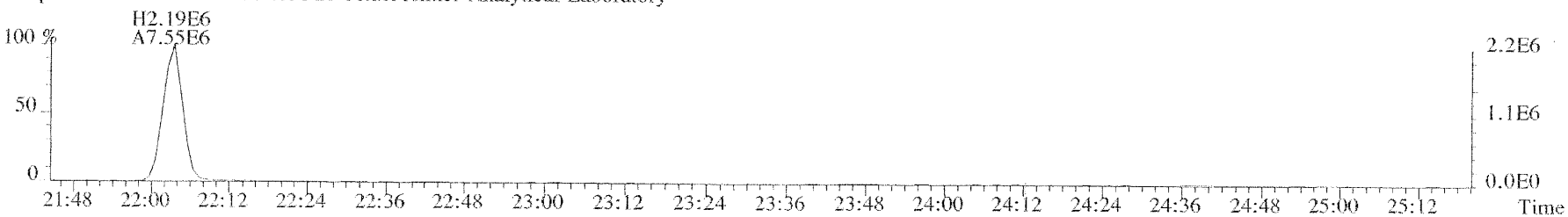
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



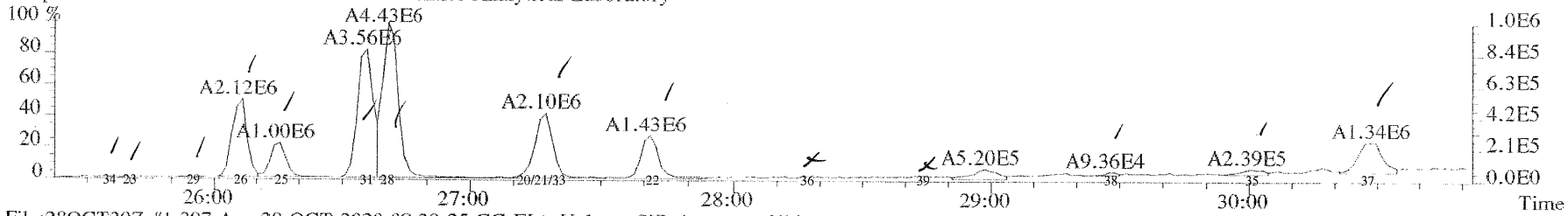
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



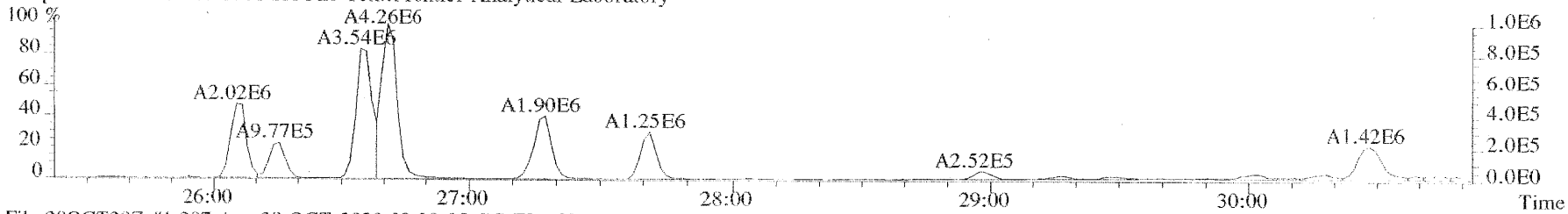
File:28OCT20Z #1-467 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



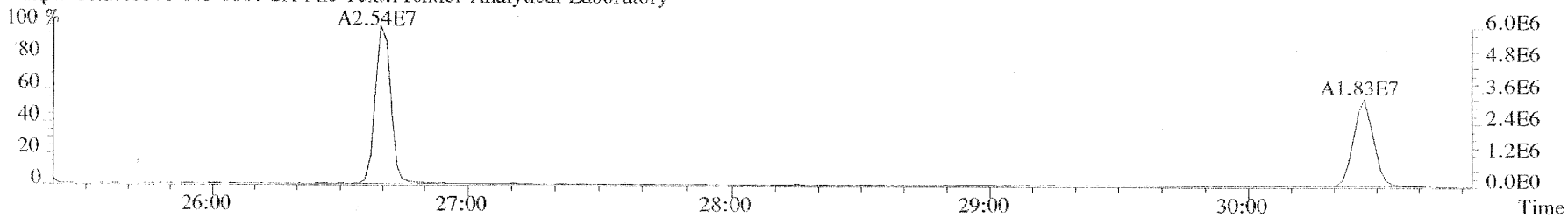
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



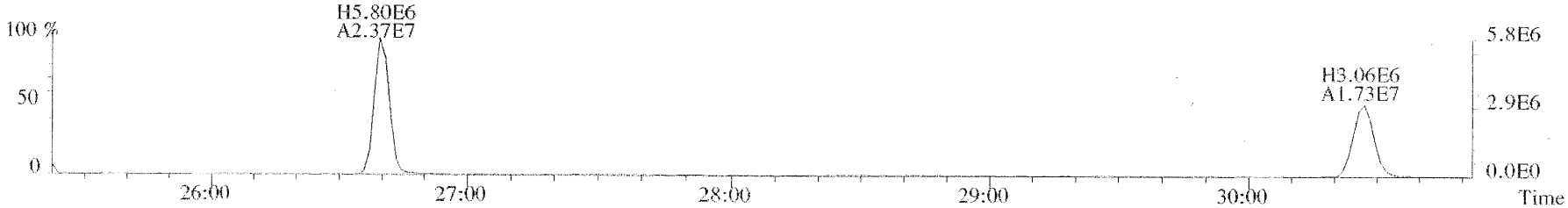
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



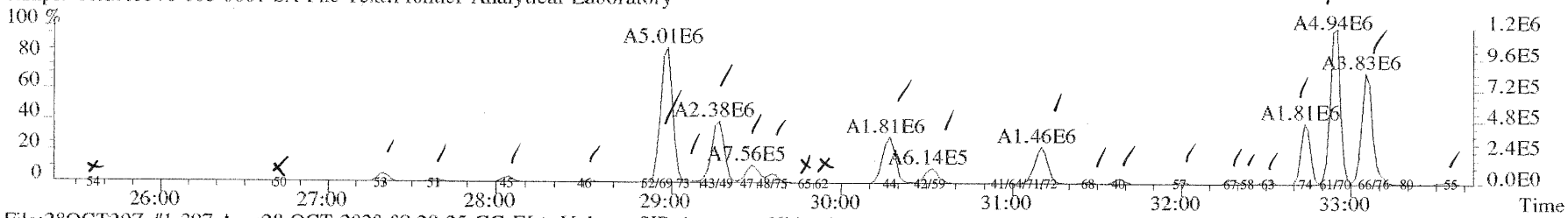
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



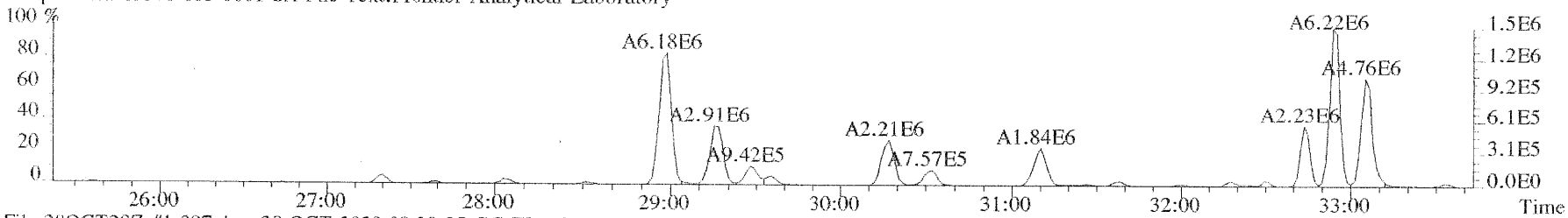
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



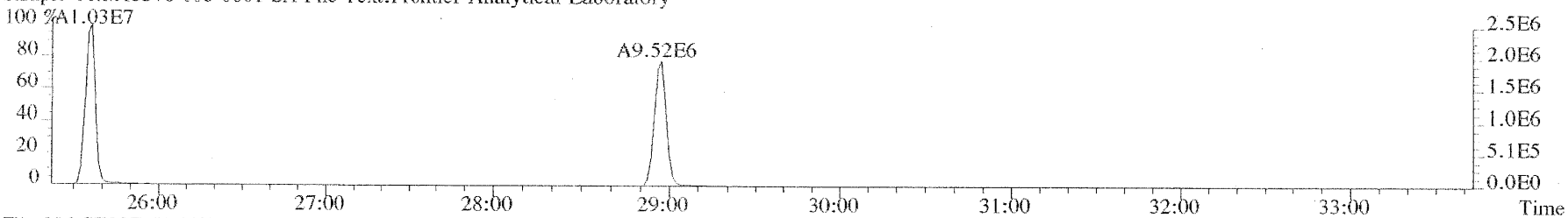
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



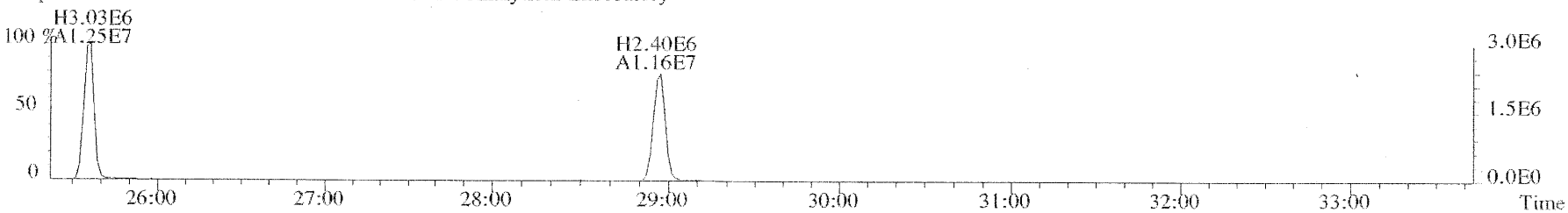
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



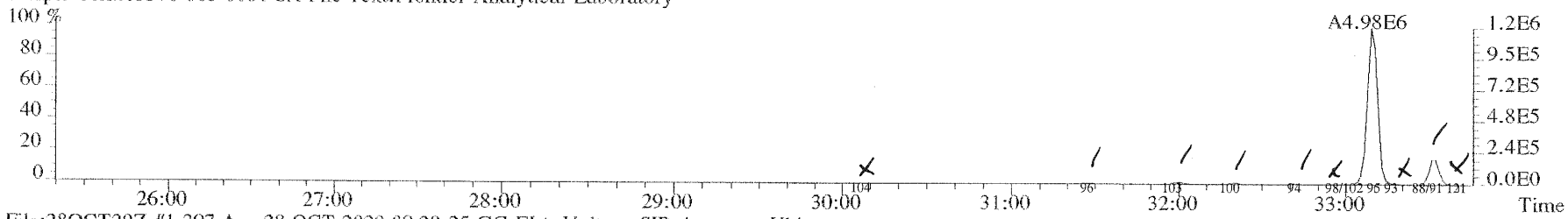
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



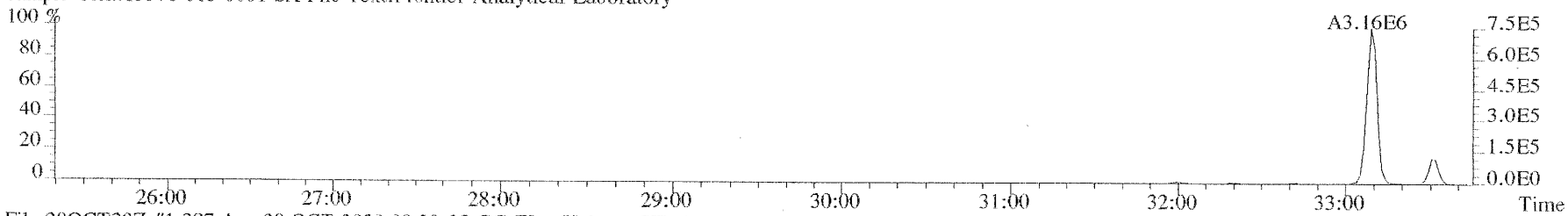
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



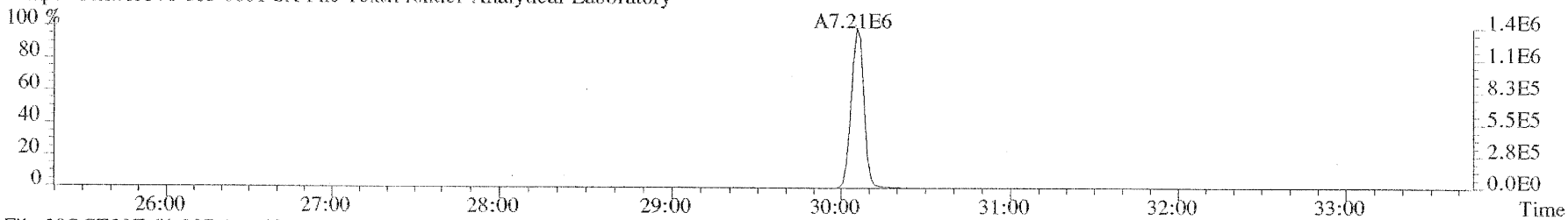
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



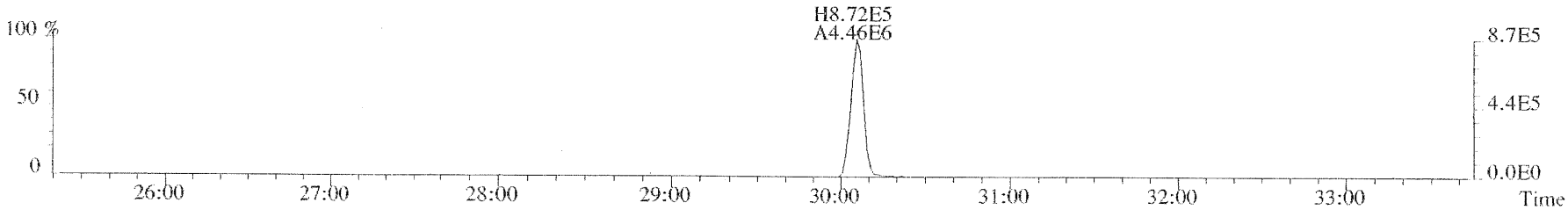
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



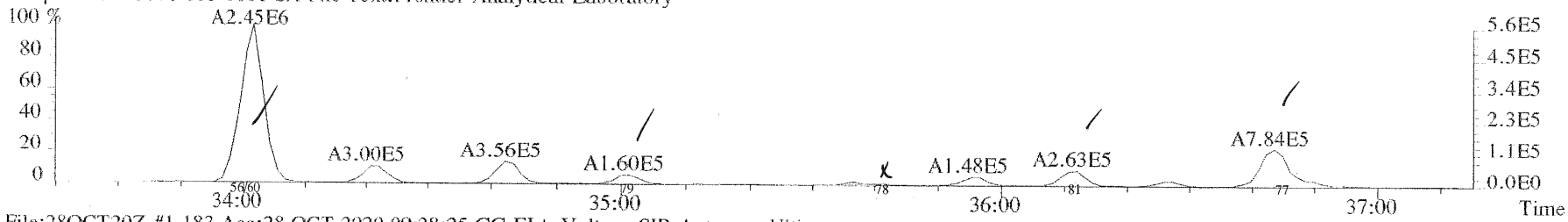
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



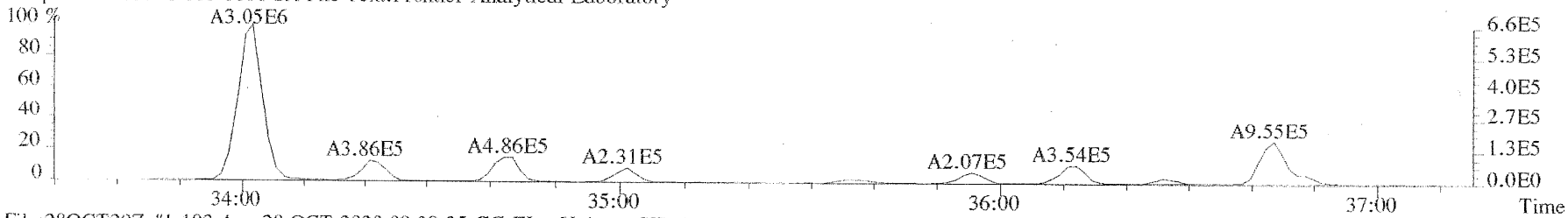
File:28OCT20Z #1-397 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



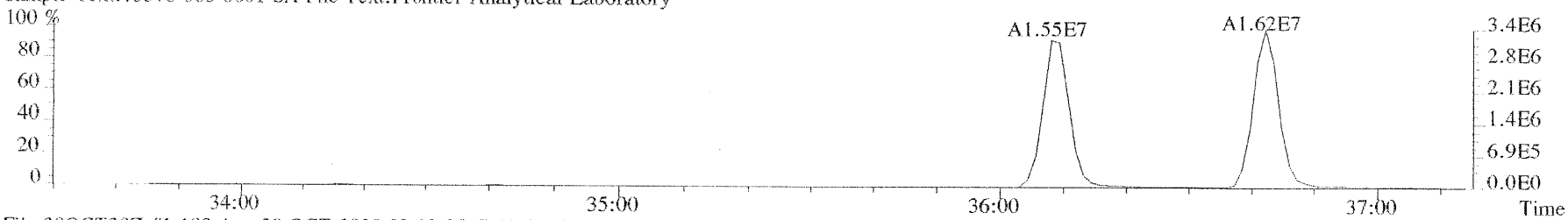
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



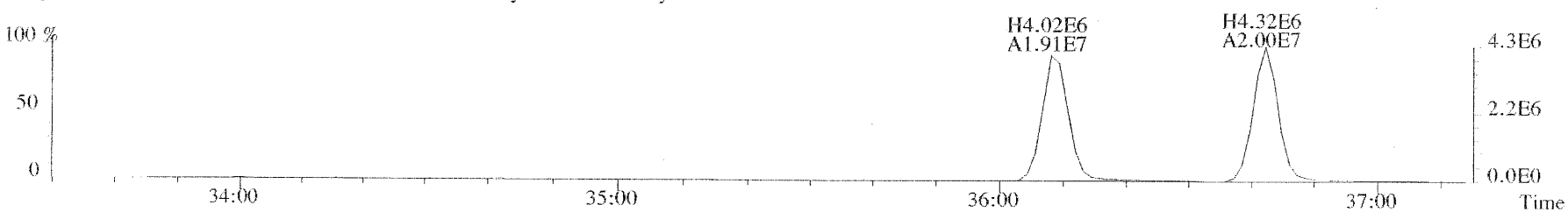
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



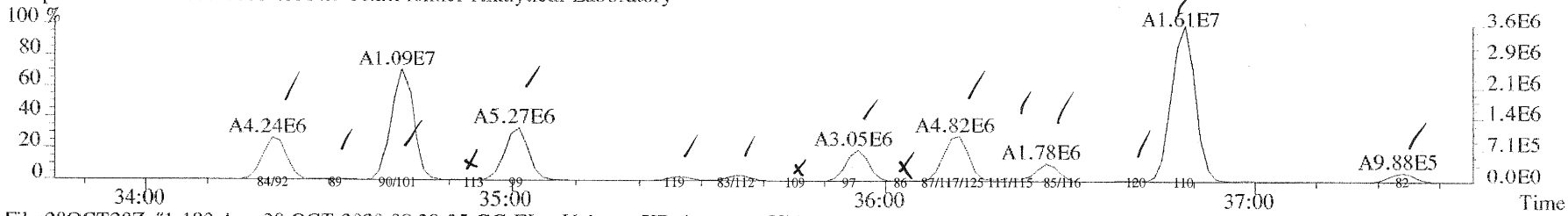
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



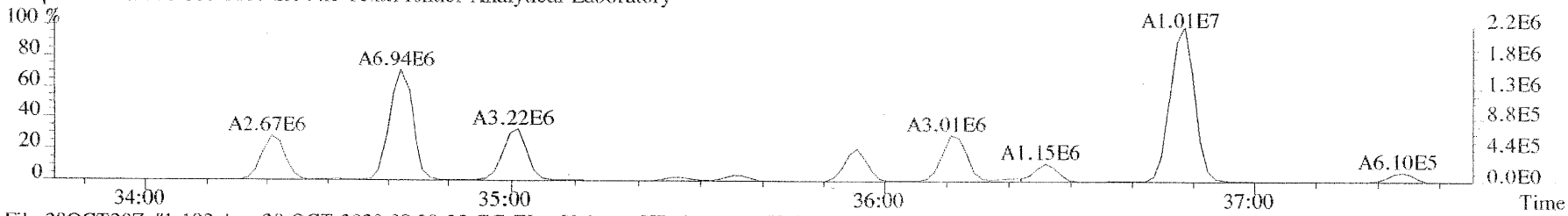
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



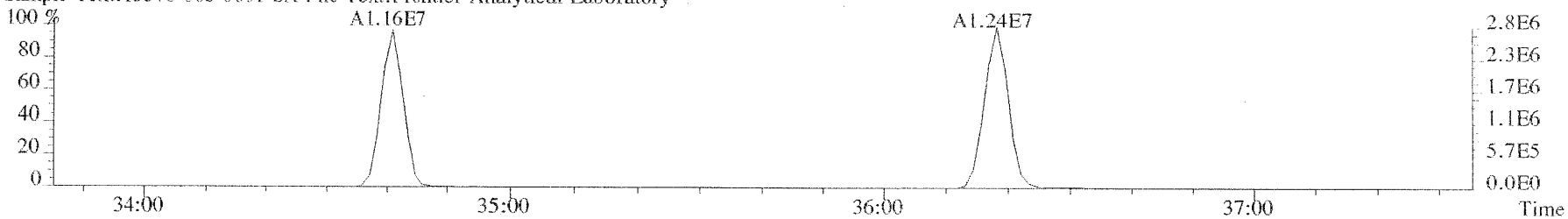
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



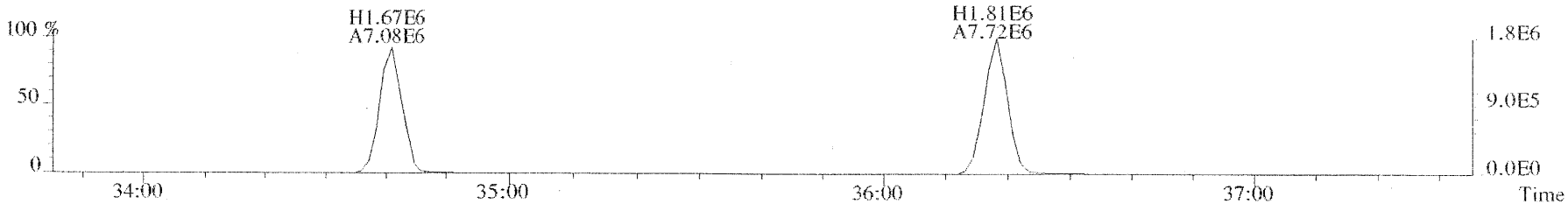
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



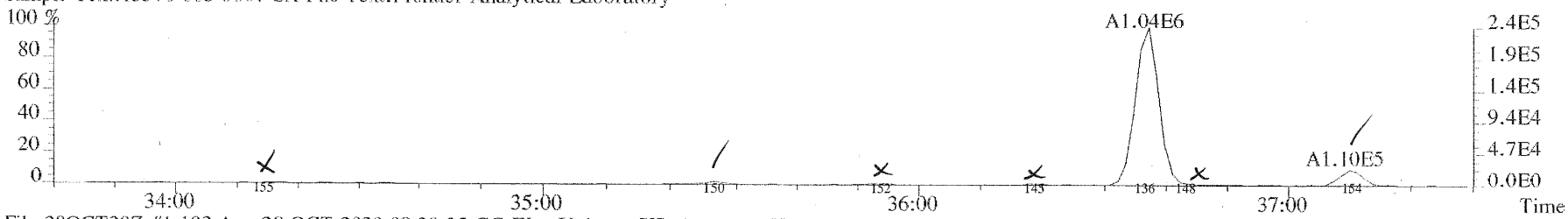
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



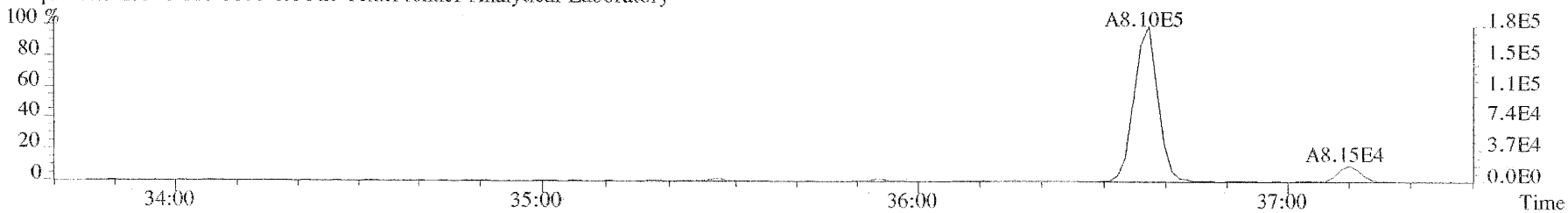
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



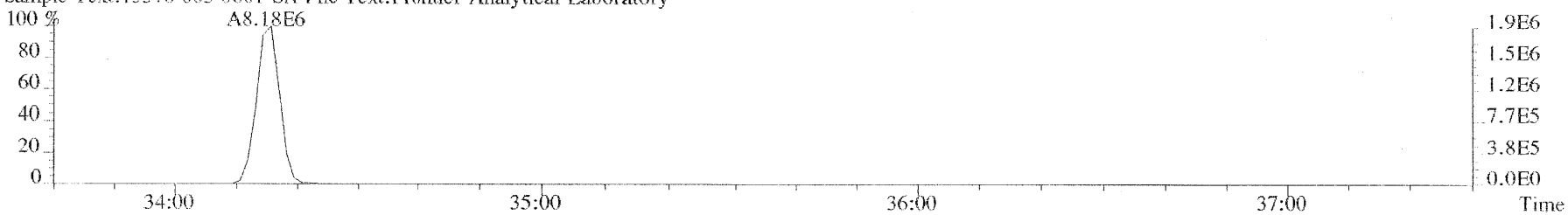
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



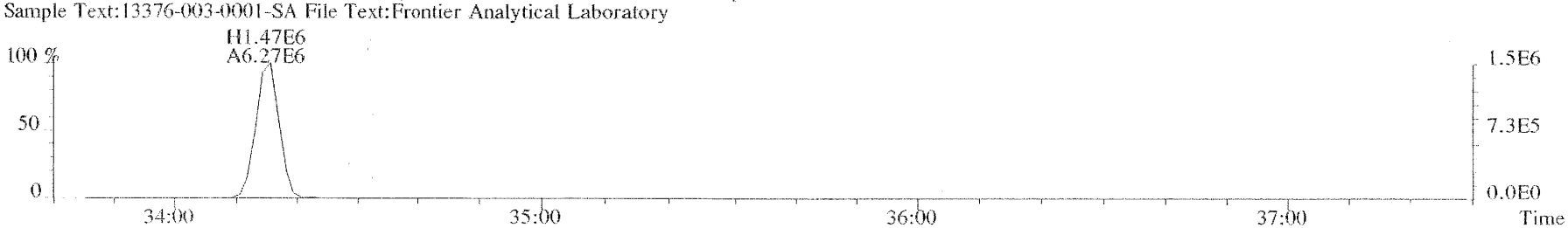
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



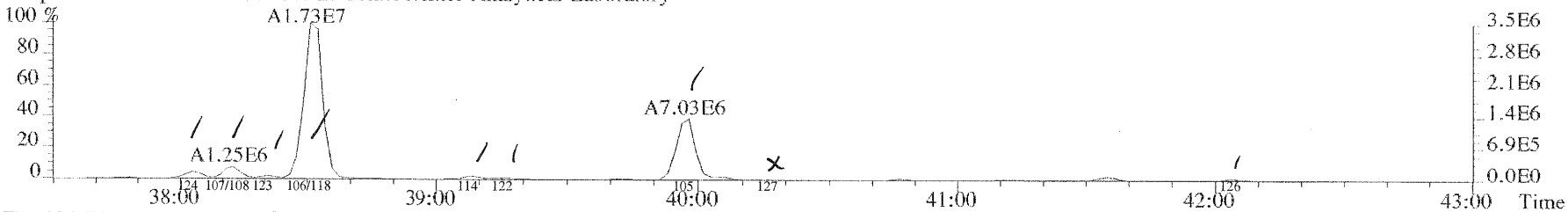
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



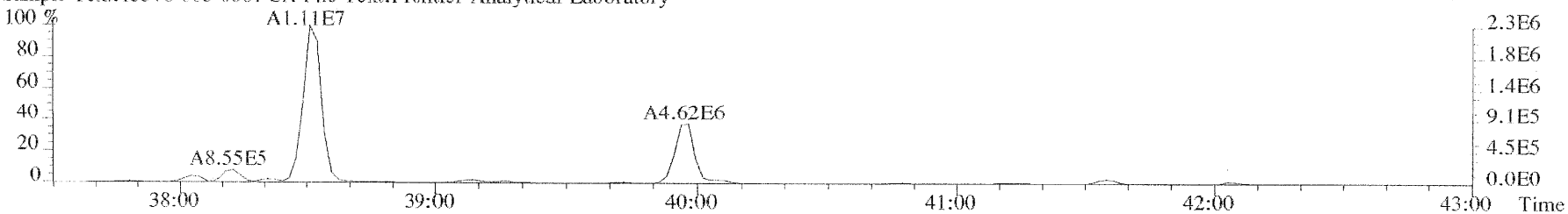
File:28OCT20Z #1-183 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



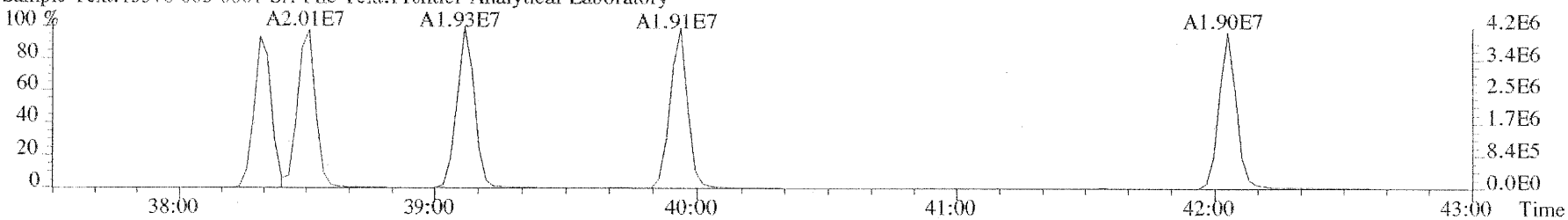
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



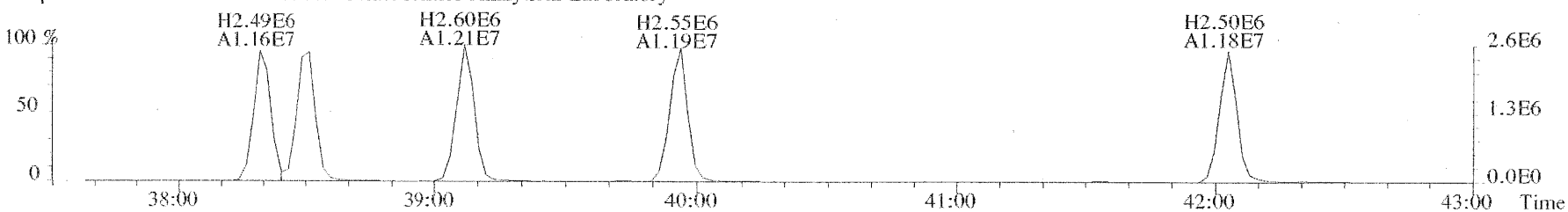
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



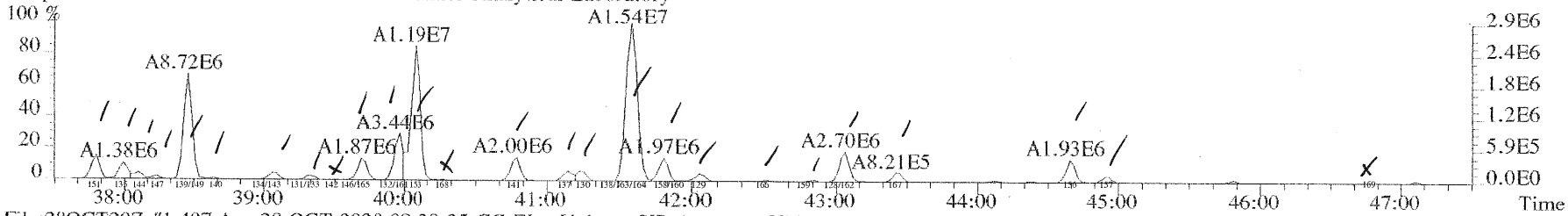
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



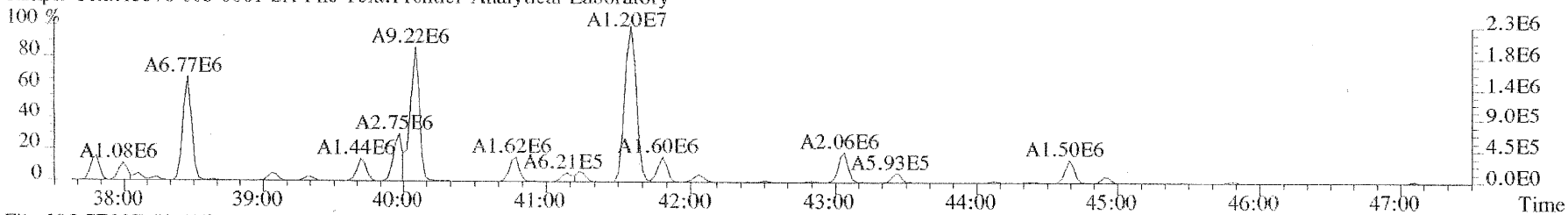
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



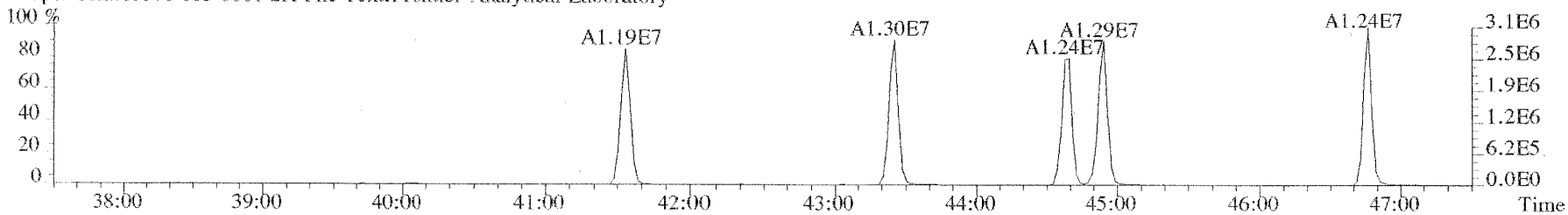
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



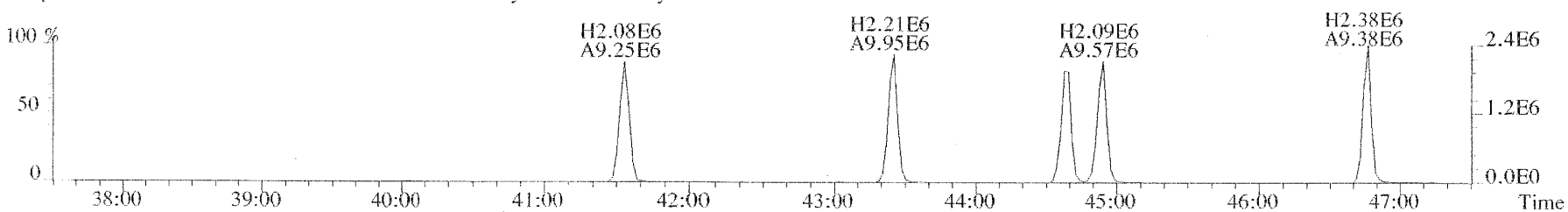
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



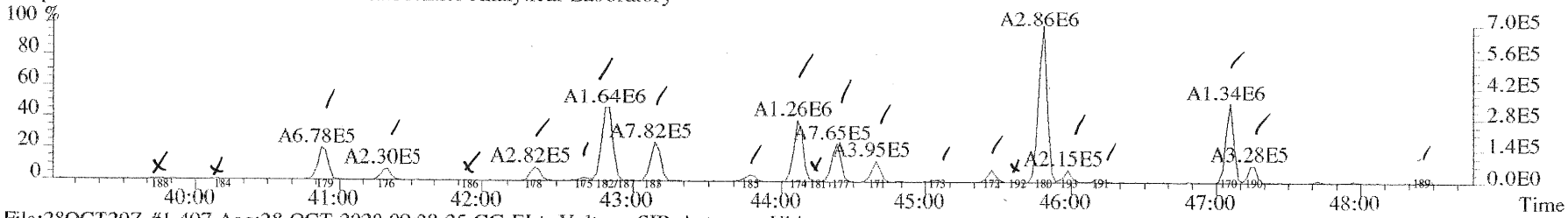
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



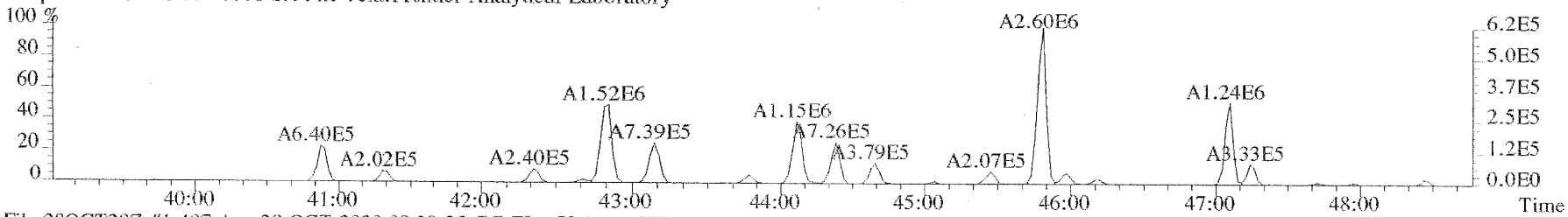
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



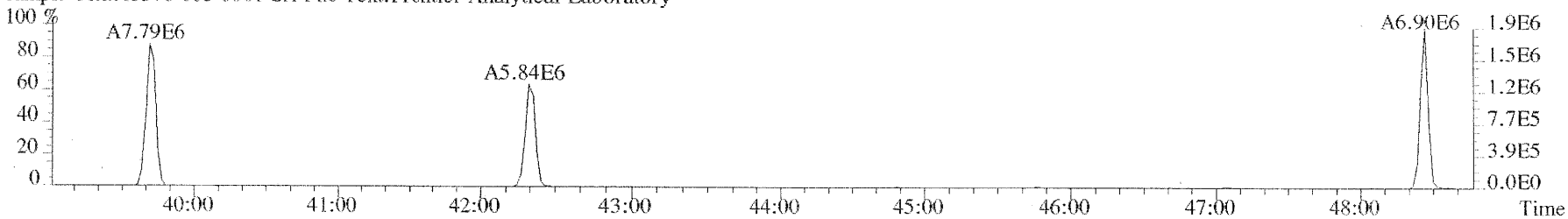
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



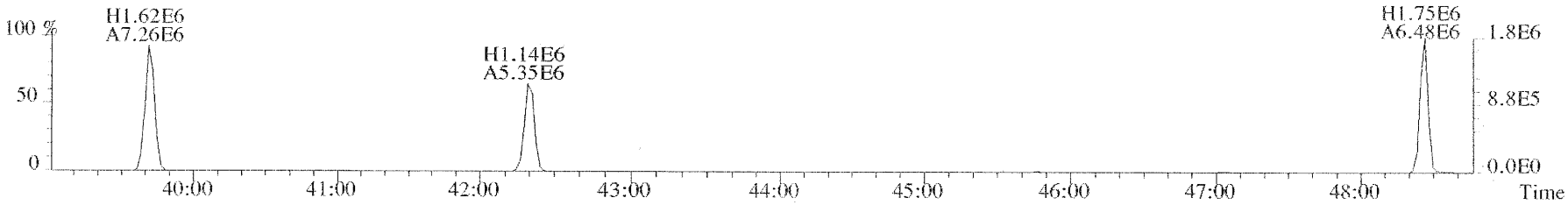
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



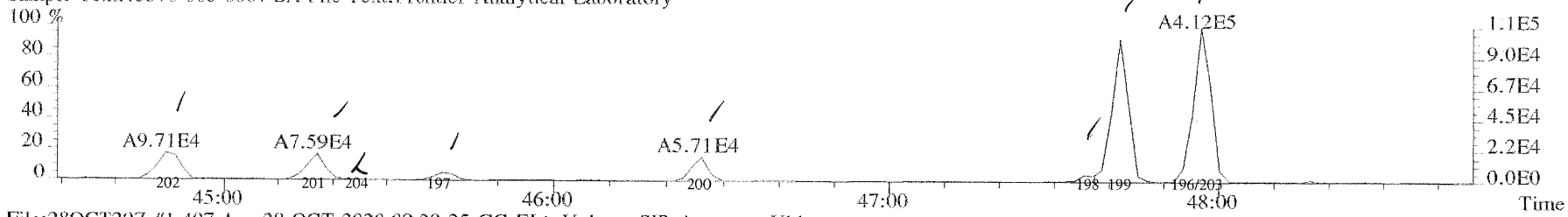
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



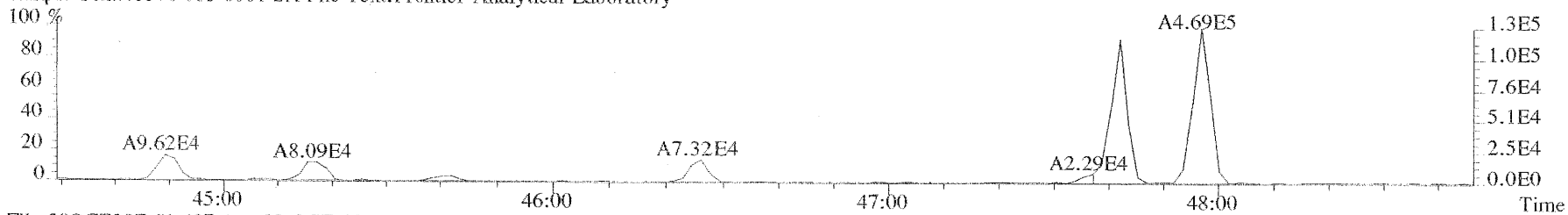
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



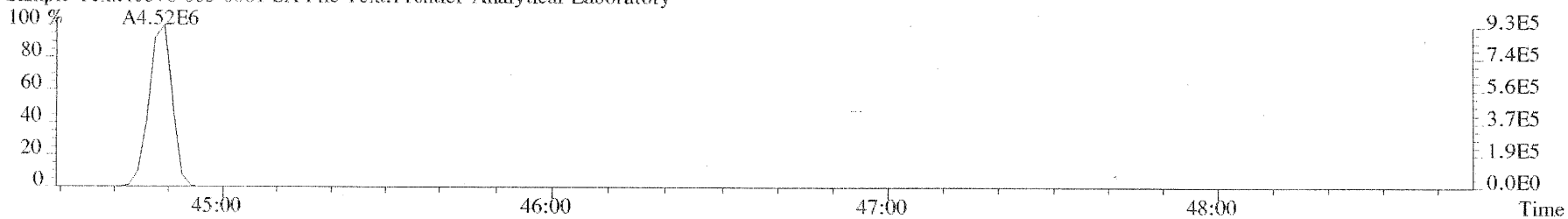
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



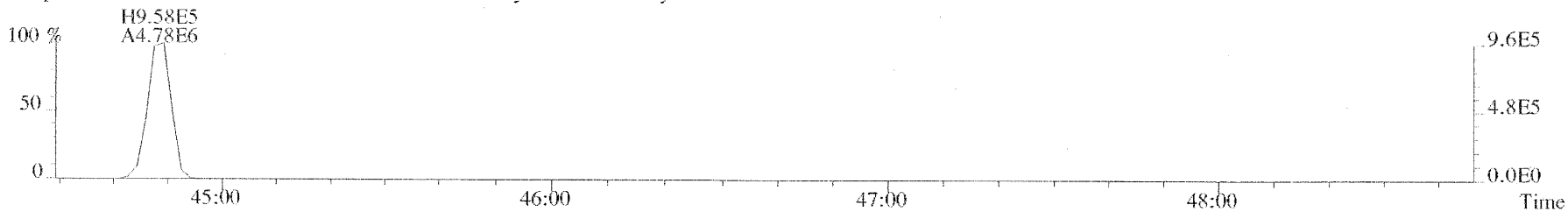
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



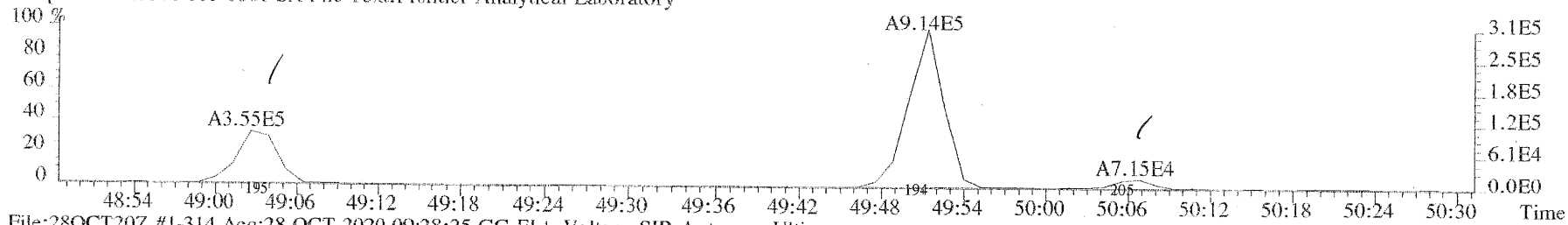
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



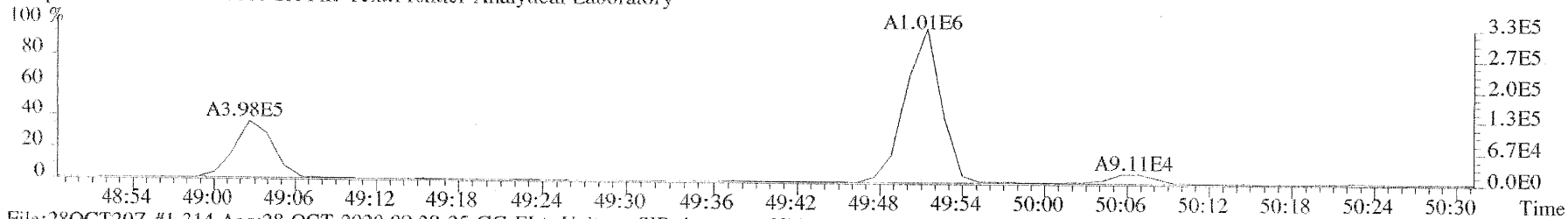
File:28OCT20Z #1-407 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



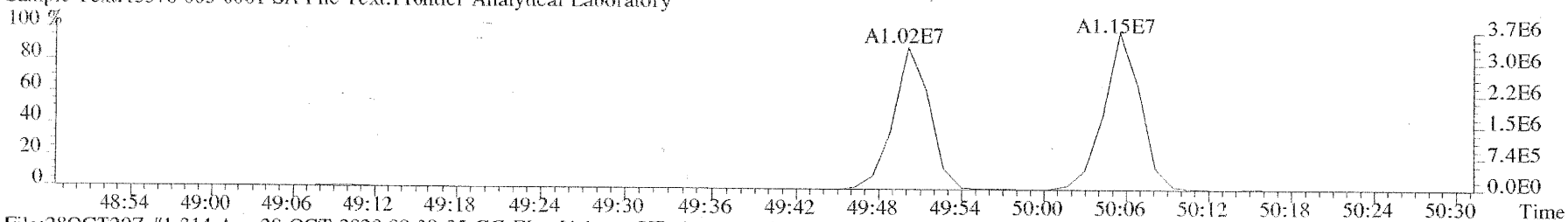
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



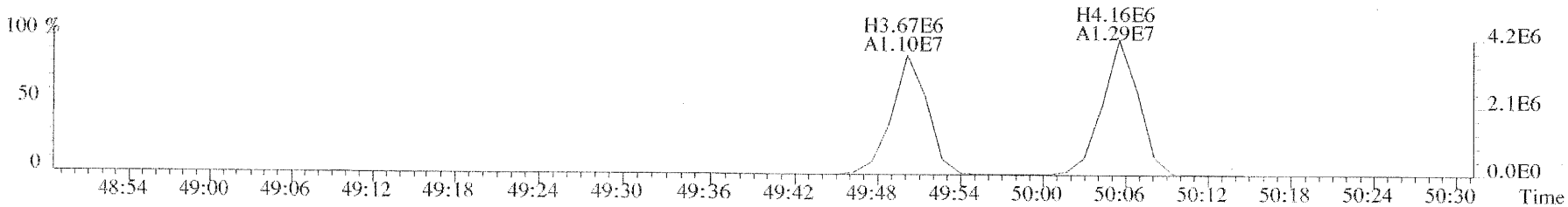
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



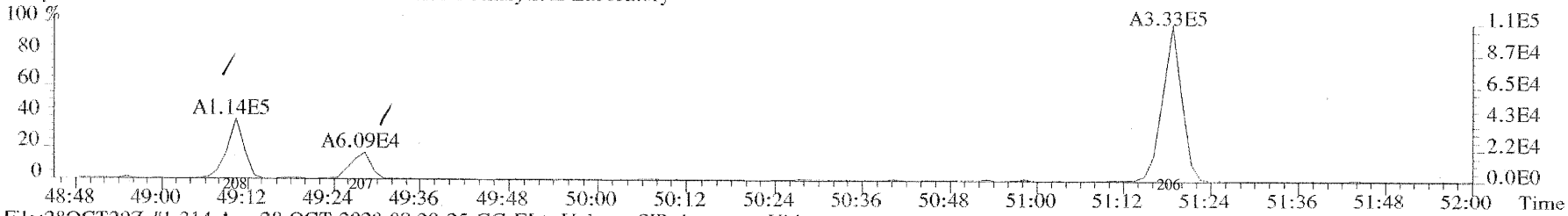
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 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:13376-003-0001-SA File Text:Frontier Analytical Laboratory



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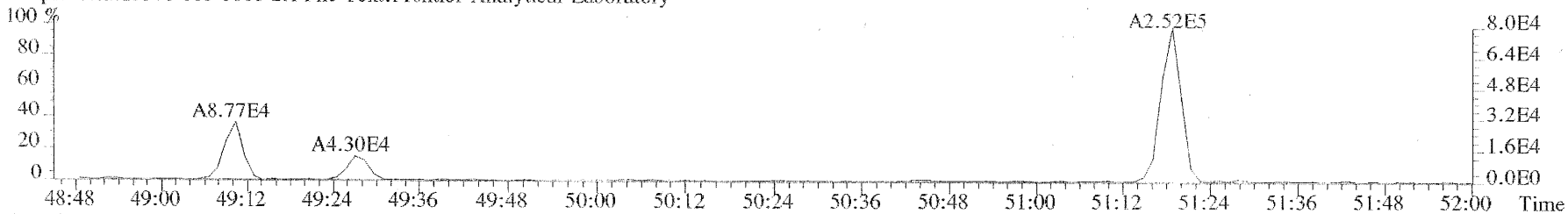
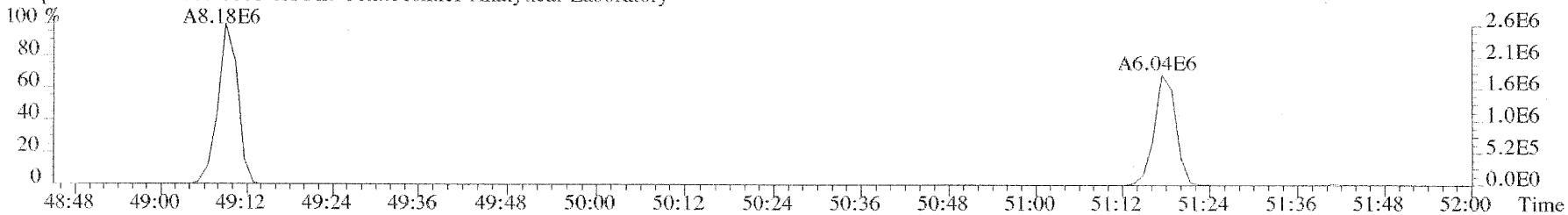
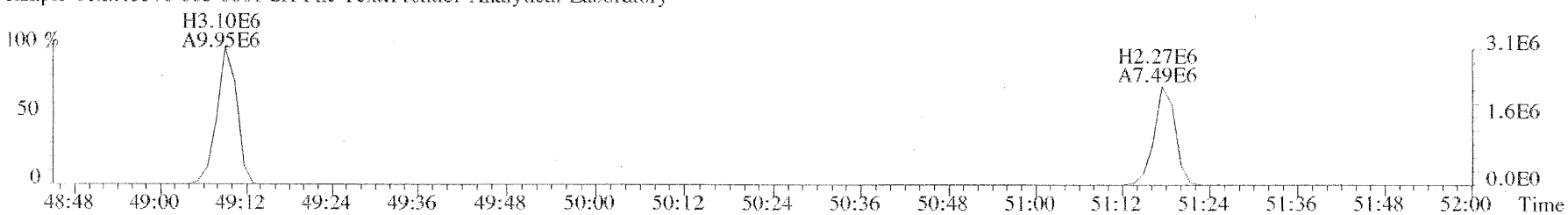
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



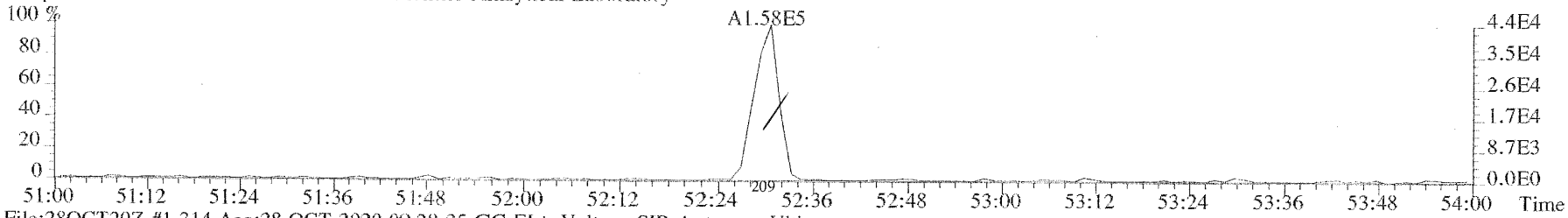
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



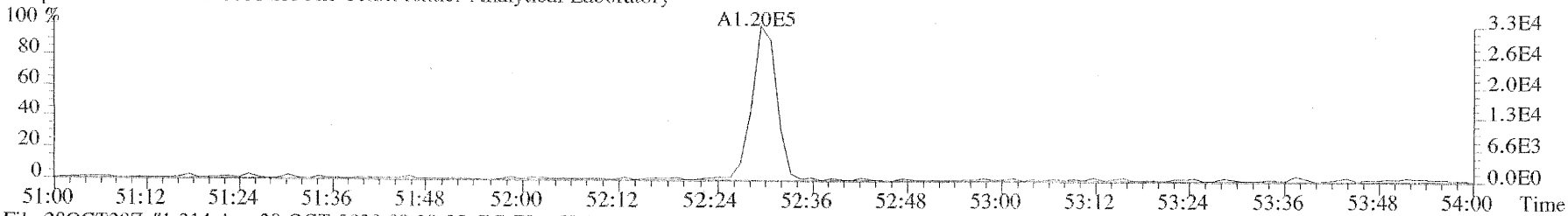
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



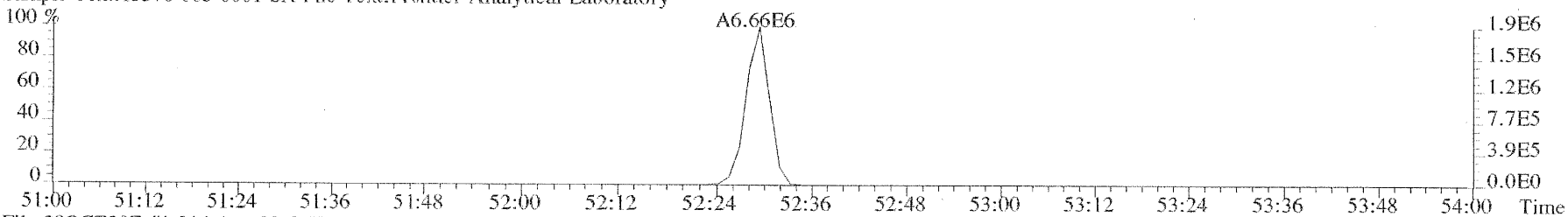
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



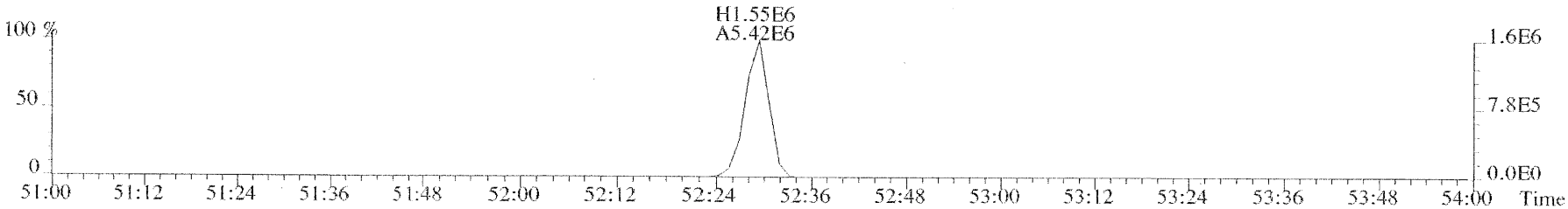
File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-003-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 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:13376-003-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 09:28:25 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:13376-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13376-004-0001-SA Filename: 28OCT20Z Sam:5 Acquired: 28-OCT-20 10:26:46 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR-CD-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 GC Column: DB1MS Amount: 10.00

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	3.56e+05	3.18 y	14:32	1.34	6.67		-	-	*			
13C-PCB-1	3.98e+07	3.32 y	14:32	0.84	841					84.1	1.07e+07	3.20e+06
PCB-2	1.29e+05	3.37 y	16:45	1.37	2.37		-	-	*			
PCB-3	4.16e+05	3.33 y	16:57	1.35	7.72		-	-	*			
13C-PCB-3	3.98e+07	3.29 y	16:56	0.80	881					88.1	9.43e+06	2.83e+06
PCB-4	2.50e+05	1.52 y	18:11	1.00	6.94		-	-	*			
PCB-10	*	* n	NotFnd	1.38	*		800	3700	0.597			
13C-PCB-4	3.62e+07	1.58 y	18:10	0.65	986					98.6	6.91e+06	4.51e+06
PCB-9	1.52e+05	1.46 y	19:52	1.36	2.27		-	-	*			
PCB-7	1.50e+05	1.56 y	19:53	1.34	2.28		-	-	*			
PCB-6	6.55e+05	1.50 y	20:30	1.31	10.1		-	-	*			
PCB-8	1.86e+06	1.53 y	20:51	1.27	29.9		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		800	3700	0.633			
PCB-14	*	* n	NotFnd	1.28	*		800	3700	0.643			
PCB-11	5.13e+05	1.44 y	23:02	1.21	8.61		-	-	*			
PCB-13	3.15e+05	1.53 y	23:23	1.22	5.28		-	-	*			
PCB-12	2.44e+05	1.35 y	23:25	1.23	4.03		-	-	*			
PCB-15	1.96e+06	1.54 y	23:42	1.12	28.1		-	-	*			
13C-PCB-15	6.20e+07	1.61 y	23:40	0.94	1170					117	9.47e+06	5.97e+06
PCB-19	7.48e+04	1.19 y	22:04	1.48	2.65		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		2990	664	0.824			
PCB-18	8.90e+05	1.10 y	23:36	1.50	31.1		-	-	*			
PCB-17	4.69e+05	1.19 y	23:46	1.60	15.4		-	-	*			
PCB-27	7.93e+04	1.04 y	24:18	2.07	2.01		-	-	*			
PCB-24	8.38e+04	1.15 y	24:19	2.08	2.12		-	-	*			
PCB-16	2.57e+05	1.04 y	24:46	1.72	7.82		-	-	*			
PCB-32	3.97e+05	1.19 y	24:48	1.82	11.5		-	-	*			
13C-PCB-19	1.91e+07	1.09 y	22:03	0.37	906					90.6	2.71e+06	2.43e+06
13C-PCB-9	5.64e+07	1.60 y	19:50	-	9.41							
PCB-34	*	* n	NotFnd	1.09	*		1230	1080	0.530			
PCB-23	*	* n	NotFnd	1.06	*		1230	1080	0.544			
PCB-29	*	* n	NotFnd	1.11	*		1230	1080	0.520			
PCB-26	2.03e+06	1.07 y	26:04	1.09	32.8		-	-	*			
PCB-25	1.10e+06	1.08 y	26:13	1.05	18.4		-	-	*			
PCB-31	3.65e+06	1.18 y	26:34	1.05	60.9		-	-	*			
PCB-28	4.94e+06	0.94 y	26:40	1.32	65.7		-	-	*			
PCB-20	2.15e+06	1.07 y	27:15	1.06	35.4		-	-	*		Co-elute PCB 21/33	
PCB-21	2.15e+06	1.07 y	27:15	1.06	35.4		-	-	*		Co-elute PCB 20/33	
PCB-33	2.15e+06	1.07 y	27:15	1.06	35.4		-	-	*		Co-elute PCB 20/21	
PCB-22	1.30e+06	1.04 y	27:41	1.15	19.7		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1230	1080	0.526			
PCB-39	*	* n	NotFnd	1.12	*		1230	1080	0.513			
PCB-38	7.77e+04	1.00 y	29:27	1.13	1.21	J	-	-	*			
PCB-35	2.69e+05	1.18 y	29:58	1.09	4.32		-	-	*			
PCB-37	2.12e+06	1.13 y	30:27	1.13	33.1		-	-	*			
13C-PCB-37	5.70e+07	1.07 y	30:25	1.64	1290					129	5.19e+06	4.85e+06

PCB-54	*	*	n	NotFnd	1.32	*		1090	1680	0.662			
PCB-50	*	*	n	NotFnd	1.09	*		1090	1680	0.803			
PCB-53	3.03e+05	0.84	y	27:18	1.03	9.91		-	-	*			
PCB-51	8.91e+04	0.87	y	27:38	1.05	2.88		-	-	*			
PCB-45	2.03e+05	0.73	y	28:02	0.92	7.45		-	-	*			
PCB-46	7.48e+04	0.70	y	28:30	0.87	2.90		-	-	*			
PCB-52	5.98e+06	0.80	y	28:56	1.13	179		-	-	*		Co-elute PCB 69	
PCB-69	5.98e+06	0.80	y	28:56	1.13	179		-	-	*		Co-elute PCB 52	
PCB-73	9.78e+04	0.86	y	29:03	1.31	2.53		-	-	*			
PCB-43	3.18e+06	0.80	y	29:14	0.99	109		-	-	*		Co-elute PCB 49	
PCB-49	3.18e+06	0.80	y	29:14	0.99	109		-	-	*		Co-elute PCB 43	
PCB-47	1.13e+06	0.79	y	29:27	1.07	35.7		-	-	*			
PCB-48	4.72e+05	0.82	y	29:33	1.26	12.7		-	-	*		Co-elute PCB 75	
PCB-75	4.72e+05	0.82	y	29:33	1.26	12.7		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.28	*		1090	1680	0.681			
PCB-62	*	*	n	NotFnd	1.29	*		1090	1680	0.678			
PCB-44	2.56e+06	0.80	y	30:15	0.86	101		-	-	*			
PCB-42	1.03e+06	0.83	y	30:30	1.10	31.6		-	-	*		Co-elute PCB 59	
PCB-59	1.03e+06	0.83	y	30:30	1.10	31.6		-	-	*		Co-elute PCB 42	
PCB-72	2.62e+06	0.82	y	31:02	1.22	73.0		-	-	*		Co-elute PCB 41/71/64	
PCB-41	2.62e+06	0.82	y	31:02	1.22	73.0		-	-	*		Co-elute PCB 72/71/64	
PCB-71	2.62e+06	0.82	y	31:02	1.22	73.0		-	-	*		Co-elute PCB 72/41/64	
PCB-64	2.62e+06	0.82	y	31:02	1.22	73.0		-	-	*		Co-elute PCB 72/41/71	
PCB-68	1.25e+05	0.77	y	31:13	1.40	3.03		-	-	*			
PCB-40	2.75e+05	0.81	y	31:24	0.79	11.8		-	-	*			
PCB-57	8.19e+04	0.80	y	31:45	1.30	2.13		-	-	*			
PCB-67	2.23e+05	0.78	y	32:02	1.30	5.82		-	-	*			
PCB-58	4.21e+04	0.86	y	32:07	1.27	1.12	J	-	-	*			
PCB-63	2.14e+05	0.82	y	32:17	1.30	5.57		-	-	*			
PCB-74	2.33e+06	0.81	y	32:34	1.30	60.8		-	-	*			
PCB-61	6.21e+06	0.82	y	32:45	1.18	178		-	-	*		Co-elute PCB 70	
PCB-70	6.21e+06	0.82	y	32:45	1.18	178		-	-	*		Co-elute PCB 61	
PCB-76	5.33e+06	0.81	y	32:58	1.33	135		-	-	*		Co-elute PCB 66	
PCB-66	5.33e+06	0.81	y	32:58	1.33	135		-	-	*		Co-elute PCB 76	
PCB-80	1.09e+05	0.75	y	33:08	1.55	2.38		-	-	*			
PCB-55	2.04e+05	0.79	y	33:26	1.33	5.22		-	-	*			
13C-PCB-54	2.95e+07	0.83	y	25:34	1.14	958					95.8	3.60e+06	4.34e+06
PCB-104	*	*	n	NotFnd	1.27	*		336	404	0.434			
PCB-96	2.53e+04	1.36	y	31:15	1.20	1.23	J	-	-	*			
PCB-103	6.49e+04	1.44	y	31:45	1.03	3.67		-	-	*			
PCB-100	3.26e+04	1.49	y	32:06	1.03	1.83	J	-	-	*			
PCB-94	2.57e+04	1.60	y	32:31	0.85	1.74	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*		336	404	0.648		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.85	*		336	404	0.648		Co-elute PCB 98	
PCB-95	3.94e+06	1.59	y	33:02	0.91	251		-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*		336	404	0.609			
PCB-88	7.18e+05	1.62	y	33:24	0.95	43.9		-	-	*		Co-elute PCB 91	
PCB-91	7.18e+05	1.62	y	33:24	0.95	43.9		-	-	*		Co-elute PCB 88	
PCB-121	*	*	n	NotFnd	1.16	*		336	404	0.479			
13C-PCB-104	1.72e+07	1.63	y	30:05	0.71	893					89.3	2.08e+06	1.26e+06
13C-PCB-28	5.79e+07	1.07	y	26:39	1.91	1120					112	7.32e+06	6.94e+06
13C-PCB-52	2.70e+07	0.82	y	28:55	-	9.35							

PCB-56	3.22e+06	0.78	y	33:56	1.14	63.3		-	-	*			Co-elute PCB 60
PCB-60	3.22e+06	0.78	y	33:56	1.14	63.3		-	-	*			Co-elute PCB 56
PCB-79	2.58e+05	0.75	y	34:58	1.20	4.84		-	-	*			
PCB-78	*	*	n	NotFnd	1.17	*		899	1050	0.471			
PCB-81	3.48e+05	0.70	y	36:08	1.24	6.38		-	-	*			
13C-PCB-81	4.39e+07	0.80	y	36:06	1.70	1180					118	3.98e+06	4.94e+06
PCB-77	1.06e+06	0.76	y	36:40	1.09	21.5		-	-	*			
13C-PCB-77	4.51e+07	0.83	y	36:39	1.77	1170					117	3.93e+06	4.90e+06
PCB-155	*	*	n	NotFnd	1.21	*		432	384	0.378			
PCB-150	*	*	n	NotFnd	1.16	*		432	384	0.392			
PCB-152	*	*	n	NotFnd	1.16	*		432	384	0.393			
PCB-145	*	*	n	NotFnd	1.17	*		432	384	0.392			
PCB-136	9.83e+05	1.23	y	36:34	1.05	48.1		-	-	*			
PCB-148	*	*	n	NotFnd	0.96	*		432	384	0.476			
PCB-154	1.38e+05	1.25	y	37:07	1.00	7.15		-	-	*			
13C-PCB-155	1.94e+07	1.33	y	34:10	0.95	937					93.7	2.57e+06	1.90e+06
13C-PCB-111	2.63e+07	1.62	y	36:15	1.26	959					95.9	3.48e+06	2.11e+06
13C-PCB-101	2.18e+07	1.64	y	34:36	-	9.50							
PCB-84	3.39e+06	1.58	y	34:16	0.71	120		-	-	*			Co-elute PCB 92
PCB-92	3.39e+06	1.58	y	34:16	0.71	120		-	-	*			Co-elute PCB 84
PCB-89	8.91e+04	1.54	y	34:27	0.71	3.13		-	-	*			
PCB-90	9.20e+06	1.60	y	34:37	0.80	290		-	-	*			Co-elute PCB 101
PCB-101	9.20e+06	1.60	y	34:37	0.80	290		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.86	*		1090	1010	0.759			
PCB-99	4.75e+06	1.56	y	34:56	0.91	132		-	-	*			
PCB-119	3.30e+05	1.74	y	35:23	1.01	8.19		-	-	*			
PCB-83	4.87e+05	1.53	y	35:32	0.80	15.4		-	-	*			Co-elute PCB 112
PCB-112	4.87e+05	1.53	y	35:32	0.80	15.4		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.99	*		1090	1010	0.657			
PCB-97	2.56e+06	1.58	y	35:52	0.68	94.9		-	-	*			
PCB-86	*	*	n	NotFnd	0.64	*		1090	1010	1.01			
PCB-125	4.05e+06	1.61	y	36:08	0.92	111		-	-	*			Co-elute PCB 87/117
PCB-87	4.05e+06	1.61	y	36:08	0.92	111		-	-	*			Co-elute PCB 125/117
PCB-117	4.05e+06	1.61	y	36:08	0.92	111		-	-	*			Co-elute PCB 125/87
PCB-111	2.24e+05	1.53	y	36:16	1.01	5.59		-	-	*			Co-elute PCB 115
PCB-115	2.24e+05	1.53	y	36:16	1.01	5.59		-	-	*			Co-elute PCB 111
PCB-85	1.72e+06	1.57	y	36:22	0.88	49.2		-	-	*			Co-elute PCB 116
PCB-116	1.72e+06	1.57	y	36:22	0.88	49.2		-	-	*			Co-elute PCB 85
PCB-120	7.86e+04	1.49	y	36:36	1.04	1.89	J	-	-	*			
PCB-110	1.39e+07	1.60	y	36:45	0.98	354		-	-	*			
PCB-82	8.29e+05	1.77	y	37:22	0.61	33.8		-	-	*			
PCB-124	6.89e+05	1.53	y	38:01	1.10	15.8		-	-	*			
PCB-108	1.27e+06	1.50	y	38:10	1.13	28.2		-	-	*			Co-elute PCB 107
PCB-107	1.27e+06	1.50	y	38:10	1.13	28.2		-	-	*			Co-elute PCB 108
PCB-123	3.03e+05	1.52	y	38:18	1.01	7.87		-	-	*			
13C-PCB-123	3.81e+07	1.61	y	38:18	1.33	1120					112	4.69e+06	2.90e+06
PCB-118	1.58e+07	1.55	y	38:29	1.08	353		-	-	*			Co-elute PCB 106
PCB-106	1.58e+07	1.55	y	38:29	1.08	353		-	-	*			Co-elute PCB 118
13C-PCB-118	4.14e+07	1.59	y	38:28	1.43	1130					113	5.45e+06	3.37e+06
PCB-114	3.32e+05	1.56	y	39:06	1.13	7.30		-	-	*			
13C-PCB-114	4.03e+07	1.60	y	39:04	1.39	1130					113	4.79e+06	3.06e+06
PCB-122	2.83e+05	1.49	y	39:14	1.12	6.36		-	-	*			
PCB-105	6.13e+06	1.54	y	39:55	1.17	133		-	-	*			
13C-PCB-105	3.94e+07	1.58	y	39:53	1.36	1130					113	5.00e+06	3.14e+06

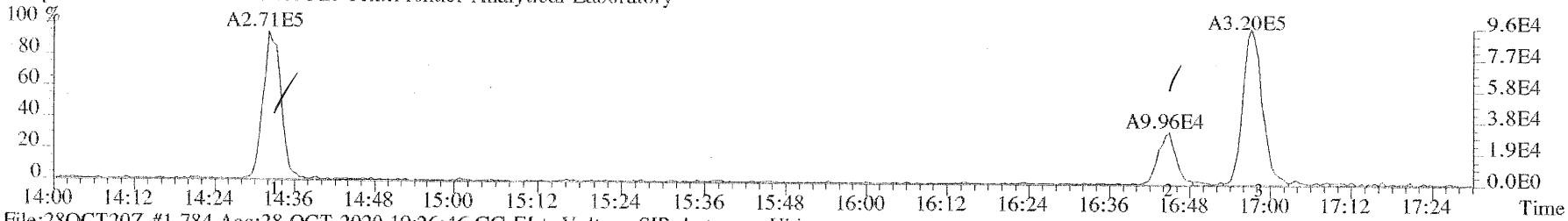
PCB-127	*	*	n	NotFnd	1.08	*	1270	1080	0.671			
PCB-126	1.81e+05	1.41	y	42:02	1.12	4.09	-	-	*			
13C-PCB-126	3.97e+07	1.61	y	42:02	1.30	1190				119	4.78e+06	3.00e+06
PCB-151	1.88e+06	1.24	y	37:45	0.99	62.9	-	-	*			
PCB-135	1.38e+06	1.22	y	37:56	0.96	47.9	-	-	*			
PCB-144	4.19e+05	1.20	y	38:03	1.03	13.4	-	-	*			
PCB-147	2.72e+05	1.16	y	38:11	1.08	8.33	-	-	*			
PCB-139	8.64e+06	1.27	y	38:24	1.07	268	-	-	*	Co-elute PCB 149		
PCB-149	8.64e+06	1.27	y	38:24	1.07	268	-	-	*	Co-elute PCB 139		
PCB-140	8.80e+04	1.30	y	38:38	1.08	2.70	-	-	*			
PCB-143	6.25e+05	1.20	y	39:02	0.88	23.6	-	-	*	Co-elute PCB 134		
PCB-134	6.25e+05	1.20	y	39:02	0.88	23.6	-	-	*	Co-elute PCB 143		
PCB-131	3.49e+05	1.22	y	39:17	0.87	13.3	-	-	*	Co-elute PCB 133		
PCB-133	3.49e+05	1.22	y	39:17	0.87	13.3	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.91	*	1190	1050	0.941			
PCB-165	1.93e+06	1.30	y	39:40	1.15	55.7	-	-	*	Co-elute PCB 146		
PCB-146	1.93e+06	1.30	y	39:40	1.15	55.7	-	-	*	Co-elute PCB 165		
PCB-161	3.68e+06	1.24	y	39:55	1.09	112	-	-	*	Co-elute PCB 132		
PCB-132	3.68e+06	1.24	y	39:55	1.09	112	-	-	*	Co-elute PCB 161		
PCB-153	1.21e+07	1.27	y	40:03	1.19	336	-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*	1190	1050	0.676			
PCB-141	2.03e+06	1.26	y	40:44	0.98	68.4	-	-	*			
PCB-137	7.02e+05	1.30	y	41:07	0.93	24.9	-	-	*			
PCB-130	9.01e+05	1.34	y	41:12	0.93	32.0	-	-	*			
PCB-138	1.54e+07	1.27	y	41:34	1.17	439	-	-	*	Co-elute PCB 163/164		
PCB-163	1.54e+07	1.27	y	41:34	1.17	439	-	-	*	Co-elute PCB 138/164		
PCB-164	1.54e+07	1.27	y	41:34	1.17	439	-	-	*	Co-elute PCB 138/163		
PCB-158	2.03e+06	1.23	y	41:47	1.32	50.8	-	-	*	Co-elute PCB 160		
PCB-160	2.03e+06	1.23	y	41:47	1.32	50.8	-	-	*	Co-elute PCB 158		
PCB-129	6.11e+05	1.26	y	42:02	0.86	23.5	-	-	*			
PCB-166	8.60e+04	1.25	y	42:28	1.26	2.25	-	-	*			
PCB-159	1.31e+05	1.27	y	42:49	1.35	3.22	-	-	*			
PCB-128	2.70e+06	1.27	y	43:01	1.09	81.8	-	-	*	Co-elute PCB 162		
PCB-162	2.70e+06	1.27	y	43:01	1.09	81.8	-	-	*	Co-elute PCB 128		
PCB-167	8.67e+05	1.22	y	43:24	1.22	23.2	-	-	*			
13C-PCB-167	3.05e+07	1.31	y	43:22	1.11	1070				107	3.55e+06	2.72e+06
PCB-156	1.95e+06	1.26	y	44:38	1.26	52.2	-	-	*			
13C-PCB-156	2.97e+07	1.29	y	44:36	1.16	993				99.3	3.56e+06	2.81e+06
PCB-157	4.96e+05	1.17	y	44:53	1.25	13.1	-	-	*			
13C-PCB-157	3.03e+07	1.31	y	44:53	1.13	1040				104	3.42e+06	2.61e+06
PCB-169	*	*	n	NotFnd	1.20	*	1190	1050	0.595			
13C-PCB-169	3.03e+07	1.27	y	46:45	1.06	1110				111	4.42e+06	3.44e+06

FAL ID: 13376-004-0001-SA Filename: 28OCT20Z Sam:5 Acquired: 28-OCT-20 10:26:46 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR-CD-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 GC Column: DB1MS Amount: 10.00

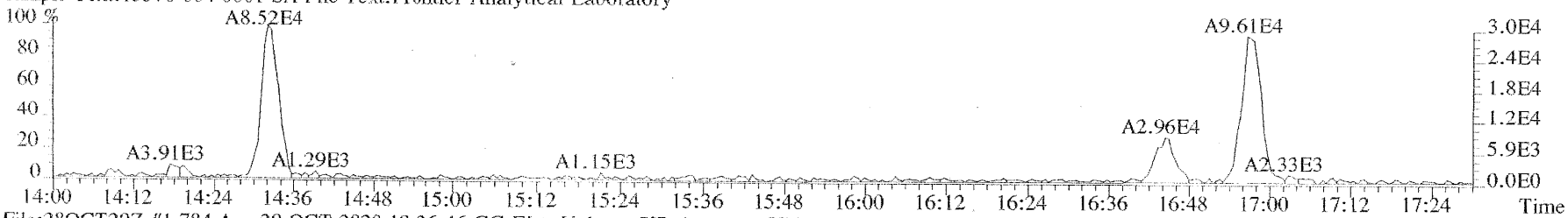
PCB-188	*	*	n	NotFnd	1.20	*		700	608	0.583			
13C-PCB-188	2.04e+07	1.09	y	39:40	0.88	905					90.5	2.45e+06	2.21e+06
PCB-184	*	*	n	NotFnd	1.30	*		700	608	0.497			
PCB-179	8.25e+05	1.13	y	40:51	1.24	33.7		-	-	*			
PCB-176	2.66e+05	1.06	y	41:17	1.19	11.3		-	-	*			
PCB-186	*	*	n	NotFnd	1.23	*		700	608	0.523			
PCB-178	3.31e+05	1.16	y	42:20	0.88	19.1		-	-	*			
PCB-175	7.96e+04	1.13	y	42:40	0.92	4.37		-	-	*			
PCB-187	2.11e+06	1.07	y	42:48	0.99	108		-	-	*		Co-elute PCB 182	
PCB-182	2.11e+06	1.07	y	42:48	0.99	108		-	-	*		Co-elute PCB 187	
PCB-183	9.67e+05	1.13	y	43:08	0.99	49.8		-	-	*			
PCB-185	1.85e+05	1.13	y	43:45	0.92	10.2		-	-	*			
PCB-174	1.50e+06	1.11	y	44:05	0.91	83.6		-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*		700	608	0.678			
PCB-177	9.75e+05	1.10	y	44:22	0.85	57.9		-	-	*			
PCB-171	4.83e+05	1.17	y	44:38	0.92	26.6		-	-	*			
PCB-173	*	*	n	NotFnd	0.81	*		700	608	0.800			
PCB-172	2.71e+05	1.16	y	45:26	0.85	16.2		-	-	*			
PCB-192	*	*	n	NotFnd	1.10	*		700	608	0.585			
PCB-180	3.61e+06	1.06	y	45:47	0.87	210		-	-	*			
PCB-193	2.38e+05	1.13	y	45:57	1.18	10.3		-	-	*			
PCB-191	1.07e+05	1.11	y	46:10	1.12	4.82		-	-	*			
PCB-170	1.62e+06	1.06	y	47:05	0.85	96.6		-	-	*			
PCB-190	4.54e+05	1.04	y	47:14	1.12	20.6		-	-	*			
PCB-189	1.29e+05	1.17	y	48:25	1.19	5.69		-	-	*			
13C-PCB-189	1.90e+07	1.06	y	48:25	0.84	880					88.0	2.91e+06	2.68e+06
PCB-202	1.52e+05	0.78	y	44:48	1.10	10.5		-	-	*			
PCB-201	9.91e+04	0.83	y	45:16	1.17	6.51		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		488	452	0.680			
PCB-197	2.95e+04	0.78	y	45:41	1.20	1.88	J	-	-	*			
PCB-200	8.32e+04	0.78	y	46:25	1.15	5.54		-	-	*			
PCB-198	3.81e+04	0.88	y	47:36	0.84	3.46		-	-	*			
PCB-199	5.29e+05	0.93	y	47:41	0.90	45.0		-	-	*			
PCB-203	6.42e+05	0.91	y	47:56	0.95	51.7		-	-	*		Co-elute PCB 196	
PCB-196	6.42e+05	0.91	y	47:56	0.95	51.7		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.31e+07	0.93	y	44:46	0.61	834					83.4	1.39e+06	1.47e+06
13C-PCB-178	1.49e+07	1.08	y	42:18	0.67	865					86.5	1.76e+06	1.61e+06
13C-PCB-138	2.57e+07	1.31	y	41:32	-	9.92							
PCB-195	5.14e+05	0.81	y	49:02	0.80	19.4		-	-	*			
PCB-194	1.32e+06	0.91	y	49:51	0.91	44.0		-	-	*			
PCB-205	1.10e+05	0.79	y	50:05	1.08	3.08		-	-	*			
13C-PCB-205	3.31e+07	0.90	y	50:05	1.25	986					98.6	5.46e+06	5.95e+06
PCB-208	1.55e+05	1.19	y	49:09	1.11	5.31		-	-	*			
13C-PCB-208	2.63e+07	0.80	y	49:08	1.00	979					97.9	4.01e+06	5.08e+06
PCB-207	7.87e+04	1.32	y	49:26	1.25	2.83		-	-	*			
PCB-206	4.18e+05	1.44	y	51:18	1.13	20.1		-	-	*			
13C-PCB-206	1.83e+07	0.81	y	51:17	0.78	870					87.0	2.72e+06	3.37e+06
PCB-209	1.72e+05	1.25	y	52:28	1.26	8.16		-	-	*			
13C-PCB-209	1.67e+07	1.22	y	52:28	0.78	799					79.9	2.80e+06	2.26e+06
13C-PCB-194	2.69e+07	0.92	y	49:49	-	9.54							

Analyst: _____ Date: 11/3/20

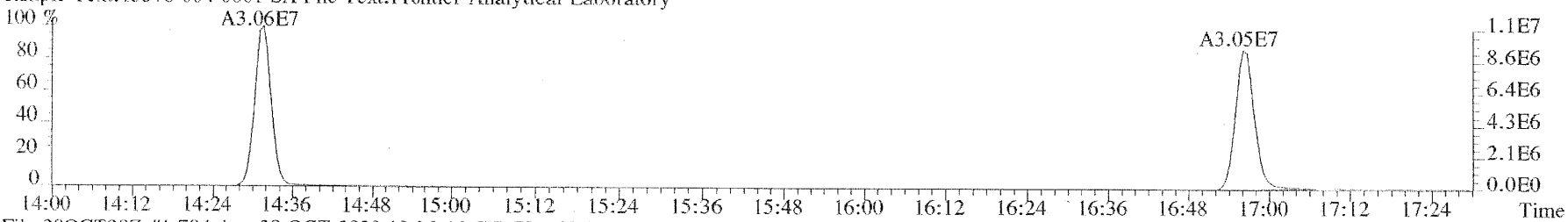
File:28OCT20Z #1-784 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



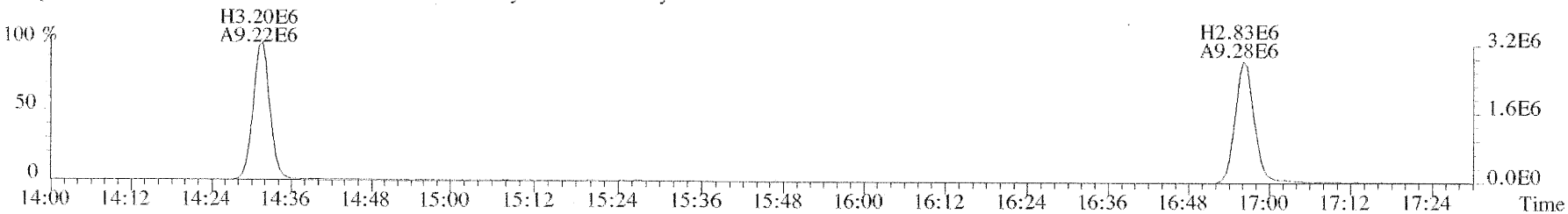
File:28OCT20Z #1-784 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



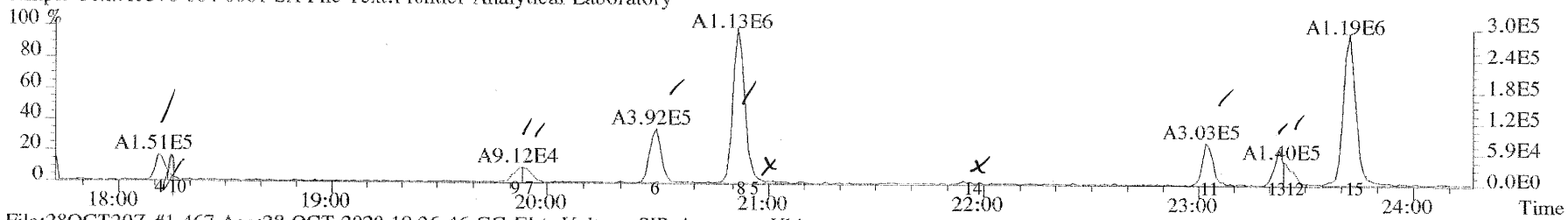
File:28OCT20Z #1-784 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



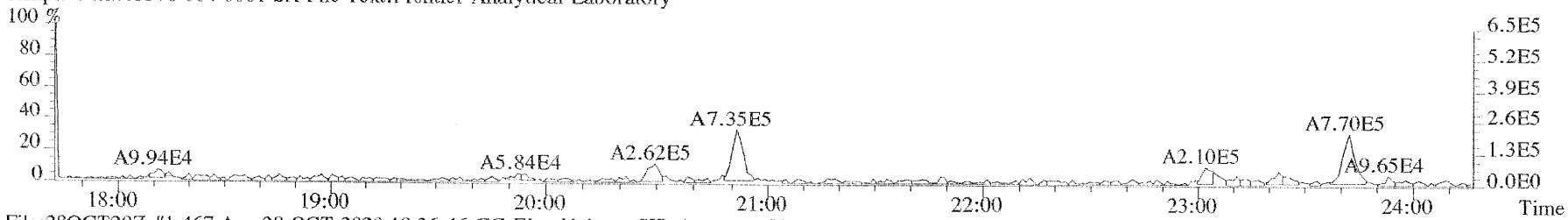
File:28OCT20Z #1-784 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



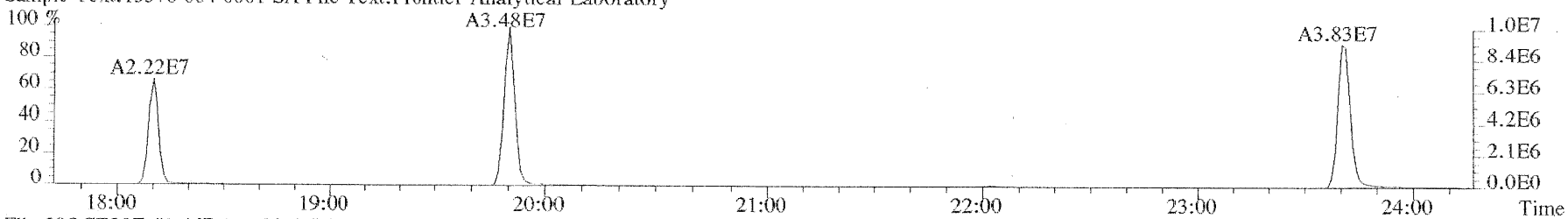
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



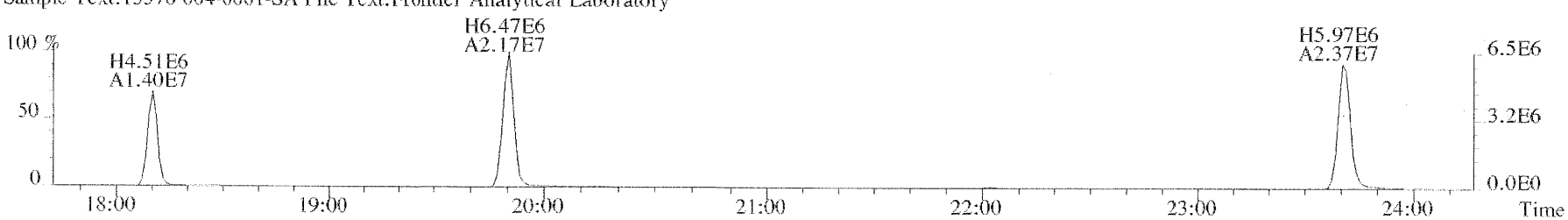
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



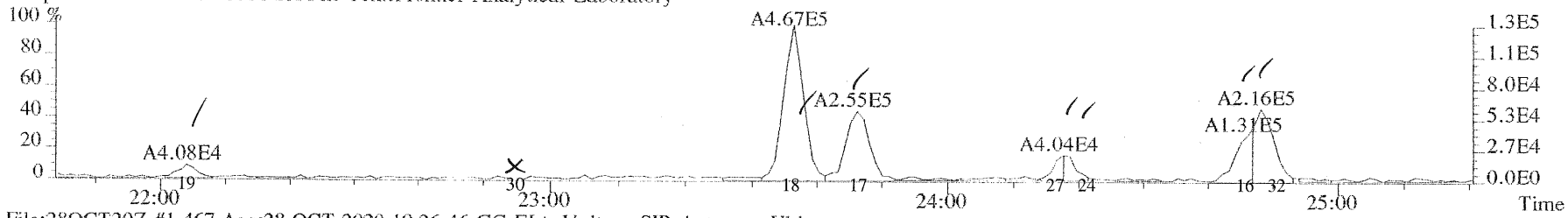
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



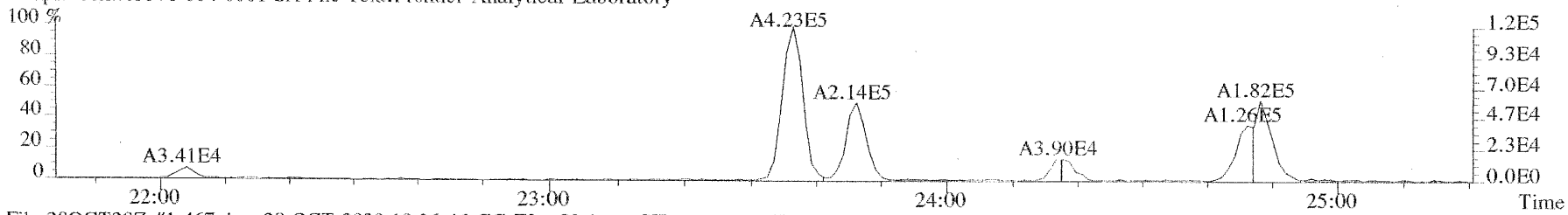
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



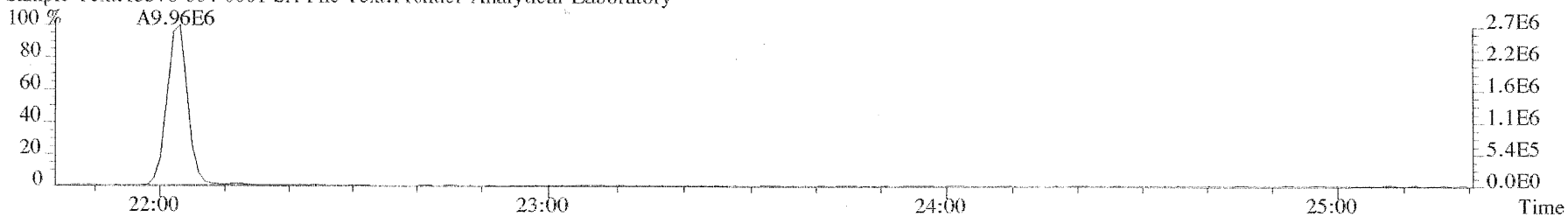
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



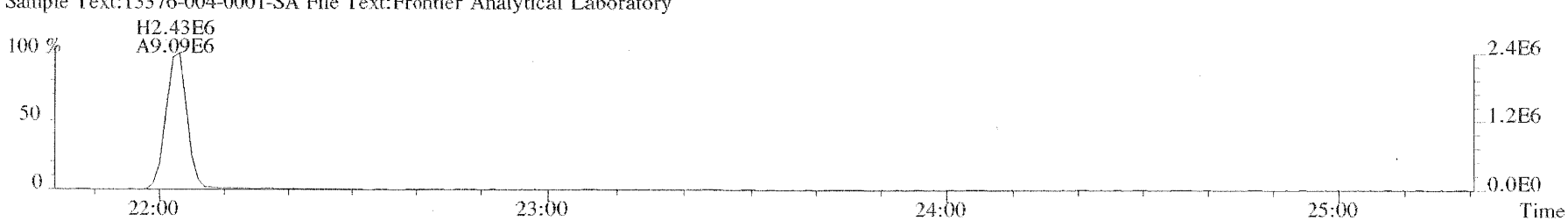
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



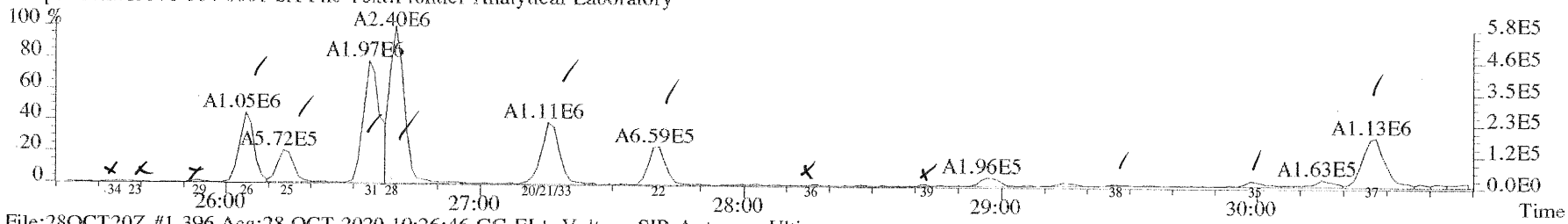
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



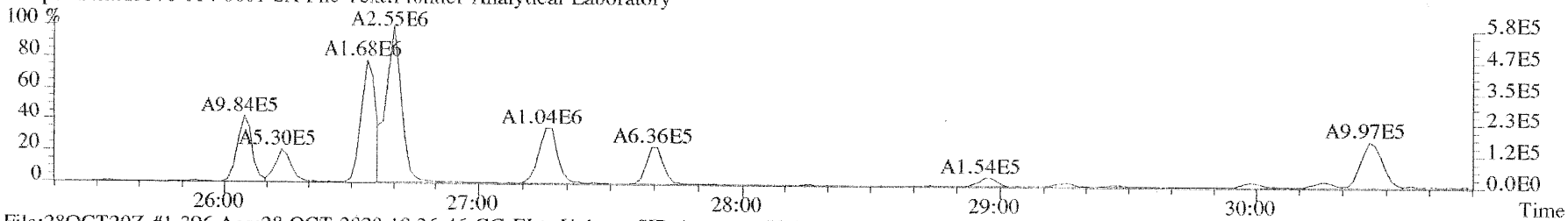
File:28OCT20Z #1-467 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



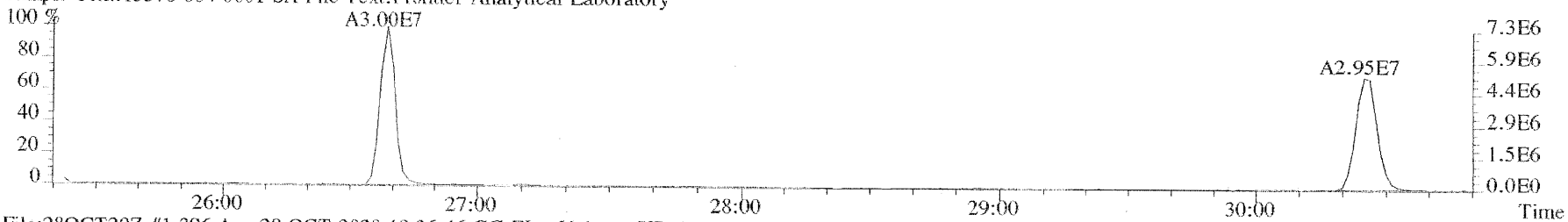
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



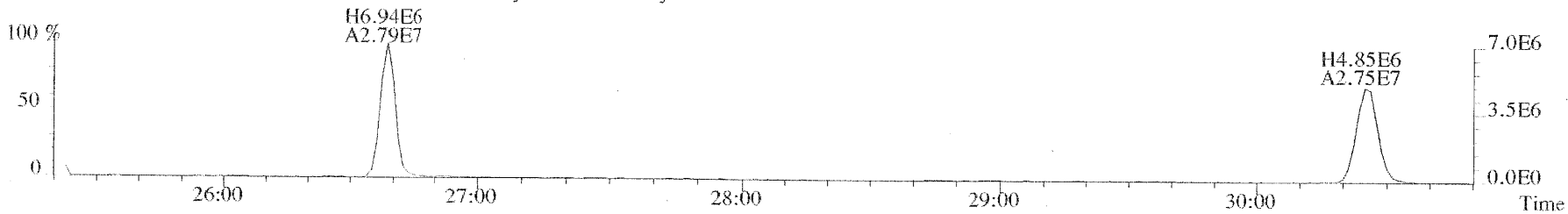
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



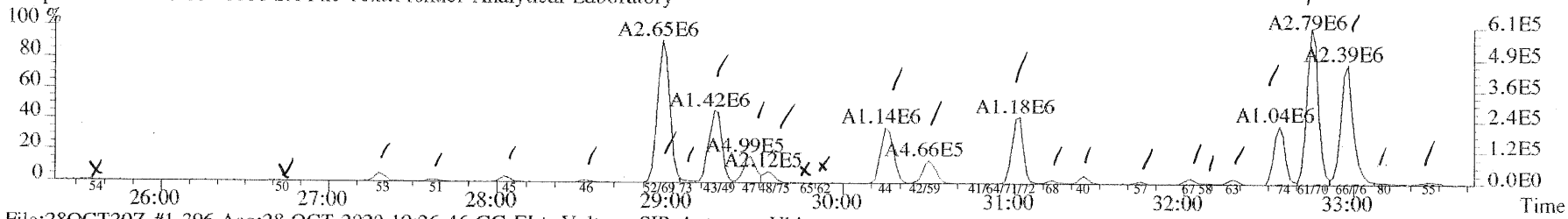
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



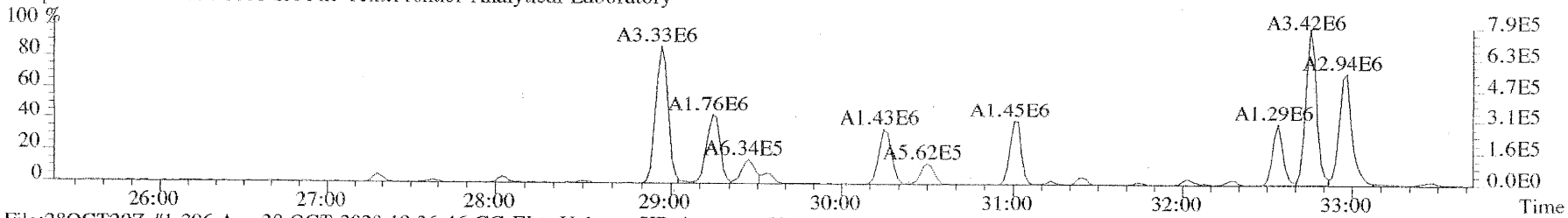
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



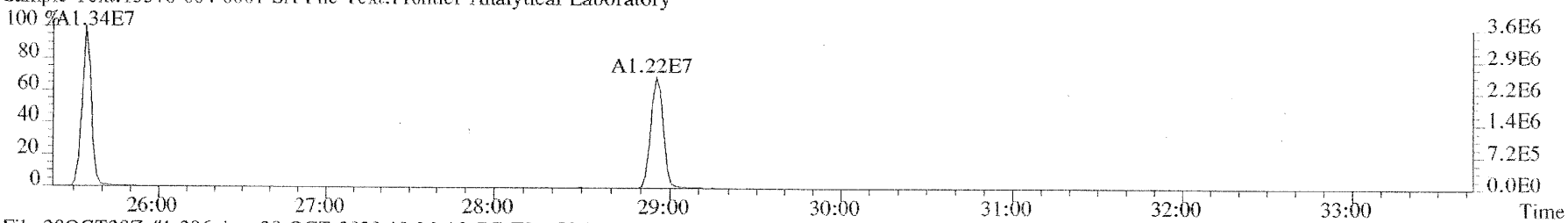
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



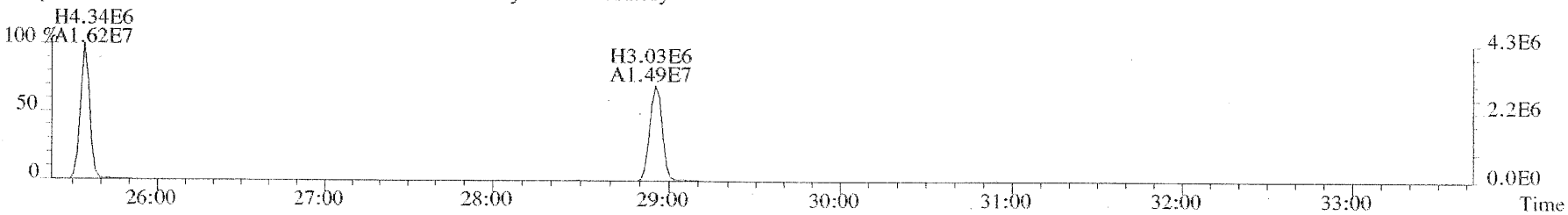
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



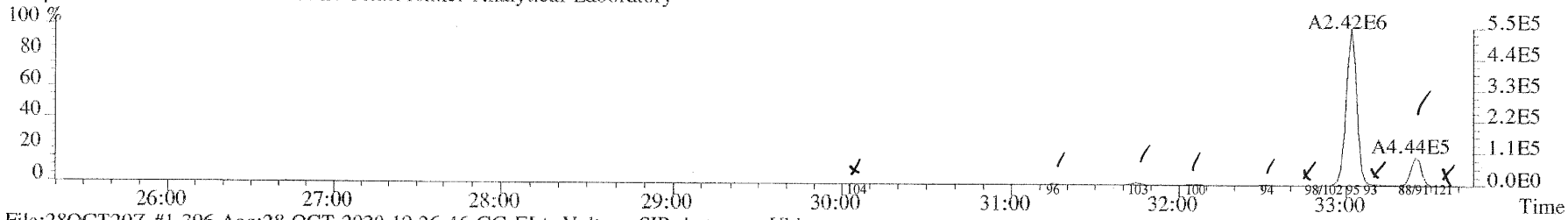
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



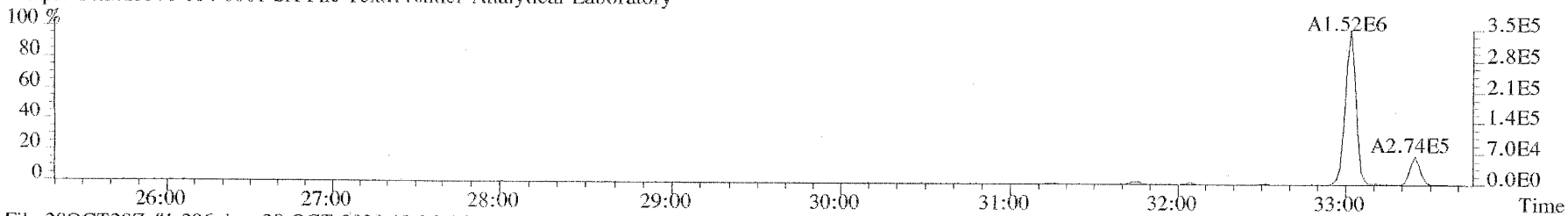
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



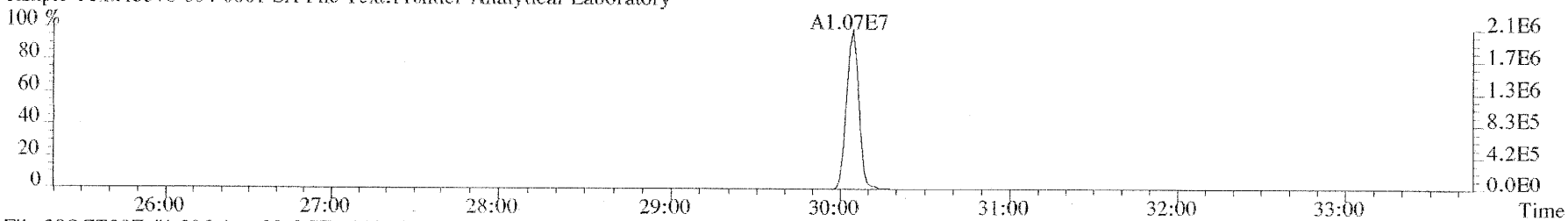
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



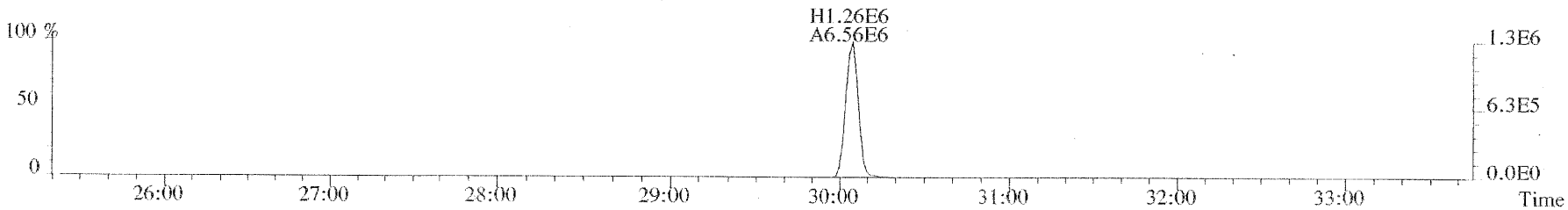
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



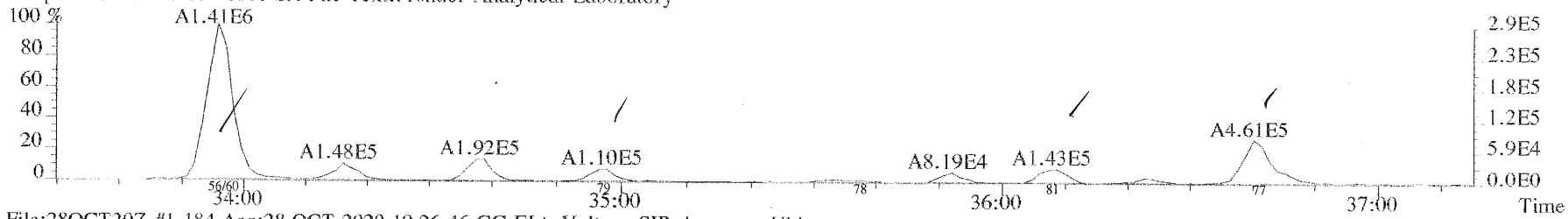
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



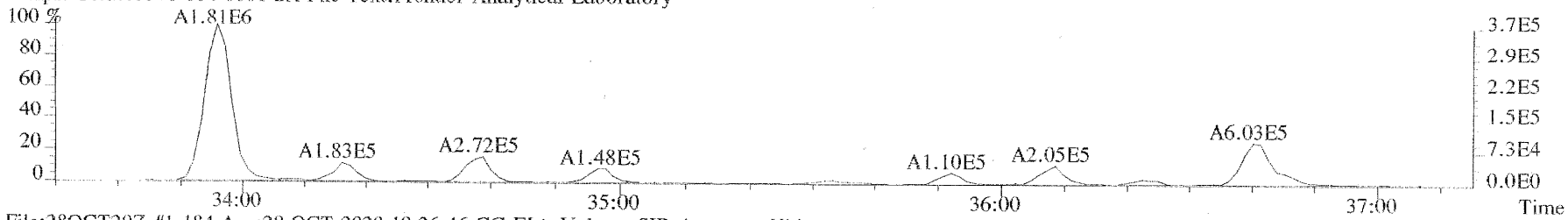
File:28OCT20Z #1-396 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



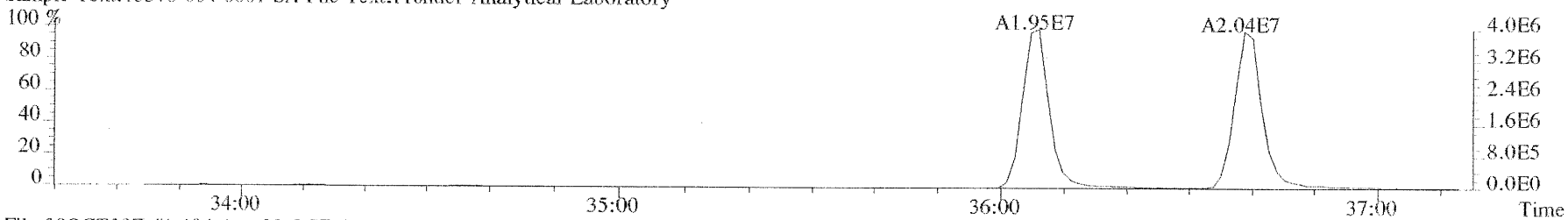
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



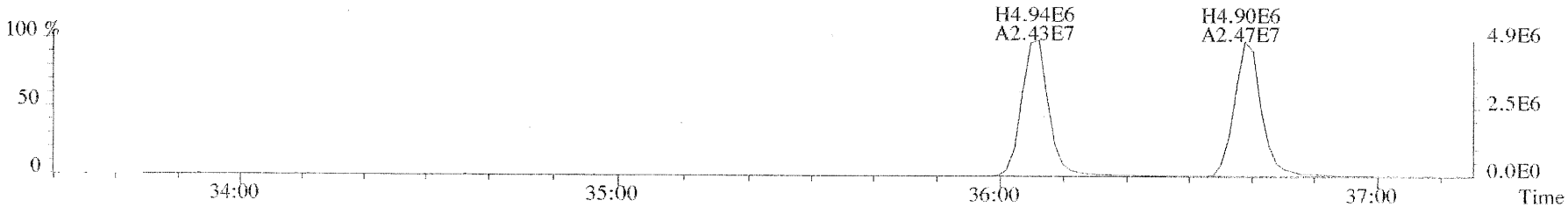
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



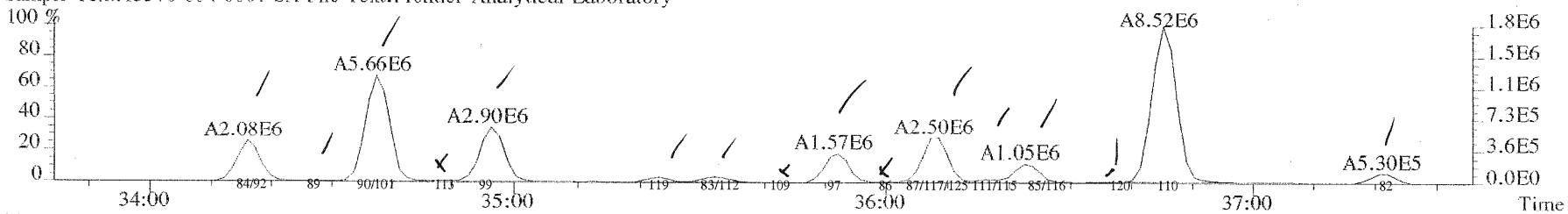
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



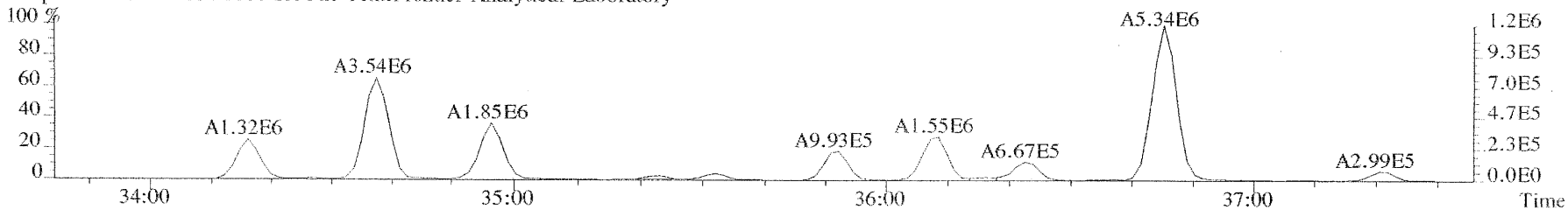
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



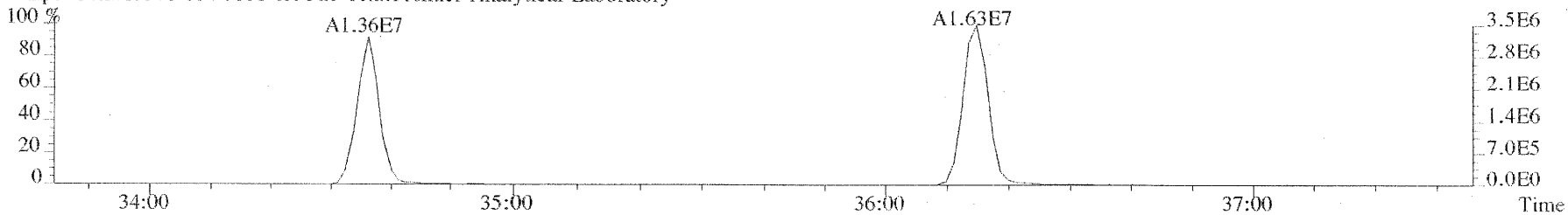
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



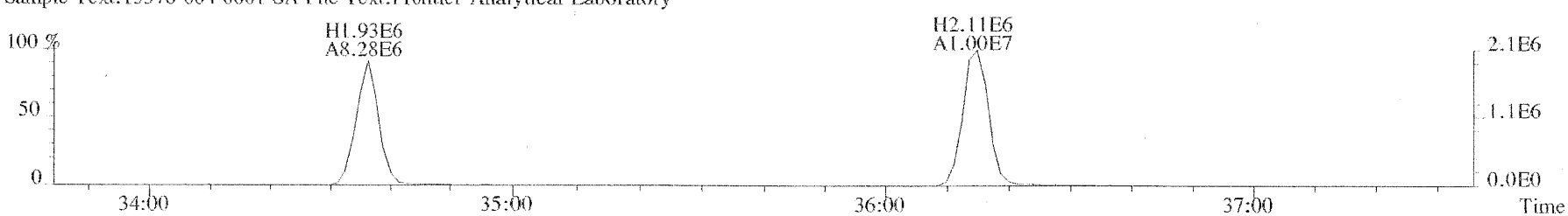
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



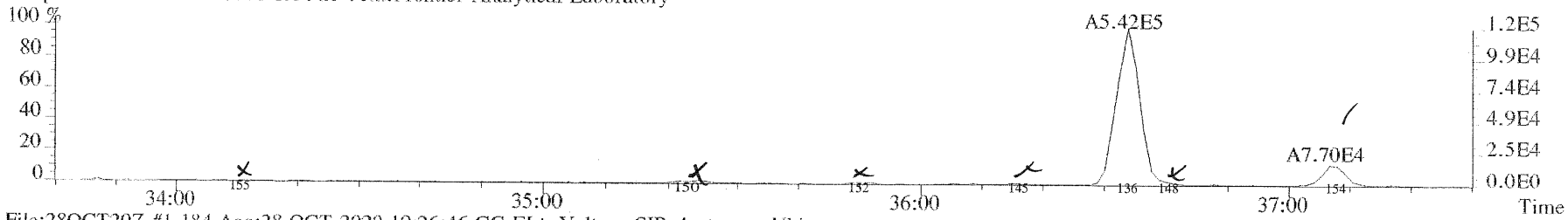
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



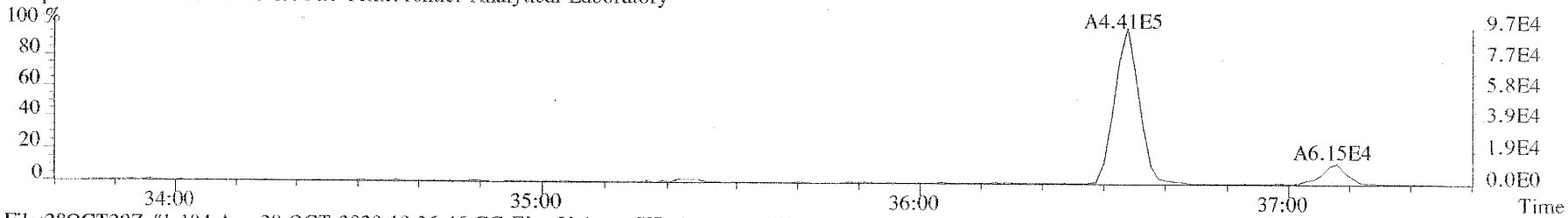
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



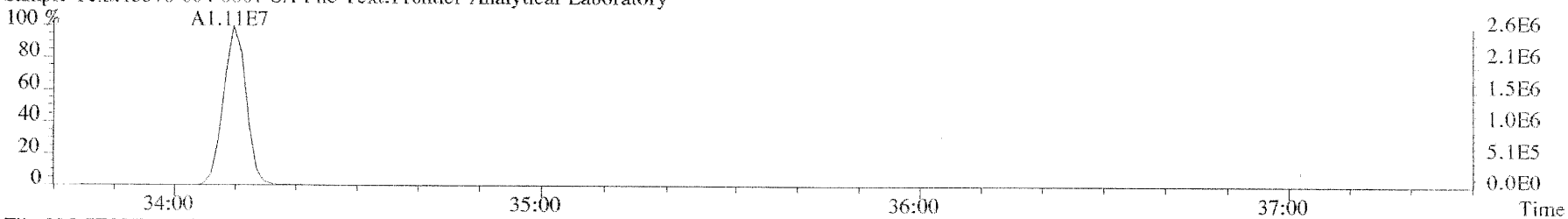
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



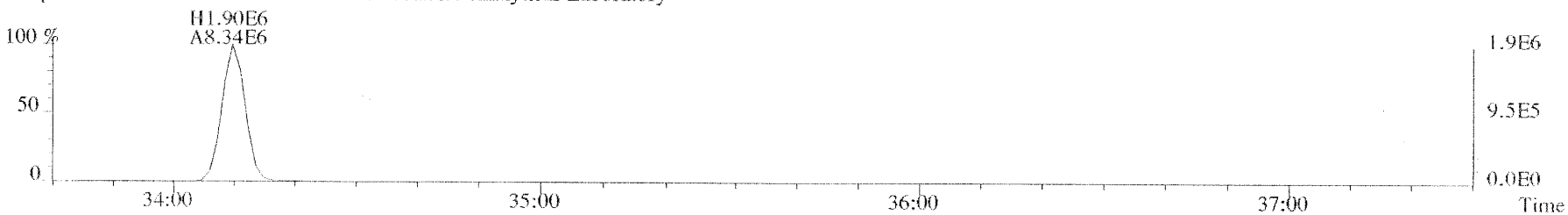
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



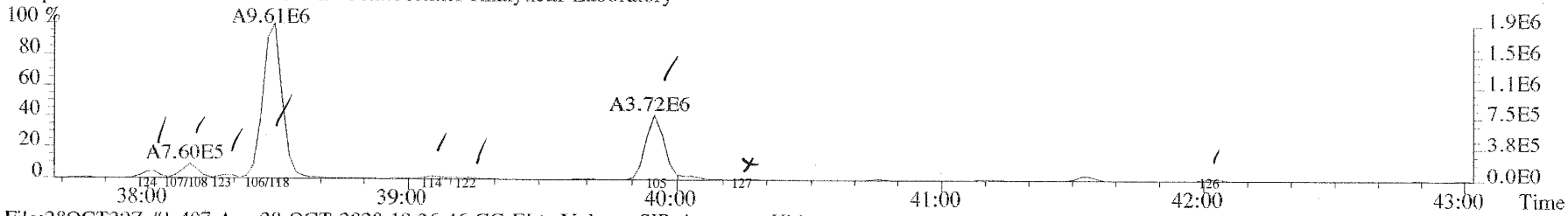
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



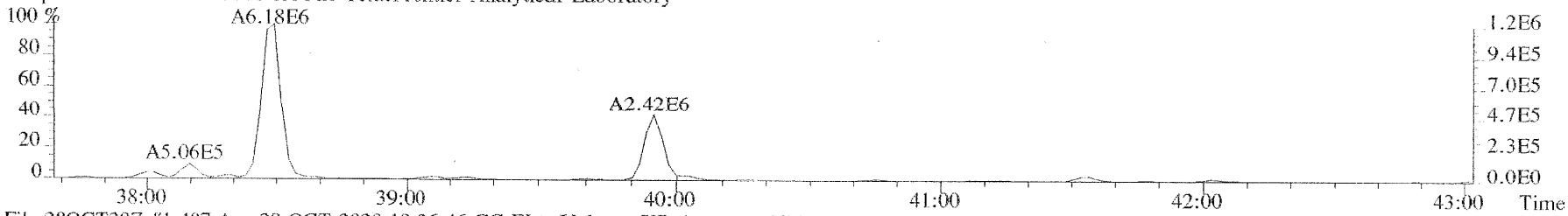
File:28OCT20Z #1-184 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



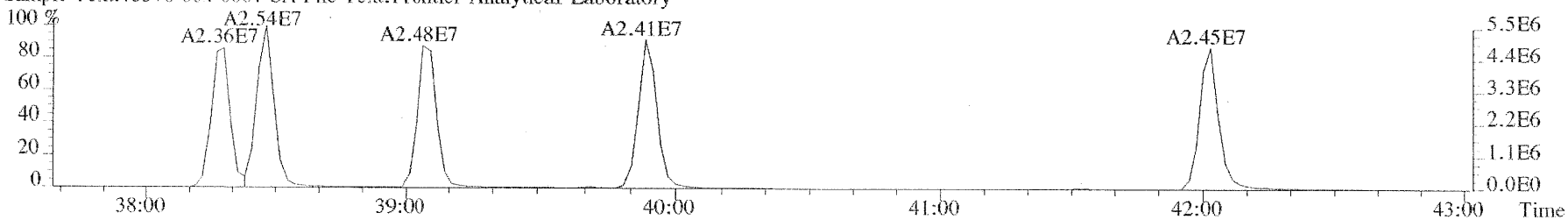
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



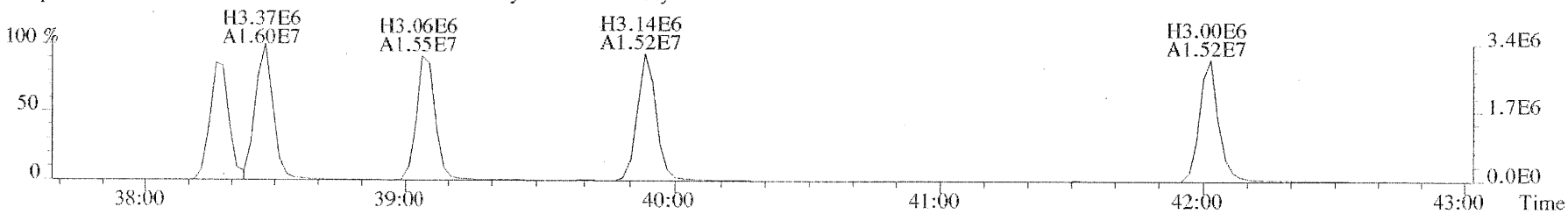
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



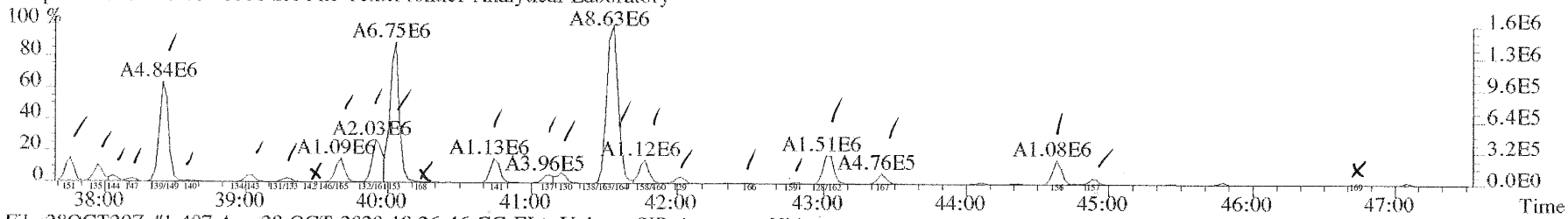
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



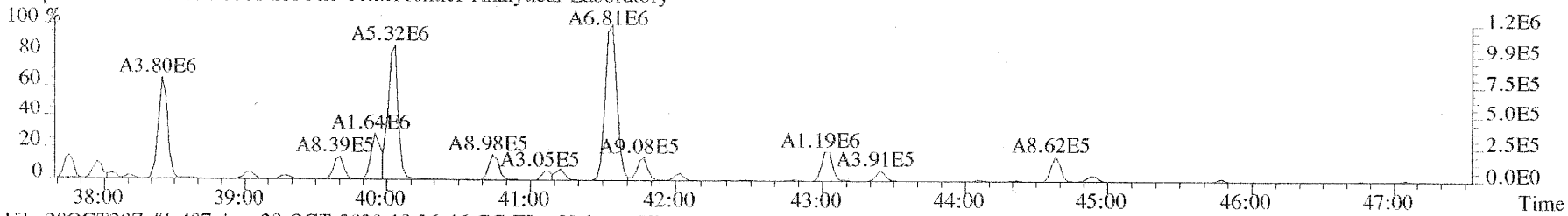
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



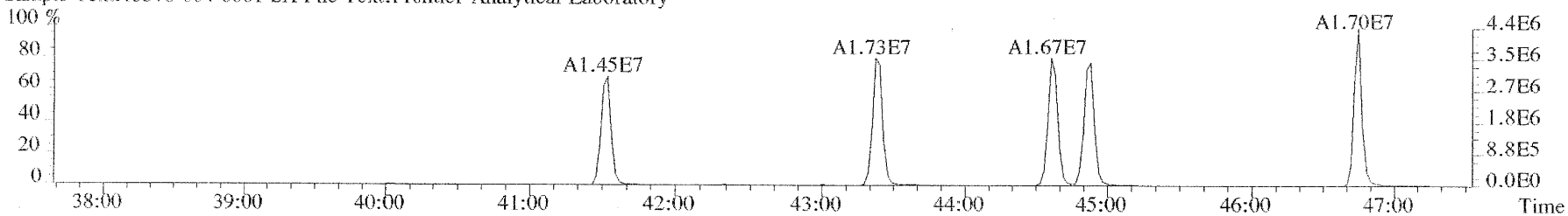
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



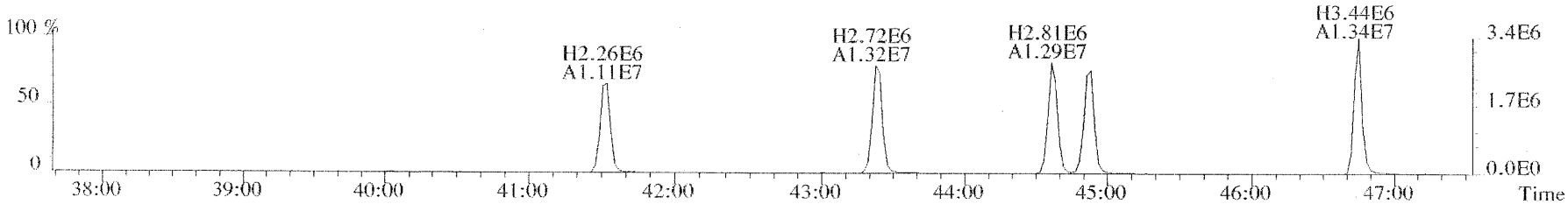
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



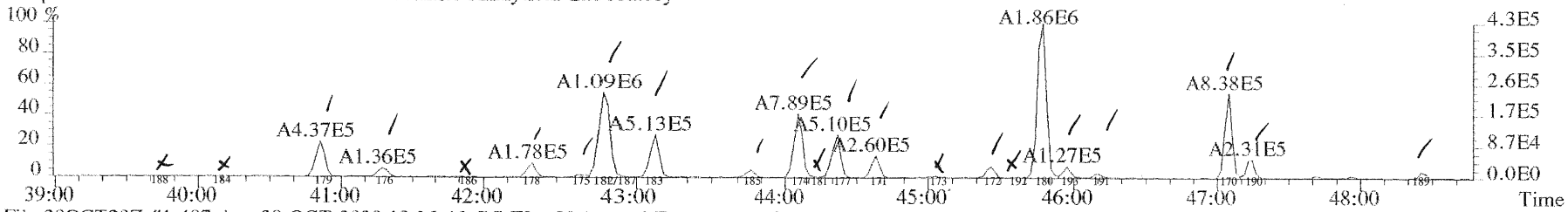
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



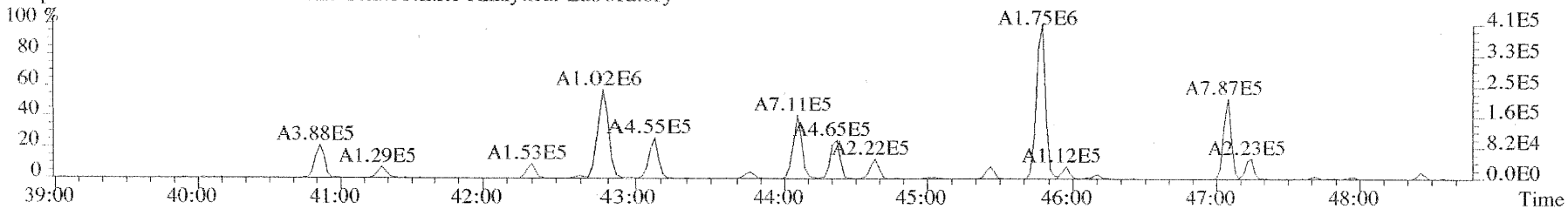
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



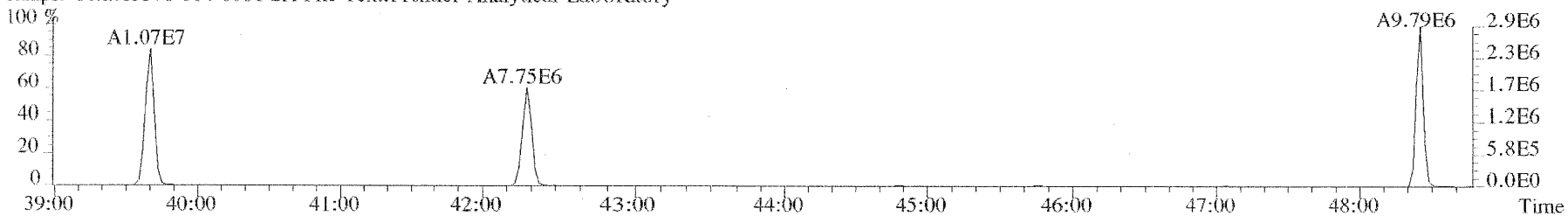
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



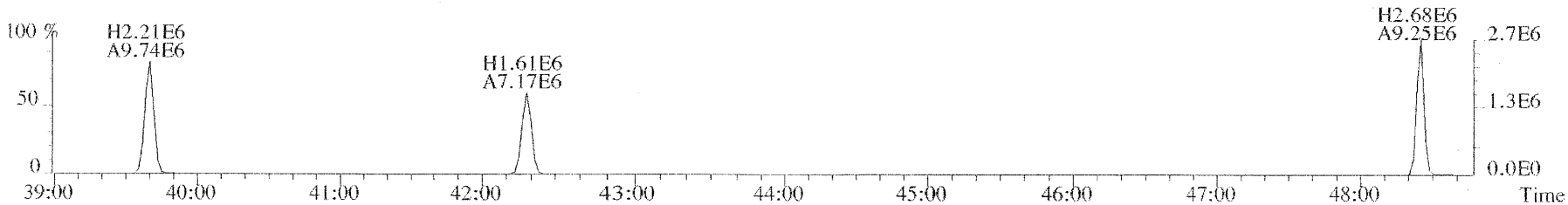
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



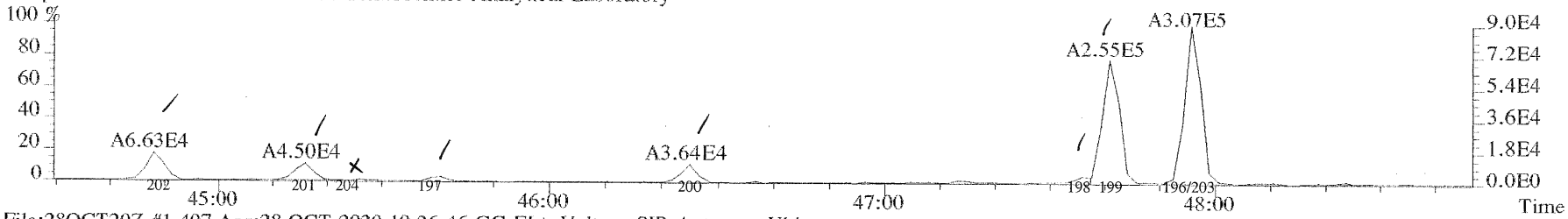
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



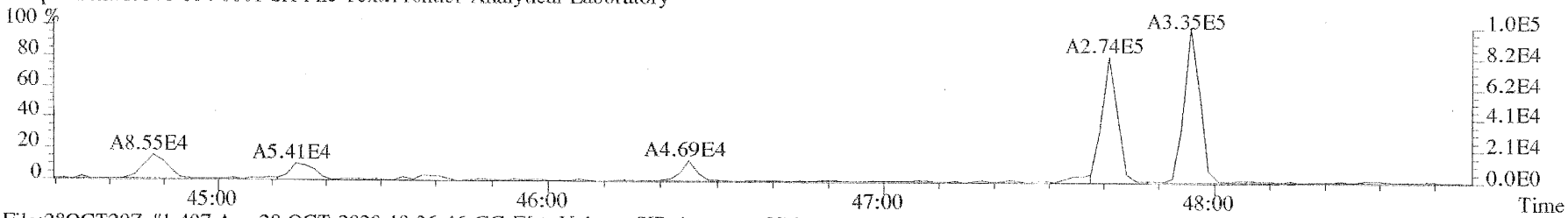
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



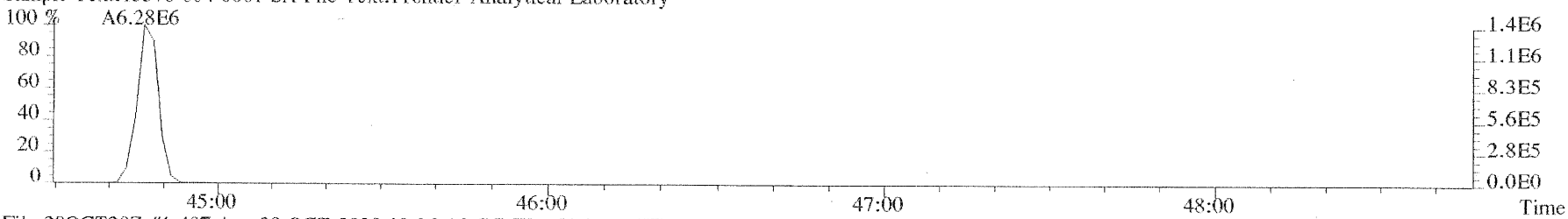
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



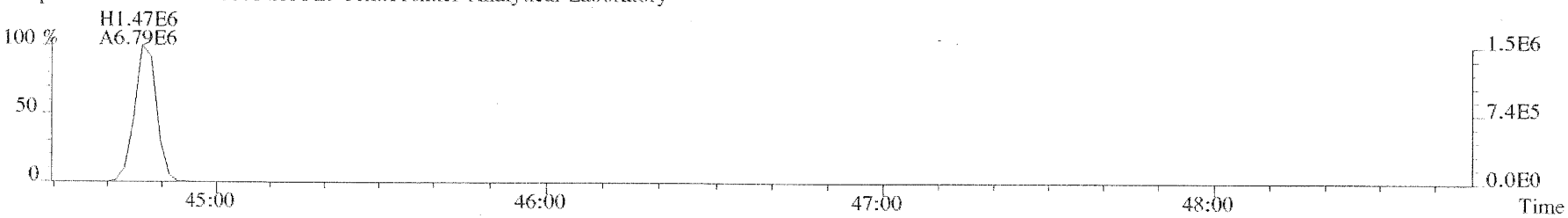
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



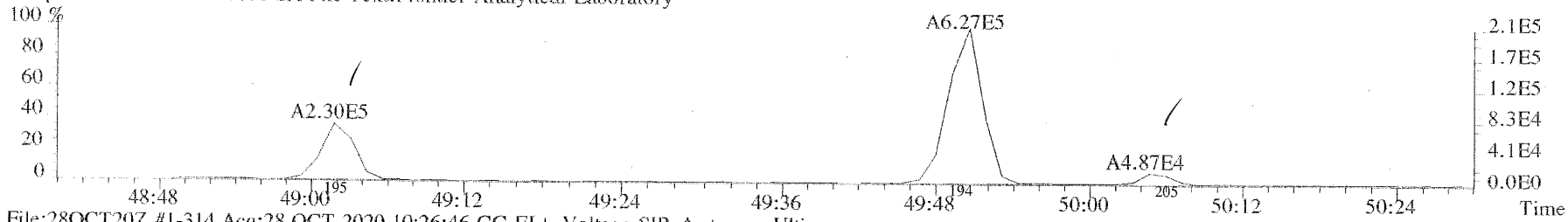
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



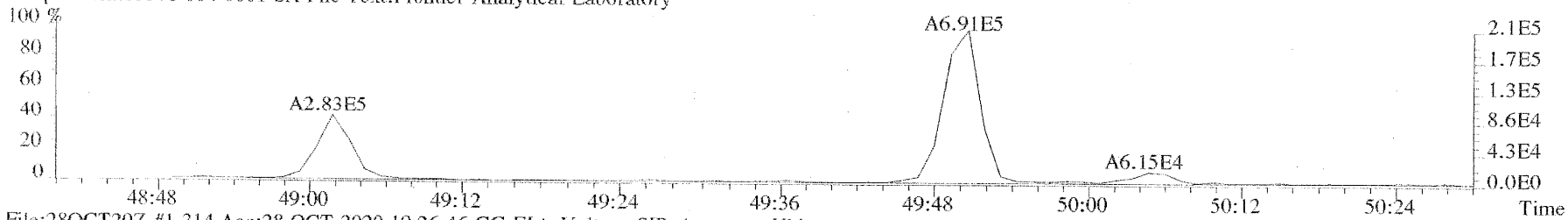
File:28OCT20Z #1-407 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



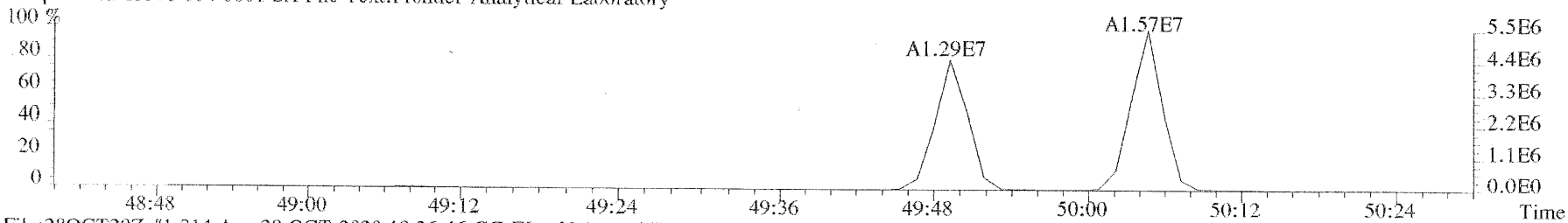
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



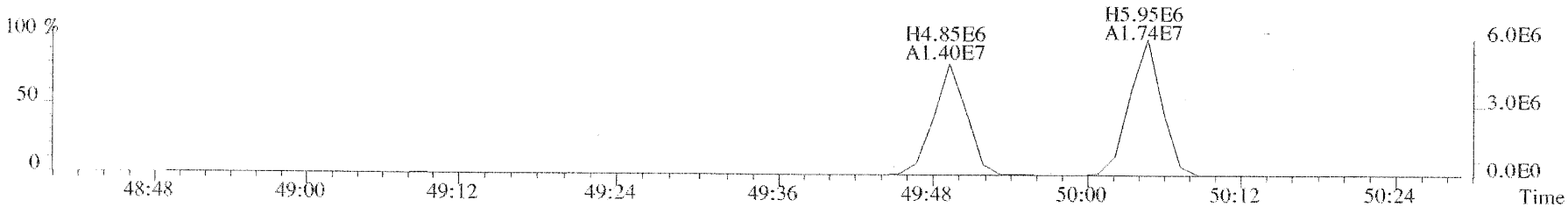
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



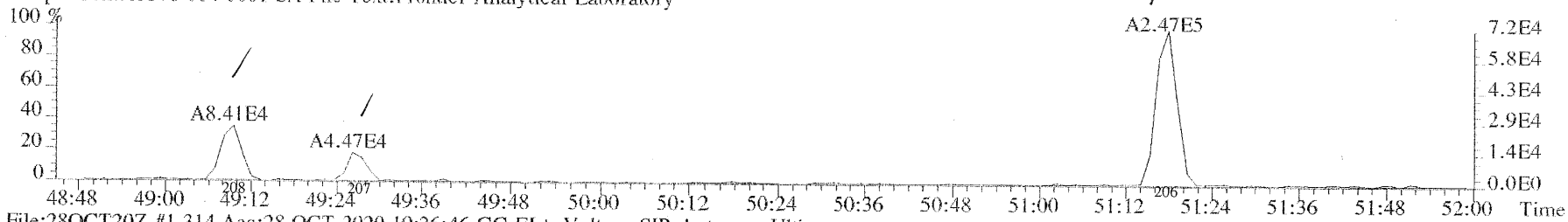
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



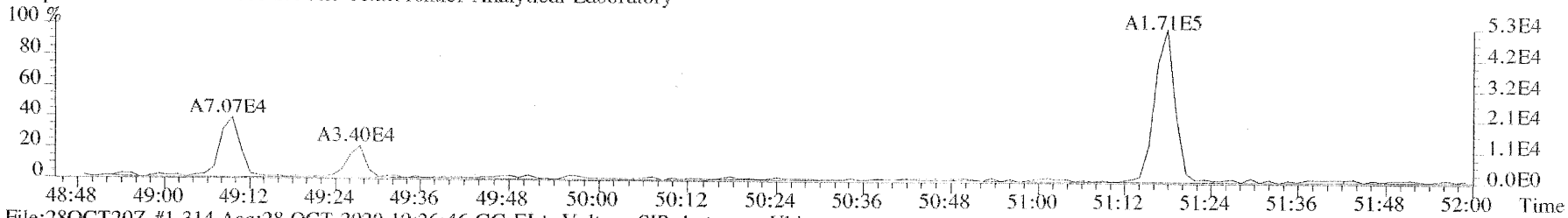
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



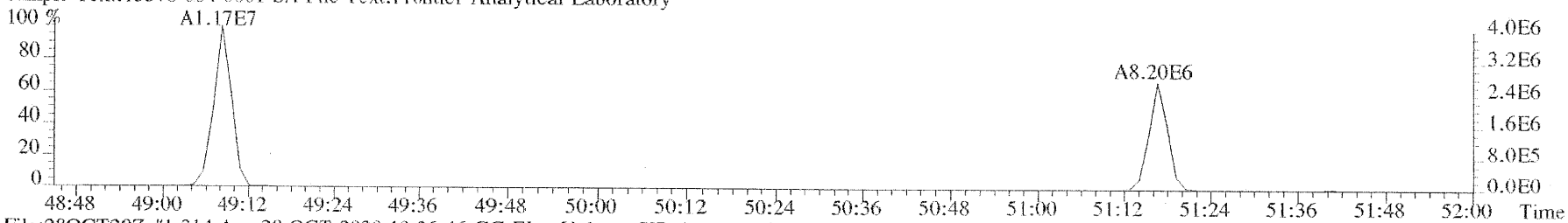
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



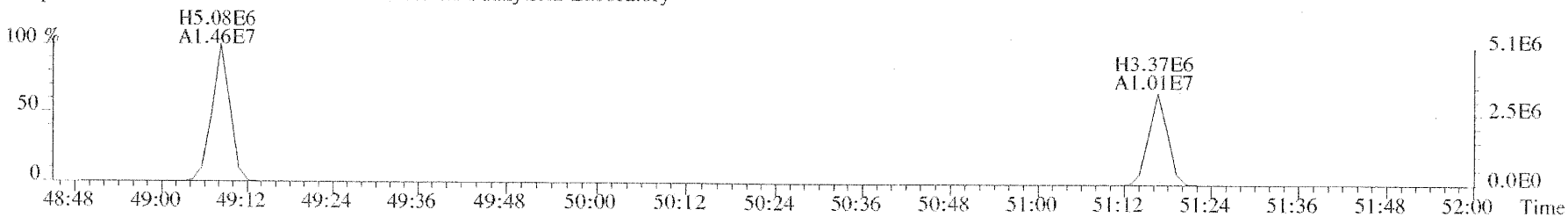
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



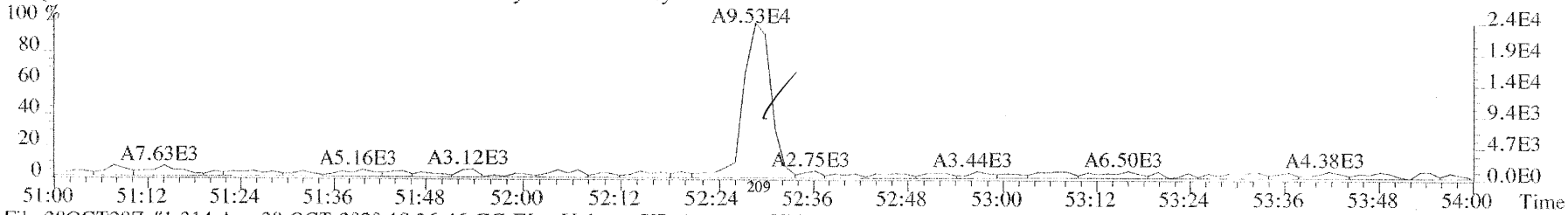
File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 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:13376-004-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 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:13376-004-0001-SA File Text:Frontier Analytical Laboratory



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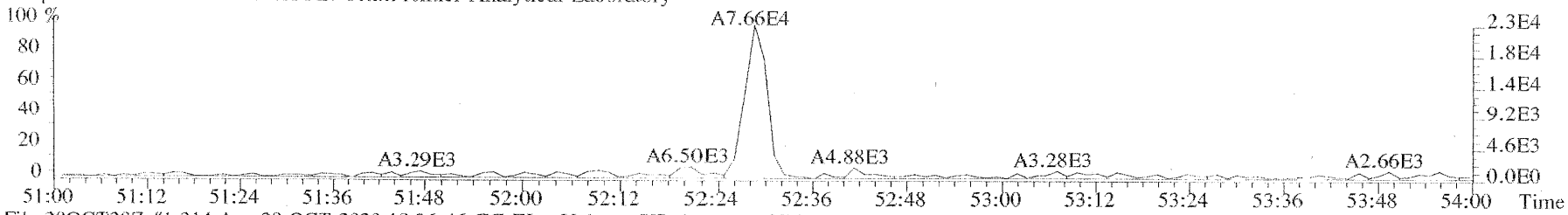
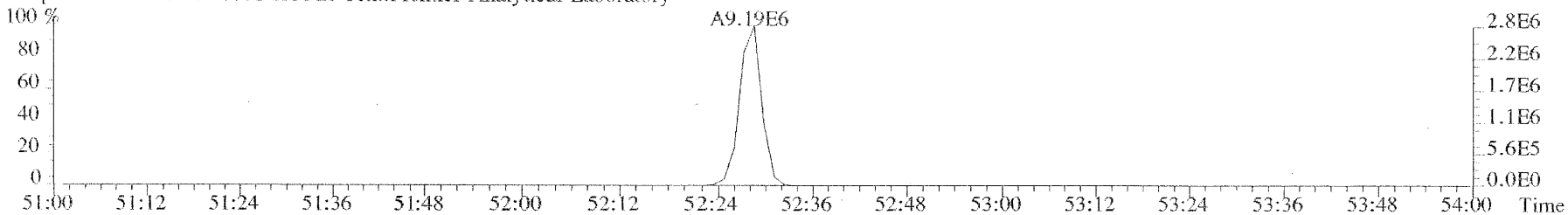
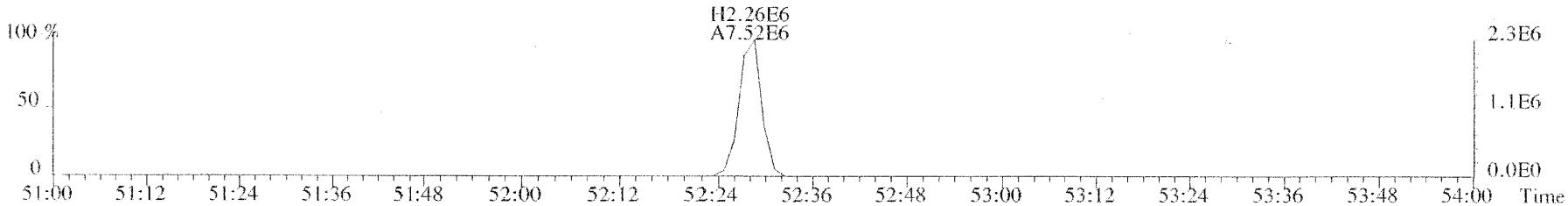
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-004-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 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:13376-004-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 10:26:46 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:13376-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13376-006-0001-SA Filename: 28OCT20Z Sam:6 Acquired: 28-OCT-20 11:25:08 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR+AC-CA-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 GC Column: DB1MS Amount: 10.03

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.63e+06	3.23 y	14:33	1.34	30.7		-	-	*			
13C-PCB-1	3.94e+07	3.29 y	14:32	0.84	839					84.1	1.07e+07	3.27e+06
PCB-2	1.89e+05	3.06 y	16:44	1.37	3.64		-	-	*			
PCB-3	5.61e+05	3.23 y	16:58	1.35	11.4		-	-	*			
13C-PCB-3	3.62e+07	3.39 y	16:56	0.80	807					81.0	8.77e+06	2.58e+06
PCB-4	9.37e+05	1.50 y	18:12	1.00	27.9		-	-	*			
PCB-10	1.31e+05	1.42 y	18:15	1.38	2.15		-	-	*			
13C-PCB-4	3.36e+07	1.56 y	18:10	0.65	922					92.4	6.49e+06	4.12e+06
PCB-9	2.14e+05	1.47 y	19:51	1.36	3.55		-	-	*			
PCB-7	3.20e+05	1.39 y	19:53	1.34	5.40		-	-	*			
PCB-6	1.27e+06	1.55 y	20:29	1.31	21.7		-	-	*			
PCB-8	3.27e+06	1.49 y	20:51	1.27	58.2		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		766	4610	0.810			
PCB-14	*	* n	NotFnd	1.28	*		766	4610	0.822			
PCB-11	5.39e+05	1.50 y	23:02	1.21	10.0		-	-	*			
PCB-13	3.07e+05	1.59 y	23:22	1.22	5.69		-	-	*			
PCB-12	4.64e+05	1.35 y	23:23	1.23	8.49		-	-	*			
PCB-15	2.07e+06	1.55 y	23:42	1.12	33.6		-	-	*			
13C-PCB-15	5.48e+07	1.61 y	23:41	0.94	1040					105	8.97e+06	5.60e+06
PCB-19	2.16e+05	1.16 y	22:04	1.48	8.21		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		3080	776	0.883			
PCB-18	2.09e+06	1.13 y	23:36	1.50	78.4		-	-	*			
PCB-17	9.77e+05	1.12 y	23:46	1.60	34.5		-	-	*			
PCB-27	1.75e+05	1.01 y	24:18	2.07	4.79		-	-	*			
PCB-24	2.00e+05	1.00 y	24:19	2.08	5.44		-	-	*			
PCB-16	6.31e+05	1.11 y	24:47	1.72	20.6		-	-	*			
PCB-32	8.89e+05	1.12 y	24:49	1.82	27.6		-	-	*			
13C-PCB-19	1.77e+07	1.11 y	22:03	0.37	847					84.9	2.64e+06	2.39e+06
13C-PCB-9	5.58e+07	1.62 y	19:50	-	9.29							
PCB-34	5.88e+04	1.11 y	25:34	1.09	1.19	J	-	-	*			
PCB-23	*	* n	NotFnd	1.06	*		1240	1030	0.686			
PCB-29	6.49e+04	1.12 y	25:53	1.11	1.28	J	-	-	*			
PCB-26	3.58e+06	1.00 y	26:04	1.09	72.0		-	-	*			
PCB-25	1.91e+06	1.02 y	26:13	1.05	39.7		-	-	*			
PCB-31	6.32e+06	1.01 y	26:35	1.05	132		-	-	*			
PCB-28	7.14e+06	1.04 y	26:40	1.32	118		-	-	*			
PCB-20	3.33e+06	1.05 y	27:16	1.06	68.5		-	-	*		Co-elute PCB 21/33	
PCB-21	3.33e+06	1.05 y	27:16	1.06	68.5		-	-	*		Co-elute PCB 20/33	
PCB-33	3.33e+06	1.05 y	27:16	1.06	68.5		-	-	*		Co-elute PCB 20/21	
PCB-22	2.18e+06	1.14 y	27:40	1.15	41.5		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1240	1030	0.663			
PCB-39	*	* n	NotFnd	1.12	*		1240	1030	0.646			
PCB-38	*	* n	NotFnd	1.13	*		1240	1030	0.641			
PCB-35	4.11e+05	1.07 y	30:00	1.09	8.25		-	-	*			
PCB-37	2.06e+06	1.02 y	30:27	1.13	40.0		-	-	*			
13C-PCB-37	4.55e+07	1.08 y	30:26	1.64	1080					109	4.05e+06	3.75e+06

PCB-54	*	*	n	NotFnd	1.32	*		968	1520	0.672			
PCB-50	*	*	n	NotFnd	1.09	*		968	1520	0.816			
PCB-53	7.25e+05	0.73	y	27:18	1.03	26.3		-	-	*			
PCB-51	2.14e+05	0.81	y	27:38	1.05	7.68		-	-	*			
PCB-45	4.45e+05	0.83	y	28:03	0.92	18.1		-	-	*			
PCB-46	1.94e+05	0.70	y	28:30	0.87	8.30		-	-	*			
PCB-52	1.33e+07	0.80	y	28:58	1.13	439		-	-	*	Co-elute PCB 69		
PCB-69	1.33e+07	0.80	y	28:58	1.13	439		-	-	*	Co-elute PCB 52		
PCB-73	1.29e+05	0.81	y	29:05	1.31	3.69		-	-	*			
PCB-43	6.10e+06	0.80	y	29:15	0.99	231		-	-	*	Co-elute PCB 49		
PCB-49	6.10e+06	0.80	y	29:15	0.99	231		-	-	*	Co-elute PCB 43		
PCB-47	1.88e+06	0.77	y	29:27	1.07	65.8		-	-	*			
PCB-48	9.28e+05	0.77	y	29:34	1.26	27.6		-	-	*	Co-elute PCB 75		
PCB-75	9.28e+05	0.77	y	29:34	1.26	27.6		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.28	*		968	1520	0.692			
PCB-62	*	*	n	NotFnd	1.29	*		968	1520	0.689			
PCB-44	5.10e+06	0.79	y	30:16	0.86	222		-	-	*			
PCB-42	1.66e+06	0.81	y	30:30	1.10	56.3		-	-	*	Co-elute PCB 59		
PCB-59	1.66e+06	0.81	y	30:30	1.10	56.3		-	-	*	Co-elute PCB 42		
PCB-72	4.04e+06	0.81	y	31:09	1.22	125		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.04e+06	0.81	y	31:09	1.22	125		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.04e+06	0.81	y	31:09	1.22	125		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.04e+06	0.81	y	31:09	1.22	125		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.43e+05	0.80	y	31:24	1.40	3.83		-	-	*			
PCB-40	4.52e+05	0.81	y	31:34	0.79	21.4		-	-	*			
PCB-57	1.07e+05	0.74	y	31:47	1.30	3.09		-	-	*			
PCB-67	3.27e+05	0.67	y	32:05	1.30	9.42		-	-	*			
PCB-58	4.38e+04	0.77	y	32:10	1.27	1.30	J	-	-	*			
PCB-63	2.97e+05	0.80	y	32:20	1.30	8.56		-	-	*			
PCB-74	3.32e+06	0.82	y	32:35	1.30	95.7		-	-	*			
PCB-61	9.59e+06	0.80	y	32:48	1.18	305		-	-	*	Co-elute PCB 70		
PCB-70	9.59e+06	0.80	y	32:48	1.18	305		-	-	*	Co-elute PCB 61		
PCB-76	7.63e+06	0.80	y	32:59	1.33	215		-	-	*	Co-elute PCB 66		
PCB-66	7.63e+06	0.80	y	32:59	1.33	215		-	-	*	Co-elute PCB 76		
PCB-80	1.22e+05	0.79	y	33:08	1.55	2.95		-	-	*			
PCB-55	2.74e+05	0.77	y	33:28	1.33	7.73		-	-	*			
13C-PCB-54	2.66e+07	0.83	y	25:34	1.14	910					91.3	3.16e+06	3.82e+06
PCB-104	*	*	n	NotFnd	1.27	*		300	268	0.427			
PCB-96	6.67e+04	1.67	y	31:26	1.20	3.88		-	-	*			
PCB-103	1.00e+05	1.54	y	31:48	1.03	6.81		-	-	*			
PCB-100	5.19e+04	1.66	y	32:07	1.03	3.50		-	-	*			
PCB-94	4.24e+04	1.45	y	32:33	0.85	3.45		-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*		300	268	0.636	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.85	*		300	268	0.636	Co-elute PCB 98		
PCB-95	9.39e+06	1.58	y	33:03	0.91	716		-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*		300	268	0.597			
PCB-88	1.56e+06	1.50	y	33:26	0.95	114		-	-	*	Co-elute PCB 91		
PCB-91	1.56e+06	1.50	y	33:26	0.95	114		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.16	*		300	268	0.470			
13C-PCB-104	1.43e+07	1.62	y	30:05	0.71	783					78.5	1.59e+06	1.01e+06
13C-PCB-28	5.09e+07	1.04	y	26:39	1.91	1040					105	6.28e+06	6.22e+06
13C-PCB-52	2.56e+07	0.81	y	28:55	-	8.82							

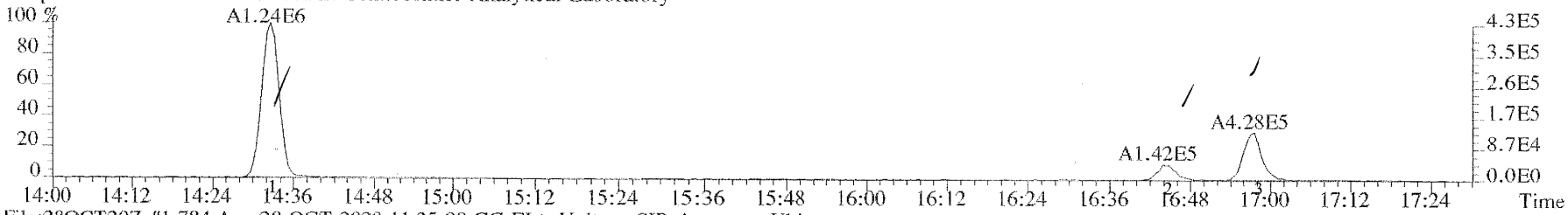
PCB-56	4.42e+06	0.80	y	33:57	1.14	101		-	-	*		Co-elute PCB 60
PCB-60	4.42e+06	0.80	y	33:57	1.14	101		-	-	*		Co-elute PCB 56
PCB-79	4.17e+05	0.68	y	34:58	1.20	9.14		-	-	*		
PCB-78	*	*	n	NotFnd	1.17	*		1070	1420	0.666		
PCB-81	6.69e+05	0.72	y	36:08	1.24	14.4		-	-	*		
13C-PCB-81	3.73e+07	0.82	y	36:06	1.70	1050					105	3.53e+06 4.34e+06
PCB-77	1.05e+06	0.76	y	36:41	1.09	24.6		-	-	*		
13C-PCB-77	3.88e+07	0.81	y	36:40	1.77	1050					105	3.62e+06 4.51e+06
PCB-155	*	*	n	NotFnd	1.21	*		688	372	0.542		
PCB-150	3.25e+04	1.18	y	35:24	1.16	1.65	J	-	-	*		
PCB-152	*	*	n	NotFnd	1.16	*		688	372	0.563		
PCB-145	*	*	n	NotFnd	1.17	*		688	372	0.561		
PCB-136	1.95e+06	1.27	y	36:35	1.05	109		-	-	*		
PCB-148	*	*	n	NotFnd	0.96	*		688	372	0.683		
PCB-154	1.86e+05	1.32	y	37:08	1.00	11.0		-	-	*		
13C-PCB-155	1.69e+07	1.31	y	34:11	0.95	851					85.3	2.30e+06 1.74e+06
13C-PCB-111	2.19e+07	1.60	y	36:16	1.26	833					83.5	2.89e+06 1.80e+06
13C-PCB-101	2.09e+07	1.61	y	34:37	-	9.05						
PCB-84	7.64e+06	1.56	y	34:17	0.71	304		-	-	*		Co-elute PCB 92
PCB-92	7.64e+06	1.56	y	34:17	0.71	304		-	-	*		Co-elute PCB 84
PCB-89	1.46e+05	1.44	y	34:27	0.71	5.78		-	-	*		
PCB-90	1.99e+07	1.60	y	34:39	0.80	704		-	-	*		Co-elute PCB 101
PCB-101	1.99e+07	1.60	y	34:39	0.80	704		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.86	*		1110	1070	0.865		
PCB-99	9.51e+06	1.57	y	34:58	0.91	296		-	-	*		
PCB-119	6.34e+05	1.50	y	35:24	1.01	17.7		-	-	*		
PCB-83	9.91e+05	1.62	y	35:33	0.80	35.1		-	-	*		Co-elute PCB 112
PCB-112	9.91e+05	1.62	y	35:33	0.80	35.1		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.99	*		1110	1070	0.750		
PCB-97	5.54e+06	1.58	y	35:53	0.68	231		-	-	*		
PCB-86	*	*	n	NotFnd	0.64	*		1110	1070	1.15		
PCB-125	8.71e+06	1.57	y	36:08	0.92	267		-	-	*		Co-elute PCB 87/117
PCB-87	8.71e+06	1.57	y	36:08	0.92	267		-	-	*		Co-elute PCB 125/117
PCB-117	8.71e+06	1.57	y	36:08	0.92	267		-	-	*		Co-elute PCB 125/87
PCB-111	3.48e+05	1.53	y	36:17	1.01	9.75		-	-	*		Co-elute PCB 115
PCB-115	3.48e+05	1.53	y	36:17	1.01	9.75		-	-	*		Co-elute PCB 111
PCB-85	3.46e+06	1.62	y	36:24	0.88	111		-	-	*		Co-elute PCB 116
PCB-116	3.46e+06	1.62	y	36:24	0.88	111		-	-	*		Co-elute PCB 85
PCB-120	8.22e+04	1.45	y	36:37	1.04	2.22		-	-	*		
PCB-110	2.86e+07	1.59	y	36:46	0.98	820		-	-	*		
PCB-82	1.83e+06	1.54	y	37:22	0.61	84.2		-	-	*		
PCB-124	1.25e+06	1.63	y	38:01	1.10	32.1		-	-	*		
PCB-108	2.07e+06	1.58	y	38:10	1.13	51.6		-	-	*		Co-elute PCB 107
PCB-107	2.07e+06	1.58	y	38:10	1.13	51.6		-	-	*		Co-elute PCB 108
PCB-123	4.85e+05	1.61	y	38:19	1.01	14.1		-	-	*		
13C-PCB-123	3.39e+07	1.59	y	38:18	1.33	1060					106	4.50e+06 2.82e+06
PCB-118	2.72e+07	1.55	y	38:29	1.08	680		-	-	*		Co-elute PCB 106
PCB-106	2.72e+07	1.55	y	38:29	1.08	680		-	-	*		Co-elute PCB 118
13C-PCB-118	3.69e+07	1.61	y	38:28	1.43	1070					107	4.67e+06 2.94e+06
PCB-114	5.08e+05	1.42	y	39:06	1.13	12.5		-	-	*		
13C-PCB-114	3.58e+07	1.61	y	39:06	1.39	1070					107	4.71e+06 2.92e+06
PCB-122	3.41e+05	1.54	y	39:14	1.12	8.61		-	-	*		
PCB-105	1.08e+07	1.54	y	39:55	1.17	264		-	-	*		
13C-PCB-105	3.47e+07	1.61	y	39:55	1.36	1060					106	4.25e+06 2.58e+06

PCB-127	*	*	n	NotFnd	1.08	*	1420	1040	0.771			
PCB-126	1.66e+05	1.72	y	42:02	1.12	4.50	-	-	*			
13C-PCB-126	3.31e+07	1.58	y	42:02	1.30	1060				106	4.16e+06	2.63e+06
PCB-151	3.45e+06	1.27	y	37:45	0.99	138	-	-	*			
PCB-135	2.51e+06	1.30	y	37:58	0.96	103	-	-	*			
PCB-144	9.33e+05	1.33	y	38:05	1.03	35.5	-	-	*			
PCB-147	5.20e+05	1.42	y	38:11	1.08	18.9	-	-	*			
PCB-139	1.62e+07	1.29	y	38:26	1.07	595	-	-	*	Co-elute PCB 149		
PCB-149	1.62e+07	1.29	y	38:26	1.07	595	-	-	*	Co-elute PCB 139		
PCB-140	1.72e+05	1.19	y	38:36	1.08	6.28	-	-	*			
PCB-143	1.24e+06	1.31	y	39:02	0.88	55.9	-	-	*	Co-elute PCB 134		
PCB-134	1.24e+06	1.31	y	39:02	0.88	55.9	-	-	*	Co-elute PCB 143		
PCB-131	6.72e+05	1.28	y	39:19	0.87	30.3	-	-	*	Co-elute PCB 133		
PCB-133	6.72e+05	1.28	y	39:19	0.87	30.3	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.91	*	1070	960	0.993			
PCB-165	3.25e+06	1.26	y	39:40	1.15	111	-	-	*	Co-elute PCB 146		
PCB-146	3.25e+06	1.26	y	39:40	1.15	111	-	-	*	Co-elute PCB 165		
PCB-161	7.11e+06	1.28	y	39:57	1.09	257	-	-	*	Co-elute PCB 132		
PCB-132	7.11e+06	1.28	y	39:57	1.09	257	-	-	*	Co-elute PCB 161		
PCB-153	2.18e+07	1.28	y	40:03	1.19	722	-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*	1070	960	0.714			
PCB-141	3.76e+06	1.28	y	40:46	0.98	150	-	-	*			
PCB-137	1.53e+06	1.25	y	41:07	0.93	64.5	-	-	*			
PCB-130	1.59e+06	1.36	y	41:12	0.93	67.2	-	-	*			
PCB-138	2.88e+07	1.29	y	41:34	1.17	971	-	-	*	Co-elute PCB 163/164		
PCB-163	2.88e+07	1.29	y	41:34	1.17	971	-	-	*	Co-elute PCB 138/164		
PCB-164	2.88e+07	1.29	y	41:34	1.17	971	-	-	*	Co-elute PCB 138/163		
PCB-158	3.75e+06	1.28	y	41:47	1.32	112	-	-	*	Co-elute PCB 160		
PCB-160	3.75e+06	1.28	y	41:47	1.32	112	-	-	*	Co-elute PCB 158		
PCB-129	1.26e+06	1.29	y	42:02	0.86	57.6	-	-	*			
PCB-166	1.57e+05	1.19	y	42:28	1.26	4.89	-	-	*			
PCB-159	1.56e+05	1.20	y	42:49	1.35	4.53	-	-	*			
PCB-128	5.07e+06	1.28	y	43:03	1.09	182	-	-	*	Co-elute PCB 162		
PCB-162	5.07e+06	1.28	y	43:03	1.09	182	-	-	*	Co-elute PCB 128		
PCB-167	1.34e+06	1.34	y	43:26	1.22	42.1	-	-	*			
13C-PCB-167	2.60e+07	1.29	y	43:24	1.11	971				97.4	3.27e+06	2.53e+06
PCB-156	3.29e+06	1.29	y	44:38	1.26	105	-	-	*			
13C-PCB-156	2.47e+07	1.32	y	44:38	1.16	882				88.4	2.88e+06	2.17e+06
PCB-157	9.33e+05	1.32	y	44:54	1.25	28.8	-	-	*			
13C-PCB-157	2.58e+07	1.30	y	44:53	1.13	945				94.8	3.08e+06	2.36e+06
PCB-169	*	*	n	NotFnd	1.20	*	1070	960	0.666			
13C-PCB-169	2.49e+07	1.28	y	46:45	1.06	972				97.5	3.57e+06	2.78e+06

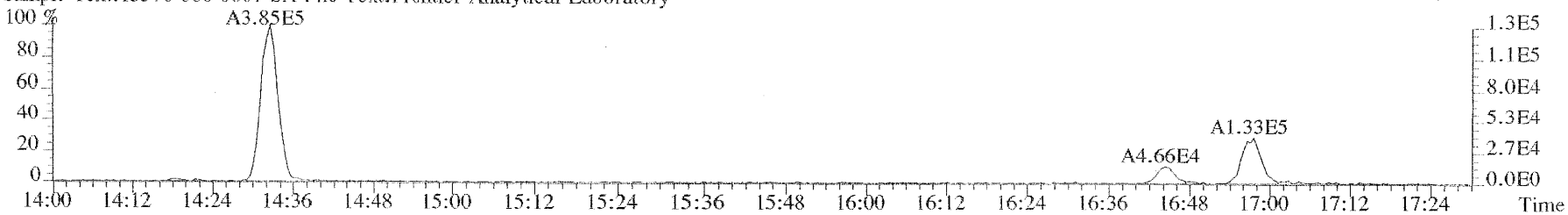
PCB-188	*	*	n NotFnd	1.20	*	620	772	0.761			
13C-PCB-188	1.77e+07	1.08	y 39:40	0.88	839				84.2	1.98e+06	1.82e+06
PCB-184	*	*	n NotFnd	1.30	*	620	772	0.614			
PCB-179	1.29e+06	1.06	y 40:51	1.24	60.3	-	-	*			
PCB-176	4.08e+05	1.02	y 41:17	1.19	19.8	-	-	*			
PCB-186	*	*	n NotFnd	1.23	*	620	772	0.646			
PCB-178	4.59e+05	1.12	y 42:20	0.88	30.1	-	-	*			
PCB-175	1.18e+05	1.13	y 42:39	0.92	7.38	-	-	*			
PCB-187	2.90e+06	1.07	y 42:49	0.99	169	-	-	*		Co-elute PCB 182	
PCB-182	2.90e+06	1.07	y 42:49	0.99	169	-	-	*		Co-elute PCB 187	
PCB-183	1.44e+06	1.10	y 43:07	0.99	84.8	-	-	*			
PCB-185	2.45e+05	1.13	y 43:45	0.92	15.4	-	-	*			
PCB-174	2.34e+06	1.04	y 44:05	0.91	149	-	-	*			
PCB-181	*	*	n NotFnd	0.95	*	620	772	0.837			
PCB-177	1.37e+06	1.05	y 44:22	0.85	92.8	-	-	*			
PCB-171	6.82e+05	1.05	y 44:38	0.92	42.9	-	-	*			
PCB-173	6.43e+04	1.08	y 45:03	0.81	4.62	-	-	*			
PCB-172	4.03e+05	1.18	y 45:26	0.85	27.4	-	-	*			
PCB-192	*	*	n NotFnd	1.10	*	620	772	0.723			
PCB-180	5.33e+06	1.07	y 45:47	0.87	353	-	-	*			
PCB-193	3.51e+05	1.12	y 45:57	1.18	17.2	-	-	*			
PCB-191	1.50e+05	1.02	y 46:10	1.12	7.75	-	-	*			
PCB-170	2.50e+06	1.11	y 47:04	0.85	169	-	-	*			
PCB-190	6.75e+05	1.00	y 47:14	1.12	34.9	-	-	*			
PCB-189	1.35e+05	1.17	y 48:27	1.19	6.80	-	-	*			
13C-PCB-189	1.67e+07	1.06	y 48:25	0.84	823				82.5	2.66e+06	2.51e+06
PCB-202	2.53e+05	0.95	y 44:48	1.10	20.7	-	-	*			
PCB-201	1.76e+05	0.97	y 45:16	1.17	13.6	-	-	*			
PCB-204	*	*	n NotFnd	1.21	*	536	568	0.910			
PCB-197	4.99e+04	0.83	y 45:41	1.20	3.76	-	-	*			
PCB-200	1.69e+05	0.83	y 46:25	1.15	13.3	-	-	*			
PCB-198	6.23e+04	0.83	y 47:36	0.84	6.66	-	-	*			
PCB-199	9.79e+05	0.93	y 47:41	0.90	98.1	-	-	*			
PCB-203	1.17e+06	0.90	y 47:56	0.95	111	-	-	*		Co-elute PCB 196	
PCB-196	1.17e+06	0.90	y 47:56	0.95	111	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.10e+07	0.93	y 44:48	0.61	751				75.3	1.22e+06	1.28e+06
13C-PCB-178	1.22e+07	1.09	y 42:18	0.67	754				75.6	1.35e+06	1.22e+06
13C-PCB-138	2.40e+07	1.32	y 41:32	-	9.25						
PCB-195	8.92e+05	0.88	y 49:02	0.80	38.3	-	-	*			
PCB-194	2.54e+06	0.92	y 49:50	0.91	96.2	-	-	*			
PCB-205	1.79e+05	1.02	y 50:06	1.08	5.67	-	-	*			
13C-PCB-205	2.90e+07	0.91	y 50:05	1.25	927				92.9	4.69e+06	5.28e+06
PCB-208	3.14e+05	1.40	y 49:09	1.11	12.5	-	-	*			
13C-PCB-208	2.26e+07	0.81	y 49:08	1.00	898				90.1	3.17e+06	3.98e+06
PCB-207	1.75e+05	1.35	y 49:27	1.25	7.20	-	-	*			
PCB-206	1.15e+06	1.28	y 51:18	1.13	62.5	-	-	*			
13C-PCB-206	1.62e+07	0.79	y 51:16	0.78	821				82.4	2.26e+06	2.84e+06
PCB-209	4.61e+05	1.21	y 52:28	1.26	24.6	-	-	*			
13C-PCB-209	1.48e+07	1.23	y 52:28	0.78	757				76.0	2.45e+06	1.95e+06
13C-PCB-194	2.51e+07	0.94	y 49:49	-	8.87						

Analyst: _____ Date: 11/3/20

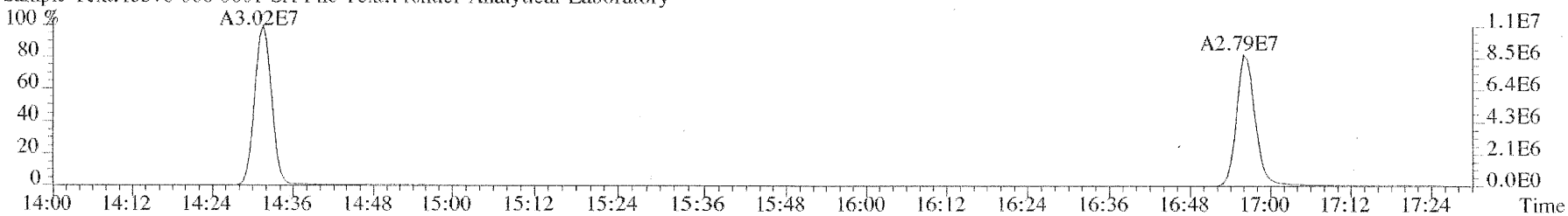
File:28OCT20Z #1-784 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



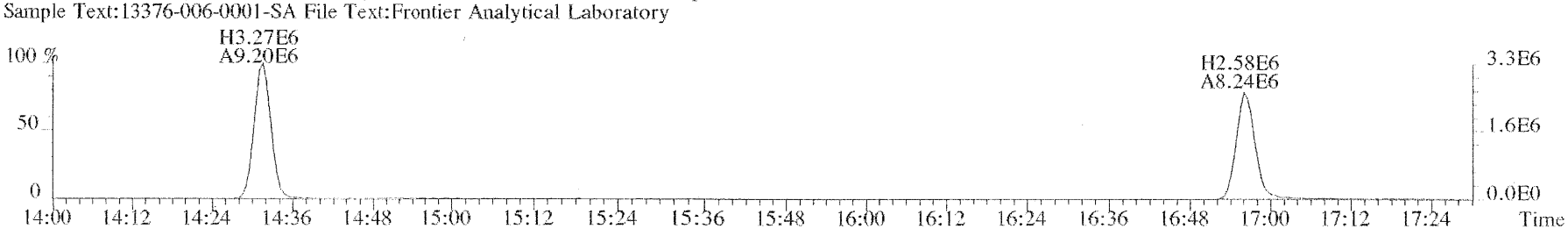
File:28OCT20Z #1-784 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



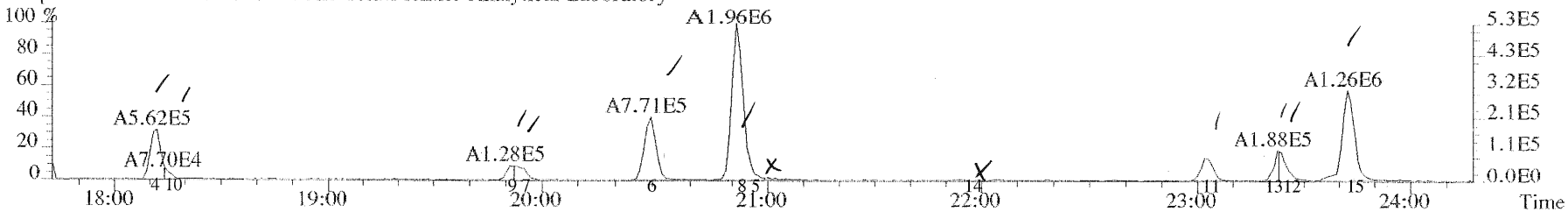
File:28OCT20Z #1-784 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



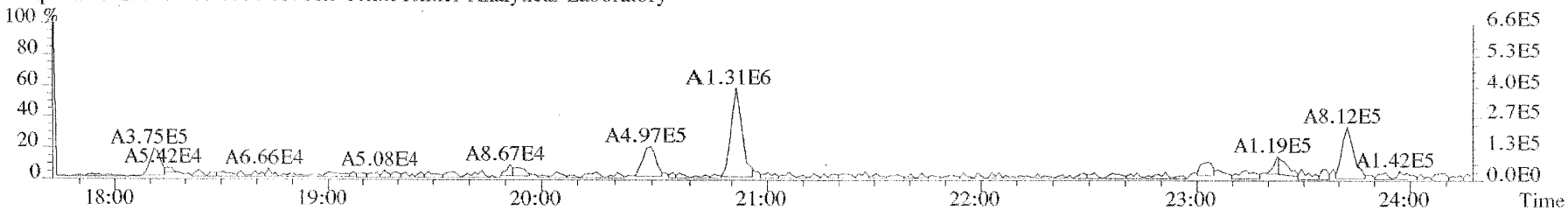
File:28OCT20Z #1-784 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



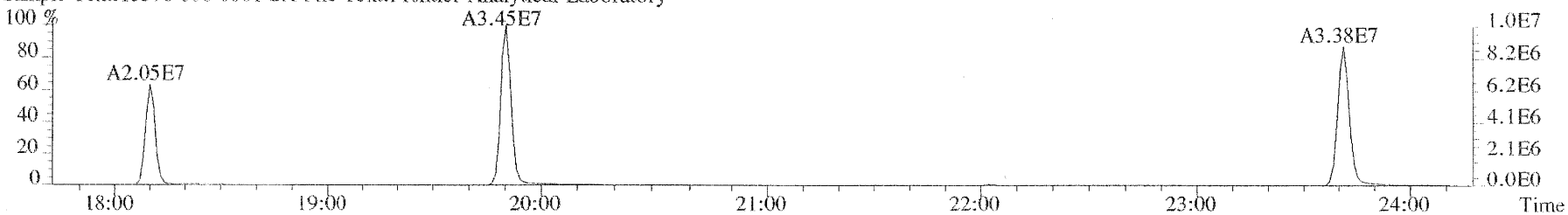
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



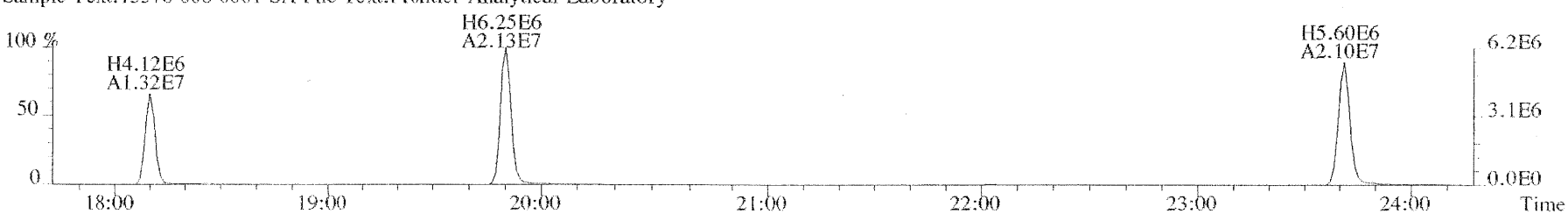
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



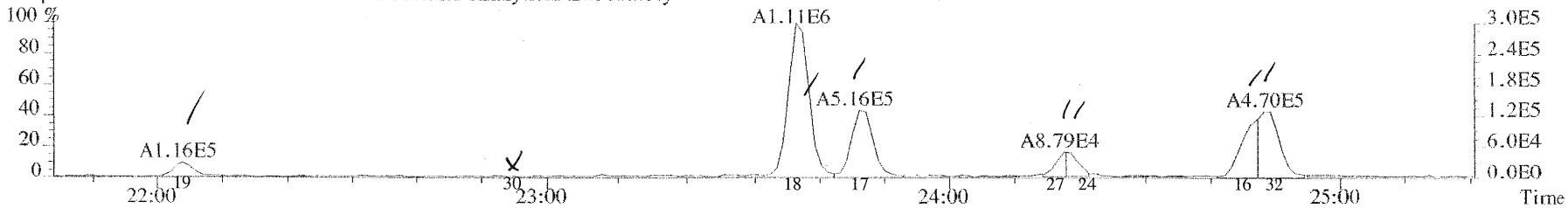
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



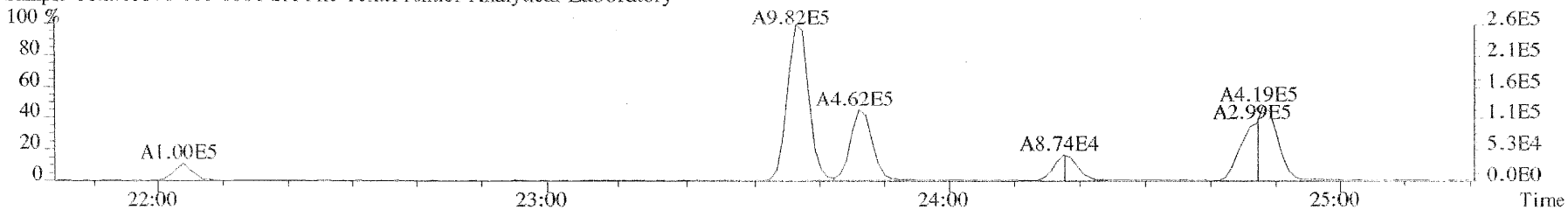
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



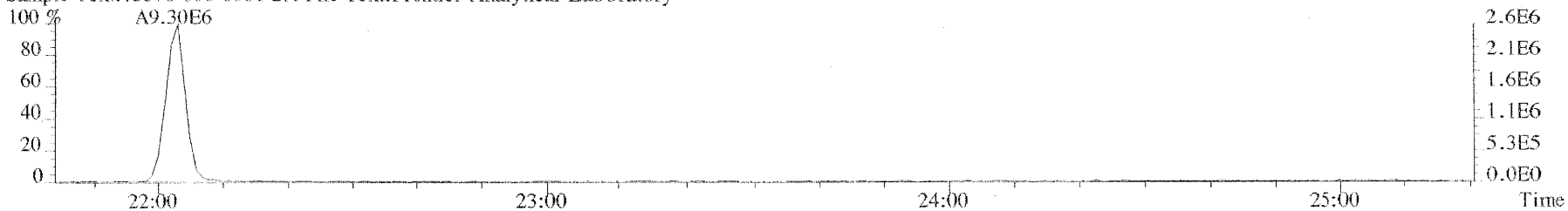
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



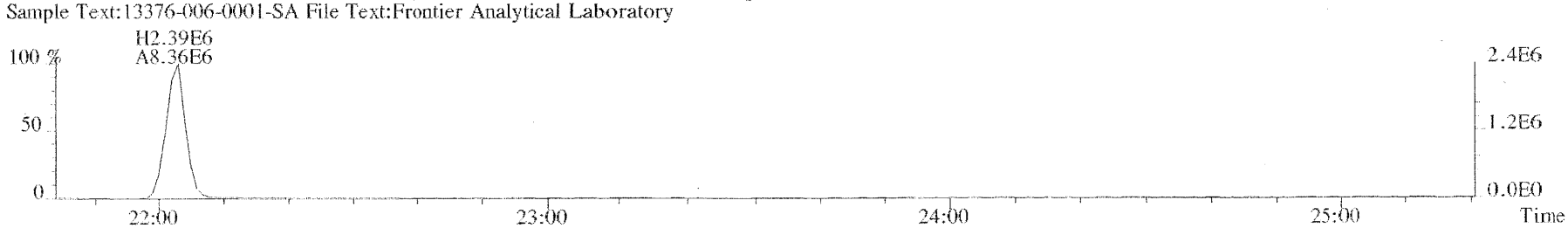
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



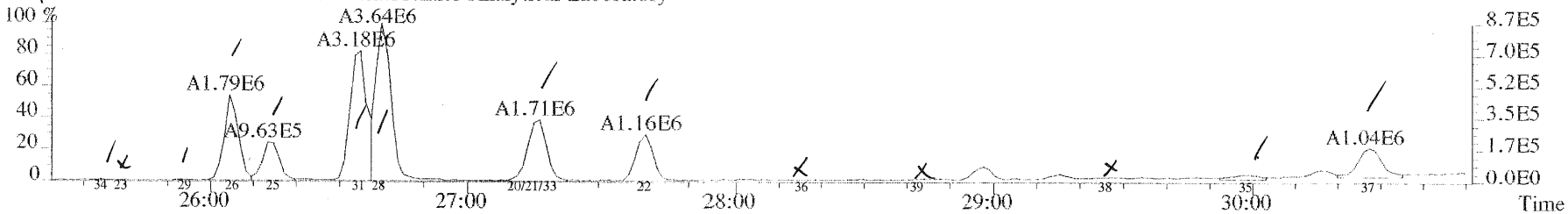
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



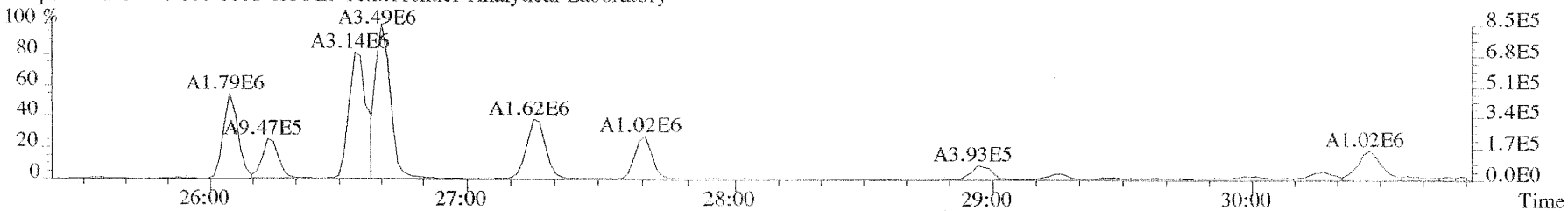
File:28OCT20Z #1-467 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



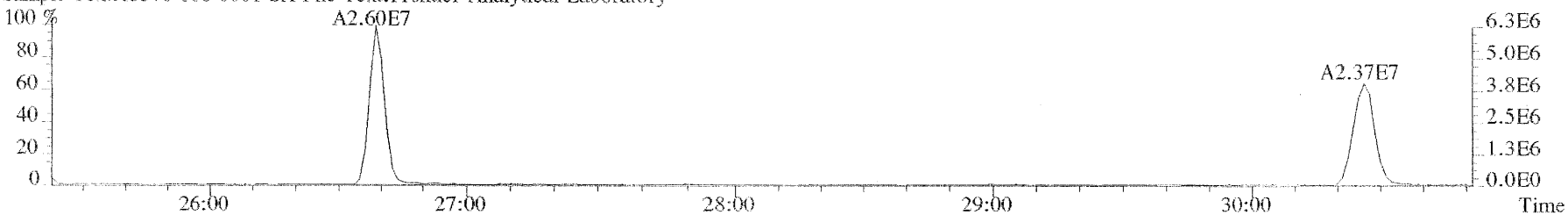
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



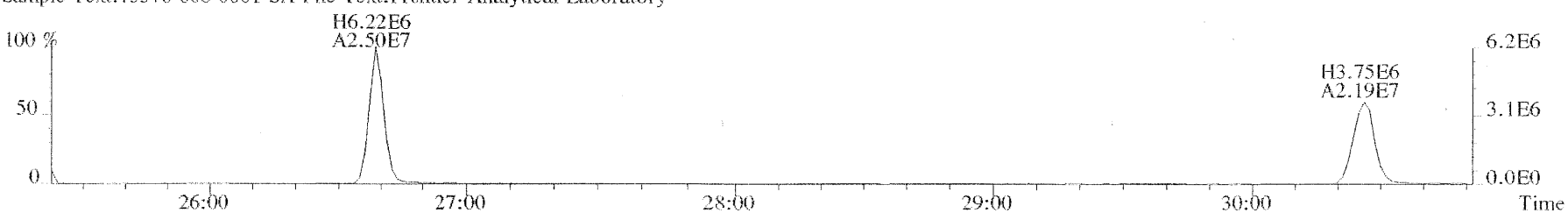
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



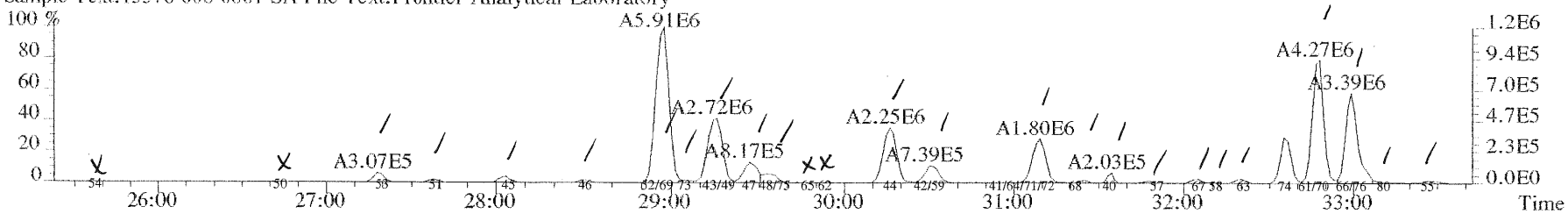
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



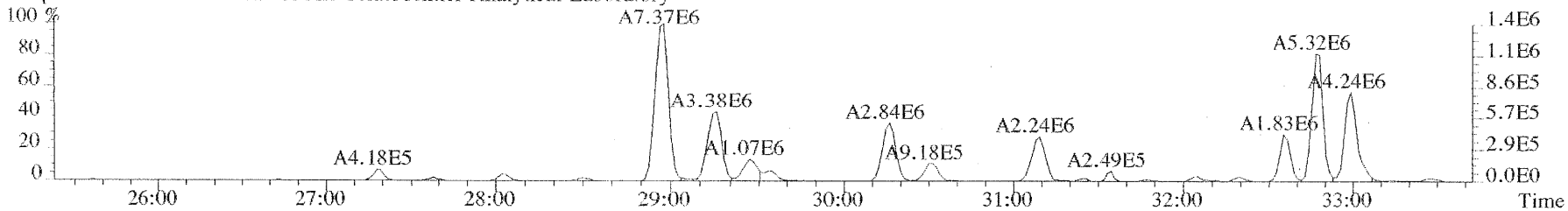
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



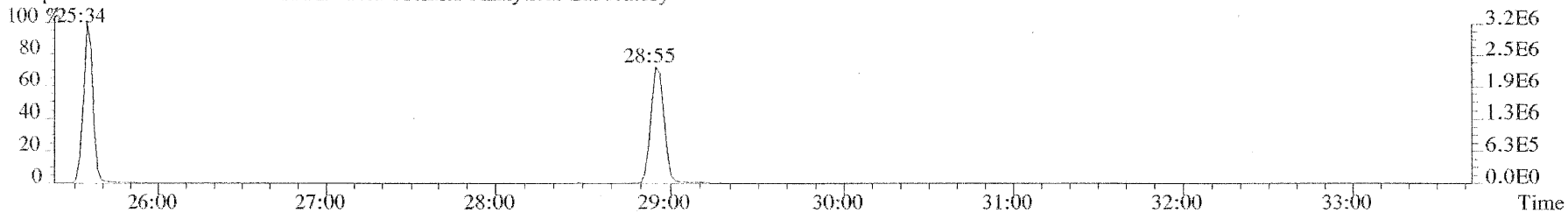
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



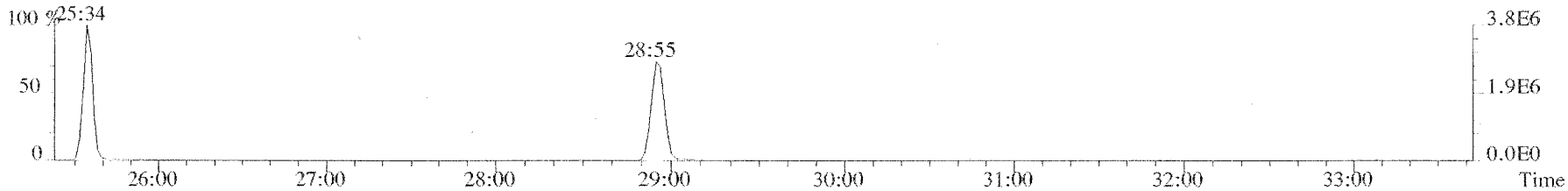
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



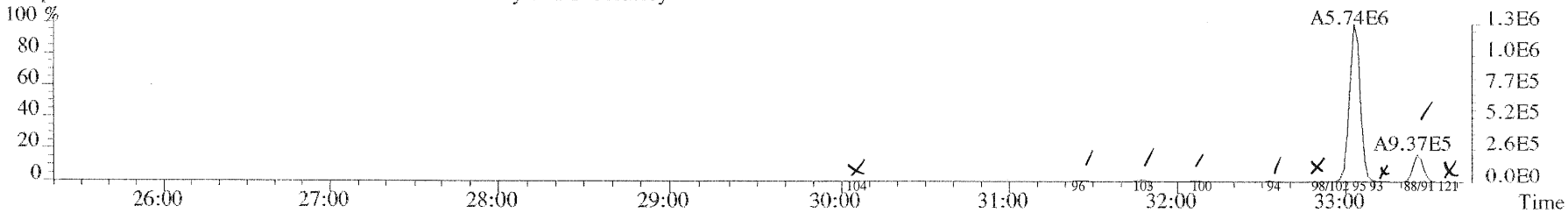
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



