February 5, 2021

Project ID: 13559

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 **13559**. These results correspond to your **LDW ENR/AC Pilot Study** project and project number **LY15160310**. Six sediment samples were received on 1/26/2021 at Frontier Analytical Laboratory in good condition. All 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 ten business days was assigned to project **13559**.

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, our sample login form and a sample photo. The Laboratory Raw Data section contains our project request sheet, the percent solids sheet, an extraction bench sheet and the cleanup bench sheet. The instrument raw data section contains three sub-sections; the sample results section, the initial calibration section and the continuing/ending calibration section. The sample results sub-section consists of the quantitation summary forms with chromatograms for all samples and QC. The initial calibration sub-section consists of the individual quantitation summary forms and chromatograms for each point of the initial calibration curve as well as an overall quantitation summary form of the initial calibration curve. The continuing/ending calibration sub-section consists of the quantitation summary forms and chromatograms for all daily calibration standards, beginning calibration, and ending calibration injections associated with the samples and QC. The enclosed results and Electronic Data Deliverable (EDD) are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**, our State of California ELAP certificate number is **2934**, and our State of Washington certificate number is **C844**. This report and the associated electronic data deliverable have been emailed to you. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13559**, 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: **13559**

Received on: **01/26/2021** Project Due: **02/10/2021** Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13559-001-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR-A-CORE	EPA 1668 PCB	Sediment	01/22/2021	10:25 am	01/24/2022
13559-002-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR-B-CORE	EPA 1668 PCB	Sediment	01/22/2021	11:50 am	01/24/2022
13559-003-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR-C-CORE	EPA 1668 PCB	Sediment	01/22/2021	10:40 am	01/24/2022
13559-004-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR+AC-A-CORE	EPA 1668 PCB	Sediment	01/22/2021	10:55 am	01/24/2022
13559-005-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR+AC-B-CORE	EPA 1668 PCB	Sediment	01/22/2021	11:15 am	01/24/2022
13559-006-SA	0	LY15160310	LDW-Y3-LBS-SU-ENR+AC-C-CORE	EPA 1668 PCB	Sediment	01/22/2021	11:30 am	01/24/2022

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EPA Method 1668
PCBs

FAL ID: 13559-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.351			PCB-51	ND	0.445		
PCB-2	ND	0.407			PCB-52	ND	0.422	C	69
PCB-3	ND	0.473			PCB-53	ND	0.459		
PCB-4	ND	0.528			PCB-54	ND	0.344		
PCB-5	ND	0.429			PCB-55	ND	0.331		
PCB-6	ND	0.434			PCB-56	ND	0.478	C	60
PCB-7	ND	0.420			PCB-57	ND	0.363		
PCB-8	ND	0.430			PCB-58	ND	0.361		
PCB-9	ND	0.423			PCB-59	-	-	C042	42
PCB-10	ND	0.415			PCB-60	-	-	C056	56
PCB-11	ND	0.932			PCB-61	ND	0.387	C	70
PCB-12	ND	0.448			PCB-62	ND	0.373		
PCB-13	ND	0.457			PCB-63	ND	0.347		
PCB-14	ND	0.444			PCB-64	-	-	C041	41/71/72
PCB-15	ND	0.529			PCB-65	ND	0.369		
PCB-16	ND	0.518			PCB-66	ND	0.333	C	76
PCB-17	ND	0.574			PCB-67	ND	0.352		
PCB-18	ND	0.636			PCB-68	ND	0.334		
PCB-19	ND	0.640			PCB-69	-	-	C052	52
PCB-20	ND	0.655	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.600			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.568			PCB-73	ND	0.370		
PCB-24	ND	0.437			PCB-74	ND	0.352		
PCB-25	ND	0.675			PCB-75	-	-	C048	48
PCB-26	ND	0.660			PCB-76	-	-	C066	66
PCB-27	ND	0.445			PCB-77	ND	0.522		
PCB-28	ND	0.543			PCB-78	ND	0.464		
PCB-29	ND	0.635			PCB-79	ND	0.455		
PCB-30	ND	0.436			PCB-80	ND	0.297		
PCB-31	ND	0.659			PCB-81	ND	0.408		
PCB-32	ND	0.511			PCB-82	ND	0.776		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.586	C	112
PCB-34	ND	0.710			PCB-84	ND	0.686	C	92
PCB-35	ND	0.680			PCB-85	ND	0.544	C	116
PCB-36	ND	0.657			PCB-86	ND	0.626		
PCB-37	ND	0.650			PCB-87	ND	0.536	C	117/125
PCB-38	ND	0.612			PCB-88	ND	0.502	C	91
PCB-39	ND	0.660			PCB-89	ND	0.688		
PCB-40	ND	0.592			PCB-90	ND	0.598	C	101
PCB-41	ND	0.378	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.426	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.501	C	49	PCB-93	ND	0.596		
PCB-44	ND	0.565			PCB-94	ND	0.581		
PCB-45	ND	0.526			PCB-95	ND	0.560		
PCB-46	ND	0.549			PCB-96	ND	0.398		
PCB-47	ND	0.492			PCB-97	ND	0.714		
PCB-48	ND	0.376	C	75	PCB-98	ND	0.509	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.560		
PCB-50	ND	0.444			PCB-100	ND	0.475		

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EPA Method 1668
PCBs

FAL ID: 13559-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.607		
PCB-102	-	-	C098	98	PCB-152	ND	0.481		
PCB-103	ND	0.482			PCB-153	ND	0.501		
PCB-104	ND	0.386			PCB-154	ND	0.550		
PCB-105	ND	0.484			PCB-155	ND	0.466		
PCB-106	ND	0.458	C	118	PCB-156	ND	0.470		
PCB-107	ND	0.441	C	108	PCB-157	ND	0.480		
PCB-108	-	-	C107	107	PCB-158	ND	0.450	C	160
PCB-109	ND	0.487			PCB-159	ND	0.438		
PCB-110	ND	0.453			PCB-160	-	-	C158	158
PCB-111	ND	0.462	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.523			PCB-163	-	-	C138	138/164
PCB-114	ND	0.458			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.461		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.466		
PCB-118	-	-	C	106	PCB-168	ND	0.455		
PCB-119	ND	0.478			PCB-169	ND	0.549		
PCB-120	ND	0.460			PCB-170	ND	0.628		
PCB-121	ND	0.415			PCB-171	ND	0.581		
PCB-122	ND	0.429			PCB-172	ND	0.614		
PCB-123	ND	0.461			PCB-173	ND	0.638		
PCB-124	ND	0.465			PCB-174	ND	0.567		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.570		
PCB-126	ND	0.690			PCB-176	ND	0.425		
PCB-127	ND	0.484			PCB-177	ND	0.613		
PCB-128	ND	0.534	C	162	PCB-178	ND	0.584		
PCB-129	ND	0.681			PCB-179	ND	0.414		
PCB-130	ND	0.639			PCB-180	ND	0.595		
PCB-131	ND	0.670	C	133	PCB-181	ND	0.566		
PCB-132	ND	0.532	C	161	PCB-182	ND	0.515	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.523		
PCB-134	ND	0.669	C	143	PCB-184	ND	0.392		
PCB-135	ND	0.576			PCB-185	ND	0.571		
PCB-136	ND	0.464			PCB-186	ND	0.418		
PCB-137	ND	0.629			PCB-187	-	-	C182	182
PCB-138	ND	0.501	C	163/164	PCB-188	ND	0.417		
PCB-139	ND	0.549	C	149	PCB-189	ND	0.477		
PCB-140	ND	0.559			PCB-190	ND	0.465		
PCB-141	ND	0.597			PCB-191	ND	0.448		
PCB-142	ND	0.659			PCB-192	ND	0.464		
PCB-143	-	-	C134	134	PCB-193	ND	0.433		
PCB-144	ND	0.591			PCB-194	ND	0.684		
PCB-145	ND	0.478			PCB-195	ND	0.704		
PCB-146	ND	0.505	C	165	PCB-196	ND	0.599	C	203
PCB-147	ND	0.548			PCB-197	ND	0.455		
PCB-148	ND	0.663			PCB-198	ND	0.641		
PCB-149	-	-	C139	139	PCB-199	ND	0.658		
PCB-150	ND	0.476			PCB-200	ND	0.458		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.469		
PCB-202	ND	0.495		
PCB-203	-	-	C196	196
PCB-204	ND	0.466		
PCB-205	ND	0.563		
PCB-206	ND	0.465		
PCB-207	ND	0.316		
PCB-208	ND	0.295		
PCB-209	ND	0.285		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	96.1	5.00 - 145	
13C-PCB-3	90.7	5.00 - 145	
13C-PCB-4	93.2	5.00 - 145	
13C-PCB-15	85.6	5.00 - 145	
13C-PCB-19	92.1	5.00 - 145	
13C-PCB-37	84.5	5.00 - 145	
13C-PCB-54	100	5.00 - 145	
13C-PCB-77	85.5	10.0 - 145	
13C-PCB-81	84.6	10.0 - 145	
13C-PCB-104	100	10.0 - 145	
13C-PCB-105	90.7	10.0 - 145	
13C-PCB-114	95.0	10.0 - 145	
13C-PCB-118	97.9	10.0 - 145	
13C-PCB-123	90.0	10.0 - 145	
13C-PCB-126	90.9	10.0 - 145	
13C-PCB-155	102	10.0 - 145	
13C-PCB-156	90.6	10.0 - 145	
13C-PCB-157	95.8	10.0 - 145	
13C-PCB-167	93.1	10.0 - 145	
13C-PCB-169	90.8	10.0 - 145	
13C-PCB-188	100	10.0 - 145	
13C-PCB-189	95.8	10.0 - 145	
13C-PCB-202	99.2	10.0 - 145	
13C-PCB-205	94.3	10.0 - 145	
13C-PCB-206	96.3	10.0 - 145	
13C-PCB-208	97.2	10.0 - 145	
13C-PCB-209	101	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	94.3	5.00 - 145	
13C-PCB-111	89.8	10.0 - 145	
13C-PCB-178	98.1	10.0 - 145	

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

Analyst: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-001-OPR
Client ID: OPR
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: ng/ml

Acquired: 02-01-2021

Compound	% Recovery	QC Limits	Qual
PCB-1	92.0	60.0 - 135	
PCB-3	92.6	60.0 - 135	
PCB-4	97.2	60.0 - 135	
PCB-15	88.4	60.0 - 135	
PCB-19	91.4	60.0 - 135	
PCB-37	88.4	60.0 - 135	
PCB-54	90.4	60.0 - 135	
PCB-77	93.2	60.0 - 135	
PCB-81	84.4	60.0 - 135	
PCB-104	90.2	60.0 - 135	
PCB-105	85.0	60.0 - 135	
PCB-114	88.6	60.0 - 135	
PCB-118	88.0	60.0 - 135	
PCB-123	93.6	60.0 - 135	
PCB-126	87.0	60.0 - 135	
PCB-155	94.4	60.0 - 135	
PCB-156	85.4	60.0 - 135	
PCB-157	88.4	60.0 - 135	
PCB-167	88.6	60.0 - 135	
PCB-169	94.8	60.0 - 135	
PCB-188	93.8	60.0 - 135	
PCB-189	94.6	60.0 - 135	
PCB-202	94.2	60.0 - 135	
PCB-205	89.8	60.0 - 135	
PCB-206	86.8	60.0 - 135	
PCB-208	92.4	60.0 - 135	
PCB-209	85.6	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	97.4	15.0 - 145	
13C-PCB-3	93.1	15.0 - 145	
13C-PCB-4	92.1	15.0 - 145	
13C-PCB-15	91.0	15.0 - 145	
13C-PCB-19	92.7	15.0 - 145	
13C-PCB-37	89.6	15.0 - 145	
13C-PCB-54	98.4	15.0 - 145	
13C-PCB-77	90.4	40.0 - 145	
13C-PCB-81	89.9	40.0 - 145	
13C-PCB-104	94.2	40.0 - 145	
13C-PCB-105	94.0	40.0 - 145	
13C-PCB-114	96.1	40.0 - 145	
13C-PCB-118	101	40.0 - 145	
13C-PCB-123	93.7	40.0 - 145	
13C-PCB-126	94.4	40.0 - 145	
13C-PCB-155	104	40.0 - 145	
13C-PCB-156	94.4	40.0 - 145	
13C-PCB-157	98.0	40.0 - 145	
13C-PCB-167	96.6	40.0 - 145	
13C-PCB-169	98.1	40.0 - 145	
13C-PCB-188	99.9	40.0 - 145	
13C-PCB-189	98.7	40.0 - 145	
13C-PCB-202	103	40.0 - 145	
13C-PCB-205	93.9	40.0 - 145	
13C-PCB-206	94.5	40.0 - 145	
13C-PCB-208	93.7	40.0 - 145	
13C-PCB-209	96.7	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	95.2	15.0 - 145	
13C-PCB-111	93.0	40.0 - 145	
13C-PCB-178	97.5	40.0 - 145	

Analyst: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-001-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.25 g
% Solids: 78.56

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 8970

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	6.12	-			PCB-51	5.59	-		
PCB-2	0.805	-	J		PCB-52	227	-	C	69
PCB-3	5.32	-			PCB-53	18.6	-		
PCB-4	13.2	-			PCB-54	ND	0.475		
PCB-5	2.16	-			PCB-55	3.34	-		
PCB-6	11.6	-			PCB-56	80.4	-	C	60
PCB-7	3.55	-			PCB-57	1.17	-	J	
PCB-8	44.6	-			PCB-58	1.29	-	J	
PCB-9	2.65	-			PCB-59	-	-	C042	42
PCB-10	1.17	-	J		PCB-60	-	-	C056	56
PCB-11	3.66	-			PCB-61	208	-	C	70
PCB-12	3.51	-			PCB-62	ND	0.514		
PCB-13	2.43	-			PCB-63	6.63	-		
PCB-14	ND	0.539			PCB-64	-	-	C041	41/71/72
PCB-15	25.5	-			PCB-65	ND	0.510		
PCB-16	19.6	-			PCB-66	151	-	C	76
PCB-17	31.8	-			PCB-67	5.88	-		
PCB-18	65.9	-			PCB-68	1.95	-		
PCB-19	5.79	-			PCB-69	-	-	C052	52
PCB-20	65.4	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	34.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.427			PCB-73	1.97	-		
PCB-24	3.78	-			PCB-74	72.7	-		
PCB-25	15.4	-			PCB-75	-	-	C048	48
PCB-26	23.9	-			PCB-76	-	-	C066	66
PCB-27	2.62	-			PCB-77	13.4	-		
PCB-28	105	-			PCB-78	ND	0.451		
PCB-29	1.18	-	J		PCB-79	5.44	-		
PCB-30	ND	0.552			PCB-80	ND	0.409		
PCB-31	96.3	-			PCB-81	5.63	-		
PCB-32	24.7	-			PCB-82	41.6	-		
PCB-33	-	-	C020	20/21	PCB-83	20.3	-	C	112
PCB-34	1.19	-	J		PCB-84	189	-	C	92
PCB-35	2.33	-			PCB-85	55.9	-	C	116
PCB-36	ND	0.495			PCB-86	ND	0.551		
PCB-37	31.1	-			PCB-87	130	-	C	117/125
PCB-38	1.44	-	J		PCB-88	56.6	-	C	91
PCB-39	ND	0.497			PCB-89	3.78	-		
PCB-40	14.5	-			PCB-90	451	-	C	101
PCB-41	85.8	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	39.0	-	C	59	PCB-92	-	-	C084	84
PCB-43	157	-	C	49	PCB-93	ND	0.503		
PCB-44	129	-			PCB-94	2.42	-		
PCB-45	15.7	-			PCB-95	377	-		
PCB-46	6.56	-			PCB-96	ND	0.335		
PCB-47	50.0	-			PCB-97	127	-		
PCB-48	25.7	-	C	75	PCB-98	ND	0.430	C	102
PCB-49	-	-	C043	43	PCB-99	210	-		
PCB-50	ND	0.612			PCB-100	2.56	-		

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EPA Method 1668
PCBs

FAL ID: 13559-001-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.25 g
% Solids: 78.56

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	127	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.329		
PCB-103	8.21	-			PCB-153	519	-		
PCB-104	ND	0.326			PCB-154	15.0	-		
PCB-105	112	-			PCB-155	ND	0.319		
PCB-106	330	-	C	118	PCB-156	46.0	-		
PCB-107	28.3	-	C	108	PCB-157	9.18	-		
PCB-108	-	-	C107	107	PCB-158	52.6	-	C	160
PCB-109	ND	0.428			PCB-159	6.89	-		
PCB-110	398	-			PCB-160	-	-	C158	158
PCB-111	5.08	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.460			PCB-163	-	-	C138	138/164
PCB-114	9.04	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1.53	-	J	
PCB-117	-	-	C087	87/125	PCB-167	17.3	-		
PCB-118	-	-	C	106	PCB-168	ND	0.444		
PCB-119	17.8	-			PCB-169	ND	0.502		
PCB-120	ND	0.404			PCB-170	153	-		
PCB-121	ND	0.350			PCB-171	46.8	-		
PCB-122	3.59	-			PCB-172	28.1	-		
PCB-123	6.14	-			PCB-173	3.72	-		
PCB-124	13.3	-			PCB-174	160	-		
PCB-125	-	-	C087	87/117	PCB-175	7.57	-		
PCB-126	1.64	-	J		PCB-176	24.5	-		
PCB-127	ND	0.444			PCB-177	107	-		
PCB-128	70.7	-	C	162	PCB-178	37.7	-		
PCB-129	19.7	-			PCB-179	74.8	-		
PCB-130	34.3	-			PCB-180	392	-		
PCB-131	18.3	-	C	133	PCB-181	ND	0.704		
PCB-132	136	-	C	161	PCB-182	227	-	C	187
PCB-133	-	-	C131	131	PCB-183	106	-		
PCB-134	27.3	-	C	143	PCB-184	ND	0.487		
PCB-135	66.9	-			PCB-185	17.9	-		
PCB-136	70.2	-			PCB-186	ND	0.519		
PCB-137	22.4	-			PCB-187	-	-	C182	182
PCB-138	491	-	C	163/164	PCB-188	ND	0.555		
PCB-139	422	-	C	149	PCB-189	5.97	-		
PCB-140	6.13	-			PCB-190	35.0	-		
PCB-141	81.8	-			PCB-191	7.76	-		
PCB-142	ND	0.643			PCB-192	ND	0.577		
PCB-143	-	-	C134	134	PCB-193	22.6	-		
PCB-144	25.0	-			PCB-194	92.8	-		
PCB-145	ND	0.327			PCB-195	38.5	-		
PCB-146	96.2	-	C	165	PCB-196	123	-	C	203
PCB-147	9.85	-			PCB-197	4.85	-		
PCB-148	ND	0.454			PCB-198	4.88	-		
PCB-149	-	-	C139	139	PCB-199	108	-		
PCB-150	1.55	-	J		PCB-200	12.7	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-001-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.25 g
% Solids: 78.56

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	15.3	-		
PCB-202	21.6	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.509		
PCB-205	5.53	-		
PCB-206	49.0	-		
PCB-207	6.39	-		
PCB-208	13.0	-		
PCB-209	27.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	97.9	5.00 - 145	
13C-PCB-3	95.8	5.00 - 145	
13C-PCB-4	92.0	5.00 - 145	
13C-PCB-15	100	5.00 - 145	
13C-PCB-19	96.1	5.00 - 145	
13C-PCB-37	96.7	5.00 - 145	
13C-PCB-54	92.5	5.00 - 145	
13C-PCB-77	102	10.0 - 145	
13C-PCB-81	99.8	10.0 - 145	
13C-PCB-104	87.0	10.0 - 145	
13C-PCB-105	103	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	104	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	99.9	10.0 - 145	
13C-PCB-156	100	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	102	10.0 - 145	
13C-PCB-169	103	10.0 - 145	
13C-PCB-188	95.4	10.0 - 145	
13C-PCB-189	95.5	10.0 - 145	
13C-PCB-202	94.1	10.0 - 145	
13C-PCB-205	102	10.0 - 145	
13C-PCB-206	92.3	10.0 - 145	
13C-PCB-208	97.0	10.0 - 145	
13C-PCB-209	89.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	102	5.00 - 145	
13C-PCB-111	96.4	10.0 - 145	
13C-PCB-178	95.7	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: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FAL ID: 13559-002-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 8.82 g
% Solids: 80.95