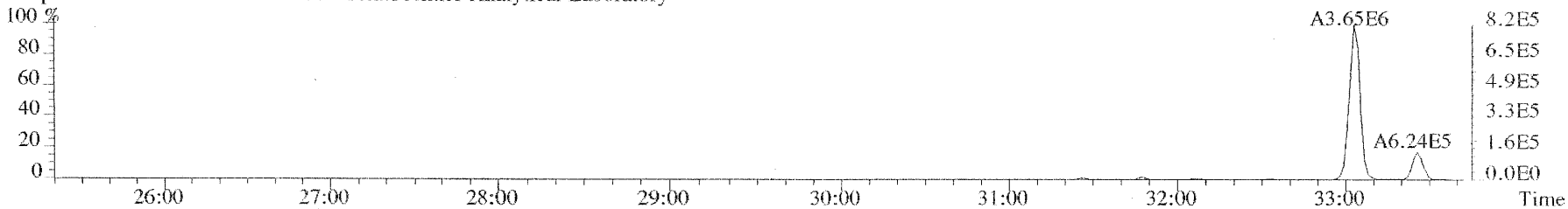
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 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:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 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:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
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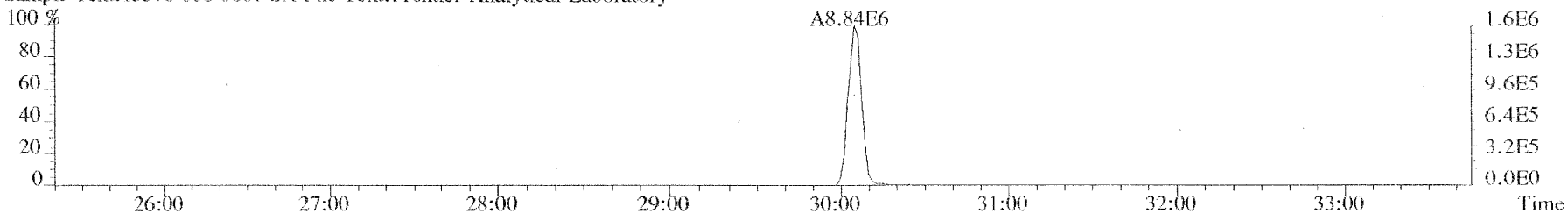
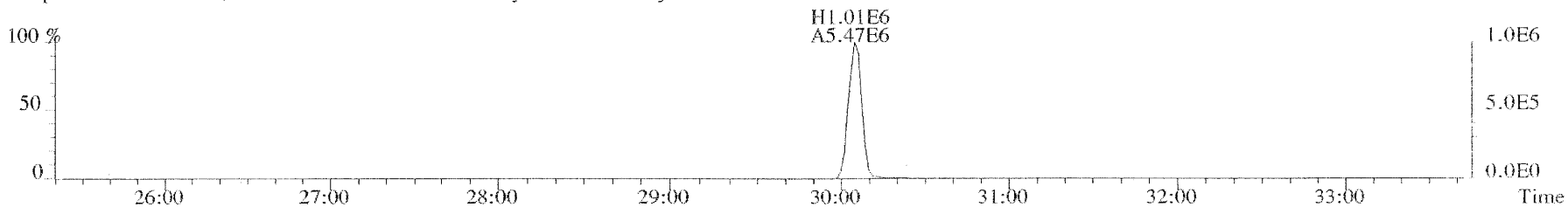
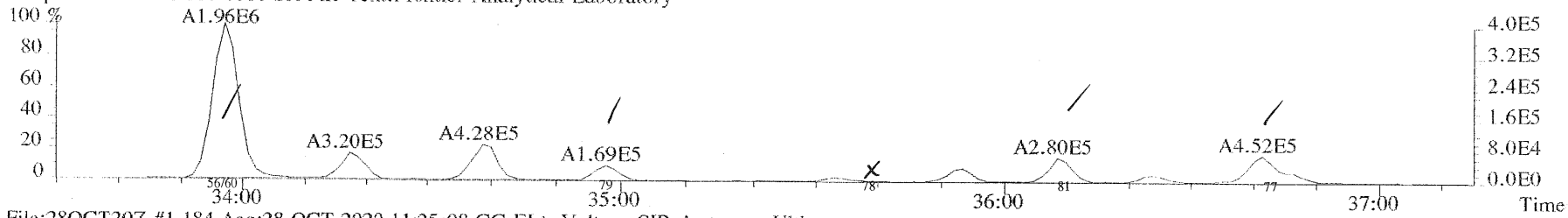
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



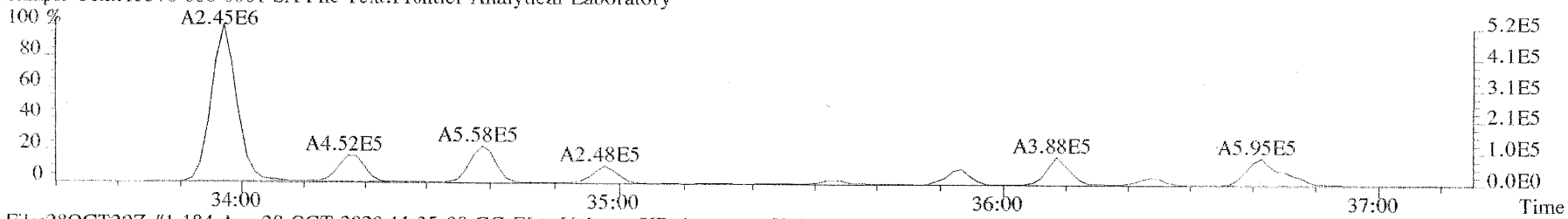
File:28OCT20Z #1-396 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



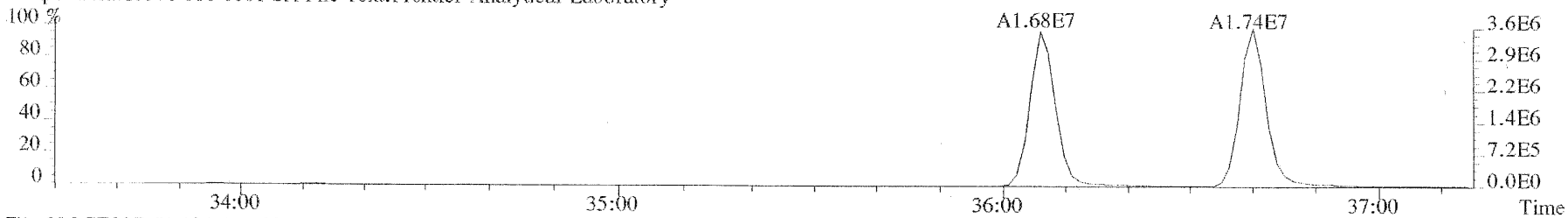
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



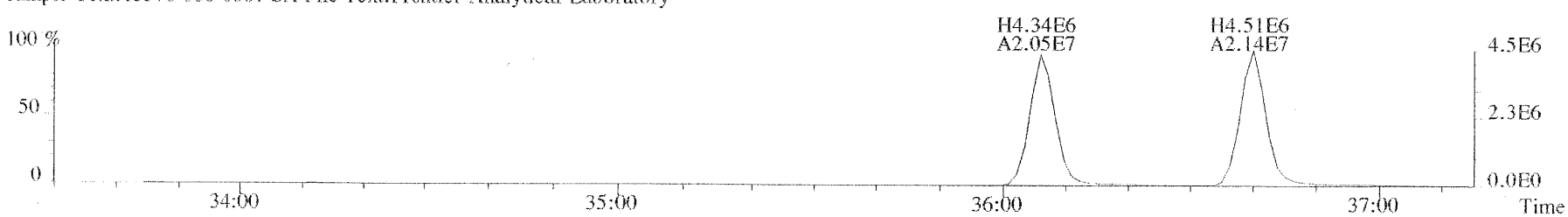
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



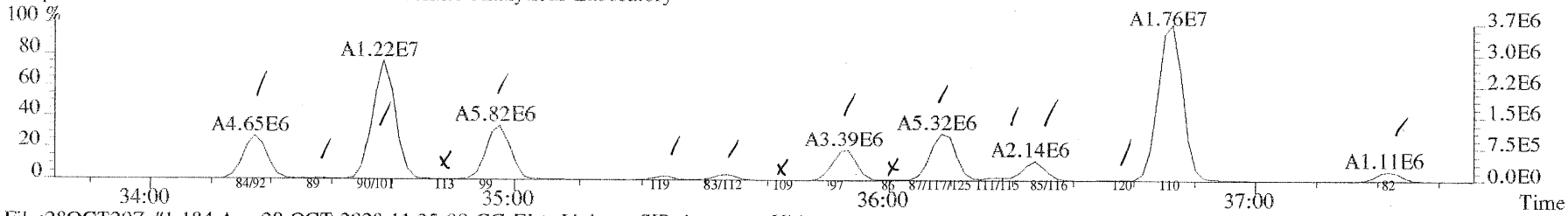
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



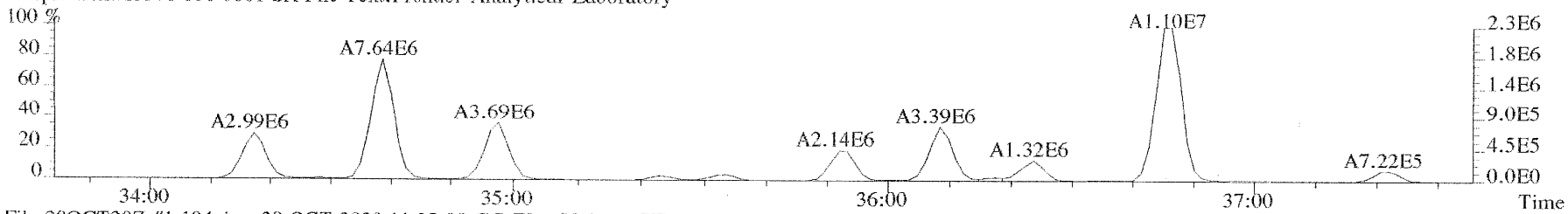
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



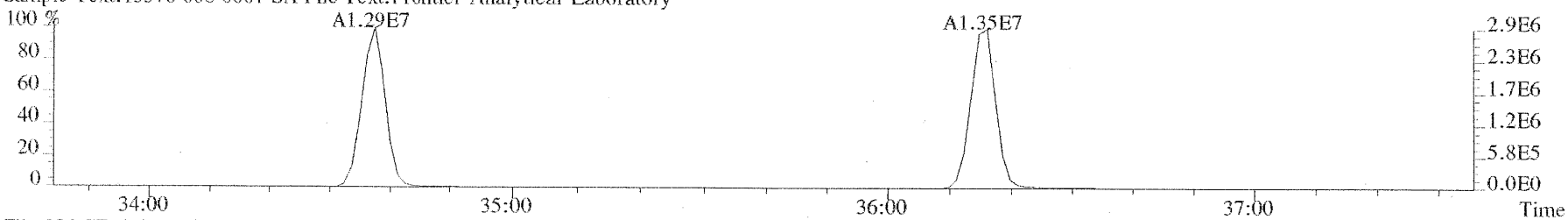
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



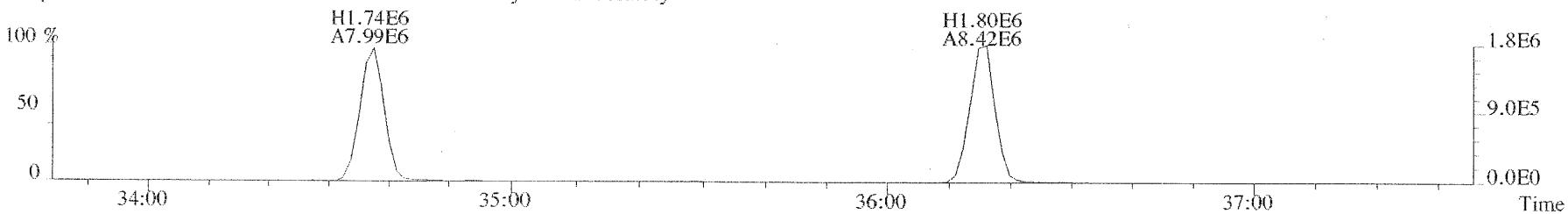
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



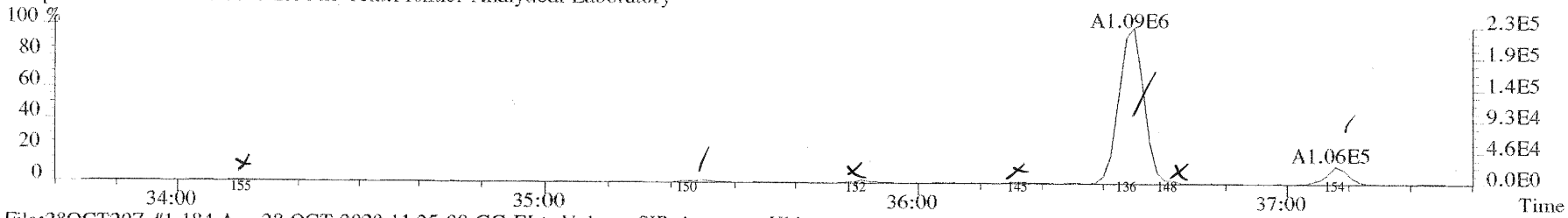
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



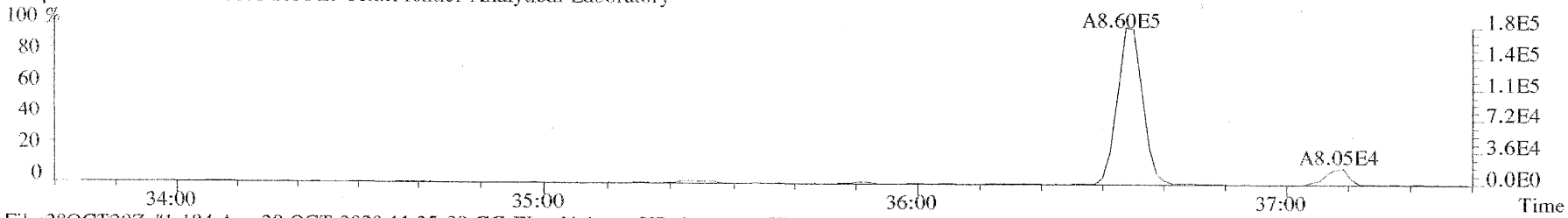
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



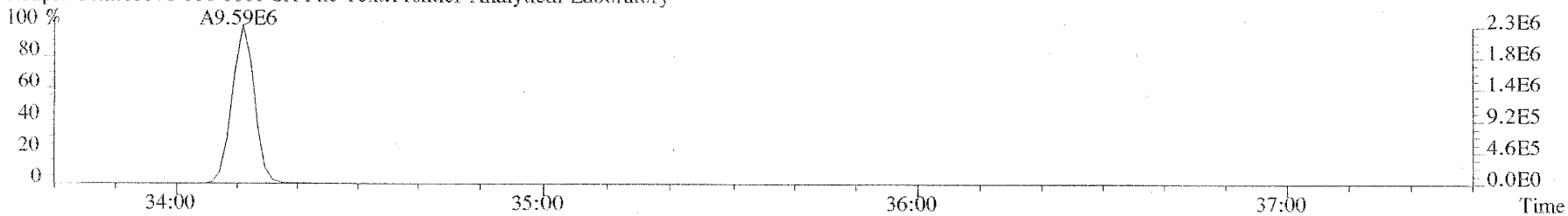
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



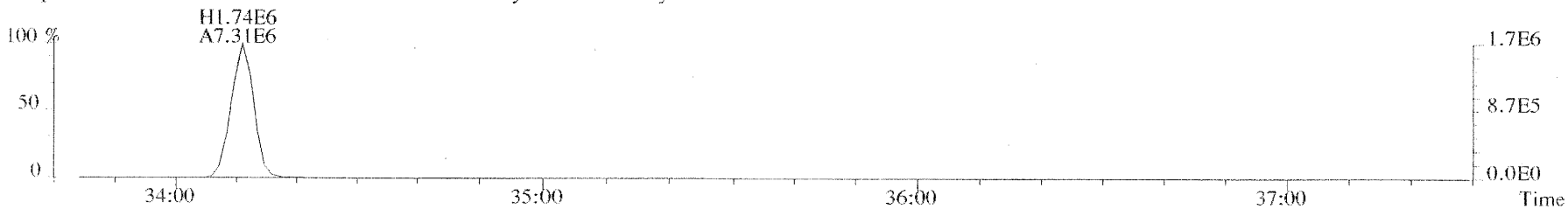
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



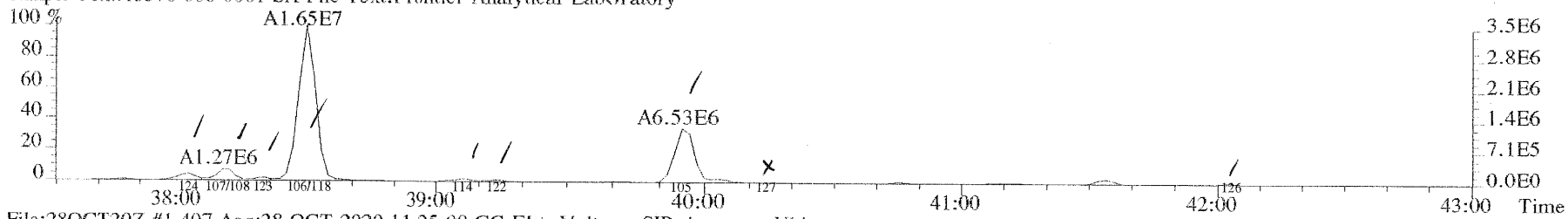
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



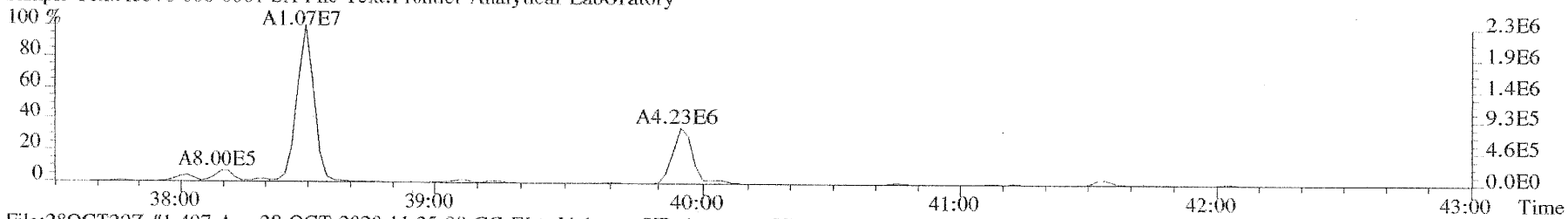
File:28OCT20Z #1-184 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



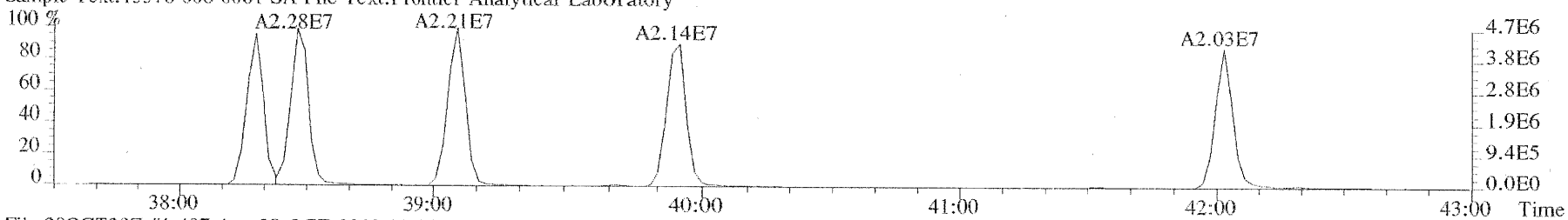
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



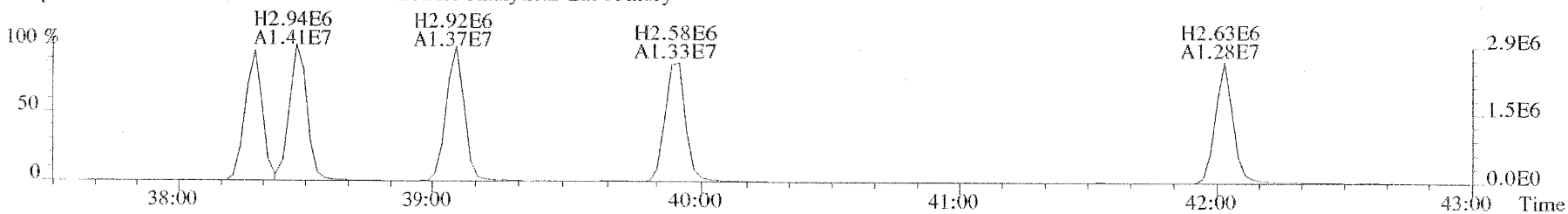
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



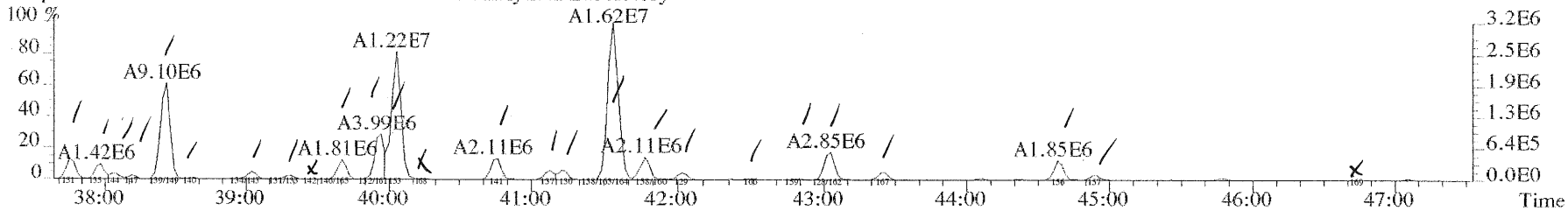
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



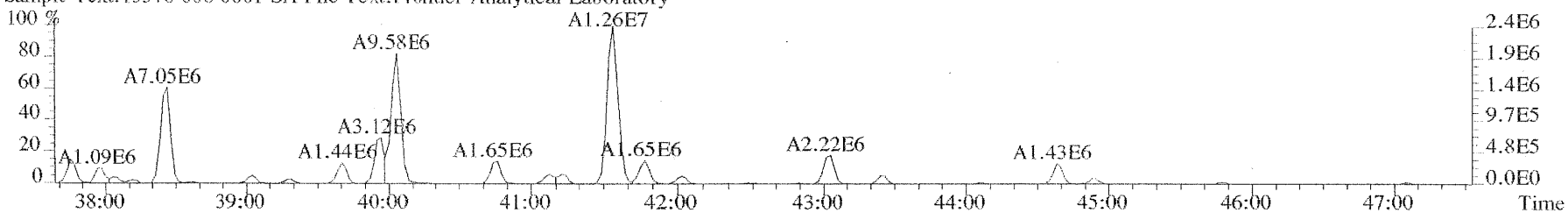
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



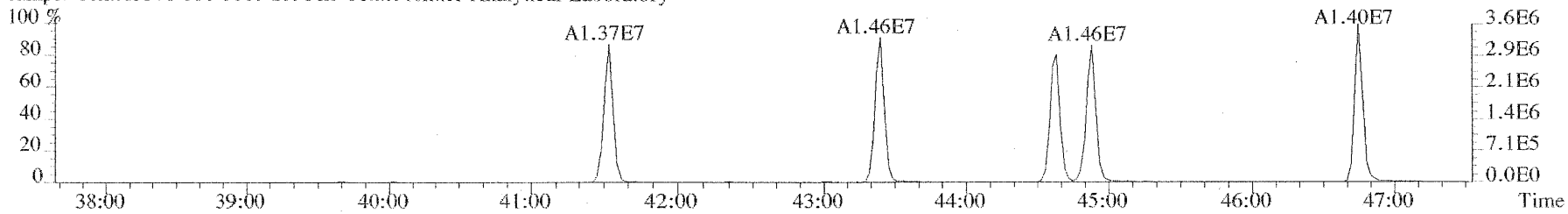
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



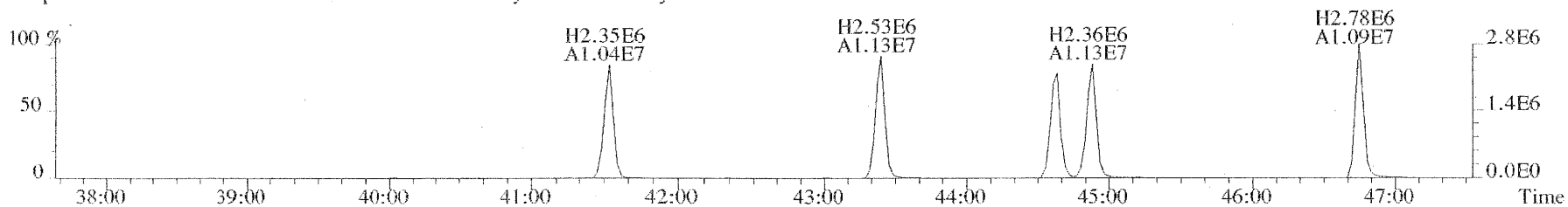
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



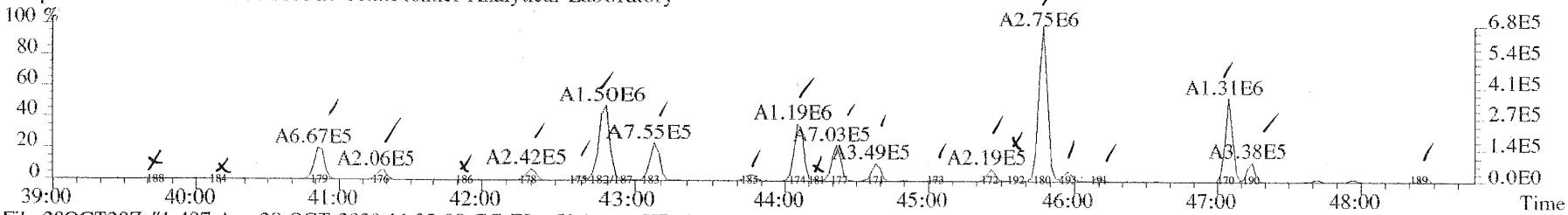
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



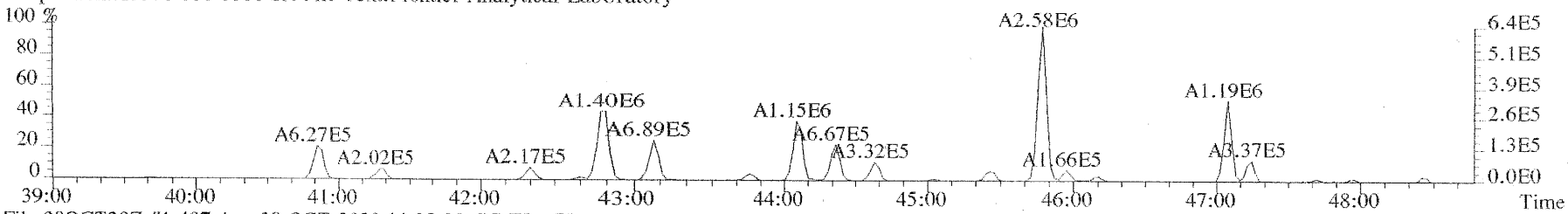
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



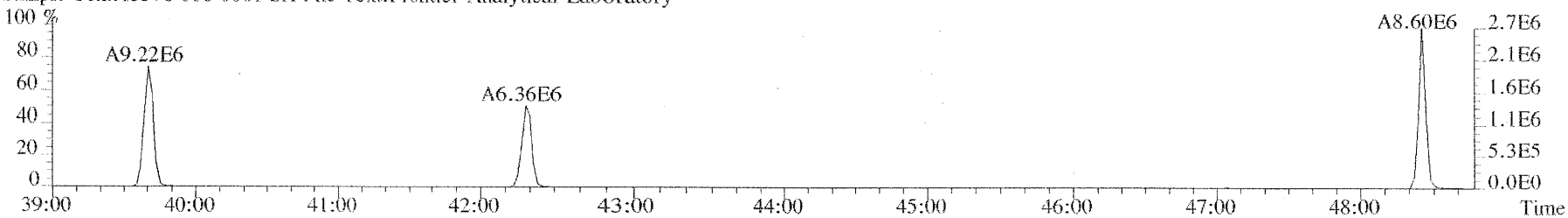
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



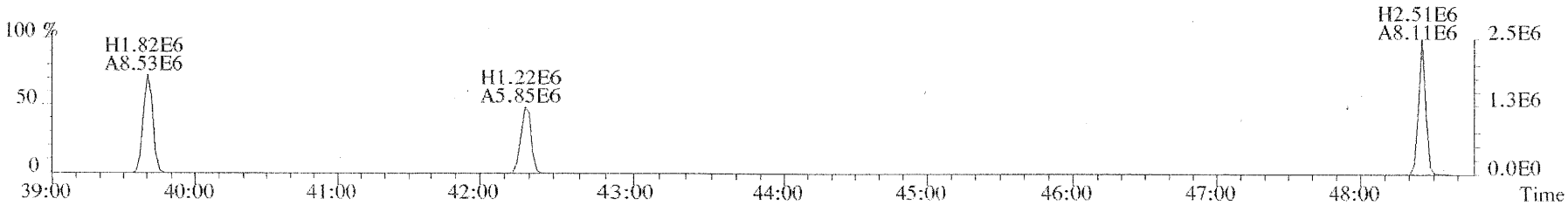
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



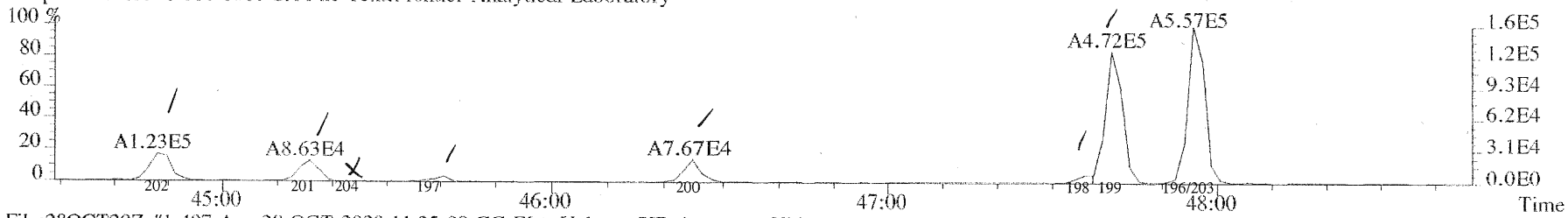
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



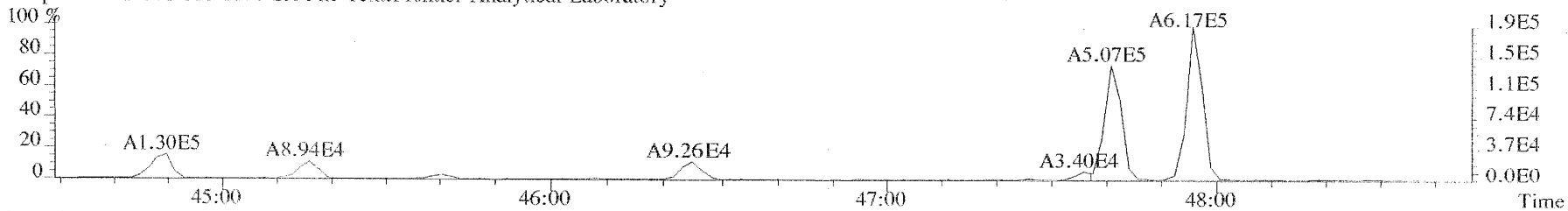
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



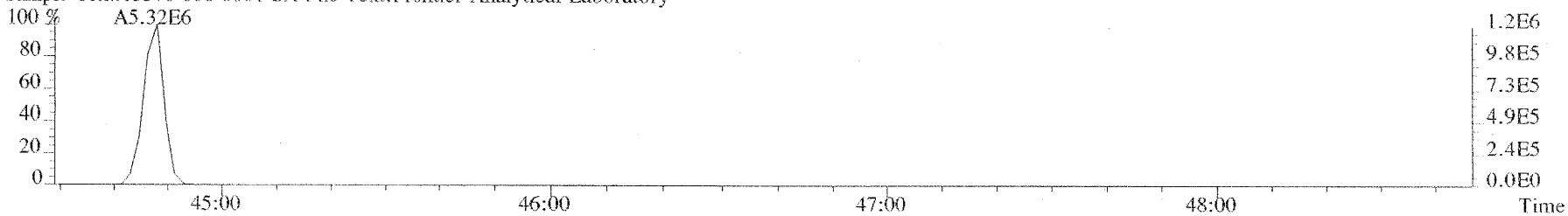
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



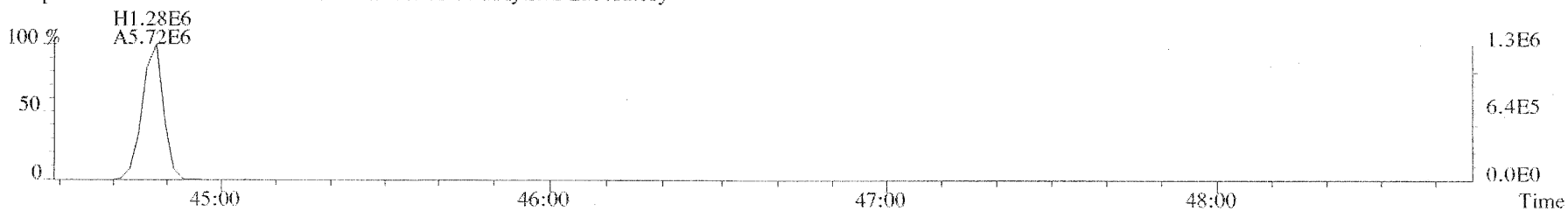
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



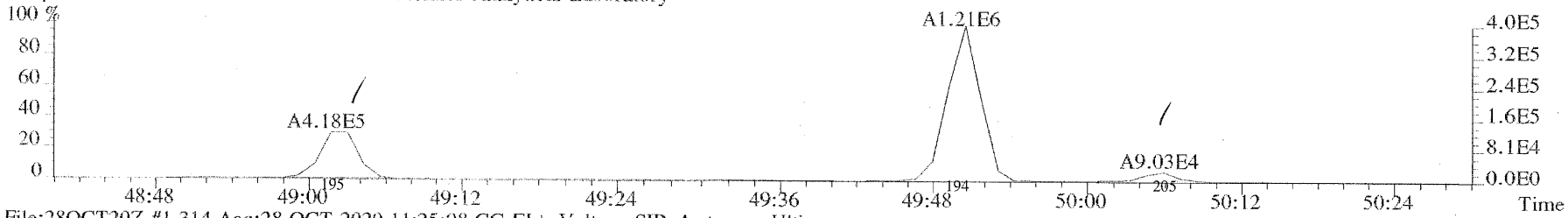
File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 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:13376-006-0001-SA File Text:Frontier Analytical Laboratory



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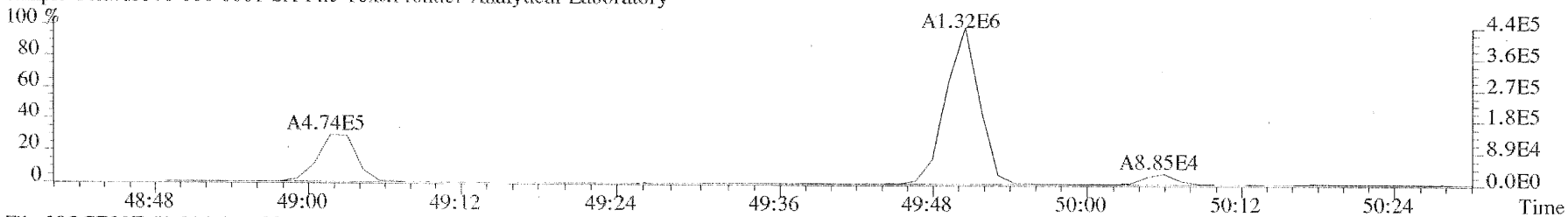
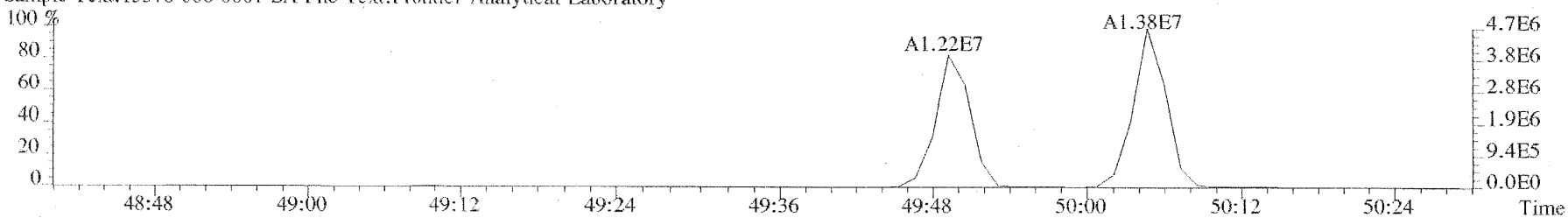
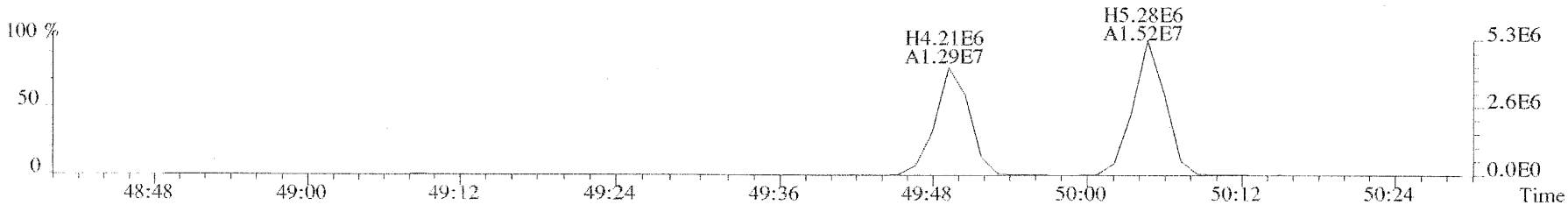
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



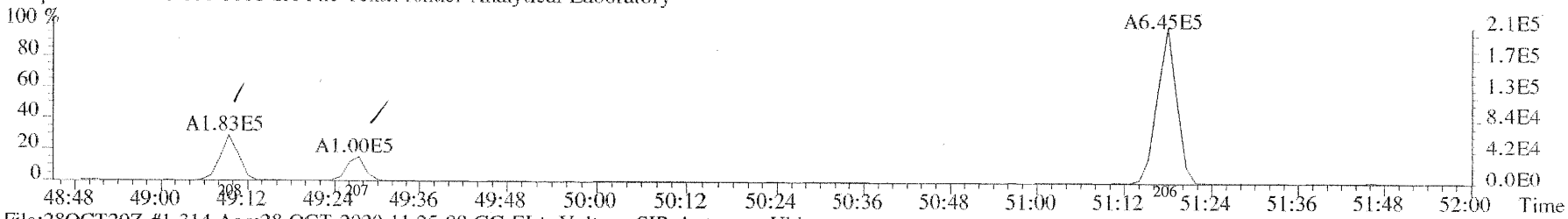
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



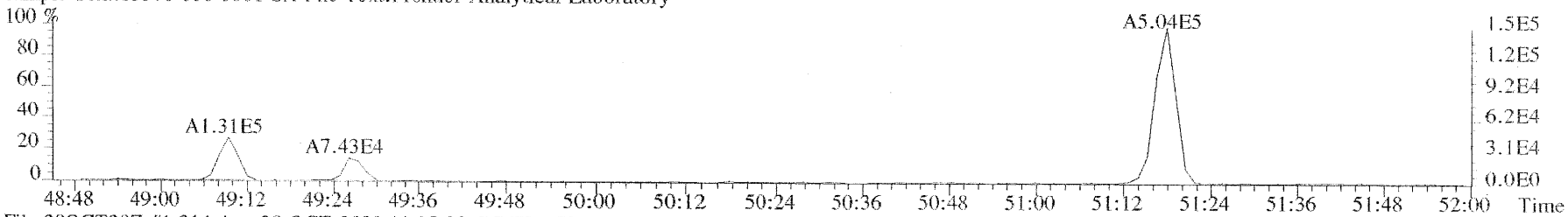
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



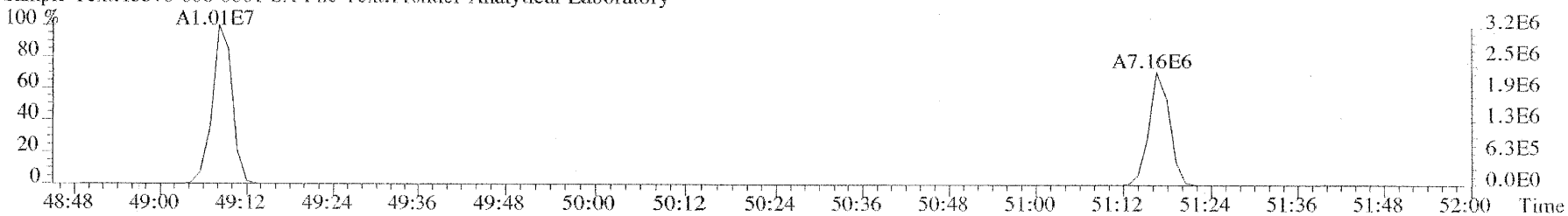
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



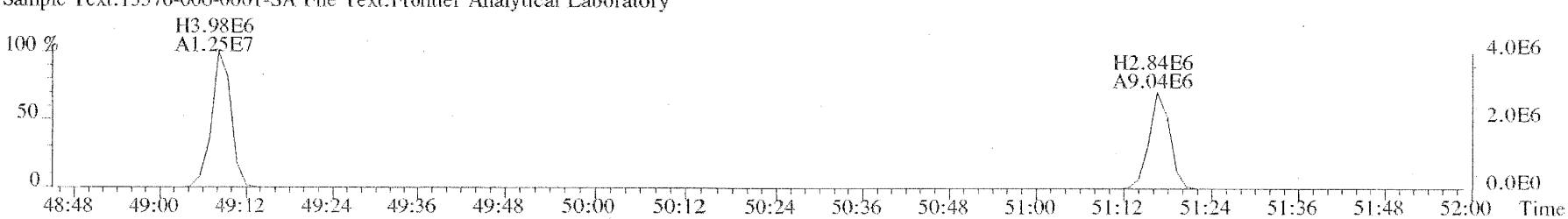
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



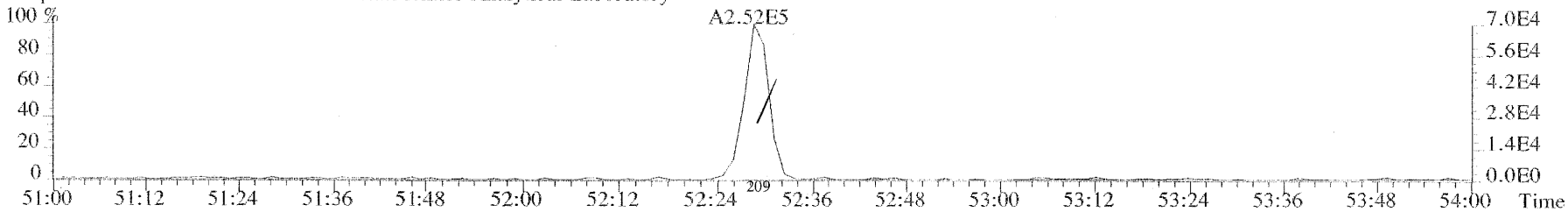
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



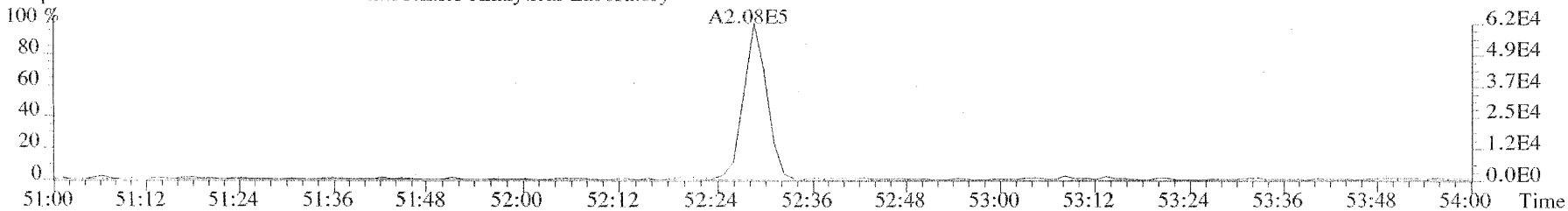
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



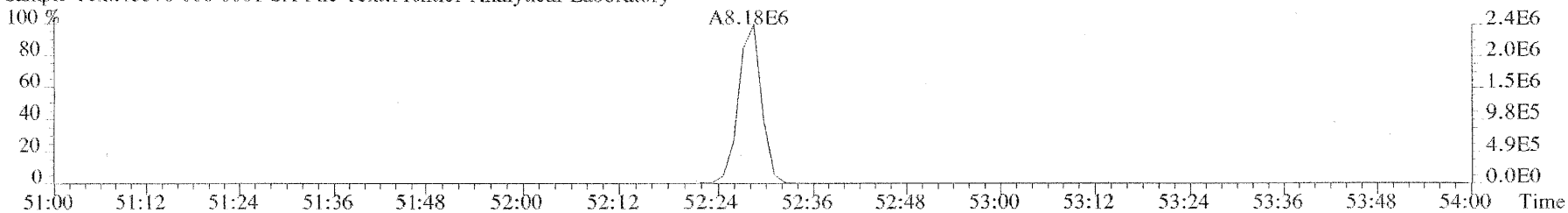
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



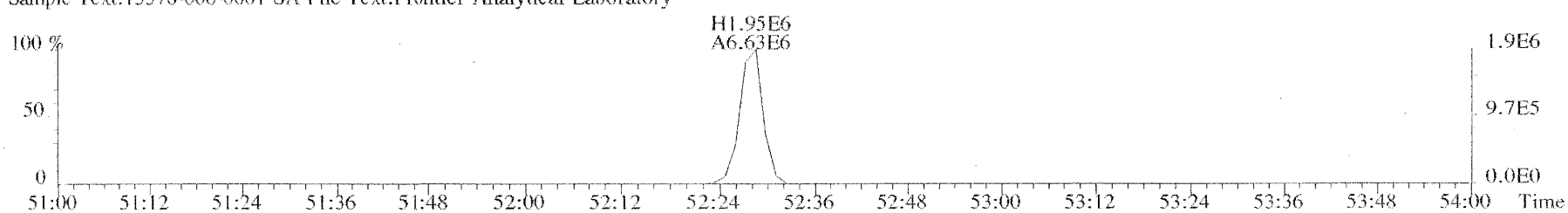
File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 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:13376-006-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 11:25:08 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:13376-006-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13376-007-0001-SA Filename: 28OCT20Z Sam:7 Acquired: 28-OCT-20 12:23:29 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR+AC-CB-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 GC Column: DB1MS Amount: 10.14

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	8.36e+05	3.16 y	14:32	1.34	16.2		-	-	*			
13C-PCB-1	3.81e+07	3.28 y	14:31	0.84	842					85.4	1.04e+07	3.11e+06
PCB-2	1.61e+05	3.03 y	16:44	1.37	3.15		-	-	*			
PCB-3	4.42e+05	3.24 y	16:57	1.35	9.02		-	-	*			
13C-PCB-3	3.57e+07	3.35 y	16:56	0.80	828					84.0	8.68e+06	2.53e+06
PCB-4	9.18e+05	1.45 y	18:12	1.00	27.2		-	-	*			
PCB-10	9.59e+04	1.46 y	18:15	1.38	1.53	J	-	-	*			
13C-PCB-4	3.35e+07	1.55 y	18:10	0.65	955					96.8	6.42e+06	4.08e+06
PCB-9	2.55e+05	1.40 y	19:52	1.36	4.10		-	-	*			
PCB-7	1.88e+05	1.43 y	19:55	1.34	3.09		-	-	*			
PCB-6	1.50e+06	1.43 y	20:29	1.31	25.1		-	-	*			
PCB-8	3.29e+06	1.43 y	20:51	1.27	57.0		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		789	4980	0.859			
PCB-14	*	* n	NotFnd	1.28	*		789	4980	0.872			
PCB-11	5.34e+05	1.55 y	23:03	1.21	9.65		-	-	*			
PCB-13	2.17e+05	1.43 y	23:22	1.22	3.91		-	-	*			
PCB-12	3.39e+05	1.60 y	23:23	1.23	6.04		-	-	*			
PCB-15	2.07e+06	1.49 y	23:43	1.12	32.2		-	-	*			
13C-PCB-15	5.65e+07	1.60 y	23:41	0.94	1120					113	9.03e+06	5.62e+06
PCB-19	2.43e+05	1.17 y	22:04	1.48	9.14		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		3100	800	0.899			
PCB-18	2.21e+06	1.11 y	23:37	1.50	82.0		-	-	*			
PCB-17	1.07e+06	1.10 y	23:47	1.60	37.2		-	-	*			
PCB-27	1.94e+05	1.00 y	24:17	2.07	5.24		-	-	*			
PCB-24	2.51e+05	1.06 y	24:18	2.08	6.75		-	-	*			
PCB-16	6.41e+05	1.07 y	24:47	1.72	20.8		-	-	*			
PCB-32	8.63e+05	1.15 y	24:49	1.82	26.5		-	-	*			
13C-PCB-19	1.76e+07	1.14 y	22:03	0.37	880					89.2	2.63e+06	2.32e+06
13C-PCB-9	5.31e+07	1.61 y	19:50	-	8.74							
PCB-34	*	* n	NotFnd	1.09	*		1010	1020	0.546			
PCB-23	*	* n	NotFnd	1.06	*		1010	1020	0.561			
PCB-29	*	* n	NotFnd	1.11	*		1010	1020	0.536			
PCB-26	4.20e+06	1.05 y	26:06	1.09	87.1		-	-	*			
PCB-25	2.02e+06	1.09 y	26:14	1.05	43.3		-	-	*			
PCB-31	6.47e+06	1.04 y	26:35	1.05	139		-	-	*			
PCB-28	7.82e+06	1.05 y	26:41	1.32	134		-	-	*			
PCB-20	3.49e+06	1.07 y	27:16	1.06	74.1		-	-	*		Co-elute PCB 21/33	
PCB-21	3.49e+06	1.07 y	27:16	1.06	74.1		-	-	*		Co-elute PCB 20/33	
PCB-33	3.49e+06	1.07 y	27:16	1.06	74.1		-	-	*		Co-elute PCB 20/21	
PCB-22	2.33e+06	1.14 y	27:40	1.15	45.7		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1010	1020	0.542			
PCB-39	*	* n	NotFnd	1.12	*		1010	1020	0.528			
PCB-38	*	* n	NotFnd	1.13	*		1010	1020	0.524			
PCB-35	2.17e+05	1.12 y	29:58	1.09	4.49		-	-	*			
PCB-37	2.16e+06	0.93 y	30:27	1.13	43.4		-	-	*			
13C-PCB-37	4.37e+07	1.07 y	30:26	1.64	1150					116	4.34e+06	4.10e+06

PCB-54	*	*	n	NotFnd	1.32	*		908	1460	0.650			
PCB-50	*	*	n	NotFnd	1.09	*		908	1460	0.789			
PCB-53	6.32e+05	0.80	y	27:19	1.03	23.1		-	-	*			
PCB-51	1.68e+05	0.77	y	27:38	1.05	6.09		-	-	*			
PCB-45	3.78e+05	0.85	y	28:03	0.92	15.5		-	-	*			
PCB-46	1.38e+05	0.73	y	28:31	0.87	5.98		-	-	*			
PCB-52	1.08e+07	0.80	y	28:58	1.13	362		-	-	*	Co-elute PCB 69		
PCB-69	1.08e+07	0.80	y	28:58	1.13	362		-	-	*	Co-elute PCB 52		
PCB-73	1.56e+05	0.86	y	29:04	1.31	4.52		-	-	*			
PCB-43	5.21e+06	0.82	y	29:15	0.99	199		-	-	*	Co-elute PCB 49		
PCB-49	5.21e+06	0.82	y	29:15	0.99	199		-	-	*	Co-elute PCB 43		
PCB-47	1.80e+06	0.79	y	29:28	1.07	63.5		-	-	*			
PCB-48	6.95e+05	0.80	y	29:34	1.26	20.9		-	-	*	Co-elute PCB 75		
PCB-75	6.95e+05	0.80	y	29:34	1.26	20.9		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.28	*		908	1460	0.669			
PCB-62	*	*	n	NotFnd	1.29	*		908	1460	0.666			
PCB-44	3.81e+06	0.82	y	30:16	0.86	168		-	-	*			
PCB-42	1.39e+06	0.84	y	30:31	1.10	47.7		-	-	*	Co-elute PCB 59		
PCB-59	1.39e+06	0.84	y	30:31	1.10	47.7		-	-	*	Co-elute PCB 42		
PCB-72	3.50e+06	0.82	y	31:09	1.22	109		-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.50e+06	0.82	y	31:09	1.22	109		-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.50e+06	0.82	y	31:09	1.22	109		-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.50e+06	0.82	y	31:09	1.22	109		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.38e+05	0.79	y	31:25	1.40	3.74		-	-	*			
PCB-40	4.01e+05	0.79	y	31:36	0.79	19.2		-	-	*			
PCB-57	1.17e+05	0.74	y	31:52	1.30	3.41		-	-	*			
PCB-67	3.74e+05	0.74	y	32:06	1.30	10.9		-	-	*			
PCB-58	4.80e+04	0.84	y	32:12	1.27	1.43	J	-	-	*			
PCB-63	2.63e+05	0.76	y	32:21	1.30	7.63		-	-	*			
PCB-74	3.04e+06	0.80	y	32:38	1.30	88.6		-	-	*			
PCB-61	8.00e+06	0.80	y	32:49	1.18	257		-	-	*	Co-elute PCB 70		
PCB-70	8.00e+06	0.80	y	32:49	1.18	257		-	-	*	Co-elute PCB 61		
PCB-76	6.77e+06	0.80	y	33:00	1.33	192		-	-	*	Co-elute PCB 66		
PCB-66	6.77e+06	0.80	y	33:00	1.33	192		-	-	*	Co-elute PCB 76		
PCB-80	6.61e+04	0.81	y	33:10	1.55	1.62	J	-	-	*			
PCB-55	2.56e+05	0.84	y	33:29	1.33	7.30		-	-	*			
13C-PCB-54	2.61e+07	0.83	y	25:35	1.14	984					99.8	3.07e+06	3.72e+06
PCB-104	*	*	n	NotFnd	1.27	*		360	424	0.551			
PCB-96	5.03e+04	1.46	y	31:27	1.20	2.97		-	-	*			
PCB-103	8.64e+04	1.61	y	31:51	1.03	5.95		-	-	*			
PCB-100	5.27e+04	1.72	y	32:10	1.03	3.60		-	-	*			
PCB-94	2.96e+04	1.54	y	32:35	0.85	2.45		-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*		360	424	0.822	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.85	*		360	424	0.822	Co-elute PCB 98		
PCB-95	6.87e+06	1.56	y	33:04	0.91	531		-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*		360	424	0.772			
PCB-88	1.19e+06	1.60	y	33:27	0.95	88.8		-	-	*	Co-elute PCB 91		
PCB-91	1.19e+06	1.60	y	33:27	0.95	88.8		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.16	*		360	424	0.608			
13C-PCB-104	1.40e+07	1.60	y	30:05	0.71	842					85.4	1.69e+06	1.06e+06
13C-PCB-28	5.58e+07	1.06	y	26:40	1.91	1260					128	6.78e+06	6.40e+06
13C-PCB-52	2.29e+07	0.82	y	28:56	-	7.82							

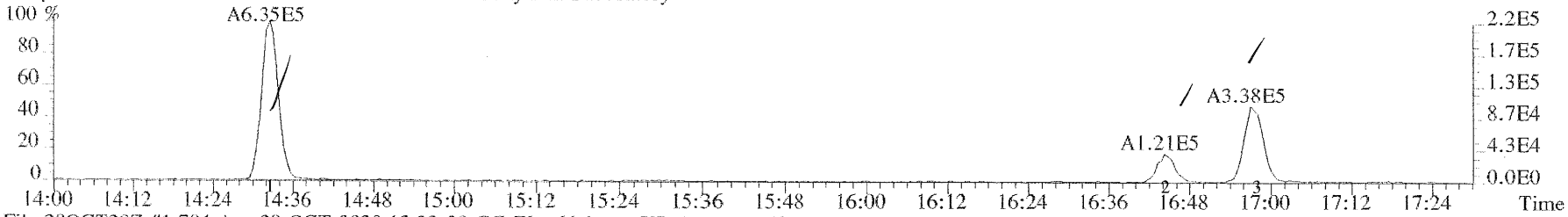
PCB-56	4.06e+06	0.79	y	33:58	1.14	91.5		-	-	*		Co-elute PCB 60
PCB-60	4.06e+06	0.79	y	33:58	1.14	91.5		-	-	*		Co-elute PCB 56
PCB-79	3.26e+05	0.71	y	34:59	1.20	7.01		-	-	*		
PCB-78	*	*	n	NotFnd	1.17	*		790	1280	0.528		
PCB-81	4.80e+05	0.75	y	36:10	1.24	10.2		-	-	*		
13C-PCB-81	3.74e+07	0.80	y	36:07	1.70	1130					114	3.67e+06 4.41e+06
PCB-77	9.09e+05	0.84	y	36:41	1.09	20.9		-	-	*		
13C-PCB-77	3.92e+07	0.80	y	36:40	1.77	1140					115	3.78e+06 4.70e+06
PCB-155	*	*	n	NotFnd	1.21	*		624	336	0.467		
PCB-150	2.87e+04	1.10	y	35:24	1.16	1.47	J	-	-	*		
PCB-152	*	*	n	NotFnd	1.16	*		624	336	0.485		
PCB-145	*	*	n	NotFnd	1.17	*		624	336	0.483		
PCB-136	1.41e+06	1.28	y	36:35	1.05	79.8		-	-	*		
PCB-148	*	*	n	NotFnd	0.96	*		624	336	0.588		
PCB-154	1.68e+05	1.36	y	37:09	1.00	10.0		-	-	*		
13C-PCB-155	1.66e+07	1.31	y	34:12	0.95	892					90.4	2.39e+06 1.81e+06
13C-PCB-111	2.32e+07	1.66	y	36:16	1.26	945					95.8	3.48e+06 2.11e+06
13C-PCB-101	1.93e+07	1.63	y	34:39	-	8.28						
PCB-84	5.76e+06	1.59	y	34:18	0.71	227		-	-	*		Co-elute PCB 92
PCB-92	5.76e+06	1.59	y	34:18	0.71	227		-	-	*		Co-elute PCB 84
PCB-89	1.22e+05	1.51	y	34:29	0.71	4.77		-	-	*		
PCB-90	1.46e+07	1.58	y	34:40	0.80	509		-	-	*		Co-elute PCB 101
PCB-101	1.46e+07	1.58	y	34:40	0.80	509		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.86	*		1220	1140	0.879		
PCB-99	7.33e+06	1.59	y	34:58	0.91	225		-	-	*		
PCB-119	5.15e+05	1.52	y	35:24	1.01	14.1		-	-	*		
PCB-83	7.61e+05	1.58	y	35:34	0.80	26.6		-	-	*		Co-elute PCB 112
PCB-112	7.61e+05	1.58	y	35:34	0.80	26.6		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.99	*		1220	1140	0.761		
PCB-97	4.06e+06	1.57	y	35:53	0.68	167		-	-	*		
PCB-86	*	*	n	NotFnd	0.64	*		1220	1140	1.17		
PCB-125	6.34e+06	1.58	y	36:10	0.92	192		-	-	*		Co-elute PCB 87/117
PCB-87	6.34e+06	1.58	y	36:10	0.92	192		-	-	*		Co-elute PCB 125/117
PCB-117	6.34e+06	1.58	y	36:10	0.92	192		-	-	*		Co-elute PCB 125/87
PCB-111	3.40e+05	1.70	y	36:18	1.01	9.39		-	-	*		Co-elute PCB 115
PCB-115	3.40e+05	1.70	y	36:18	1.01	9.39		-	-	*		Co-elute PCB 111
PCB-85	2.62e+06	1.62	y	36:24	0.88	83.0		-	-	*		Co-elute PCB 116
PCB-116	2.62e+06	1.62	y	36:24	0.88	83.0		-	-	*		Co-elute PCB 85
PCB-120	7.30e+04	1.63	y	36:39	1.04	1.95	J	-	-	*		
PCB-110	2.12e+07	1.61	y	36:46	0.98	601		-	-	*		
PCB-82	1.32e+06	1.65	y	37:22	0.61	60.0		-	-	*		
PCB-124	9.45e+05	1.52	y	38:01	1.10	24.0		-	-	*		
PCB-108	1.68e+06	1.61	y	38:11	1.13	41.5		-	-	*		Co-elute PCB 107
PCB-107	1.68e+06	1.61	y	38:11	1.13	41.5		-	-	*		Co-elute PCB 108
PCB-123	3.86e+05	1.49	y	38:19	1.01	11.1		-	-	*		
13C-PCB-123	3.40e+07	1.57	y	38:18	1.33	1130					115	4.75e+06 2.99e+06
PCB-118	2.04e+07	1.54	y	38:29	1.08	508		-	-	*		Co-elute PCB 106
PCB-106	2.04e+07	1.54	y	38:29	1.08	508		-	-	*		Co-elute PCB 118
13C-PCB-118	3.67e+07	1.63	y	38:29	1.43	1130					115	4.69e+06 2.82e+06
PCB-114	4.29e+05	1.49	y	39:07	1.13	10.5		-	-	*		
13C-PCB-114	3.58e+07	1.60	y	39:05	1.39	1140					116	4.81e+06 2.99e+06
PCB-122	2.93e+05	1.41	y	39:14	1.12	7.30		-	-	*		
PCB-105	7.85e+06	1.54	y	39:57	1.17	188		-	-	*		
13C-PCB-105	3.52e+07	1.61	y	39:55	1.36	1140					116	4.93e+06 3.02e+06

PCB-127	*	*	n	NotFnd	1.08	*	1660	1590	0.956			
PCB-126	1.41e+05	1.61	y	42:03	1.12	3.67	-	-	*			
13C-PCB-126	3.39e+07	1.62	y	42:02	1.30	1160				117	4.70e+06	2.91e+06
PCB-151	2.71e+06	1.29	y	37:46	0.99	106	-	-	*			
PCB-135	1.82e+06	1.25	y	37:58	0.96	73.7	-	-	*			
PCB-144	7.09e+05	1.26	y	38:05	1.03	26.6	-	-	*			
PCB-147	4.44e+05	1.25	y	38:11	1.08	15.9	-	-	*			
PCB-139	1.20e+07	1.25	y	38:26	1.07	437	-	-	*	Co-elute PCB 149		
PCB-149	1.20e+07	1.25	y	38:26	1.07	437	-	-	*	Co-elute PCB 139		
PCB-140	1.39e+05	1.15	y	38:37	1.08	4.99	-	-	*			
PCB-143	8.72e+05	1.29	y	39:02	0.88	38.6	-	-	*	Co-elute PCB 134		
PCB-134	8.72e+05	1.29	y	39:02	0.88	38.6	-	-	*	Co-elute PCB 143		
PCB-131	4.92e+05	1.29	y	39:19	0.87	21.9	-	-	*	Co-elute PCB 133		
PCB-133	4.92e+05	1.29	y	39:19	0.87	21.9	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.91	*	1060	940	0.899			
PCB-165	2.58e+06	1.23	y	39:40	1.15	86.9	-	-	*	Co-elute PCB 146		
PCB-146	2.58e+06	1.23	y	39:40	1.15	86.9	-	-	*	Co-elute PCB 165		
PCB-161	5.84e+06	1.26	y	39:57	1.09	208	-	-	*	Co-elute PCB 132		
PCB-132	5.84e+06	1.26	y	39:57	1.09	208	-	-	*	Co-elute PCB 161		
PCB-153	1.55e+07	1.29	y	40:03	1.19	506	-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*	1060	940	0.646			
PCB-141	2.66e+06	1.33	y	40:46	0.98	105	-	-	*			
PCB-137	1.10e+06	1.31	y	41:07	0.93	45.9	-	-	*			
PCB-130	1.12e+06	1.27	y	41:14	0.93	46.8	-	-	*			
PCB-138	2.10e+07	1.25	y	41:34	1.17	697	-	-	*	Co-elute PCB 163/164		
PCB-163	2.10e+07	1.25	y	41:34	1.17	697	-	-	*	Co-elute PCB 138/164		
PCB-164	2.10e+07	1.25	y	41:34	1.17	697	-	-	*	Co-elute PCB 138/163		
PCB-158	2.69e+06	1.20	y	41:47	1.32	78.9	-	-	*	Co-elute PCB 160		
PCB-160	2.69e+06	1.20	y	41:47	1.32	78.9	-	-	*	Co-elute PCB 158		
PCB-129	8.27e+05	1.18	y	42:02	0.86	37.3	-	-	*			
PCB-166	1.10e+05	1.35	y	42:30	1.26	3.39	-	-	*			
PCB-159	1.56e+05	1.34	y	42:49	1.35	4.47	-	-	*			
PCB-128	3.70e+06	1.25	y	43:02	1.09	131	-	-	*	Co-elute PCB 162		
PCB-162	3.70e+06	1.25	y	43:02	1.09	131	-	-	*	Co-elute PCB 128		
PCB-167	1.01e+06	1.34	y	43:26	1.22	30.9	-	-	*			
13C-PCB-167	2.63e+07	1.30	y	43:24	1.11	1050				107	3.61e+06	2.70e+06
PCB-156	2.33e+06	1.26	y	44:38	1.26	71.5	-	-	*			
13C-PCB-156	2.55e+07	1.30	y	44:38	1.16	972				98.6	3.25e+06	2.48e+06
PCB-157	5.88e+05	1.31	y	44:54	1.25	18.2	-	-	*			
13C-PCB-157	2.55e+07	1.28	y	44:53	1.13	995				101	3.23e+06	2.46e+06
PCB-169	*	*	n	NotFnd	1.20	*	1060	940	0.625			
13C-PCB-169	2.44e+07	1.31	y	46:45	1.06	1020				103	3.73e+06	2.86e+06

PCB-188	*	*	n	NotFnd	1.20	*	590	636	0.677			
13C-PCB-188	1.72e+07	1.07	y	39:40	0.88	868				88.0	1.92e+06	1.80e+06
PCB-184	*	*	n	NotFnd	1.30	*	590	636	0.568			
PCB-179	9.94e+05	1.11	y	40:52	1.24	49.0	-	-	*			
PCB-176	3.16e+05	0.99	y	41:19	1.19	16.2	-	-	*			
PCB-186	*	*	n	NotFnd	1.23	*	590	636	0.598			
PCB-178	4.01e+05	1.07	y	42:20	0.88	27.8	-	-	*			
PCB-175	9.21e+04	1.19	y	42:39	0.92	6.10	-	-	*			
PCB-187	2.51e+06	1.09	y	42:49	0.99	154	-	-	*		Co-elute PCB 182	
PCB-182	2.51e+06	1.09	y	42:49	0.99	154	-	-	*		Co-elute PCB 187	
PCB-183	1.20e+06	1.10	y	43:07	0.99	74.5	-	-	*			
PCB-185	2.14e+05	1.12	y	43:45	0.92	14.2	-	-	*			
PCB-174	1.88e+06	1.08	y	44:07	0.91	126	-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*	590	636	0.775			
PCB-177	1.09e+06	1.07	y	44:22	0.85	78.2	-	-	*			
PCB-171	5.70e+05	1.10	y	44:38	0.92	38.0	-	-	*			
PCB-173	5.30e+04	1.06	y	45:03	0.81	4.02	-	-	*			
PCB-172	3.12e+05	1.06	y	45:26	0.85	22.5	-	-	*			
PCB-192	*	*	n	NotFnd	1.10	*	590	636	0.669			
PCB-180	4.28e+06	1.10	y	45:47	0.87	301	-	-	*			
PCB-193	3.02e+05	1.10	y	45:57	1.18	15.7	-	-	*			
PCB-191	1.13e+05	1.20	y	46:10	1.12	6.19	-	-	*			
PCB-170	1.82e+06	1.11	y	47:04	0.85	131	-	-	*			
PCB-190	5.27e+05	1.09	y	47:14	1.12	28.8	-	-	*			
PCB-189	1.13e+05	1.10	y	48:27	1.19	6.24	-	-	*			
13C-PCB-189	1.50e+07	1.09	y	48:25	0.84	790				80.1	2.42e+06	2.23e+06
PCB-202	1.88e+05	0.80	y	44:49	1.10	15.6	-	-	*			
PCB-201	1.29e+05	0.98	y	45:16	1.17	10.1	-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*	496	420	0.729			
PCB-197	3.40e+04	0.90	y	45:39	1.20	2.59	-	-	*			
PCB-200	1.11e+05	0.95	y	46:25	1.15	8.83	-	-	*			
PCB-198	3.50e+04	0.79	y	47:36	0.84	3.79	-	-	*			
PCB-199	6.21e+05	0.92	y	47:41	0.90	63.0	-	-	*			
PCB-203	7.27e+05	0.95	y	47:57	0.95	69.9	-	-	*		Co-elute PCB 196	
PCB-196	7.27e+05	0.95	y	47:57	0.95	69.9	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.08e+07	0.92	y	44:48	0.61	783				79.4	1.23e+06	1.34e+06
13C-PCB-178	1.28e+07	1.10	y	42:20	0.67	845				85.7	1.49e+06	1.38e+06
13C-PCB-138	2.23e+07	1.28	y	41:32	-	8.48						
PCB-195	5.89e+05	0.85	y	49:03	0.80	25.9	-	-	*			
PCB-194	1.66e+06	0.88	y	49:50	0.91	64.6	-	-	*			
PCB-205	1.53e+05	0.81	y	50:06	1.08	4.96	-	-	*			
13C-PCB-205	2.80e+07	0.89	y	50:06	1.25	975				98.8	3.94e+06	4.37e+06
PCB-208	2.12e+05	1.30	y	49:09	1.11	8.85	-	-	*			
13C-PCB-208	2.14e+07	0.81	y	49:08	1.00	925				93.8	2.76e+06	3.48e+06
PCB-207	9.22e+04	1.31	y	49:27	1.25	3.94	-	-	*			
PCB-206	5.95e+05	1.28	y	51:18	1.13	33.0	-	-	*			
13C-PCB-206	1.57e+07	0.81	y	51:16	0.78	869				88.1	2.15e+06	2.69e+06
PCB-209	1.30e+06	1.18	y	52:30	1.26	70.9	-	-	*			
13C-PCB-209	1.44e+07	1.23	y	52:28	0.78	802				81.4	2.52e+06	2.02e+06
13C-PCB-194	2.28e+07	0.92	y	49:49	-	7.96						

Analyst: _____ Date: 11/3/21

File:28OCT20Z #1-784 Acq:28-OCT-2020 12:23:29 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:13376-007-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-784 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
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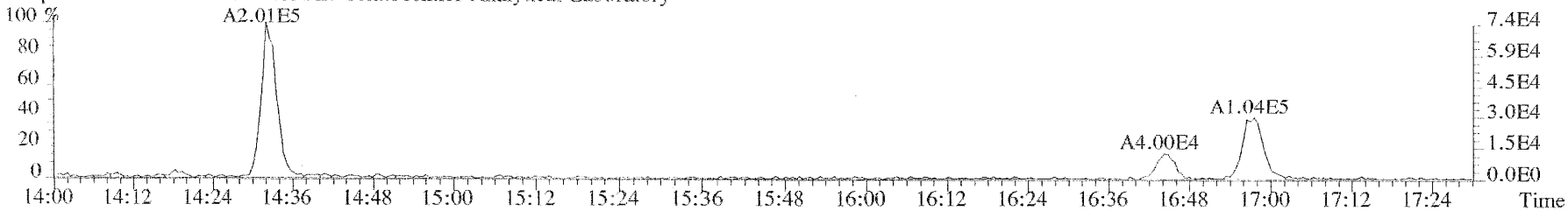

File:28OCT20Z #1-784 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
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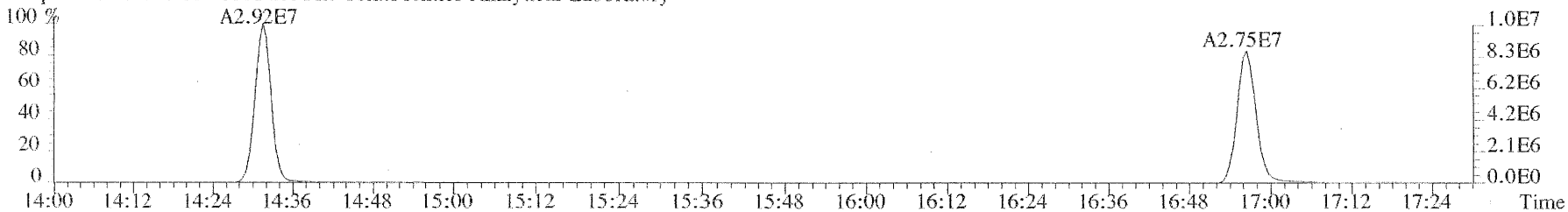

File:28OCT20Z #1-784 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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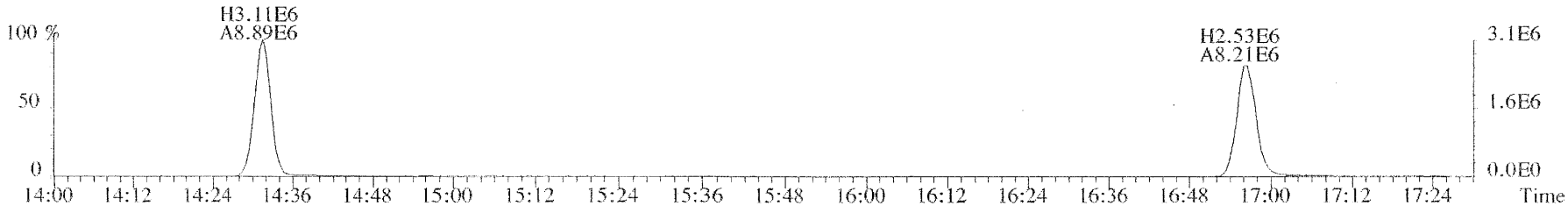
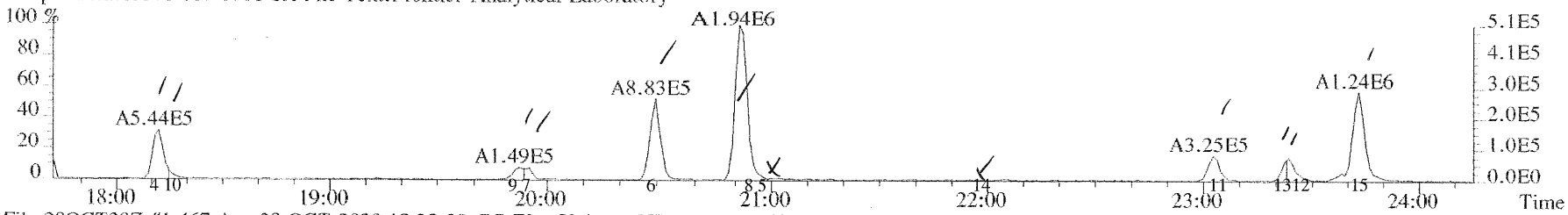


File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
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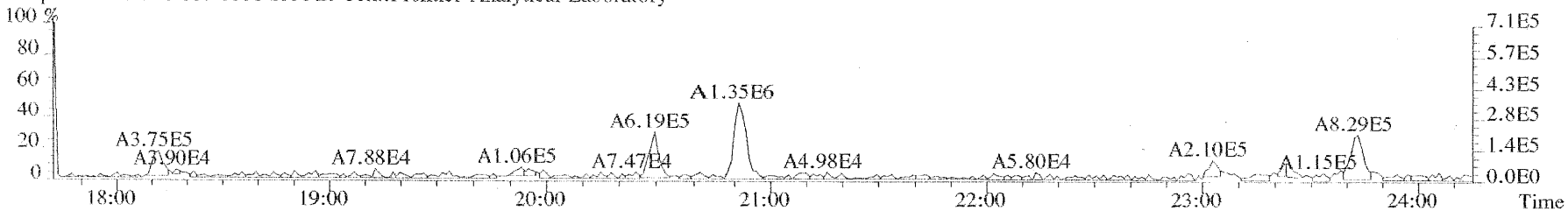
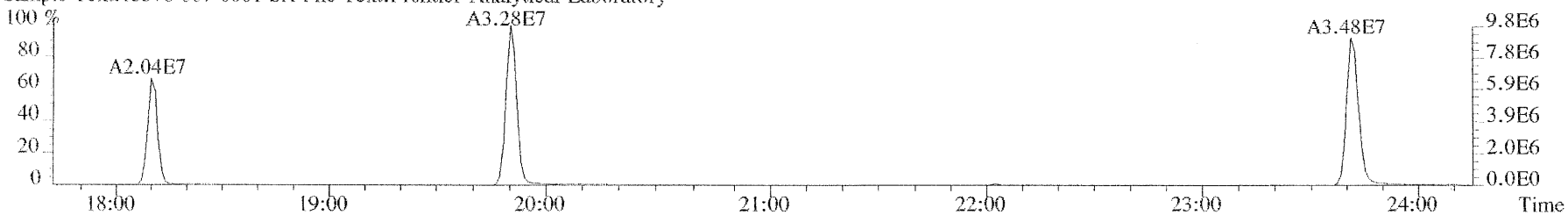
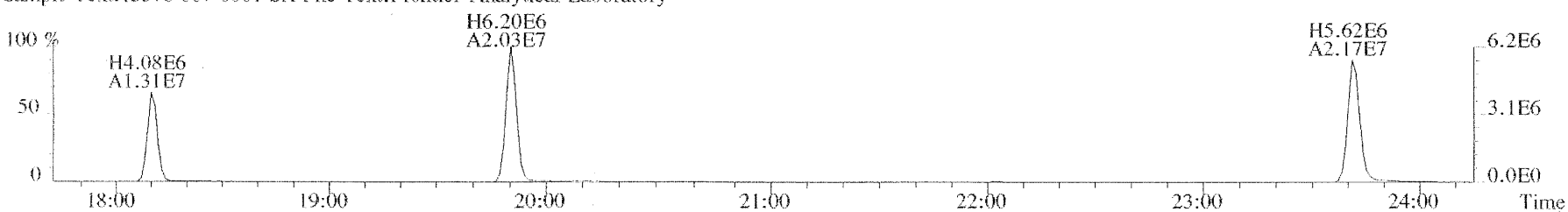
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



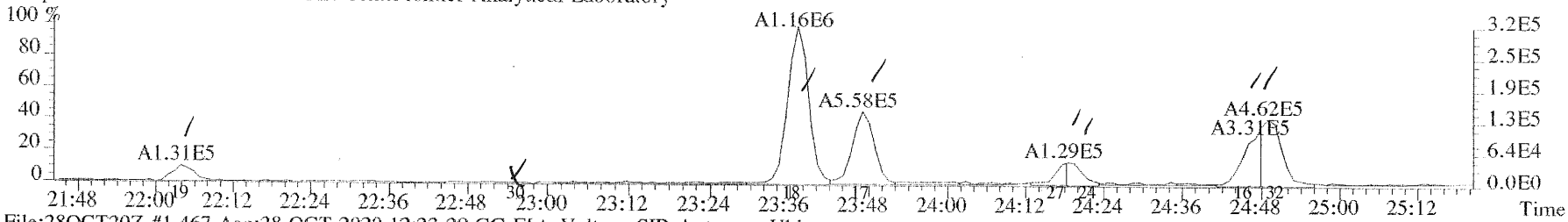
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



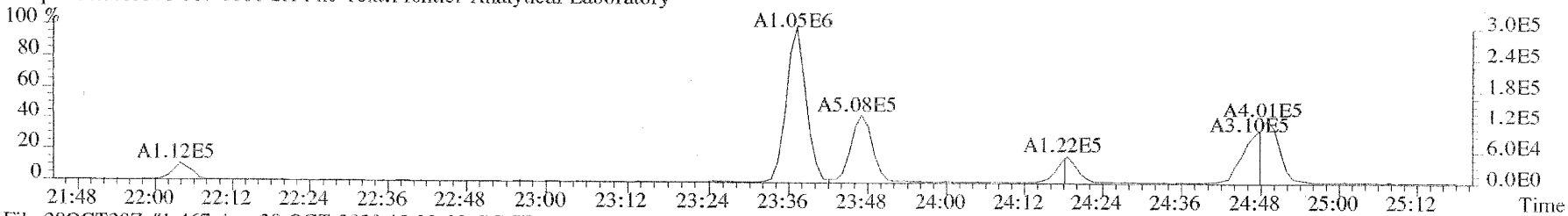
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



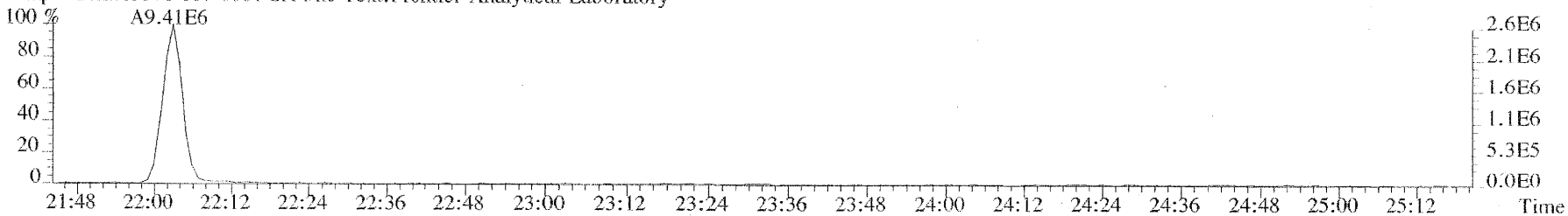
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



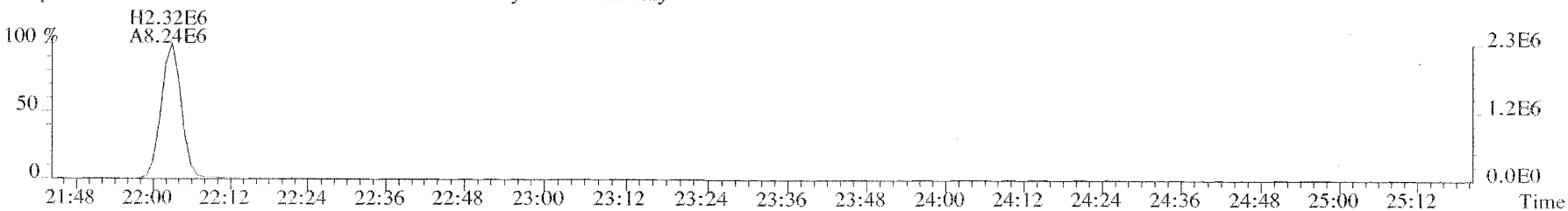
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



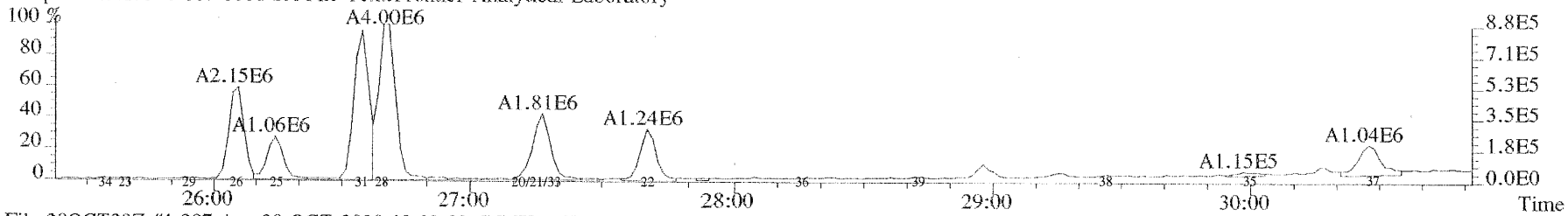
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



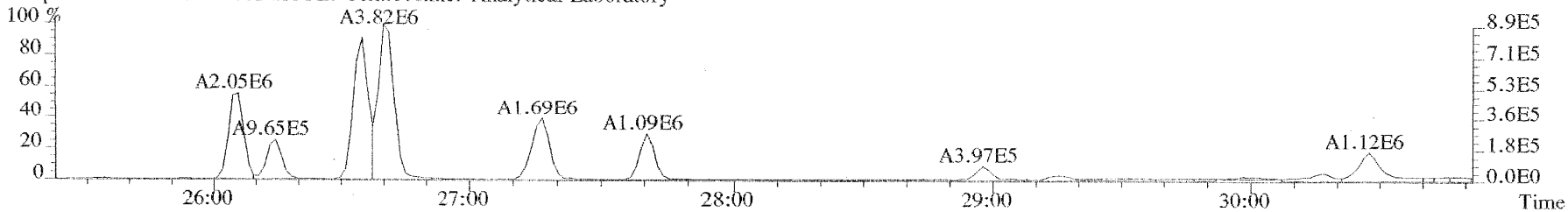
File:28OCT20Z #1-467 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



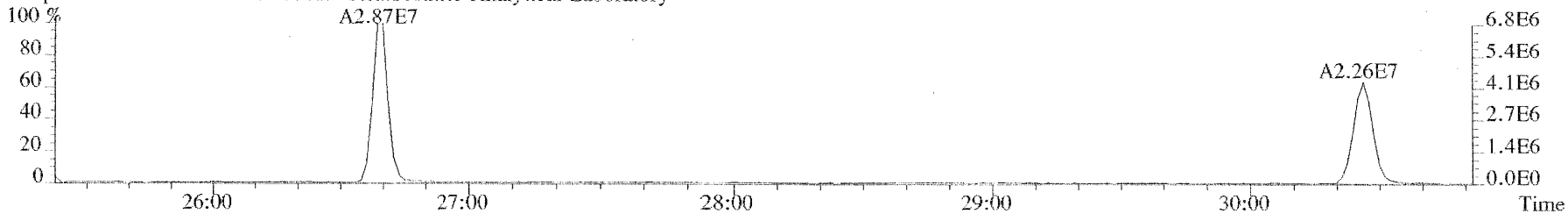
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



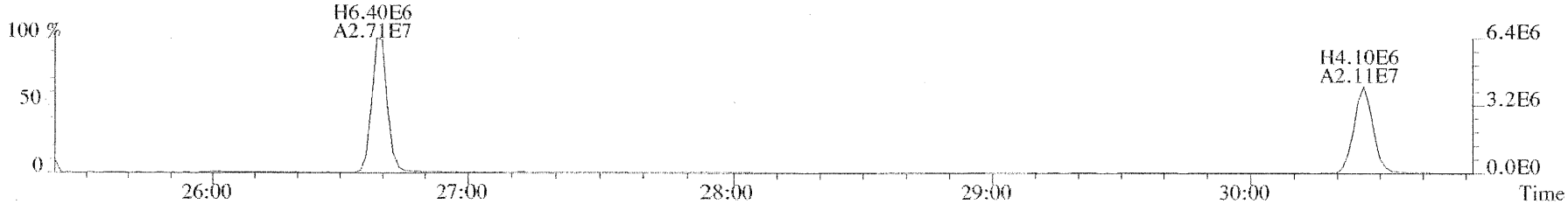
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



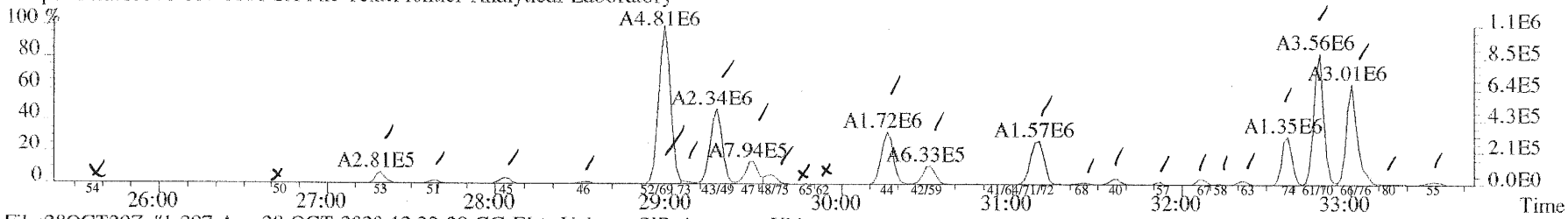
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



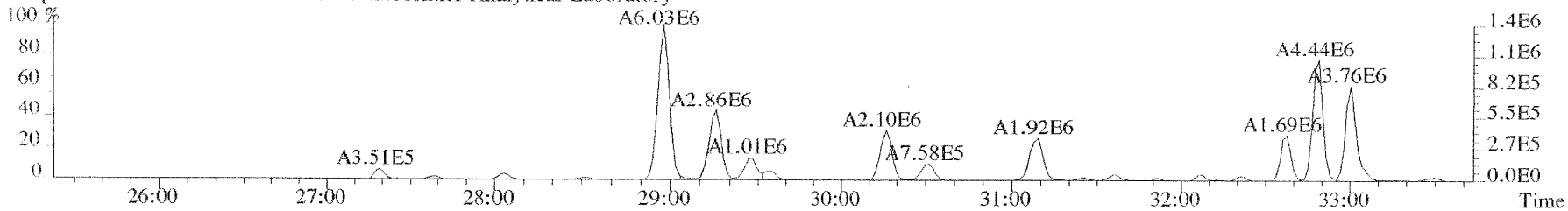
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



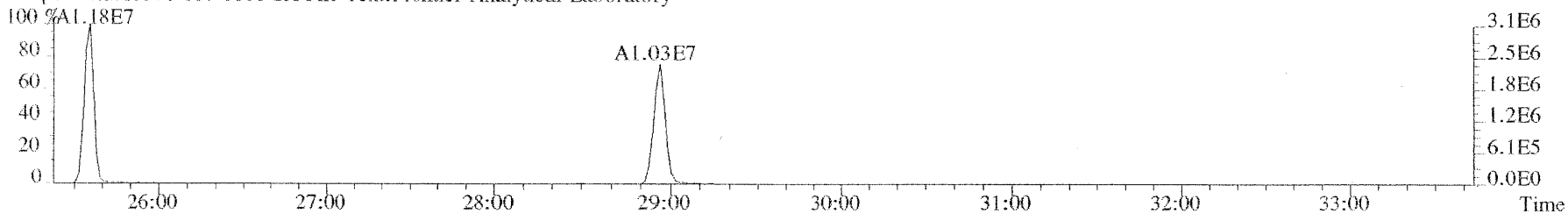
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



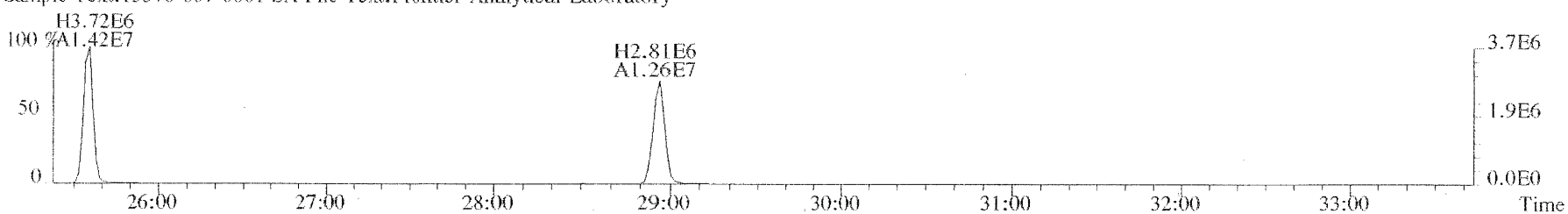
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



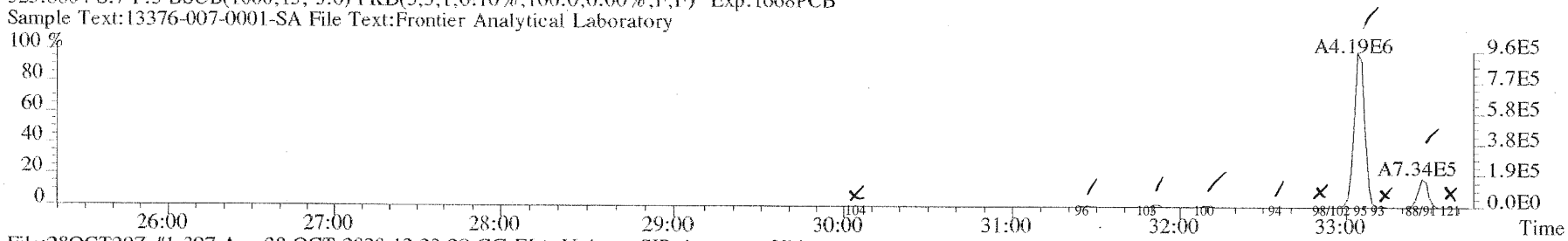
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



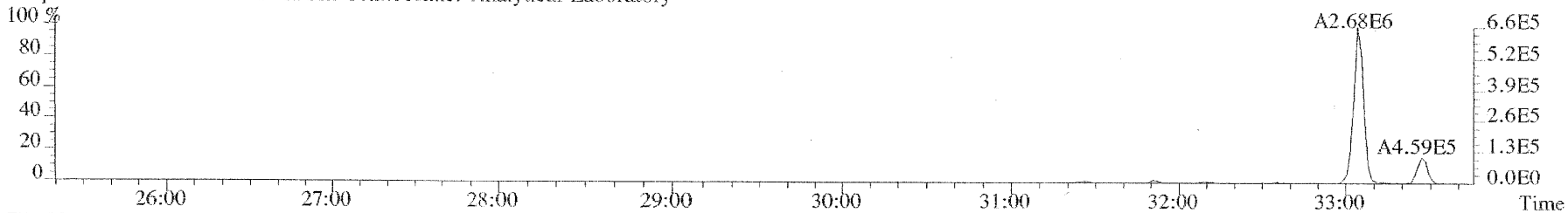
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



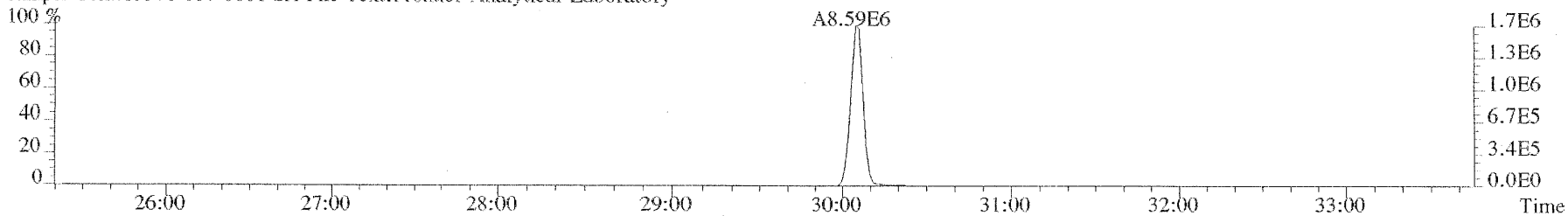
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



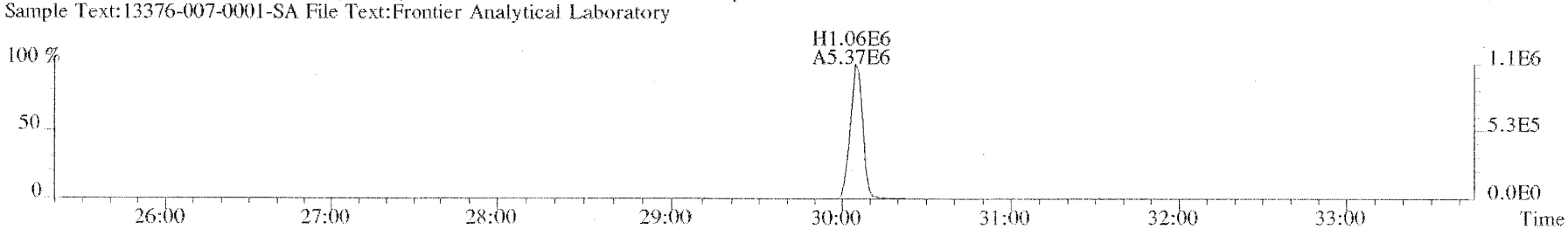
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



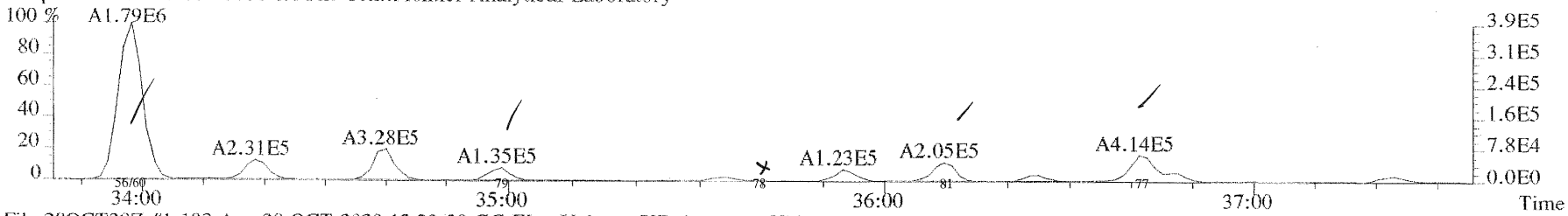
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



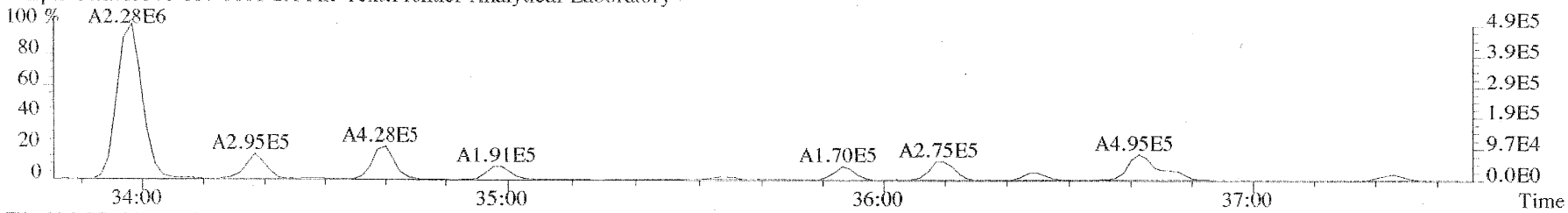
File:28OCT20Z #1-397 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



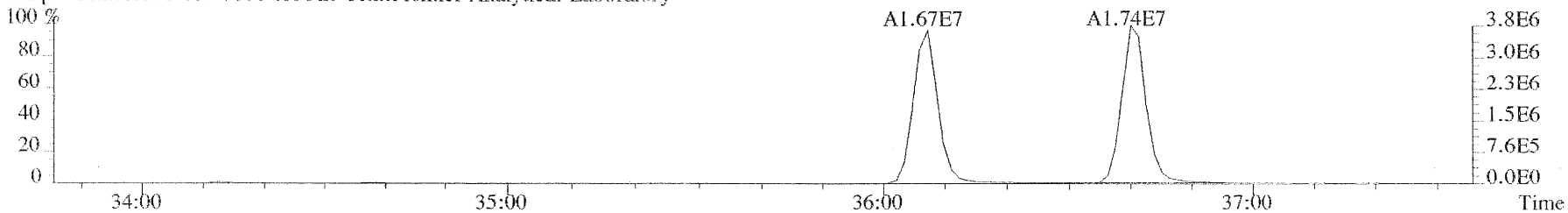
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



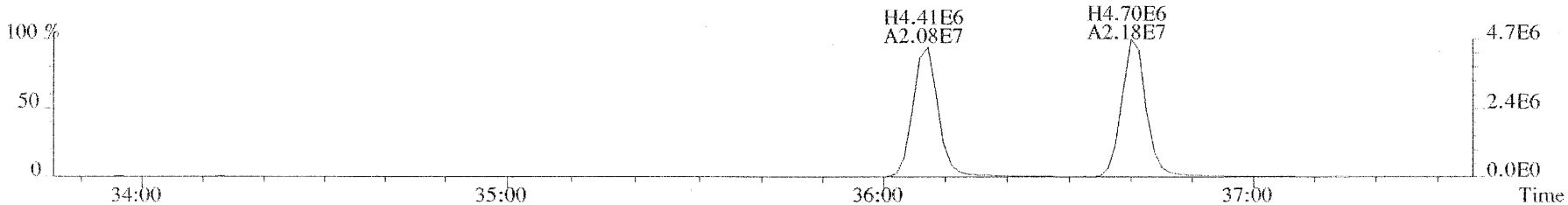
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



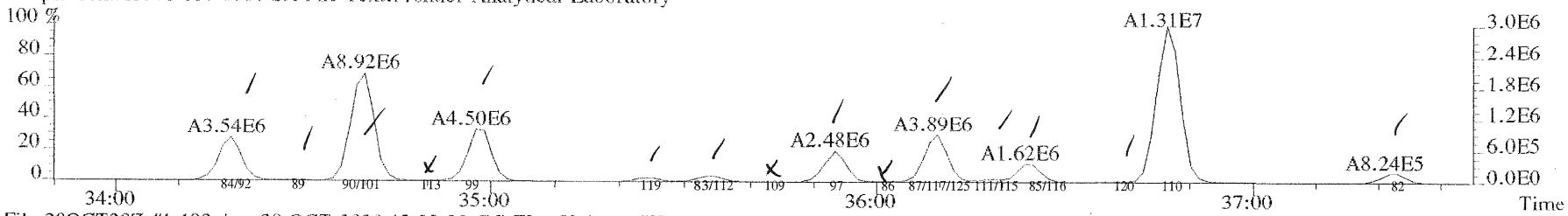
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



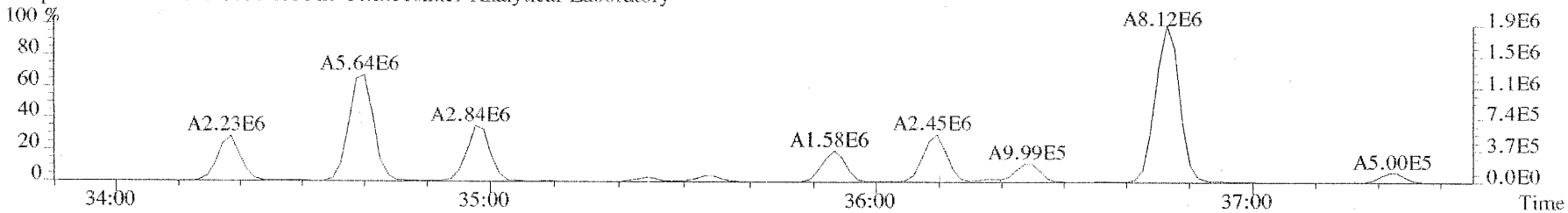
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



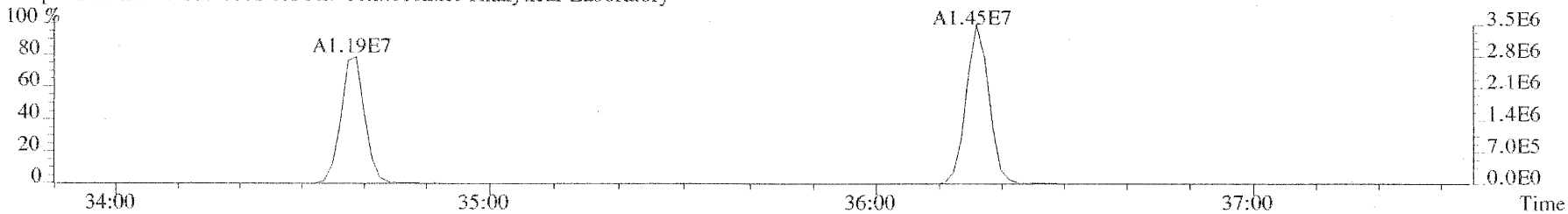
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



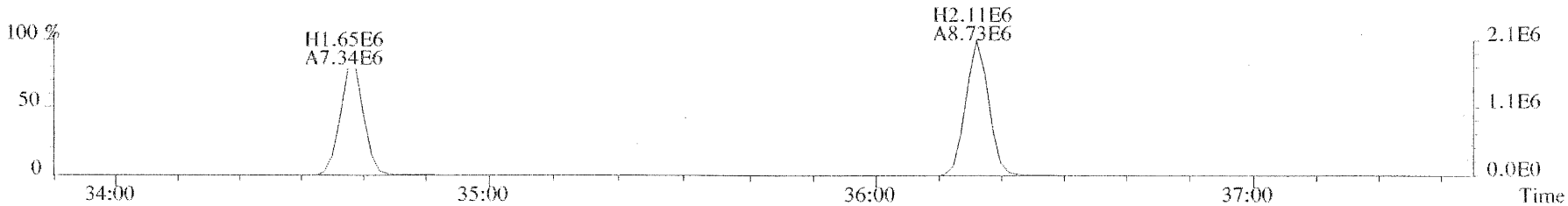
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



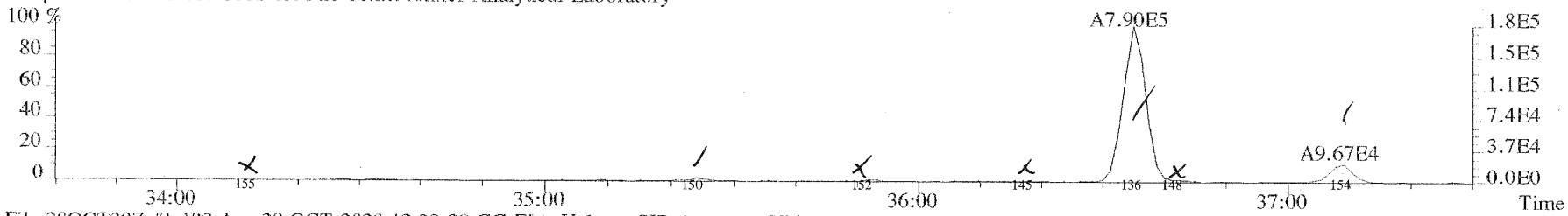
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



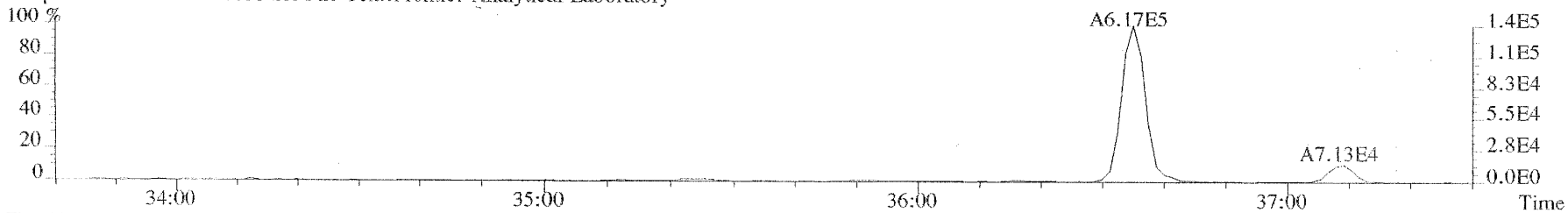
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



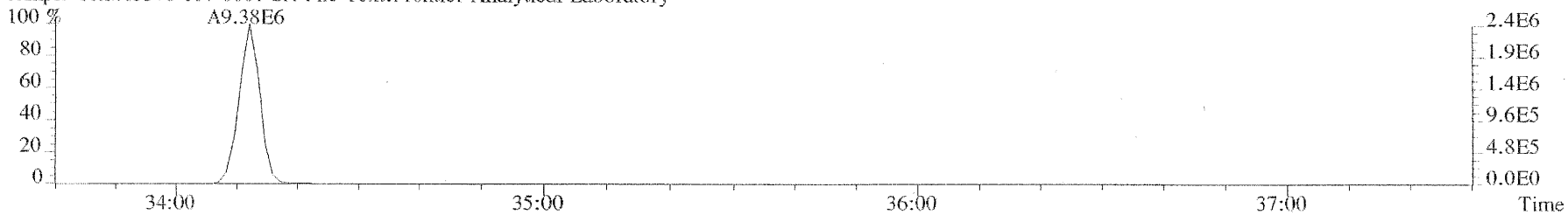
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



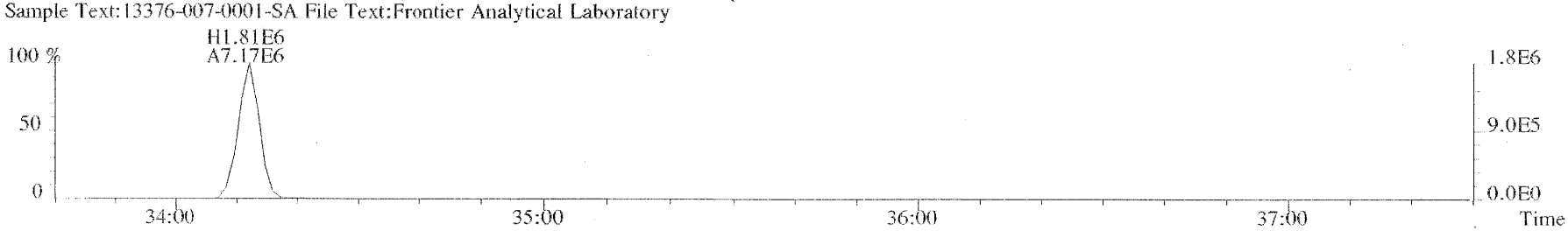
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



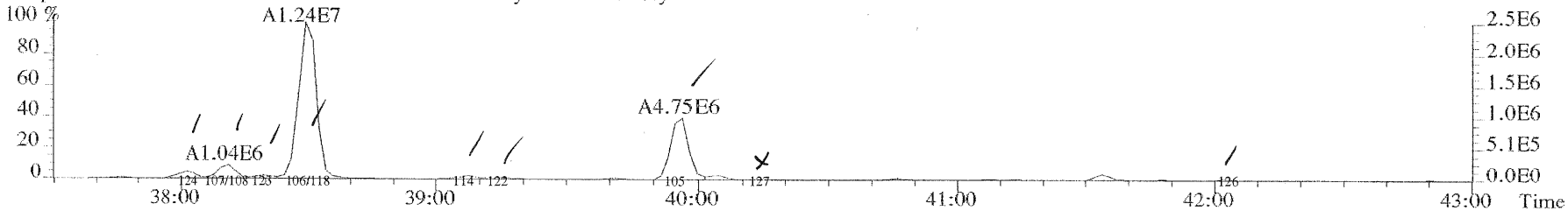
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



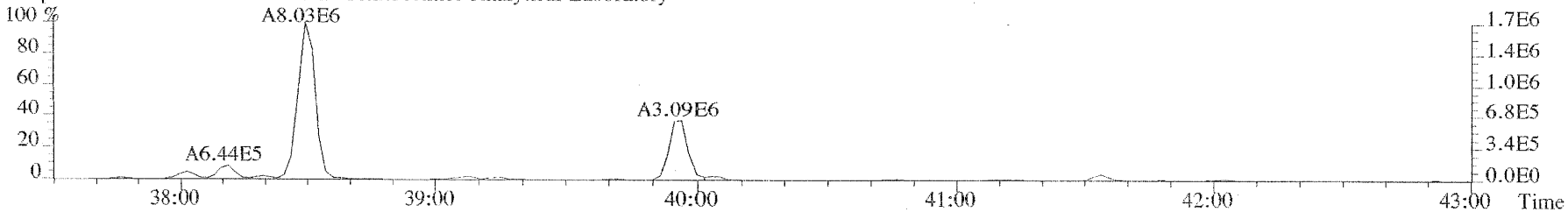
File:28OCT20Z #1-183 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



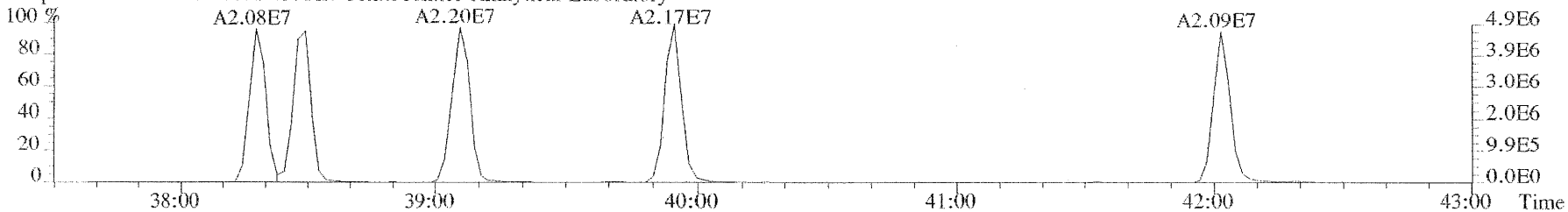
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



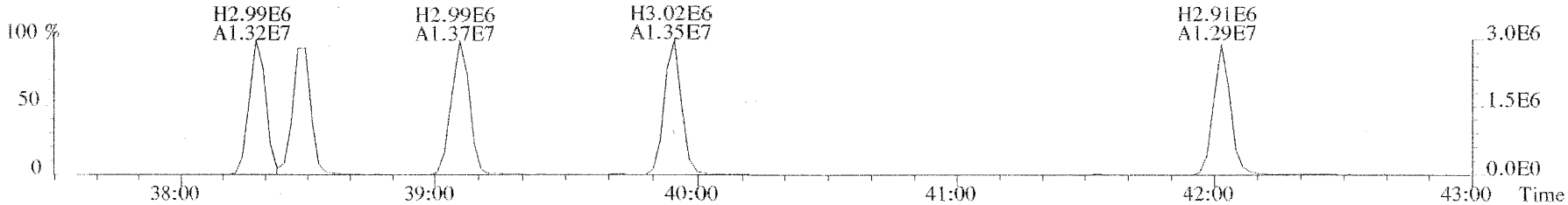
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



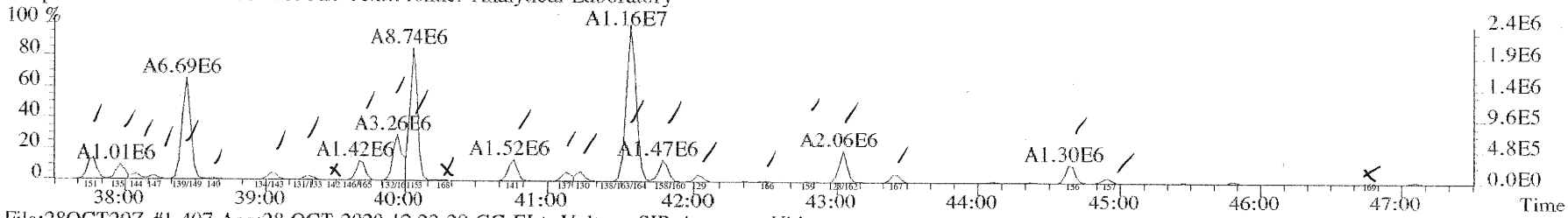
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



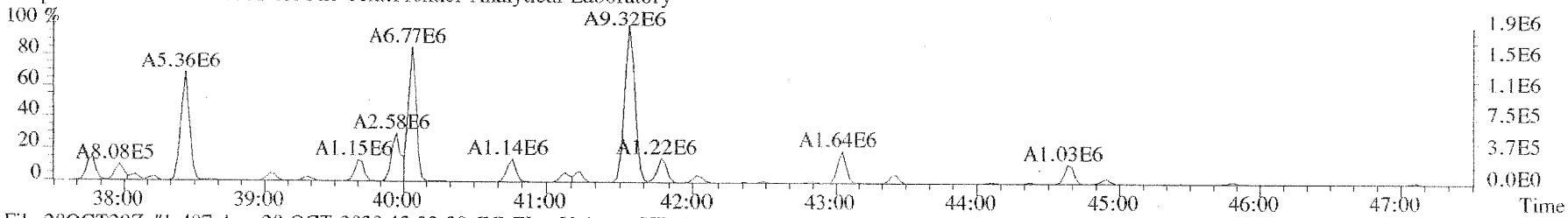
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



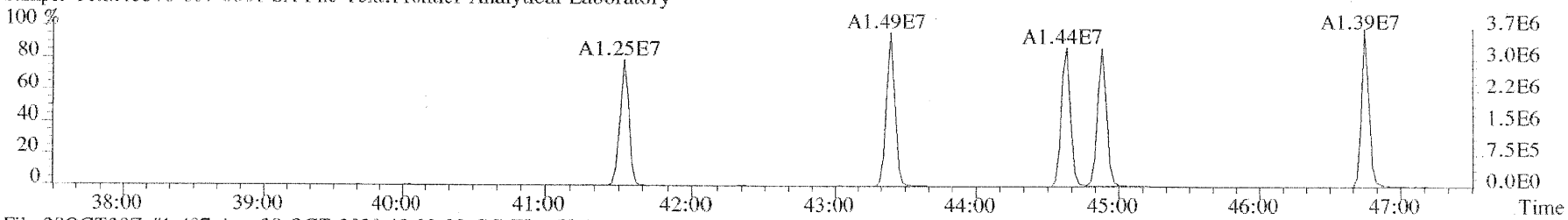
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



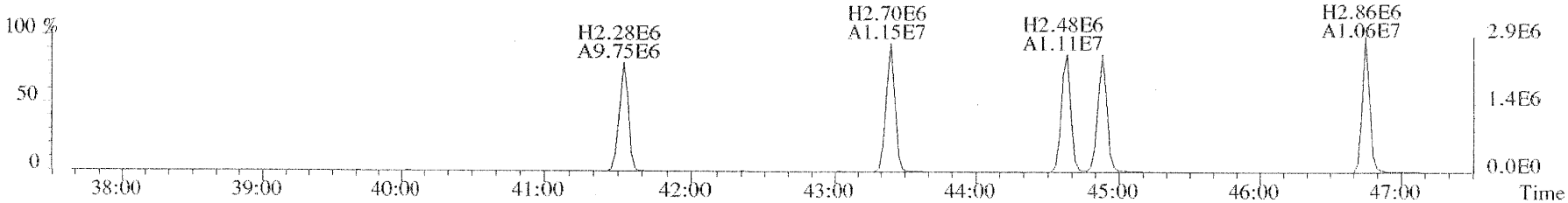
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



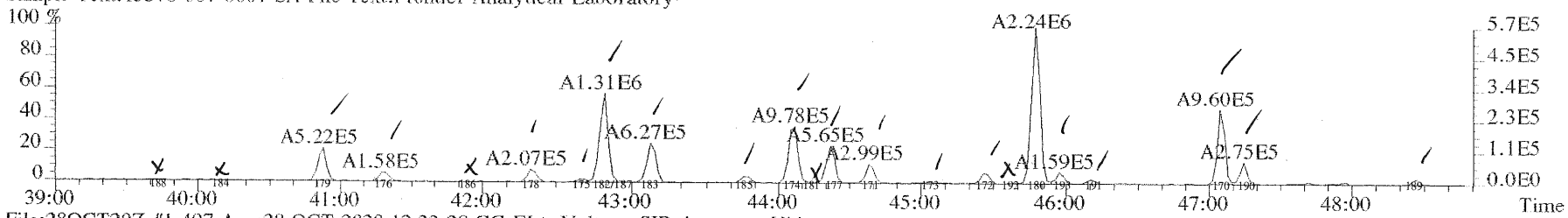
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



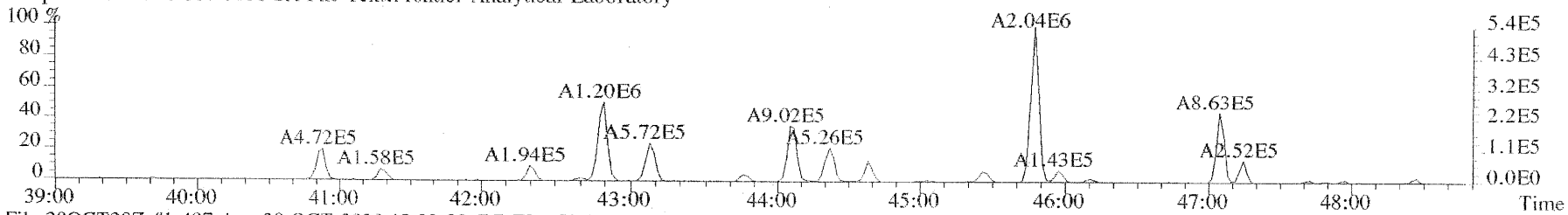
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



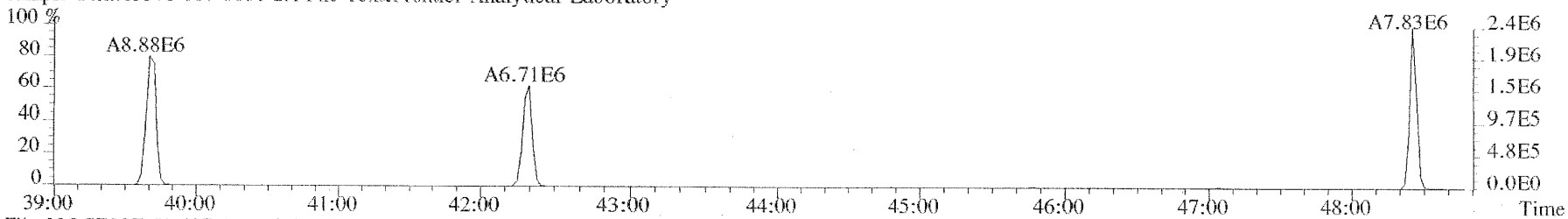
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



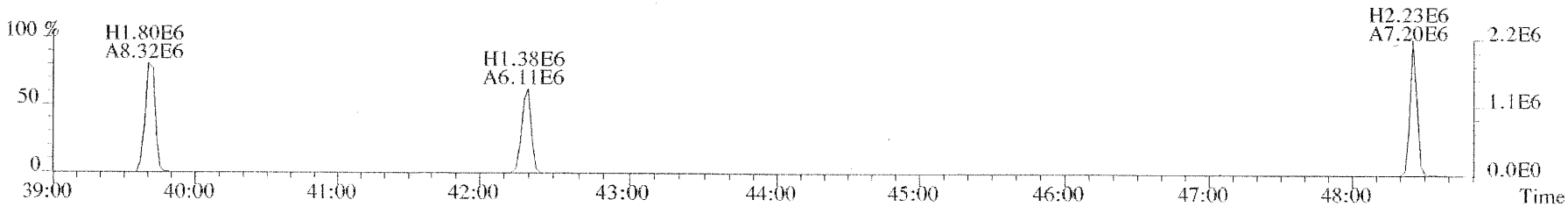
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



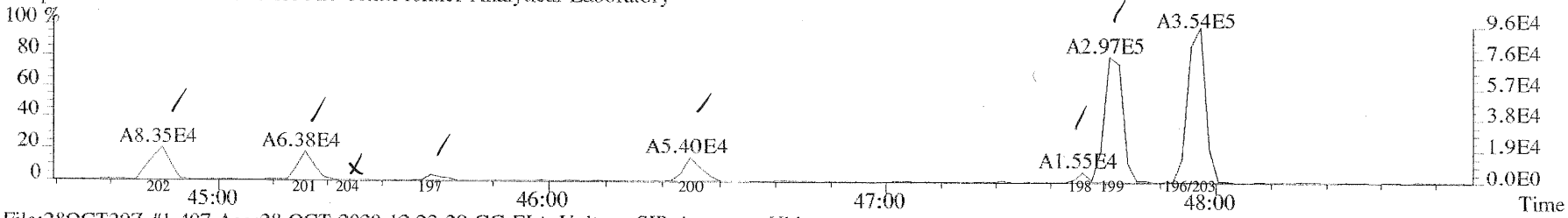
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



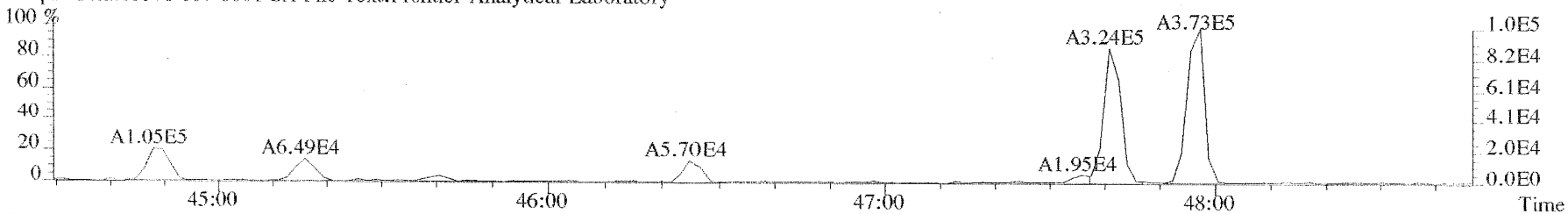
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



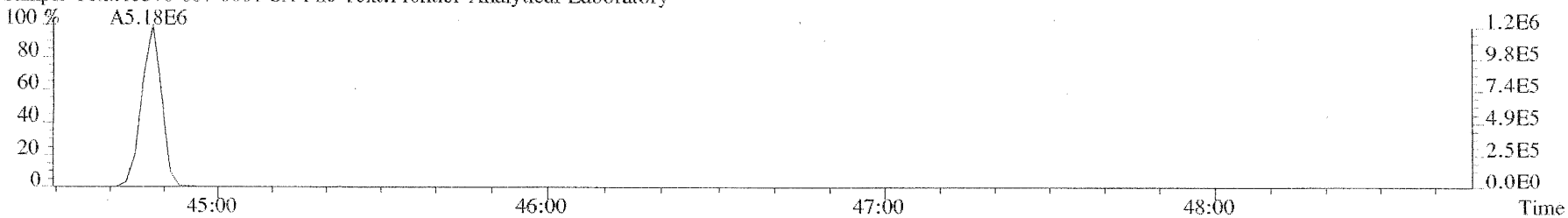
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



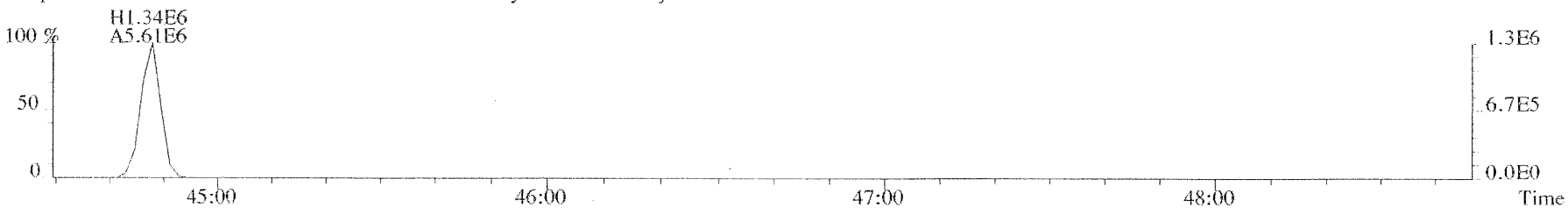
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



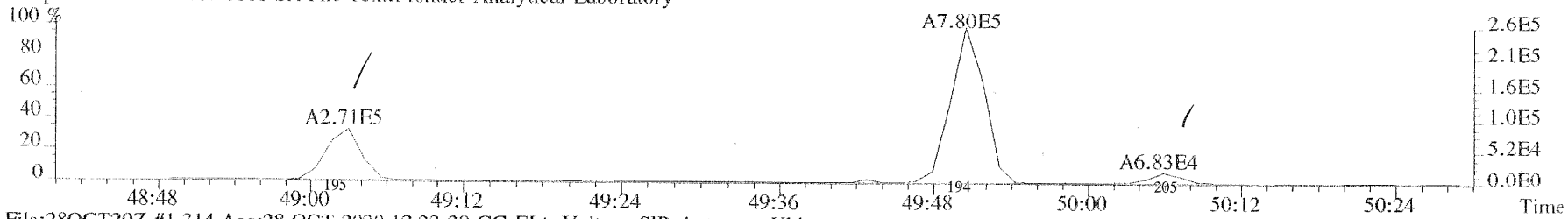
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



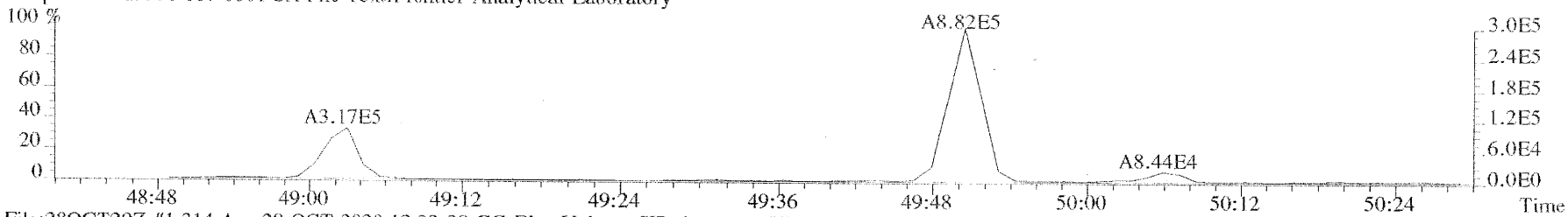
File:28OCT20Z #1-407 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



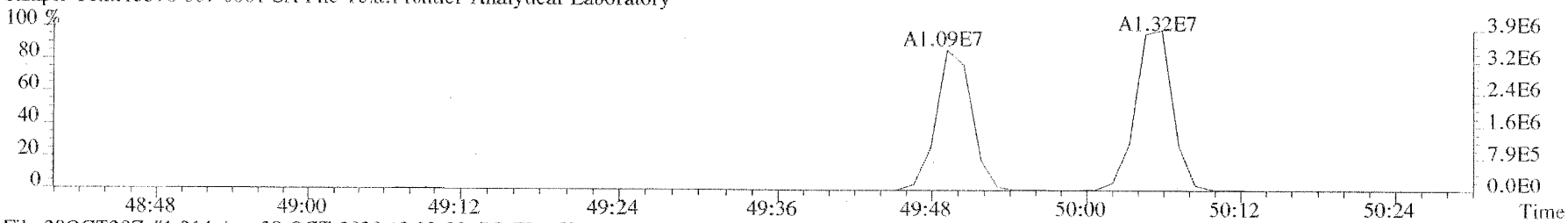
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



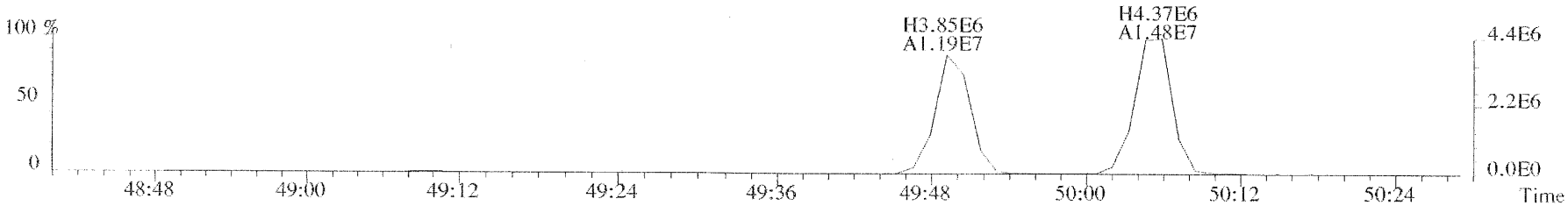
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



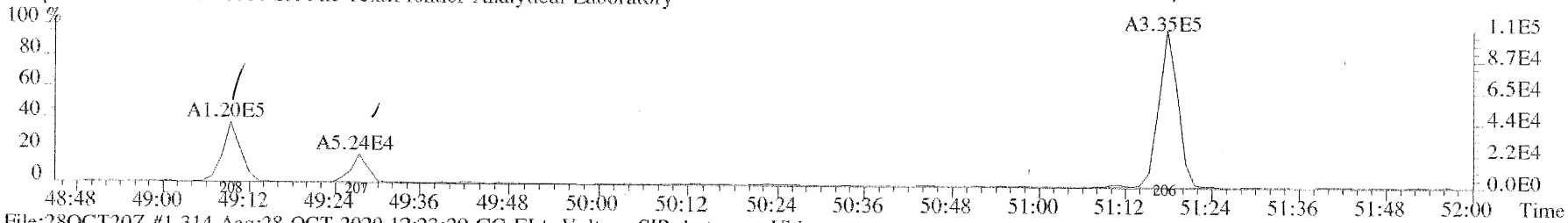
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



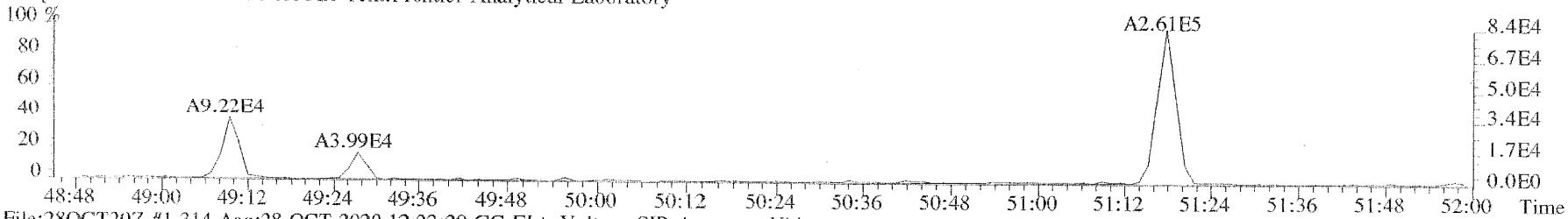
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



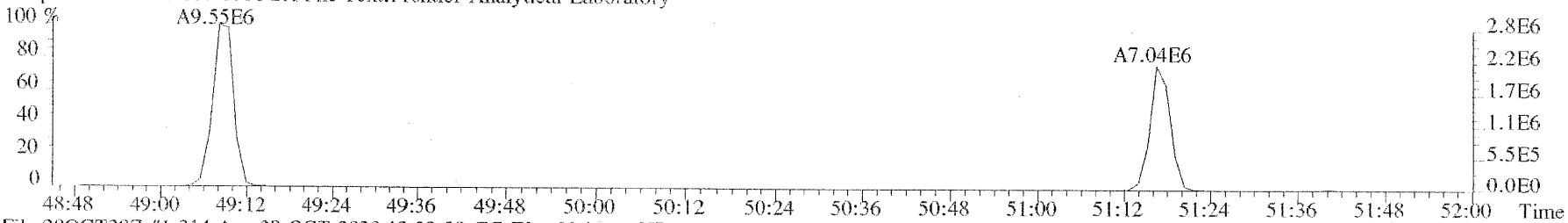
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



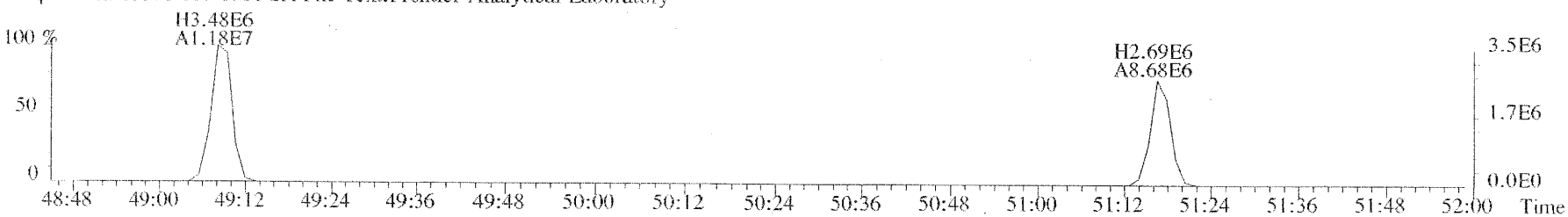
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



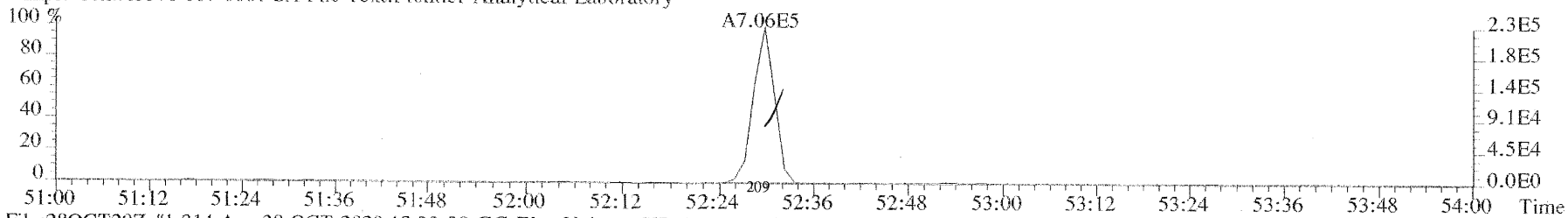
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



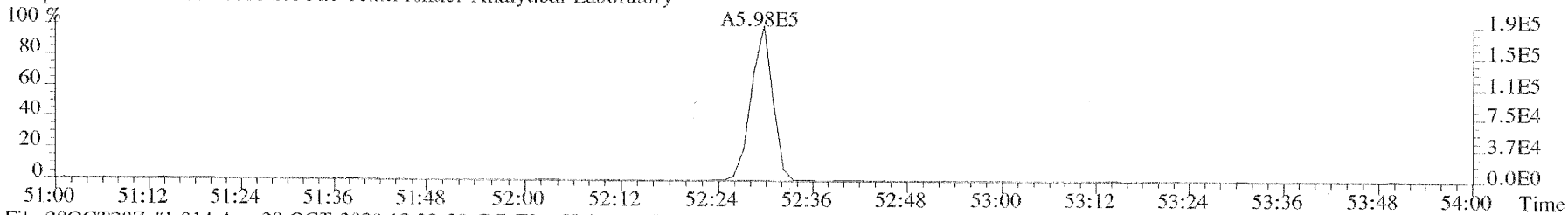
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



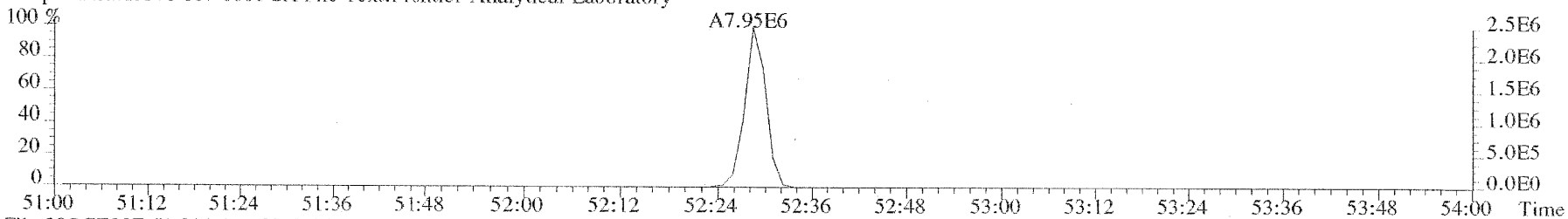
File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 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:13376-007-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 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:13376-007-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 12:23:29 GC EI+ Voltage SIR Autospec-Ultima
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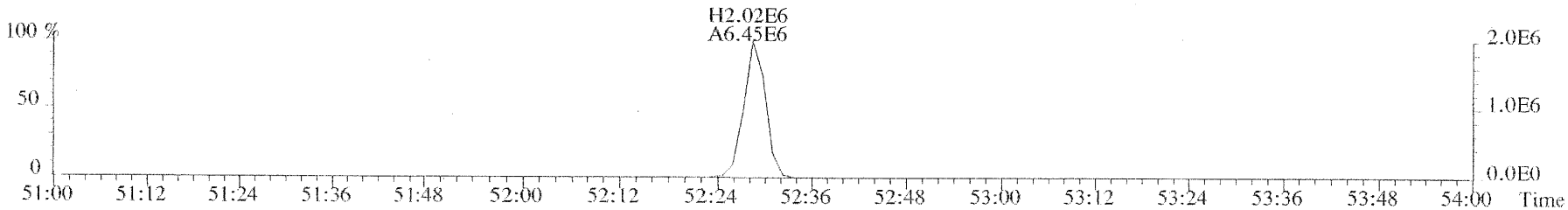
Sample Text:13376-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13376-008-0001-SA Filename: 28OCT20Z Sam:8 Acquired: 28-OCT-20 13:21:50 ICal: DAILY209FAL4-10-28-20
Client ID: LDW-Y3-IN-ENR+AC-CC-CORE ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 13376 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	4.50e+05	3.07 y	14:32	1.34	7.75		-	-	*			
13C-PCB-1	4.33e+07	3.29 y	14:31	0.84	845					84.5	1.17e+07	3.53e+06
PCB-2	7.42e+04	2.88 y	16:44	1.37	1.32	J	-	-	*			
PCB-3	1.96e+05	3.09 y	16:57	1.35	3.69		-	-	*			
13C-PCB-3	3.92e+07	3.36 y	16:56	0.80	801					80.1	9.54e+06	2.87e+06
PCB-4	5.23e+05	1.46 y	18:12	1.00	13.6		-	-	*			
PCB-10	*	* n	NotFnd	1.38	*		845	5560	0.832			
13C-PCB-4	3.87e+07	1.61 y	18:10	0.65	971					97.1	7.45e+06	4.68e+06
PCB-9	9.77e+04	1.49 y	19:51	1.36	1.45	J	-	-	*			
PCB-7	1.45e+05	1.43 y	19:53	1.34	2.20		-	-	*			
PCB-6	6.92e+05	1.40 y	20:29	1.31	10.6		-	-	*			
PCB-8	1.75e+06	1.44 y	20:51	1.27	27.9		-	-	*			
PCB-5	*	* n	NotFnd	1.30	*		845	5560	0.882			
PCB-14	*	* n	NotFnd	1.28	*		845	5560	0.896			
PCB-11	3.82e+05	1.50 y	23:03	1.21	6.36		-	-	*			
PCB-13	1.43e+05	1.48 y	23:22	1.22	2.38		-	-	*			
PCB-12	1.46e+05	1.52 y	23:23	1.23	2.39		-	-	*			
PCB-15	1.17e+06	1.49 y	23:42	1.12	17.2		-	-	*			
13C-PCB-15	6.04e+07	1.59 y	23:41	0.94	1060					106	9.64e+06	5.90e+06
PCB-19	1.27e+05	1.14 y	22:04	1.48	4.36		-	-	*			
PCB-30	*	* n	NotFnd	2.16	*		3600	844	0.929			
PCB-18	1.23e+06	1.12 y	23:36	1.50	41.4		-	-	*			
PCB-17	5.91e+05	1.11 y	23:46	1.60	18.8		-	-	*			
PCB-27	1.22e+05	1.14 y	24:17	2.07	2.99		-	-	*			
PCB-24	1.13e+05	0.99 y	24:18	2.08	2.76		-	-	*			
PCB-16	3.92e+05	0.99 y	24:47	1.72	11.6		-	-	*			
PCB-32	4.25e+05	1.14 y	24:48	1.82	11.9		-	-	*			
13C-PCB-19	1.97e+07	1.14 y	22:03	0.37	865					86.5	2.95e+06	2.59e+06
13C-PCB-9	6.11e+07	1.61 y	19:50	-	10.2							
PCB-34	*	* n	NotFnd	1.09	*		1050	1060	0.501			
PCB-23	*	* n	NotFnd	1.06	*		1050	1060	0.514			
PCB-29	*	* n	NotFnd	1.11	*		1050	1060	0.491			
PCB-26	1.57e+06	1.04 y	26:04	1.09	25.9		-	-	*			
PCB-25	8.22e+05	1.06 y	26:14	1.05	14.0		-	-	*			
PCB-31	3.57e+06	1.02 y	26:35	1.05	60.9		-	-	*			
PCB-28	4.16e+06	1.04 y	26:40	1.32	56.5		-	-	*			
PCB-20	1.84e+06	1.11 y	27:16	1.06	31.1		-	-	*		Co-elute PCB 21/33	
PCB-21	1.84e+06	1.11 y	27:16	1.06	31.1		-	-	*		Co-elute PCB 20/33	
PCB-33	1.84e+06	1.11 y	27:16	1.06	31.1		-	-	*		Co-elute PCB 20/21	
PCB-22	1.20e+06	1.13 y	27:40	1.15	18.7		-	-	*			
PCB-36	*	* n	NotFnd	1.09	*		1050	2660	0.875			
PCB-39	*	* n	NotFnd	1.12	*		1050	2660	0.853			
PCB-38	*	* n	NotFnd	1.13	*		1050	2660	0.846			
PCB-35	1.28e+05	1.10 y	29:58	1.09	2.10		-	-	*			
PCB-37	1.10e+06	0.96 y	30:26	1.13	17.5		-	-	*			
13C-PCB-37	5.58e+07	1.09 y	30:25	1.64	1180					118	5.03e+06	4.67e+06

PCB-54	*	*	n	NotFnd	1.32	*		764	1750	0.610			
PCB-50	*	*	n	NotFnd	1.09	*		764	1750	0.740			
PCB-53	3.31e+05	0.78	y	27:19	1.03	10.4		-	-	*			
PCB-51	1.02e+05	0.73	y	27:39	1.05	3.16		-	-	*			
PCB-45	2.20e+05	0.70	y	28:03	0.92	7.76		-	-	*			
PCB-46	8.43e+04	0.75	y	28:30	0.87	3.13		-	-	*			
PCB-52	5.68e+06	0.80	y	28:58	1.13	163		-	-	*		Co-elute PCB 69	
PCB-69	5.68e+06	0.80	y	28:58	1.13	163		-	-	*		Co-elute PCB 52	
PCB-73	7.33e+04	0.67	y	29:04	1.31	1.82	J	-	-	*			
PCB-43	2.92e+06	0.79	y	29:15	0.99	95.8		-	-	*		Co-elute PCB 49	
PCB-49	2.92e+06	0.79	y	29:15	0.99	95.8		-	-	*		Co-elute PCB 43	
PCB-47	1.10e+06	0.78	y	29:27	1.07	33.2		-	-	*			
PCB-48	4.91e+05	0.83	y	29:34	1.26	12.7		-	-	*		Co-elute PCB 75	
PCB-75	4.91e+05	0.83	y	29:34	1.26	12.7		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.28	*		764	1750	0.628			
PCB-62	*	*	n	NotFnd	1.29	*		764	1750	0.625			
PCB-44	2.34e+06	0.78	y	30:16	0.86	88.2		-	-	*			
PCB-42	8.48e+05	0.83	y	30:30	1.10	24.9		-	-	*		Co-elute PCB 59	
PCB-59	8.48e+05	0.83	y	30:30	1.10	24.9		-	-	*		Co-elute PCB 42	
PCB-72	2.31e+06	0.80	y	31:00	1.22	61.6		-	-	*		Co-elute PCB 41/71/64	
PCB-41	2.31e+06	0.80	y	31:00	1.22	61.6		-	-	*		Co-elute PCB 72/71/64	
PCB-71	2.31e+06	0.80	y	31:00	1.22	61.6		-	-	*		Co-elute PCB 72/41/64	
PCB-64	2.31e+06	0.80	y	31:00	1.22	61.6		-	-	*		Co-elute PCB 72/41/71	
PCB-68	1.46e+05	0.73	y	31:13	1.40	3.38		-	-	*			
PCB-40	2.35e+05	0.79	y	31:24	0.79	9.63		-	-	*			
PCB-57	5.45e+04	0.76	y	31:46	1.30	1.36	J	-	-	*			
PCB-67	1.25e+05	0.88	y	32:02	1.30	3.13		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		764	1750	0.636			
PCB-63	1.39e+05	0.80	y	32:17	1.30	3.47		-	-	*			
PCB-74	1.72e+06	0.78	y	32:34	1.30	42.9		-	-	*			
PCB-61	4.46e+06	0.81	y	32:46	1.18	123		-	-	*		Co-elute PCB 70	
PCB-70	4.46e+06	0.81	y	32:46	1.18	123		-	-	*		Co-elute PCB 61	
PCB-76	3.86e+06	0.80	y	32:58	1.33	94.0		-	-	*		Co-elute PCB 66	
PCB-66	3.86e+06	0.80	y	32:58	1.33	94.0		-	-	*		Co-elute PCB 76	
PCB-80	6.69e+04	0.82	y	33:09	1.55	1.40	J	-	-	*			
PCB-55	1.41e+05	0.75	y	33:26	1.33	3.46		-	-	*			
13C-PCB-54	3.08e+07	0.83	y	25:34	1.14	939					93.9	3.51e+06	4.29e+06
PCB-104	*	*	n	NotFnd	1.27	*		312	424	0.432			
PCB-96	3.04e+04	1.53	y	31:15	1.20	1.47	J	-	-	*			
PCB-103	4.69e+04	1.48	y	31:44	1.03	2.66		-	-	*			
PCB-100	2.78e+04	1.51	y	32:05	1.03	1.56	J	-	-	*			
PCB-94	1.54e+04	1.70	y	32:30	0.85	1.05	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.85	*		312	424	0.644		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.85	*		312	424	0.644		Co-elute PCB 98	
PCB-95	3.23e+06	1.56	y	33:01	0.91	206		-	-	*			
PCB-93	*	*	n	NotFnd	0.91	*		312	424	0.605			
PCB-88	5.97e+05	1.55	y	33:26	0.95	36.5		-	-	*		Co-elute PCB 91	
PCB-91	5.97e+05	1.55	y	33:26	0.95	36.5		-	-	*		Co-elute PCB 88	
PCB-121	*	*	n	NotFnd	1.16	*		312	424	0.476			
13C-PCB-104	1.72e+07	1.61	y	30:05	0.71	839					83.9	2.08e+06	1.27e+06
13C-PCB-28	5.97e+07	1.08	y	26:38	1.91	1090					109	7.63e+06	7.17e+06
13C-PCB-52	2.88e+07	0.82	y	28:55	-	9.95							

PCB-56	2.29e+06	0.81 y	33:56	1.14	48.7		-	-	*		Co-elute PCB 60	
PCB-60	2.29e+06	0.81 y	33:56	1.14	48.7		-	-	*		Co-elute PCB 56	
PCB-79	1.83e+05	0.72 y	34:58	1.20	3.71		-	-	*			
PCB-78	*	* n	NotFnd	1.17	*		1610	2090	0.915			
PCB-81	2.54e+05	0.77 y	36:08	1.24	4.98		-	-	*			
13C-PCB-81	4.11e+07	0.81 y	36:06	1.70	1080					108	3.94e+06	4.95e+06
PCB-77	4.47e+05	0.85 y	36:41	1.09	9.91		-	-	*			
13C-PCB-77	4.12e+07	0.82 y	36:40	1.77	1040					104	3.81e+06	4.67e+06
PCB-155	*	* n	NotFnd	1.21	*		820	420	0.616			
PCB-150	1.92e+04	1.26 y	35:23	1.16	0.904	J	-	-	*			
PCB-152	*	* n	NotFnd	1.16	*		820	420	0.641			
PCB-145	*	* n	NotFnd	1.17	*		820	420	0.638			
PCB-136	7.18e+05	1.26 y	36:35	1.05	37.5		-	-	*			
PCB-148	*	* n	NotFnd	0.96	*		820	420	0.776			
PCB-154	9.27e+04	1.30 y	37:08	1.00	5.10		-	-	*			
13C-PCB-155	1.82e+07	1.31 y	34:11	0.95	852					85.2	2.39e+06	1.79e+06
13C-PCB-111	2.51e+07	1.63 y	36:15	1.26	887					88.7	3.44e+06	2.13e+06
13C-PCB-101	2.25e+07	1.64 y	34:36	-	9.80							
PCB-84	2.69e+06	1.56 y	34:16	0.71	96.1		-	-	*		Co-elute PCB 92	
PCB-92	2.69e+06	1.56 y	34:16	0.71	96.1		-	-	*		Co-elute PCB 84	
PCB-89	6.01e+04	1.40 y	34:27	0.71	2.13		-	-	*			
PCB-90	7.47e+06	1.55 y	34:37	0.80	237		-	-	*		Co-elute PCB 101	
PCB-101	7.47e+06	1.55 y	34:37	0.80	237		-	-	*		Co-elute PCB 90	
PCB-113	*	* n	NotFnd	0.86	*		952	772	0.577			
PCB-99	4.17e+06	1.59 y	34:56	0.91	116		-	-	*			
PCB-119	2.81e+05	1.43 y	35:23	1.01	7.02		-	-	*			
PCB-83	3.59e+05	1.47 y	35:33	0.80	11.4		-	-	*		Co-elute PCB 112	
PCB-112	3.59e+05	1.47 y	35:33	0.80	11.4		-	-	*		Co-elute PCB 83	
PCB-109	*	* n	NotFnd	0.99	*		952	772	0.500			
PCB-97	2.07e+06	1.57 y	35:52	0.68	77.5		-	-	*			
PCB-86	*	* n	NotFnd	0.64	*		952	772	0.766			
PCB-125	3.17e+06	1.54 y	36:08	0.92	87.2		-	-	*		Co-elute PCB 87/117	
PCB-87	3.17e+06	1.54 y	36:08	0.92	87.2		-	-	*		Co-elute PCB 125/117	
PCB-117	3.17e+06	1.54 y	36:08	0.92	87.2		-	-	*		Co-elute PCB 125/87	
PCB-111	2.10e+05	1.48 y	36:18	1.01	5.27		-	-	*		Co-elute PCB 115	
PCB-115	2.10e+05	1.48 y	36:18	1.01	5.27		-	-	*		Co-elute PCB 111	
PCB-85	1.35e+06	1.60 y	36:23	0.88	39.0		-	-	*		Co-elute PCB 116	
PCB-116	1.35e+06	1.60 y	36:23	0.88	39.0		-	-	*		Co-elute PCB 85	
PCB-120	*	* n	NotFnd	1.04	*		952	772	0.473			
PCB-110	1.02e+07	1.58 y	36:46	0.98	264		-	-	*			
PCB-82	6.29e+05	1.69 y	37:22	0.61	25.9		-	-	*			
PCB-124	4.99e+05	1.53 y	38:01	1.10	11.5		-	-	*			
PCB-108	8.37e+05	1.49 y	38:09	1.13	18.8		-	-	*		Co-elute PCB 107	
PCB-107	8.37e+05	1.49 y	38:09	1.13	18.8		-	-	*		Co-elute PCB 108	
PCB-123	1.96e+05	1.37 y	38:19	1.01	5.11		-	-	*			
13C-PCB-123	3.80e+07	1.60 y	38:18	1.33	1120					112	5.66e+06	3.48e+06
PCB-118	1.14e+07	1.54 y	38:29	1.08	255		-	-	*		Co-elute PCB 106	
PCB-106	1.14e+07	1.54 y	38:29	1.08	255		-	-	*		Co-elute PCB 118	
13C-PCB-118	4.12e+07	1.62 y	38:28	1.43	1130					113	5.54e+06	3.43e+06
PCB-114	2.42e+05	1.54 y	39:05	1.13	5.36		-	-	*			
13C-PCB-114	4.00e+07	1.63 y	39:05	1.39	1130					113	5.54e+06	3.35e+06
PCB-122	1.41e+05	1.57 y	39:14	1.12	3.19		-	-	*			
PCB-105	4.09e+06	1.56 y	39:55	1.17	90.2		-	-	*			
13C-PCB-105	3.87e+07	1.64 y	39:55	1.36	1110					111	4.98e+06	3.05e+06

PCB-127	*	*	n	NotFnd	1.08	*		1410	1690	0.819			
PCB-126	6.47e+04	1.46	y	42:02	1.12	1.61	J	-	-	*			
13C-PCB-126	3.61e+07	1.59	y	42:02	1.30	1090					109	4.93e+06	3.15e+06
PCB-151	1.40e+06	1.28	y	37:45	0.99	48.2		-	-	*			
PCB-135	9.75e+05	1.23	y	37:58	0.96	34.5		-	-	*			
PCB-144	3.60e+05	1.32	y	38:03	1.03	11.8		-	-	*			
PCB-147	2.14e+05	1.25	y	38:11	1.08	6.69		-	-	*			
PCB-139	6.69e+06	1.26	y	38:26	1.07	212		-	-	*		Co-elute PCB 149	
PCB-149	6.69e+06	1.26	y	38:26	1.07	212		-	-	*		Co-elute PCB 139	
PCB-140	8.29e+04	1.12	y	38:36	1.08	2.60		-	-	*			
PCB-143	4.27e+05	1.16	y	39:02	0.88	16.5		-	-	*		Co-elute PCB 134	
PCB-134	4.27e+05	1.16	y	39:02	0.88	16.5		-	-	*		Co-elute PCB 143	
PCB-131	2.50e+05	1.21	y	39:19	0.87	9.72		-	-	*		Co-elute PCB 133	
PCB-133	2.50e+05	1.21	y	39:19	0.87	9.72		-	-	*		Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.91	*		1360	1150	0.993			
PCB-165	1.37e+06	1.26	y	39:40	1.15	40.5		-	-	*		Co-elute PCB 146	
PCB-146	1.37e+06	1.26	y	39:40	1.15	40.5		-	-	*		Co-elute PCB 165	
PCB-161	2.52e+06	1.28	y	39:56	1.09	78.3		-	-	*		Co-elute PCB 132	
PCB-132	2.52e+06	1.28	y	39:56	1.09	78.3		-	-	*		Co-elute PCB 161	
PCB-153	9.71e+06	1.27	y	40:03	1.19	277		-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*		1360	1150	0.714			
PCB-141	1.51e+06	1.30	y	40:46	0.98	52.1		-	-	*			
PCB-137	6.14e+05	1.26	y	41:07	0.93	22.3		-	-	*			
PCB-130	5.41e+05	1.29	y	41:12	0.93	19.7		-	-	*			
PCB-138	1.15e+07	1.29	y	41:34	1.17	333		-	-	*		Co-elute PCB 163/164	
PCB-163	1.15e+07	1.29	y	41:34	1.17	333		-	-	*		Co-elute PCB 138/164	
PCB-164	1.15e+07	1.29	y	41:34	1.17	333		-	-	*		Co-elute PCB 138/163	
PCB-158	1.43e+06	1.24	y	41:47	1.32	36.7		-	-	*		Co-elute PCB 160	
PCB-160	1.43e+06	1.24	y	41:47	1.32	36.7		-	-	*		Co-elute PCB 158	
PCB-129	4.12e+05	1.29	y	42:02	0.86	16.2		-	-	*			
PCB-166	5.65e+04	1.25	y	42:28	1.26	1.52	J	-	-	*			
PCB-159	9.67e+04	1.15	y	42:49	1.35	2.43		-	-	*			
PCB-128	1.89e+06	1.22	y	43:02	1.09	58.5		-	-	*		Co-elute PCB 162	
PCB-162	1.89e+06	1.22	y	43:02	1.09	58.5		-	-	*		Co-elute PCB 128	
PCB-167	5.28e+05	1.26	y	43:25	1.22	14.4		-	-	*			
13C-PCB-167	3.01e+07	1.29	y	43:24	1.11	1060					106	3.91e+06	2.97e+06
PCB-156	1.24e+06	1.21	y	44:38	1.26	33.4		-	-	*			
13C-PCB-156	2.95e+07	1.31	y	44:38	1.16	994					99.4	3.72e+06	2.79e+06
PCB-157	3.36e+05	1.25	y	44:54	1.25	8.94		-	-	*			
13C-PCB-157	3.00e+07	1.30	y	44:53	1.13	1040					104	3.80e+06	2.97e+06
PCB-169	*	*	n	NotFnd	1.20	*		1360	1150	0.666			
13C-PCB-169	2.85e+07	1.30	y	46:45	1.06	1050					105	4.43e+06	3.44e+06

PCB-188	*	*	n	NotFnd	1.20	*		650	556	0.592			
13C-PCB-188	1.90e+07	1.10	y	39:40	0.88	849					84.9	2.24e+06	2.00e+06
PCB-184	*	*	n	NotFnd	1.30	*		650	556	0.480			
PCB-179	6.03e+05	1.13	y	40:51	1.24	26.3		-	-	*			
PCB-176	2.03e+05	1.07	y	41:19	1.19	9.24		-	-	*			
PCB-186	*	*	n	NotFnd	1.23	*		650	556	0.505			
PCB-178	2.16e+05	1.04	y	42:21	0.88	13.3		-	-	*			
PCB-175	5.02e+04	0.97	y	42:41	0.92	2.95		-	-	*			
PCB-187	1.48e+06	1.11	y	42:49	0.99	80.5		-	-	*		Co-elute PCB 182	
PCB-182	1.48e+06	1.11	y	42:49	0.99	80.5		-	-	*		Co-elute PCB 187	
PCB-183	7.53e+05	1.01	y	43:07	0.99	41.4		-	-	*			
PCB-185	1.18e+05	1.14	y	43:47	0.92	6.91		-	-	*			
PCB-174	1.07e+06	1.07	y	44:05	0.91	63.4		-	-	*			
PCB-181	*	*	n	NotFnd	0.95	*		650	556	0.654			
PCB-177	6.40e+05	1.04	y	44:21	0.85	40.6		-	-	*			
PCB-171	3.20e+05	1.14	y	44:38	0.92	18.9		-	-	*			
PCB-173	3.04e+04	1.00	y	45:04	0.81	2.04		-	-	*			
PCB-172	1.92e+05	1.17	y	45:26	0.85	12.2		-	-	*			
PCB-192	*	*	n	NotFnd	1.10	*		650	556	0.565			
PCB-180	2.44e+06	1.11	y	45:47	0.87	152		-	-	*			
PCB-193	1.71e+05	1.04	y	45:57	1.18	7.86		-	-	*			
PCB-191	6.34e+04	0.95	y	46:10	1.12	3.07		-	-	*			
PCB-170	9.55e+05	1.09	y	47:04	0.85	60.7		-	-	*			
PCB-190	2.99e+05	1.12	y	47:14	1.12	14.5		-	-	*			
PCB-189	6.36e+04	1.13	y	48:27	1.19	3.00		-	-	*			
13C-PCB-189	1.79e+07	1.07	y	48:25	0.84	830					83.0	2.97e+06	2.74e+06
PCB-202	9.84e+04	0.97	y	44:49	1.10	6.92		-	-	*			
PCB-201	6.57e+04	1.01	y	45:16	1.17	4.37		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		460	424	0.600			
PCB-197	2.46e+04	1.01	y	45:40	1.20	1.59	J	-	-	*			
PCB-200	6.29e+04	0.99	y	46:25	1.15	4.23		-	-	*			
PCB-198	1.71e+04	0.83	y	47:36	0.84	1.57	J	-	-	*			
PCB-199	3.44e+05	0.93	y	47:41	0.90	29.6		-	-	*			
PCB-203	3.80e+05	0.96	y	47:55	0.95	31.0		-	-	*		Co-elute PCB 196	
PCB-196	3.80e+05	0.96	y	47:55	0.95	31.0		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.29e+07	0.91	y	44:48	0.61	828					82.8	1.46e+06	1.59e+06
13C-PCB-178	1.39e+07	1.07	y	42:18	0.67	810					81.0	1.50e+06	1.43e+06
13C-PCB-138	2.56e+07	1.30	y	41:32	-	9.87							
PCB-195	3.22e+05	0.89	y	49:03	0.80	11.9		-	-	*			
PCB-194	8.62e+05	0.90	y	49:50	0.91	28.1		-	-	*			
PCB-205	7.59e+04	0.84	y	50:06	1.08	2.07		-	-	*			
13C-PCB-205	3.39e+07	0.90	y	50:05	1.25	974					97.4	5.45e+06	6.08e+06
PCB-208	1.05e+05	1.32	y	49:09	1.11	3.59		-	-	*			
13C-PCB-208	2.65e+07	0.81	y	49:08	1.00	951					95.1	3.63e+06	4.57e+06
PCB-207	4.57e+04	1.19	y	49:27	1.25	1.62	J	-	-	*			
PCB-206	2.79e+05	1.52	y	51:18	1.13	13.2		-	-	*			
13C-PCB-206	1.87e+07	0.81	y	51:16	0.78	856					85.6	2.57e+06	3.28e+06
PCB-209	1.68e+05	1.16	y	52:30	1.26	7.92		-	-	*			
13C-PCB-209	1.69e+07	1.23	y	52:28	0.78	777					77.7	2.97e+06	2.40e+06
13C-PCB-194	2.79e+07	0.91	y	49:49	-	9.90							

Analyst: _____ Date: 11/3/20

File:28OCT20Z #1-784 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
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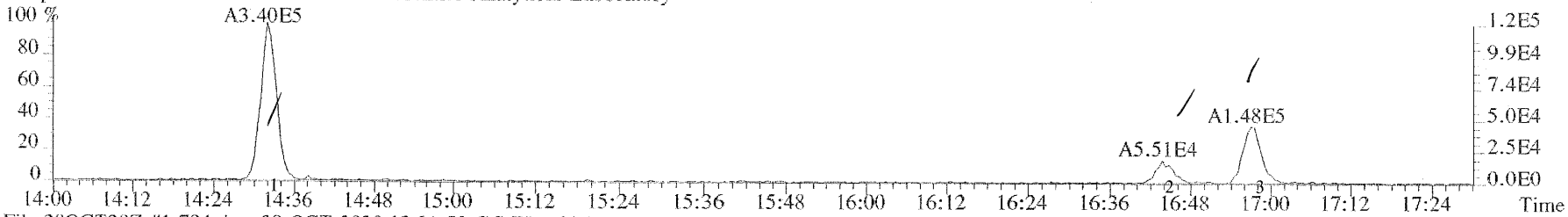
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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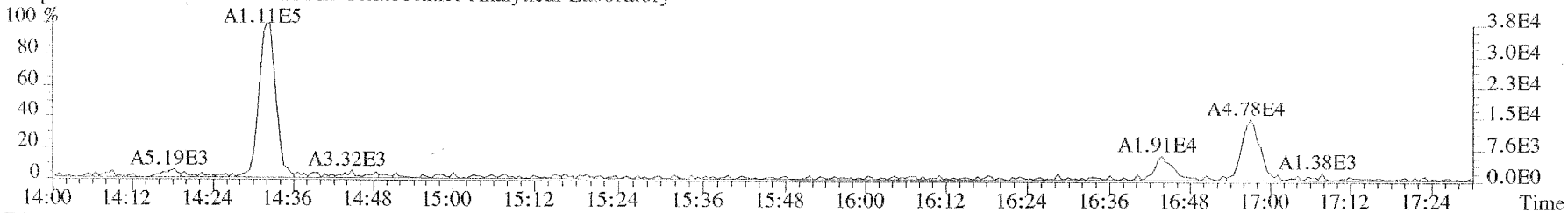
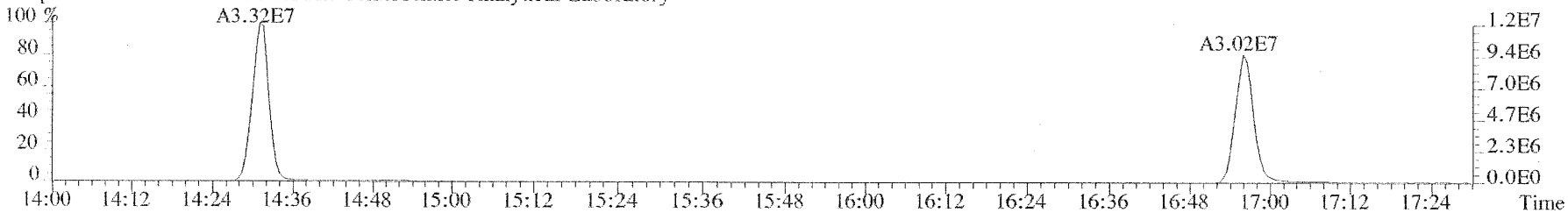
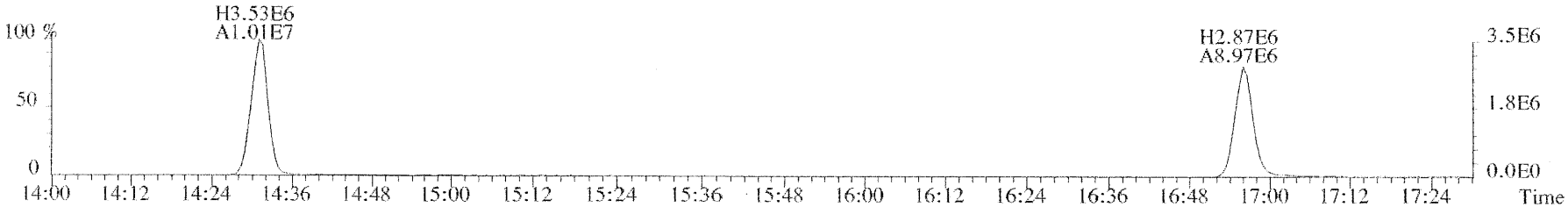
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



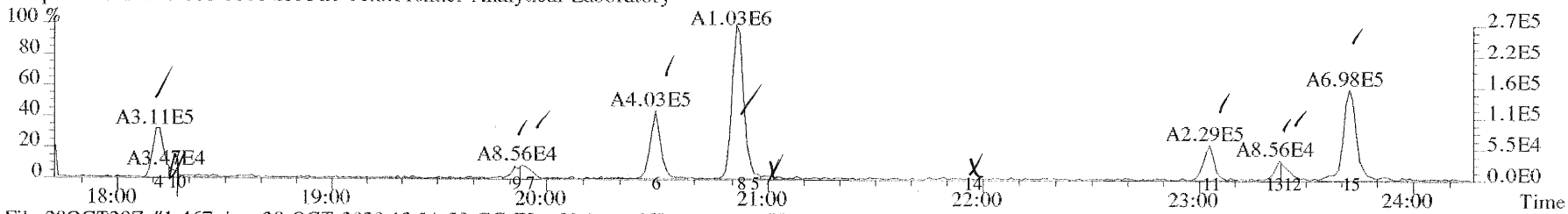
File:28OCT20Z #1-784 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



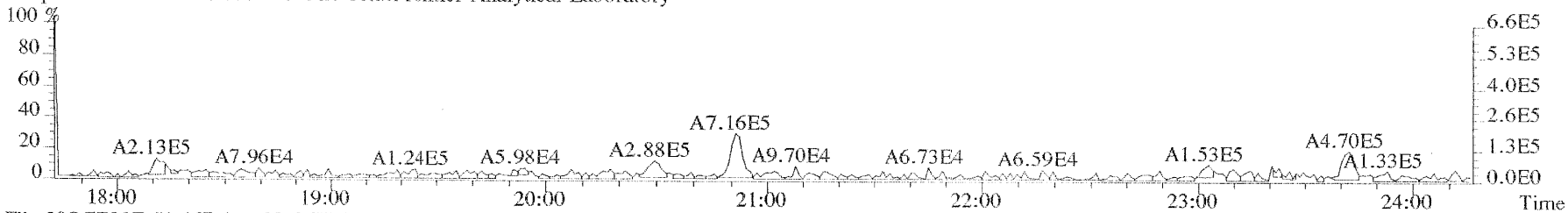
File:28OCT20Z #1-784 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



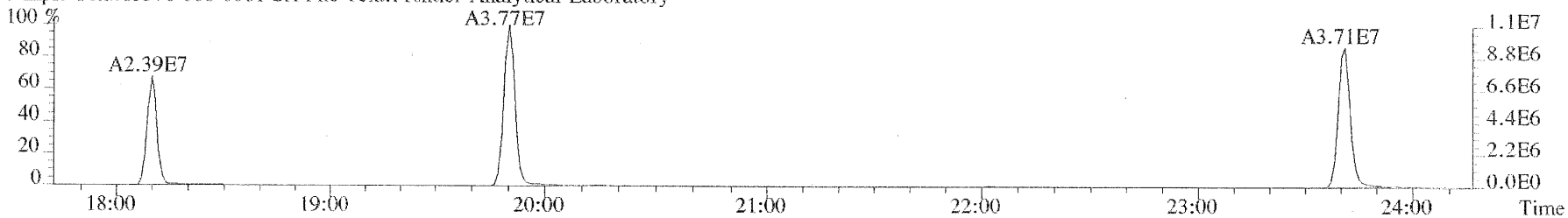
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



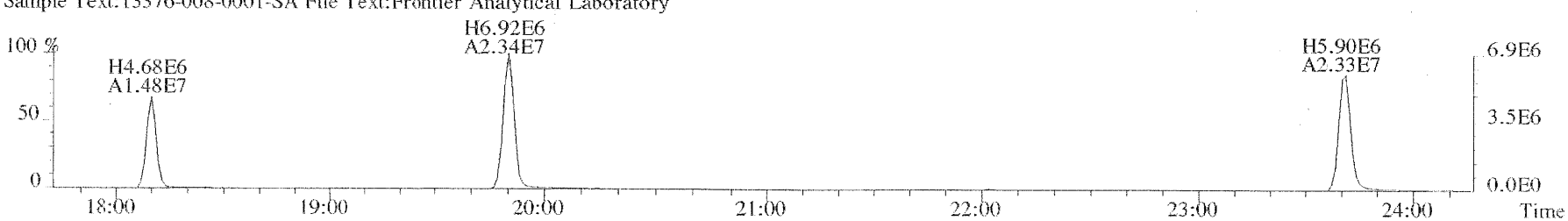
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



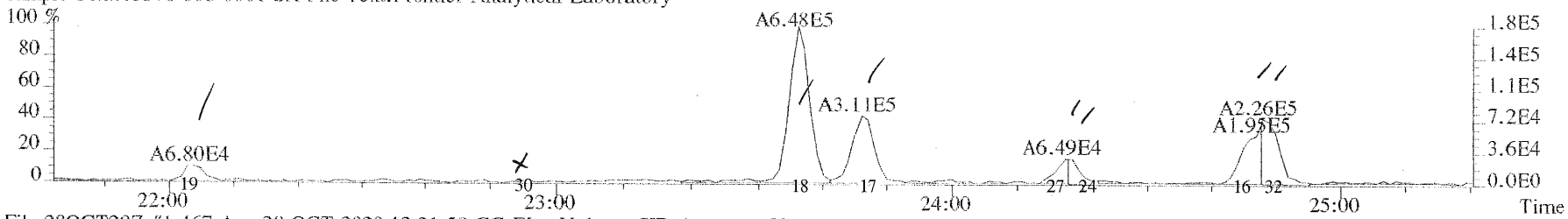
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



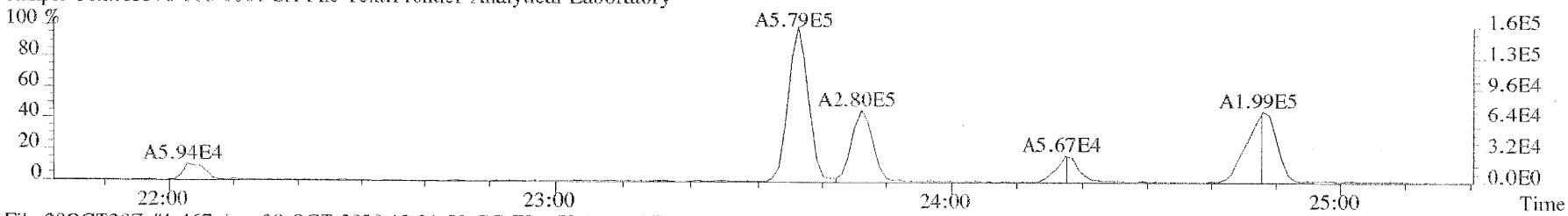
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



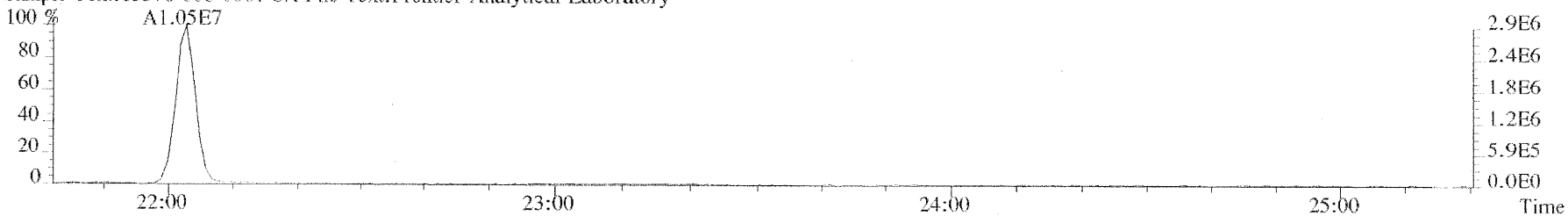
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



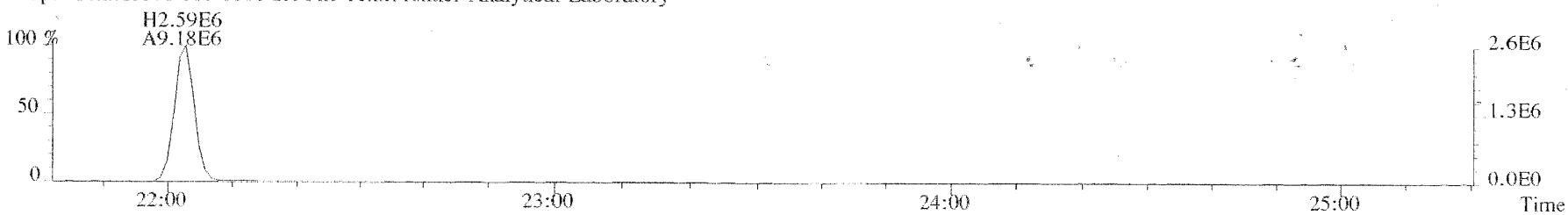
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



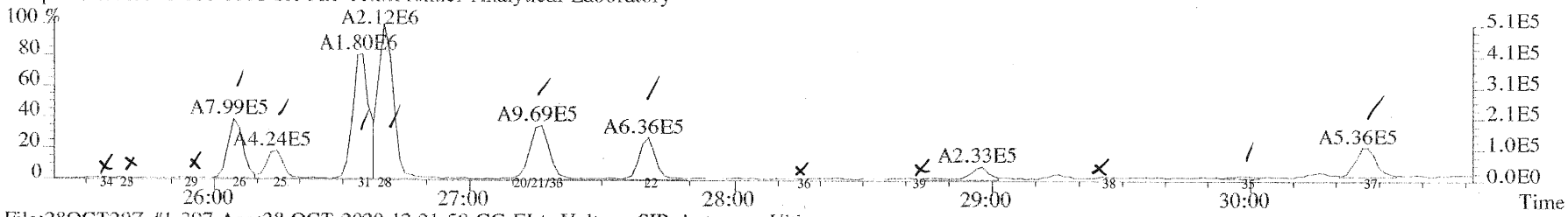
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



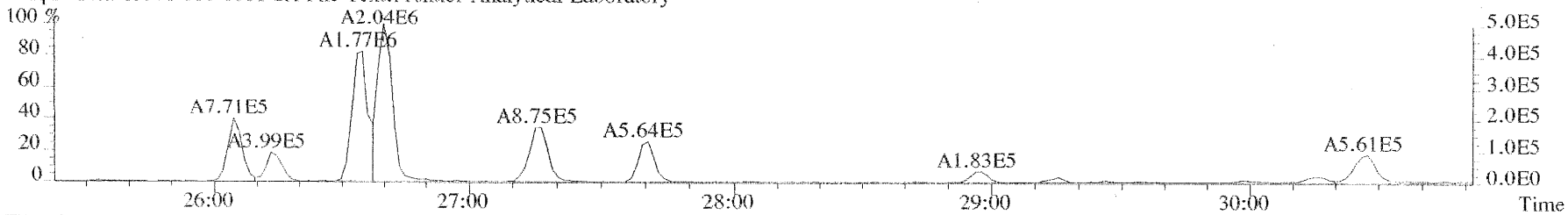
File:28OCT20Z #1-467 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



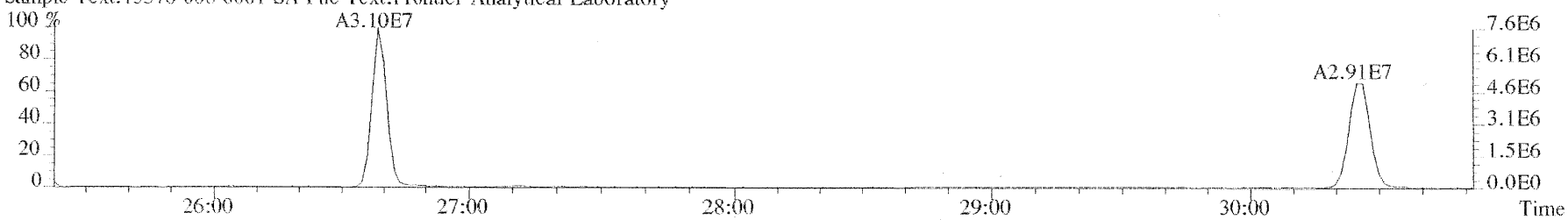
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



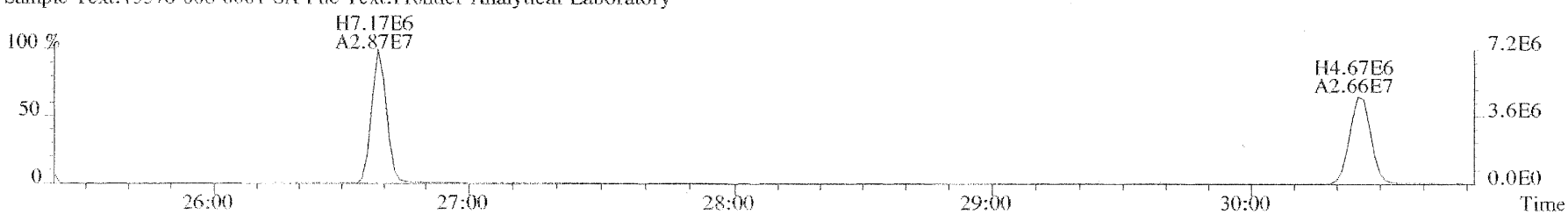
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



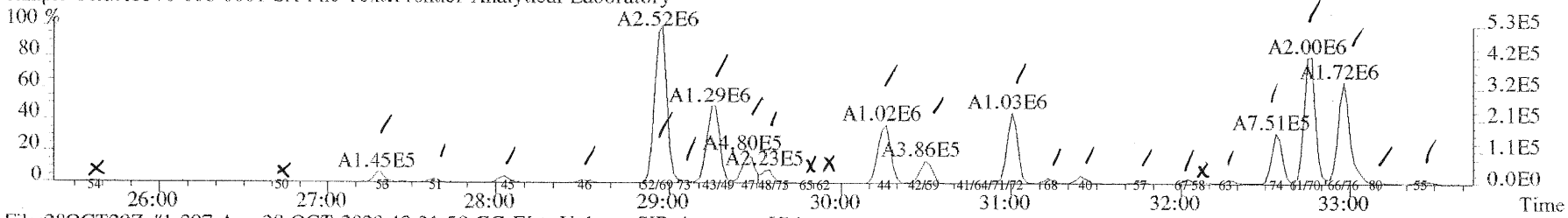
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



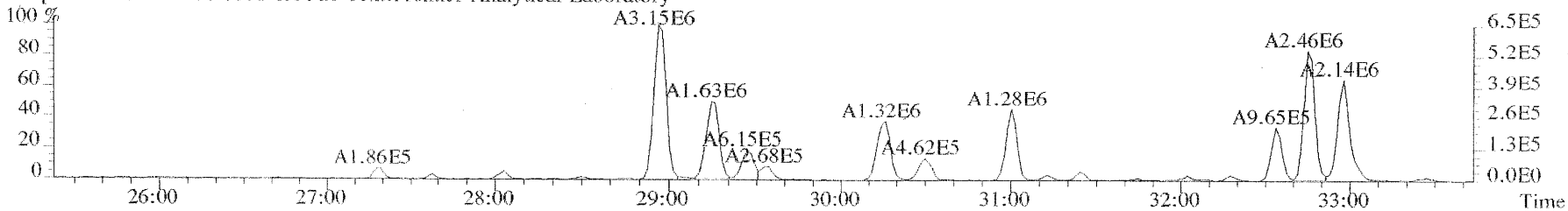
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



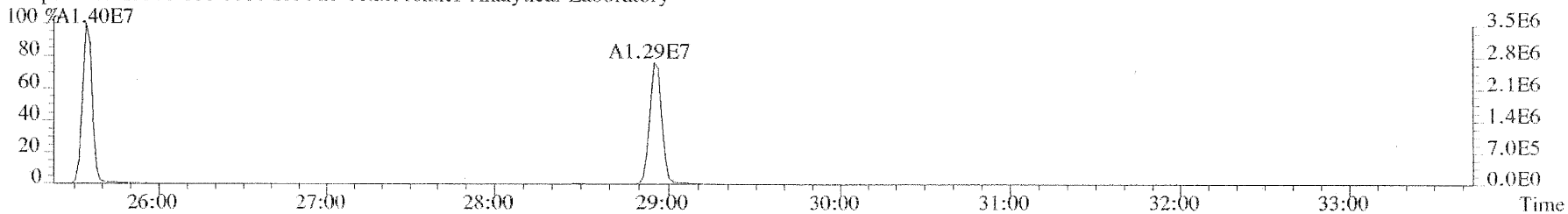
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



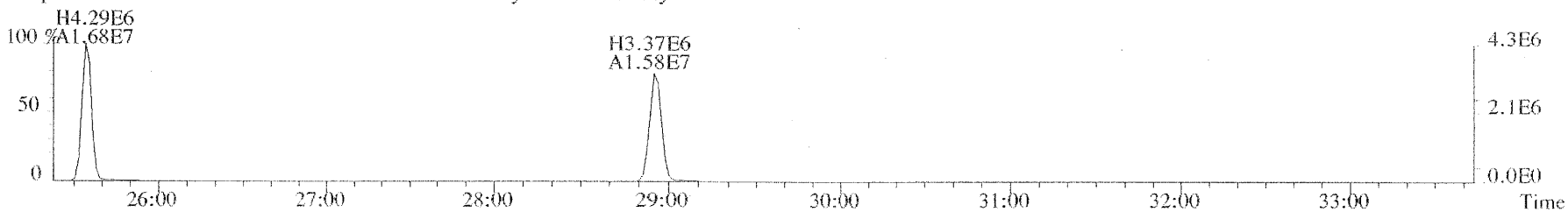
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



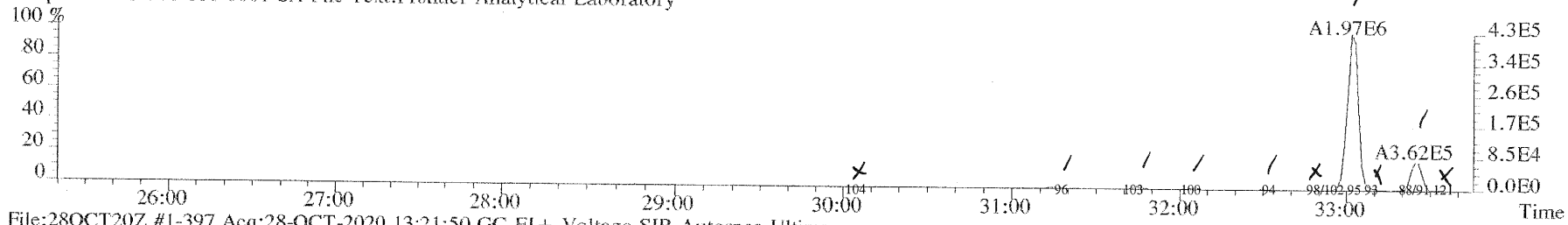
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



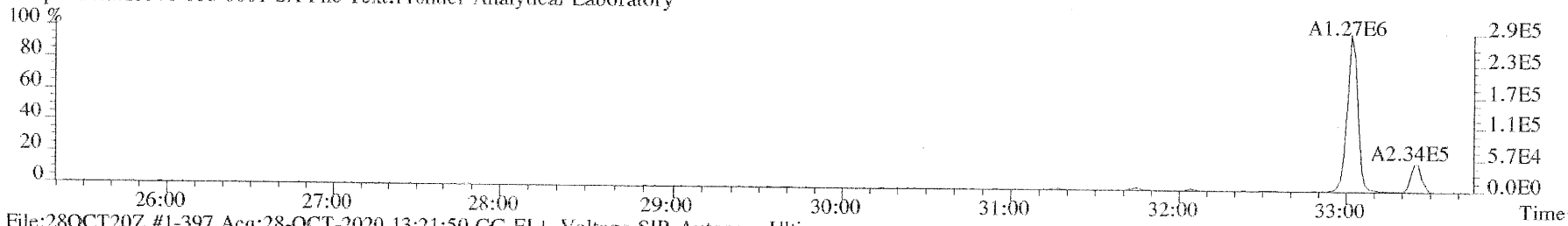
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



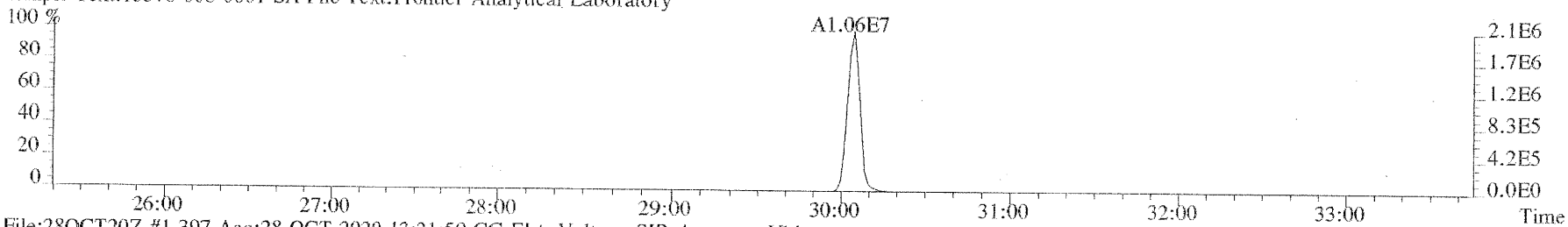
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



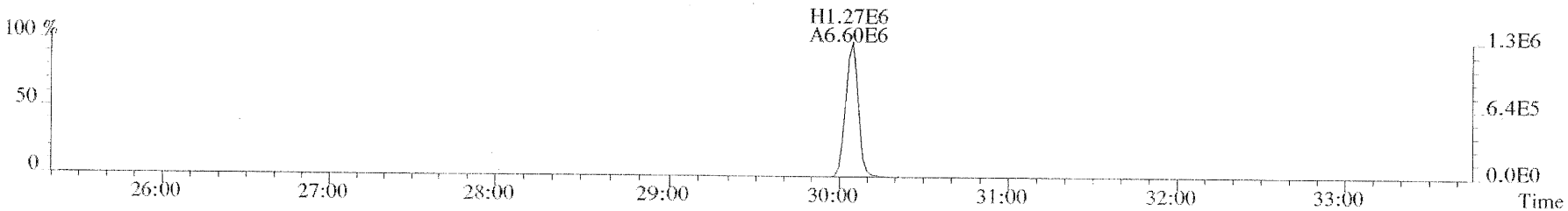
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



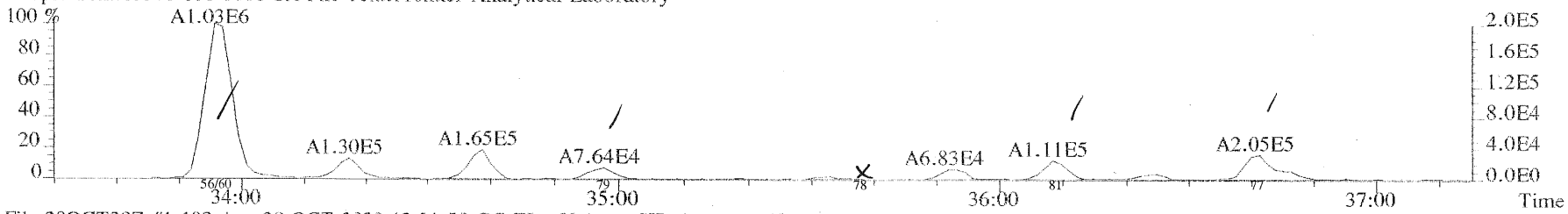
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



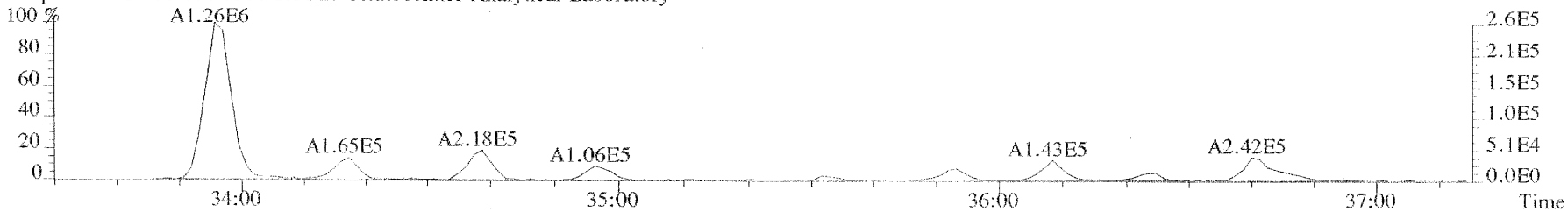
File:28OCT20Z #1-397 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



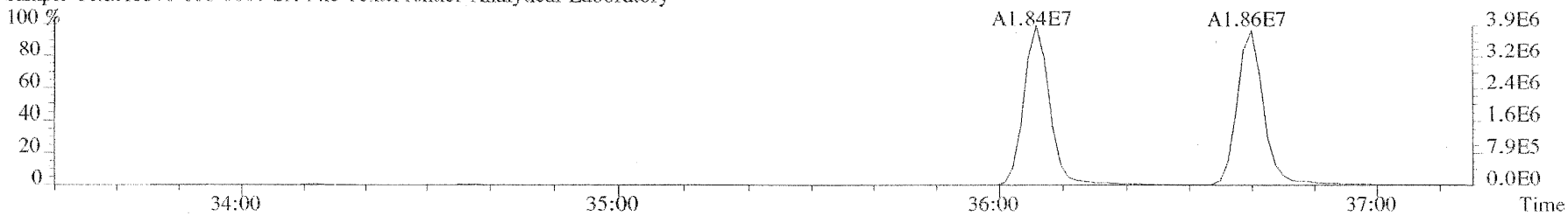
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



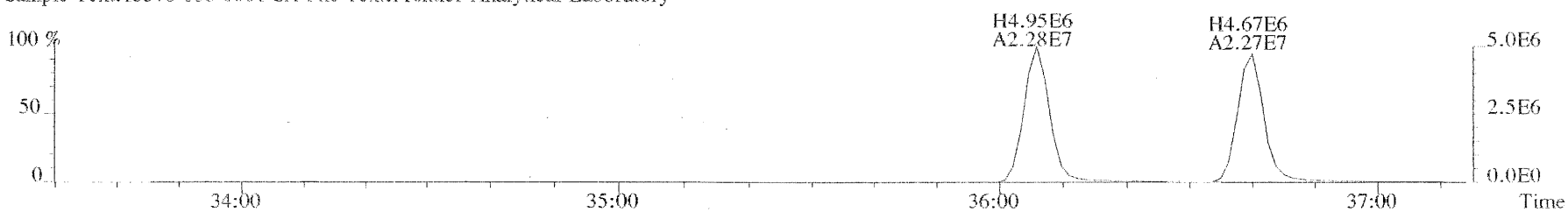
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



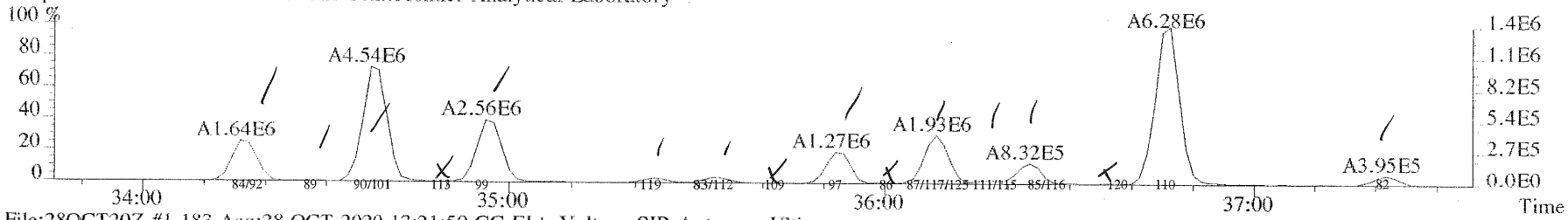
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



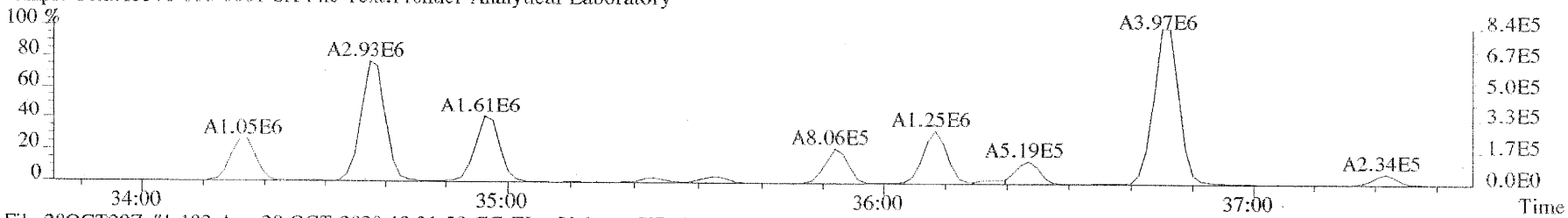
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



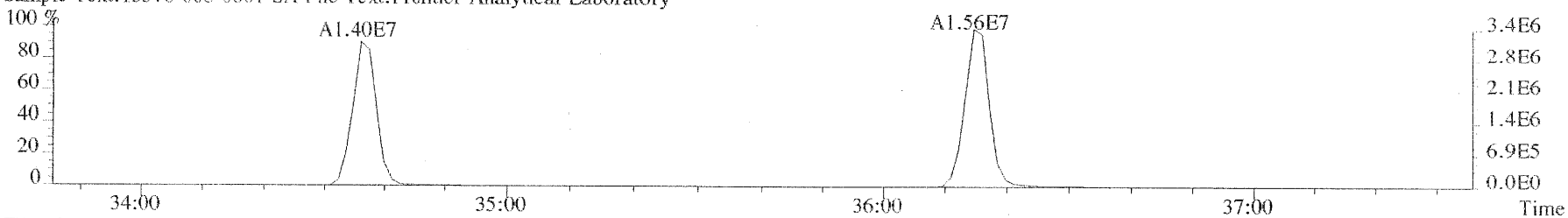
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



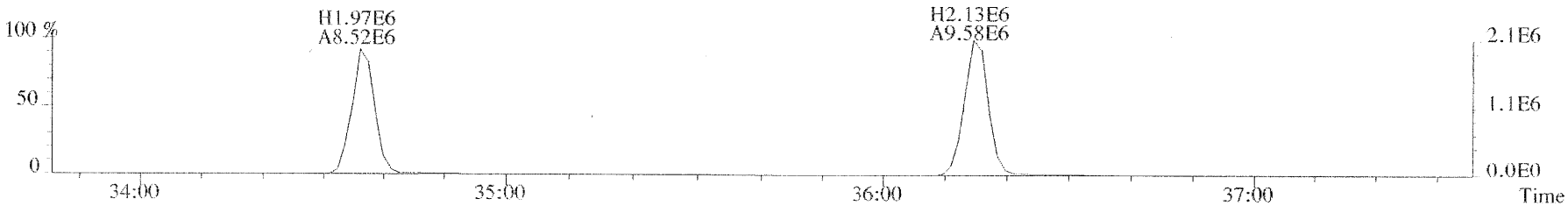
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



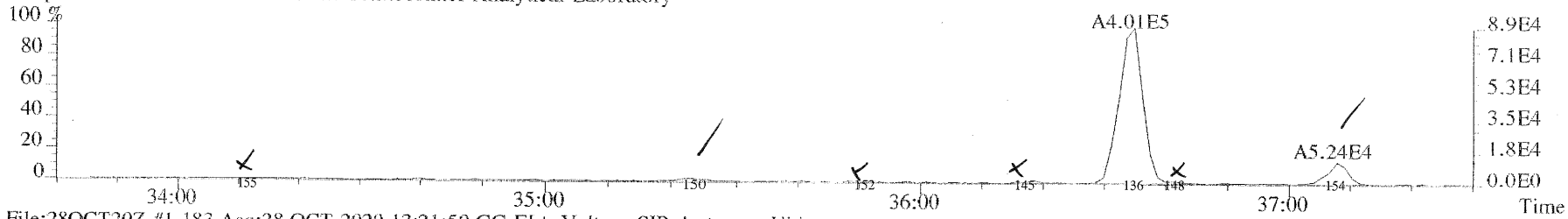
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



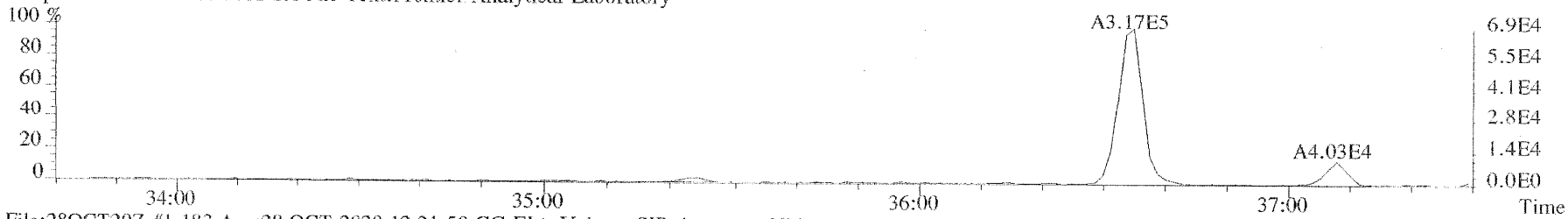
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



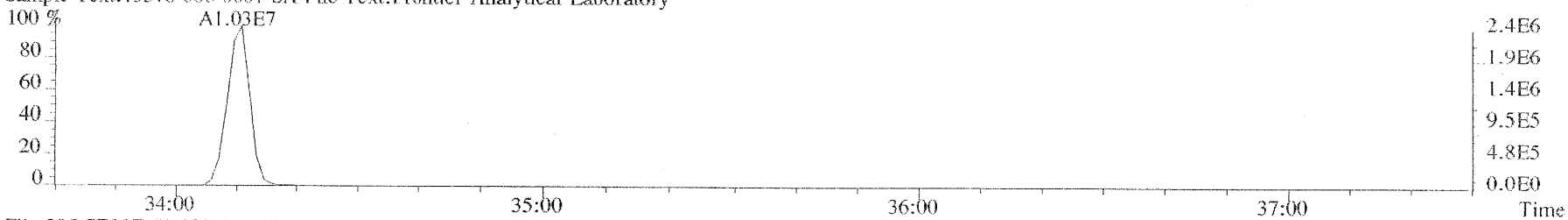
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



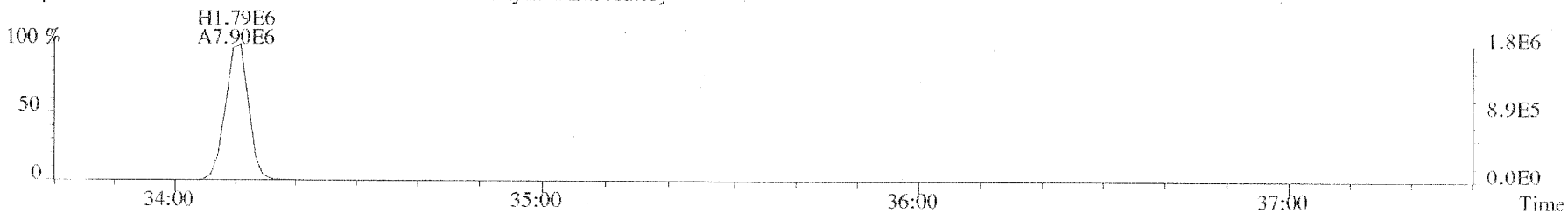
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



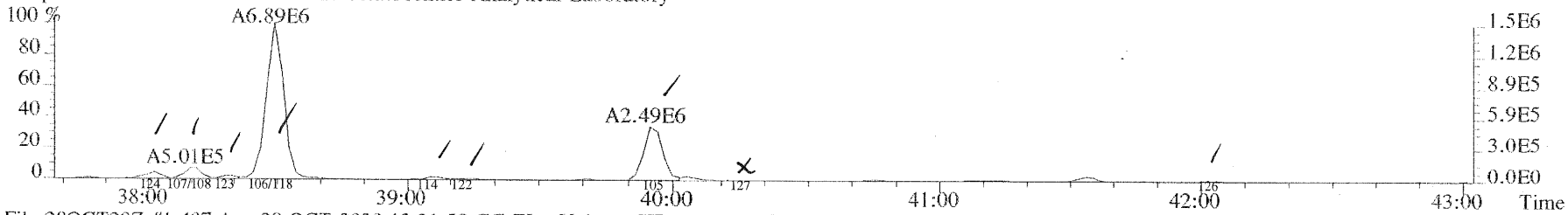
File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-183 Acq:28-OCT-2020 13:21:50 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:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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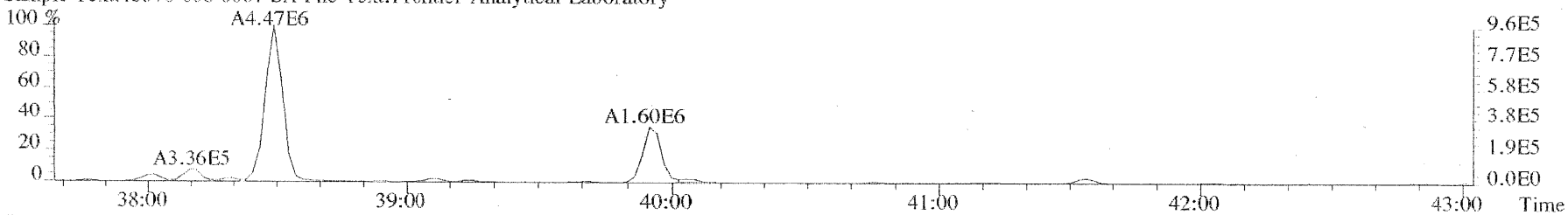
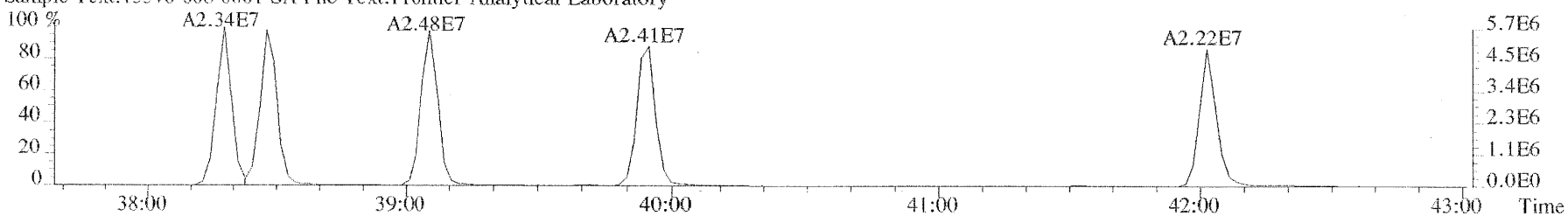
327.8775 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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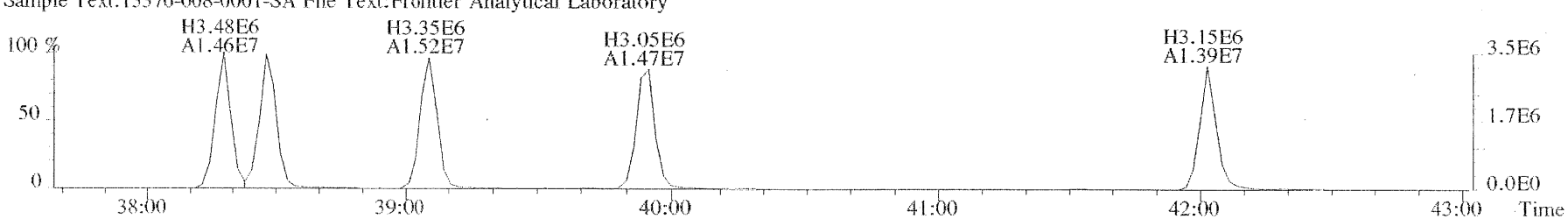
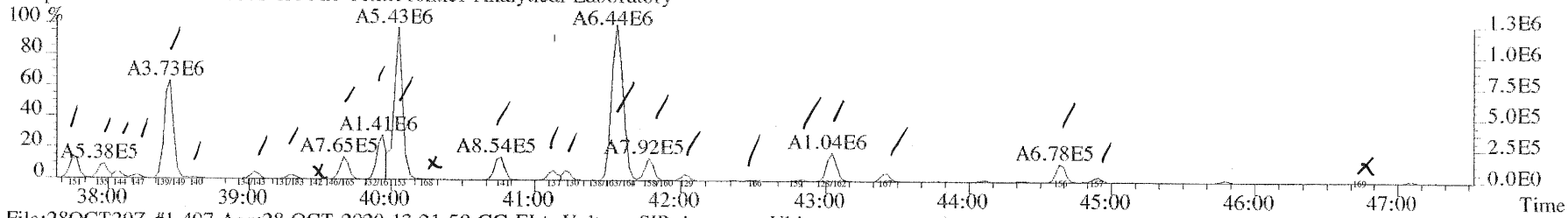
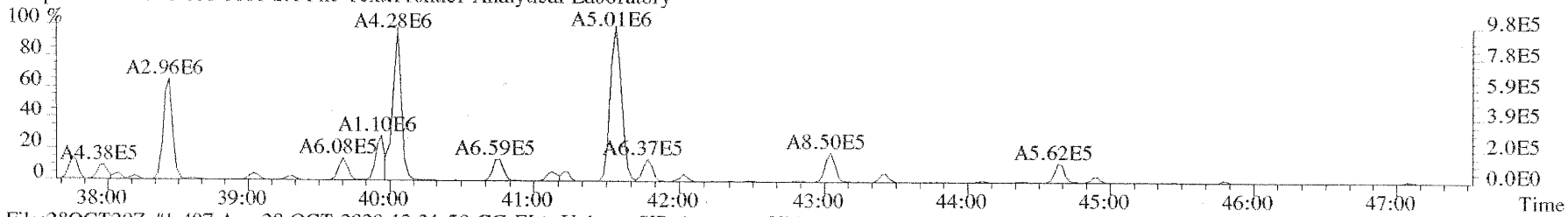
339.9178 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



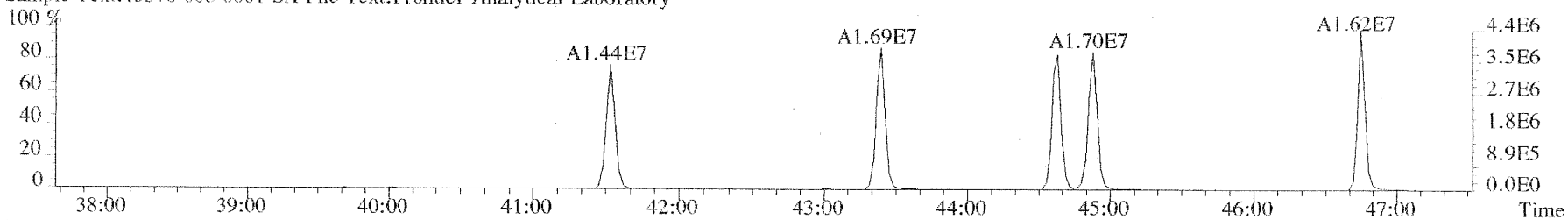
File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



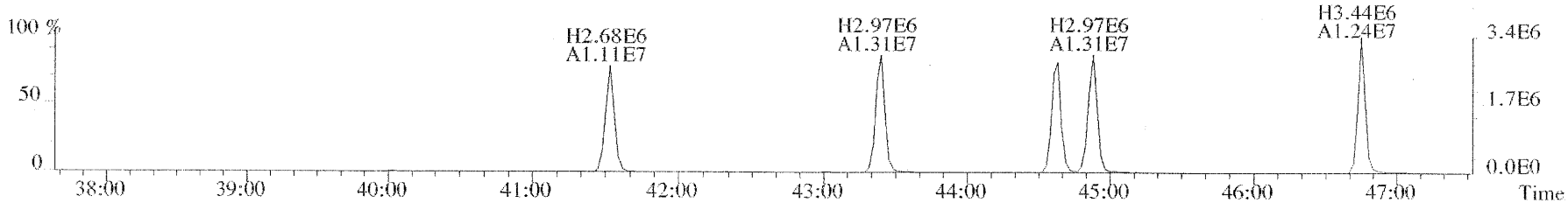
File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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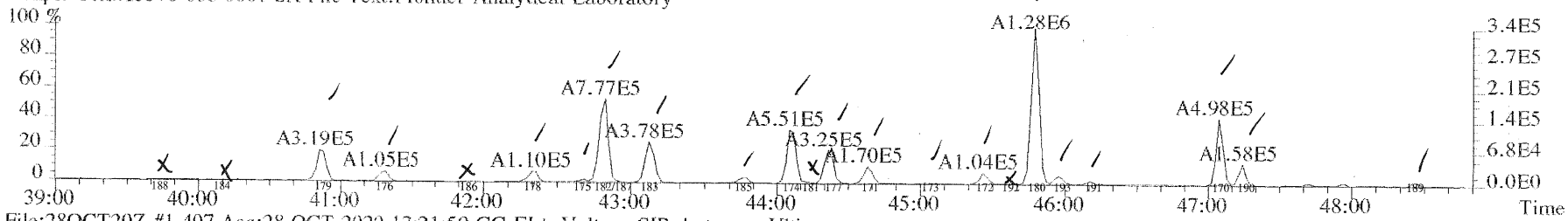
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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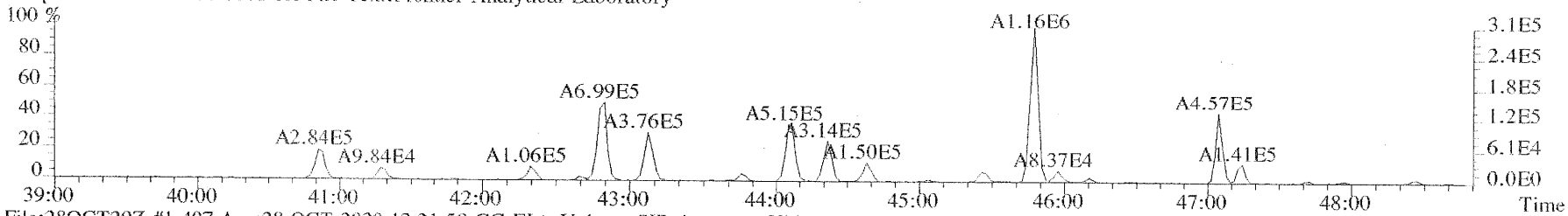
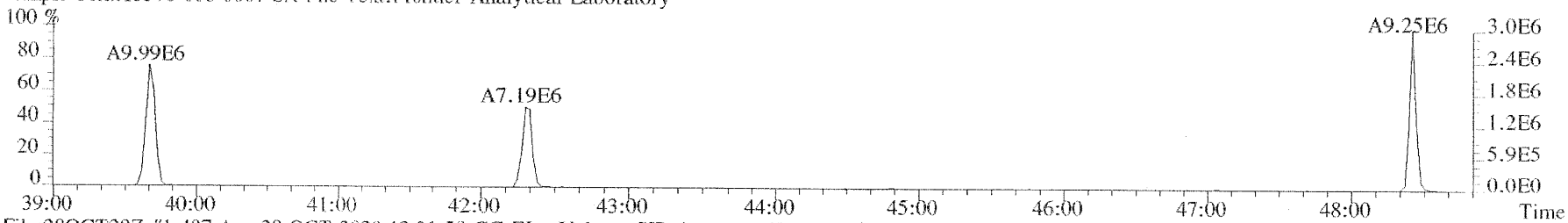
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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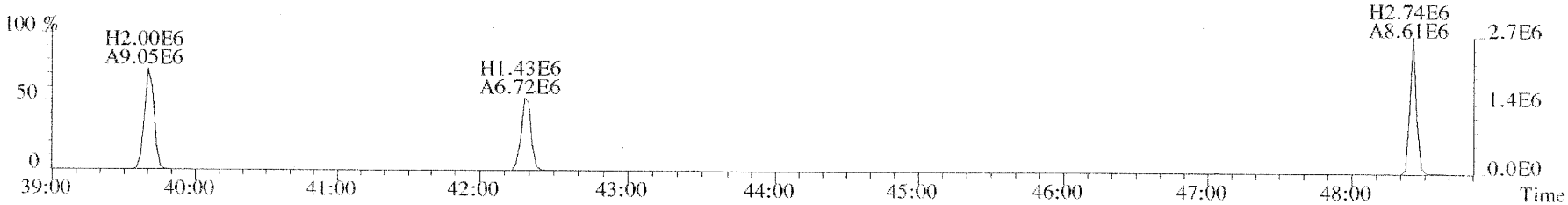
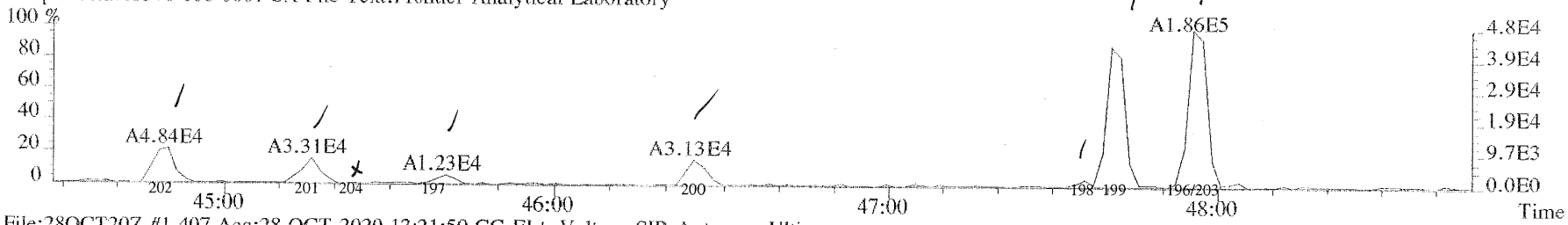
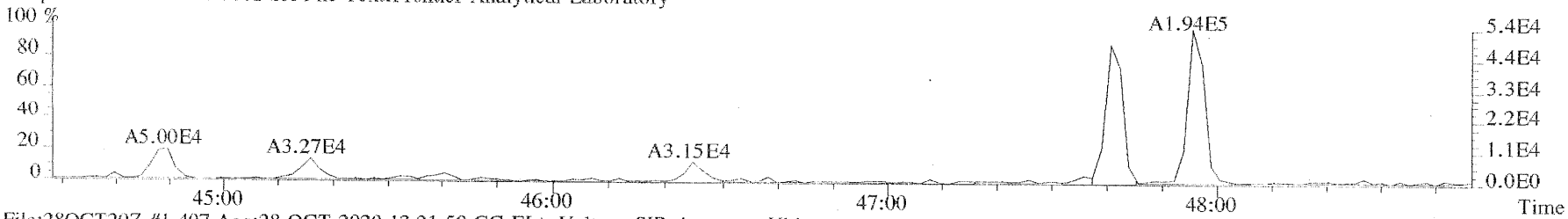
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



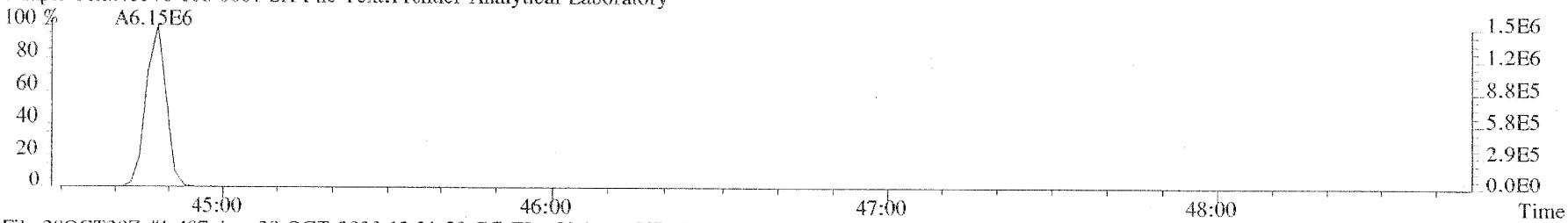
File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



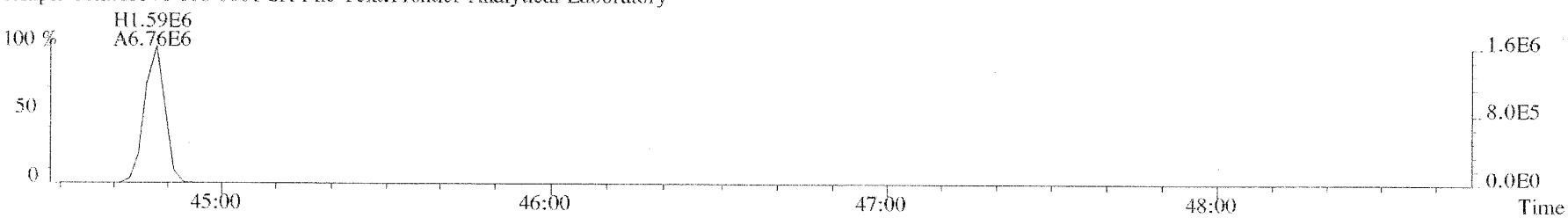
File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



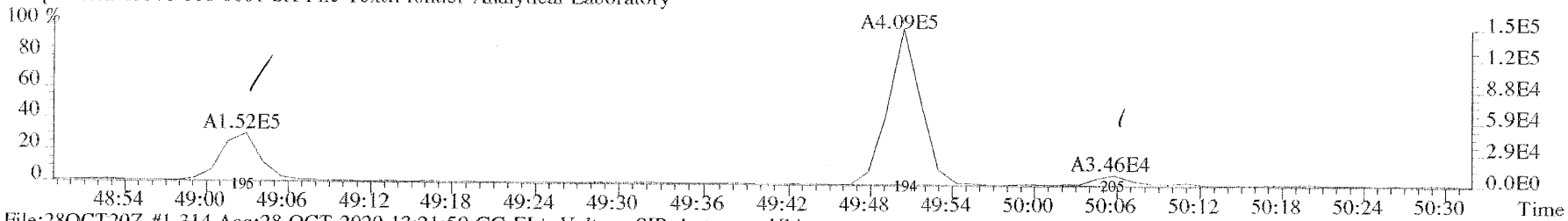
File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 13:21:50 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:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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429.7606 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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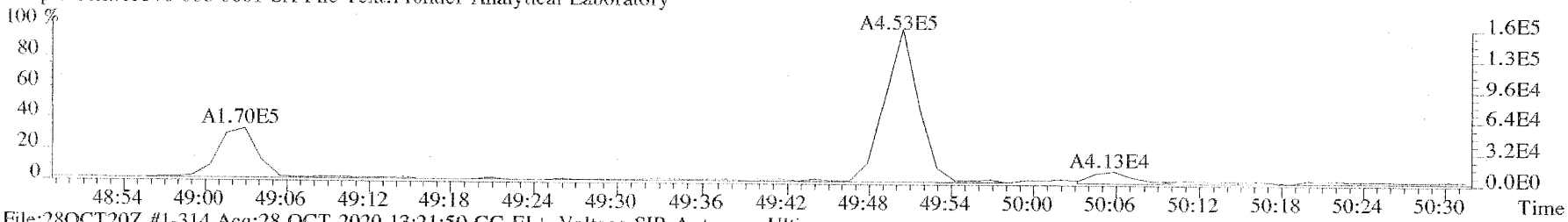

File:28OCT20Z #1-314 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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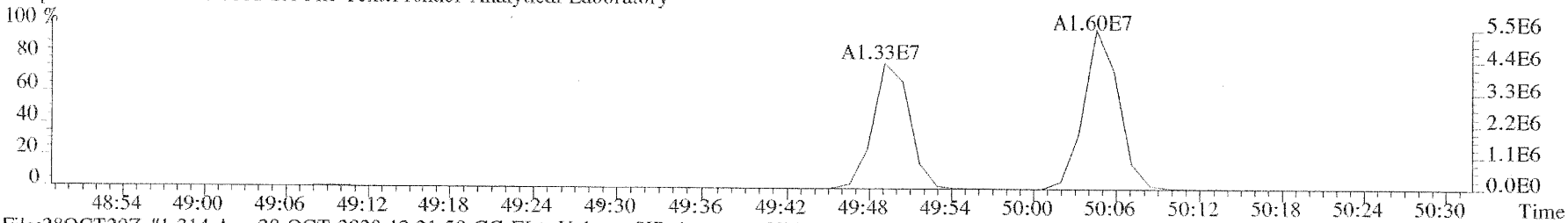

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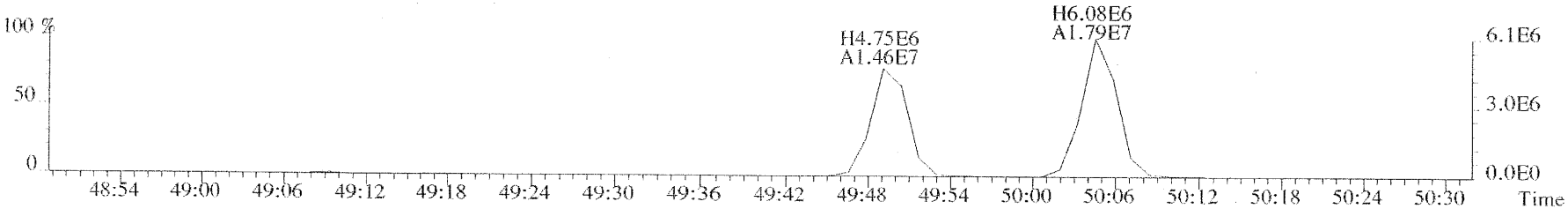

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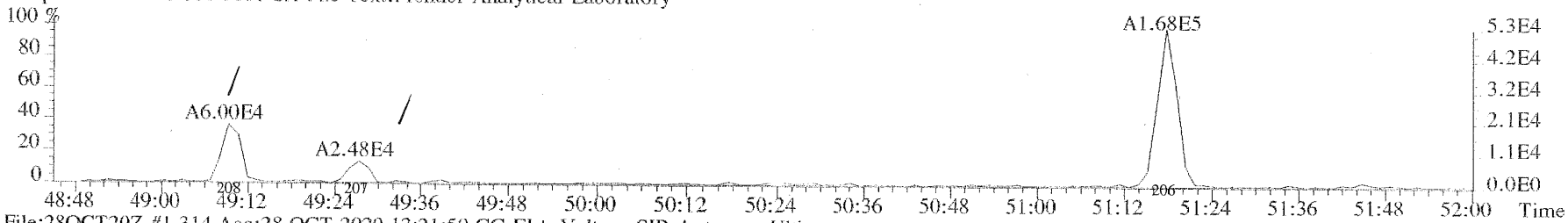

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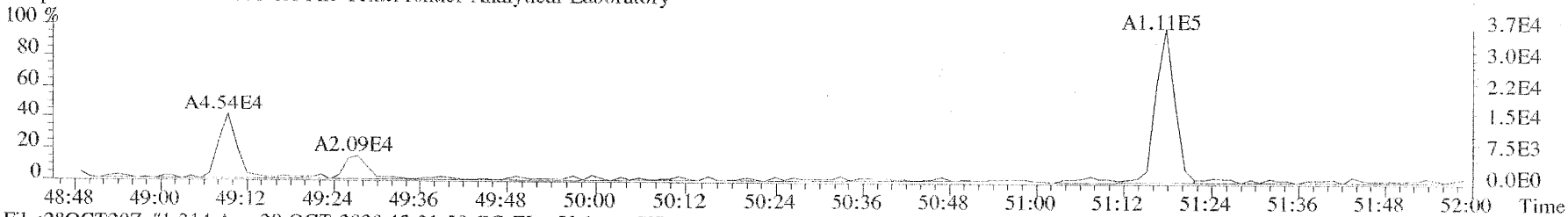
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



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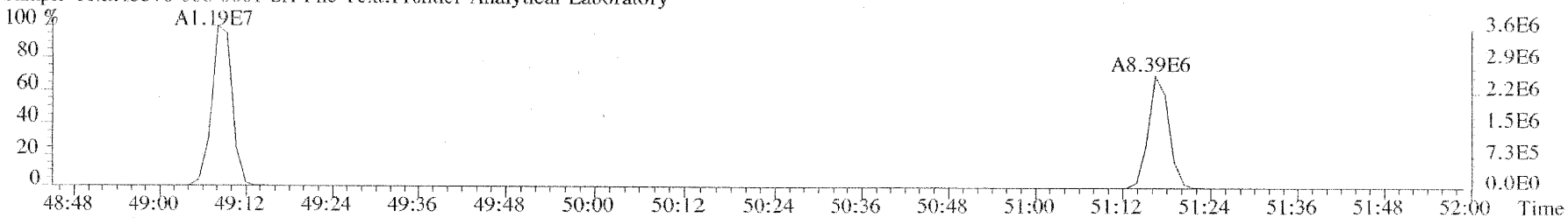
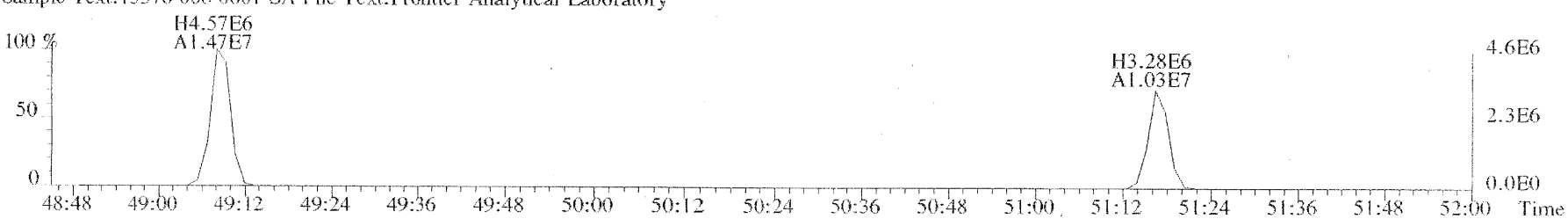
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 13:21:50 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:13376-008-0001-SA File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-314 Acq:28-OCT-2020 13:21:50 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
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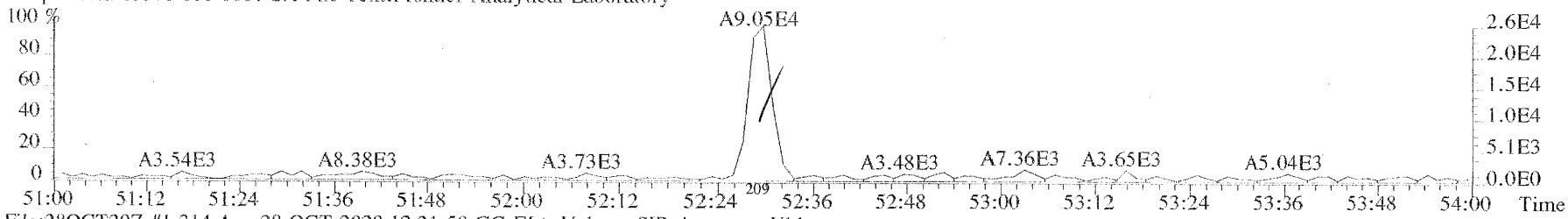

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499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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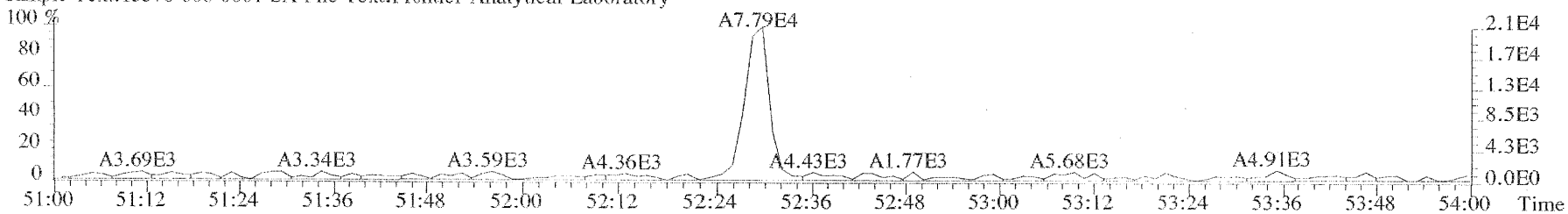

File:28OCT20Z #1-314 Acq:28-OCT-2020 13:21:50 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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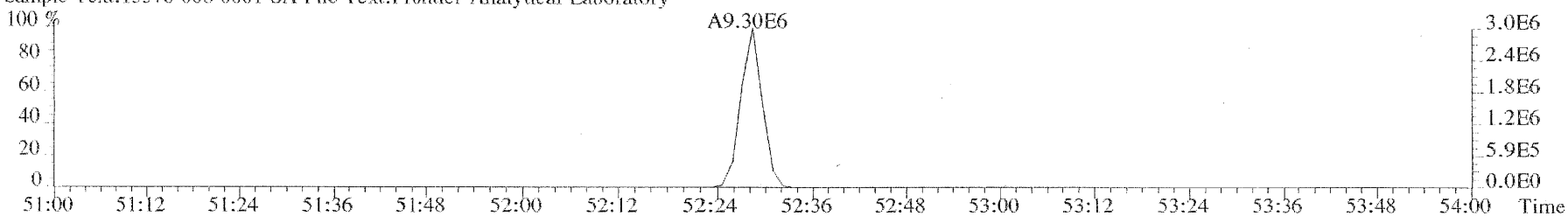

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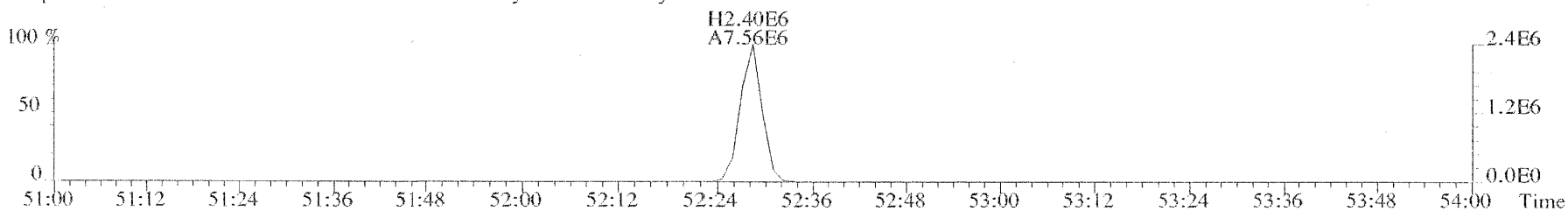


Frontier Analytical Laboratory

Data Filename: 22JUL20Z

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

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

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

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

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

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

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

Analyst: _____ Date: 7/28/20

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: _____ Date: 7/22/20

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

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

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: [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				

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

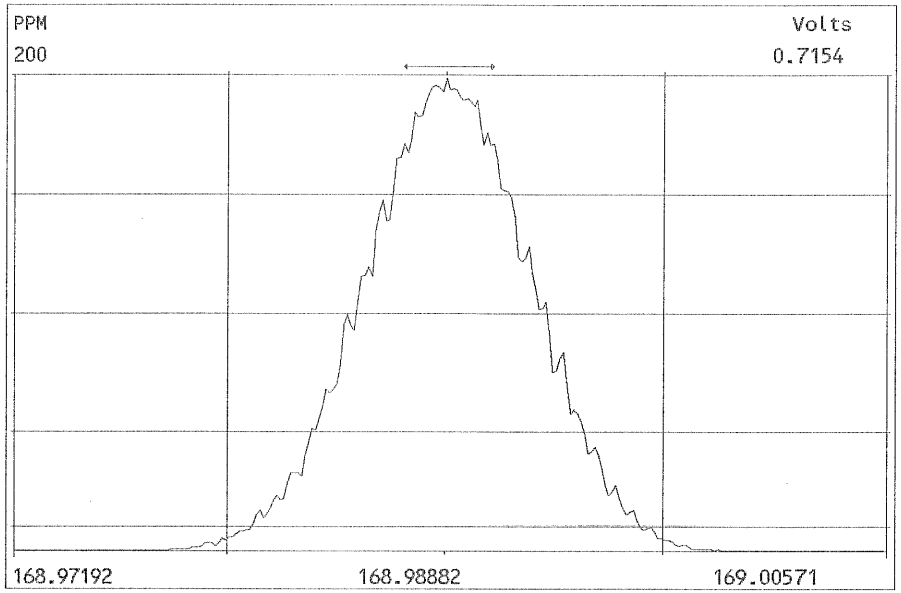
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399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

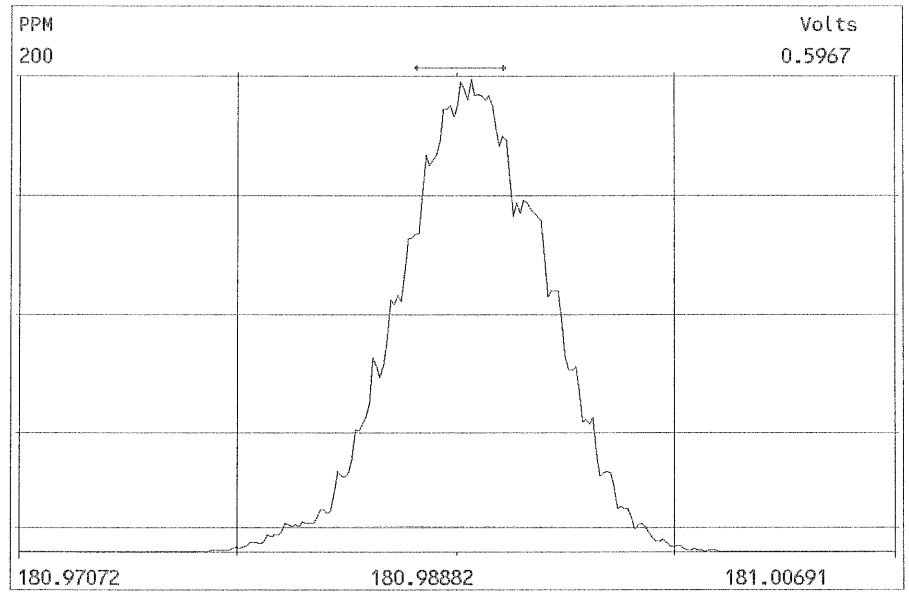
7/28/20

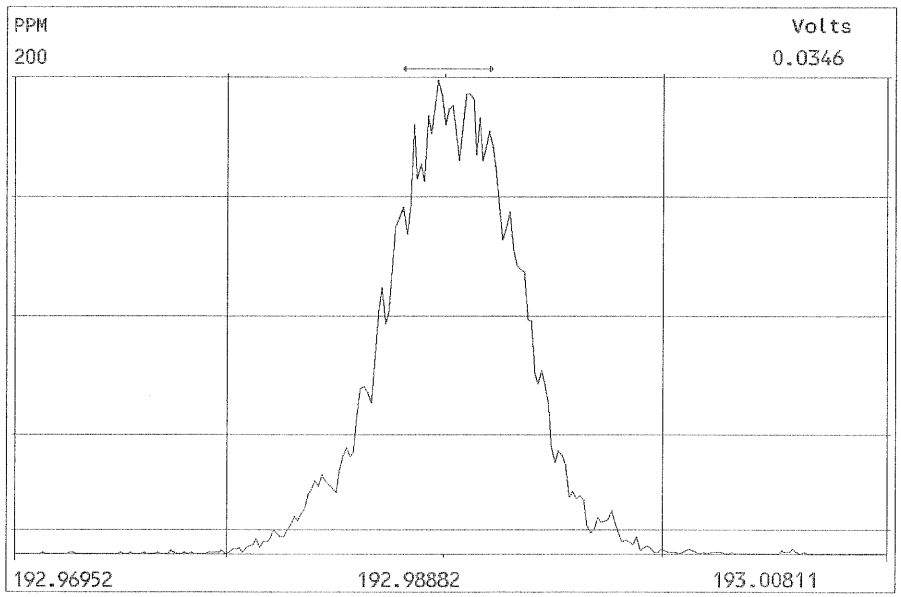
Data Backed Up:_____

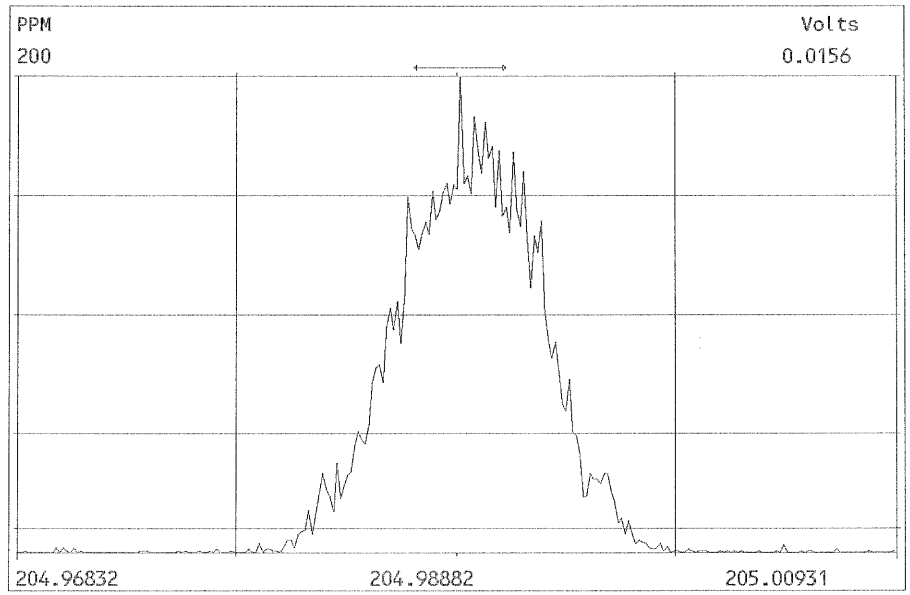
Date:_____

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

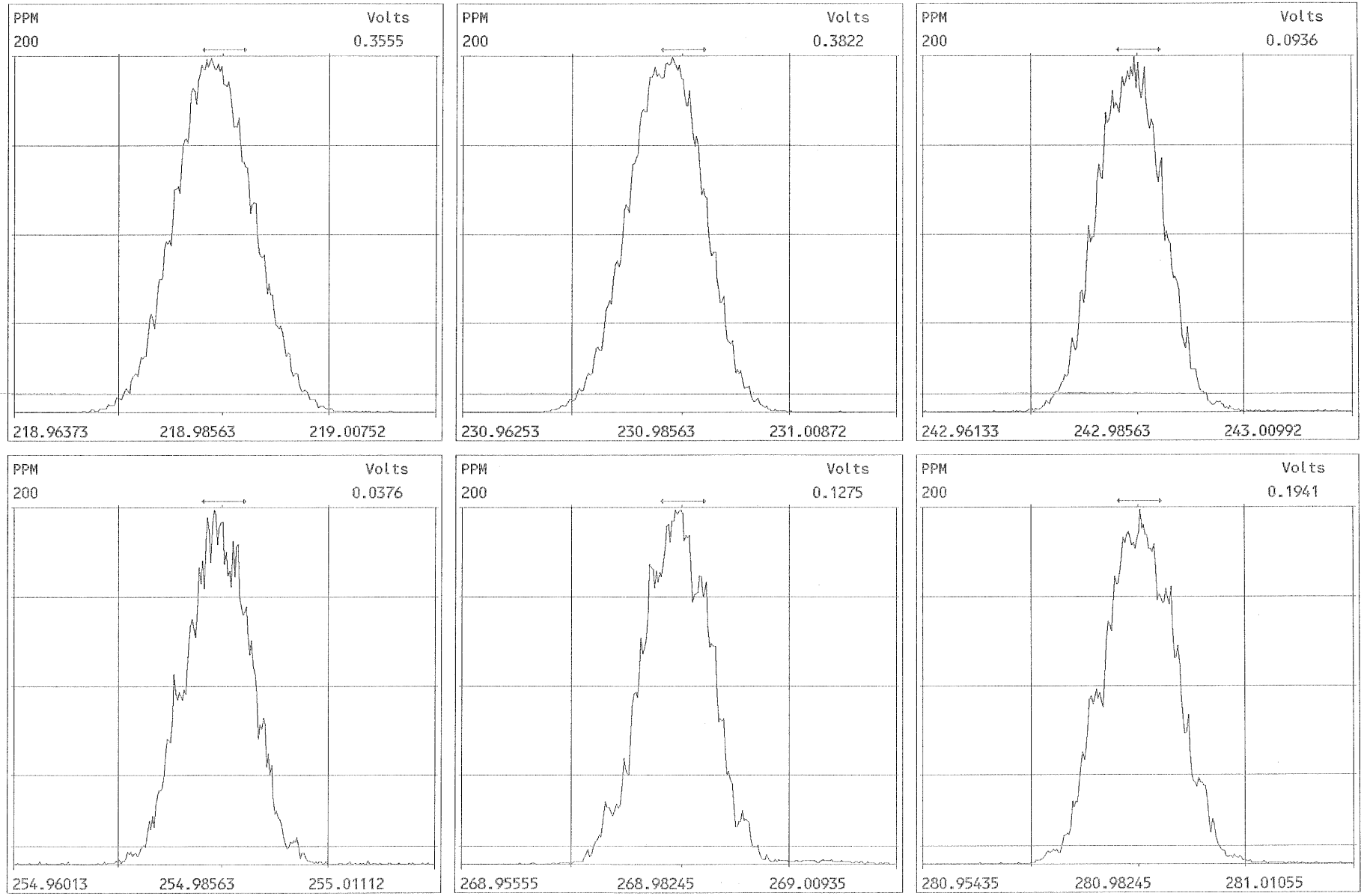




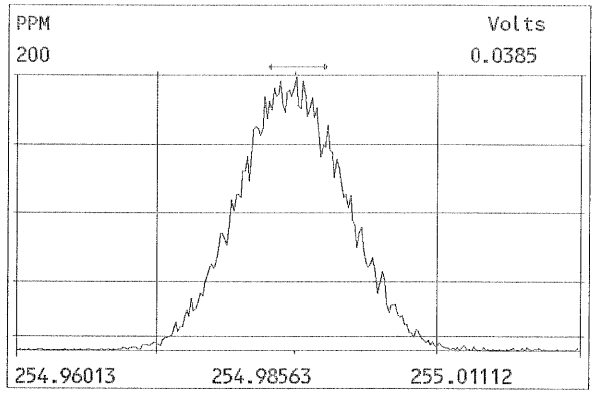


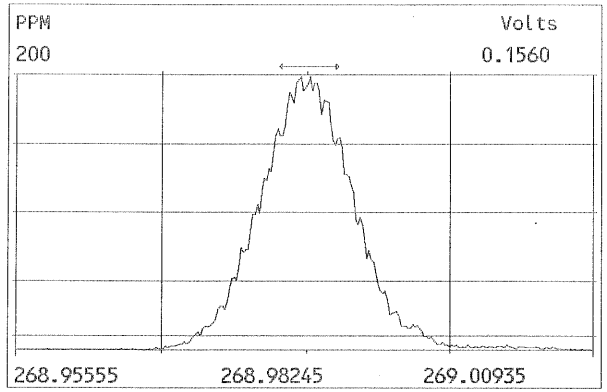


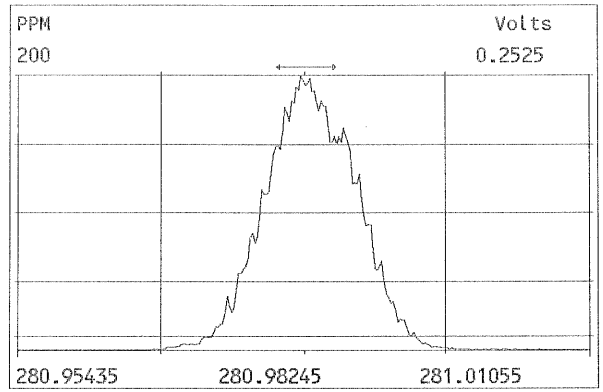
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

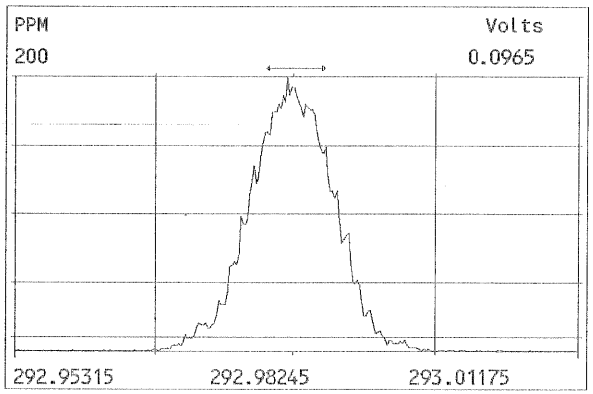


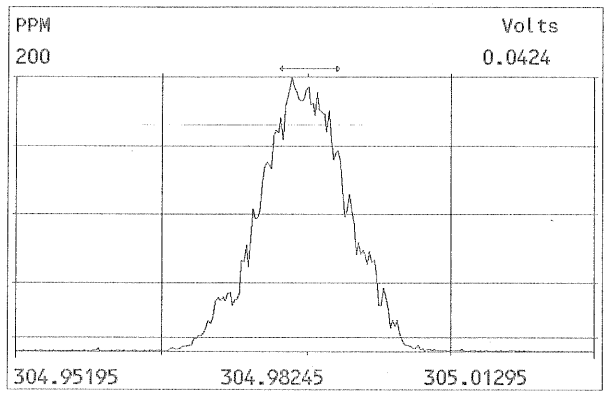
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

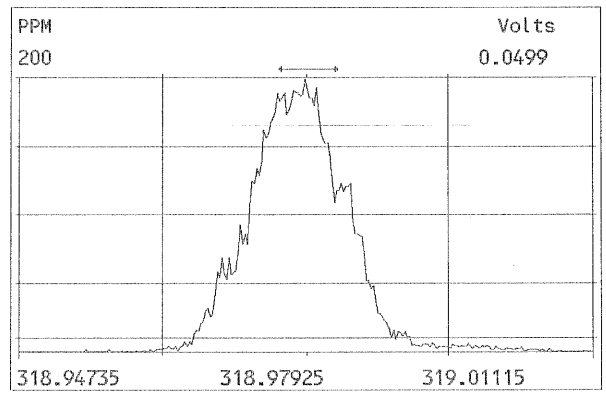


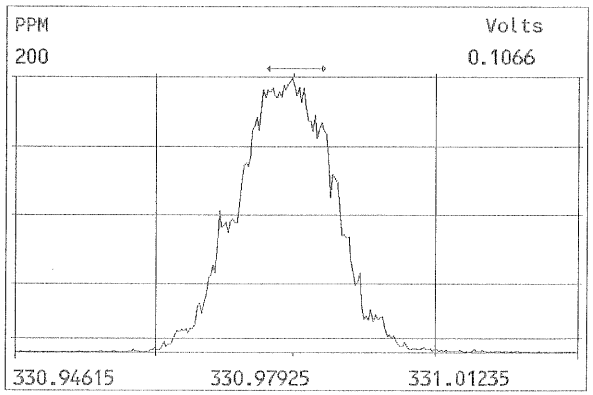


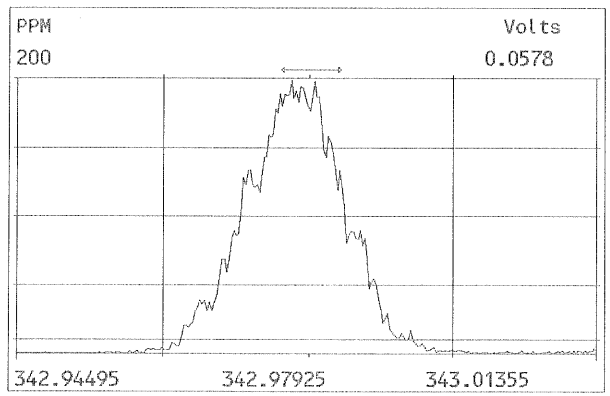




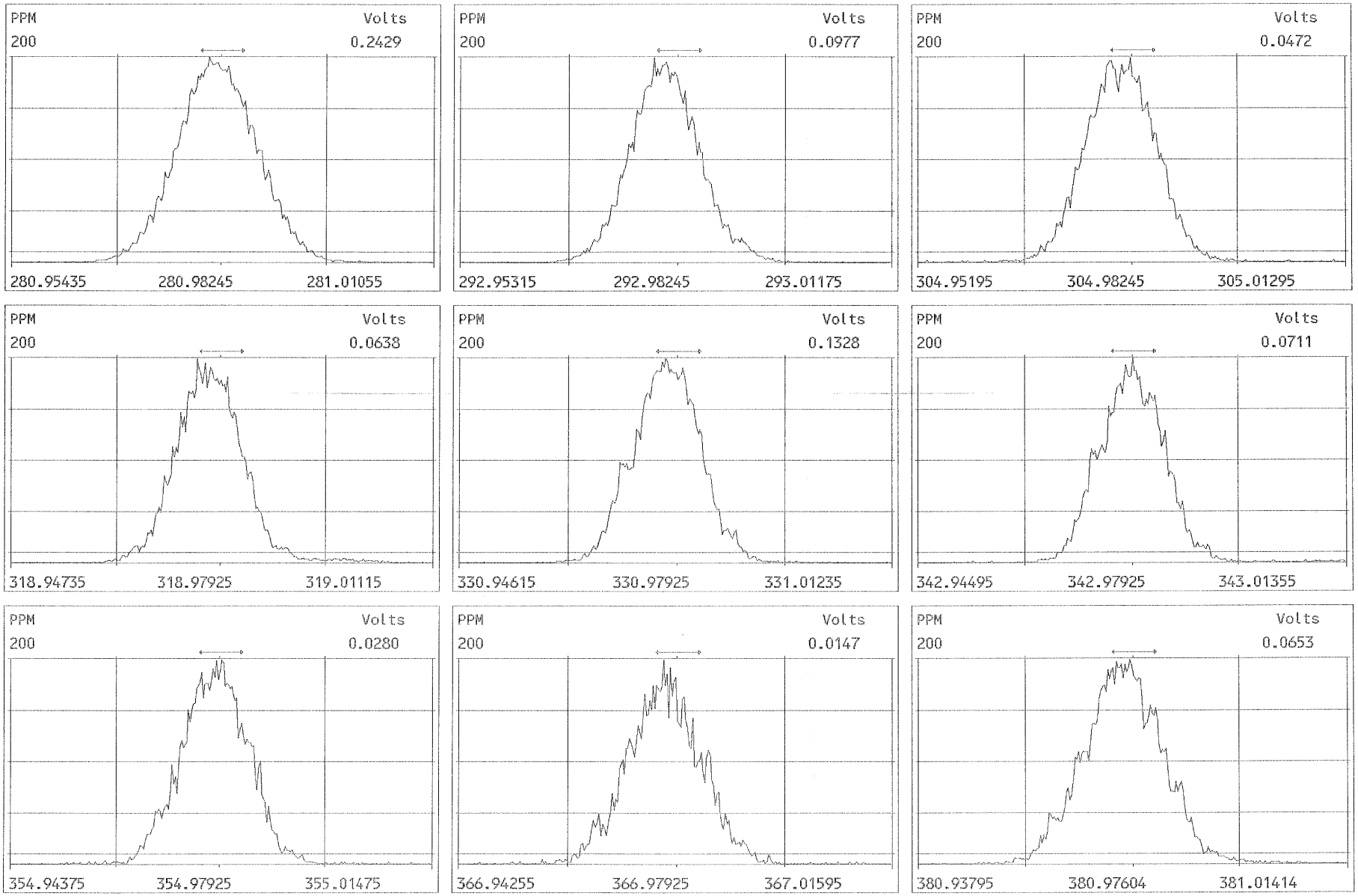




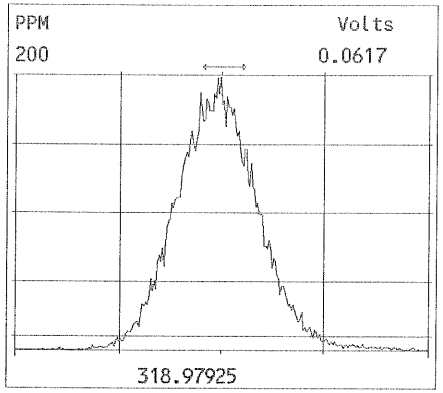


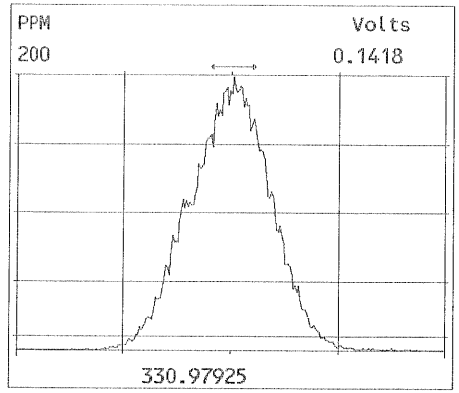


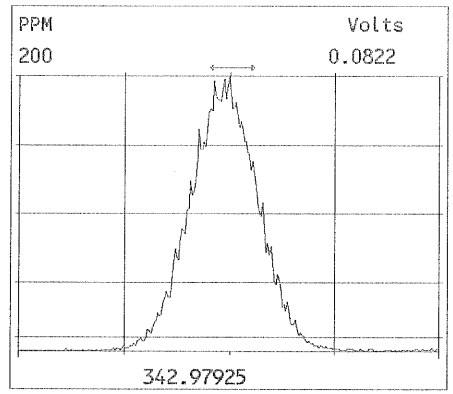
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

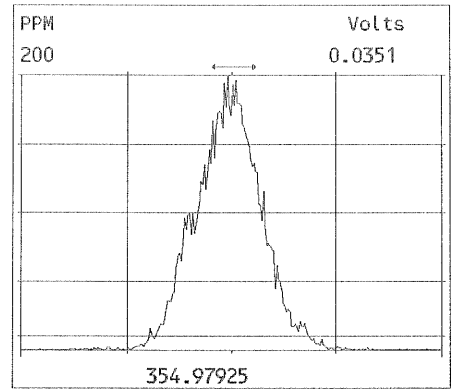


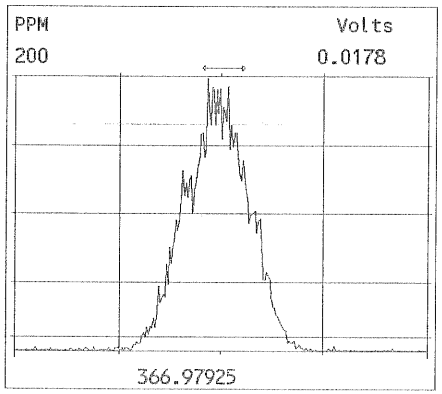
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

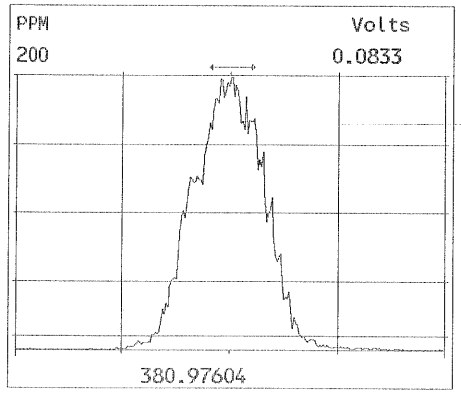


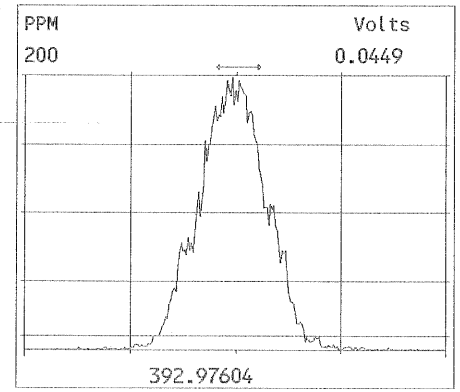


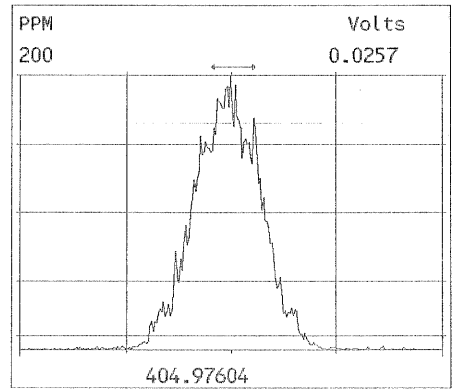


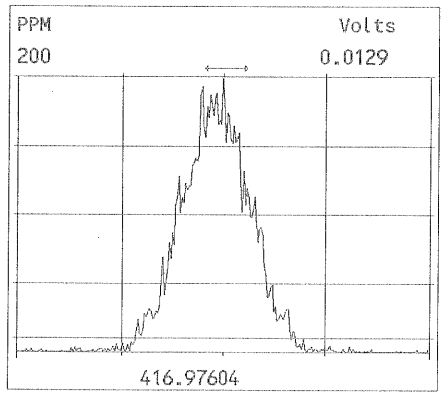


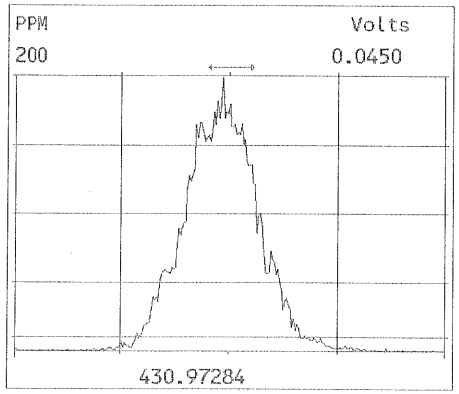


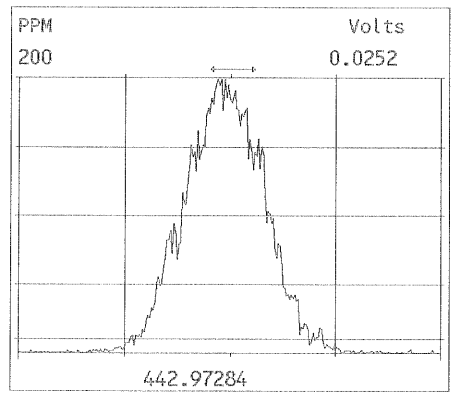




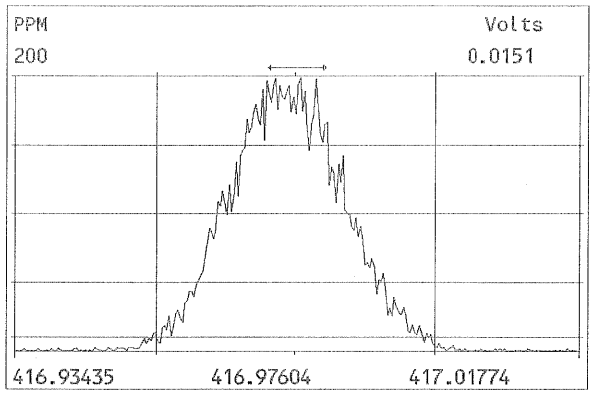


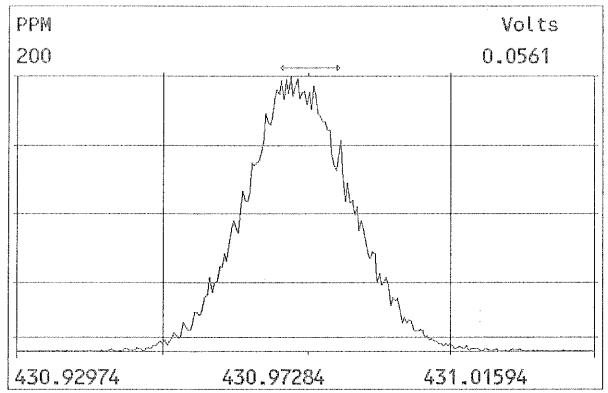


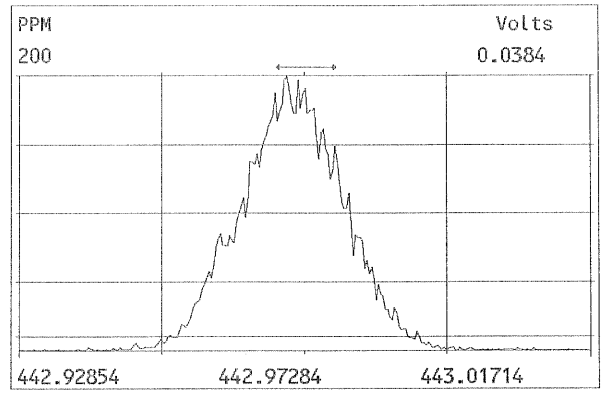


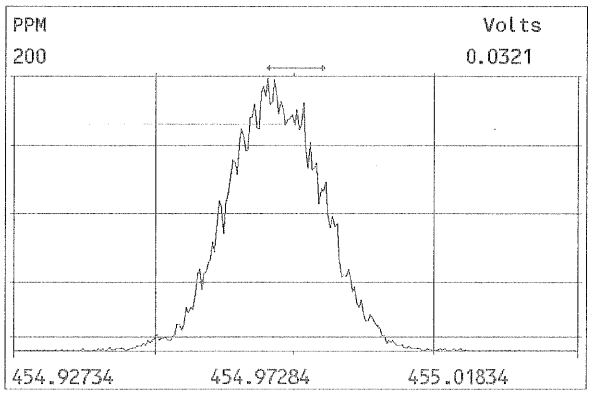


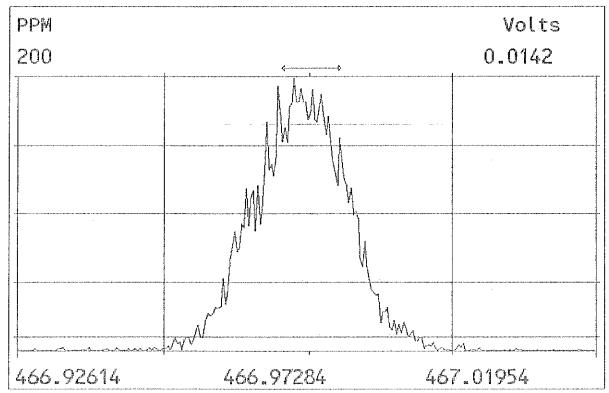
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

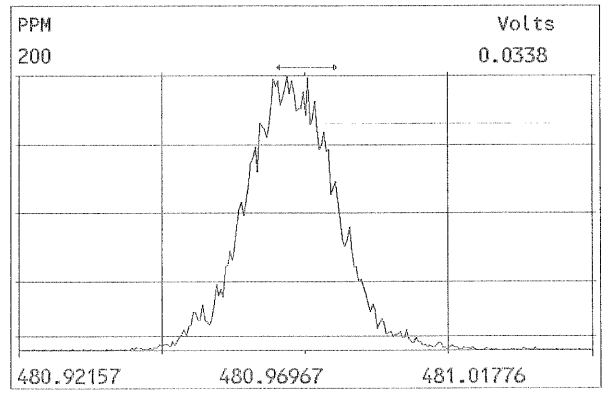


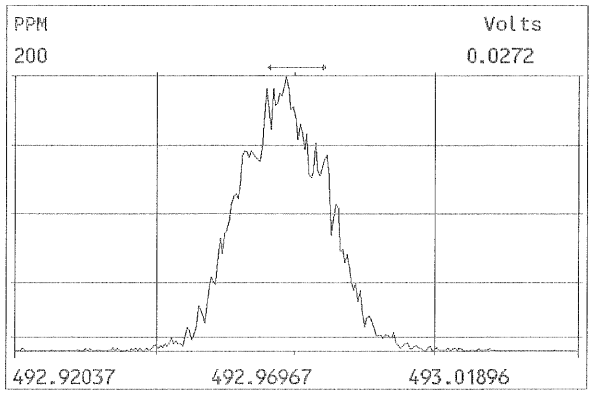


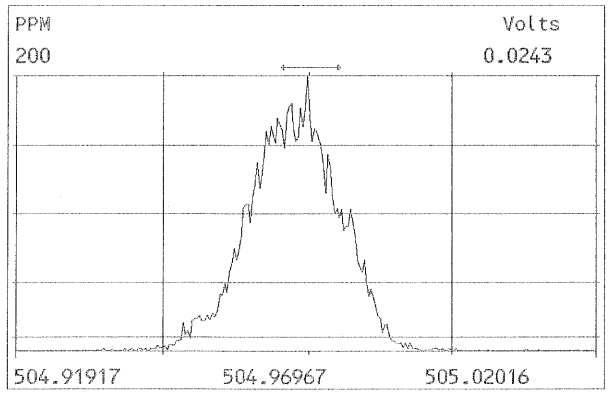


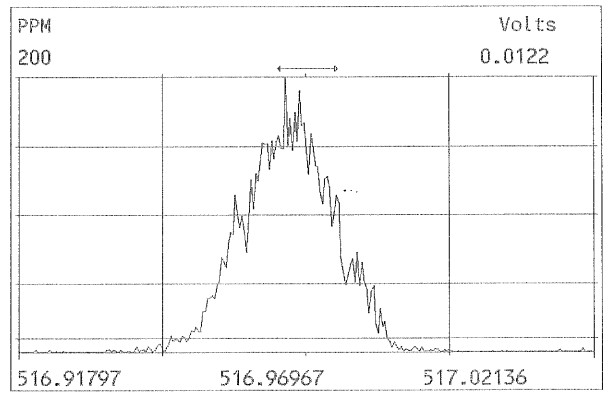




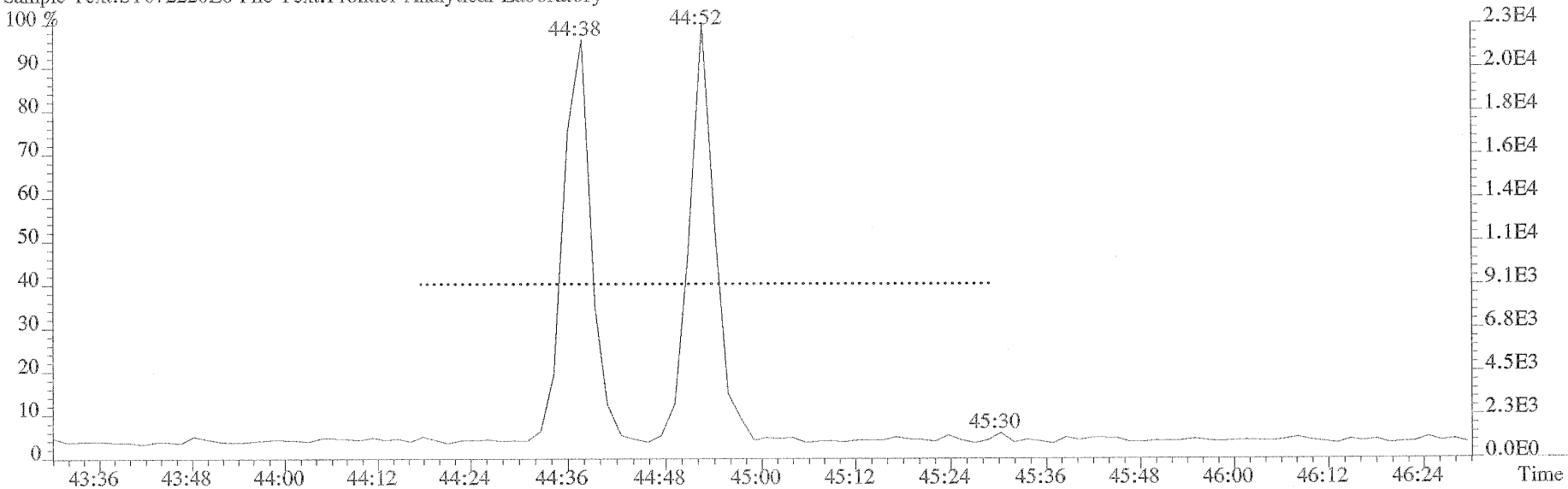




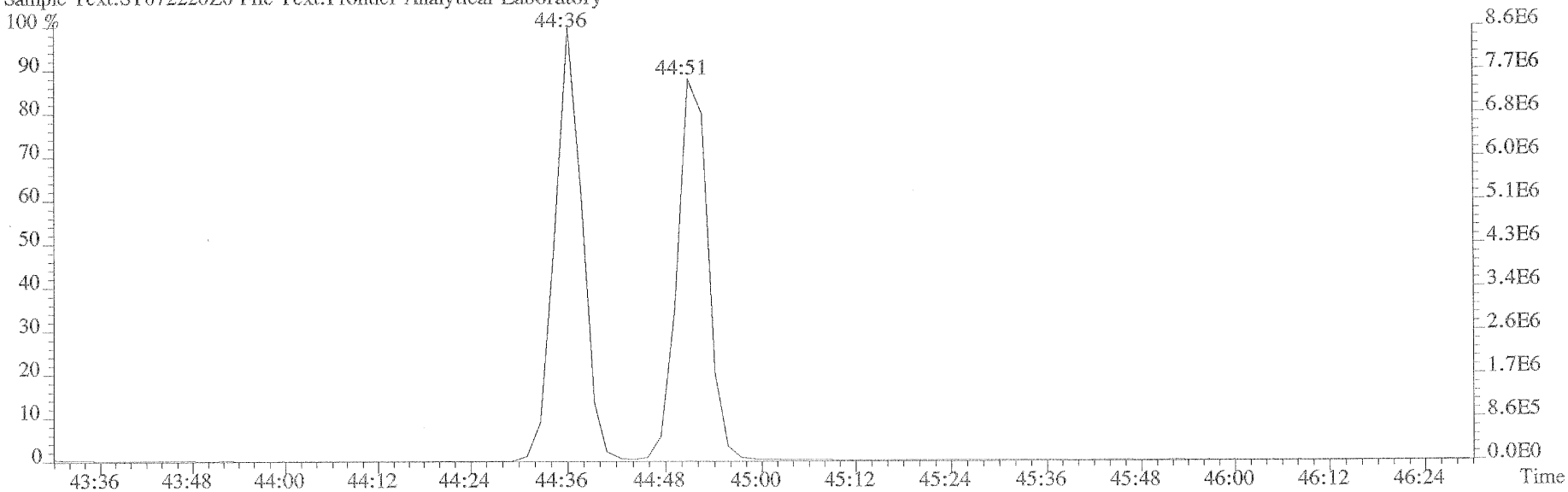




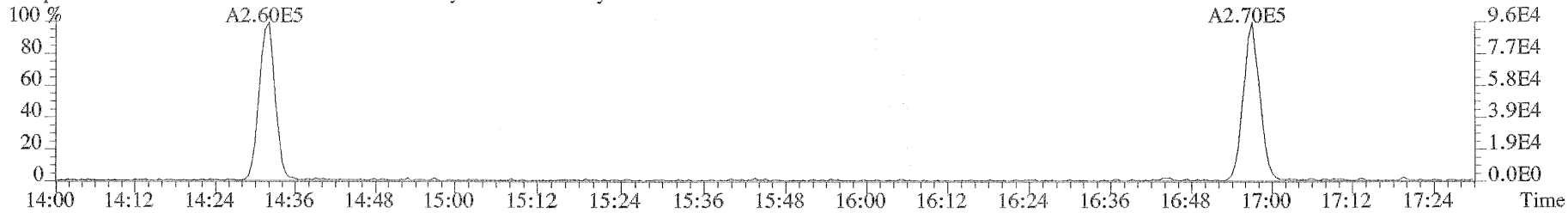
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



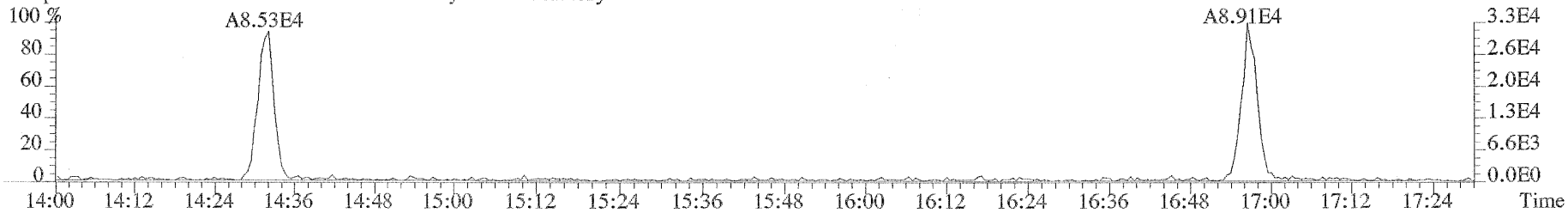
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



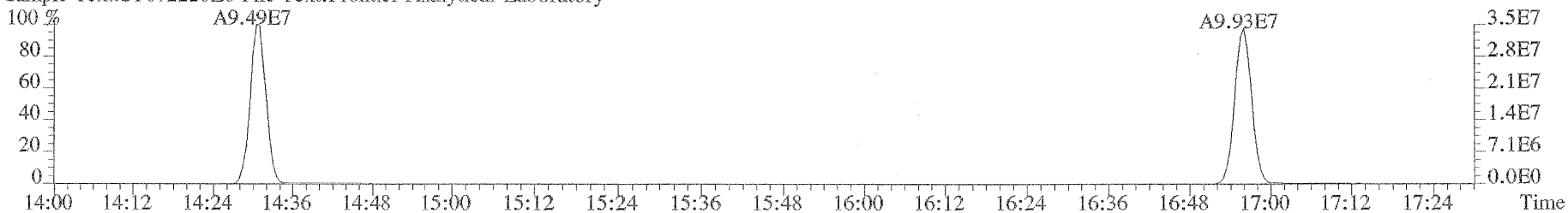
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



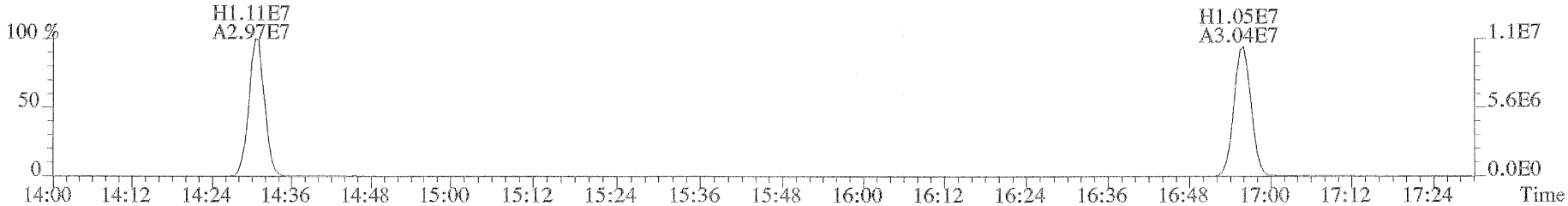
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



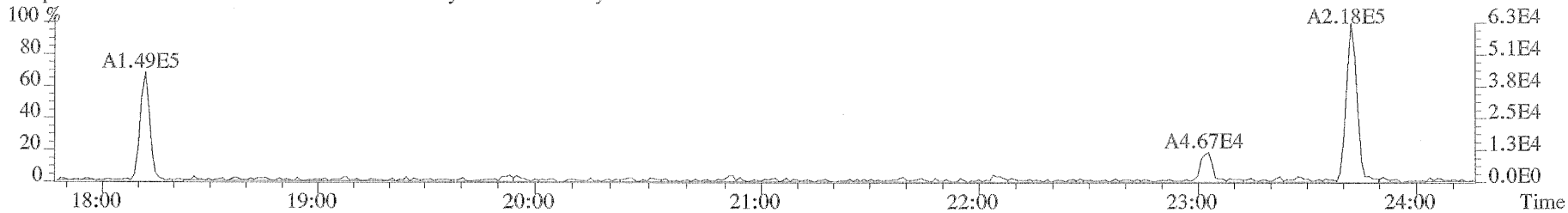
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



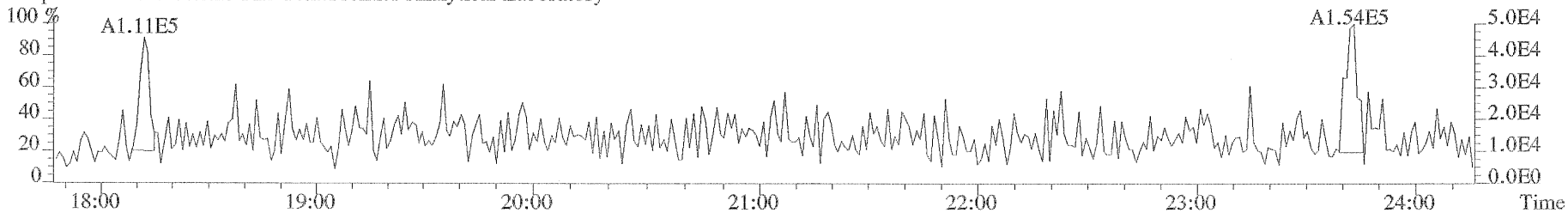
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



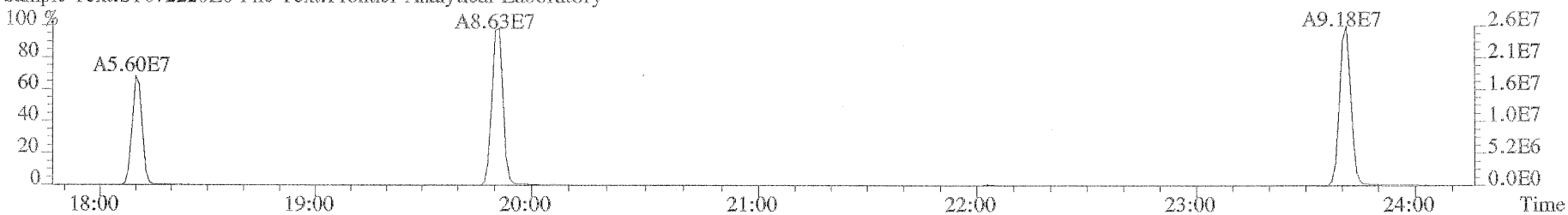
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



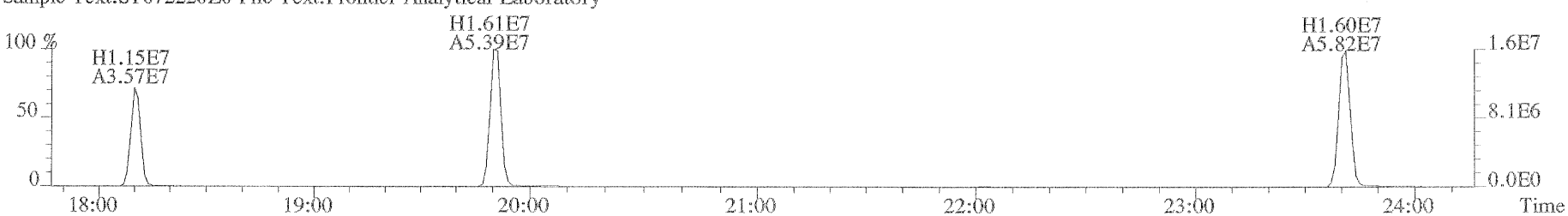
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



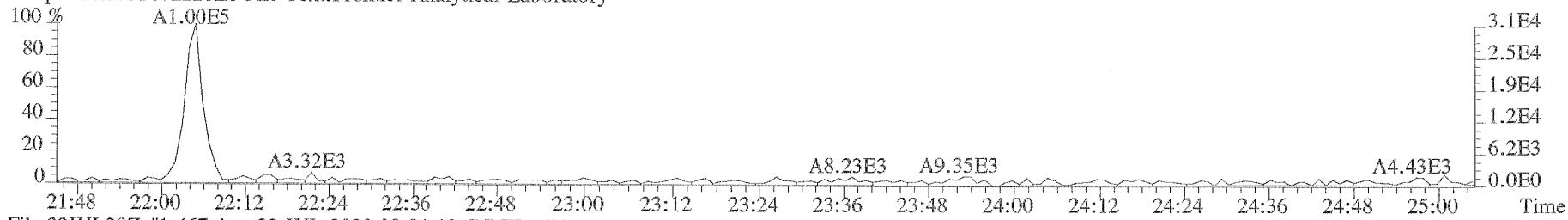
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



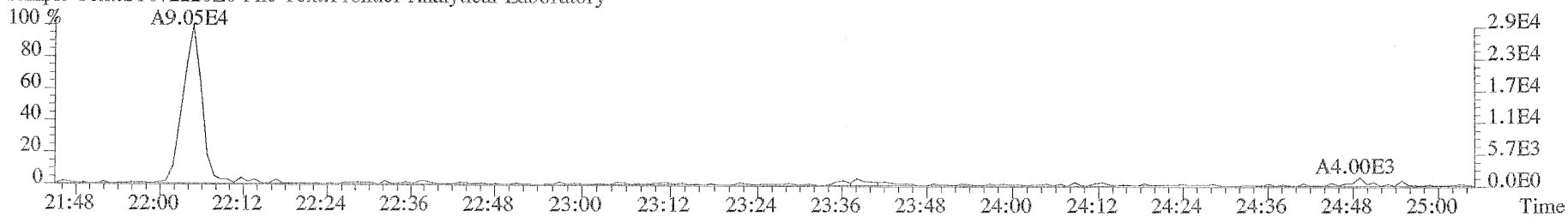
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



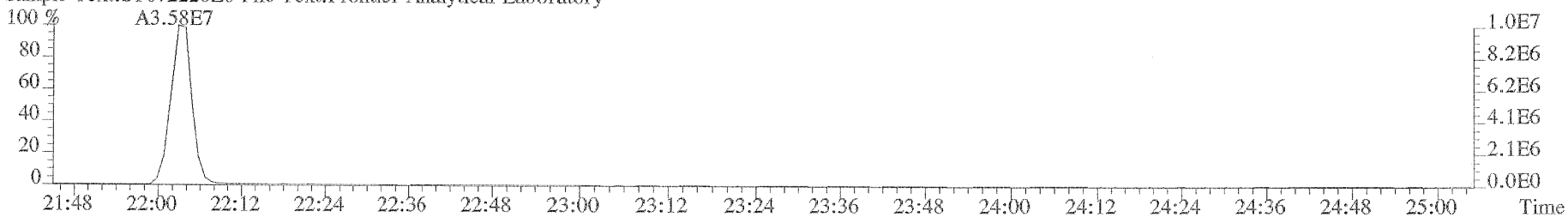
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



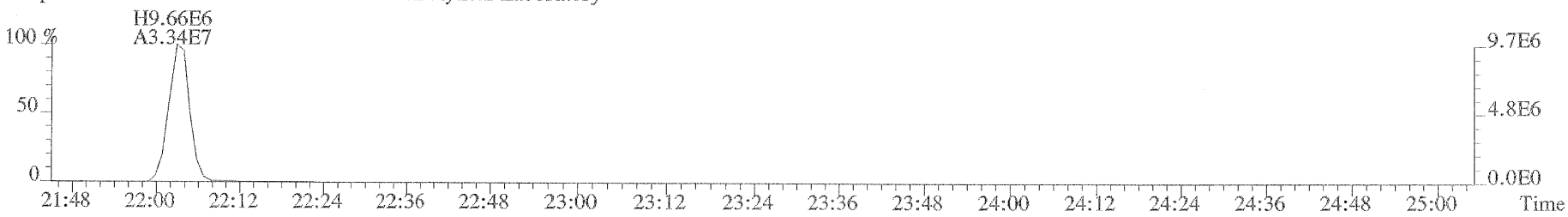
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



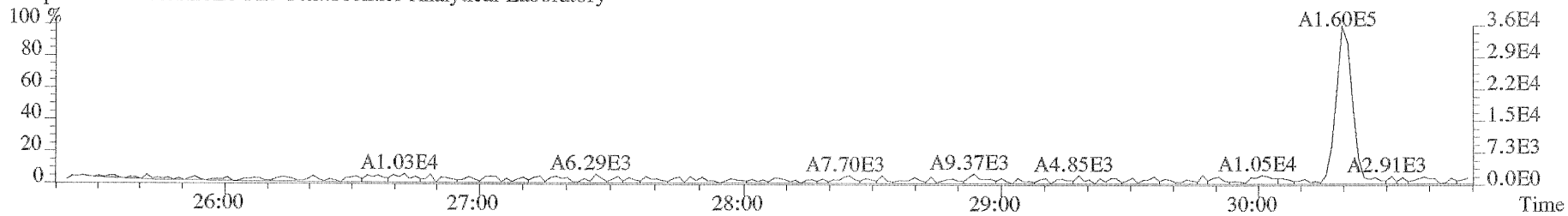
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



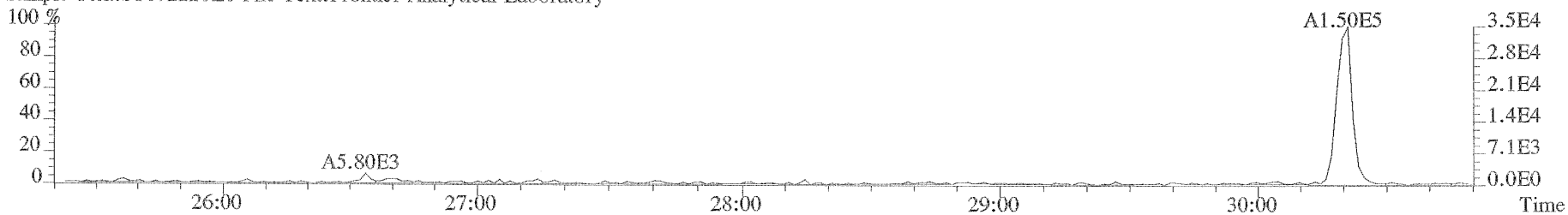
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



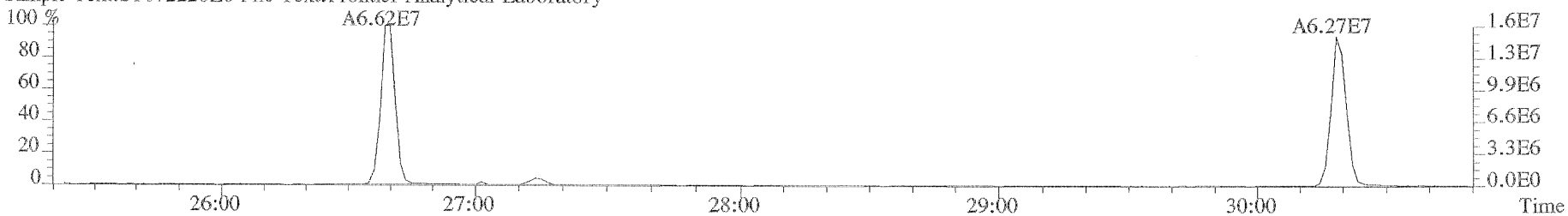
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



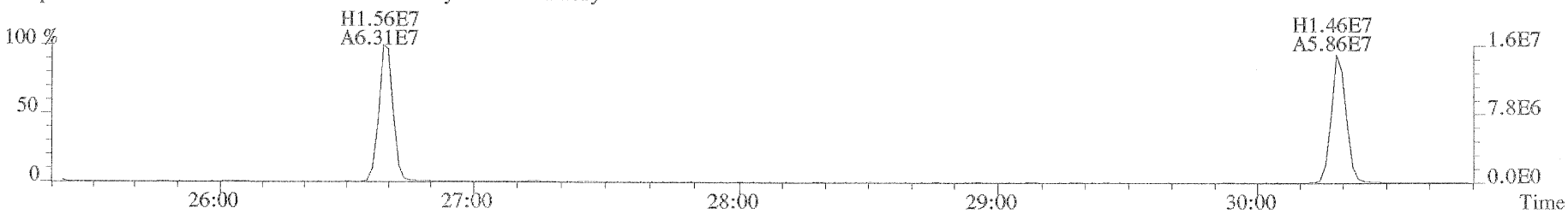
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



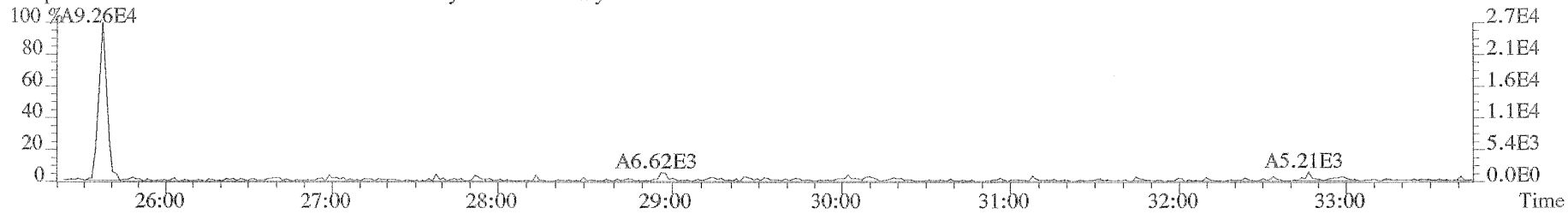
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



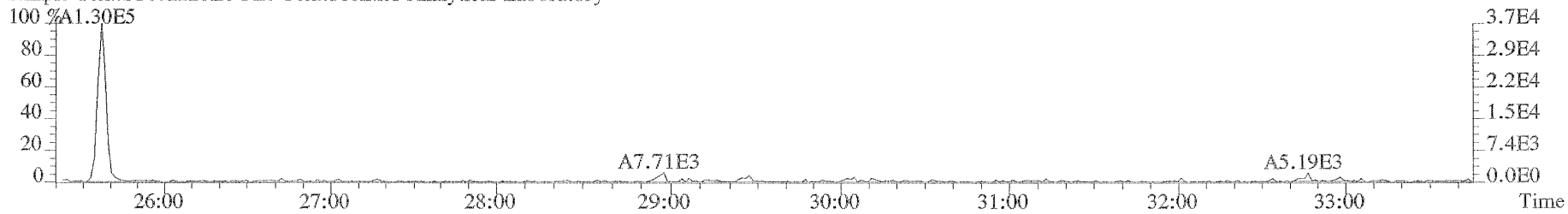
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



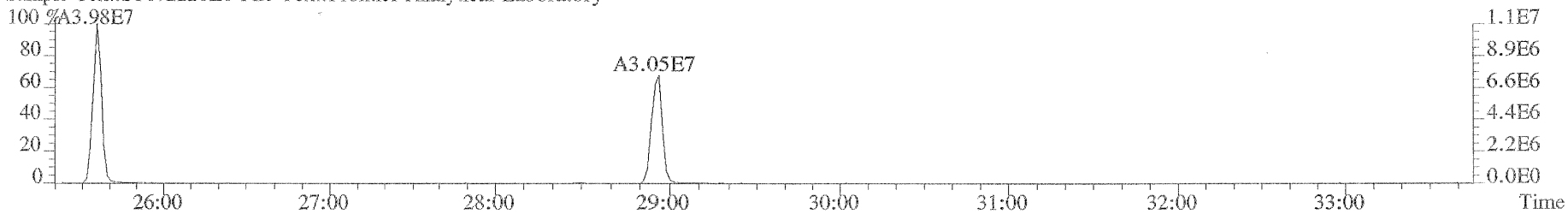
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



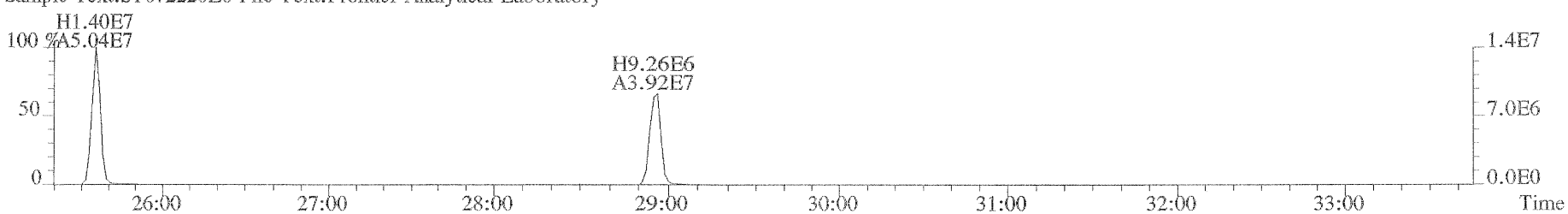
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



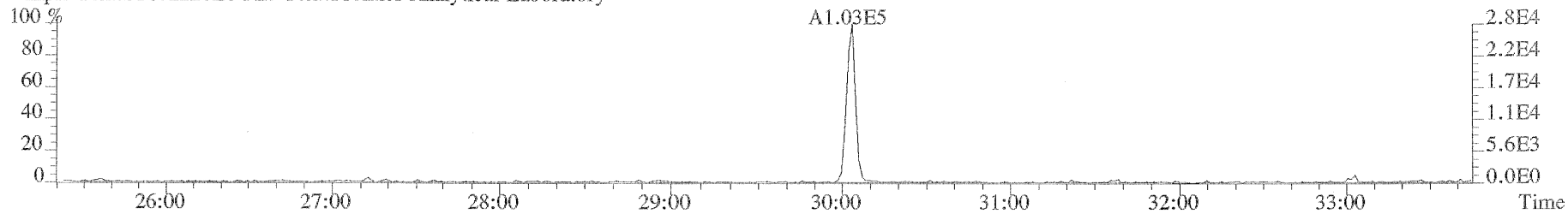
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



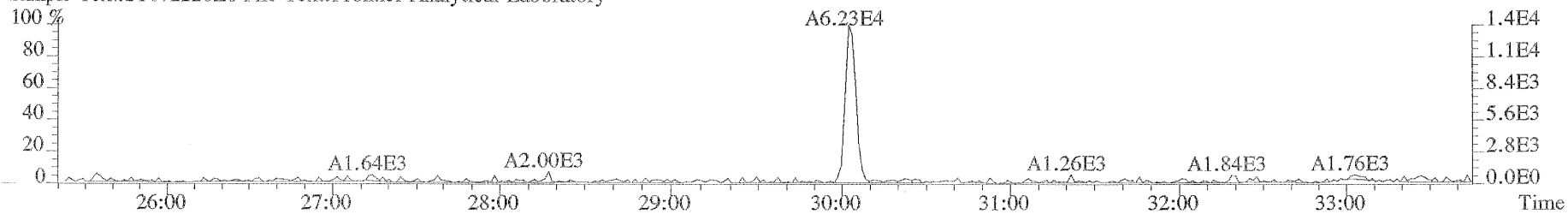
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



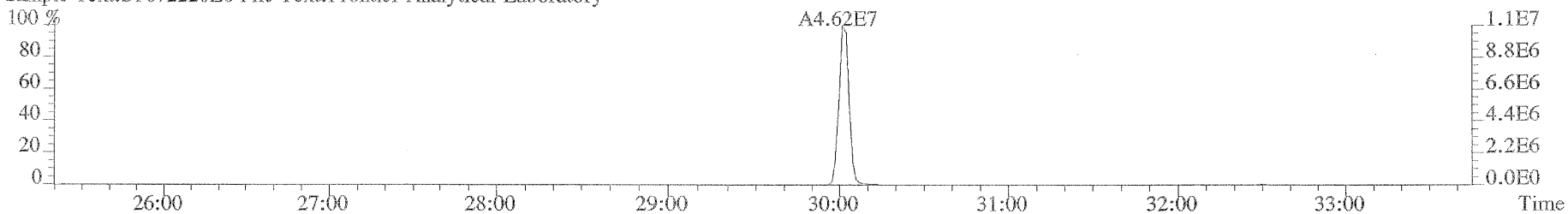
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



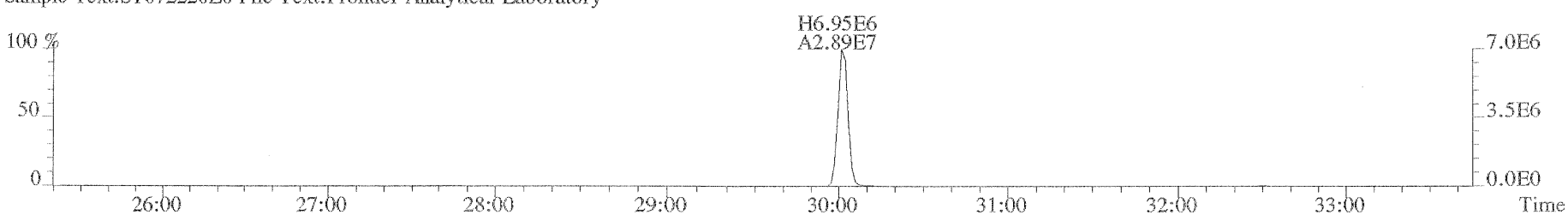
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



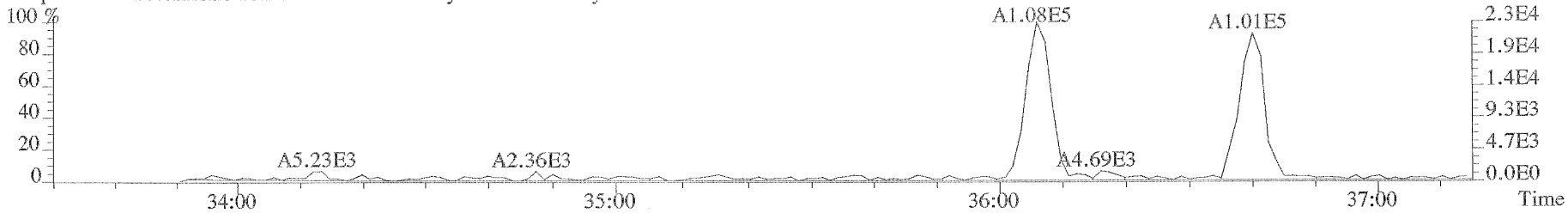
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



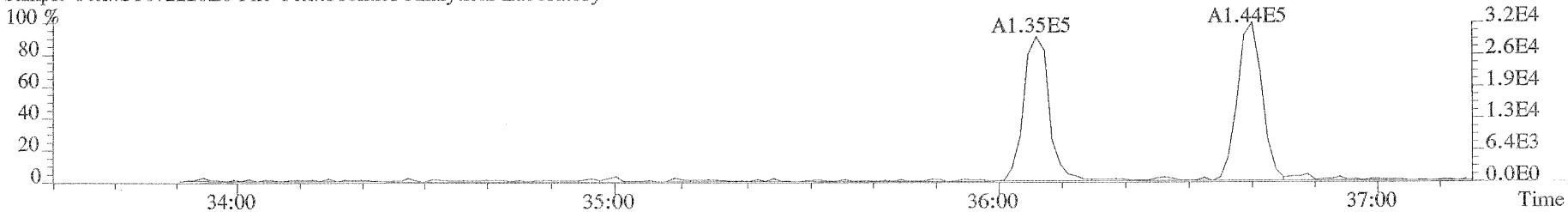
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



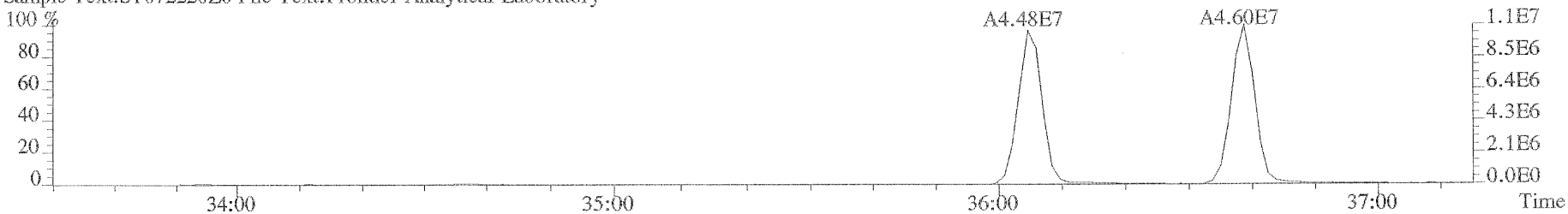
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



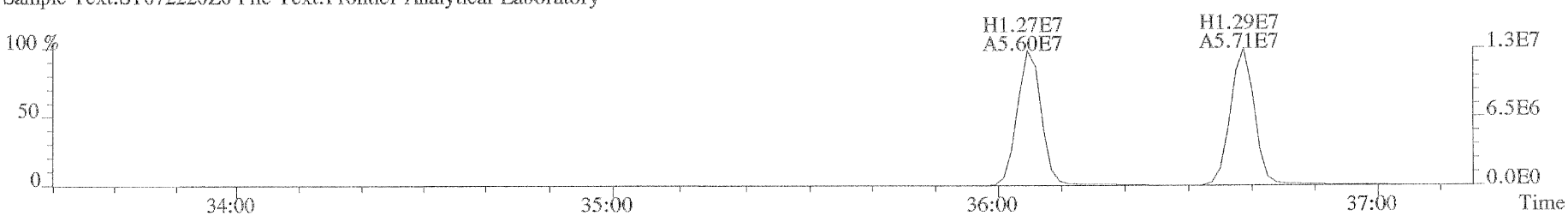
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



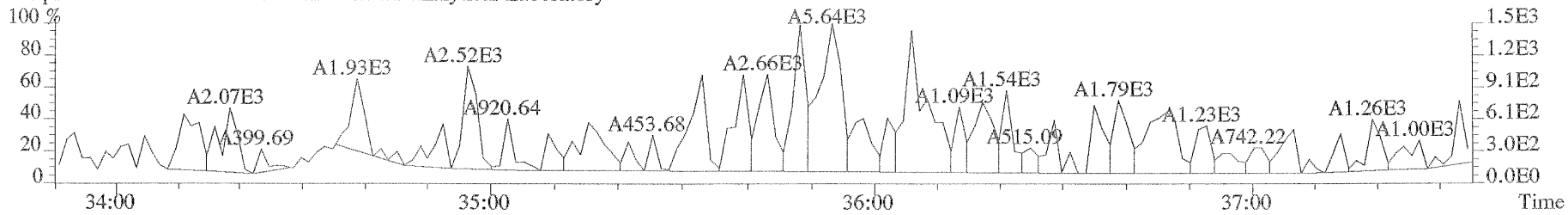
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



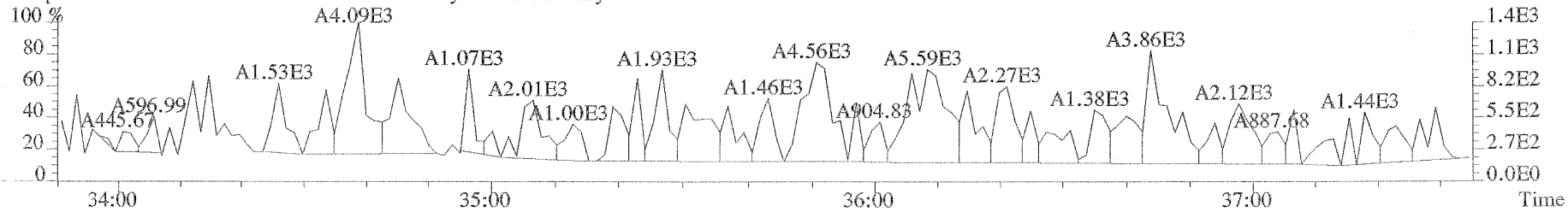
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



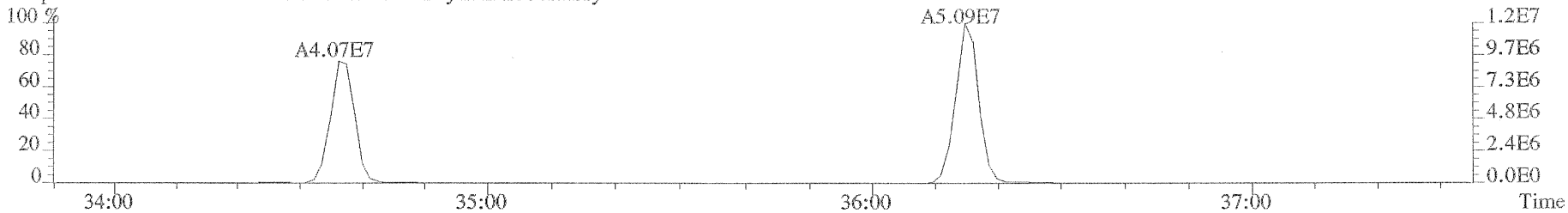
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



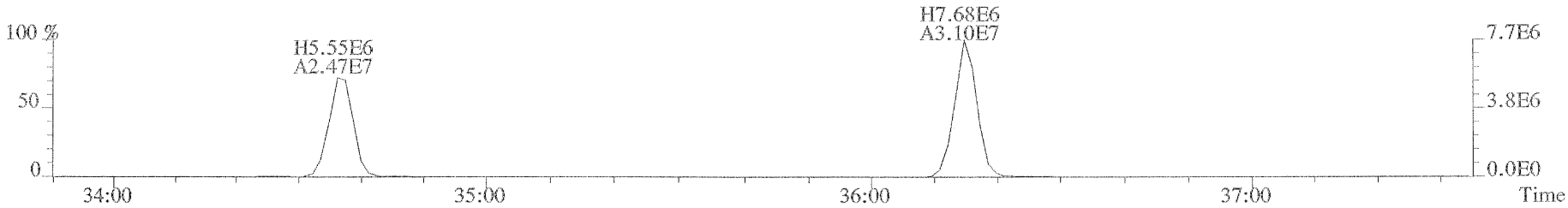
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



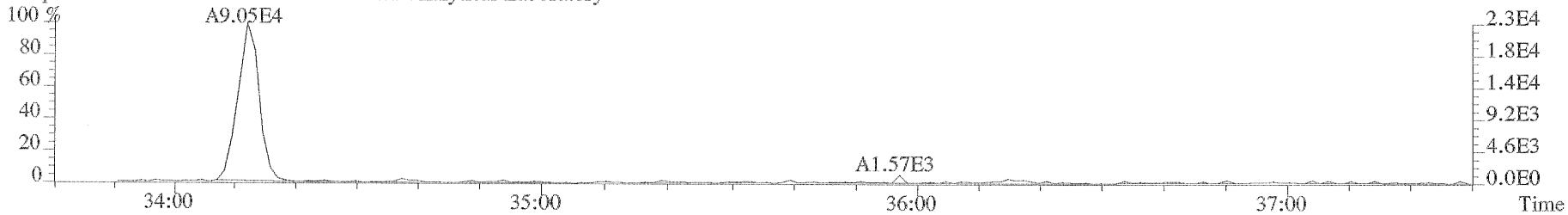
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



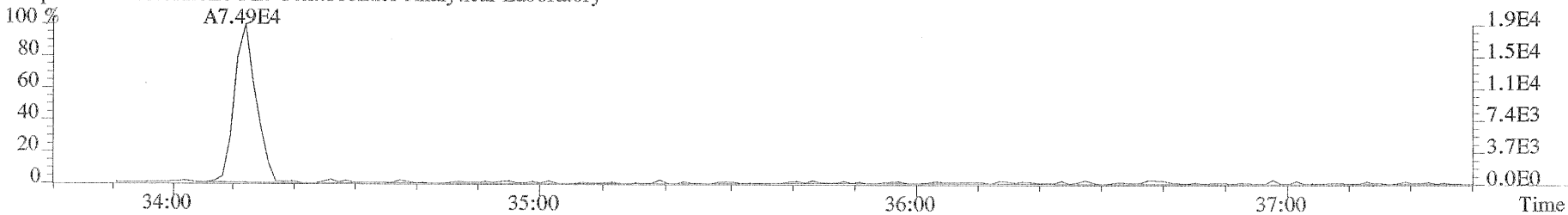
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



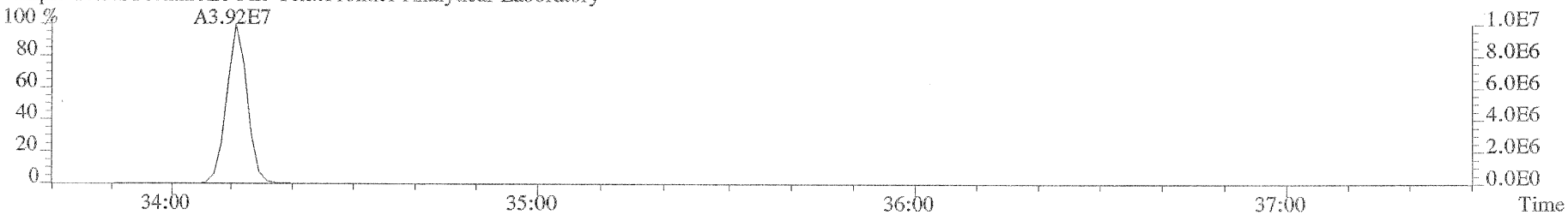
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



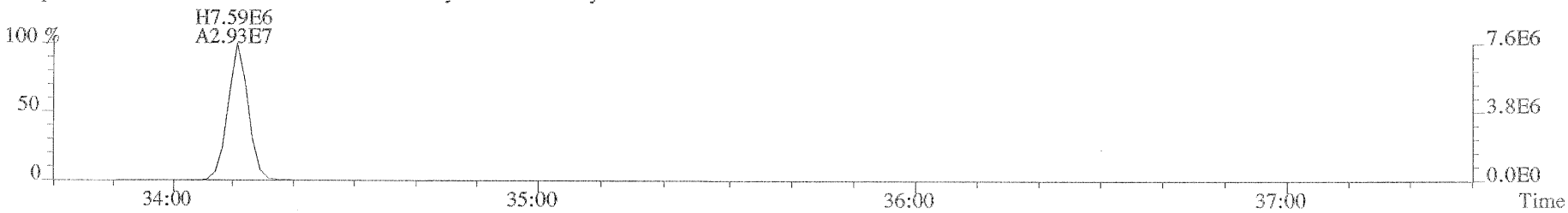
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



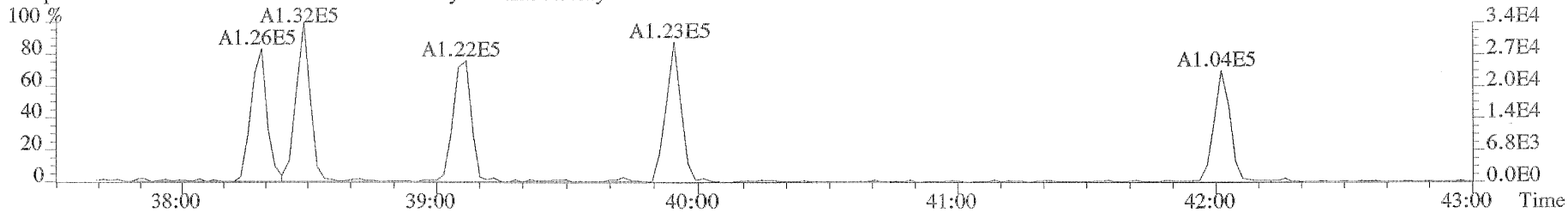
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



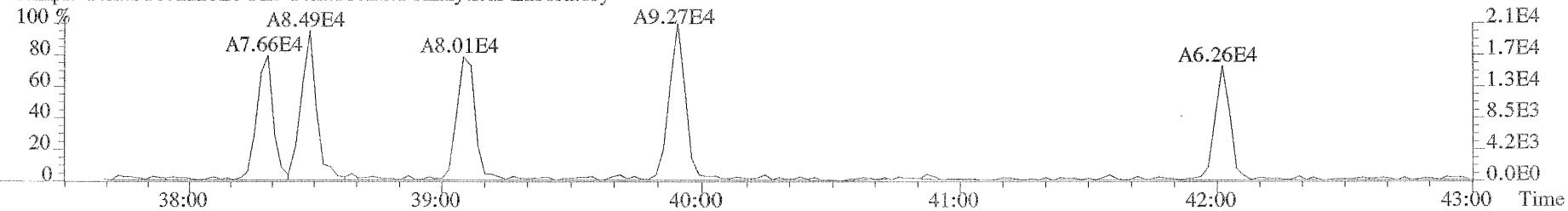
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



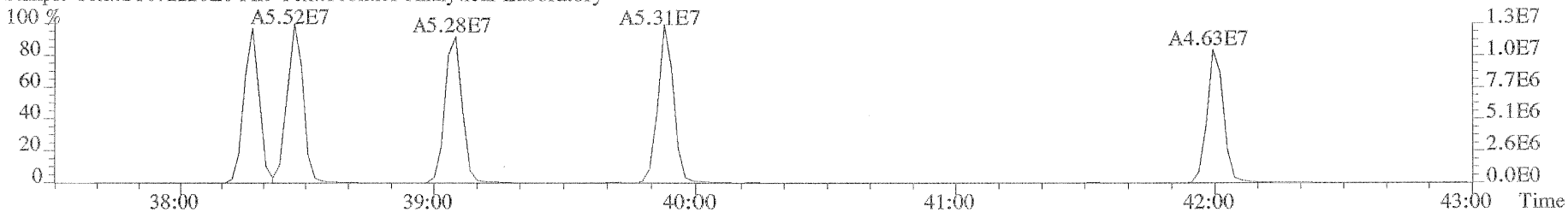
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



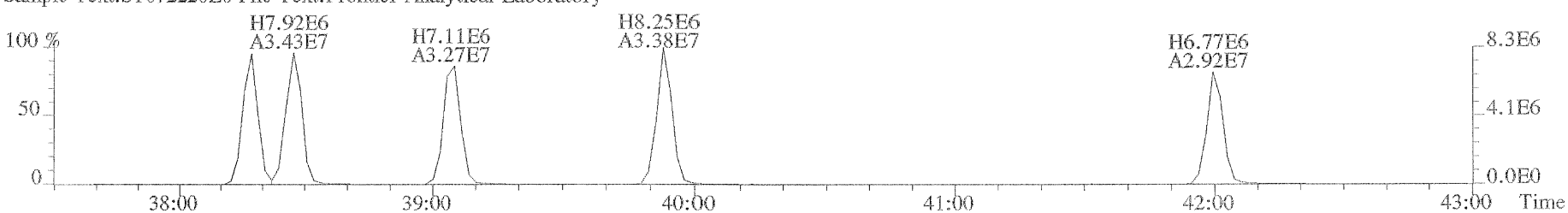
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



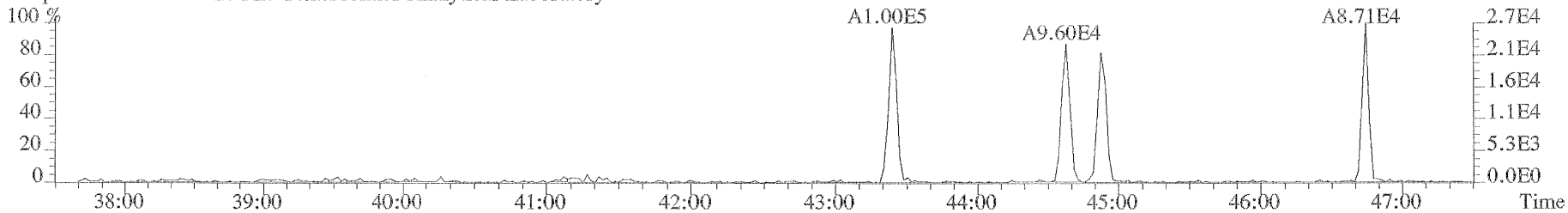
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



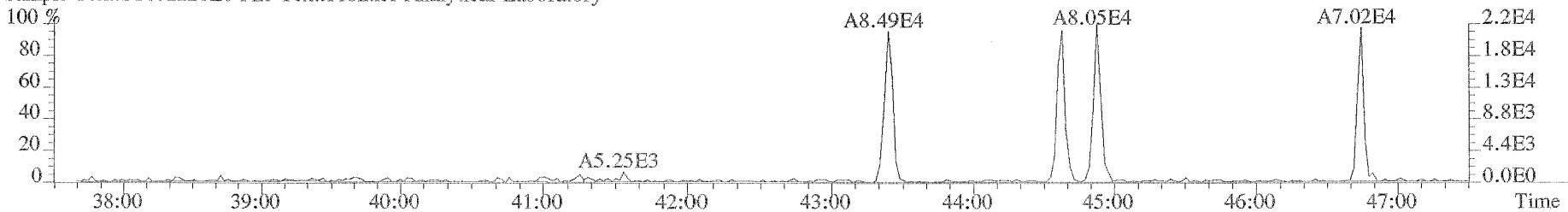
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



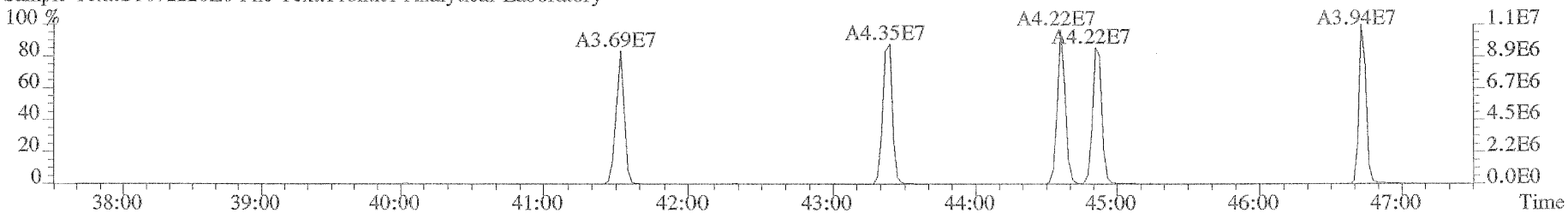
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



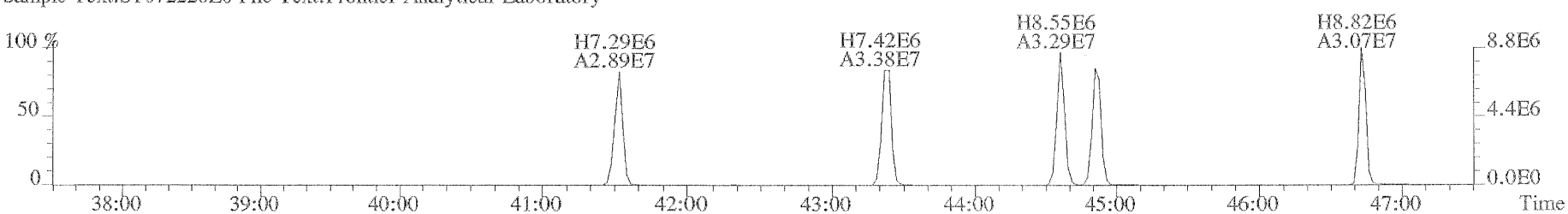
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



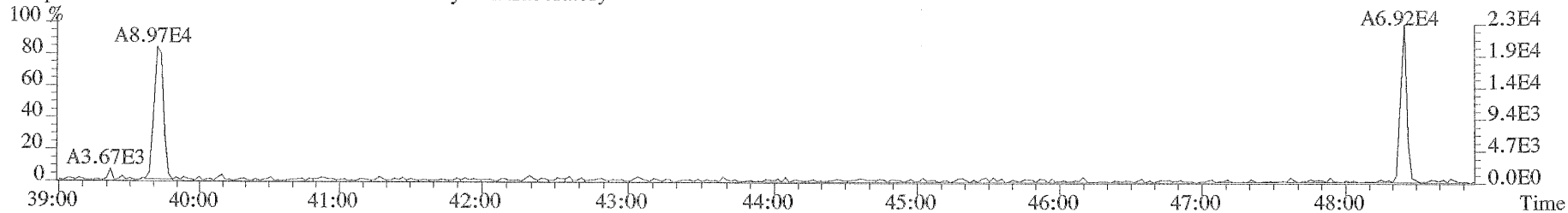
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



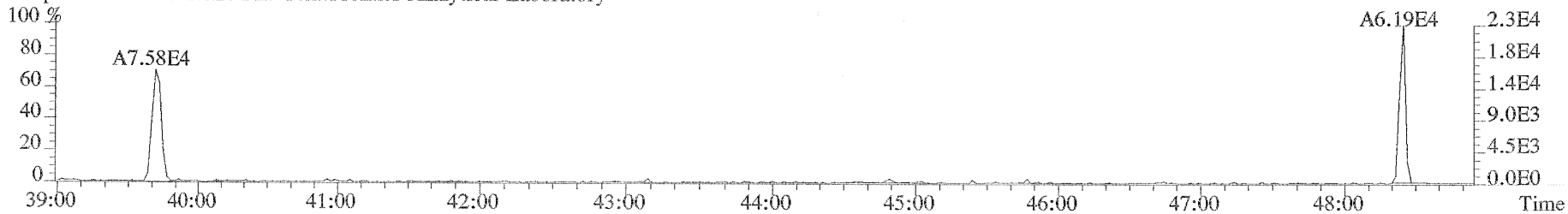
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



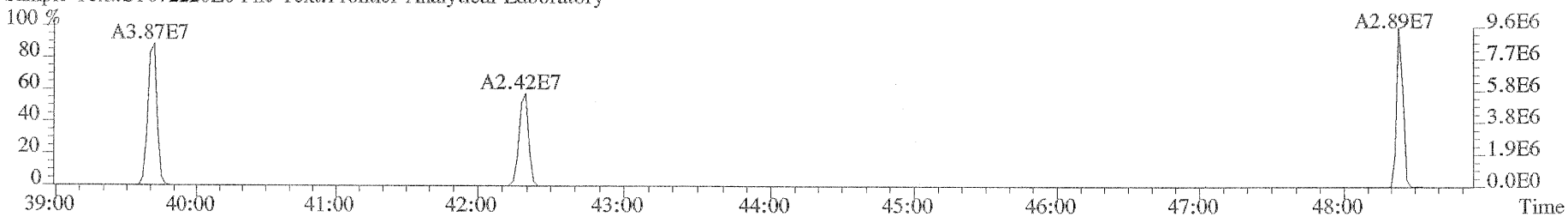
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



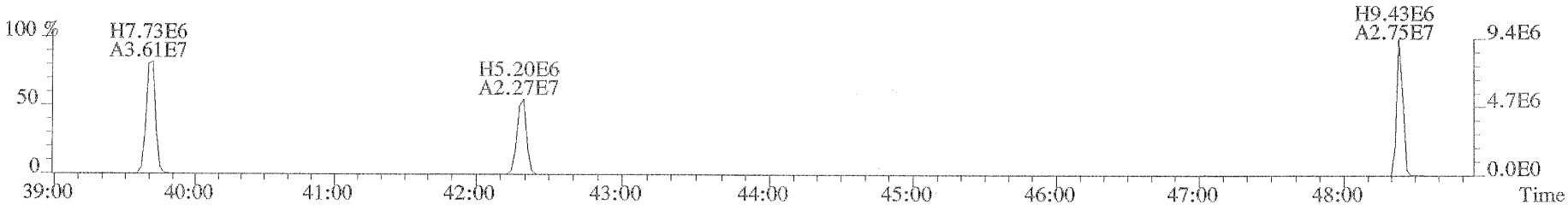
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



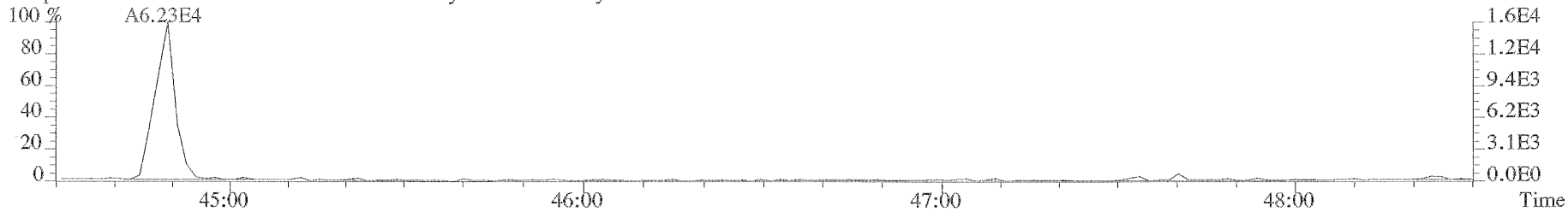
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



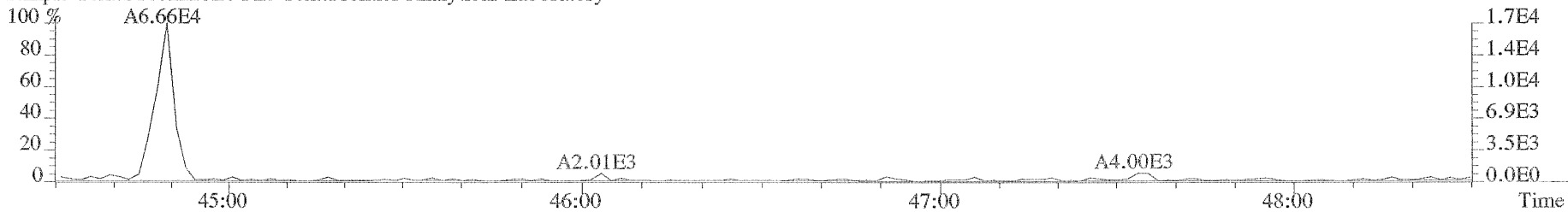
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



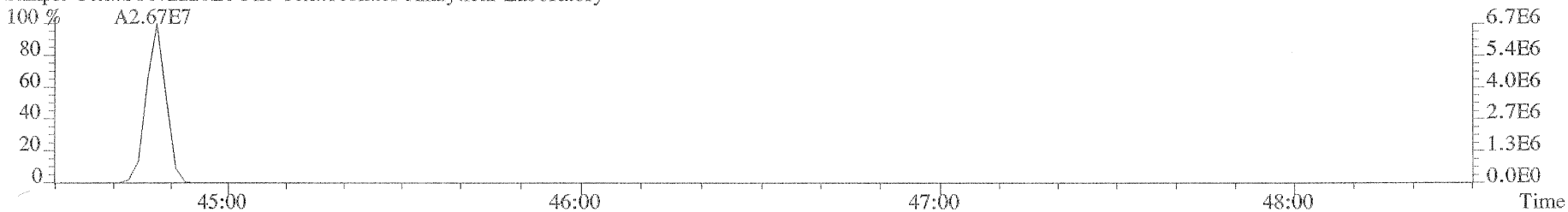
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



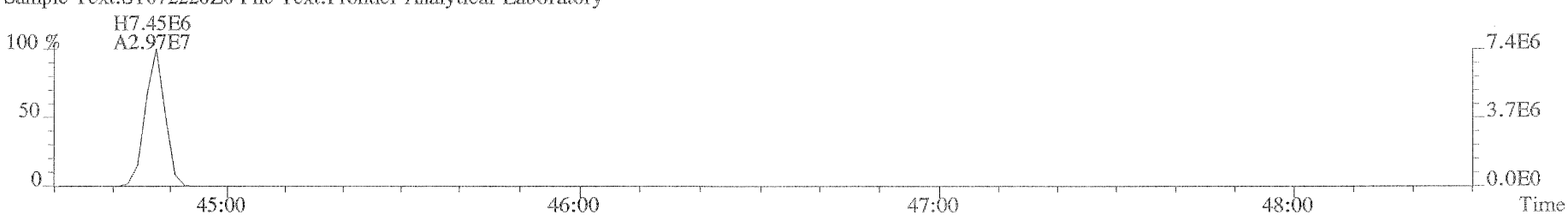
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



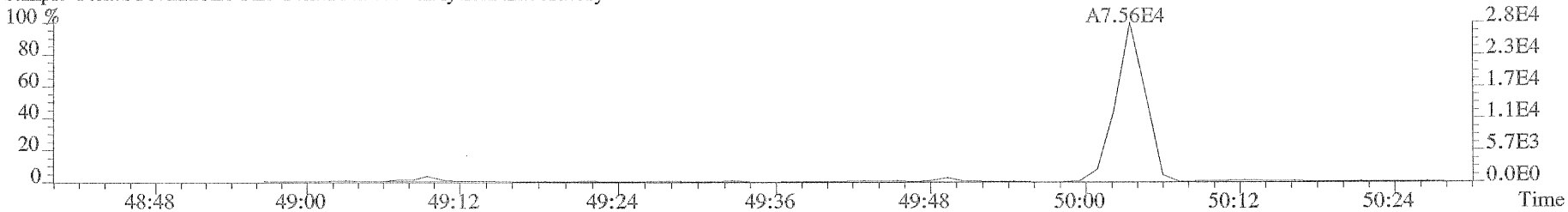
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



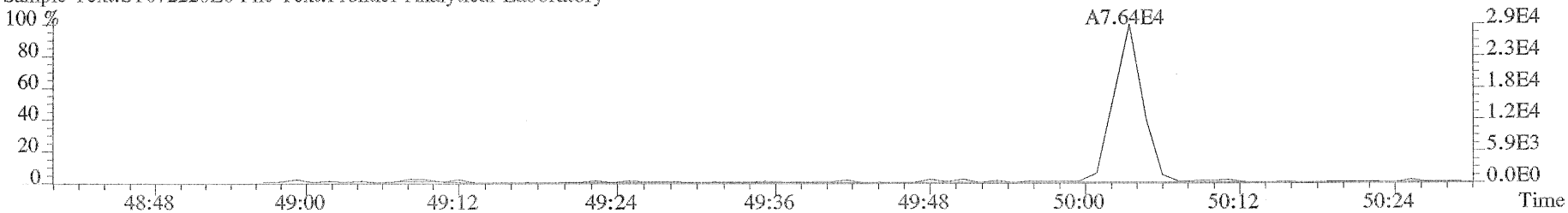
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



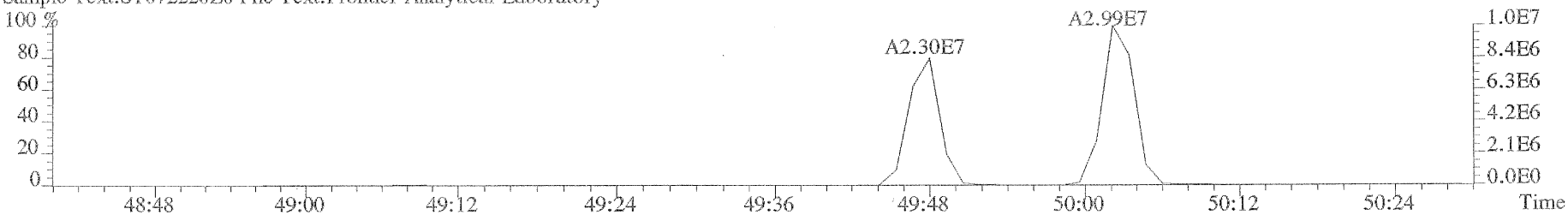
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



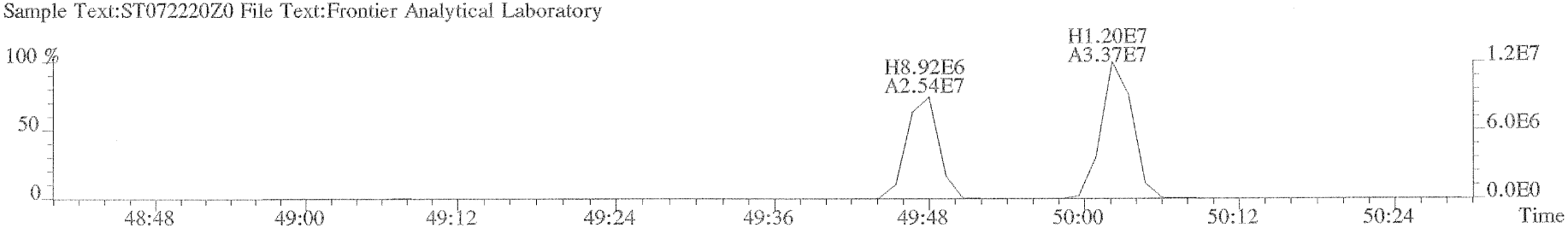
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



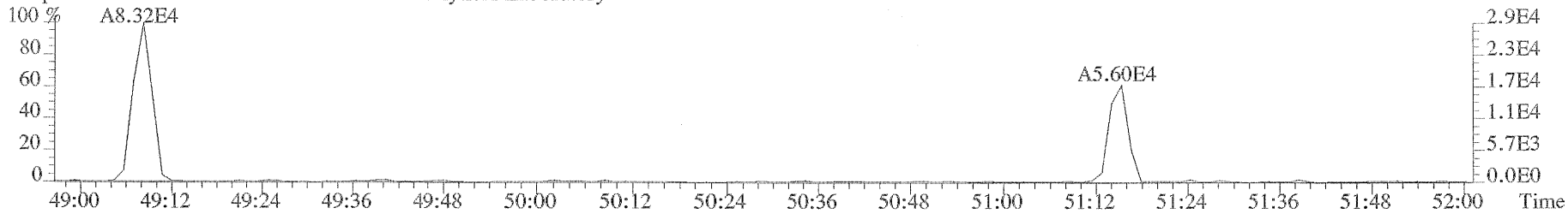
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



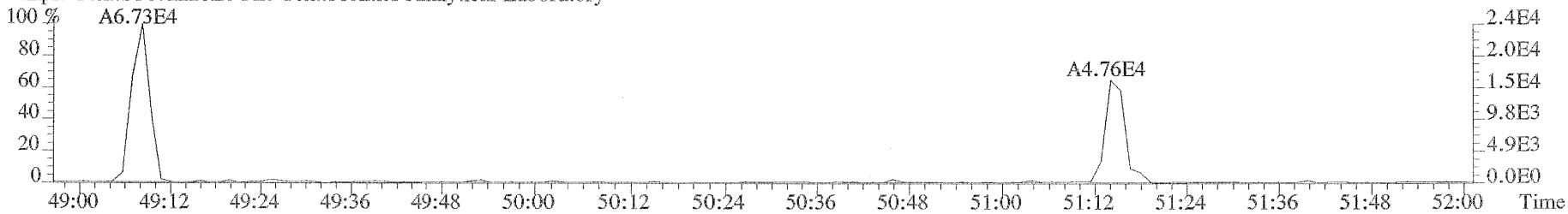
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



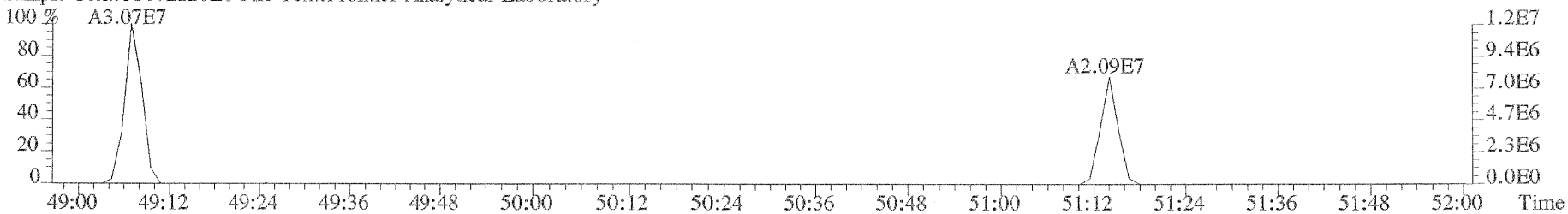
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



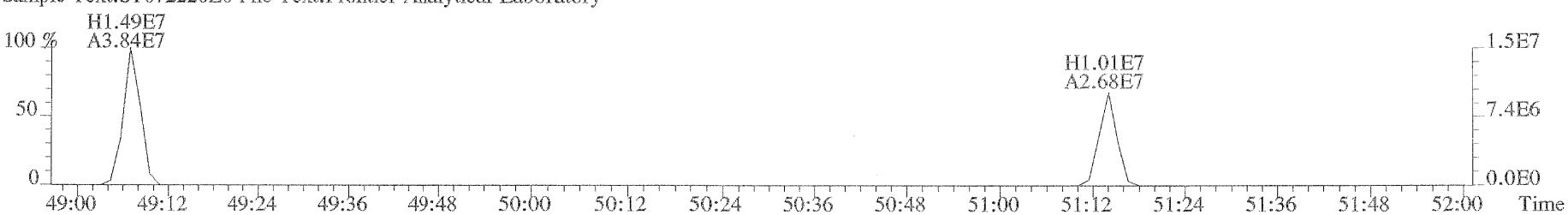
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



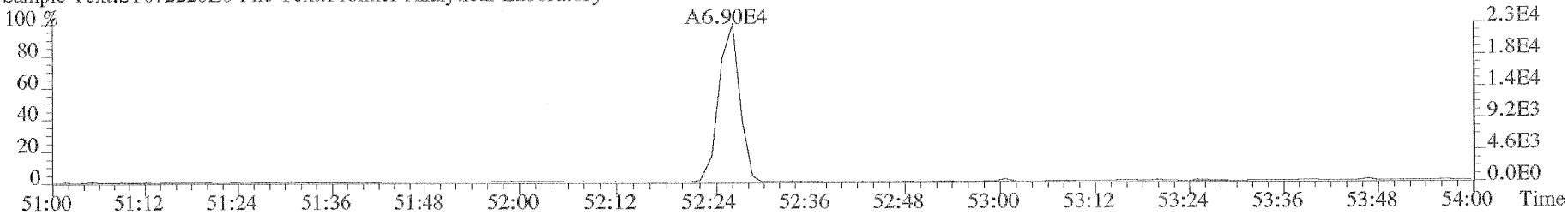
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



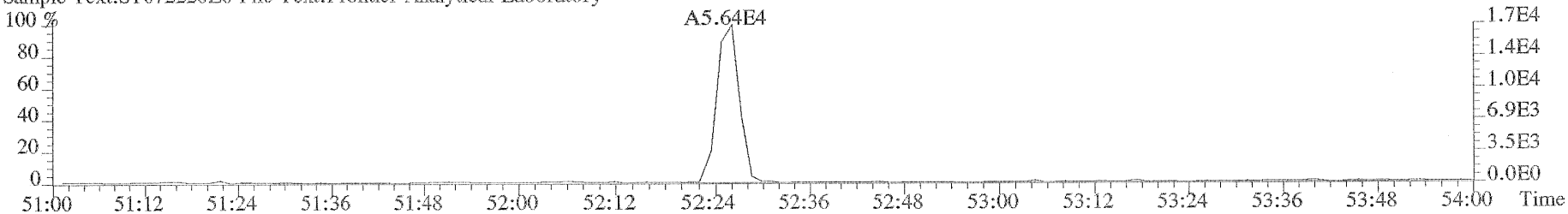
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



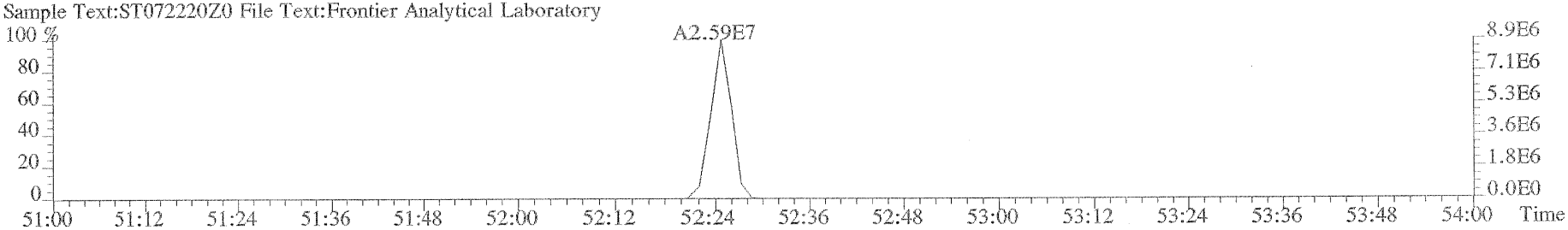
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



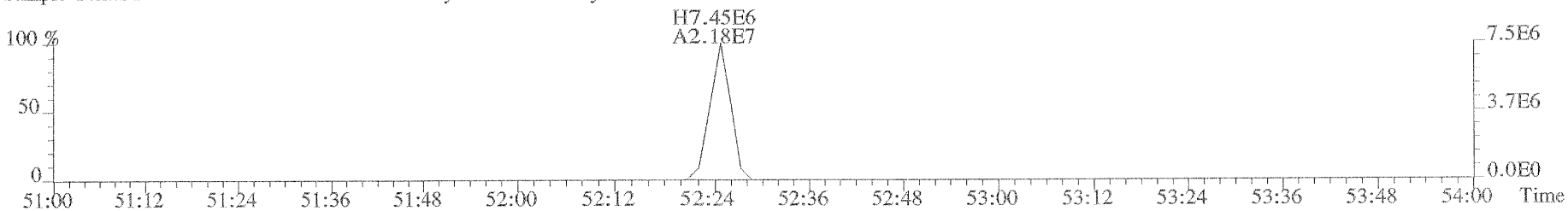
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



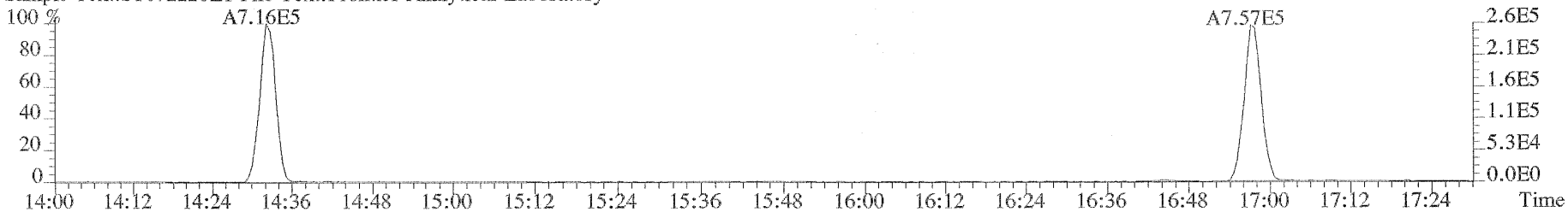
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



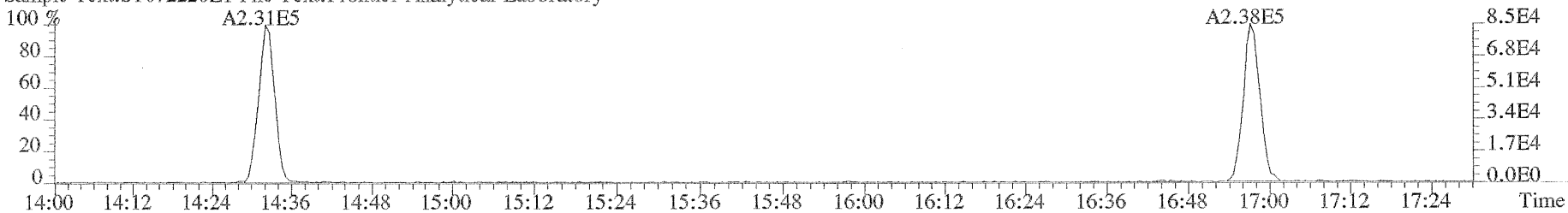
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



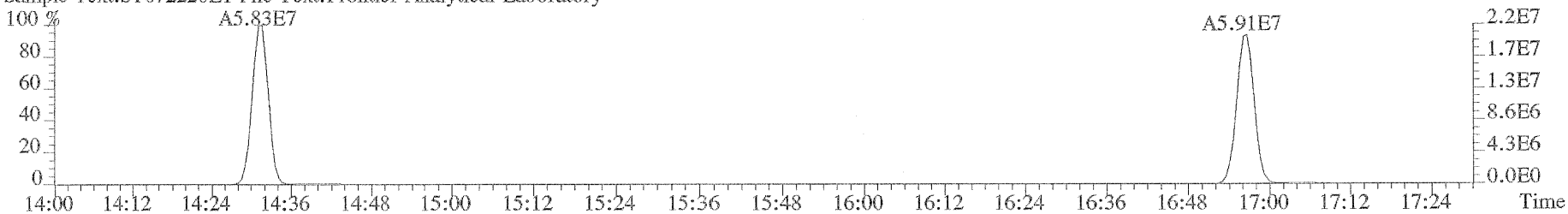
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



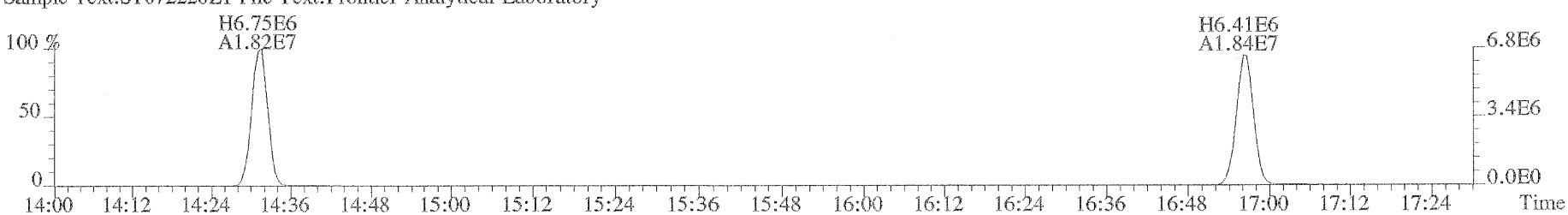
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



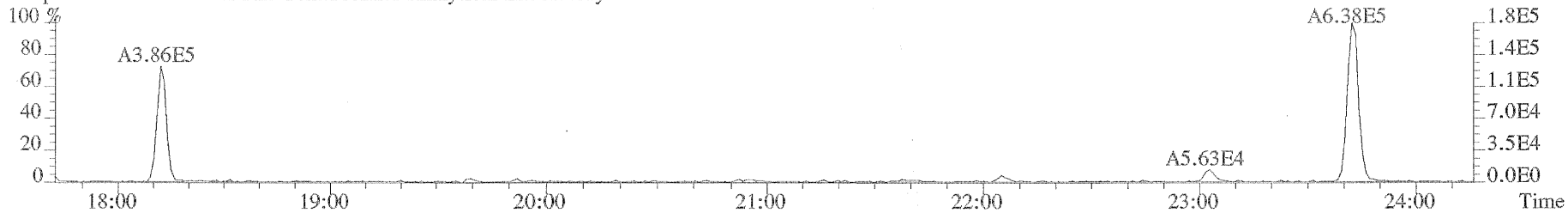
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



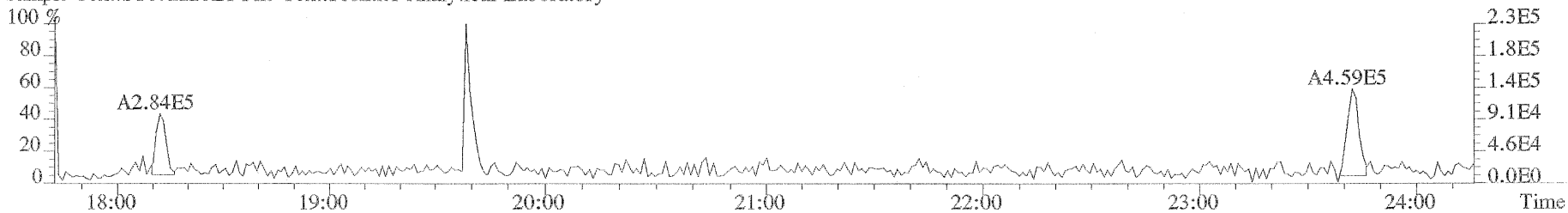
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



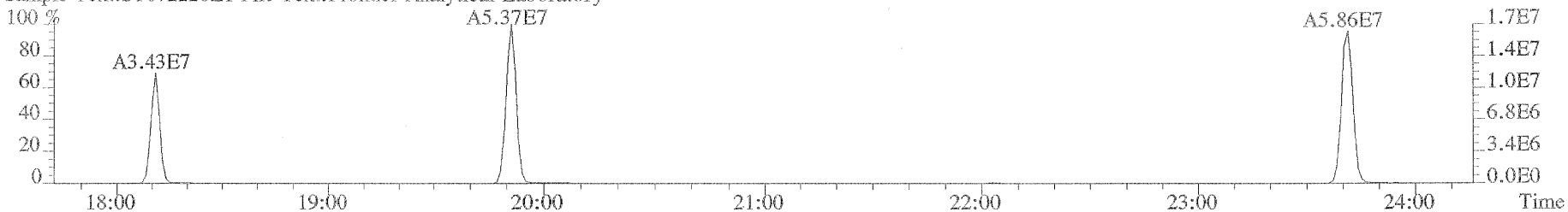
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



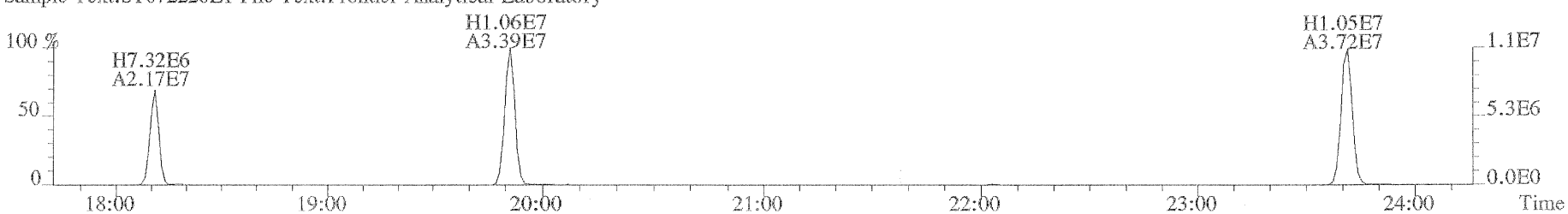
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



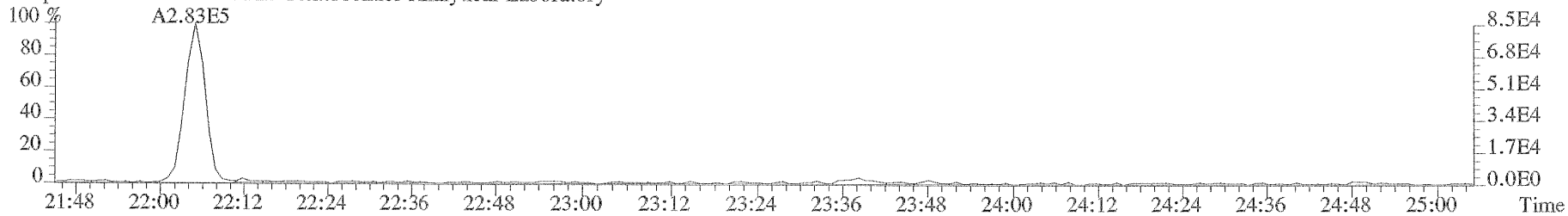
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



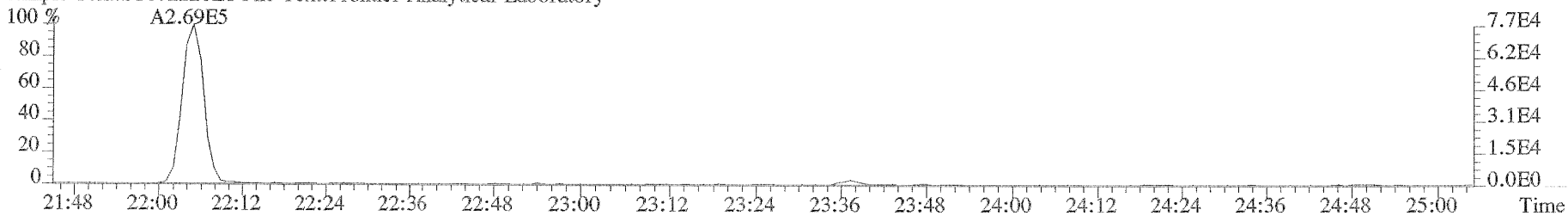
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



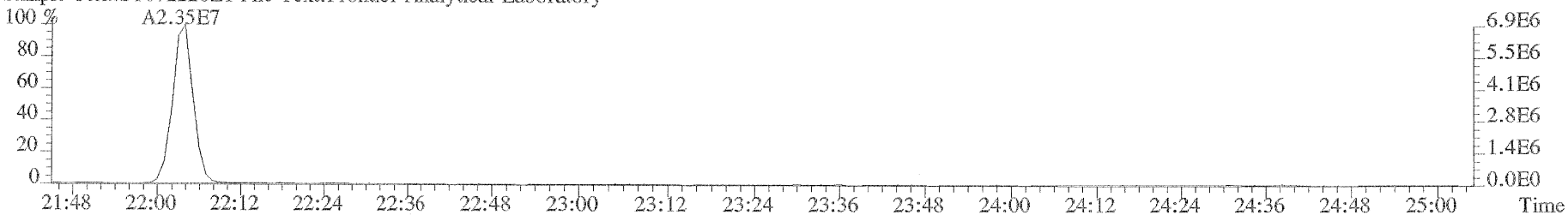
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



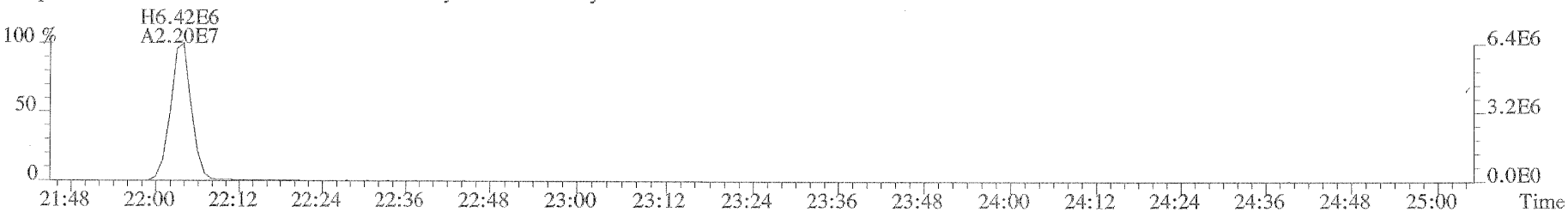
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



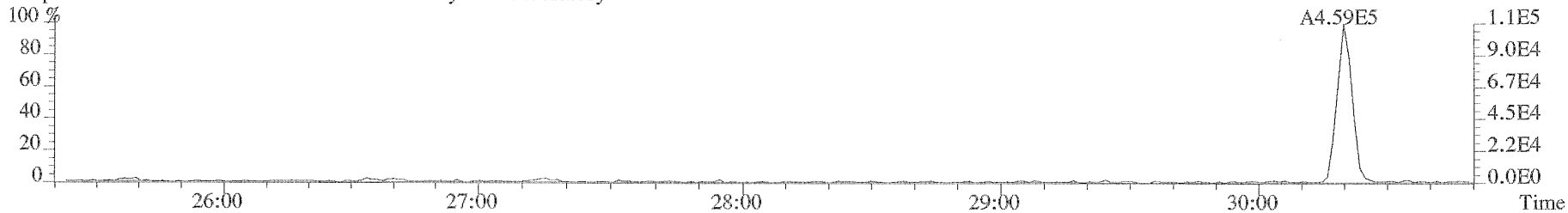
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



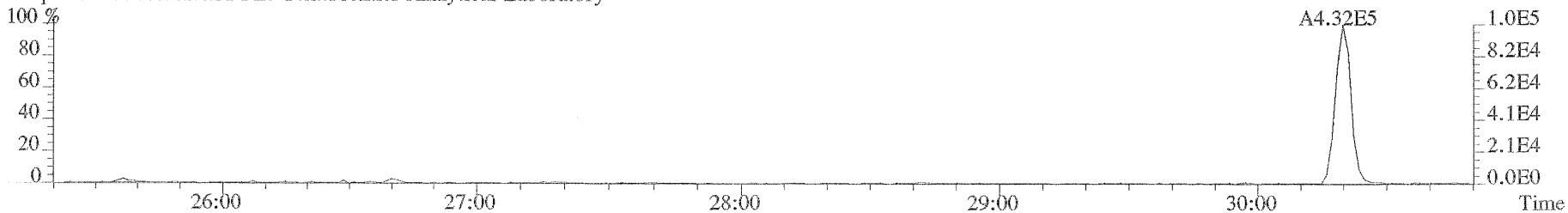
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



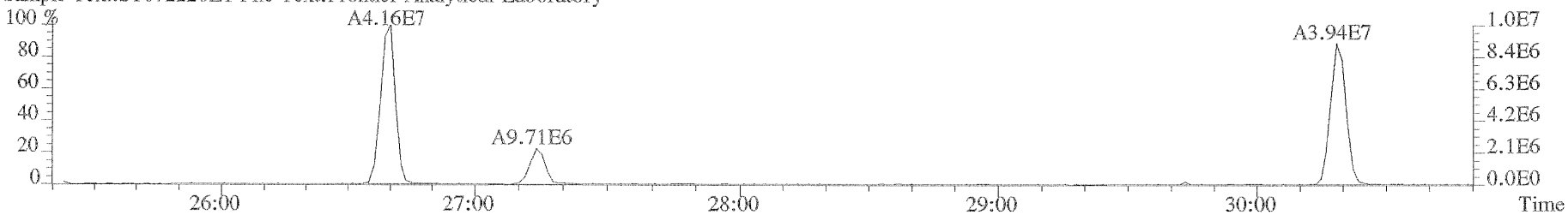
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



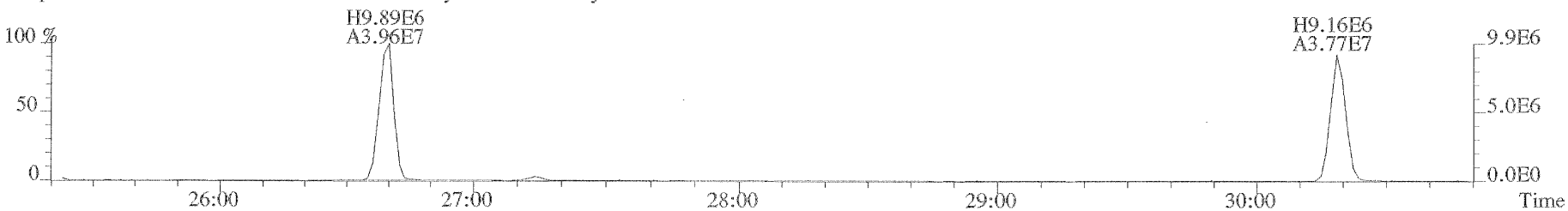
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



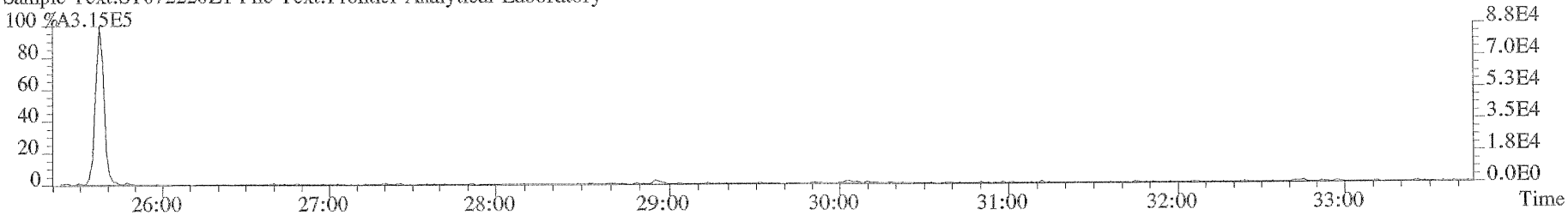
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



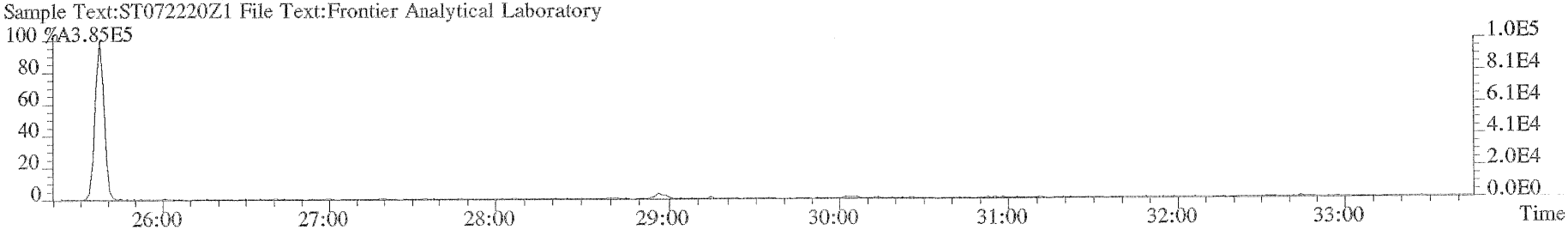
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



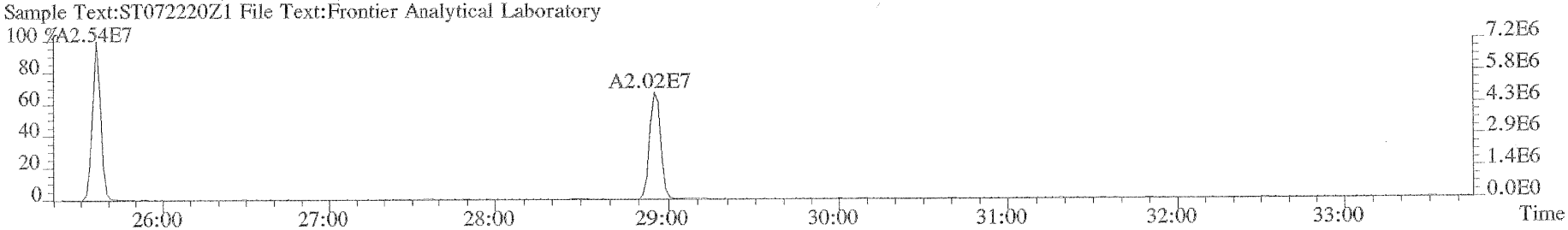
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



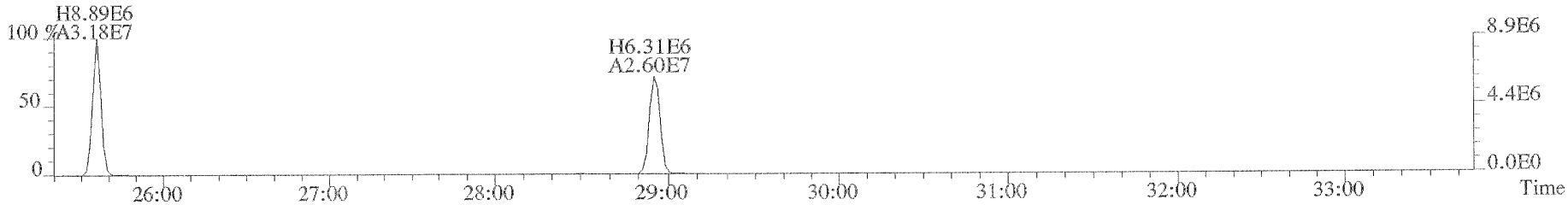
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



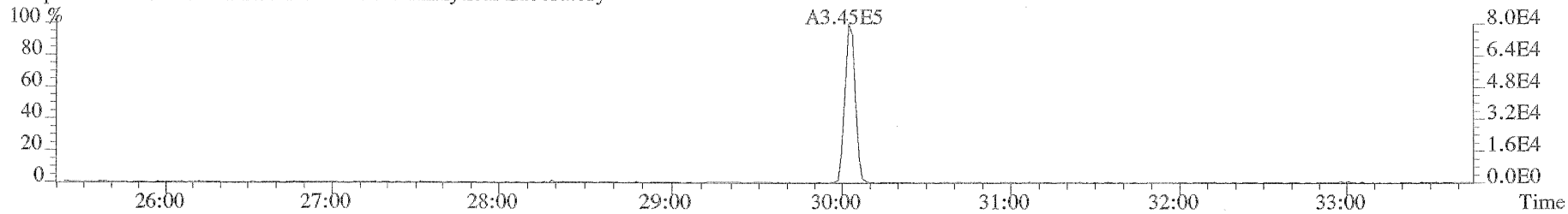
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



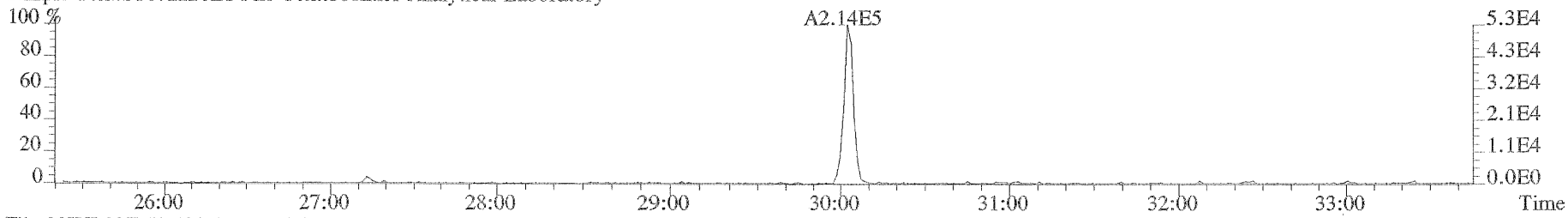
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



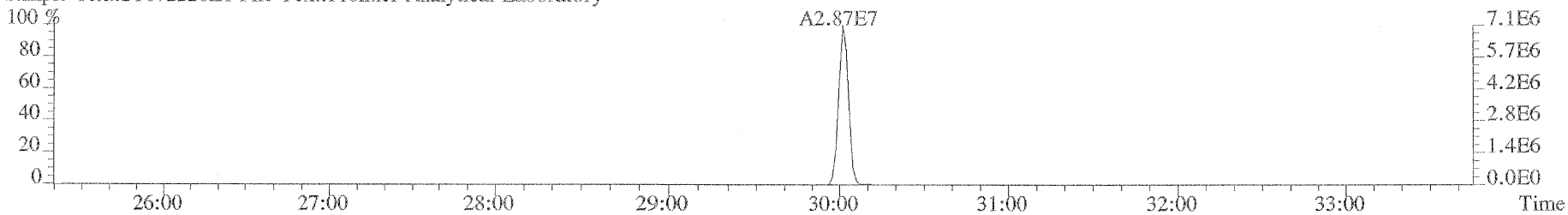
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



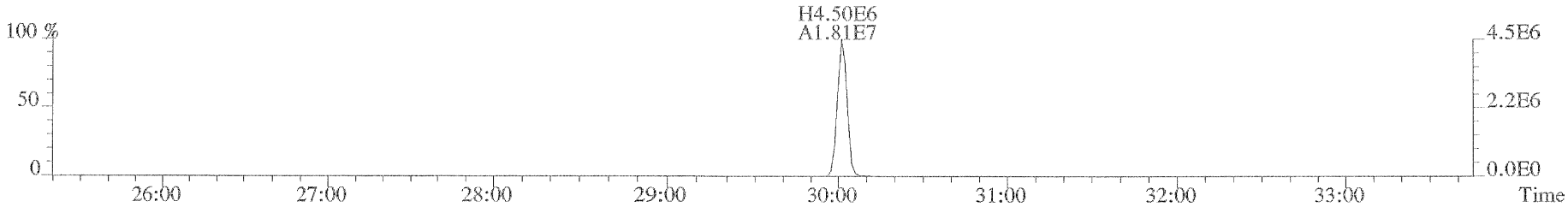
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



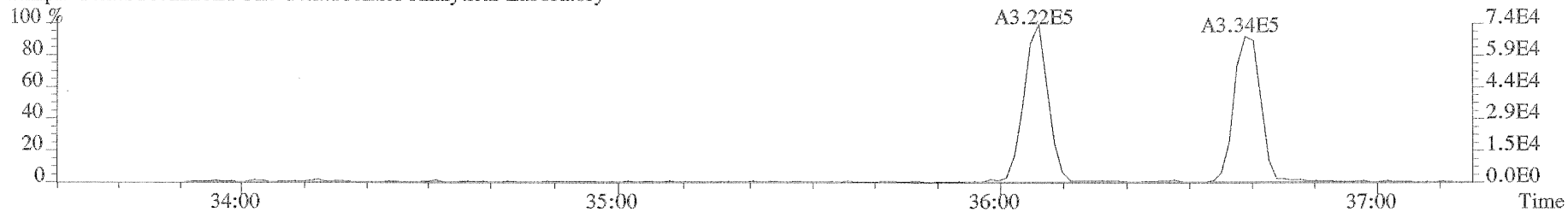
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



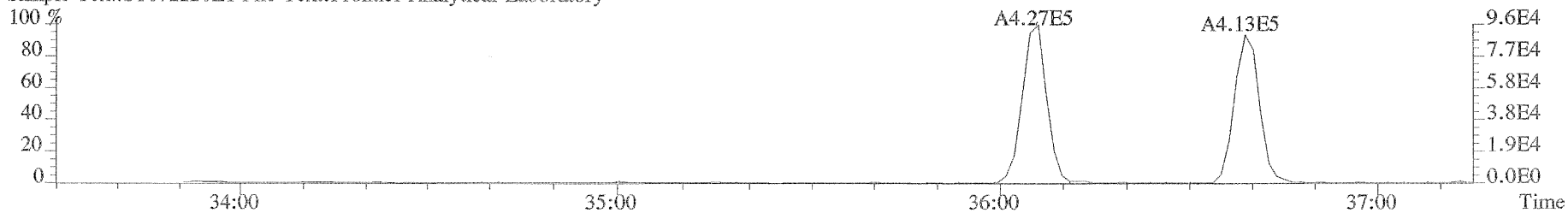
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



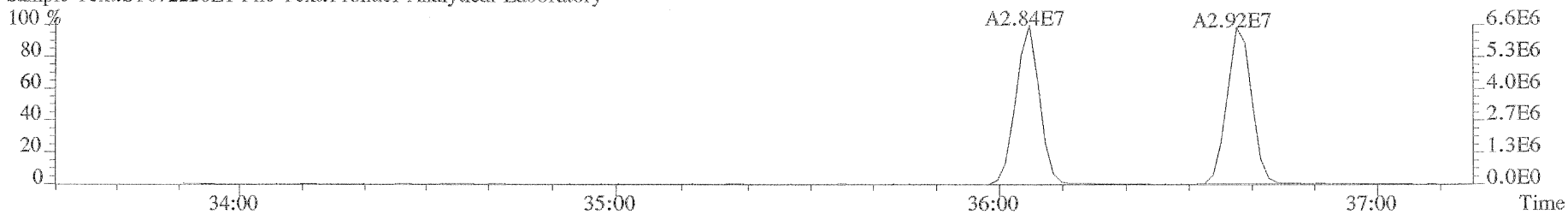
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



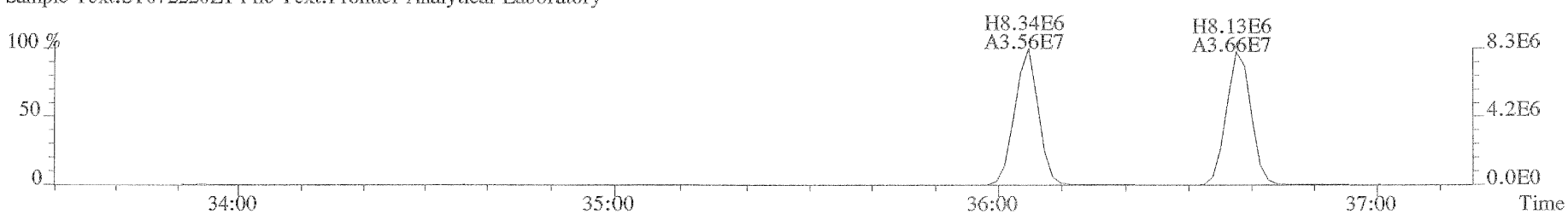
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



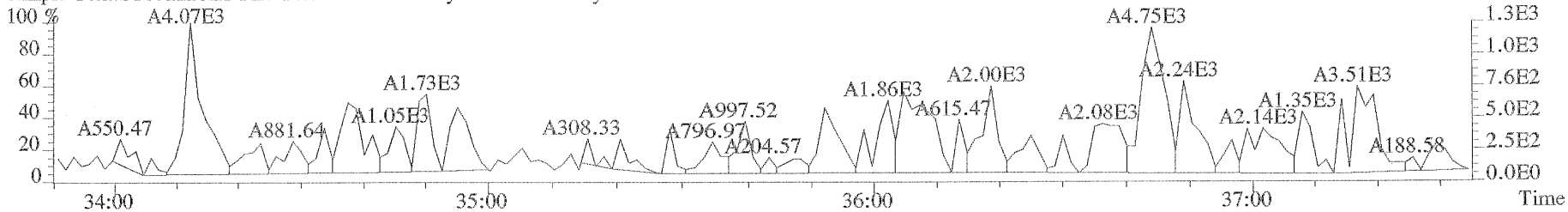
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



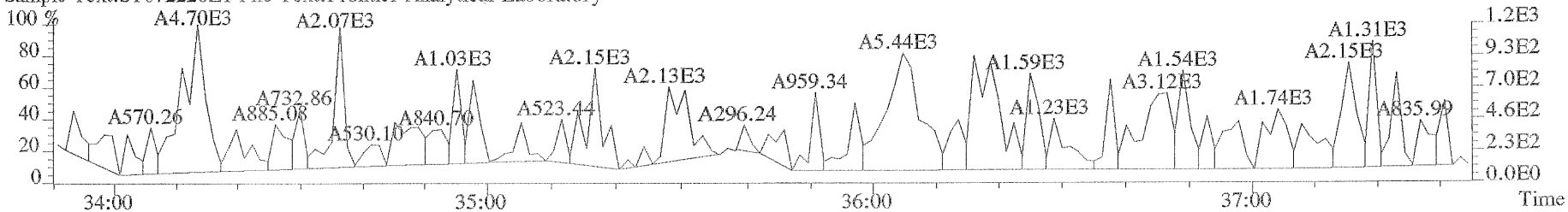
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



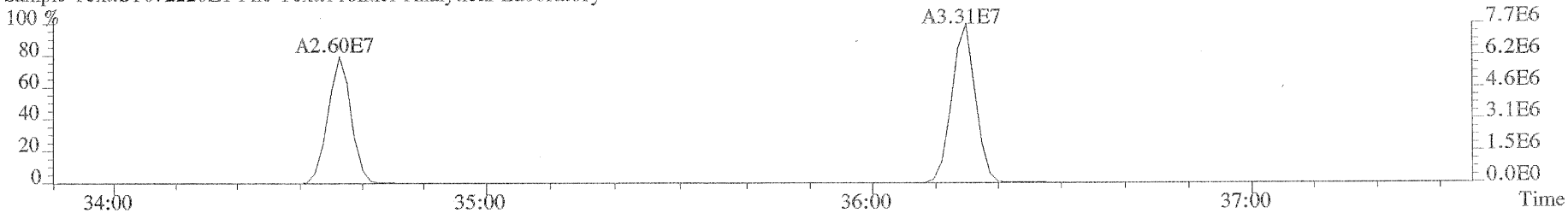
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



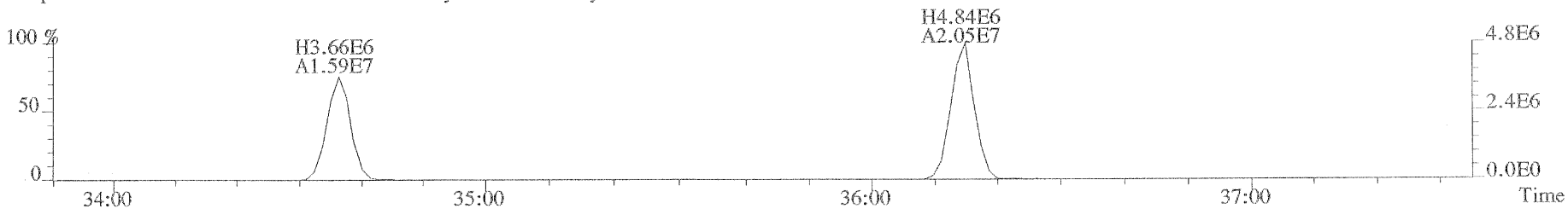
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



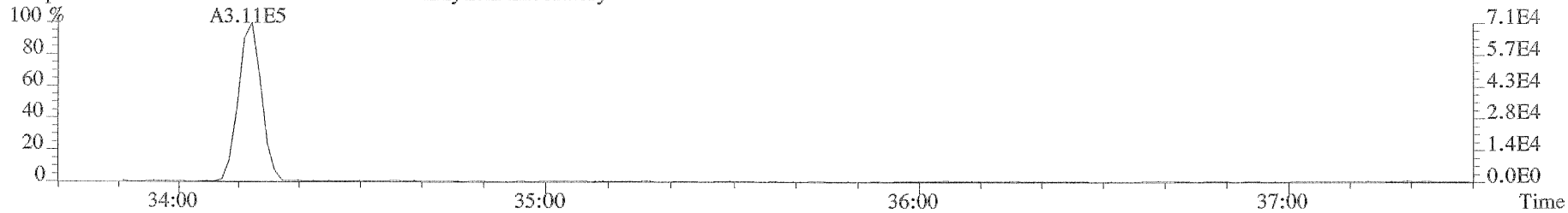
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



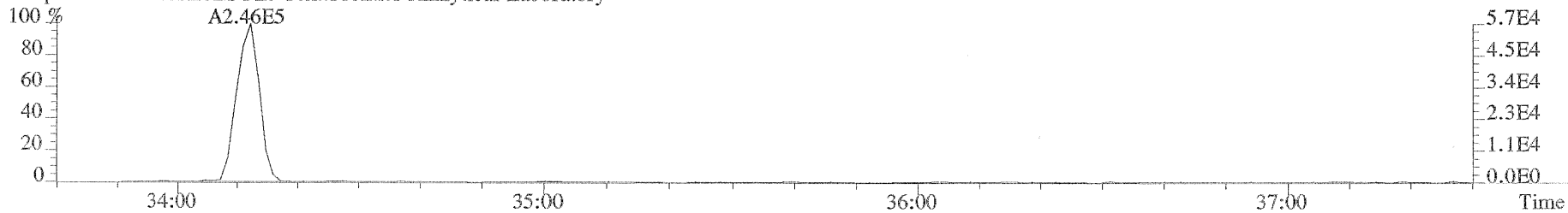
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



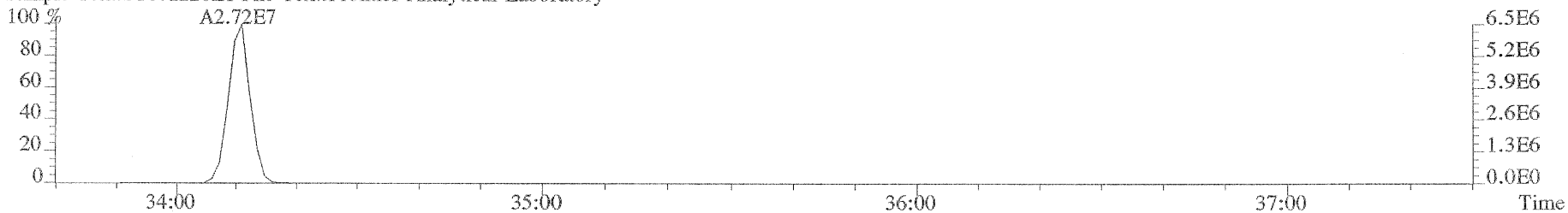
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



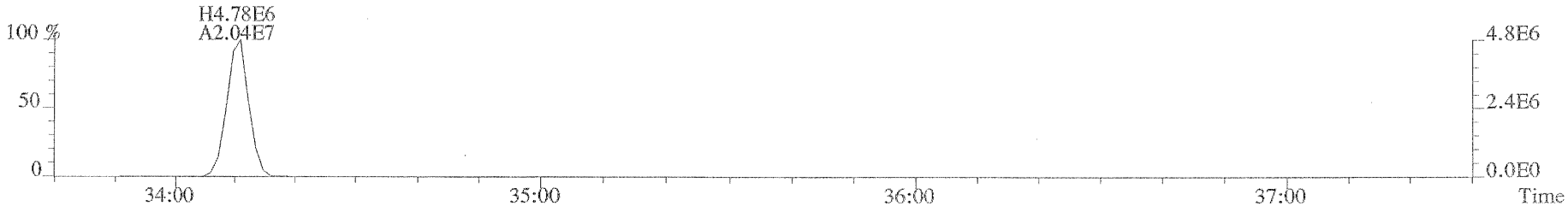
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



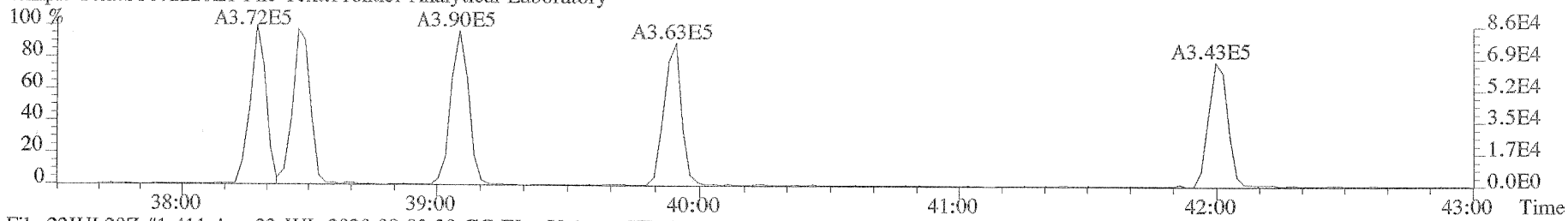
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



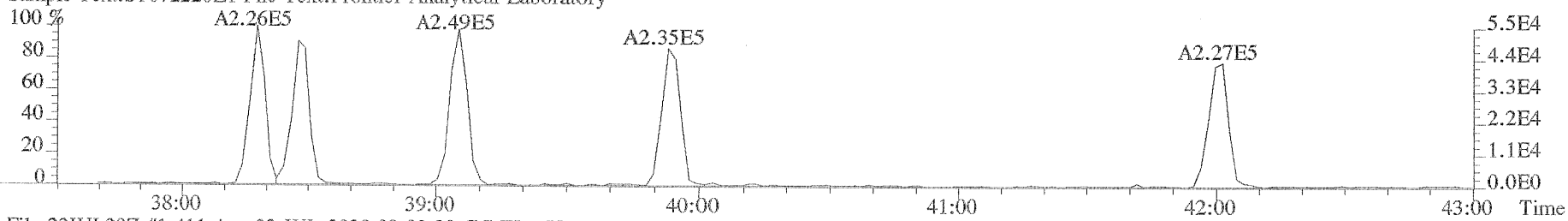
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



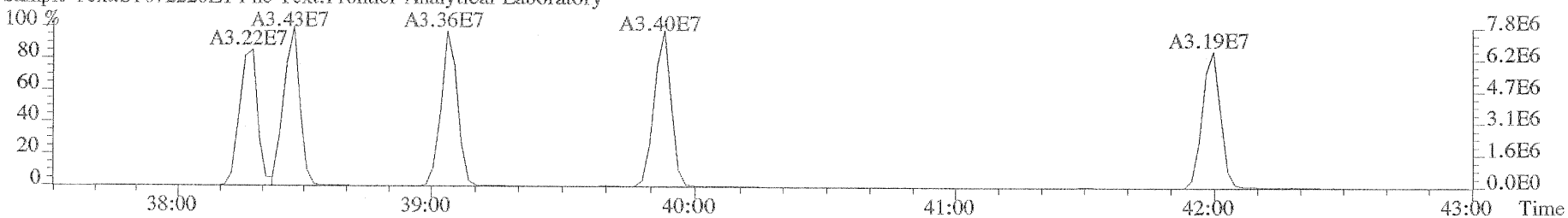
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



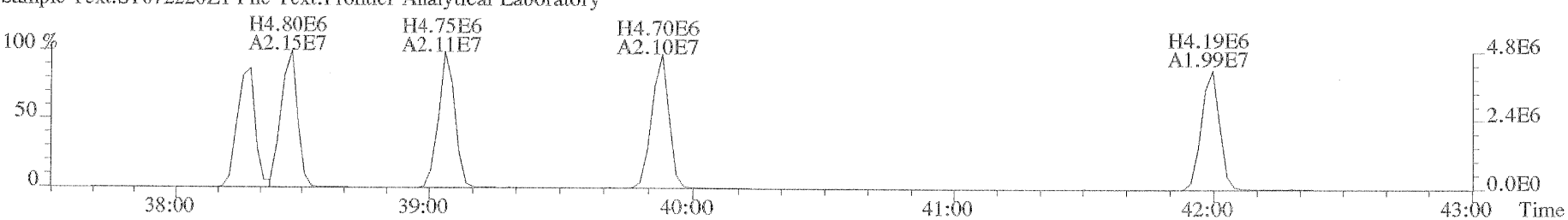
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



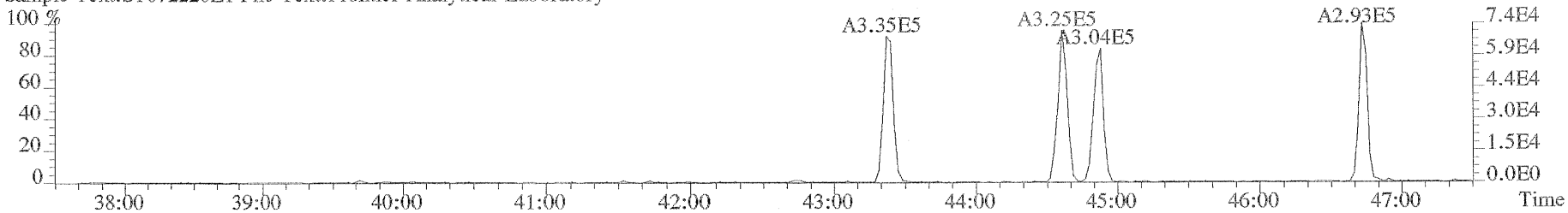
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



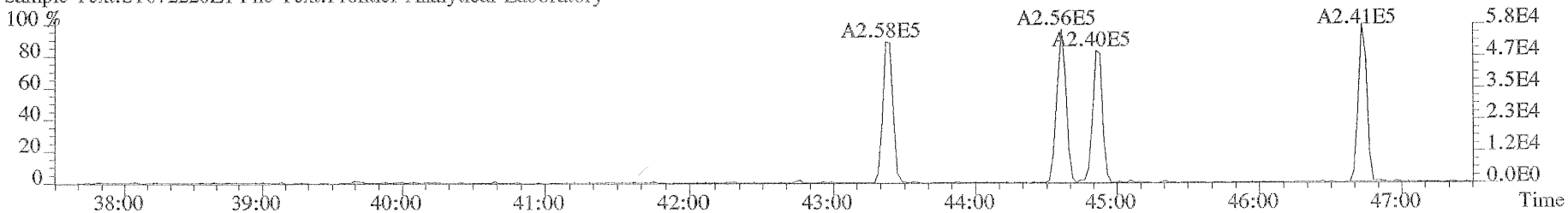
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



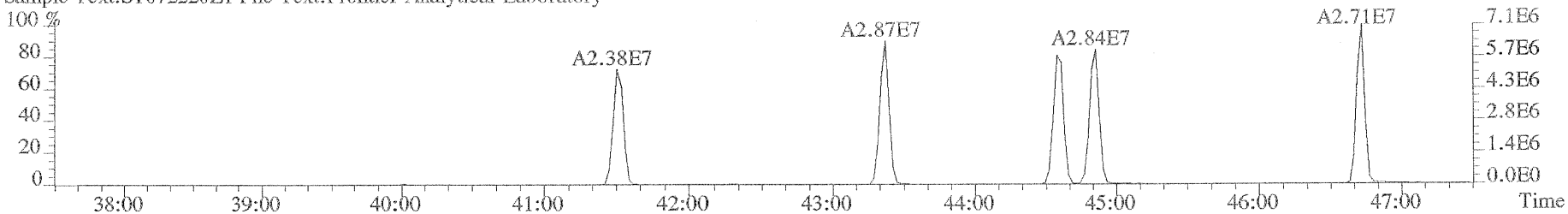
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



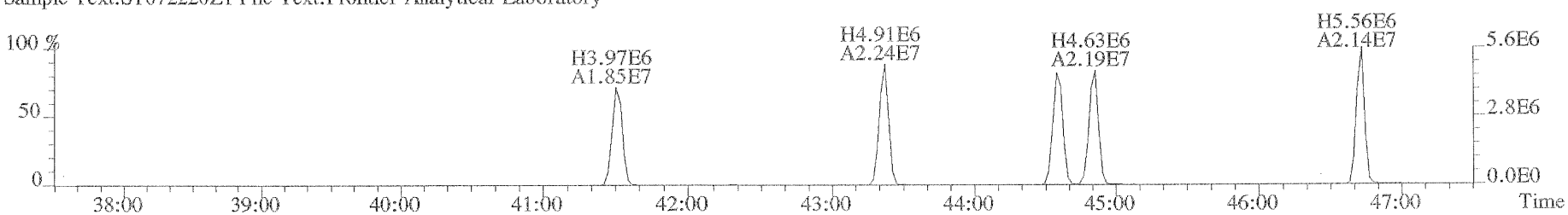
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



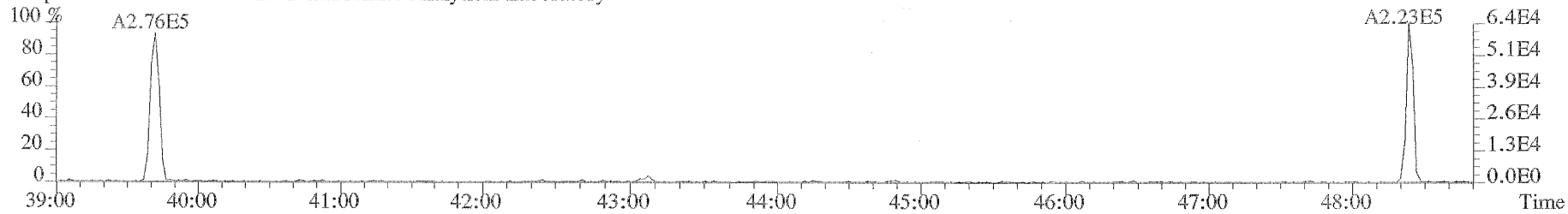
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



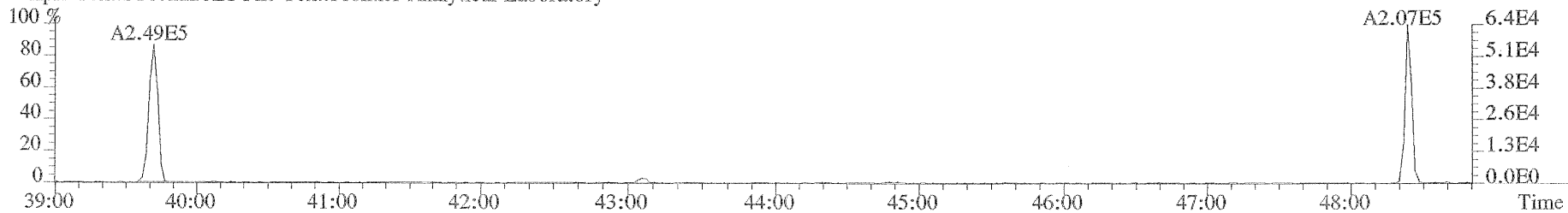
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



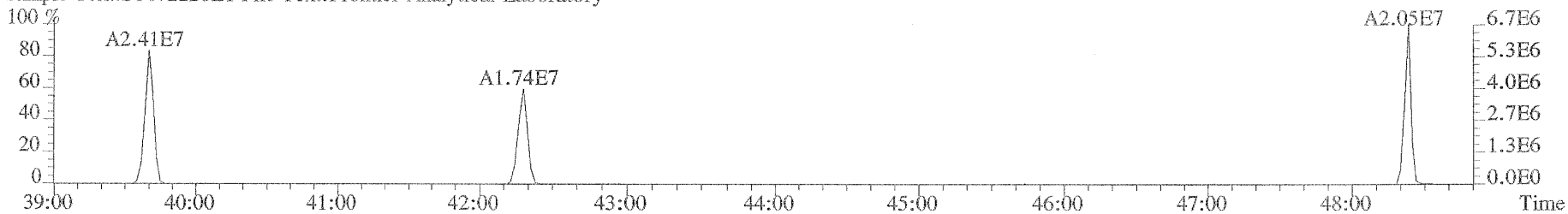
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



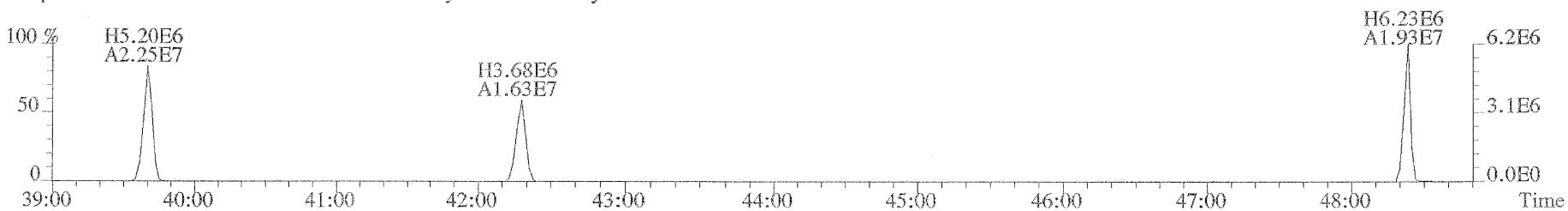
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