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 159000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	43.9	-			PCB-51	212	-		
PCB-2	7.74	-			PCB-52	5840	-	C	69
PCB-3	29.6	-			PCB-53	637	-		
PCB-4	507	-			PCB-54	10.6	-		
PCB-5	59.6	-			PCB-55	85.1	-		
PCB-6	671	-			PCB-56	2800	-	C	60
PCB-7	86.1	-			PCB-57	32.6	-		
PCB-8	1860	-			PCB-58	29.3	-		
PCB-9	97.5	-			PCB-59	-	-	C042	42
PCB-10	27.1	-			PCB-60	-	-	C056	56
PCB-11	41.5	-			PCB-61	6330	-	C	70
PCB-12	105	-			PCB-62	ND	0.576		
PCB-13	85.9	-			PCB-63	235	-		
PCB-14	ND	0.749			PCB-64	-	-	C041	41/71/72
PCB-15	862	-			PCB-65	ND	0.571		
PCB-16	1020	-			PCB-66	5060	-	C	76
PCB-17	1700	-			PCB-67	184	-		
PCB-18	3750	-			PCB-68	31.7	-		
PCB-19	262	-			PCB-69	-	-	C052	52
PCB-20	3420	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	1940	-			PCB-72	-	-	C041	41/64/71
PCB-23	9.10	-			PCB-73	61.7	-		
PCB-24	143	-			PCB-74	2710	-		
PCB-25	946	-			PCB-75	-	-	C048	48
PCB-26	1680	-			PCB-76	-	-	C066	66
PCB-27	129	-			PCB-77	422	-		
PCB-28	6170	-			PCB-78	20.2	-		
PCB-29	39.8	-			PCB-79	66.4	-		
PCB-30	ND	0.495			PCB-80	ND	0.459		
PCB-31	6180	-			PCB-81	90.7	-		
PCB-32	1190	-			PCB-82	735	-		
PCB-33	-	-	C020	20/21	PCB-83	330	-	C	112
PCB-34	79.6	-			PCB-84	3030	-	C	92
PCB-35	85.6	-			PCB-85	934	-	C	116
PCB-36	ND	0.667			PCB-86	ND	0.695		
PCB-37	1230	-			PCB-87	2160	-	C	117/125
PCB-38	31.0	-			PCB-88	1090	-	C	91
PCB-39	11.0	-			PCB-89	86.5	-		
PCB-40	489	-			PCB-90	6990	-	C	101
PCB-41	2690	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	1300	-	C	59	PCB-92	-	-	C084	84
PCB-43	4660	-	C	49	PCB-93	ND	1.00		
PCB-44	3840	-			PCB-94	43.2	-		
PCB-45	685	-			PCB-95	6730	-		
PCB-46	264	-			PCB-96	40.4	-		
PCB-47	1440	-			PCB-97	2240	-		
PCB-48	952	-	C	75	PCB-98	ND	0.855	C	102
PCB-49	-	-	C043	43	PCB-99	3180	-		
PCB-50	21.4	-			PCB-100	38.0	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-002-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 8.82 g
% Solids: 80.95

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	1180	-		
PCB-102	-	-	C098	98	PCB-152	6.15	-		
PCB-103	85.3	-			PCB-153	4980	-		
PCB-104	ND	0.648			PCB-154	96.1	-		
PCB-105	1910	-			PCB-155	ND	0.512		
PCB-106	5520	-	C	118	PCB-156	608	-		
PCB-107	429	-	C	108	PCB-157	135	-		
PCB-108	-	-	C107	107	PCB-158	653	-	C	160
PCB-109	ND	0.541			PCB-159	44.6	-		
PCB-110	6510	-			PCB-160	-	-	C158	158
PCB-111	109	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.580			PCB-163	-	-	C138	138/164
PCB-114	125	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	23.0	-		
PCB-117	-	-	C087	87/125	PCB-167	234	-		
PCB-118	-	-	C	106	PCB-168	ND	0.487		
PCB-119	207	-			PCB-169	ND	0.573		
PCB-120	ND	0.511			PCB-170	1280	-		
PCB-121	ND	0.697			PCB-171	394	-		
PCB-122	53.6	-			PCB-172	223	-		
PCB-123	98.0	-			PCB-173	34.1	-		
PCB-124	212	-			PCB-174	1310	-		
PCB-125	-	-	C087	87/117	PCB-175	59.2	-		
PCB-126	24.4	-			PCB-176	188	-		
PCB-127	ND	0.487			PCB-177	818	-		
PCB-128	916	-	C	162	PCB-178	284	-		
PCB-129	278	-			PCB-179	576	-		
PCB-130	376	-			PCB-180	3040	-		
PCB-131	198	-	C	133	PCB-181	ND	0.898		
PCB-132	1860	-	C	161	PCB-182	1630	-	C	187
PCB-133	-	-	C131	131	PCB-183	780	-		
PCB-134	355	-	C	143	PCB-184	1.76	-	J	
PCB-135	682	-			PCB-185	143	-		
PCB-136	772	-			PCB-186	ND	0.662		
PCB-137	309	-			PCB-187	-	-	C182	182
PCB-138	5860	-	C	163/164	PCB-188	4.05	-		
PCB-139	4450	-	C	149	PCB-189	50.2	-		
PCB-140	45.7	-			PCB-190	272	-		
PCB-141	975	-			PCB-191	57.5	-		
PCB-142	ND	0.706			PCB-192	ND	0.736		
PCB-143	-	-	C134	134	PCB-193	143	-		
PCB-144	267	-			PCB-194	477	-		
PCB-145	2.79	-			PCB-195	243	-		
PCB-146	829	-	C	165	PCB-196	662	-	C	203
PCB-147	120	-			PCB-197	25.2	-		
PCB-148	ND	0.729			PCB-198	26.1	-		
PCB-149	-	-	C139	139	PCB-199	571	-		
PCB-150	12.2	-			PCB-200	74.8	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-002-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 8.82 g
% Solids: 80.95

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	84.5	-		
PCB-202	116	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.681		
PCB-205	29.6	-		
PCB-206	182	-		
PCB-207	24.9	-		
PCB-208	41.6	-		
PCB-209	67.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	96.4	5.00 - 145	
13C-PCB-3	98.3	5.00 - 145	
13C-PCB-4	92.1	5.00 - 145	
13C-PCB-15	95.7	5.00 - 145	
13C-PCB-19	87.2	5.00 - 145	
13C-PCB-37	86.4	5.00 - 145	
13C-PCB-54	93.9	5.00 - 145	
13C-PCB-77	106	10.0 - 145	
13C-PCB-81	103	10.0 - 145	
13C-PCB-104	82.2	10.0 - 145	
13C-PCB-105	102	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	106	10.0 - 145	
13C-PCB-126	109	10.0 - 145	
13C-PCB-155	97.1	10.0 - 145	
13C-PCB-156	103	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	103	10.0 - 145	
13C-PCB-169	101	10.0 - 145	
13C-PCB-188	90.1	10.0 - 145	
13C-PCB-189	92.8	10.0 - 145	
13C-PCB-202	91.6	10.0 - 145	
13C-PCB-205	106	10.0 - 145	
13C-PCB-206	98.6	10.0 - 145	
13C-PCB-208	113	10.0 - 145	
13C-PCB-209	94.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	105	5.00 - 145	
13C-PCB-111	97.6	10.0 - 145	
13C-PCB-178	95.6	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: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FAL ID: 13559-003-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.22 g
% Solids: 83.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 12700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	4.05	-			PCB-51	13.1	-		
PCB-2	0.817	-	J		PCB-52	357	-	C	69
PCB-3	3.87	-			PCB-53	38.0	-		
PCB-4	29.7	-			PCB-54	0.930	-	J	
PCB-5	6.62	-			PCB-55	9.29	-		
PCB-6	28.1	-			PCB-56	195	-	C	60
PCB-7	4.97	-			PCB-57	2.30	-		
PCB-8	99.9	-			PCB-58	1.18	-	J	
PCB-9	5.26	-			PCB-59	-	-	C042	42
PCB-10	1.55	-	J		PCB-60	-	-	C056	56
PCB-11	4.98	-			PCB-61	376	-	C	70
PCB-12	7.83	-			PCB-62	ND	0.493		
PCB-13	4.49	-			PCB-63	12.3	-		
PCB-14	ND	0.713			PCB-64	-	-	C041	41/71/72
PCB-15	65.4	-			PCB-65	ND	0.488		
PCB-16	54.0	-			PCB-66	292	-	C	76
PCB-17	78.2	-			PCB-67	10.3	-		
PCB-18	171	-			PCB-68	2.97	-		
PCB-19	14.1	-			PCB-69	-	-	C052	52
PCB-20	151	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	85.6	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.351			PCB-73	3.70	-		
PCB-24	8.08	-			PCB-74	147	-		
PCB-25	36.5	-			PCB-75	-	-	C048	48
PCB-26	56.3	-			PCB-76	-	-	C066	66
PCB-27	7.73	-			PCB-77	33.1	-		
PCB-28	270	-			PCB-78	ND	0.478		
PCB-29	1.87	-	J		PCB-79	6.44	-		
PCB-30	ND	0.627			PCB-80	ND	0.392		
PCB-31	207	-			PCB-81	10.5	-		
PCB-32	57.1	-			PCB-82	71.2	-		
PCB-33	-	-	C020	20/21	PCB-83	27.4	-	C	112
PCB-34	1.89	-	J		PCB-84	251	-	C	92
PCB-35	5.03	-			PCB-85	87.3	-	C	116
PCB-36	ND	0.407			PCB-86	ND	0.716		
PCB-37	84.3	-			PCB-87	216	-	C	117/125
PCB-38	1.83	-	J		PCB-88	76.3	-	C	91
PCB-39	ND	0.408			PCB-89	8.53	-		
PCB-40	44.7	-			PCB-90	614	-	C	101
PCB-41	208	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	90.3	-	C	59	PCB-92	-	-	C084	84
PCB-43	253	-	C	49	PCB-93	ND	0.666		
PCB-44	264	-			PCB-94	3.04	-		
PCB-45	37.5	-			PCB-95	482	-		
PCB-46	15.3	-			PCB-96	4.17	-		
PCB-47	90.4	-			PCB-97	194	-		
PCB-48	51.7	-	C	75	PCB-98	ND	0.570	C	102
PCB-49	-	-	C043	43	PCB-99	260	-		
PCB-50	1.38	-	J		PCB-100	3.25	-		

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EPA Method 1668
PCBs

FAL ID: 13559-003-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.22 g
% Solids: 83.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	118	-		
PCB-102	-	-	C098	98	PCB-152	1.06	-	J	
PCB-103	6.64	-			PCB-153	589	-		
PCB-104	ND	0.432			PCB-154	10.4	-		
PCB-105	204	-			PCB-155	ND	0.473		
PCB-106	502	-	C	118	PCB-156	83.2	-		
PCB-107	37.1	-	C	108	PCB-157	18.5	-		
PCB-108	-	-	C107	107	PCB-158	87.6	-	C	160
PCB-109	ND	0.557			PCB-159	5.22	-		
PCB-110	566	-			PCB-160	-	-	C158	158
PCB-111	11.3	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.598			PCB-163	-	-	C138	138/164
PCB-114	13.0	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.88	-		
PCB-117	-	-	C087	87/125	PCB-167	33.4	-		
PCB-118	-	-	C	106	PCB-168	ND	0.533		
PCB-119	14.1	-			PCB-169	ND	0.591		
PCB-120	ND	0.526			PCB-170	169	-		
PCB-121	ND	0.465			PCB-171	50.4	-		
PCB-122	5.81	-			PCB-172	29.1	-		
PCB-123	10.9	-			PCB-173	4.45	-		
PCB-124	24.3	-			PCB-174	159	-		
PCB-125	-	-	C087	87/117	PCB-175	6.74	-		
PCB-126	2.66	-			PCB-176	23.5	-		
PCB-127	ND	0.694			PCB-177	102	-		
PCB-128	114	-	C	162	PCB-178	33.9	-		
PCB-129	38.7	-			PCB-179	70.9	-		
PCB-130	47.1	-			PCB-180	382	-		
PCB-131	23.1	-	C	133	PCB-181	ND	0.800		
PCB-132	197	-	C	161	PCB-182	193	-	C	187
PCB-133	-	-	C131	131	PCB-183	103	-		
PCB-134	39.4	-	C	143	PCB-184	ND	0.554		
PCB-135	72.9	-			PCB-185	20.2	-		
PCB-136	83.5	-			PCB-186	ND	0.591		
PCB-137	38.9	-			PCB-187	-	-	C182	182
PCB-138	695	-	C	163/164	PCB-188	ND	0.651		
PCB-139	488	-	C	149	PCB-189	7.22	-		
PCB-140	5.76	-			PCB-190	38.1	-		
PCB-141	126	-			PCB-191	8.39	-		
PCB-142	ND	0.772			PCB-192	ND	0.656		
PCB-143	-	-	C134	134	PCB-193	20.8	-		
PCB-144	31.5	-			PCB-194	77.0	-		
PCB-145	ND	0.485			PCB-195	31.9	-		
PCB-146	89.5	-	C	165	PCB-196	96.2	-	C	203
PCB-147	14.4	-			PCB-197	3.81	-		
PCB-148	ND	0.672			PCB-198	5.60	-		
PCB-149	-	-	C139	139	PCB-199	89.0	-		
PCB-150	1.61	-	J		PCB-200	11.2	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-003-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.22 g
% Solids: 83.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	12.2	-		
PCB-202	18.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.706		
PCB-205	4.77	-		
PCB-206	40.8	-		
PCB-207	5.47	-		
PCB-208	10.3	-		
PCB-209	14.8	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	110	5.00 - 145	
13C-PCB-3	98.9	5.00 - 145	
13C-PCB-4	99.2	5.00 - 145	
13C-PCB-15	99.3	5.00 - 145	
13C-PCB-19	95.5	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	96.3	5.00 - 145	
13C-PCB-77	104	10.0 - 145	
13C-PCB-81	103	10.0 - 145	
13C-PCB-104	99.0	10.0 - 145	
13C-PCB-105	102	10.0 - 145	
13C-PCB-114	107	10.0 - 145	
13C-PCB-118	108	10.0 - 145	
13C-PCB-123	105	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	103	10.0 - 145	
13C-PCB-156	106	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	103	10.0 - 145	
13C-PCB-169	107	10.0 - 145	
13C-PCB-188	96.7	10.0 - 145	
13C-PCB-189	97.6	10.0 - 145	
13C-PCB-202	95.5	10.0 - 145	
13C-PCB-205	104	10.0 - 145	
13C-PCB-206	97.0	10.0 - 145	
13C-PCB-208	105	10.0 - 145	
13C-PCB-209	93.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	97.1	5.00 - 145	
13C-PCB-111	100	10.0 - 145	
13C-PCB-178	98.5	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: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-004-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 9.99 g
% Solids: 73.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 42300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	34.1	-			PCB-51	39.8	-		
PCB-2	2.53	-			PCB-52	1160	-	C	69
PCB-3	23.7	-			PCB-53	137	-		
PCB-4	81.5	-			PCB-54	2.32	-		
PCB-5	8.86	-			PCB-55	21.5	-		
PCB-6	75.8	-			PCB-56	556	-	C	60
PCB-7	17.3	-			PCB-57	4.97	-		
PCB-8	267	-			PCB-58	4.63	-		
PCB-9	14.9	-			PCB-59	-	-	C042	42
PCB-10	4.04	-			PCB-60	-	-	C056	56
PCB-11	7.99	-			PCB-61	1260	-	C	70
PCB-12	17.3	-			PCB-62	ND	0.773		
PCB-13	9.53	-			PCB-63	43.4	-		
PCB-14	ND	0.512			PCB-64	-	-	C041	41/71/72
PCB-15	122	-			PCB-65	ND	0.766		
PCB-16	183	-			PCB-66	966	-	C	76
PCB-17	256	-			PCB-67	32.1	-		
PCB-18	579	-			PCB-68	5.75	-		
PCB-19	47.9	-			PCB-69	-	-	C052	52
PCB-20	519	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	274	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.413			PCB-73	10.3	-		
PCB-24	26.6	-			PCB-74	498	-		
PCB-25	114	-			PCB-75	-	-	C048	48
PCB-26	197	-			PCB-76	-	-	C066	66
PCB-27	21.9	-			PCB-77	88.2	-		
PCB-28	842	-			PCB-78	ND	0.393		
PCB-29	6.72	-			PCB-79	21.9	-		
PCB-30	ND	0.550			PCB-80	ND	0.615		
PCB-31	935	-			PCB-81	26.8	-		
PCB-32	176	-			PCB-82	220	-		
PCB-33	-	-	C020	20/21	PCB-83	89.8	-	C	112
PCB-34	11.0	-			PCB-84	861	-	C	92
PCB-35	ND	0.495			PCB-85	282	-	C	116
PCB-36	ND	0.479			PCB-86	ND	0.682		
PCB-37	164	-			PCB-87	676	-	C	117/125
PCB-38	6.43	-			PCB-88	320	-	C	91
PCB-39	ND	0.480			PCB-89	23.8	-		
PCB-40	92.1	-			PCB-90	2150	-	C	101
PCB-41	491	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	222	-	C	59	PCB-92	-	-	C084	84
PCB-43	829	-	C	49	PCB-93	ND	0.694		
PCB-44	687	-			PCB-94	12.5	-		
PCB-45	124	-			PCB-95	2220	-		
PCB-46	49.3	-			PCB-96	10.6	-		
PCB-47	275	-			PCB-97	641	-		
PCB-48	151	-	C	75	PCB-98	ND	0.593	C	102
PCB-49	-	-	C043	43	PCB-99	893	-		
PCB-50	3.46	-			PCB-100	11.9	-		

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EPA Method 1668
PCBs

FAL ID: 13559-004-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 9.99 g
% Solids: 73.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	478	-		
PCB-102	-	-	C098	98	PCB-152	2.41	-		
PCB-103	27.9	-			PCB-153	1960	-		
PCB-104	ND	0.450			PCB-154	37.9	-		
PCB-105	595	-			PCB-155	ND	0.466		
PCB-106	1590	-	C	118	PCB-156	202	-		
PCB-107	121	-	C	108	PCB-157	43.2	-		
PCB-108	-	-	C107	107	PCB-158	221	-	C	160
PCB-109	ND	0.531			PCB-159	20.2	-		
PCB-110	1940	-			PCB-160	-	-	C158	158
PCB-111	32.5	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.570			PCB-163	-	-	C138	138/164
PCB-114	34.2	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	6.66	-		
PCB-117	-	-	C087	87/125	PCB-167	77.7	-		
PCB-118	-	-	C	106	PCB-168	ND	0.478		
PCB-119	55.8	-			PCB-169	ND	0.551		
PCB-120	6.97	-			PCB-170	597	-		
PCB-121	ND	0.484			PCB-171	183	-		
PCB-122	18.7	-			PCB-172	108	-		
PCB-123	22.3	-			PCB-173	12.2	-		
PCB-124	71.5	-			PCB-174	626	-		
PCB-125	-	-	C087	87/117	PCB-175	32.0	-		
PCB-126	8.24	-			PCB-176	88.6	-		
PCB-127	ND	0.485			PCB-177	388	-		
PCB-128	303	-	C	162	PCB-178	133	-		
PCB-129	90.3	-			PCB-179	269	-		
PCB-130	116	-			PCB-180	1550	-		
PCB-131	67.7	-	C	133	PCB-181	ND	0.657		
PCB-132	559	-	C	161	PCB-182	784	-	C	187
PCB-133	-	-	C131	131	PCB-183	383	-		
PCB-134	116	-	C	143	PCB-184	ND	0.455		
PCB-135	258	-			PCB-185	73.0	-		
PCB-136	313	-			PCB-186	ND	0.485		
PCB-137	110	-			PCB-187	-	-	C182	182
PCB-138	2100	-	C	163/164	PCB-188	1.74	-	J	
PCB-139	1640	-	C	149	PCB-189	23.6	-		
PCB-140	16.4	-			PCB-190	129	-		
PCB-141	379	-			PCB-191	27.0	-		
PCB-142	ND	0.693			PCB-192	ND	0.539		
PCB-143	-	-	C134	134	PCB-193	76.7	-		
PCB-144	98.0	-			PCB-194	262	-		
PCB-145	1.15	-	J		PCB-195	127	-		
PCB-146	301	-	C	165	PCB-196	335	-	C	203
PCB-147	37.7	-			PCB-197	13.7	-		
PCB-148	ND	0.663			PCB-198	18.1	-		
PCB-149	-	-	C139	139	PCB-199	309	-		
PCB-150	5.30	-			PCB-200	39.2	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-004-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 9.99 g
% Solids: 73.43

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	45.1	-		
PCB-202	65.1	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.626		
PCB-205	16.8	-		
PCB-206	128	-		
PCB-207	16.3	-		
PCB-208	31.4	-		
PCB-209	60.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	96.9	5.00 - 145	
13C-PCB-3	98.5	5.00 - 145	
13C-PCB-4	91.1	5.00 - 145	
13C-PCB-15	94.5	5.00 - 145	
13C-PCB-19	82.9	5.00 - 145	
13C-PCB-37	82.2	5.00 - 145	
13C-PCB-54	102	5.00 - 145	
13C-PCB-77	102	10.0 - 145	
13C-PCB-81	102	10.0 - 145	
13C-PCB-104	80.8	10.0 - 145	
13C-PCB-105	99.0	10.0 - 145	
13C-PCB-114	102	10.0 - 145	
13C-PCB-118	98.7	10.0 - 145	
13C-PCB-123	99.7	10.0 - 145	
13C-PCB-126	104	10.0 - 145	
13C-PCB-155	89.2	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	101	10.0 - 145	
13C-PCB-167	102	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	91.6	10.0 - 145	
13C-PCB-189	86.6	10.0 - 145	
13C-PCB-202	91.2	10.0 - 145	
13C-PCB-205	107	10.0 - 145	
13C-PCB-206	99.8	10.0 - 145	
13C-PCB-208	117	10.0 - 145	
13C-PCB-209	97.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	105	5.00 - 145	
13C-PCB-111	92.9	10.0 - 145	
13C-PCB-178	93.9	10.0 - 145	

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

Analyst: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-005-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.11 g
% Solids: 74.58

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021
Total Conc: 8950

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	8.87	-			PCB-51	6.33	-		
PCB-2	0.871	-	J		PCB-52	221	-	C	69
PCB-3	5.77	-			PCB-53	19.5	-		
PCB-4	19.6	-			PCB-54	ND	0.524		
PCB-5	4.29	-			PCB-55	5.08	-		
PCB-6	20.9	-			PCB-56	94.8	-	C	60
PCB-7	4.05	-			PCB-57	1.87	-	J	
PCB-8	66.6	-			PCB-58	0.945	-	J	
PCB-9	3.96	-			PCB-59	-	-	C042	42
PCB-10	1.59	-	J		PCB-60	-	-	C056	56
PCB-11	4.16	-			PCB-61	223	-	C	70
PCB-12	4.63	-			PCB-62	ND	0.567		
PCB-13	3.46	-			PCB-63	7.37	-		
PCB-14	ND	0.547			PCB-64	-	-	C041	41/71/72
PCB-15	36.1	-			PCB-65	ND	0.562		
PCB-16	39.0	-			PCB-66	162	-	C	76
PCB-17	55.7	-			PCB-67	7.43	-		
PCB-18	111	-			PCB-68	1.81	-	J	
PCB-19	9.90	-			PCB-69	-	-	C052	52
PCB-20	78.6	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	45.1	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.451			PCB-73	2.66	-		
PCB-24	6.56	-			PCB-74	78.5	-		
PCB-25	21.9	-			PCB-75	-	-	C048	48
PCB-26	34.6	-			PCB-76	-	-	C066	66
PCB-27	5.06	-			PCB-77	16.7	-		
PCB-28	125	-			PCB-78	ND	0.623		
PCB-29	1.18	-	J		PCB-79	4.90	-		
PCB-30	ND	0.874			PCB-80	ND	0.452		
PCB-31	128	-			PCB-81	6.07	-		
PCB-32	38.5	-			PCB-82	41.8	-		
PCB-33	-	-	C020	20/21	PCB-83	19.3	-	C	112
PCB-34	1.33	-	J		PCB-84	178	-	C	92
PCB-35	ND	0.540			PCB-85	58.3	-	C	116
PCB-36	ND	0.523			PCB-86	ND	0.722		
PCB-37	44.6	-			PCB-87	133	-	C	117/125
PCB-38	2.34	-			PCB-88	53.8	-	C	91
PCB-39	ND	0.524			PCB-89	4.05	-		
PCB-40	17.8	-			PCB-90	419	-	C	101
PCB-41	98.0	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	43.5	-	C	59	PCB-92	-	-	C084	84
PCB-43	170	-	C	49	PCB-93	ND	0.593		
PCB-44	144	-			PCB-94	2.36	-		
PCB-45	16.9	-			PCB-95	356	-		
PCB-46	6.64	-			PCB-96	2.14	-		
PCB-47	53.4	-			PCB-97	128	-		
PCB-48	25.8	-	C	75	PCB-98	ND	0.507	C	102
PCB-49	-	-	C043	43	PCB-99	199	-		
PCB-50	ND	0.676			PCB-100	3.21	-		

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EPA Method 1668
PCBs

FAL ID: 13559-005-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.11 g
% Solids: 74.58

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	115	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.394		
PCB-103	9.67	-			PCB-153	471	-		
PCB-104	ND	0.384			PCB-154	17.6	-		
PCB-105	121	-			PCB-155	ND	0.382		
PCB-106	320	-	C	118	PCB-156	47.5	-		
PCB-107	26.3	-	C	108	PCB-157	10.3	-		
PCB-108	-	-	C107	107	PCB-158	49.6	-	C	160
PCB-109	ND	0.562			PCB-159	5.86	-		
PCB-110	370	-			PCB-160	-	-	C158	158
PCB-111	5.28	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.602			PCB-163	-	-	C138	138/164
PCB-114	8.41	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1.63	-	J	
PCB-117	-	-	C087	87/125	PCB-167	17.7	-		
PCB-118	-	-	C	106	PCB-168	ND	0.510		
PCB-119	15.6	-			PCB-169	ND	0.595		
PCB-120	ND	0.530			PCB-170	152	-		
PCB-121	ND	0.413			PCB-171	41.4	-		
PCB-122	4.51	-			PCB-172	29.0	-		
PCB-123	5.22	-			PCB-173	2.64	-		
PCB-124	15.4	-			PCB-174	164	-		
PCB-125	-	-	C087	87/117	PCB-175	7.61	-		
PCB-126	1.96	-	J		PCB-176	23.8	-		
PCB-127	ND	0.426			PCB-177	109	-		
PCB-128	72.2	-	C	162	PCB-178	38.6	-		
PCB-129	19.9	-			PCB-179	73.9	-		
PCB-130	38.5	-			PCB-180	344	-		
PCB-131	20.0	-	C	133	PCB-181	ND	0.662		
PCB-132	120	-	C	161	PCB-182	213	-	C	187
PCB-133	-	-	C131	131	PCB-183	101	-		
PCB-134	26.7	-	C	143	PCB-184	ND	0.458		
PCB-135	65.6	-			PCB-185	16.6	-		
PCB-136	70.0	-			PCB-186	ND	0.489		
PCB-137	16.2	-			PCB-187	-	-	C182	182
PCB-138	446	-	C	163/164	PCB-188	ND	0.499		
PCB-139	380	-	C	149	PCB-189	6.17	-		
PCB-140	7.37	-			PCB-190	33.0	-		
PCB-141	78.8	-			PCB-191	7.65	-		
PCB-142	ND	0.738			PCB-192	ND	0.543		
PCB-143	-	-	C134	134	PCB-193	22.8	-		
PCB-144	20.4	-			PCB-194	85.7	-		
PCB-145	ND	0.392			PCB-195	38.5	-		
PCB-146	96.2	-	C	165	PCB-196	105	-	C	203
PCB-147	8.87	-			PCB-197	4.15	-		
PCB-148	ND	0.544			PCB-198	3.35	-		
PCB-149	-	-	C139	139	PCB-199	93.4	-		
PCB-150	1.62	-	J		PCB-200	10.9	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13559-005-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.11 g
% Solids: 74.58

ICal: DAILY209FAL4-2-1-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-01-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	13.8	-		
PCB-202	19.9	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.797		
PCB-205	5.55	-		
PCB-206	44.4	-		
PCB-207	6.01	-		
PCB-208	11.4	-		
PCB-209	23.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	112	5.00 - 145	
13C-PCB-3	97.9	5.00 - 145	
13C-PCB-4	93.9	5.00 - 145	
13C-PCB-15	106	5.00 - 145	
13C-PCB-19	71.9	5.00 - 145	
13C-PCB-37	108	5.00 - 145	
13C-PCB-54	105	5.00 - 145	
13C-PCB-77	114	10.0 - 145	
13C-PCB-81	115	10.0 - 145	
13C-PCB-104	99.3	10.0 - 145	
13C-PCB-105	109	10.0 - 145	
13C-PCB-114	112	10.0 - 145	
13C-PCB-118	116	10.0 - 145	
13C-PCB-123	112	10.0 - 145	
13C-PCB-126	107	10.0 - 145	
13C-PCB-155	93.1	10.0 - 145	
13C-PCB-156	107	10.0 - 145	
13C-PCB-157	112	10.0 - 145	
13C-PCB-167	111	10.0 - 145	
13C-PCB-169	111	10.0 - 145	
13C-PCB-188	91.1	10.0 - 145	
13C-PCB-189	95.6	10.0 - 145	
13C-PCB-202	104	10.0 - 145	
13C-PCB-205	108	10.0 - 145	
13C-PCB-206	101	10.0 - 145	
13C-PCB-208	114	10.0 - 145	
13C-PCB-209	95.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	100	5.00 - 145	
13C-PCB-111	96.2	10.0 - 145	
13C-PCB-178	95.6	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: _____

Date: 2/3/2021

Reviewed By: _____

Date: 2/3/2021

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EPA Method 1668
PCBs

FAL ID: 13559-006-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.00 g
% Solids: 78.90

ICal: DAILY209FAL4-2-3-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-03-2021
Total Conc: 21700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	8.43	-			PCB-51	16.5	-		
PCB-2	2.14	-			PCB-52	820	-	C	69
PCB-3	6.45	-			PCB-53	73.0	-		
PCB-4	37.8	-			PCB-54	1.49	-	J	
PCB-5	18.9	-			PCB-55	11.1	-		
PCB-6	86.9	-			PCB-56	274	-	C	60
PCB-7	15.9	-			PCB-57	4.30	-		
PCB-8	330	-			PCB-58	6.21	-		
PCB-9	16.2	-			PCB-59	-	-	C042	42
PCB-10	4.86	-			PCB-60	-	-	C056	56
PCB-11	13.5	-			PCB-61	180	-	C	70
PCB-12	3.91	-			PCB-62	ND	0.654		
PCB-13	3.97	-			PCB-63	18.5	-		
PCB-14	ND	0.941			PCB-64	-	-	C041	41/71/72
PCB-15	85.6	-			PCB-65	ND	0.612		
PCB-16	84.3	-			PCB-66	110	-	C	76
PCB-17	60.5	-			PCB-67	26.4	-		
PCB-18	79.6	-			PCB-68	2.88	-		
PCB-19	23.1	-			PCB-69	-	-	C052	52
PCB-20	251	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	89.0	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.508			PCB-73	4.86	-		
PCB-24	11.8	-			PCB-74	106	-		
PCB-25	48.3	-			PCB-75	-	-	C048	48
PCB-26	80.5	-			PCB-76	-	-	C066	66
PCB-27	11.7	-			PCB-77	53.2	-		
PCB-28	414	-			PCB-78	ND	0.930		
PCB-29	3.56	-			PCB-79	8.34	-		
PCB-30	ND	0.653			PCB-80	ND	0.534		
PCB-31	336	-			PCB-81	13.7	-		
PCB-32	90.7	-			PCB-82	112	-		
PCB-33	-	-	C020	20/21	PCB-83	49.2	-	C	112
PCB-34	4.08	-			PCB-84	432	-	C	92
PCB-35	ND	0.569			PCB-85	144	-	C	116
PCB-36	ND	0.539			PCB-86	ND	0.712		
PCB-37	125	-			PCB-87	372	-	C	117/125
PCB-38	2.18	-			PCB-88	136	-	C	91
PCB-39	ND	0.531			PCB-89	9.76	-		
PCB-40	66.6	-			PCB-90	862	-	C	101
PCB-41	370	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	172	-	C	59	PCB-92	-	-	C084	84
PCB-43	515	-	C	49	PCB-93	ND	0.581		
PCB-44	509	-			PCB-94	3.81	-		
PCB-45	68.6	-			PCB-95	168	-		
PCB-46	27.5	-			PCB-96	6.17	-		
PCB-47	211	-			PCB-97	336	-		
PCB-48	81.6	-	C	75	PCB-98	ND	0.601	C	102
PCB-49	-	-	C043	43	PCB-99	412	-		
PCB-50	2.39	-			PCB-100	5.88	-		

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EPA Method 1668
PCBs

FAL ID: 13559-006-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.00 g
% Solids: 78.90

ICal: DAILY209FAL4-2-3-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-03-2021

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	337	-		
PCB-102	-	-	C098	98	PCB-152	1.42	-	J	
PCB-103	15.3	-			PCB-153	1360	-		
PCB-104	ND	0.416			PCB-154	20.9	-		
PCB-105	334	-			PCB-155	ND	0.342		
PCB-106	882	-	C	118	PCB-156	121	-		
PCB-107	72.1	-	C	108	PCB-157	25.9	-		
PCB-108	-	-	C107	107	PCB-158	158	-	C	160
PCB-109	ND	0.500			PCB-159	12.4	-		
PCB-110	1040	-			PCB-160	-	-	C158	158
PCB-111	19.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.568			PCB-163	-	-	C138	138/164
PCB-114	20.1	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.86	-		
PCB-117	-	-	C087	87/125	PCB-167	35.0	-		
PCB-118	-	-	C	106	PCB-168	3.31	-		
PCB-119	27.3	-			PCB-169	ND	0.448		
PCB-120	ND	0.459			PCB-170	310	-		
PCB-121	ND	0.448			PCB-171	91.2	-		
PCB-122	11.6	-			PCB-172	56.9	-		
PCB-123	15.8	-			PCB-173	7.47	-		
PCB-124	37.1	-			PCB-174	278	-		
PCB-125	-	-	C087	87/117	PCB-175	15.5	-		
PCB-126	4.13	-			PCB-176	46.5	-		
PCB-127	ND	0.883			PCB-177	99.6	-		
PCB-128	229	-	C	162	PCB-178	65.7	-		
PCB-129	65.5	-			PCB-179	134	-		
PCB-130	97.9	-			PCB-180	724	-		
PCB-131	53.4	-	C	133	PCB-181	ND	0.732		
PCB-132	407	-	C	161	PCB-182	388	-	C	187
PCB-133	-	-	C131	131	PCB-183	192	-		
PCB-134	89.5	-	C	143	PCB-184	ND	0.532		
PCB-135	198	-			PCB-185	37.2	-		
PCB-136	161	-			PCB-186	ND	0.536		
PCB-137	75.7	-			PCB-187	-	-	C182	182
PCB-138	1500	-	C	163/164	PCB-188	ND	0.598		
PCB-139	1090	-	C	149	PCB-189	12.1	-		
PCB-140	10.0	-			PCB-190	64.1	-		
PCB-141	264	-			PCB-191	13.9	-		
PCB-142	ND	0.861			PCB-192	ND	0.591		
PCB-143	-	-	C134	134	PCB-193	37.1	-		
PCB-144	63.1	-			PCB-194	169	-		
PCB-145	ND	0.362			PCB-195	69.8	-		
PCB-146	222	-	C	165	PCB-196	211	-	C	203
PCB-147	30.4	-			PCB-197	7.64	-		
PCB-148	ND	0.481			PCB-198	11.6	-		
PCB-149	-	-	C139	139	PCB-199	173	-		
PCB-150	2.90	-			PCB-200	25.3	-		

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EPA Method 1668
PCBs

FAL ID: 13559-006-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-CORE
Matrix: Sediment
Batch No: X5602

Date Extracted: 01-27-2021
Date Received: 01-26-2021
Amount: 10.00 g
% Solids: 78.90

ICal: DAILY209FAL4-2-3-21
GC Column: DB1MS
Units: pg/g

Acquired: 02-03-2021

Compound	Conc	DL	Qual	Coeluters
PCB-201	26.4	-		
PCB-202	37.2	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.579		
PCB-205	10.2	-		
PCB-206	64.9	-		
PCB-207	8.99	-		
PCB-208	16.2	-		
PCB-209	25.3	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	86.7	5.00 - 145	
13C-PCB-3	90.6	5.00 - 145	
13C-PCB-4	89.0	5.00 - 145	
13C-PCB-15	14.2	5.00 - 145	
13C-PCB-19	87.8	5.00 - 145	
13C-PCB-37	107	5.00 - 145	
13C-PCB-54	87.6	5.00 - 145	
13C-PCB-77	128	10.0 - 145	
13C-PCB-81	127	10.0 - 145	
13C-PCB-104	93.9	10.0 - 145	
13C-PCB-105	95.8	10.0 - 145	
13C-PCB-114	94.1	10.0 - 145	
13C-PCB-118	88.2	10.0 - 145	
13C-PCB-123	92.4	10.0 - 145	
13C-PCB-126	92.7	10.0 - 145	
13C-PCB-155	109	10.0 - 145	
13C-PCB-156	91.8	10.0 - 145	
13C-PCB-157	91.4	10.0 - 145	
13C-PCB-167	16.5	10.0 - 145	
13C-PCB-169	92.2	10.0 - 145	
13C-PCB-188	88.0	10.0 - 145	
13C-PCB-189	91.3	10.0 - 145	
13C-PCB-202	86.4	10.0 - 145	
13C-PCB-205	98.0	10.0 - 145	
13C-PCB-206	88.5	10.0 - 145	
13C-PCB-208	88.6	10.0 - 145	
13C-PCB-209	85.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	97.3	5.00 - 145	
13C-PCB-111	113	10.0 - 145	
13C-PCB-178	84.1	10.0 - 145	

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

Analyst: _____

Date: 2/4/2021

Reviewed By: _____

Date: 2/4/2021

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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.: 13559

Temperature: 0 °C w/custody seal

Chain of Custody

www.frontieranalytical.com

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

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

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

☐ California State Drinking Water Form

System #: Source #:

Sampler: Employer:

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

**TEQ: ☐ 1998 WHO ☐ 2005 WHO ☐ Other

	Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
1	LDW-Y3-LBS-SU-ENR-A-CORE	1/22/21	1025	sediment	1								✓			
2	LDW-Y3-LBS-SU-ENR-B-CORE	1/22/21	1150	sediment	1								✓			
3	LDW-Y3-LBS-SU-ENR-C-CORE	1/22/21	1040	sediment	1								✓			
4	LDW-Y3-LBS-SU-ENR+AC-A-CORE	1/22/21	1055	sediment	1								✓			
5	LDW-Y3-LBS-SU-ENR+AC-B-CORE	1/22/21	1115	sediment	1								✓			
6	LDW-Y3-LBS-SU-ENR+AC-C-CORE	1/22/21	1130	sediment	1								✓			
7																
8																
9																
10																
11																
12																
13																
14																
15																

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

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Gretchen Heavner / Gretchen Heavner	1/22/21	1200	M. Knowlen Michelle Knowlen	1/22/21	1200
M. Knowlen / Michelle Knowlen	1/25/21	1200	Kristy Zipp K. Zipp	1/26/2021	1020

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

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

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13559**

Client:	Floyd | Snider
Client Project ID:	LY15160310
Date Received:	01/26/2021
Time Received:	10:20 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	6
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	Fed-Ex
Tracking Number:	772719291315
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Blue Ice/Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	No
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

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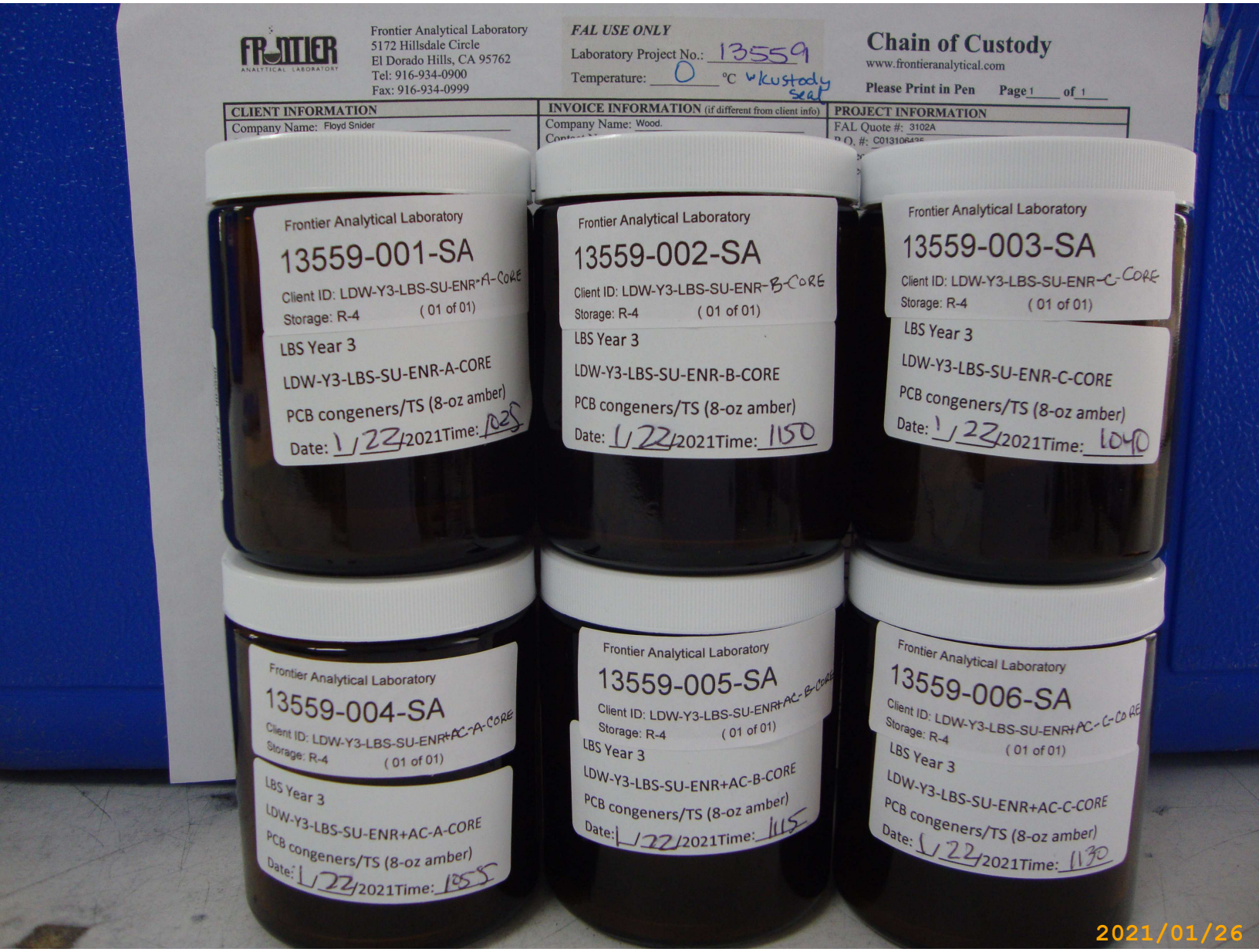

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PROJECT REQUEST SHEET

Project #:	13559	Sample #:	1 - 6	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	01/24/2022
Matrix:	Sediment	Extraction Batch:	5602	Due Date:	02/10/2021
Method:	EPA 1668 PCB			Storage:	R-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13559

Extract/s located in box: Mr. Dragon

Standards: 13559

Instrument:

DB5MS	
007-225	
DB1MS	FAL-1
Other	

L4 Data + FSI EDD

Frontier Analytical Laboratory
Percent Solids

FAL Project: 13559

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)
13559-001-0001-SA	KC	1·26·21	12:30pm	4.85g	3.81g	78.56%	12.73g	108.5°C	110.2°C	1·28·21	7:50AM	0.81g
13559-002-0001-SA	↓	↓	↓	2.52g	2.04g	80.95%	12.35g	↓	↓	↓	↓	0.81g
13559-003-0001-SA	↓	↓	↓	5.01g	4.18g	83.43%	11.99g	↓	↓	↓	↓	0.81g
13559-004-0001-SA	↓	↓	↓	3.50g	2.57g	73.43%	13.62g	↓	↓	↓	↓	0.79g
13559-005-0001-SA	↓	↓	↓	3.58g	2.67g	74.58%	13.41g	↓	↓	↓	↓	0.80g
13559-006-0001-SA	↓	↓	↓	5.45g	4.30g	78.90%	12.67g	↓	↓	↓	↓	0.79g

% Solids Summary:

Non-Filtered Determination

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

Filtered Determination

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

% Solids calculation

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

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

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13559 Extraction Date: 2021-01-27 Extraction Chemist: KC

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R201021A Vial: 4 Chemist/Witness/Date	NS Amt: 10.0uL ID: 210108A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 201028A Vial: 2 Chemist/Witness/Date
05602-001-0001-MB	(10.00g)	(10.00g)	KC NA 1-27-21	NA	KC NA 1-28-21
05602-001-0001-OPR	(10.00g)	(10.00g)		KC NA 1-27-21	
13559-001-0001-SA	13.05g	10.25g		NA	
13559-002-0001-SA	10.89g	8.82g			
13559-003-0001-SA	12.25g	10.22g			
13559-004-0001-SA	13.60g	9.99g			
13559-005-0001-SA	13.55g	10.11g			
13559-006-0001-SA	12.68g	10.00g			

AX-21 Charcoal Cleaned	091619	Acetone	60066	Acid Alumina	A0403185	Hexane	201569
Methanol	202389	Methylene Chloride (DCM)	205415	Silica Gel	TA5100534	Sodium Hydroxide 1N	193250
Sodium Sulfate	2020030385	Sulfuric Acid	201263	Tetradecane	200273	Toluene	201434
Water	203950	C-18 Empore Discs	31518	Cyclohexane	59137		

Comments:

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13559

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: 210108B Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05602-001-0001-MB	KC 1·28·21	NA	NA	KC NA 1·28·21
05602-001-0001-OPR	↓	↓	↓	↓
13559-001-0001-SA	↓	↓	↓	↓
13559-002-0001-SA	↓	↓	↓	↓
13559-003-0001-SA	↓	↓	↓	↓
13559-004-0001-SA	↓	↓	↓	↓
13559-005-0001-SA	↓	↓	↓	↓
13559-006-0001-SA	↓	↓	↓	↓

AX-21 Charcoal Cleaned	091619	Acetone	60066	Acid Alumina	A0403185	Hexane	201569
Methanol	202389	Methylene Chloride (DCM)	205415	Silica Gel	TA5100534	Sodium Hydroxide 1N	193250
Sodium Sulfate	2020030385	Sulfuric Acid	201263	Tetradecane	200273	Toluene	201434
Water	203950	C-18 Empore Discs	31518	Cyclohexane	59137		

Comments:

FAL ID: 05602-001-0001-MB Filename: 01FEB21Z Sam:3 Acquired: 1-FEB-21 09:31:45 ICal: DAILY209FAL4-2-1-21
Client ID: Method Blank ConCal: ST02012121 EndCal: ST02012122
Results: 01FEB21Z GC Column: DB1MS Amount: 10.00

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec
PCB-1	*	*	n	NotFnd	1.24	*		2650	1820	0.351	
13C-PCB-1	7.55e+07	3.13	y	14:30	0.86	961					96.1
PCB-2	*	*	n	NotFnd	1.26	*		2650	1820	0.407	
PCB-3	*	*	n	NotFnd	1.26	*		2650	1820	0.473	
13C-PCB-3	7.00e+07	3.20	y	16:57	0.84	907					90.7
PCB-4	*	*	n	NotFnd	1.16	*		651	3540	0.528	
PCB-10	*	*	n	NotFnd	1.57	*		651	3540	0.415	
13C-PCB-4	5.71e+07	1.60	y	18:11	0.67	932					93.2
PCB-9	*	*	n	NotFnd	1.54	*		651	3540	0.423	
PCB-7	*	*	n	NotFnd	1.55	*		651	3540	0.420	
PCB-6	*	*	n	NotFnd	1.50	*		651	3540	0.434	
PCB-8	*	*	n	NotFnd	1.52	*		651	3540	0.430	
PCB-5	*	*	n	NotFnd	1.52	*		651	3540	0.429	
PCB-14	*	*	n	NotFnd	1.47	*		651	3540	0.444	
PCB-11	*	*	n	NotFnd	1.41	*		1610	6860	0.932	
PCB-13	*	*	n	NotFnd	1.42	*		651	3540	0.457	
PCB-12	*	*	n	NotFnd	1.45	*		651	3540	0.448	
PCB-15	*	*	n	NotFnd	1.29	*		651	3540	0.529	
13C-PCB-15	7.91e+07	1.60	y	23:44	1.01	856					85.6
PCB-19	*	*	n	NotFnd	1.25	*		3090	692	0.640	
PCB-30	*	*	n	NotFnd	1.84	*		3090	692	0.436	
PCB-18	*	*	n	NotFnd	1.26	*		3090	692	0.636	
PCB-17	*	*	n	NotFnd	1.40	*		3090	692	0.574	
PCB-27	*	*	n	NotFnd	1.80	*		3090	692	0.445	
PCB-24	*	*	n	NotFnd	1.84	*		3090	692	0.437	
PCB-16	*	*	n	NotFnd	1.55	*		3090	692	0.518	
PCB-32	*	*	n	NotFnd	1.57	*		3090	692	0.511	
13C-PCB-19	4.14e+07	1.07	y	22:04	0.49	921					92.1
13C-PCB-9	9.15e+07	1.60	y	19:51	-	4.47					
PCB-34	*	*	n	NotFnd	1.23	*		2130	1000	0.710	
PCB-23	*	*	n	NotFnd	1.54	*		2130	1000	0.568	
PCB-29	*	*	n	NotFnd	1.38	*		2130	1000	0.635	
PCB-26	*	*	n	NotFnd	1.33	*		2130	1000	0.660	
PCB-25	*	*	n	NotFnd	1.30	*		2130	1000	0.675	
PCB-31	*	*	n	NotFnd	1.33	*		2130	1000	0.659	
PCB-28	*	*	n	NotFnd	1.61	*		2130	1000	0.543	
PCB-20	*	*	n	NotFnd	1.33	*		2130	1000	0.655	Co-elute PCB 21/33
PCB-21	*	*	n	NotFnd	1.33	*		2130	1000	0.655	Co-elute PCB 20/33
PCB-33	*	*	n	NotFnd	1.33	*		2130	1000	0.655	Co-elute PCB 20/21
PCB-22	*	*	n	NotFnd	1.46	*		2130	1000	0.600	
PCB-36	*	*	n	NotFnd	1.33	*		2130	1000	0.657	
PCB-39	*	*	n	NotFnd	1.33	*		2130	1000	0.660	
PCB-38	*	*	n	NotFnd	1.43	*		2130	1000	0.612	
PCB-35	*	*	n	NotFnd	1.29	*		2130	1000	0.680	
PCB-37	*	*	n	NotFnd	1.35	*		2130	1000	0.650	
13C-PCB-37	5.86e+07	1.06	y	30:25	1.62	845					84.5

PCB-54	*	*	n	NotFnd	1.32	*	1200	1500	0.344	
PCB-50	*	*	n	NotFnd	1.02	*	1200	1500	0.444	
PCB-53	*	*	n	NotFnd	0.99	*	1200	1500	0.459	
PCB-51	*	*	n	NotFnd	1.02	*	1200	1500	0.445	
PCB-45	*	*	n	NotFnd	0.86	*	1200	1500	0.526	
PCB-46	*	*	n	NotFnd	0.83	*	1200	1500	0.549	
PCB-52	*	*	n	NotFnd	1.08	*	1200	1500	0.422	Co-elute PCB 69
PCB-69	*	*	n	NotFnd	1.08	*	1200	1500	0.422	Co-elute PCB 52
PCB-73	*	*	n	NotFnd	1.22	*	1200	1500	0.370	
PCB-43	*	*	n	NotFnd	0.91	*	1200	1500	0.501	Co-elute PCB 49
PCB-49	*	*	n	NotFnd	0.91	*	1200	1500	0.501	Co-elute PCB 43
PCB-47	*	*	n	NotFnd	0.92	*	1200	1500	0.492	
PCB-48	*	*	n	NotFnd	1.20	*	1200	1500	0.376	Co-elute PCB 75
PCB-75	*	*	n	NotFnd	1.20	*	1200	1500	0.376	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*	1200	1500	0.369	
PCB-62	*	*	n	NotFnd	1.22	*	1200	1500	0.373	
PCB-44	*	*	n	NotFnd	0.80	*	1200	1500	0.565	
PCB-42	*	*	n	NotFnd	1.06	*	1200	1500	0.426	Co-elute PCB 59
PCB-59	*	*	n	NotFnd	1.06	*	1200	1500	0.426	Co-elute PCB 42
PCB-72	*	*	n	NotFnd	1.20	*	1200	1500	0.378	Co-elute PCB 41/71/64
PCB-41	*	*	n	NotFnd	1.20	*	1200	1500	0.378	Co-elute PCB 72/71/64
PCB-71	*	*	n	NotFnd	1.20	*	1200	1500	0.378	Co-elute PCB 72/41/64
PCB-64	*	*	n	NotFnd	1.20	*	1200	1500	0.378	Co-elute PCB 72/41/71
PCB-68	*	*	n	NotFnd	1.36	*	1200	1500	0.334	
PCB-40	*	*	n	NotFnd	0.77	*	1200	1500	0.592	
PCB-57	*	*	n	NotFnd	1.25	*	1200	1500	0.363	
PCB-67	*	*	n	NotFnd	1.29	*	1200	1500	0.352	
PCB-58	*	*	n	NotFnd	1.26	*	1200	1500	0.361	
PCB-63	*	*	n	NotFnd	1.31	*	1200	1500	0.347	
PCB-74	*	*	n	NotFnd	1.29	*	1200	1500	0.352	
PCB-61	*	*	n	NotFnd	1.17	*	1200	1500	0.387	Co-elute PCB 70
PCB-70	*	*	n	NotFnd	1.17	*	1200	1500	0.387	Co-elute PCB 61
PCB-76	*	*	n	NotFnd	1.36	*	1200	1500	0.333	Co-elute PCB 66
PCB-66	*	*	n	NotFnd	1.36	*	1200	1500	0.333	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*	1200	1500	0.297	
PCB-55	*	*	n	NotFnd	1.37	*	1200	1500	0.331	
13C-PCB-54	5.37e+07	0.81	y	25:36	1.25	1000				100
PCB-104	*	*	n	NotFnd	1.16	*	968	980	0.386	
PCB-96	*	*	n	NotFnd	1.13	*	968	980	0.398	
PCB-103	*	*	n	NotFnd	0.93	*	968	980	0.482	
PCB-100	*	*	n	NotFnd	0.95	*	968	980	0.475	
PCB-94	*	*	n	NotFnd	0.78	*	968	980	0.581	
PCB-98	*	*	n	NotFnd	0.88	*	968	980	0.509	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*	968	980	0.509	Co-elute PCB 98
PCB-95	*	*	n	NotFnd	0.80	*	968	980	0.560	
PCB-93	*	*	n	NotFnd	0.76	*	968	980	0.596	
PCB-88	*	*	n	NotFnd	0.90	*	968	980	0.502	Co-elute PCB 91
PCB-91	*	*	n	NotFnd	0.90	*	968	980	0.502	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*	968	980	0.415	
13C-PCB-104	4.61e+07	1.57	y	30:02	1.08	1000				100
13C-PCB-28	7.77e+07	1.06	y	26:42	1.93	943				94.3
13C-PCB-52	4.27e+07	0.79	y	28:57	-	4.04				

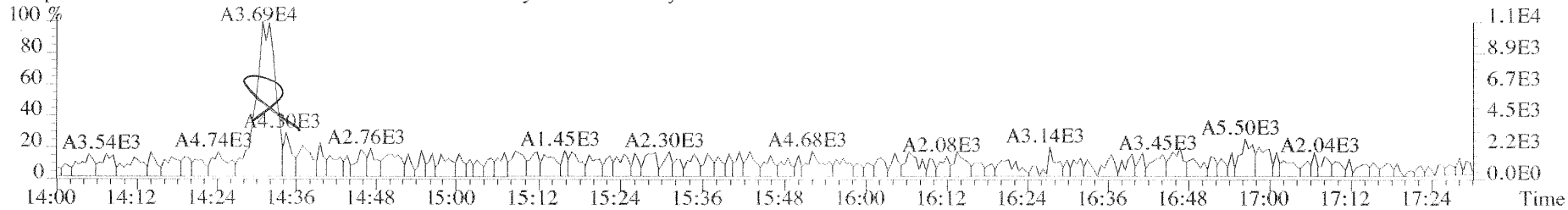
PCB-56	*	*	n	NotFnd	1.23	*	707	1140	0.478	Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.23	*	707	1140	0.478	Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.29	*	707	1140	0.455	
PCB-78	*	*	n	NotFnd	1.27	*	707	1140	0.464	
PCB-81	*	*	n	NotFnd	1.38	*	707	1140	0.408	
13C-PCB-81	4.93e+07	0.80	y	36:11	1.60	846				84.6
PCB-77	*	*	n	NotFnd	1.18	*	707	1140	0.522	
13C-PCB-77	5.15e+07	0.81	y	36:45	1.65	855				85.5
PCB-155	*	*	n	NotFnd	1.08	*	1180	1120	0.466	
PCB-150	*	*	n	NotFnd	1.06	*	1180	1120	0.476	
PCB-152	*	*	n	NotFnd	1.05	*	1180	1120	0.481	
PCB-145	*	*	n	NotFnd	1.06	*	1180	1120	0.478	
PCB-136	*	*	n	NotFnd	1.09	*	1180	1120	0.464	
PCB-148	*	*	n	NotFnd	0.76	*	1180	1120	0.663	
PCB-154	*	*	n	NotFnd	0.92	*	1180	1120	0.550	
13C-PCB-155	4.87e+07	1.30	y	34:12	1.30	1020				102
13C-PCB-111	4.10e+07	1.57	y	36:18	1.25	898				89.8
13C-PCB-101	3.65e+07	1.60	y	34:40	-	3.70				
PCB-84	*	*	n	NotFnd	0.71	*	987	830	0.686	Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.71	*	987	830	0.686	Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.71	*	987	830	0.688	
PCB-90	*	*	n	NotFnd	0.82	*	987	830	0.598	Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.82	*	987	830	0.598	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*	987	830	0.523	
PCB-99	*	*	n	NotFnd	0.87	*	987	830	0.560	
PCB-119	*	*	n	NotFnd	1.02	*	987	830	0.478	
PCB-83	*	*	n	NotFnd	0.83	*	987	830	0.586	Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.83	*	987	830	0.586	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*	987	830	0.487	
PCB-97	*	*	n	NotFnd	0.68	*	987	830	0.714	
PCB-86	*	*	n	NotFnd	0.78	*	987	830	0.626	
PCB-125	*	*	n	NotFnd	0.91	*	987	830	0.536	Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.91	*	987	830	0.536	Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.91	*	987	830	0.536	Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	1.06	*	987	830	0.462	Co-elute PCB 115
PCB-115	*	*	n	NotFnd	1.06	*	987	830	0.462	Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.90	*	987	830	0.544	Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.90	*	987	830	0.544	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*	987	830	0.460	
PCB-110	*	*	n	NotFnd	1.08	*	987	830	0.453	
PCB-82	*	*	n	NotFnd	0.63	*	987	830	0.776	
PCB-124	*	*	n	NotFnd	1.23	*	1070	1050	0.465	
PCB-108	*	*	n	NotFnd	1.29	*	1070	1050	0.441	Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.29	*	1070	1050	0.441	Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.17	*	1070	1050	0.461	
13C-PCB-123	4.45e+07	1.56	y	38:21	1.35	900				90.0
PCB-118	*	*	n	NotFnd	1.22	*	1070	1050	0.458	Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.22	*	1070	1050	0.458	Co-elute PCB 118
13C-PCB-118	5.33e+07	1.61	y	38:31	1.49	979				97.9
PCB-114	*	*	n	NotFnd	1.22	*	1070	1050	0.458	
13C-PCB-114	4.96e+07	1.61	y	39:09	1.43	950				95.0
PCB-122	*	*	n	NotFnd	1.33	*	1070	1050	0.429	
PCB-105	*	*	n	NotFnd	1.29	*	1070	1050	0.484	
13C-PCB-105	4.69e+07	1.60	y	39:58	1.42	907				90.7

PCB-127	*	*	n	NotFnd	1.18	*	1070	1050	0.484	
PCB-126	*	*	n	NotFnd	1.25	*	1070	1050	0.690	
13C-PCB-126	4.30e+07	1.64	y	42:07	1.29	909				90.9
PCB-151	*	*	n	NotFnd	1.00	*	870	848	0.607	
PCB-135	*	*	n	NotFnd	1.05	*	870	848	0.576	
PCB-144	*	*	n	NotFnd	1.02	*	870	848	0.591	
PCB-147	*	*	n	NotFnd	1.10	*	870	848	0.548	
PCB-139	*	*	n	NotFnd	1.10	*	870	848	0.549	Co-elute PCB 149
PCB-149	*	*	n	NotFnd	1.10	*	870	848	0.549	Co-elute PCB 139
PCB-140	*	*	n	NotFnd	1.08	*	870	848	0.559	
PCB-143	*	*	n	NotFnd	0.90	*	870	848	0.669	Co-elute PCB 134
PCB-134	*	*	n	NotFnd	0.90	*	870	848	0.669	Co-elute PCB 143
PCB-131	*	*	n	NotFnd	0.90	*	870	848	0.670	Co-elute PCB 133
PCB-133	*	*	n	NotFnd	0.90	*	870	848	0.670	Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.92	*	870	848	0.659	
PCB-165	*	*	n	NotFnd	1.20	*	870	848	0.505	Co-elute PCB 146
PCB-146	*	*	n	NotFnd	1.20	*	870	848	0.505	Co-elute PCB 165
PCB-161	*	*	n	NotFnd	1.14	*	870	848	0.532	Co-elute PCB 132
PCB-132	*	*	n	NotFnd	1.14	*	870	848	0.532	Co-elute PCB 161
PCB-153	*	*	n	NotFnd	1.21	*	870	848	0.501	
PCB-168	*	*	n	NotFnd	1.33	*	870	848	0.455	
PCB-141	*	*	n	NotFnd	1.01	*	870	848	0.597	
PCB-137	*	*	n	NotFnd	0.96	*	870	848	0.629	
PCB-130	*	*	n	NotFnd	0.95	*	870	848	0.639	
PCB-138	*	*	n	NotFnd	1.21	*	870	848	0.501	Co-elute PCB 163/164
PCB-163	*	*	n	NotFnd	1.21	*	870	848	0.501	Co-elute PCB 138/164
PCB-164	*	*	n	NotFnd	1.21	*	870	848	0.501	Co-elute PCB 138/163
PCB-158	*	*	n	NotFnd	1.34	*	870	848	0.450	Co-elute PCB 160
PCB-160	*	*	n	NotFnd	1.34	*	870	848	0.450	Co-elute PCB 158
PCB-129	*	*	n	NotFnd	0.89	*	870	848	0.681	
PCB-166	*	*	n	NotFnd	1.31	*	870	848	0.461	
PCB-159	*	*	n	NotFnd	1.38	*	870	848	0.438	
PCB-128	*	*	n	NotFnd	1.13	*	870	848	0.534	Co-elute PCB 162
PCB-162	*	*	n	NotFnd	1.13	*	870	848	0.534	Co-elute PCB 128
PCB-167	*	*	n	NotFnd	1.24	*	870	848	0.466	
13C-PCB-167	3.94e+07	1.29	y	43:27	1.16	931				93.1
PCB-156	*	*	n	NotFnd	1.29	*	870	848	0.470	
13C-PCB-156	3.70e+07	1.30	y	44:41	1.12	906				90.6
PCB-157	*	*	n	NotFnd	1.24	*	870	848	0.480	
13C-PCB-157	4.05e+07	1.30	y	44:56	1.15	958				95.8
PCB-169	*	*	n	NotFnd	1.17	*	870	848	0.549	
13C-PCB-169	3.60e+07	1.28	y	46:50	1.08	908				90.8