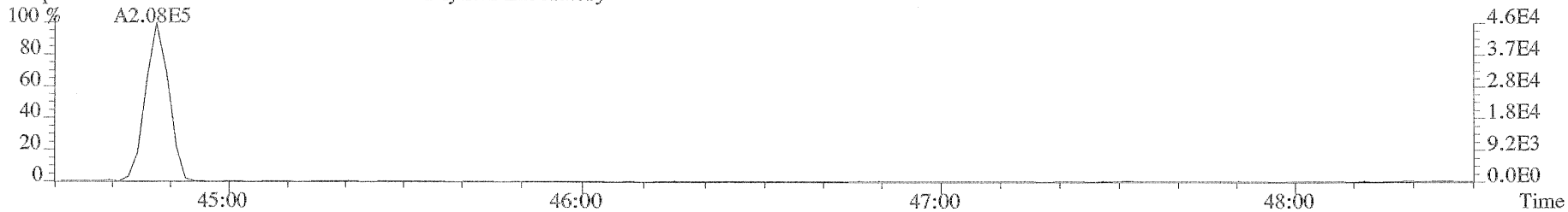
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



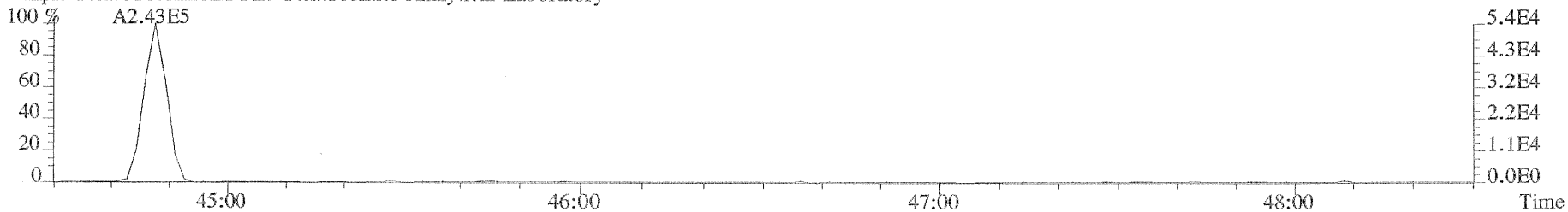
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



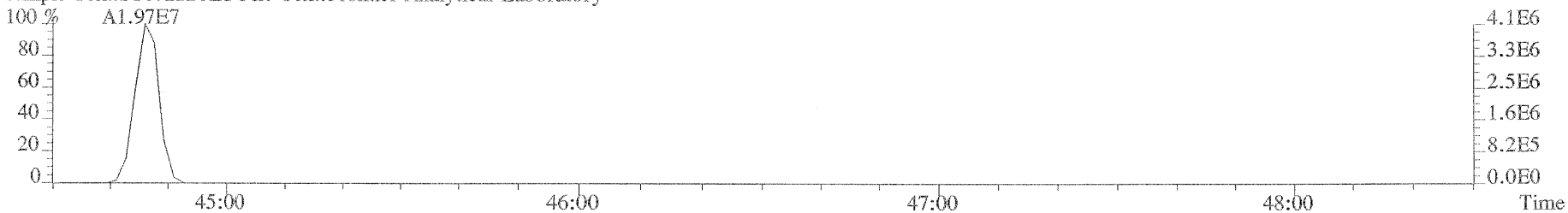
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



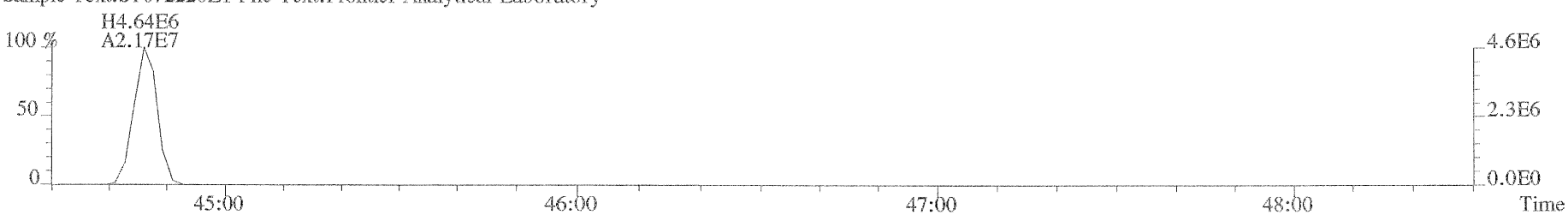
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



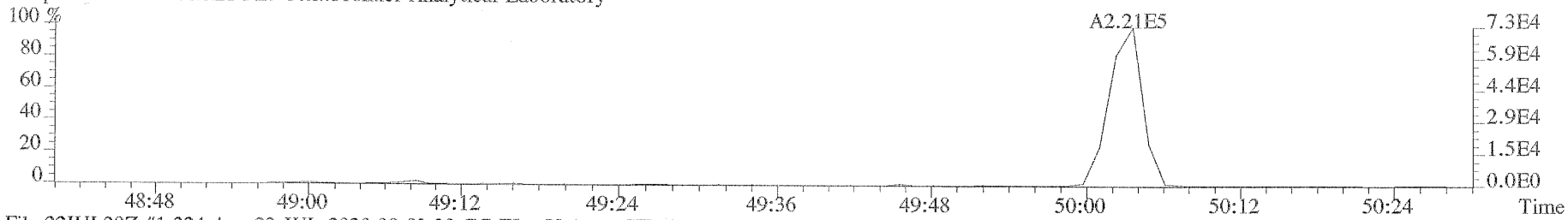
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



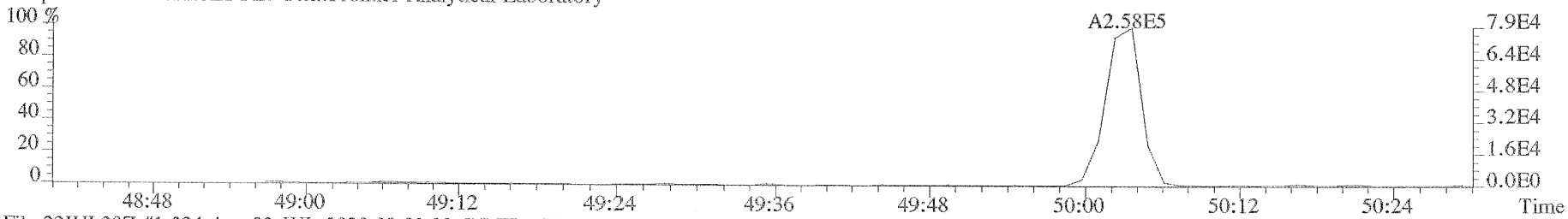
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



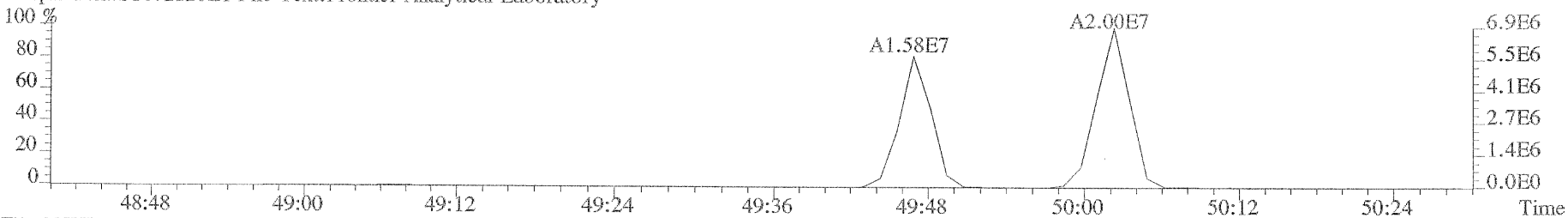
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



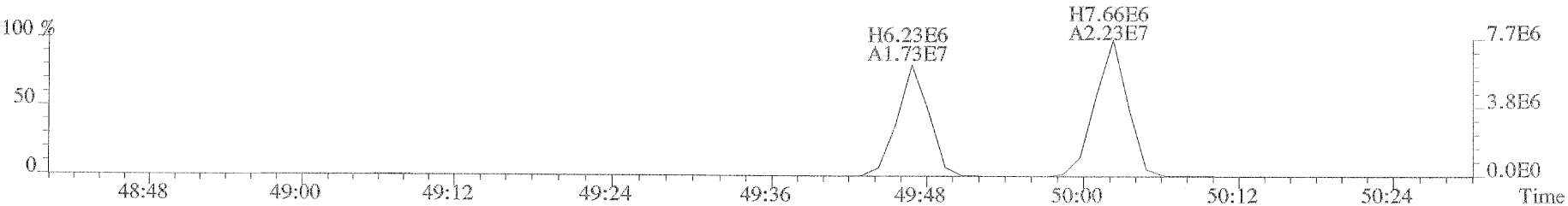
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



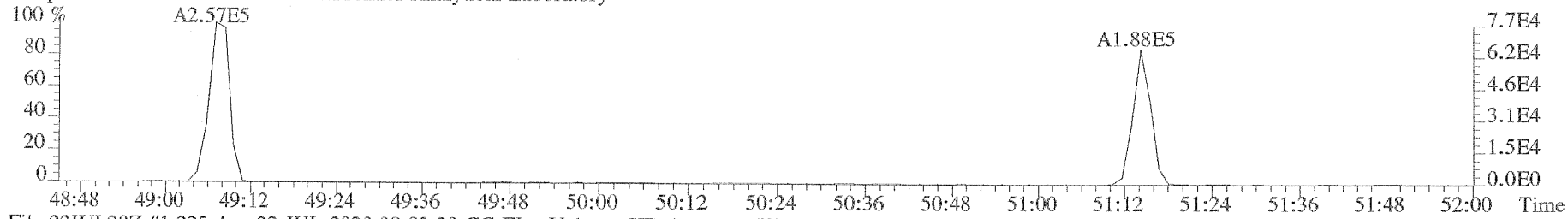
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



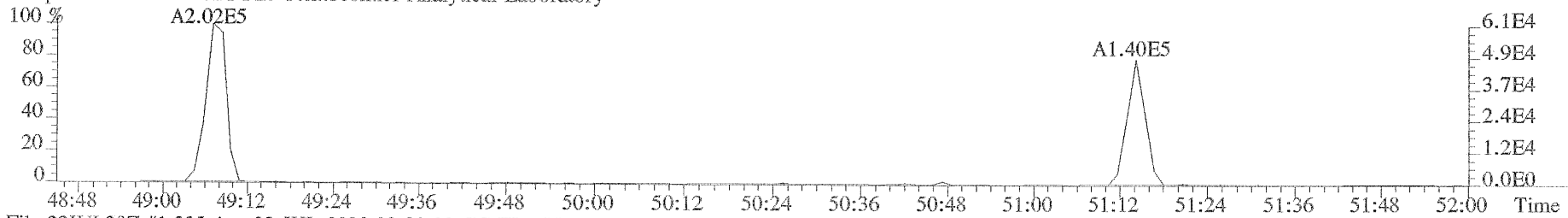
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



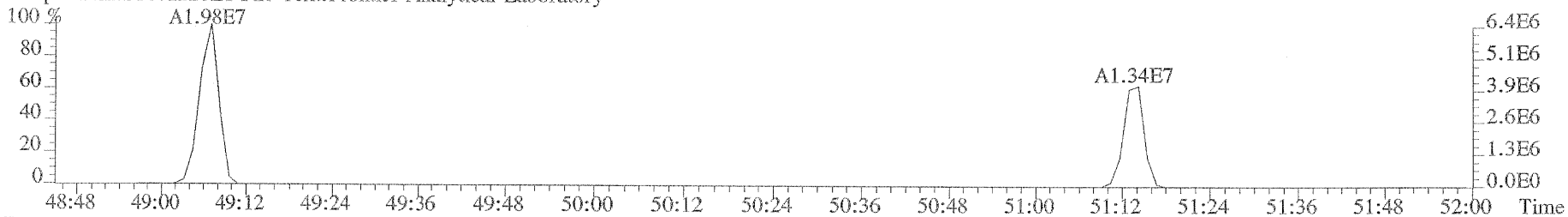
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



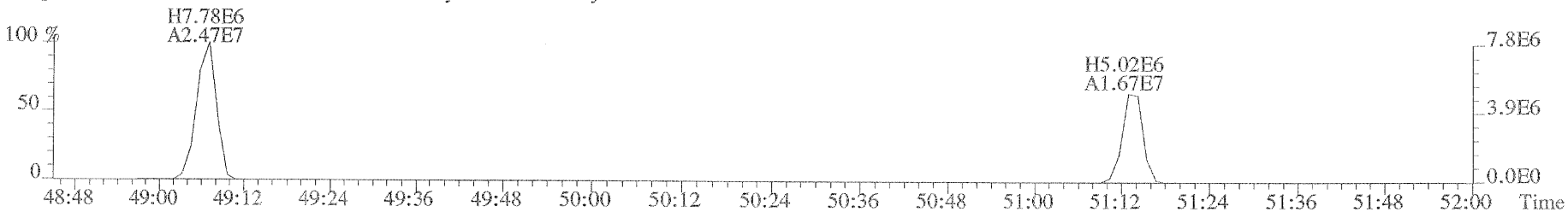
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



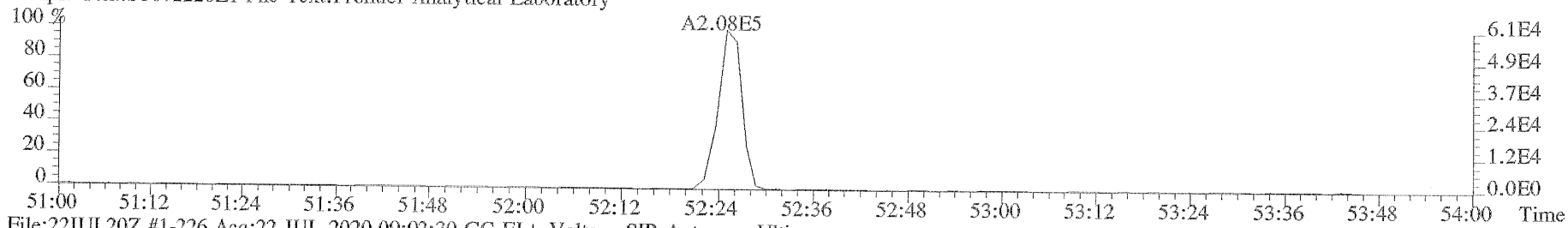
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



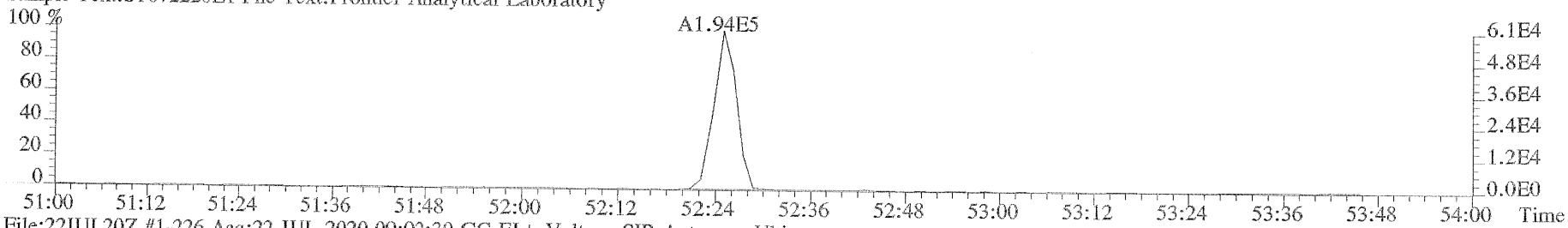
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



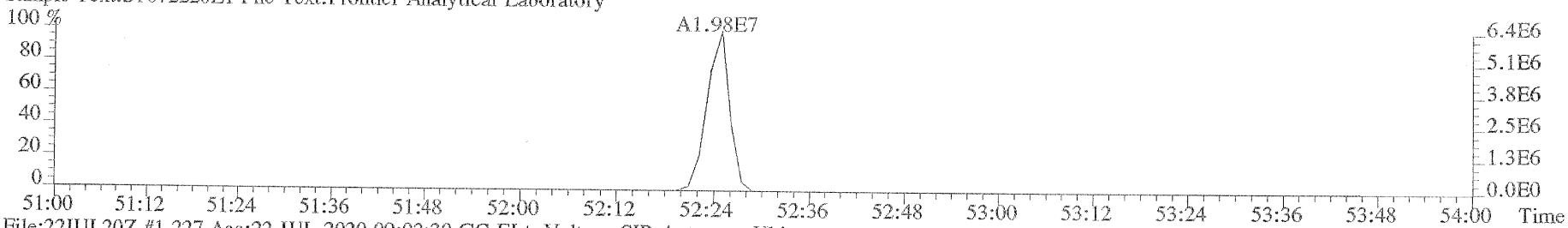
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



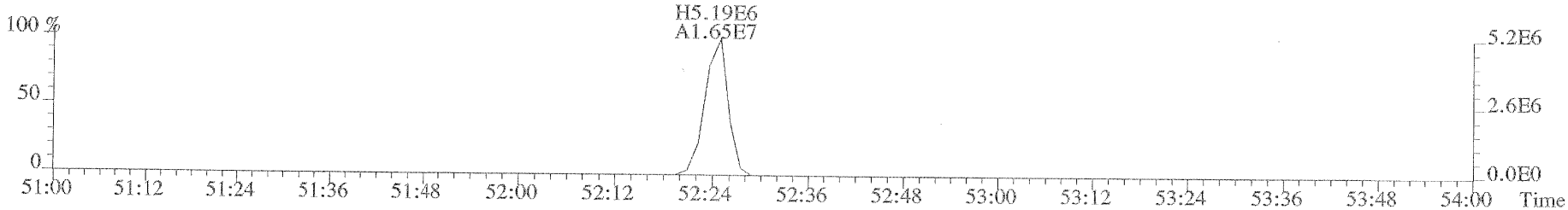
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



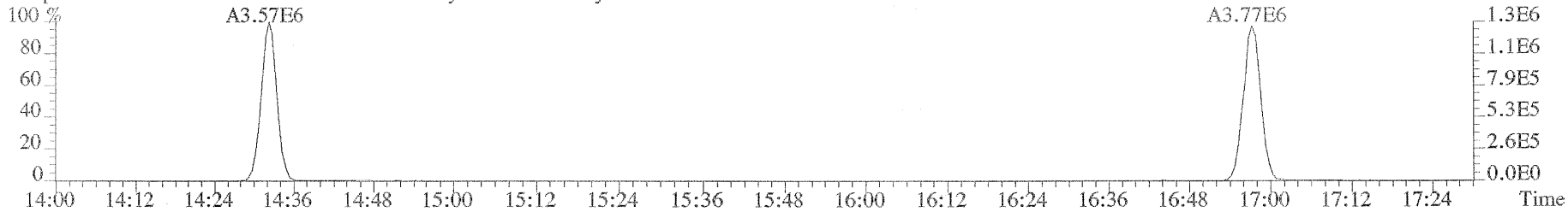
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



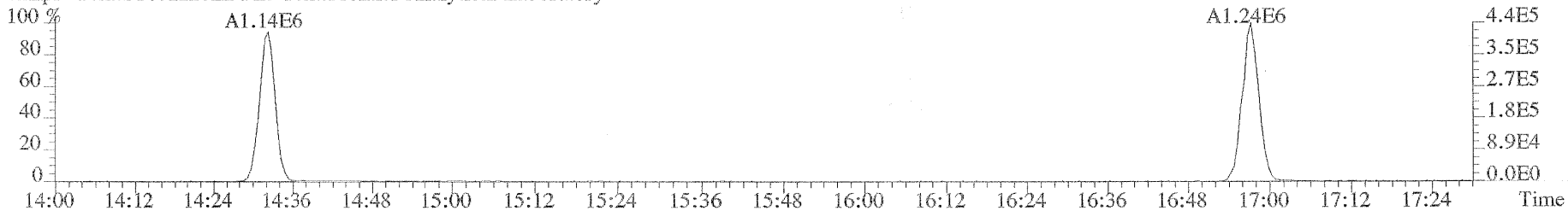
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



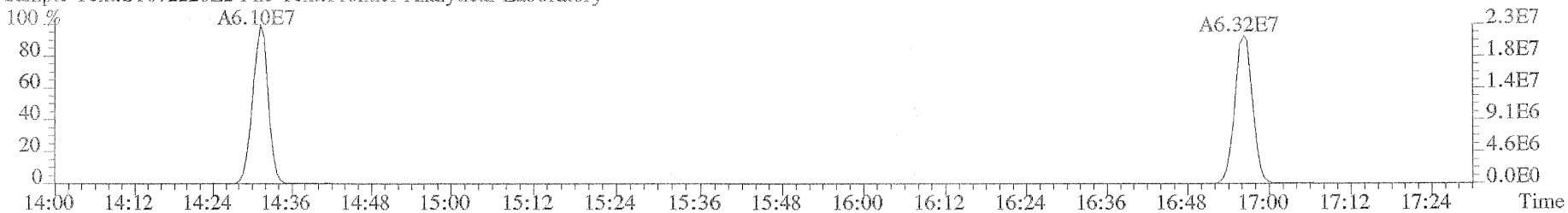
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



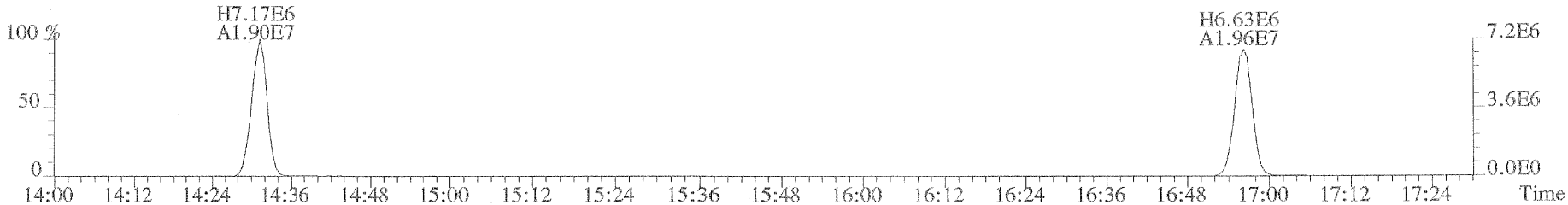
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



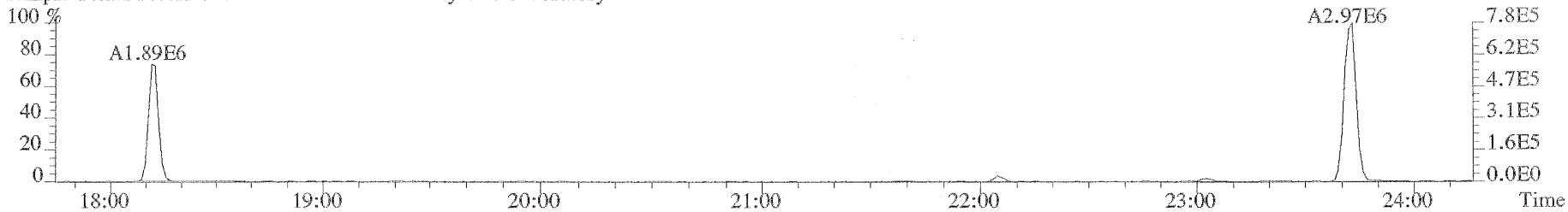
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



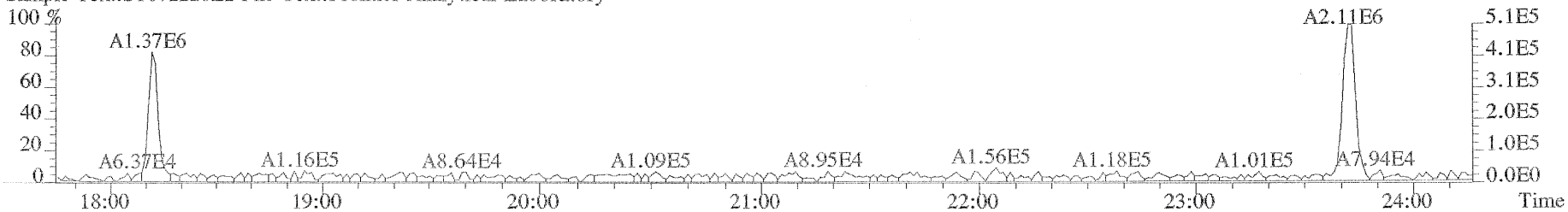
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



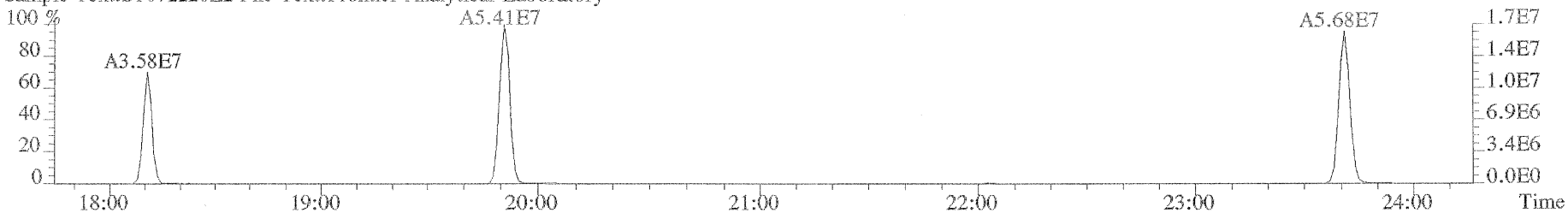
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



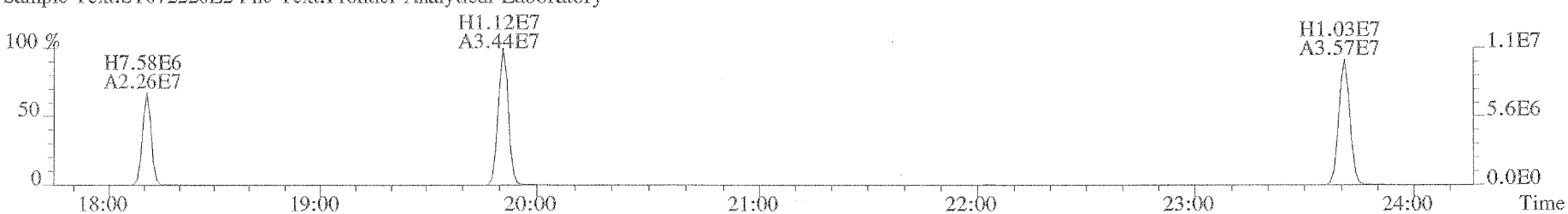
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



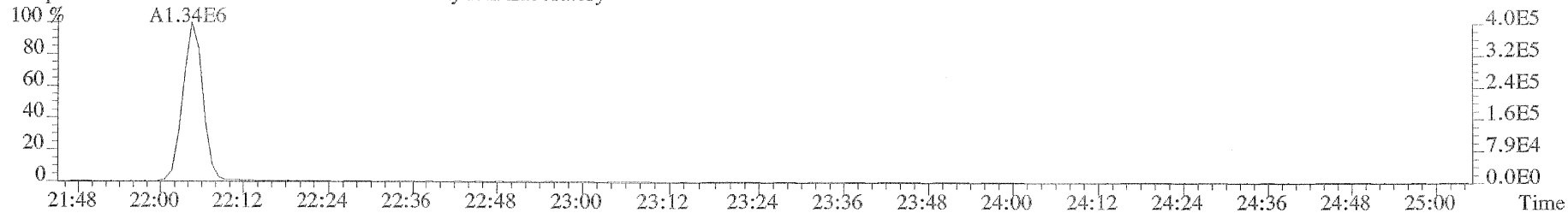
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



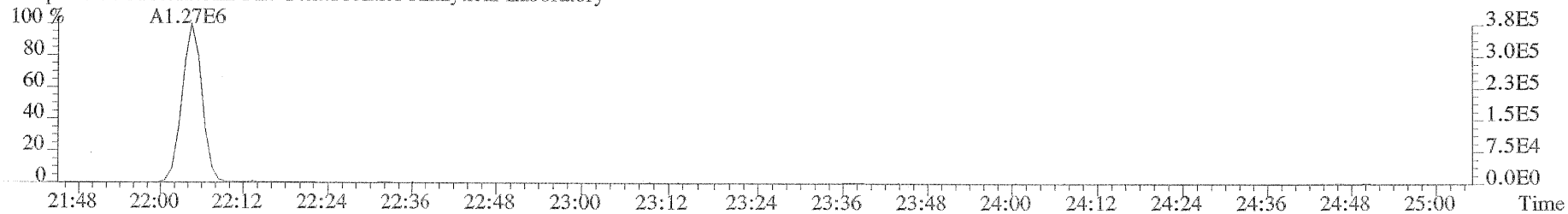
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



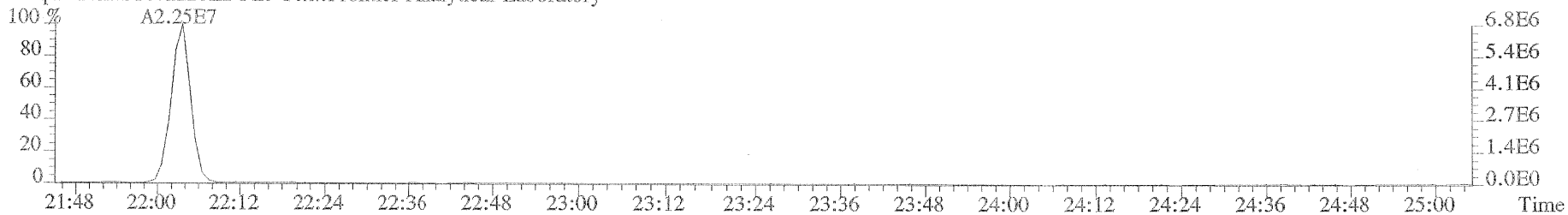
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



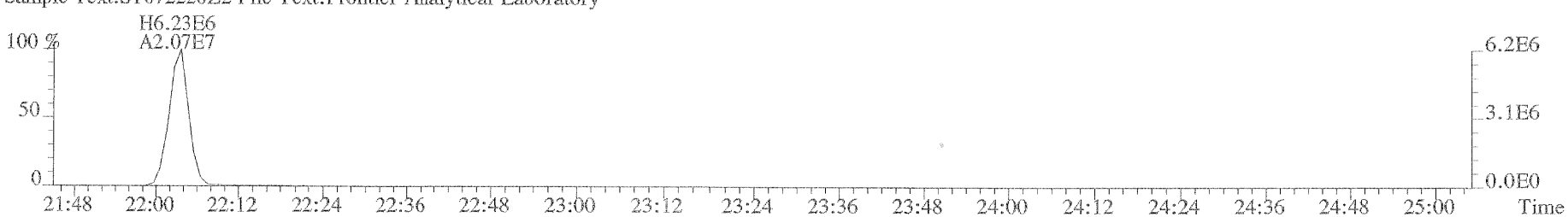
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



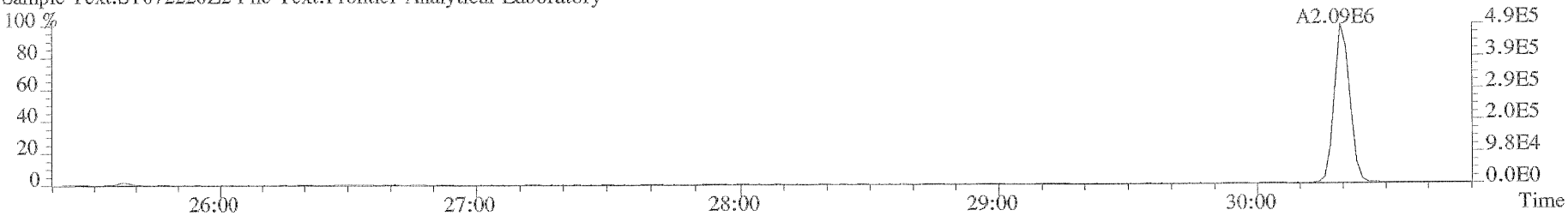
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



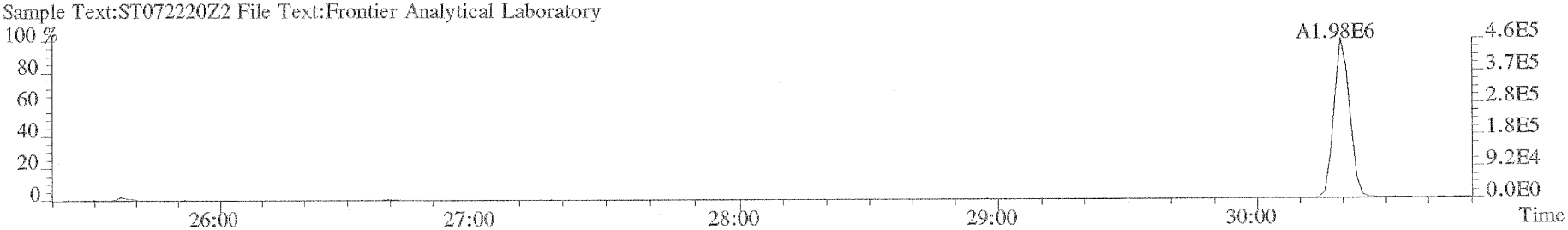
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



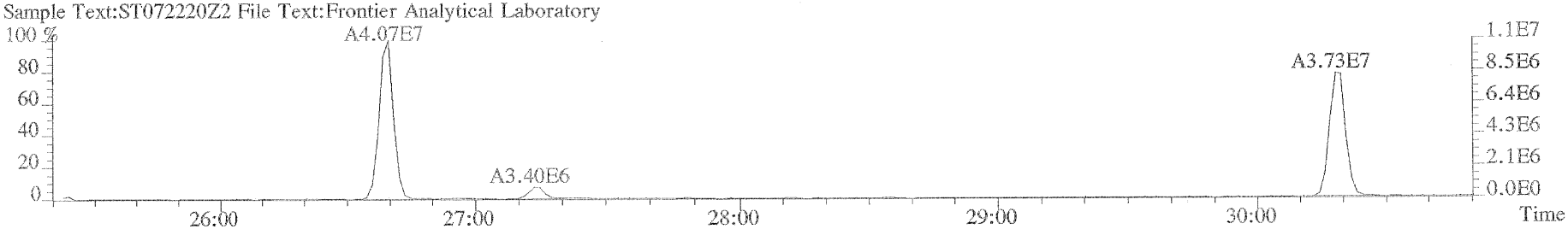
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



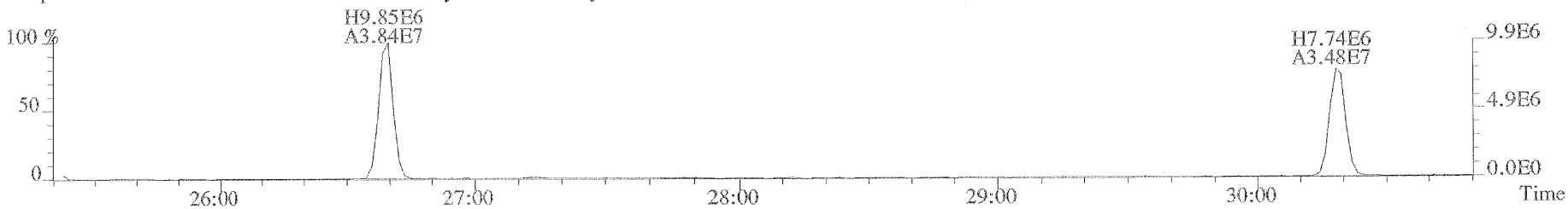
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



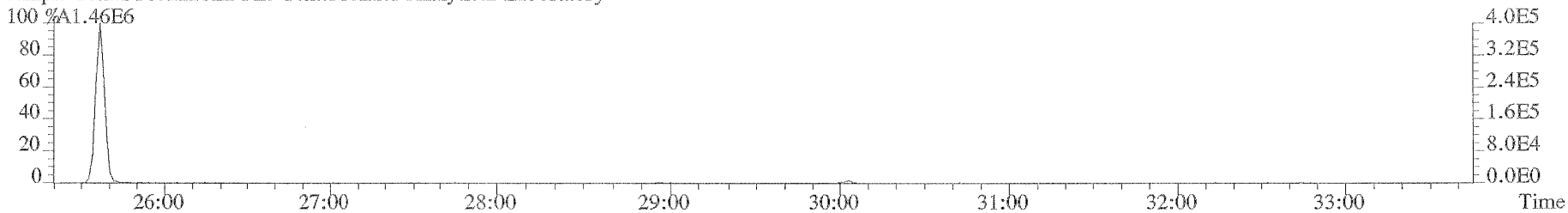
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



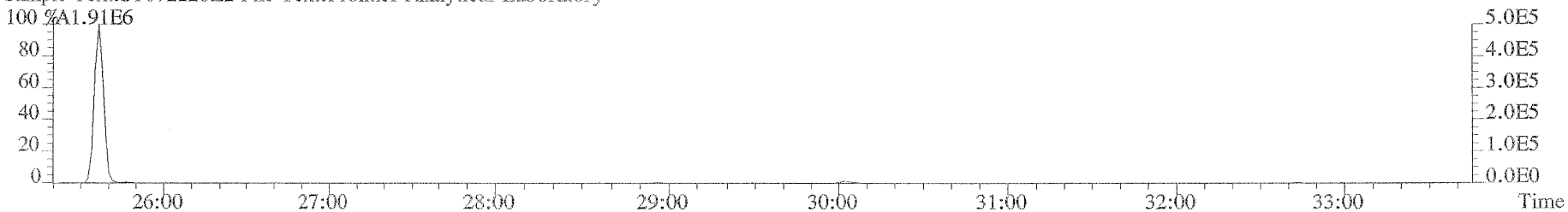
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



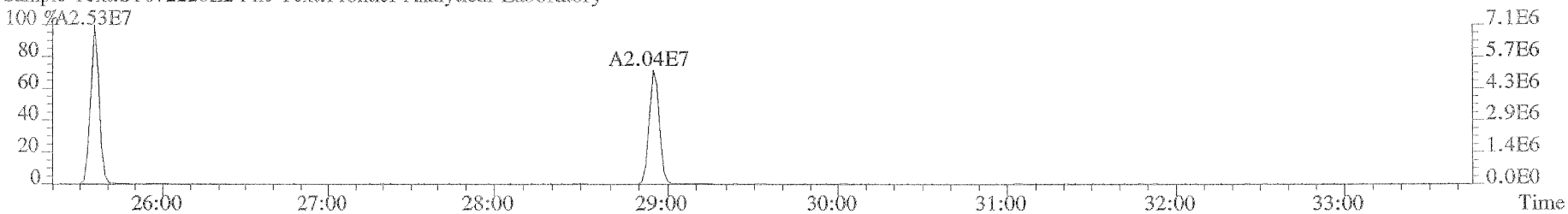
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



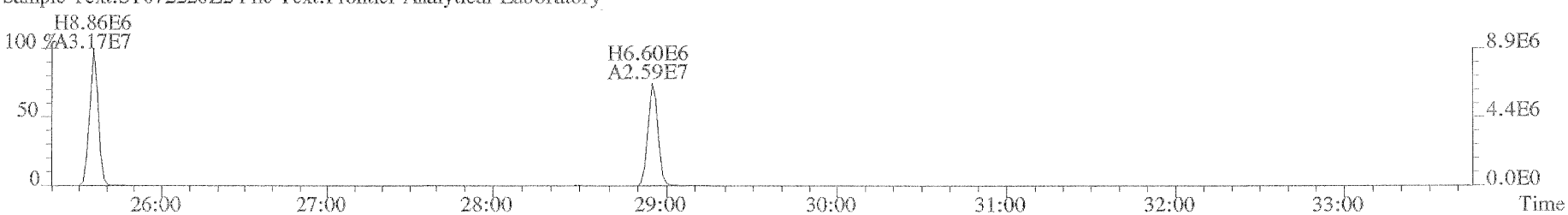
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



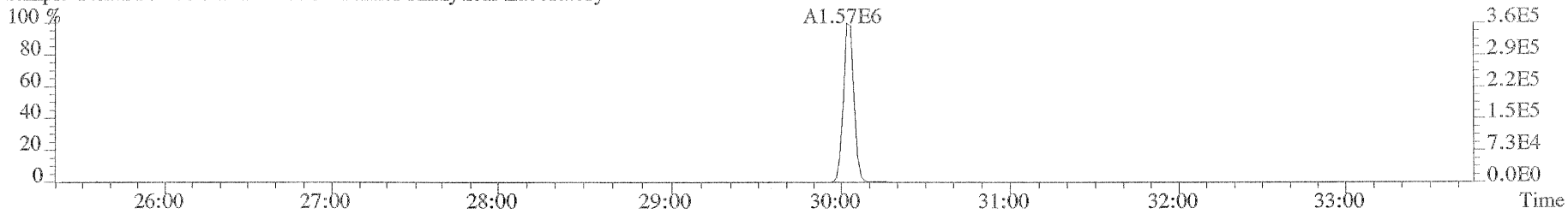
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



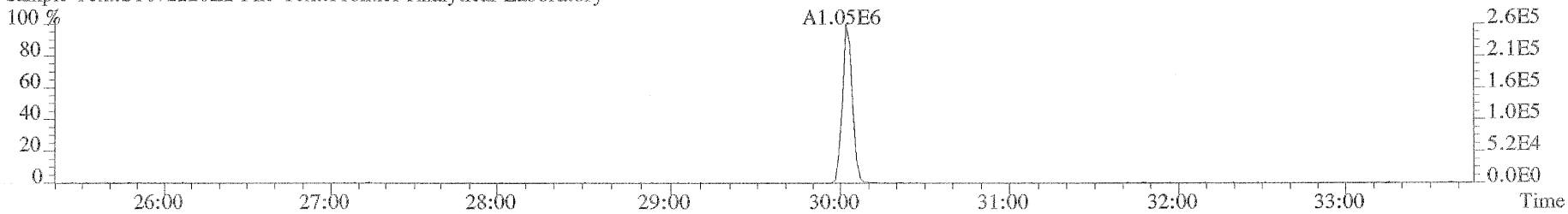
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



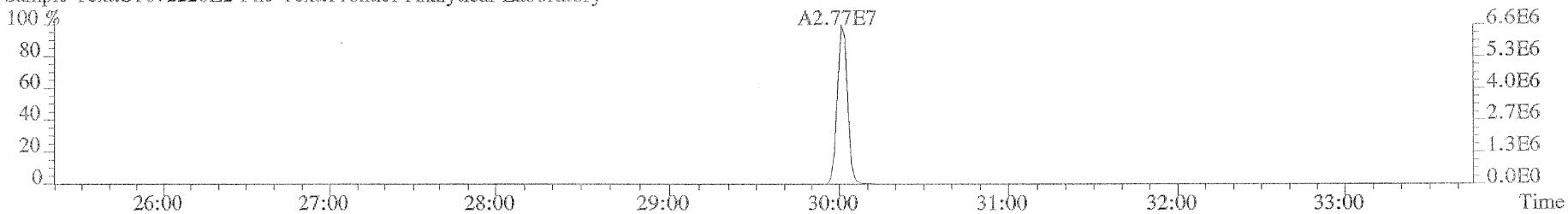
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



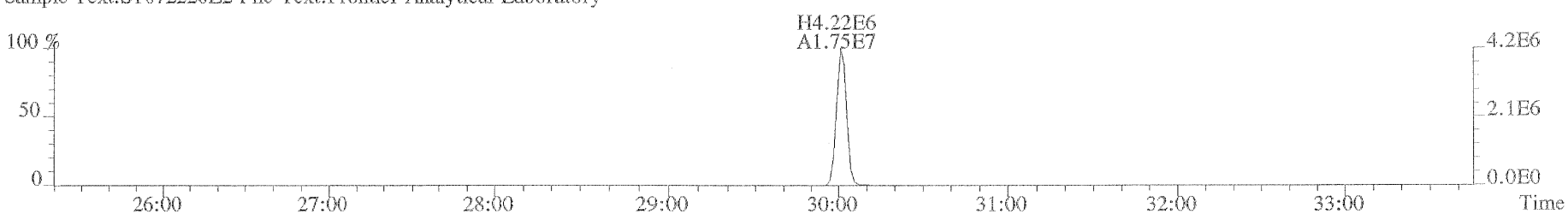
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



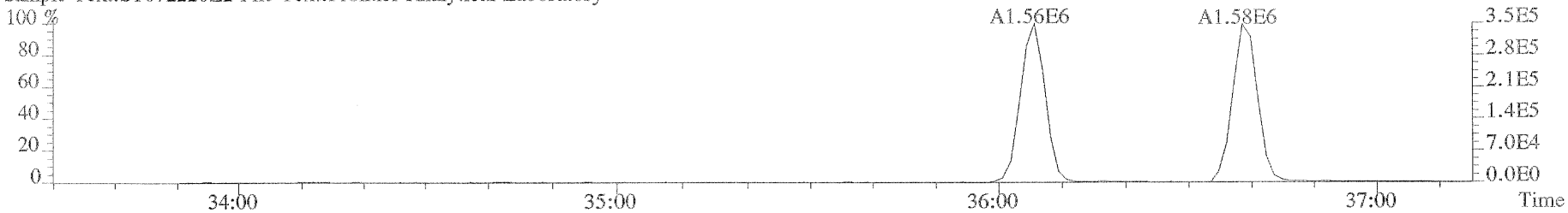
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



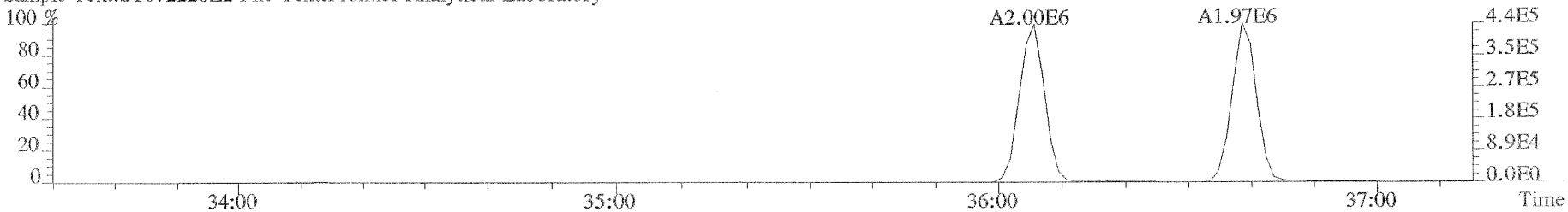
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



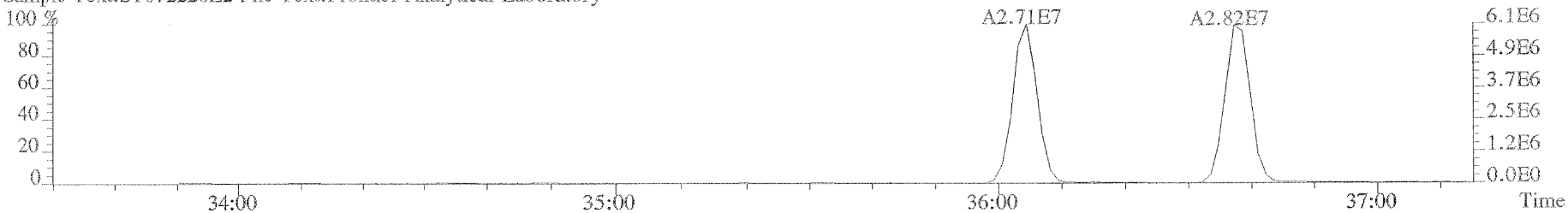
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



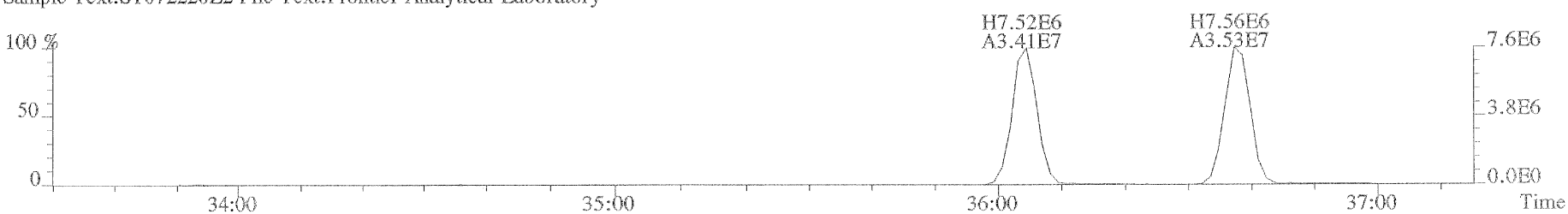
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



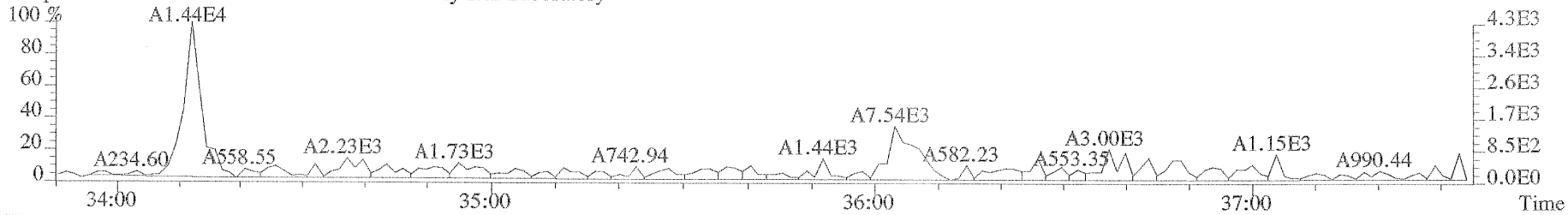
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



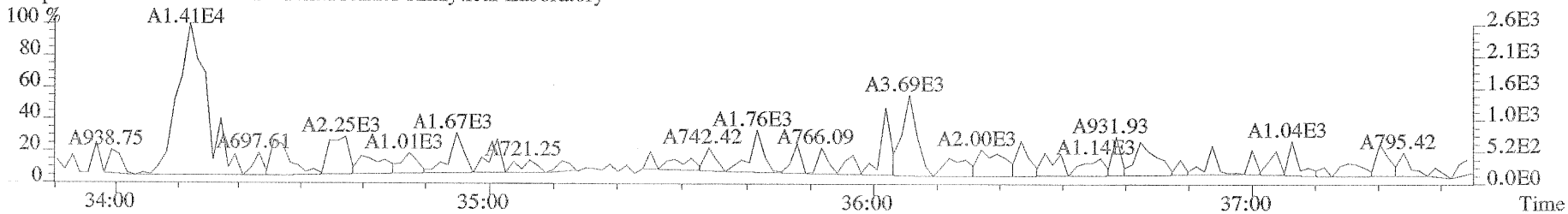
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



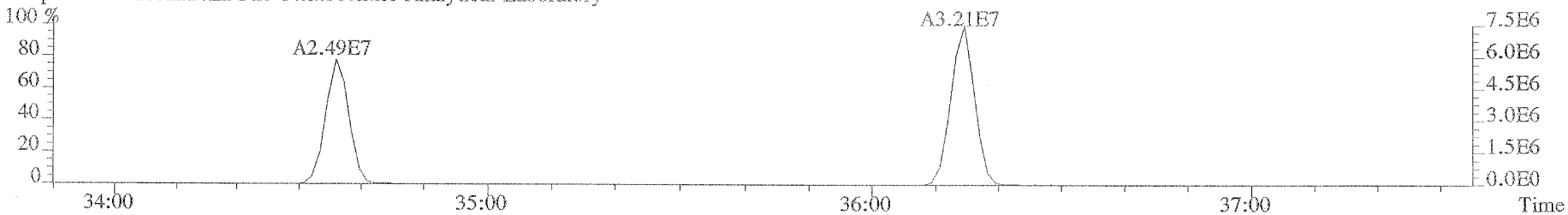
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



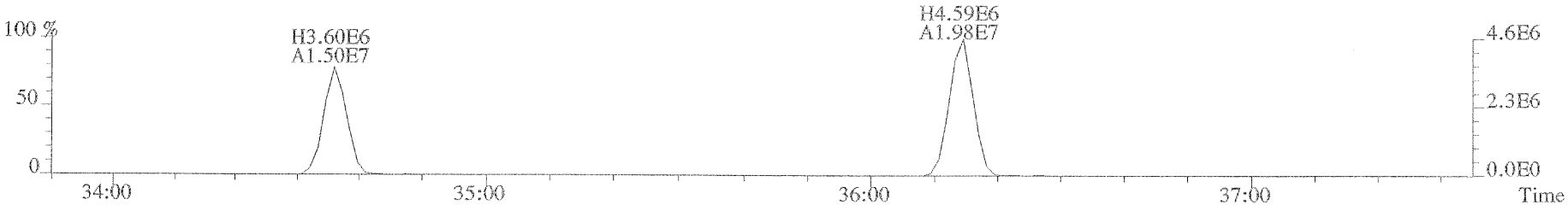
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



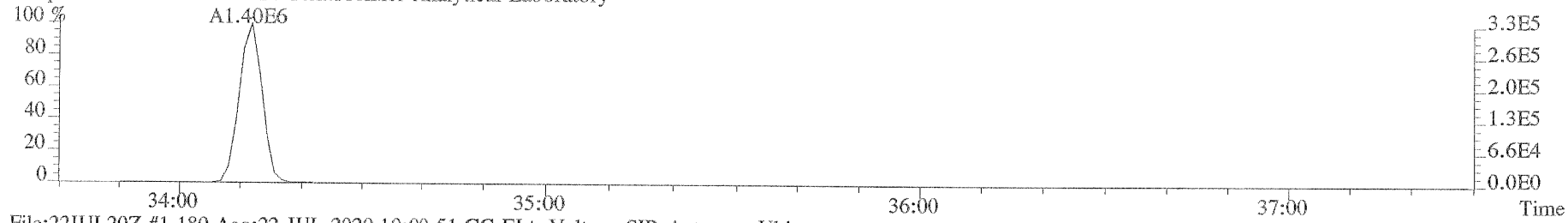
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



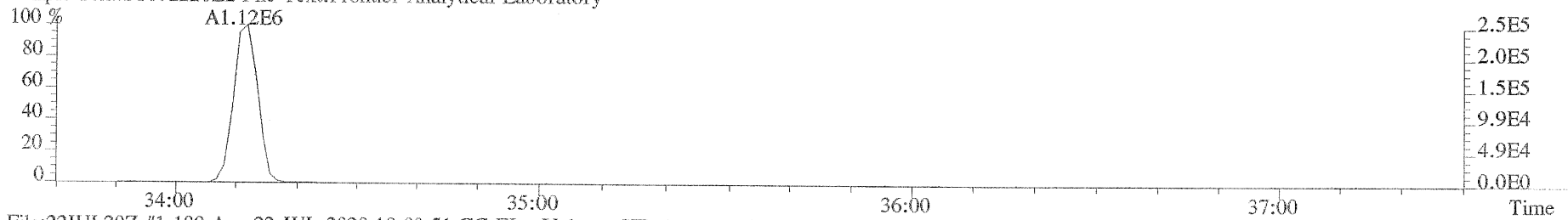
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



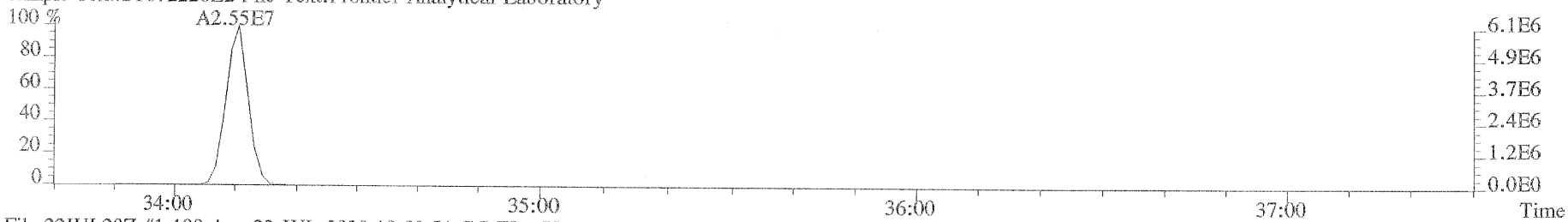
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



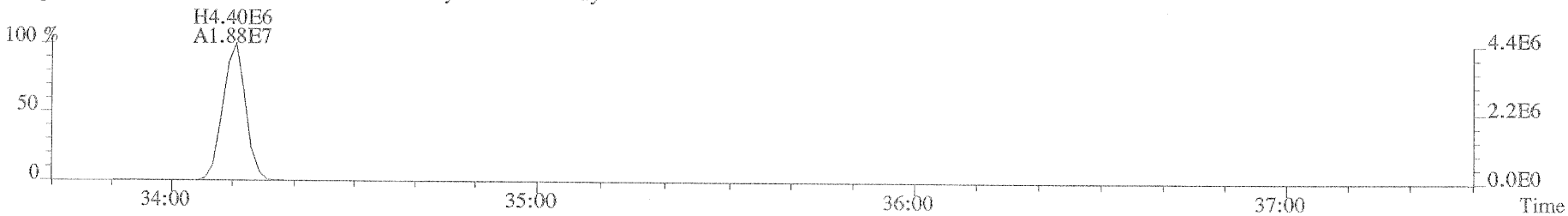
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



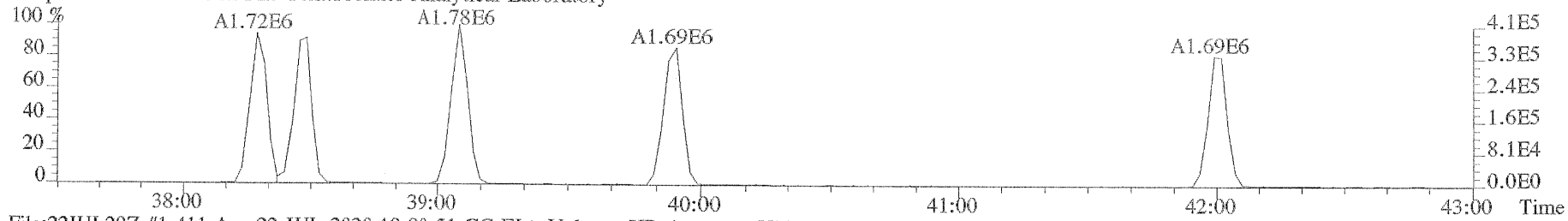
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



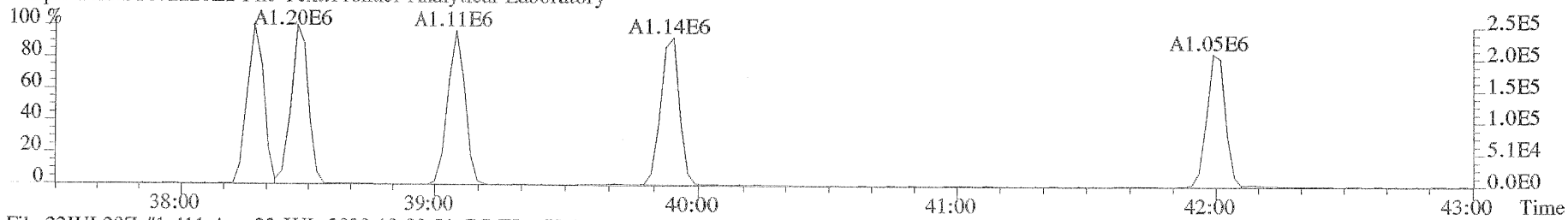
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



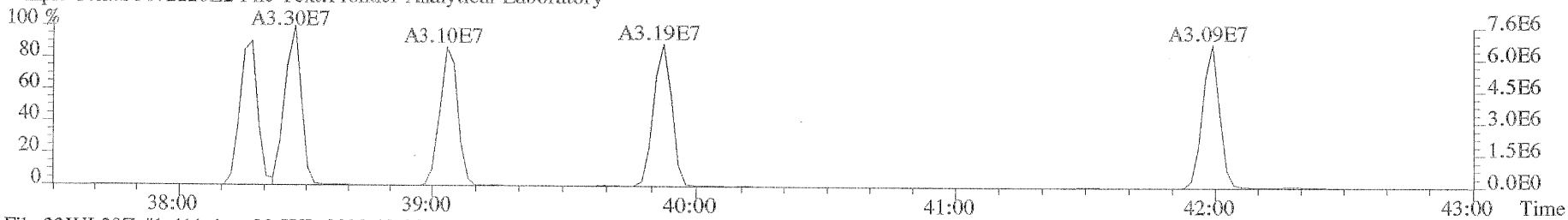
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



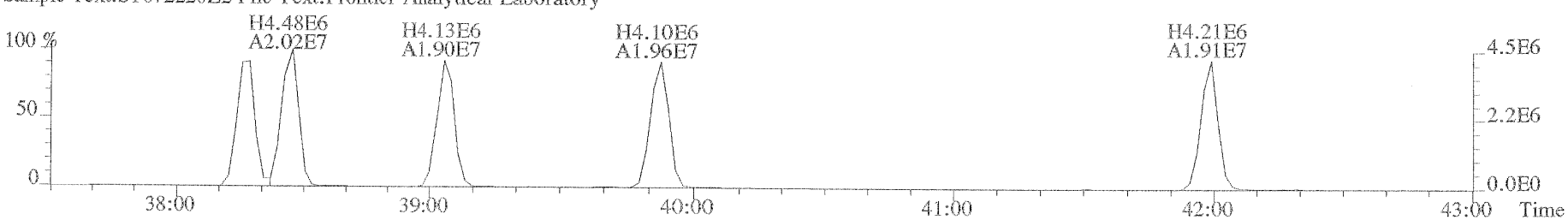
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



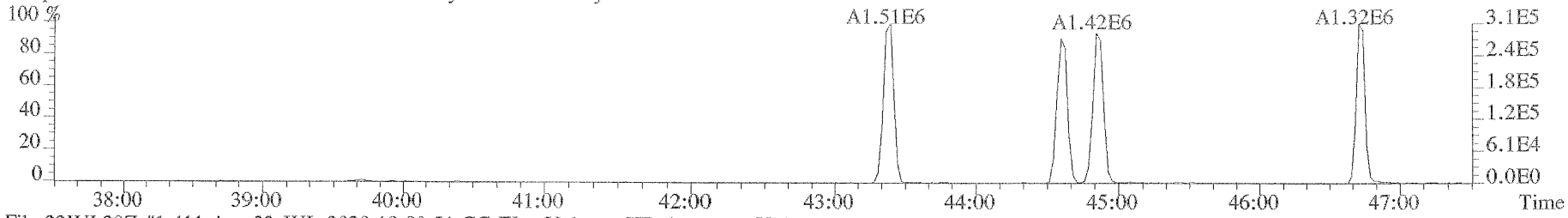
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



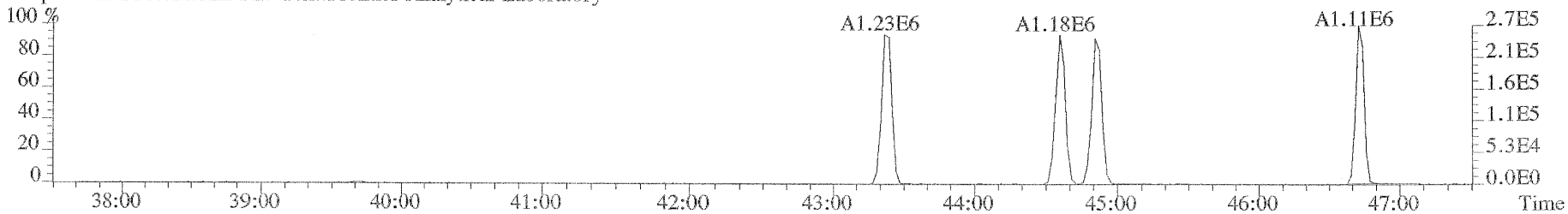
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



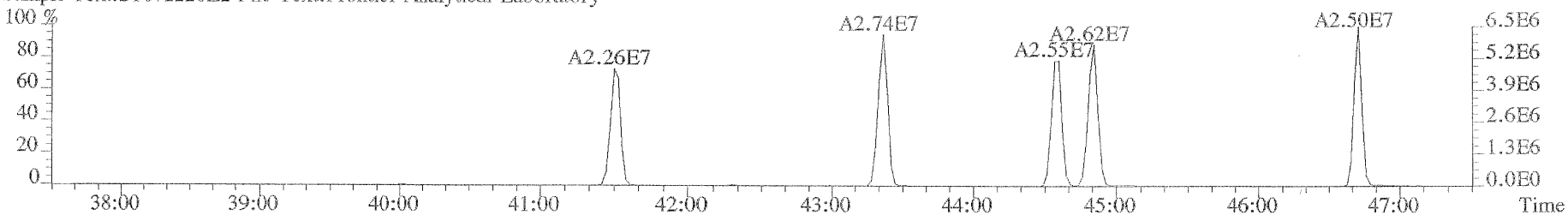
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



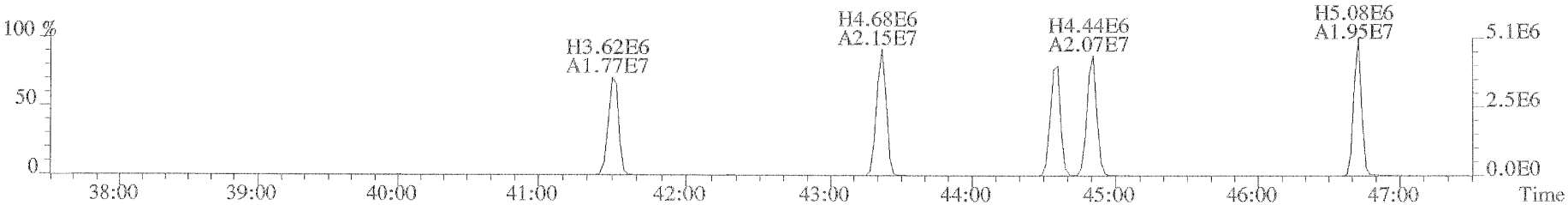
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



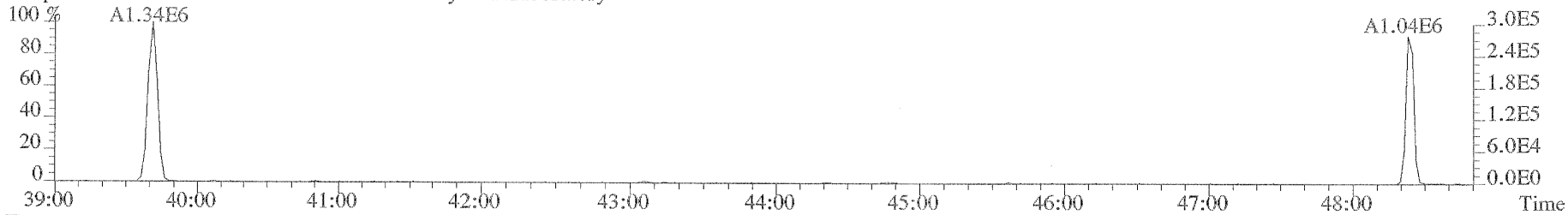
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



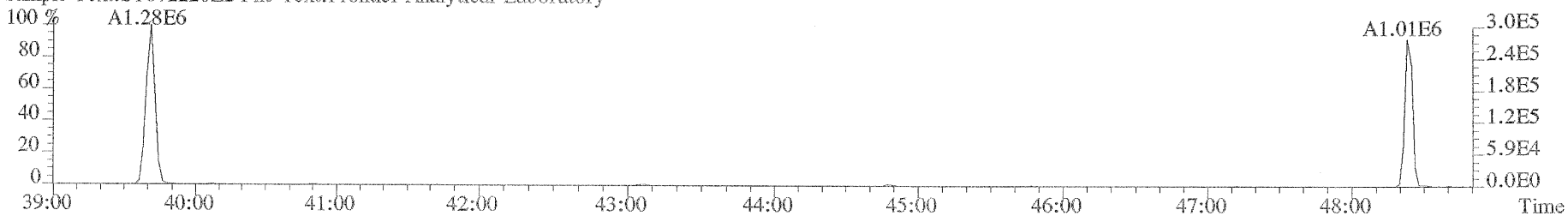
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



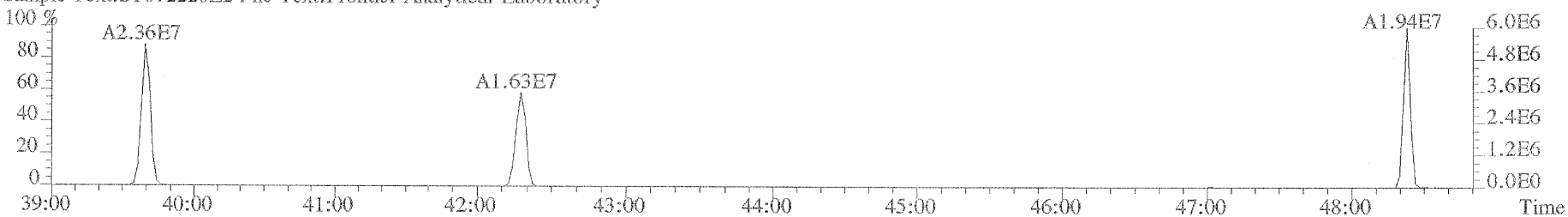
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



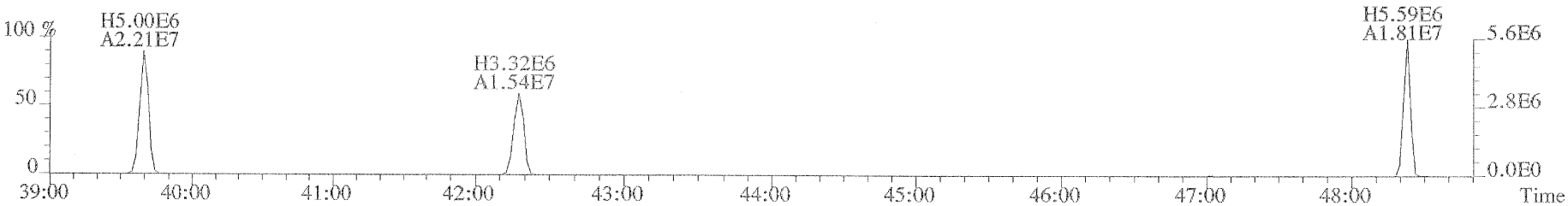
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



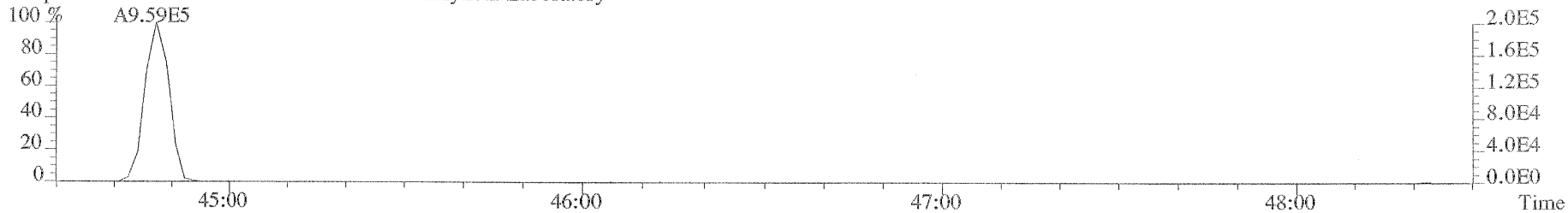
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



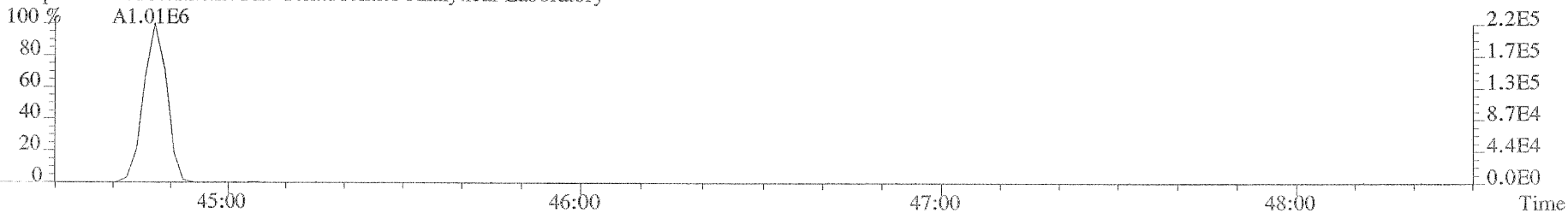
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



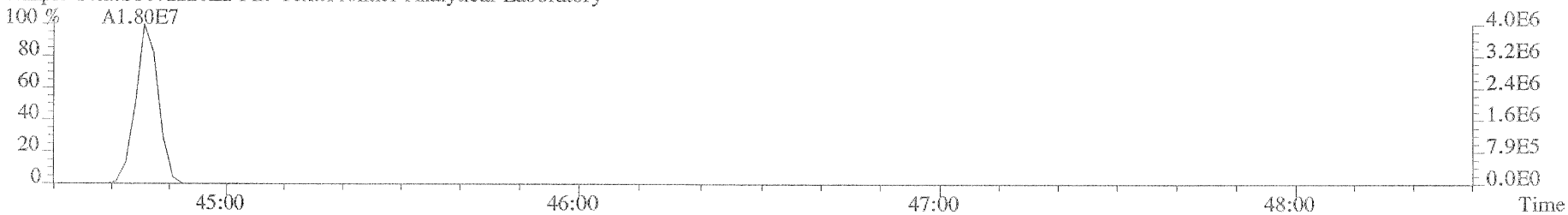
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



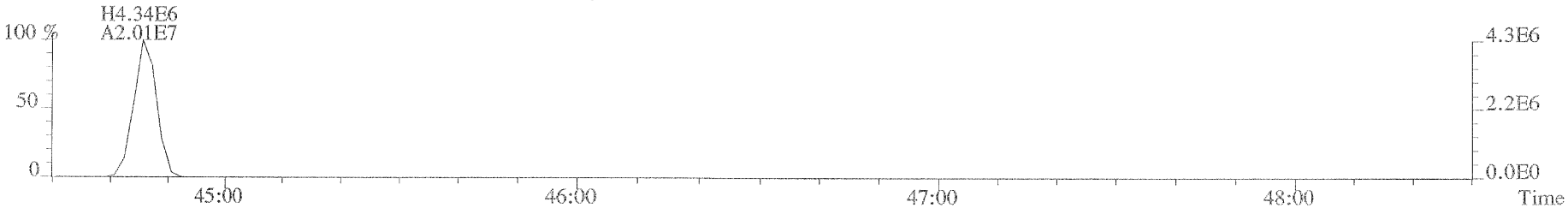
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



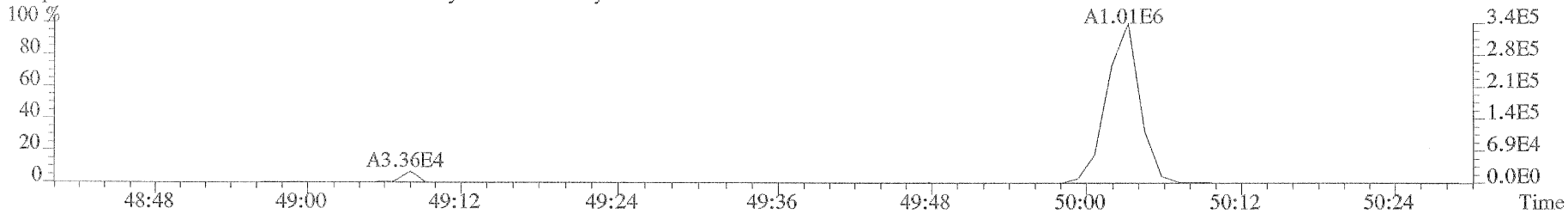
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



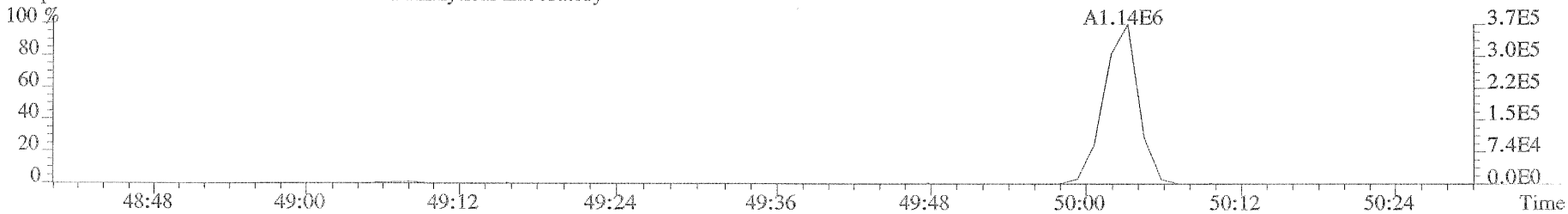
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



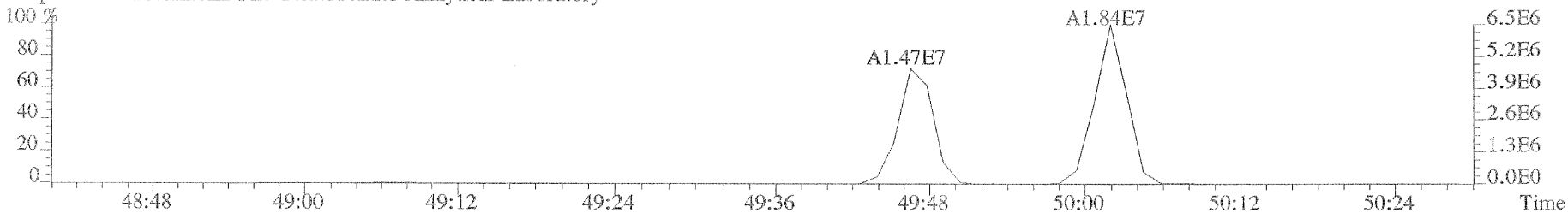
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



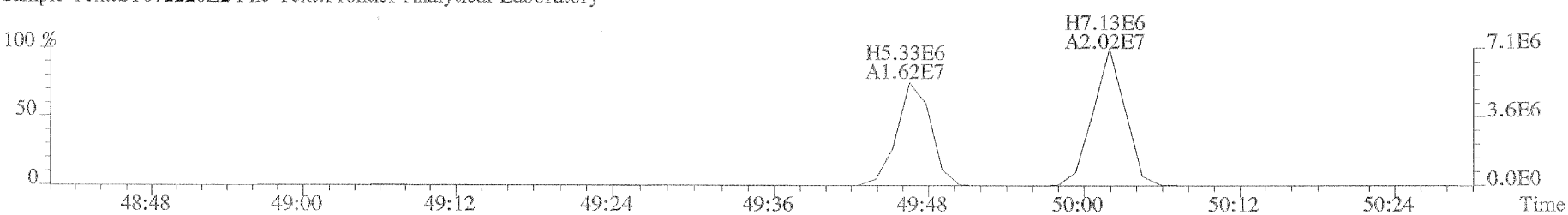
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



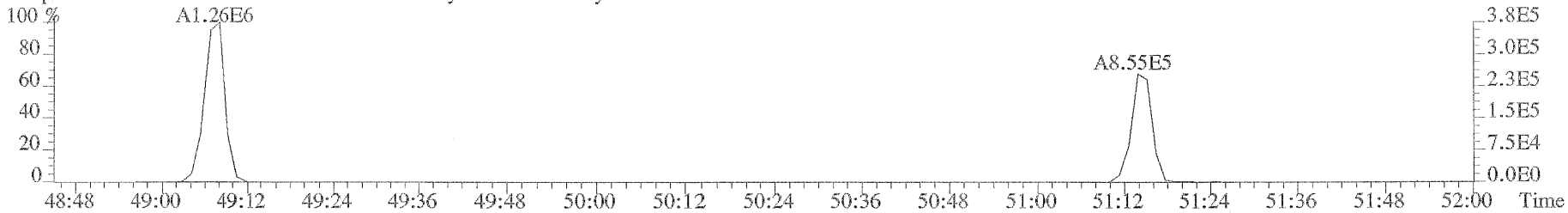
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



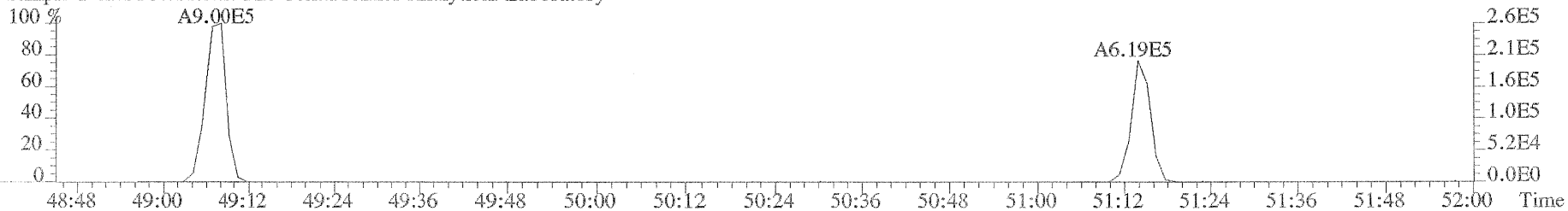
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



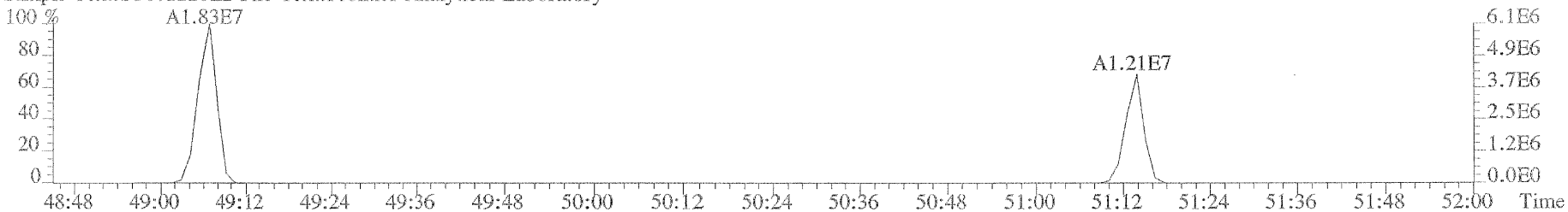
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



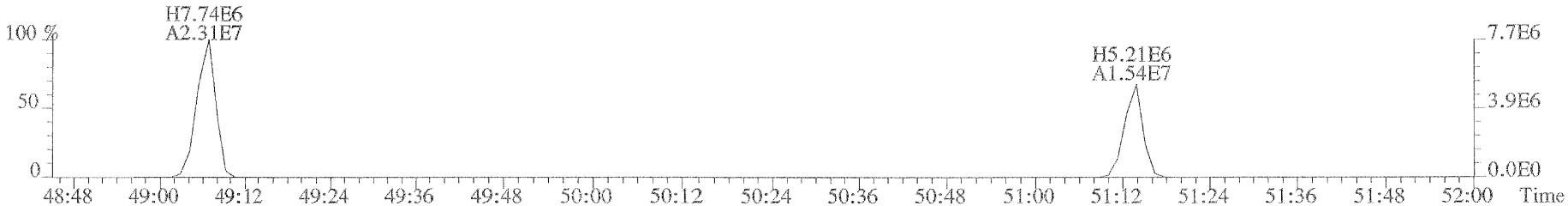
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



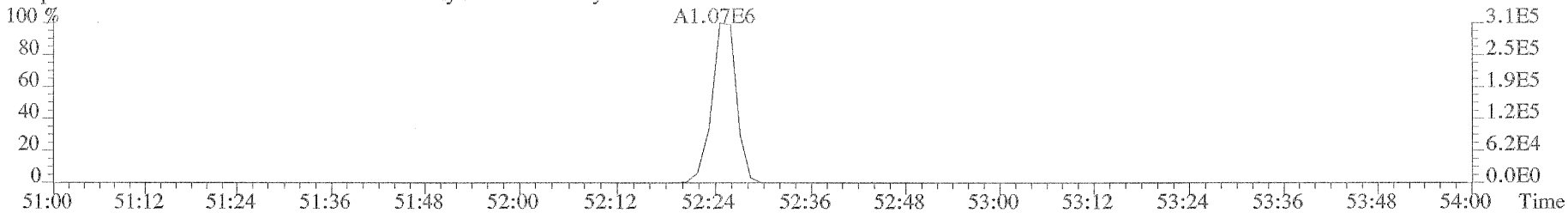
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



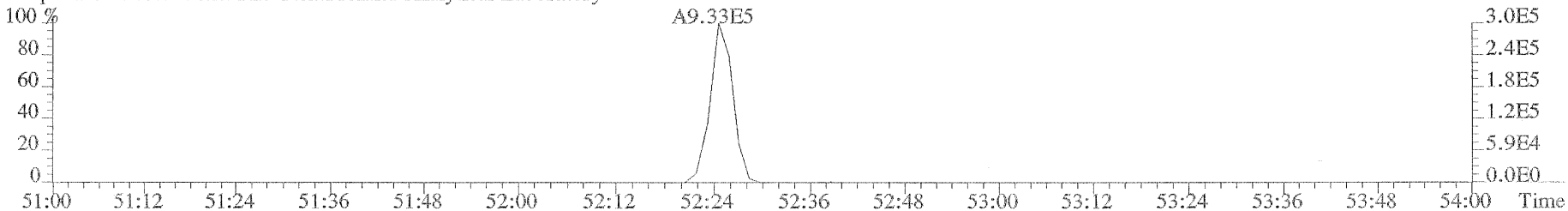
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



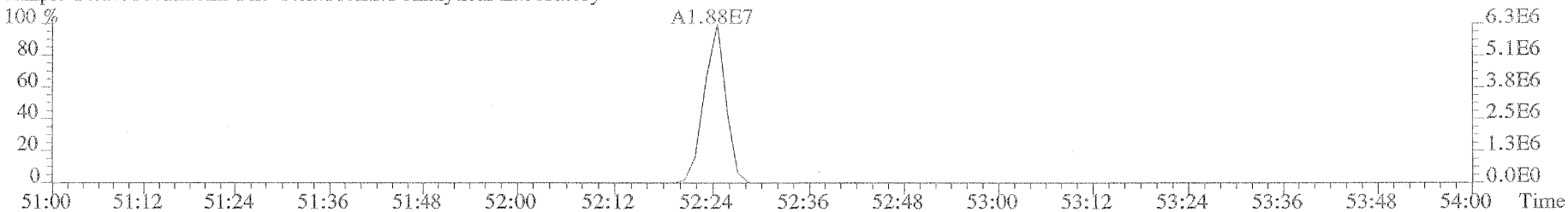
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



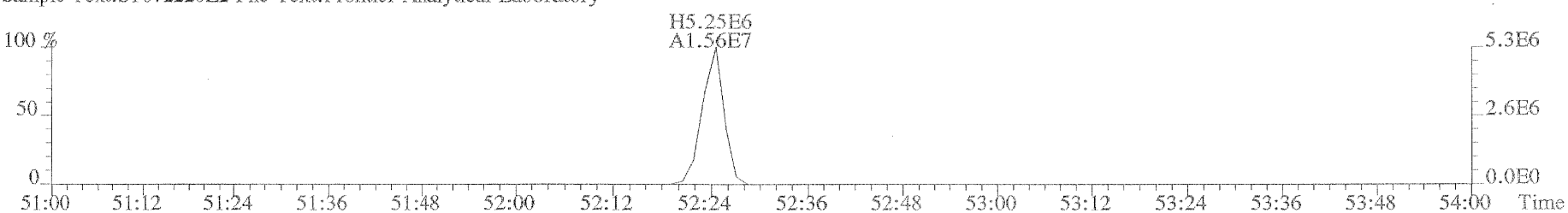
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



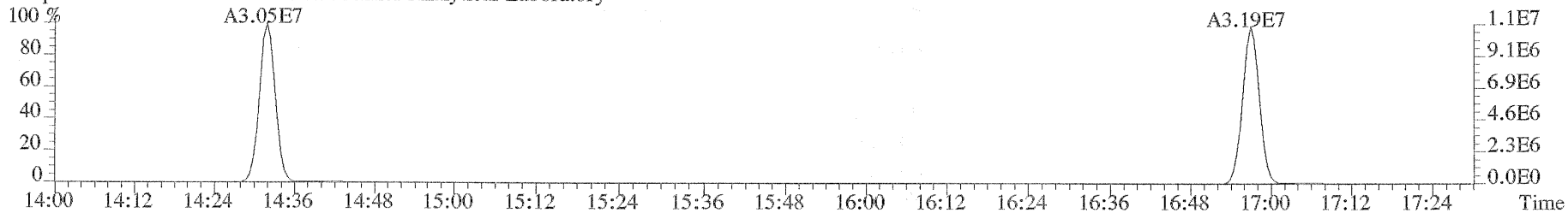
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



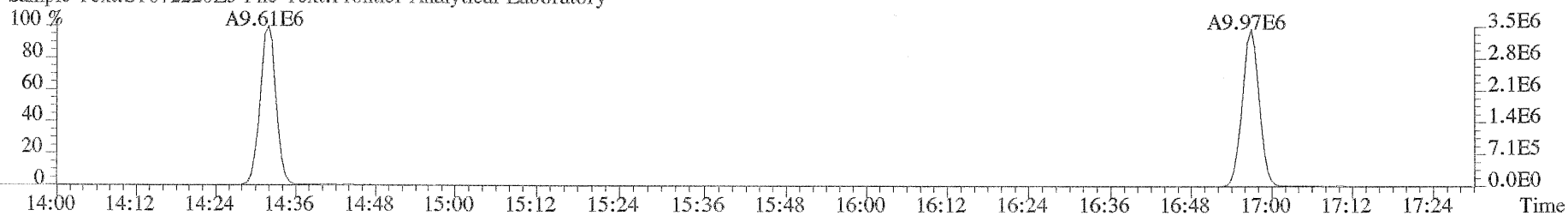
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



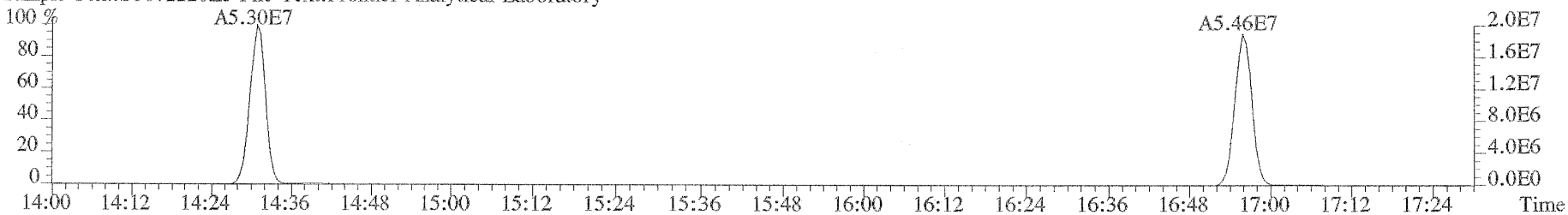
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



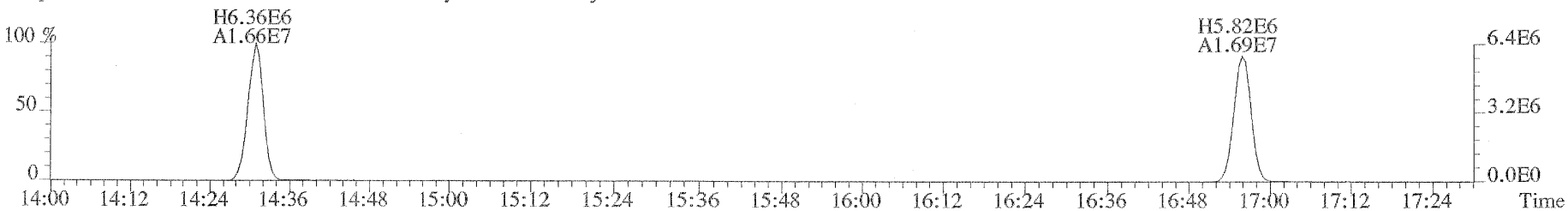
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



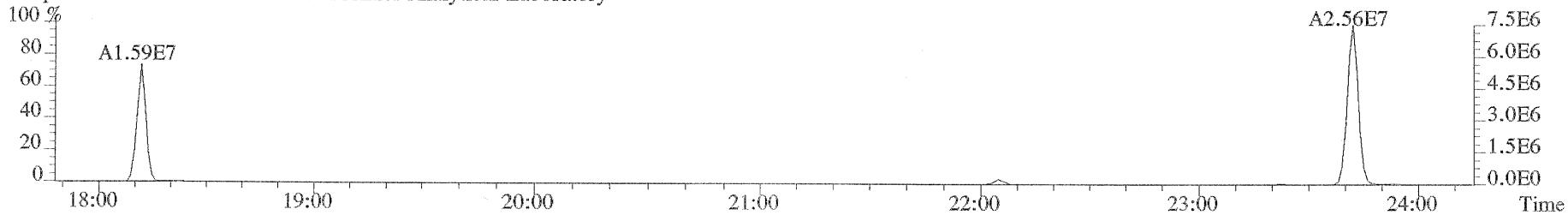
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



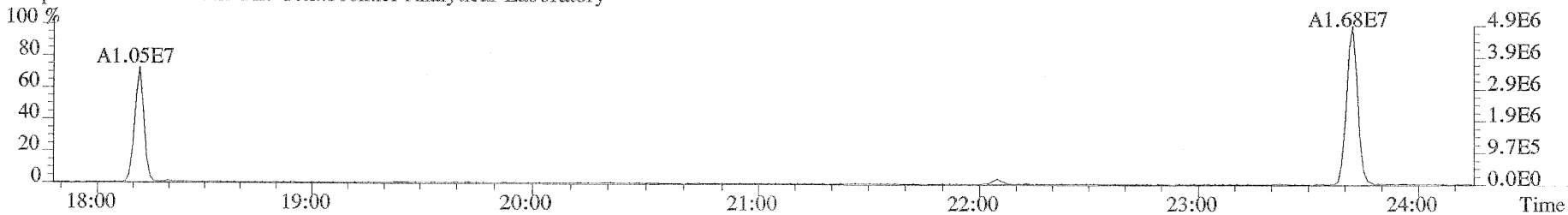
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



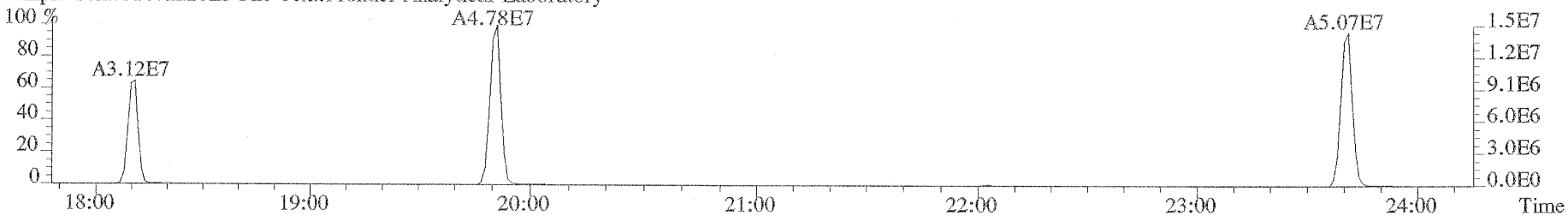
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



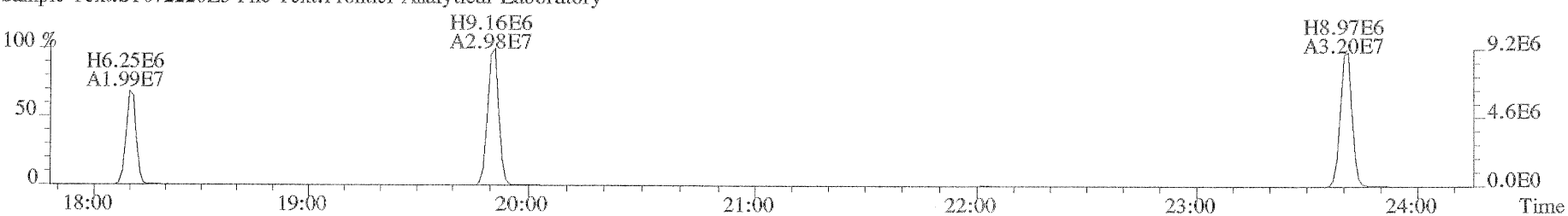
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



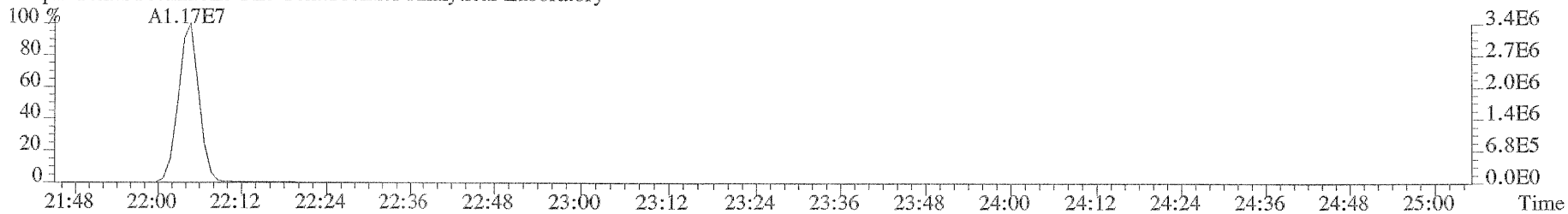
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



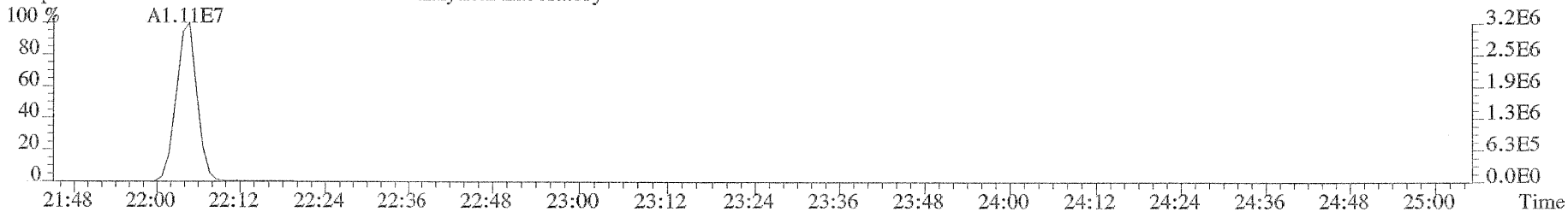
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



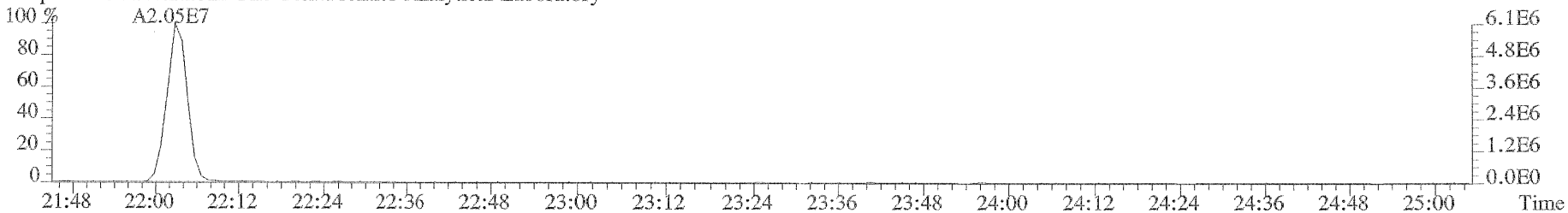
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



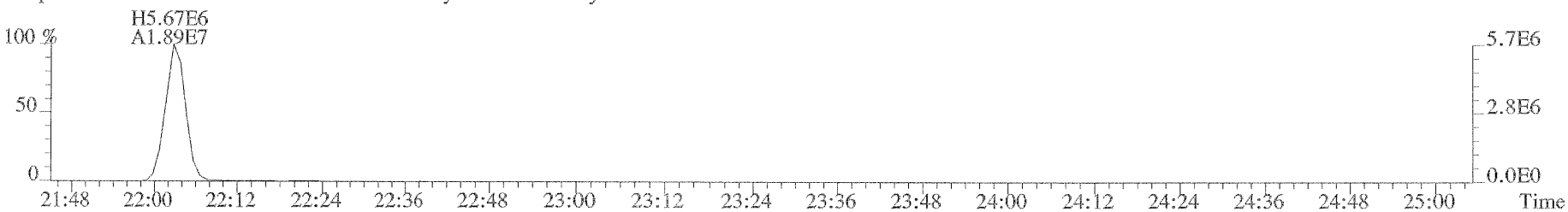
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



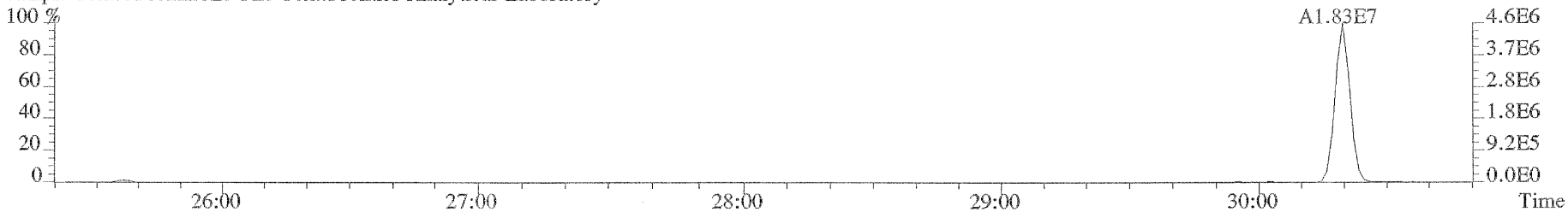
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



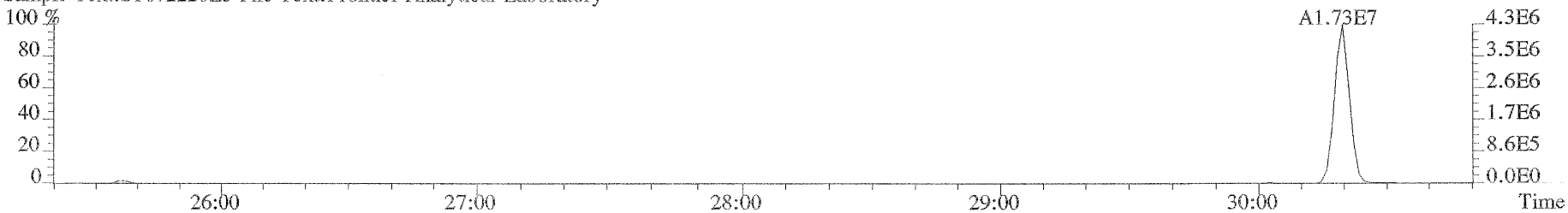
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



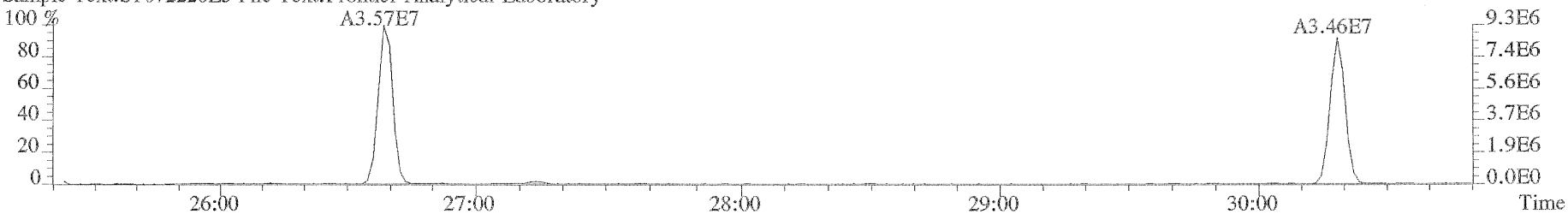
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



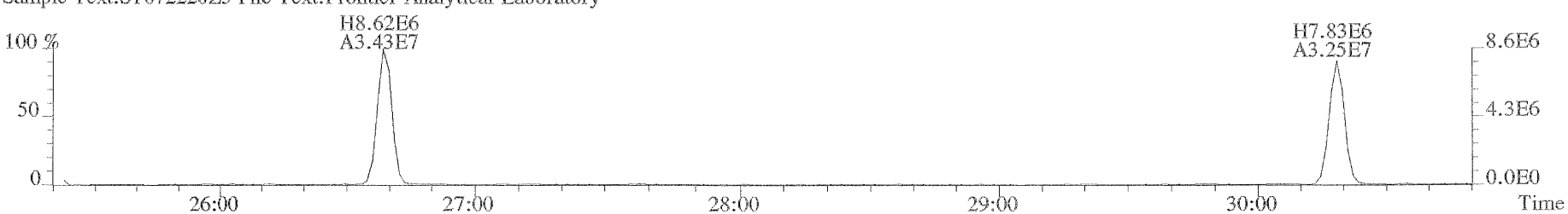
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



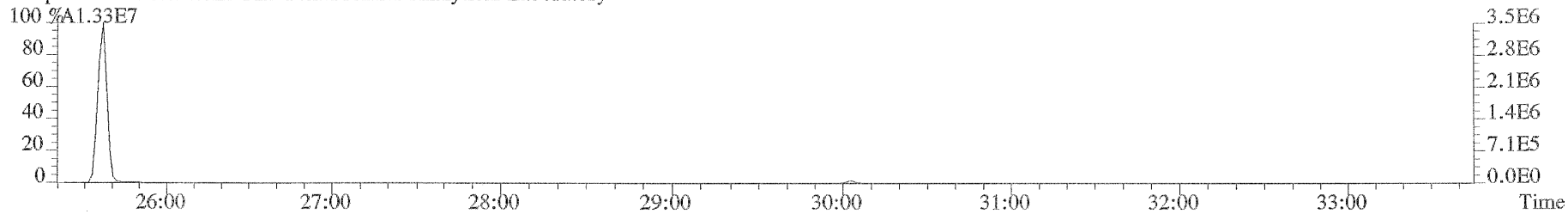
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



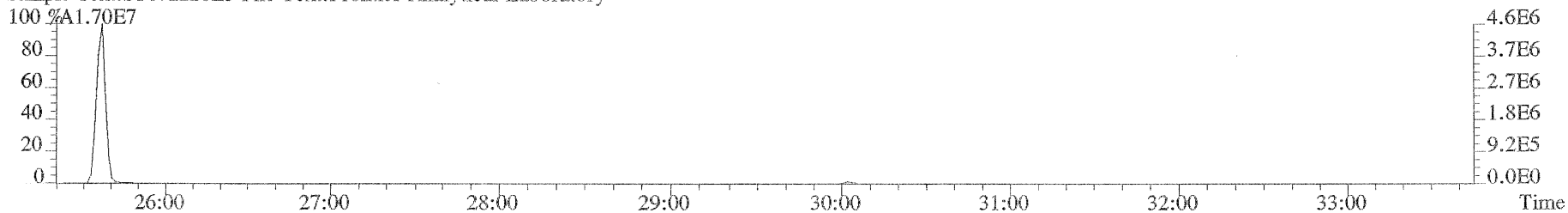
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



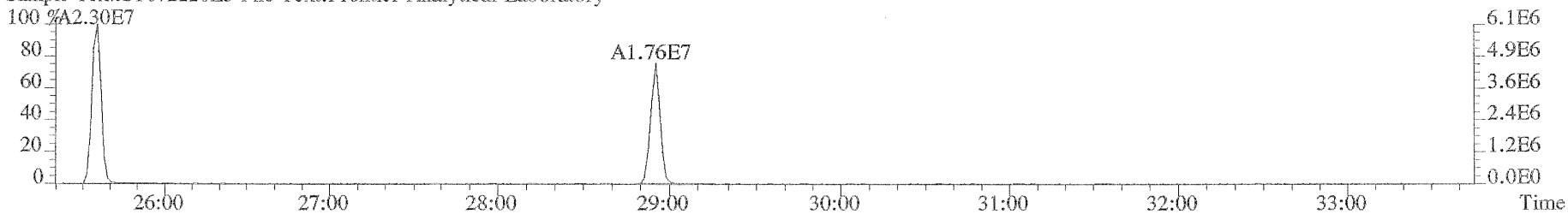
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



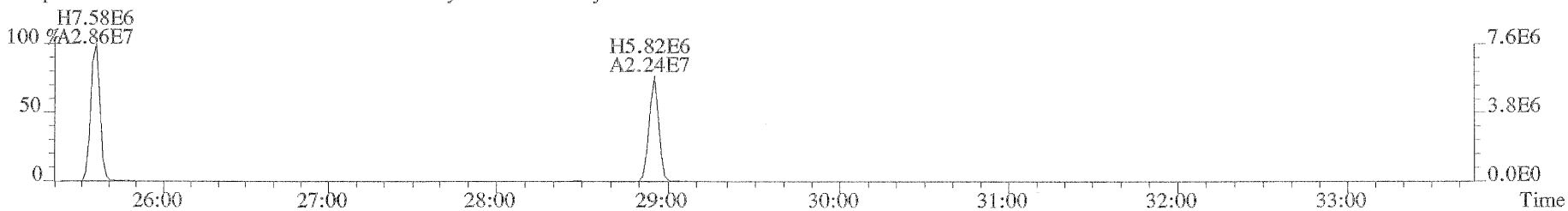
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



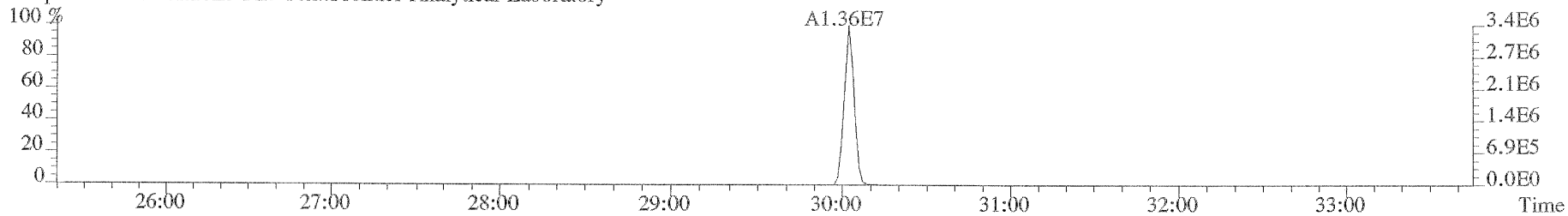
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



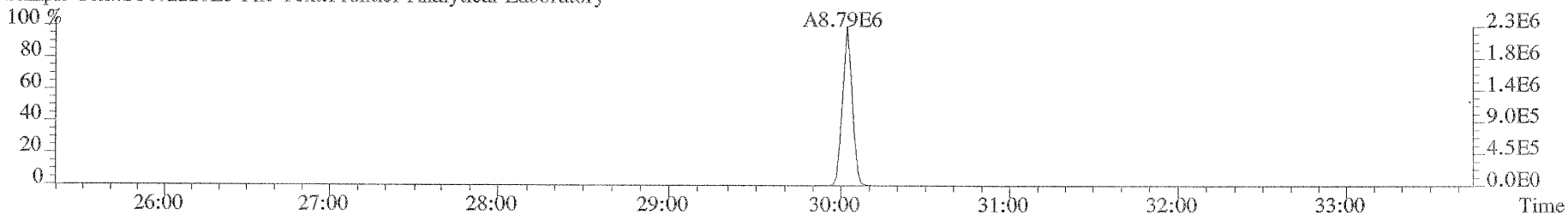
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



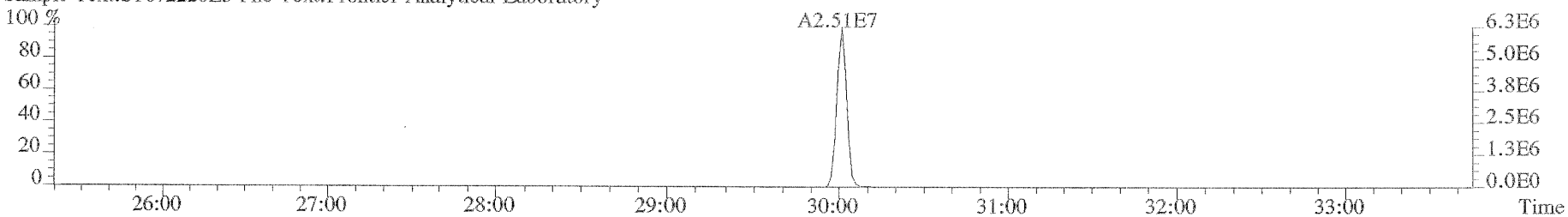
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



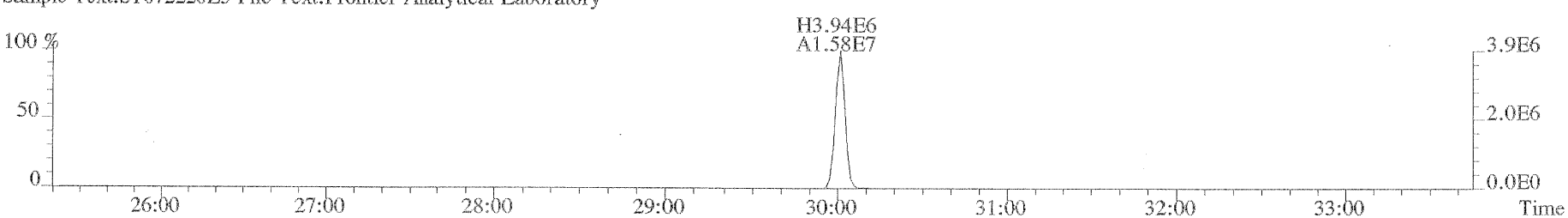
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



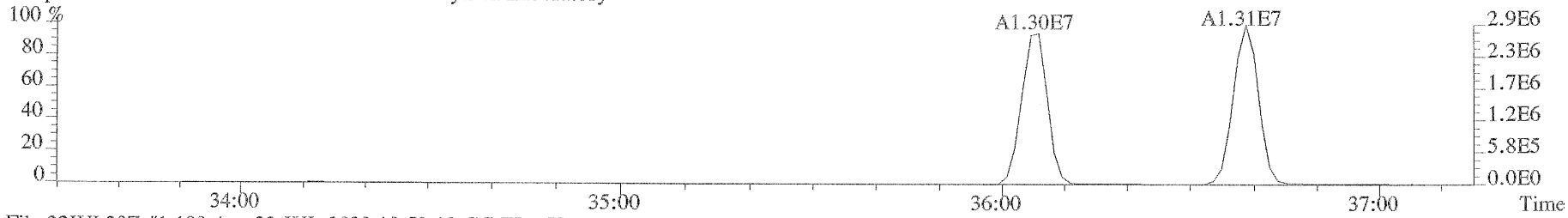
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



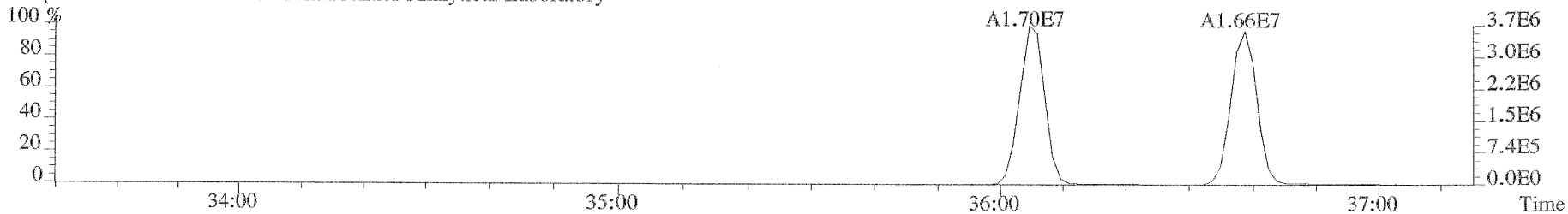
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



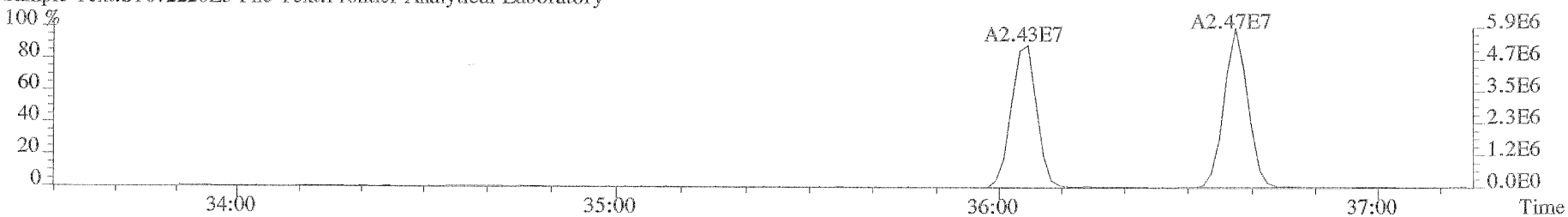
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



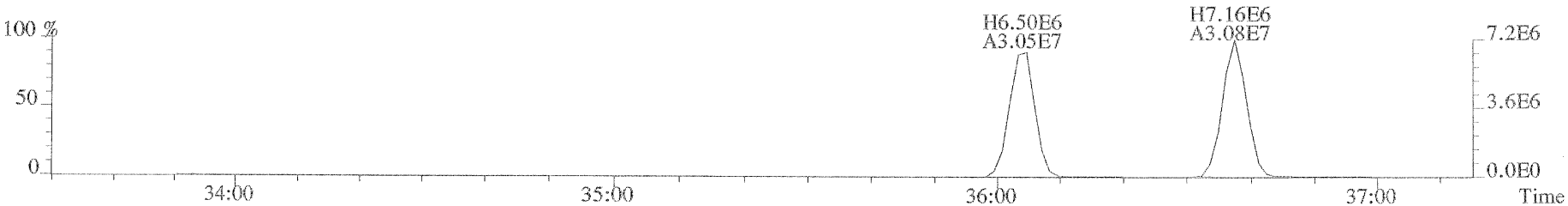
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



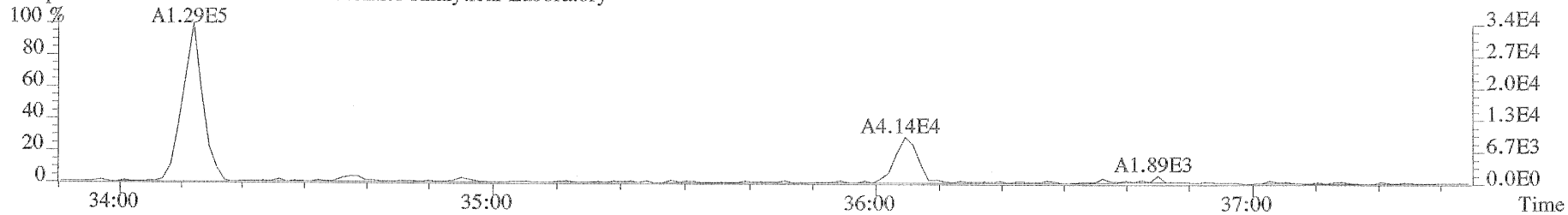
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



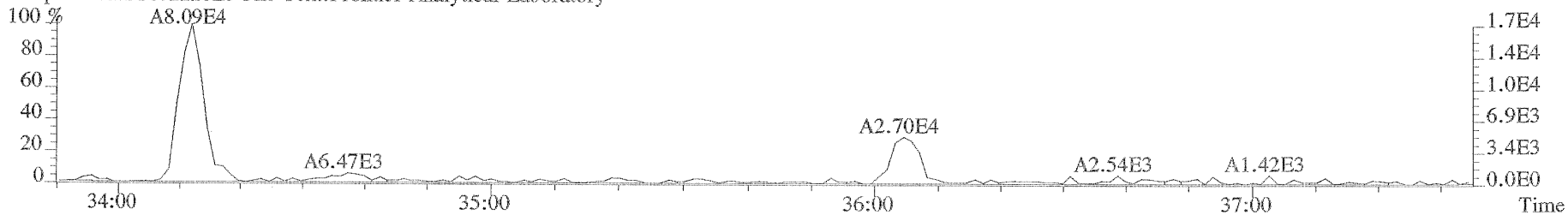
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



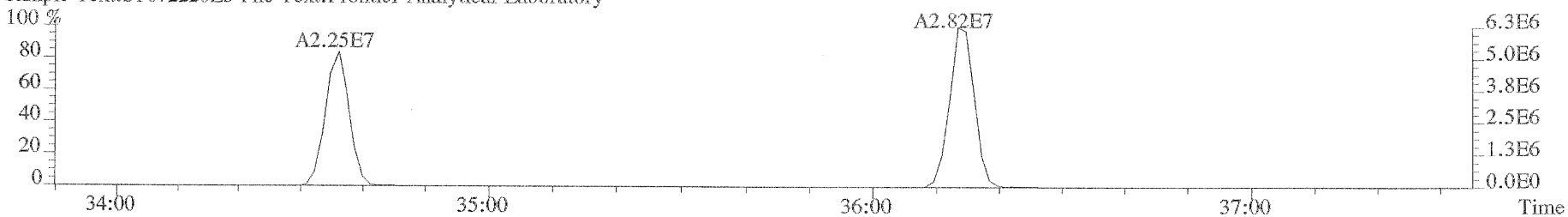
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



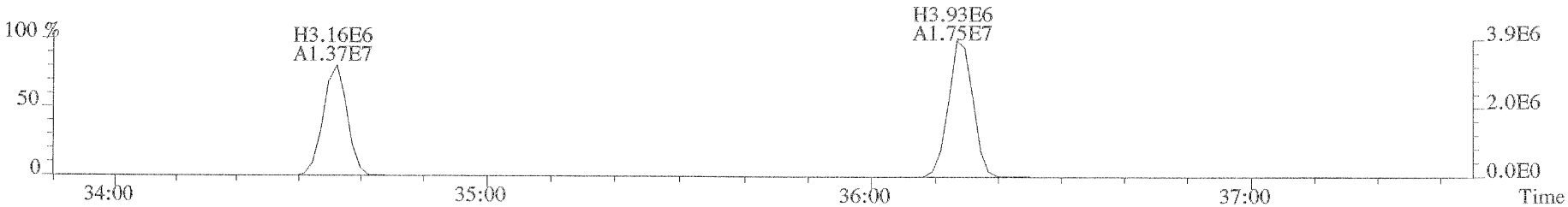
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



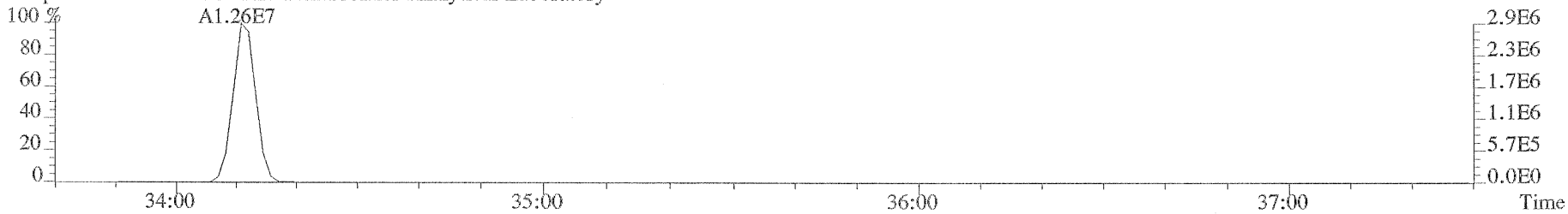
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



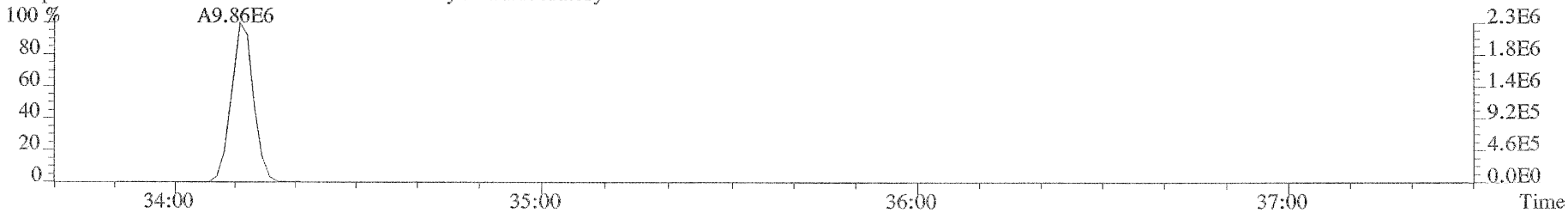
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



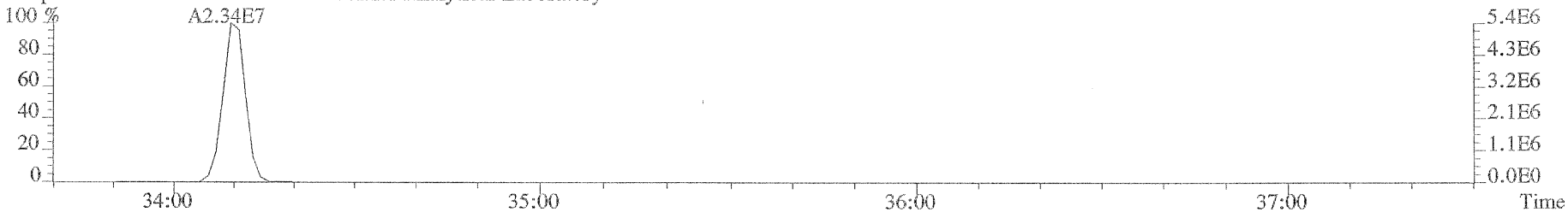
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



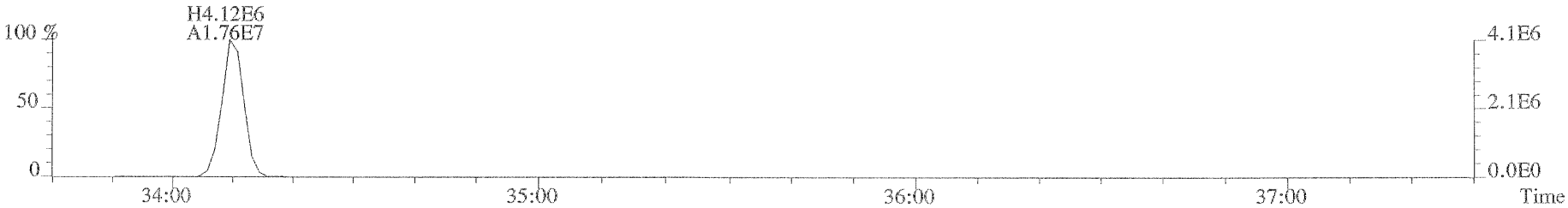
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



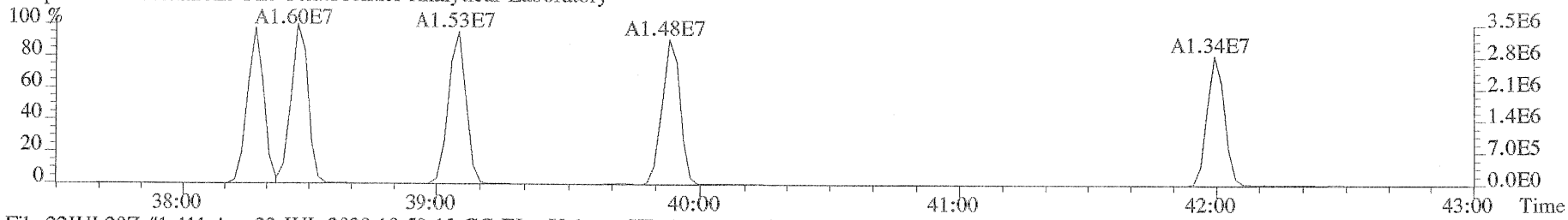
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



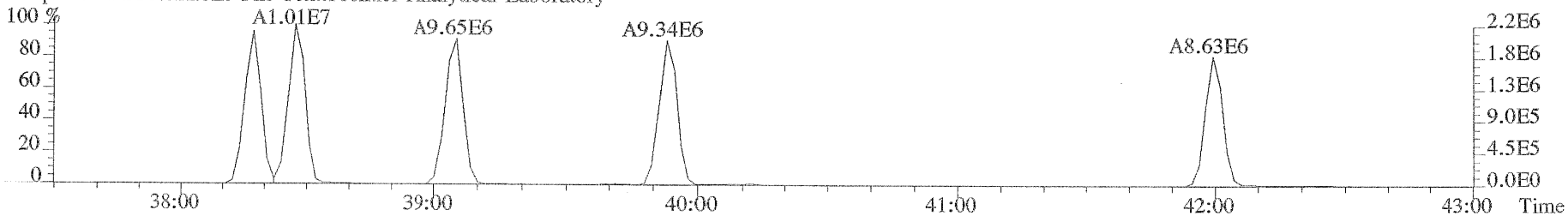
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



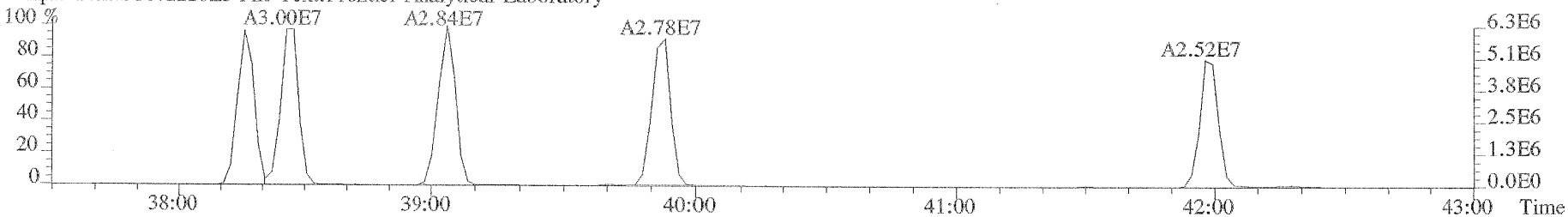
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



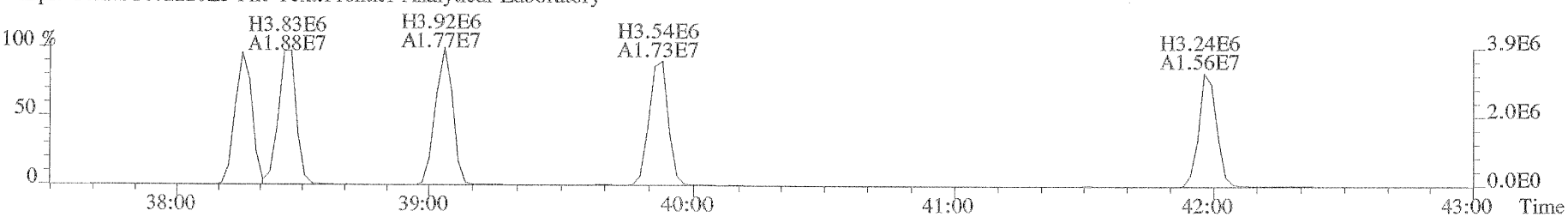
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



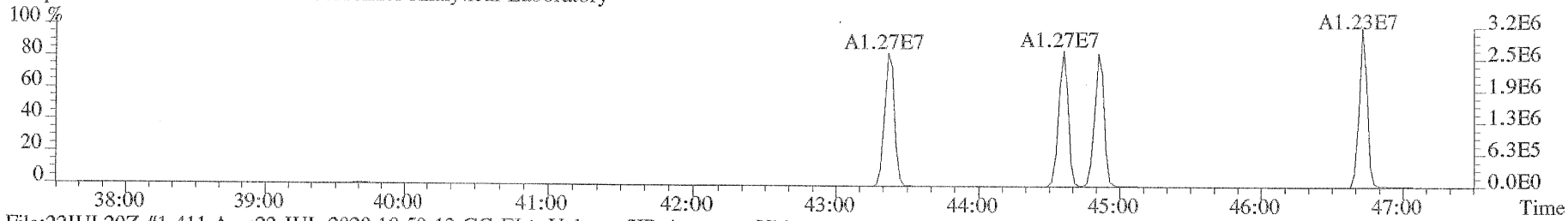
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



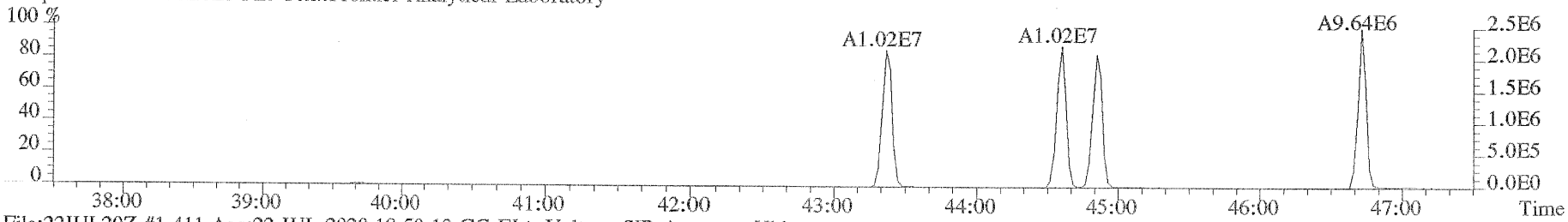
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



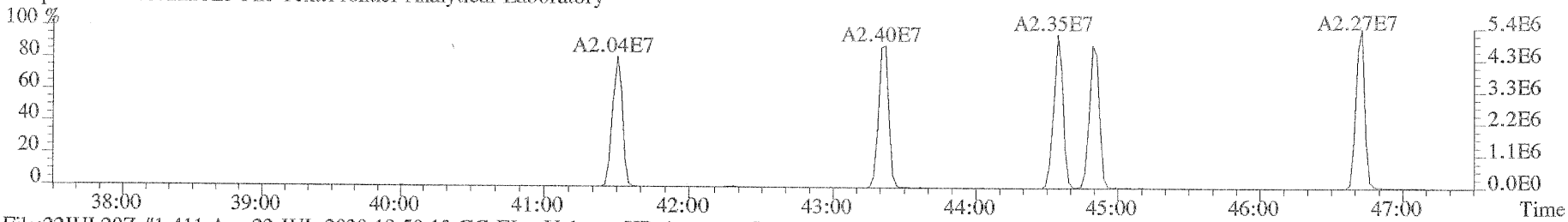
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



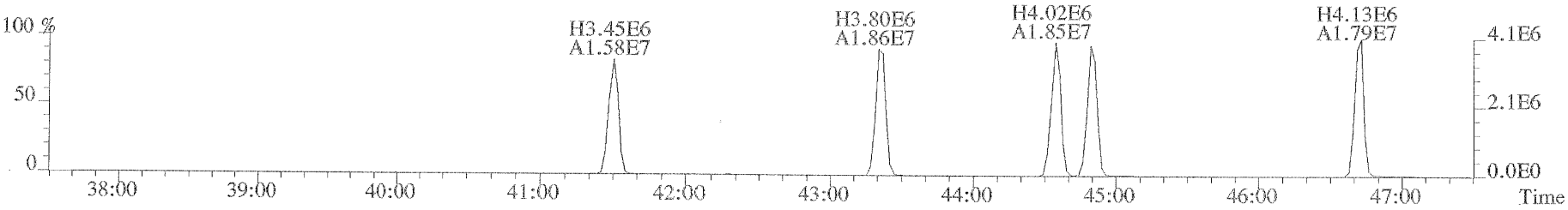
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



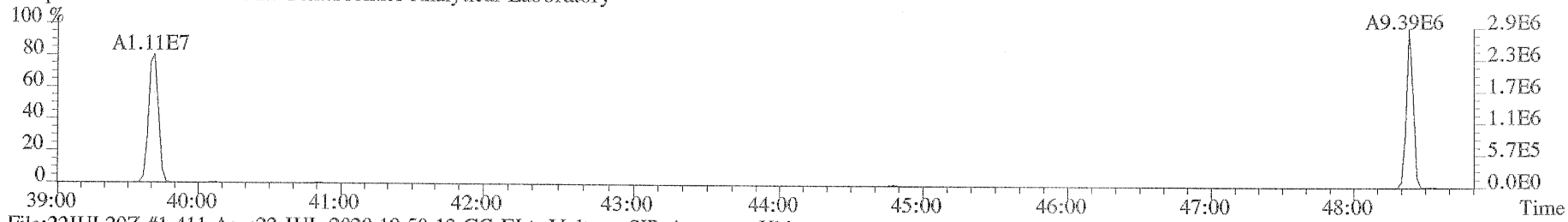
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



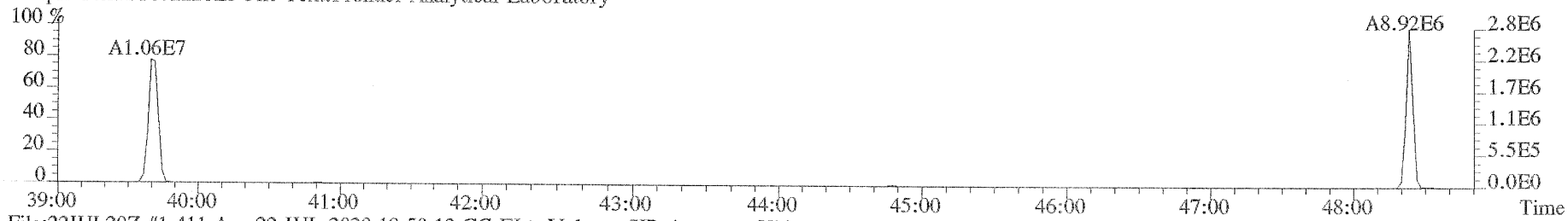
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



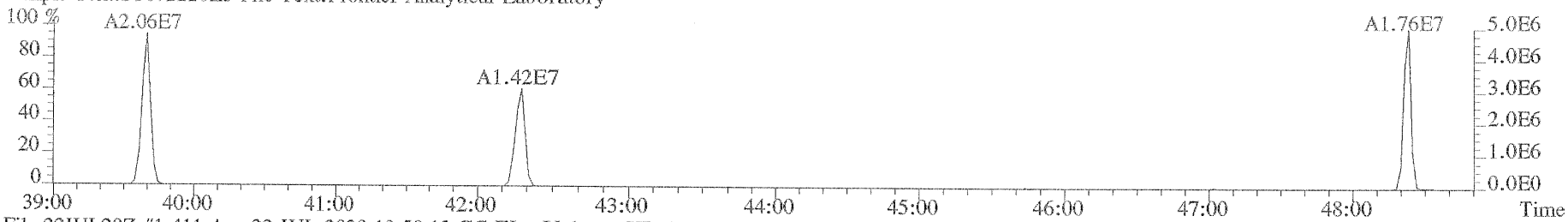
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



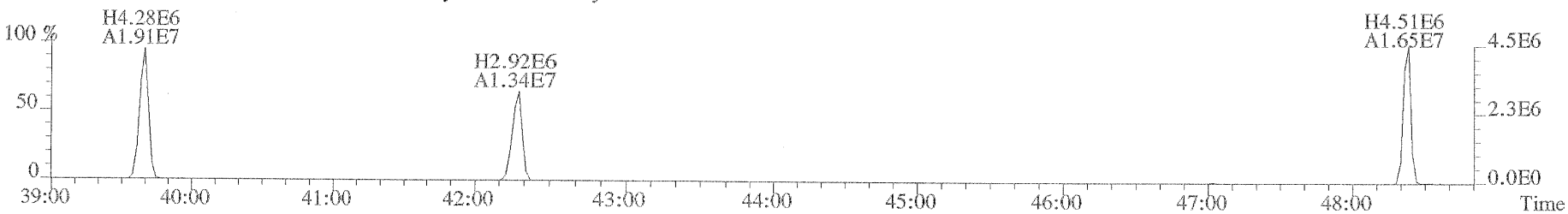
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



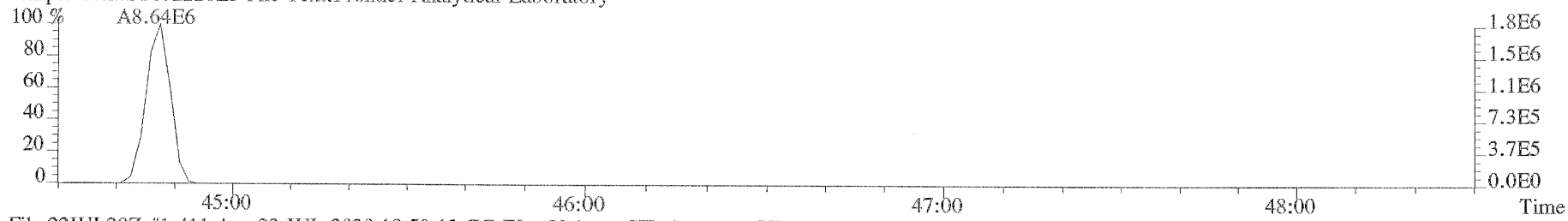
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



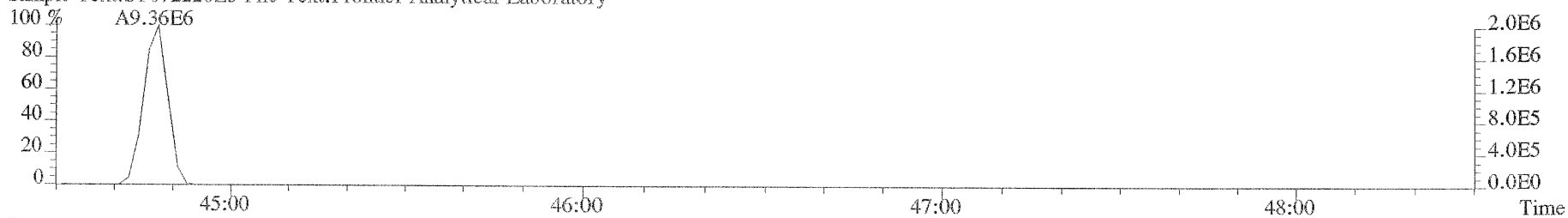
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



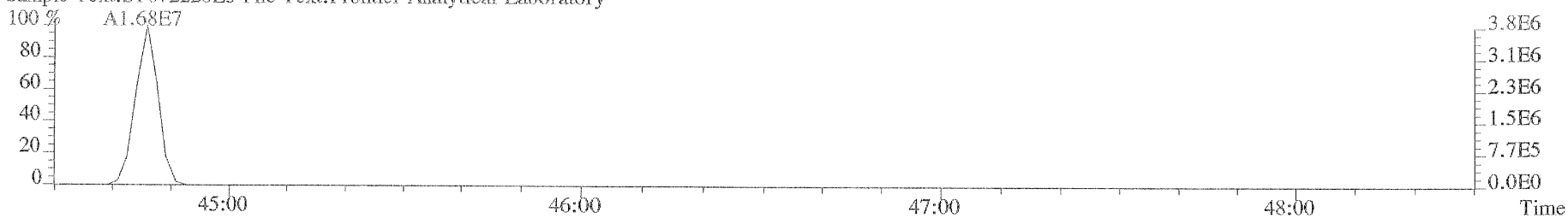
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



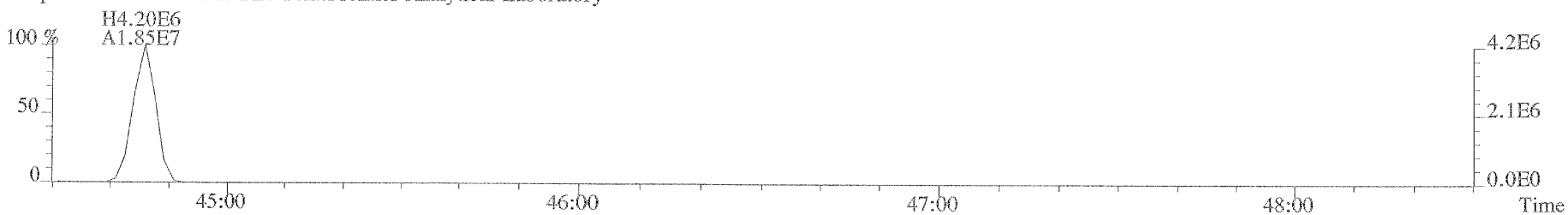
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



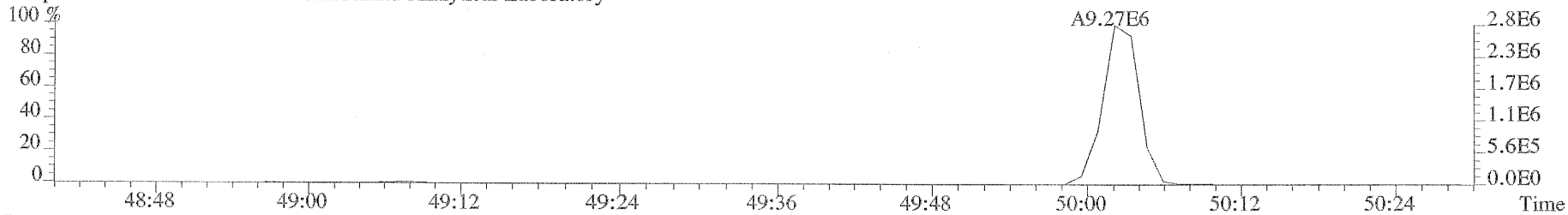
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



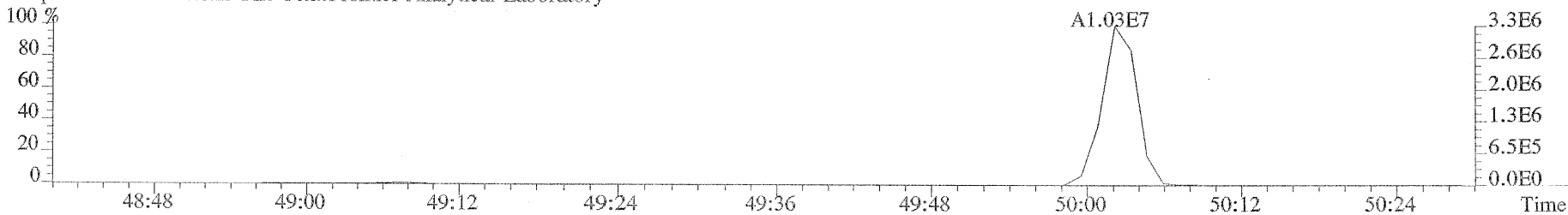
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



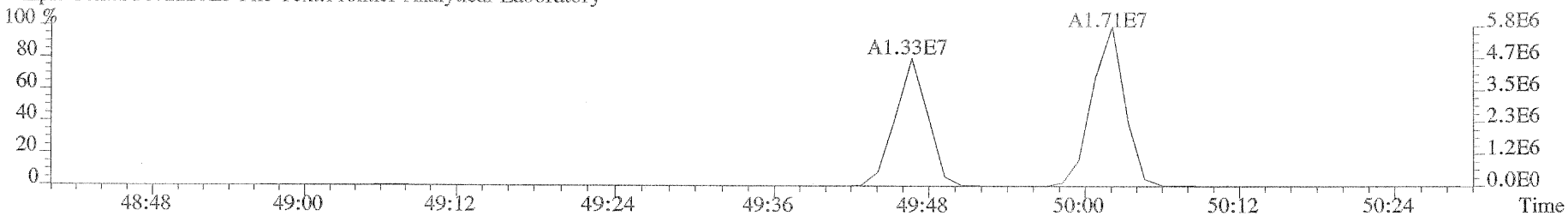
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



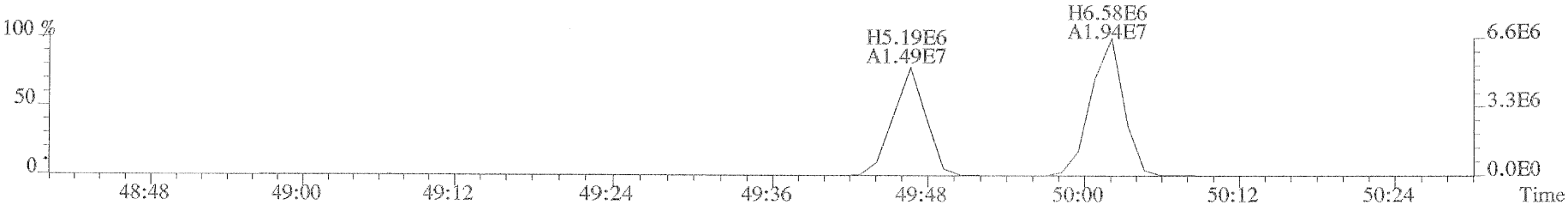
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



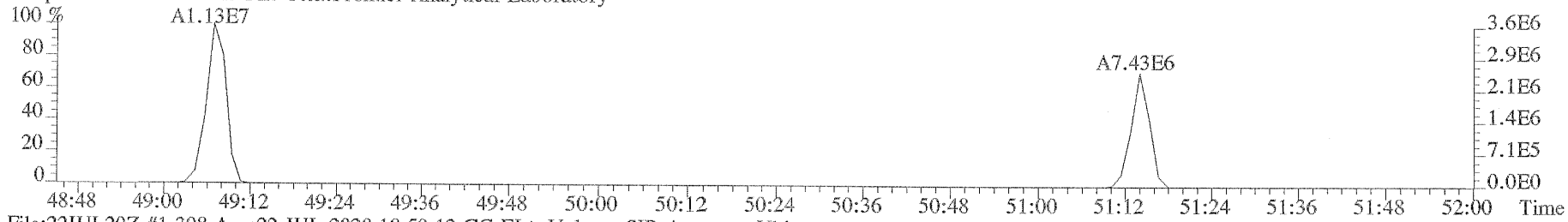
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



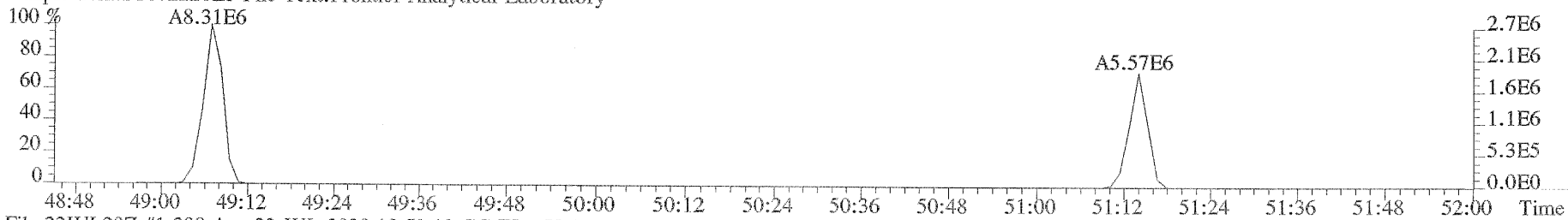
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



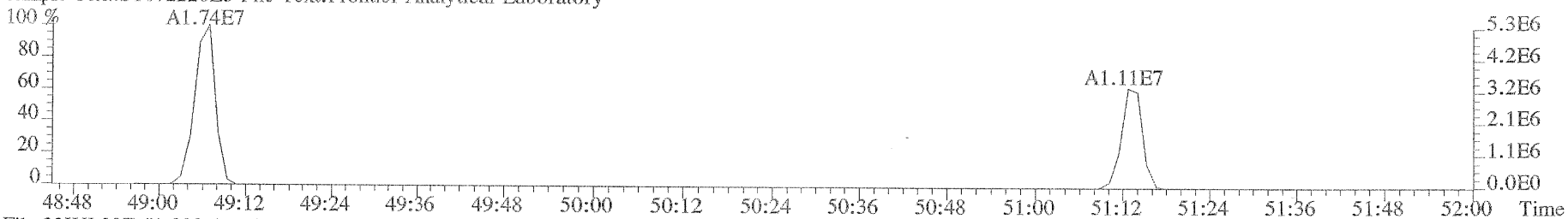
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



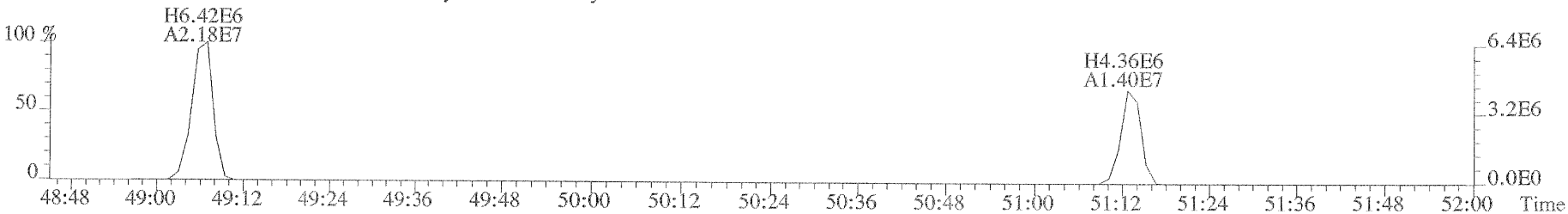
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



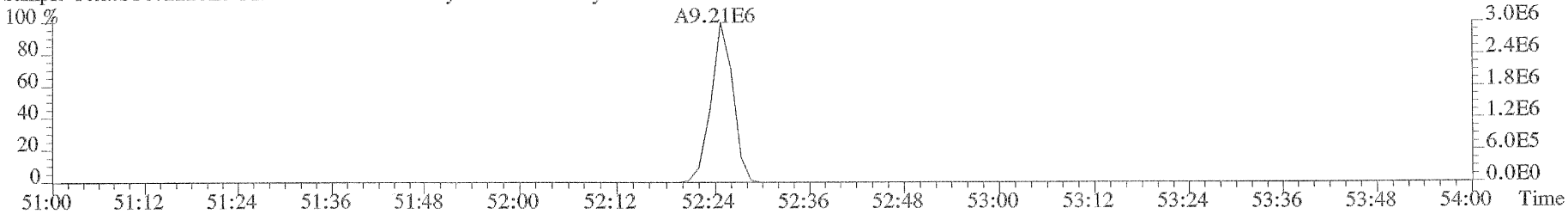
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



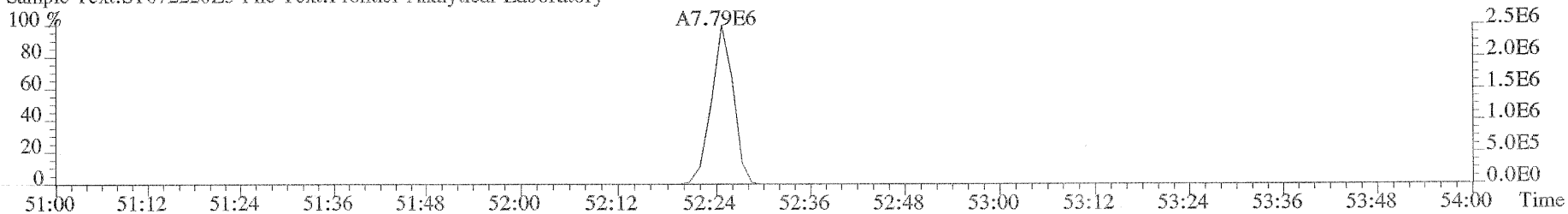
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



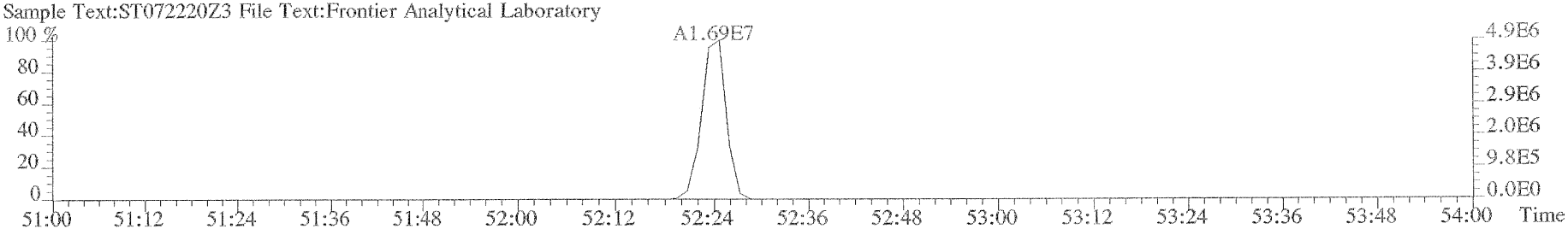
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



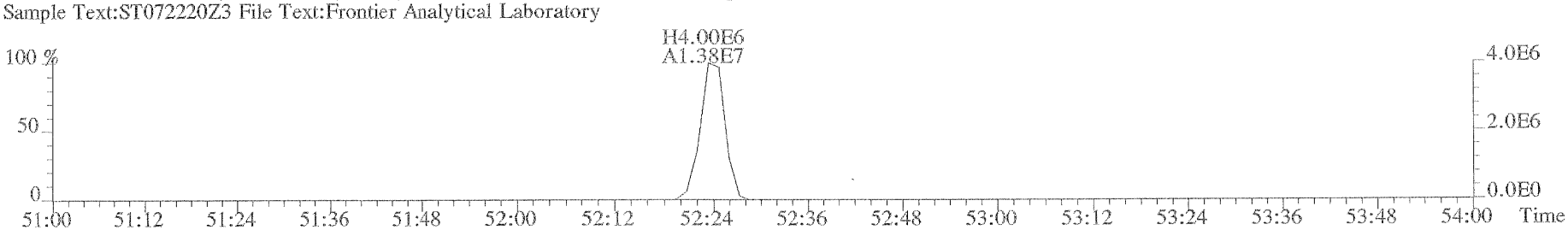
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



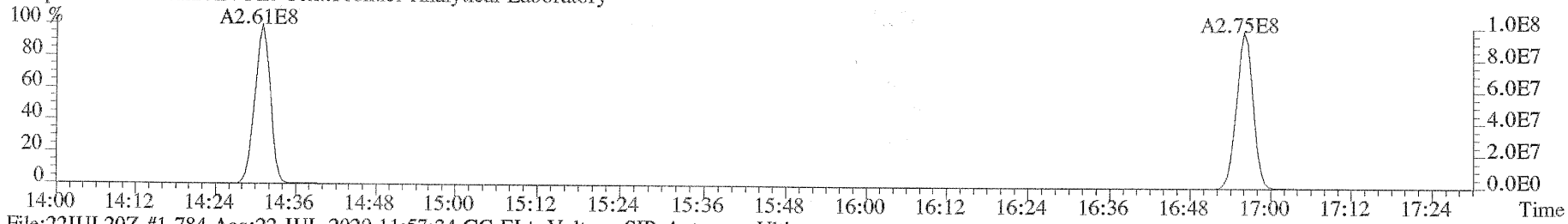
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



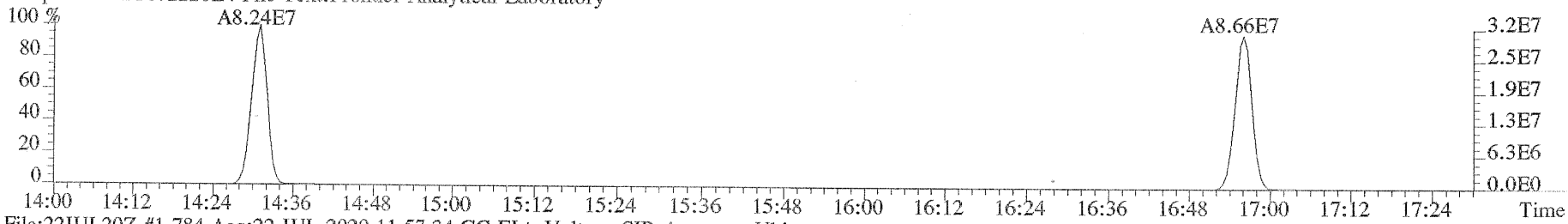
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



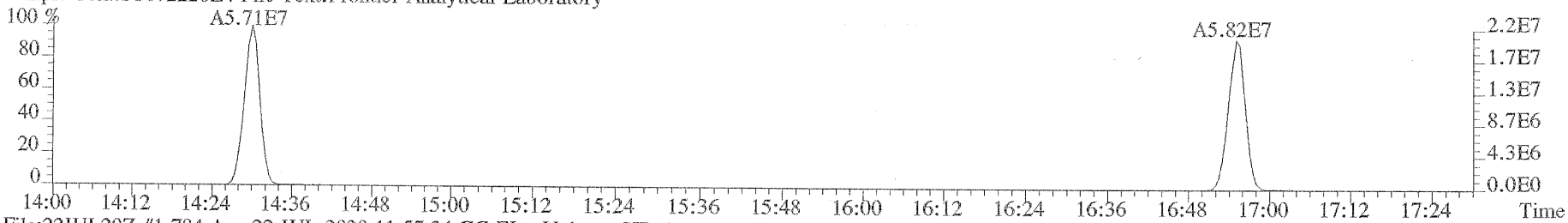
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



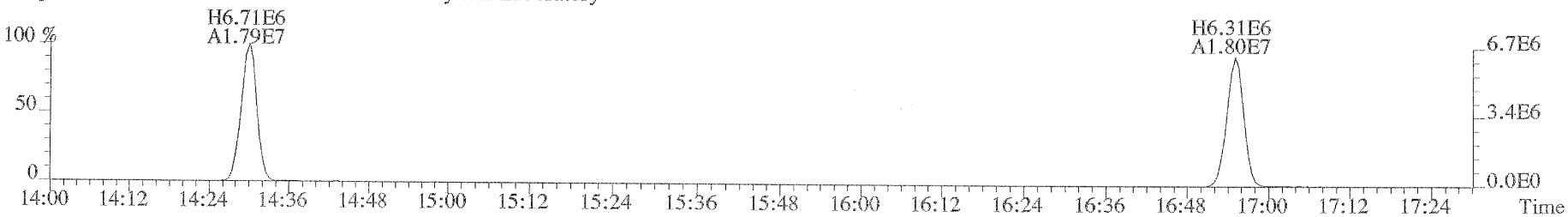
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



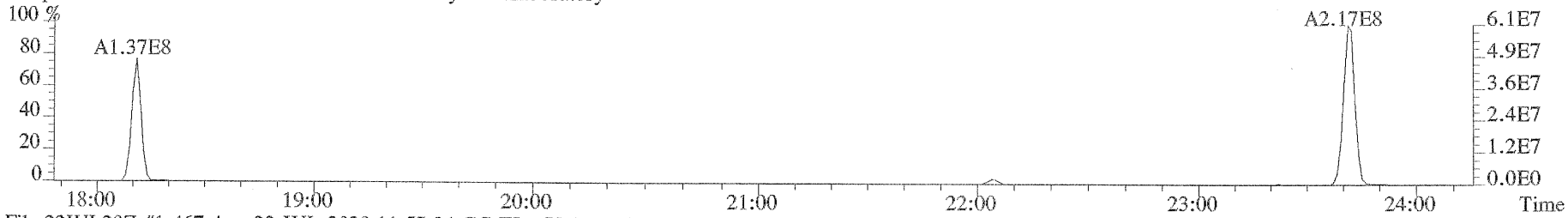
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



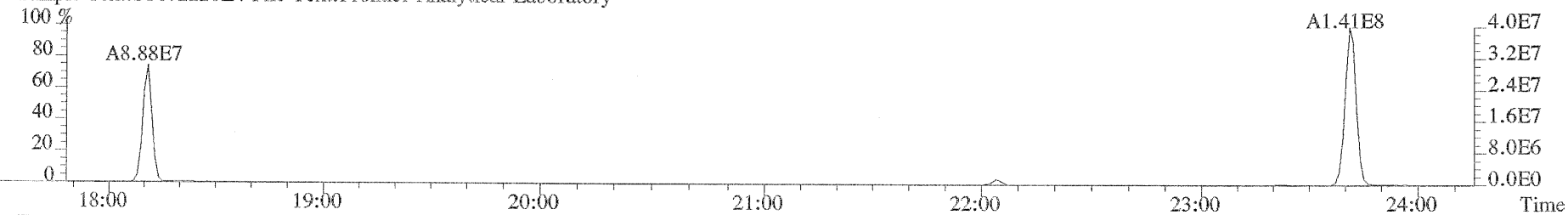
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



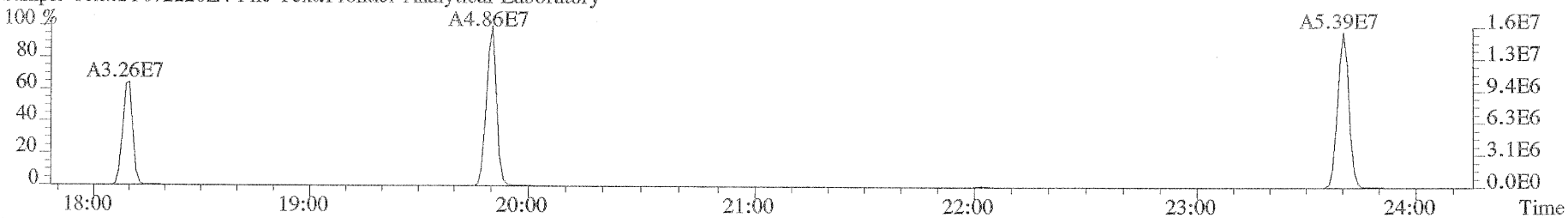
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



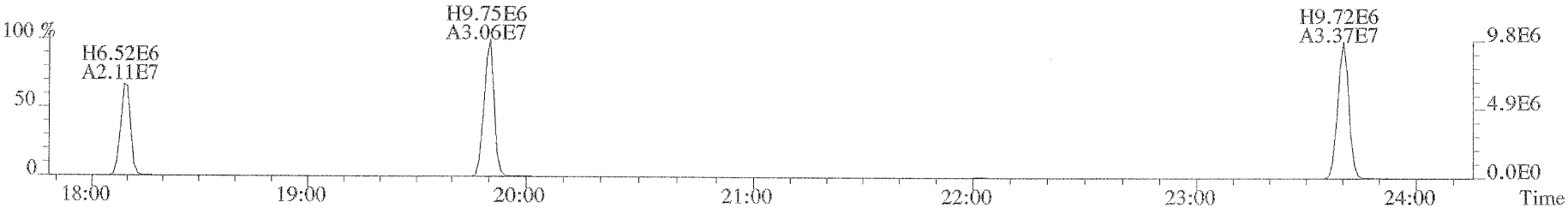
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



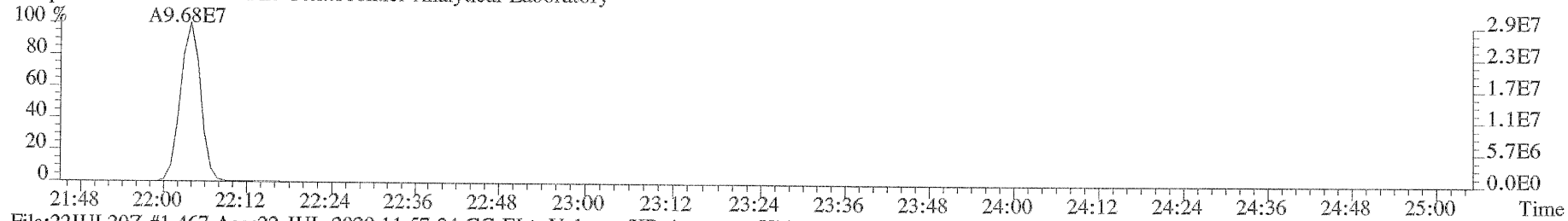
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



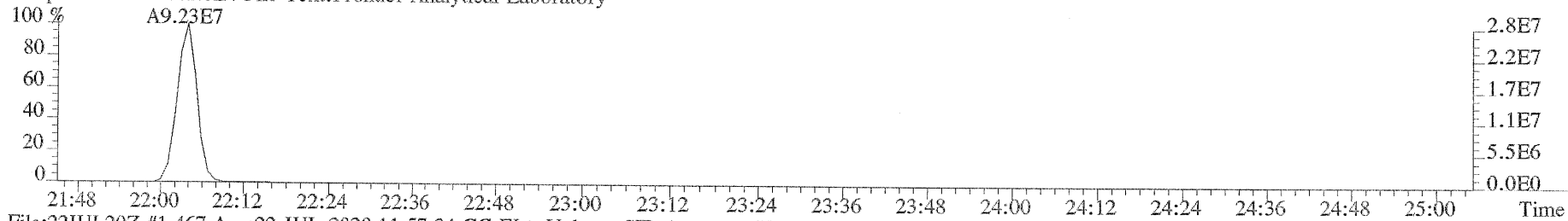
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



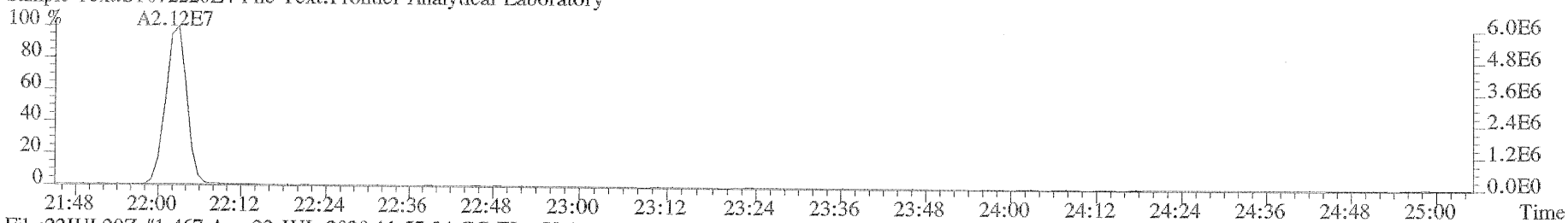
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



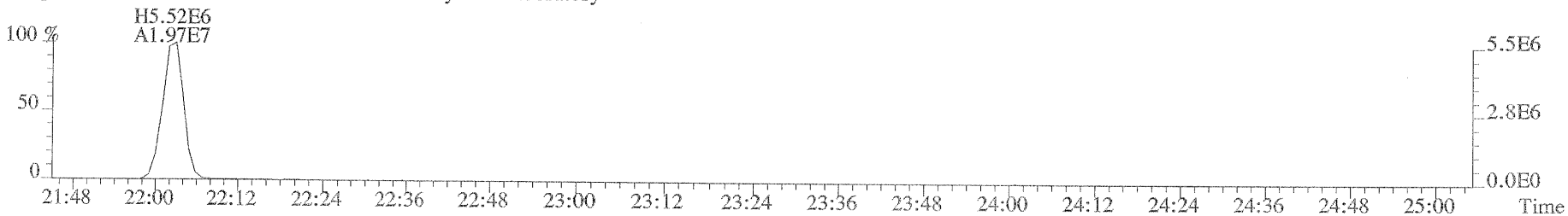
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



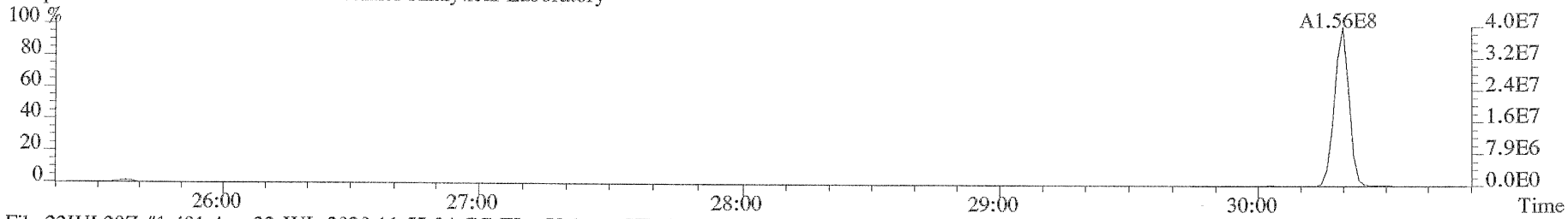
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



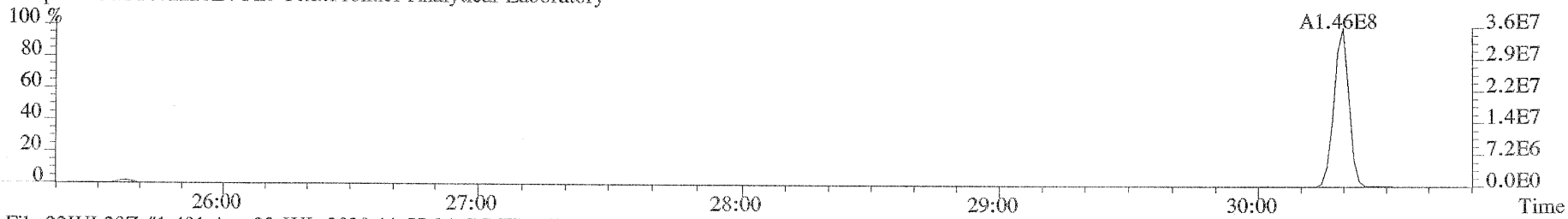
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



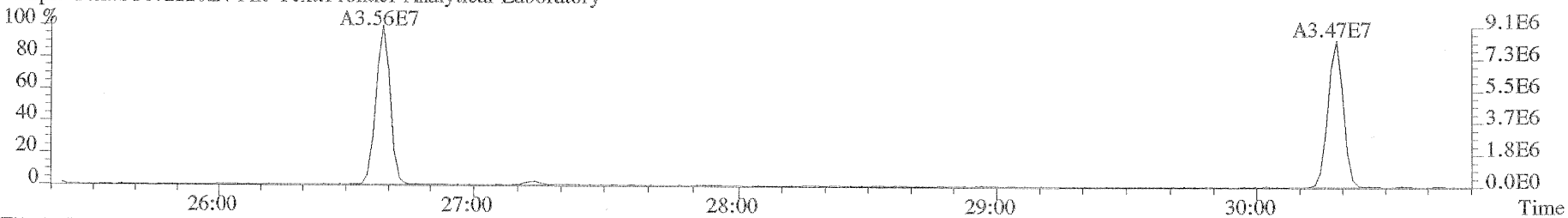
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



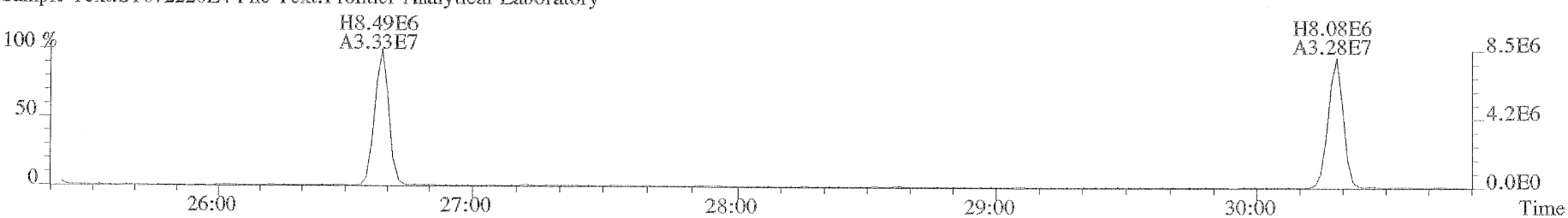
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



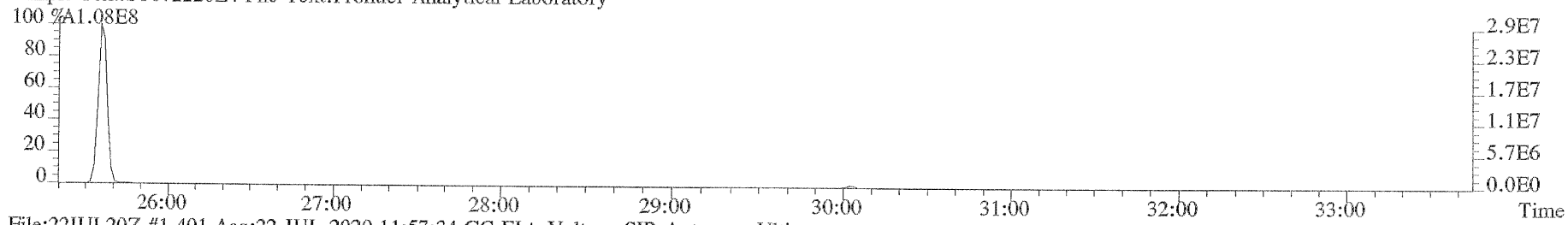
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



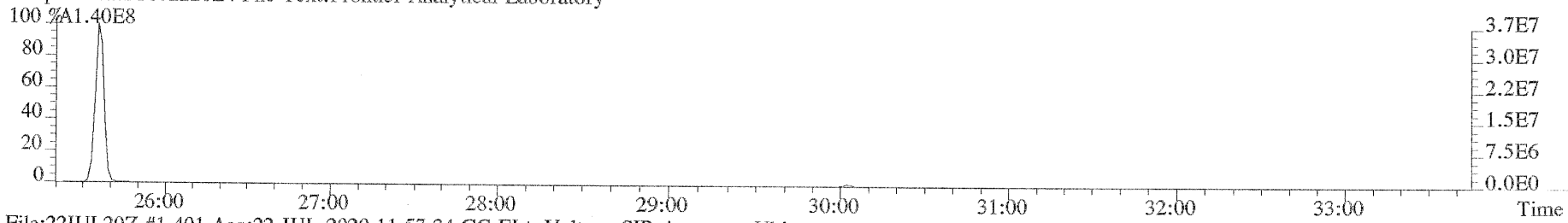
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



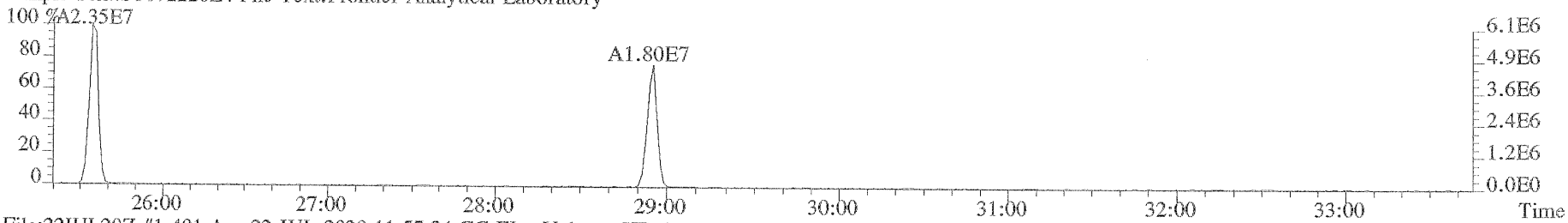
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



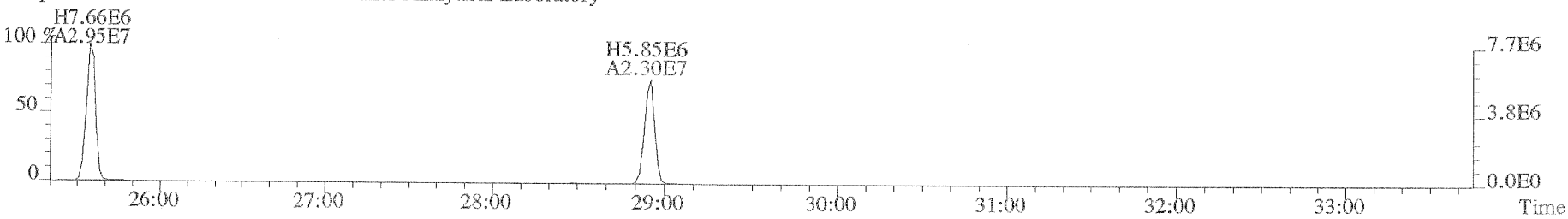
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



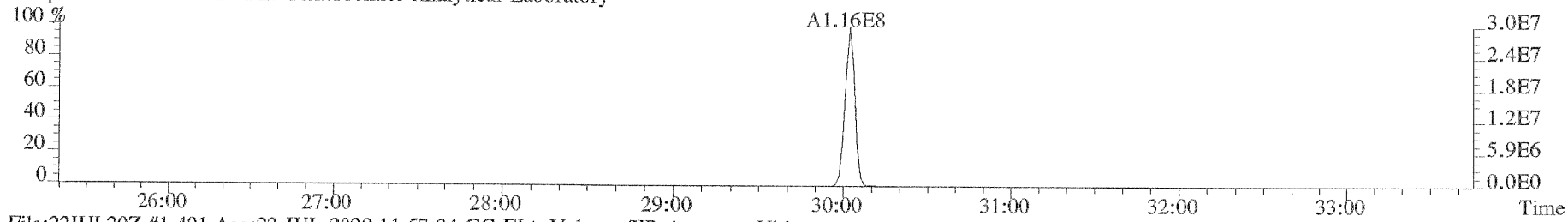
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



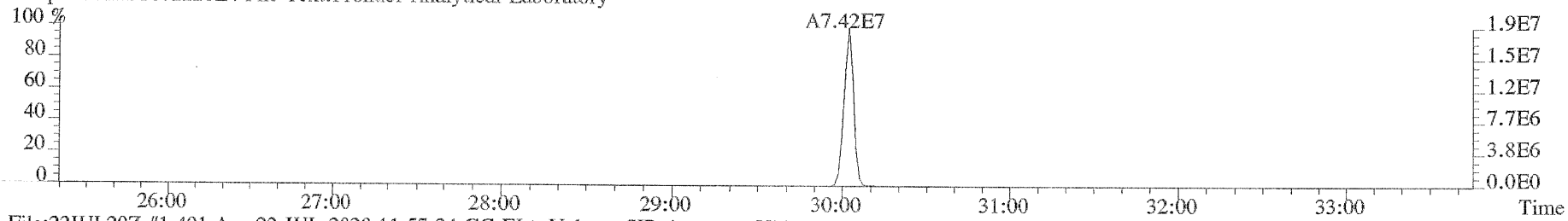
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



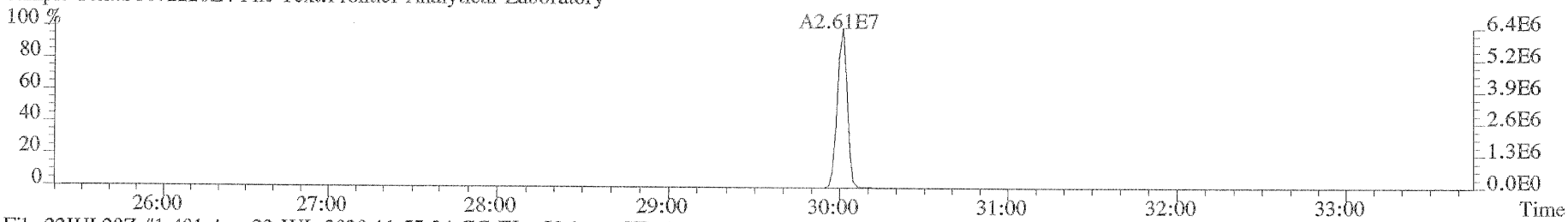
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



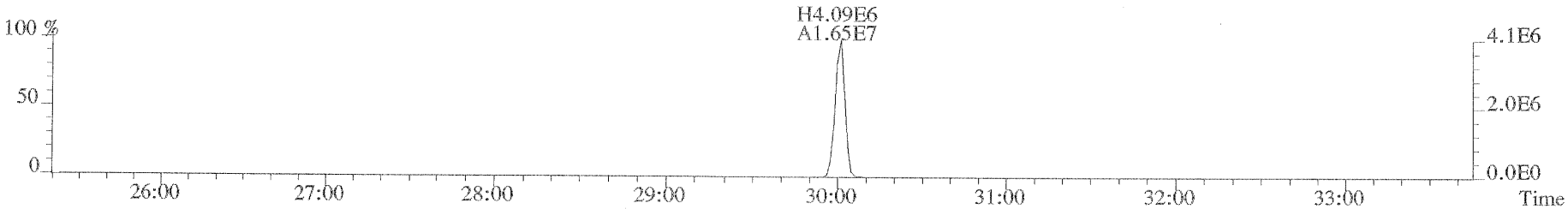
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



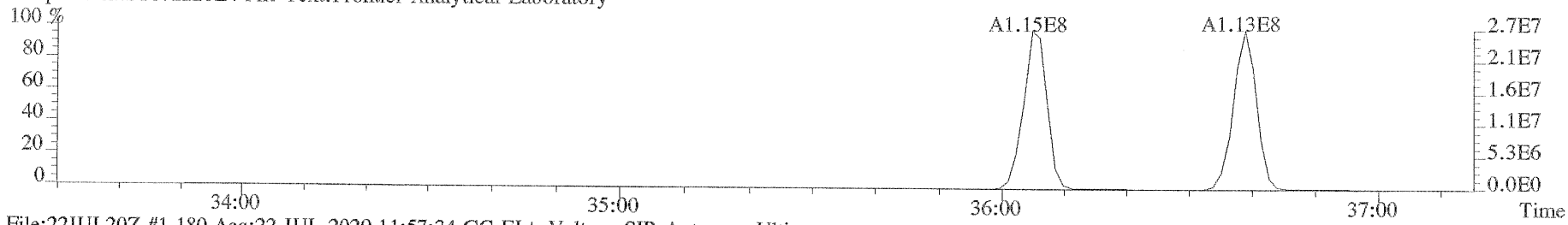
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



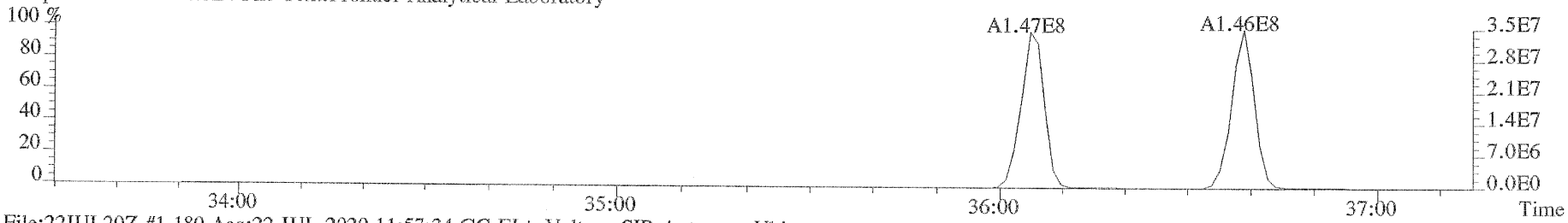
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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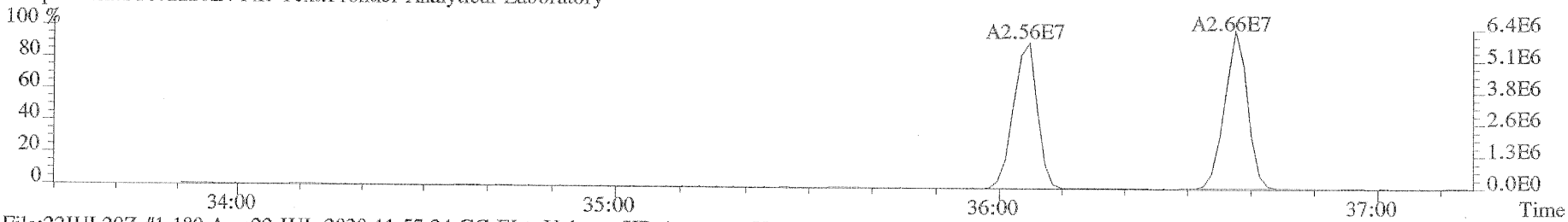
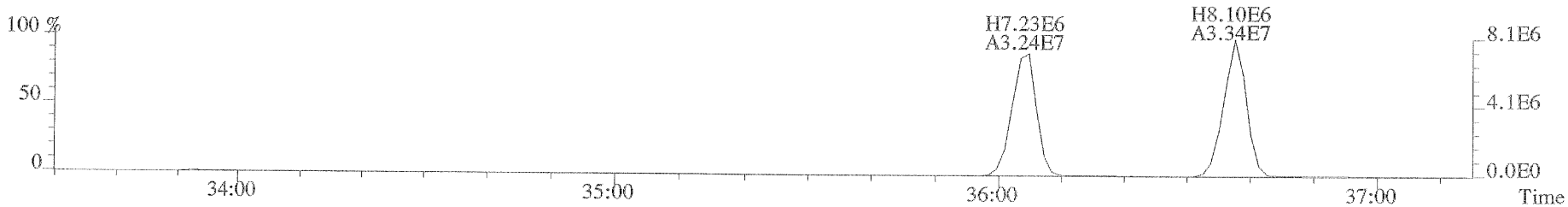
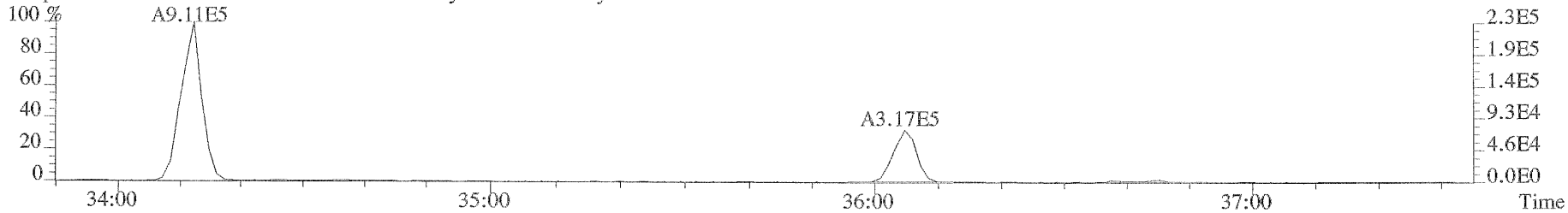
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



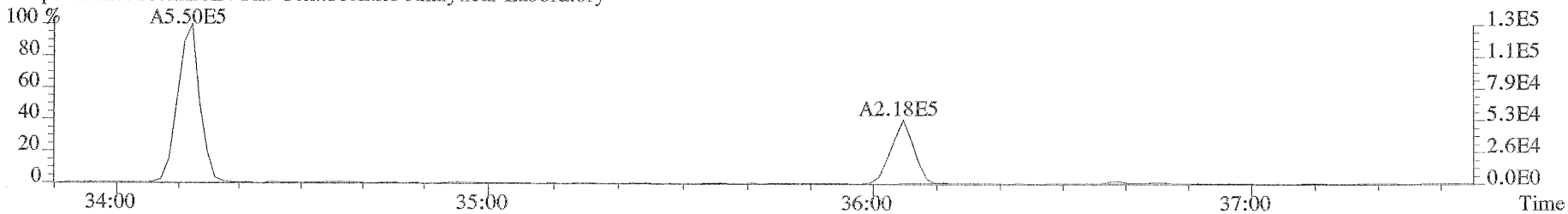
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



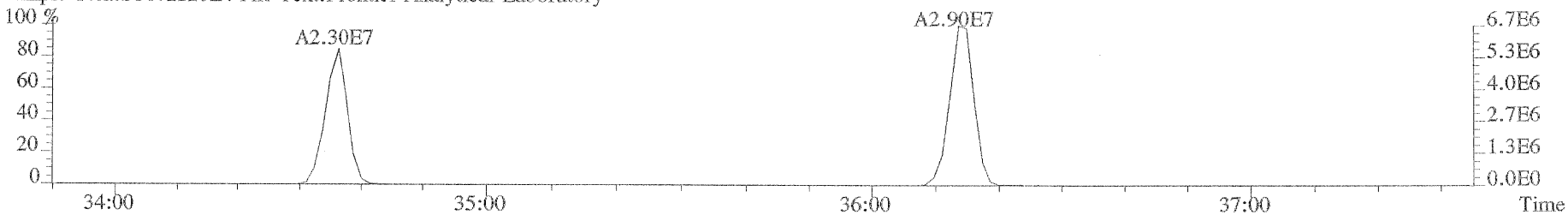
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



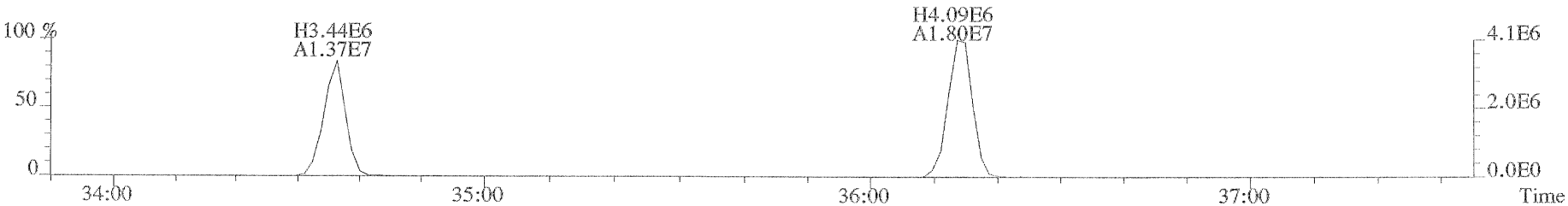
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



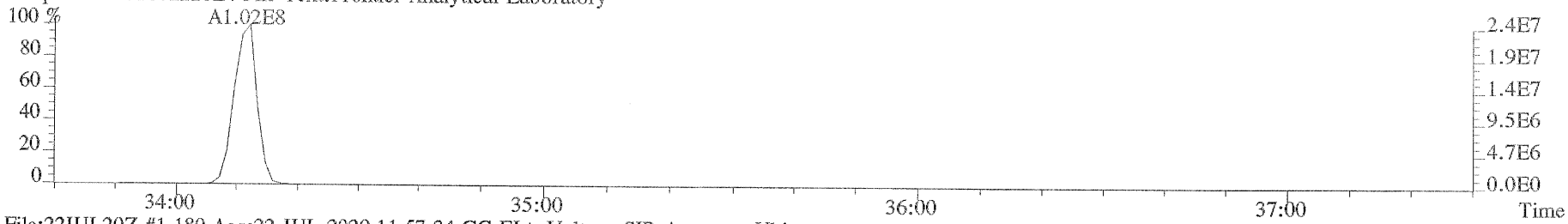
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



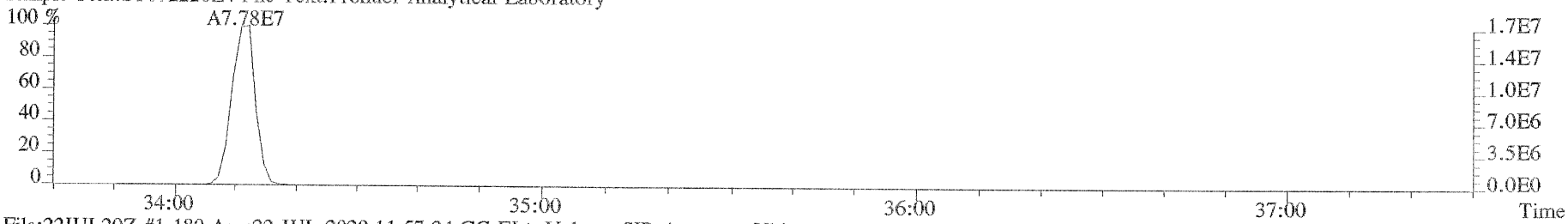
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



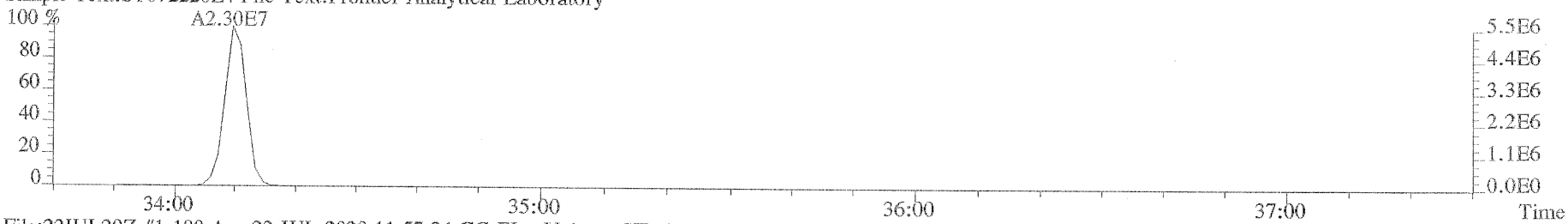
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



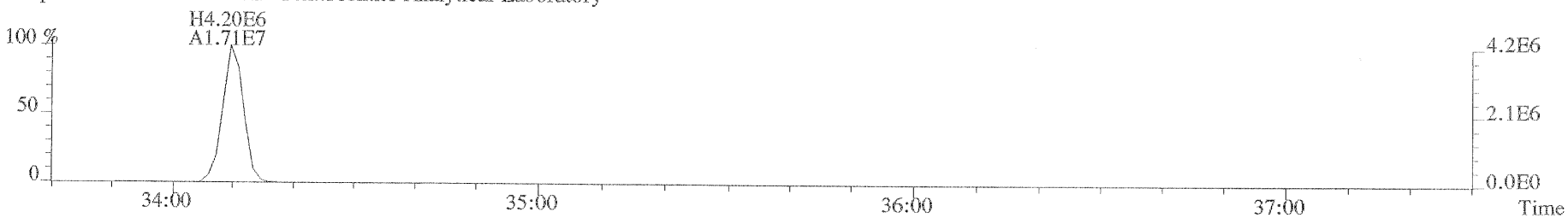
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



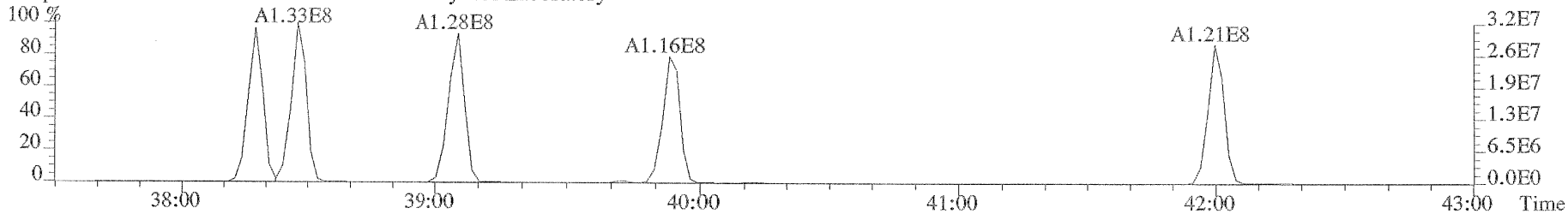
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