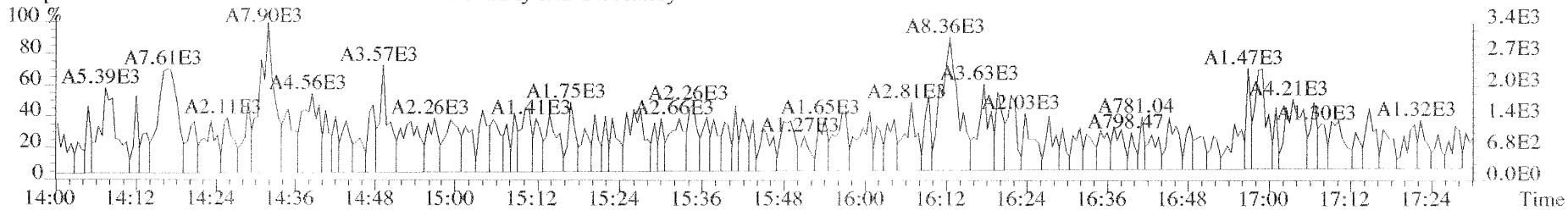
PCB-188	*	*	n	NotFnd	1.12	*	984	804	0.417	
13C-PCB-188	4.27e+07	1.05	y	39:43	1.17	1000				100
PCB-184	*	*	n	NotFnd	1.25	*	984	804	0.392	
PCB-179	*	*	n	NotFnd	1.18	*	984	804	0.414	
PCB-176	*	*	n	NotFnd	1.16	*	984	804	0.425	
PCB-186	*	*	n	NotFnd	1.17	*	984	804	0.418	
PCB-178	*	*	n	NotFnd	0.84	*	984	804	0.584	
PCB-175	*	*	n	NotFnd	0.86	*	984	804	0.570	
PCB-187	*	*	n	NotFnd	0.95	*	984	804	0.515	Co-elute PCB 182
PCB-182	*	*	n	NotFnd	0.95	*	984	804	0.515	Co-elute PCB 187
PCB-183	*	*	n	NotFnd	0.94	*	984	804	0.523	
PCB-185	*	*	n	NotFnd	0.86	*	984	804	0.571	
PCB-174	*	*	n	NotFnd	0.86	*	984	804	0.567	
PCB-181	*	*	n	NotFnd	0.87	*	984	804	0.566	
PCB-177	*	*	n	NotFnd	0.80	*	984	804	0.613	
PCB-171	*	*	n	NotFnd	0.84	*	984	804	0.581	
PCB-173	*	*	n	NotFnd	0.77	*	984	804	0.638	
PCB-172	*	*	n	NotFnd	0.80	*	984	804	0.614	
PCB-192	*	*	n	NotFnd	1.06	*	984	804	0.464	
PCB-180	*	*	n	NotFnd	0.82	*	984	804	0.595	
PCB-193	*	*	n	NotFnd	1.13	*	984	804	0.433	
PCB-191	*	*	n	NotFnd	1.09	*	984	804	0.448	
PCB-170	*	*	n	NotFnd	0.78	*	984	804	0.628	
PCB-190	*	*	n	NotFnd	1.05	*	984	804	0.465	
PCB-189	*	*	n	NotFnd	1.08	*	984	804	0.477	
13C-PCB-189	3.50e+07	1.06	y	48:28	1.00	958				95.8
PCB-202	*	*	n	NotFnd	1.09	*	712	981	0.495	
PCB-201	*	*	n	NotFnd	1.15	*	712	981	0.469	
PCB-204	*	*	n	NotFnd	1.16	*	712	981	0.466	
PCB-197	*	*	n	NotFnd	1.18	*	712	981	0.455	
PCB-200	*	*	n	NotFnd	1.18	*	712	981	0.458	
PCB-198	*	*	n	NotFnd	0.84	*	712	981	0.641	
PCB-199	*	*	n	NotFnd	0.82	*	712	981	0.658	
PCB-203	*	*	n	NotFnd	0.90	*	712	981	0.599	Co-elute PCB 196
PCB-196	*	*	n	NotFnd	0.90	*	712	981	0.599	Co-elute PCB 203
13C-PCB-202	3.54e+07	0.91	y	44:50	0.98	992				99.2
13C-PCB-178	2.98e+07	1.06	y	42:21	0.83	981				98.1
13C-PCB-138	3.66e+07	1.26	y	41:35	-	3.54				
PCB-195	*	*	n	NotFnd	0.97	*	1480	1800	0.704	
PCB-194	*	*	n	NotFnd	1.00	*	1480	1800	0.684	
PCB-205	*	*	n	NotFnd	1.22	*	1480	1800	0.563	
13C-PCB-205	4.09e+07	0.89	y	50:07	1.28	943				94.3
PCB-208	*	*	n	NotFnd	1.13	*	812	949	0.295	
13C-PCB-208	4.04e+07	0.80	y	49:11	1.23	972				97.2
PCB-207	*	*	n	NotFnd	1.32	*	812	949	0.316	
PCB-206	*	*	n	NotFnd	1.15	*	812	949	0.465	
13C-PCB-206	2.88e+07	0.80	y	51:19	0.89	963				96.3
PCB-209	*	*	n	NotFnd	1.20	*	740	756	0.285	
13C-PCB-209	3.49e+07	1.18	y	52:30	1.03	1010				101
13C-PCB-194	3.38e+07	0.91	y	49:52	-	3.79				

Analyst: _____ Date: 2/2/21

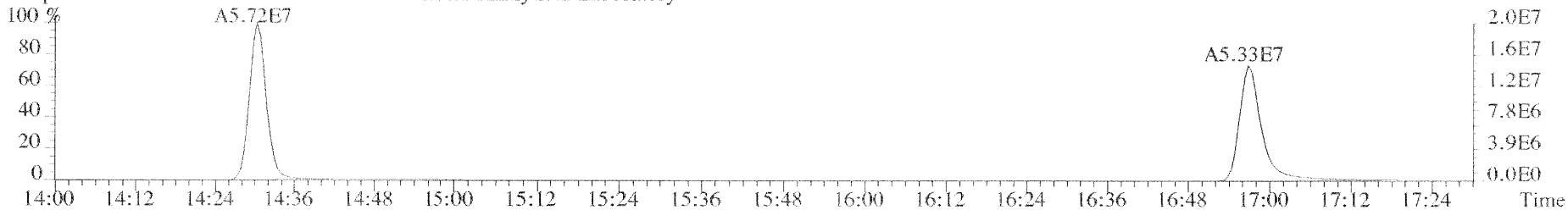
File:01FEB21Z #1-783 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



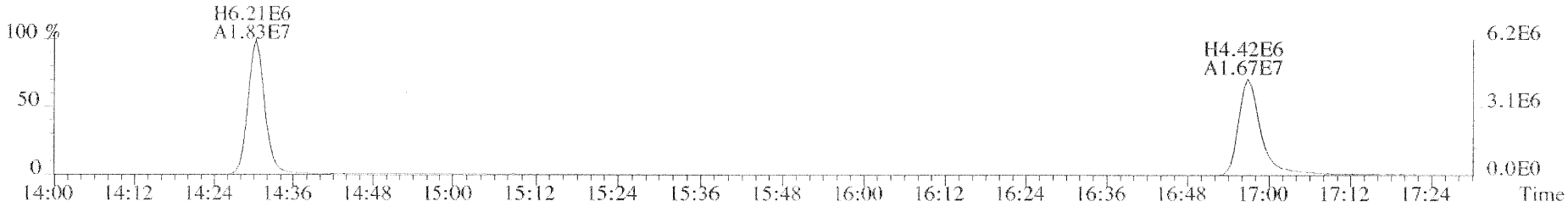
File:01FEB21Z #1-783 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



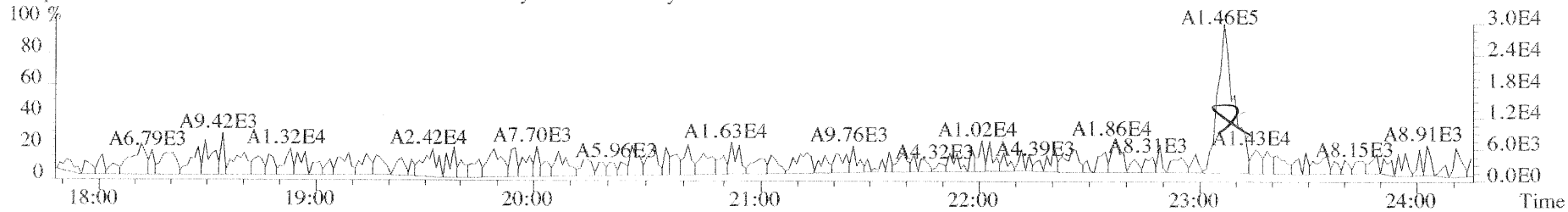
File:01FEB21Z #1-783 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



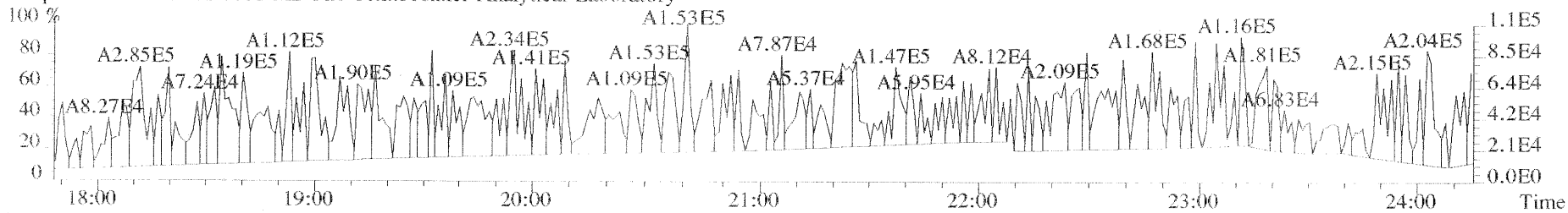
File:01FEB21Z #1-783 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



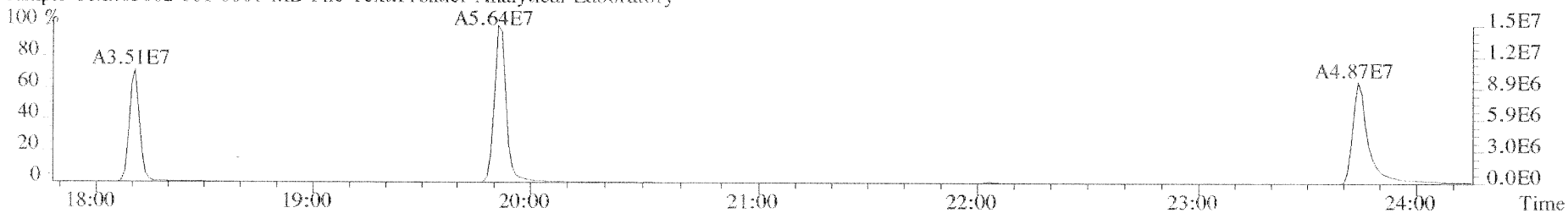
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



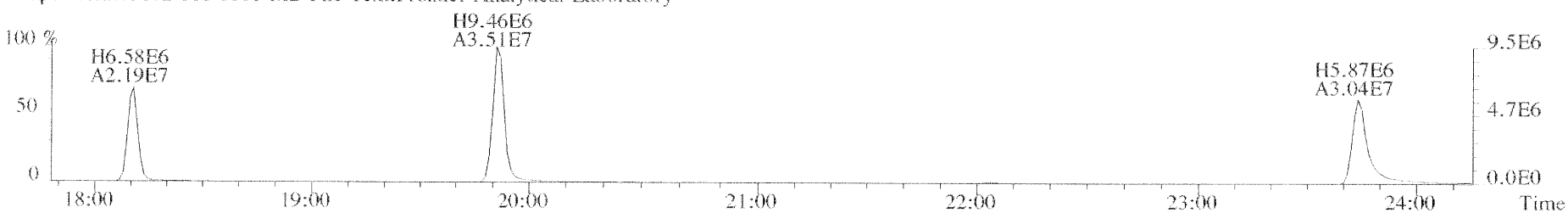
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



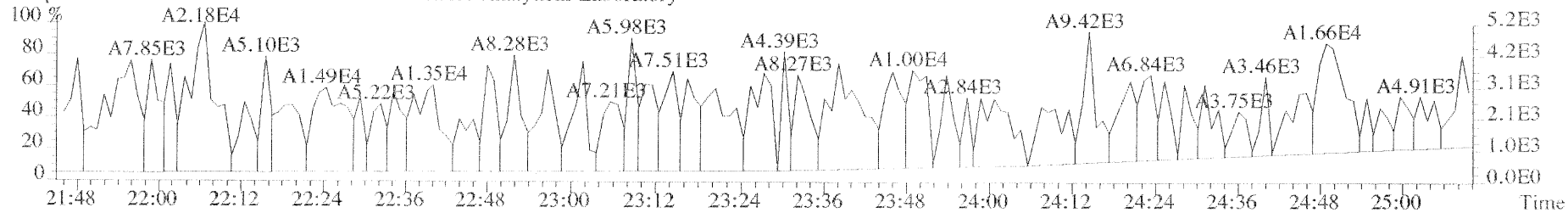
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



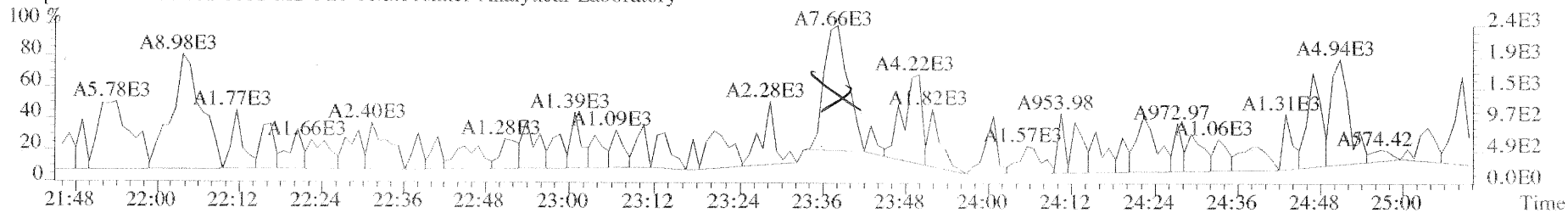
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



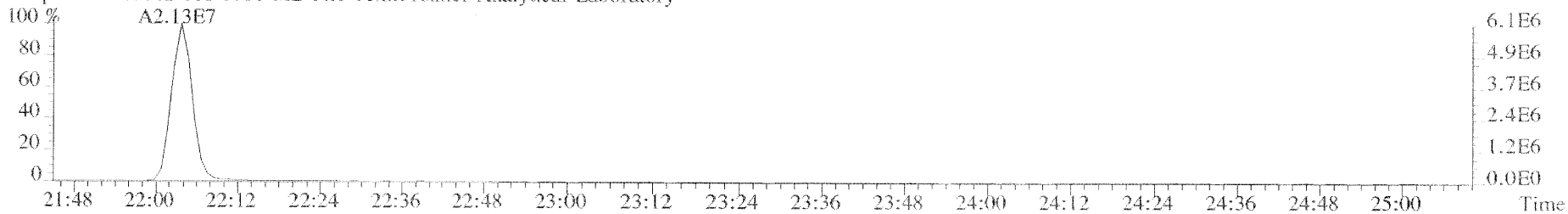
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



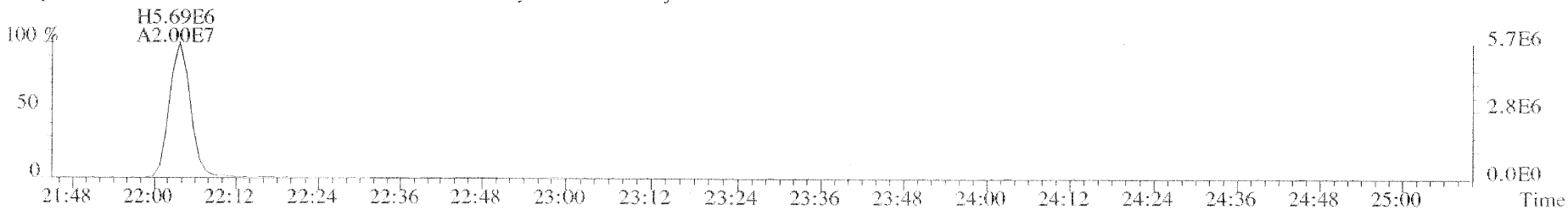
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



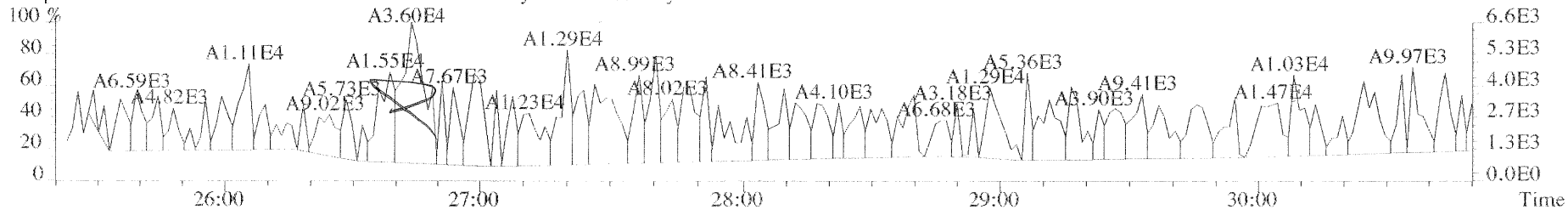
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



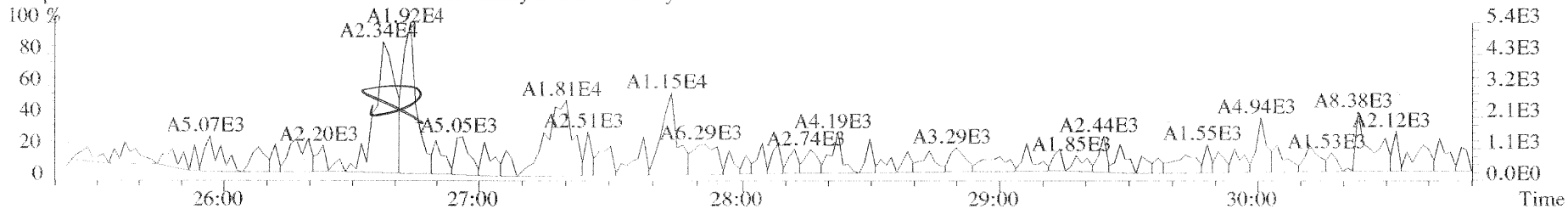
File:01FEB21Z #1-467 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



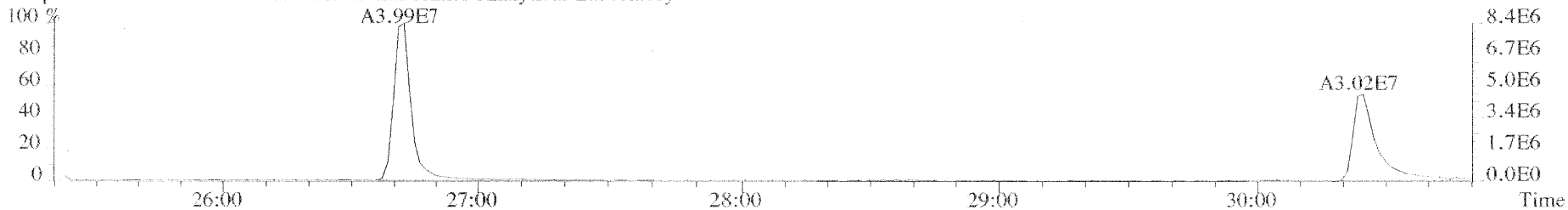
File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



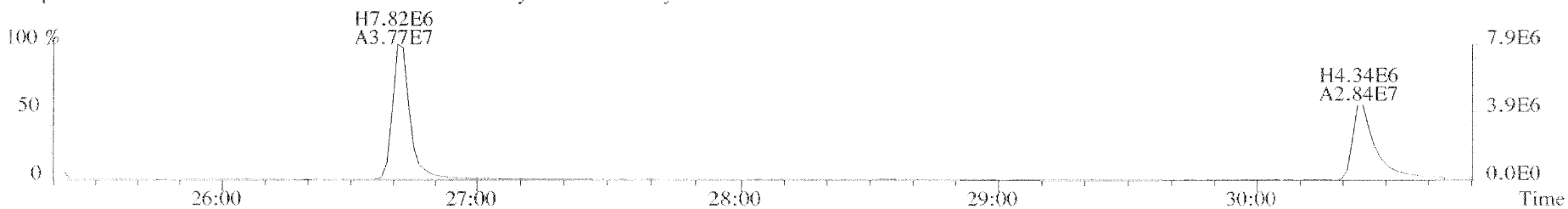
File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



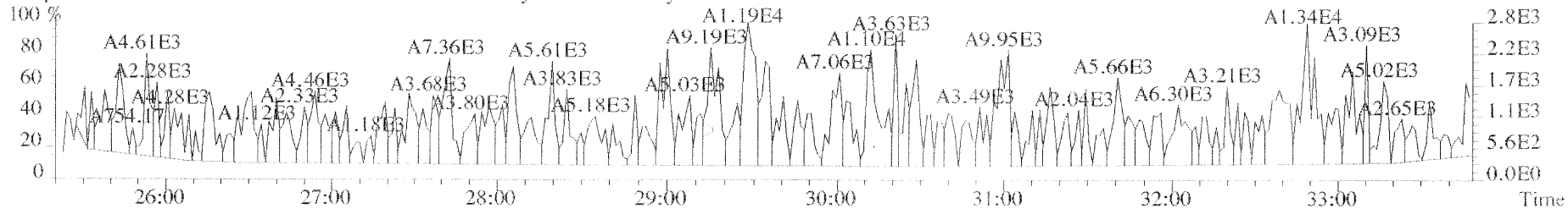
File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