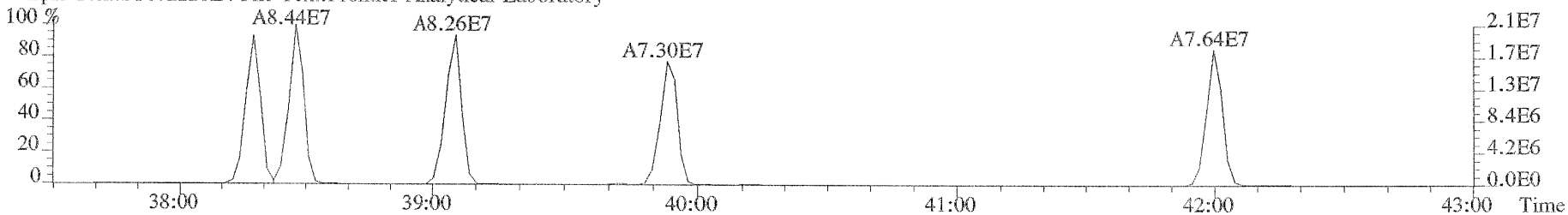
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



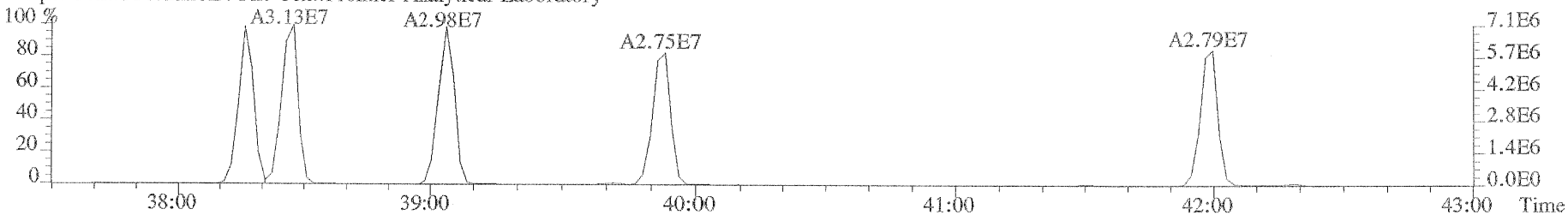
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



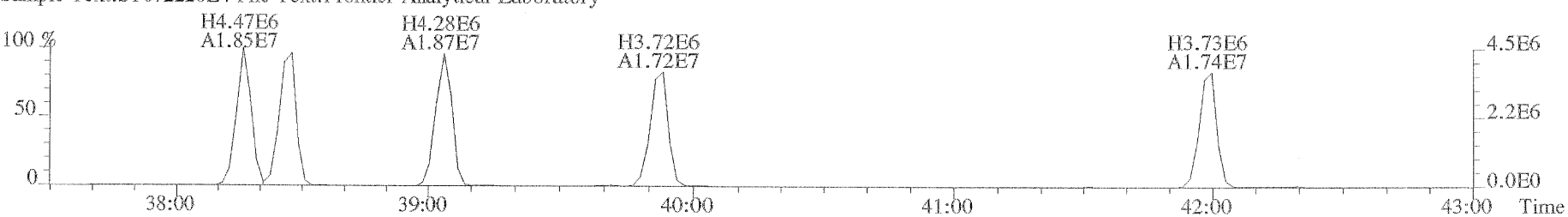
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



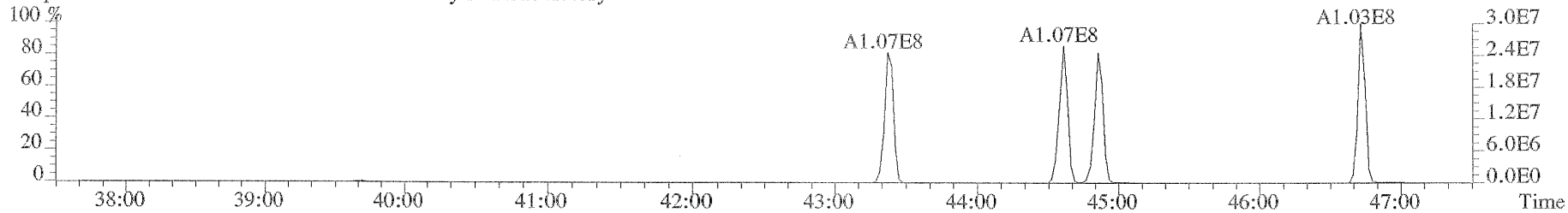
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



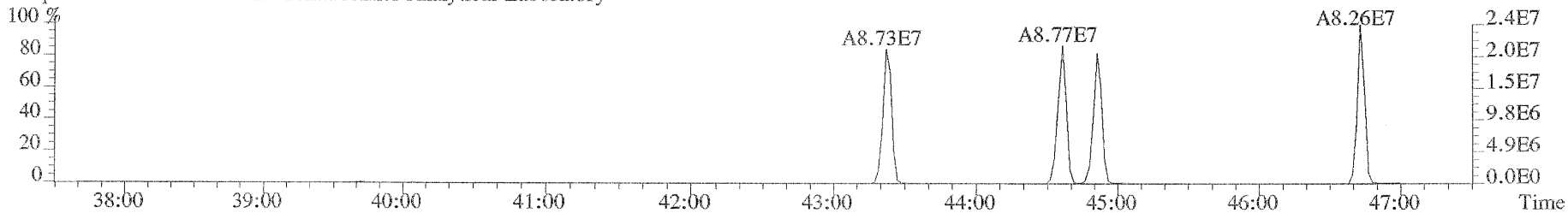
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



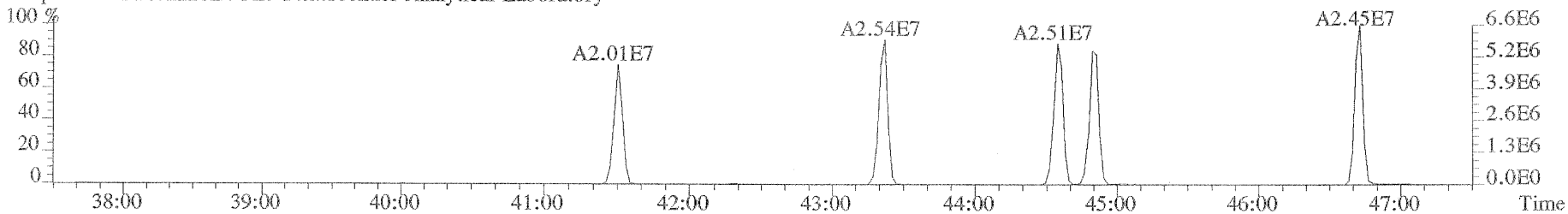
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



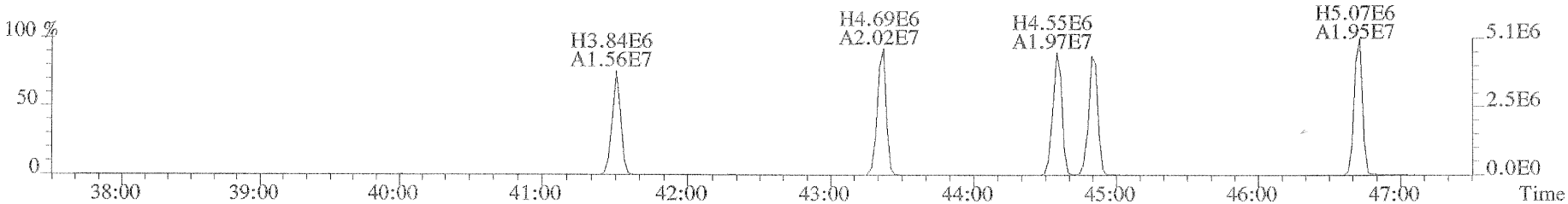
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



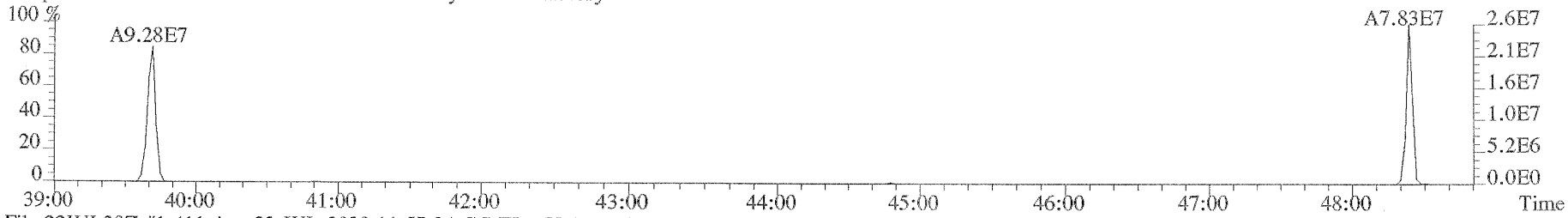
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



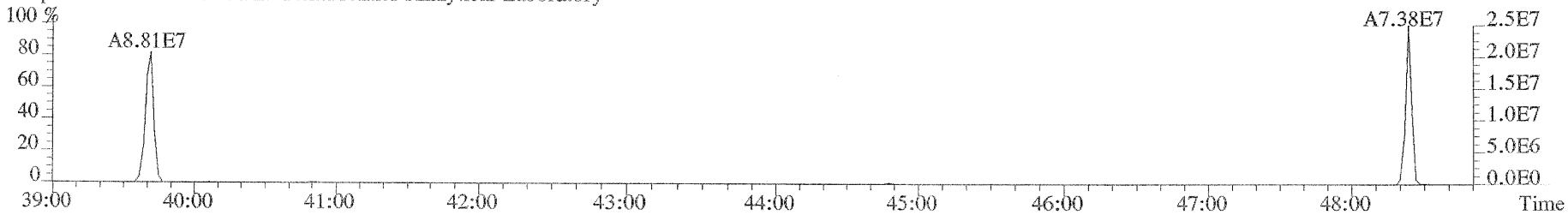
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



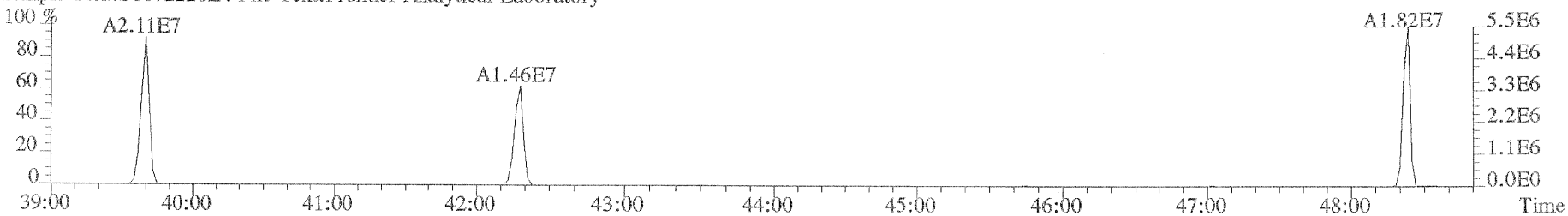
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



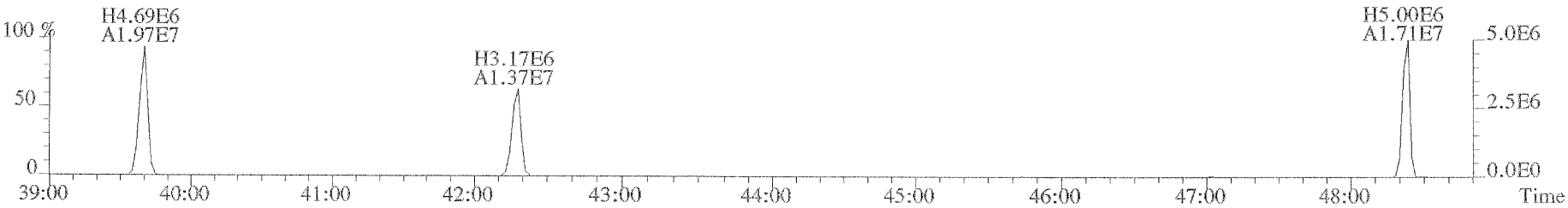
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



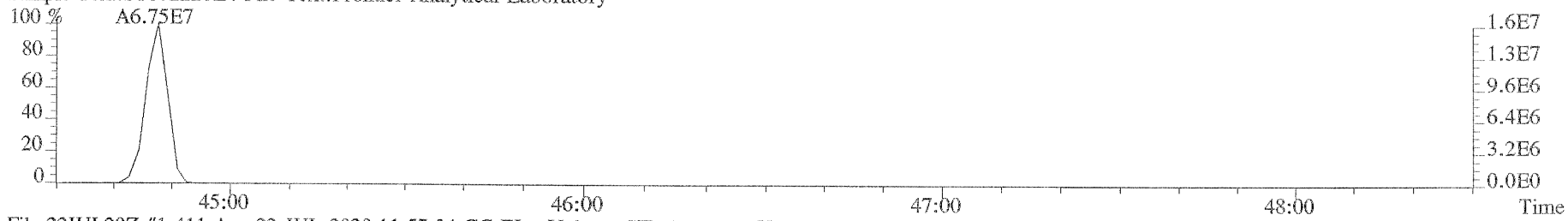
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



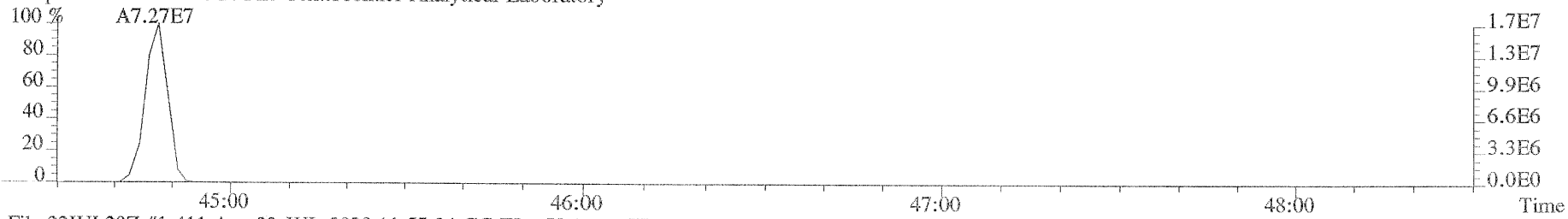
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



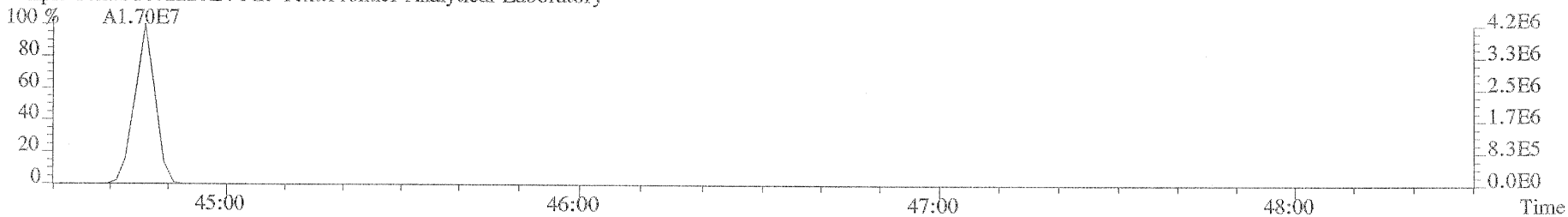
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



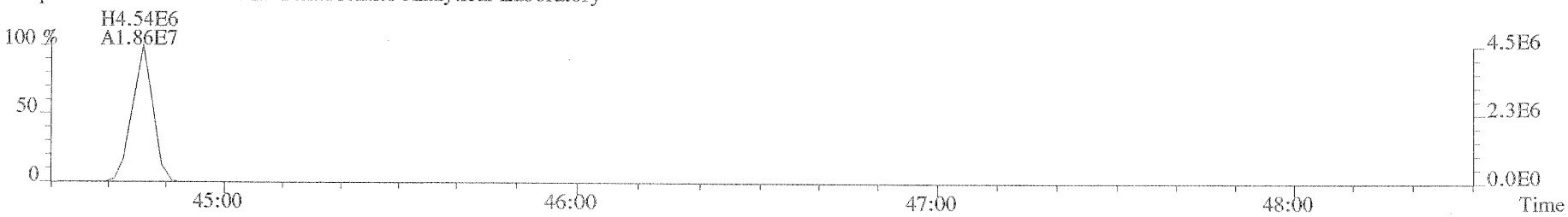
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



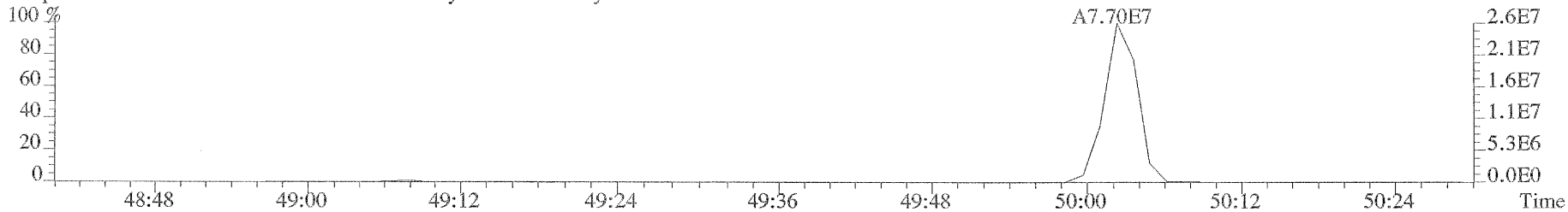
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



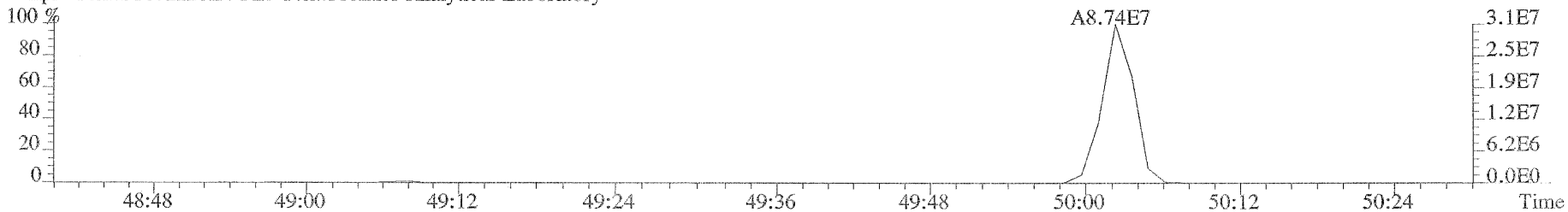
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



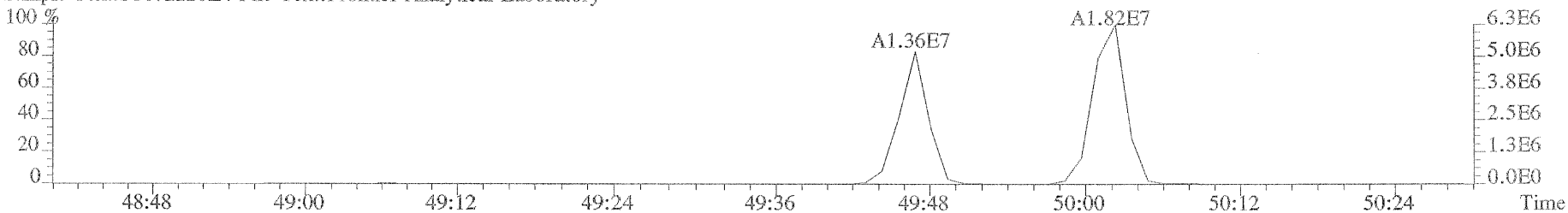
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



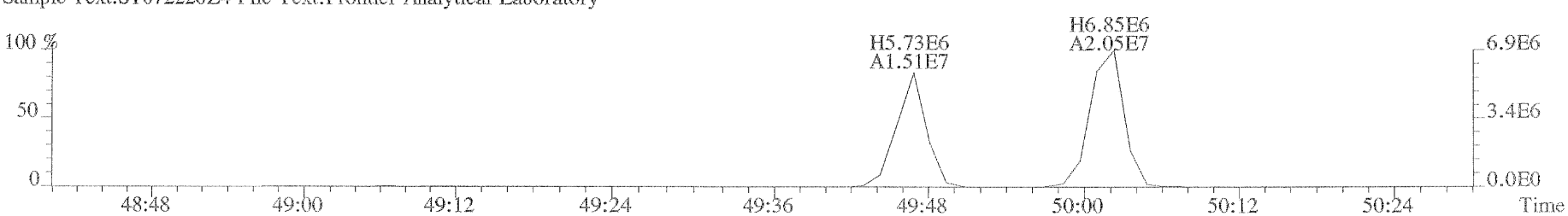
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



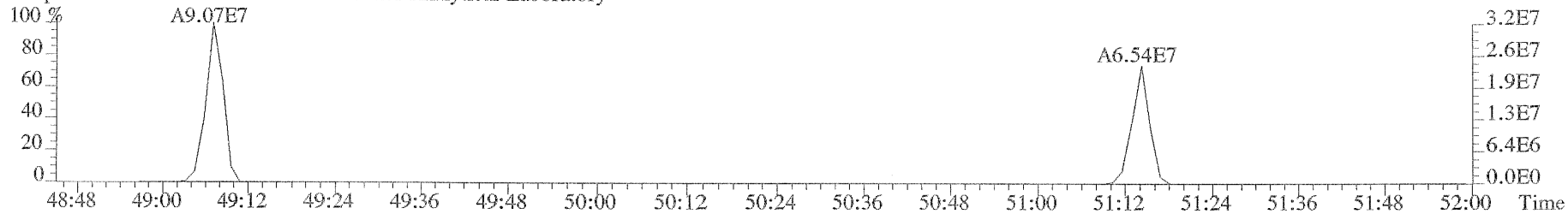
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



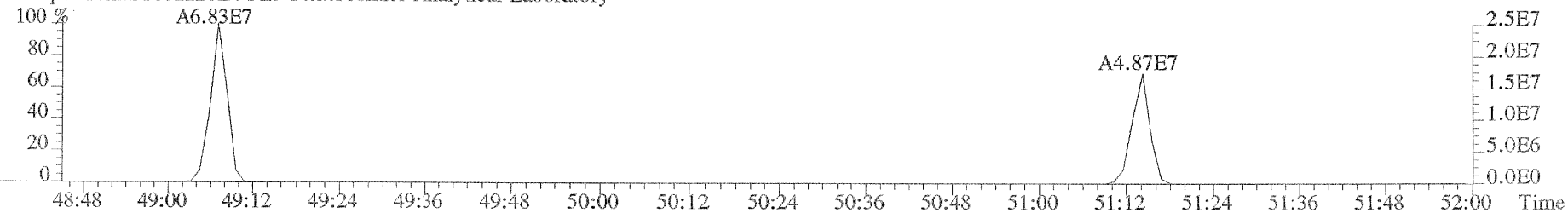
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



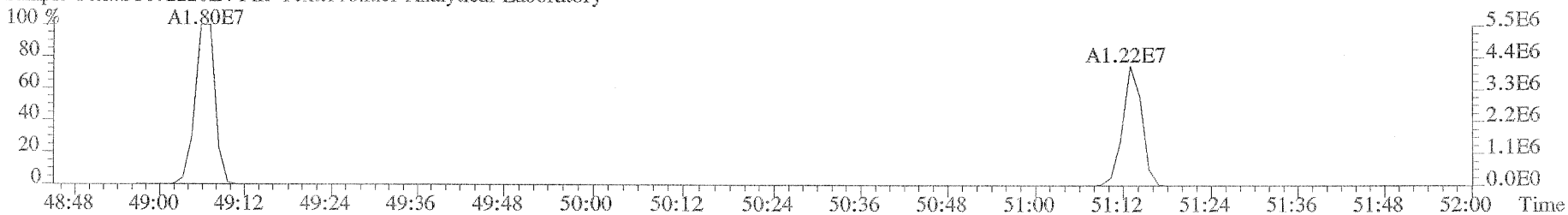
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



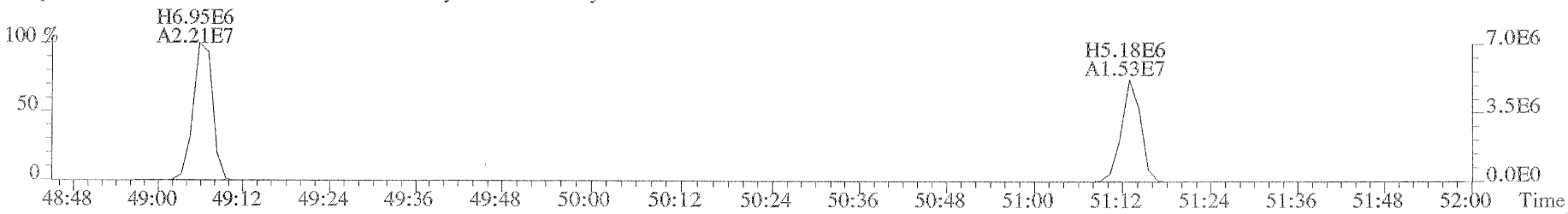
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



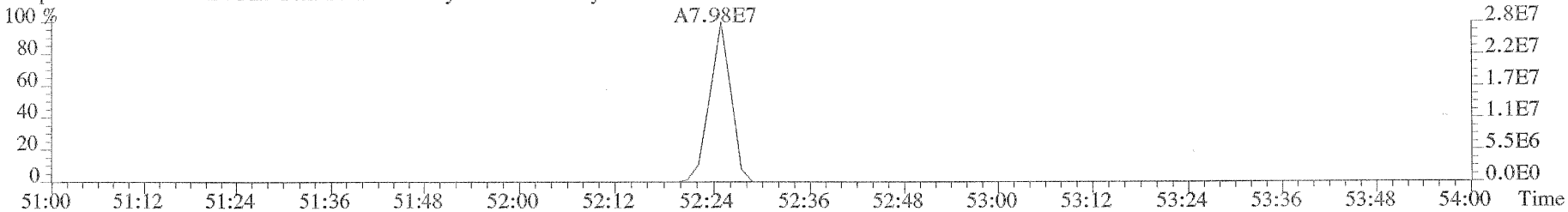
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



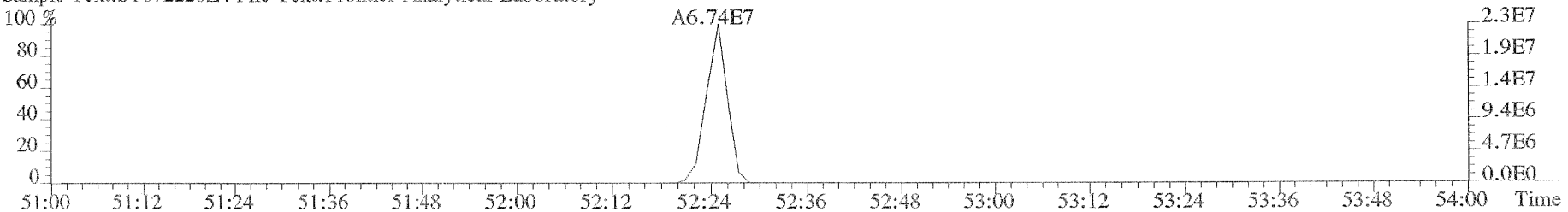
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



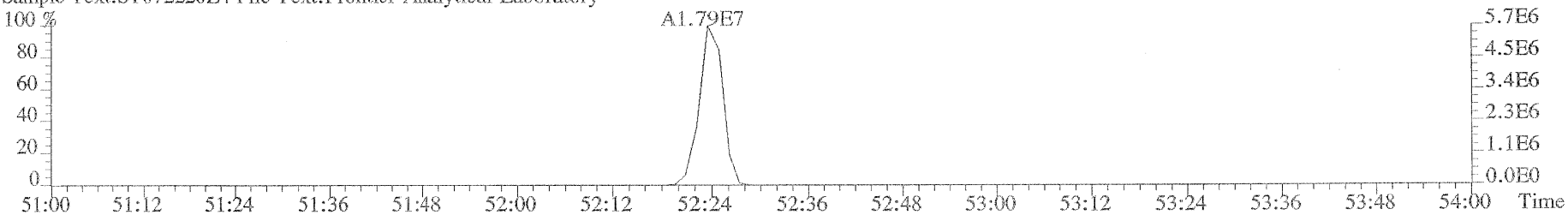
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



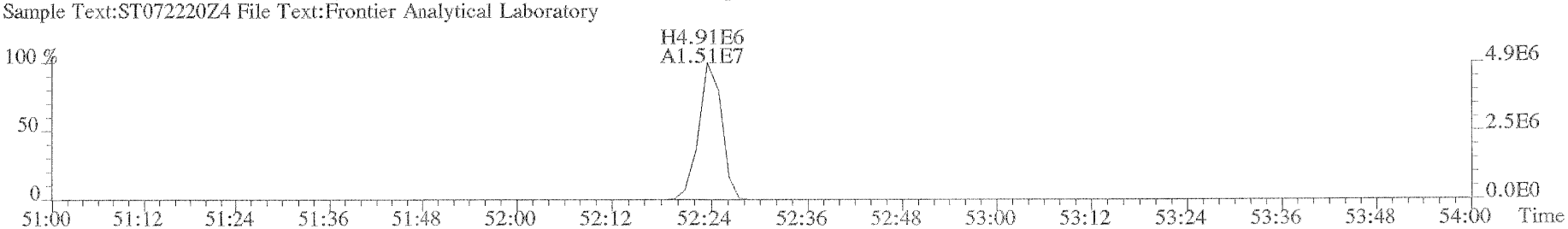
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



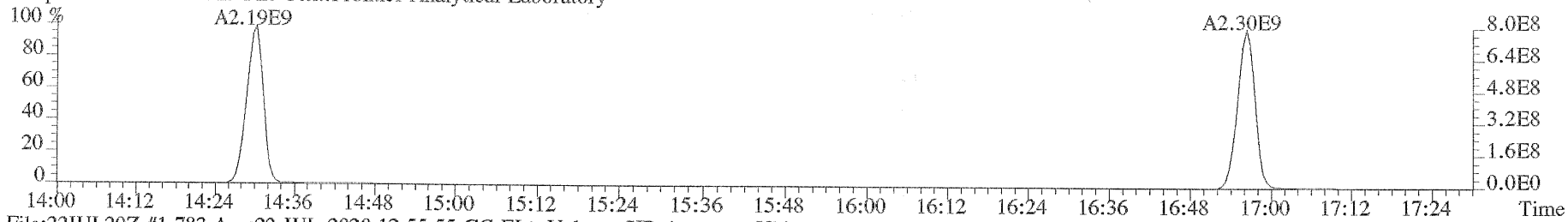
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



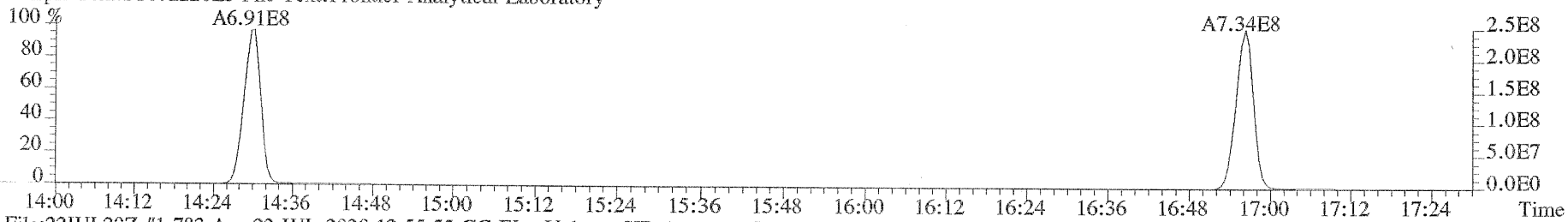
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



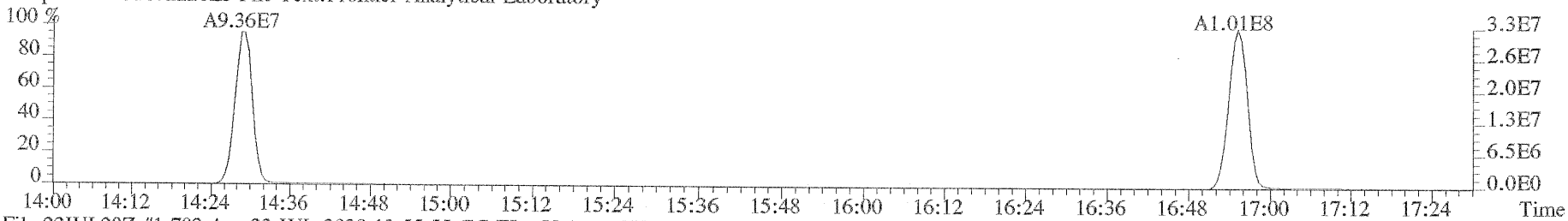
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



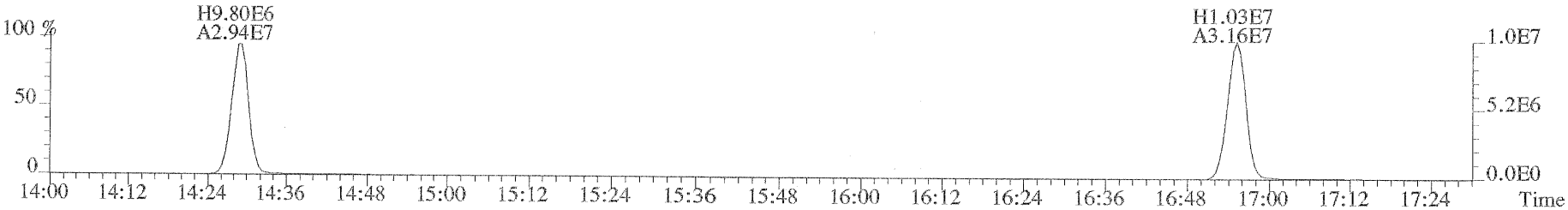
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



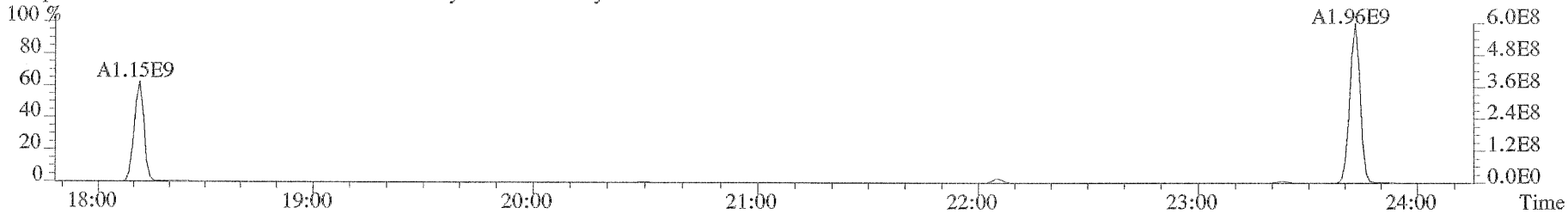
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



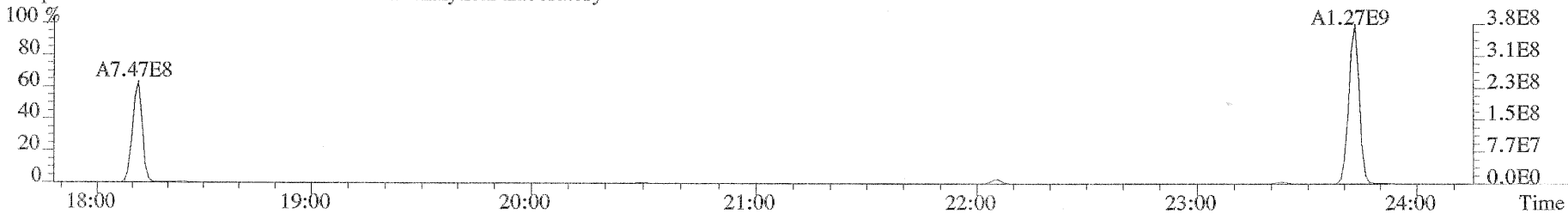
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



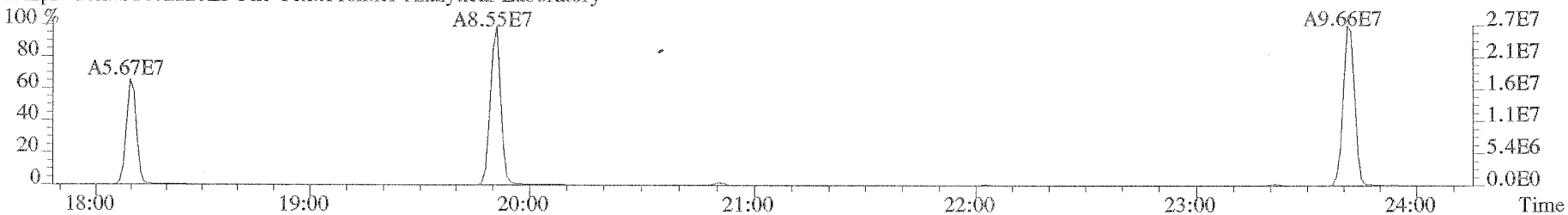
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



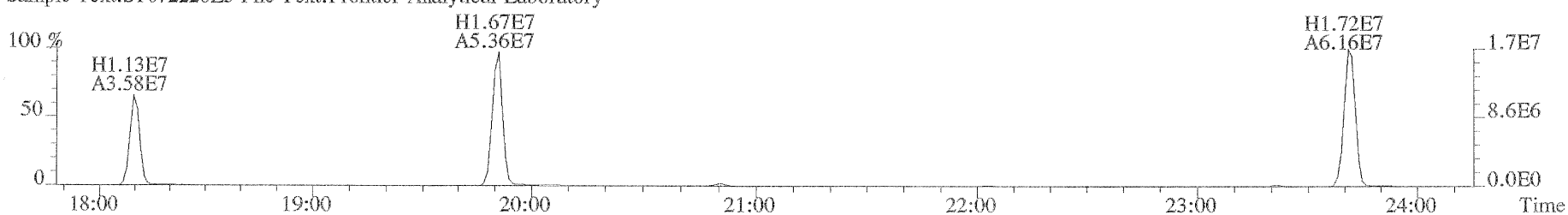
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



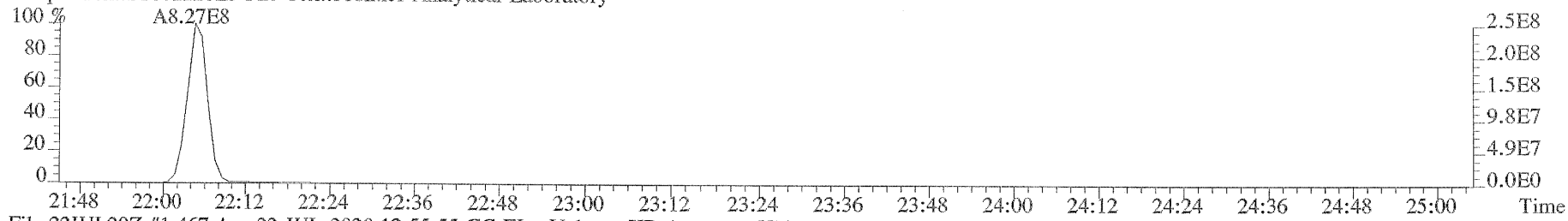
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



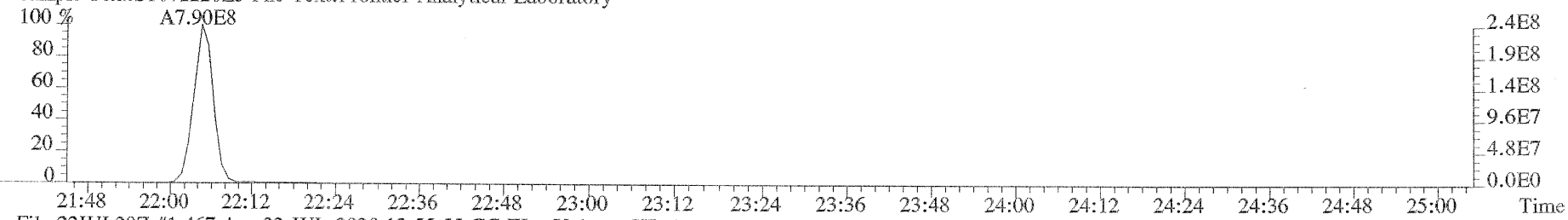
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



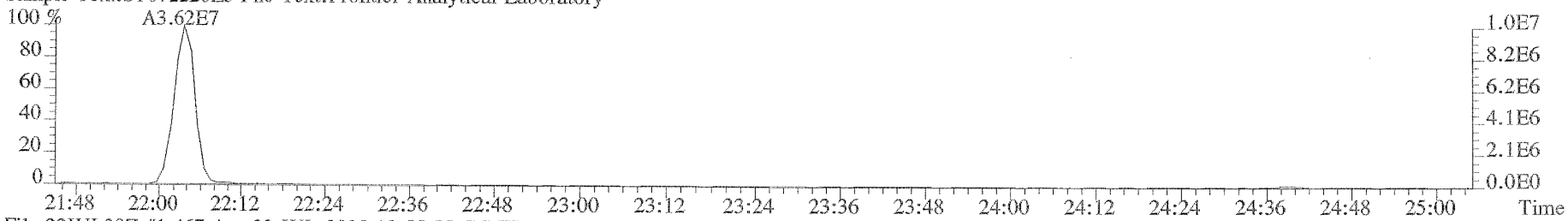
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



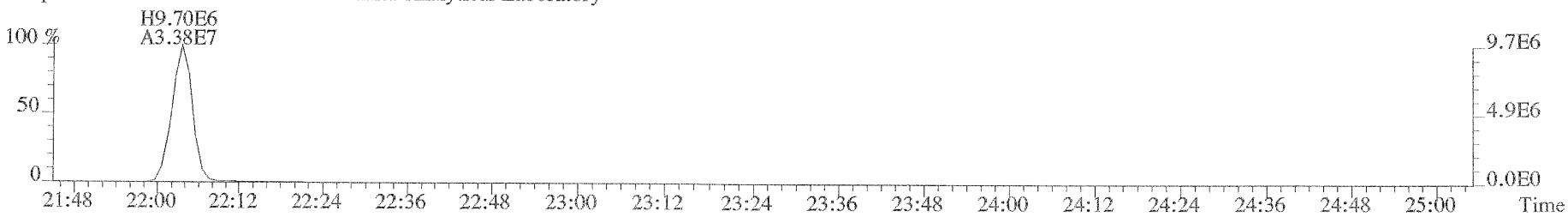
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



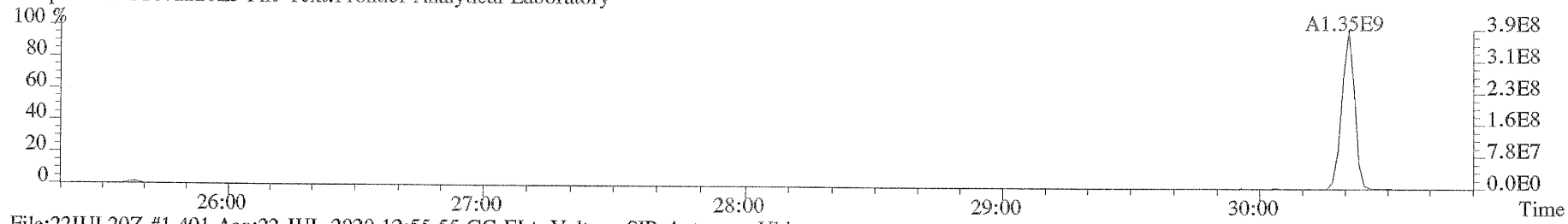
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



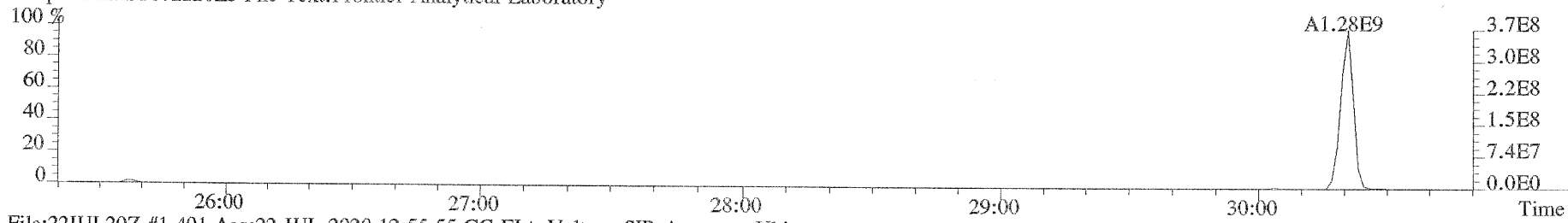
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



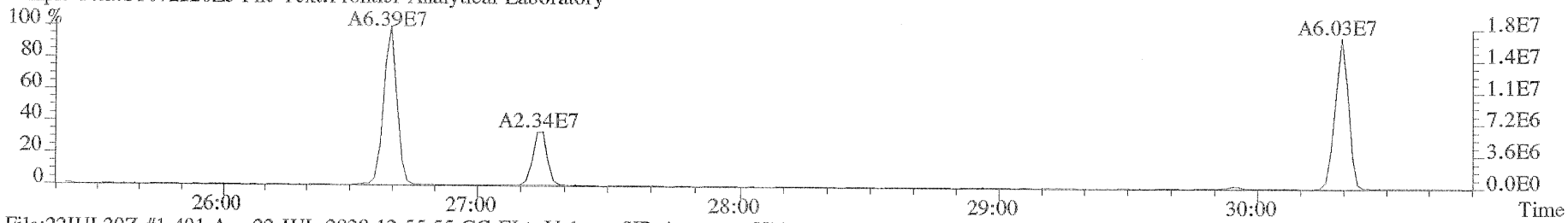
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



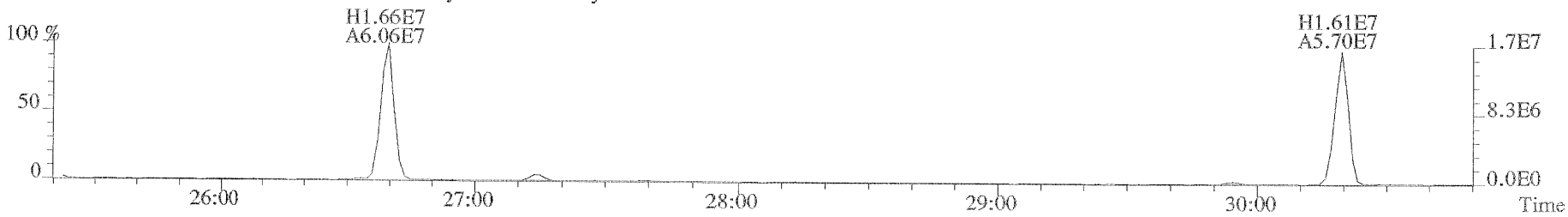
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



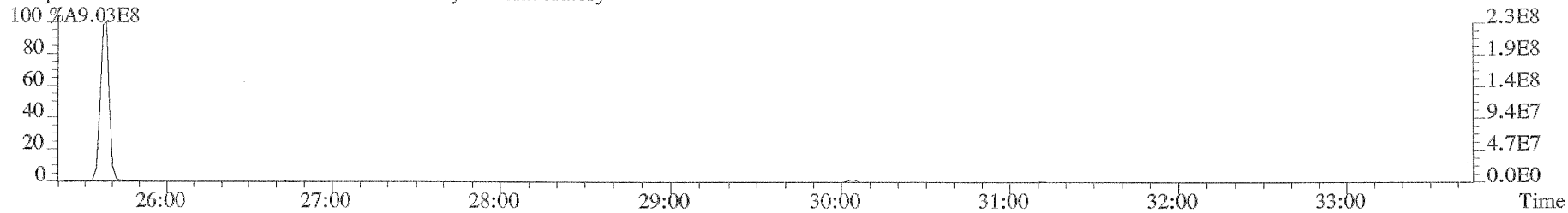
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



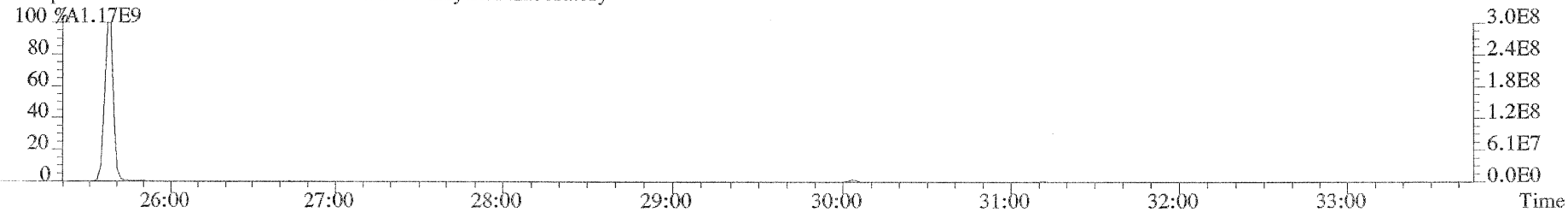
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



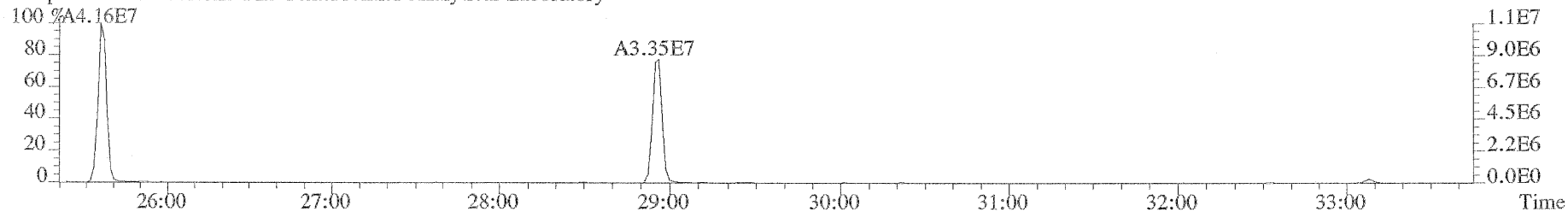
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



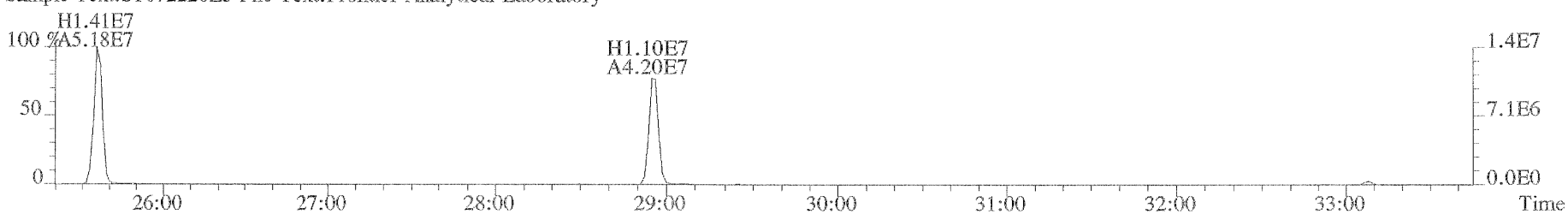
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



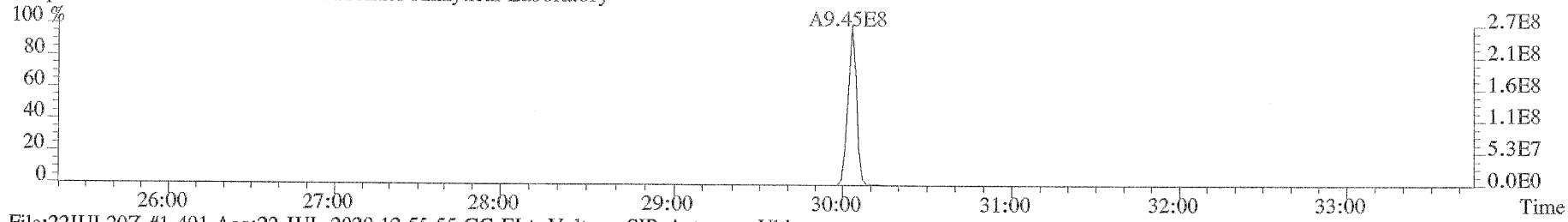
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



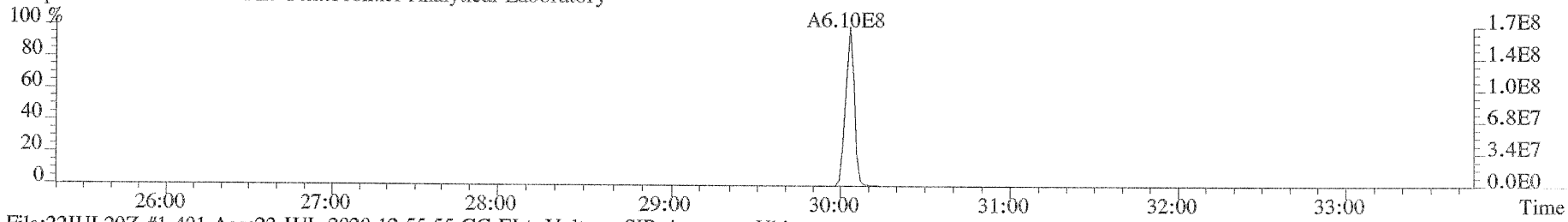
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



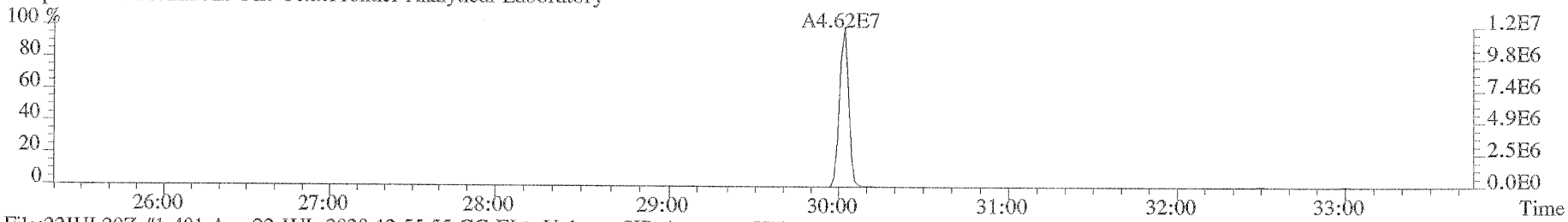
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



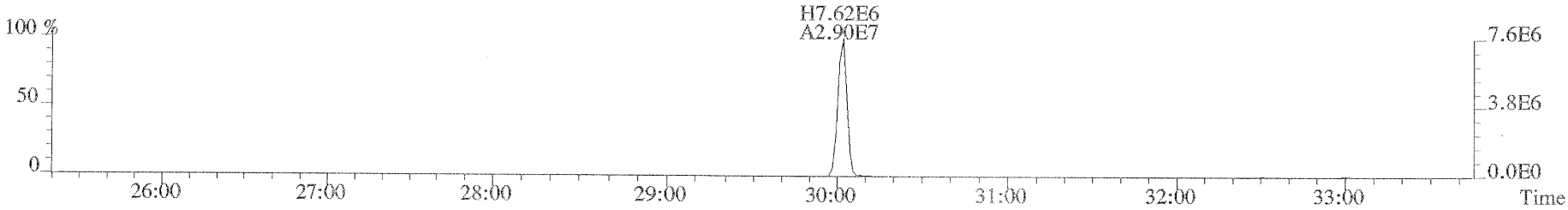
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



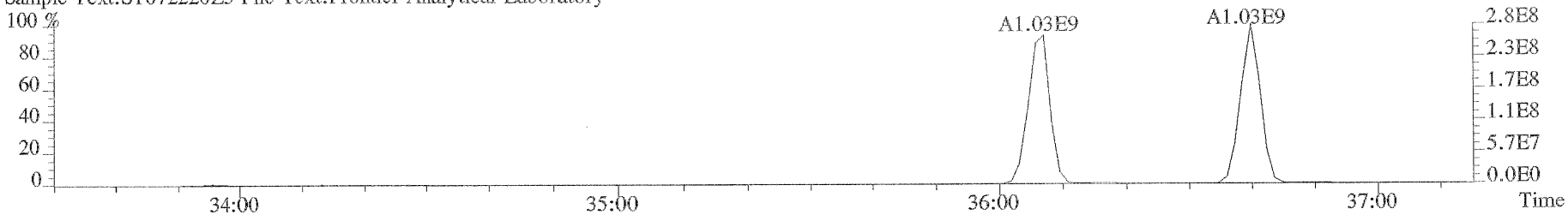
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



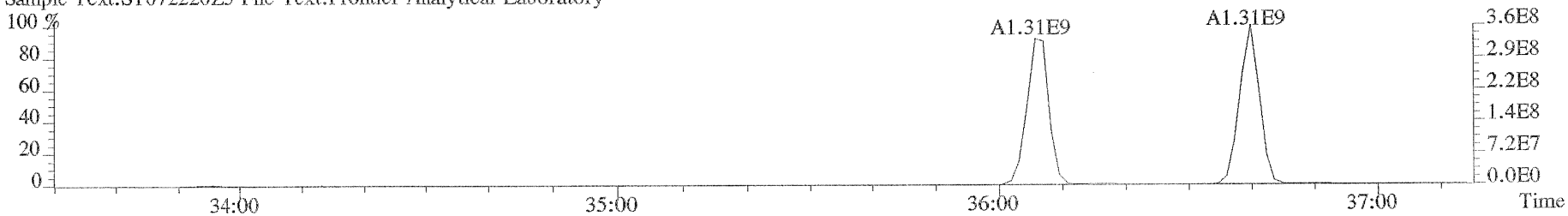
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



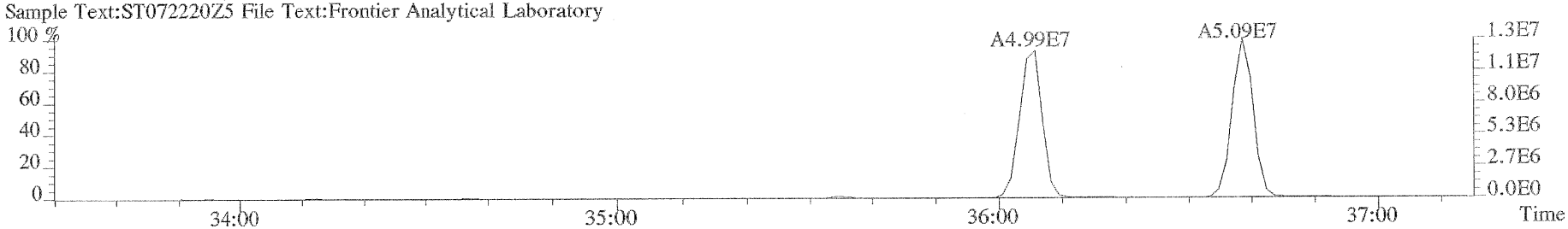
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



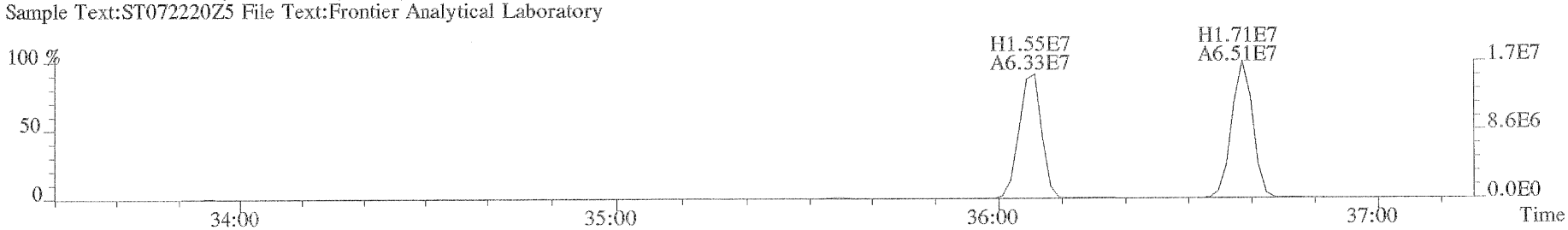
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



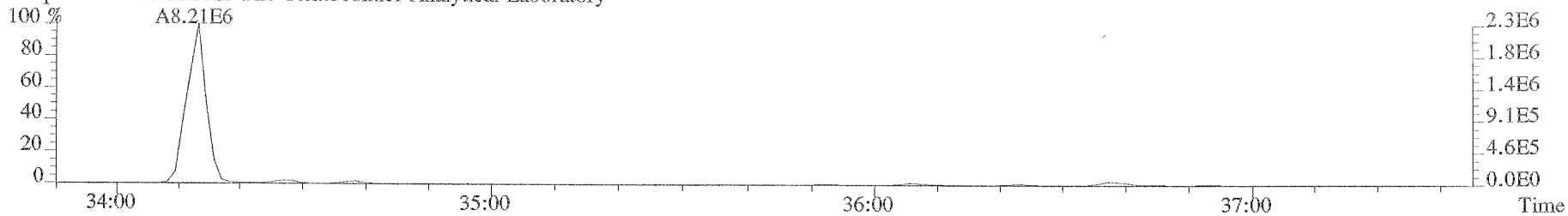
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



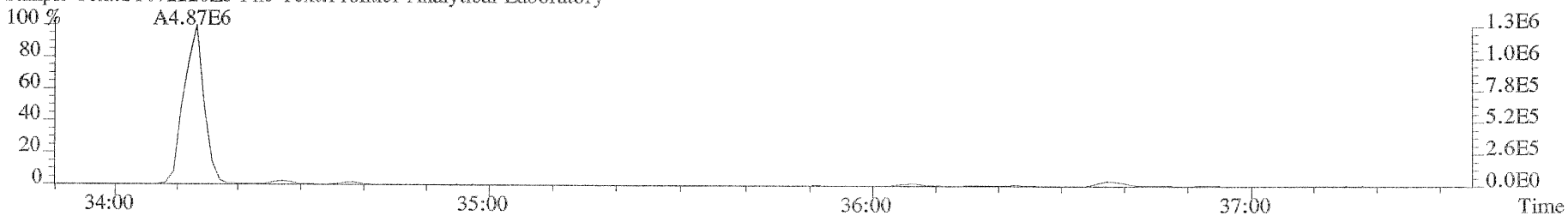
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



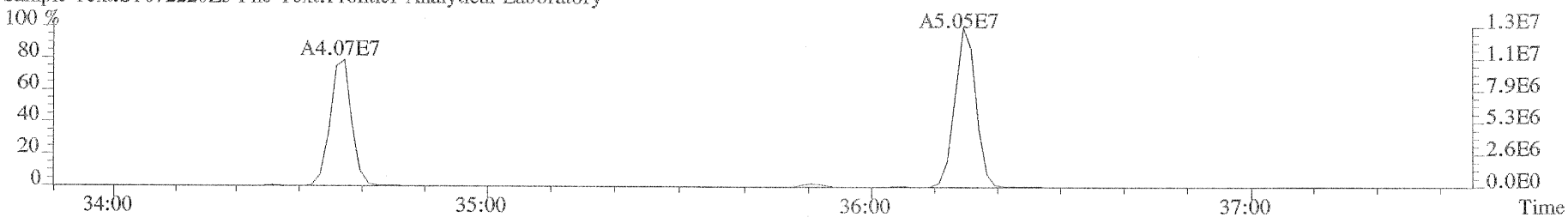
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



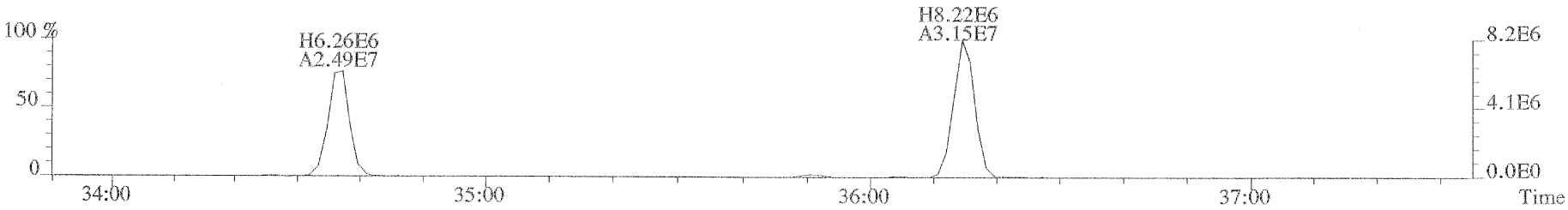
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



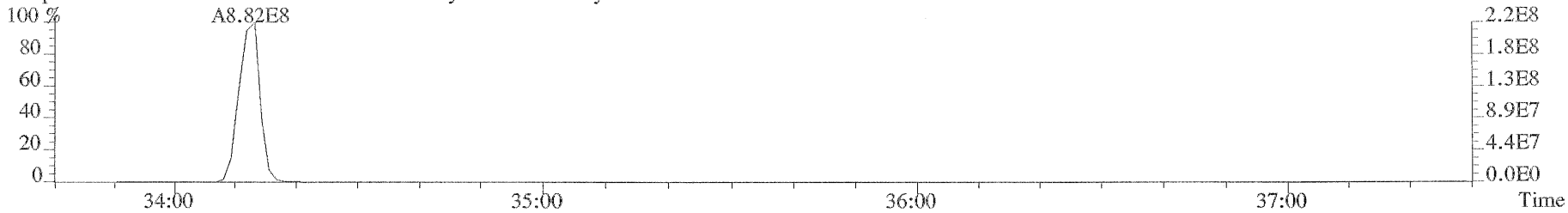
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



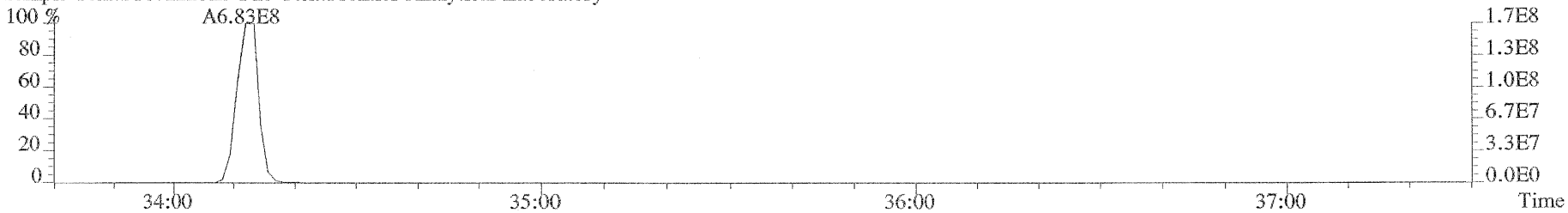
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



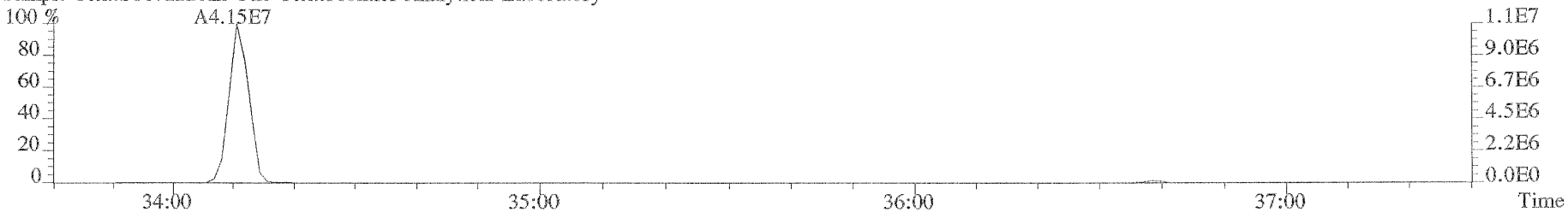
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



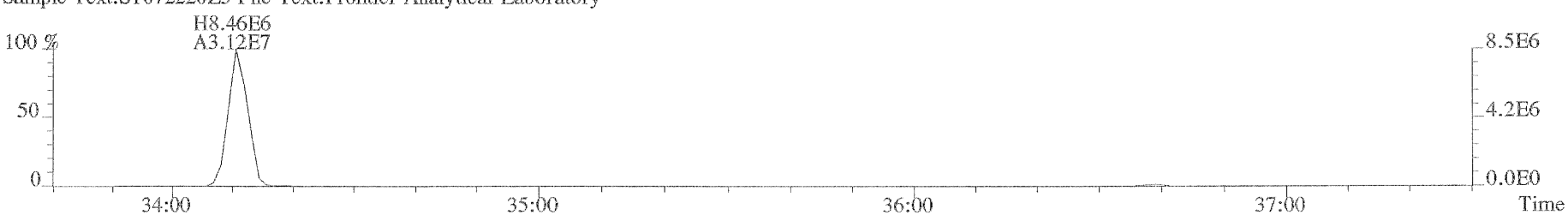
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



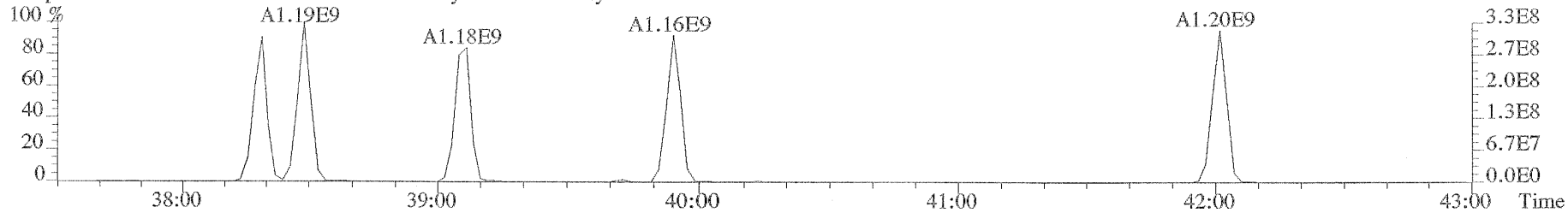
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



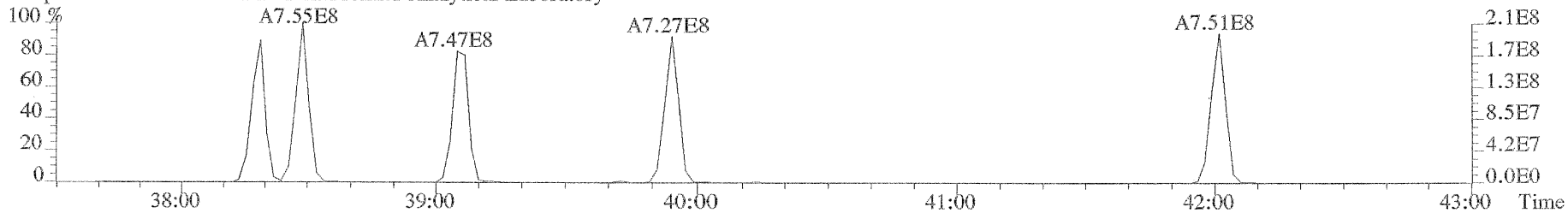
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



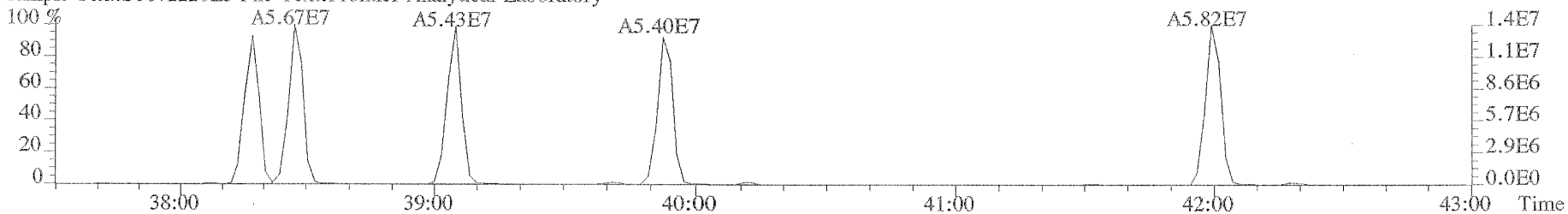
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



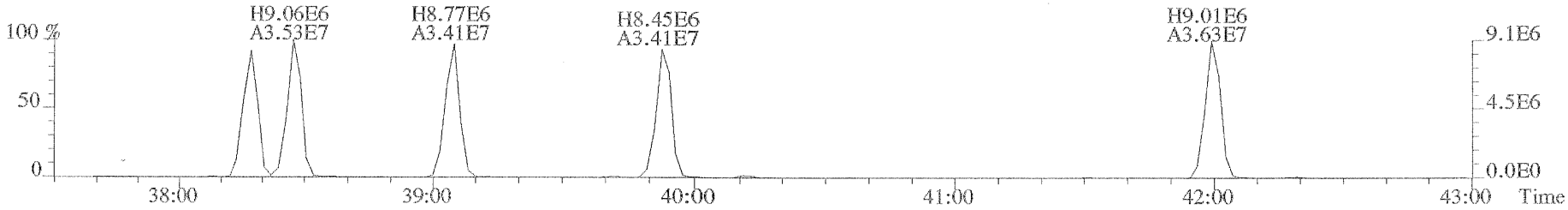
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



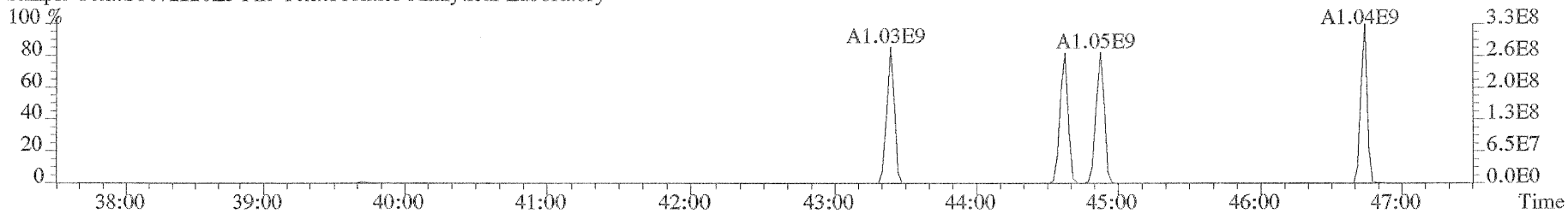
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



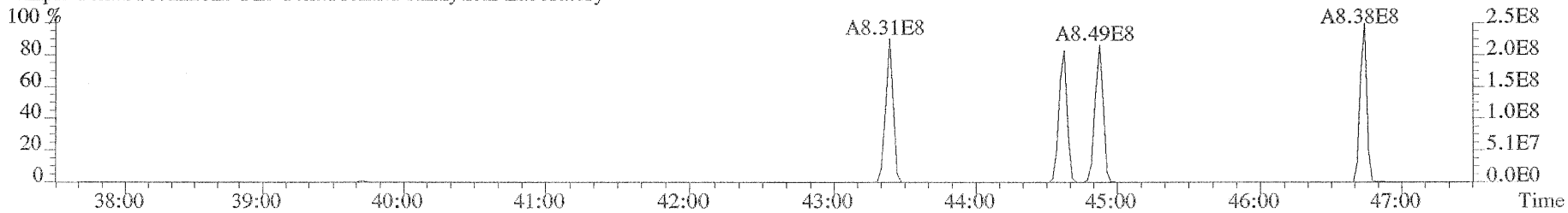
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



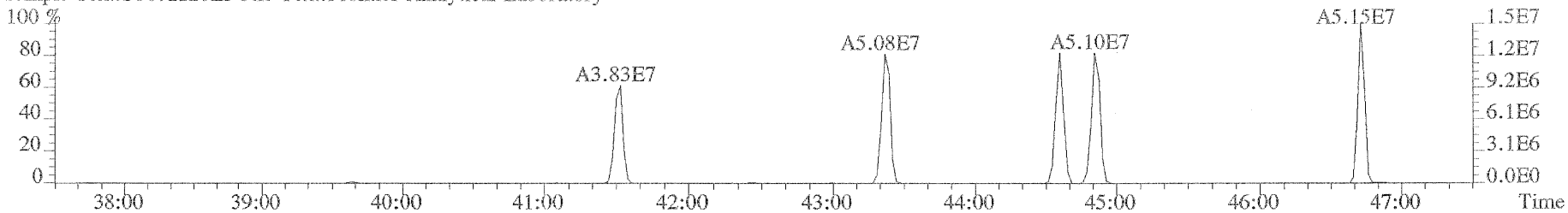
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



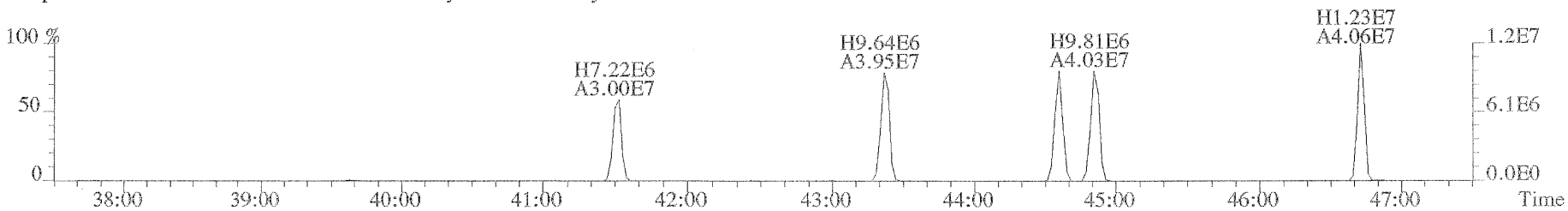
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



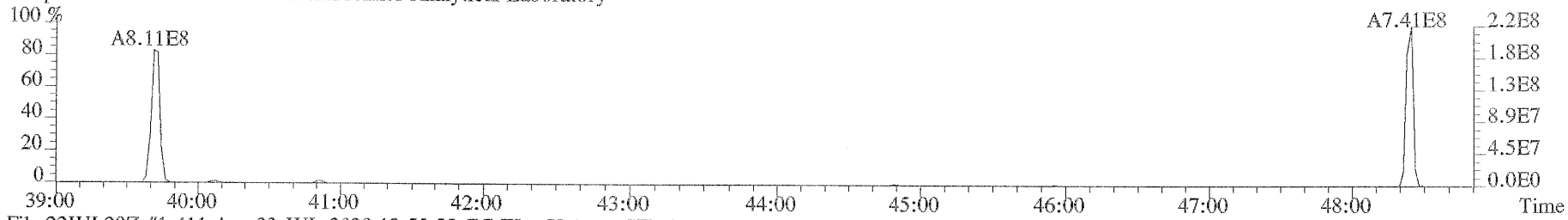
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



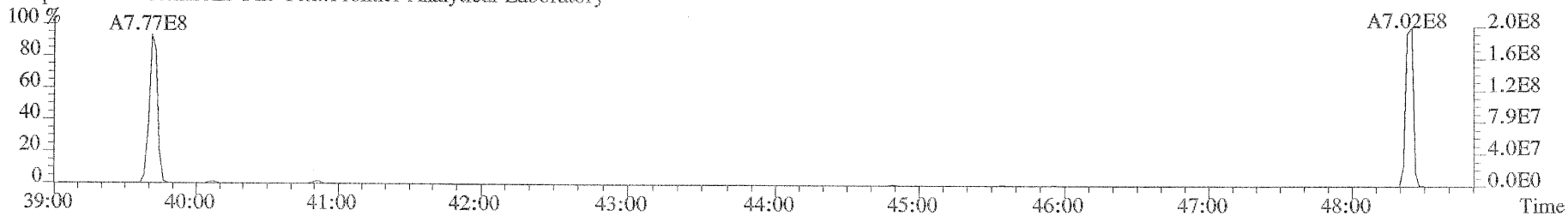
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



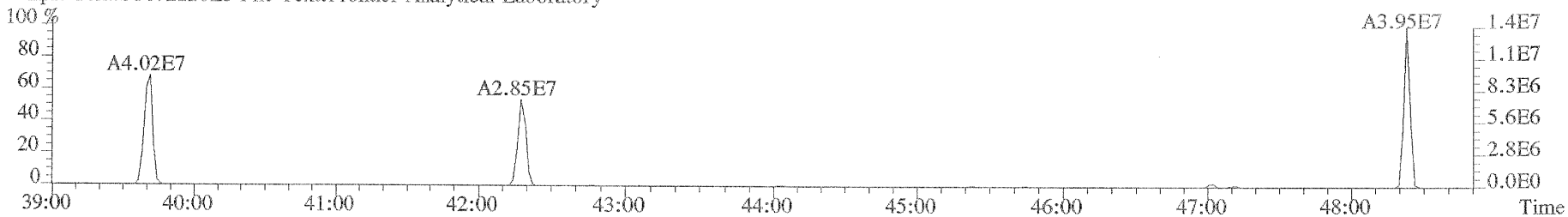
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



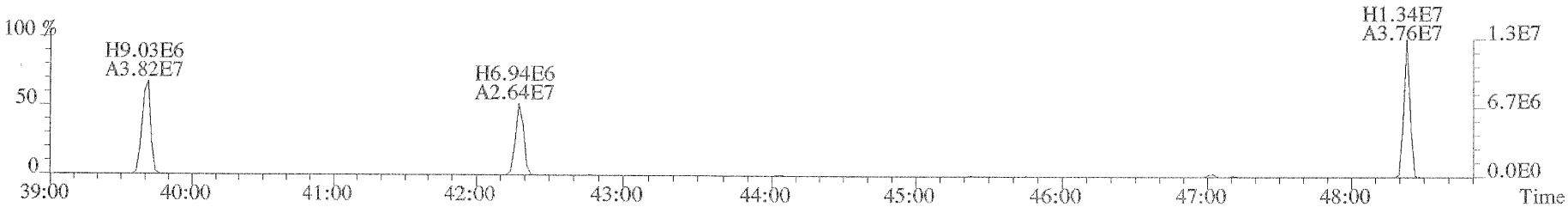
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



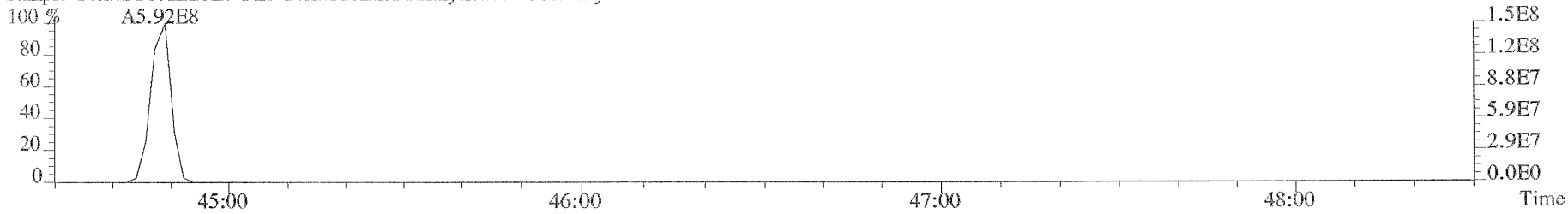
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



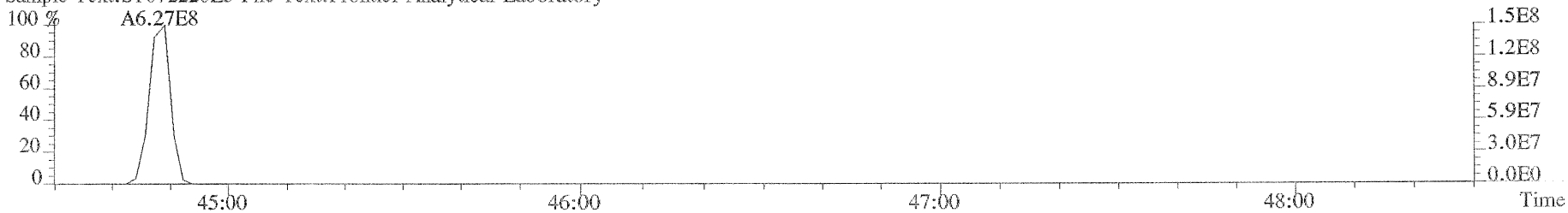
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



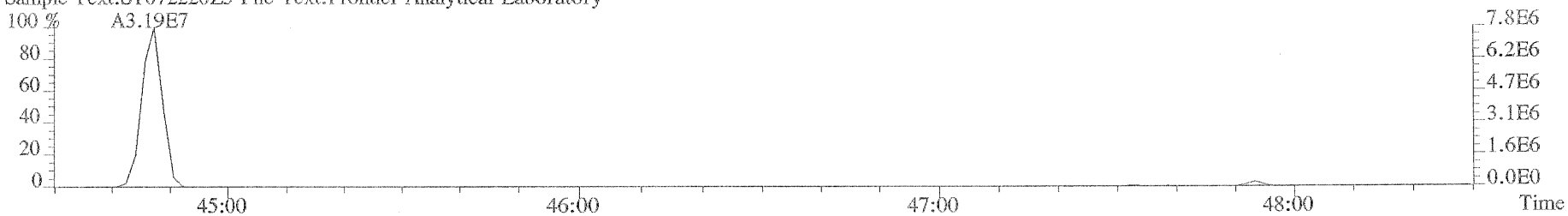
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



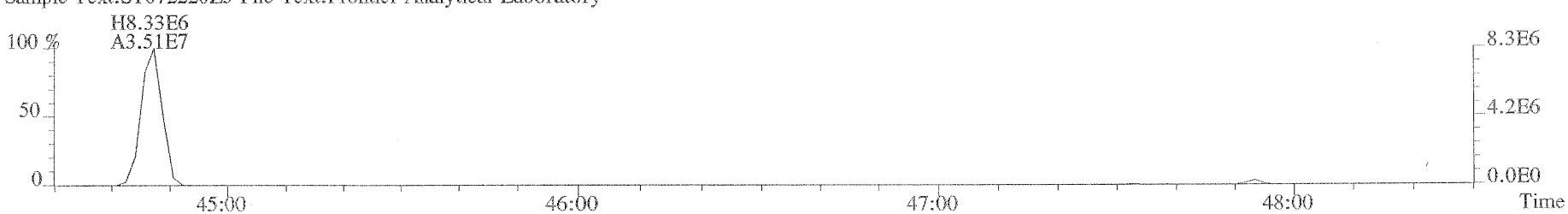
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



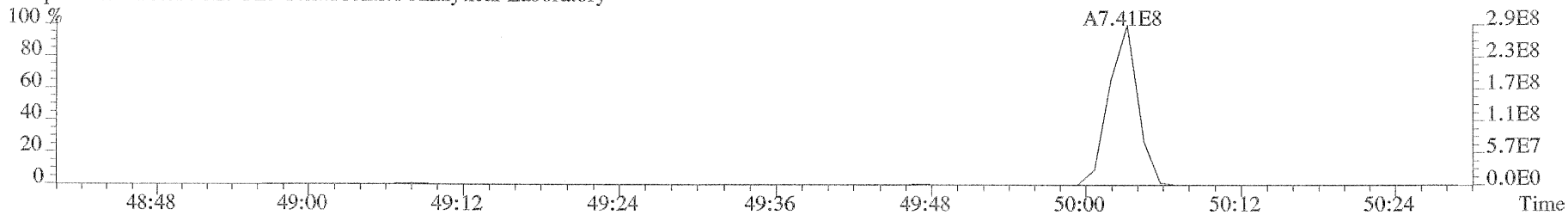
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



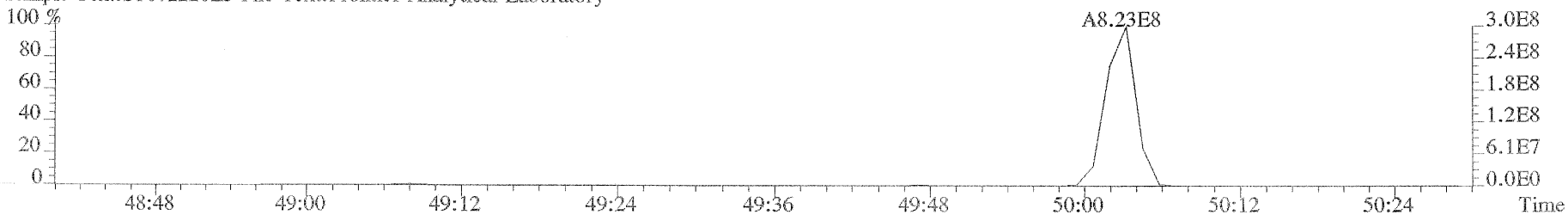
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



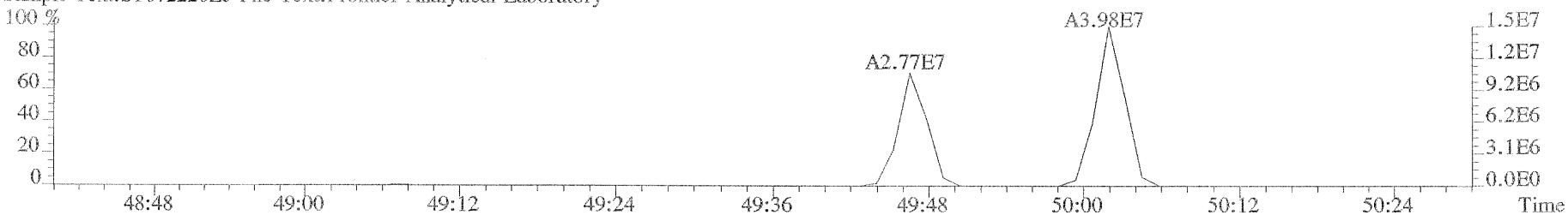
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



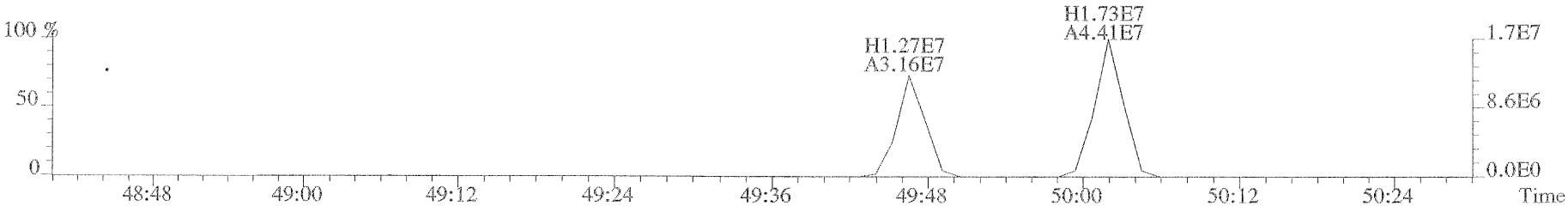
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



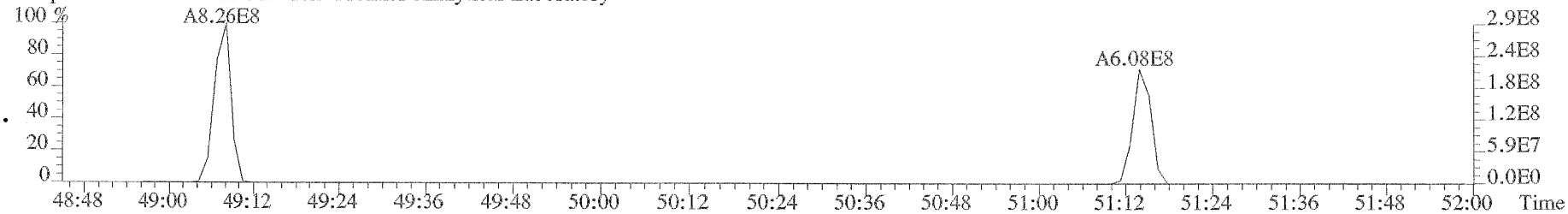
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



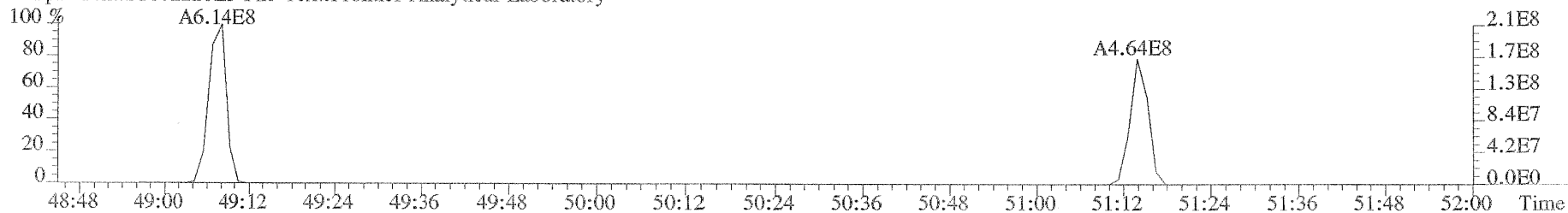
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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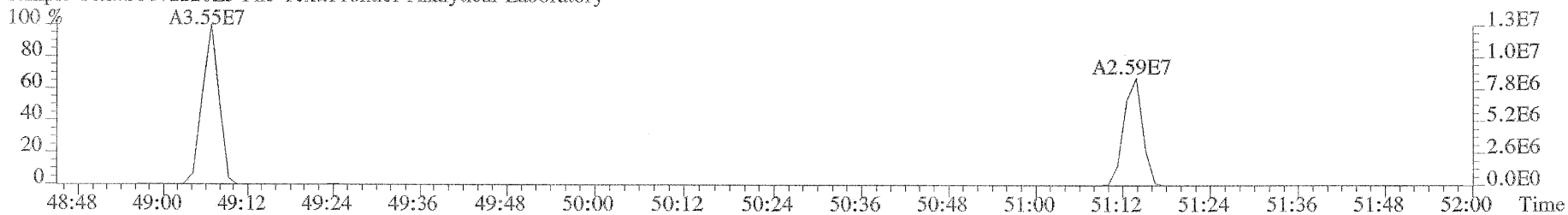
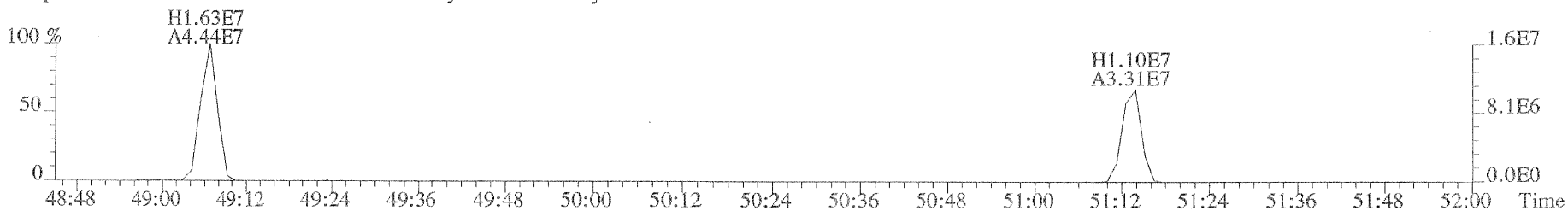
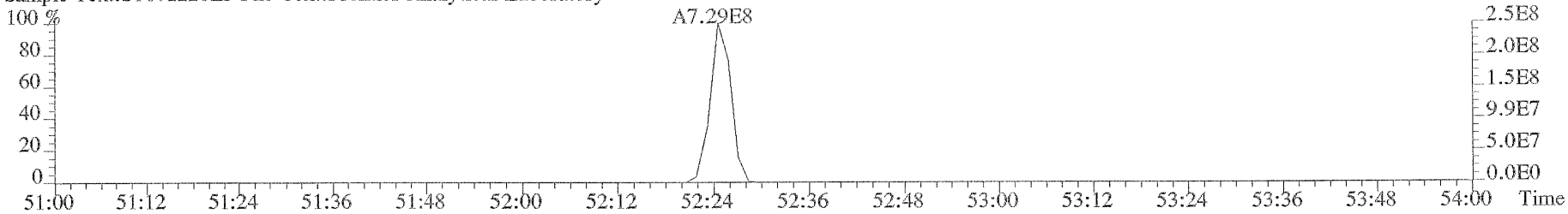
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



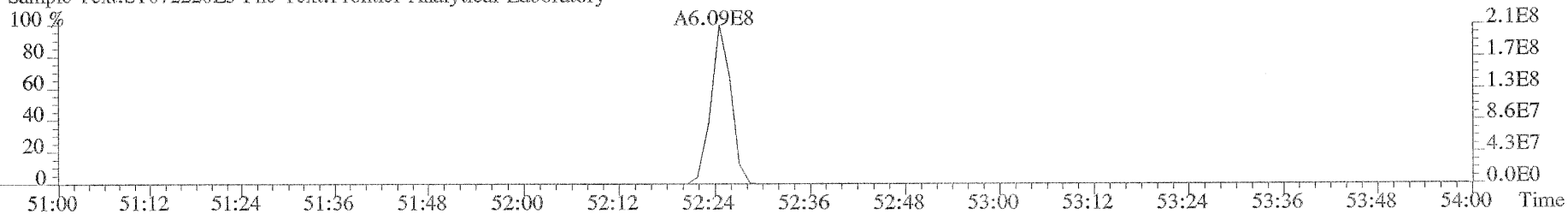
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



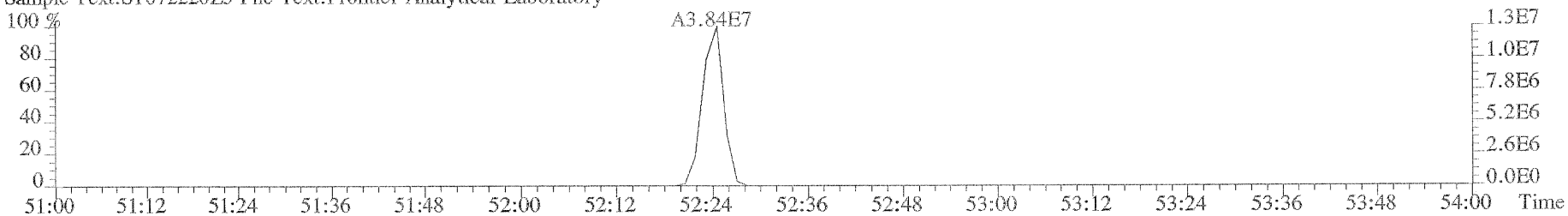
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



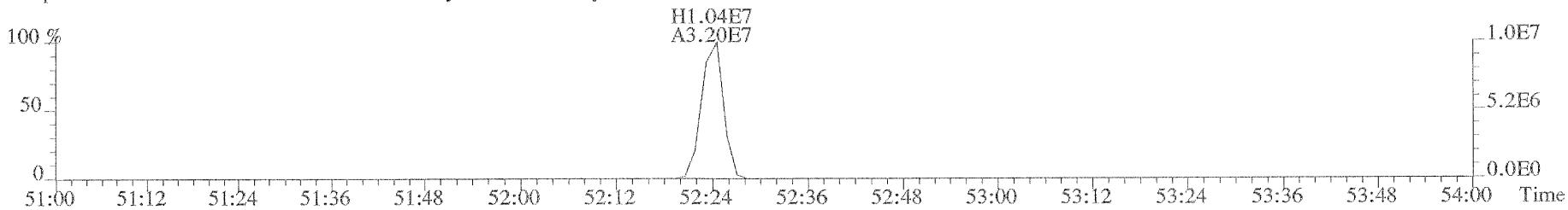
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



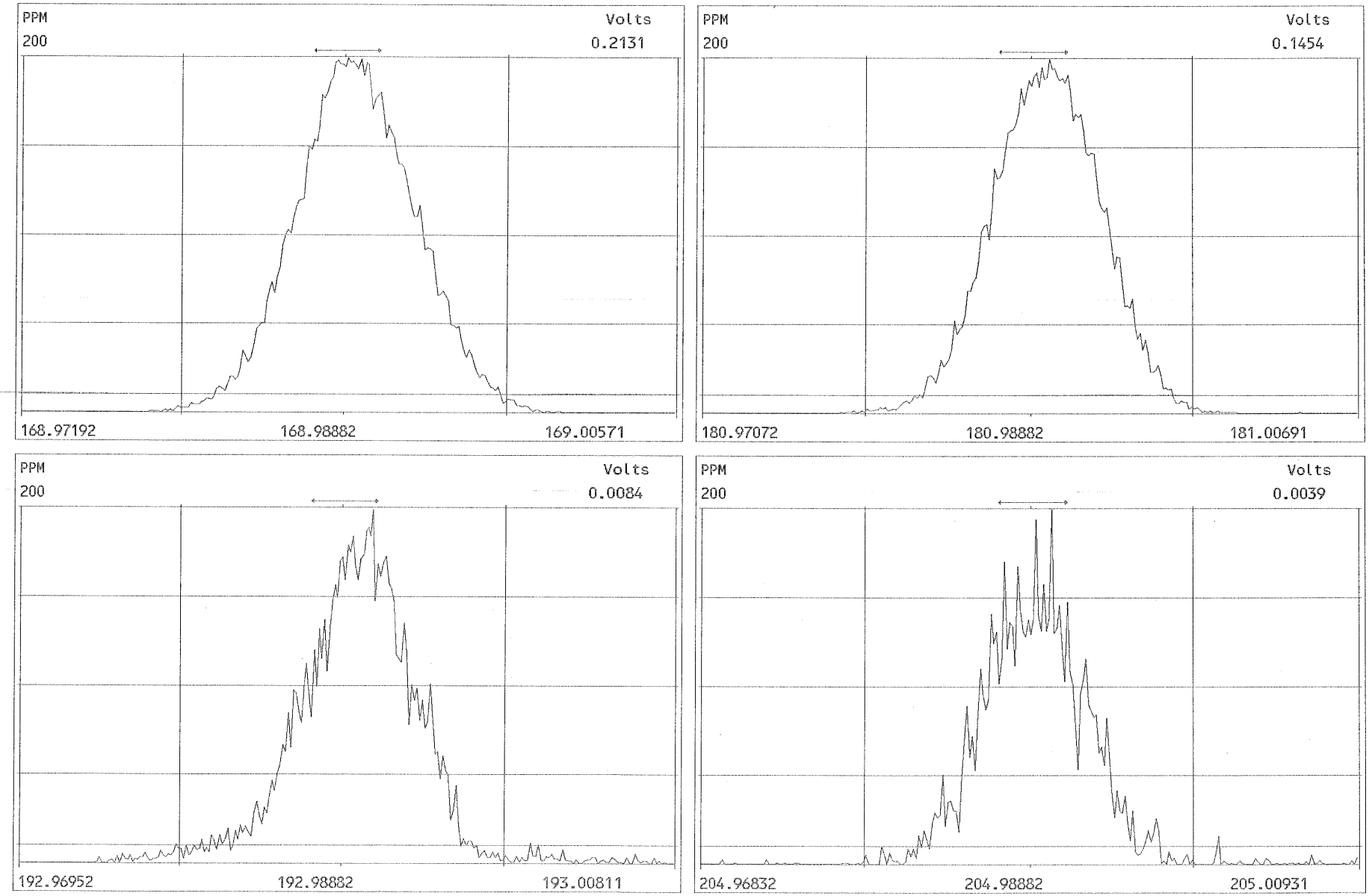
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

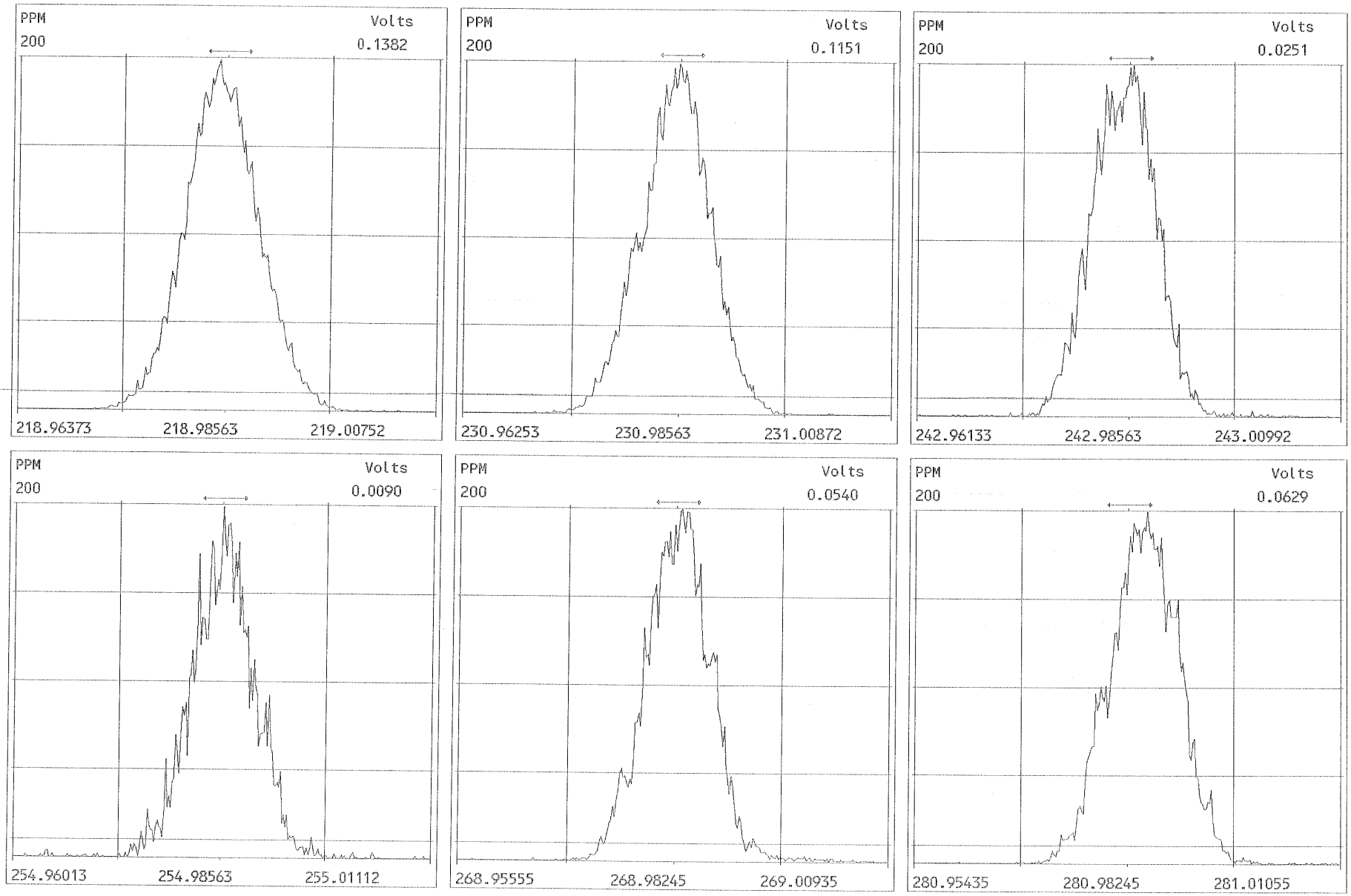


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

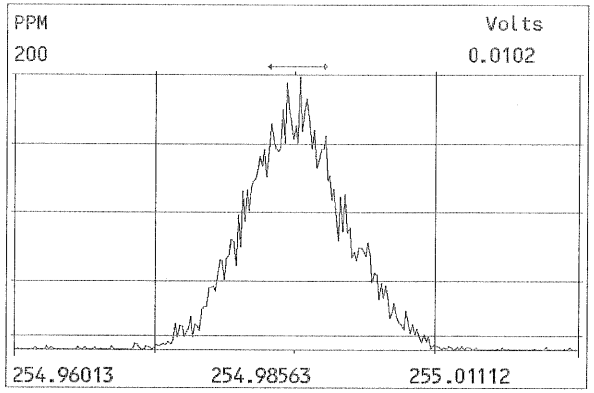


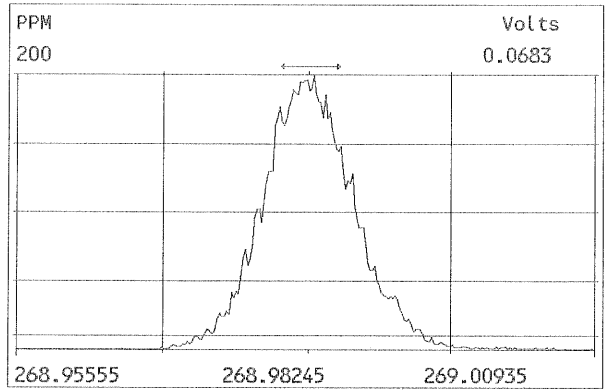
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

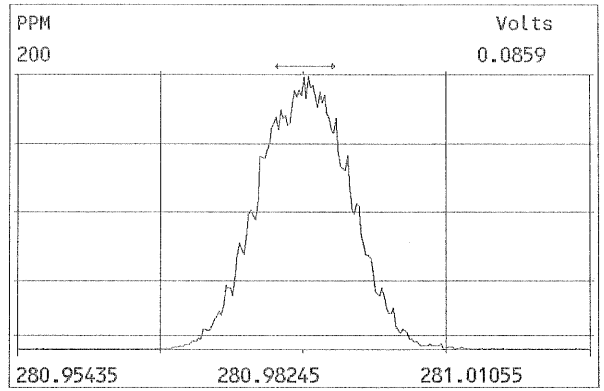
Experiment:1668PCB Function:2 Reference:PFK 98

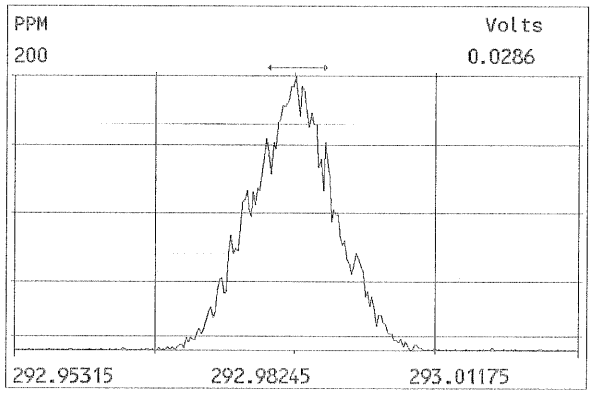


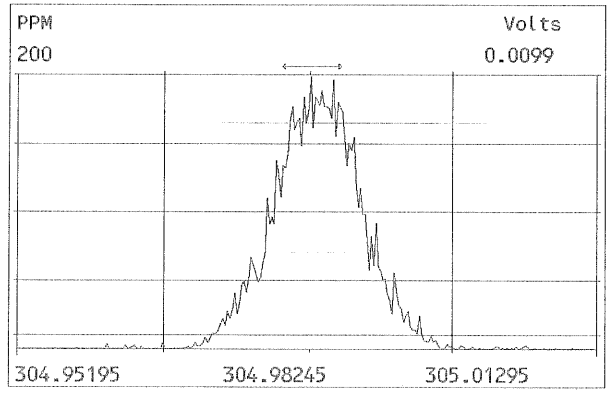
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

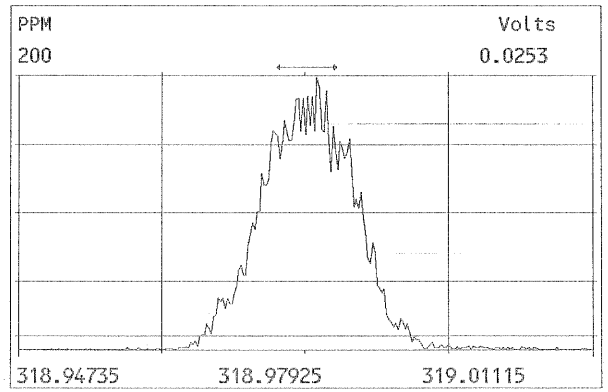


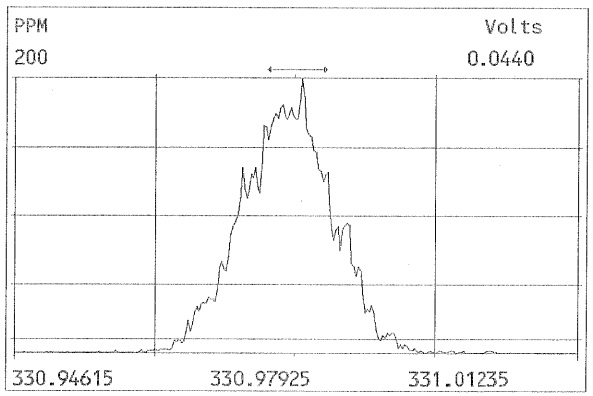


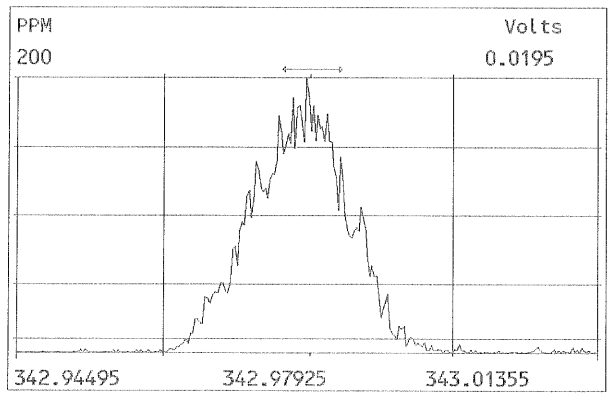






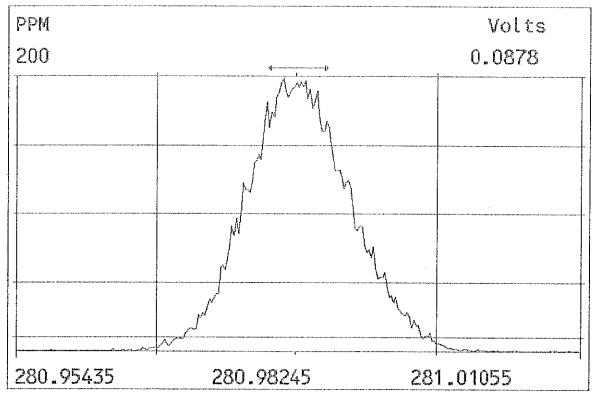


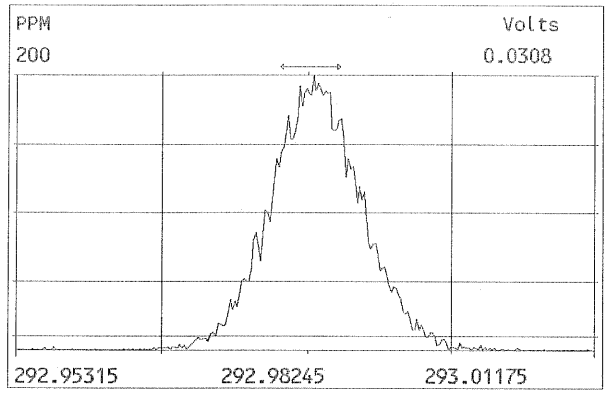


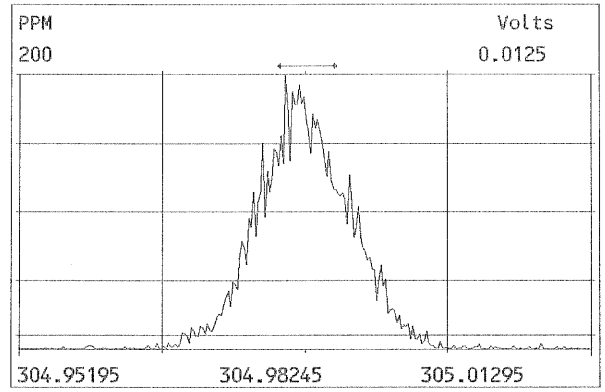


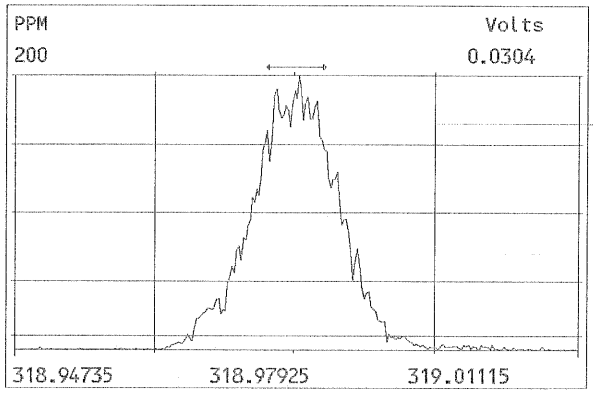
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

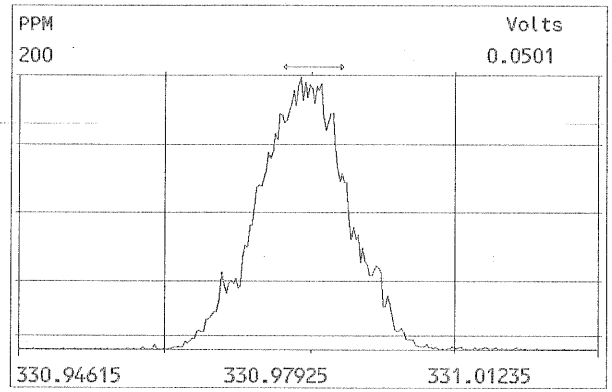
Experiment:1668PCB Function:4 Reference:PFK98

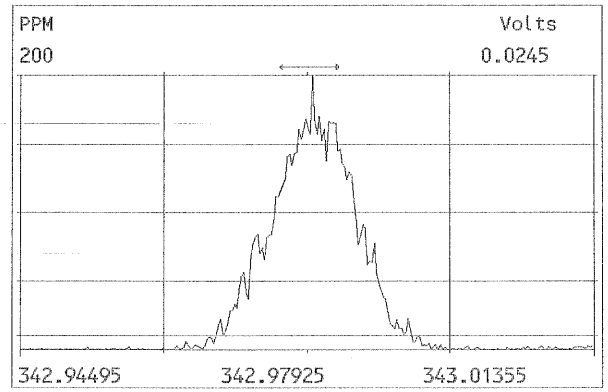


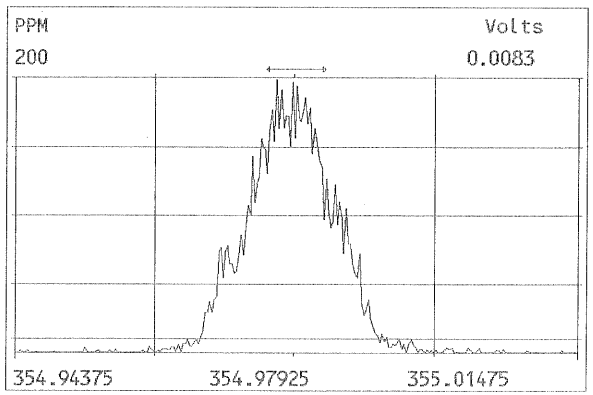


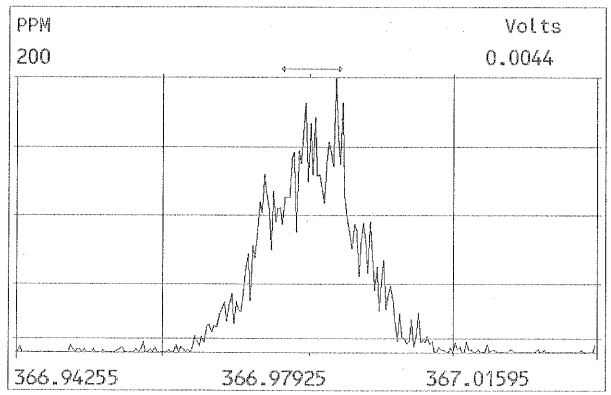


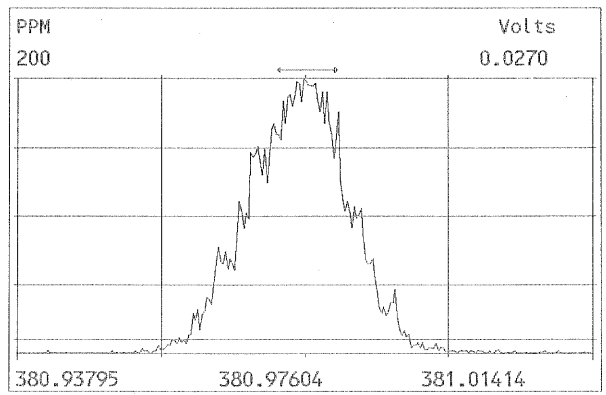




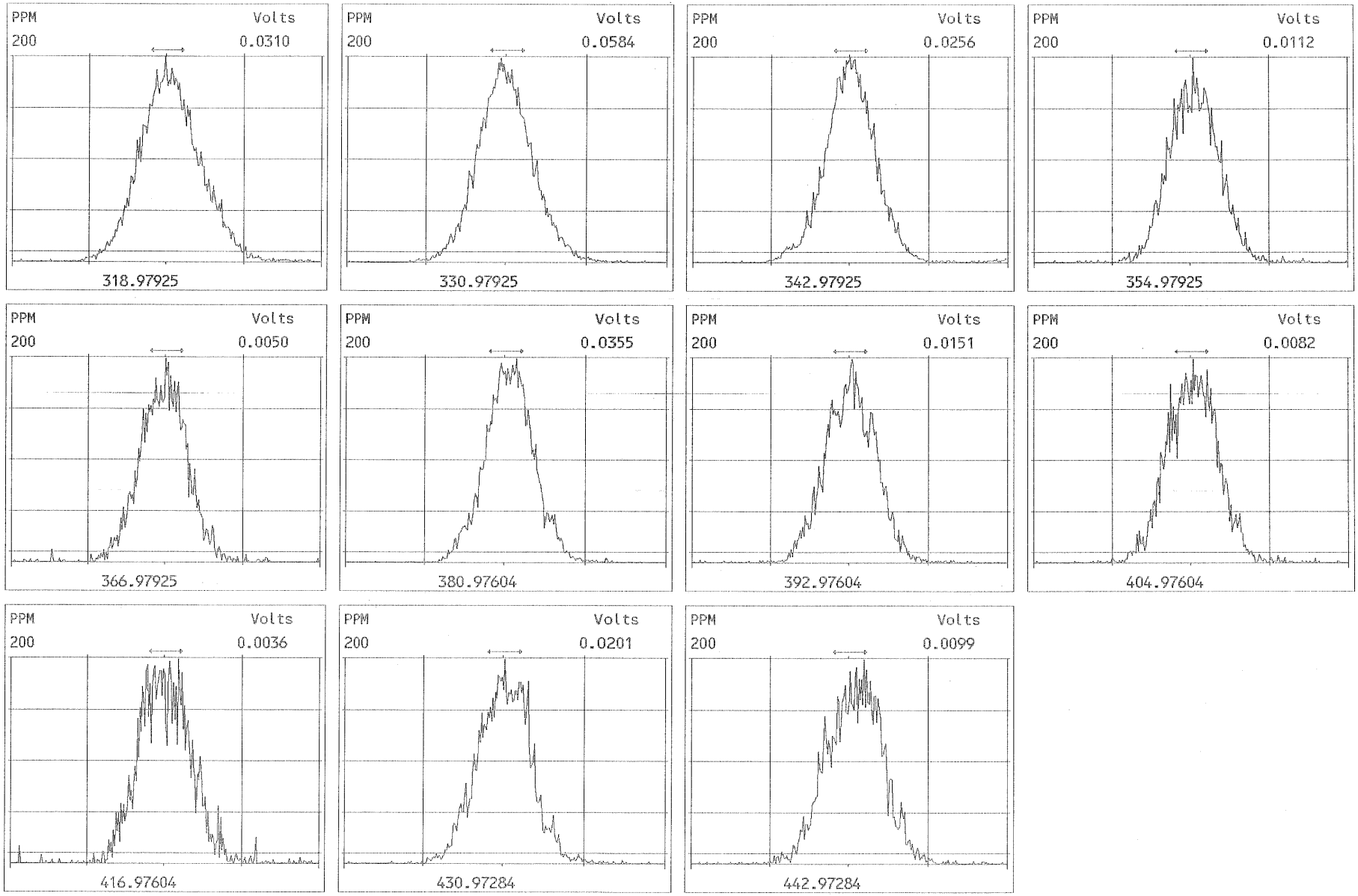




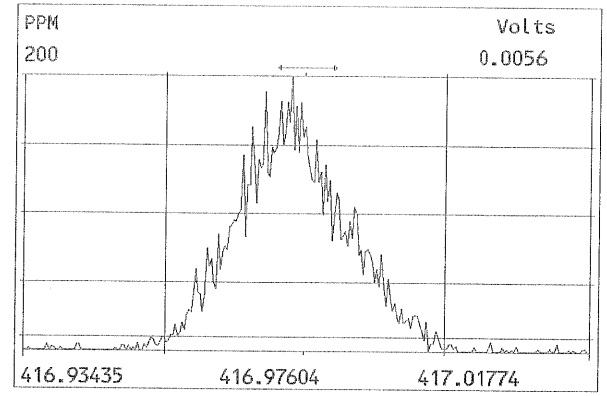


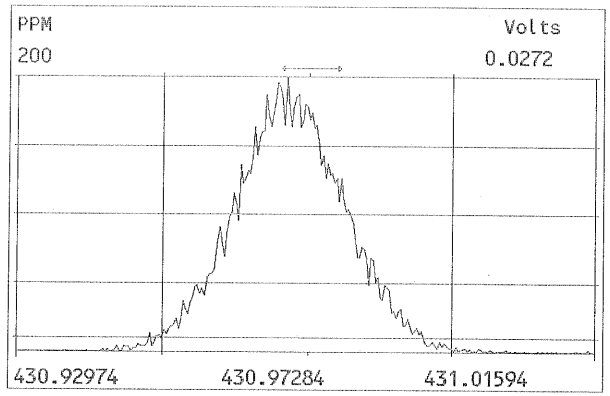


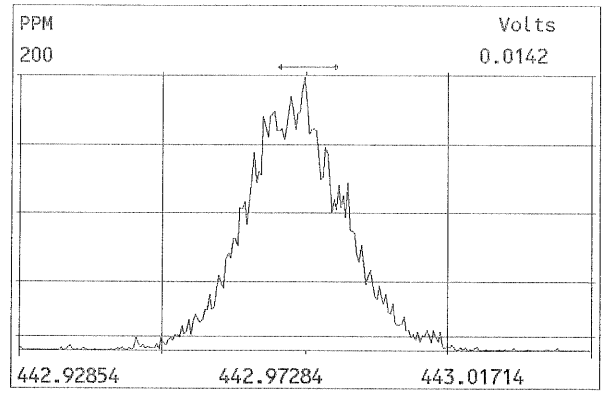
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

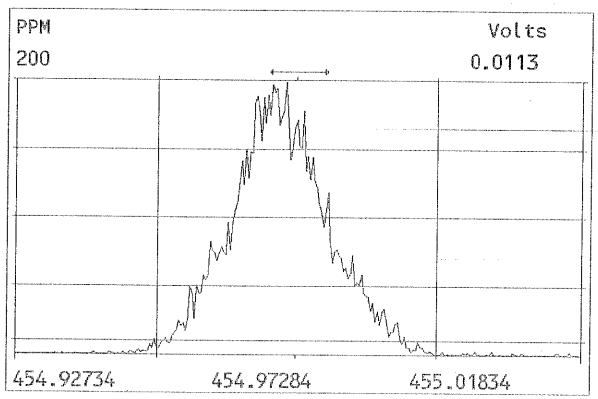


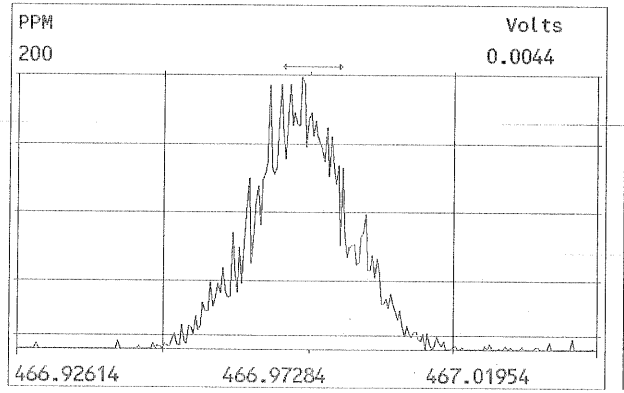
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

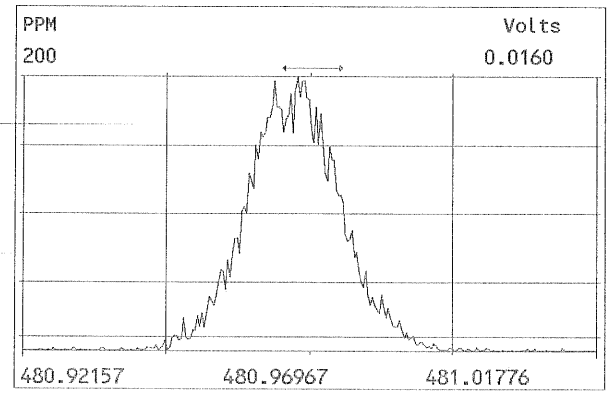


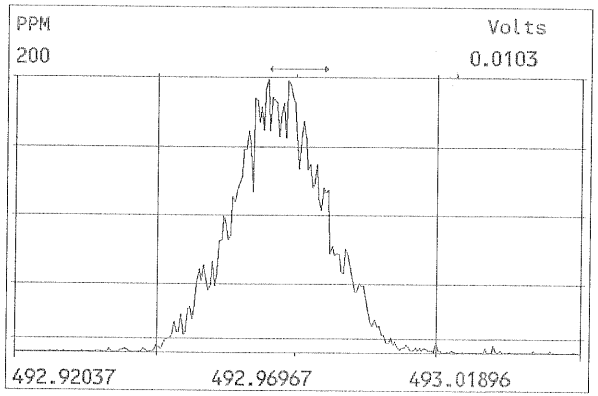


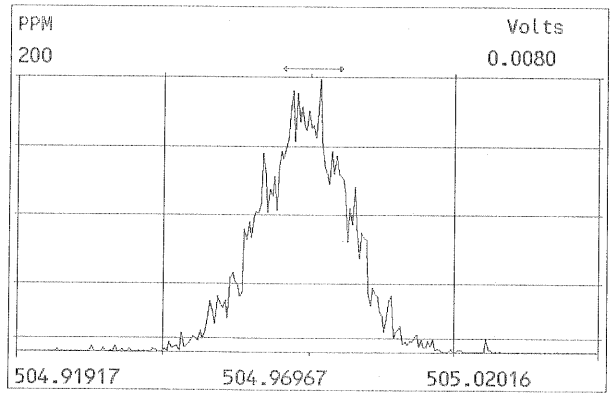


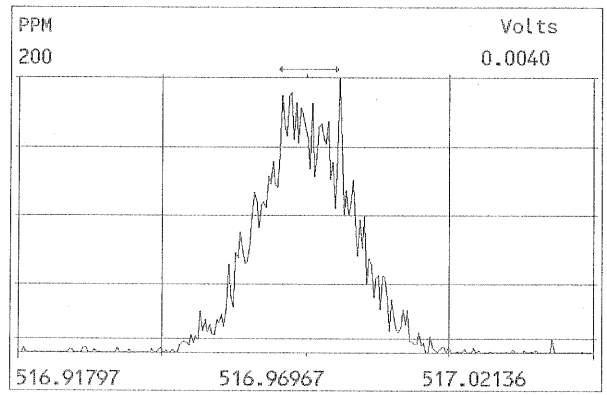












Cal: DAILY209FAL4-10-27-20

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: ST102720Z1 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: [signature] 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: b 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: [signature] Date: 10/30/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:27OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

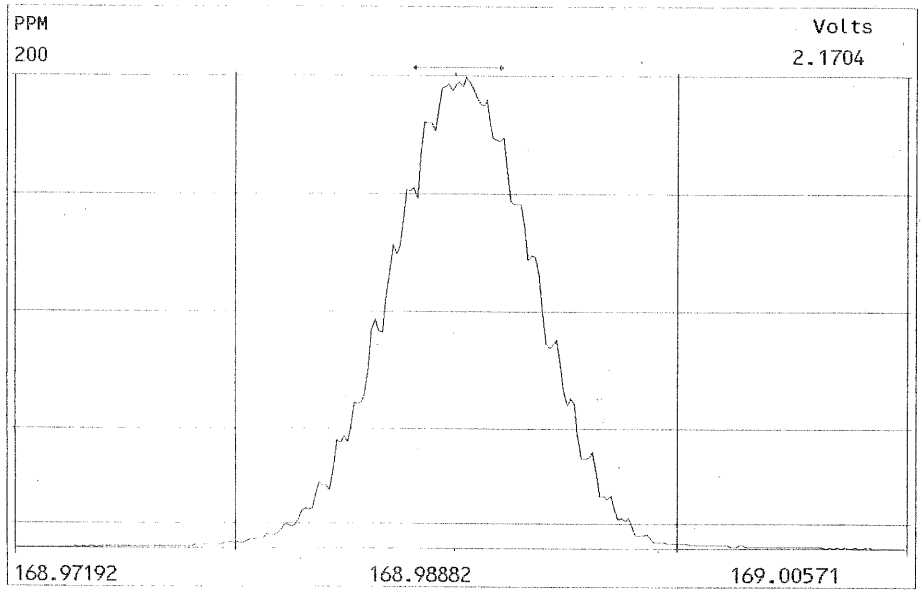
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	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

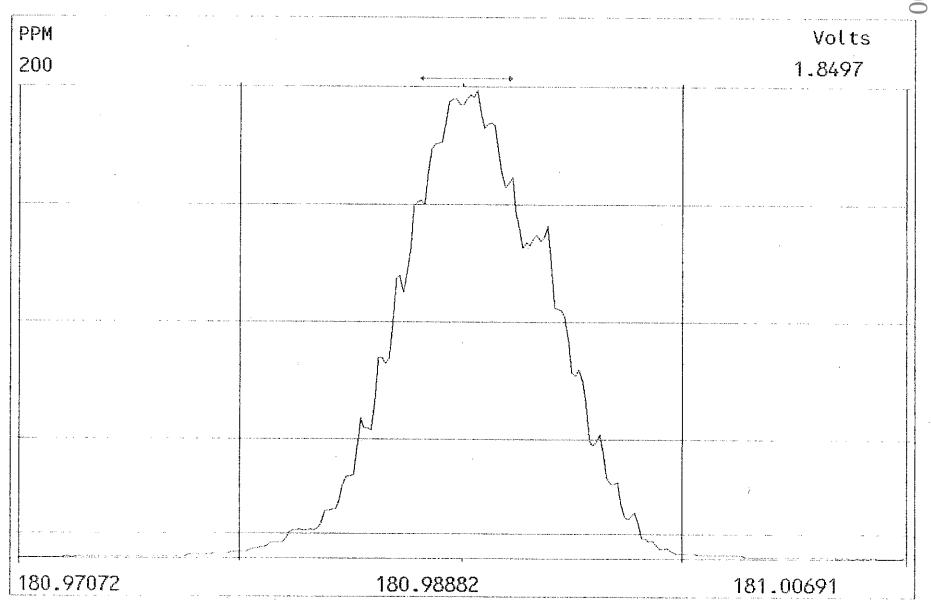
10/28/20

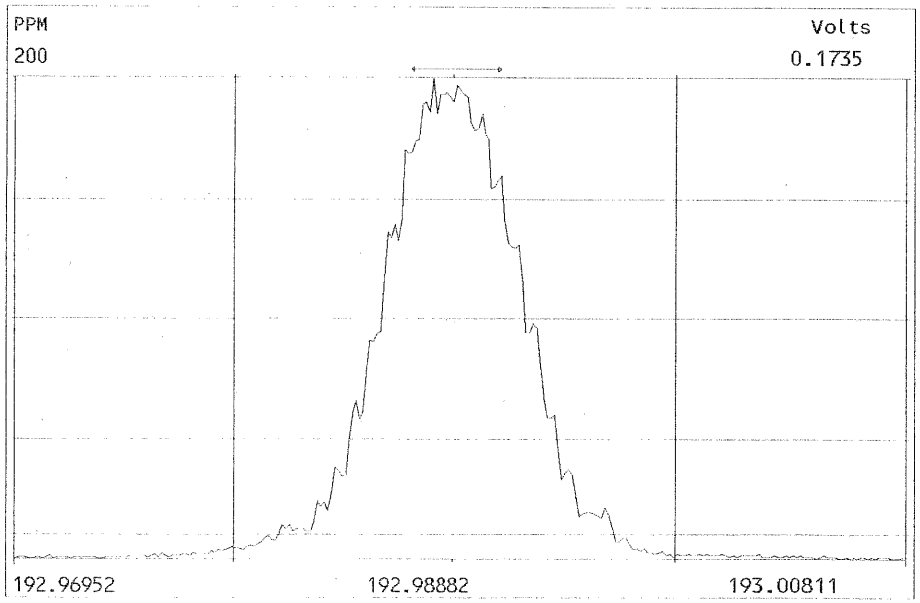
Data Backed Up:_____

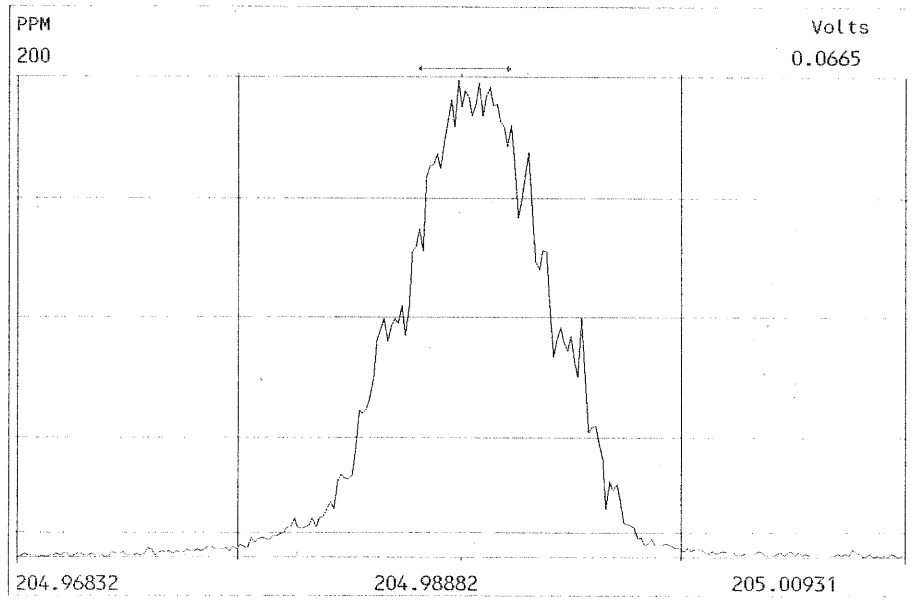
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

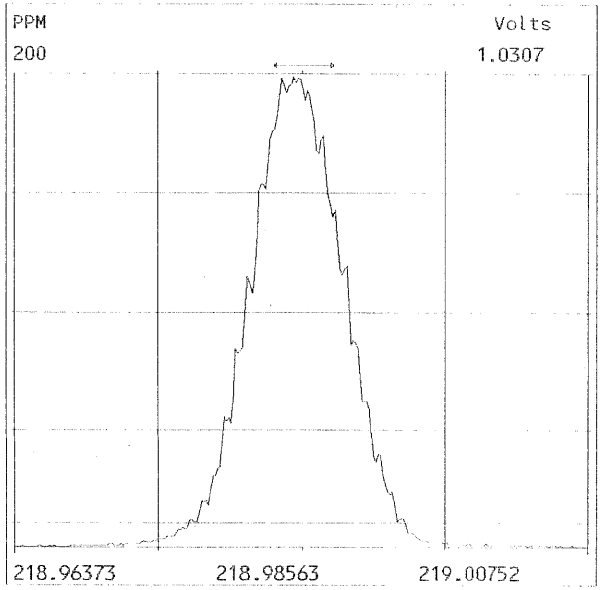


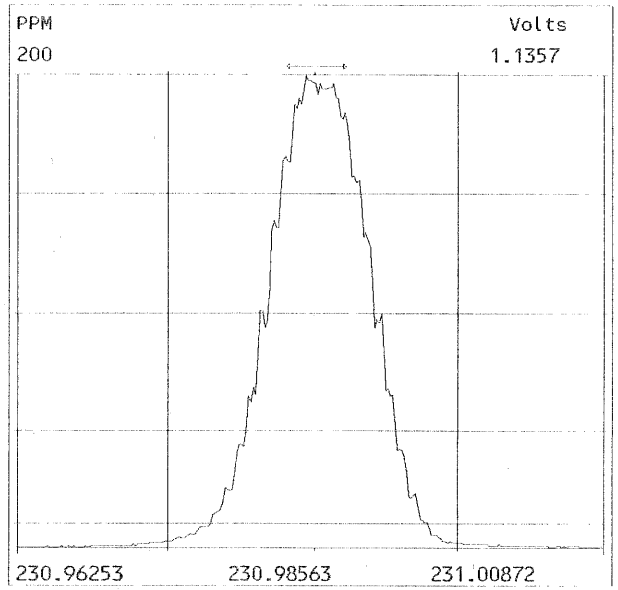


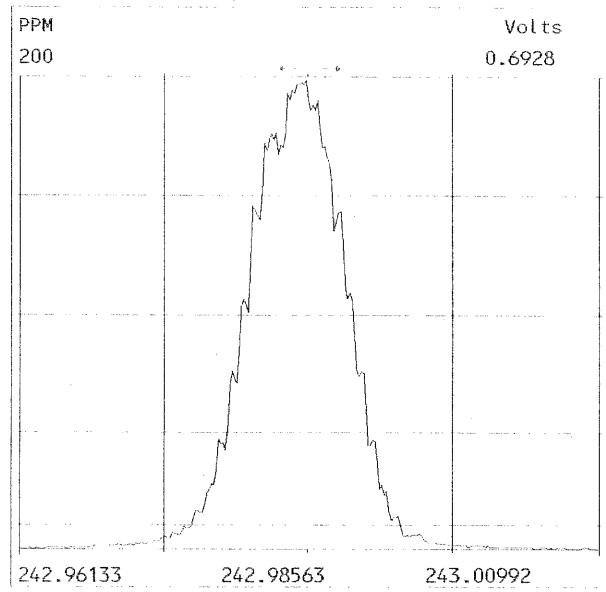


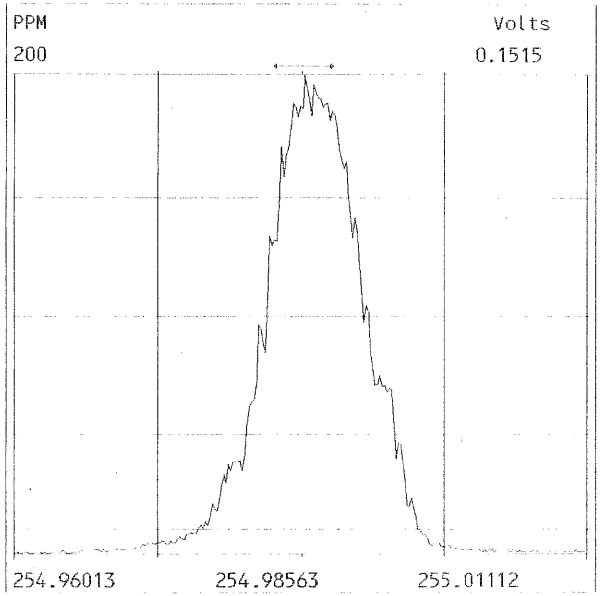


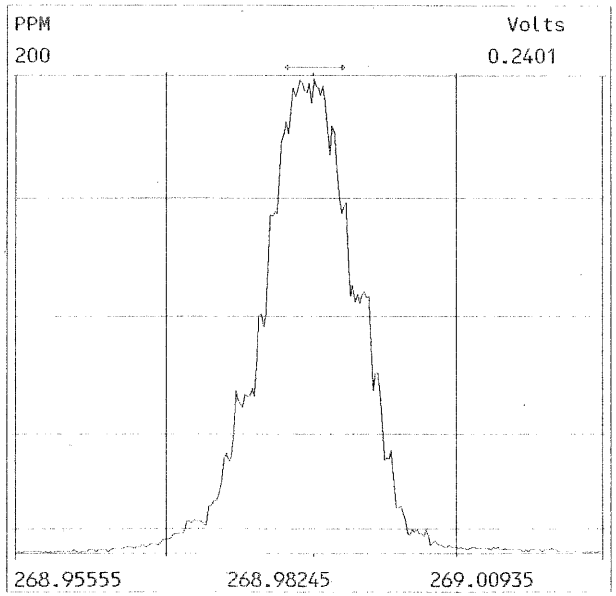
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

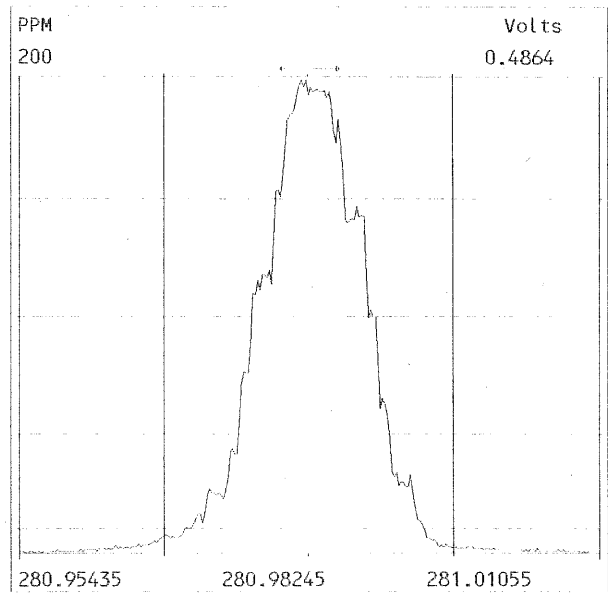




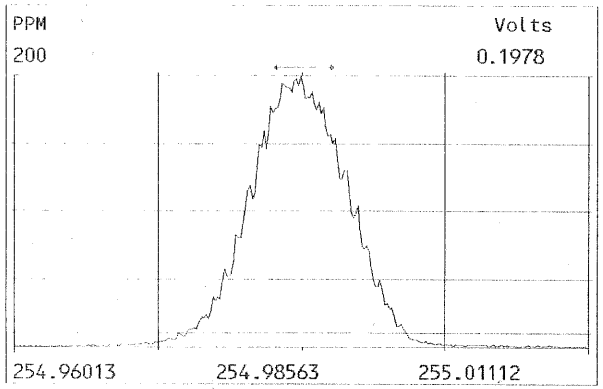


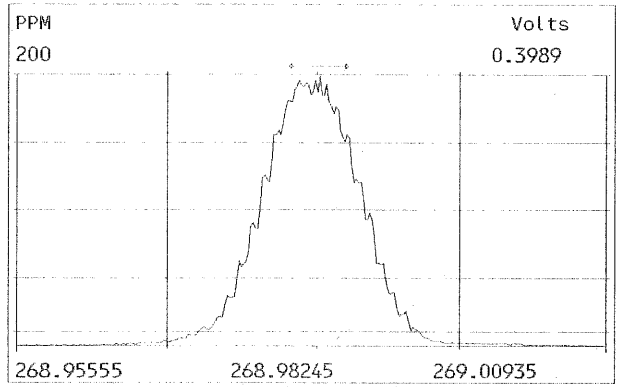


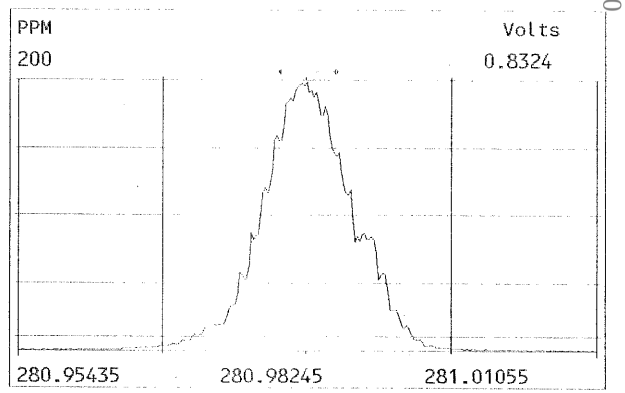


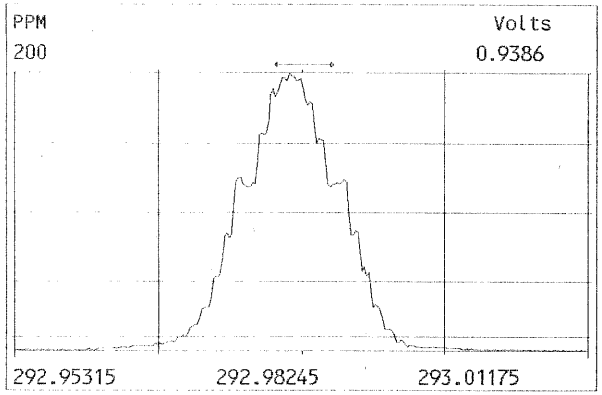


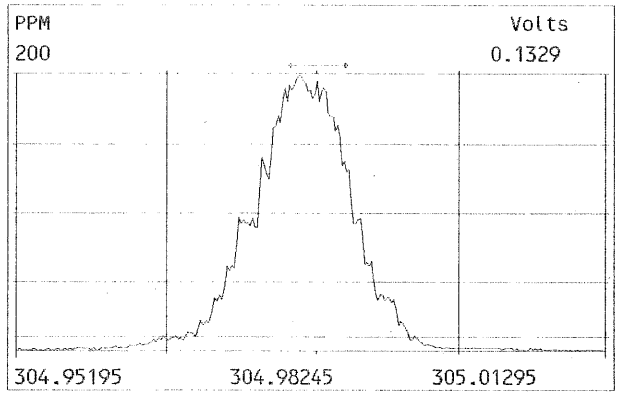
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

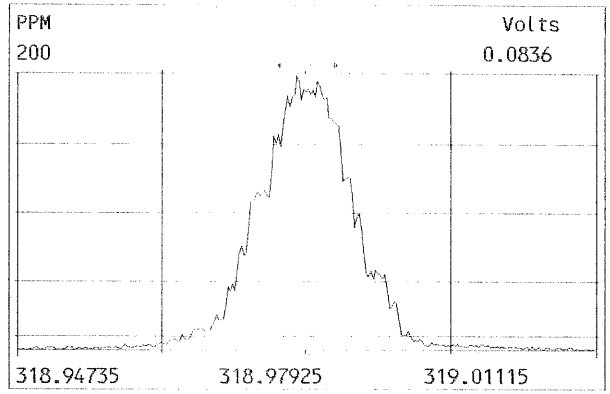


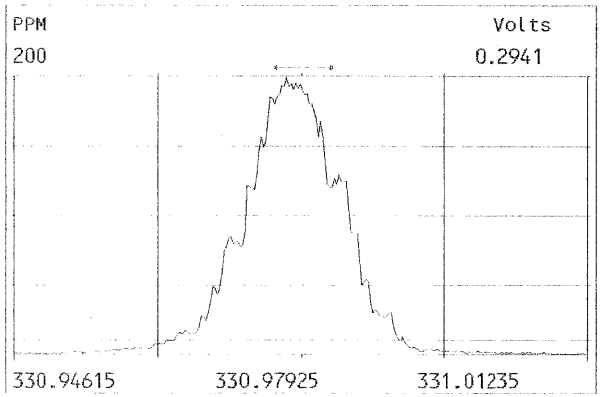


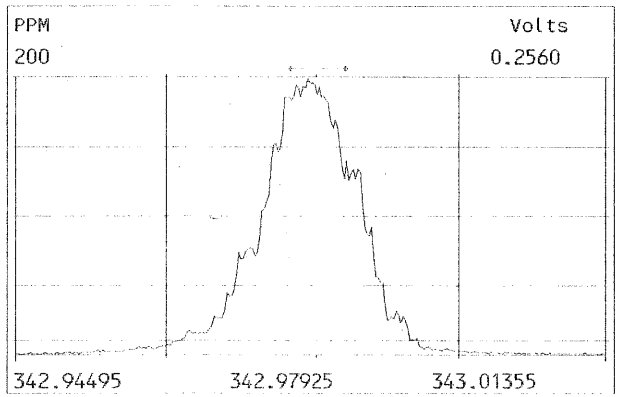




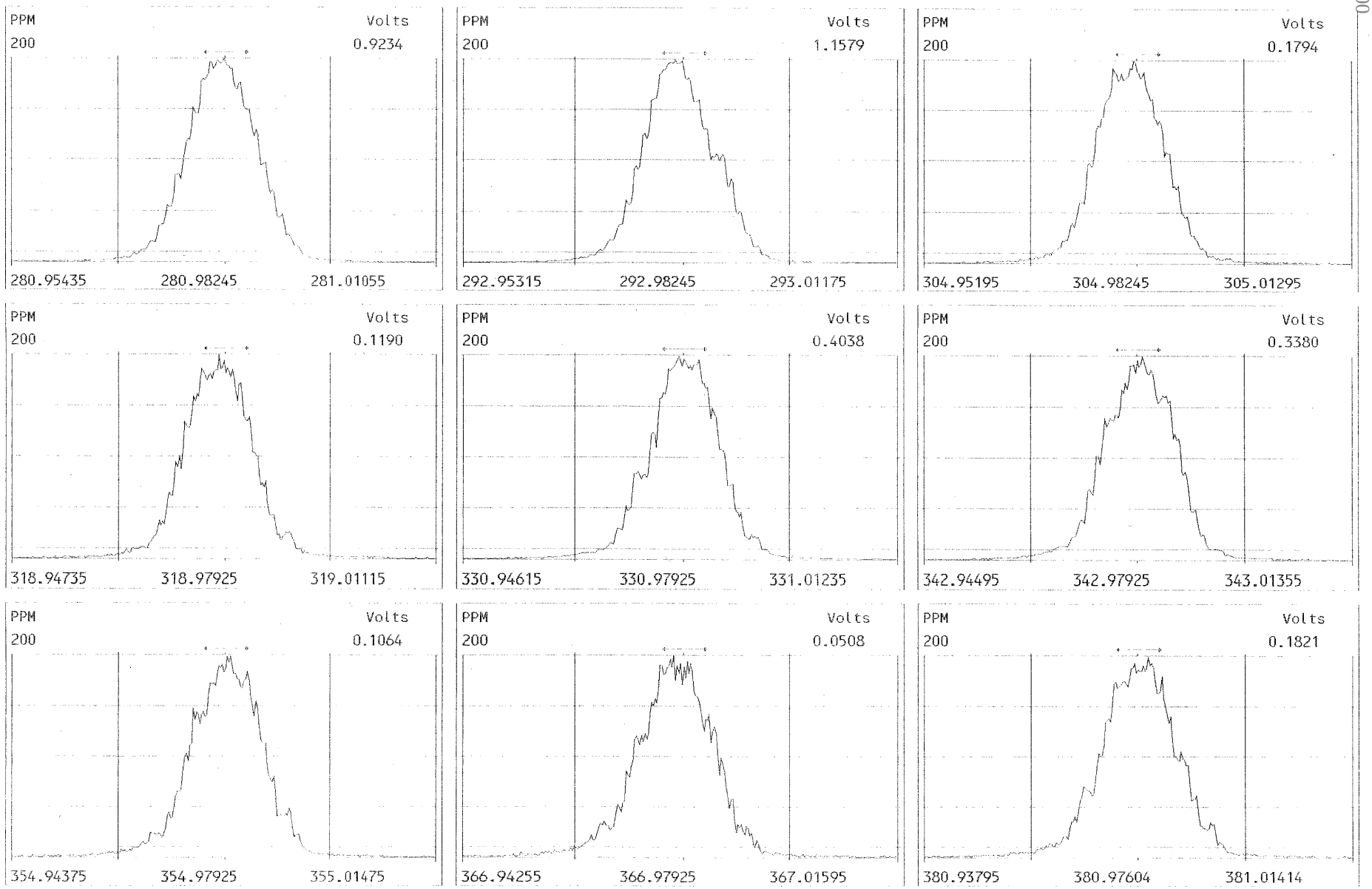




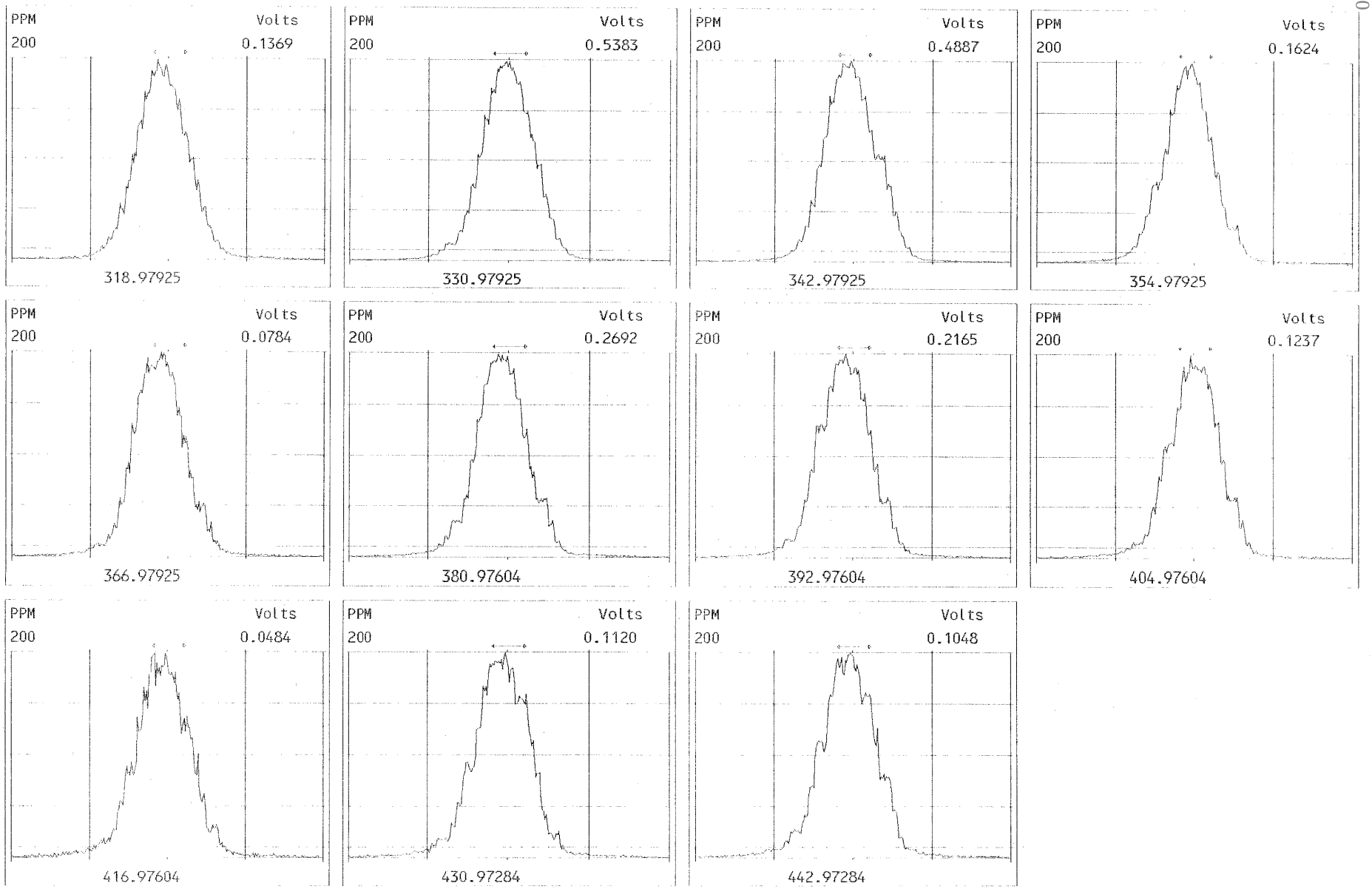




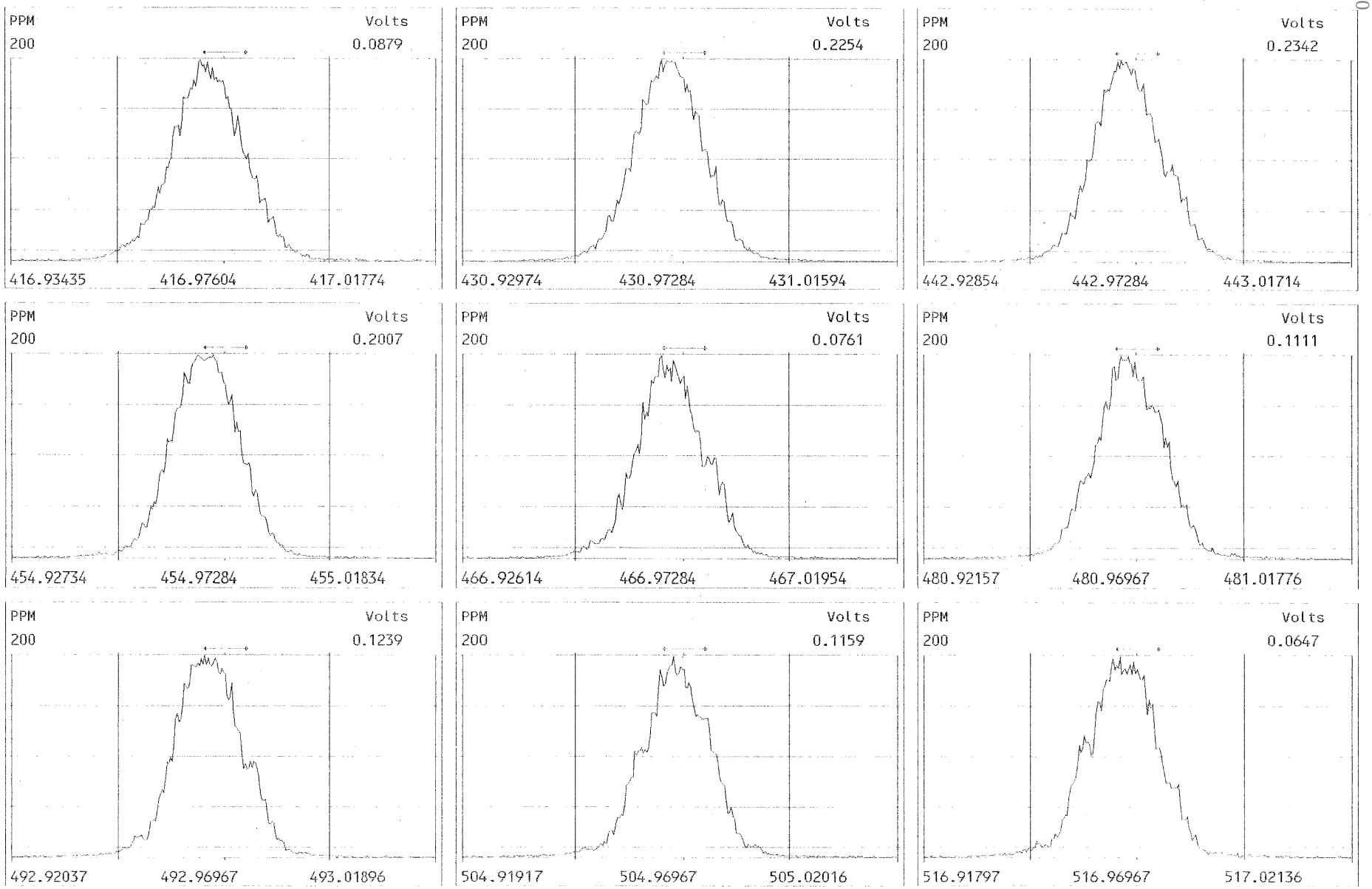
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:4 Reference:PFK



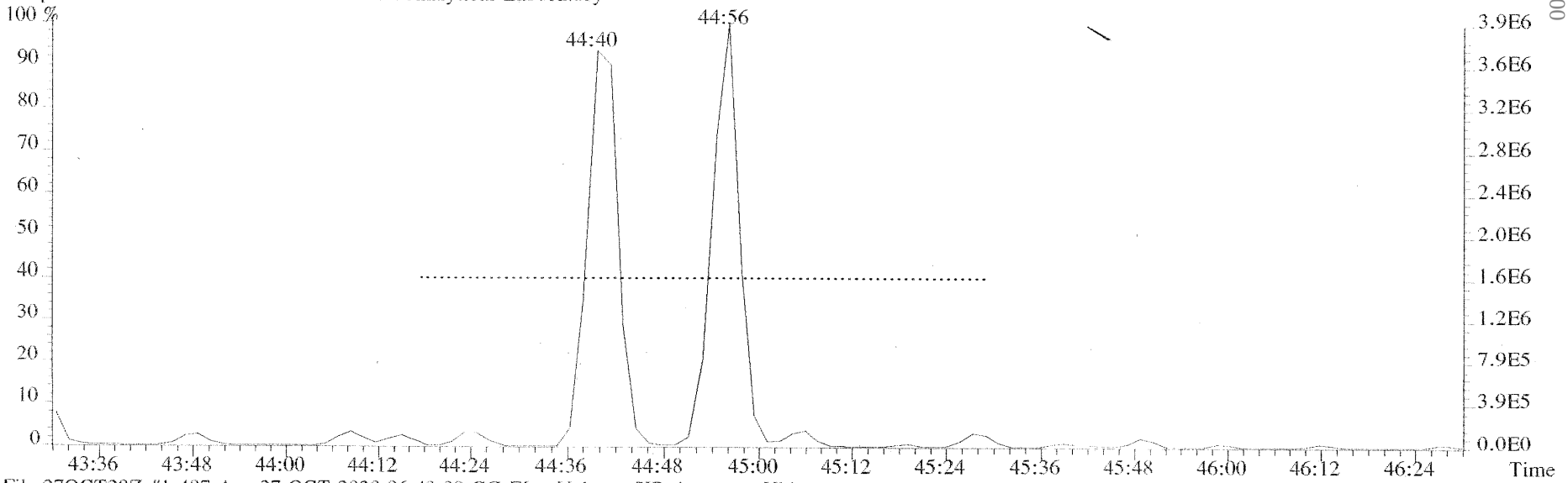
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:5 Reference:PFK



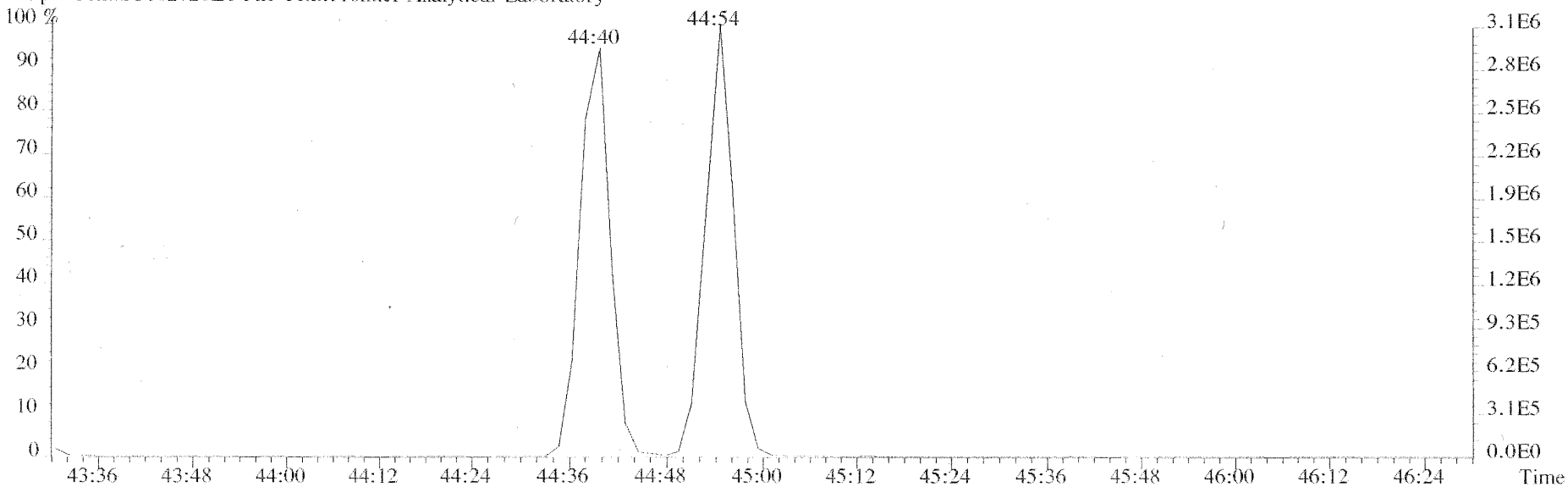
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



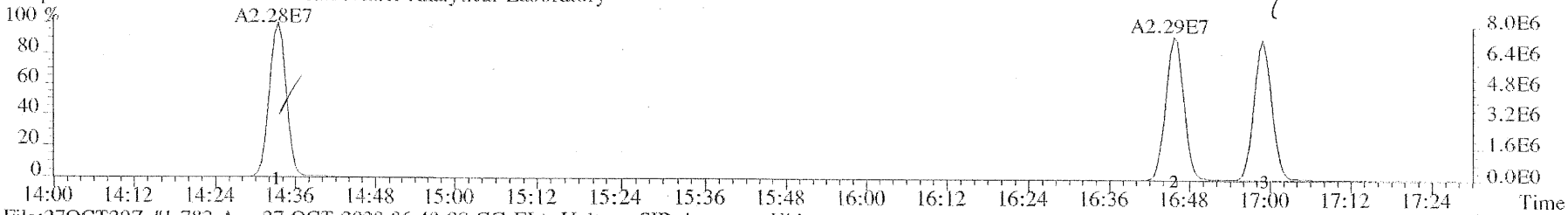
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



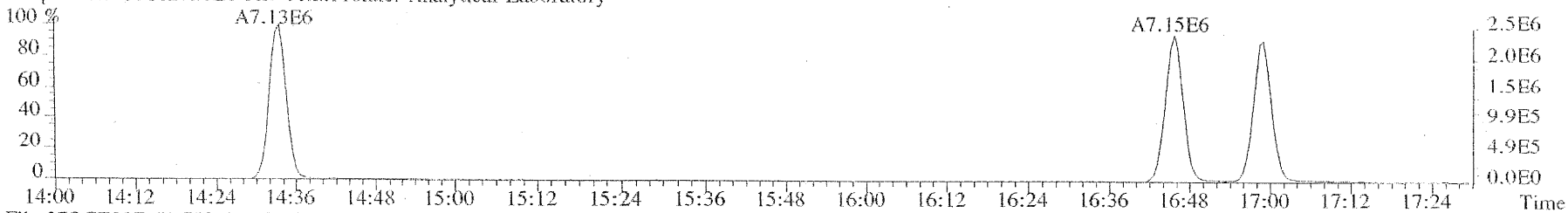
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



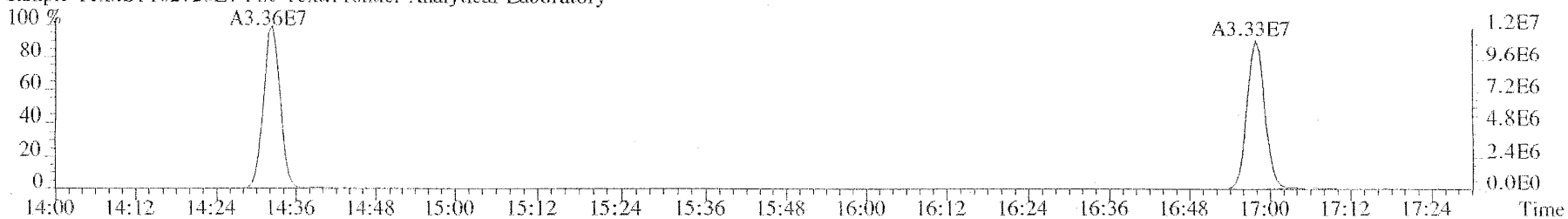
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



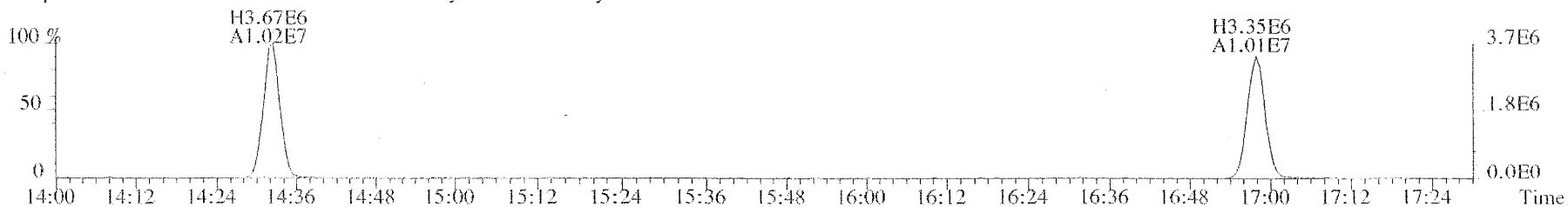
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



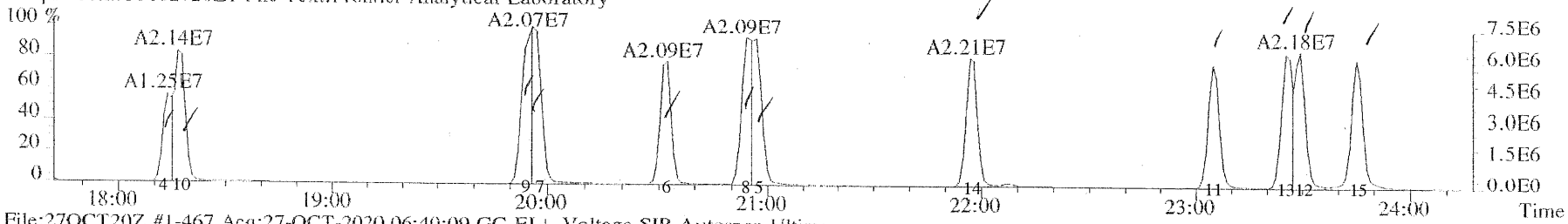
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



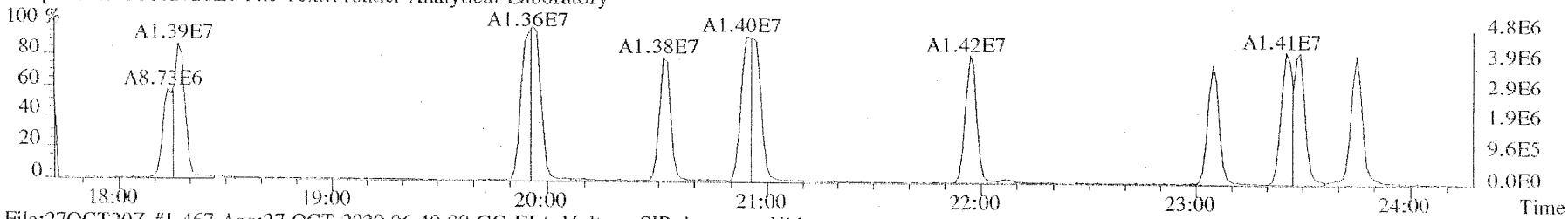
File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



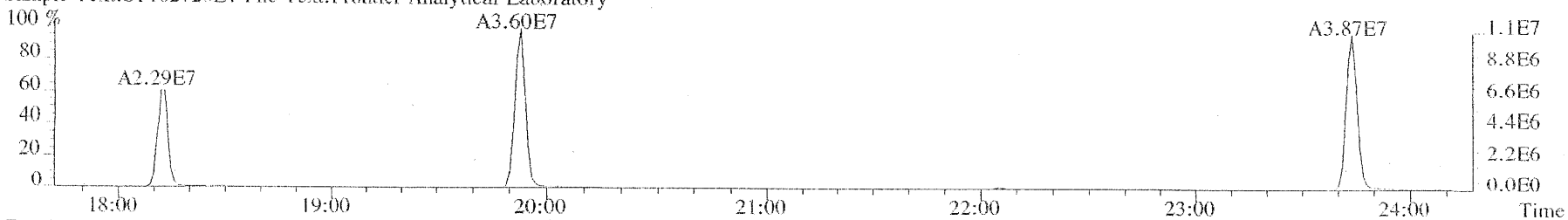
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



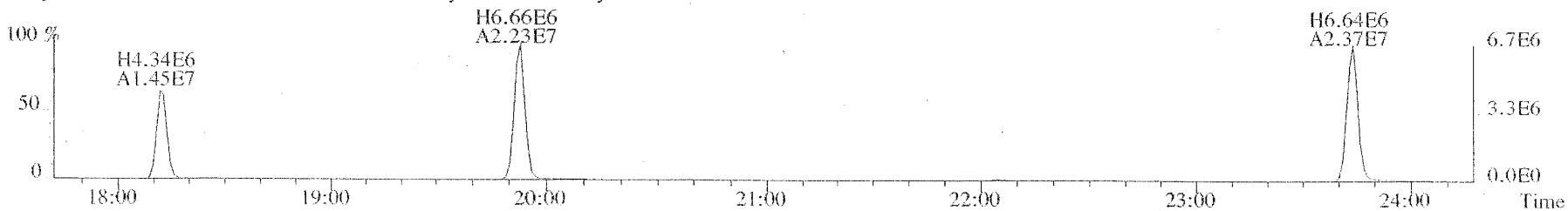
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



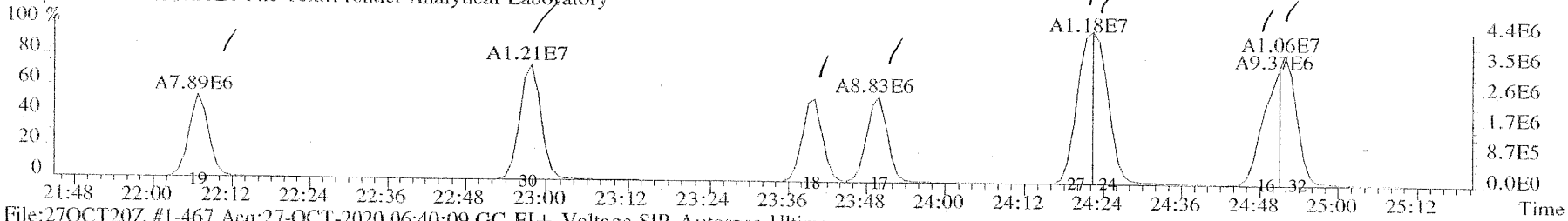
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



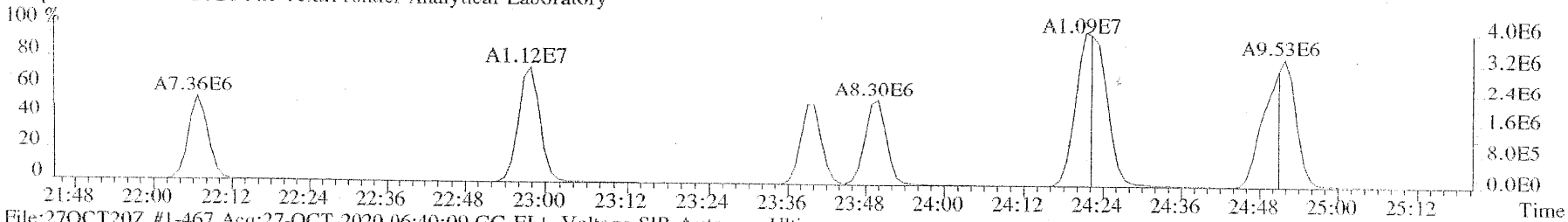
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



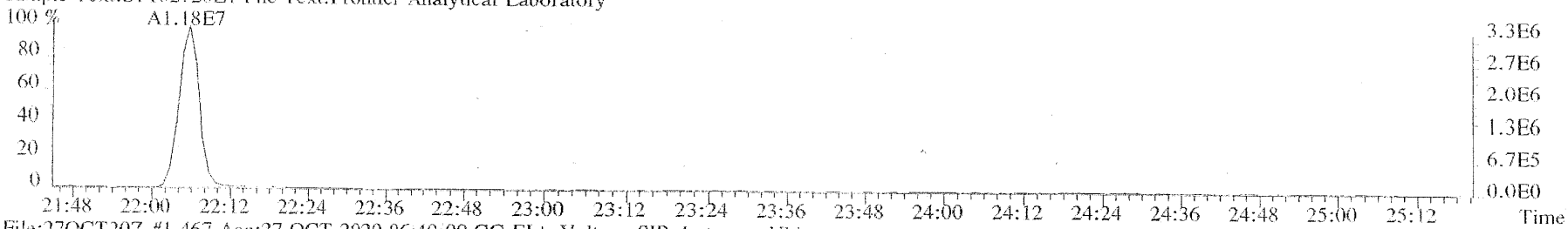
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



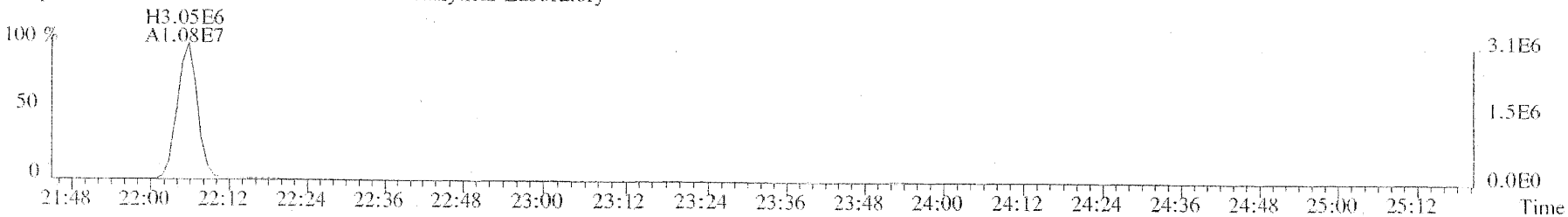
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



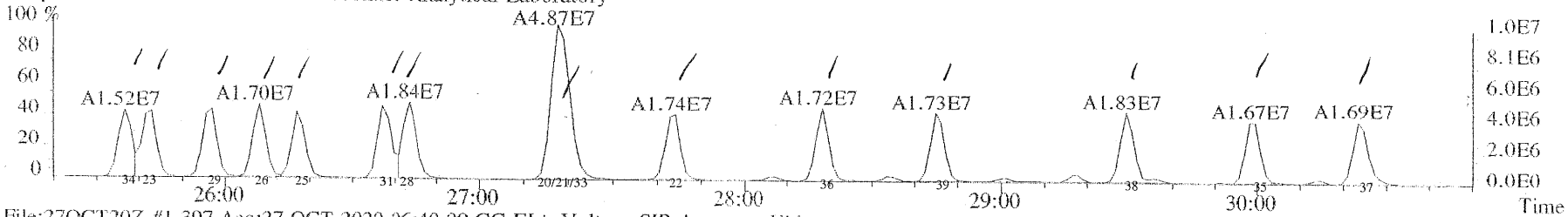
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



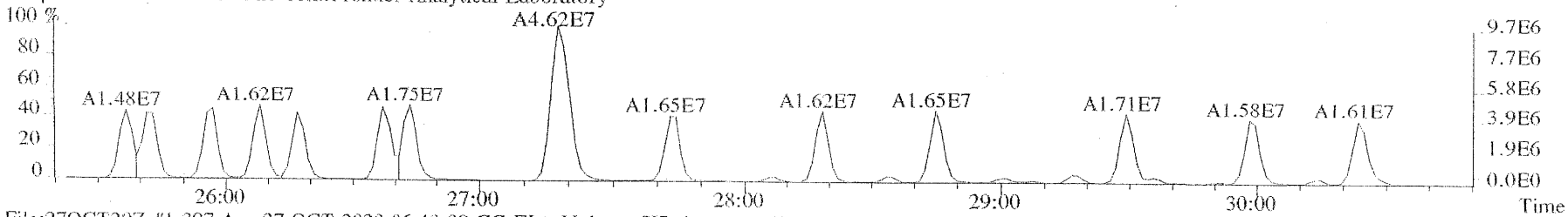
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



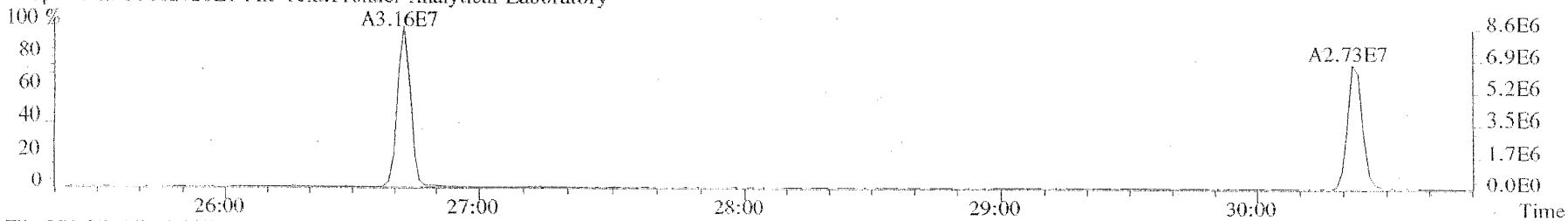
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



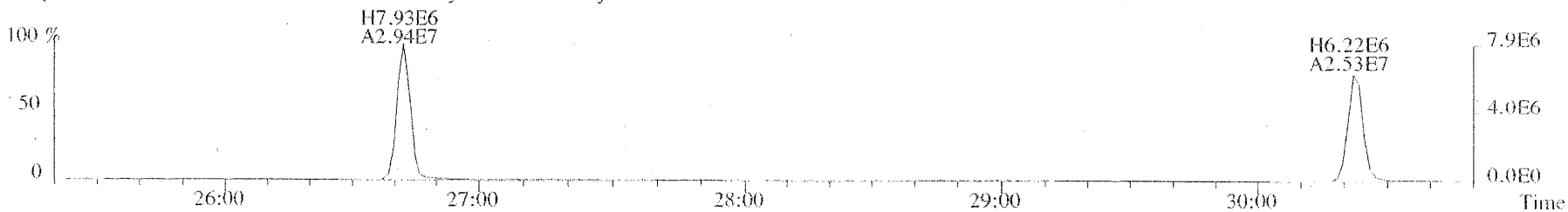
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



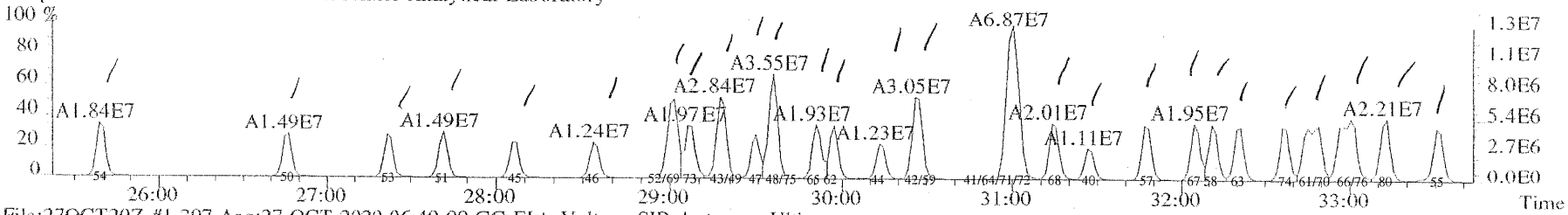
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



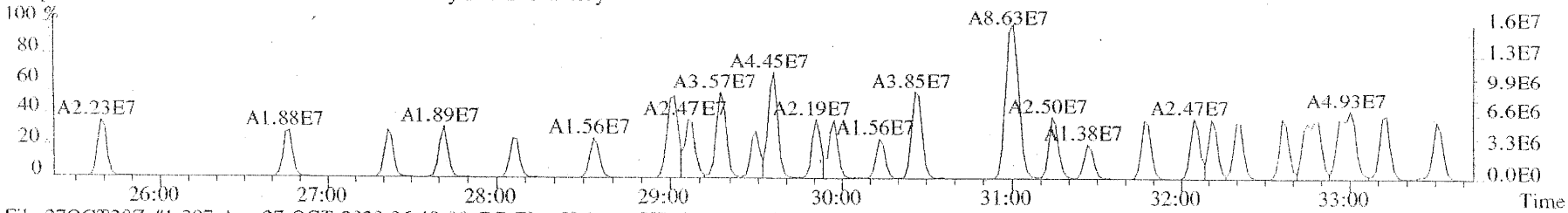
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



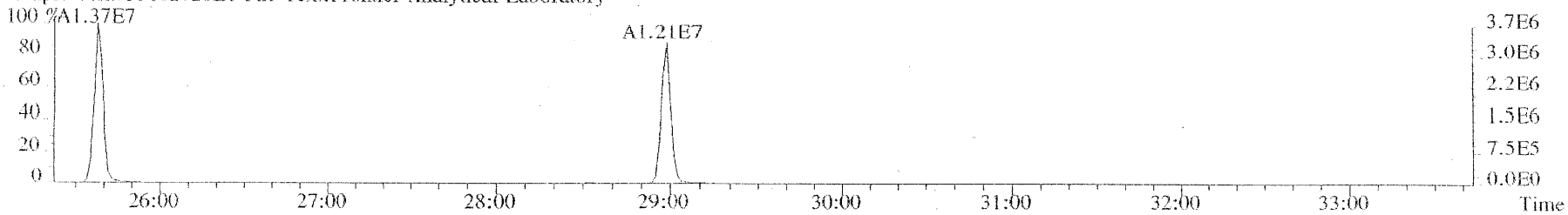
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



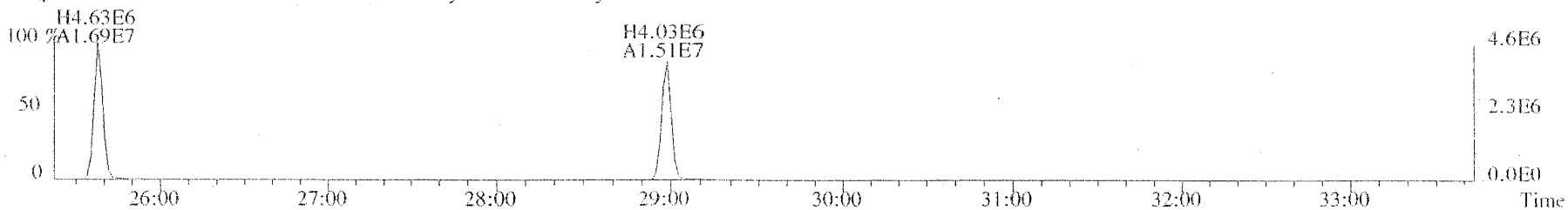
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



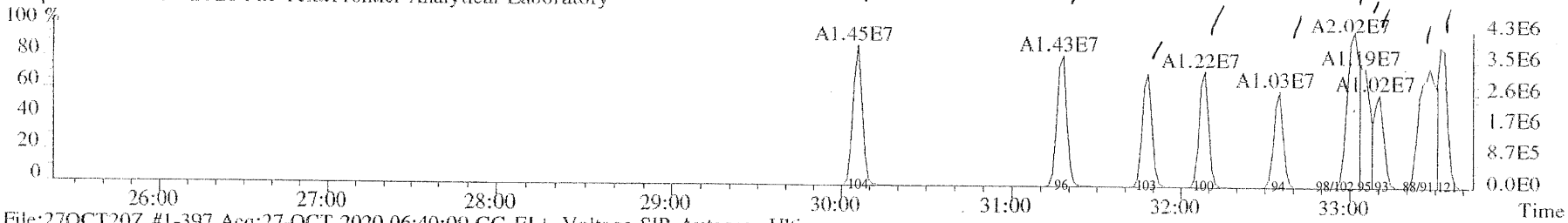
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



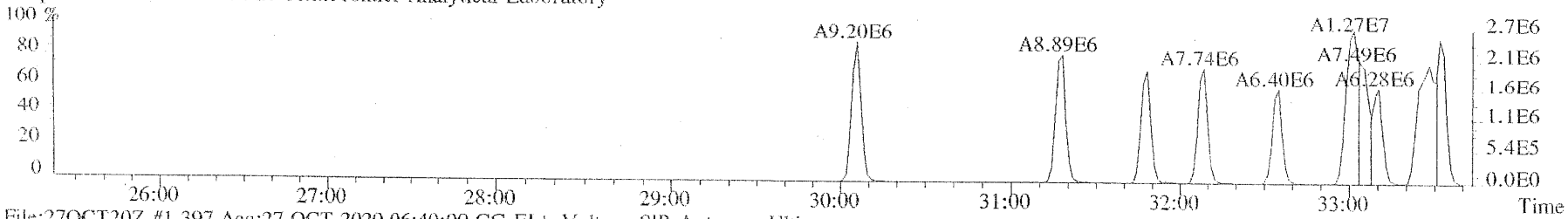
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



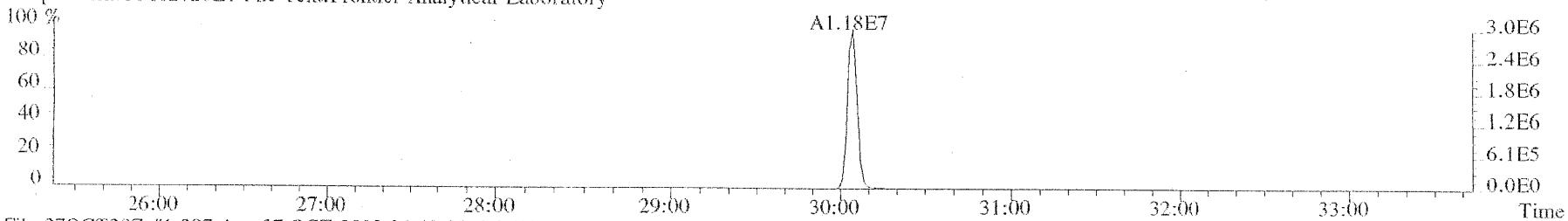
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



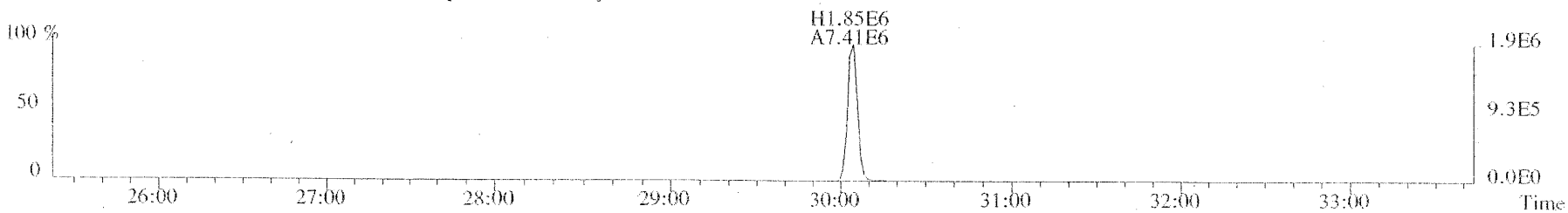
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



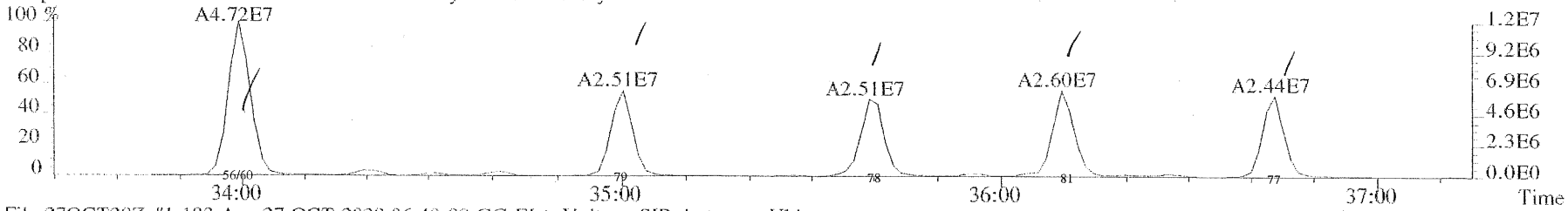
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



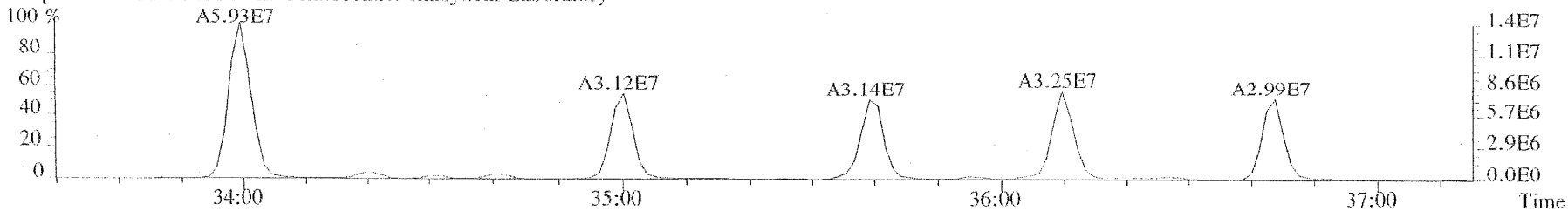
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



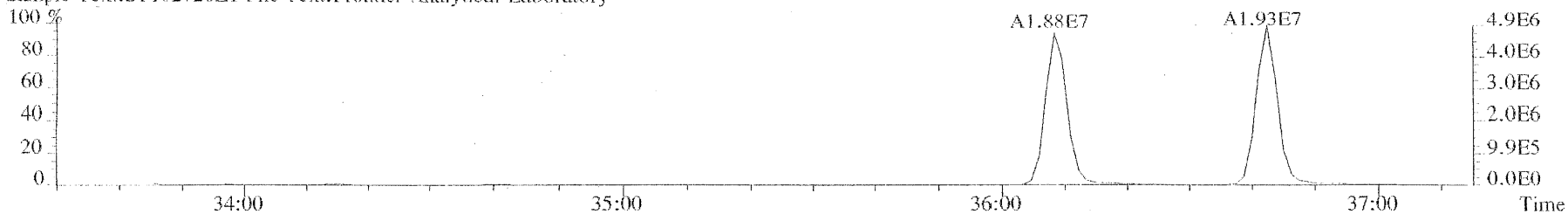
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