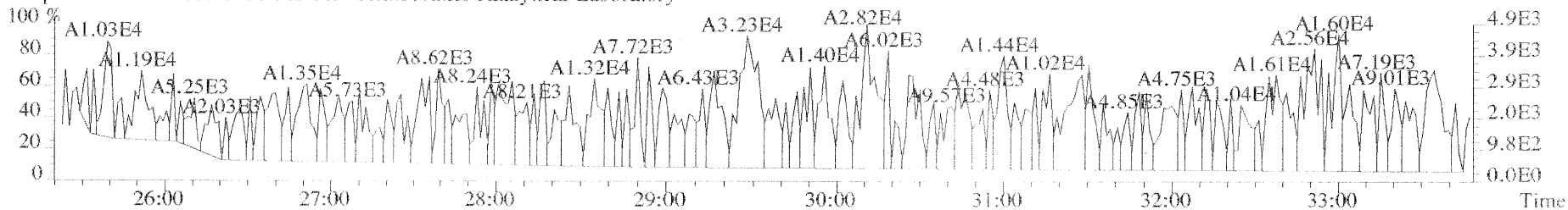
File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 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:05602-001-0001-MB File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 09:31:45 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:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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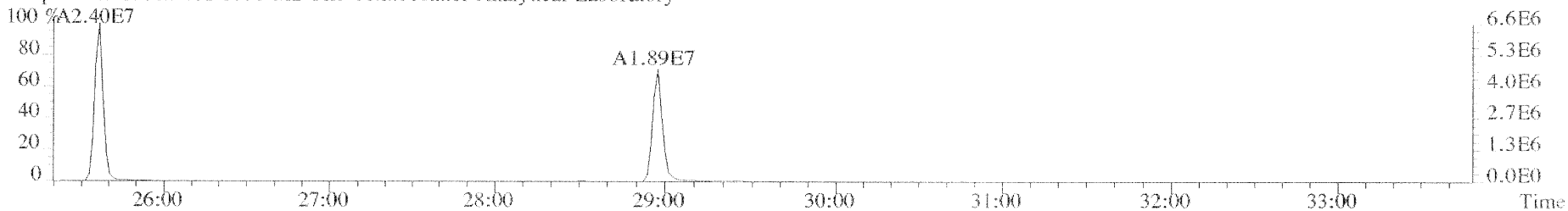
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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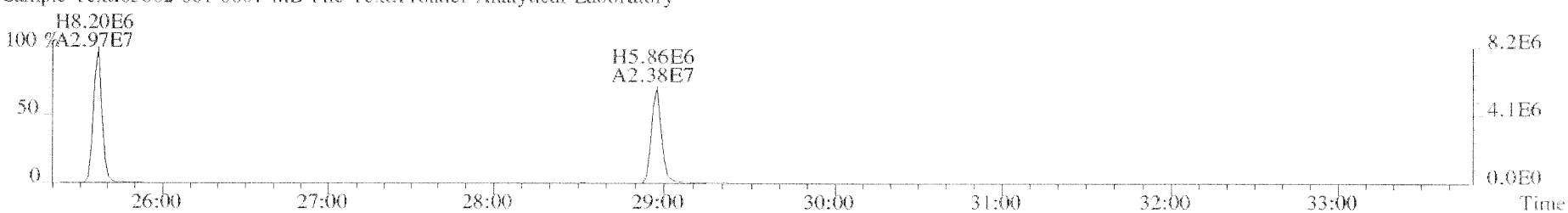

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325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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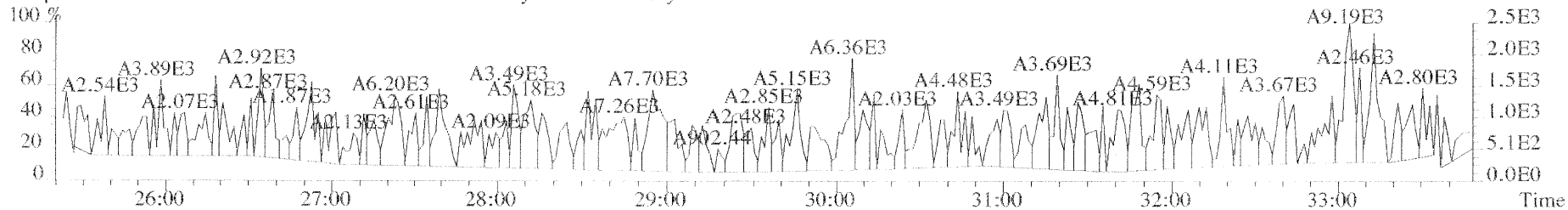

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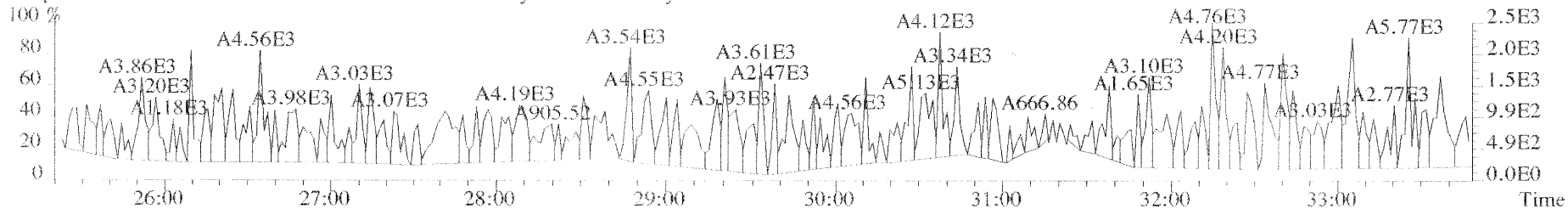

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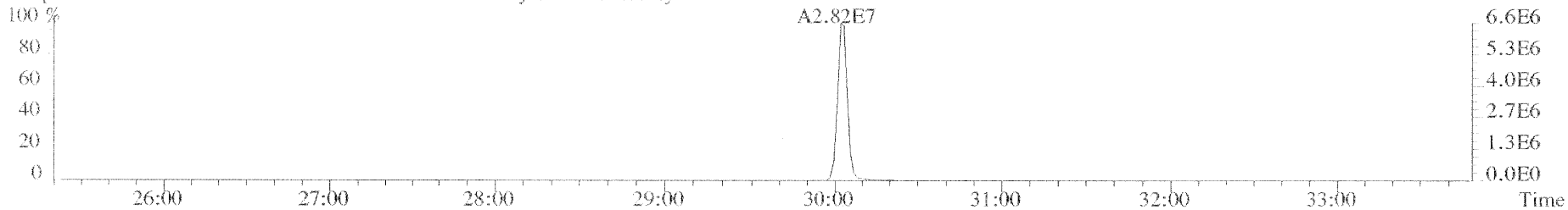

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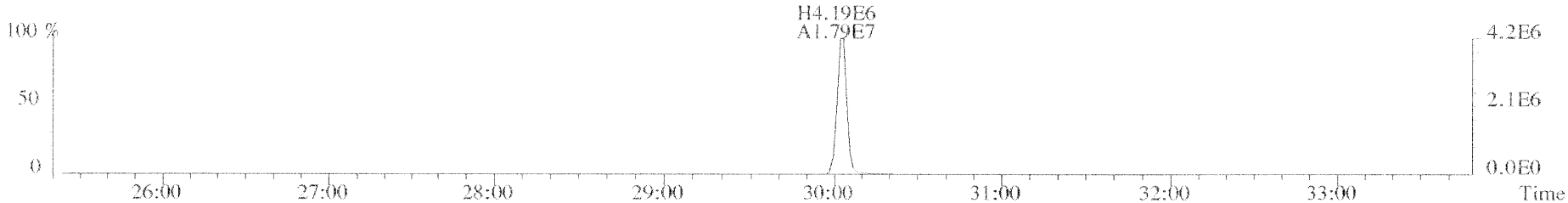

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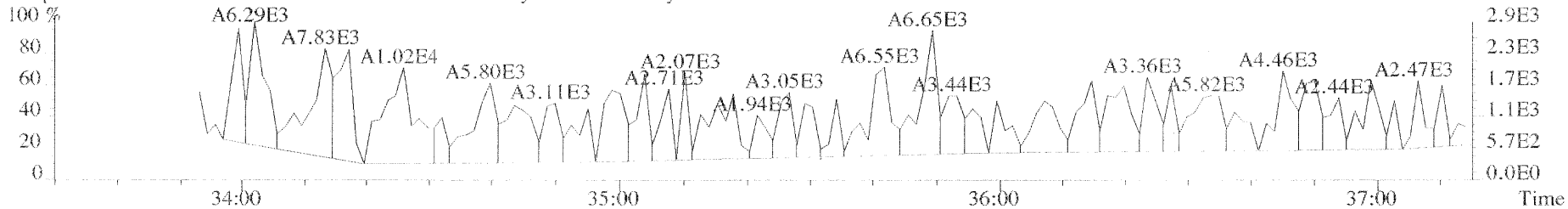

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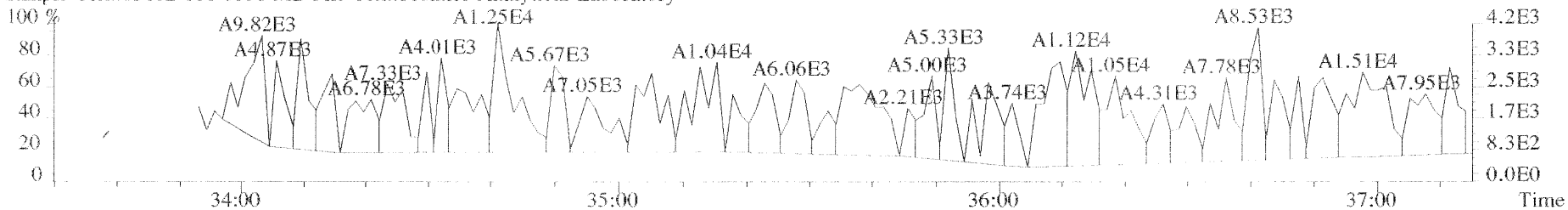

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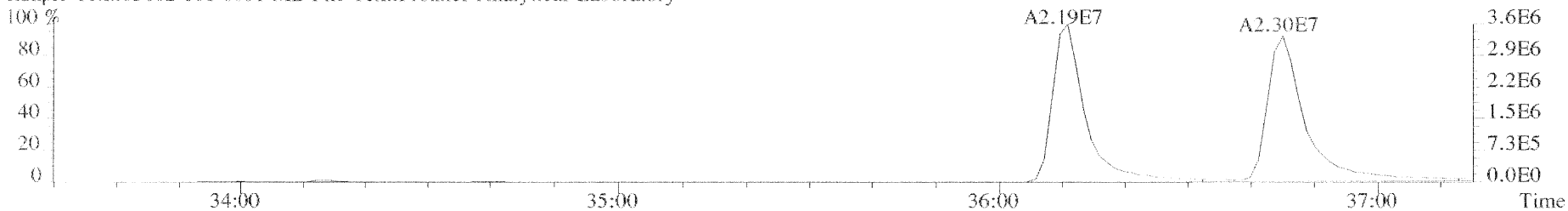

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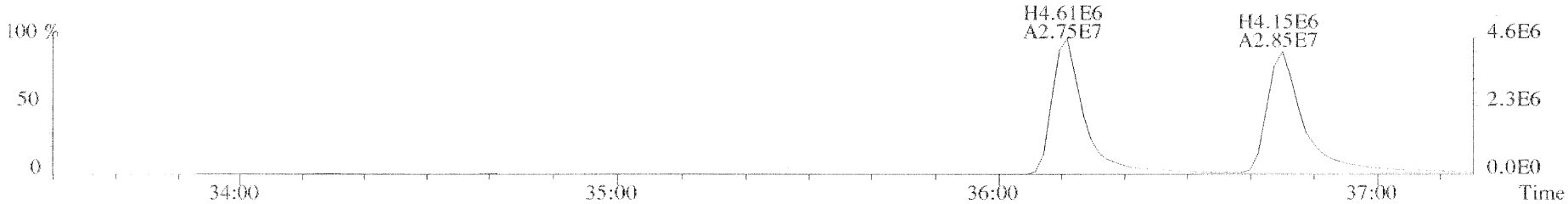
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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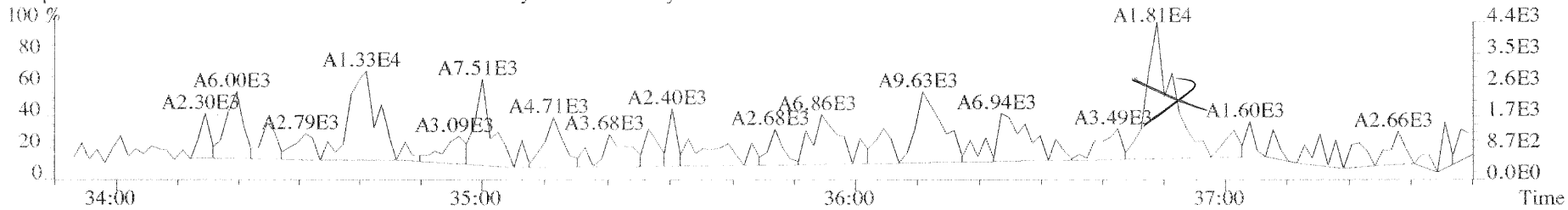
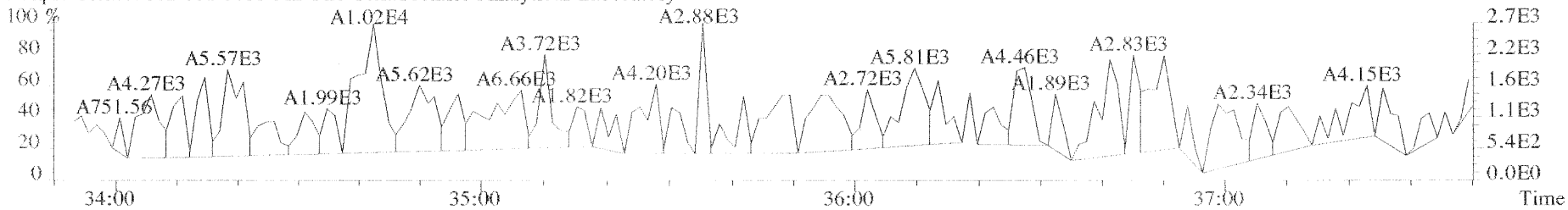


File:01FEB21Z #1-181 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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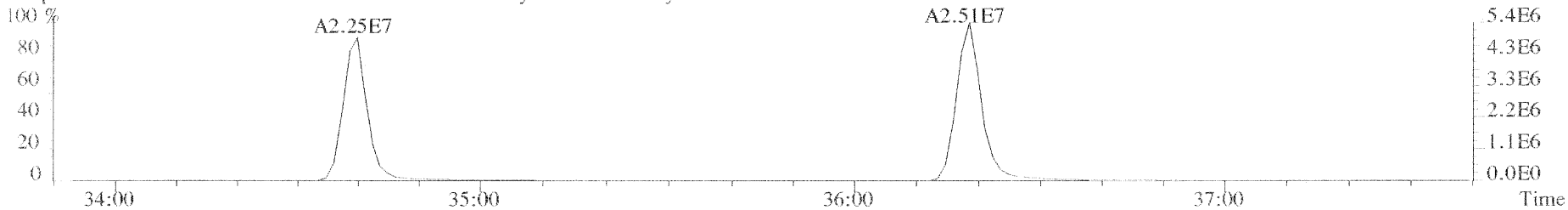

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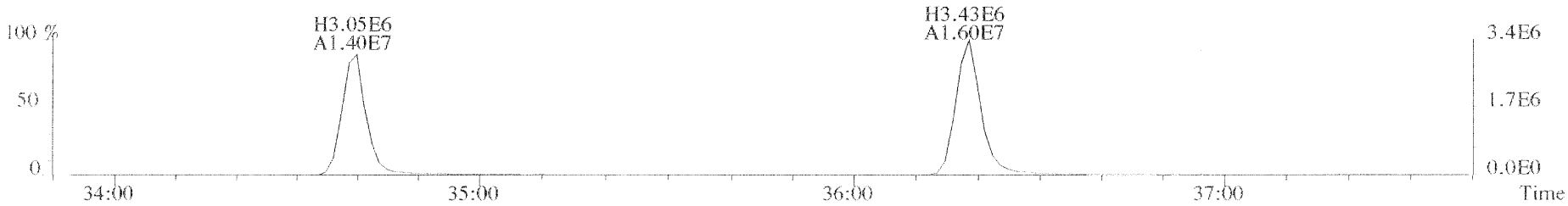

File:01FEB21Z #1-181 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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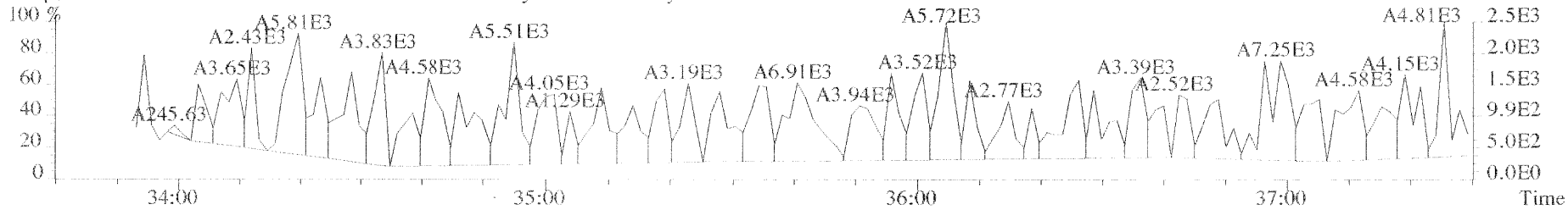

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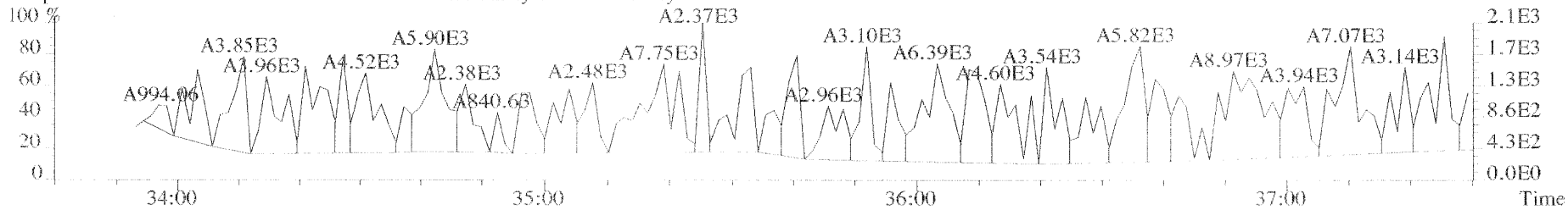
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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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
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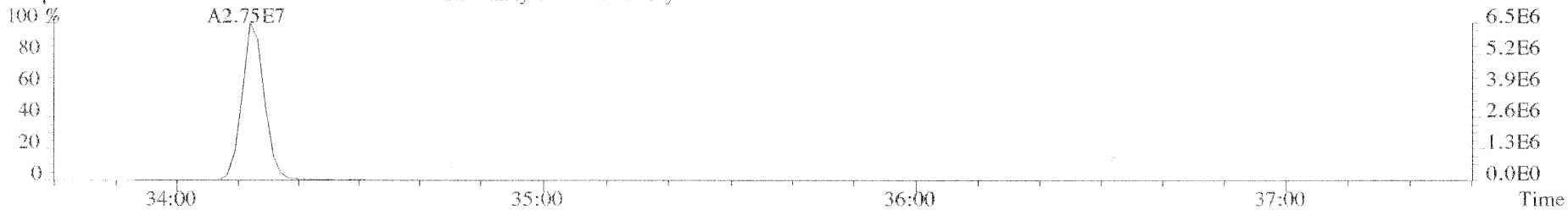

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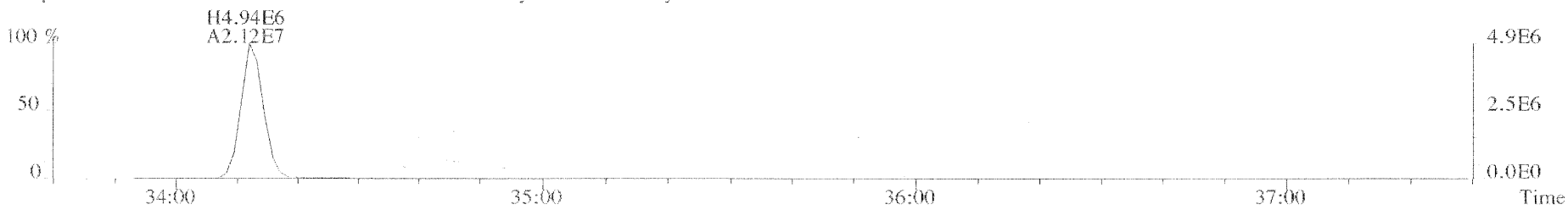
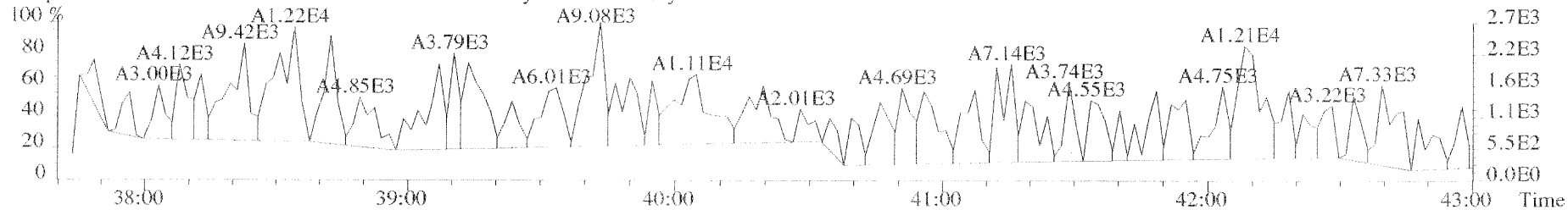
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 09:31:45 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:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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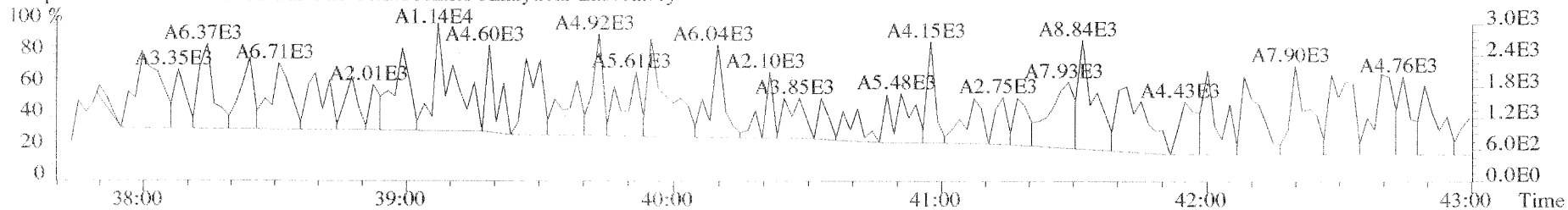

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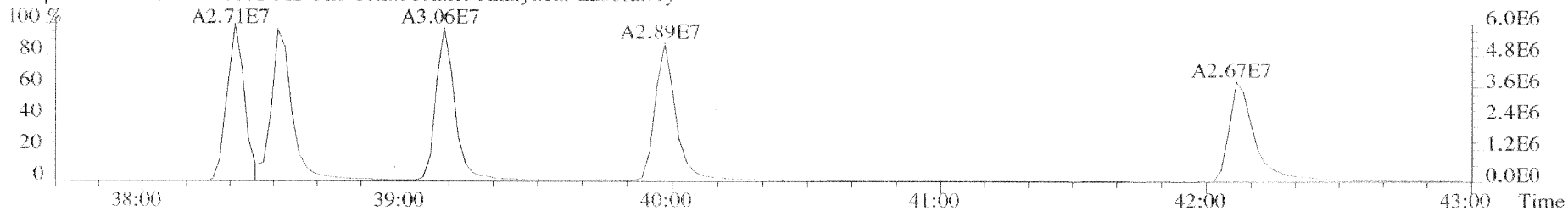

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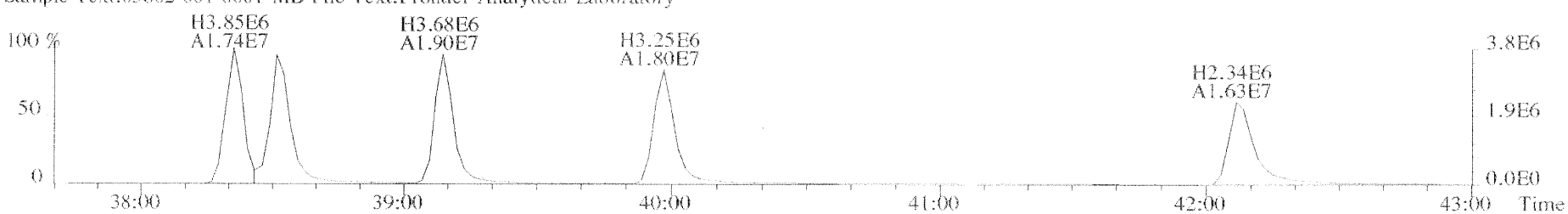

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359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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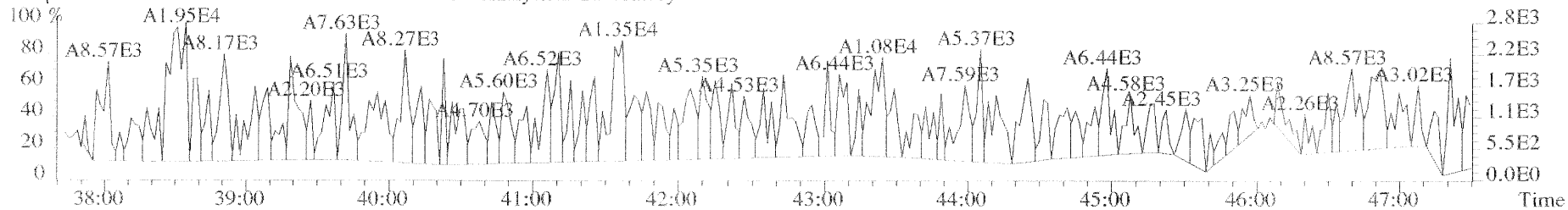

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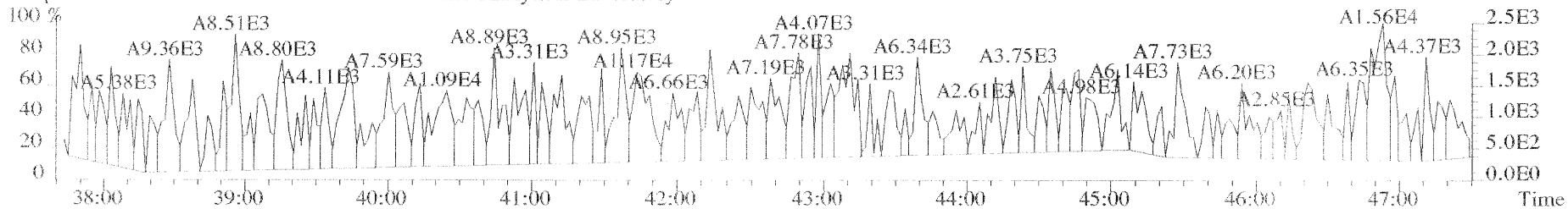
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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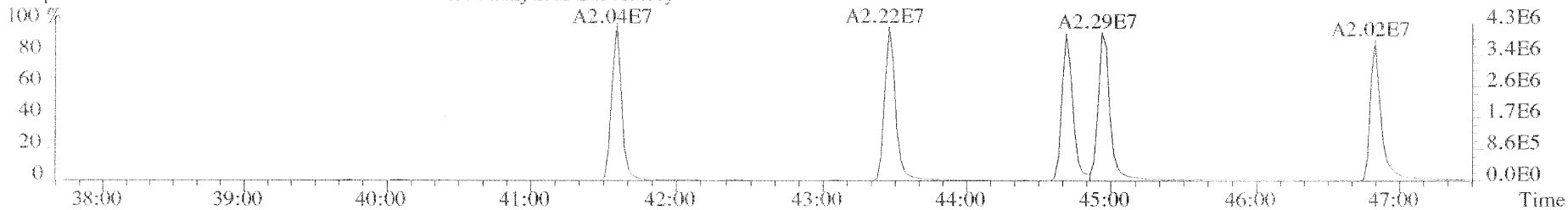
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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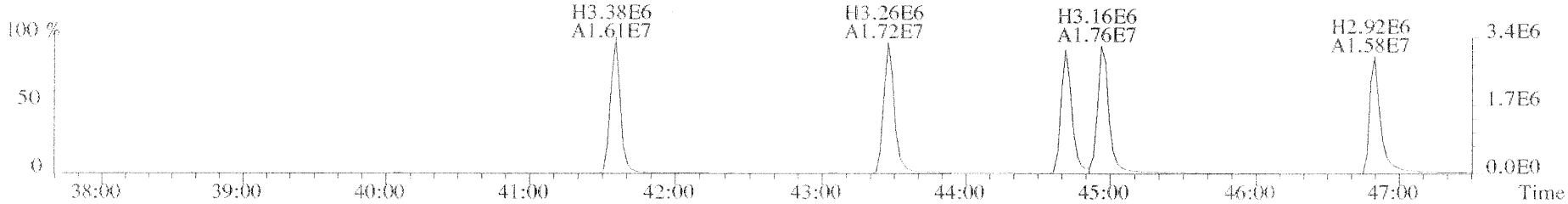

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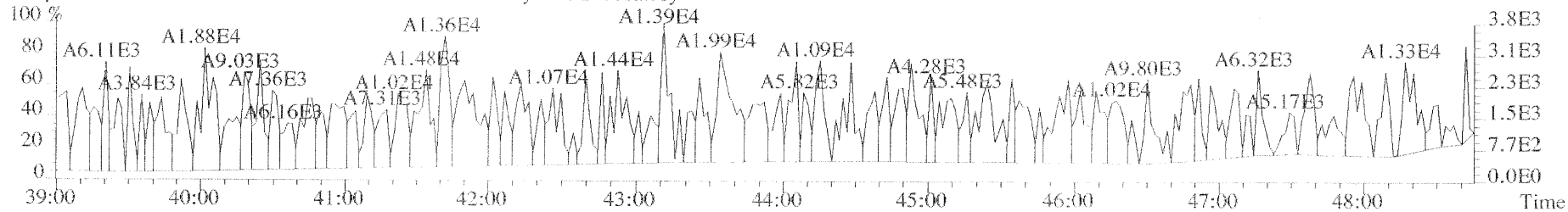
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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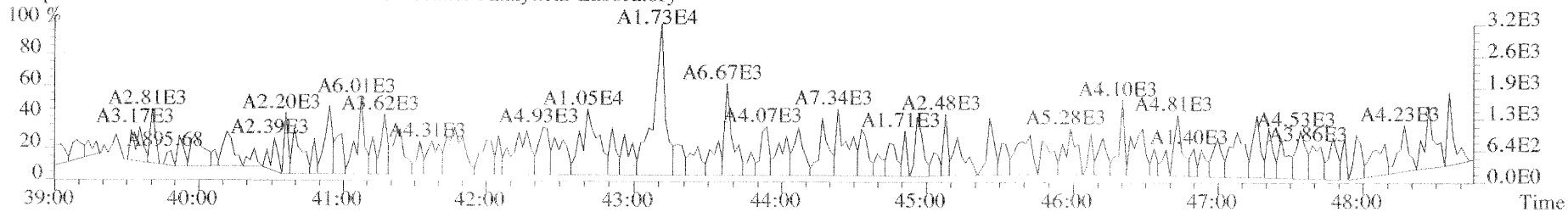
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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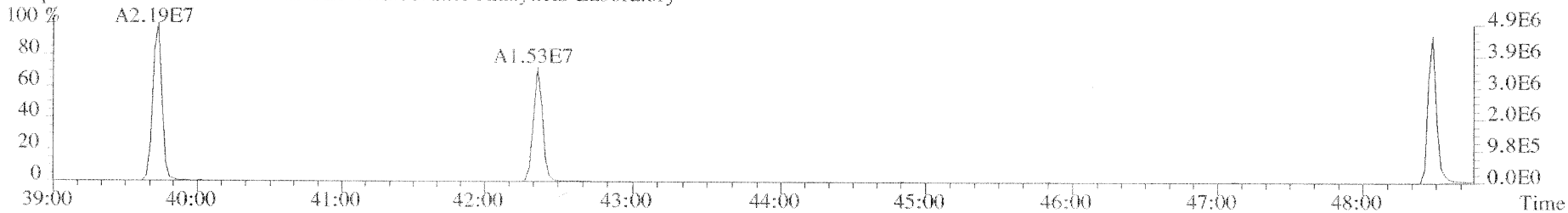
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



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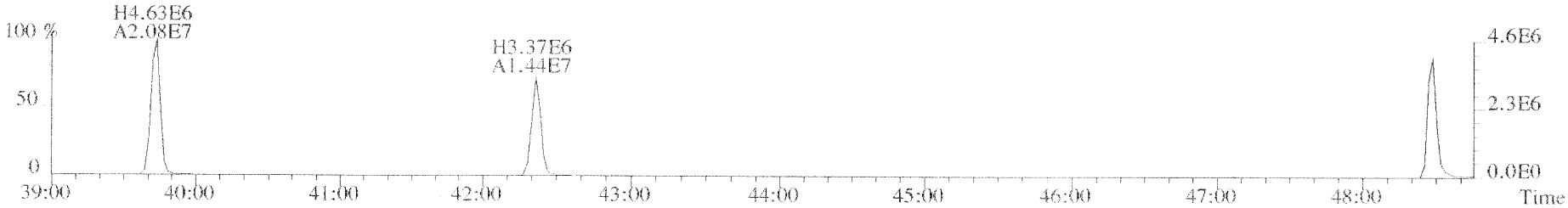

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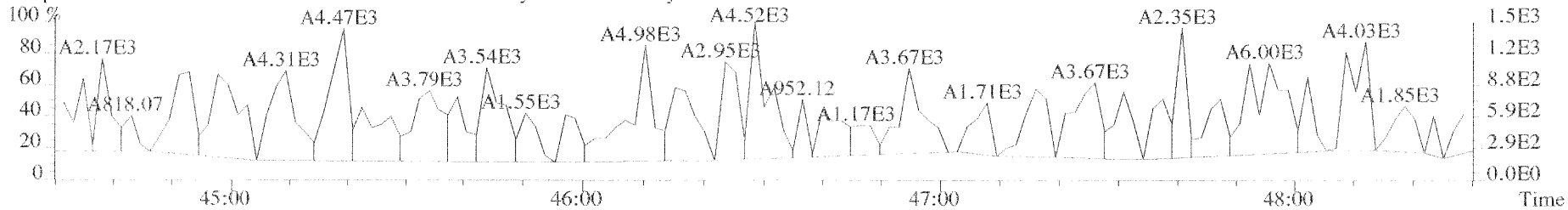

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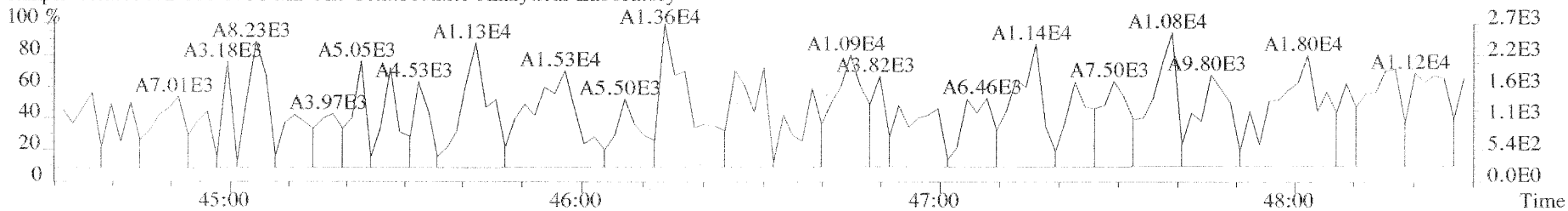
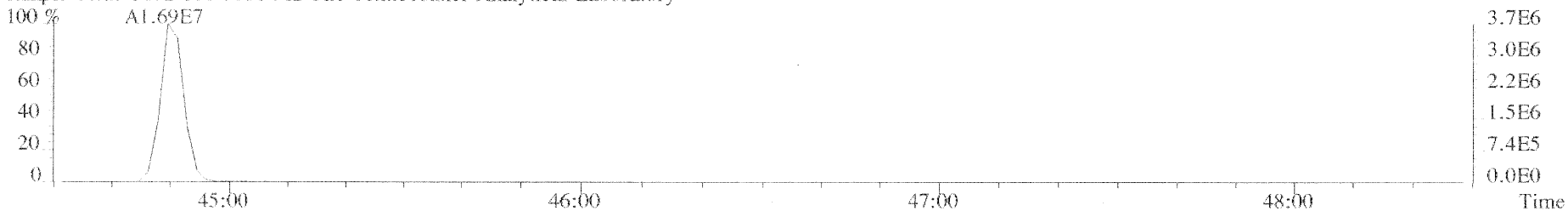
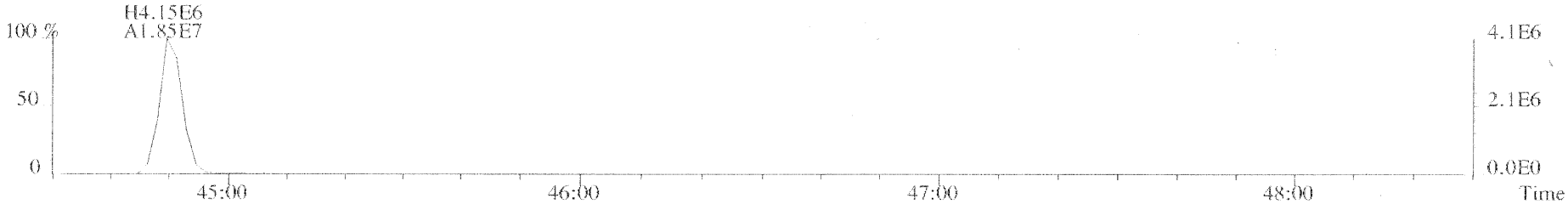
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



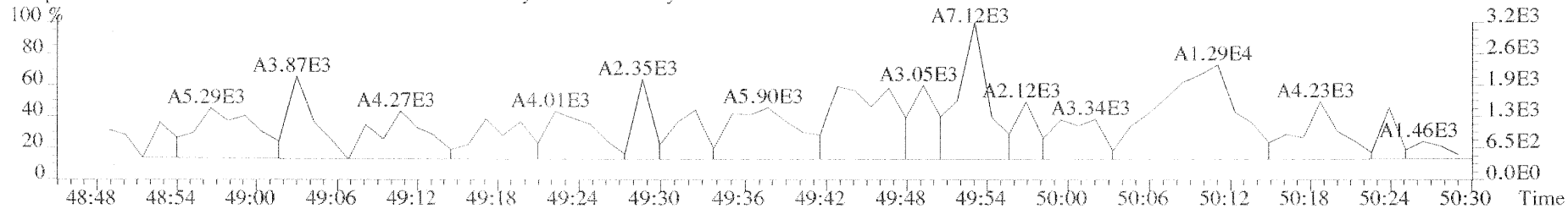
File:01FEB21Z #1-404 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



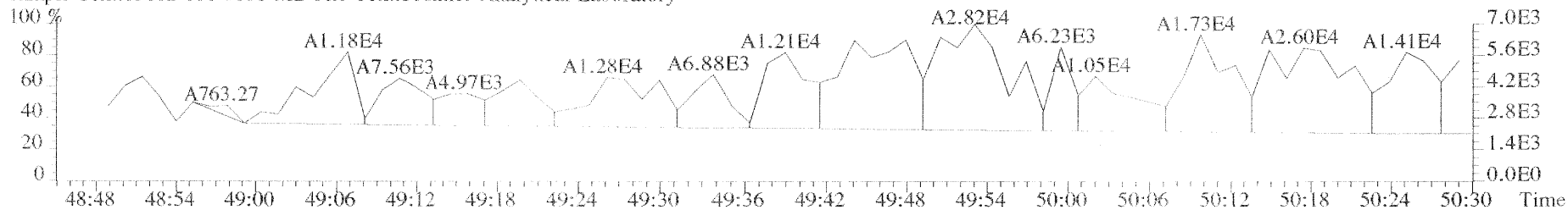
File:01FEB21Z #1-404 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



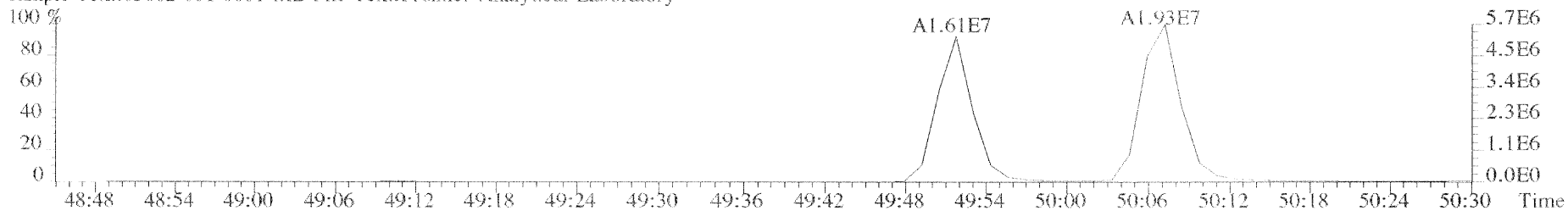
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



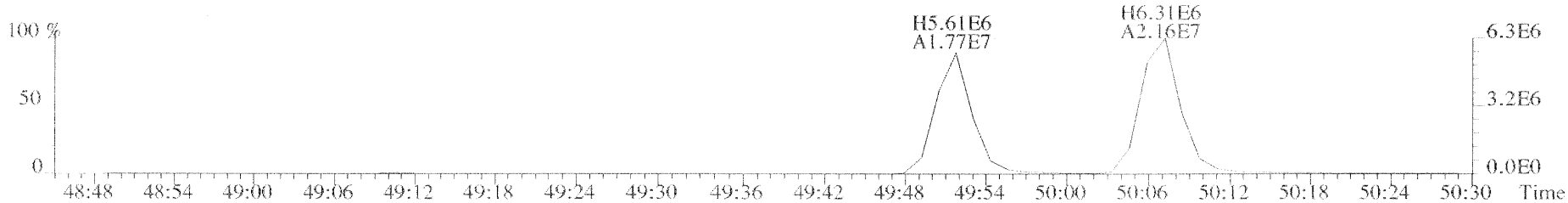
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