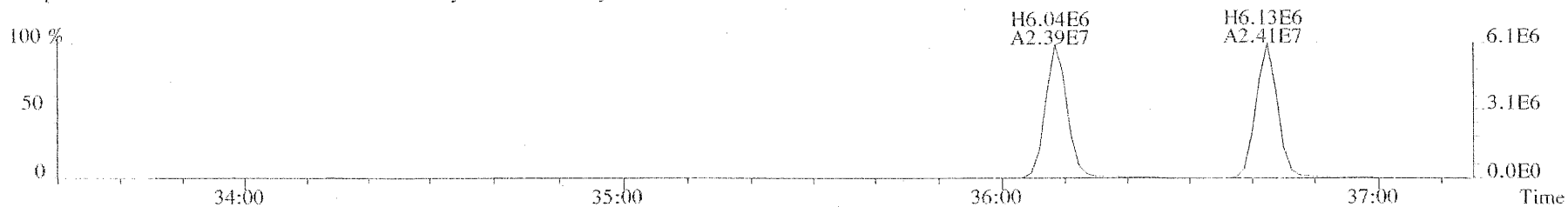
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



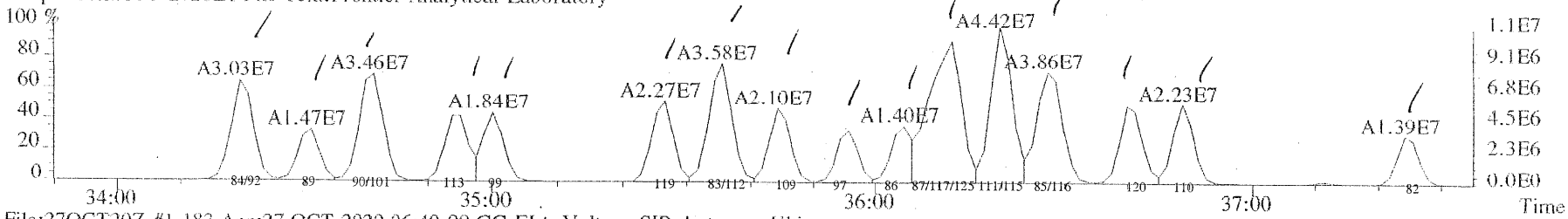
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



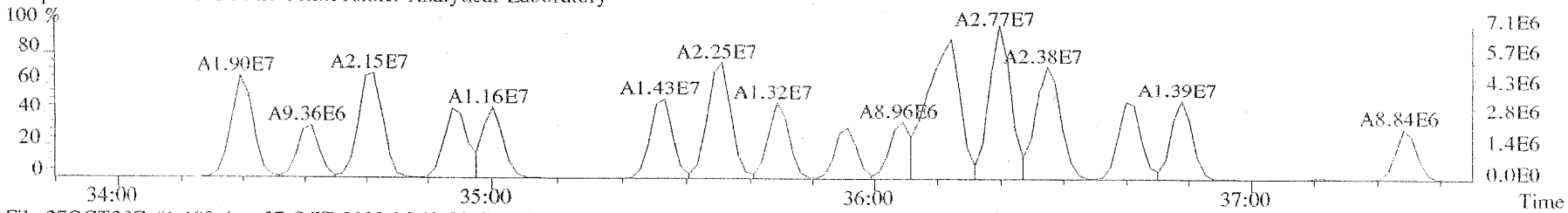
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



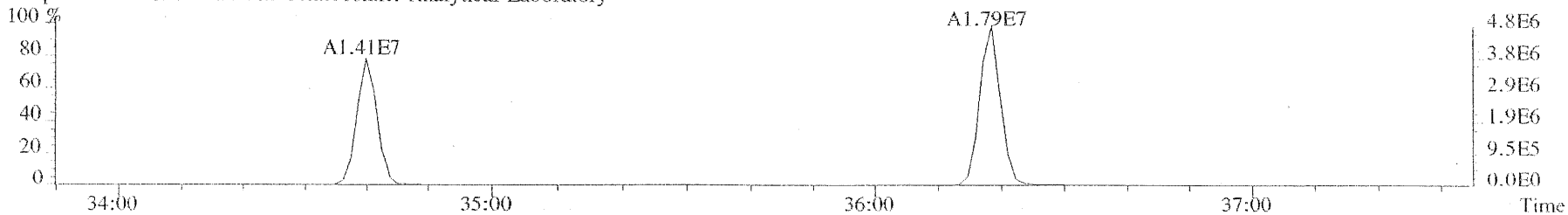
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



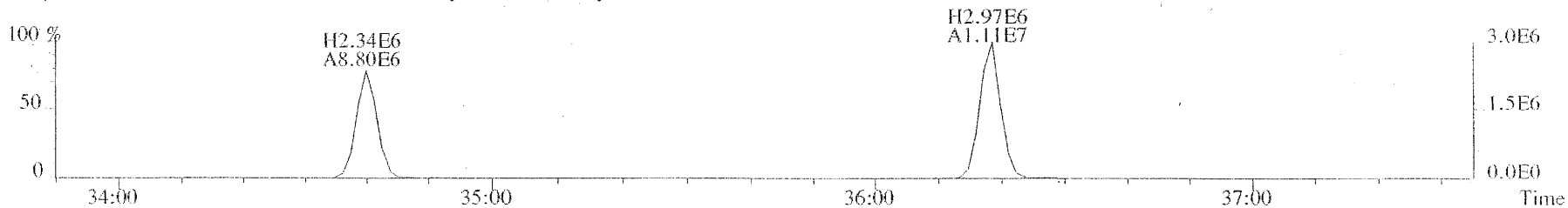
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



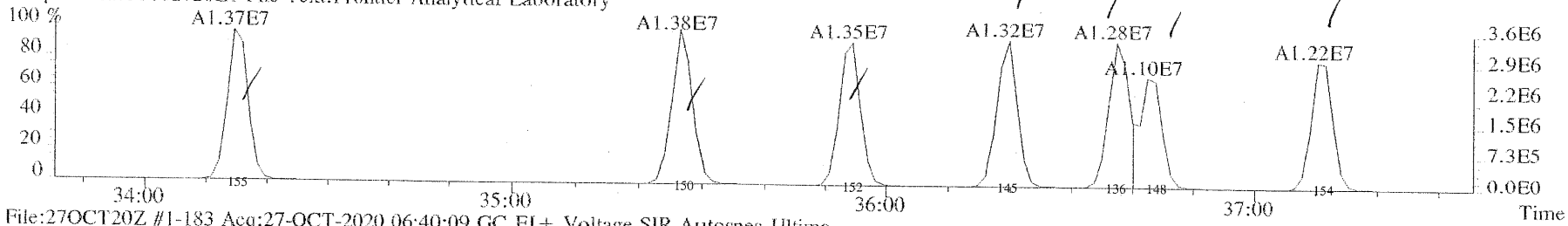
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



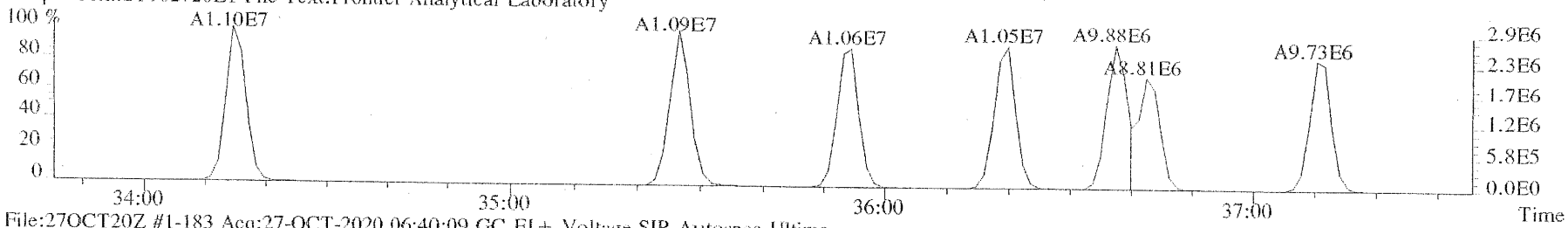
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



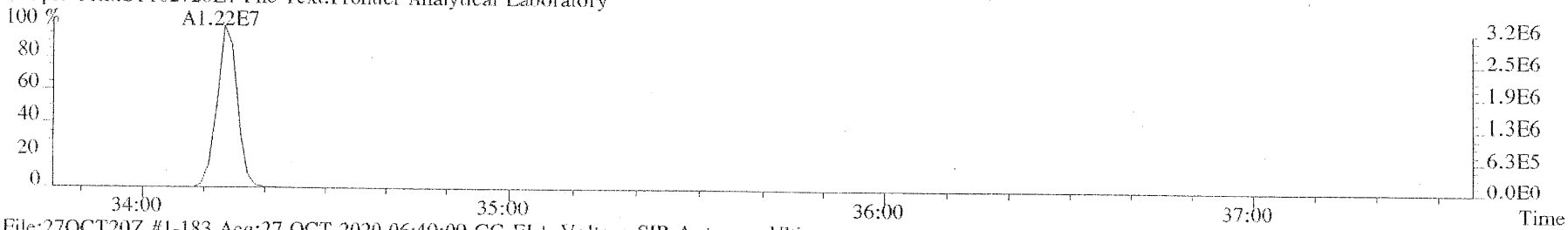
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



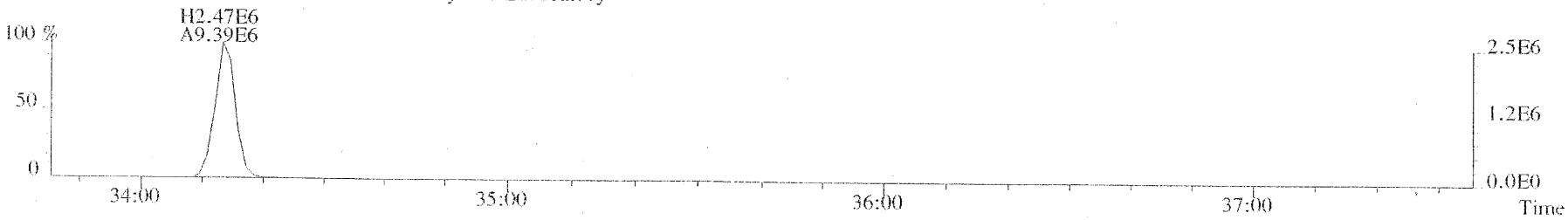
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



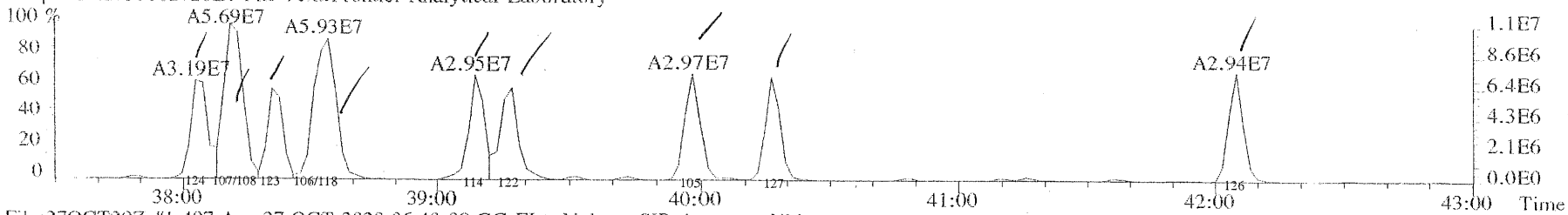
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



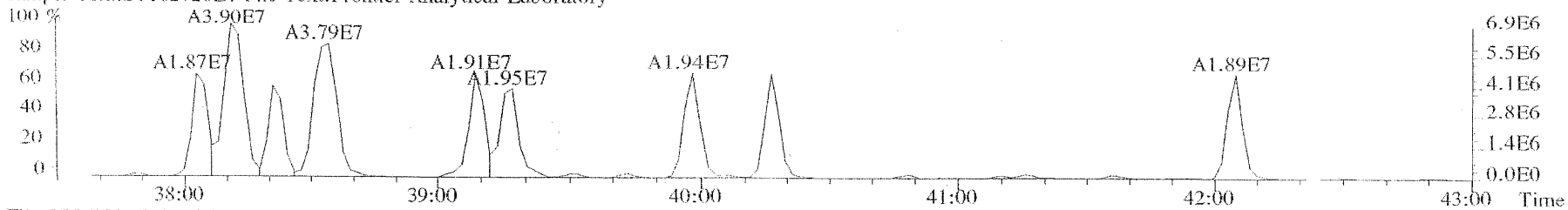
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



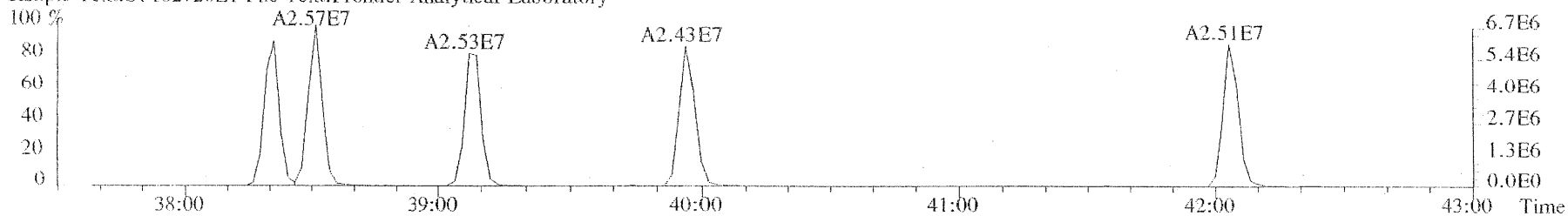
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



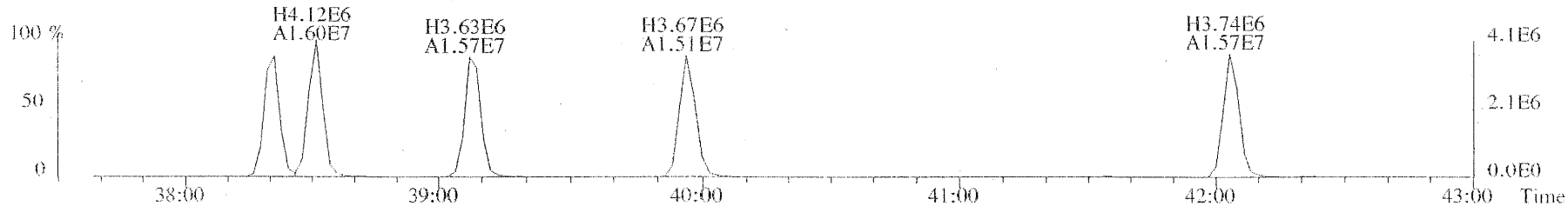
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



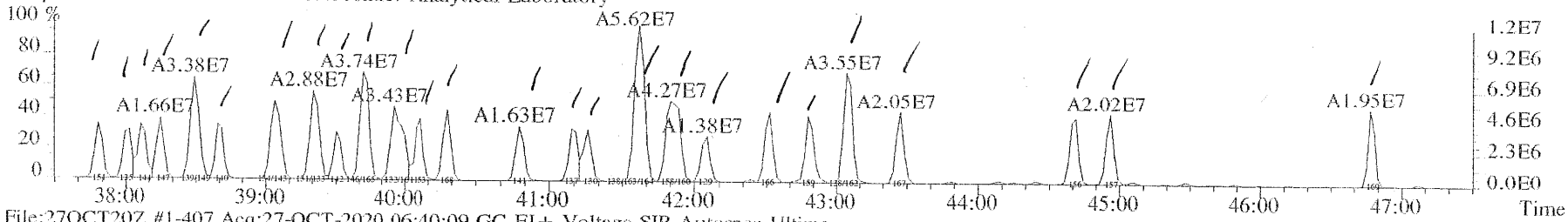
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



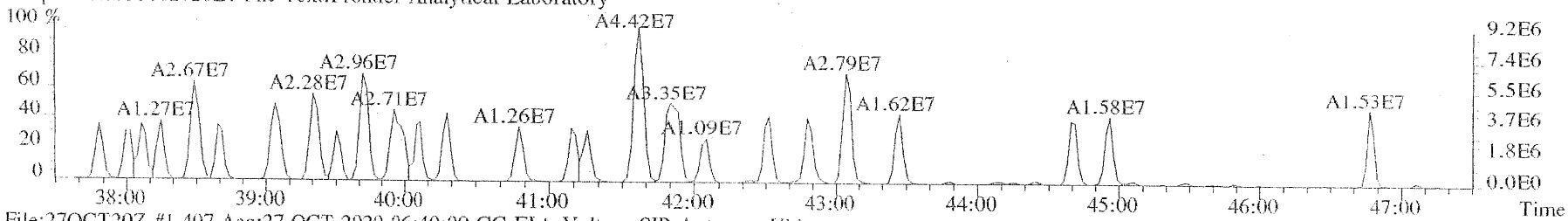
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



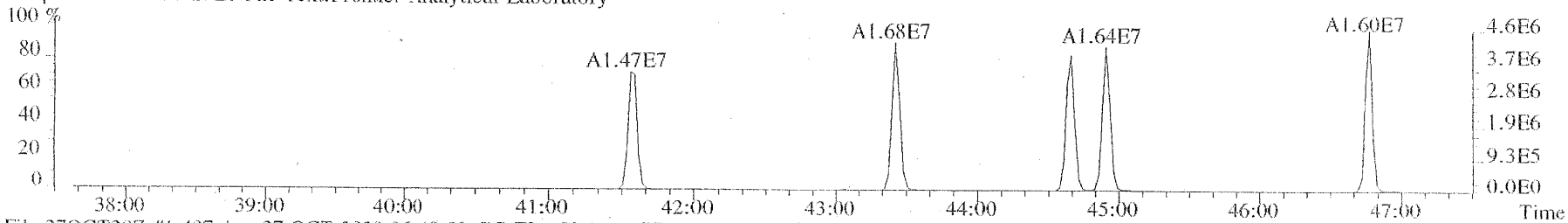
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



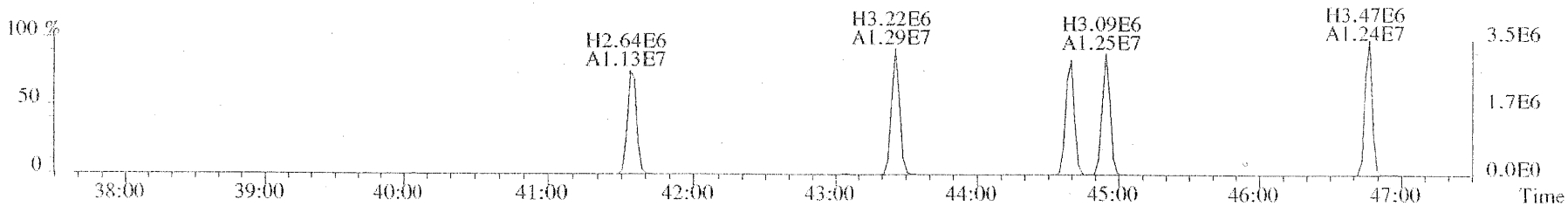
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



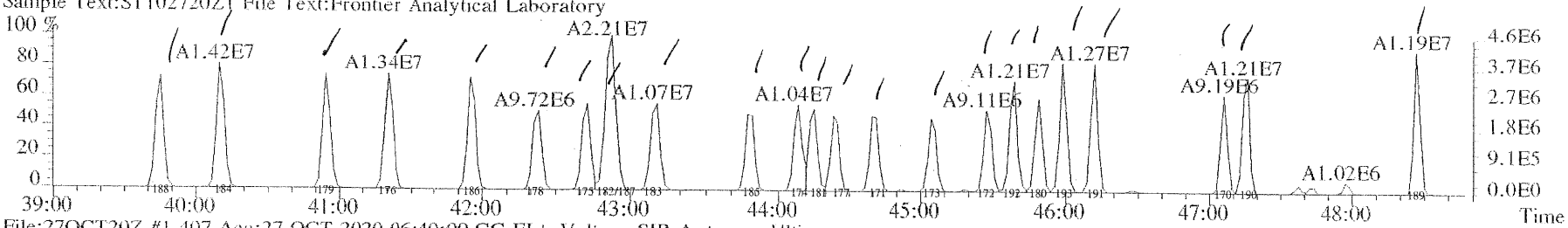
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



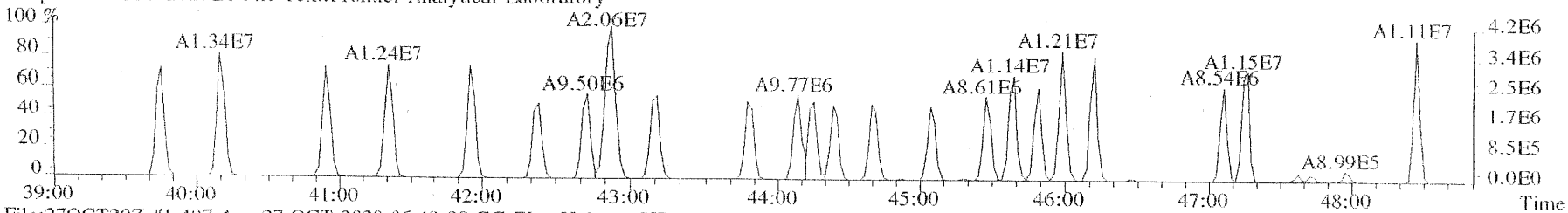
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



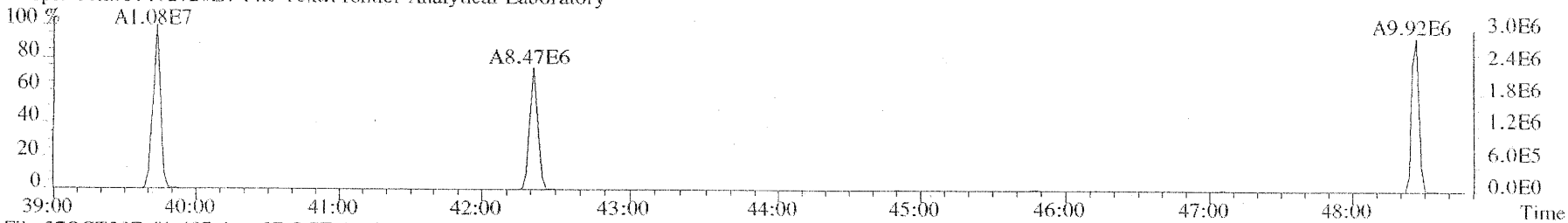
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



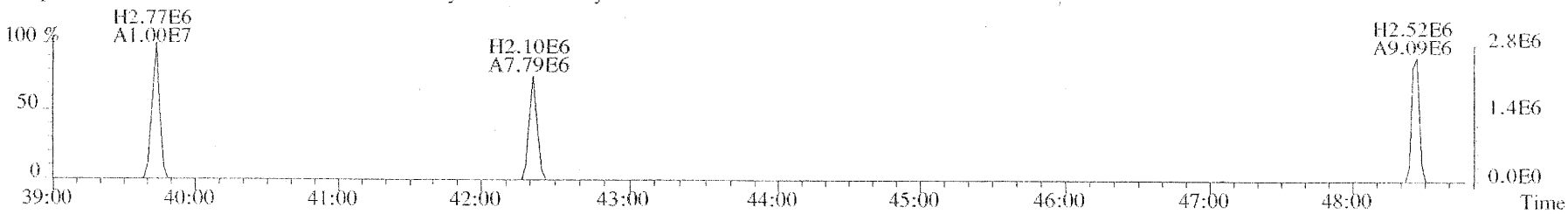
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



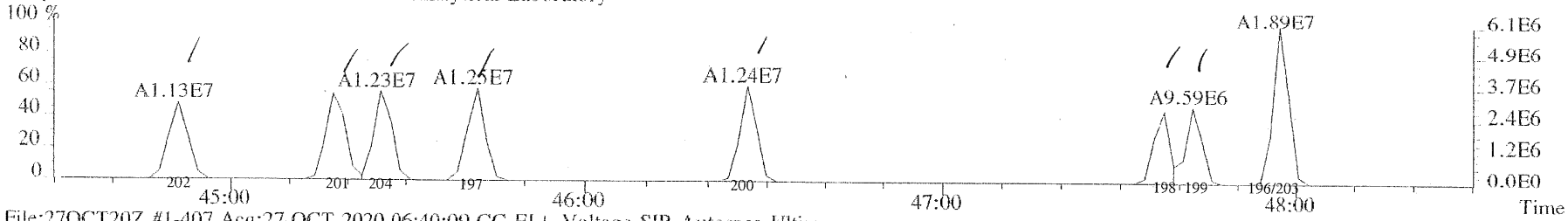
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



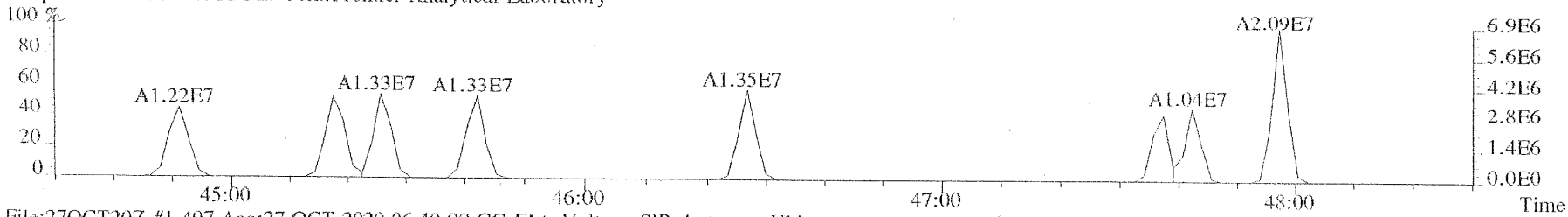
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



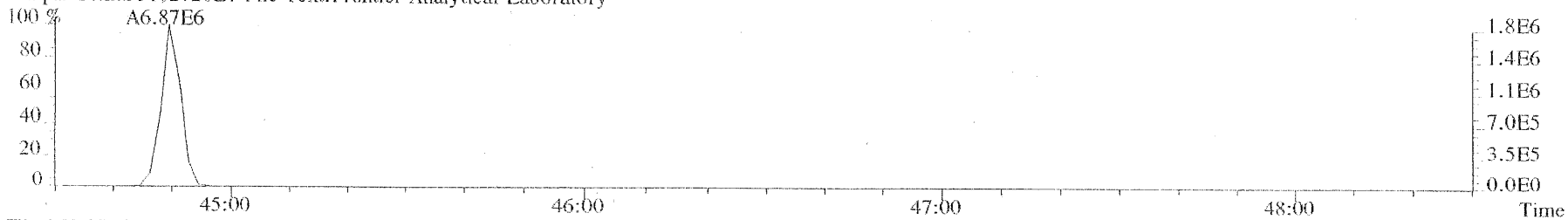
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



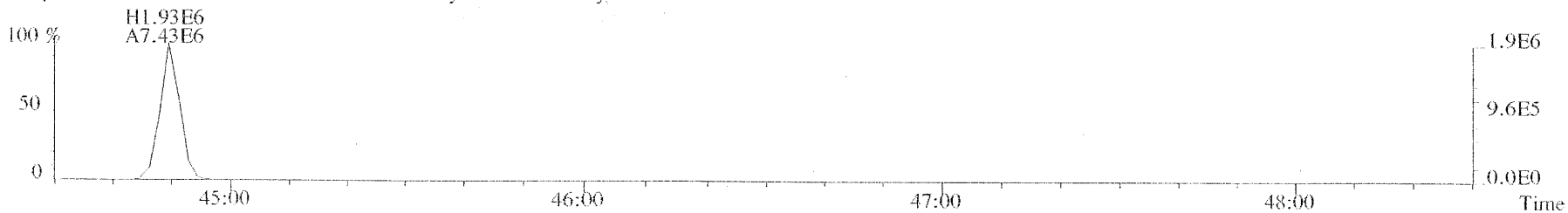
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



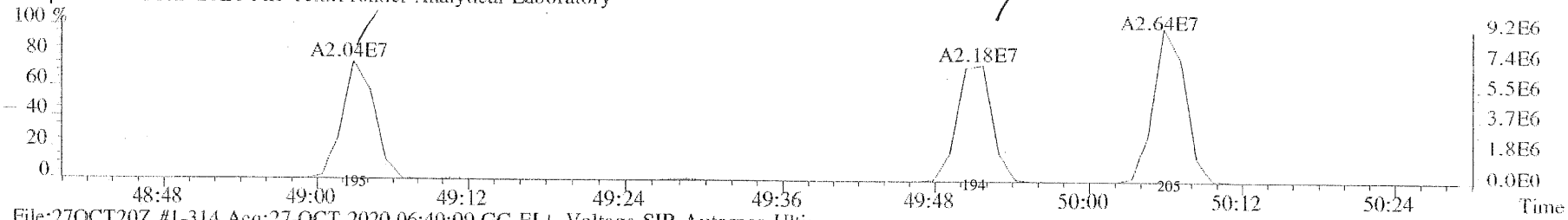
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



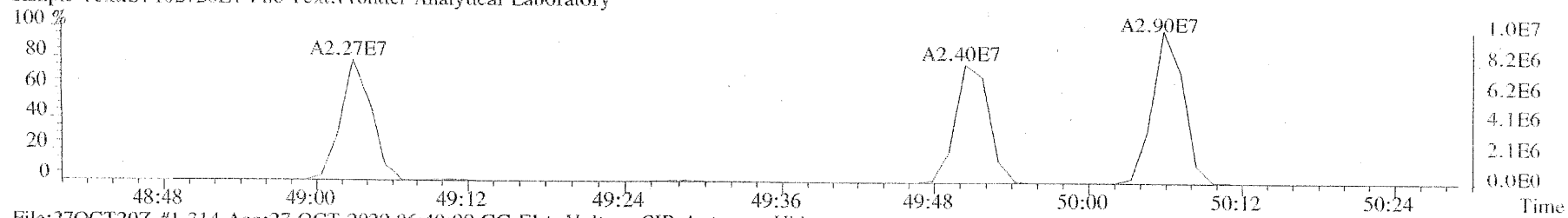
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



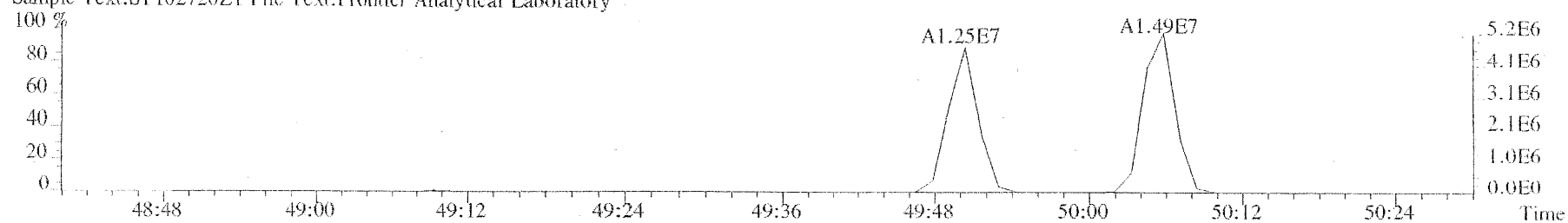
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



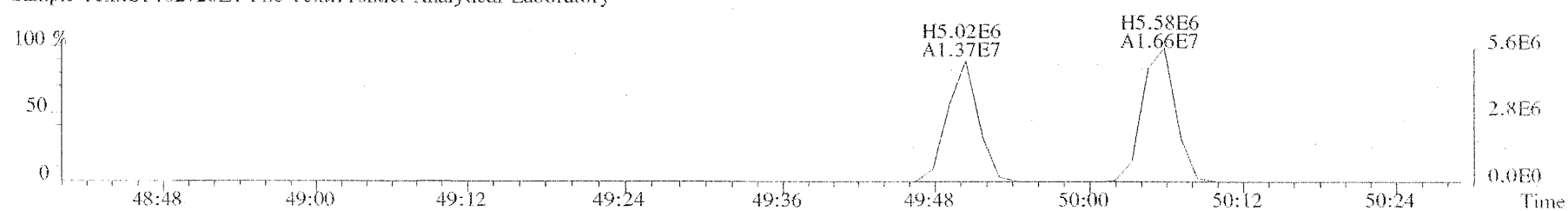
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



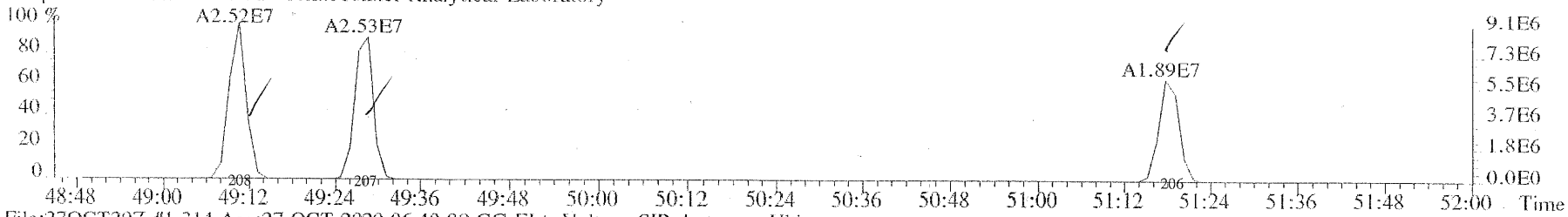
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



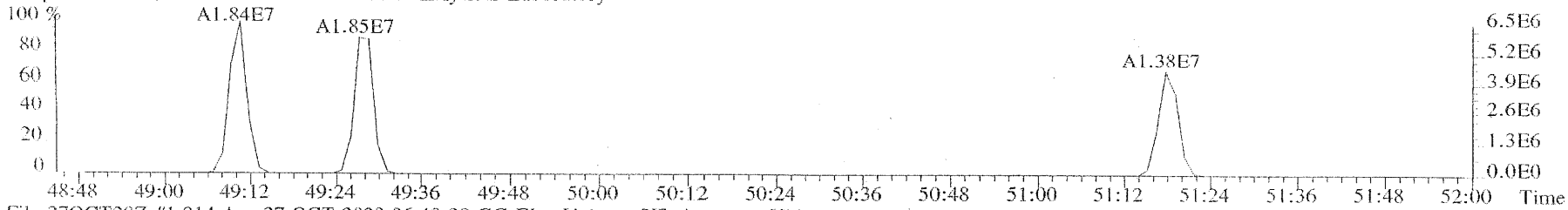
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



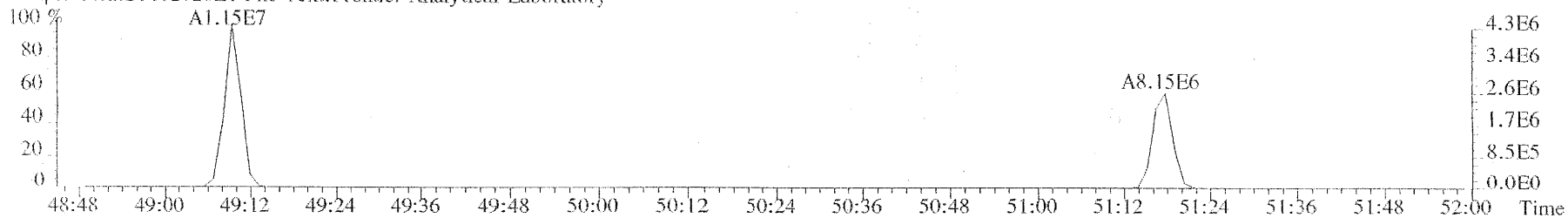
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



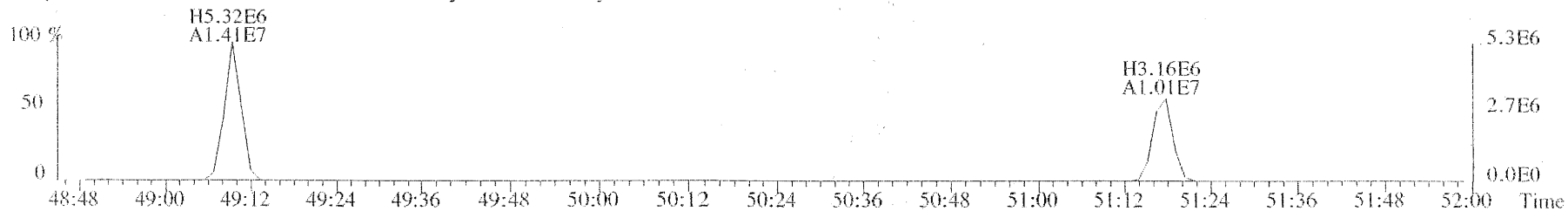
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



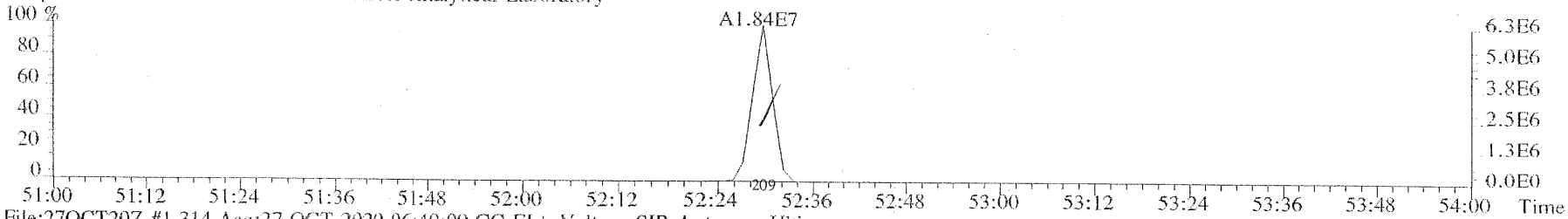
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



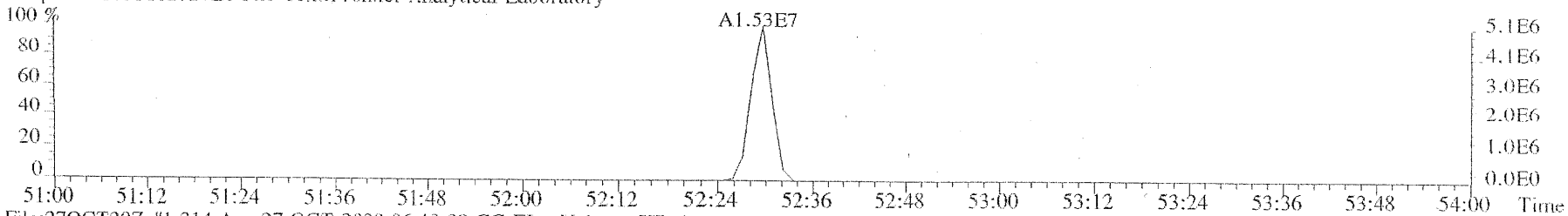
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



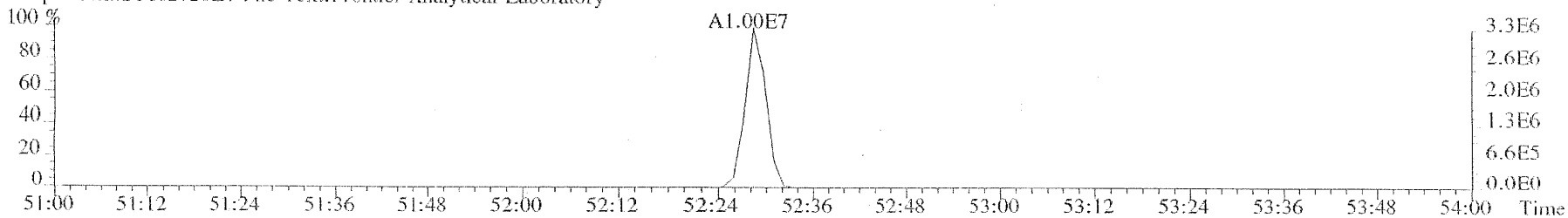
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



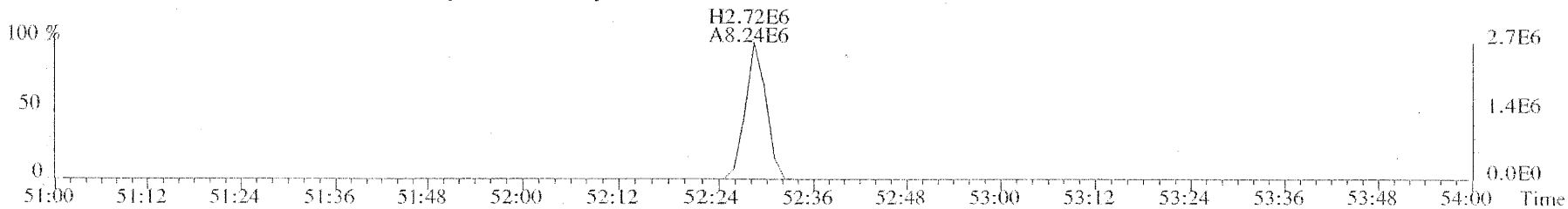
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



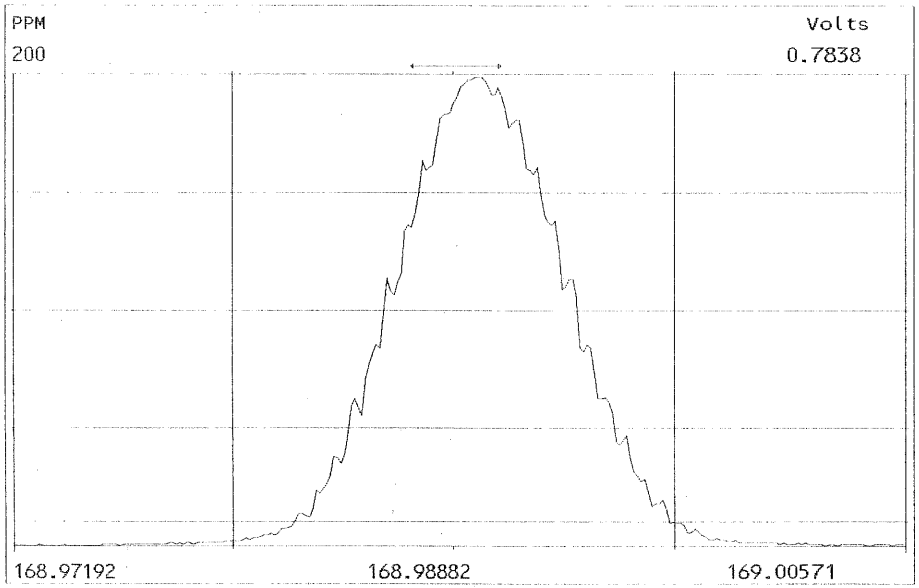
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

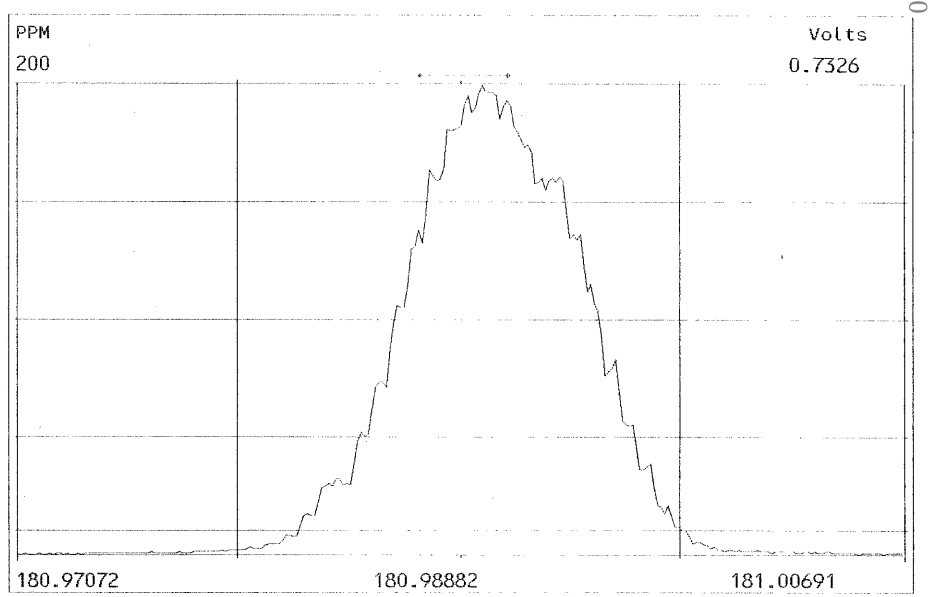


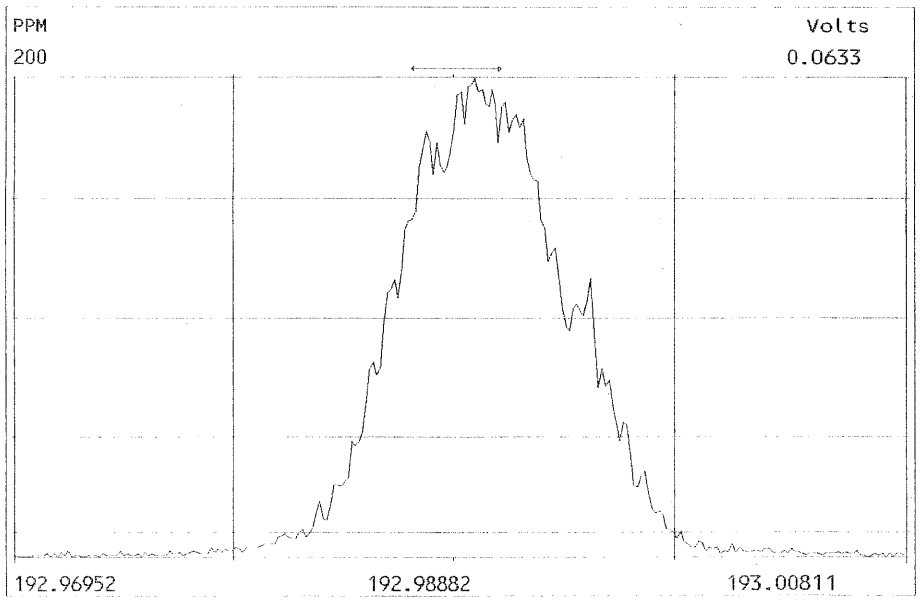
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

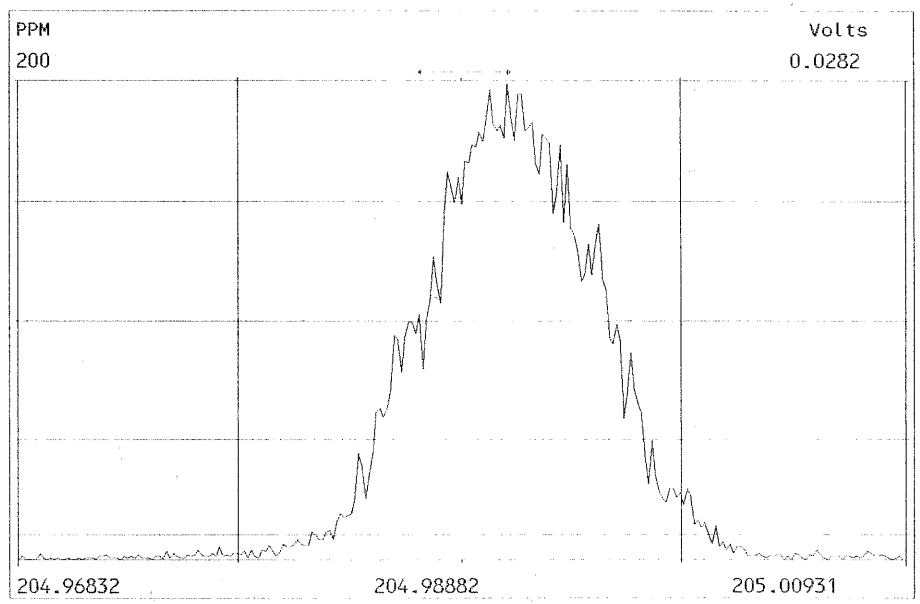


Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

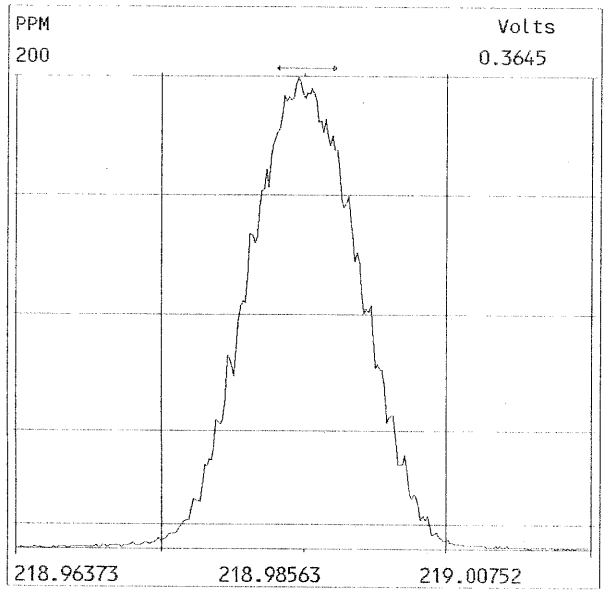


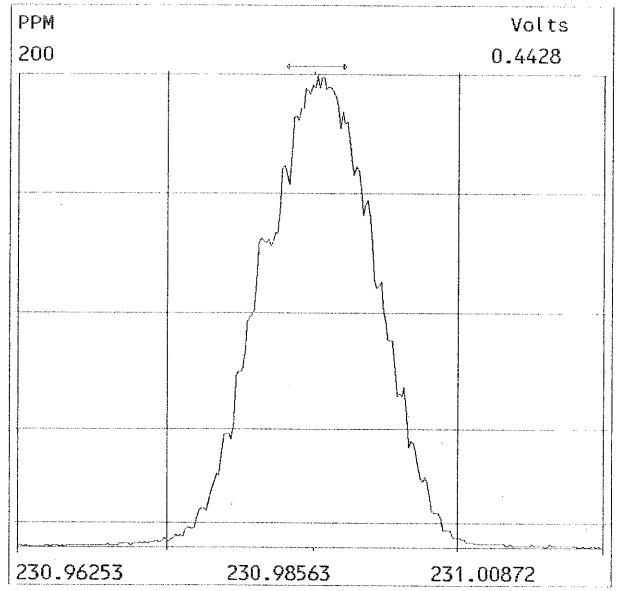


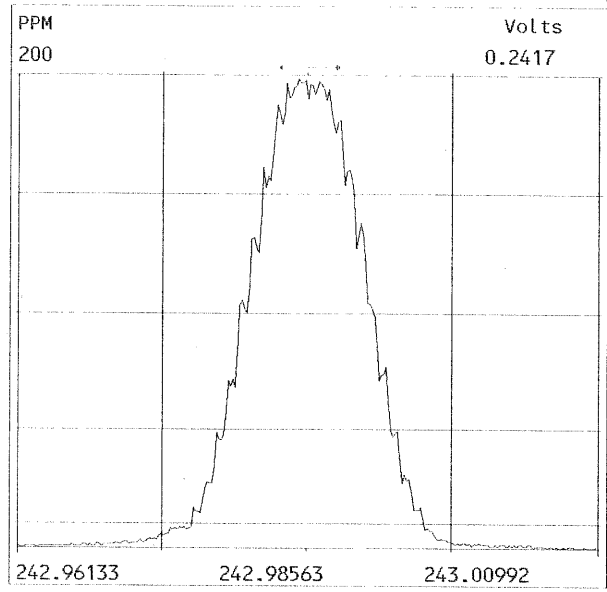


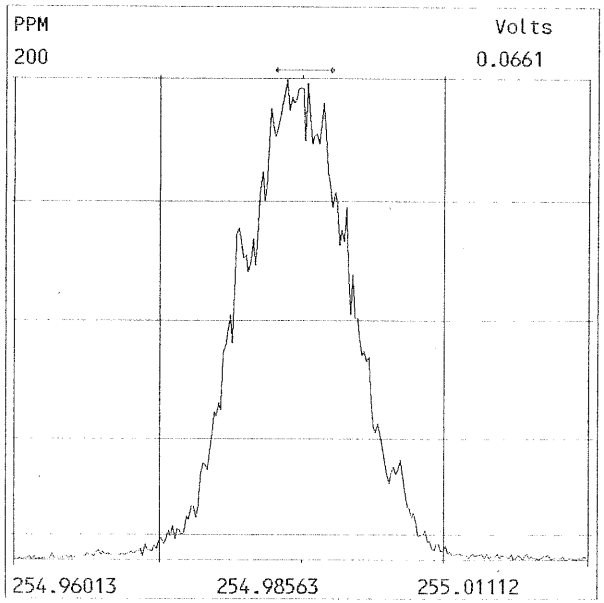


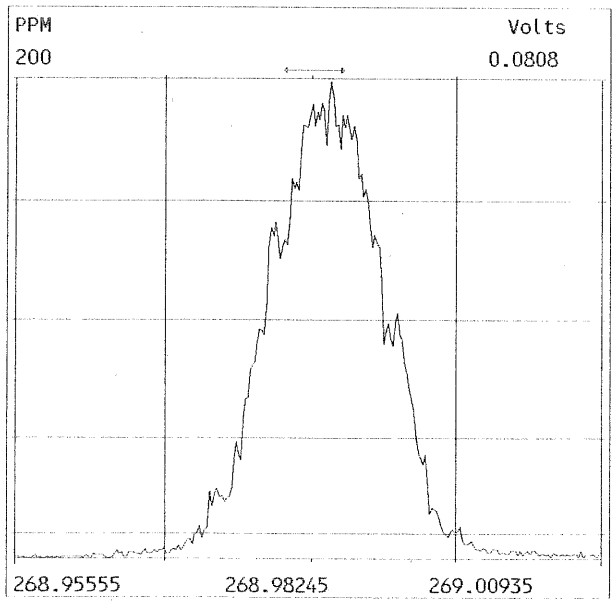
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

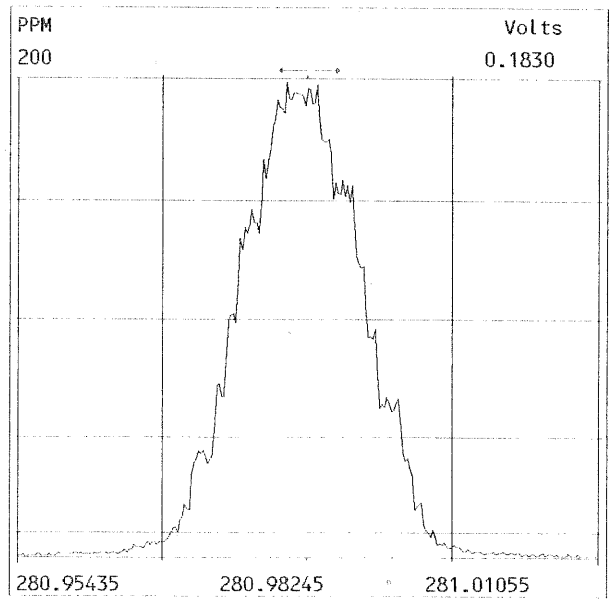






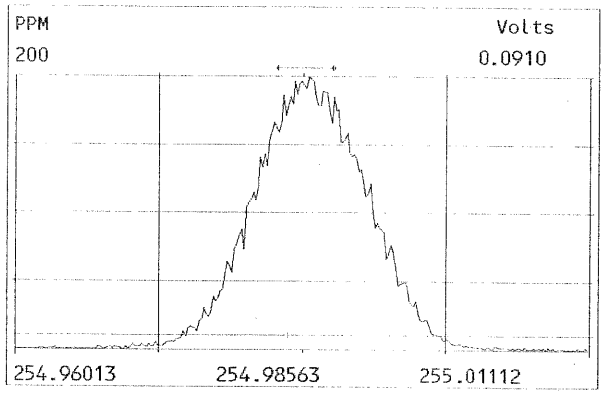


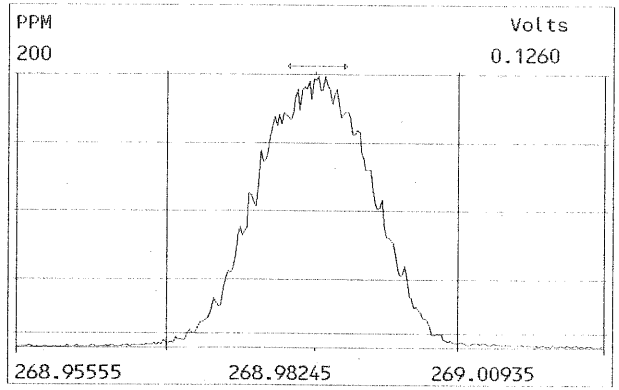


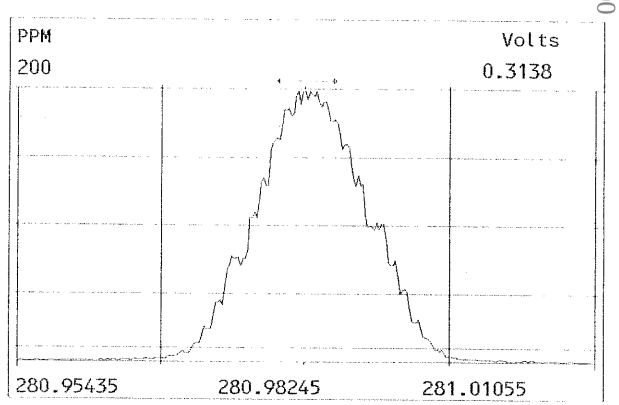


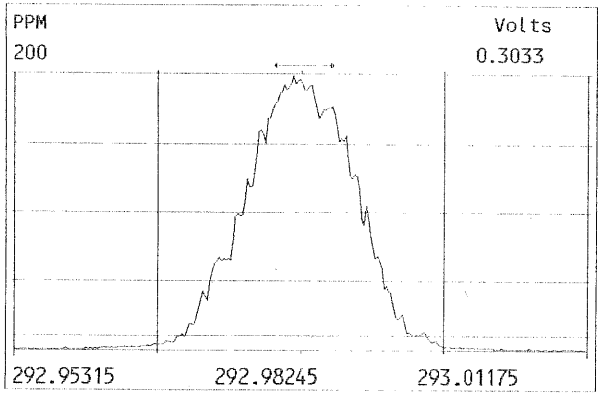
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK

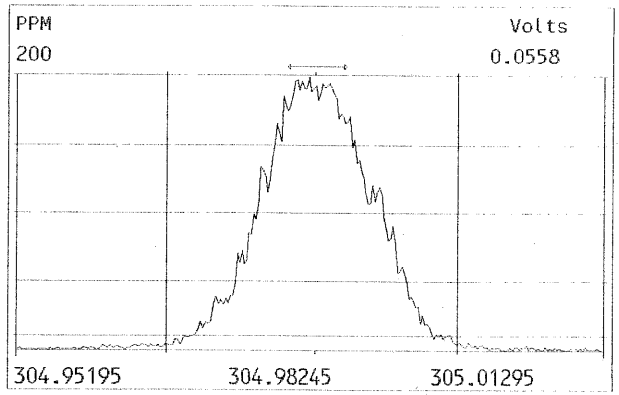
Experiment:1668PCB Function:3 Reference:PFK

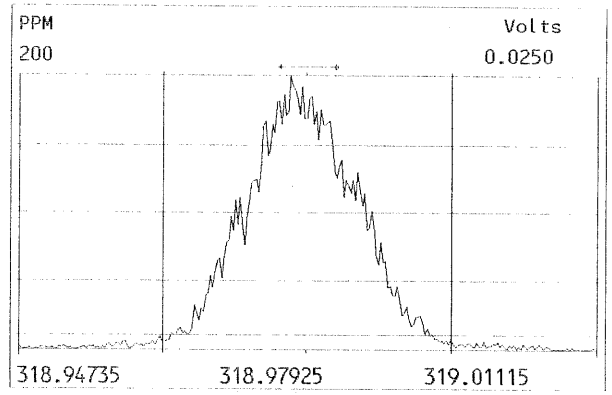


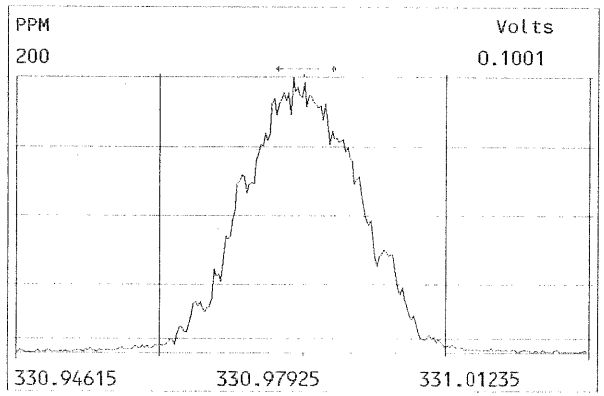


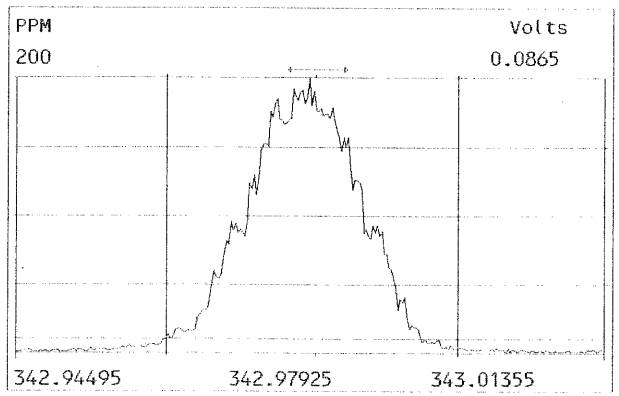




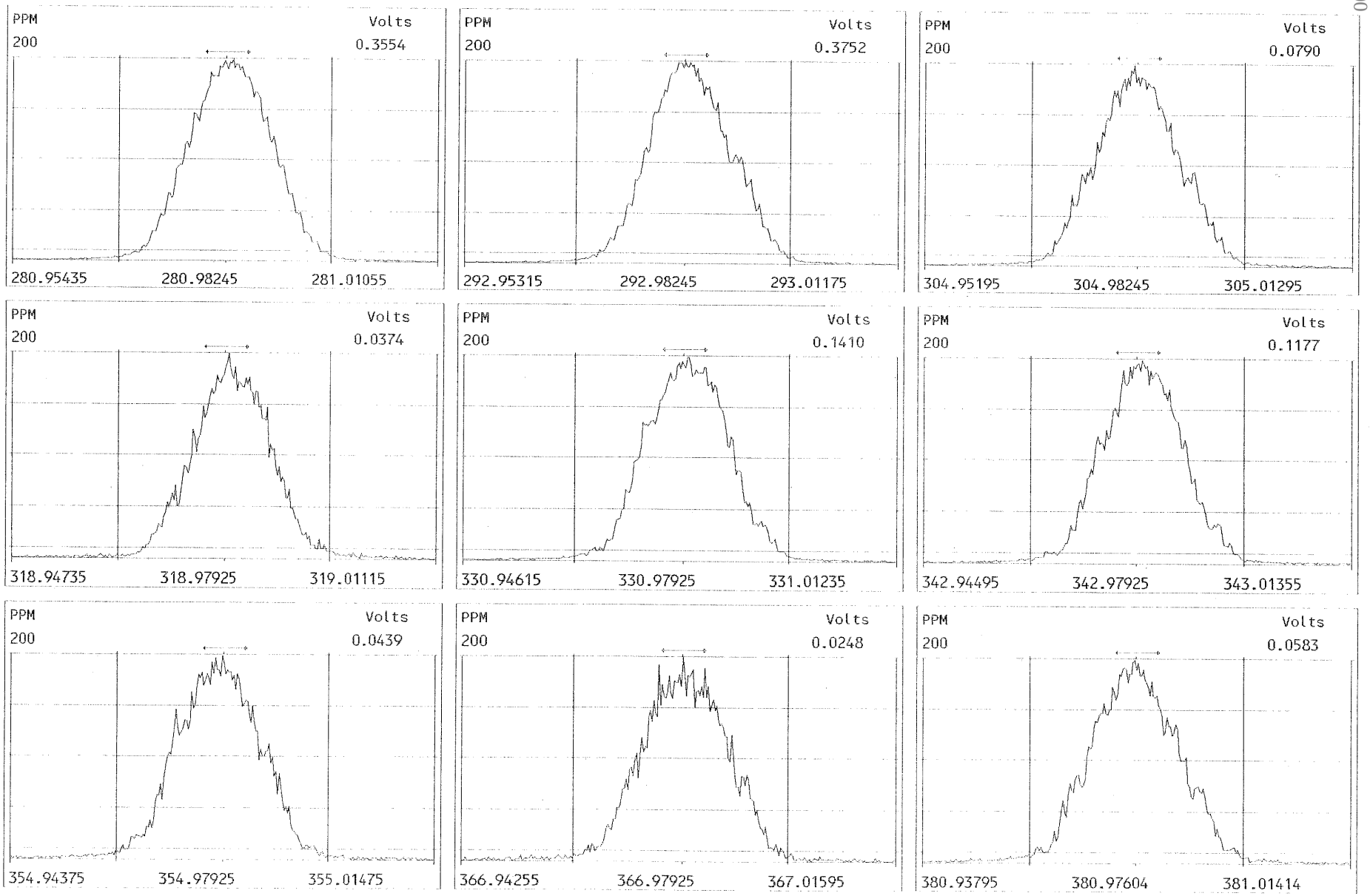






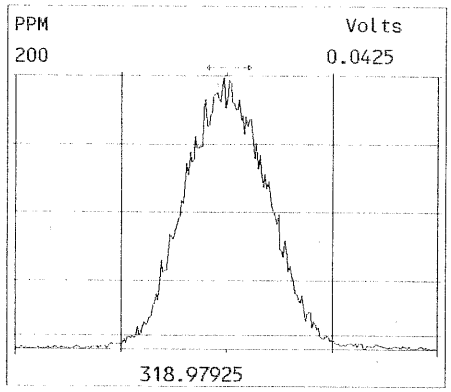


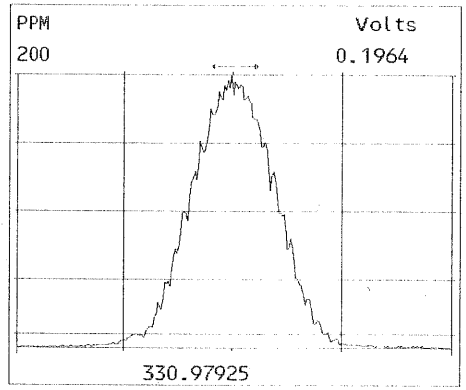
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

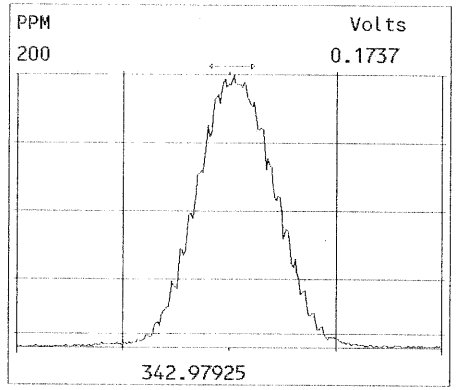


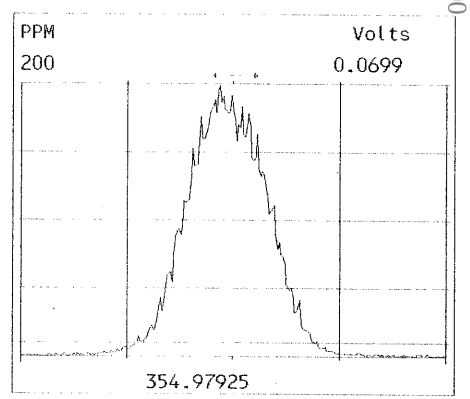
Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK

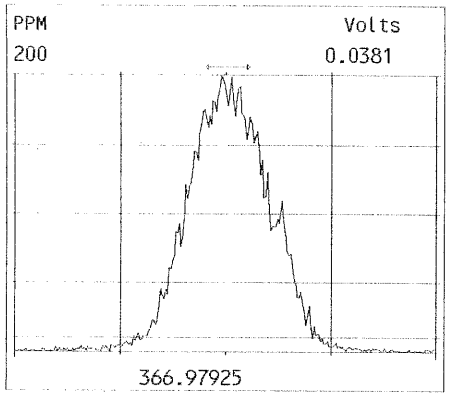
Experiment:1668PCB Function:5 Reference:PFK

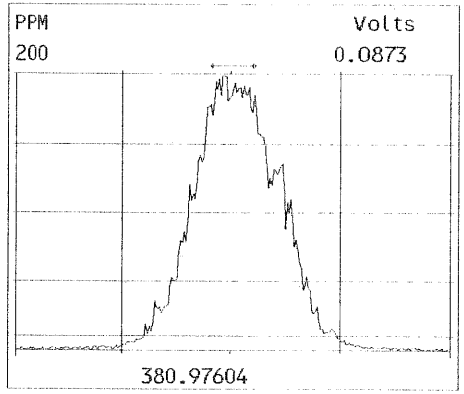


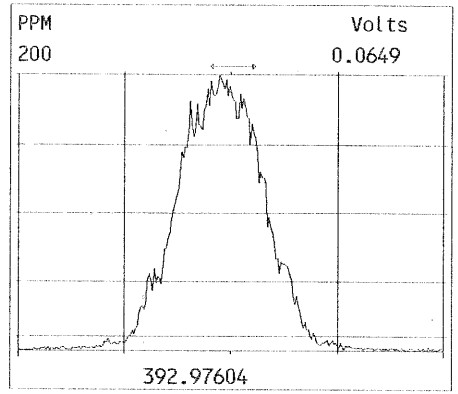


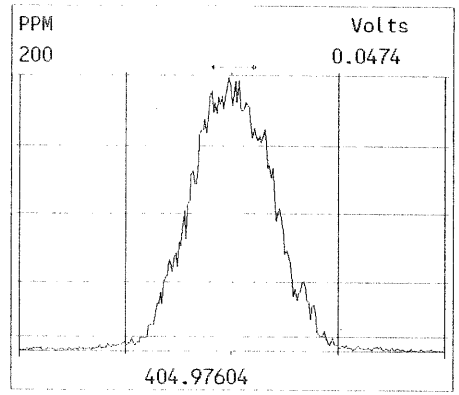


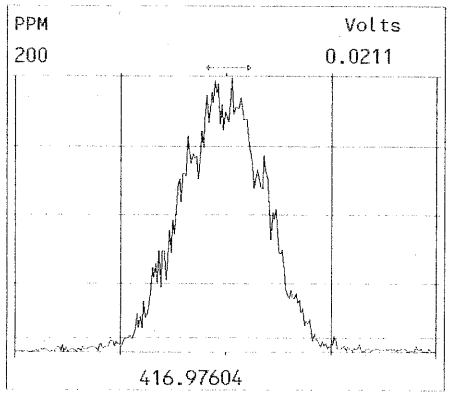


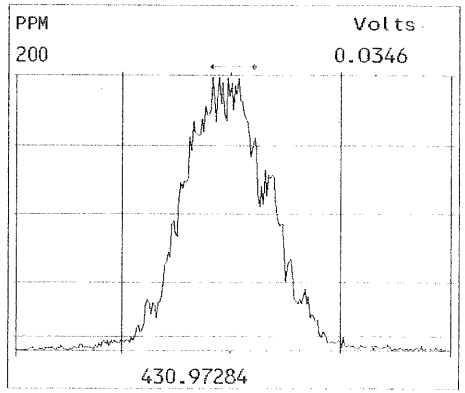


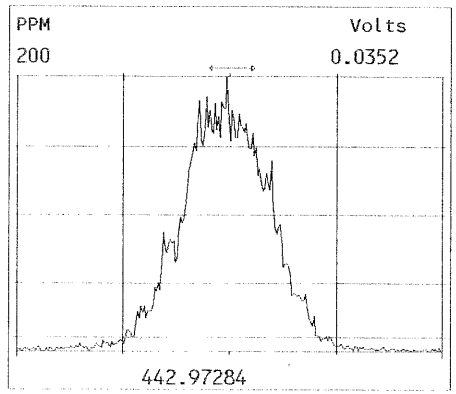




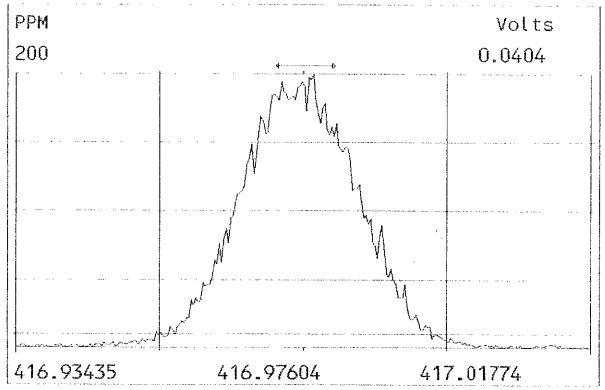


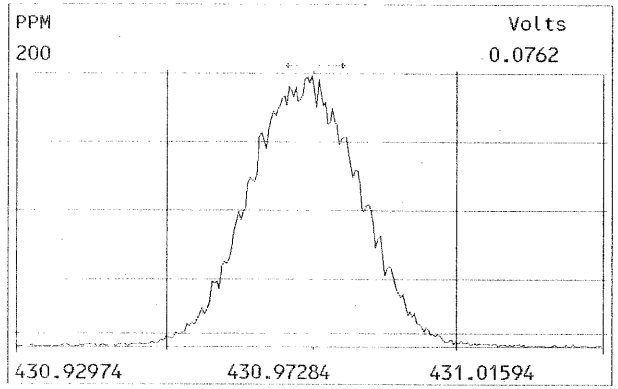


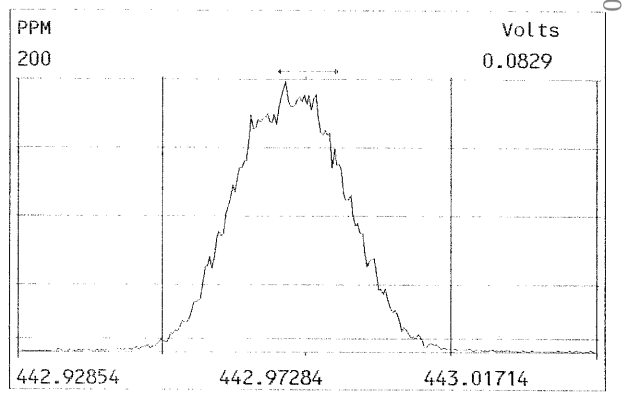


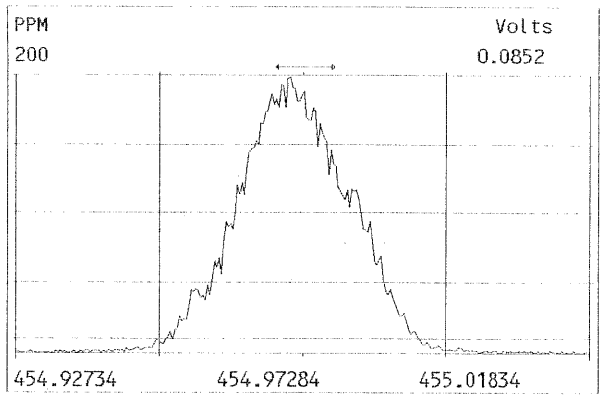


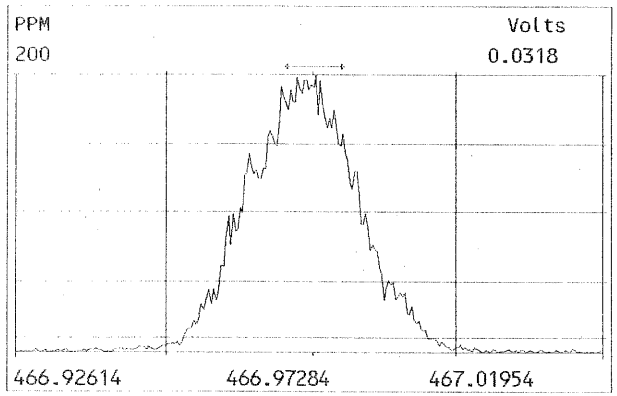
Peak Locate Examination:27-OCT-2020:20:58 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

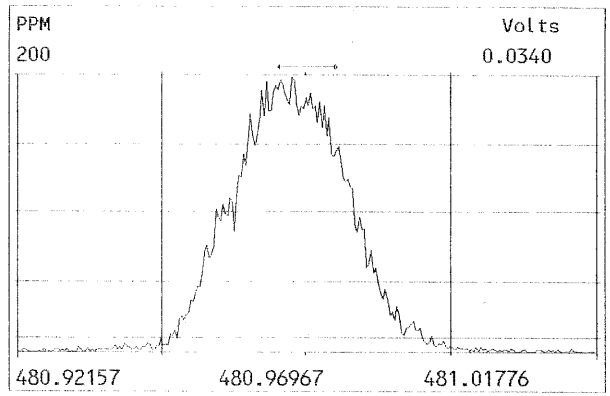


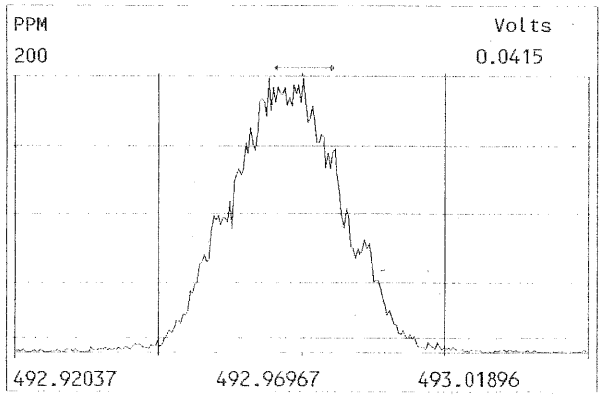


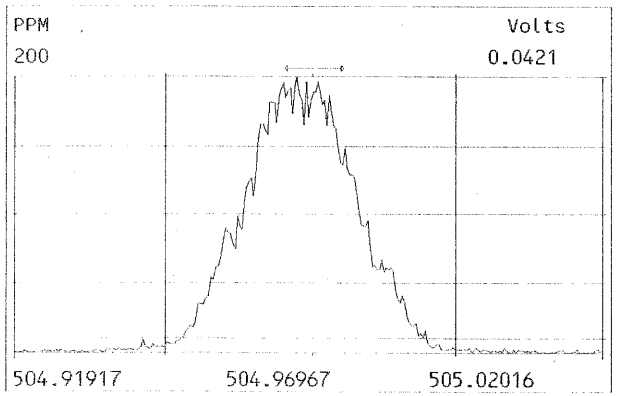


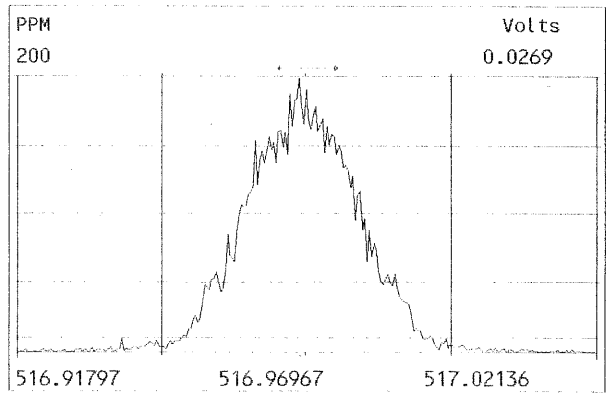












Frontier Analytical Laboratory

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: ST102720Z2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
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 2 of 2
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

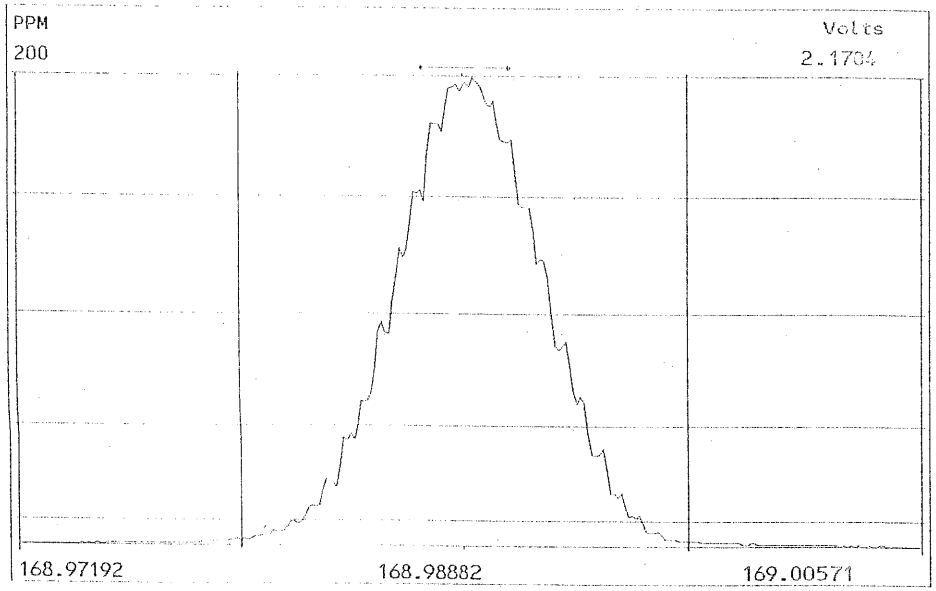
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	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

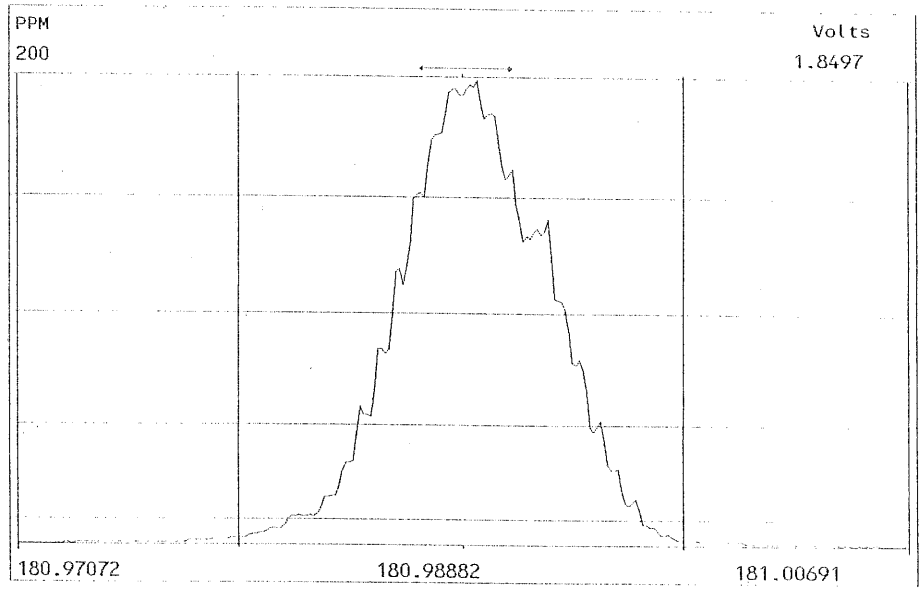
10/28/20

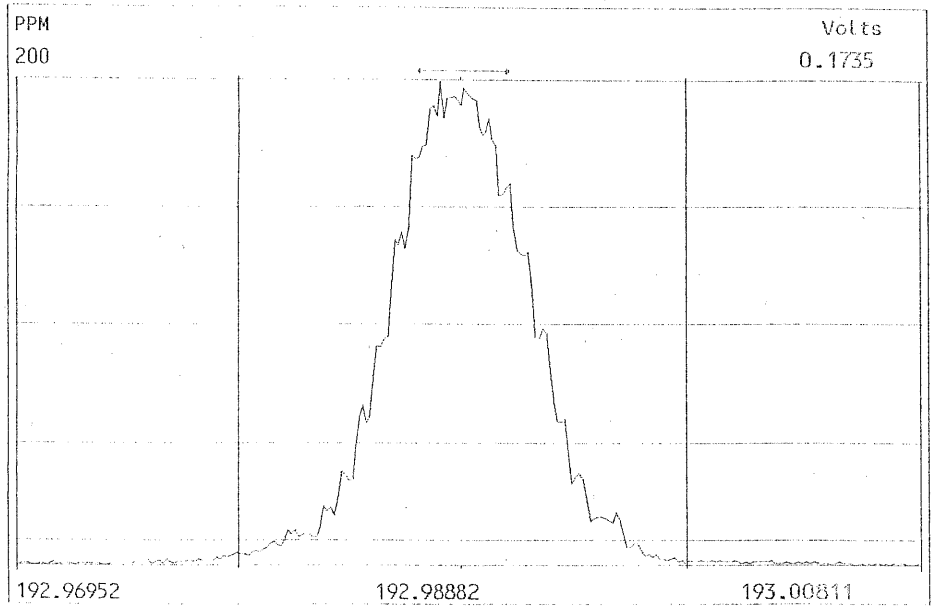
Data Backed Up:_____

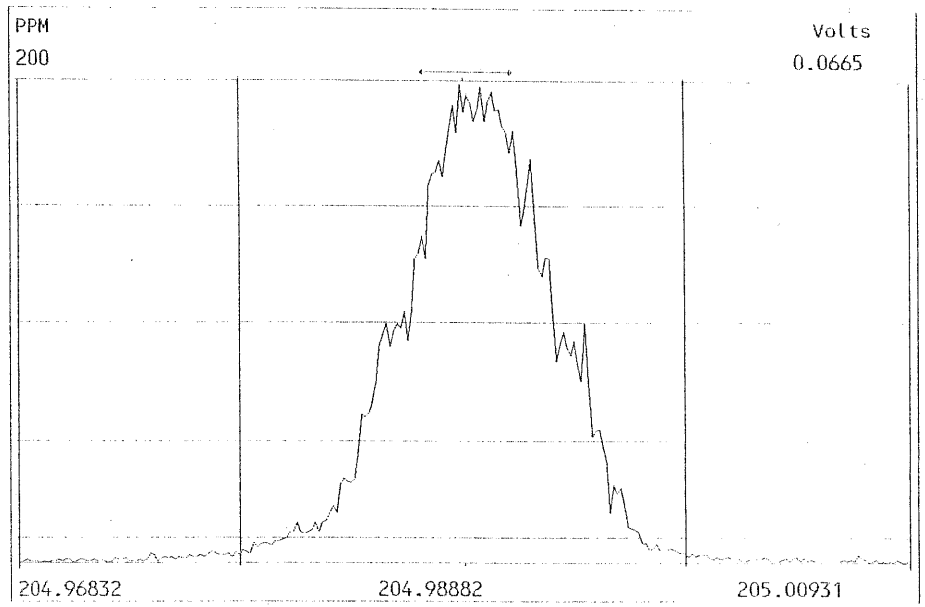
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

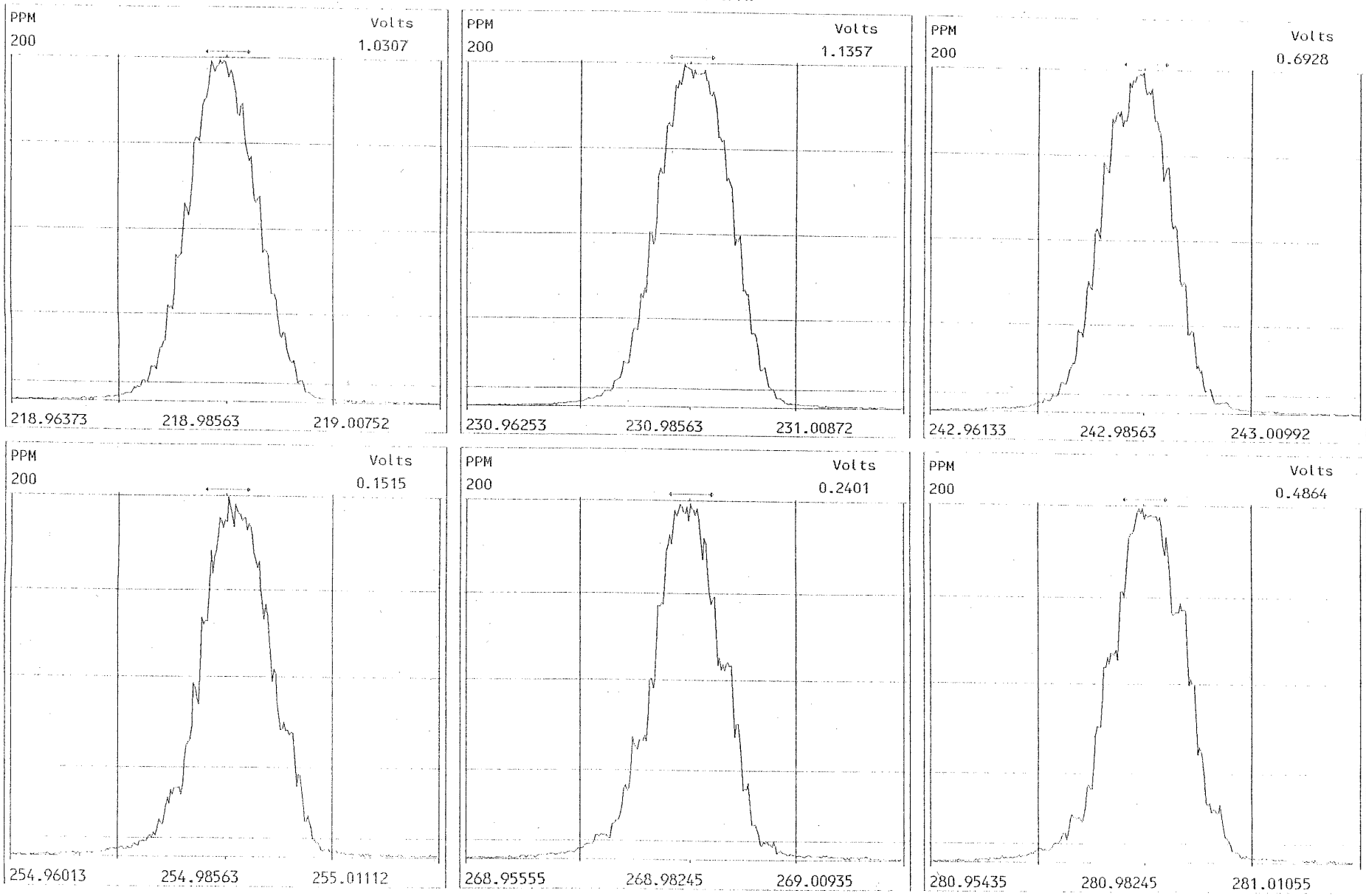




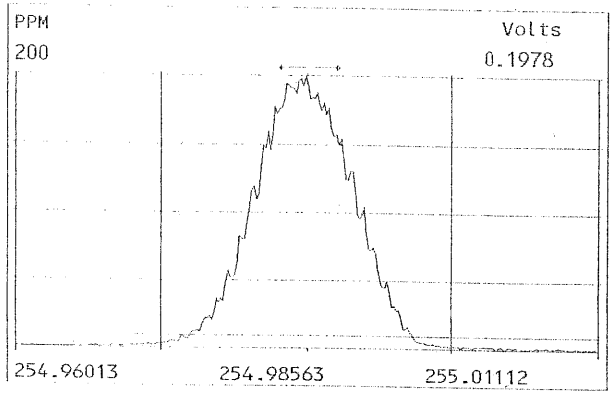


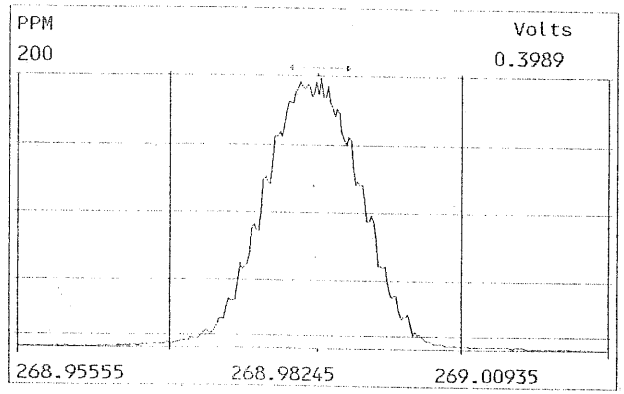


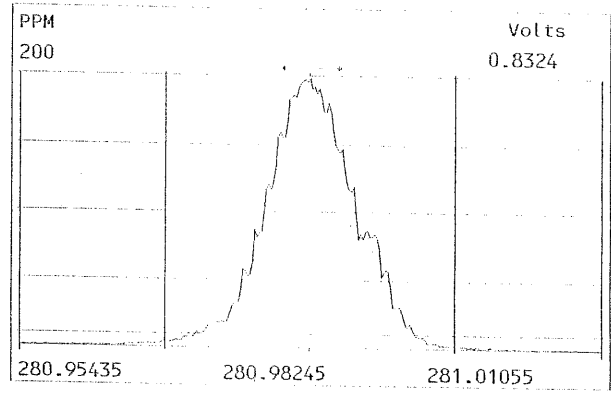
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

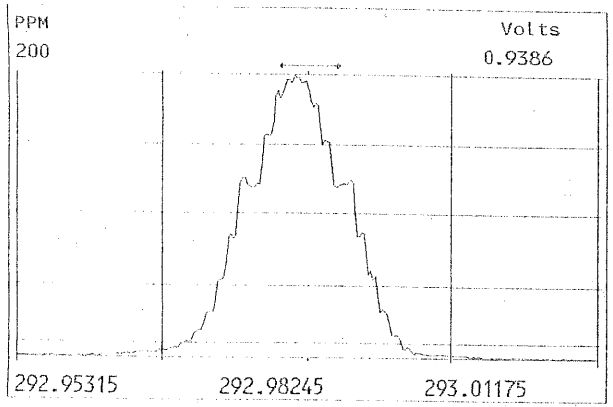


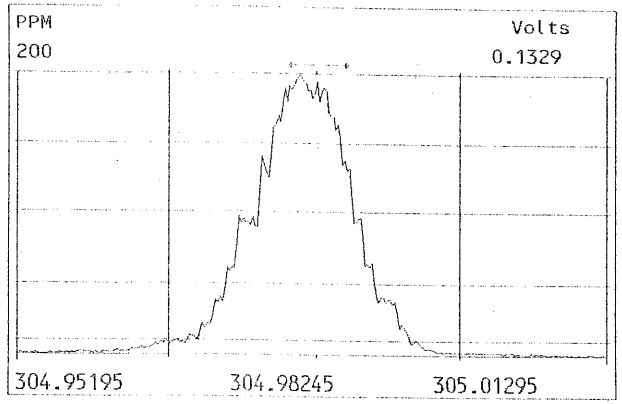
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

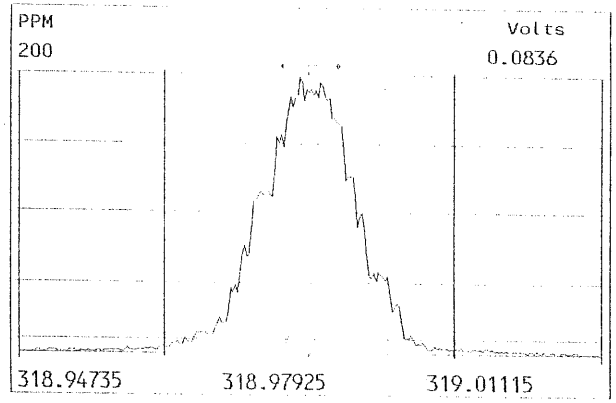


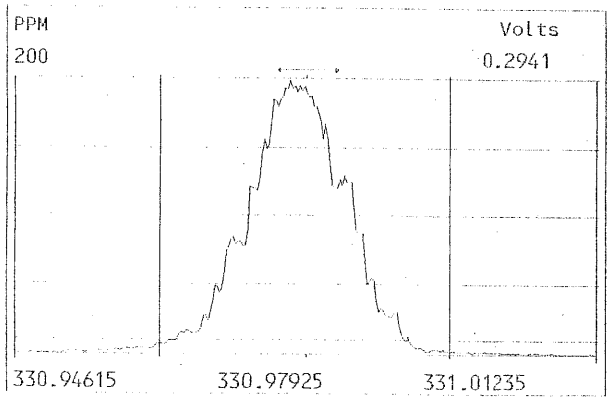


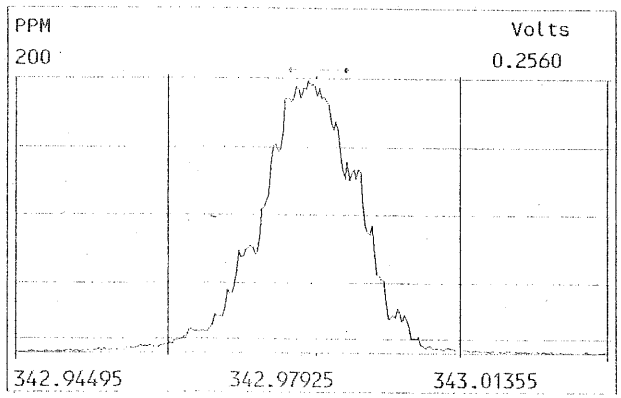






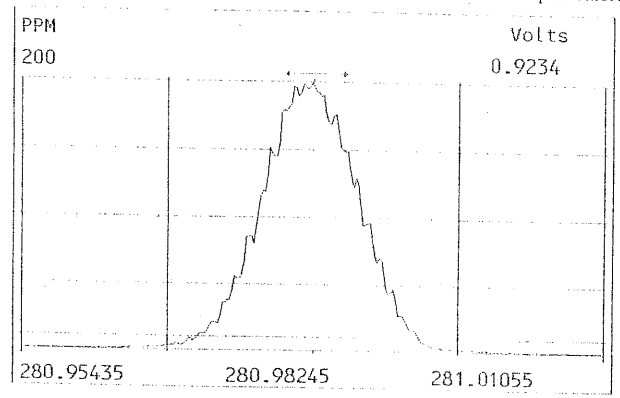


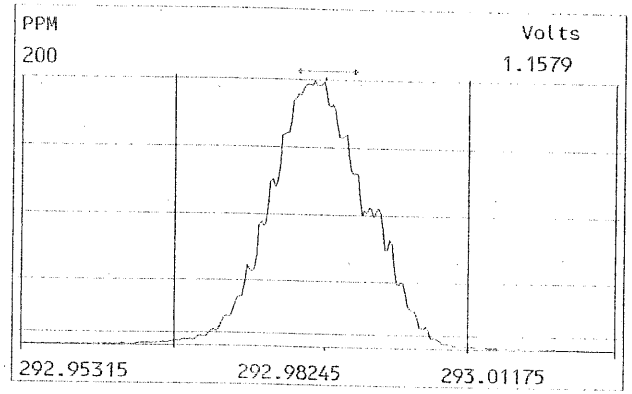


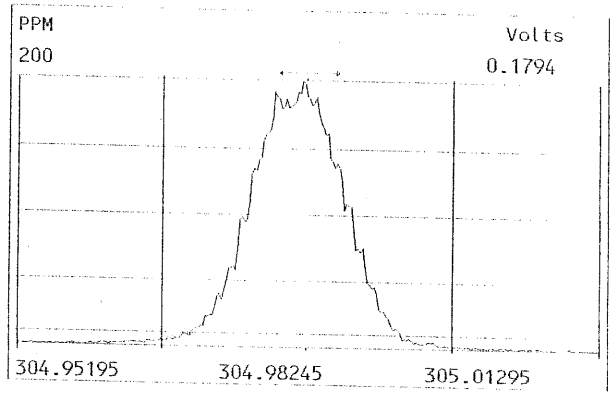


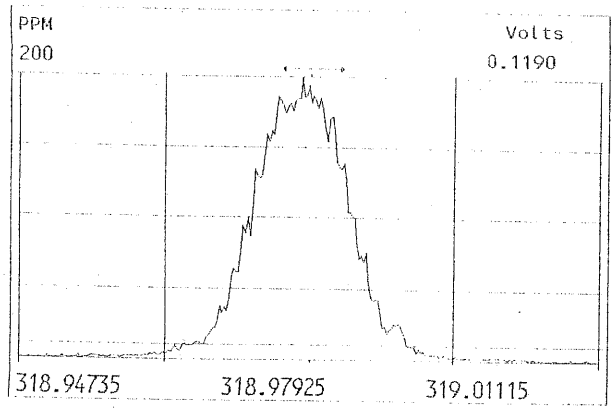
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z

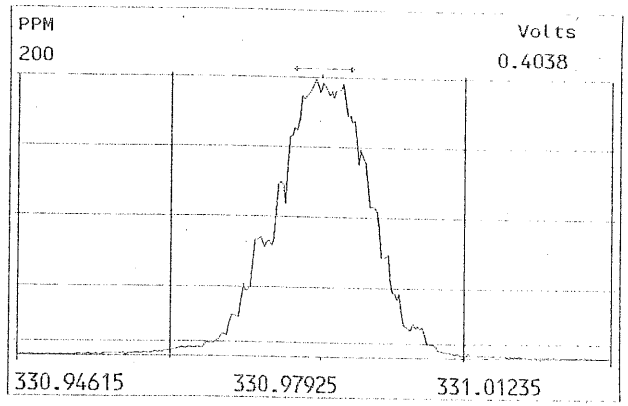
Experiment:1668PCB Function:4 Reference:PFK

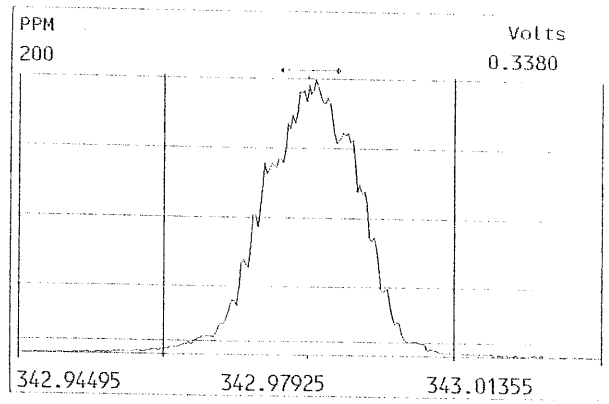


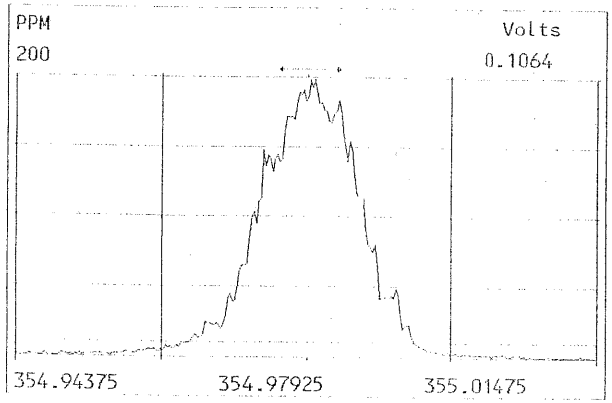


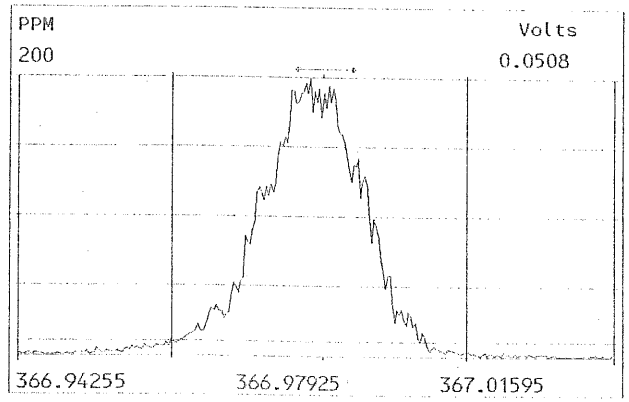


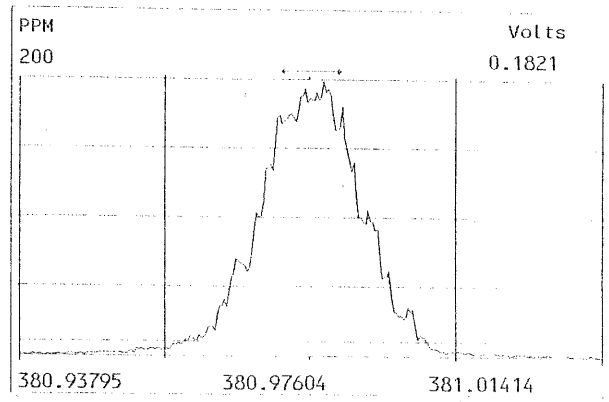




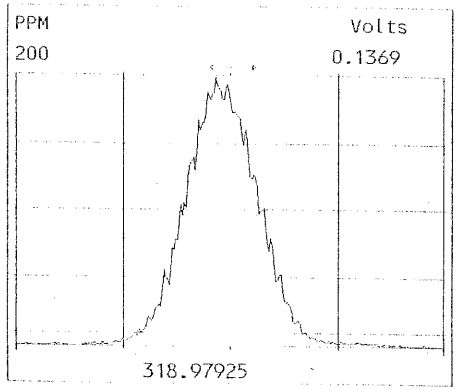


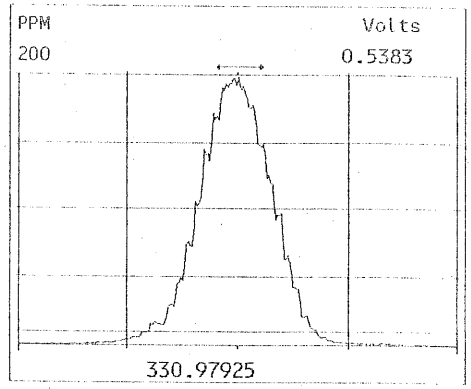


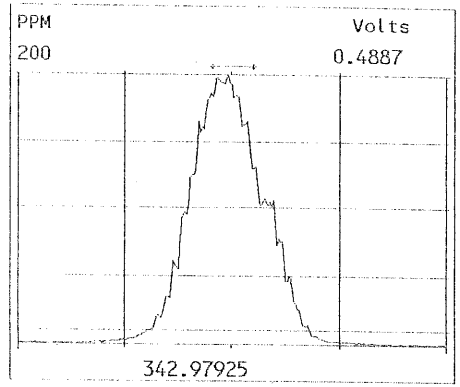


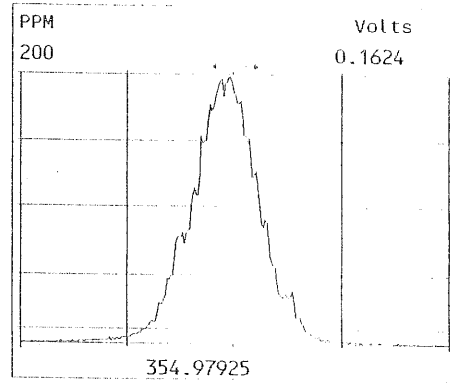


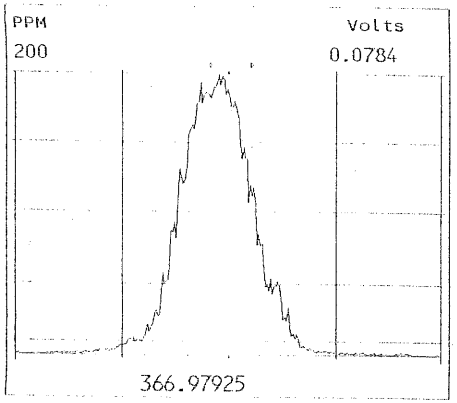
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

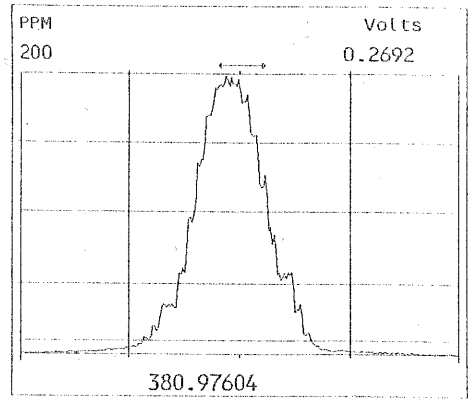


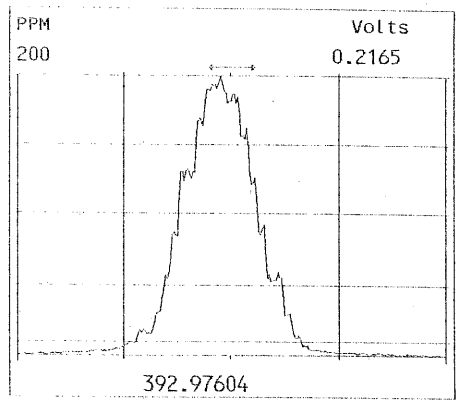


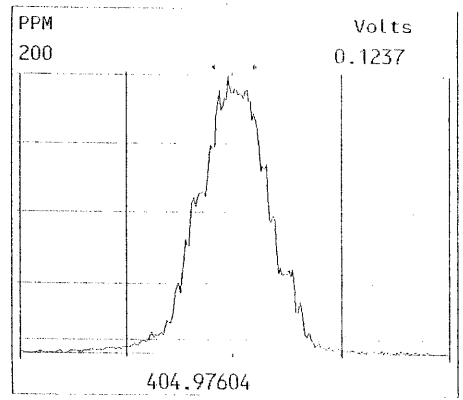


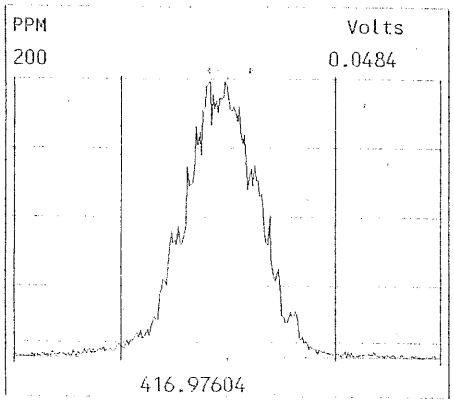


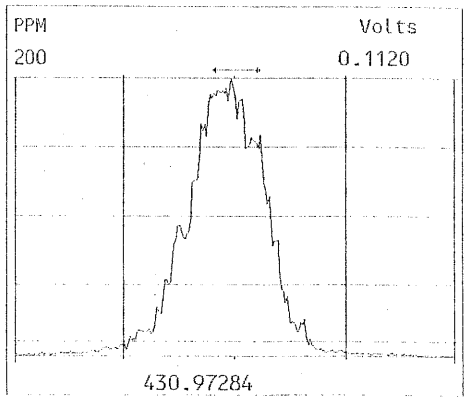


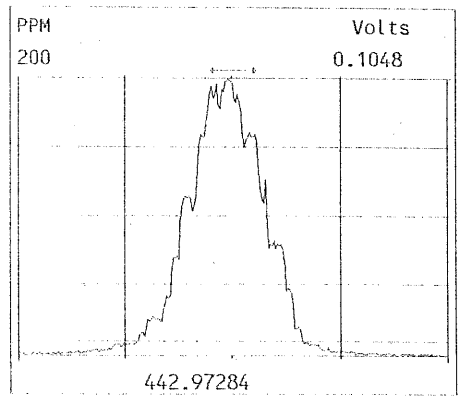






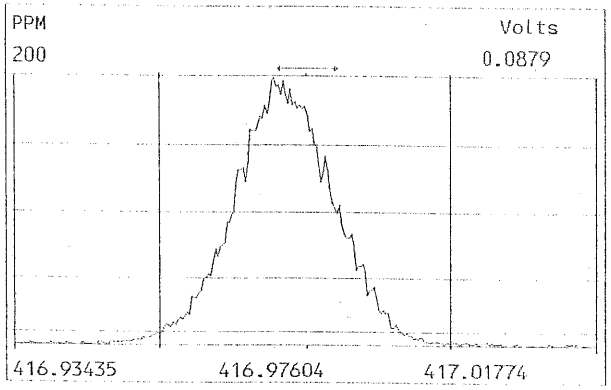


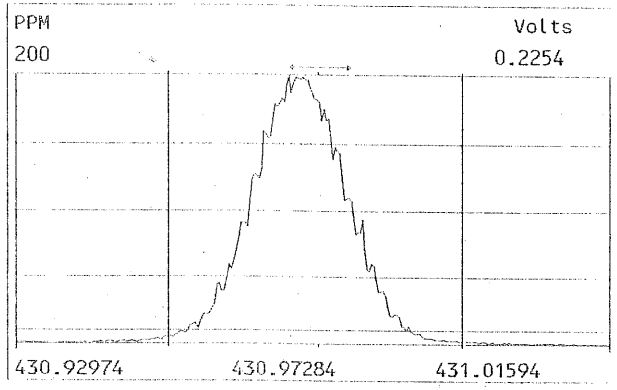


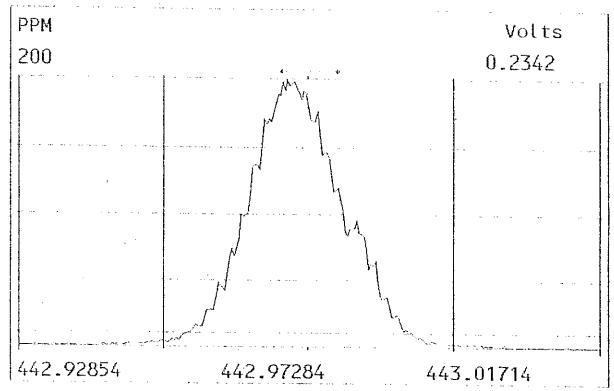


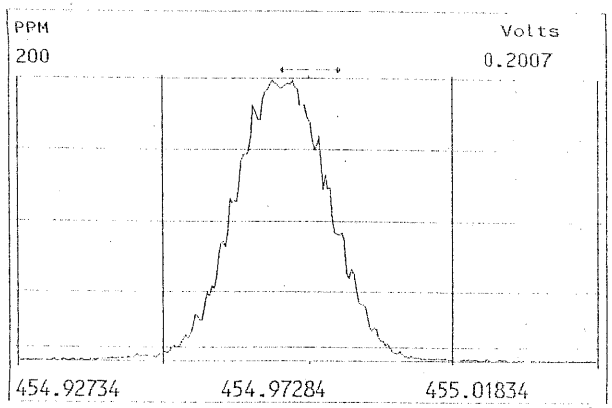
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z

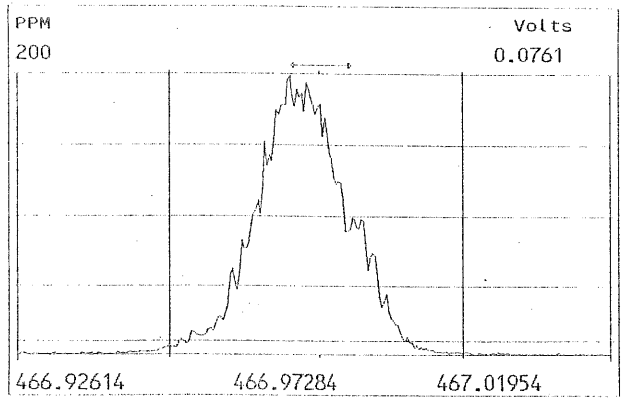
Experiment:1668PCB Function:6 Reference:PFK

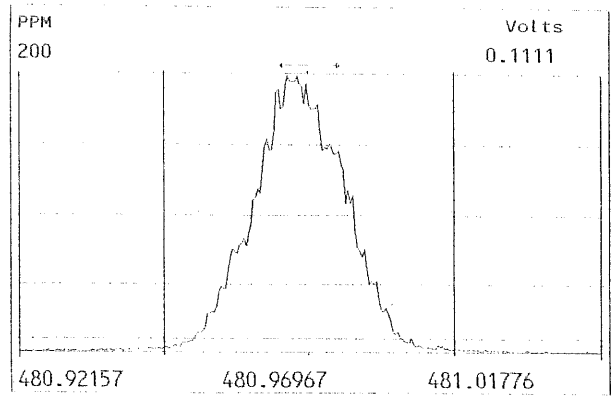


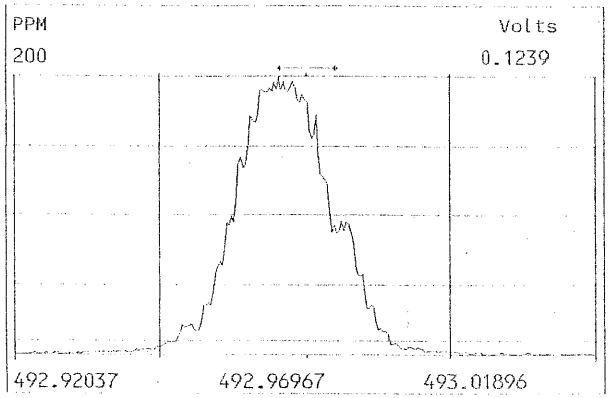


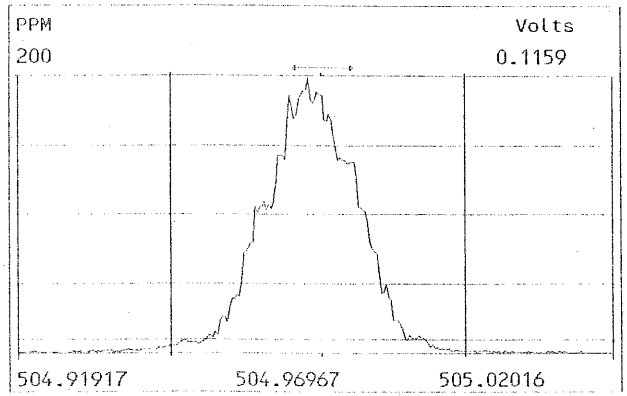


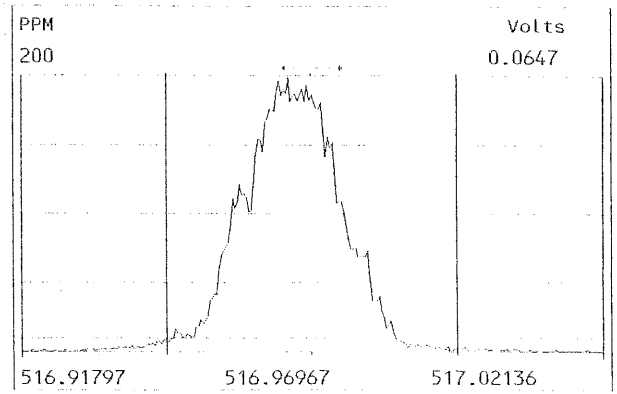




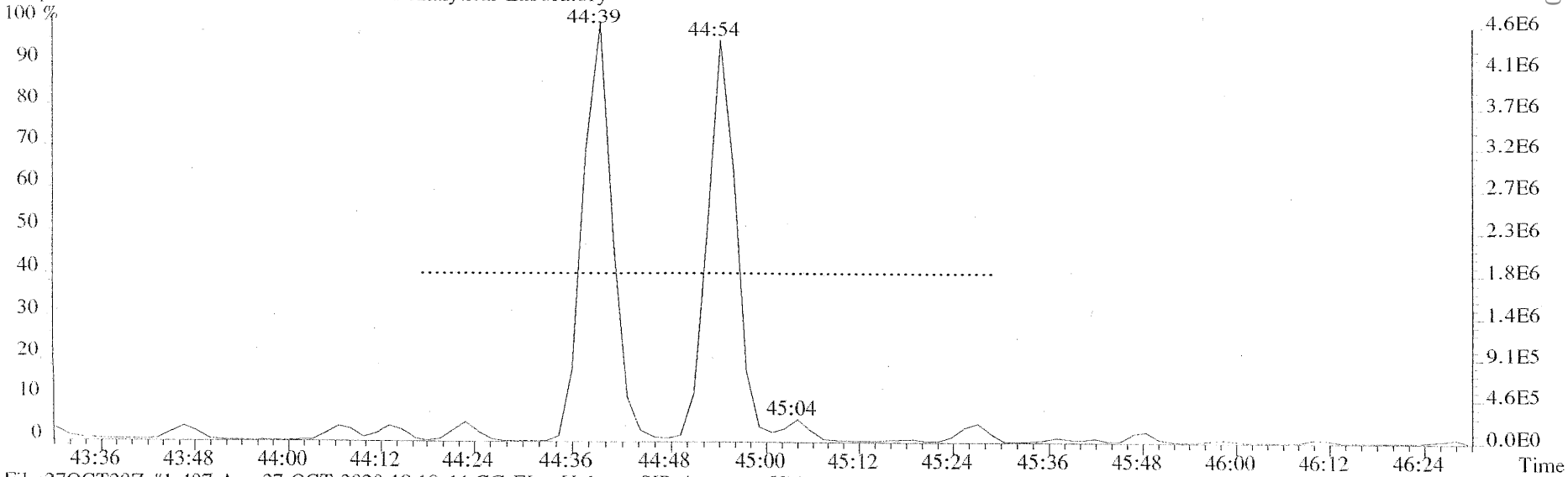








File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



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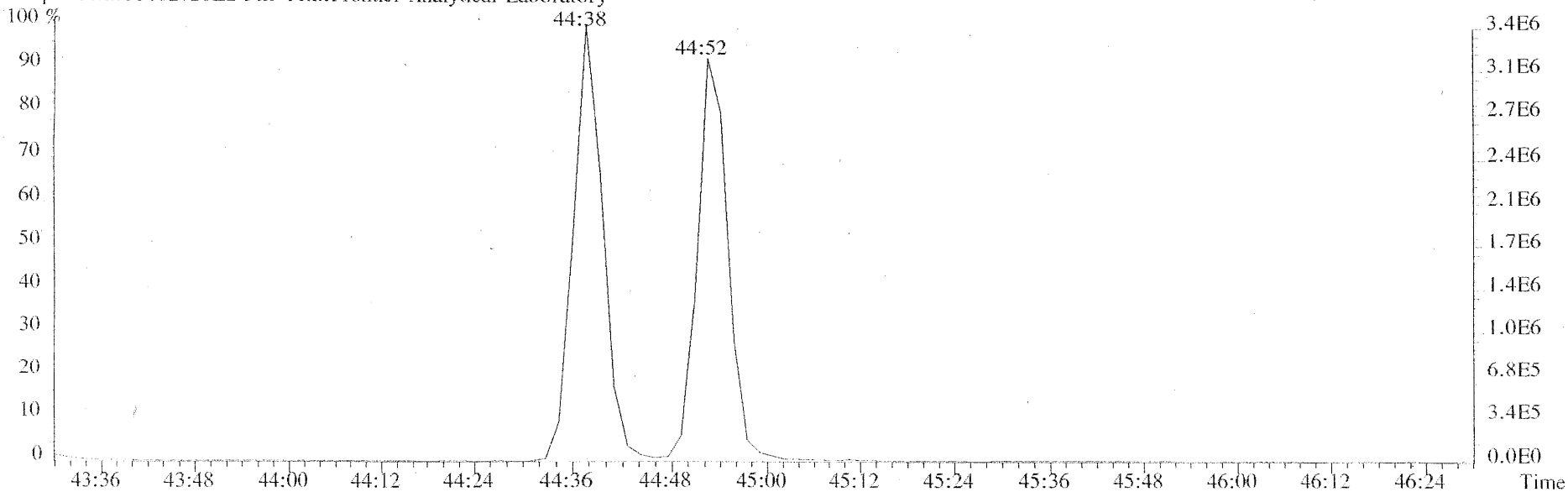
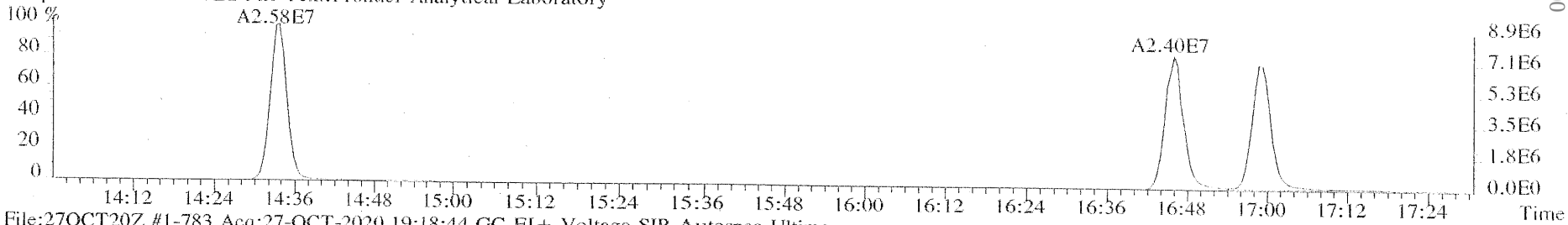


File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
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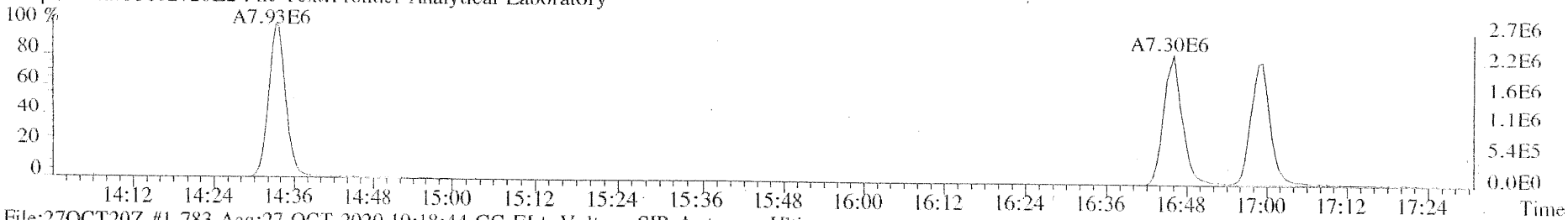
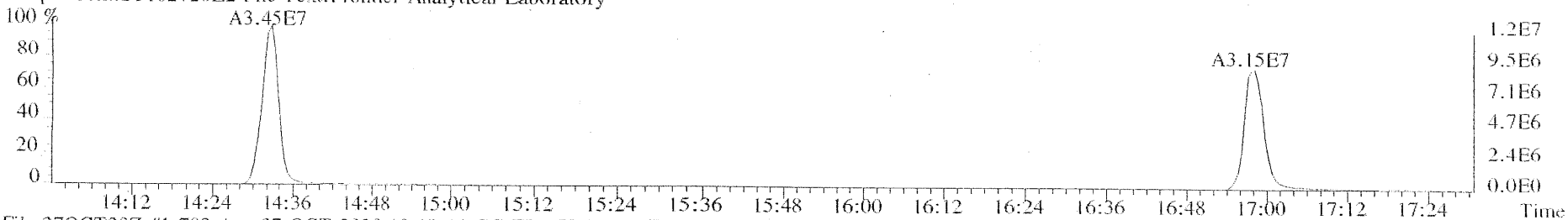
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



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
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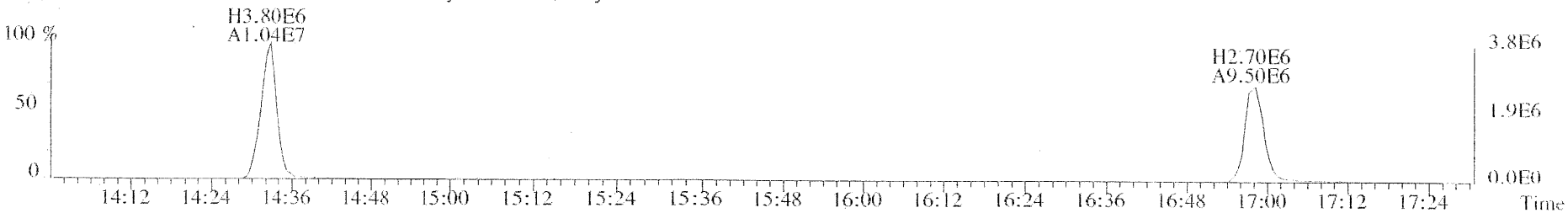
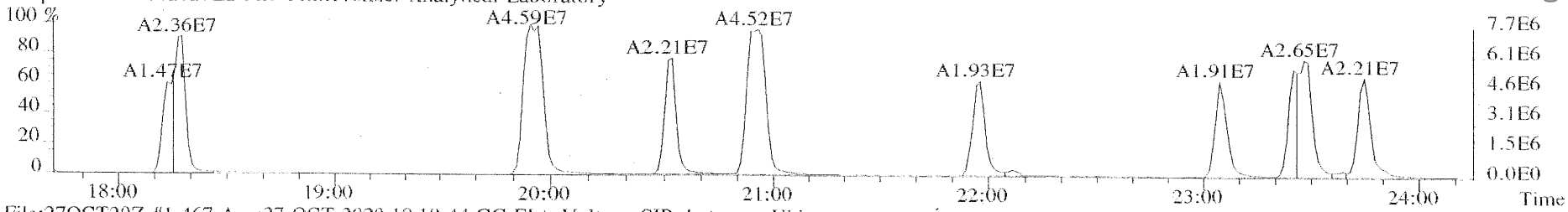
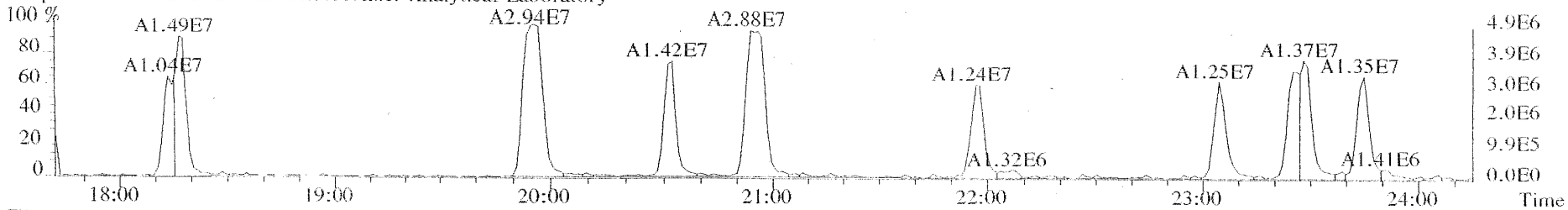
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



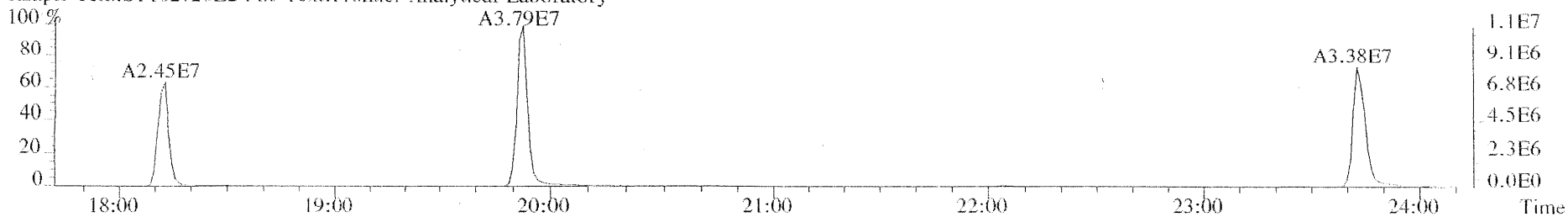
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



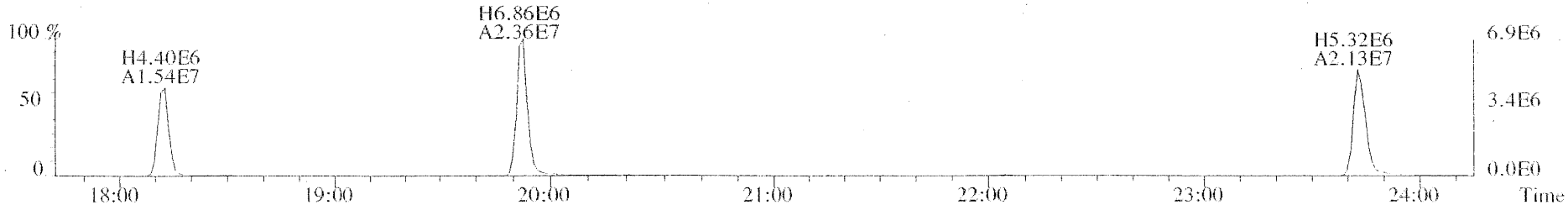
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



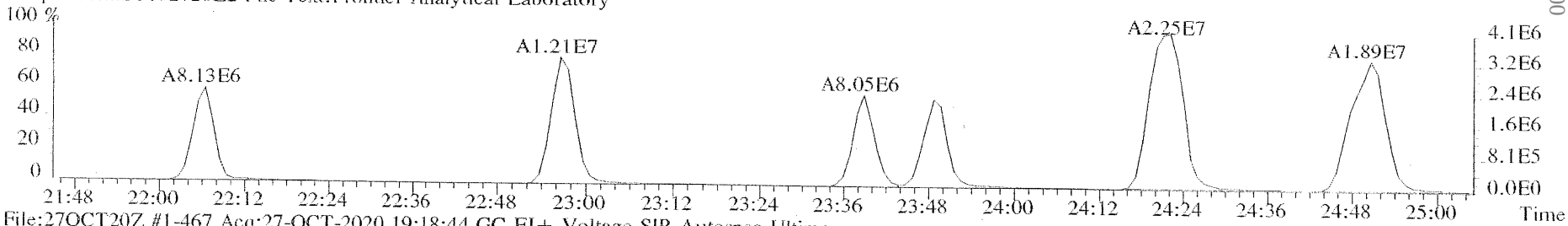
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



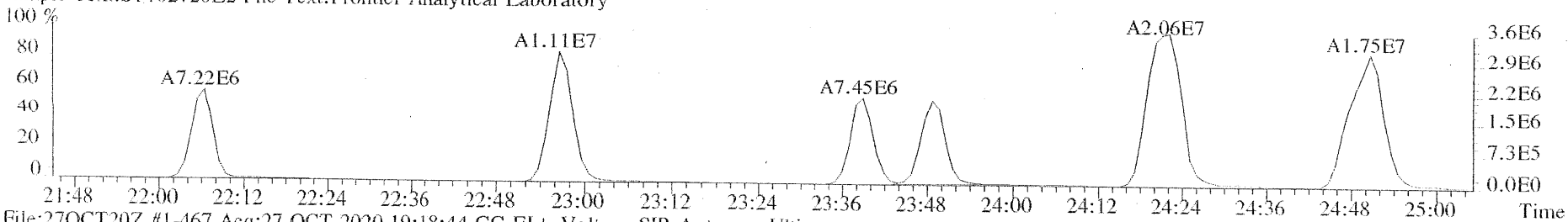
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



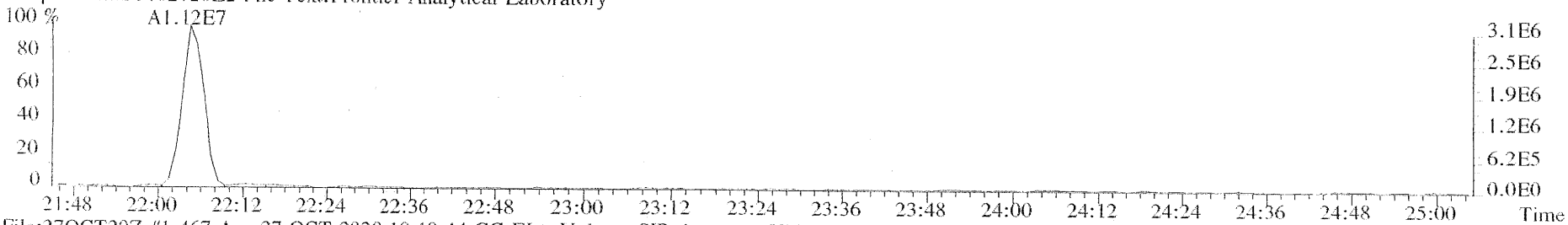
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



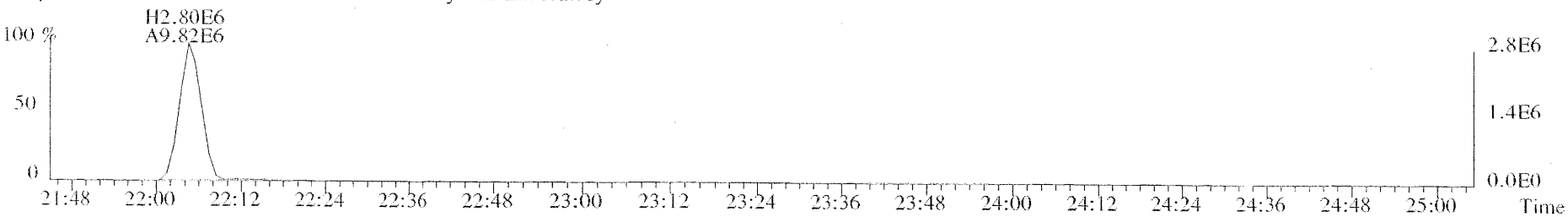
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



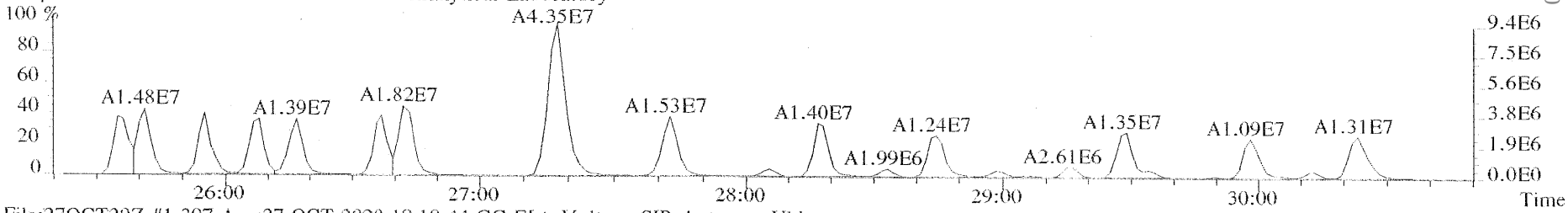
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



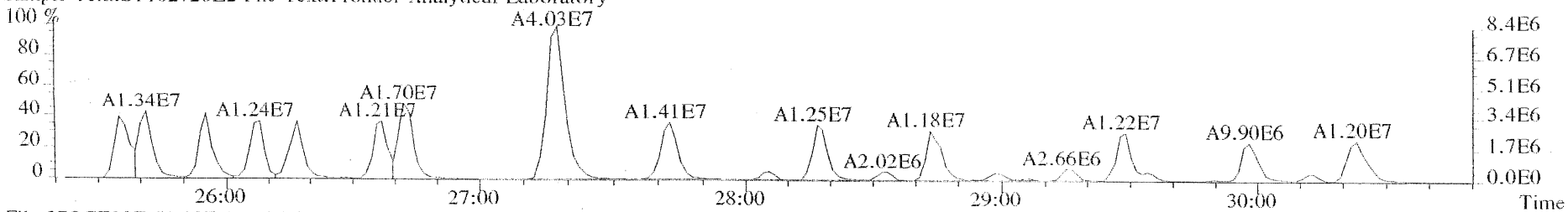
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



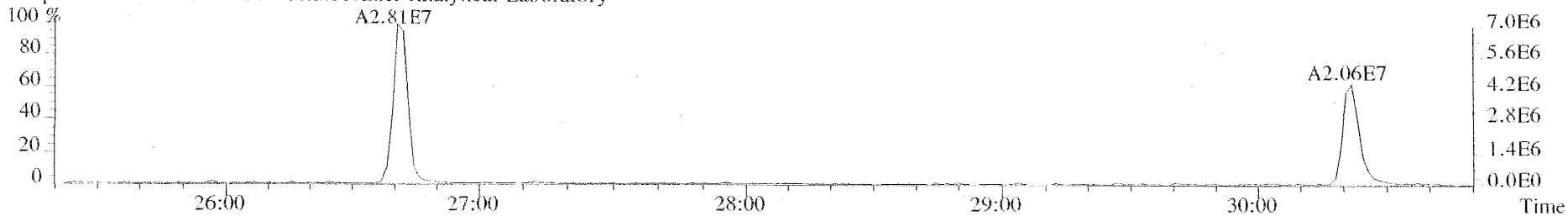
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



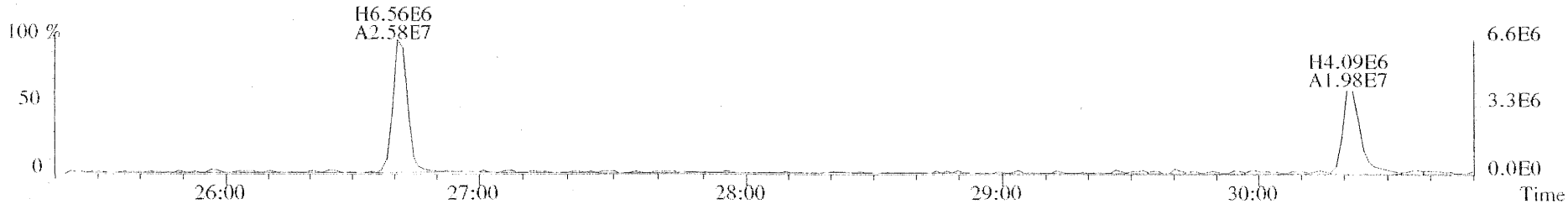
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



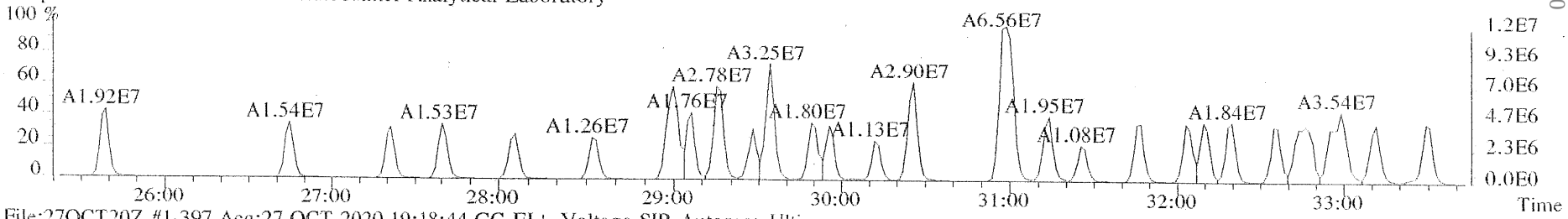
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



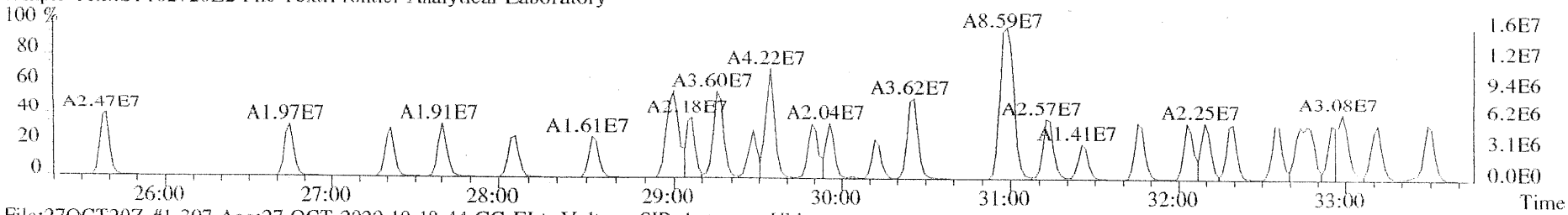
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



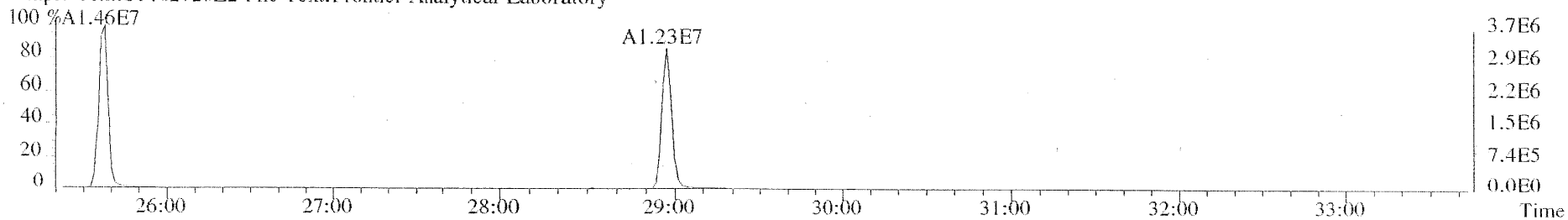
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



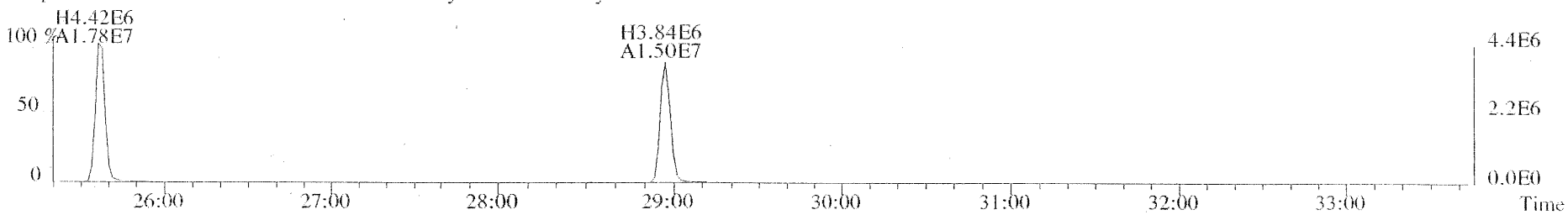
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



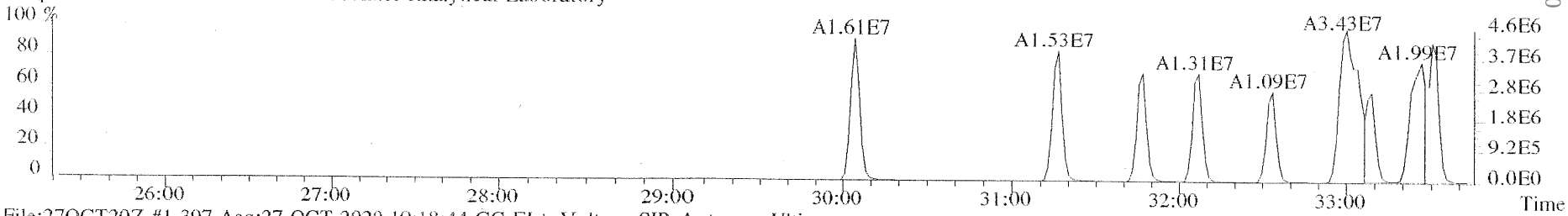
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



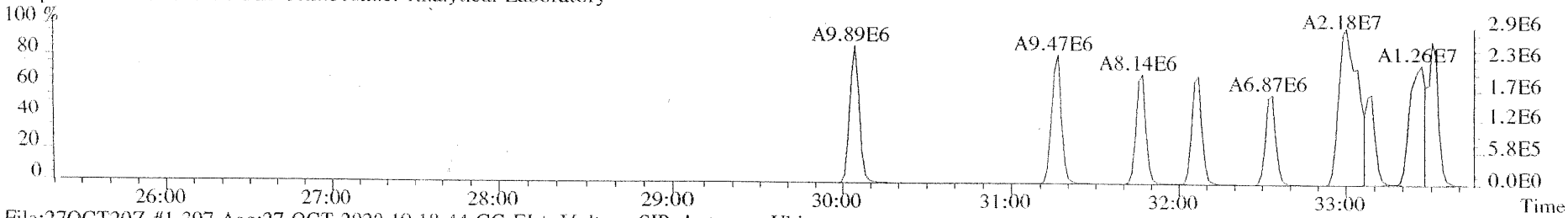
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



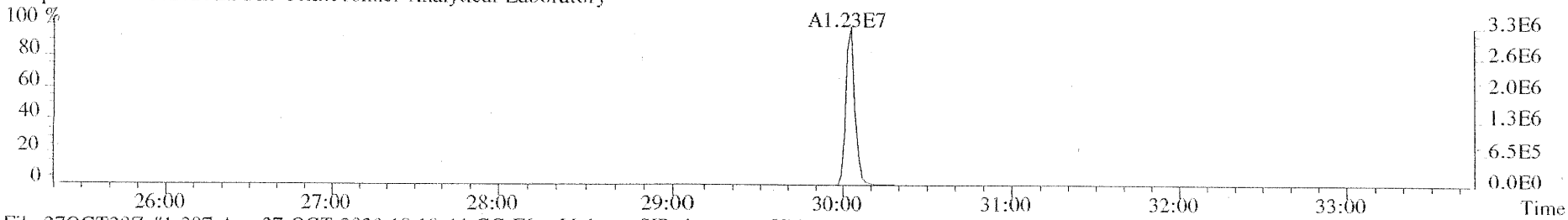
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



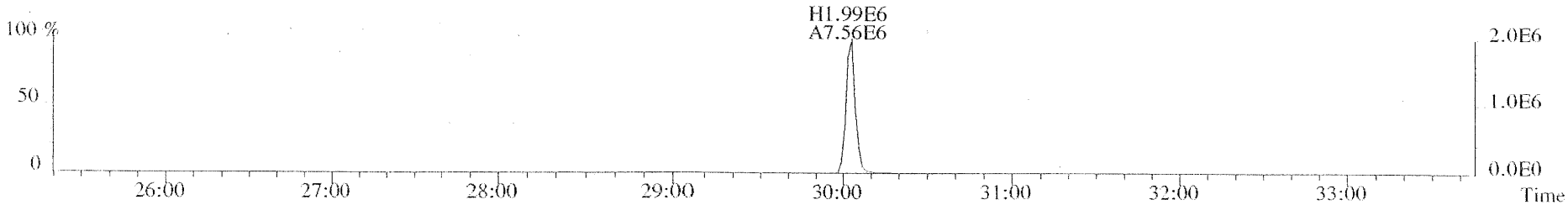
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



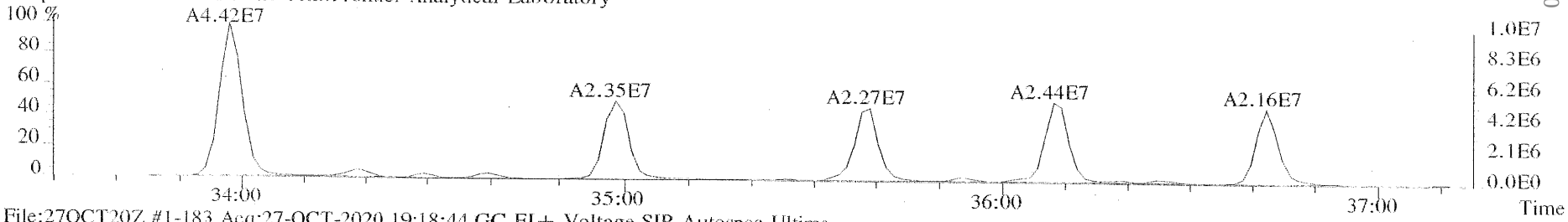
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



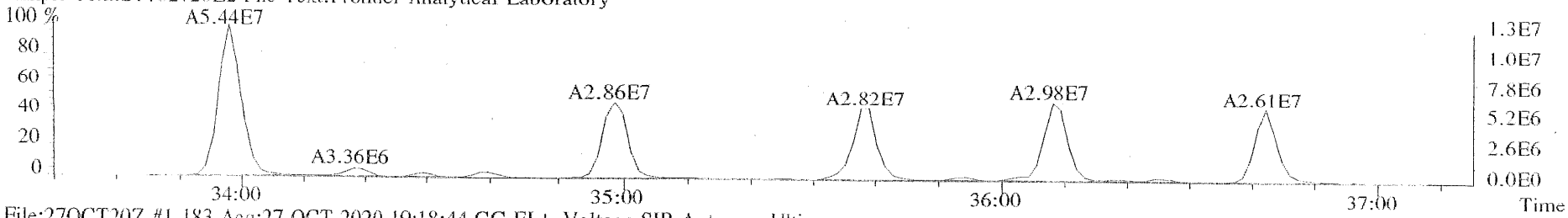
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



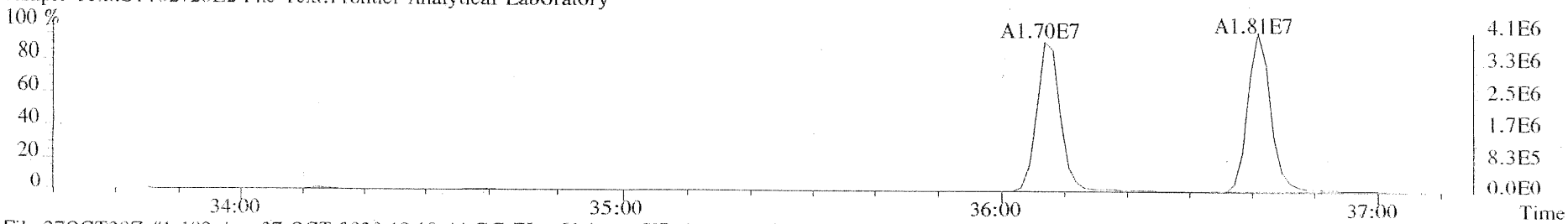
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



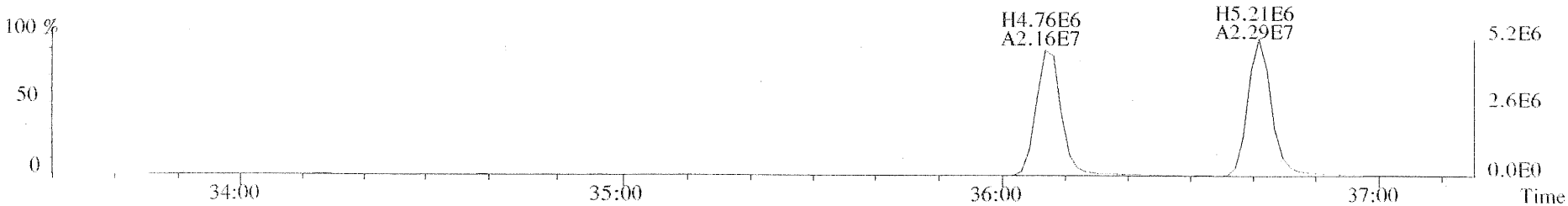
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



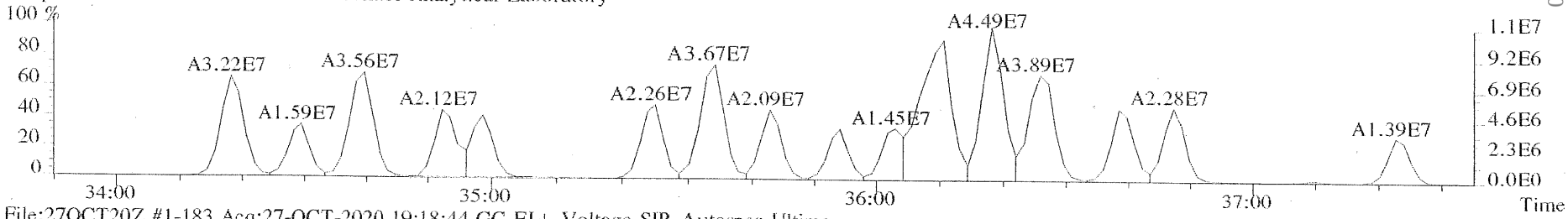
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



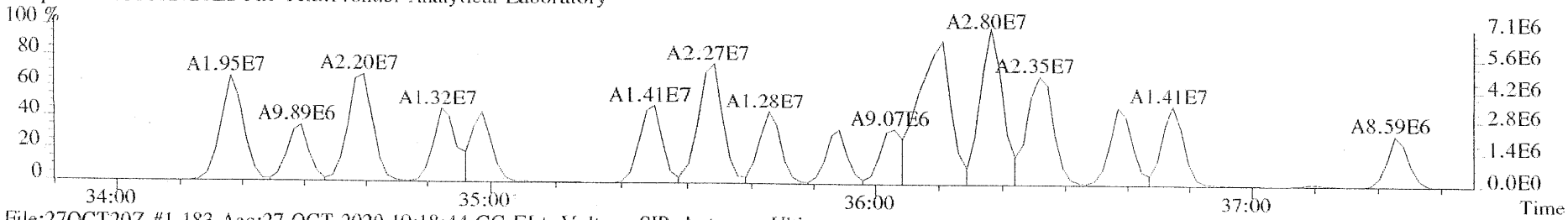
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



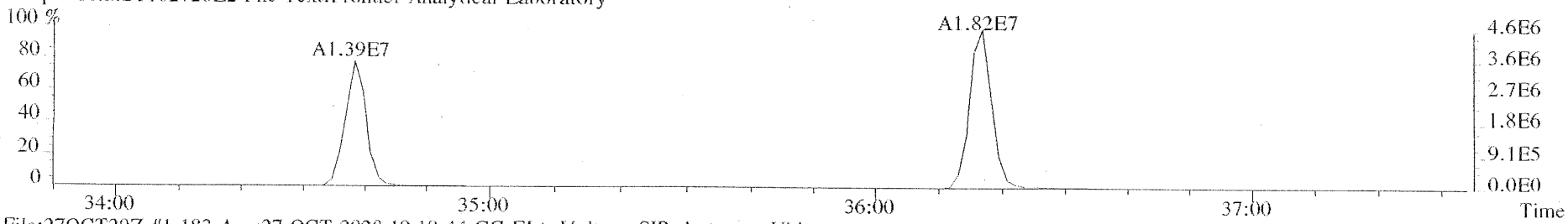
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



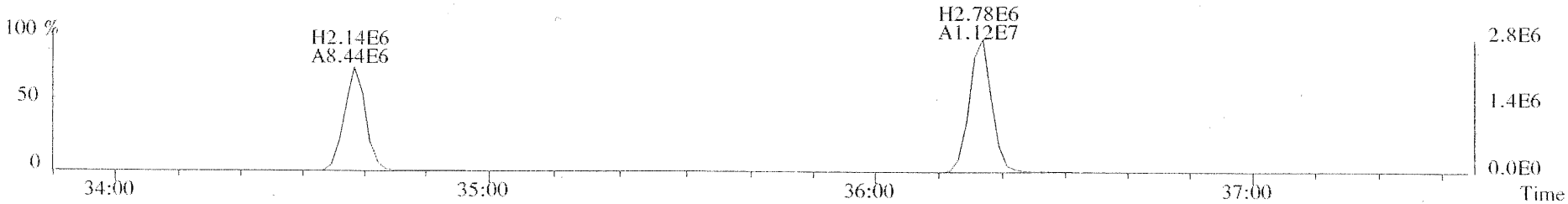
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



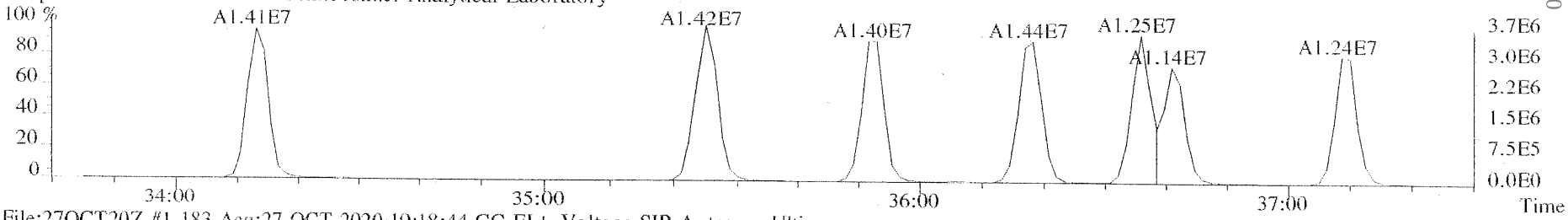
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



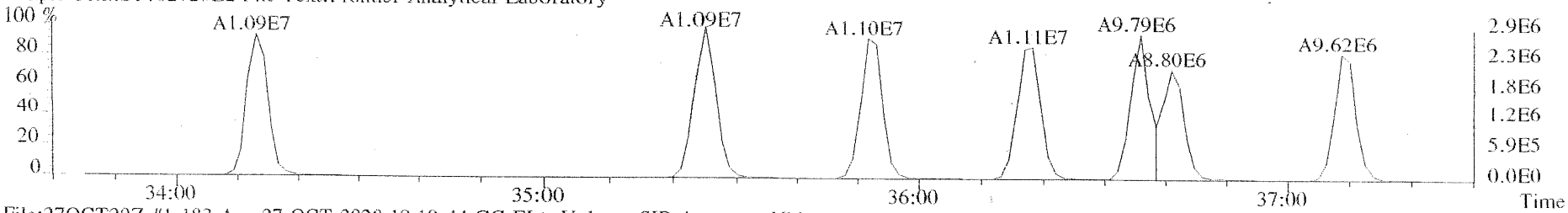
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



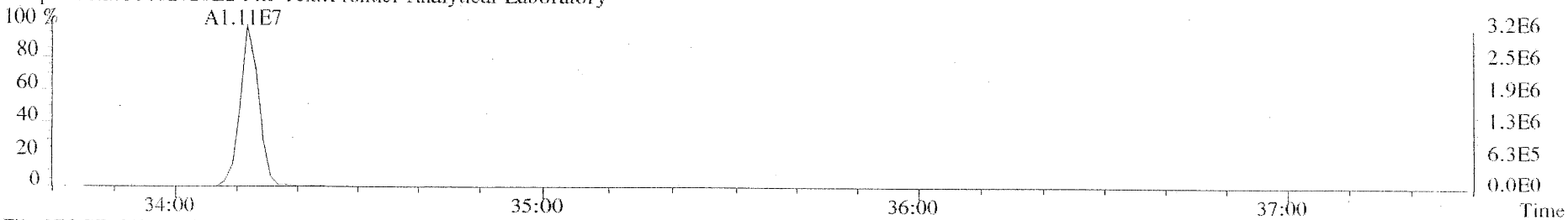
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



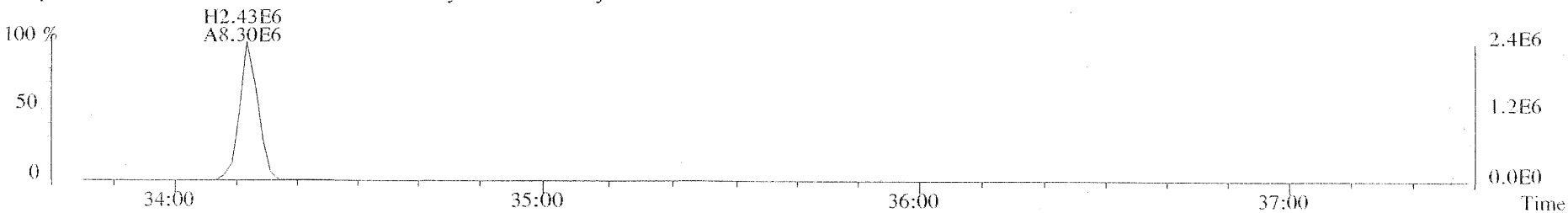
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



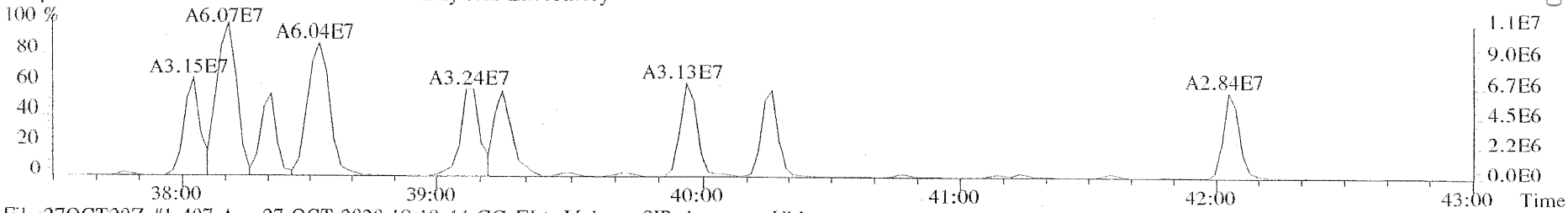
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



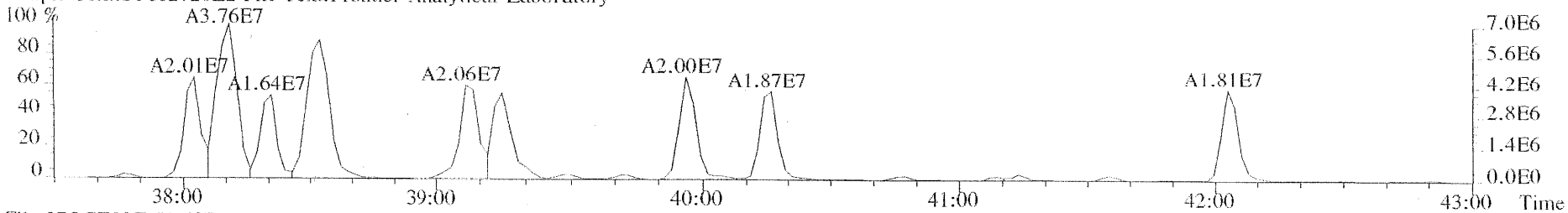
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



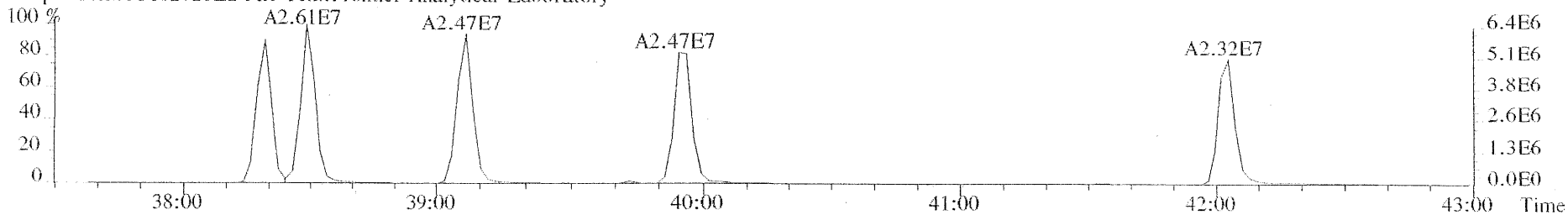
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



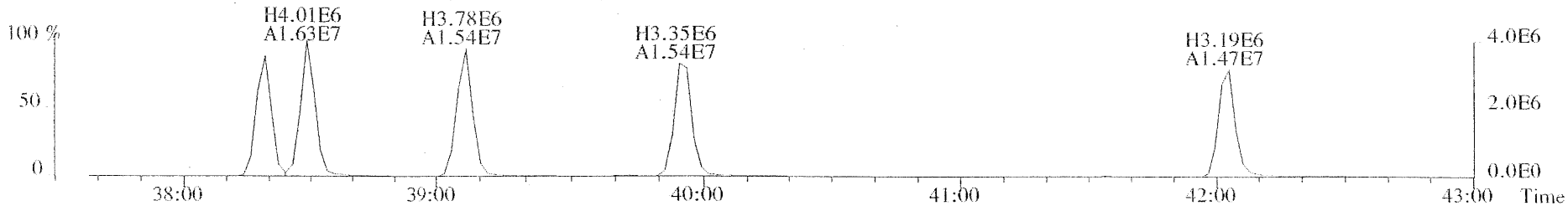
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



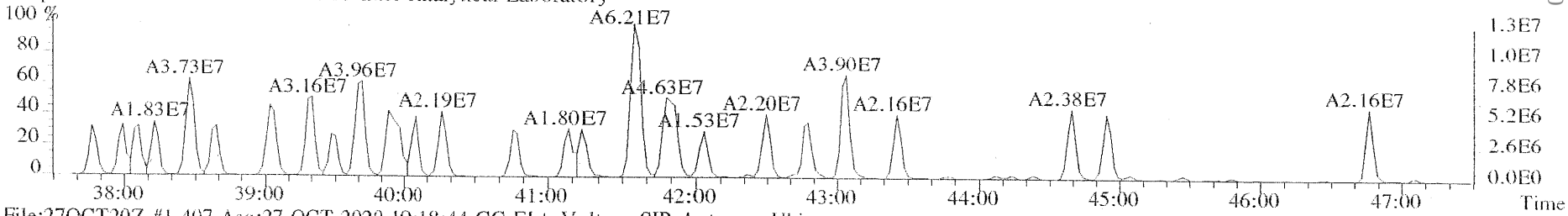
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



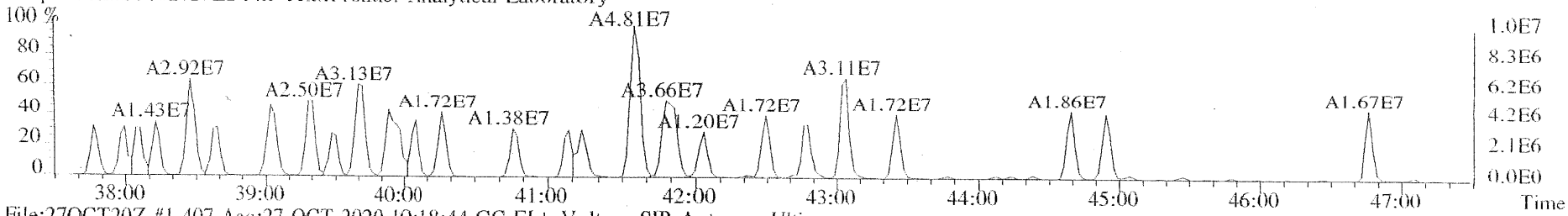
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



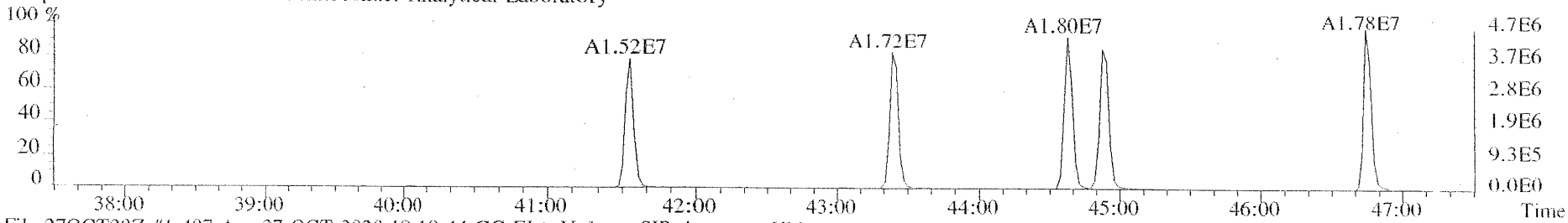
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



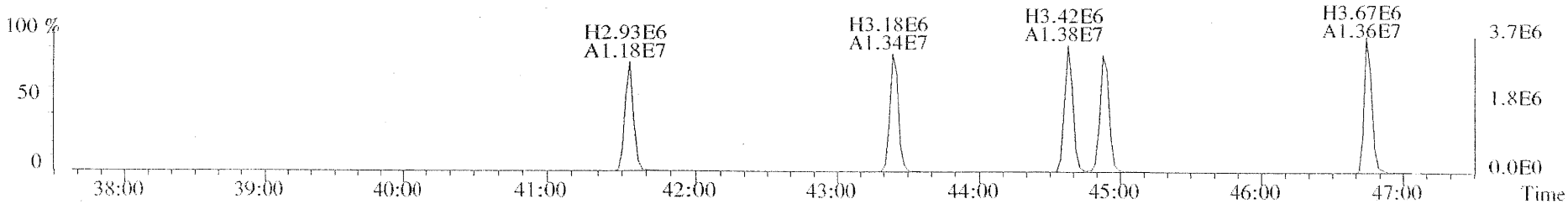
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



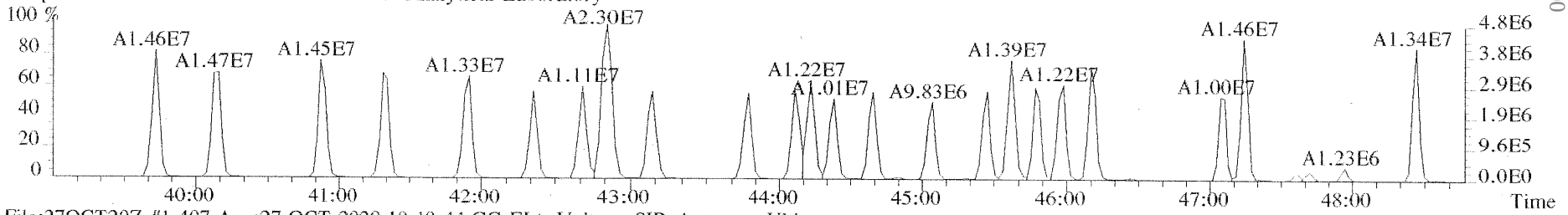
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



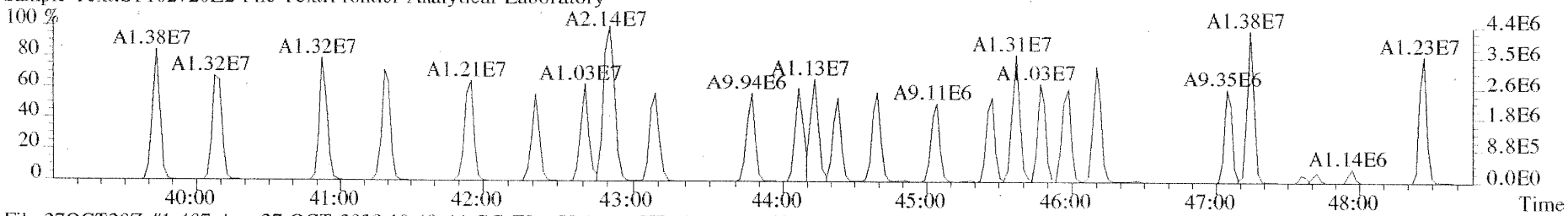
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



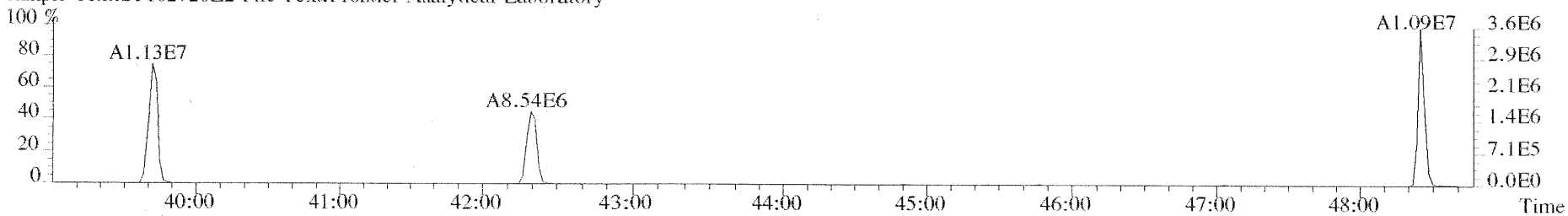
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



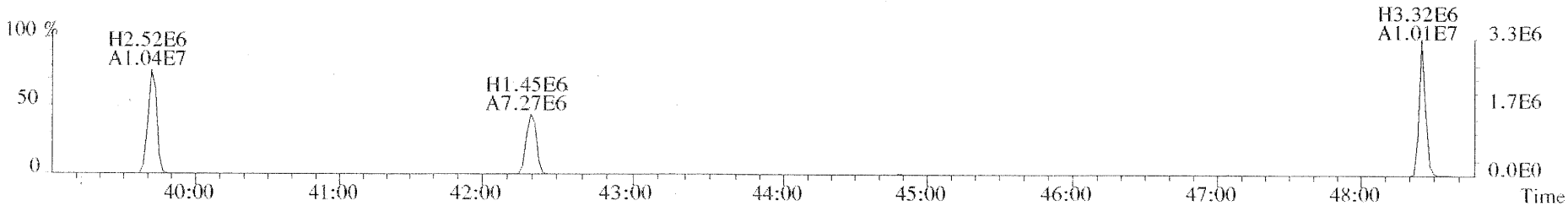
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



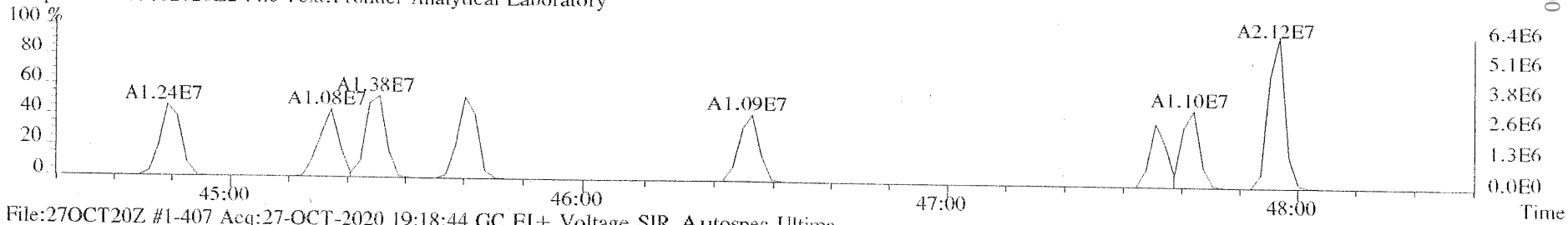
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



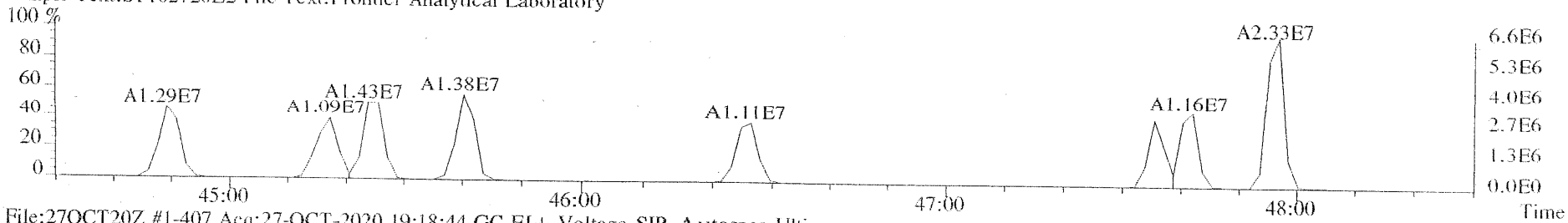
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



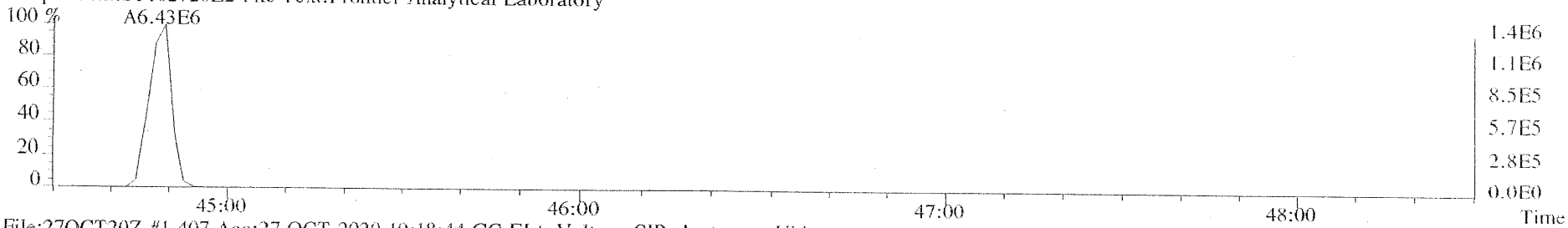
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



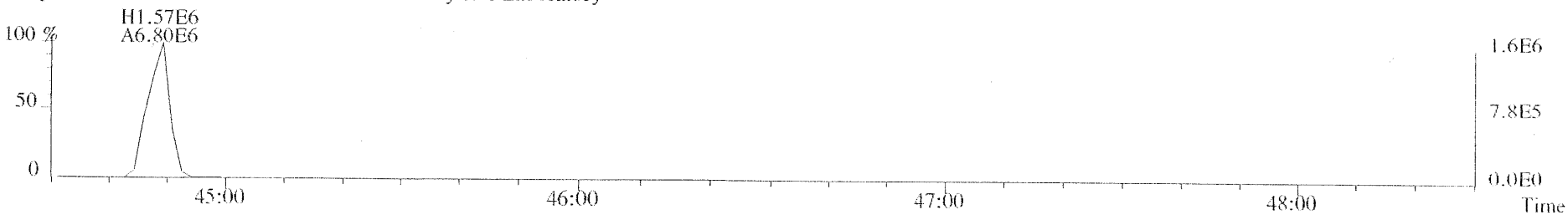
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



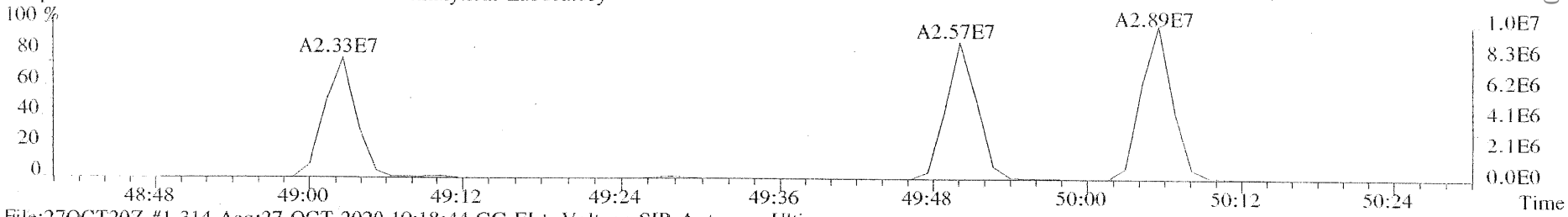
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



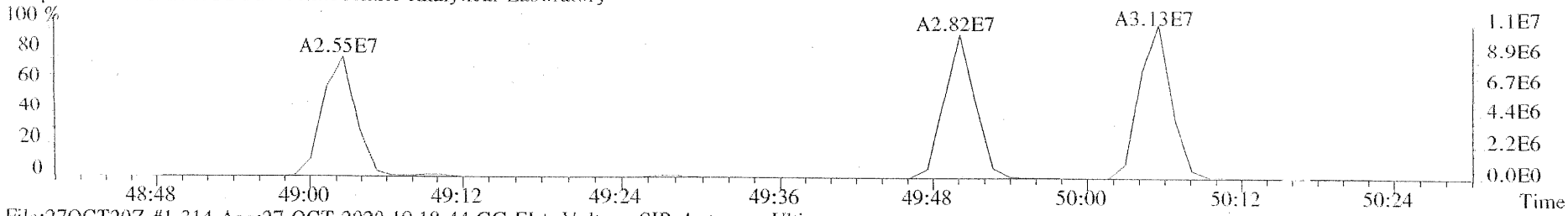
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



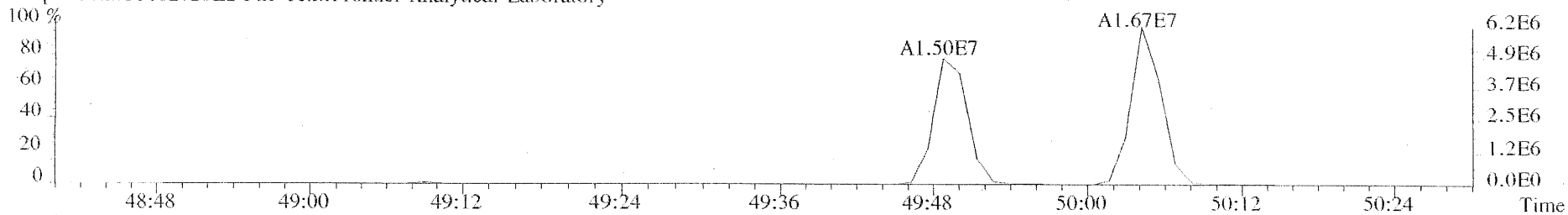
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



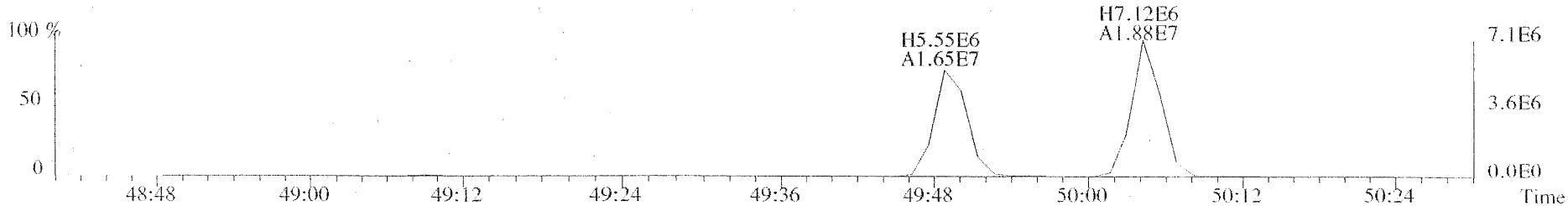
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



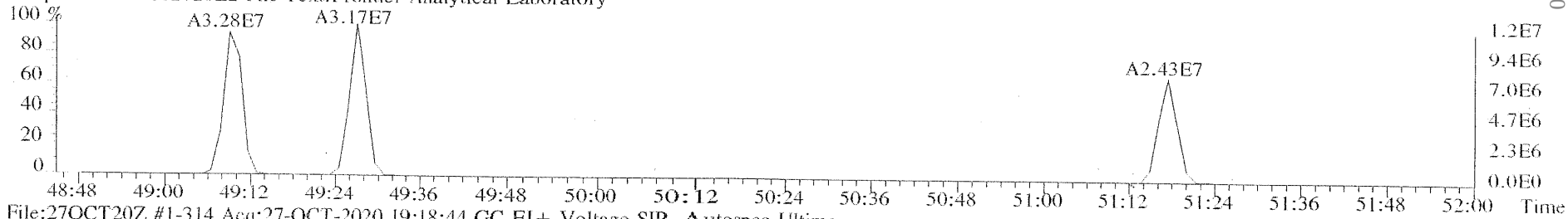
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



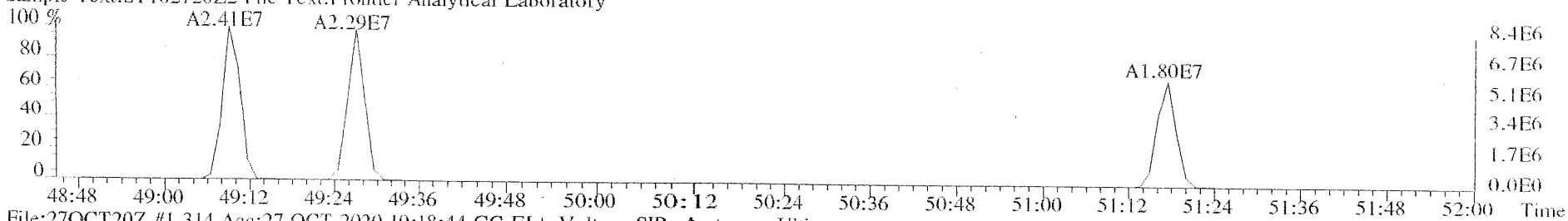
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



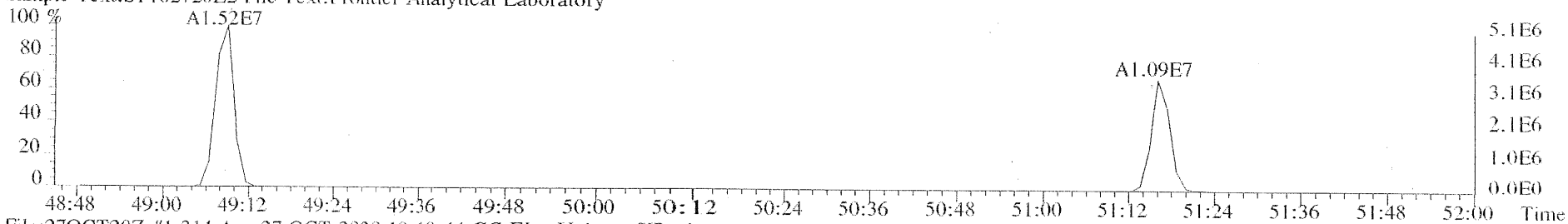
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



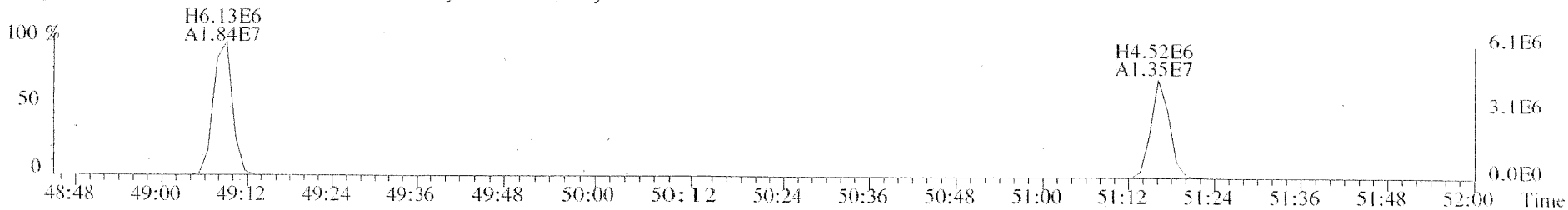
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



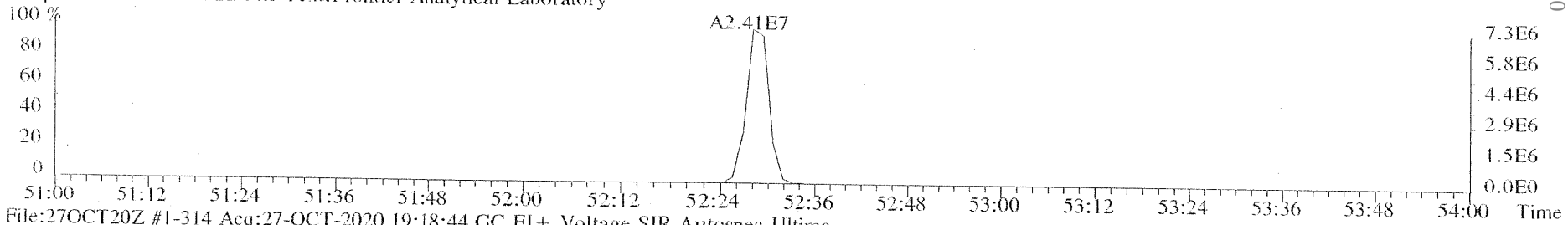
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



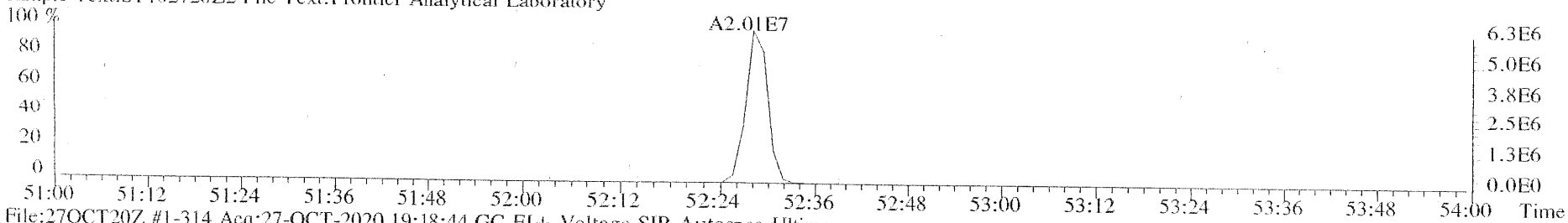
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



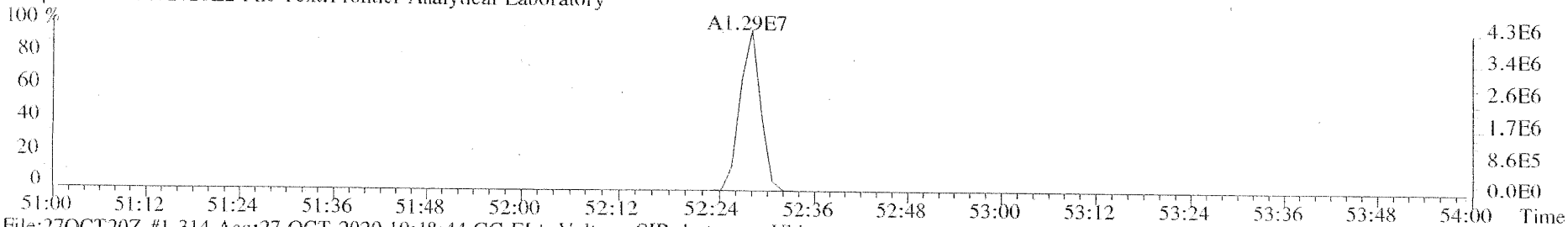
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



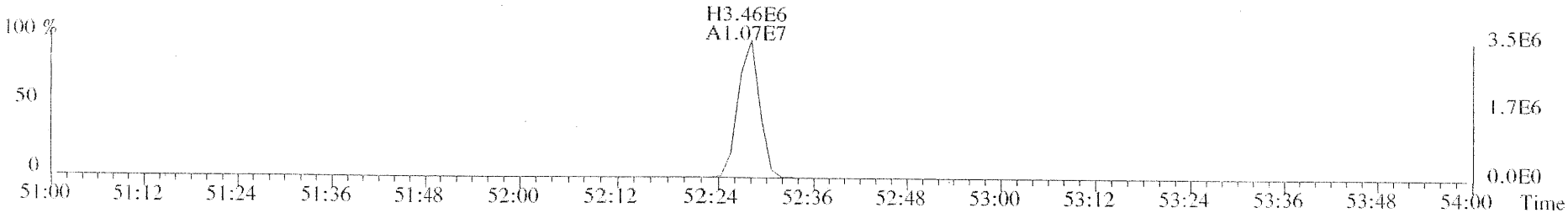
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



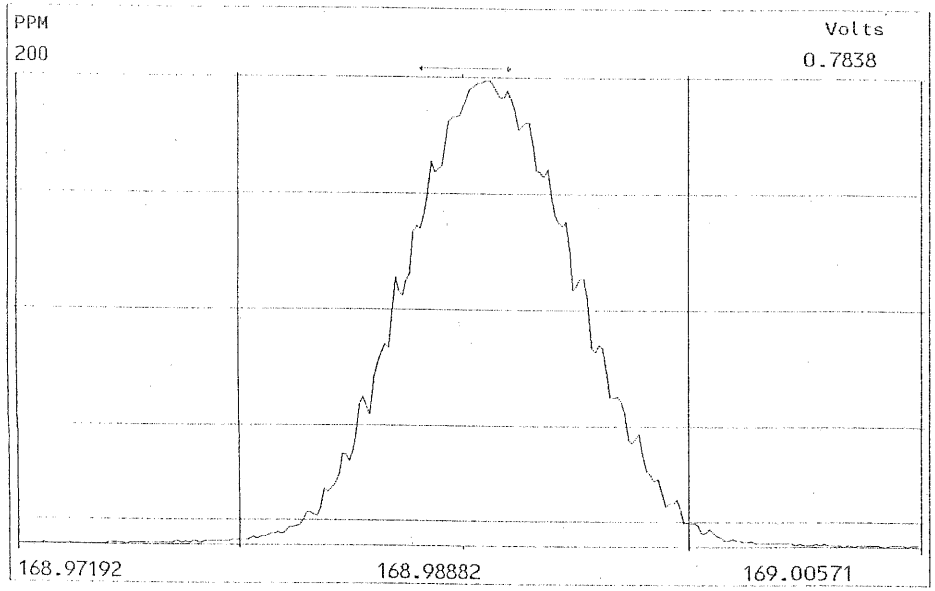
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

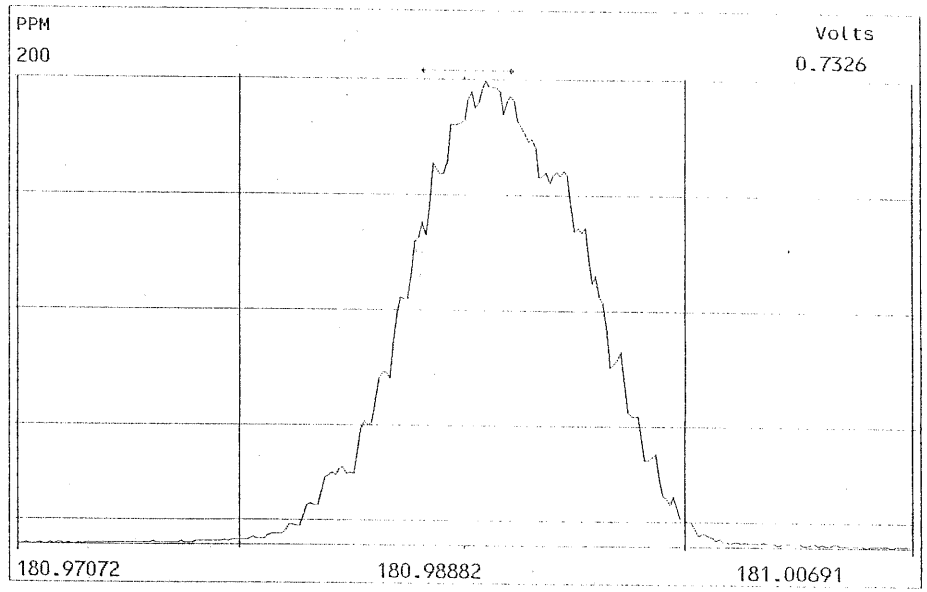


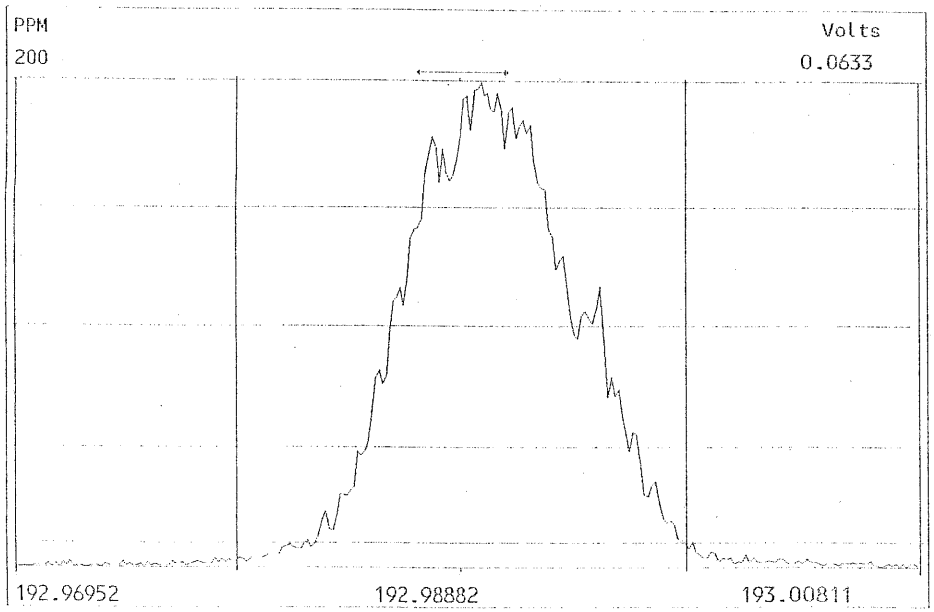
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

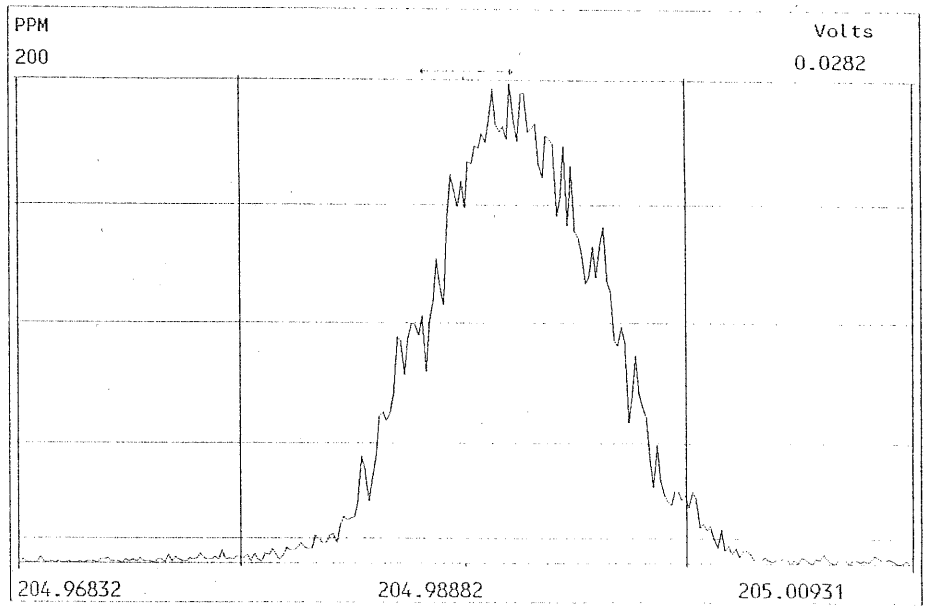


Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

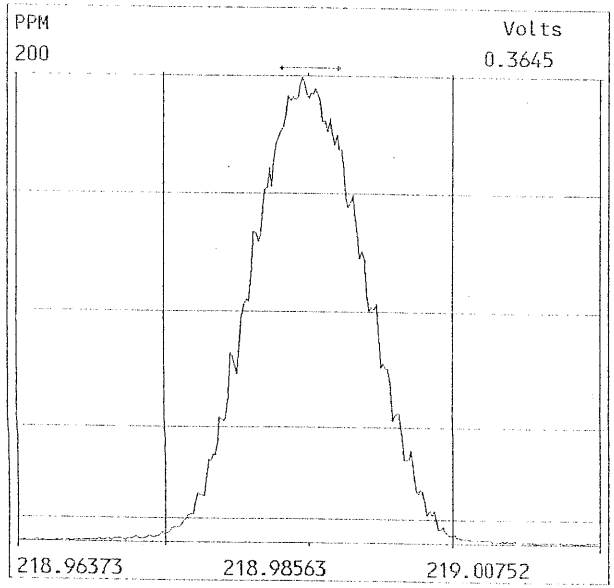


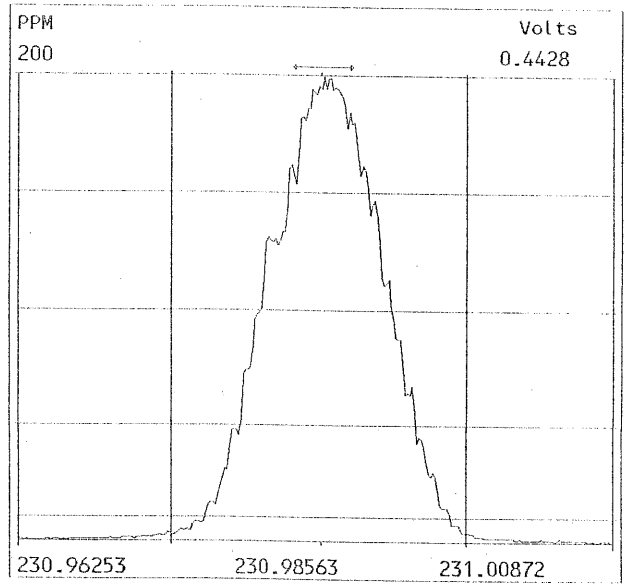


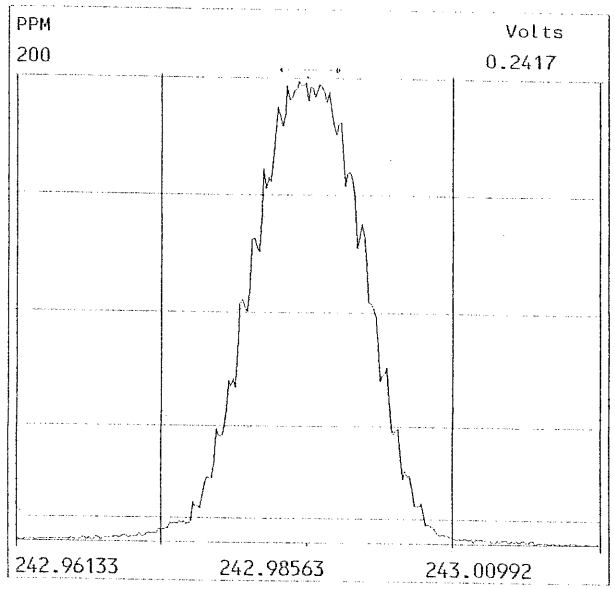


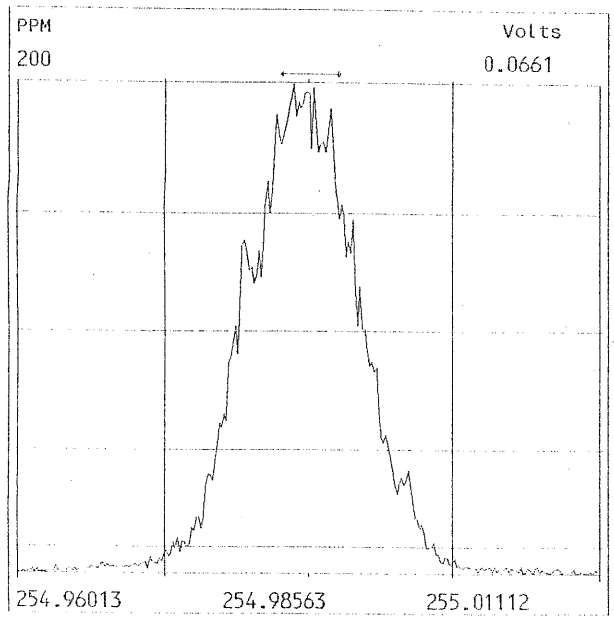


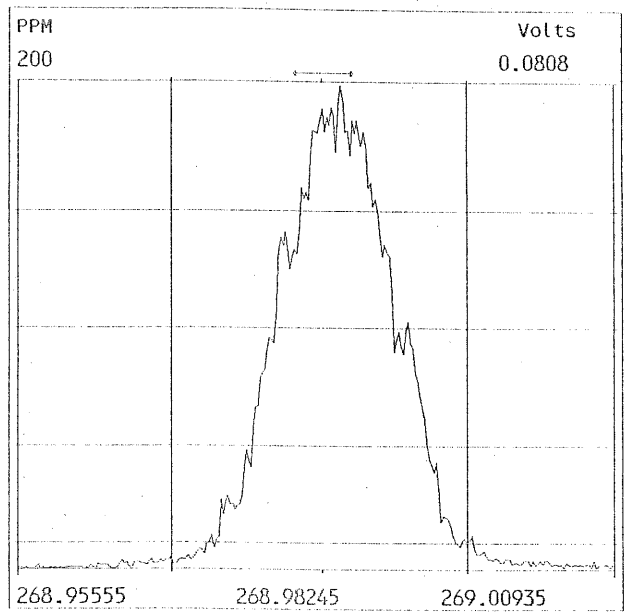
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

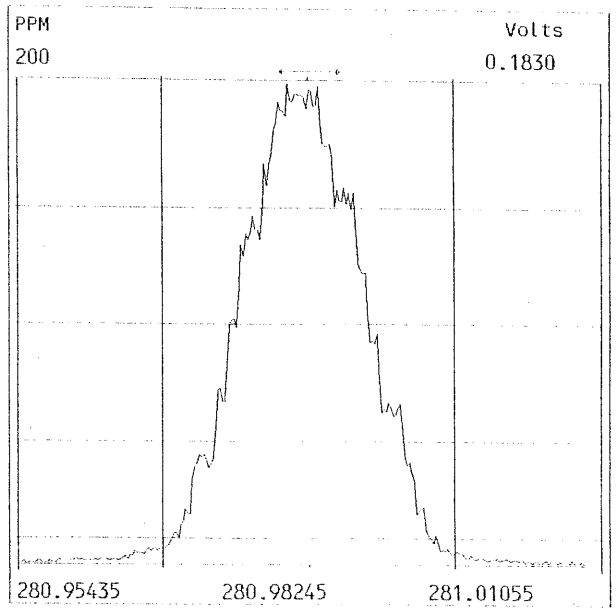




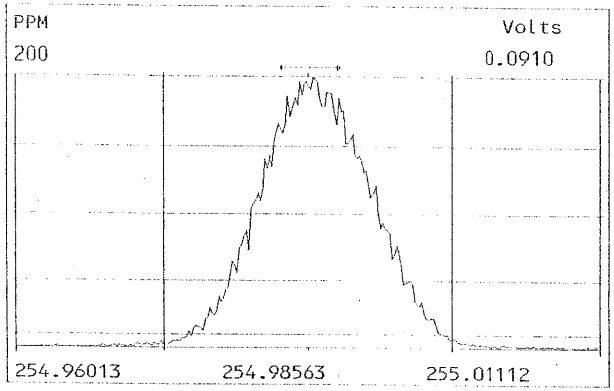


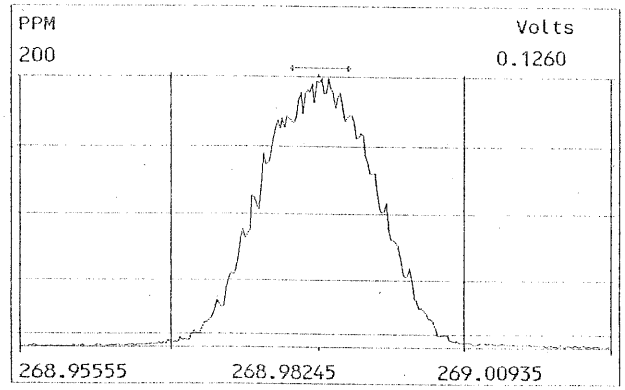


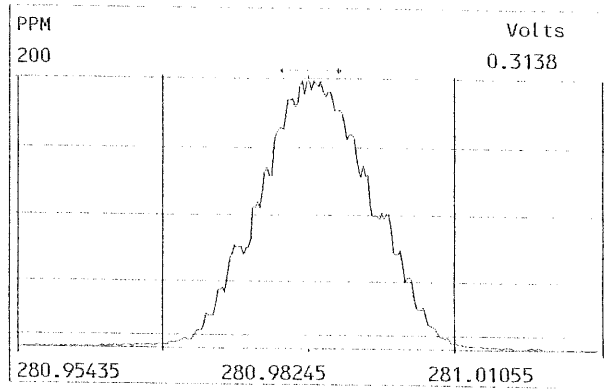


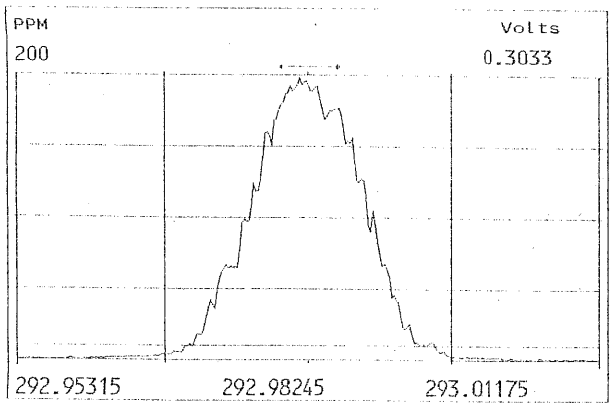


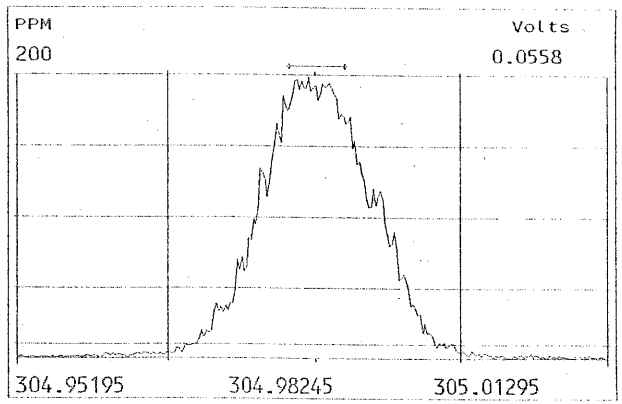
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

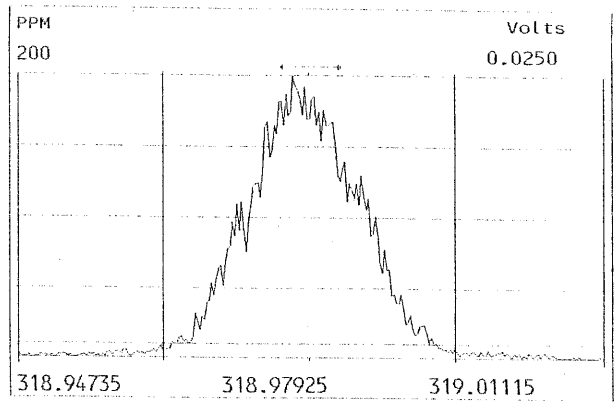


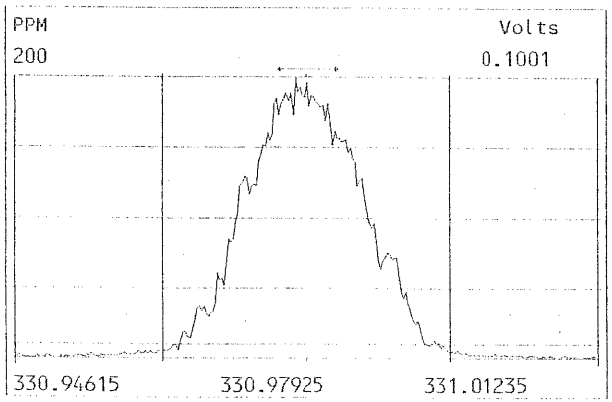


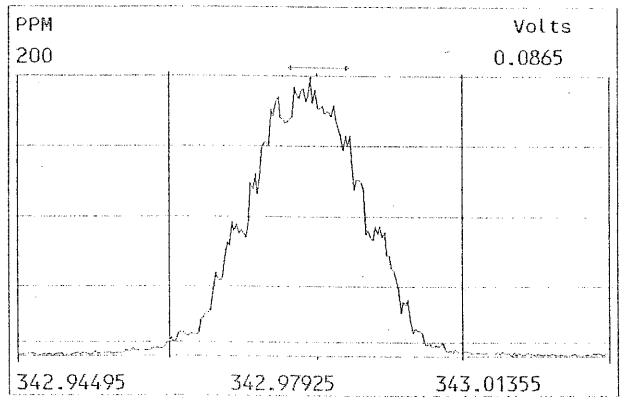




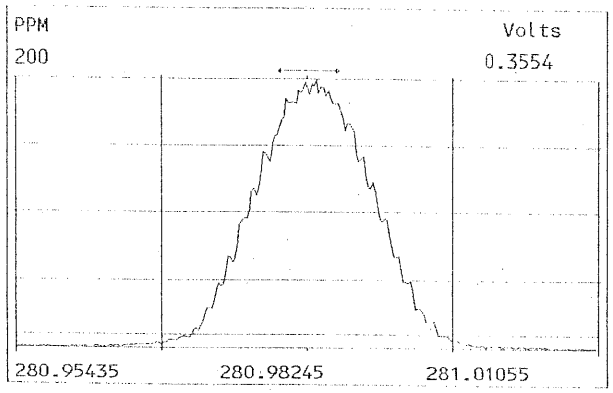


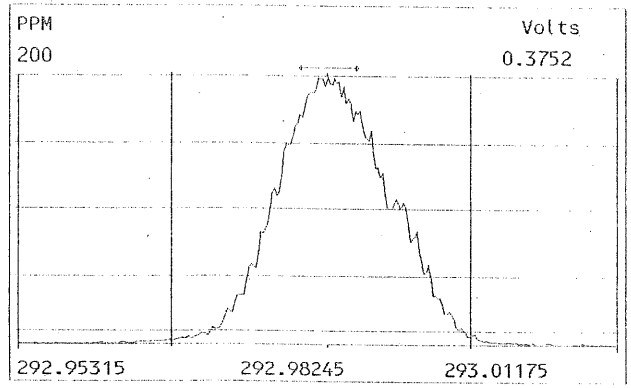


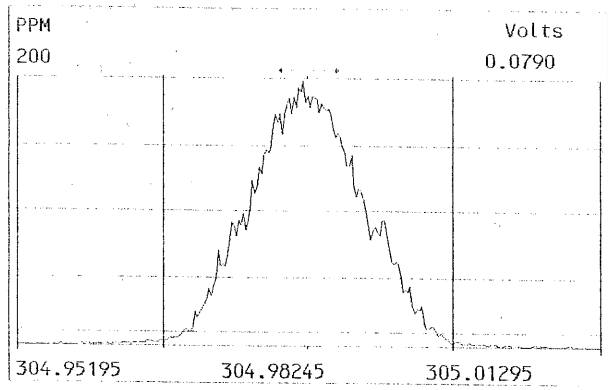


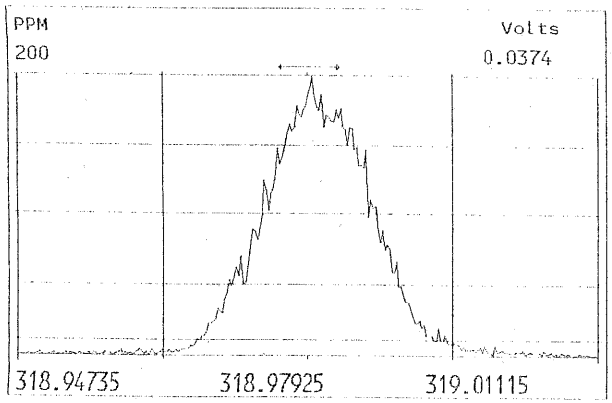


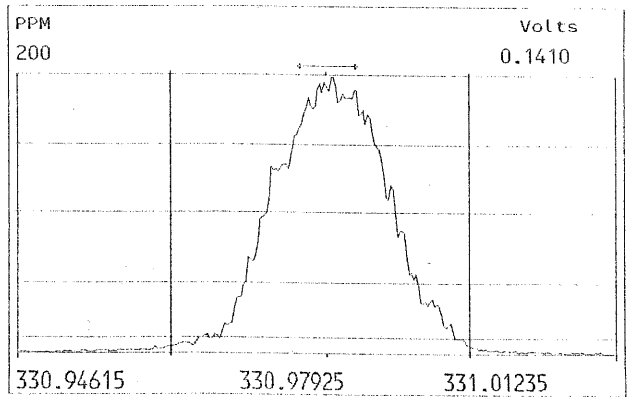
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

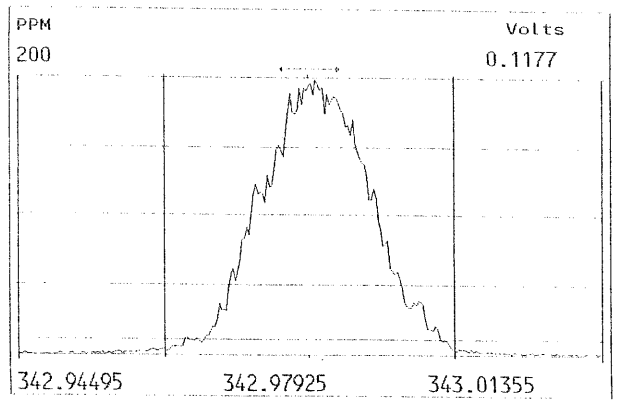


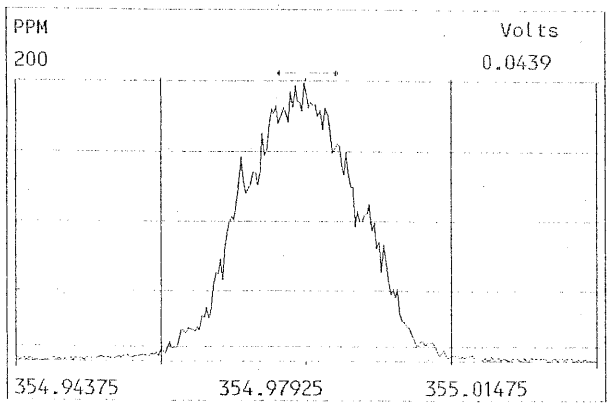


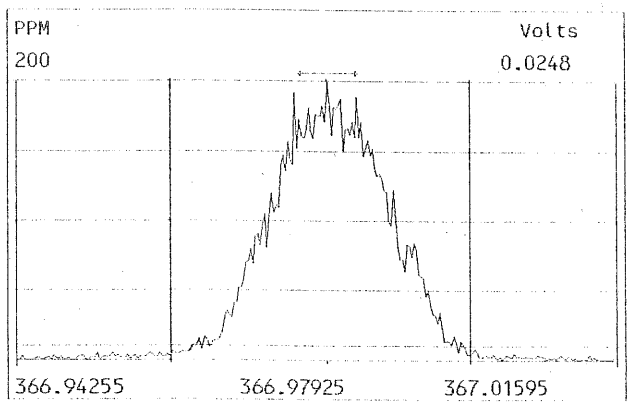


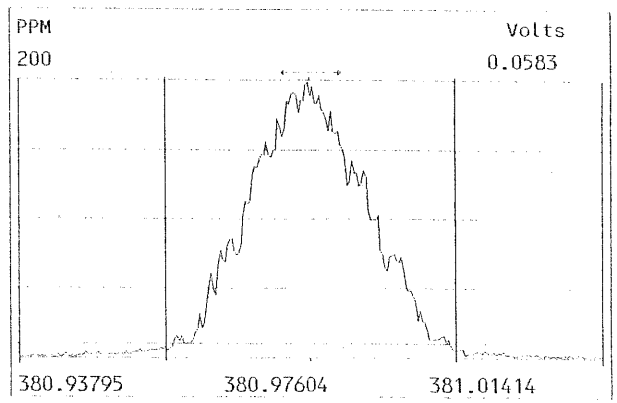




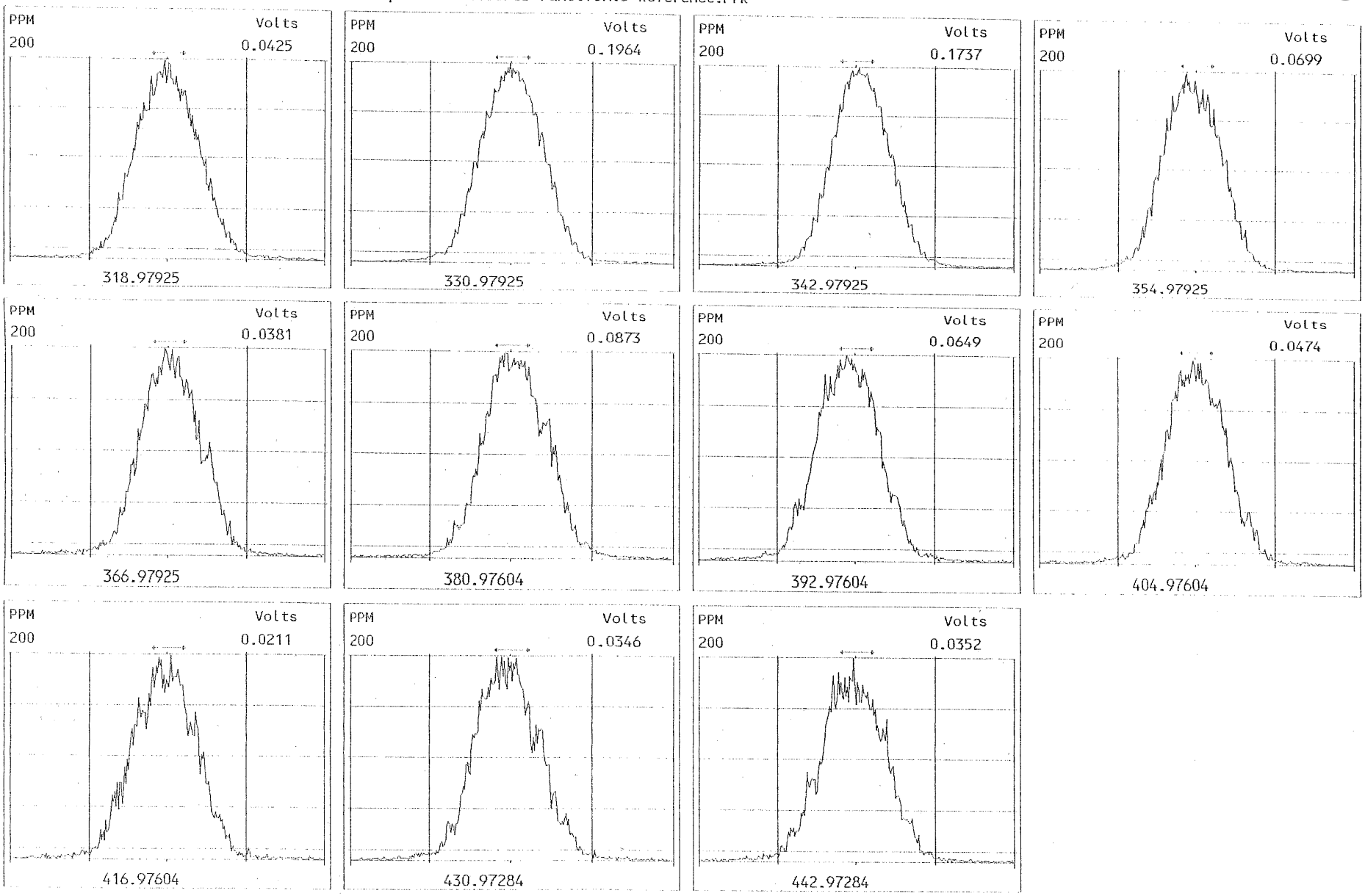




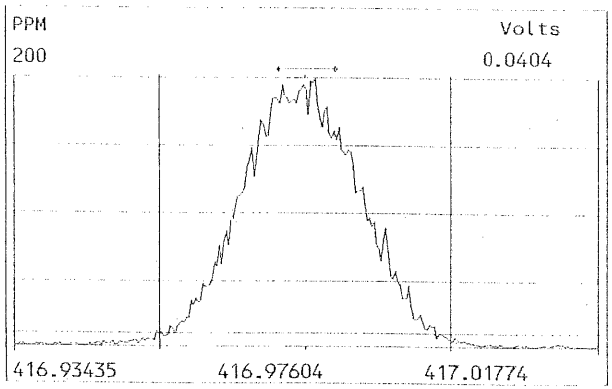


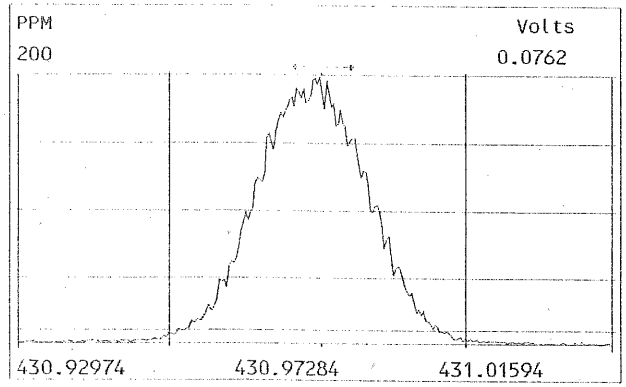


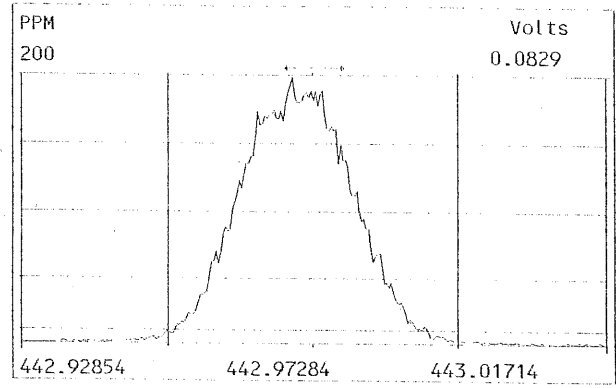
Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

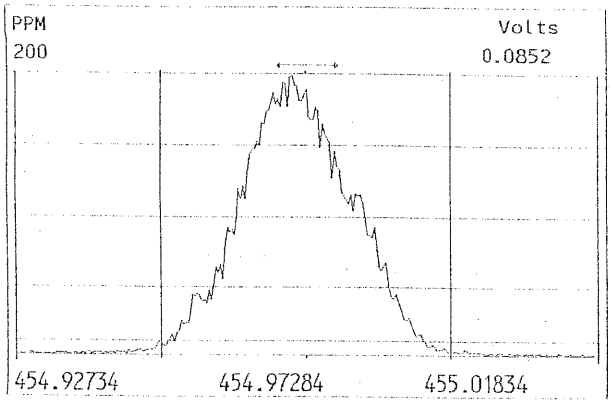


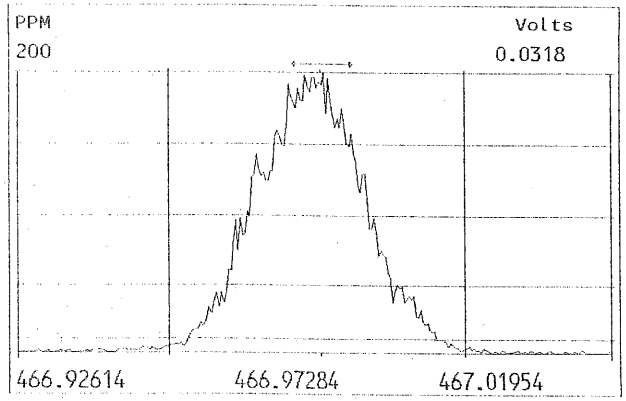
Peak Locate Examination:27-OCT-2020:20:58 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

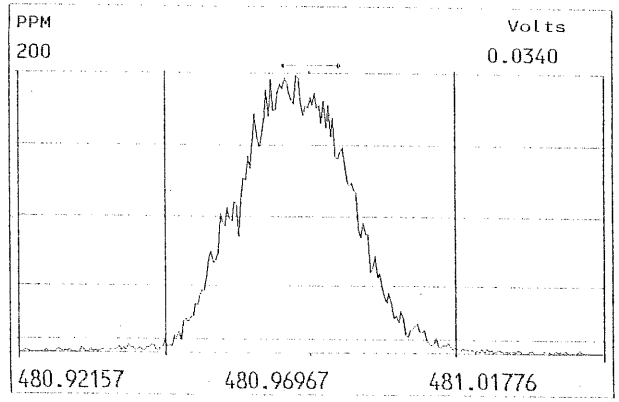


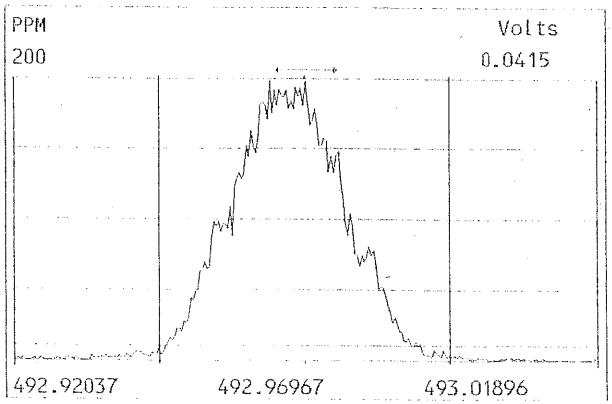


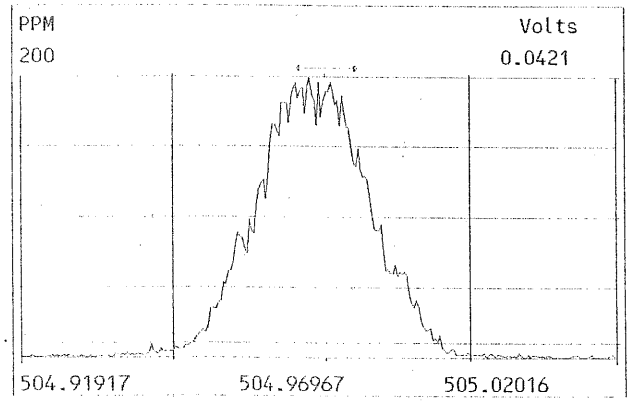


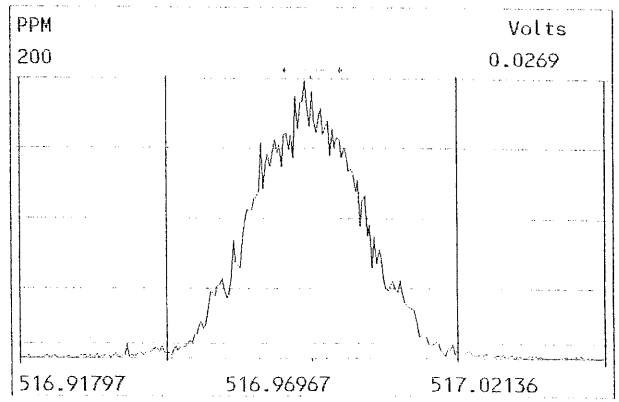












Cal: DAILY209FAL4-10-28-20

Run: 28OCT20Z Analyte: Results: 13376 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:28OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3410	-	1.34	
13C-PCB-1	0.8395	-	0.84	
PCB-2	1.3686	-	1.37	
PCB-3	1.3544	-	1.35	
13C-PCB-3	0.8001	-	0.80	
PCB-4	0.9950	-	1.00	
PCB-10	1.3761	-	1.38	
13C-PCB-4	0.6517	-	0.65	
PCB-9	1.3627	-	1.36	
PCB-7	1.3364	-	1.34	
PCB-6	1.3141	-	1.31	
PCB-8	1.2670	-	1.27	
PCB-5	1.2981	-	1.30	
PCB-14	1.2783	-	1.28	
PCB-11	1.2140	-	1.21	
PCB-13	1.2154	-	1.22	
PCB-12	1.2316	-	1.23	
PCB-15	1.1212	-	1.12	
13C-PCB-15	0.9373	-	0.94	
PCB-19	1.4843	-	1.48	
PCB-30	2.1620	-	2.16	
PCB-18	1.5045	-	1.50	
PCB-17	1.6005	-	1.60	
PCB-27	2.0678	-	2.07	
PCB-24	2.0792	-	2.08	
PCB-16	1.7242	-	1.72	
PCB-32	1.8185	-	1.82	
13C-PCB-19	0.3725	-	0.37	
13C-PCB-9	-	-	-	
PCB-34	1.0852	-	1.09	
PCB-23	1.0570	-	1.06	
PCB-29	1.1063	-	1.11	
PCB-26	1.0891	-	1.09	
PCB-25	1.0530	-	1.05	
PCB-31	1.0513	-	1.05	
PCB-28	1.3196	-	1.32	
PCB-20	1.0646	-	1.06	Co-elute PCB 21/33
PCB-21	1.0646	-	1.06	Co-elute PCB 20/33
PCB-33	1.0646	-	1.06	Co-elute PCB 20/21
PCB-22	1.1512	-	1.15	
PCB-36	1.0931	-	1.09	
PCB-39	1.1222	-	1.12	
PCB-38	1.1310	-	1.13	
PCB-35	1.0916	-	1.09	
PCB-37	1.1267	-	1.13	
13C-PCB-37	1.6383	-	1.64	

PCB-54	1.3202	-	1.32	
PCB-50	1.0873	-	1.09	
PCB-53	1.0341	-	1.03	
PCB-51	1.0457	-	1.05	
PCB-45	0.9218	-	0.92	
PCB-46	0.8734	-	0.87	
PCB-52	1.1328	-	1.13	Co-elute PCB 69
PCB-69	1.1328	-	1.13	Co-elute PCB 52
PCB-73	1.3074	-	1.31	
PCB-43	0.9893	-	0.99	Co-elute PCB 49
PCB-49	0.9893	-	0.99	Co-elute PCB 43
PCB-47	1.0730	-	1.07	
PCB-48	1.2591	-	1.26	Co-elute PCB 75
PCB-75	1.2591	-	1.26	Co-elute PCB 48
PCB-65	1.2823	-	1.28	
PCB-62	1.2888	-	1.29	
PCB-44	0.8604	-	0.86	
PCB-42	1.1036	-	1.10	Co-elute PCB 59
PCB-59	1.1036	-	1.10	Co-elute PCB 42
PCB-72	1.2168	-	1.22	Co-elute PCB 41/71/64
PCB-41	1.2168	-	1.22	Co-elute PCB 72/71/64
PCB-71	1.2168	-	1.22	Co-elute PCB 72/41/64
PCB-64	1.2168	-	1.22	Co-elute PCB 72/41/71
PCB-68	1.3986	-	1.40	
PCB-40	0.7912	-	0.79	
PCB-57	1.2988	-	1.30	
PCB-67	1.3000	-	1.30	
PCB-58	1.2672	-	1.27	
PCB-63	1.3005	-	1.30	
PCB-74	1.2982	-	1.30	
PCB-61	1.1791	-	1.18	Co-elute PCB 70
PCB-70	1.1791	-	1.18	Co-elute PCB 61
PCB-76	1.3326	-	1.33	Co-elute PCB 66
PCB-66	1.3326	-	1.33	Co-elute PCB 76
PCB-80	1.5466	-	1.55	
PCB-55	1.3251	-	1.33	
13C-PCB-54	1.1405	-	1.14	
PCB-104	1.2742	-	1.27	
PCB-96	1.1971	-	1.20	
PCB-103	1.0259	-	1.03	
PCB-100	1.0325	-	1.03	
PCB-94	0.8549	-	0.85	
PCB-98	0.8544	-	0.85	Co-elute PCB 102
PCB-102	0.8544	-	0.85	Co-elute PCB 98
PCB-95	0.9135	-	0.91	
PCB-93	0.9096	-	0.91	
PCB-88	0.9496	-	0.95	Co-elute PCB 91
PCB-91	0.9496	-	0.95	Co-elute PCB 88
PCB-121	1.1554	-	1.16	
13C-PCB-104	0.7134	-	0.71	
13C-PCB-28	1.9067	-	1.91	
13C-PCB-52	-	-	-	

PCB-56	1.1434	-	1.14	Co-elute PCB 60
PCB-60	1.1434	-	1.14	Co-elute PCB 56
PCB-79	1.1968	-	1.20	
PCB-78	1.1652	-	1.17	
PCB-81	1.2425	-	1.24	
13C-PCB-81	1.6974	-	1.70	
PCB-77	1.0944	-	1.09	
13C-PCB-77	1.7656	-	1.77	
PCB-155	1.2076	-	1.21	
PCB-150	1.1642	-	1.16	
PCB-152	1.1615	-	1.16	
PCB-145	1.1661	-	1.17	
PCB-136	1.0510	-	1.05	
PCB-148	0.9590	-	0.96	
PCB-154	0.9975	-	1.00	
13C-PCB-155	0.9494	-	0.95	
13C-PCB-111	1.2580	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.7079	-	0.71	Co-elute PCB 92
PCB-92	0.7079	-	0.71	Co-elute PCB 84
PCB-89	0.7149	-	0.71	
PCB-90	0.7967	-	0.80	Co-elute PCB 101
PCB-101	0.7967	-	0.80	Co-elute PCB 90
PCB-113	0.8561	-	0.86	
PCB-99	0.9065	-	0.91	
PCB-119	1.0130	-	1.01	
PCB-83	0.7955	-	0.80	Co-elute PCB 112
PCB-112	0.7955	-	0.80	Co-elute PCB 83
PCB-109	0.9882	-	0.99	
PCB-97	0.6773	-	0.68	
PCB-86	0.6446	-	0.64	
PCB-125	0.9211	-	0.92	Co-elute PCB 87/117
PCB-87	0.9211	-	0.92	Co-elute PCB 125/117
PCB-117	0.9211	-	0.92	Co-elute PCB 125/87
PCB-111	1.0077	-	1.01	Co-elute PCB 115
PCB-115	1.0077	-	1.01	Co-elute PCB 111
PCB-85	0.8774	-	0.88	Co-elute PCB 116
PCB-116	0.8774	-	0.88	Co-elute PCB 85
PCB-120	1.0444	-	1.04	
PCB-110	0.9830	-	0.98	
PCB-82	0.6149	-	0.61	
PCB-124	1.0959	-	1.10	
PCB-108	1.1294	-	1.13	Co-elute PCB 107
PCB-107	1.1294	-	1.13	Co-elute PCB 108
PCB-123	1.0088	-	1.01	
13C-PCB-123	1.3304	-	1.33	
PCB-118	1.0805	-	1.08	Co-elute PCB 106
PCB-106	1.0805	-	1.08	Co-elute PCB 118
13C-PCB-118	1.4314	-	1.43	
PCB-114	1.1293	-	1.13	
13C-PCB-114	1.3903	-	1.39	
PCB-122	1.1168	-	1.12	
PCB-105	1.1699	-	1.17	
13C-PCB-105	1.3626	-	1.36	
PCB-127	1.0836	-	1.08	
PCB-126	1.1150	-	1.12	
13C-PCB-126	1.2985	-	1.30	

PCB-151	0.9871	-	0.99	
PCB-135	0.9559	-	0.96	
PCB-144	1.0317	-	1.03	
PCB-147	1.0826	-	1.08	
PCB-139	1.0676	-	1.07	Co-elute PCB 149
PCB-149	1.0676	-	1.07	Co-elute PCB 139
PCB-140	1.0775	-	1.08	
PCB-143	0.8751	-	0.88	Co-elute PCB 134
PCB-134	0.8751	-	0.88	Co-elute PCB 143
PCB-131	0.8712	-	0.87	Co-elute PCB 133
PCB-133	0.8712	-	0.87	Co-elute PCB 131
PCB-142	0.9068	-	0.91	
PCB-165	1.1488	-	1.15	Co-elute PCB 146
PCB-146	1.1488	-	1.15	Co-elute PCB 165
PCB-161	1.0877	-	1.09	Co-elute PCB 132
PCB-132	1.0877	-	1.09	Co-elute PCB 161
PCB-153	1.1873	-	1.19	
PCB-168	1.2610	-	1.26	
PCB-141	0.9834	-	0.98	
PCB-137	0.9309	-	0.93	
PCB-130	0.9303	-	0.93	
PCB-138	1.1655	-	1.17	Co-elute PCB 163/164
PCB-163	1.1655	-	1.17	Co-elute PCB 138/164
PCB-164	1.1655	-	1.17	Co-elute PCB 138/163
PCB-158	1.3196	-	1.32	Co-elute PCB 160
PCB-160	1.3196	-	1.32	Co-elute PCB 158
PCB-129	0.8600	-	0.86	
PCB-166	1.2624	-	1.26	
PCB-159	1.3486	-	1.35	
PCB-128	1.0934	-	1.09	Co-elute PCB 162
PCB-162	1.0934	-	1.09	Co-elute PCB 128
PCB-167	1.2224	-	1.22	
13C-PCB-167	1.1089	-	1.11	
PCB-156	1.2587	-	1.26	
13C-PCB-156	1.1627	-	1.16	
PCB-157	1.2502	-	1.25	
13C-PCB-157	1.1346	-	1.13	
PCB-169	1.1970	-	1.20	
13C-PCB-169	1.0644	-	1.06	
PCB-188	1.2021	-	1.20	
13C-PCB-188	0.8775	-	0.88	

PCB-184	1.2983	-	1.30	
PCB-179	1.2413	-	1.24	
PCB-176	1.1938	-	1.19	
PCB-186	1.2333	-	1.23	
PCB-178	0.8817	-	0.88	
PCB-175	0.9238	-	0.92	
PCB-187	0.9933	-	0.99	Co-elute PCB 182
PCB-182	0.9933	-	0.99	Co-elute PCB 187
PCB-183	0.9854	-	0.99	
PCB-185	0.9222	-	0.92	
PCB-174	0.9105	-	0.91	
PCB-181	0.9513	-	0.95	
PCB-177	0.8542	-	0.85	
PCB-171	0.9191	-	0.92	
PCB-173	0.8064	-	0.81	
PCB-172	0.8507	-	0.85	
PCB-192	1.1024	-	1.10	
PCB-180	0.8724	-	0.87	
PCB-193	1.1781	-	1.18	
PCB-191	1.1203	-	1.12	
PCB-170	0.8530	-	0.85	
PCB-190	1.1195	-	1.12	
PCB-189	1.1877	-	1.19	
13C-PCB-189	0.8428	-	0.84	
PCB-202	1.1020	-	1.10	
PCB-201	1.1652	-	1.17	
PCB-204	1.2071	-	1.21	
PCB-197	1.1988	-	1.20	
PCB-200	1.1495	-	1.15	
PCB-198	0.8438	-	0.84	
PCB-199	0.9001	-	0.90	
PCB-203	0.9506	-	0.95	Co-elute PCB 196
PCB-196	0.9506	-	0.95	Co-elute PCB 203
13C-PCB-202	0.6104	-	0.61	
13C-PCB-178	0.6722	-	0.67	
13C-PCB-138	-	-	-	
PCB-195	0.8001	-	0.80	
PCB-194	0.9051	-	0.91	
PCB-205	1.0822	-	1.08	
13C-PCB-205	1.2452	-	1.25	
PCB-208	1.1058	-	1.11	
13C-PCB-208	0.9991	-	1.00	
PCB-207	1.2456	-	1.25	
PCB-206	1.1325	-	1.13	
13C-PCB-206	0.7834	-	0.78	
PCB-209	1.2613	-	1.26	
13C-PCB-209	0.7768	-	0.78	
13C-PCB-194	-	-	-	

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

Run #1 Filename 28OCT20Z S: 1 Acquired: 28-OCT-20 06:33:23 Cal: DAILY209FAL4-10-28-20
Client ID: ST102820Z1 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.37e+07	3.23 y	14:29	-	1.34	
2	IS/RT	13C-PCB-1	100.00	5.03e+07	3.31 y	14:28	-	0.839	
3	Unk	PCB-2	50.00	3.36e+07	3.25 y	16:41	-	1.37	
4	Unk	PCB-3	50.00	3.25e+07	3.21 y	16:54	-	1.35	
5	IS/RT	13C-PCB-3	100.00	4.80e+07	3.28 y	16:53	-	0.800	
6	Unk	PCB-4	50.00	1.94e+07	1.46 y	18:09	-	0.995	
7	Unk	PCB-10	50.00	3.28e+07	1.54 y	18:12	-	1.38	
8	IS/RT	13C-PCB-4	100.00	3.91e+07	1.56 y	18:07	-	0.652	
9	Unk	PCB-9	50.00	3.24e+07	1.51 y	19:50	-	1.36	
10	Unk	PCB-7	50.00	3.18e+07	1.50 y	19:51	-	1.34	
11	Unk	PCB-6	50.00	3.13e+07	1.55 y	20:26	-	1.31	
12	Unk	PCB-8	50.00	3.02e+07	1.47 y	20:49	-	1.27	
13	Unk	PCB-5	50.00	3.09e+07	1.54 y	20:51	-	1.30	
14	Unk	PCB-14	50.00	3.04e+07	1.50 y	21:52	-	1.28	
15	Unk	PCB-11	50.00	2.89e+07	1.49 y	23:00	-	1.21	
16	Unk	PCB-13	50.00	2.89e+07	1.48 y	23:19	-	1.22	
17	Unk	PCB-12	50.00	2.93e+07	1.49 y	23:23	-	1.23	
18	Unk	PCB-15	50.00	3.15e+07	1.42 y	23:39	-	1.12	
19	IS/RT	13C-PCB-15	100.00	5.62e+07	1.60 y	23:38	-	0.937	
20	Unk	PCB-19	50.00	1.66e+07	1.09 y	22:01	-	1.48	
21	Unk	PCB-30	50.00	2.41e+07	1.08 y	22:52	-	2.16	
22	Unk	PCB-18	50.00	1.68e+07	1.08 y	23:34	-	1.50	
23	Unk	PCB-17	50.00	1.79e+07	1.08 y	23:44	-	1.60	
24	Unk	PCB-27	50.00	2.31e+07	1.06 y	24:16	-	2.07	
25	Unk	PCB-24	50.00	2.32e+07	1.08 y	24:17	-	2.08	
26	Unk	PCB-16	50.00	1.92e+07	1.09 y	24:45	-	1.72	
27	Unk	PCB-32	50.00	2.03e+07	1.08 y	24:46	-	1.82	
28	IS/RT	13C-PCB-19	100.00	2.23e+07	1.10 y	22:00	-	0.373	
29	RS	13C-PCB-9	100.00	5.99e+07	1.60 y	19:47	5.99e+05	-	
30	Unk	PCB-34	50.00	2.57e+07	0.99 y	25:31	-	1.09	
31	Unk	PCB-23	50.00	2.50e+07	1.01 y	25:36	-	1.06	
32	Unk	PCB-29	50.00	2.62e+07	1.01 y	25:50	-	1.11	
33	Unk	PCB-26	50.00	2.58e+07	1.03 y	26:03	-	1.09	
34	Unk	PCB-25	50.00	2.49e+07	1.04 y	26:12	-	1.05	
35	Unk	PCB-31	50.00	2.49e+07	1.03 y	26:32	-	1.05	
36	Unk	PCB-28	50.00	3.13e+07	1.05 y	26:38	-	1.32	
37	Unk	PCB-20	150.00	7.56e+07	1.02 y	27:13	-	1.06	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	7.56e+07	1.02 y	27:13	-	1.06	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	7.56e+07	1.02 y	27:13	-	1.06	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	2.73e+07	1.03 y	27:39	-	1.15	
41	Unk	PCB-36	50.00	2.59e+07	1.01 y	28:13	-	1.09	
42	Unk	PCB-39	50.00	2.66e+07	1.02 y	28:41	-	1.12	
43	Unk	PCB-38	50.00	2.68e+07	1.11 y	29:25	-	1.13	
44	Unk	PCB-35	50.00	2.59e+07	1.03 y	29:54	-	1.09	
45	Unk	PCB-37	50.00	2.67e+07	1.01 y	30:20	-	1.13	
46	IS	13C-PCB-37	100.00	4.74e+07	1.06 y	30:18	-	1.64	

47	Unk	PCB-54	100.00	4.35e+07	0.78 y	25:34	-	1.32	
48	Unk	PCB-50	100.00	3.58e+07	0.79 y	26:40	-	1.09	
49	Unk	PCB-53	100.00	3.41e+07	0.79 y	27:16	-	1.03	
50	Unk	PCB-51	100.00	3.45e+07	0.79 y	27:37	-	1.05	
51	Unk	PCB-45	100.00	3.04e+07	0.80 y	28:02	-	0.922	
52	Unk	PCB-46	100.00	2.88e+07	0.80 y	28:30	-	0.873	
53	Unk	PCB-52	200.00	7.47e+07	0.79 y	28:56	-	1.13	Co-elute PCB 69
54	Unk	PCB-69	200.00	7.47e+07	0.79 y	28:56	-	1.13	Co-elute PCB 52
55	Unk	PCB-73	100.00	4.31e+07	0.80 y	29:03	-	1.31	
56	Unk	PCB-43	200.00	6.52e+07	0.79 y	29:13	-	0.989	Co-elute PCB 49
57	Unk	PCB-49	200.00	6.52e+07	0.79 y	29:13	-	0.989	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.54e+07	0.85 y	29:24	-	1.07	
59	Unk	PCB-48	200.00	8.30e+07	0.78 y	29:30	-	1.26	Co-elute PCB 75
60	Unk	PCB-75	200.00	8.30e+07	0.78 y	29:30	-	1.26	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.23e+07	0.78 y	29:47	-	1.28	
62	Unk	PCB-62	100.00	4.25e+07	0.80 y	29:53	-	1.29	
63	Unk	PCB-44	100.00	2.84e+07	0.80 y	30:10	-	0.860	
64	Unk	PCB-42	200.00	7.28e+07	0.79 y	30:22	-	1.10	Co-elute PCB 59
65	Unk	PCB-59	200.00	7.28e+07	0.79 y	30:22	-	1.10	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.60e+08	0.80 y	30:56	-	1.22	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.60e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.60e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.60e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	4.61e+07	0.80 y	31:10	-	1.40	
71	Unk	PCB-40	100.00	2.61e+07	0.80 y	31:23	-	0.791	
72	Unk	PCB-57	100.00	4.28e+07	0.80 y	31:43	-	1.30	
73	Unk	PCB-67	100.00	4.29e+07	0.78 y	32:01	-	1.30	
74	Unk	PCB-58	100.00	4.18e+07	0.80 y	32:07	-	1.27	
75	Unk	PCB-63	100.00	4.29e+07	0.80 y	32:17	-	1.30	
76	Unk	PCB-74	100.00	4.28e+07	0.79 y	32:34	-	1.30	
77	Unk	PCB-61	200.00	7.78e+07	0.79 y	32:45	-	1.18	Co-elute PCB 70
78	Unk	PCB-70	200.00	7.78e+07	0.79 y	32:45	-	1.18	Co-elute PCB 61
79	Unk	PCB-76	200.00	8.79e+07	0.80 y	32:56	-	1.33	Co-elute PCB 66
80	Unk	PCB-66	200.00	8.79e+07	0.80 y	32:56	-	1.33	Co-elute PCB 76
81	Unk	PCB-80	100.00	5.10e+07	0.80 y	33:09	-	1.55	
82	Unk	PCB-55	100.00	4.37e+07	0.80 y	33:28	-	1.33	
83	IS/RT	13C-PCB-54	100.00	3.30e+07	0.83 y	25:33	-	1.14	
84	Unk	PCB-104	100.00	2.63e+07	1.60 y	30:02	-	1.27	
85	Unk	PCB-96	100.00	2.47e+07	1.58 y	31:14	-	1.20	
86	Unk	PCB-103	100.00	2.12e+07	1.60 y	31:44	-	1.03	
87	Unk	PCB-100	100.00	2.13e+07	1.57 y	32:05	-	1.03	
88	Unk	PCB-94	100.00	1.76e+07	1.59 y	32:31	-	0.855	
89	Unk	PCB-98	200.00	3.52e+07	1.59 y	32:58	-	0.854	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.52e+07	1.59 y	32:58	-	0.854	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.88e+07	1.57 y	33:01	-	0.913	
92	Unk	PCB-93	100.00	1.88e+07	1.62 y	33:07	-	0.910	
93	Unk	PCB-88	200.00	3.92e+07	1.57 y	33:24	-	0.950	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.92e+07	1.57 y	33:24	-	0.950	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.38e+07	1.64 y	33:29	-	1.16	
96	IS	13C-PCB-104	100.00	2.06e+07	1.58 y	29:59	-	0.713	
97	C/Up	13C-PCB-28	100.00	5.51e+07	1.06 y	26:37	-	1.91	
98	RS	13C-PCB-52	100.00	2.89e+07	0.81 y	28:54	2.89e+05	-	
99	Unk	PCB-56	200.00	9.10e+07	0.77 y	33:57	-	1.14	Co-elute PCB 60
100	Unk	PCB-60	200.00	9.10e+07	0.77 y	33:57	-	1.14	Co-elute PCB 56

101	Unk	PCB-79	100.00	4.76e+07	0.80 y	34:58	-	1.20	
102	Unk	PCB-78	100.00	4.64e+07	0.80 y	35:37	-	1.17	
103	Unk	PCB-81	100.00	4.85e+07	0.79 y	36:07	-	1.24	
104	IS	13C-PCB-81	100.00	3.90e+07	0.80 y	36:06	-	1.70	
105	Unk	PCB-77	100.00	4.44e+07	0.79 y	36:41	-	1.09	
106	IS/RT	13C-PCB-77	100.00	4.06e+07	0.82 y	36:40	-	1.77	
107	Unk	PCB-155	100.00	2.63e+07	1.28 y	34:12	-	1.21	
108	Unk	PCB-150	100.00	2.54e+07	1.26 y	35:24	-	1.16	
109	Unk	PCB-152	100.00	2.53e+07	1.27 y	35:51	-	1.16	
110	Unk	PCB-145	100.00	2.54e+07	1.29 y	36:17	-	1.17	
111	Unk	PCB-136	100.00	2.29e+07	1.27 y	36:35	-	1.05	
112	Unk	PCB-148	100.00	2.09e+07	1.28 y	36:40	-	0.959	
113	Unk	PCB-154	100.00	2.18e+07	1.27 y	37:09	-	0.997	
114	IS	13C-PCB-155	100.00	2.18e+07	1.34 y	34:11	-	0.949	
115	C/Up	13C-PCB-111	100.00	2.89e+07	1.63 y	36:16	-	1.26	
116	RS	13C-PCB-101	100.00	2.30e+07	1.63 y	34:37	2.30e+05	-	
117	Unk	PCB-84	200.00	5.05e+07	1.61 y	34:17	-	0.708	Co-elute PCB 92
118	Unk	PCB-92	200.00	5.05e+07	1.61 y	34:17	-	0.708	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.55e+07	1.59 y	34:27	-	0.715	
120	Unk	PCB-90	200.00	5.69e+07	1.61 y	34:37	-	0.797	Co-elute PCB 101
121	Unk	PCB-101	200.00	5.69e+07	1.61 y	34:37	-	0.797	Co-elute PCB 90
122	Unk	PCB-113	100.00	3.06e+07	1.60 y	34:51	-	0.856	
123	Unk	PCB-99	100.00	3.24e+07	1.62 y	34:58	-	0.907	
124	Unk	PCB-119	100.00	3.62e+07	1.58 y	35:23	-	1.01	
125	Unk	PCB-83	200.00	5.68e+07	1.59 y	35:32	-	0.795	Co-elute PCB 112
126	Unk	PCB-112	200.00	5.68e+07	1.59 y	35:32	-	0.795	Co-elute PCB 83
127	Unk	PCB-109	100.00	3.53e+07	1.63 y	35:42	-	0.988	
128	Unk	PCB-97	100.00	2.42e+07	1.57 y	35:53	-	0.677	
129	Unk	PCB-86	100.00	2.30e+07	1.55 y	36:01	-	0.645	
130	Unk	PCB-125	300.00	9.86e+07	1.59 y	36:08	-	0.921	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	9.86e+07	1.59 y	36:08	-	0.921	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	9.86e+07	1.59 y	36:08	-	0.921	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	7.19e+07	1.60 y	36:17	-	1.01	Co-elute PCB 115
134	Unk	PCB-115	200.00	7.19e+07	1.60 y	36:17	-	1.01	Co-elute PCB 111
135	Unk	PCB-85	200.00	6.26e+07	1.58 y	36:25	-	0.877	Co-elute PCB 116
136	Unk	PCB-116	200.00	6.26e+07	1.58 y	36:25	-	0.877	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.73e+07	1.61 y	36:37	-	1.04	
138	Unk	PCB-110	100.00	3.51e+07	1.60 y	36:46	-	0.983	
139	Unk	PCB-82	100.00	2.19e+07	1.59 y	37:22	-	0.615	
140	Unk	PCB-124	100.00	3.91e+07	1.50 y	38:01	-	1.10	
141	Unk	PCB-108	200.00	8.06e+07	1.57 y	38:09	-	1.13	Co-elute PCB 107
142	Unk	PCB-107	200.00	8.06e+07	1.57 y	38:09	-	1.13	Co-elute PCB 108
143	Unk	PCB-123	100.00	3.47e+07	1.47 y	38:19	-	1.01	
144	IS	13C-PCB-123	100.00	3.44e+07	1.58 y	38:18	-	1.33	
145	Unk	PCB-118	200.00	8.01e+07	1.55 y	38:31	-	1.08	Co-elute PCB 106
146	Unk	PCB-106	200.00	8.01e+07	1.55 y	38:31	-	1.08	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	3.71e+07	1.56 y	38:29	-	1.43	
148	Unk	PCB-114	100.00	4.06e+07	1.50 y	39:07	-	1.13	
149	IS	13C-PCB-114	100.00	3.60e+07	1.60 y	39:05	-	1.39	
150	Unk	PCB-122	100.00	3.99e+07	1.53 y	39:14	-	1.12	
151	Unk	PCB-105	100.00	4.13e+07	1.52 y	39:56	-	1.17	
152	IS	13C-PCB-105	100.00	3.53e+07	1.57 y	39:55	-	1.36	
153	Unk	PCB-127	100.00	3.87e+07	1.51 y	40:15	-	1.08	
154	Unk	PCB-126	100.00	3.75e+07	1.55 y	42:03	-	1.12	
155	IS	13C-PCB-126	100.00	3.36e+07	1.58 y	42:02	-	1.30	

156	Unk	PCB-151	100.00	2.86e+07	1.27 y	37:46	-	0.987	
157	Unk	PCB-135	100.00	2.77e+07	1.26 y	37:58	-	0.956	
158	Unk	PCB-144	100.00	2.98e+07	1.30 y	38:05	-	1.03	
159	Unk	PCB-147	100.00	3.13e+07	1.28 y	38:13	-	1.08	
160	Unk	PCB-139	200.00	6.18e+07	1.27 y	38:28	-	1.07	Co-elute PCB 149
161	Unk	PCB-149	200.00	6.18e+07	1.27 y	38:28	-	1.07	Co-elute PCB 139
162	Unk	PCB-140	100.00	3.12e+07	1.29 y	38:37	-	1.08	
163	Unk	PCB-143	200.00	5.06e+07	1.27 y	39:02	-	0.875	Co-elute PCB 134
164	Unk	PCB-134	200.00	5.06e+07	1.27 y	39:02	-	0.875	Co-elute PCB 143
165	Unk	PCB-131	200.00	5.04e+07	1.27 y	39:19	-	0.871	Co-elute PCB 133
166	Unk	PCB-133	200.00	5.04e+07	1.27 y	39:19	-	0.871	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.62e+07	1.28 y	39:28	-	0.907	
168	Unk	PCB-165	200.00	6.65e+07	1.28 y	39:40	-	1.15	Co-elute PCB 146
169	Unk	PCB-146	200.00	6.65e+07	1.28 y	39:40	-	1.15	Co-elute PCB 165
170	Unk	PCB-161	200.00	6.29e+07	1.29 y	39:53	-	1.09	Co-elute PCB 132
171	Unk	PCB-132	200.00	6.29e+07	1.29 y	39:53	-	1.09	Co-elute PCB 161
172	Unk	PCB-153	100.00	3.44e+07	1.26 y	40:03	-	1.19	
173	Unk	PCB-168	100.00	3.65e+07	1.26 y	40:16	-	1.26	
174	Unk	PCB-141	100.00	2.85e+07	1.25 y	40:46	-	0.983	
175	Unk	PCB-137	100.00	2.69e+07	1.27 y	41:07	-	0.931	
176	Unk	PCB-130	100.00	2.69e+07	1.28 y	41:14	-	0.930	
177	Unk	PCB-138	300.00	1.01e+08	1.26 y	41:35	-	1.17	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.01e+08	1.26 y	41:35	-	1.17	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.01e+08	1.26 y	41:35	-	1.17	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	7.64e+07	1.28 y	41:48	-	1.32	Co-elute PCB 160
181	Unk	PCB-160	200.00	7.64e+07	1.28 y	41:48	-	1.32	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.49e+07	1.28 y	42:03	-	0.860	
183	Unk	PCB-166	100.00	3.65e+07	1.27 y	42:30	-	1.26	
184	Unk	PCB-159	100.00	3.90e+07	1.28 y	42:46	-	1.35	
185	Unk	PCB-128	200.00	6.33e+07	1.29 y	43:04	-	1.09	Co-elute PCB 162
186	Unk	PCB-162	200.00	6.33e+07	1.29 y	43:04	-	1.09	Co-elute PCB 128
187	Unk	PCB-167	100.00	3.51e+07	1.27 y	43:25	-	1.22	
188	IS	13C-PCB-167	100.00	2.87e+07	1.30 y	43:24	-	1.11	
189	Unk	PCB-156	100.00	3.79e+07	1.26 y	44:40	-	1.26	
190	IS	13C-PCB-156	100.00	3.01e+07	1.29 y	44:38	-	1.16	
191	Unk	PCB-157	100.00	3.67e+07	1.28 y	44:54	-	1.25	
192	IS	13C-PCB-157	100.00	2.94e+07	1.29 y	44:53	-	1.13	
193	Unk	PCB-169	100.00	3.30e+07	1.28 y	46:46	-	1.20	
194	IS	13C-PCB-169	100.00	2.76e+07	1.32 y	46:45	-	1.06	
195	Unk	PCB-188	100.00	2.73e+07	1.07 y	39:43	-	1.20	
196	IS	13C-PCB-188	100.00	2.27e+07	1.08 y	39:42	-	0.878	

197	Unk	PCB-184	100.00	2.89e+07	1.07 y	40:08	-	1.30	
198	Unk	PCB-179	100.00	2.76e+07	1.06 y	40:52	-	1.24	
199	Unk	PCB-176	100.00	2.66e+07	1.08 y	41:19	-	1.19	
200	Unk	PCB-186	100.00	2.75e+07	1.07 y	41:53	-	1.23	
201	Unk	PCB-178	100.00	1.96e+07	1.07 y	42:21	-	0.882	
202	Unk	PCB-175	100.00	2.06e+07	1.10 y	42:41	-	0.924	
203	Unk	PCB-187	200.00	4.42e+07	1.06 y	42:51	-	0.993	Co-elute PCB 182
204	Unk	PCB-182	200.00	4.42e+07	1.06 y	42:51	-	0.993	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.19e+07	1.06 y	43:09	-	0.985	
206	Unk	PCB-185	100.00	2.05e+07	1.08 y	43:47	-	0.922	
207	Unk	PCB-174	100.00	2.03e+07	1.07 y	44:07	-	0.910	
208	Unk	PCB-181	100.00	2.12e+07	1.07 y	44:13	-	0.951	
209	Unk	PCB-177	100.00	1.90e+07	1.09 y	44:23	-	0.854	
210	Unk	PCB-171	100.00	2.05e+07	1.07 y	44:40	-	0.919	
211	Unk	PCB-173	100.00	1.80e+07	1.06 y	45:04	-	0.806	
212	Unk	PCB-172	100.00	1.89e+07	1.07 y	45:27	-	0.851	
213	Unk	PCB-192	100.00	2.45e+07	1.07 y	45:37	-	1.10	
214	Unk	PCB-180	100.00	1.94e+07	1.07 y	45:47	-	0.872	
215	Unk	PCB-193	100.00	2.62e+07	1.07 y	45:59	-	1.18	
216	Unk	PCB-191	100.00	2.49e+07	1.08 y	46:10	-	1.12	
217	Unk	PCB-170	100.00	1.90e+07	1.09 y	47:06	-	0.853	
218	Unk	PCB-190	100.00	2.49e+07	1.06 y	47:14	-	1.12	
219	Unk	PCB-189	100.00	2.59e+07	1.07 y	48:27	-	1.19	
220	IS	13C-PCB-189	100.00	2.18e+07	1.09 y	48:25	-	0.843	
221	Unk	PCB-202	150.00	2.61e+07	0.91 y	44:49	-	1.10	
222	Unk	PCB-201	150.00	2.76e+07	0.91 y	45:17	-	1.17	
223	Unk	PCB-204	150.00	2.86e+07	0.91 y	45:26	-	1.21	
224	Unk	PCB-197	150.00	2.84e+07	0.92 y	45:40	-	1.20	
225	Unk	PCB-200	150.00	2.72e+07	0.92 y	46:27	-	1.15	
226	Unk	PCB-198	150.00	2.00e+07	0.91 y	47:36	-	0.844	
227	Unk	PCB-199	150.00	2.13e+07	0.94 y	47:42	-	0.900	
228	Unk	PCB-203	300.00	4.51e+07	0.92 y	47:57	-	0.951	Co-elute PCB 196
229	Unk	PCB-196	300.00	4.51e+07	0.92 y	47:57	-	0.951	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.58e+07	0.92 y	44:49	-	0.610	
231	C/Up	13C-PCB-178	100.00	1.74e+07	1.11 y	42:20	-	0.672	
232	RS	13C-PCB-138	100.00	2.59e+07	1.29 y	41:34	2.59e+05	-	
233	Unk	PCB-195	150.00	4.22e+07	0.88 y	49:03	-	0.800	
234	Unk	PCB-194	150.00	4.77e+07	0.89 y	49:52	-	0.905	
235	Unk	PCB-205	150.00	5.70e+07	0.88 y	50:06	-	1.08	
236	IS	13C-PCB-205	100.00	3.51e+07	0.90 y	50:06	-	1.25	
237	Unk	PCB-208	150.00	4.68e+07	1.42 y	49:11	-	1.11	
238	IS	13C-PCB-208	100.00	2.82e+07	0.82 y	49:09	-	0.999	
239	Unk	PCB-207	150.00	4.70e+07	1.43 y	49:27	-	1.25	
240	Unk	PCB-206	150.00	3.75e+07	1.40 y	51:19	-	1.13	
241	IS	13C-PCB-206	100.00	2.21e+07	0.80 y	51:18	-	0.783	
242	Unk	PCB-209	150.00	4.15e+07	1.20 y	52:30	-	1.26	
243	IS	13C-PCB-209	100.00	2.19e+07	1.21 y	52:28	-	0.777	
244	RS	13C-PCB-194	100.00	2.82e+07	0.91 y	49:50	2.82e+05	-	

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

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: 28OCT20Z Sam:1 Analysis Date: 28-OCT-20 06:33:23

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	55.4	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	55.0	37.5 - 62.5
PCB-4	M/M+2	1.46	1.33-1.79	y	43.6	37.5 - 62.5
PCB-15	M/M+2	1.42	1.33-1.79	y	51.3	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	61.3	37.5 - 62.5
PCB-37	M/M+2	1.01	0.88-1.20	y	49.2	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	112	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	99.5	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	110	75.0 - 125
PCB-104	M+2/M+4	1.60	1.32-1.78	y	114	75.0 - 125
PCB-105	M+2/M+4	1.52	1.32-1.78	y	106	75.0 - 125
PCB-114	M+2/M+4	1.50	1.32-1.78	y	100	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	193	150 - 250
PCB-123	M+2/M+4	1.47	1.32-1.78	y	91.0	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	106	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	116	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	110	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	111	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	109	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	111	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	161	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.40	1.13-1.53	y	163	112.5 - 187.5
PCB-208	M+4/M+6	1.42	1.13-1.53	y	165	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	168	112.5 - 187.5

Analyst: [illegible] Date: 11/28/20

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: 28OCT20Z Sam:1 Analysis Date: 28-OCT-20 06:33:23

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.31	2.66-3.60	y	93.4	50.0 - 145
13C-PCB-3	M/M+2	3.28	2.66-3.60	y	86.0	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	98.9	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	86.3	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	73.8	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	99.9	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	90.3	50.0 - 145
13C-PCB-77	M/M+2	0.82	0.65-0.89	y	109	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	108	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	69.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	106	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	107	50.0 - 145
13C-PCB-118	M+2/M+4	1.56	1.32-1.78	y	106	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	104	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	105	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	86.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	97.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	93.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	90.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.32	1.05-1.43	y	91.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	77.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	87.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	63.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	94.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	83.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	72.6	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	70.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	110	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	98.9	75.0 - 125
13C-PCB-178	M+2/M+4	1.11	0.89-1.21	y	86.6	75.0 - 125

Analyst: Date: 10/28/20

FAL ID: ST102820Z1 Filename: 28OCT20Z Sam:1 Acquired: 28-OCT-20 06:33:23 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.37e+07	3.23 y	14:29	1.21	55.4		2.50	-	-	*	-
13C-PCB-1	5.03e+07	3.31 y	14:28	0.90	93.4		2.50				93.4
PCB-3	3.25e+07	3.21 y	16:54	1.23	55.0		2.50	-	-	*	-
13C-PCB-3	4.80e+07	3.28 y	16:53	0.93	86.0		2.50				86.0
PCB-4	1.94e+07	1.46 y	18:09	1.14	43.6		2.50	-	-	*	-
13C-PCB-4	3.91e+07	1.56 y	18:07	0.66	98.9		2.50				98.9
PCB-15	3.15e+07	1.42 y	23:39	1.09	51.3		2.50	-	-	*	-
13C-PCB-15	5.62e+07	1.60 y	23:38	1.09	86.3		2.50				86.3
PCB-19	1.66e+07	1.09 y	22:01	1.21	61.3		2.50	-	-	*	-
13C-PCB-19	2.23e+07	1.10 y	21:60	0.50	73.8		2.50				73.8
13C-PCB-9	5.99e+07	1.60 y	19:47	-	58.7		2.50				
PCB-37	2.67e+07	1.01 y	30:20	1.14	49.2		2.50	-	-	*	-
13C-PCB-37	4.74e+07	1.06 y	30:18	1.64	99.9		2.50				99.9
PCB-54	4.35e+07	0.78 y	25:34	1.18	112		2.50	-	-	*	-
13C-PCB-54	3.30e+07	0.83 y	25:33	1.26	90.3		2.50				90.3
PCB-104	2.63e+07	1.60 y	30:02	1.12	114		2.50	-	-	*	-
13C-PCB-104	2.06e+07	1.58 y	29:59	1.02	69.9		2.50				69.9
13C-PCB-28	5.51e+07	1.06 y	26:37	1.73	110		2.50				110
13C-PCB-52	2.89e+07	0.81 y	28:54	-	54.4		2.50				
PCB-81	4.85e+07	0.79 y	36:07	1.13	110		2.50	-	-	*	-
13C-PCB-81	3.90e+07	0.80 y	36:06	1.57	108		2.50				108
PCB-77	4.44e+07	0.79 y	36:41	1.10	99.5		2.50	-	-	*	-
13C-PCB-77	4.06e+07	0.82 y	36:40	1.61	109		2.50				109
PCB-155	2.63e+07	1.28 y	34:12	1.13	106		2.50	-	-	*	-
13C-PCB-155	2.18e+07	1.34 y	34:11	1.10	86.0		2.50				86.0
13C-PCB-111	2.89e+07	1.63 y	36:16	1.27	98.9		2.50				98.9
13C-PCB-101	2.30e+07	1.63 y	34:37	-	48.2		2.50				
PCB-123	3.47e+07	1.47 y	38:19	1.11	91.0		2.50	-	-	*	-
13C-PCB-123	3.44e+07	1.58 y	38:18	1.28	104		2.50				104
PCB-118	8.01e+07	1.55 y	38:31	1.12	193		2.50	-	-	*	-
13C-PCB-118	3.71e+07	1.56 y	38:29	1.35	106		2.50				106
PCB-114	4.06e+07	1.50 y	39:07	1.13	100		2.50	-	-	*	-
13C-PCB-114	3.60e+07	1.60 y	39:05	1.29	107		2.50				107
PCB-105	4.13e+07	1.52 y	39:56	1.10	106		2.50	-	-	*	-
13C-PCB-105	3.53e+07	1.57 y	39:55	1.28	106		2.50				106
PCB-126	3.75e+07	1.55 y	42:03	1.08	103		2.50	-	-	*	-
13C-PCB-126	3.36e+07	1.58 y	42:02	1.23	105		2.50				105
PCB-167	3.51e+07	1.27 y	43:25	1.11	110		2.50	-	-	*	-
13C-PCB-167	2.87e+07	1.30 y	43:24	1.23	90.3		2.50				90.3
PCB-156	3.79e+07	1.26 y	44:40	1.13	112		2.50	-	-	*	-
13C-PCB-156	3.01e+07	1.29 y	44:38	1.19	97.9		2.50				97.9
PCB-157	3.67e+07	1.28 y	44:54	1.08	116		2.50	-	-	*	-
13C-PCB-157	2.94e+07	1.29 y	44:53	1.21	93.5		2.50				93.5
PCB-169	3.30e+07	1.28 y	46:46	1.08	111		2.50	-	-	*	-
13C-PCB-169	2.76e+07	1.32 y	46:45	1.17	91.0		2.50				91.0
PCB-188	2.73e+07	1.07 y	39:43	1.10	109		2.50	-	-	*	-
13C-PCB-188	2.27e+07	1.08 y	39:42	1.13	77.9		2.50				77.9
PCB-189	2.59e+07	1.07 y	48:27	1.07	111		2.50	-	-	*	-
13C-PCB-189	2.18e+07	1.09 y	48:25	0.97	87.3		2.50				87.3
PCB-202	2.61e+07	0.91 y	44:49	1.03	161		2.50	-	-	*	-
13C-PCB-202	1.58e+07	0.92 y	44:49	0.96	63.9		2.50				63.9
13C-PCB-178	1.74e+07	1.11 y	42:20	0.78	86.6		2.50				86.6
13C-PCB-138	2.59e+07	1.29 y	41:34	-	53.8		2.50				

Client ID: CS209 200406A ConCal: ST10282OZ1 EndCal: ST10282OZ2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.70e+07	0.88	y	50:06	1.09	150	2.50	-	-	*	-
13C-PCB-205	3.51e+07	0.90	y	50:06	1.32	94.6	2.50				94.6
PCB-208	4.68e+07	1.42	y	49:11	1.01	165	2.50	-	-	*	-
13C-PCB-208	2.82e+07	0.82	y	49:09	1.38	72.6	2.50				72.6
PCB-206	3.75e+07	1.40	y	51:19	1.04	163	2.50	-	-	*	-
13C-PCB-206	2.21e+07	0.80	y	51:18	0.94	83.6	2.50				83.6
PCB-209	4.15e+07	1.20	y	52:30	1.13	168	2.50	-	-	*	-
13C-PCB-209	2.19e+07	1.21	y	52:28	1.10	70.4	2.50				70.4
13C-PCB-194	2.82e+07	0.91	y	49:50	-	74.1	2.50				

Analyst: _____ Date: 10/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/28/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 28OCT20Z Sam:12 Analysis Date: 28-OCT-20 17:15:15

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.25	2.66-3.60	y	53.4	37.5 - 62.5
PCB-3	M/M+2	3.29	2.66-3.60	y	52.9	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	59.5	37.5 - 62.5
PCB-15	M/M+2	1.50	1.33-1.79	y	53.8	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	48.0	37.5 - 62.5
PCB-37	M/M+2	1.01	0.88-1.20	y	50.9	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	106	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	102	75.0 - 125
PCB-81	M/M+2	0.76	0.65-0.89	y	109	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	107	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.53	1.32-1.78	y	104	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	213	150 - 250
PCB-123	M+2/M+4	1.52	1.32-1.78	y	109	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	104	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	103	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	104	75.0 - 125
PCB-157	M+2/M+4	1.29	1.05-1.43	y	103	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	104	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	106	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	105	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	104	75.0 - 125
PCB-202	M+2/M+4	0.90	0.76-1.02	y	155	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	152	112.5 - 187.5
PCB-206	M+4/M+6	1.39	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.42	1.13-1.53	y	147	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	152	112.5 - 187.5

Analyst: [illegible] Date: 11/8/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/28/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 28OCT20Z Sam:12 Analysis Date: 28-OCT-20 17:15:15

	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	3.37	2.66-3.60	y	94.2	50.0 - 145
13C-PCB-3	M/M+2	3.33	2.66-3.60	y	94.3	50.0 - 145
13C-PCB-4	M/M+2	1.55	1.33-1.79	y	93.2	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	95.0	50.0 - 145
13C-PCB-19	M/M+2	1.16	0.88-1.20	y	98.5	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	98.5	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	109	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	109	50.0 - 145
13C-PCB-81	M/M+2	0.83	0.65-0.89	y	98.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	92.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	110	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	109	50.0 - 145
13C-PCB-118	M+2/M+4	1.62	1.32-1.78	y	107	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	106	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	107	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	95.3	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	105	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	106	50.0 - 145
13C-PCB-167	M+2/M+4	1.31	1.05-1.43	y	102	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	106	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	95.7	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	92.4	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	93.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	100	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	101	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	105	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	99.2	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	113	65.0 - 135
13C-PCB-111	M+2/M+4	1.66	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	95.7	75.0 - 125

Analyst: _____ Date: 11/2/20

FAL ID: ST10282OZ2 Filename: 28OCT20Z Sam:12 Acquired: 28-OCT-20 17:15:15 ICal: DAILY209FAL4-10-28-20 1 of 2
Client ID: CS209 200406A ConCal: ST10282OZ1 EndCal: ST10282OZ2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.74e+07	3.25 y	14:31	1.34	53.4		2.50	-	-	*	
13C-PCB-1	5.22e+07	3.37 y	14:30	0.84	94.2		2.50				94.2
PCB-3	3.57e+07	3.29 y	16:56	1.35	52.9		2.50	-	-	*	
13C-PCB-3	4.98e+07	3.33 y	16:56	0.80	94.3		2.50				94.3
PCB-4	2.37e+07	1.49 y	18:12	1.00	59.5		2.50	-	-	*	
13C-PCB-4	4.01e+07	1.55 y	18:10	0.65	93.2		2.50				93.2
PCB-15	3.55e+07	1.50 y	23:42	1.12	53.8		2.50	-	-	*	
13C-PCB-15	5.88e+07	1.61 y	23:41	0.94	95.0		2.50				95.0
PCB-19	1.73e+07	1.09 y	22:03	1.48	48.0		2.50	-	-	*	
13C-PCB-19	2.42e+07	1.16 y	22:03	0.37	98.5		2.50				98.5
13C-PCB-9	6.60e+07	1.61 y	19:50	-	110		2.50				
PCB-37	2.58e+07	1.01 y	30:21	1.13	50.9		2.50	-	-	*	
13C-PCB-37	4.50e+07	1.09 y	30:19	1.64	98.5		2.50				98.5
PCB-54	4.85e+07	0.81 y	25:35	1.32	106		2.50	-	-	*	
13C-PCB-54	3.48e+07	0.83 y	25:34	1.14	109		2.50				109
PCB-104	2.50e+07	1.58 y	30:02	1.27	107		2.50	-	-	*	
13C-PCB-104	1.84e+07	1.59 y	30:00	0.71	92.5		2.50				92.5
13C-PCB-28	6.00e+07	1.06 y	26:38	1.91	113		2.50				113
13C-PCB-52	2.79e+07	0.81 y	28:55	-	96.3		2.50				
PCB-81	5.20e+07	0.76 y	36:07	1.24	109		2.50	-	-	*	
13C-PCB-81	3.85e+07	0.83 y	36:06	1.70	98.7		2.50				98.7
PCB-77	4.94e+07	0.81 y	36:41	1.09	102		2.50	-	-	*	
13C-PCB-77	4.43e+07	0.81 y	36:40	1.77	109		2.50				109
PCB-155	2.57e+07	1.29 y	34:12	1.21	103		2.50	-	-	*	
13C-PCB-155	2.08e+07	1.34 y	34:10	0.95	95.3		2.50				95.3
13C-PCB-111	2.94e+07	1.66 y	36:16	1.26	102		2.50				102
13C-PCB-101	2.30e+07	1.67 y	34:37	-	99.9		2.50				
PCB-123	4.08e+07	1.52 y	38:19	1.01	109		2.50	-	-	*	
13C-PCB-123	3.72e+07	1.59 y	38:17	1.33	106		2.50				106
PCB-118	9.29e+07	1.58 y	38:31	1.08	213		2.50	-	-	*	
13C-PCB-118	4.03e+07	1.62 y	38:27	1.43	107		2.50				107
PCB-114	4.70e+07	1.53 y	39:07	1.13	104		2.50	-	-	*	
13C-PCB-114	4.01e+07	1.59 y	39:05	1.39	109		2.50				109
PCB-105	4.77e+07	1.55 y	39:56	1.17	103		2.50	-	-	*	
13C-PCB-105	3.94e+07	1.61 y	39:55	1.36	110		2.50				110
PCB-126	4.25e+07	1.55 y	42:03	1.12	104		2.50	-	-	*	
13C-PCB-126	3.66e+07	1.60 y	42:01	1.30	107		2.50				107
PCB-167	3.81e+07	1.26 y	43:25	1.22	104		2.50	-	-	*	
13C-PCB-167	2.99e+07	1.31 y	43:24	1.11	102		2.50				102
PCB-156	4.23e+07	1.28 y	44:39	1.26	104		2.50	-	-	*	
13C-PCB-156	3.23e+07	1.29 y	44:38	1.16	105		2.50				105
PCB-157	4.09e+07	1.29 y	44:54	1.25	103		2.50	-	-	*	
13C-PCB-157	3.17e+07	1.31 y	44:52	1.13	106		2.50				106
PCB-169	3.75e+07	1.27 y	46:46	1.20	106		2.50	-	-	*	
13C-PCB-169	2.96e+07	1.28 y	46:44	1.06	106		2.50				106
PCB-188	2.80e+07	1.06 y	39:41	1.20	105		2.50	-	-	*	
13C-PCB-188	2.21e+07	1.09 y	39:40	0.88	95.7		2.50				95.7
PCB-189	2.55e+07	1.09 y	48:26	1.19	104		2.50	-	-	*	
13C-PCB-189	2.05e+07	1.09 y	48:25	0.84	92.4		2.50				92.4
PCB-202	2.58e+07	0.90 y	44:49	1.10	155		2.50	-	-	*	
13C-PCB-202	1.51e+07	0.93 y	44:48	0.61	93.8		2.50				93.8
13C-PCB-178	1.70e+07	1.08 y	42:19	0.67	95.7		2.50				95.7
13C-PCB-138	2.64e+07	1.31 y	41:32	-	102		2.50				

FAL ID: ST10282OZ2 Filename: 28OCT20Z Sam:12 Acquired: 28-OCT-20 17:15:15 ICal: DAILY209FAL4-10-28-20
Client ID: CS209 200406A ConCal: ST10282OZ1 EndCal: ST10282OZ2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	6.20e+07	0.88	y	50:05	1.08	152	2.50	-	-	*	
13C-PCB-205	3.77e+07	0.90	y	50:05	1.25	100	2.50				100
PCB-208	5.14e+07	1.42	y	49:10	1.11	147	2.50	-	-	*	
13C-PCB-208	3.17e+07	0.81	y	49:09	1.00	105	2.50				105
PCB-206	4.29e+07	1.39	y	51:17	1.13	159	2.50	-	-	*	
13C-PCB-206	2.39e+07	0.81	y	51:17	0.78	101	2.50				101
PCB-209	4.45e+07	1.19	y	52:29	1.26	152	2.50	-	-	*	
13C-PCB-209	2.33e+07	1.21	y	52:28	0.78	99.2	2.50				99.2
13C-PCB-194	3.02e+07	0.91	y	49:50	-	107	2.50				

Analyst: [illegible] Date: 11/8/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:28OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

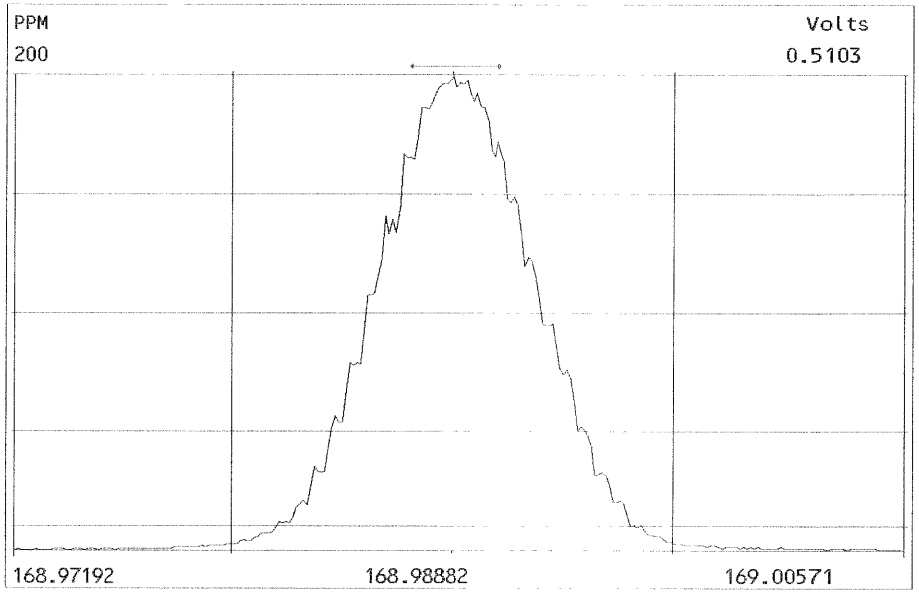
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
28OCT20Z	1	ST102820Z1	CS209 200406A	28-OCT-20 06:33:23	ST102820Z1	ST102820Z2	BS
28OCT20Z	2	SB102820Z1	Solvent Blank	28-OCT-20 07:31:43	ST102820Z1	ST102820Z2	BS
28OCT20Z	3	13376-002-0001-SA	LDW-Y3-IN-ENR-CB-CORE	28-OCT-20 08:30:04	ST102820Z1	ST102820Z2	BS
28OCT20Z	4	13376-003-0001-SA	LDW-Y3-IN-ENR-CC-CORE	28-OCT-20 09:28:25	ST102820Z1	ST102820Z2	BS
28OCT20Z	5	13376-004-0001-SA	LDW-Y3-IN-ENR-CD-CORE	28-OCT-20 10:26:46	ST102820Z1	ST102820Z2	BS
28OCT20Z	6	13376-006-0001-SA	LDW-Y3-IN-ENR+AC-CA-CORE	28-OCT-20 11:25:08	ST102820Z1	ST102820Z2	BS
28OCT20Z	7	13376-007-0001-SA	LDW-Y3-IN-ENR+AC-CB-CORE	28-OCT-20 12:23:29	ST102820Z1	ST102820Z2	BS
28OCT20Z	8	13376-008-0001-SA	LDW-Y3-IN-ENR+AC-CC-CORE	28-OCT-20 13:21:50	ST102820Z1	ST102820Z2	BS
28OCT20Z	9	SB102820Z2	Solvent Blank	28-OCT-20 14:20:12	ST102820Z1	ST102820Z2	BS
28OCT20Z	10	13389-001-0001-SA	LRAC4740	28-OCT-20 15:18:33	ST102820Z1	ST102820Z2	BS
28OCT20Z	11	SB102820Z3	Solvent Blank	28-OCT-20 16:16:54	ST102820Z1	ST102820Z2	BS
28OCT20Z	12	ST102820Z2	CS209 200406A	28-OCT-20 17:15:15	ST102820Z1	ST102820Z2	BS

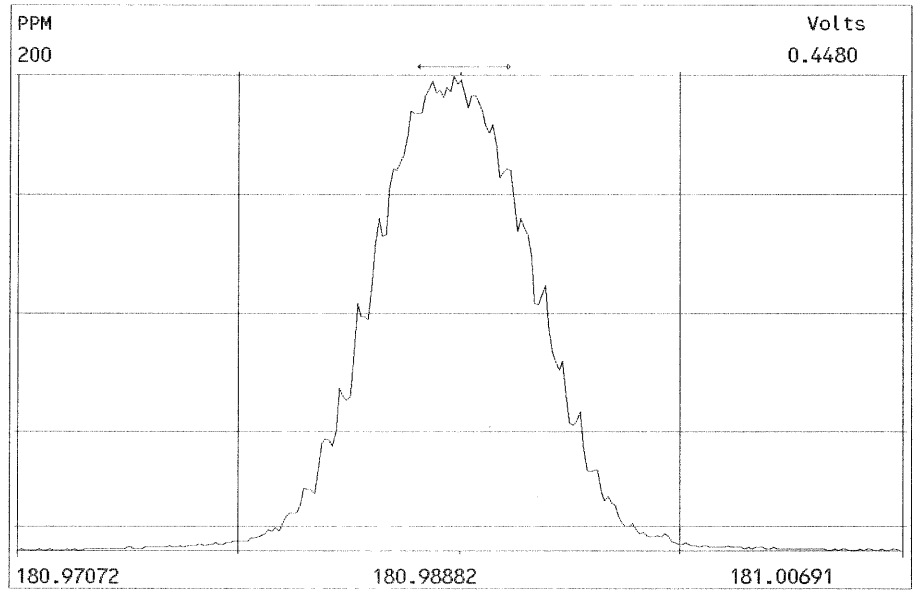
10/29/20

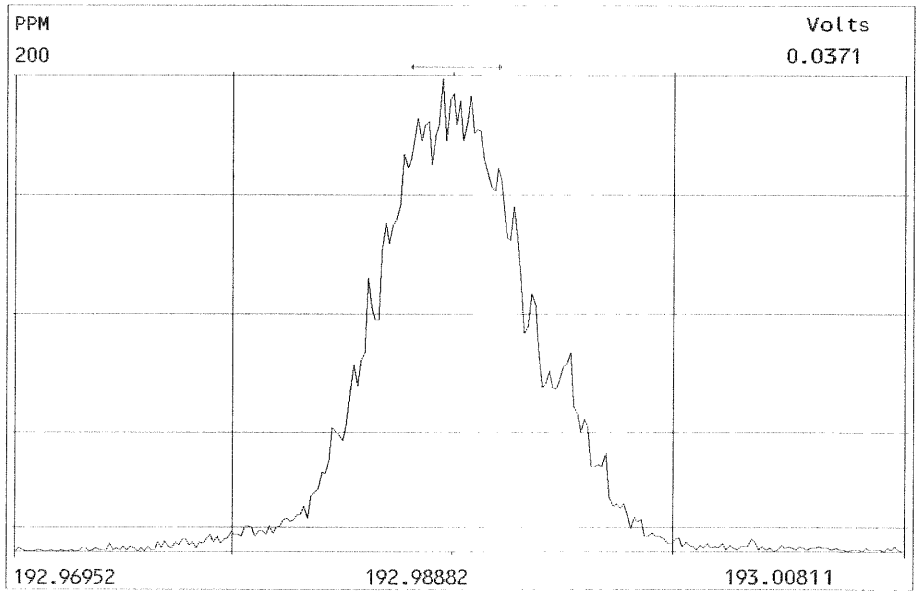
Data Backed Up:_____

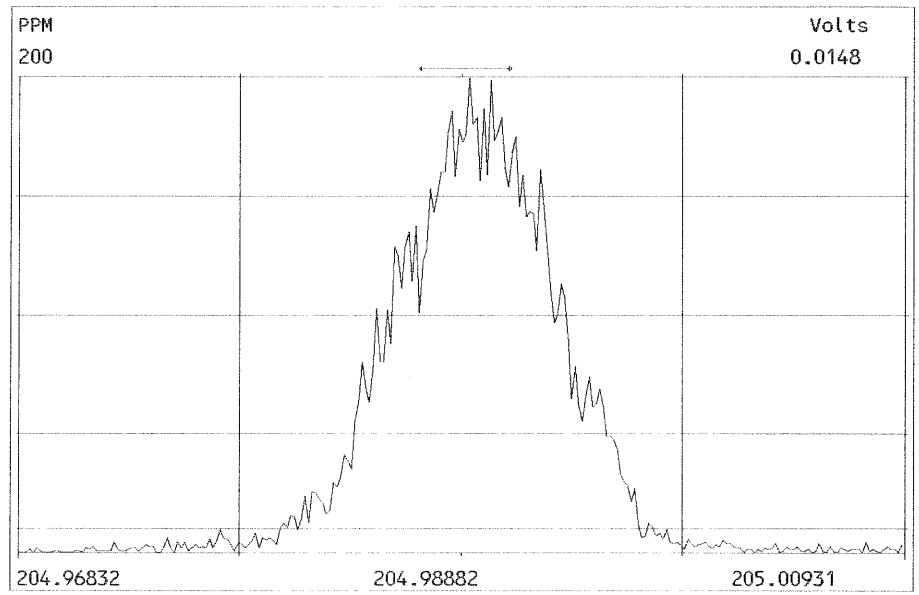
Date:_____

Peak Locate Examination:28-OCT-2020:06:30 File:28OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

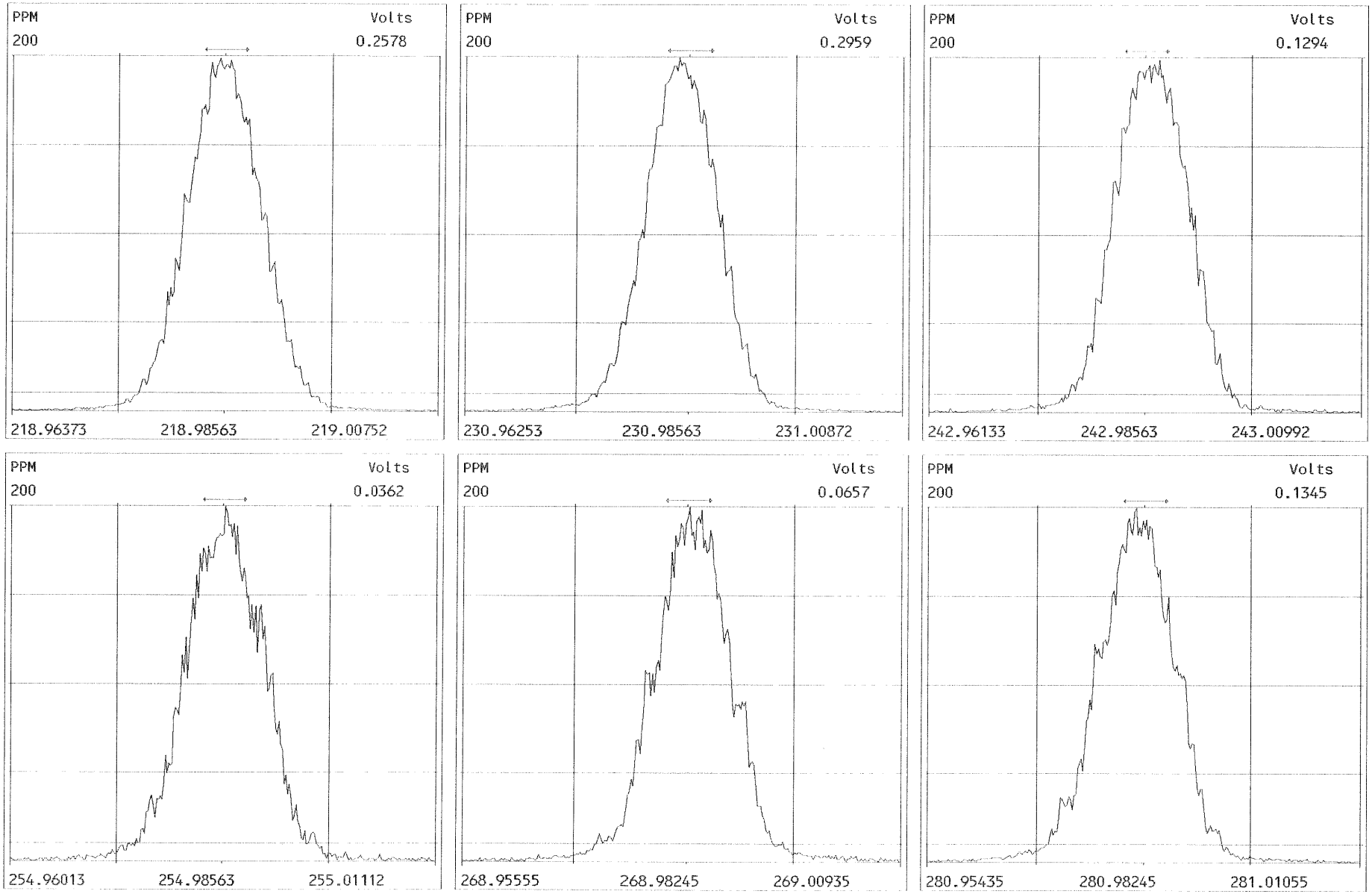




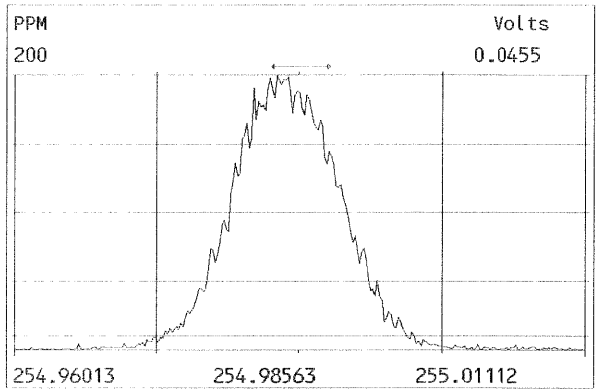


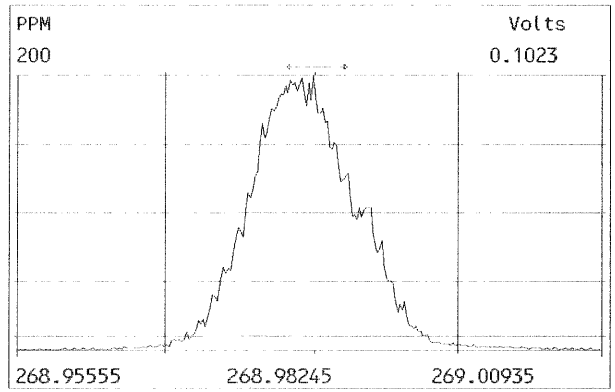


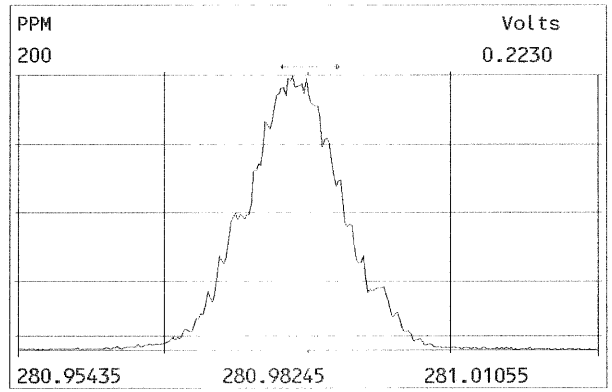
Peak Locate Examination:28-OCT-2020:06:30 File:28OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

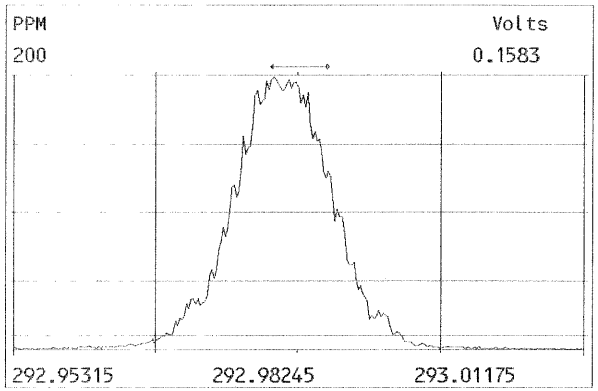


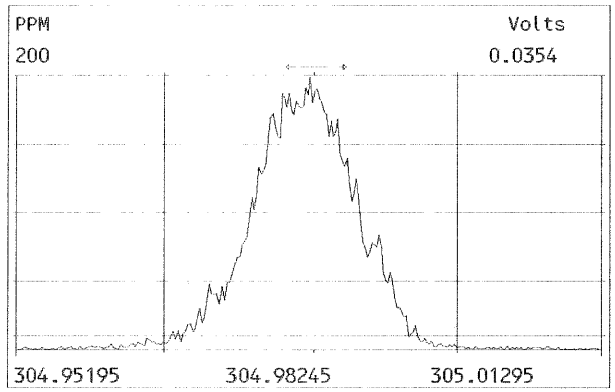
Peak Locate Examination:28-OCT-2020:06:31 File:28OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

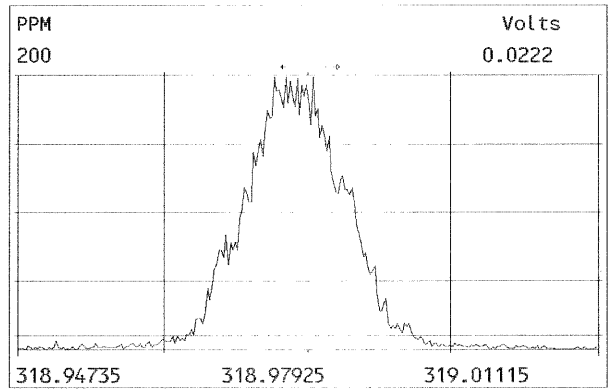


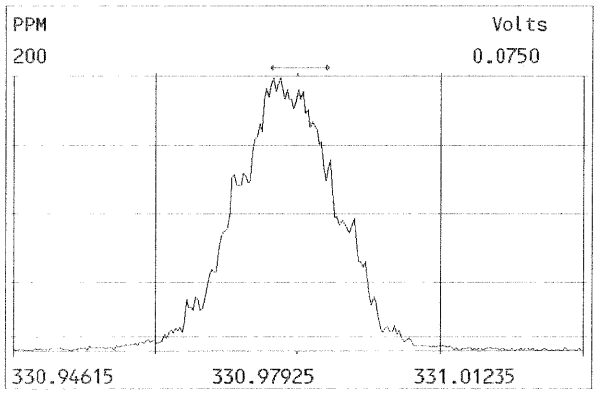


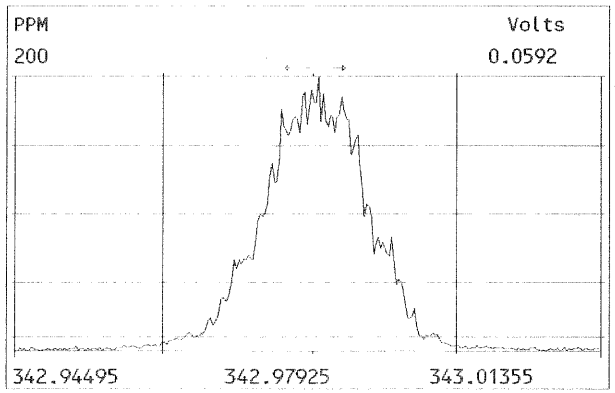




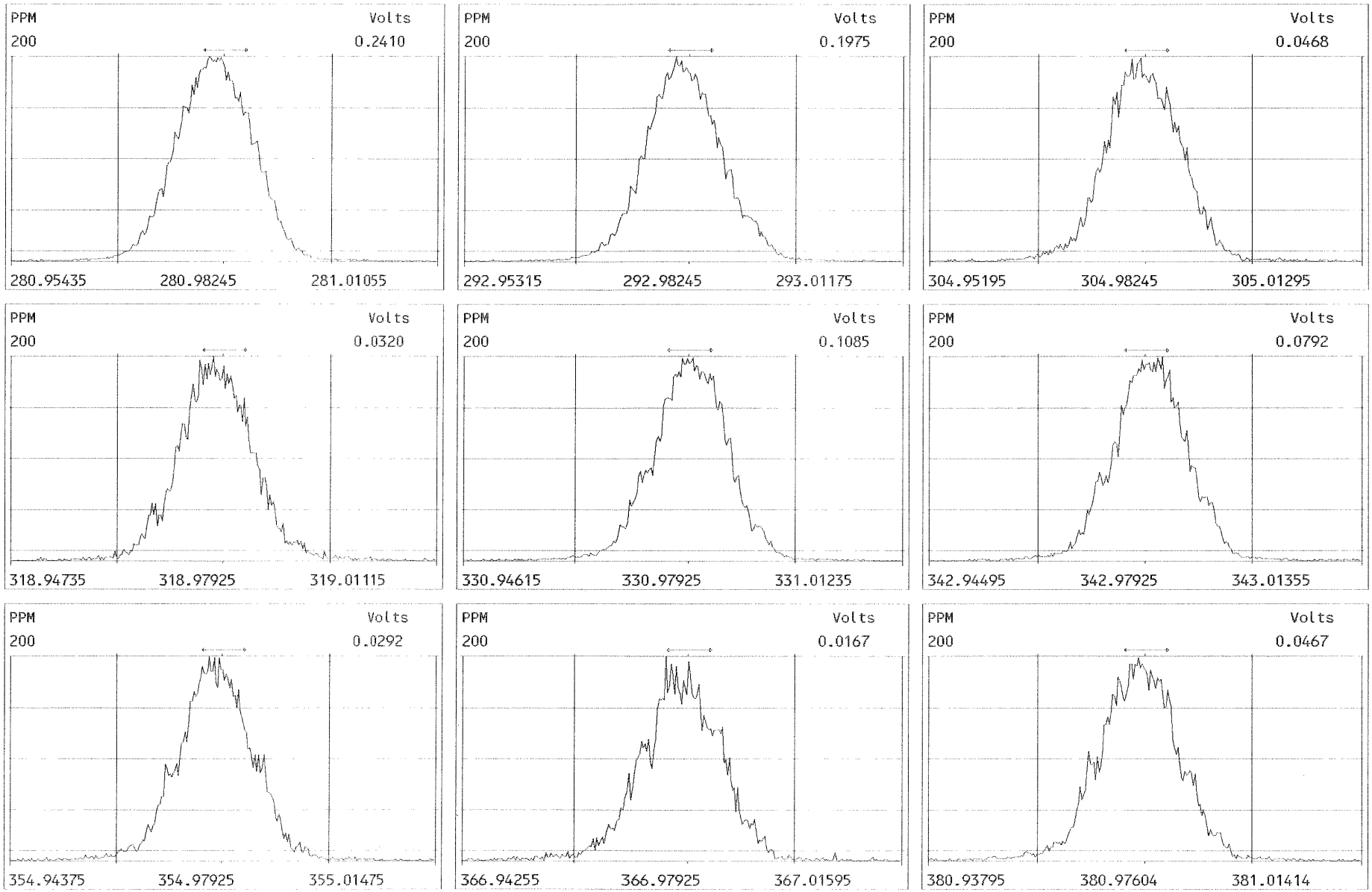




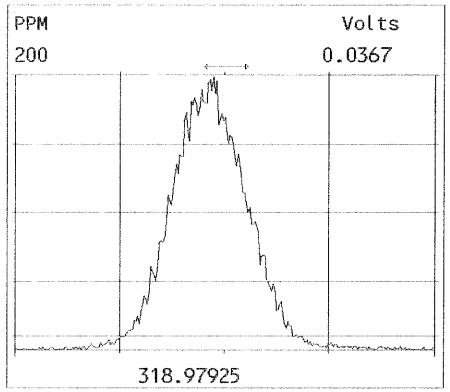


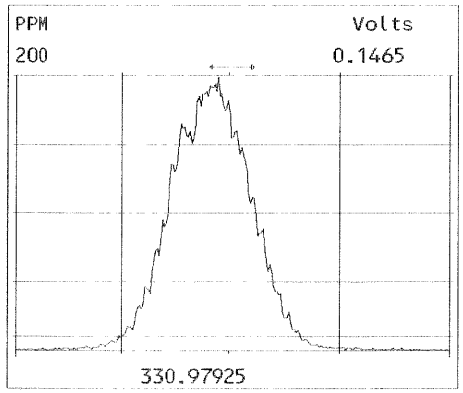


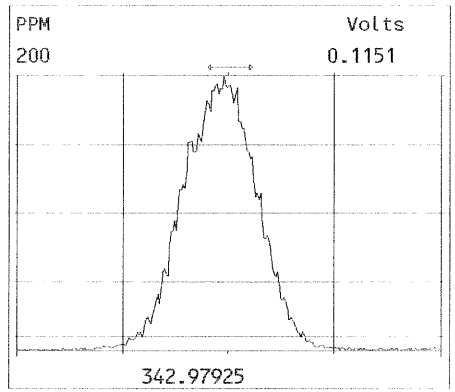
Peak Locate Examination:28-OCT-2020:06:31 File:28OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

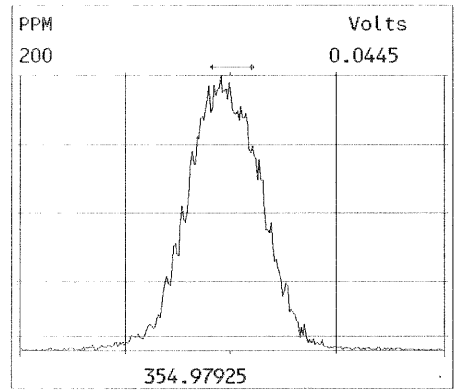


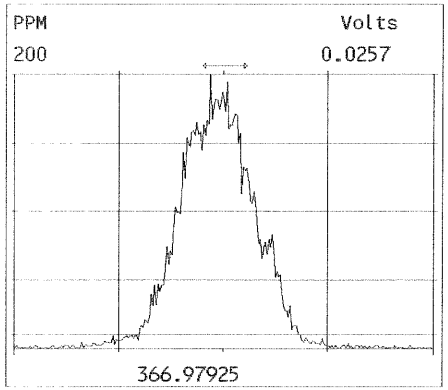
Peak Locate Examination:28-OCT-2020:06:32 File:28OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

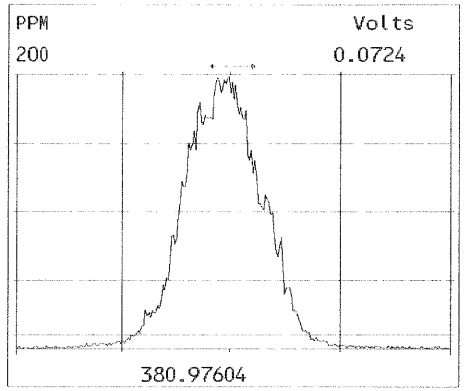


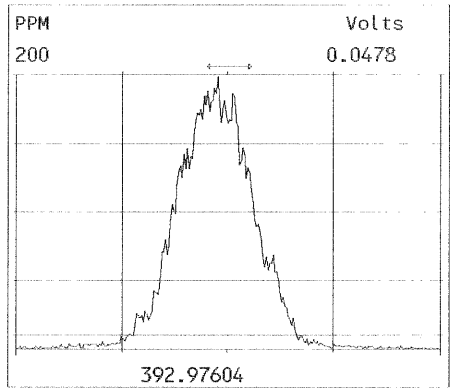


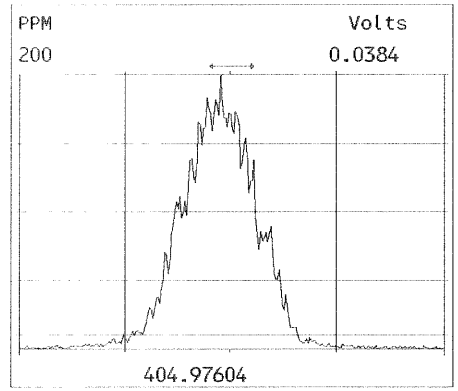


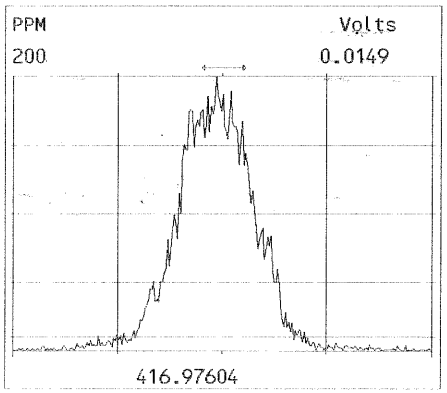


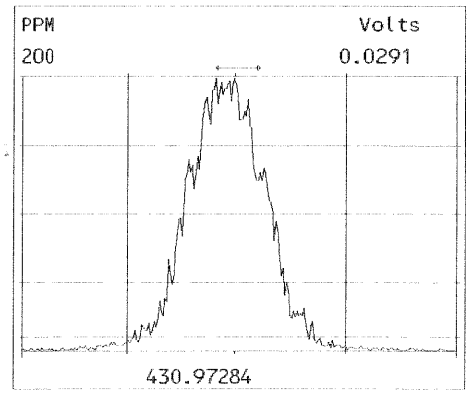


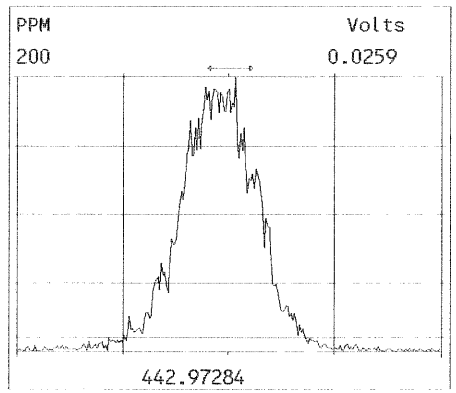




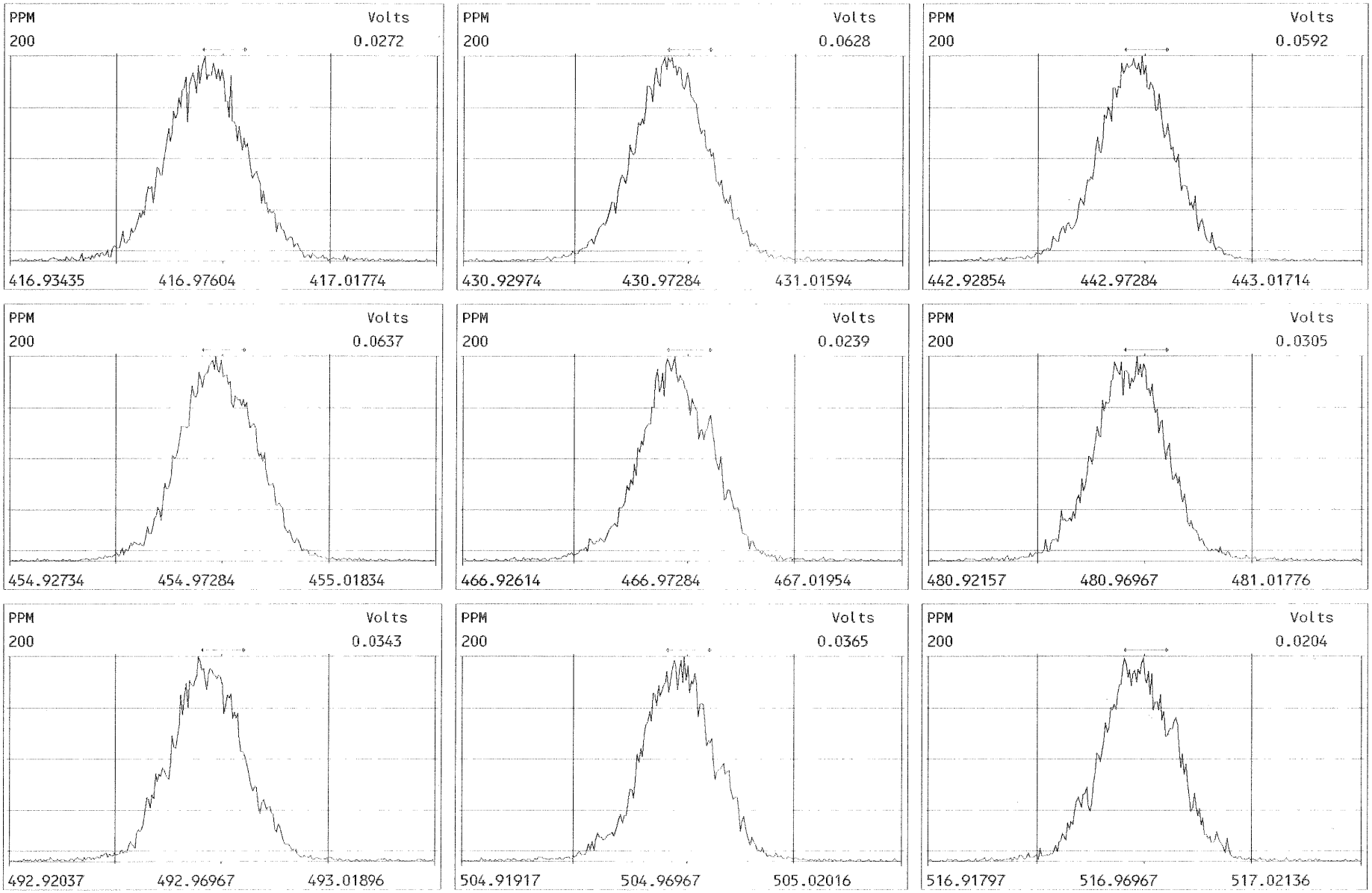




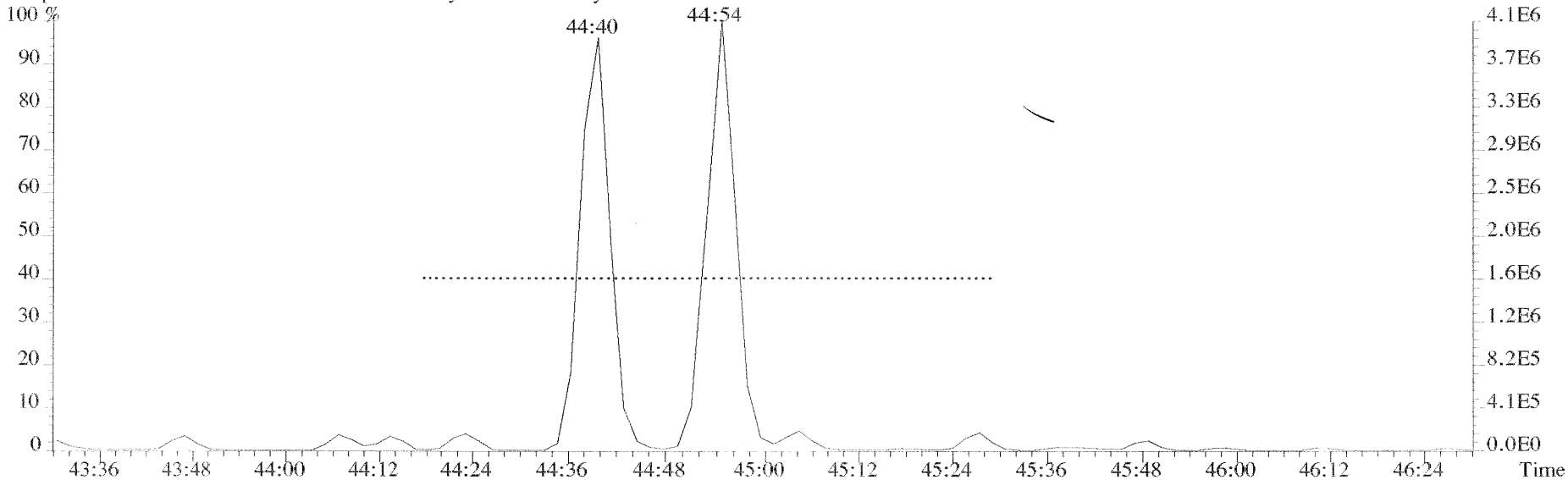




Peak Locate Examination:28-OCT-2020:06:32 File:28OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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373.8788 F:5 Exp:1668PCB
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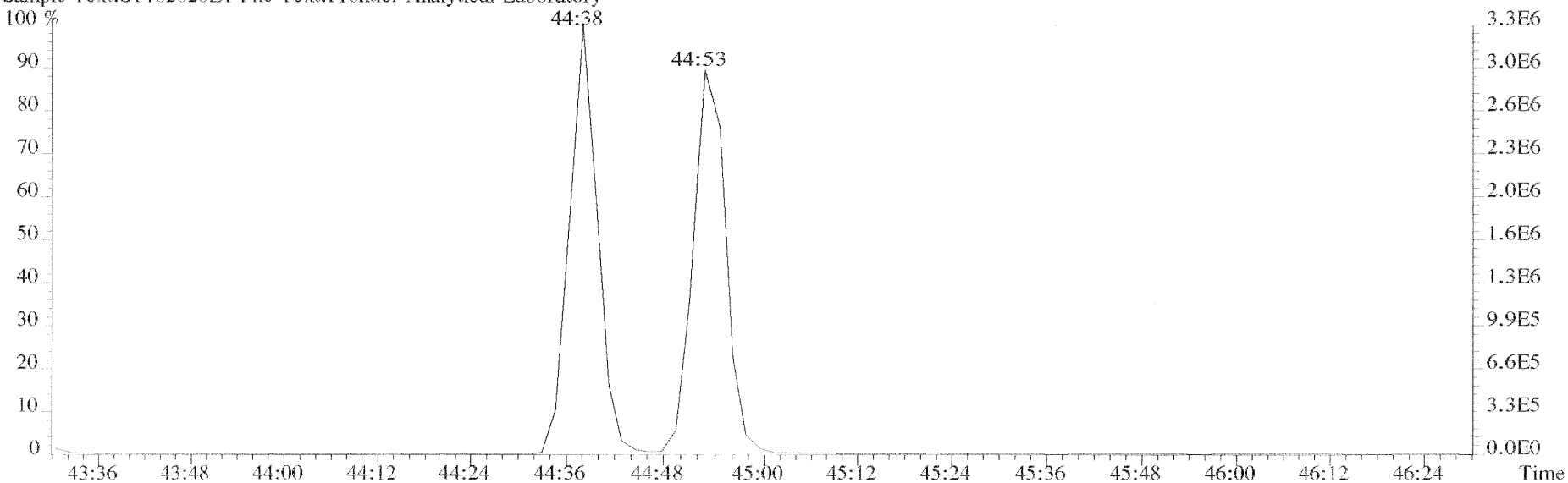
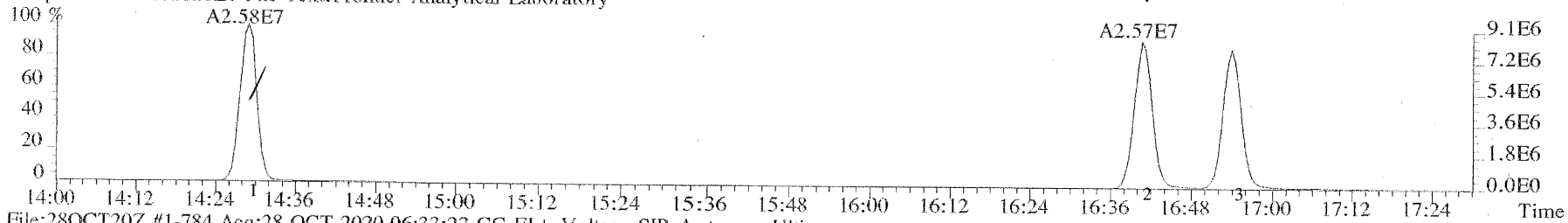
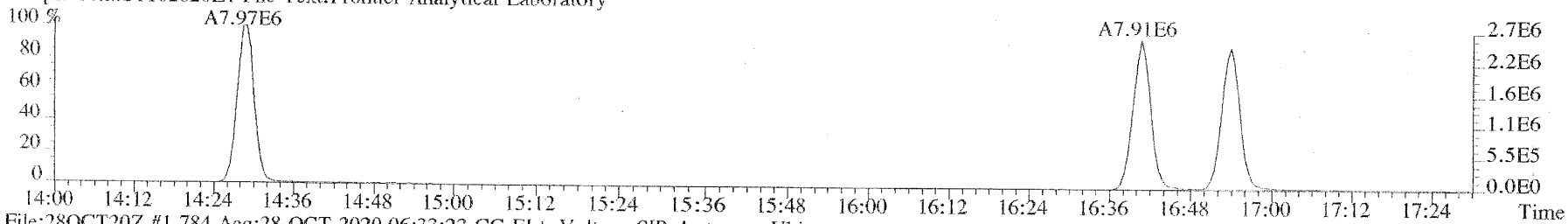


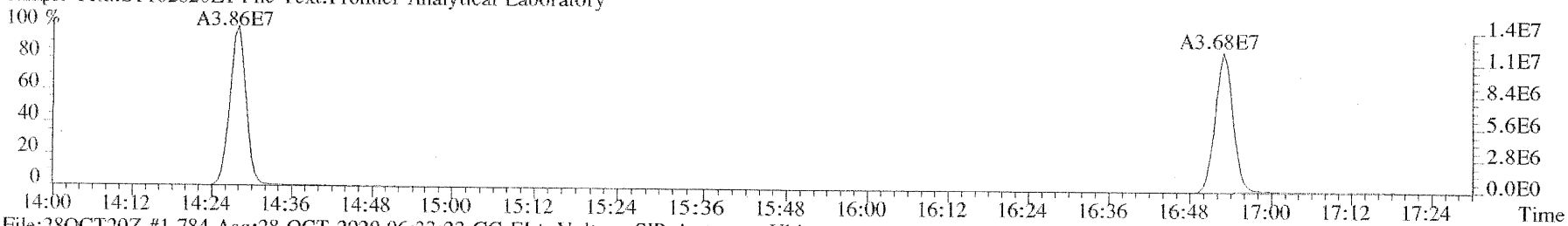
File:28OCT20Z #1-784 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-784 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-784 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



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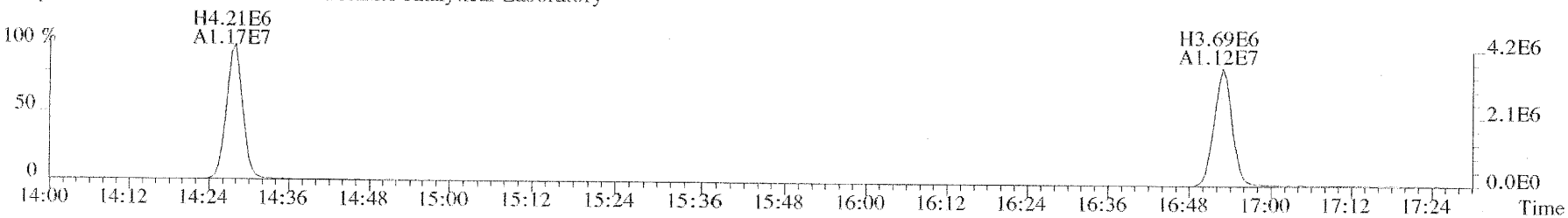
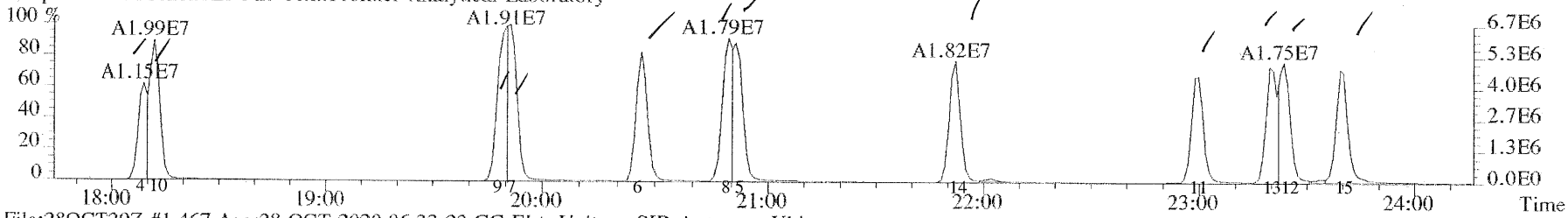


File:28OCT20Z #1-467 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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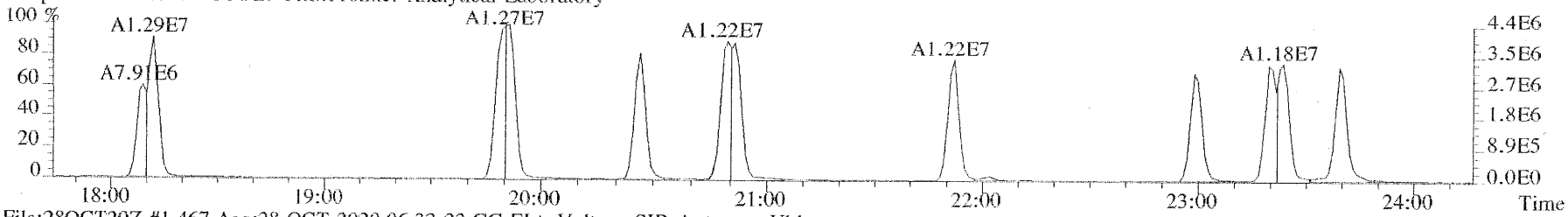
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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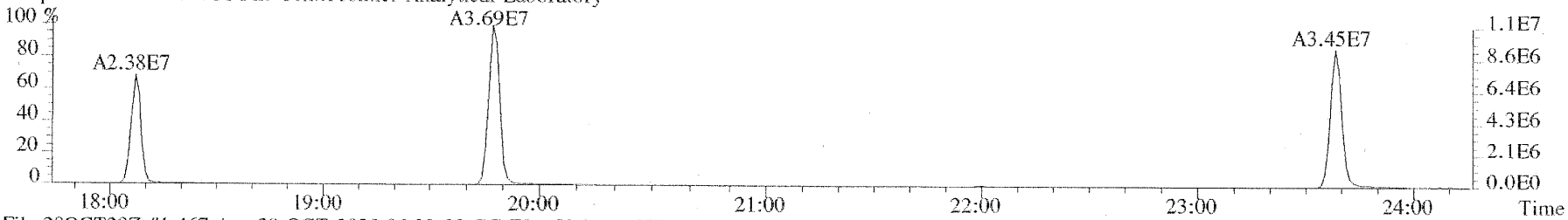
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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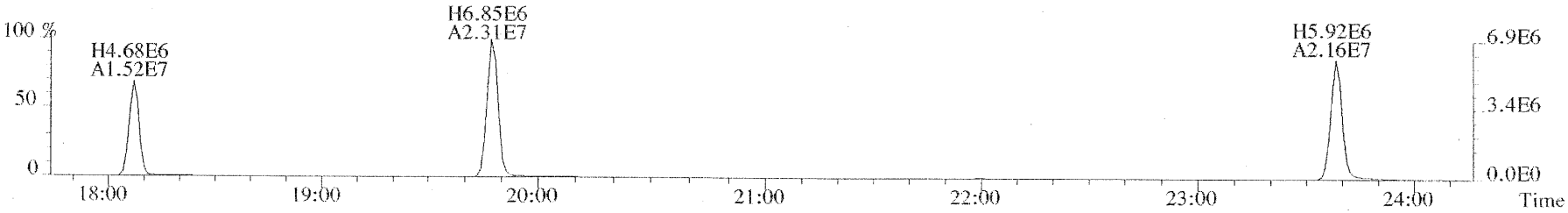
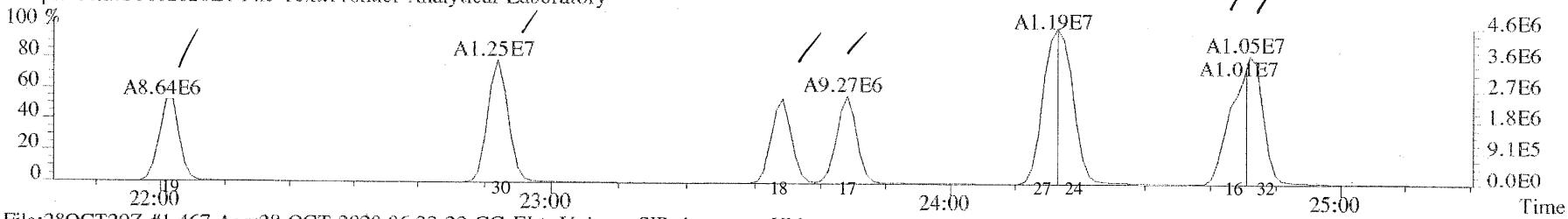
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-467 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



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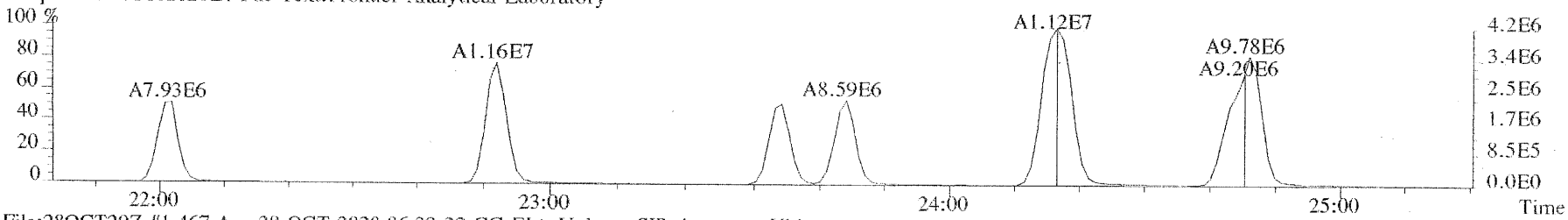
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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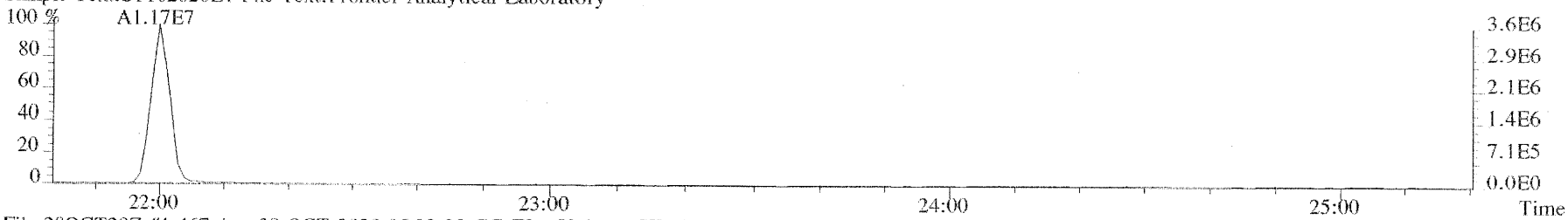
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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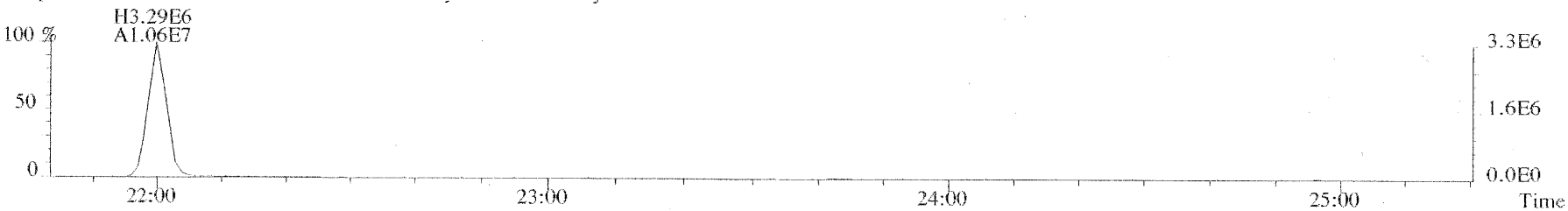
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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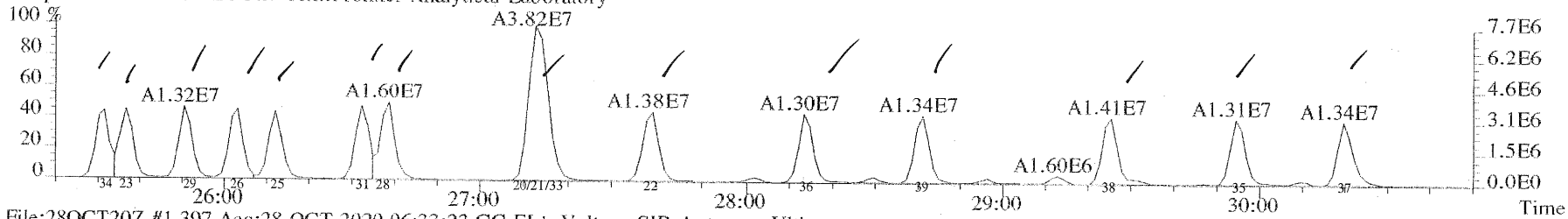
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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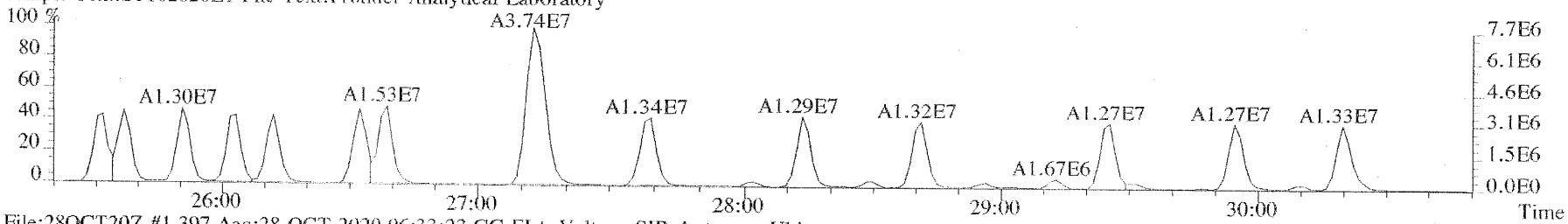
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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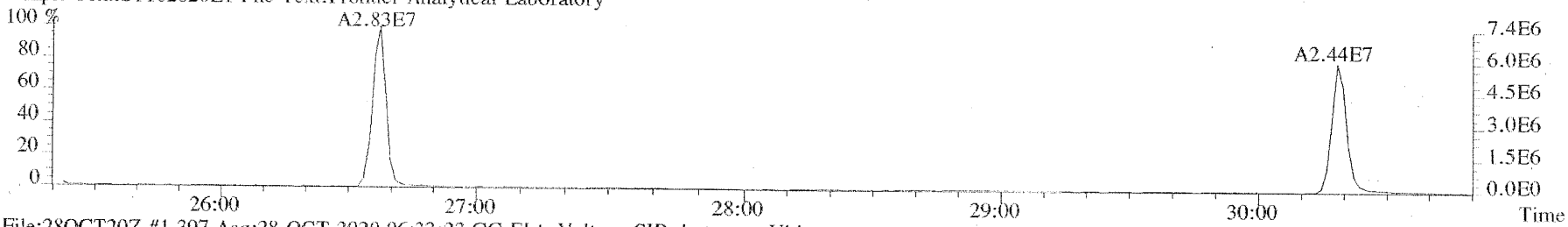
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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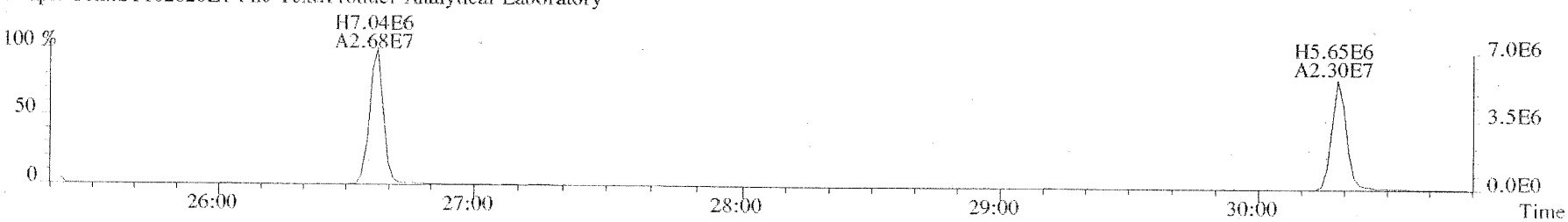
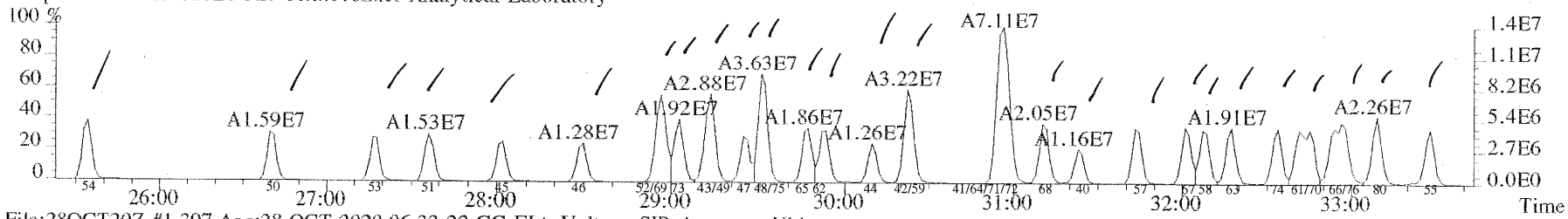
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-397 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



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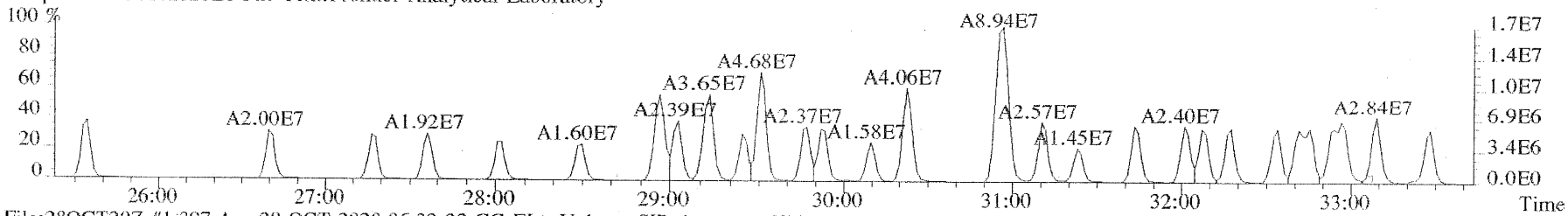
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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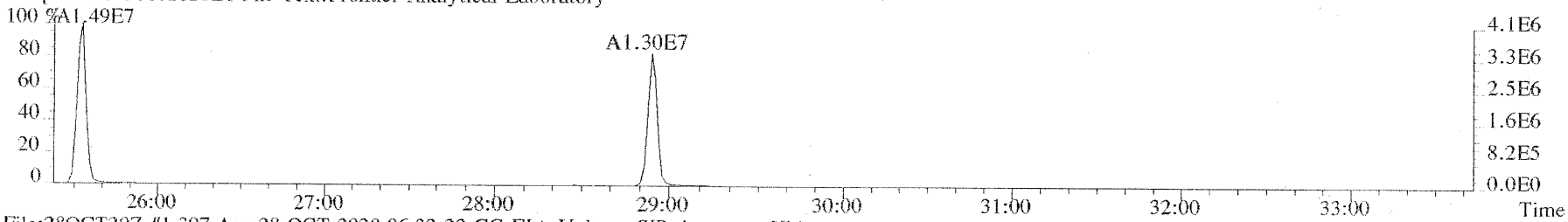
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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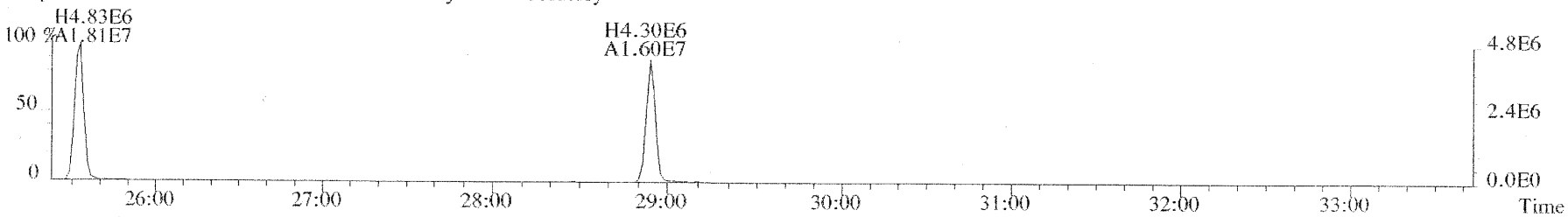
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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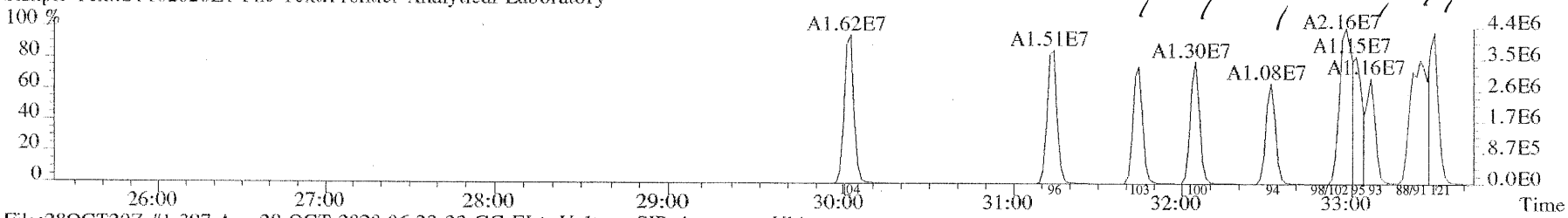
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-397 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
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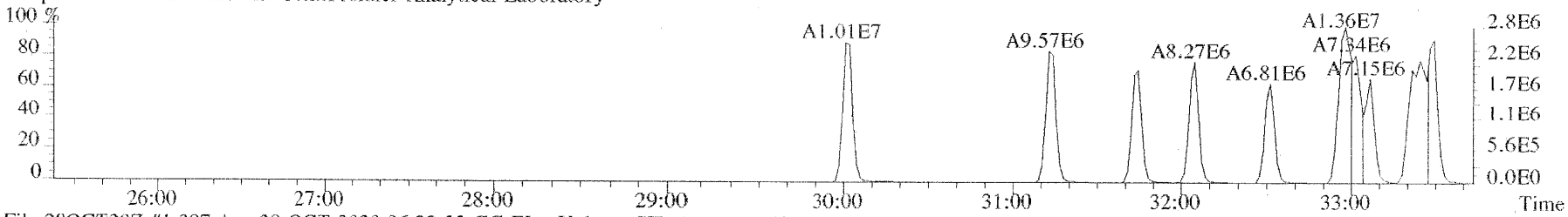
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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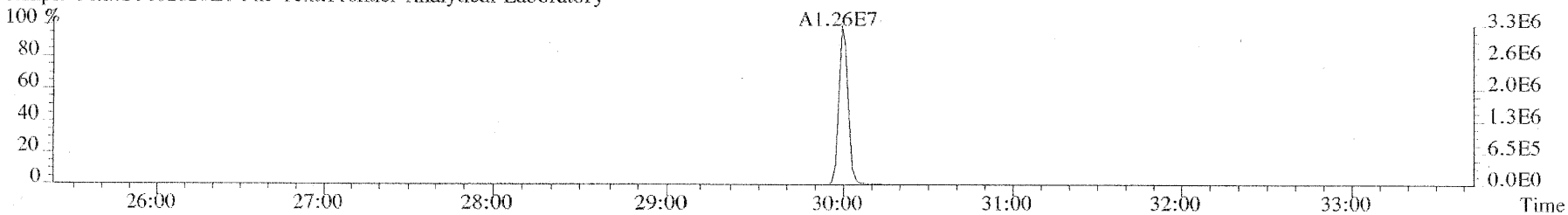

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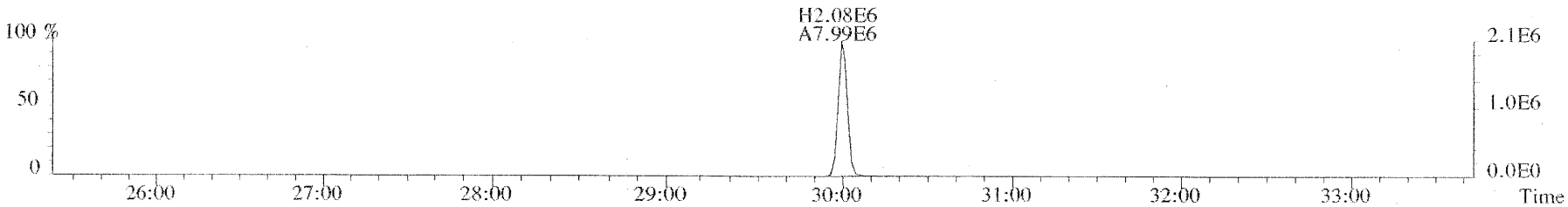
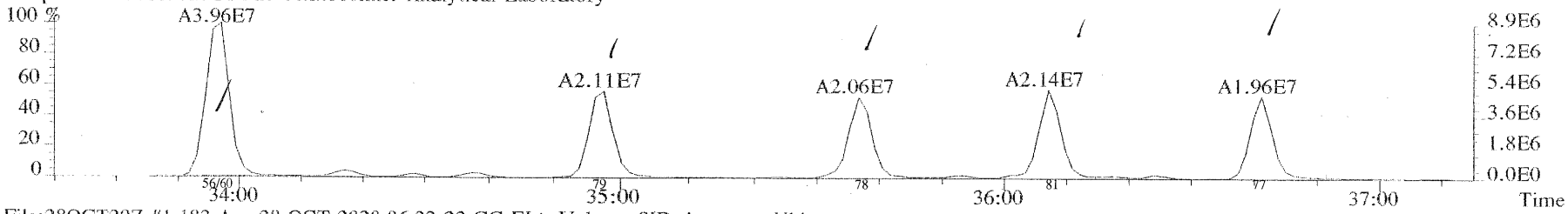


File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
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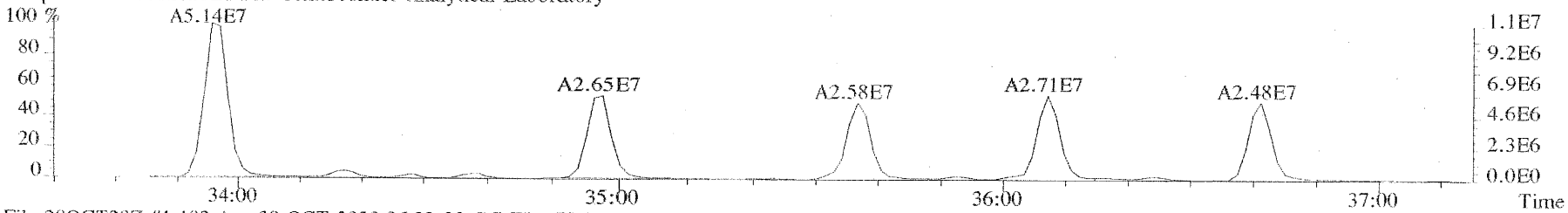
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



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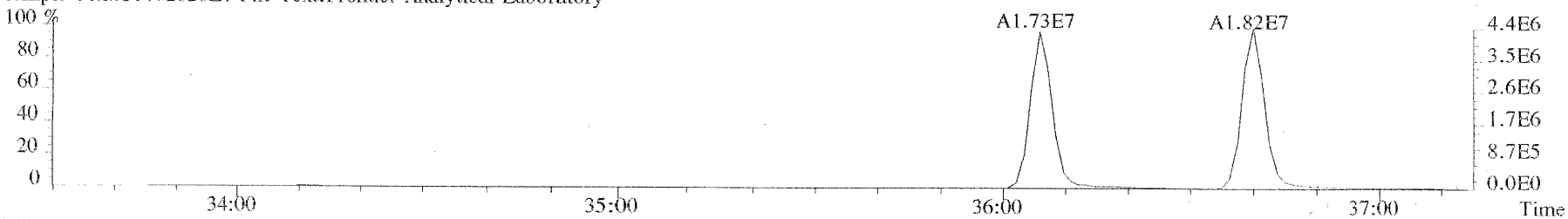
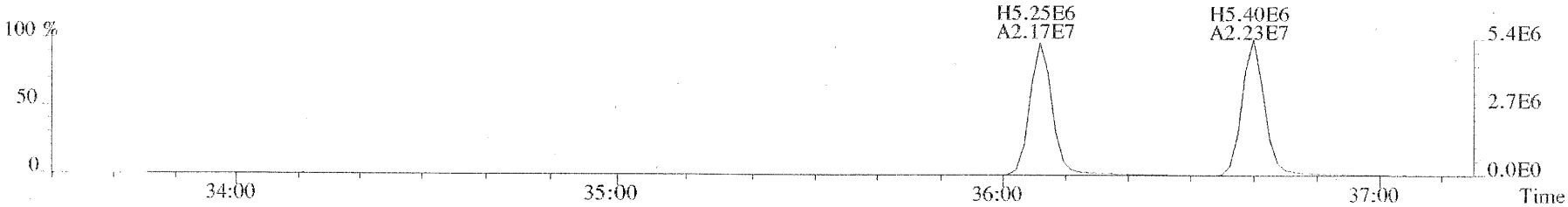
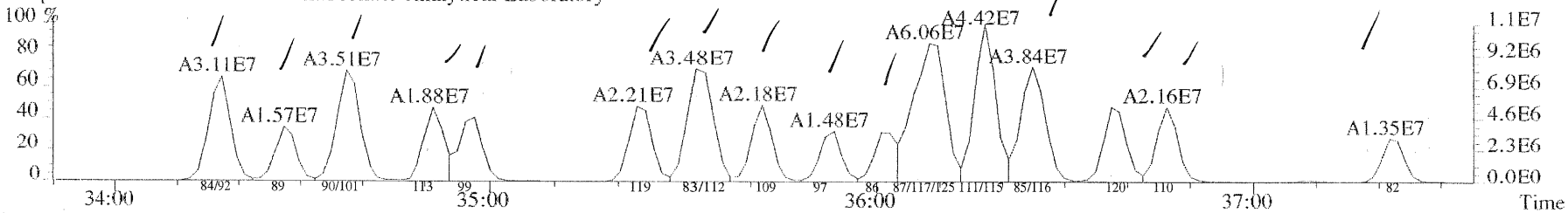
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



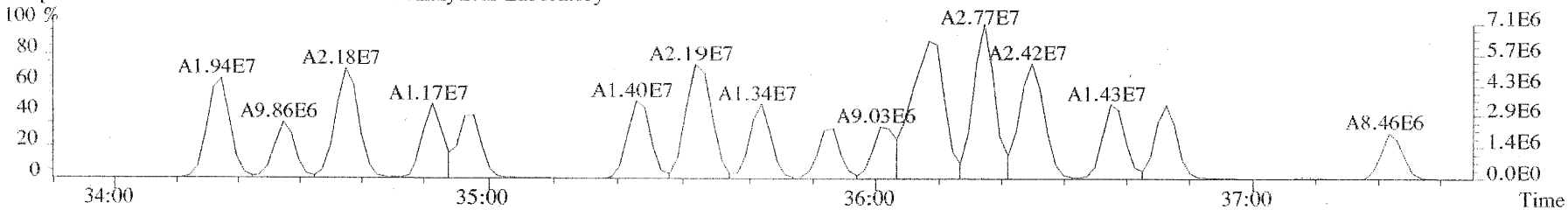
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



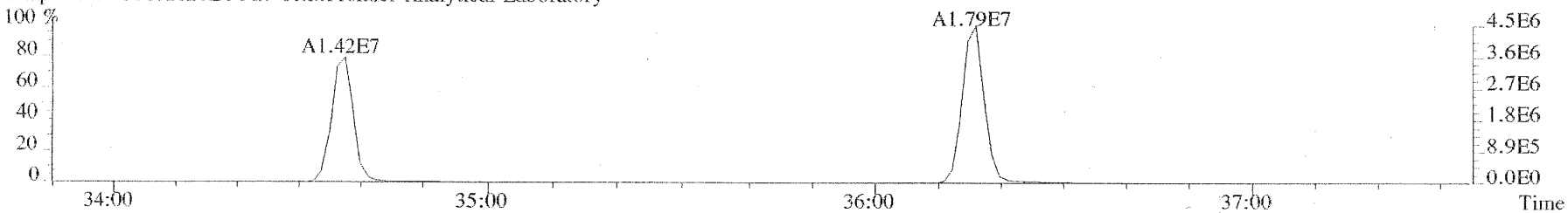
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



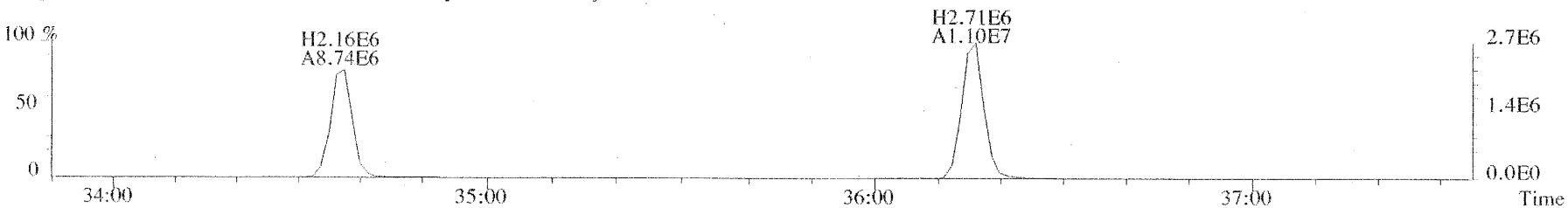
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



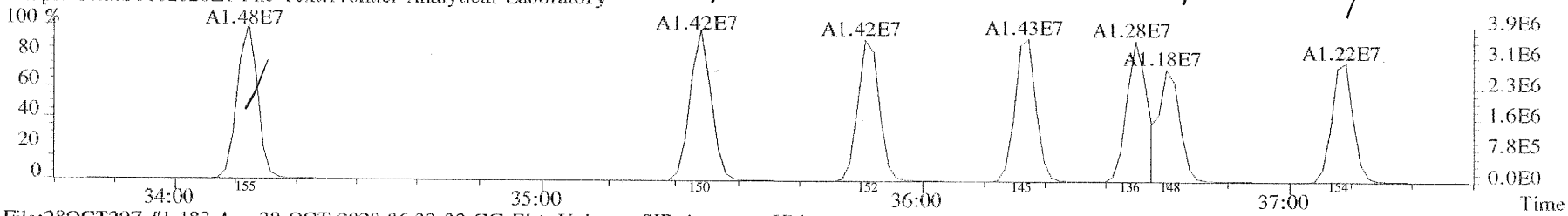
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



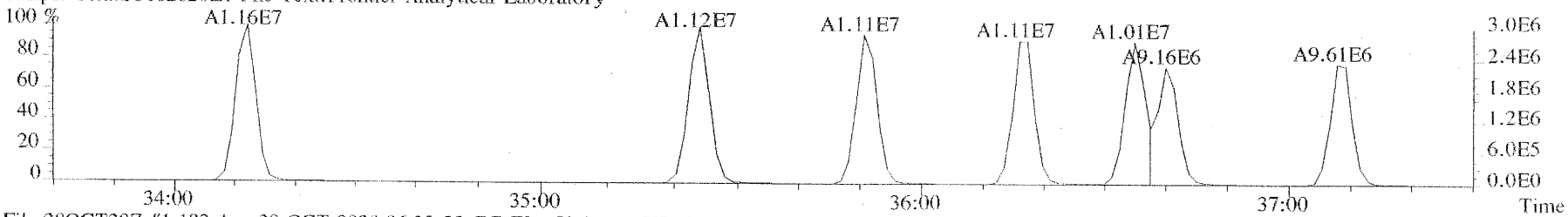
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



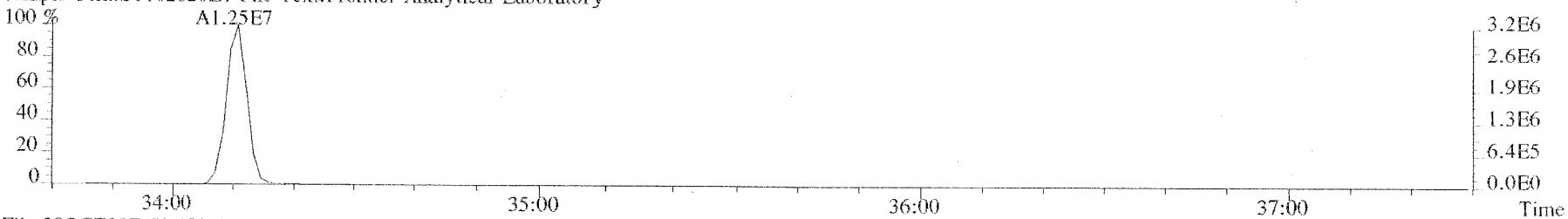
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



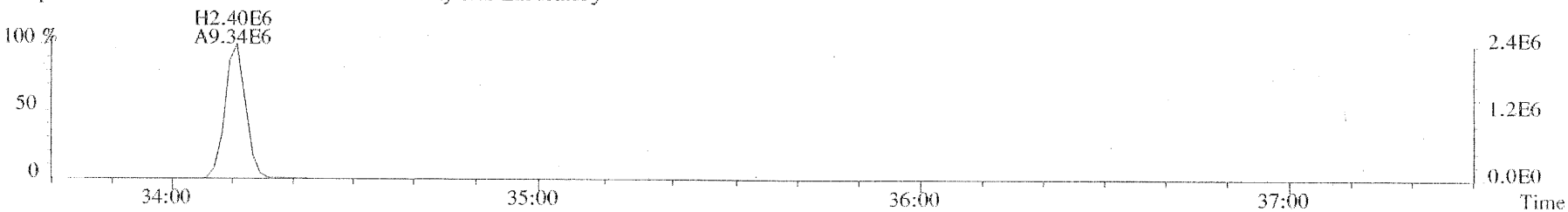
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



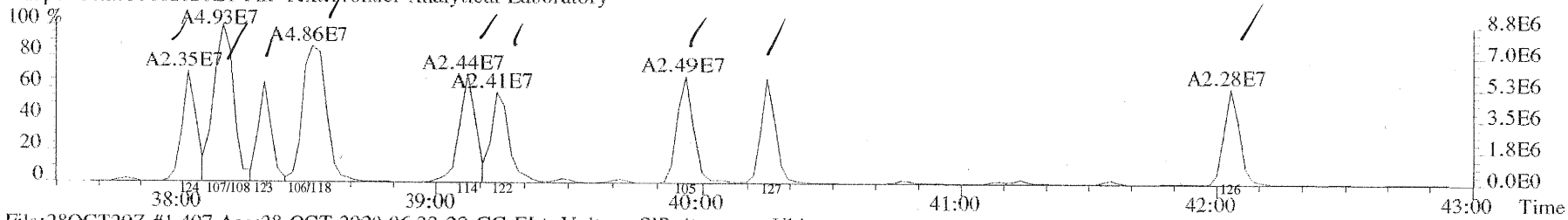
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



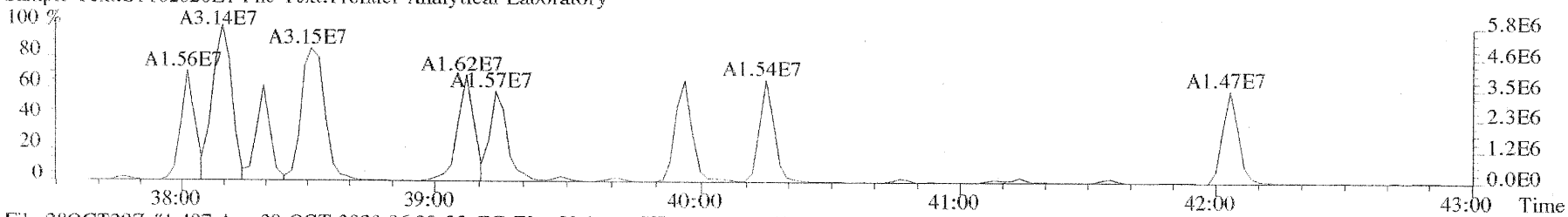
File:28OCT20Z #1-183 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



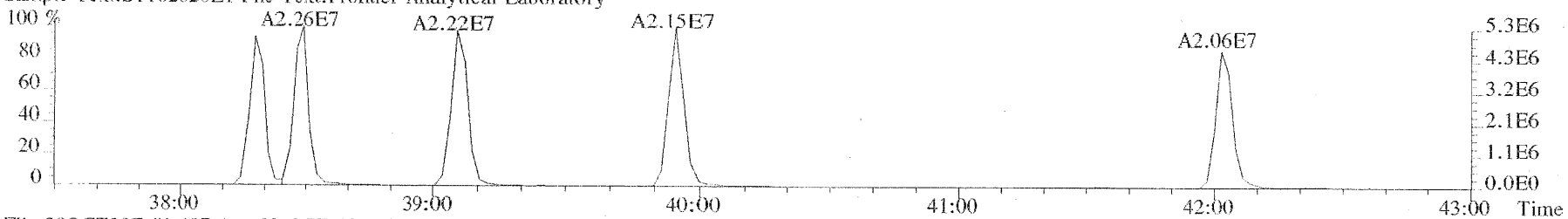
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



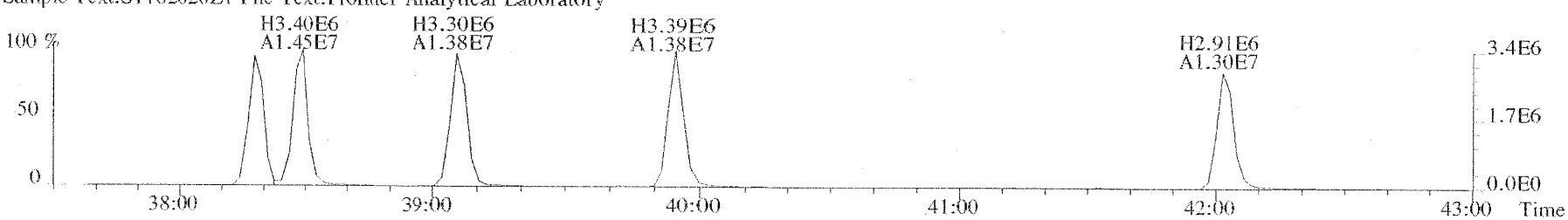
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



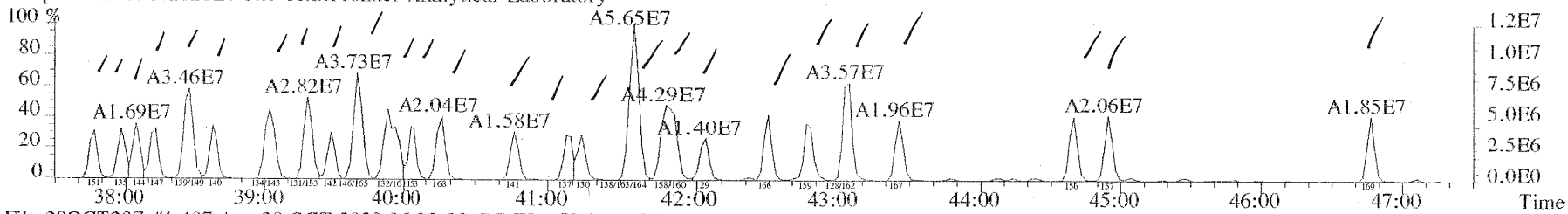
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



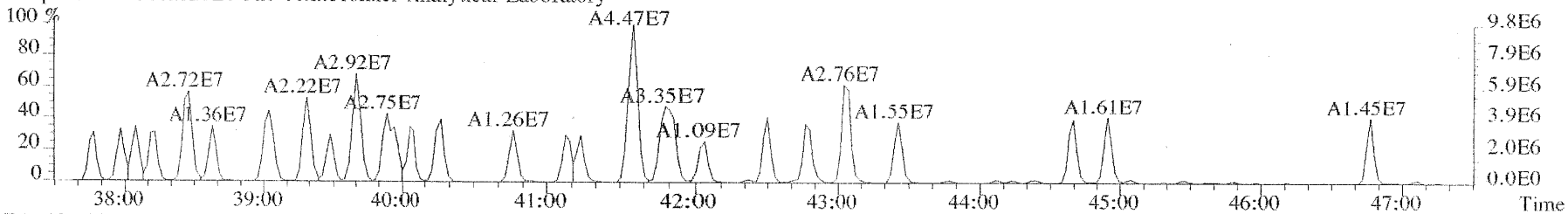
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



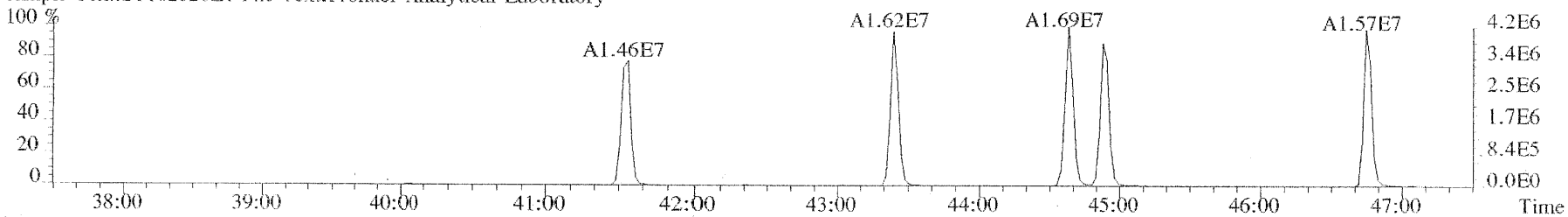
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



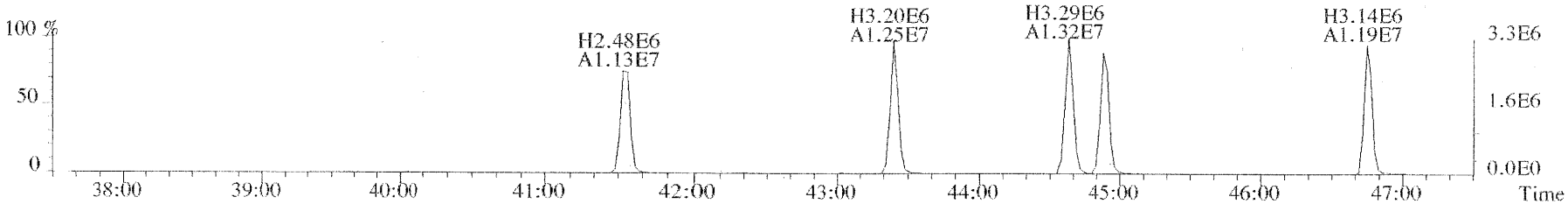
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 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:ST102820Z1 File Text:Frontier Analytical Laboratory



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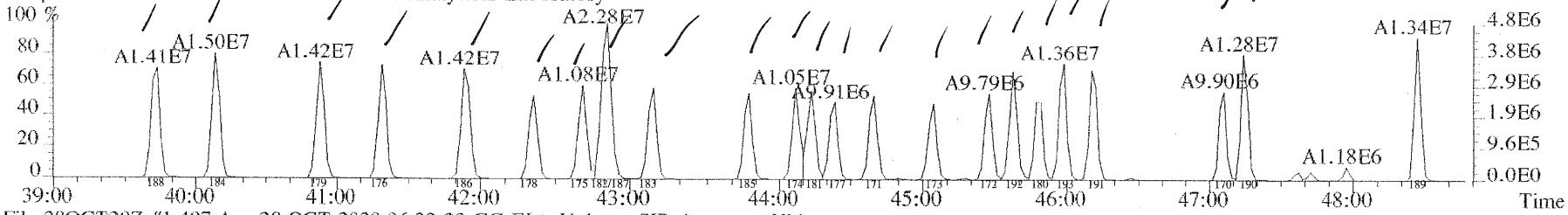
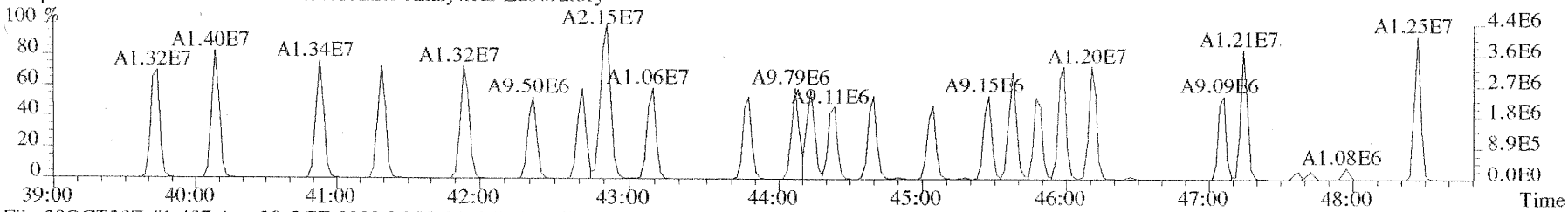
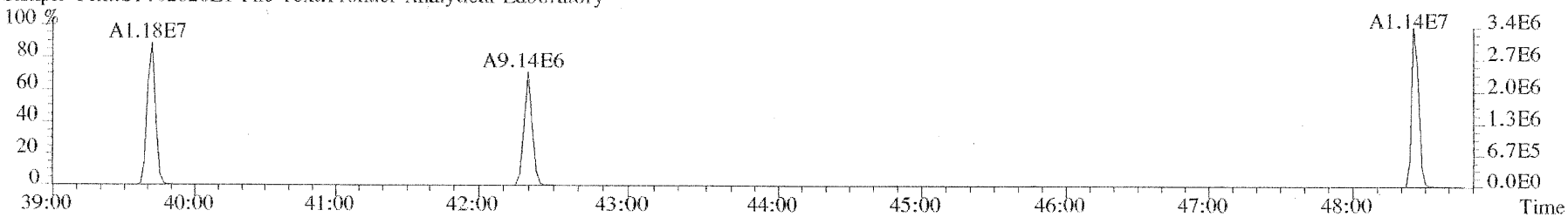
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



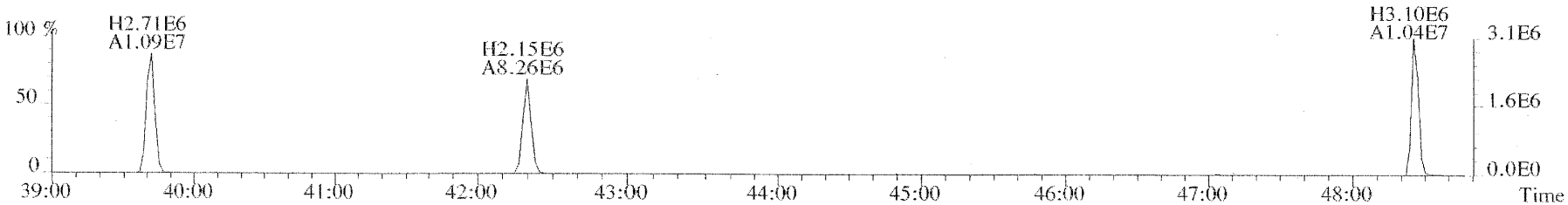
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



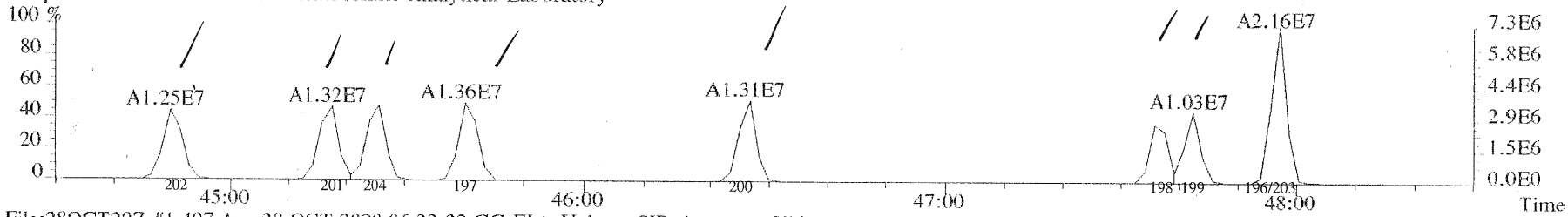
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



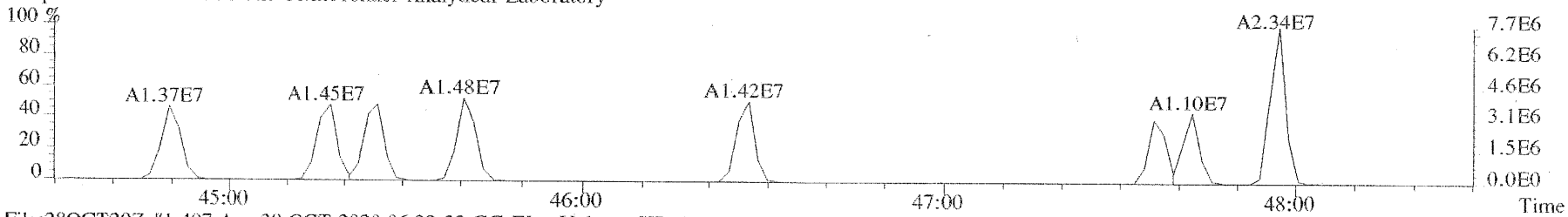
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



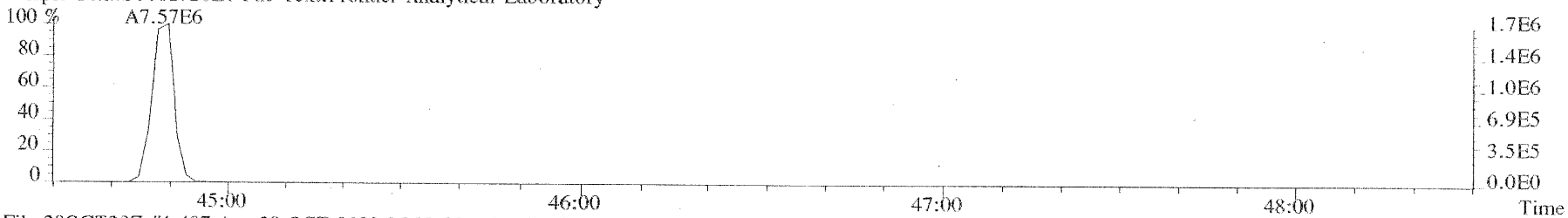
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



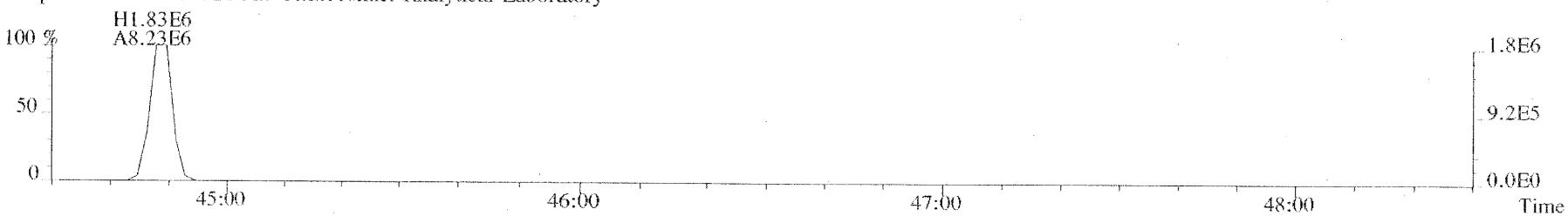
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



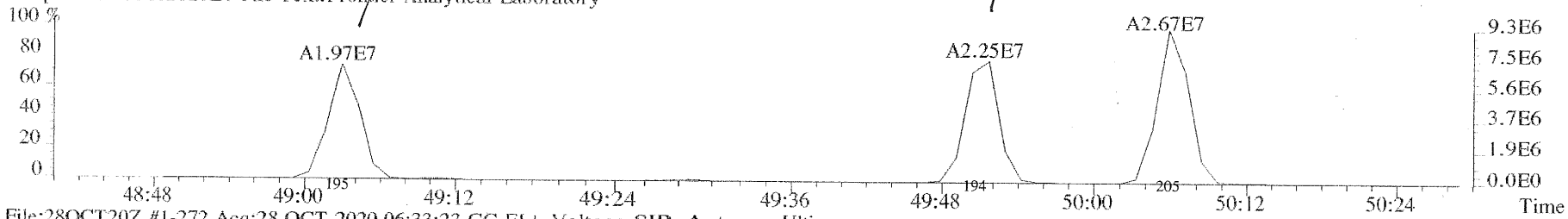
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



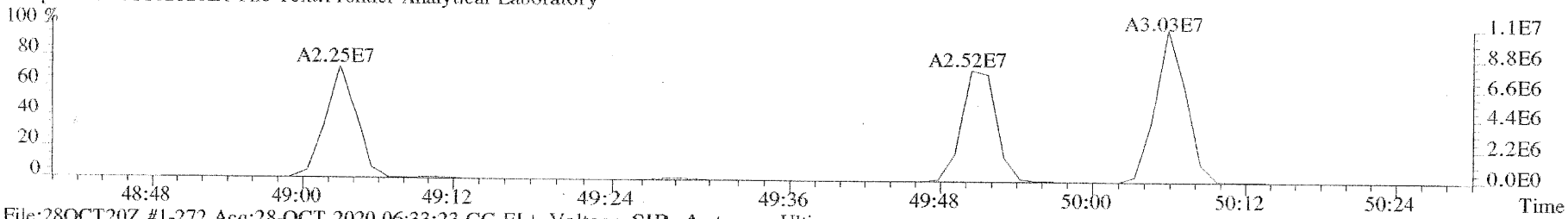
File:28OCT20Z #1-407 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



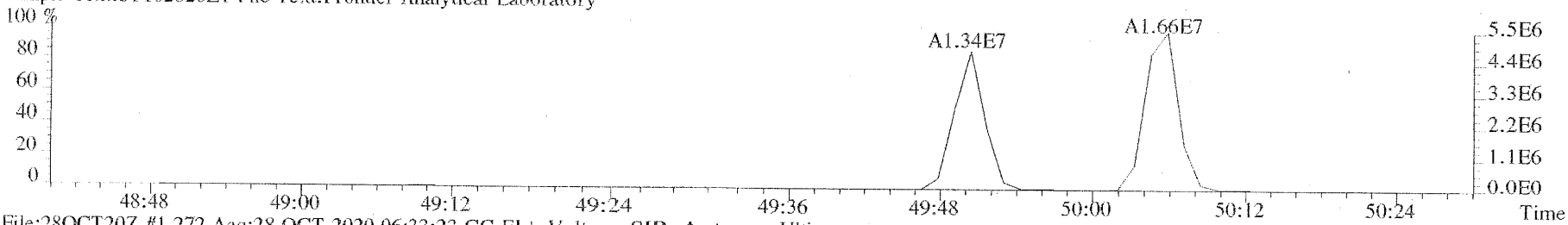
File:28OCT20Z #1-272 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



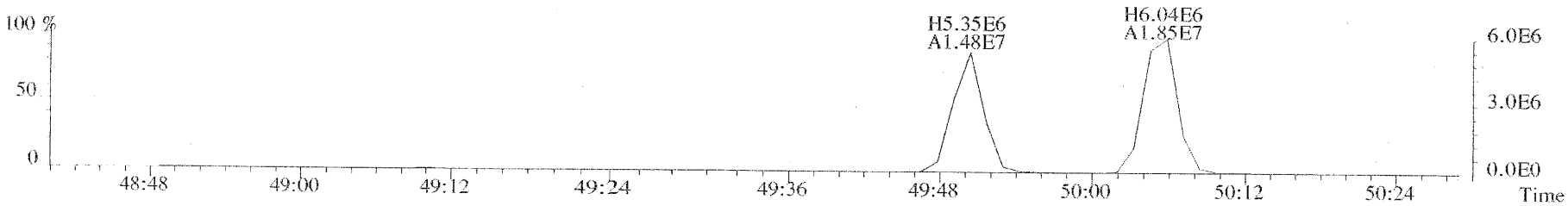
File:28OCT20Z #1-272 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



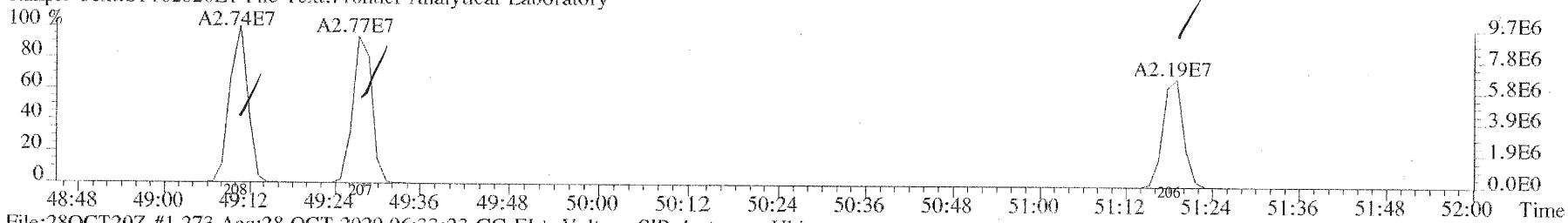
File:28OCT20Z #1-272 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



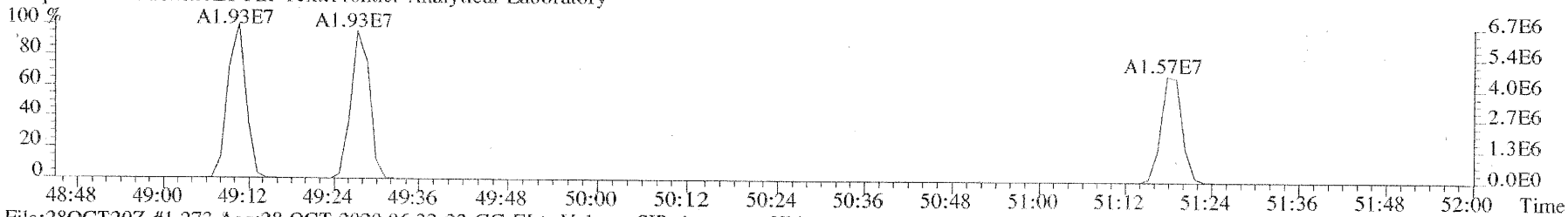
File:28OCT20Z #1-272 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



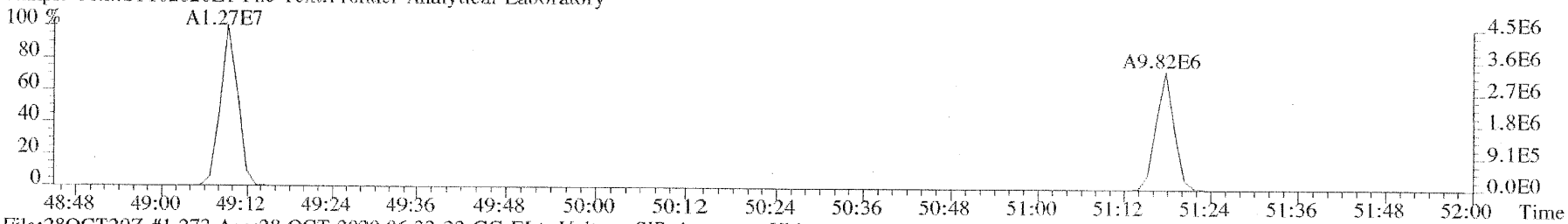
File:28OCT20Z #1-273 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



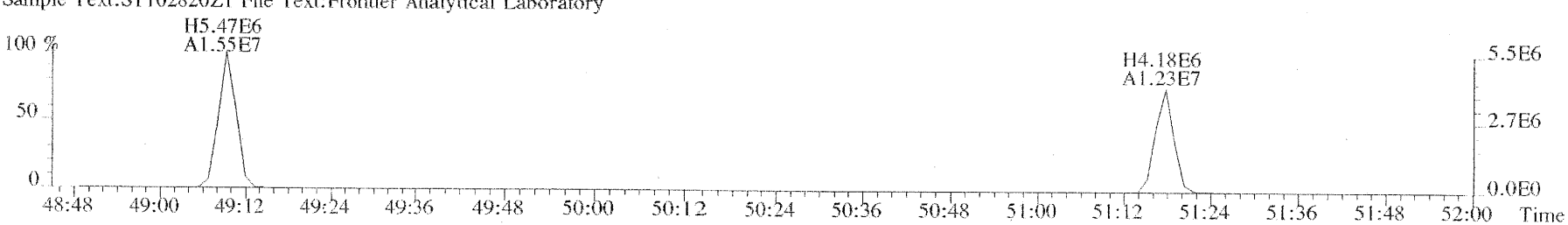
File:28OCT20Z #1-273 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



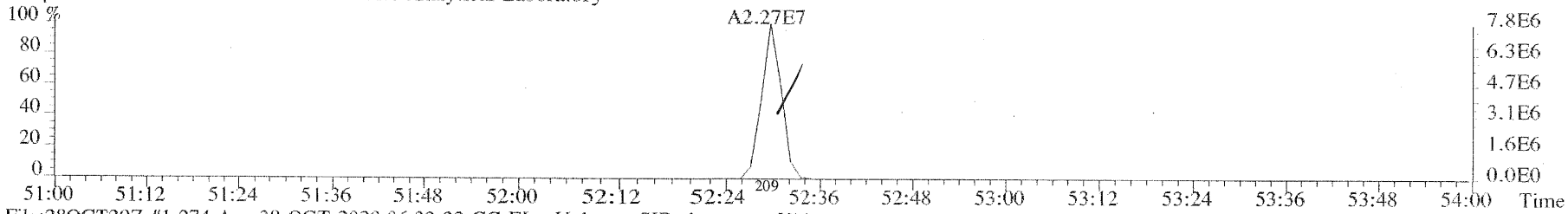
File:28OCT20Z #1-273 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



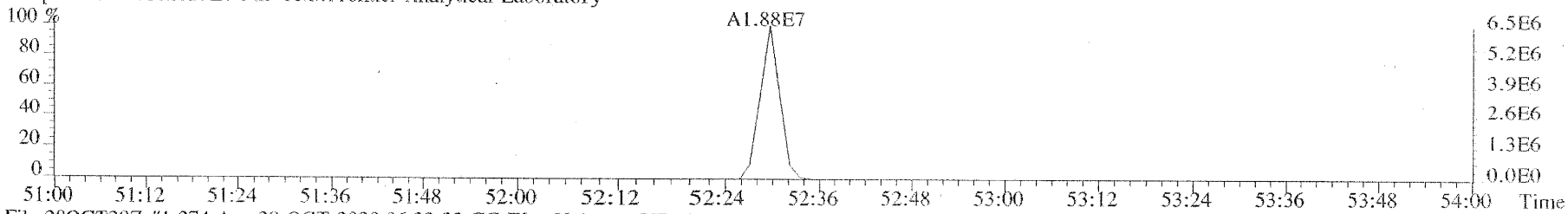
File:28OCT20Z #1-273 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



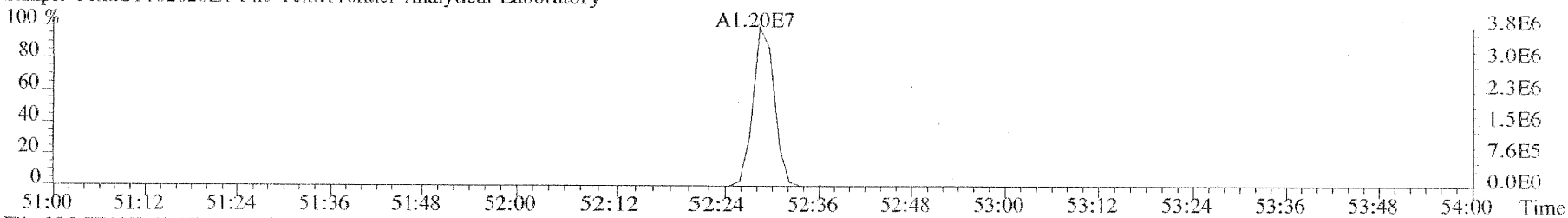
File:28OCT20Z #1-274 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



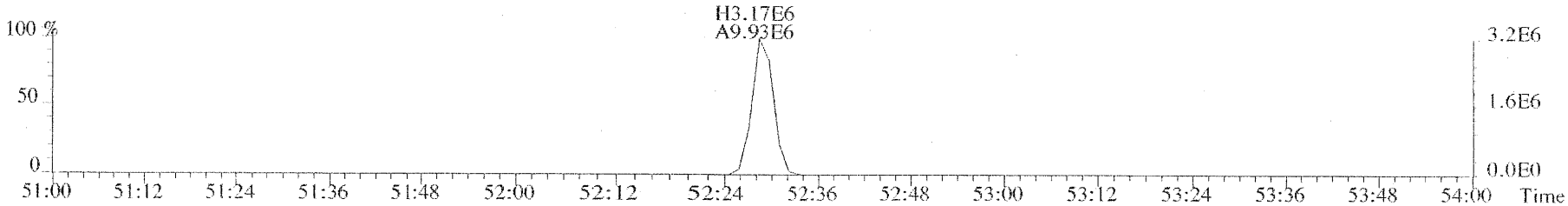
File:28OCT20Z #1-274 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory



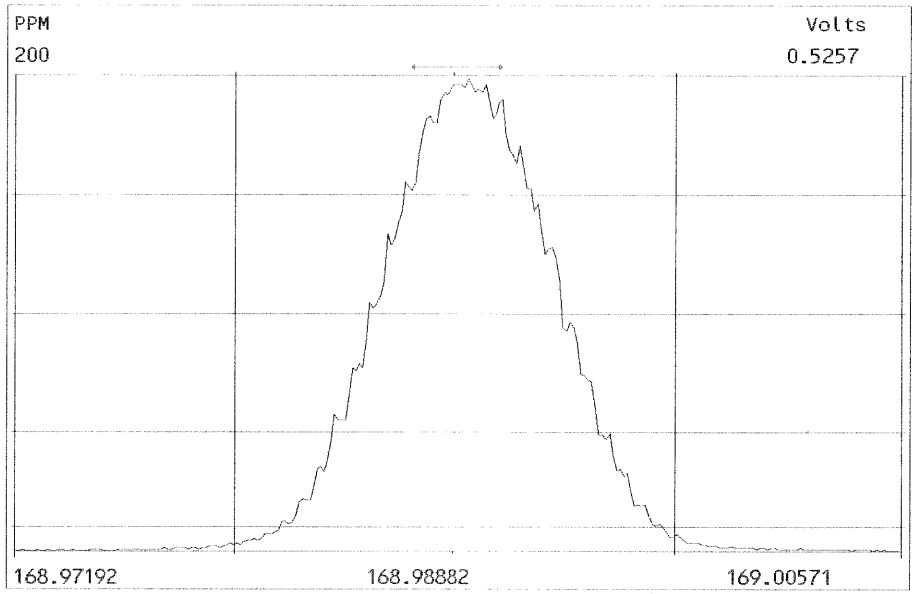
File:28OCT20Z #1-274 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory

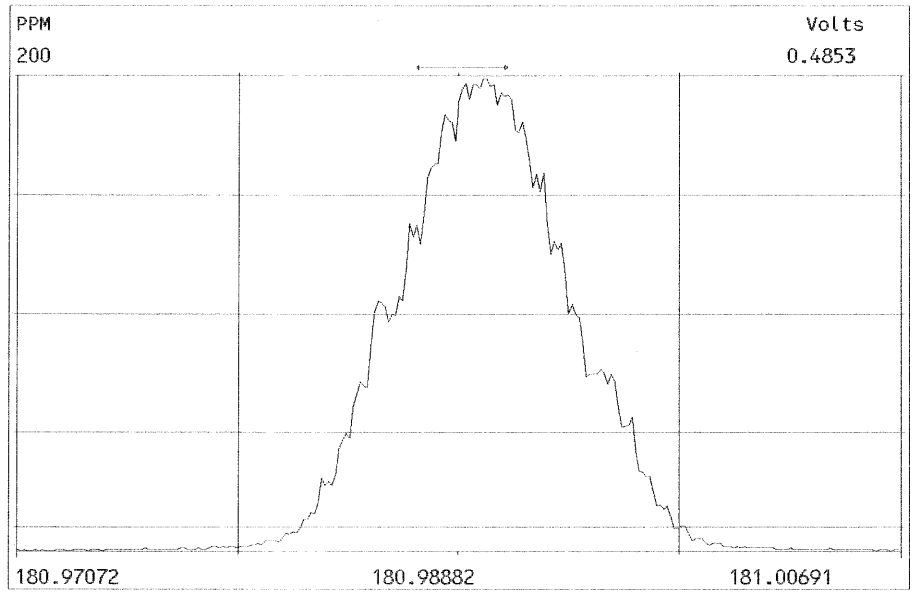


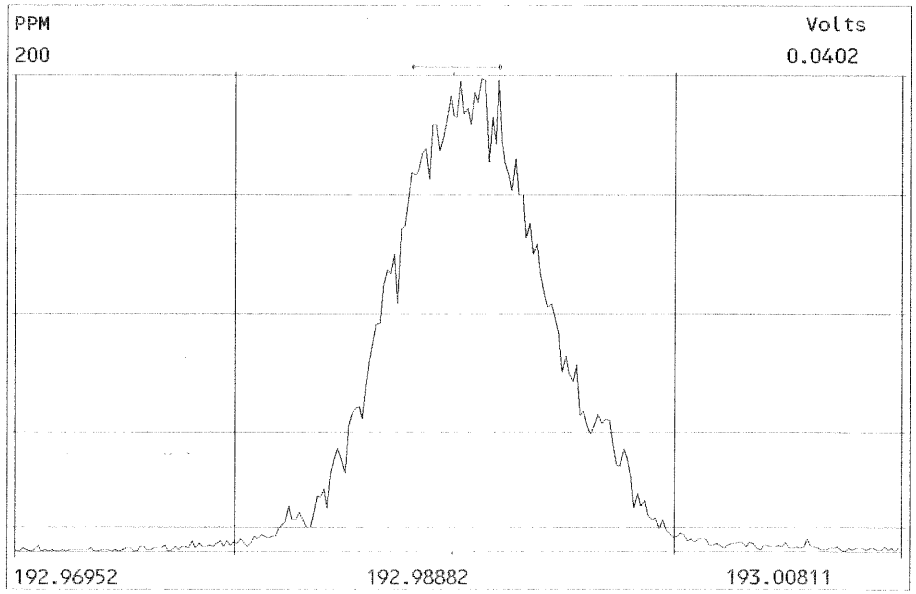
File:28OCT20Z #1-274 Acq:28-OCT-2020 06:33:23 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z1 File Text:Frontier Analytical Laboratory

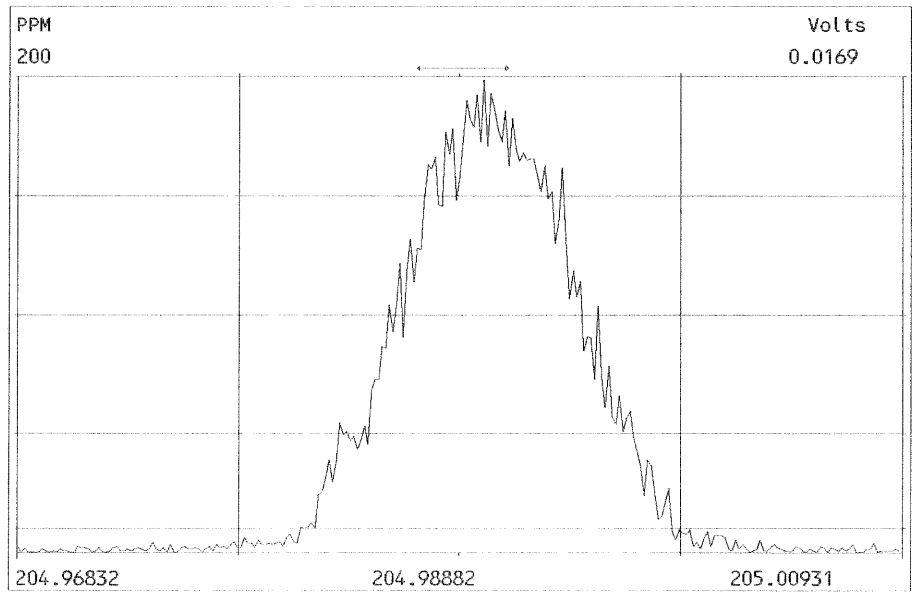


Peak Locate Examination:28-OCT-2020:18:42 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

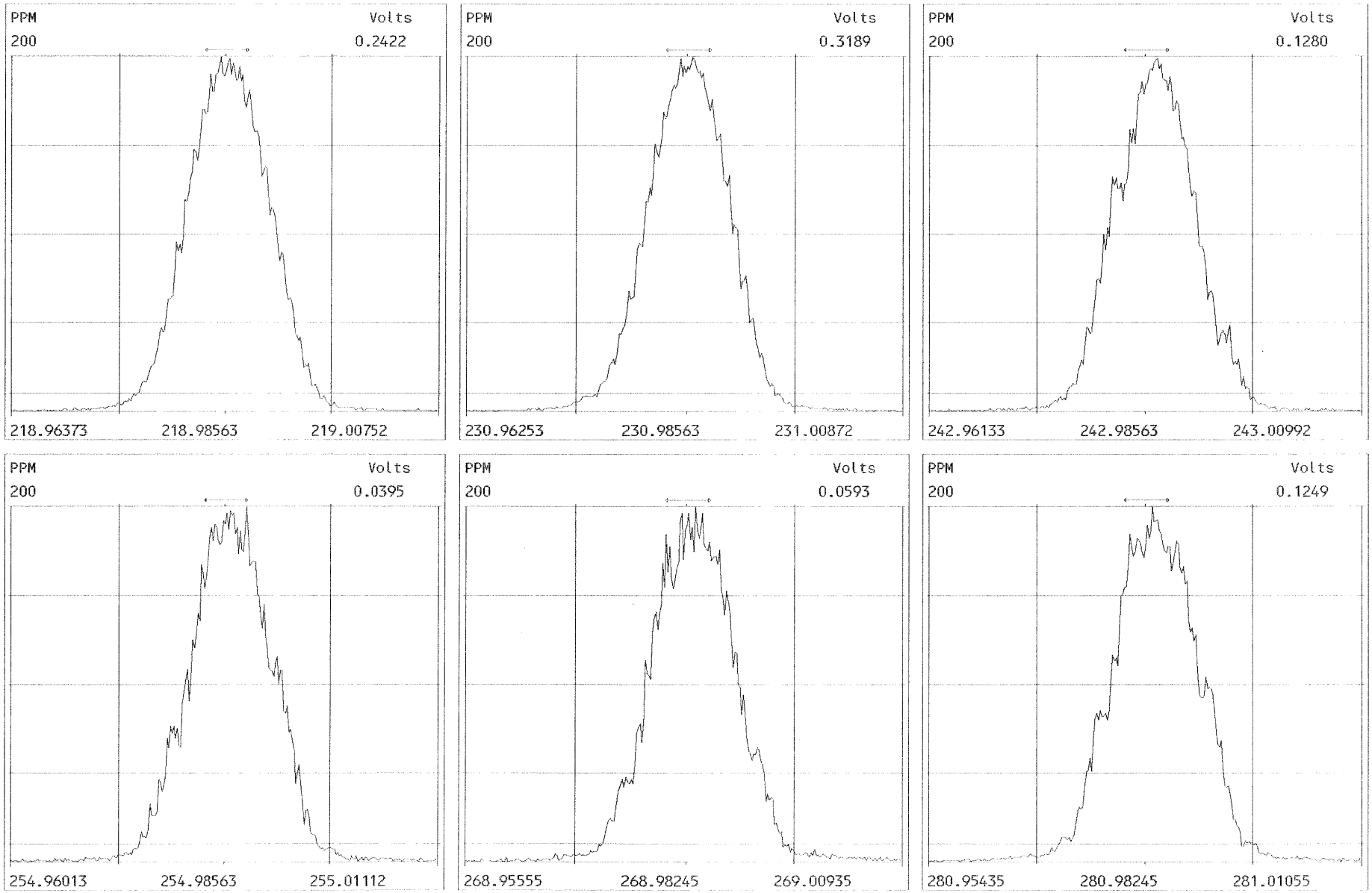




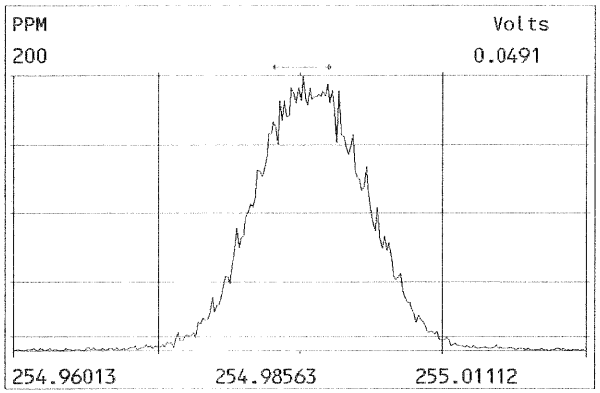


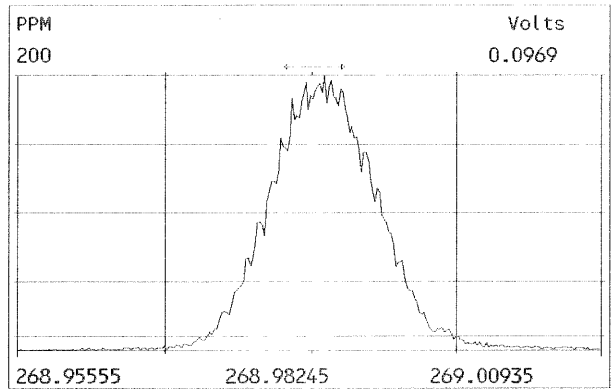


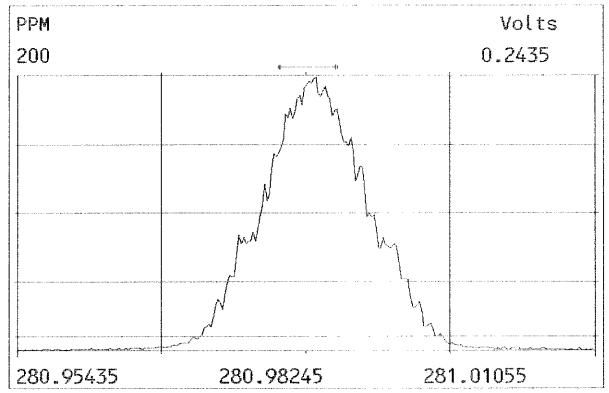
Peak Locate Examination:28-OCT-2020:18:44 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

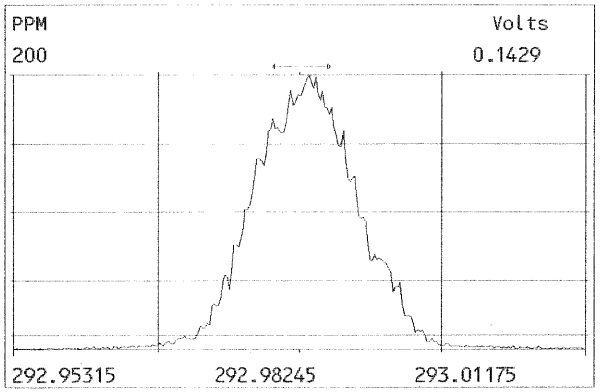


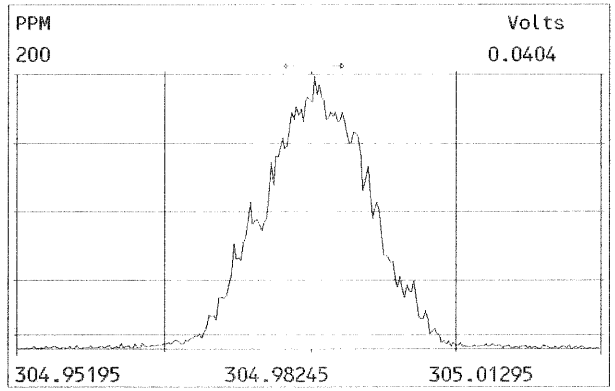
Peak Locate Examination:28-OCT-2020:18:47 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

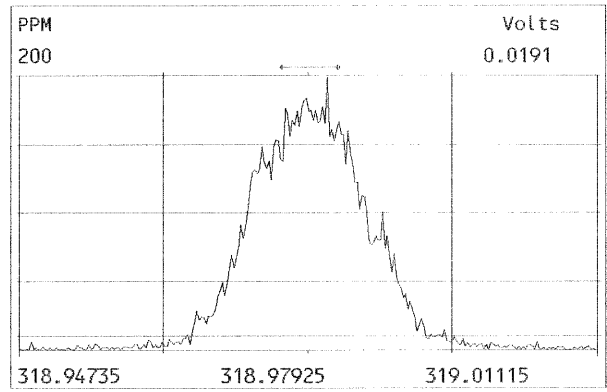


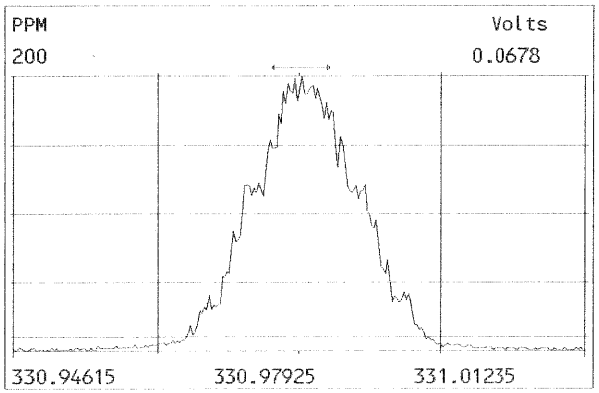


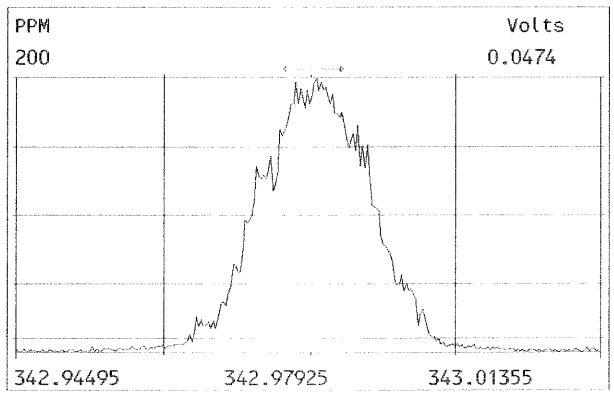




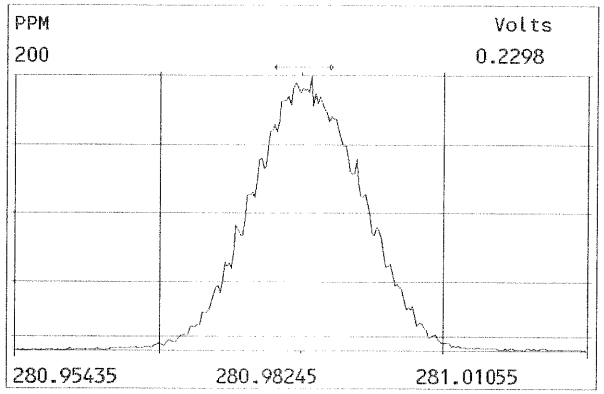


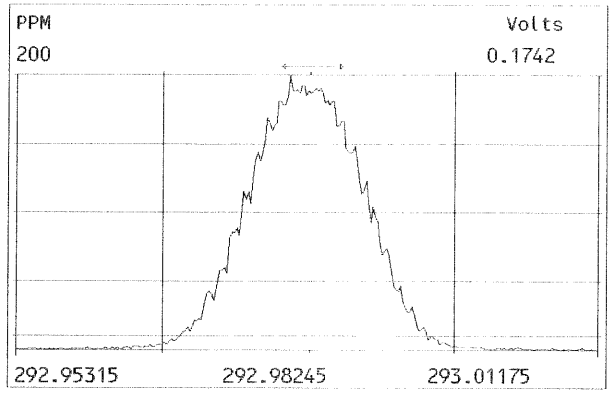


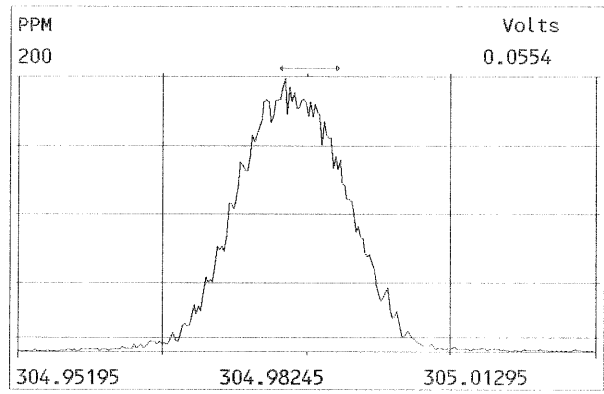


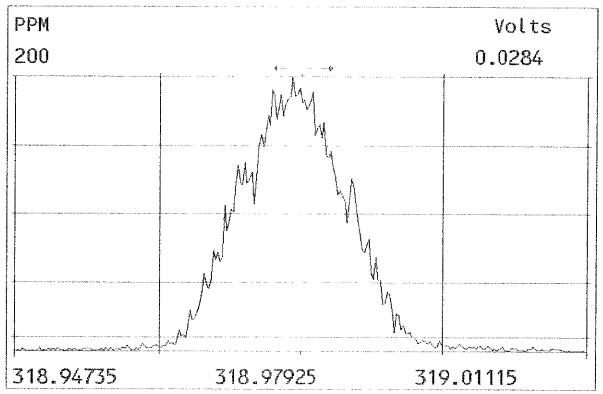


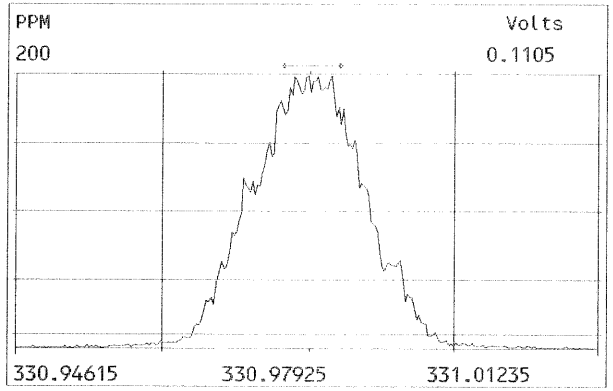
Peak Locate Examination:28-OCT-2020:18:49 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

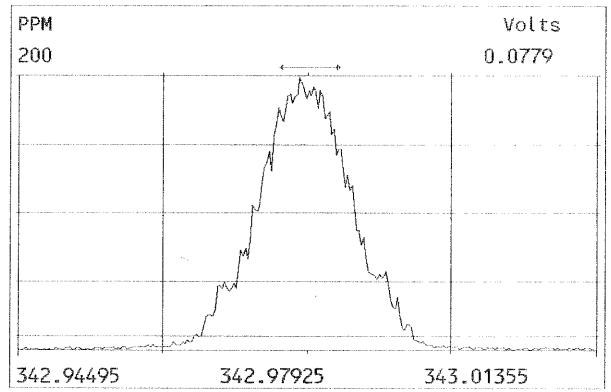


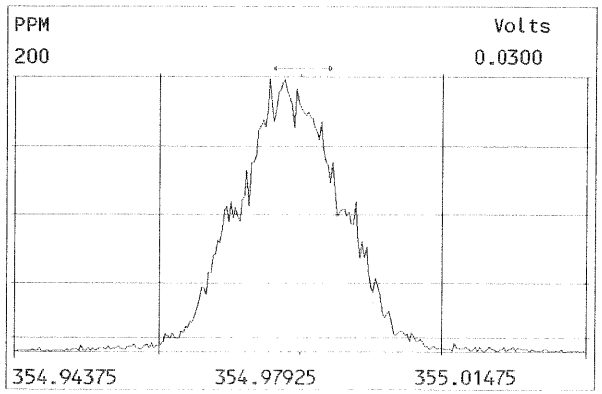


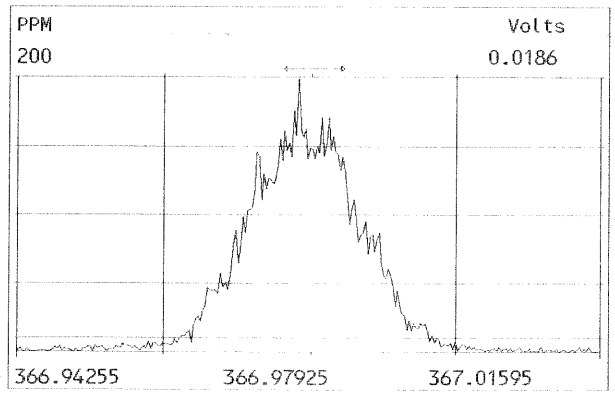


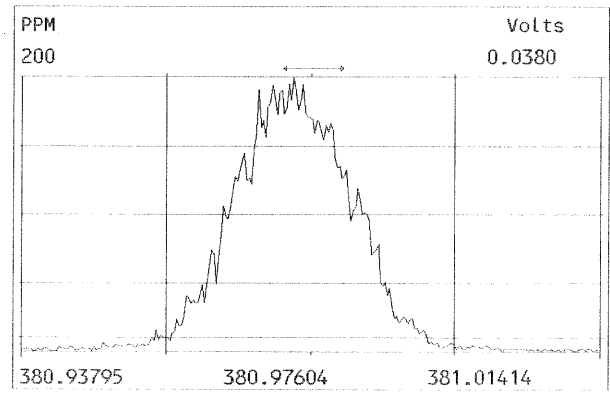




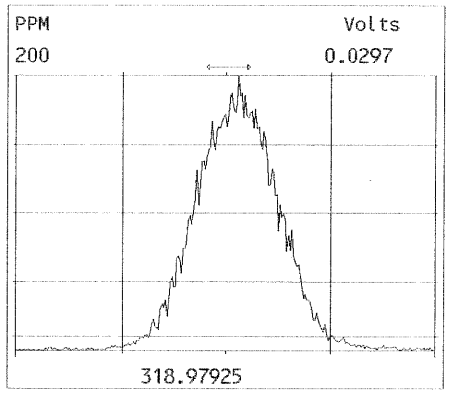


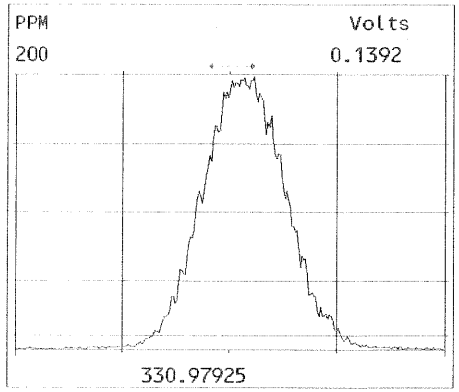


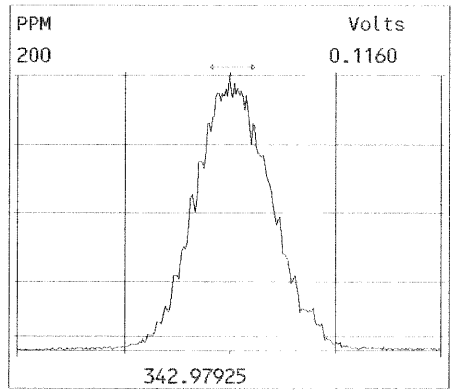


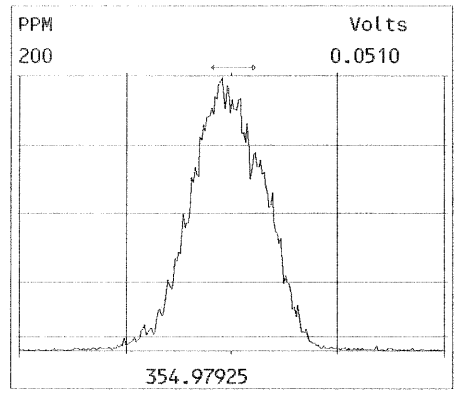


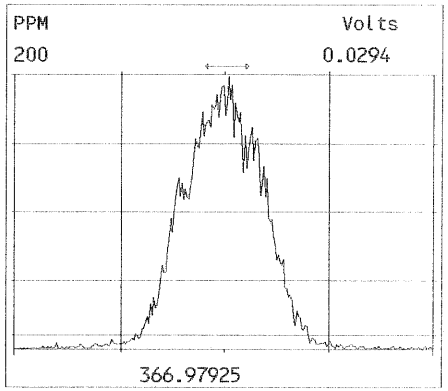
Peak Locate Examination:28-OCT-2020:18:52 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

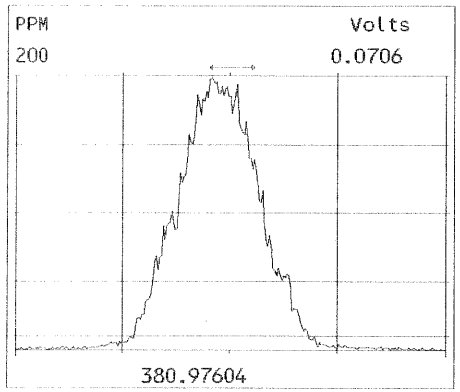


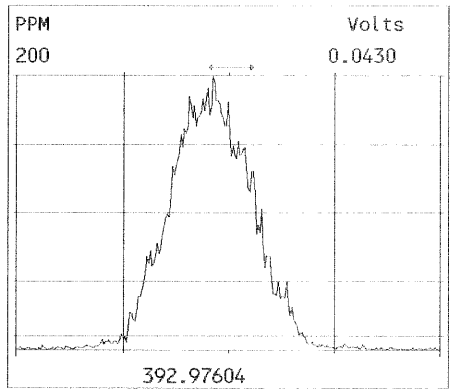


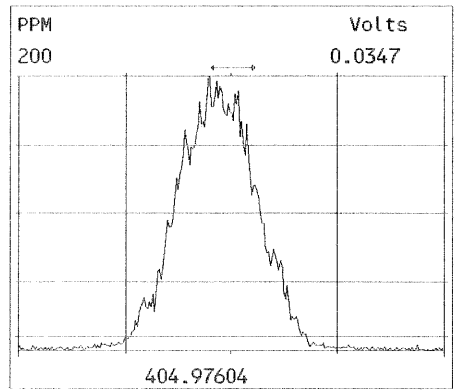


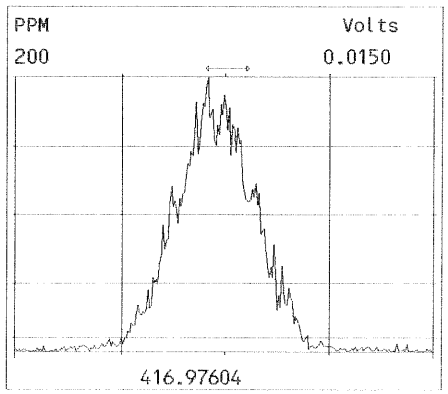


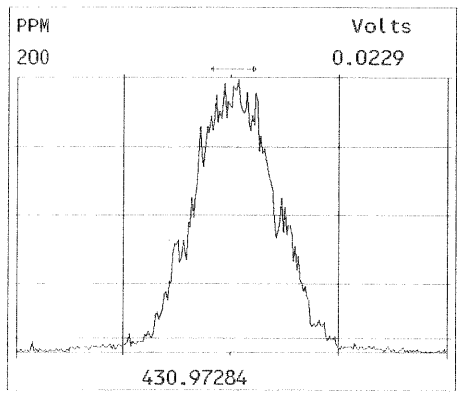


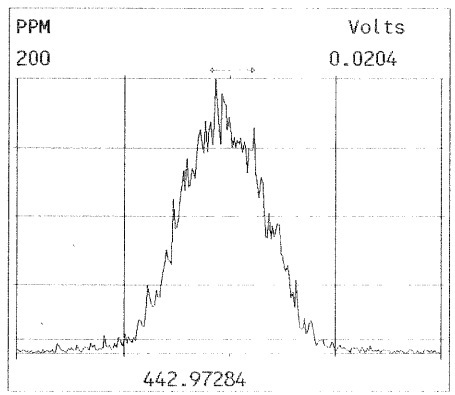




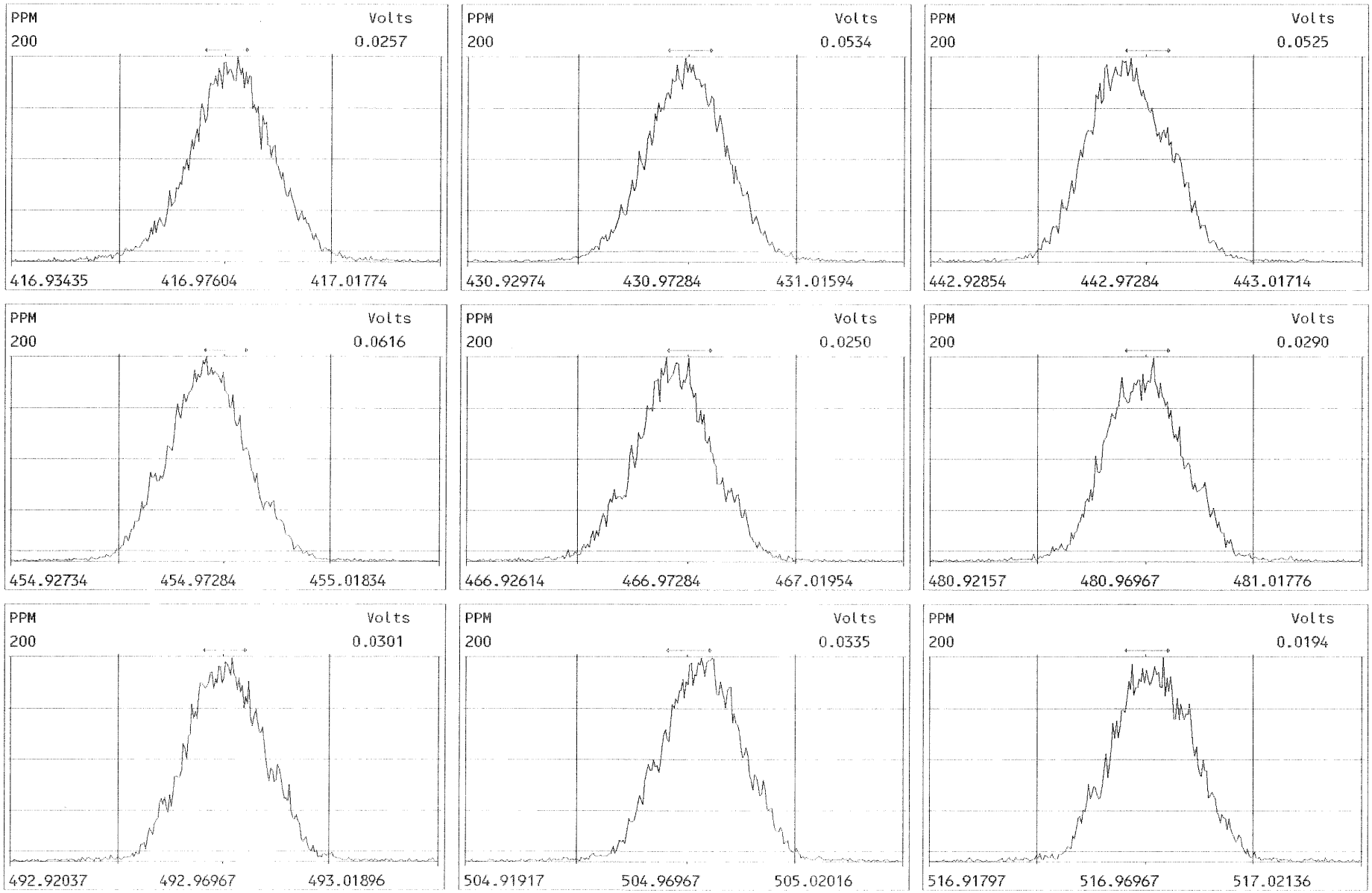








Peak Locate Examination:28-OCT-2020:18:54 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



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: 28OCT20Z Sam:12 Analysis Date: 28-OCT-20 17:15:15

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.25	2.66-3.60	y	59.1	37.5 - 62.5
PCB-3	M/M+2	3.29	2.66-3.60	y	58.3	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	51.9	37.5 - 62.5
PCB-15	M/M+2	1.50	1.33-1.79	y	55.3	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	58.9	37.5 - 62.5
PCB-37	M/M+2	1.01	0.88-1.20	y	50.1	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	118	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.76	0.65-0.89	y	119	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	122	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.53	1.32-1.78	y	104	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	206	150 - 250
PCB-123	M+2/M+4	1.52	1.32-1.78	y	98.8	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	107	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	109	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	116	75.0 - 125
PCB-157	M+2/M+4	1.29	1.05-1.43	y	119	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	115	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	117	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	115	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	116	75.0 - 125
PCB-202	M+2/M+4	0.90	0.76-1.02	y	166	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	152	112.5 - 187.5
PCB-206	M+4/M+6	1.39	1.13-1.53	y	173	112.5 - 187.5
PCB-208	M+4/M+6	1.42	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	170	112.5 - 187.5

Analyst: _____ Date: 11/2/20

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: 28OCT20Z Sam:12 Analysis Date: 28-OCT-20 17:15:15

	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	3.37	2.66-3.60	y	88.0	50.0 - 145
13C-PCB-3	M/M+2	3.33	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-4	M/M+2	1.55	1.33-1.79	y	92.1	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	82.0	50.0 - 145
13C-PCB-19	M/M+2	1.16	0.88-1.20	y	72.7	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	98.4	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	98.9	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	120	50.0 - 145
13C-PCB-81	M/M+2	0.83	0.65-0.89	y	107	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	64.6	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	117	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	118	50.0 - 145
13C-PCB-118	M+2/M+4	1.62	1.32-1.78	y	113	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	110	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	82.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	103	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	98.8	50.0 - 145
13C-PCB-167	M+2/M+4	1.31	1.05-1.43	y	92.2	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	96.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	74.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	80.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	59.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	94.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	84.2	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	76.1	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	69.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	124	65.0 - 135
13C-PCB-111	M+2/M+4	1.66	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	82.8	75.0 - 125

Analyst: _____ Date: 11/8/20

FAL ID: ST102820Z2 Filename: 28OCT20Z Sam:12 Acquired: 28-OCT-20 17:15:15 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.74e+07	3.25 y	14:31	1.21	59.1		2.50	-	-	*	-
13C-PCB-1	5.22e+07	3.37 y	14:30	0.90	88.0		2.50				88.0
PCB-3	3.57e+07	3.29 y	16:56	1.23	58.3		2.50	-	-	*	-
13C-PCB-3	4.98e+07	3.33 y	16:56	0.93	81.2		2.50				81.2
PCB-4	2.37e+07	1.49 y	18:12	1.14	51.9		2.50	-	-	*	-
13C-PCB-4	4.01e+07	1.55 y	18:10	0.66	92.1		2.50				92.1
PCB-15	3.55e+07	1.50 y	23:42	1.09	55.3		2.50	-	-	*	-
13C-PCB-15	5.88e+07	1.61 y	23:41	1.09	82.0		2.50				82.0
PCB-19	1.73e+07	1.09 y	22:03	1.21	58.9		2.50	-	-	*	-
13C-PCB-19	2.42e+07	1.16 y	22:03	0.50	72.7		2.50				72.7
13C-PCB-9	6.60e+07	1.61 y	19:50	-	64.7		2.50				
PCB-37	2.58e+07	1.01 y	30:21	1.14	50.1		2.50	-	-	*	-
13C-PCB-37	4.50e+07	1.09 y	30:19	1.64	98.4		2.50				98.4
PCB-54	4.85e+07	0.81 y	25:35	1.18	118		2.50	-	-	*	-
13C-PCB-54	3.48e+07	0.83 y	25:34	1.26	98.9		2.50				98.9
PCB-104	2.50e+07	1.58 y	30:02	1.12	122		2.50	-	-	*	-
13C-PCB-104	1.84e+07	1.59 y	30:00	1.02	64.6		2.50				64.6
13C-PCB-28	6.00e+07	1.06 y	26:38	1.73	124		2.50				124
13C-PCB-52	2.79e+07	0.81 y	28:55	-	52.4		2.50				
PCB-81	5.20e+07	0.76 y	36:07	1.13	119		2.50	-	-	*	-
13C-PCB-81	3.85e+07	0.83 y	36:06	1.57	107		2.50				107
PCB-77	4.94e+07	0.81 y	36:41	1.10	101		2.50	-	-	*	-
13C-PCB-77	4.43e+07	0.81 y	36:40	1.61	120		2.50				120
PCB-155	2.57e+07	1.29 y	34:12	1.13	109		2.50	-	-	*	-
13C-PCB-155	2.08e+07	1.34 y	34:10	1.10	82.0		2.50				82.0
13C-PCB-111	2.94e+07	1.66 y	36:16	1.27	101		2.50				101
13C-PCB-101	2.30e+07	1.67 y	34:37	-	48.2		2.50				
PCB-123	4.08e+07	1.52 y	38:19	1.11	98.8		2.50	-	-	*	-
13C-PCB-123	3.72e+07	1.59 y	38:17	1.28	110		2.50				110
PCB-118	9.29e+07	1.58 y	38:31	1.12	206		2.50	-	-	*	-
13C-PCB-118	4.03e+07	1.62 y	38:27	1.35	113		2.50				113
PCB-114	4.70e+07	1.53 y	39:07	1.13	104		2.50	-	-	*	-
13C-PCB-114	4.01e+07	1.59 y	39:05	1.29	118		2.50				118
PCB-105	4.77e+07	1.55 y	39:56	1.10	110		2.50	-	-	*	-
13C-PCB-105	3.94e+07	1.61 y	39:55	1.28	117		2.50				117
PCB-126	4.25e+07	1.55 y	42:03	1.08	107		2.50	-	-	*	-
13C-PCB-126	3.66e+07	1.60 y	42:01	1.23	113		2.50				113
PCB-167	3.81e+07	1.26 y	43:25	1.11	115		2.50	-	-	*	-
13C-PCB-167	2.99e+07	1.31 y	43:24	1.23	92.2		2.50				92.2
PCB-156	4.23e+07	1.28 y	44:39	1.13	116		2.50	-	-	*	-
13C-PCB-156	3.23e+07	1.29 y	44:38	1.19	103		2.50				103
PCB-157	4.09e+07	1.29 y	44:54	1.08	119		2.50	-	-	*	-
13C-PCB-157	3.17e+07	1.31 y	44:52	1.21	98.8		2.50				98.8
PCB-169	3.75e+07	1.27 y	46:46	1.08	117		2.50	-	-	*	-
13C-PCB-169	2.96e+07	1.28 y	46:44	1.17	96.0		2.50				96.0
PCB-188	2.80e+07	1.06 y	39:41	1.10	115		2.50	-	-	*	-
13C-PCB-188	2.21e+07	1.09 y	39:40	1.13	74.5		2.50				74.5
PCB-189	2.55e+07	1.09 y	48:26	1.07	116		2.50	-	-	*	-
13C-PCB-189	2.05e+07	1.09 y	48:25	0.97	80.6		2.50				80.6
PCB-202	2.58e+07	0.90 y	44:49	1.03	166		2.50	-	-	*	-
13C-PCB-202	1.51e+07	0.93 y	44:48	0.96	59.9		2.50				59.9
13C-PCB-178	1.70e+07	1.08 y	42:19	0.78	82.8		2.50				82.8
13C-PCB-138	2.64e+07	1.31 y	41:32	-	54.9		2.50				

Client ID: CS209 200406A ConCal: ST102820Z1 EndCal: ST102820Z2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.20e+07	0.88	y	50:05	1.09	152	2.50	-	-	*	-
13C-PCB-205	3.77e+07	0.90	y	50:05	1.32	94.6	2.50				94.6
PCB-208	5.14e+07	1.42	y	49:10	1.01	161	2.50	-	-	*	-
13C-PCB-208	3.17e+07	0.81	y	49:09	1.38	76.1	2.50				76.1
PCB-206	4.29e+07	1.39	y	51:17	1.04	173	2.50	-	-	*	-
13C-PCB-206	2.39e+07	0.81	y	51:17	0.94	84.2	2.50				84.2
PCB-209	4.45e+07	1.19	y	52:29	1.13	170	2.50	-	-	*	-
13C-PCB-209	2.33e+07	1.21	y	52:28	1.10	69.8	2.50				69.8
13C-PCB-194	3.02e+07	0.91	y	49:50	-	79.4	2.50				

Analyst: _____ Date: 11/3/21

Frontier Analytical Laboratory - Acquisition Log

Run Name:28OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

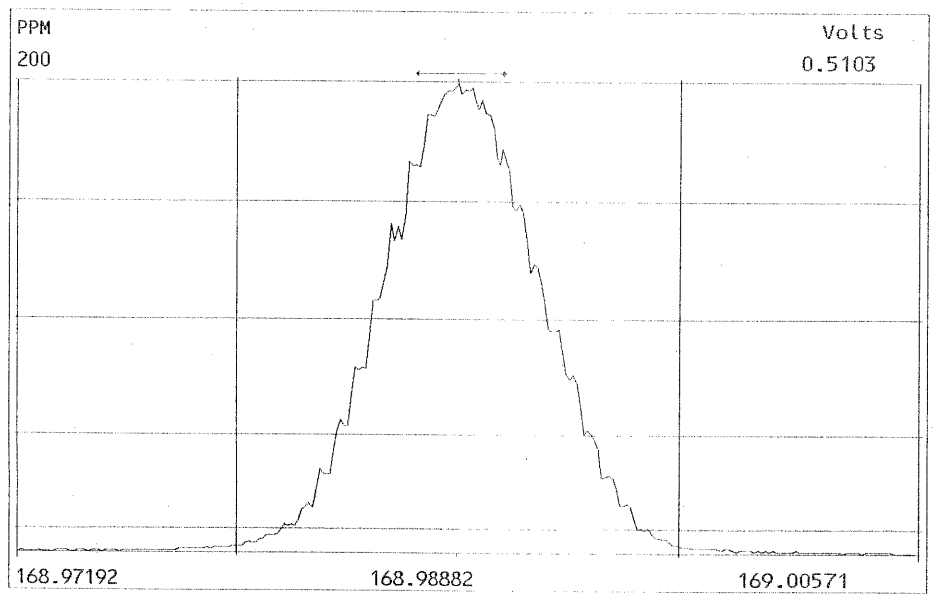
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
28OCT20Z	1	ST102820Z1	CS209 200406A	28-OCT-20 06:33:23	ST102820Z1	ST102820Z2	BS
28OCT20Z	2	SB102820Z1	Solvent Blank	28-OCT-20 07:31:43	ST102820Z1	ST102820Z2	BS
28OCT20Z	3	13376-002-0001-SA	LDW-Y3-IN-ENR-CB-CORE	28-OCT-20 08:30:04	ST102820Z1	ST102820Z2	BS
28OCT20Z	4	13376-003-0001-SA	LDW-Y3-IN-ENR-CC-CORE	28-OCT-20 09:28:25	ST102820Z1	ST102820Z2	BS
28OCT20Z	5	13376-004-0001-SA	LDW-Y3-IN-ENR-CD-CORE	28-OCT-20 10:26:46	ST102820Z1	ST102820Z2	BS
28OCT20Z	6	13376-006-0001-SA	LDW-Y3-IN-ENR+AC-CA-CORE	28-OCT-20 11:25:08	ST102820Z1	ST102820Z2	BS
28OCT20Z	7	13376-007-0001-SA	LDW-Y3-IN-ENR+AC-CB-CORE	28-OCT-20 12:23:29	ST102820Z1	ST102820Z2	BS
28OCT20Z	8	13376-008-0001-SA	LDW-Y3-IN-ENR+AC-CC-CORE	28-OCT-20 13:21:50	ST102820Z1	ST102820Z2	BS
28OCT20Z	9	SB102820Z2	Solvent Blank	28-OCT-20 14:20:12	ST102820Z1	ST102820Z2	BS
28OCT20Z	10	13389-001-0001-SA	LRAC4740	28-OCT-20 15:18:33	ST102820Z1	ST102820Z2	BS
28OCT20Z	11	SB102820Z3	Solvent Blank	28-OCT-20 16:16:54	ST102820Z1	ST102820Z2	BS
28OCT20Z	12	ST102820Z2	CS209 200406A	28-OCT-20 17:15:15	ST102820Z1	ST102820Z2	BS

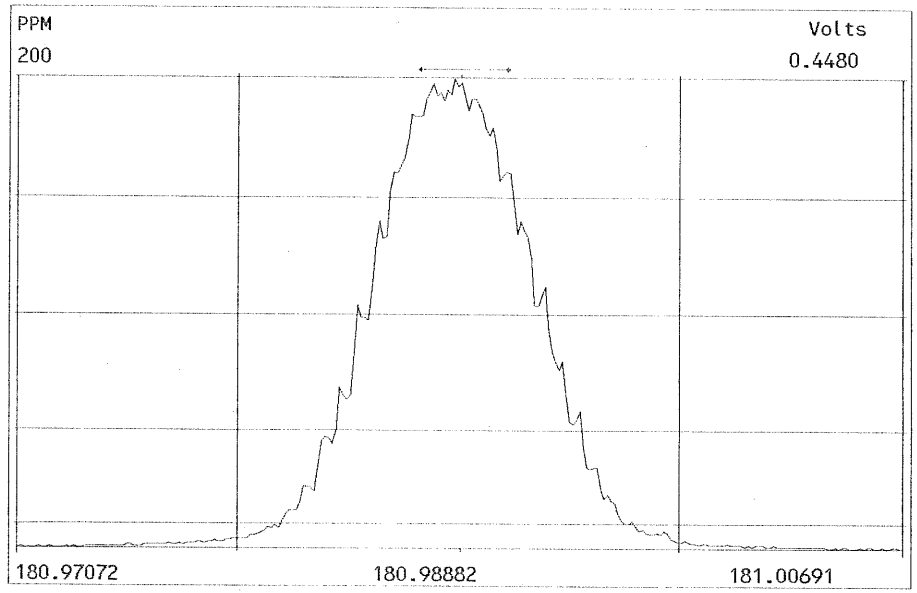
k 10/29/20

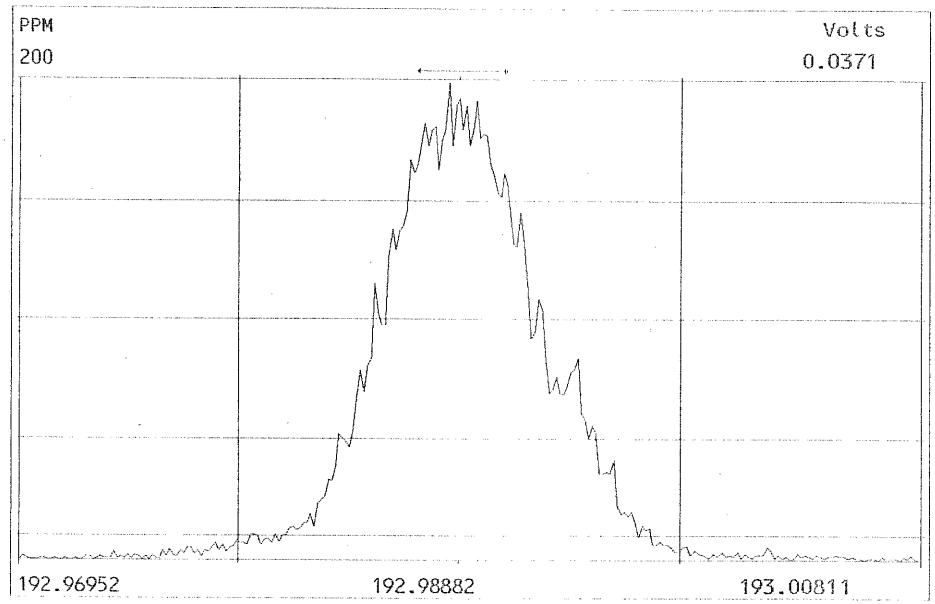
Data Backed Up:_____

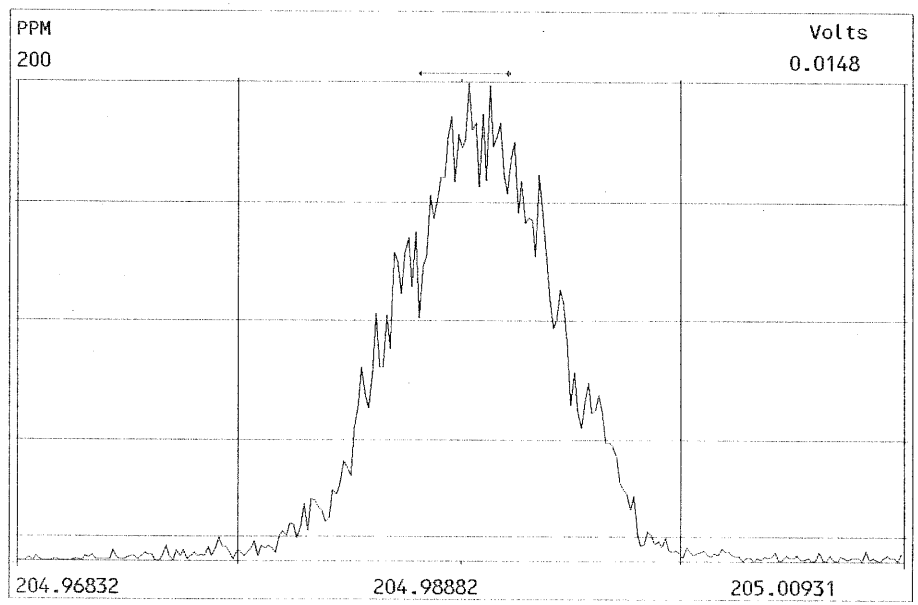
Date:_____

Peak Locate Examination:28-OCT-2020:06:30 File:28OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

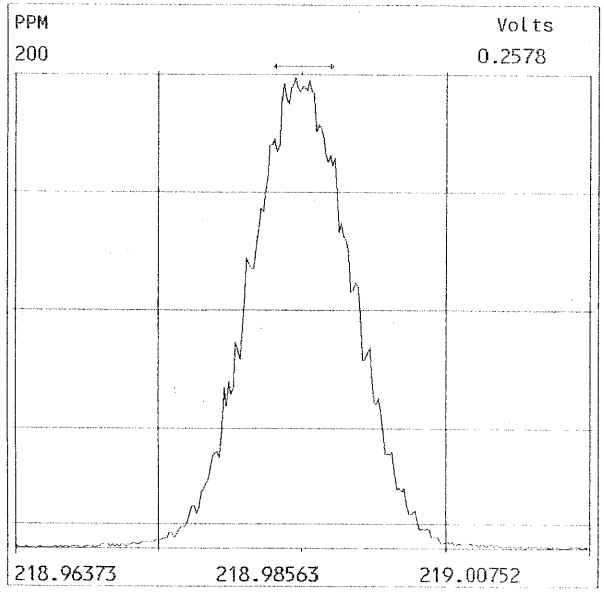


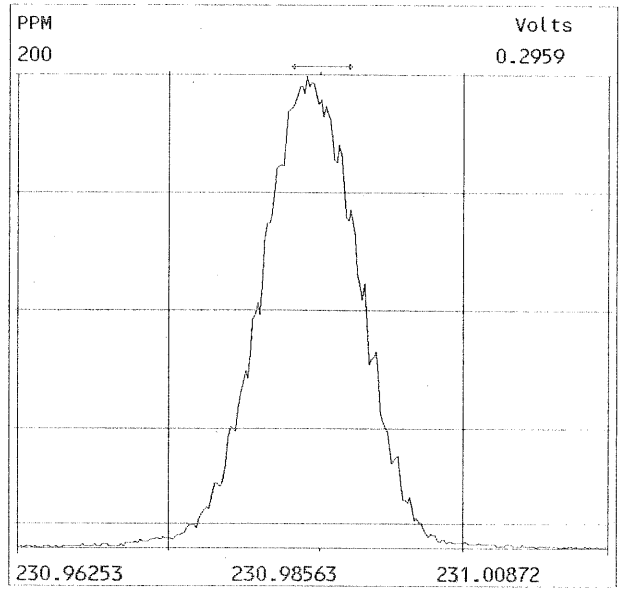


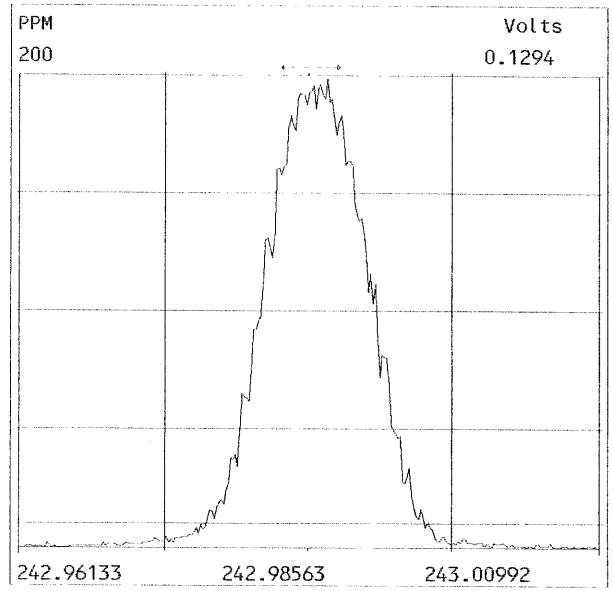


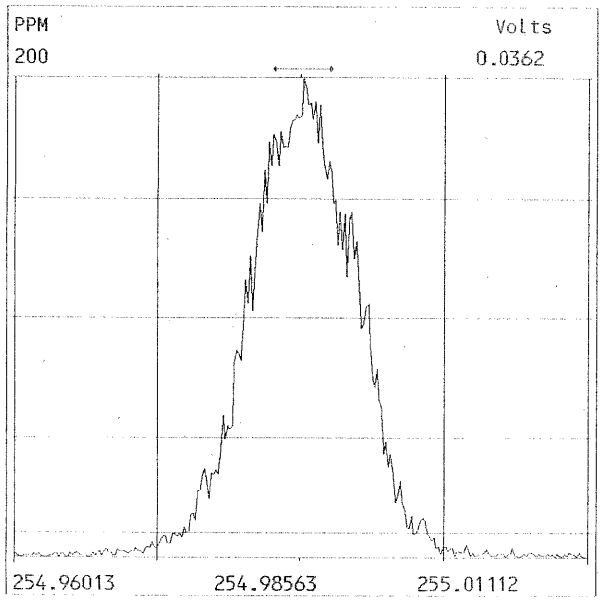


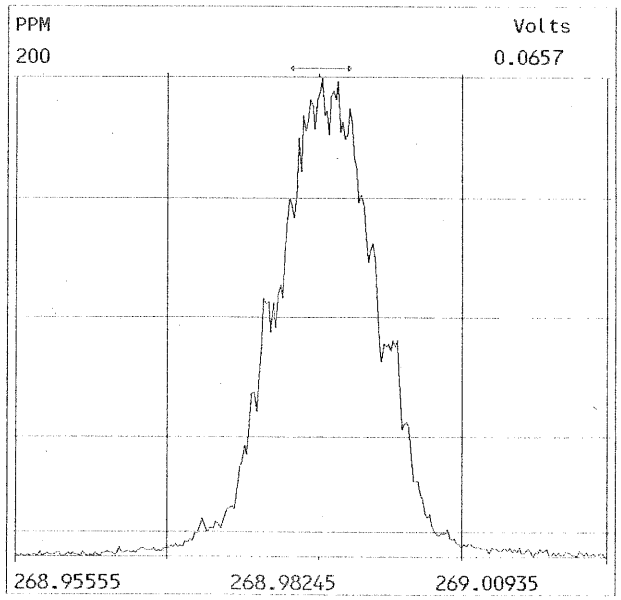
Peak Locate Examination:28-OCT-2020:06:30 File:28OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

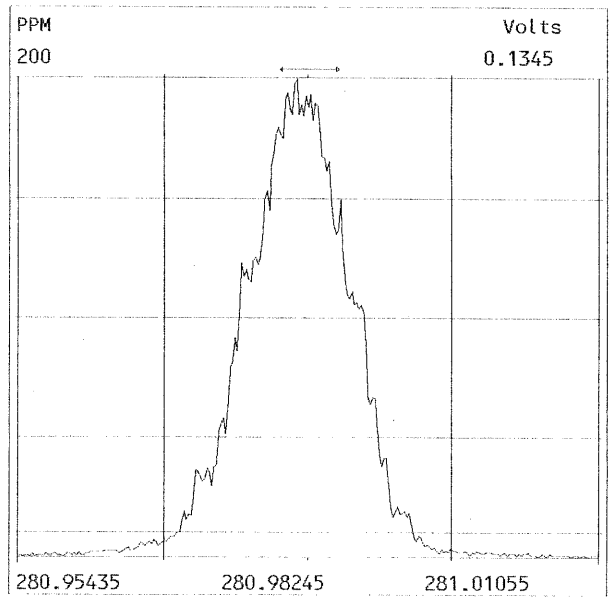




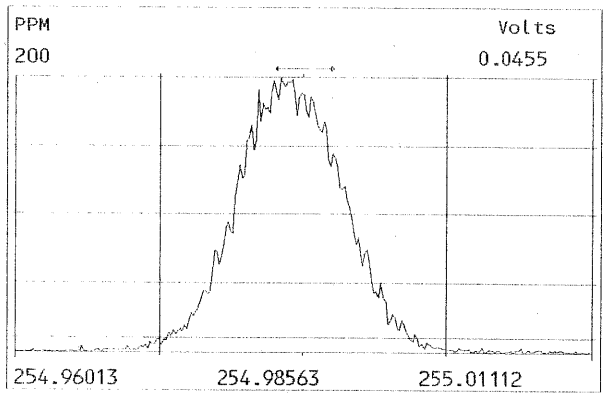


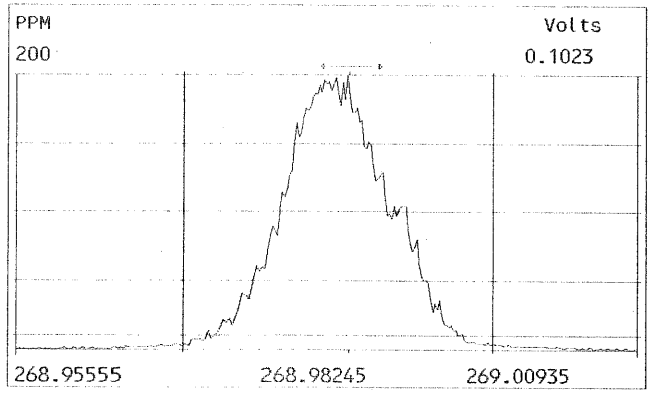


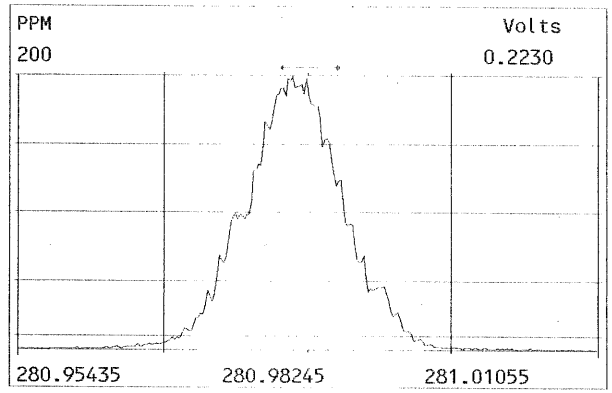


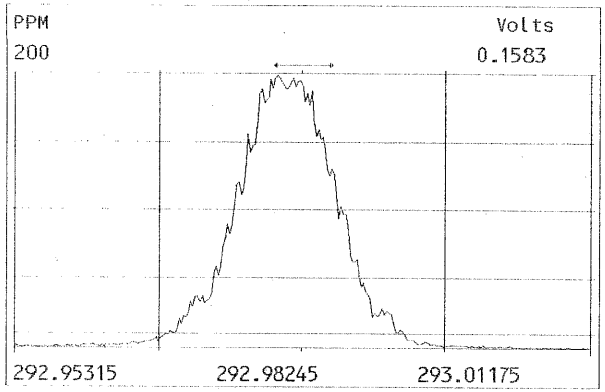


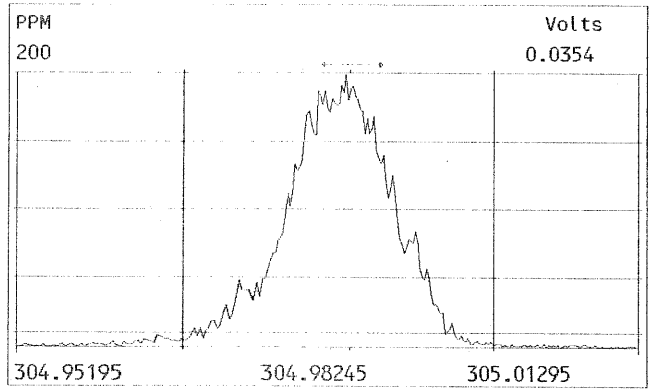
Peak Locate Examination:28-OCT-2020:06:31 File:28OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

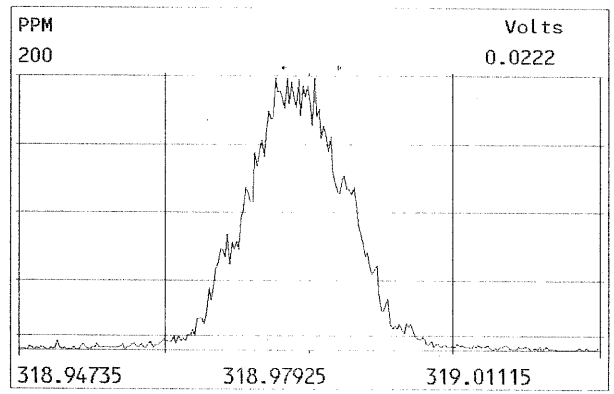


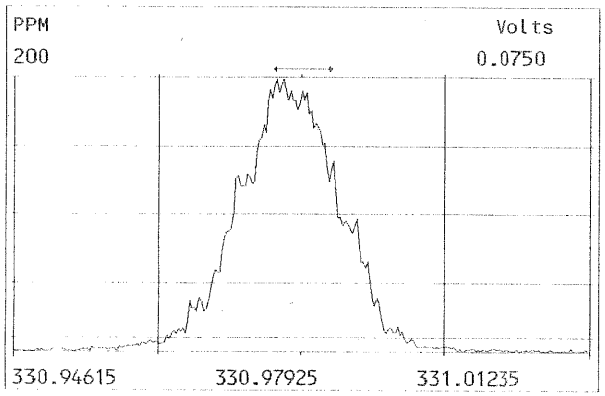


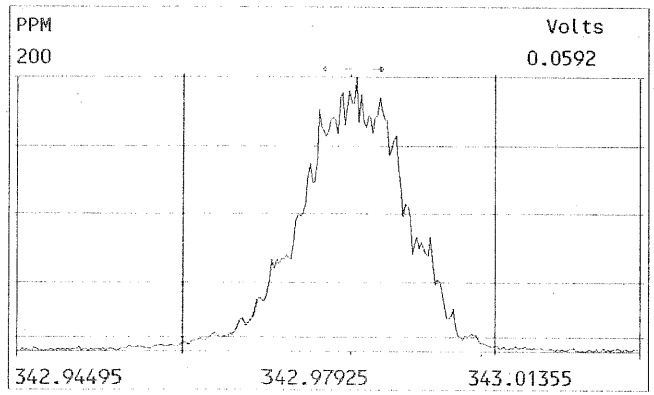




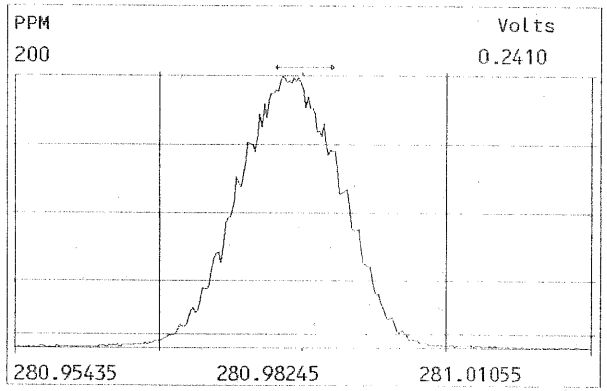


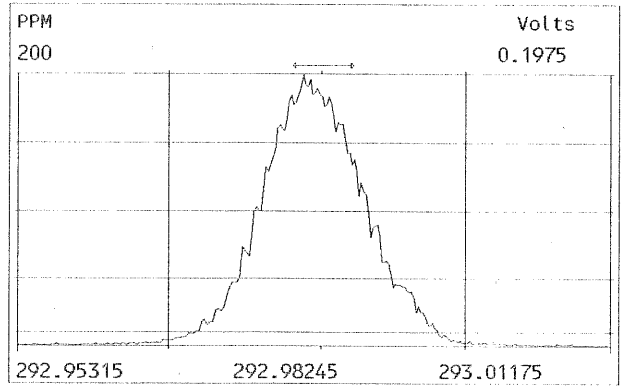


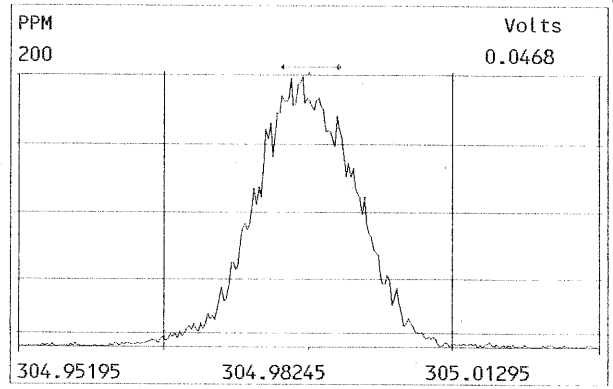


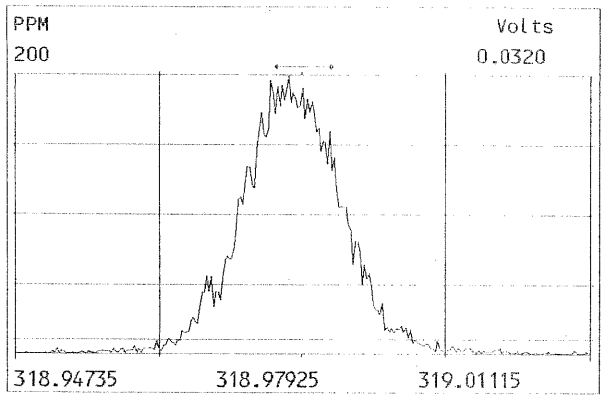


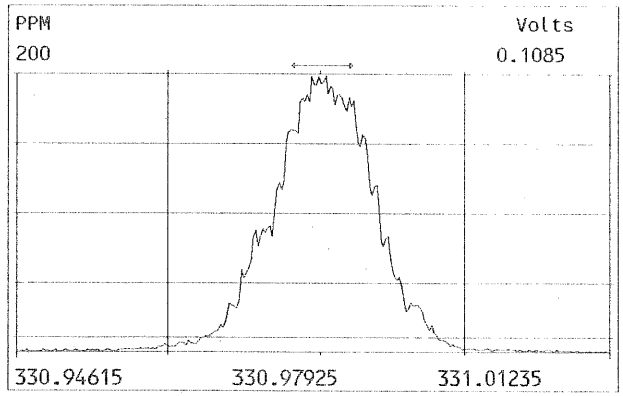
Peak Locate Examination:28-OCT-2020:06:31 File:28OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

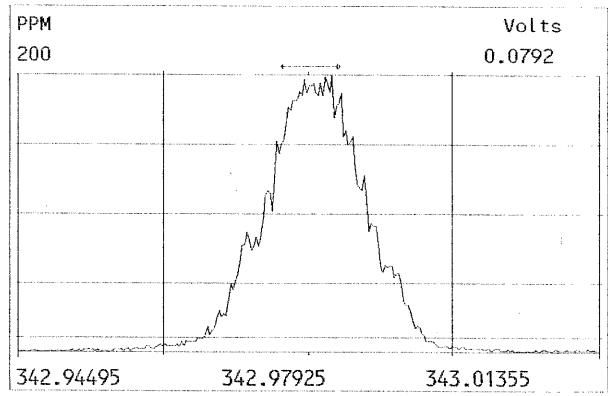


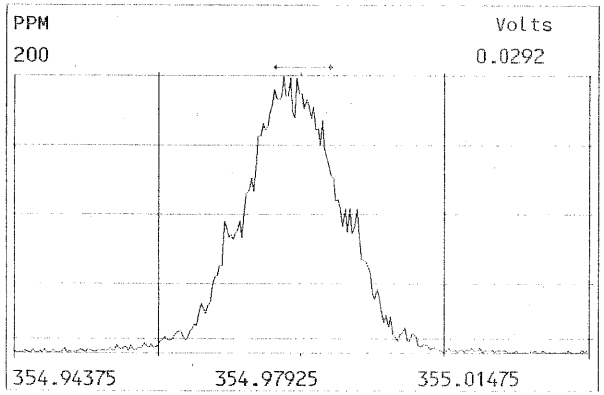


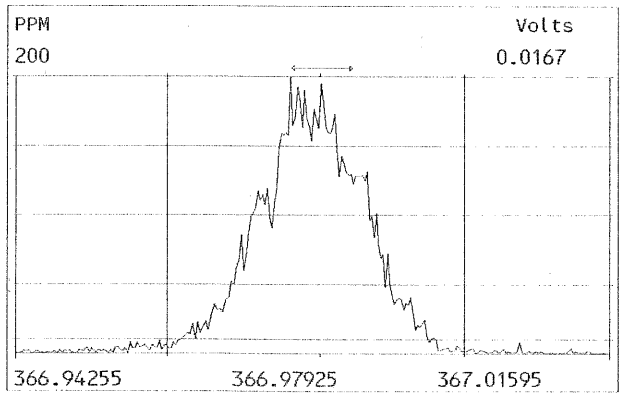


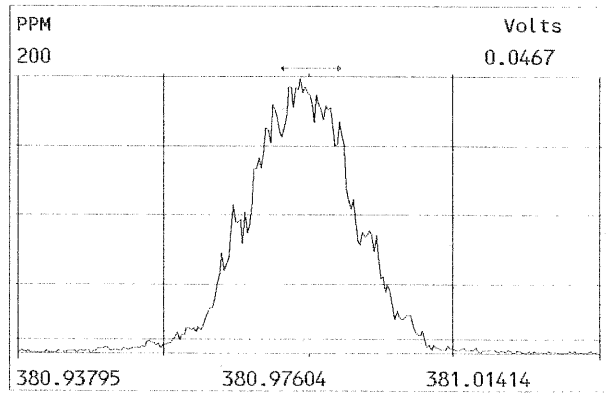




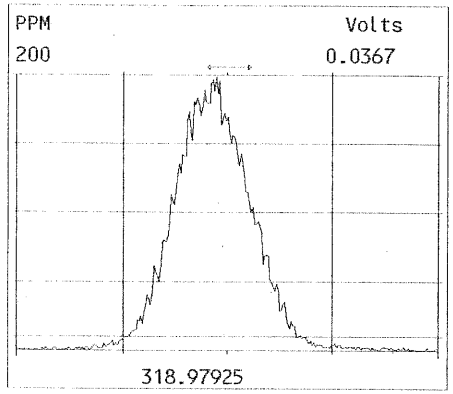


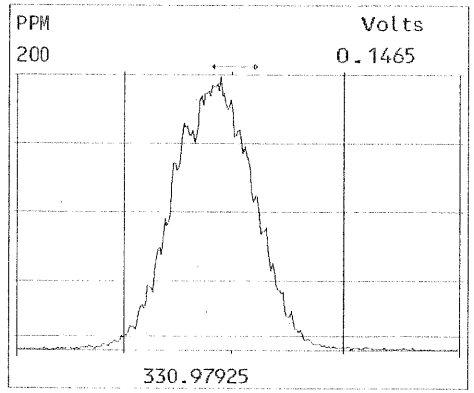


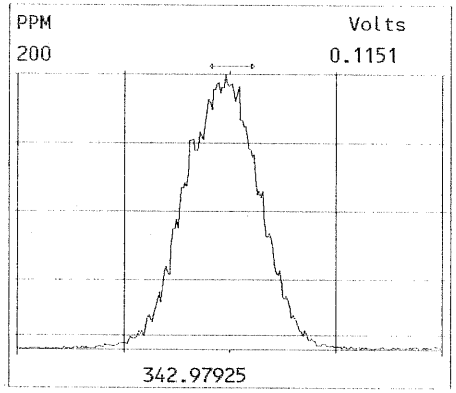


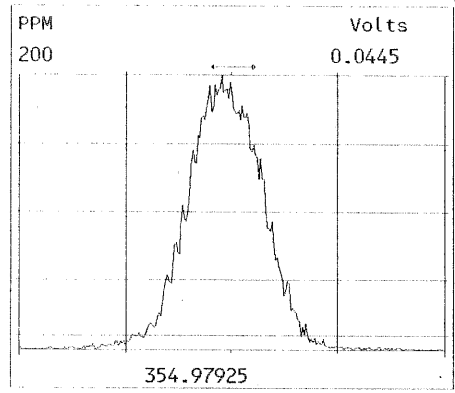


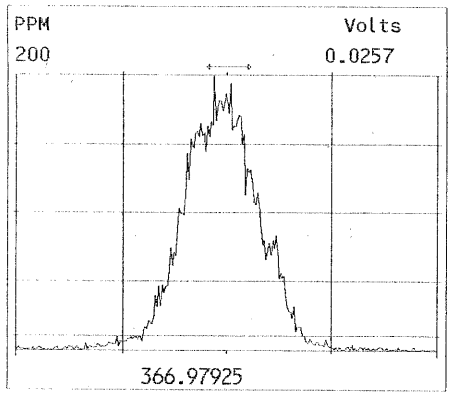
Peak Locate Examination:28-OCT-2020:06:32 File:28OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

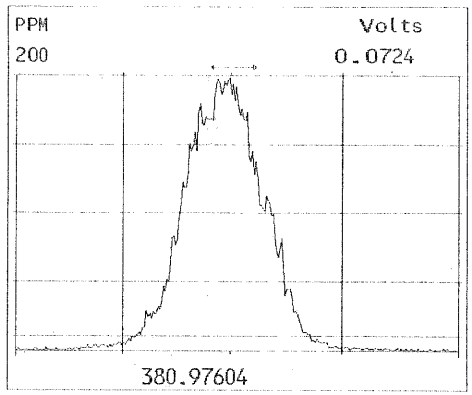


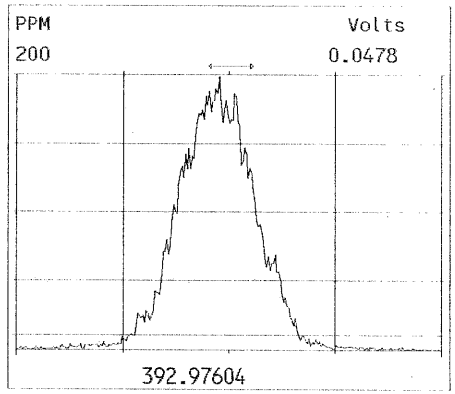


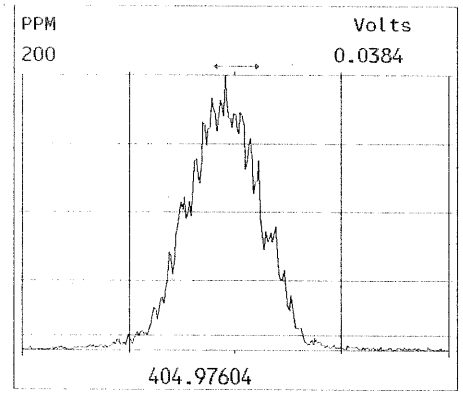


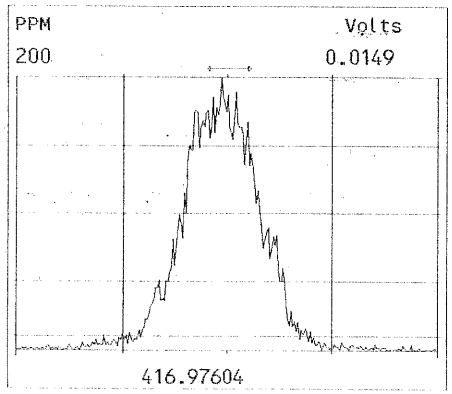


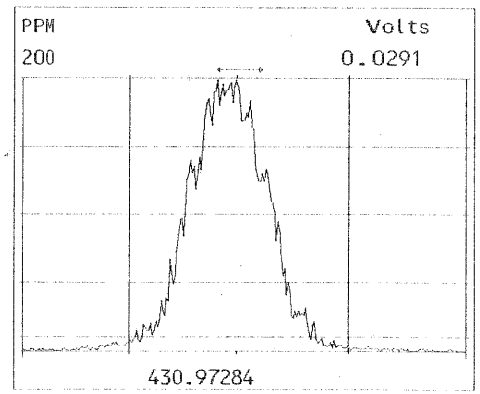


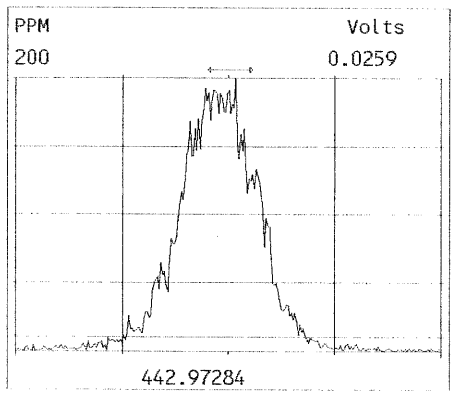




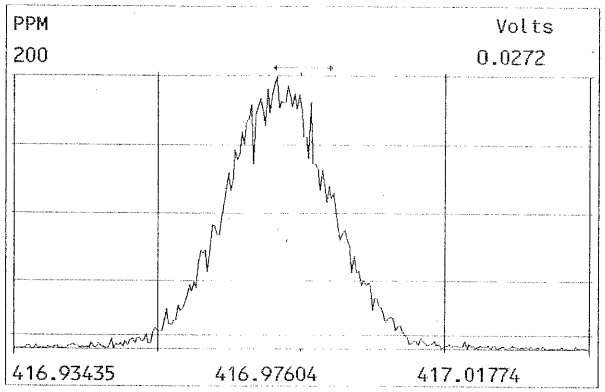


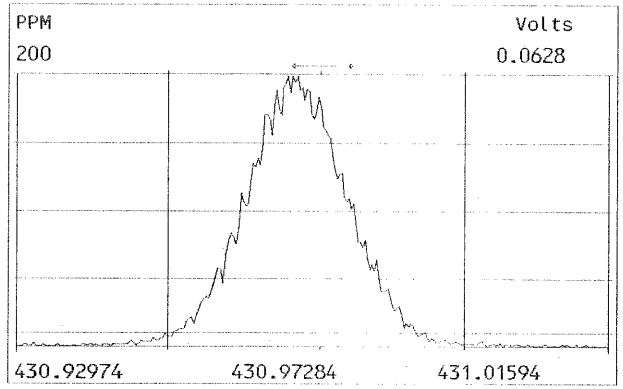


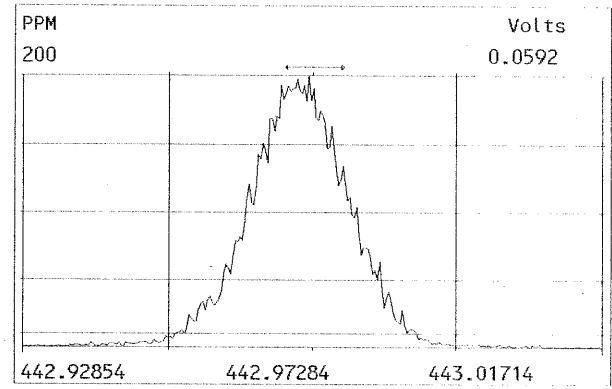


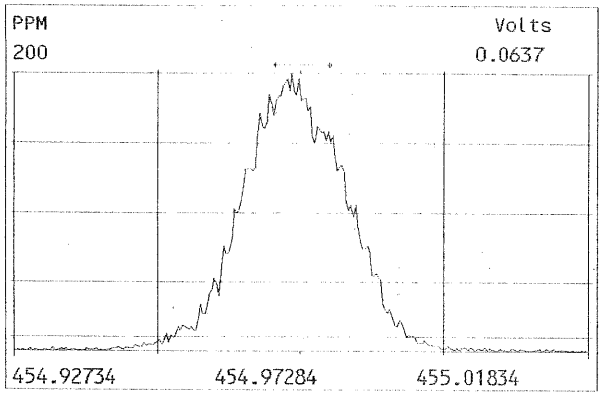


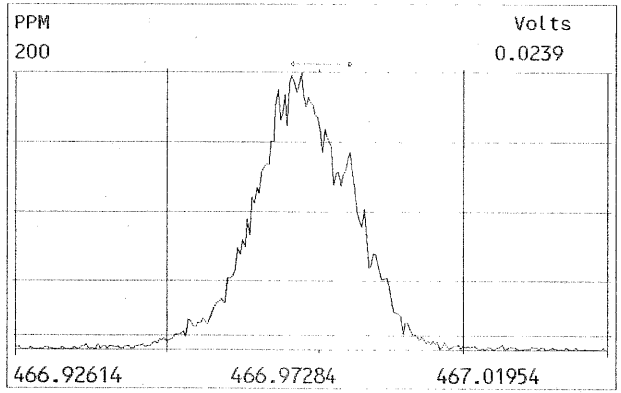
Peak Locate Examination:28-OCT-2020:06:32 File:28OCT20Z
Experiment:1668PCB Function:6 Reference:PFK

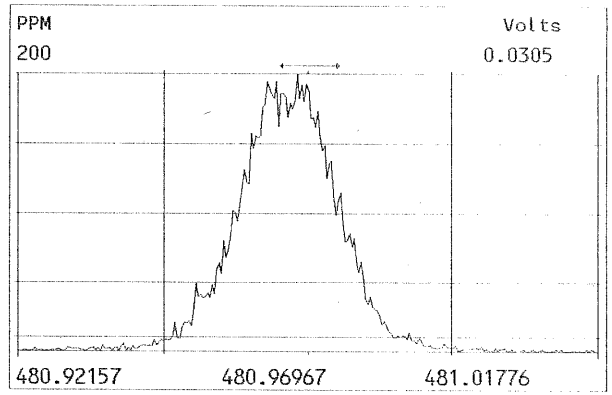


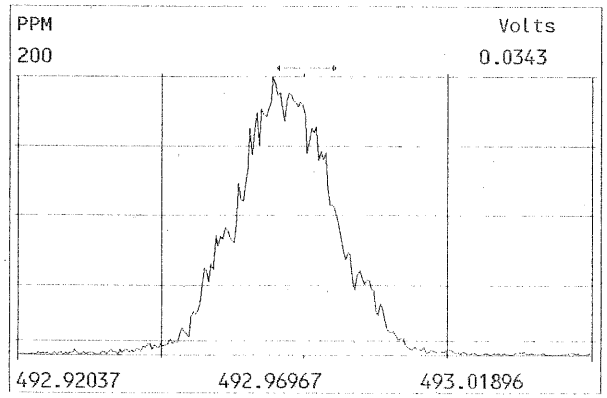


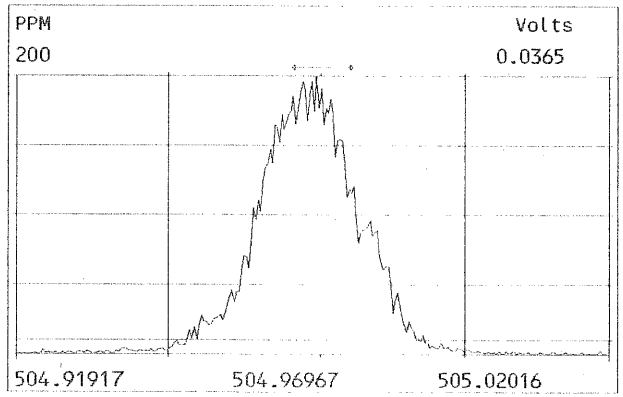


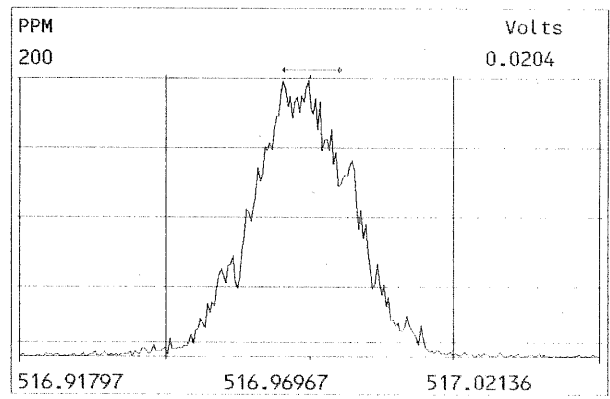




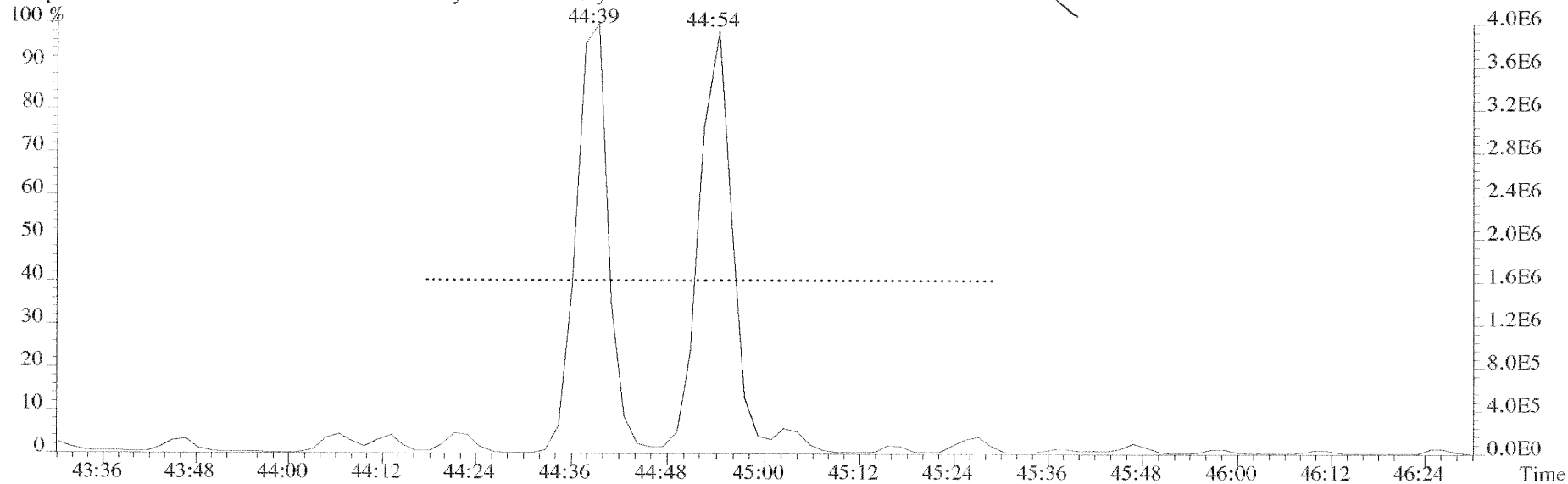




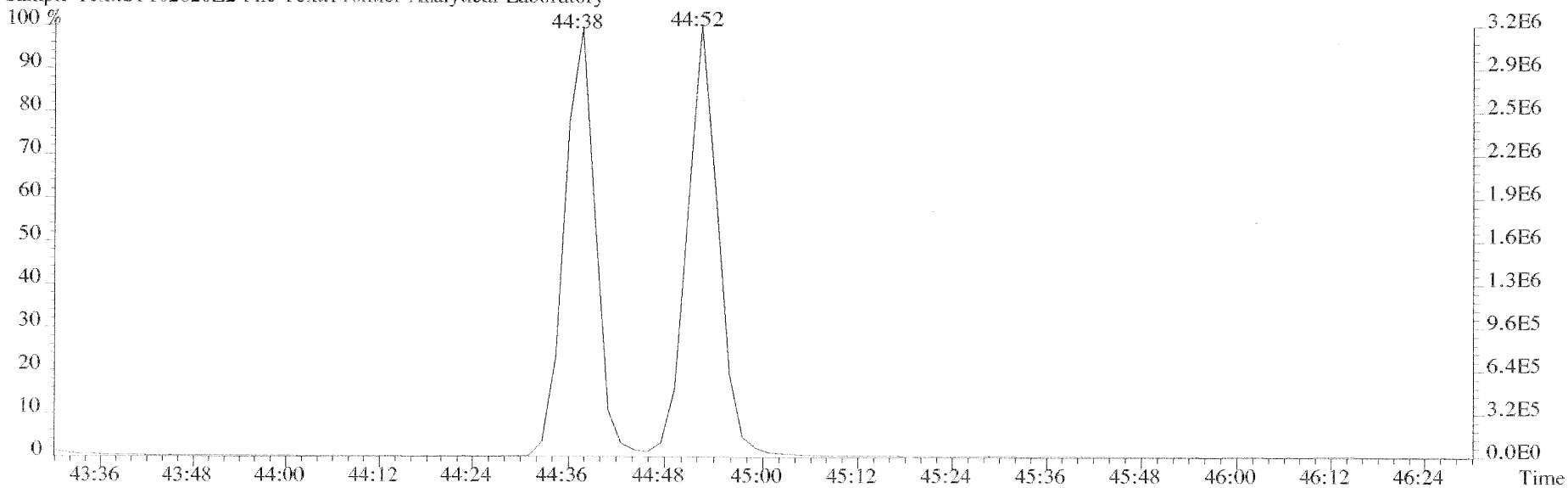




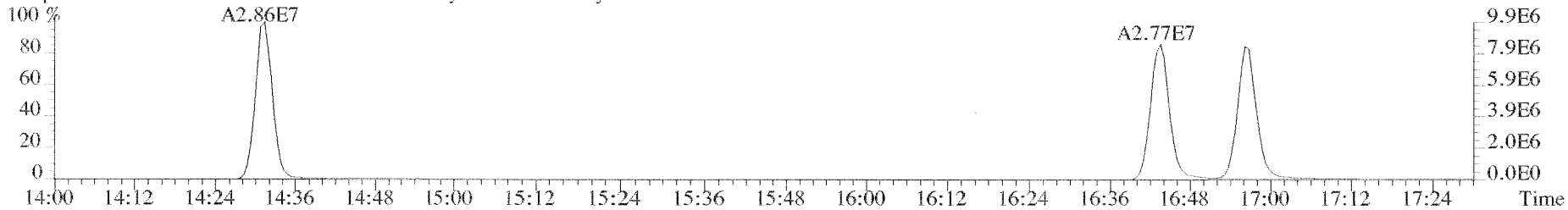
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



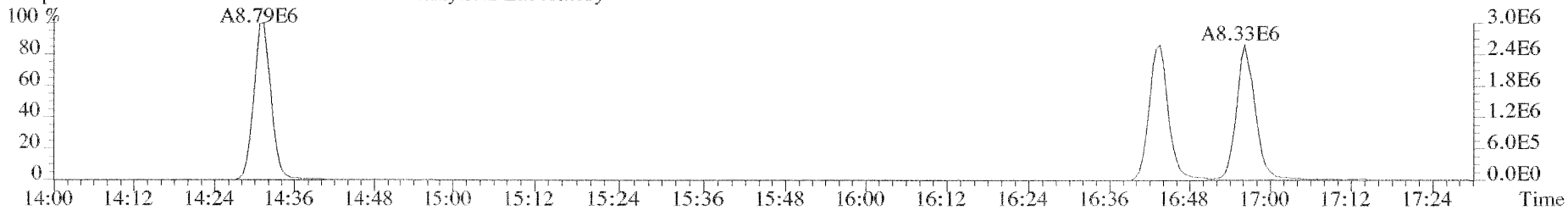
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



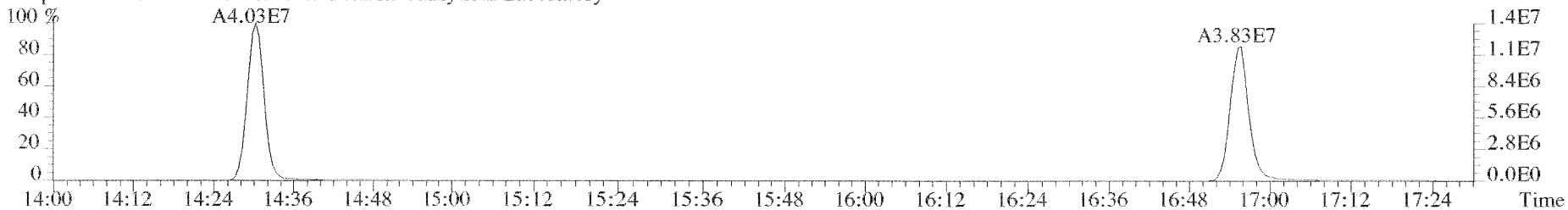
File:28OCT20Z #1-783 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



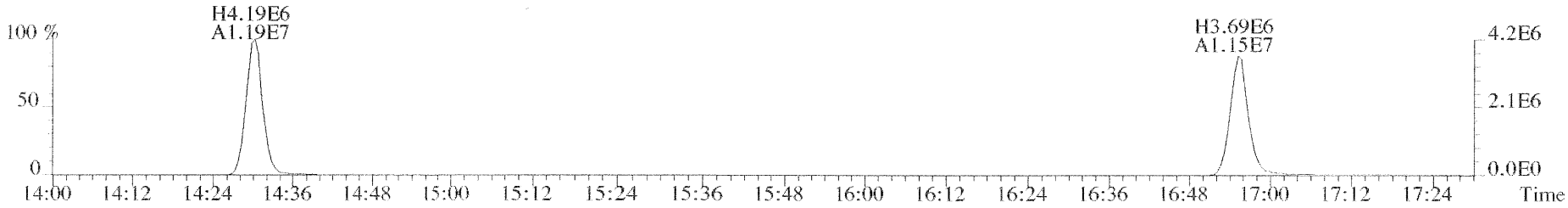
File:28OCT20Z #1-783 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



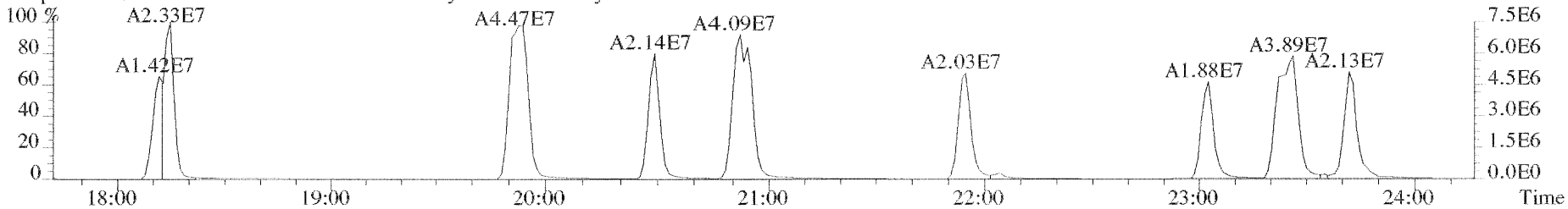
File:28OCT20Z #1-783 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



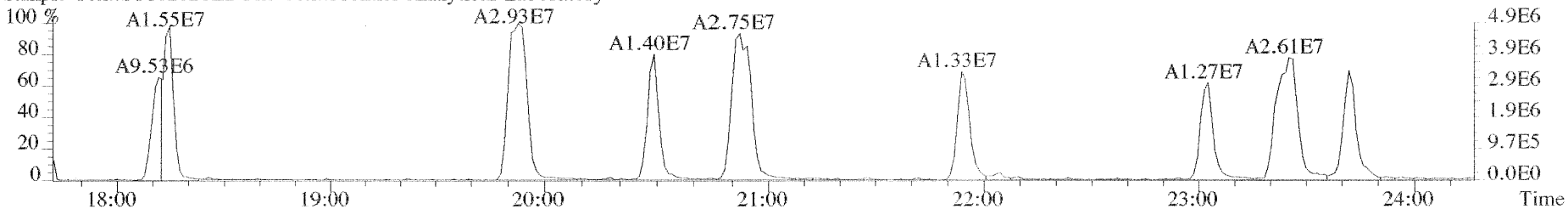
File:28OCT20Z #1-783 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



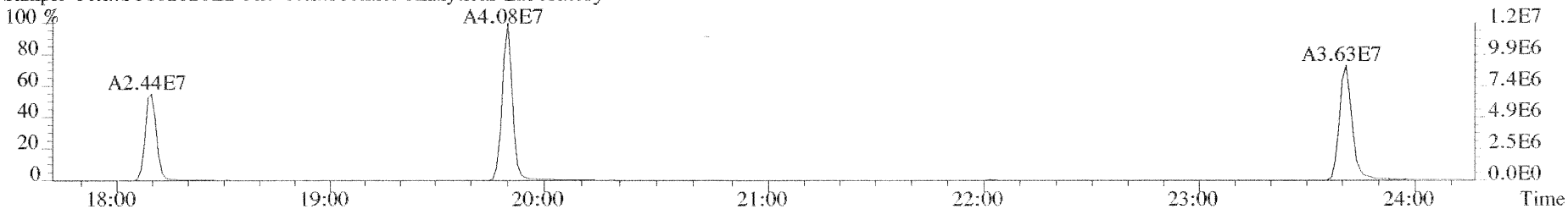
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



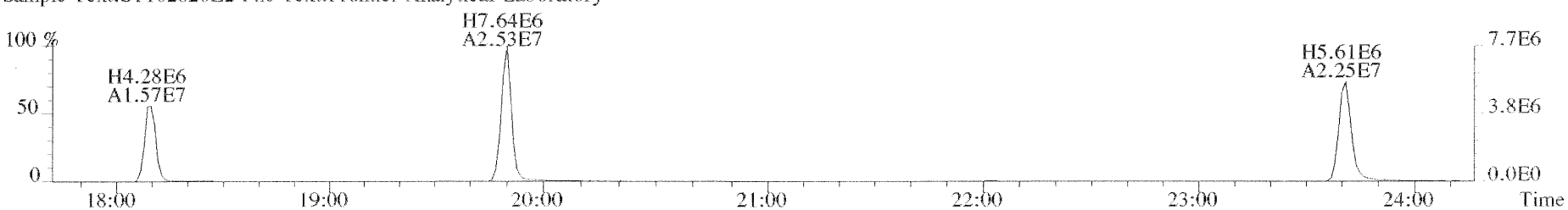
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



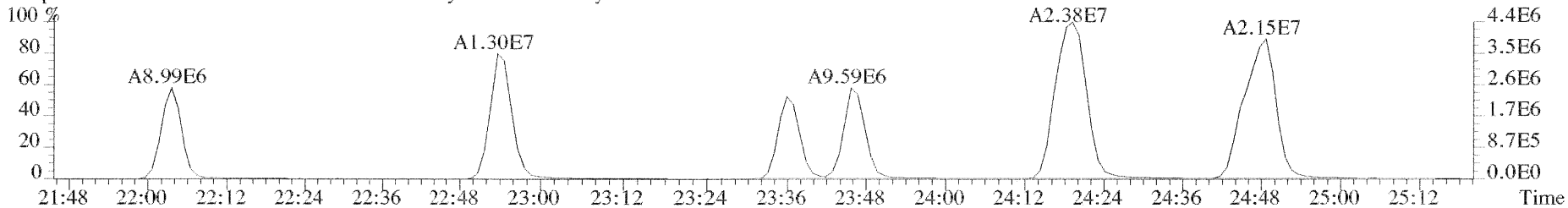
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



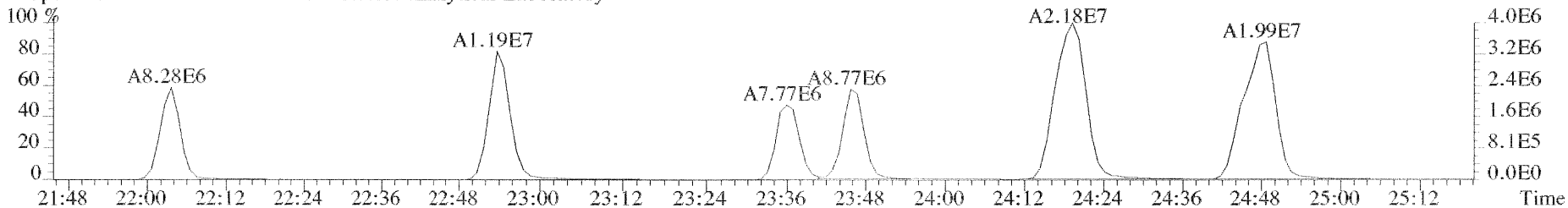
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



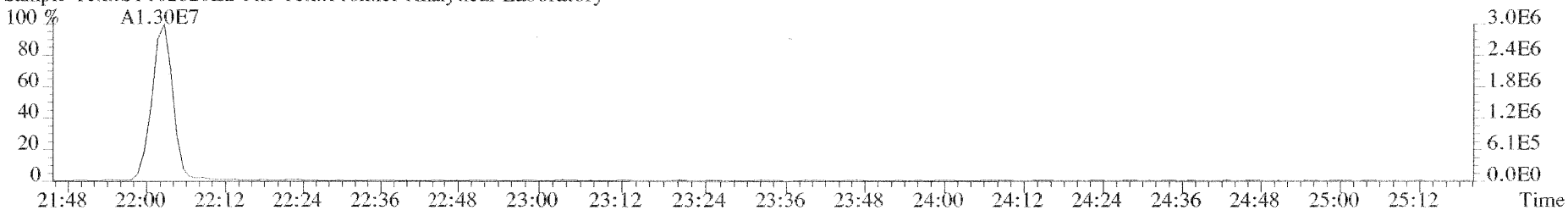
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



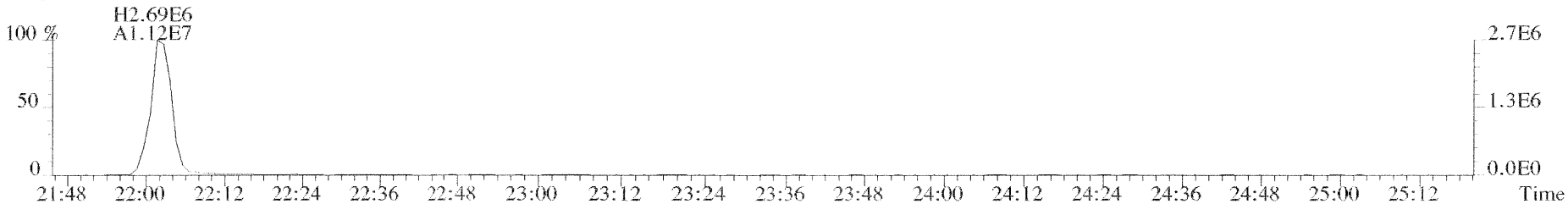
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



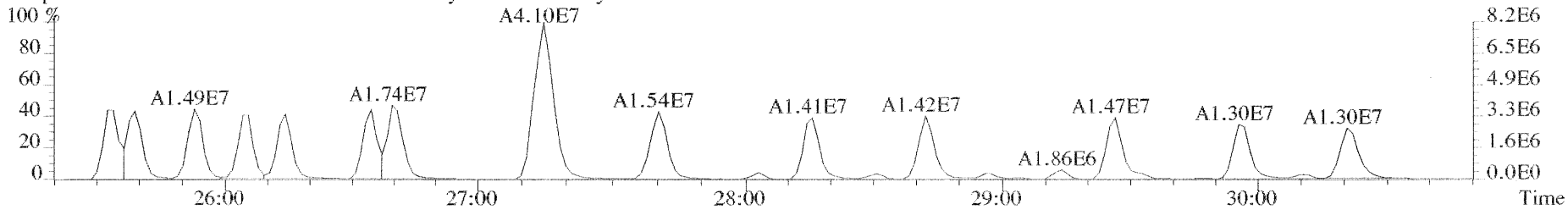
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



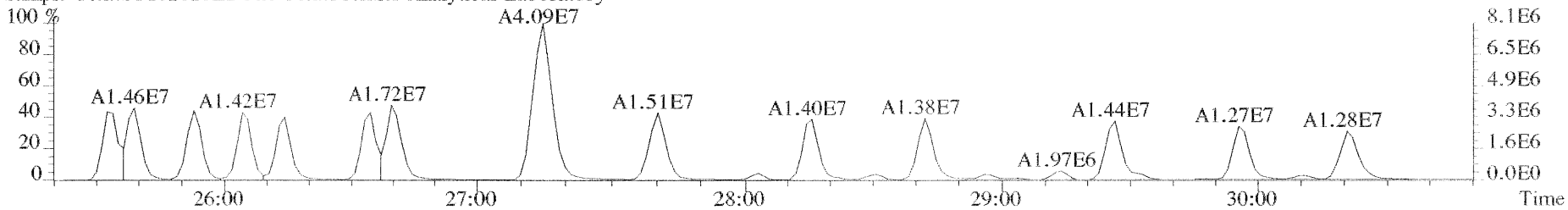
File:28OCT20Z #1-467 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



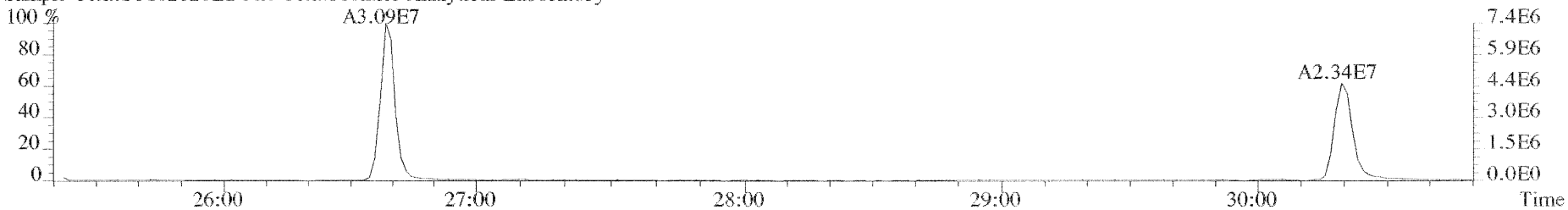
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



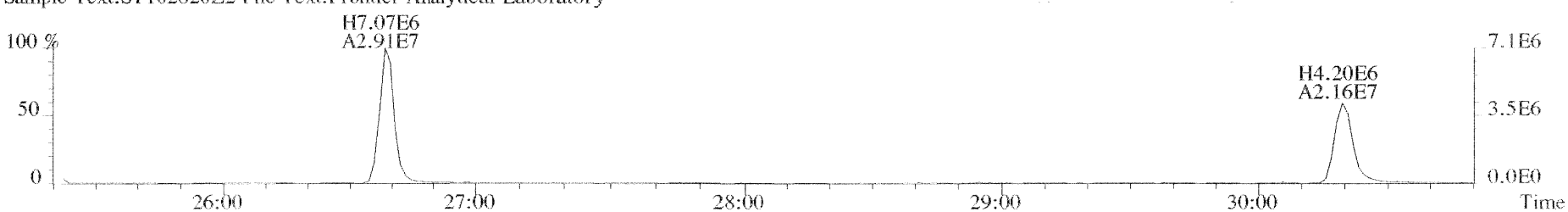
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



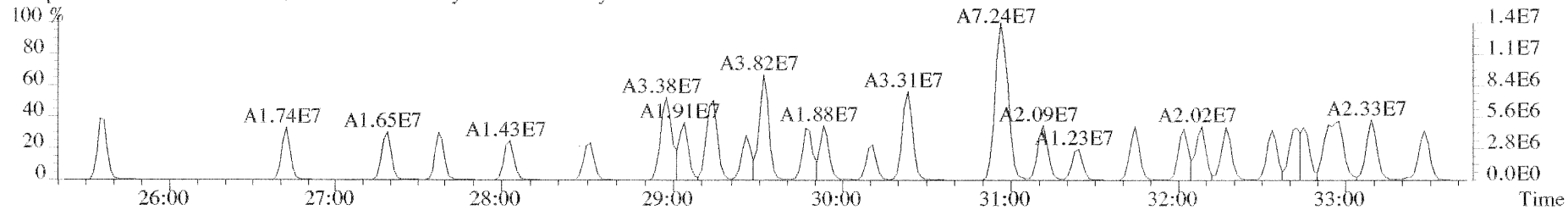
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



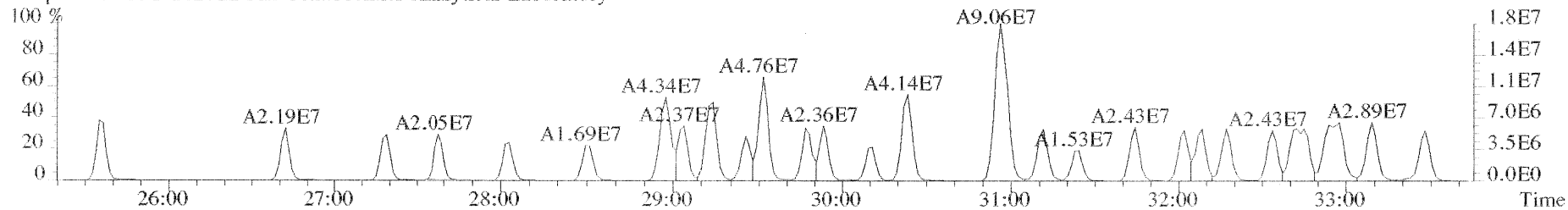
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



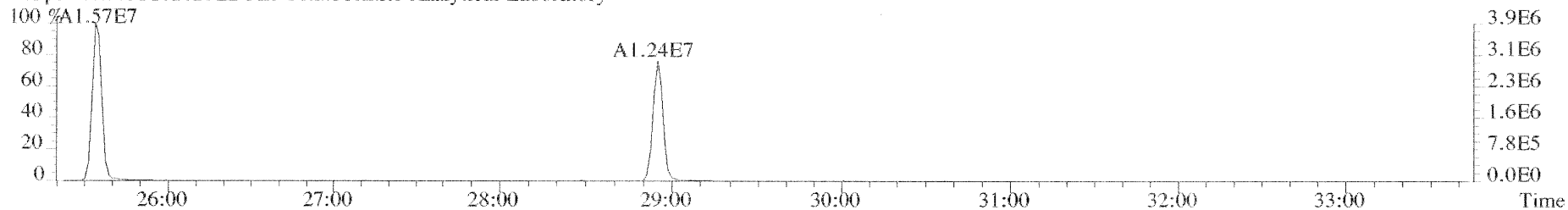
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



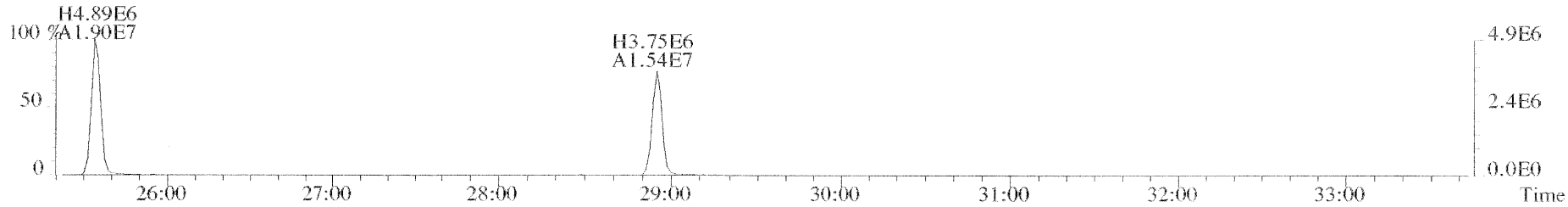
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



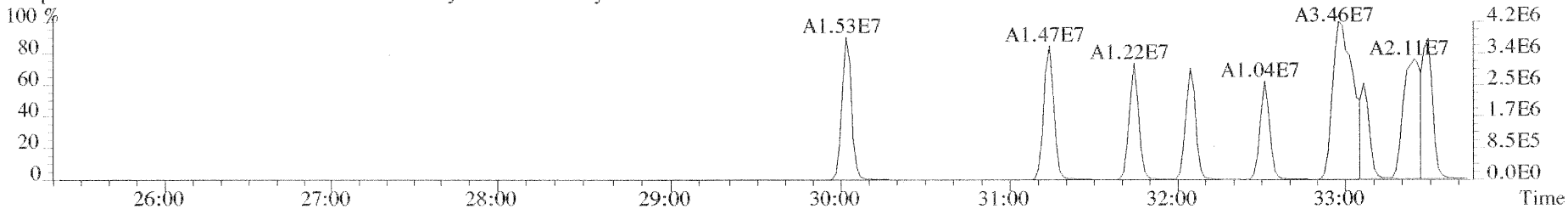
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



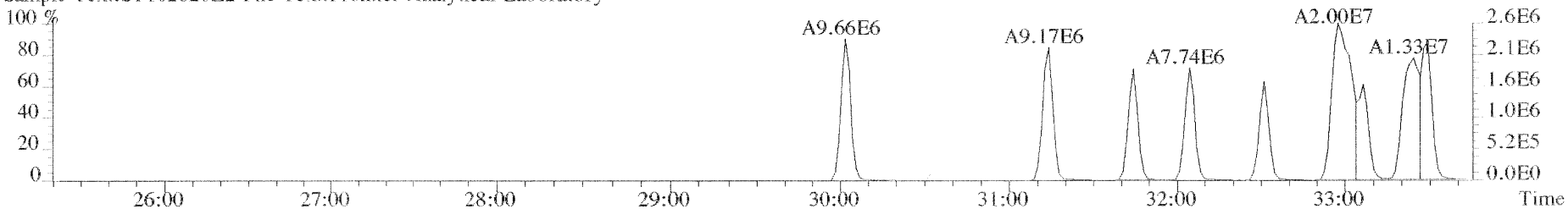
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



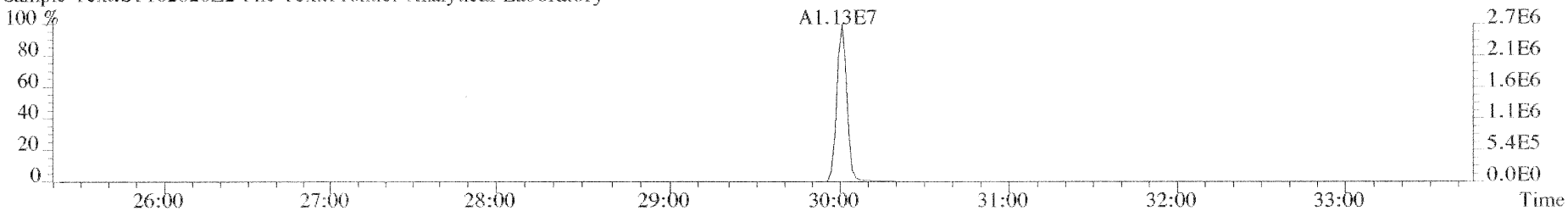
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



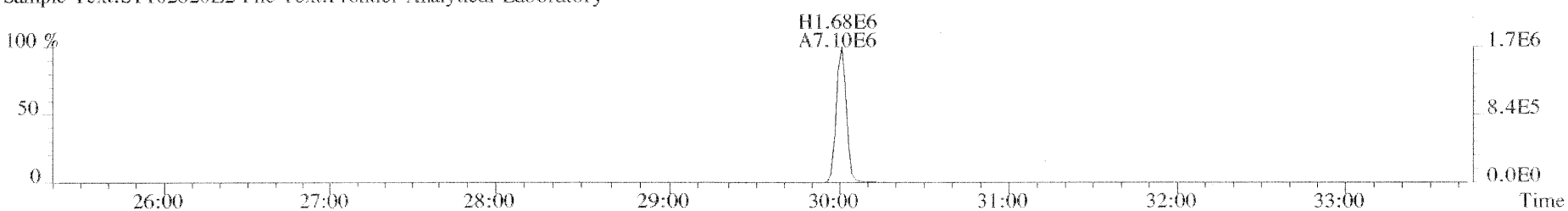
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



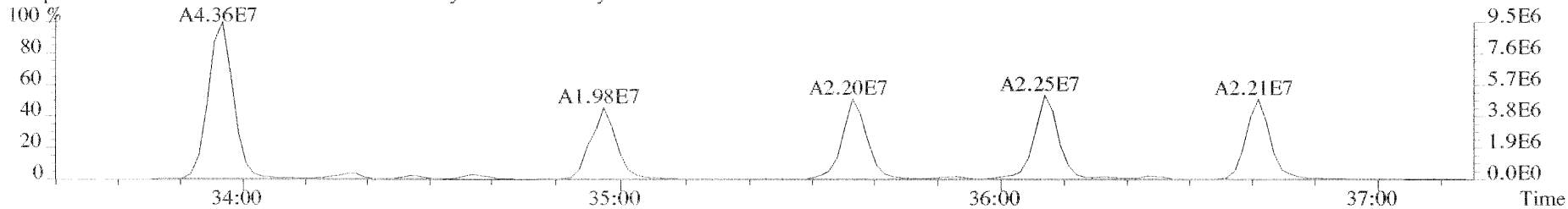
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



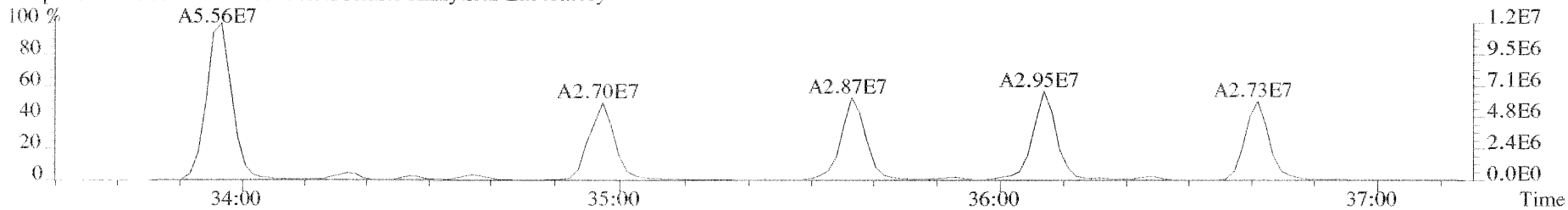
File:28OCT20Z #1-397 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



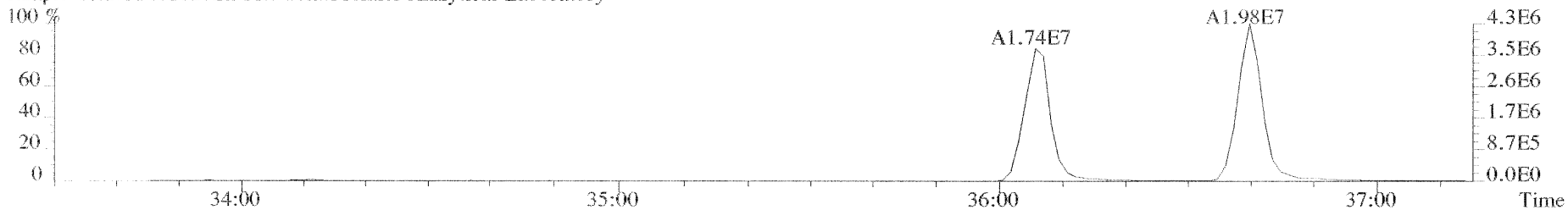
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



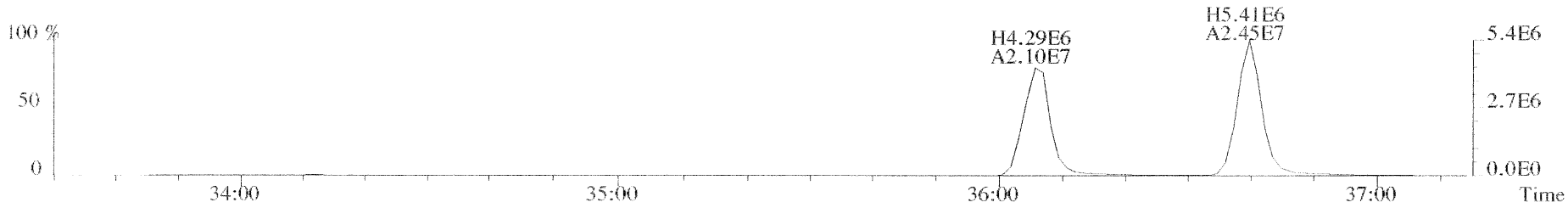
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



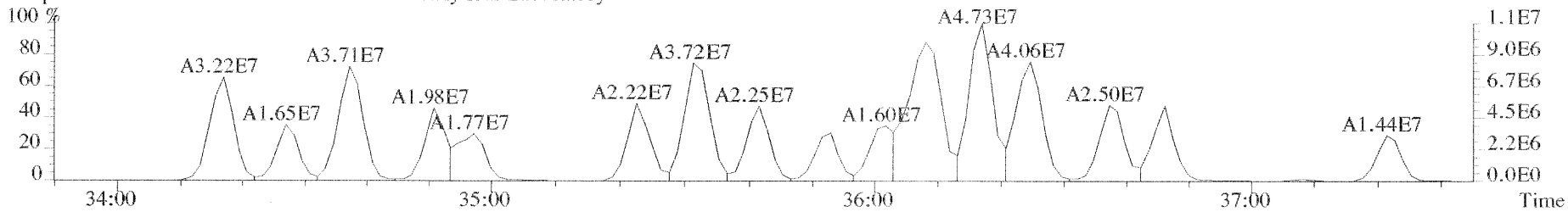
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



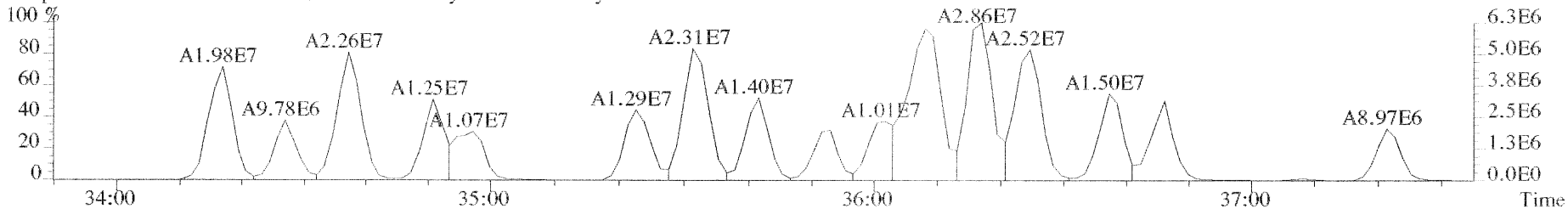
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



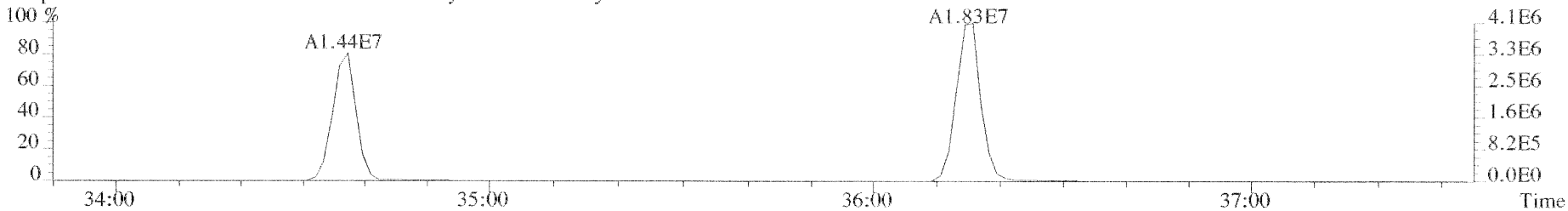
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



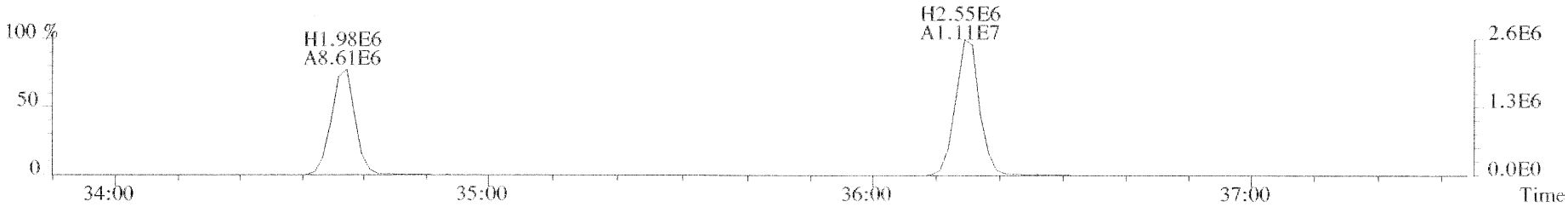
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



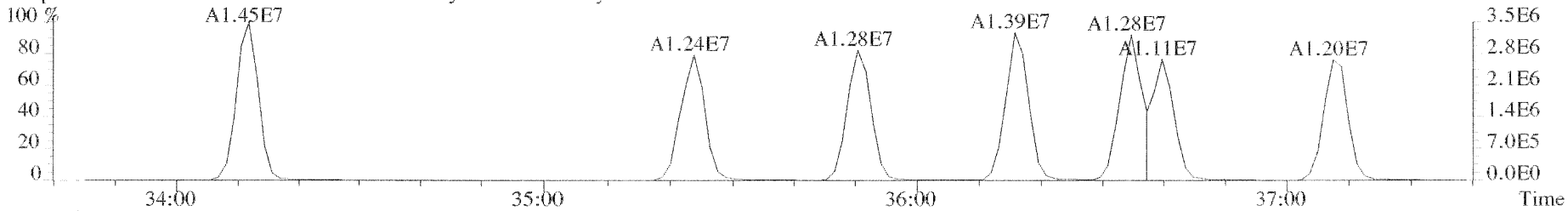
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



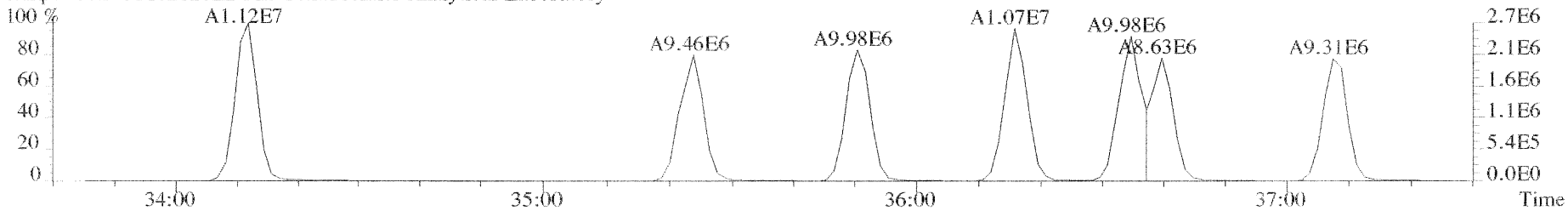
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



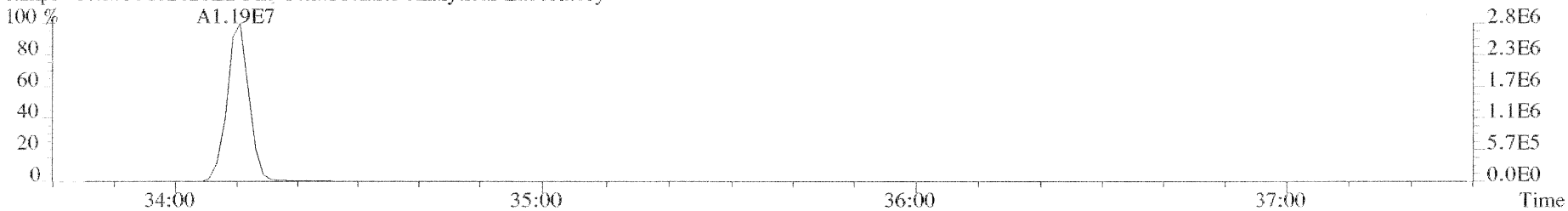
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



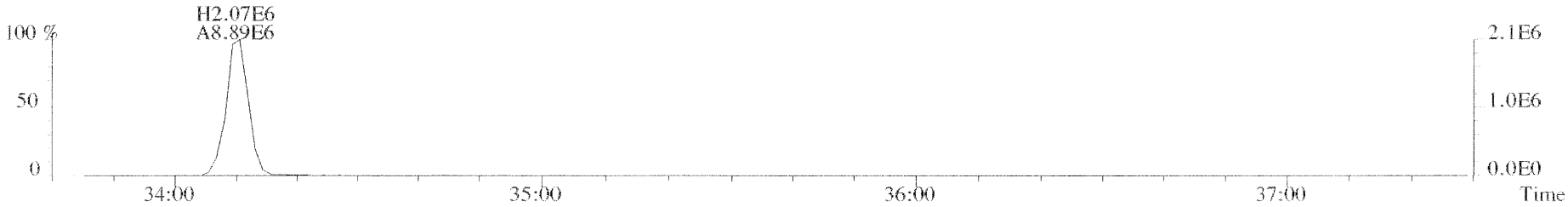
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



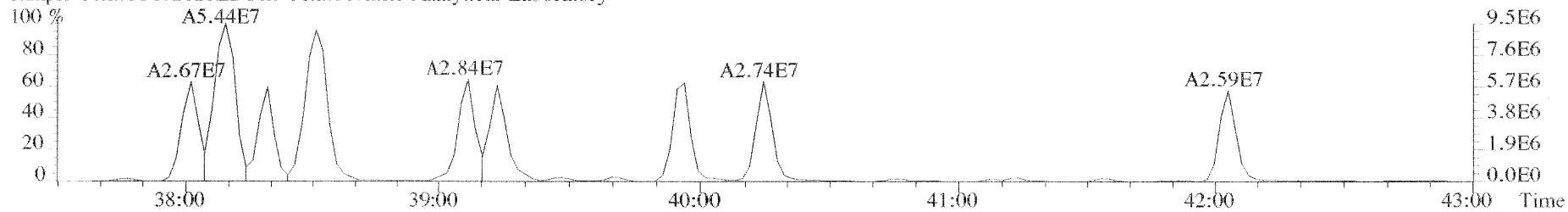
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



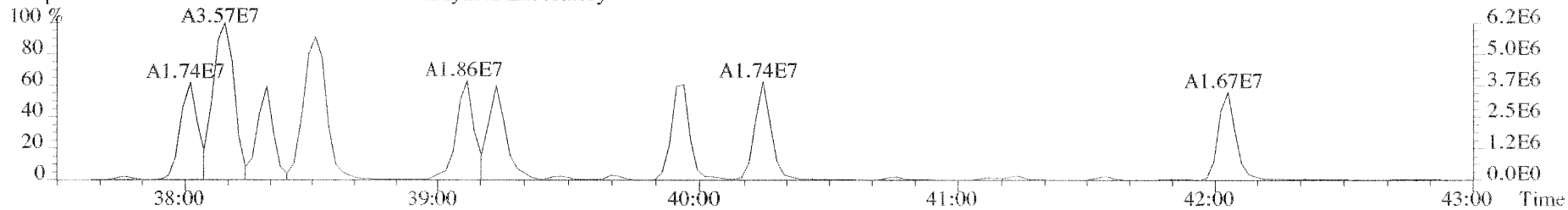
File:28OCT20Z #1-183 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



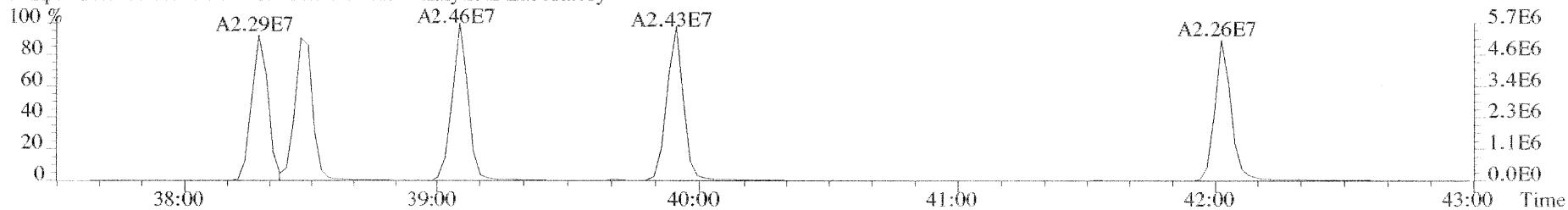
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



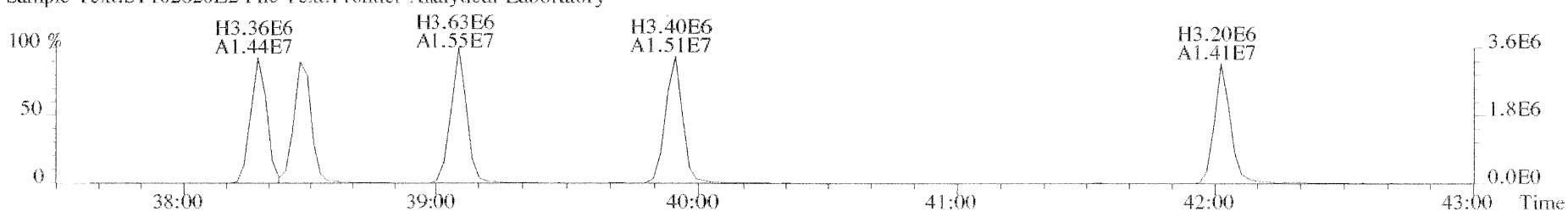
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



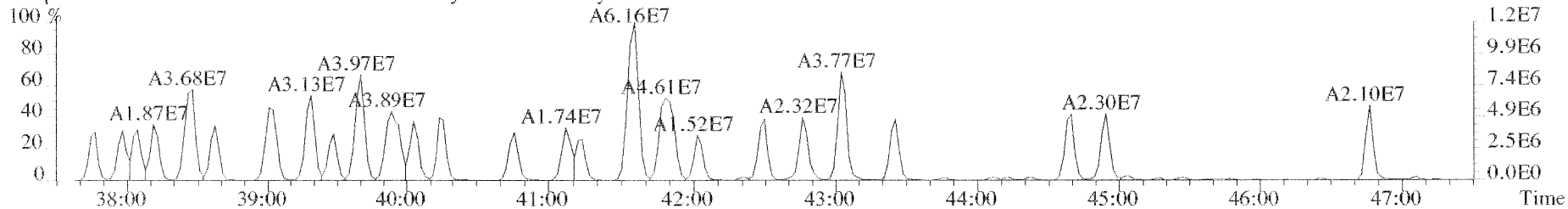
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



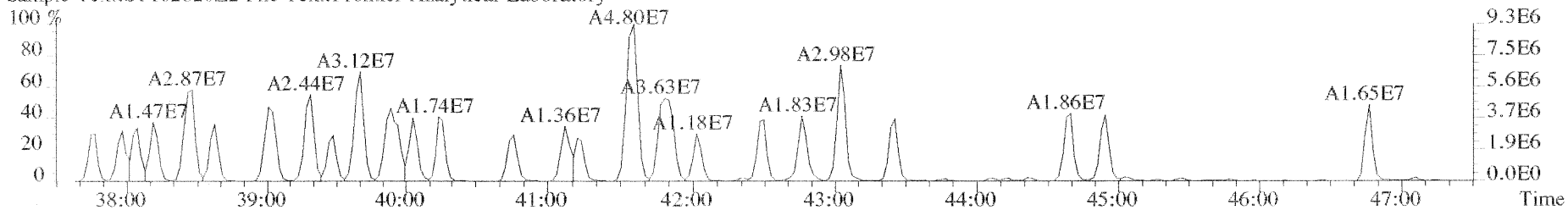
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



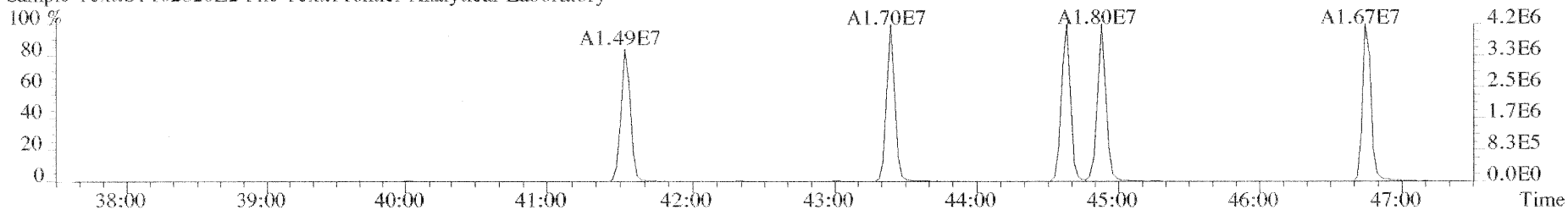
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



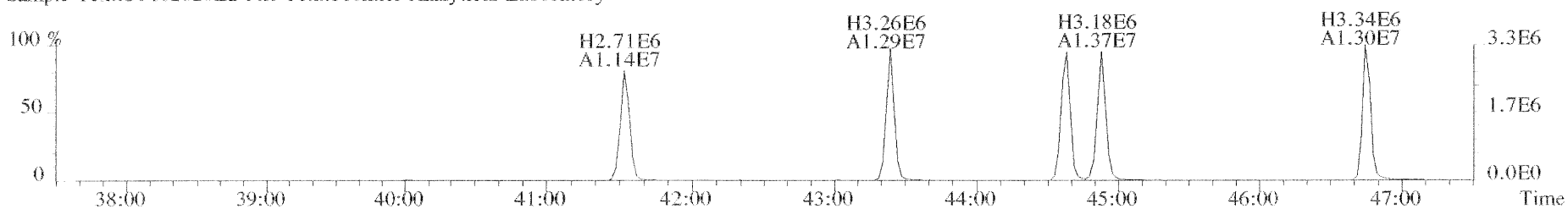
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



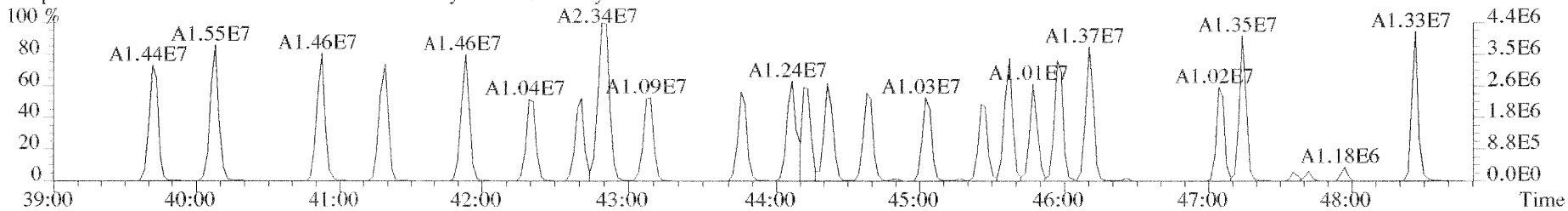
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



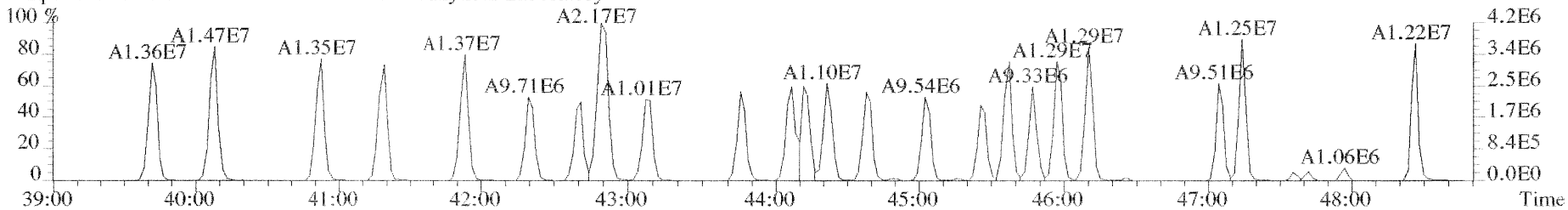
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



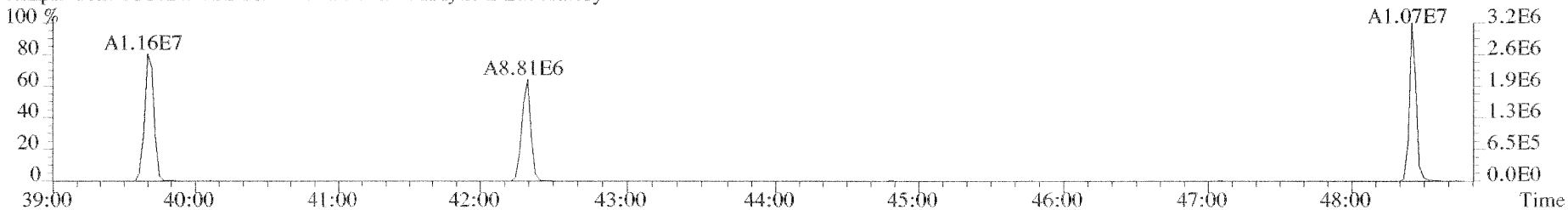
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



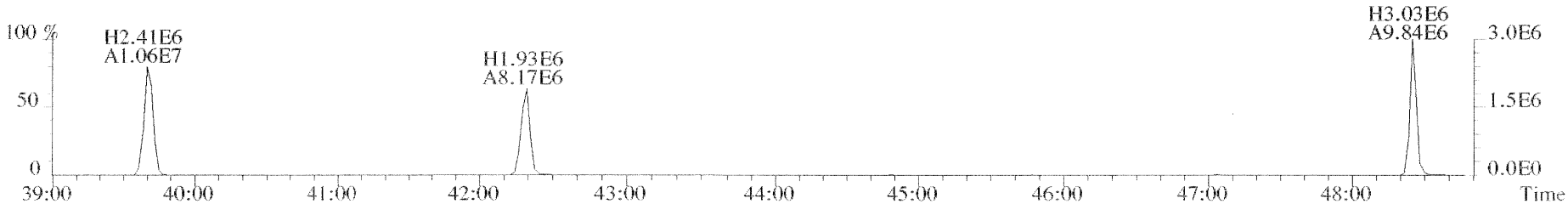
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



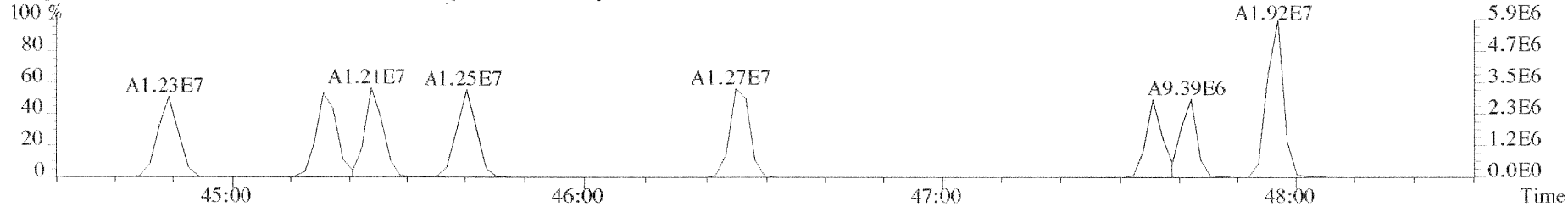
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



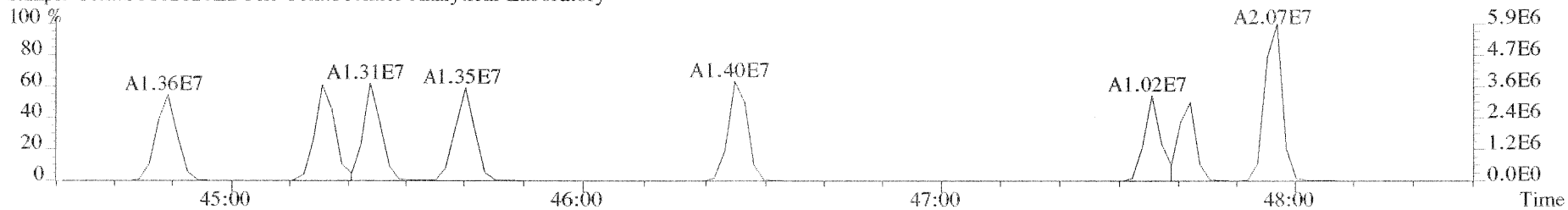
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



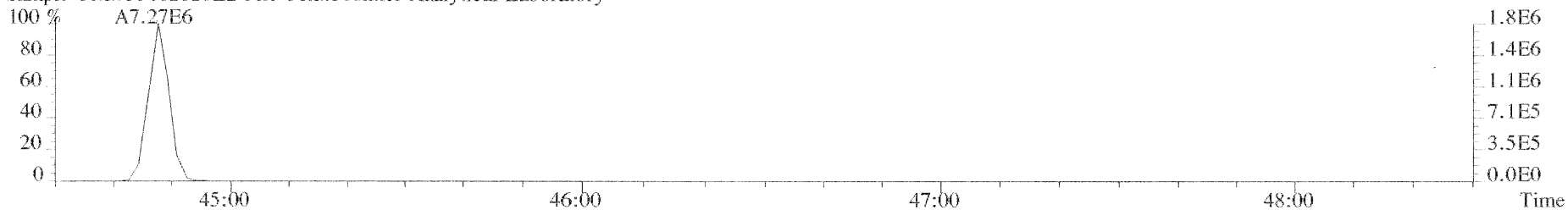
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



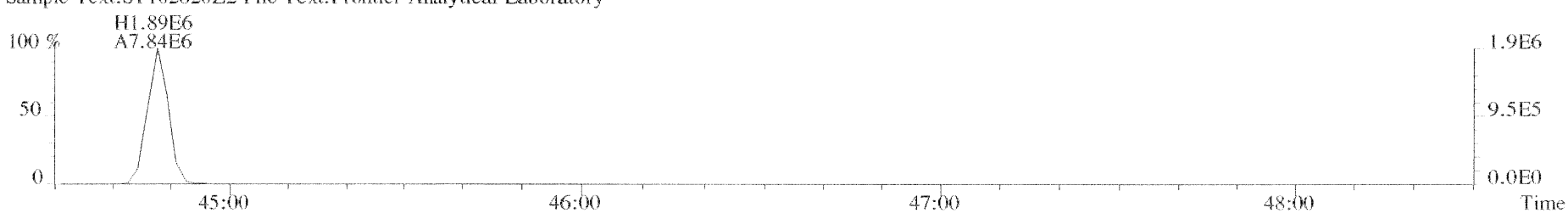
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



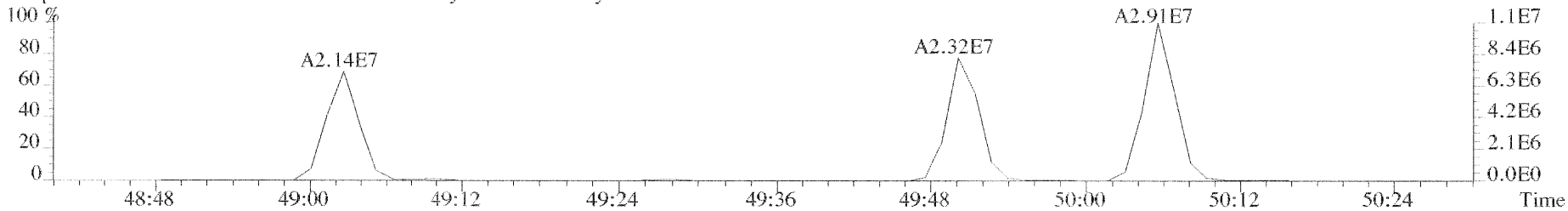
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



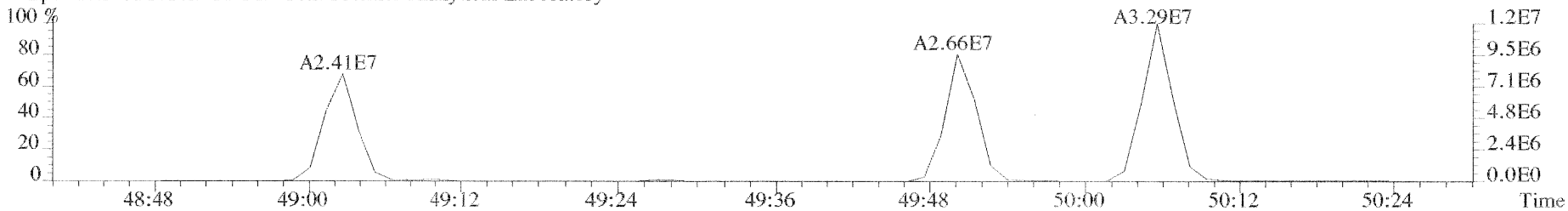
File:28OCT20Z #1-407 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



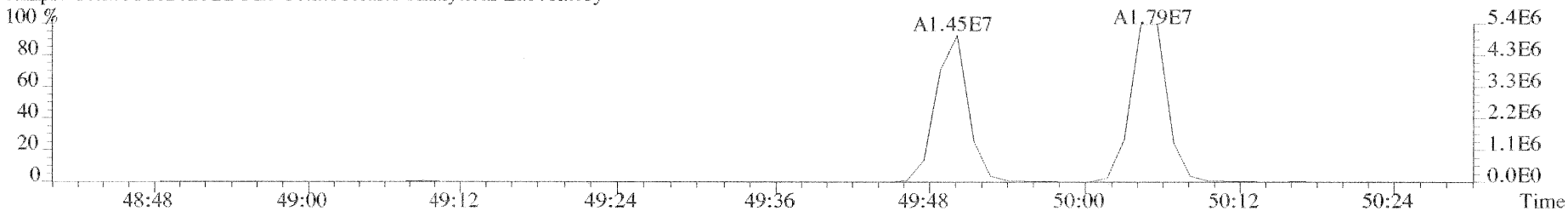
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



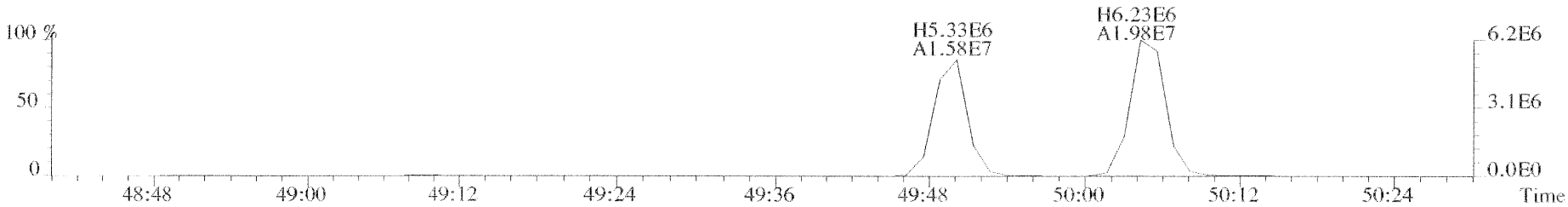
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



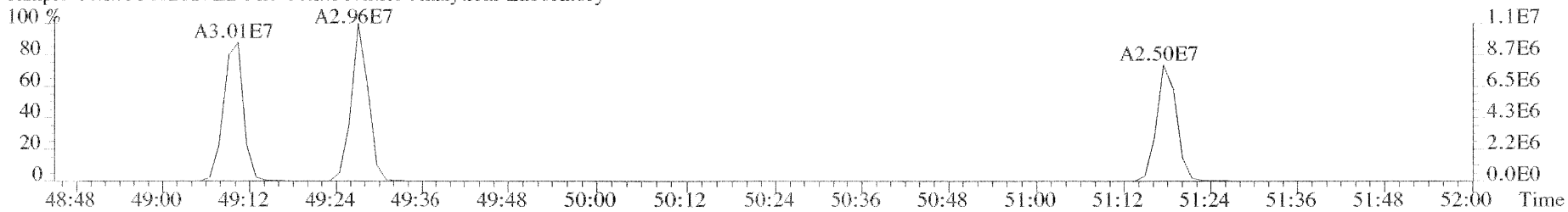
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



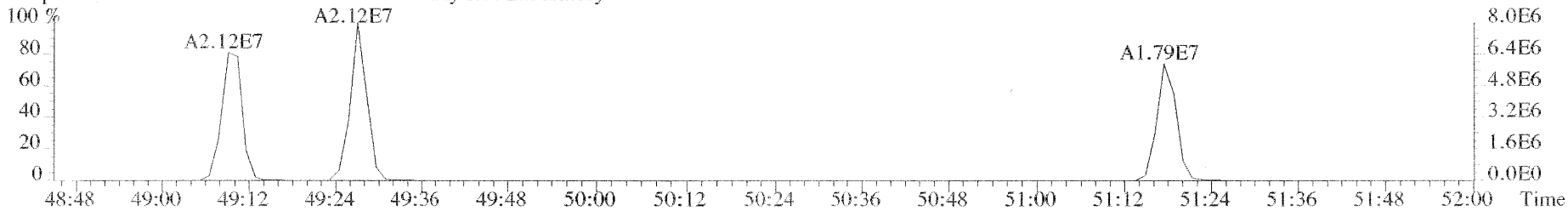
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



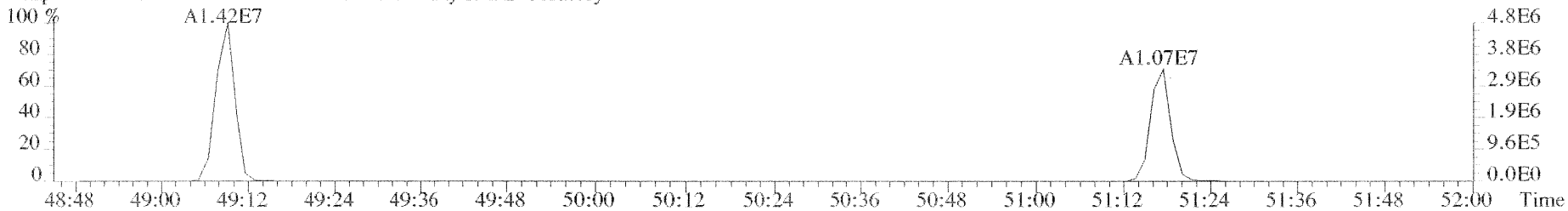
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



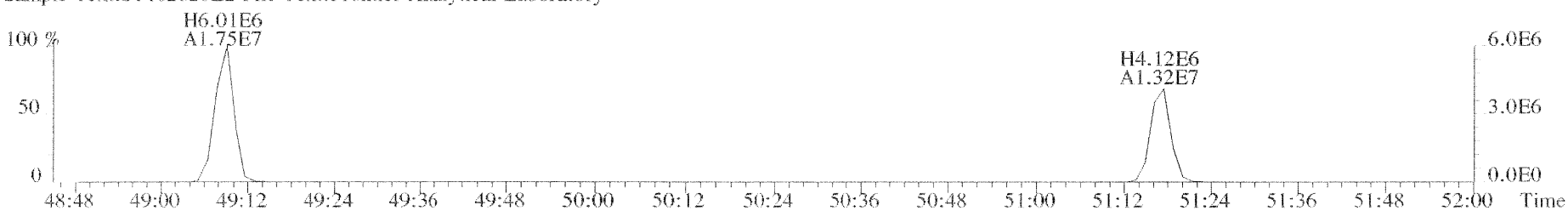
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



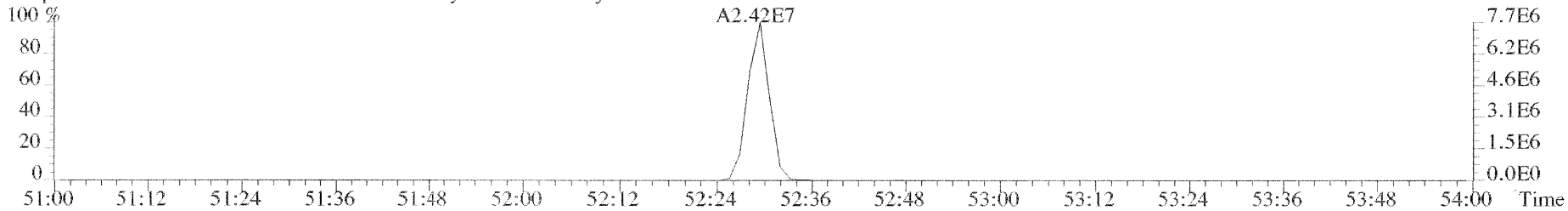
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



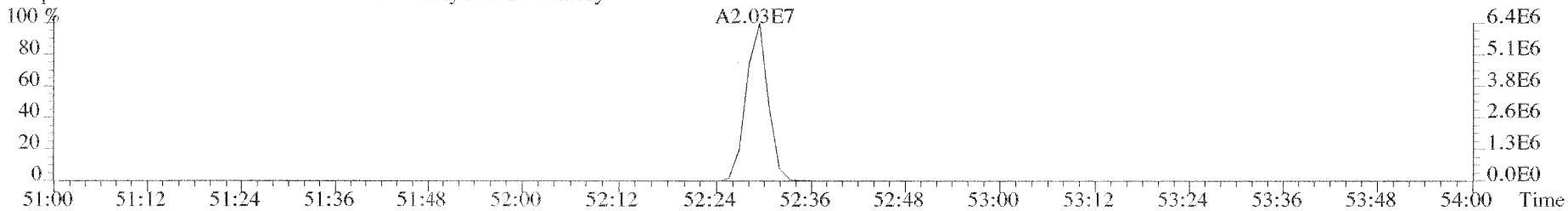
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



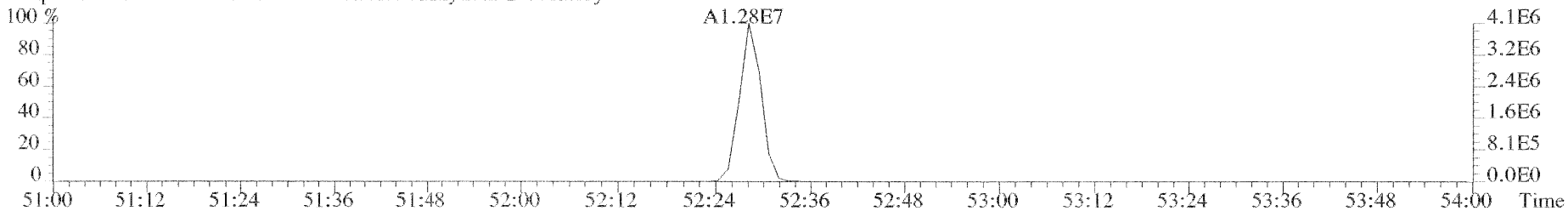
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



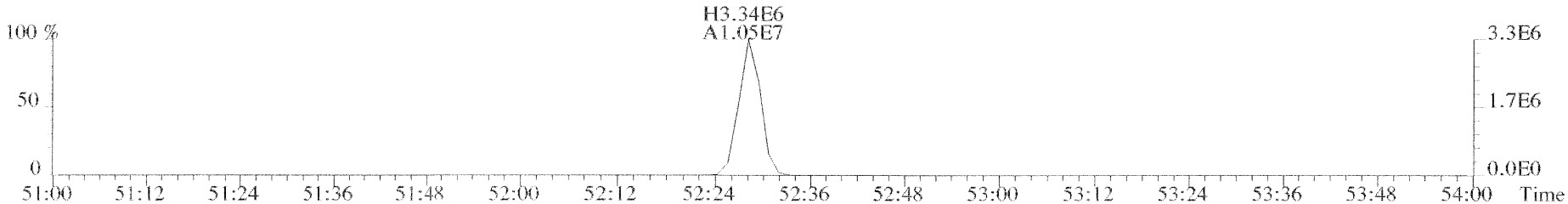
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory



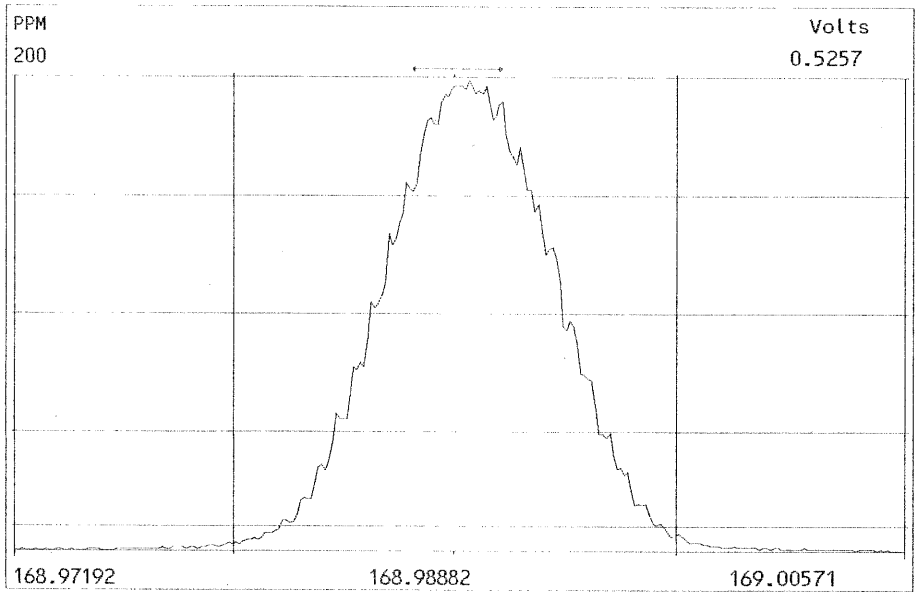
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory

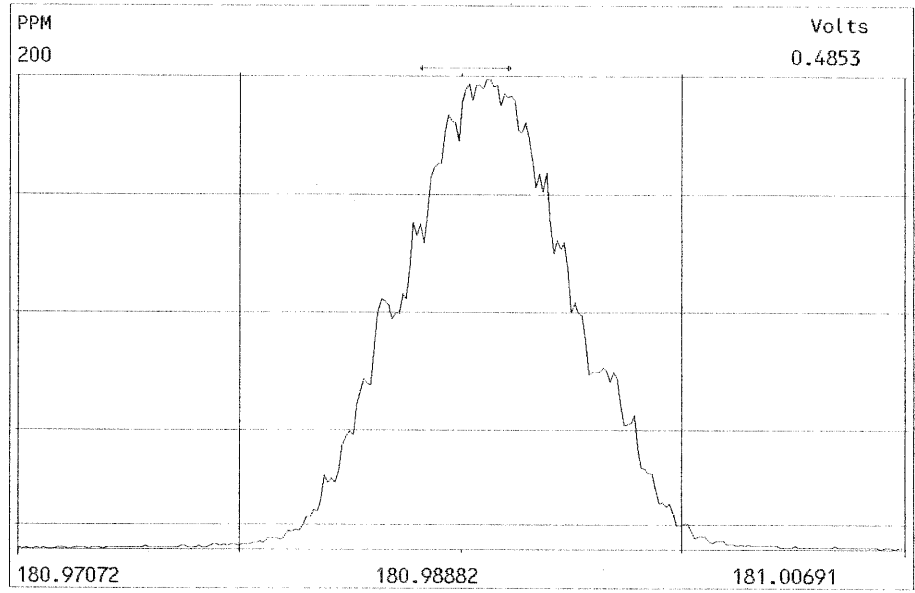


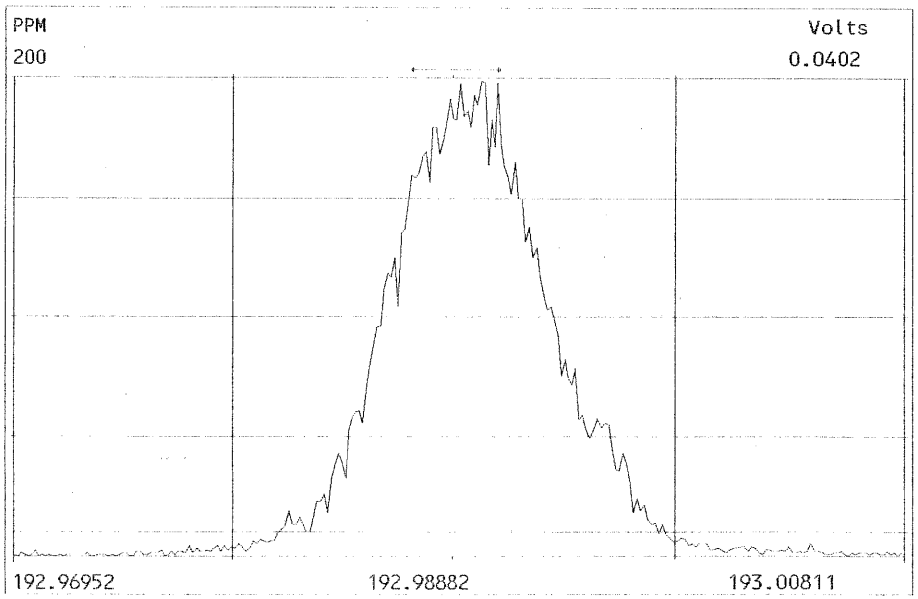
File:28OCT20Z #1-314 Acq:28-OCT-2020 17:15:15 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102820Z2 File Text:Frontier Analytical Laboratory

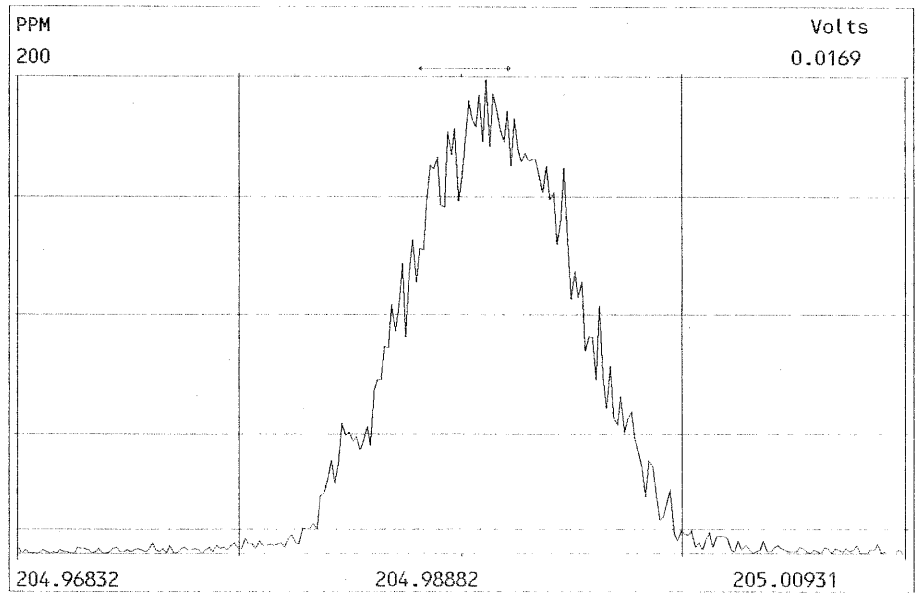


Peak Locate Examination:28-OCT-2020:18:42 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

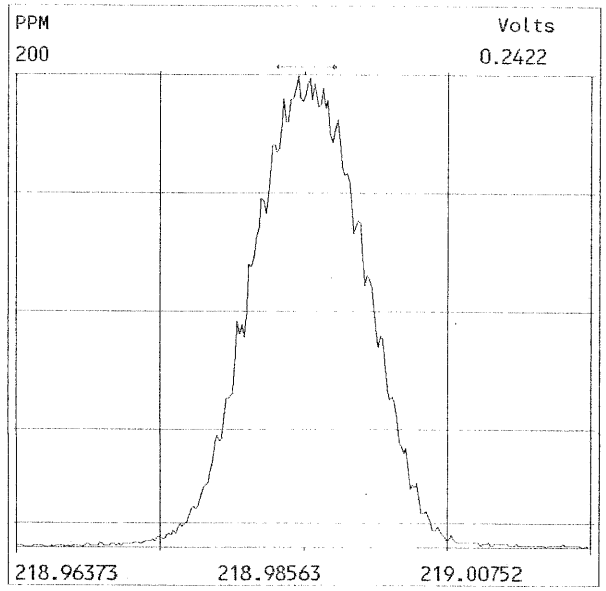


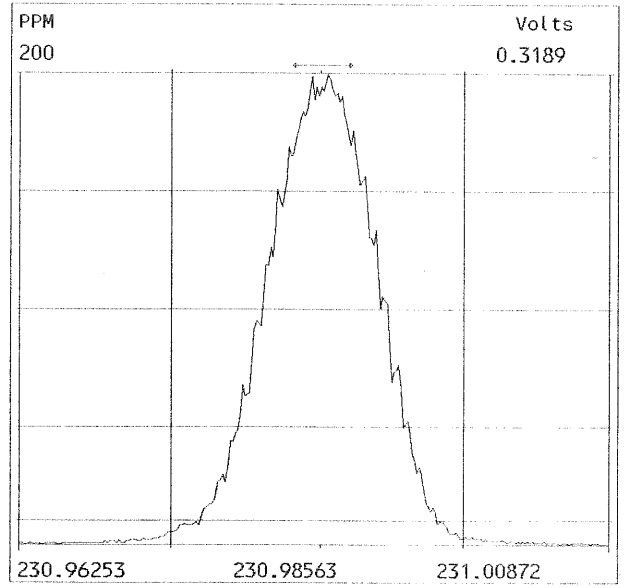


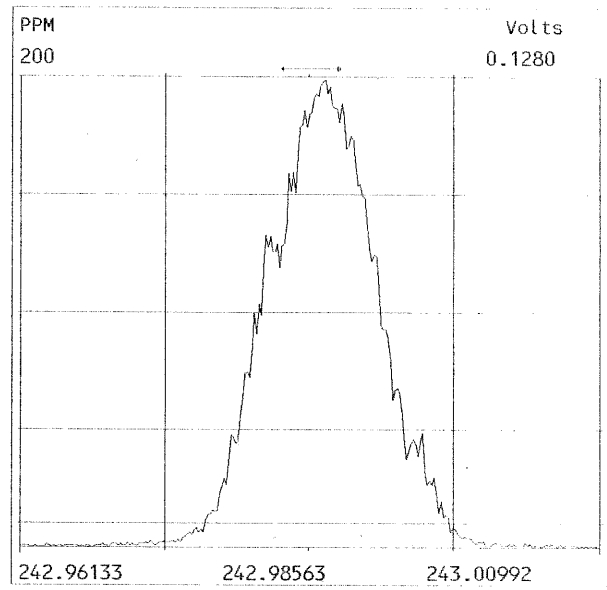


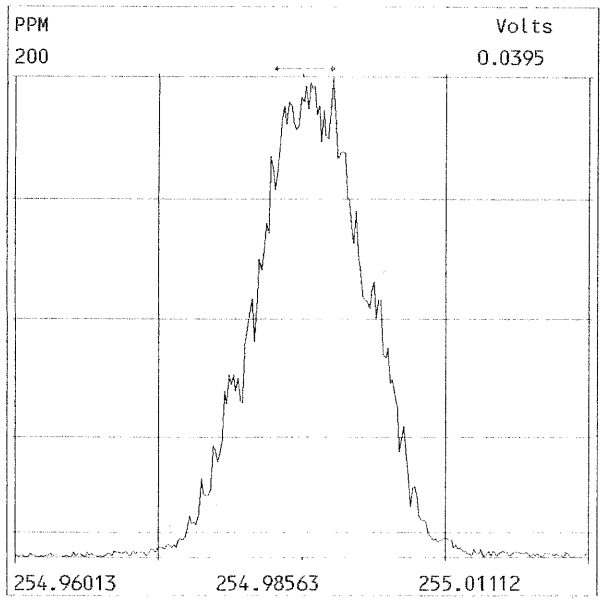


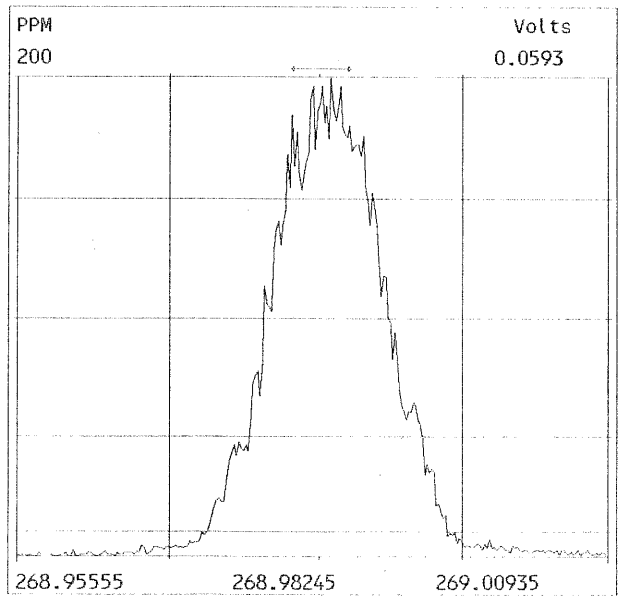
Peak Locate Examination:28-OCT-2020:18:44 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

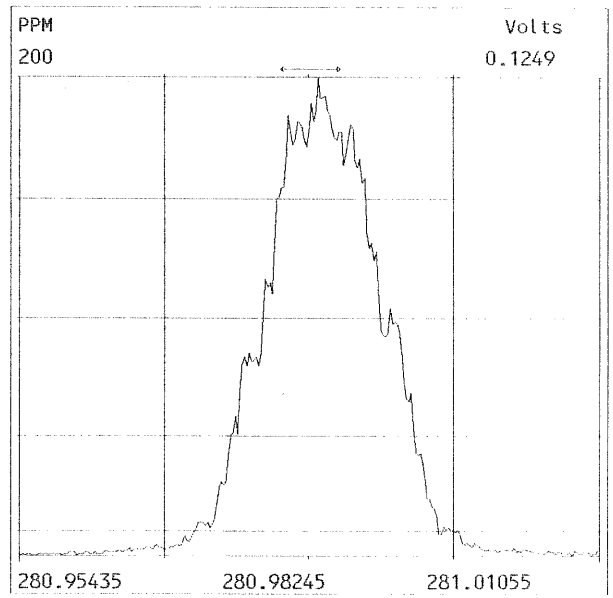




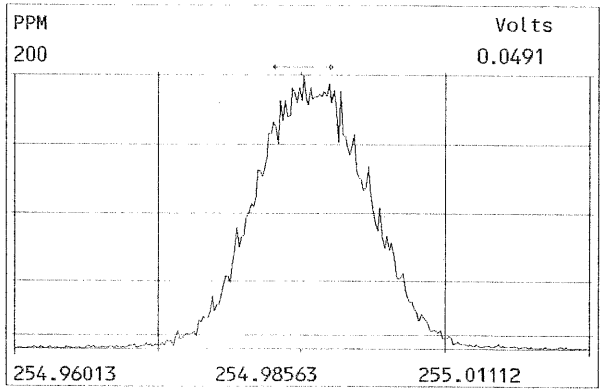


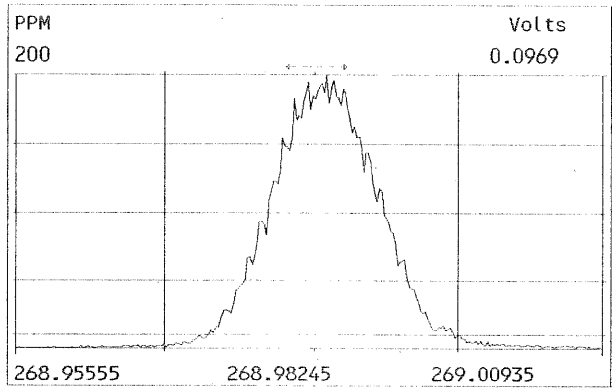


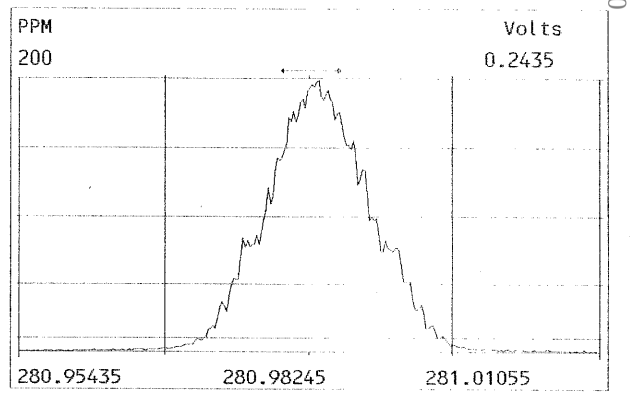


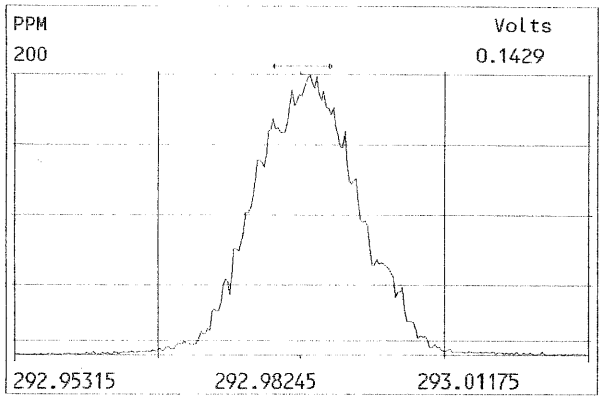


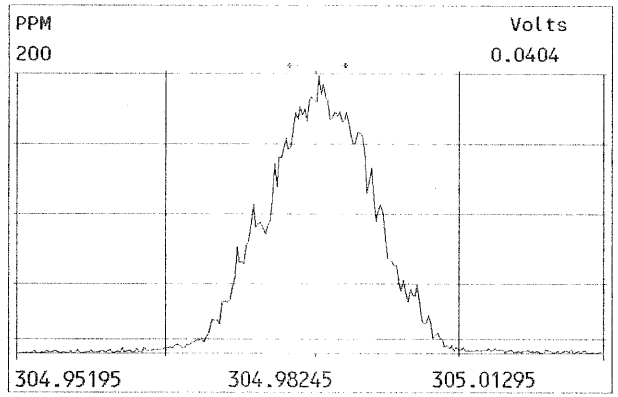
Peak Locate Examination:28-OCT-2020:18:47 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

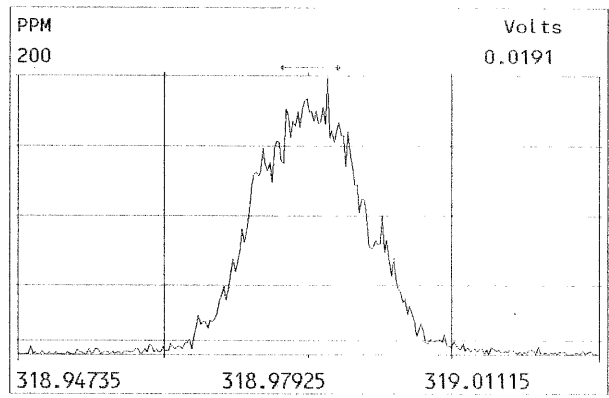


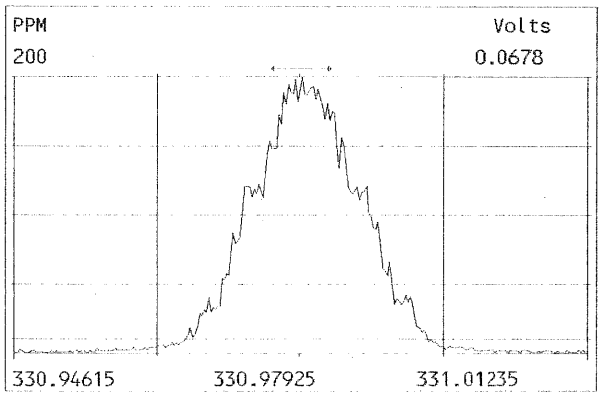


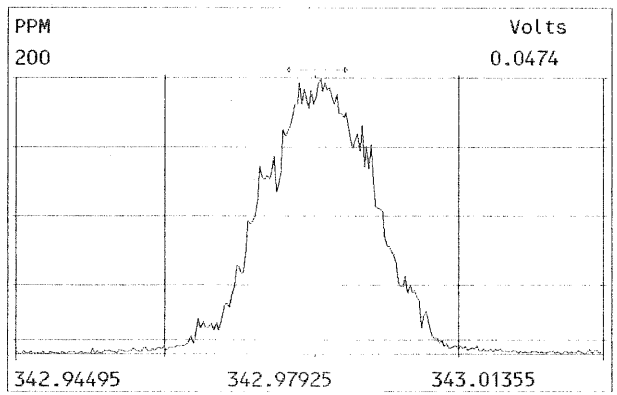




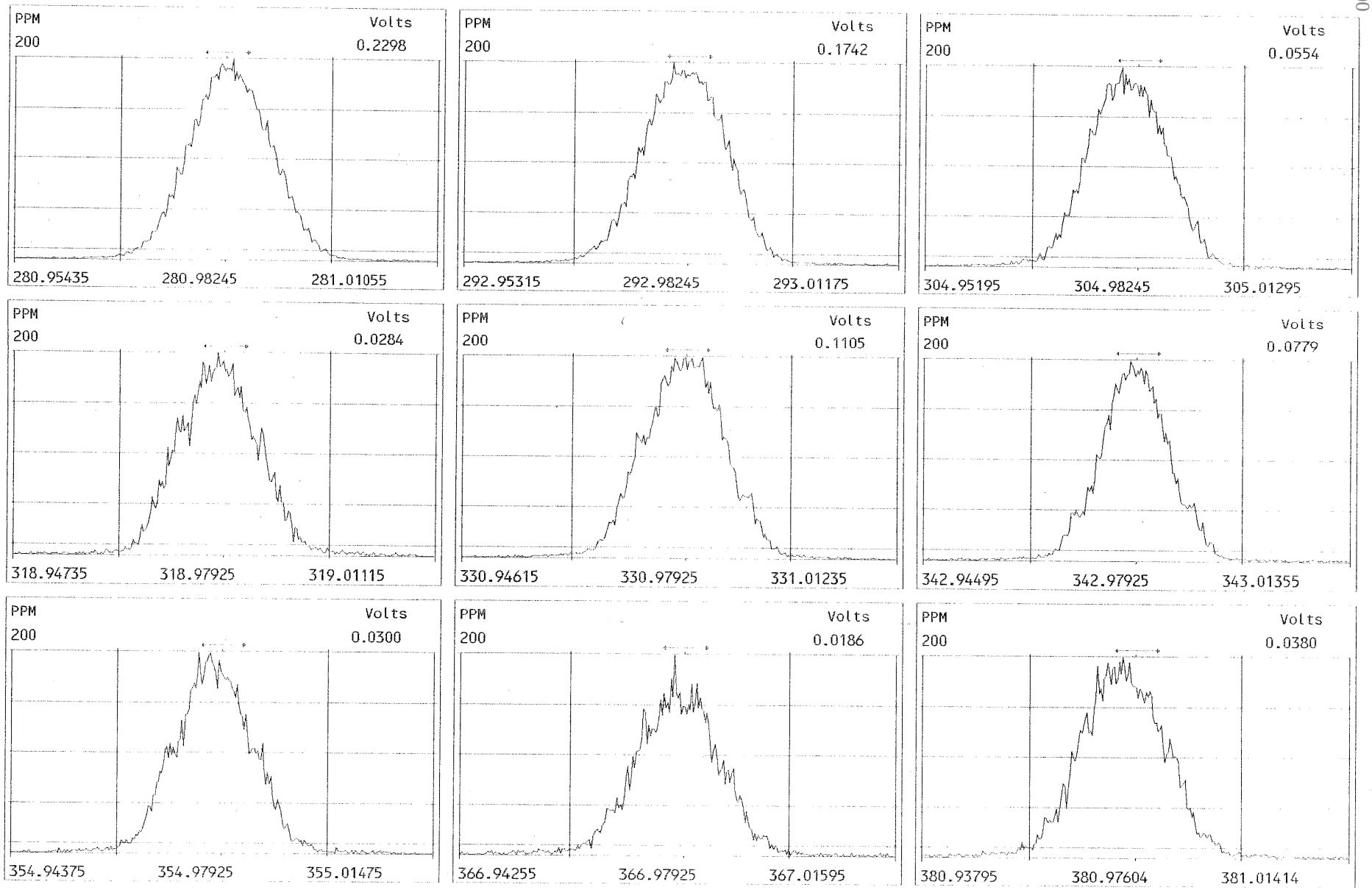




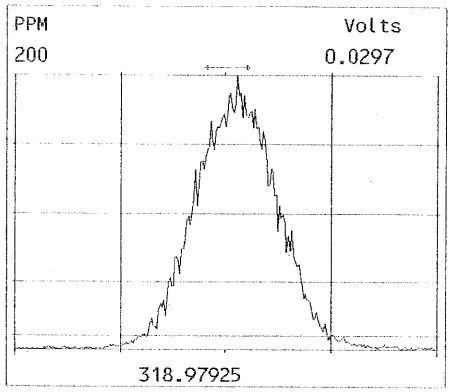


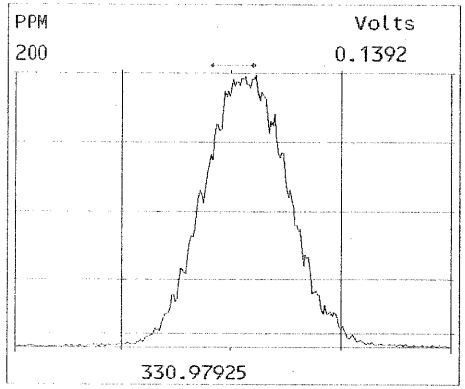


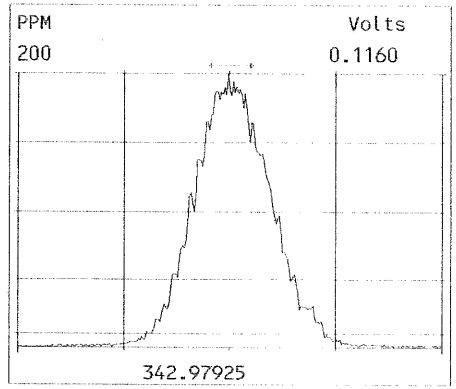
Peak Locate Examination:28-OCT-2020:18:49 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

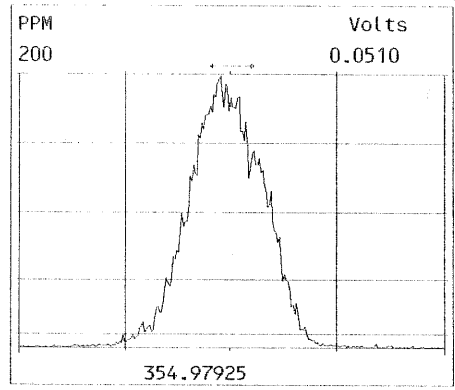


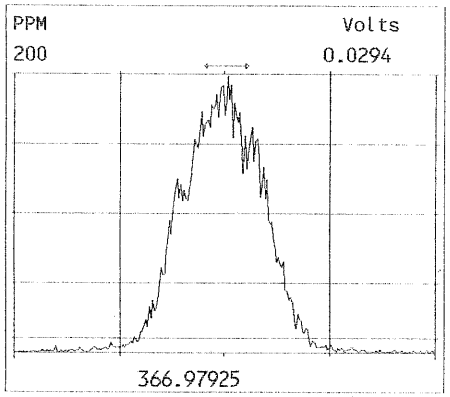
Peak Locate Examination:28-OCT-2020:18:52 File:28OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

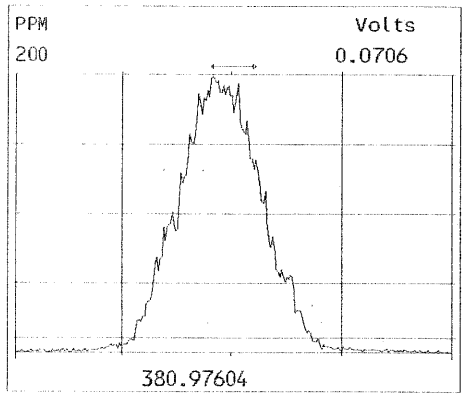


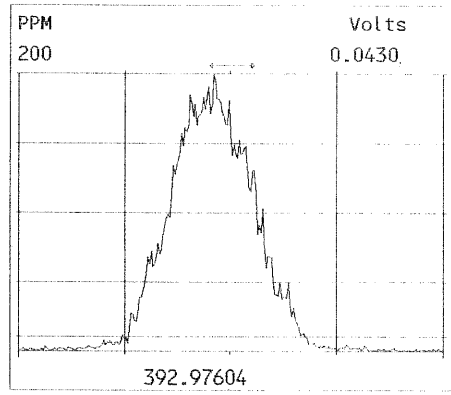


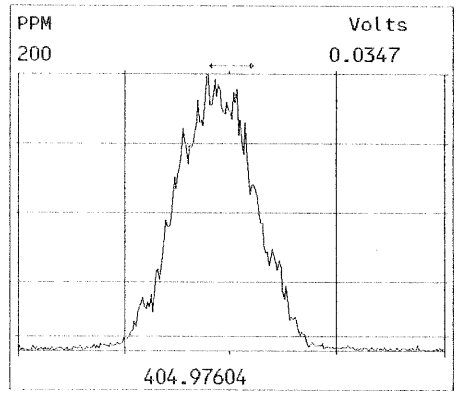


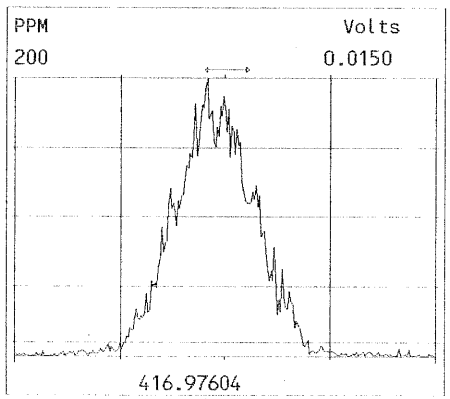


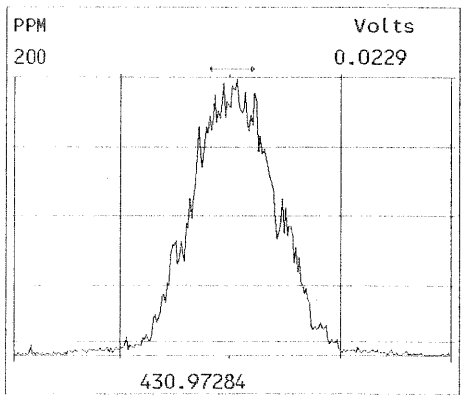


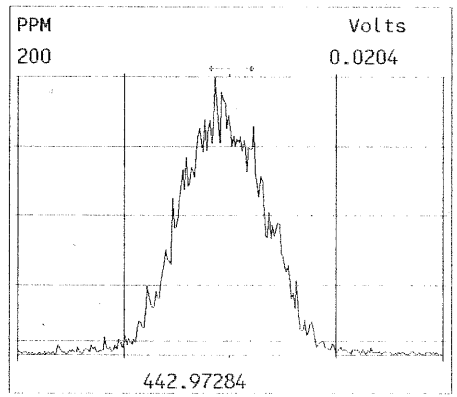
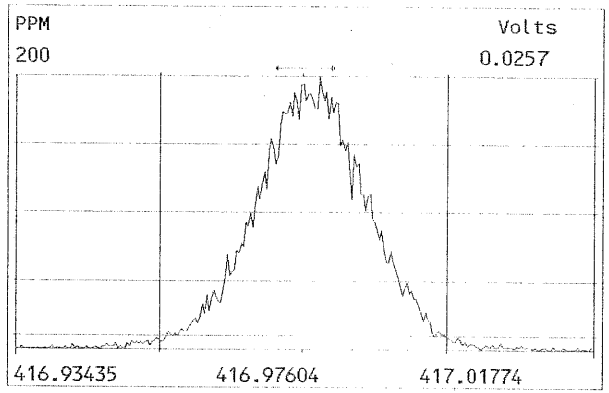
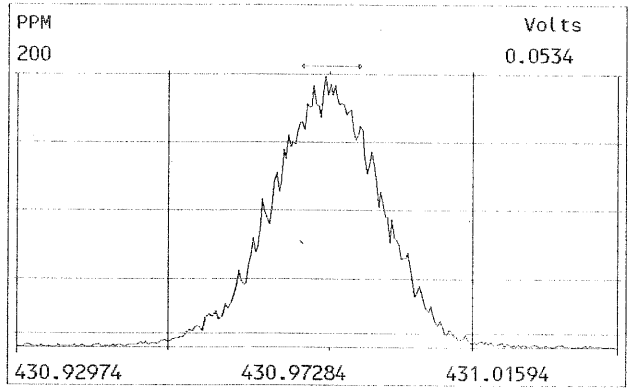
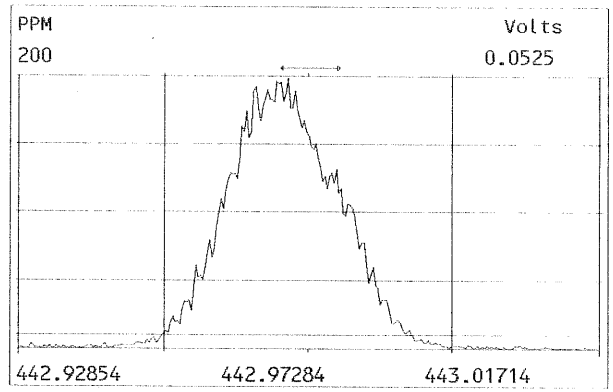
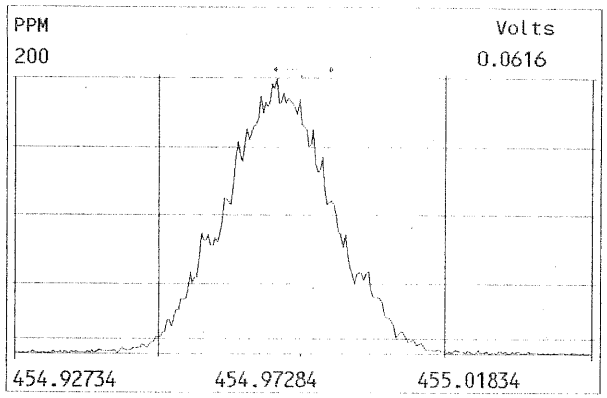
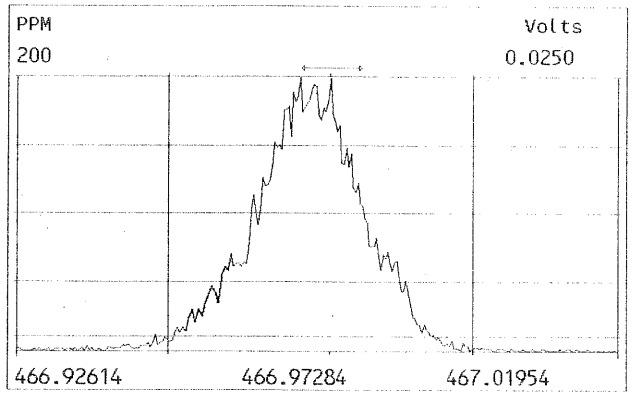
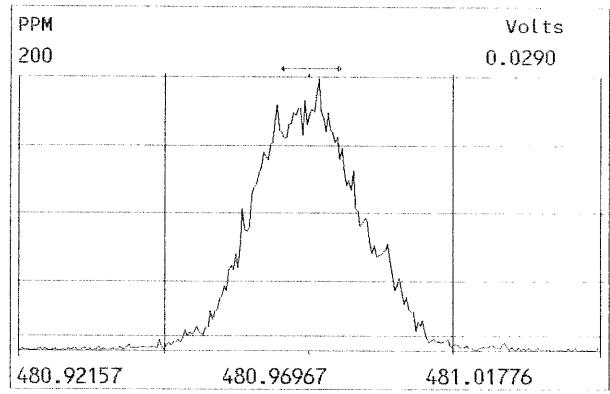
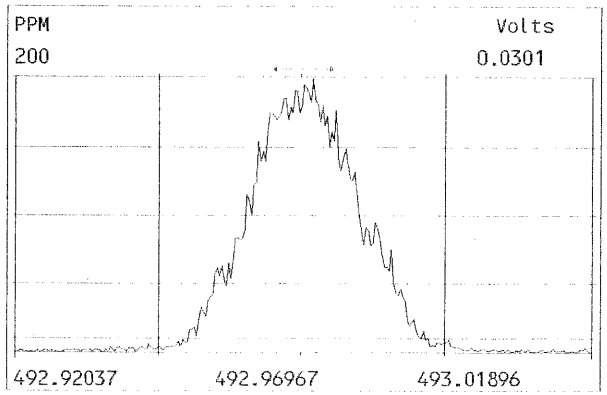
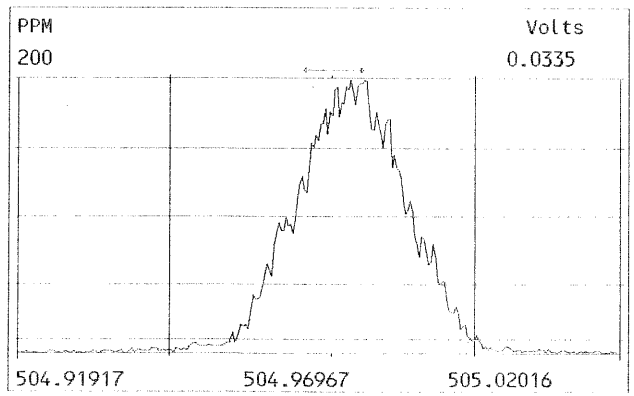
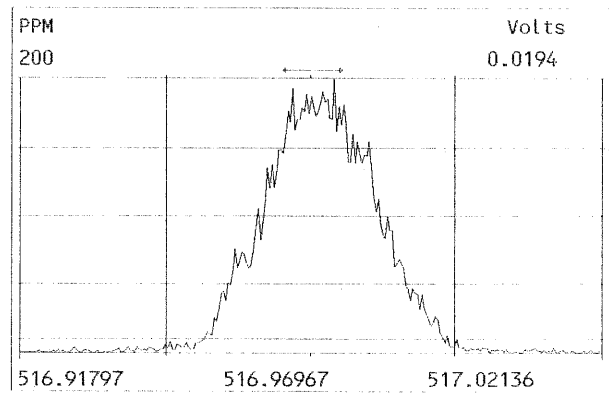








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