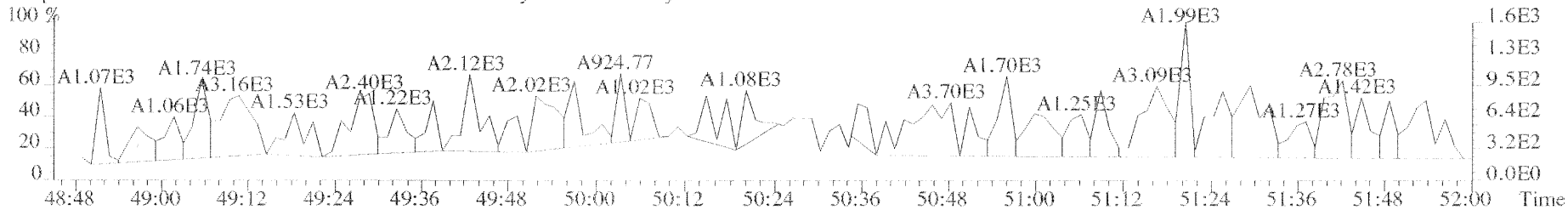
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



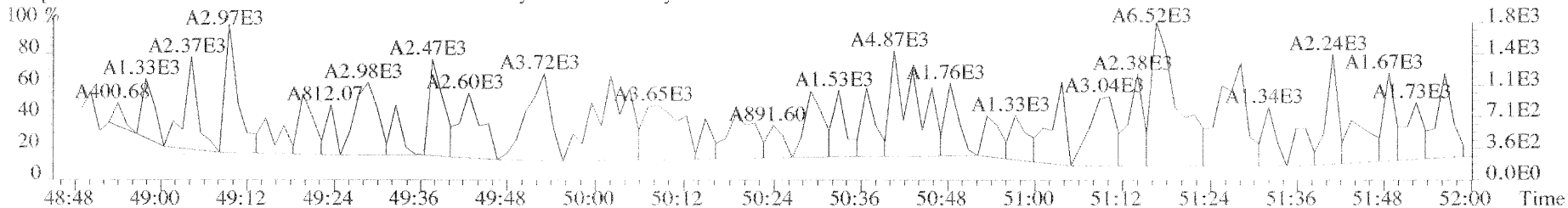
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



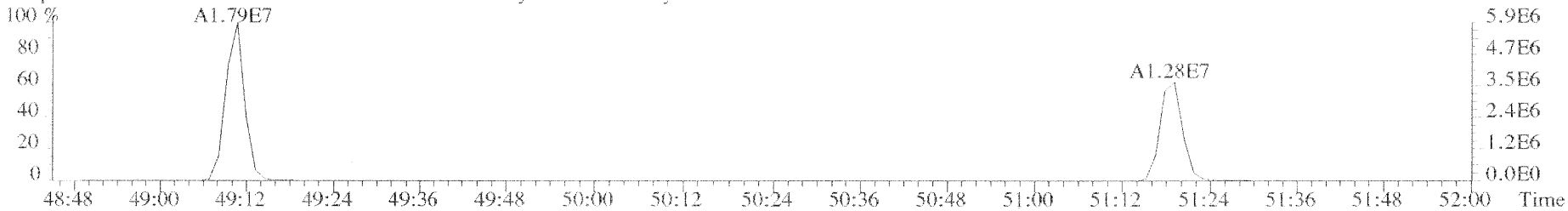
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



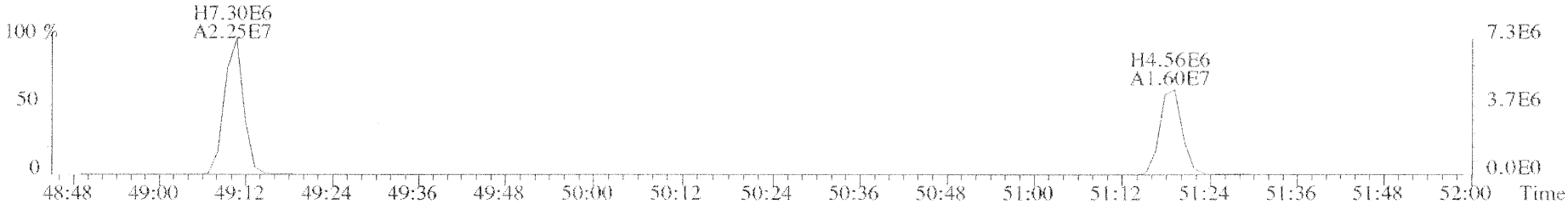
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



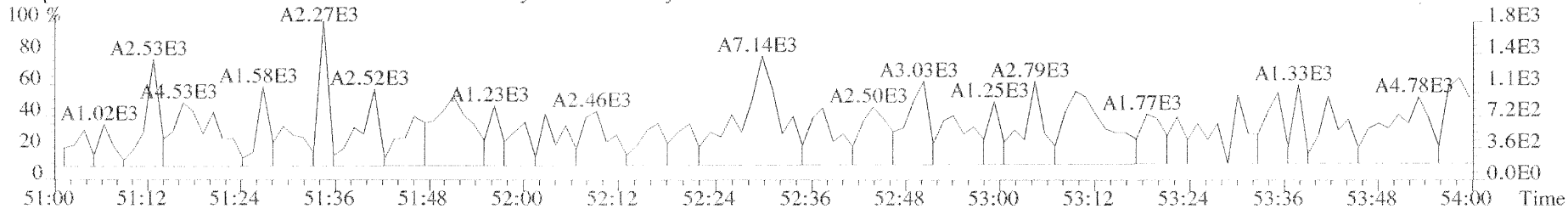
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



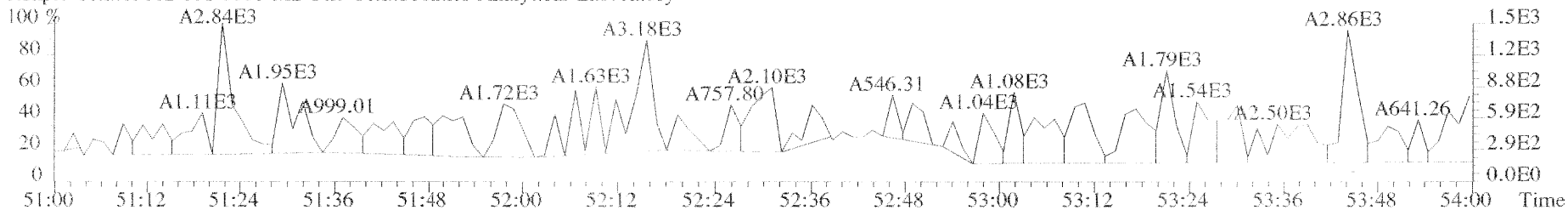
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



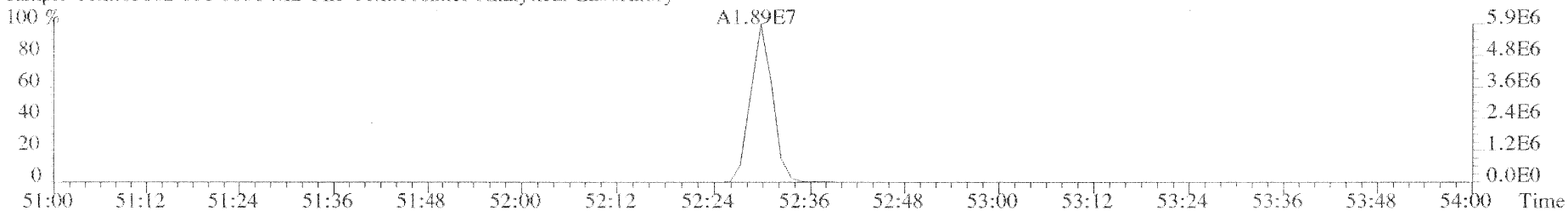
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



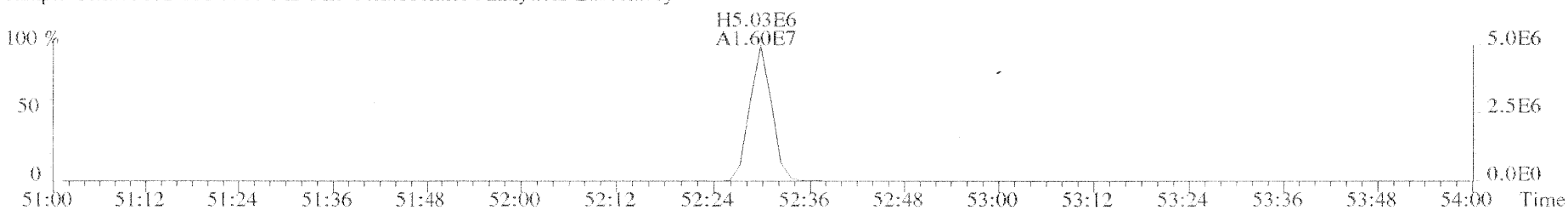
File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-MB File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 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:05602-001-0001-MB File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 09:31:45 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:05602-001-0001-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: 05602-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 01FEB21Z Sam:2

Ext. Date: 1/27/21 Shift: Day Analysis Date: 1-FEB-21 08:33:23

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	46.0	30.0 - 67.5
PCB-3	50	46.3	30.0 - 67.5
PCB-4	50	48.6	30.0 - 67.5
PCB-15	50	44.2	30.0 - 67.5
PCB-19	50	45.7	30.0 - 67.5
PCB-37	50	44.2	30.0 - 67.5
PCB-54	50	45.2	30.0 - 67.5
PCB-77	50	46.6	30.0 - 67.5
PCB-81	50	42.2	30.0 - 67.5
PCB-104	50	45.1	30.0 - 67.5
PCB-105	50	42.5	30.0 - 67.5
PCB-114	50	44.3	30.0 - 67.5
PCB-118	50	44.0	30.0 - 67.5
PCB-123	50	46.8	30.0 - 67.5
PCB-126	50	43.5	30.0 - 67.5
PCB-155	50	47.2	30.0 - 67.5
PCB-156	50	42.7	30.0 - 67.5
PCB-157	50	44.2	30.0 - 67.5
PCB-167	50	44.3	30.0 - 67.5
PCB-169	50	47.4	30.0 - 67.5
PCB-188	50	46.9	30.0 - 67.5
PCB-189	50	47.3	30.0 - 67.5
PCB-202	50	47.1	30.0 - 67.5
PCB-205	50	44.9	30.0 - 67.5
PCB-206	50	43.4	30.0 - 67.5
PCB-208	50	46.2	30.0 - 67.5
PCB-209	50	42.8	30.0 - 67.5

Analyst: [illegible] Date: 2/1/21

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05602-001-0001-OPR

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 01FEB21Z Sam:2

Ext. Date: 1/27/21 Shift: Day Analysis Date: 1-FEB-21 08:33:23

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	97.4	15.0 - 145
13C-PCB-3	100	93.1	15.0 - 145
13C-PCB-4	100	92.1	15.0 - 145
13C-PCB-15	100	91.0	15.0 - 145
13C-PCB-19	100	92.7	15.0 - 145
13C-PCB-37	100	89.6	15.0 - 145
13C-PCB-54	100	98.4	15.0 - 145
13C-PCB-77	100	90.4	40.0 - 145
13C-PCB-81	100	89.9	40.0 - 145
13C-PCB-104	100	94.2	40.0 - 145
13C-PCB-105	100	94.0	40.0 - 145
13C-PCB-114	100	96.1	40.0 - 145
13C-PCB-118	100	101	40.0 - 145
13C-PCB-123	100	93.7	40.0 - 145
13C-PCB-126	100	94.4	40.0 - 145
13C-PCB-155	100	104	40.0 - 145
13C-PCB-156	100	94.4	40.0 - 145
13C-PCB-157	100	98.0	40.0 - 145
13C-PCB-167	100	96.6	40.0 - 145
13C-PCB-169	100	98.1	40.0 - 145
13C-PCB-188	100	99.9	40.0 - 145
13C-PCB-189	100	98.7	40.0 - 145
13C-PCB-202	100	103	40.0 - 145
13C-PCB-205	100	93.9	40.0 - 145
13C-PCB-206	100	94.5	40.0 - 145
13C-PCB-208	100	93.7	40.0 - 145
13C-PCB-209	100	96.7	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	95.2	15.0 - 145
13C-PCB-111	100	93.0	40.0 - 145
13C-PCB-178	100	97.5	40.0 - 145

Analyst: [illegible] Date: 2/1/21

FAL ID: 05602-001-0001-OPR Filename: 01FEB21Z Sam:2 Acquired: 1-FEB-21 08:33:23 ICal: DAILY209FAL4-2-1-21
Client ID: OPR ConCal: ST020121Z1 EndCal: ST020121Z2
Results: GC Column: DB1MS Amount: 1.000

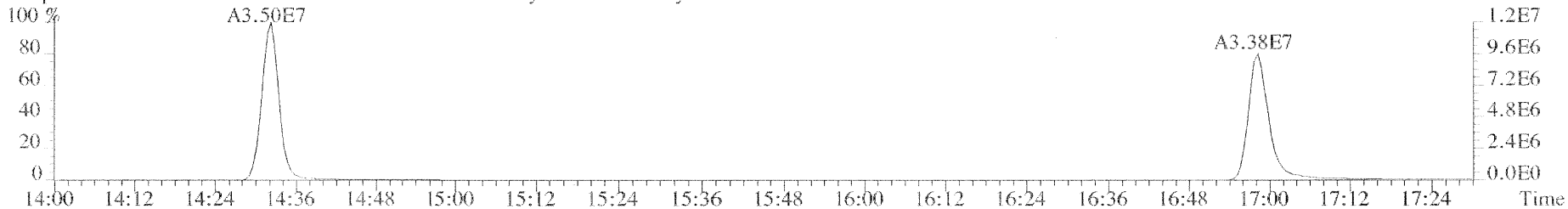
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.60e+07	3.19 y	14:32	1.24	46.0		2.50	-	-	*	
13C-PCB-1	8.07e+07	3.16 y	14:31	0.86	97.4		2.50				97.4
PCB-3	4.43e+07	3.22 y	16:58	1.26	46.3		2.50	-	-	*	
13C-PCB-3	7.57e+07	3.20 y	16:57	0.84	93.1		2.50				93.1
PCB-4	3.34e+07	1.55 y	18:12	1.16	48.6		2.50	-	-	*	
13C-PCB-4	5.94e+07	1.58 y	18:10	0.67	92.1		2.50				92.1
PCB-15	5.04e+07	1.57 y	23:45	1.29	44.2		2.50	-	-	*	
13C-PCB-15	8.86e+07	1.65 y	23:44	1.01	91.0		2.50				91.0
PCB-19	2.51e+07	1.04 y	22:05	1.25	45.7		2.50	-	-	*	
13C-PCB-19	4.38e+07	1.08 y	22:04	0.49	92.7		2.50				92.7
13C-PCB-9	9.64e+07	1.60 y	19:52	-	47.1		2.50				
PCB-37	4.04e+07	1.07 y	30:24	1.35	44.2		2.50	-	-	*	
13C-PCB-37	6.79e+07	1.04 y	30:23	1.62	89.6		2.50				89.6
PCB-54	3.43e+07	0.79 y	25:37	1.32	45.2		2.50	-	-	*	
13C-PCB-54	5.76e+07	0.82 y	25:36	1.25	98.4		2.50				98.4
PCB-104	2.49e+07	1.53 y	30:04	1.16	45.1		2.50	-	-	*	
13C-PCB-104	4.74e+07	1.61 y	30:03	1.08	94.2		2.50				94.2
13C-PCB-28	8.57e+07	1.05 y	26:42	1.93	95.2		2.50				95.2
13C-PCB-52	4.67e+07	0.79 y	28:57	-	44.2		2.50				
PCB-81	3.27e+07	0.79 y	36:11	1.38	42.2		2.50	-	-	*	
13C-PCB-81	5.63e+07	0.81 y	36:09	1.60	89.9		2.50				89.9
PCB-77	3.22e+07	0.79 y	36:46	1.18	46.6		2.50	-	-	*	
13C-PCB-77	5.85e+07	0.82 y	36:43	1.65	90.4		2.50				90.4
PCB-155	2.71e+07	1.25 y	34:14	1.08	47.2		2.50	-	-	*	
13C-PCB-155	5.29e+07	1.26 y	34:13	1.30	104		2.50				104
13C-PCB-111	4.56e+07	1.60 y	36:18	1.25	93.0		2.50				93.0
13C-PCB-101	3.92e+07	1.61 y	34:40	-	39.7		2.50				
PCB-123	2.80e+07	1.55 y	38:22	1.17	46.8		2.50	-	-	*	
13C-PCB-123	5.11e+07	1.58 y	38:21	1.35	93.7		2.50				93.7
PCB-118	3.26e+07	1.59 y	38:32	1.22	44.0		2.50	-	-	*	
13C-PCB-118	6.06e+07	1.62 y	38:32	1.49	101		2.50				101
PCB-114	2.98e+07	1.61 y	39:10	1.22	44.3		2.50	-	-	*	
13C-PCB-114	5.53e+07	1.60 y	39:09	1.43	96.1		2.50				96.1
PCB-105	2.94e+07	1.58 y	39:60	1.29	42.5		2.50	-	-	*	
13C-PCB-105	5.36e+07	1.61 y	39:58	1.42	94.0		2.50				94.0
PCB-126	2.68e+07	1.56 y	42:08	1.25	43.5		2.50	-	-	*	
13C-PCB-126	4.92e+07	1.61 y	42:06	1.29	94.4		2.50				94.4
PCB-167	2.47e+07	1.25 y	43:29	1.24	44.3		2.50	-	-	*	
13C-PCB-167	4.50e+07	1.28 y	43:27	1.16	96.6		2.50				96.6
PCB-156	2.35e+07	1.25 y	44:43	1.29	42.7		2.50	-	-	*	
13C-PCB-156	4.25e+07	1.26 y	44:41	1.12	94.4		2.50				94.4
PCB-157	2.51e+07	1.25 y	44:58	1.24	44.2		2.50	-	-	*	
13C-PCB-157	4.56e+07	1.26 y	44:56	1.15	98.0		2.50				98.0
PCB-169	2.37e+07	1.28 y	46:49	1.17	47.4		2.50	-	-	*	
13C-PCB-169	4.28e+07	1.28 y	46:49	1.08	98.1		2.50				98.1
PCB-188	2.47e+07	1.05 y	39:45	1.12	46.9		2.50	-	-	*	
13C-PCB-188	4.70e+07	1.05 y	39:43	1.17	99.9		2.50				99.9
PCB-189	2.04e+07	1.04 y	48:28	1.08	47.3		2.50	-	-	*	
13C-PCB-189	3.98e+07	1.07 y	48:28	1.00	98.7		2.50				98.7
PCB-202	2.07e+07	0.90 y	44:51	1.09	47.1		2.50	-	-	*	
13C-PCB-202	4.04e+07	0.90 y	44:51	0.98	103		2.50				103
13C-PCB-178	3.26e+07	1.08 y	42:21	0.83	97.5		2.50				97.5
13C-PCB-138	4.03e+07	1.28 y	41:35	-	39.1		2.50				

FAL ID: 05602-001-0001-OPR Filename: 01FEB21Z Sam:2 Acquired: 1-FEB-21 08:33:23 ICal: DAILY209FAL4-2-1-21
Client ID: OPR ConCal: STO2012121 EndCal: STO2012122
Results: GC Column: DB1MS Amount: 1.000

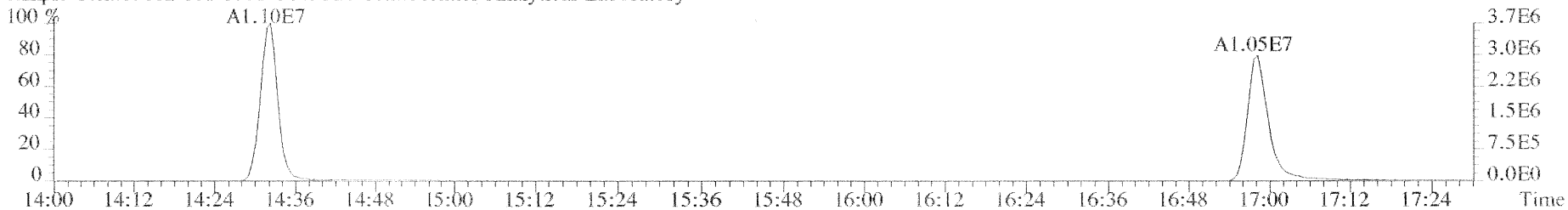
PCB-205	2.57e+07	0.92 y	50:08	1.22	44.9	2.50	-	-	*	
13C-PCB-205	4.69e+07	0.88 y	50:07	1.28	93.9	2.50				93.9
PCB-208	2.34e+07	1.39 y	49:12	1.13	46.2	2.50	-	-	*	
13C-PCB-208	4.48e+07	0.81 y	49:10	1.23	93.7	2.50				93.7
PCB-206	1.62e+07	1.33 y	51:19	1.15	43.4	2.50	-	-	*	
13C-PCB-206	3.25e+07	0.80 y	51:19	0.89	94.5	2.50				94.5
PCB-209	1.98e+07	1.19 y	52:31	1.20	42.8	2.50	-	-	*	
13C-PCB-209	3.86e+07	1.19 y	52:29	1.03	96.7	2.50				96.7
13C-PCB-194	3.89e+07	0.90 y	49:52	-	43.6	2.50				

Analyst: _____ Date: 2/1/21

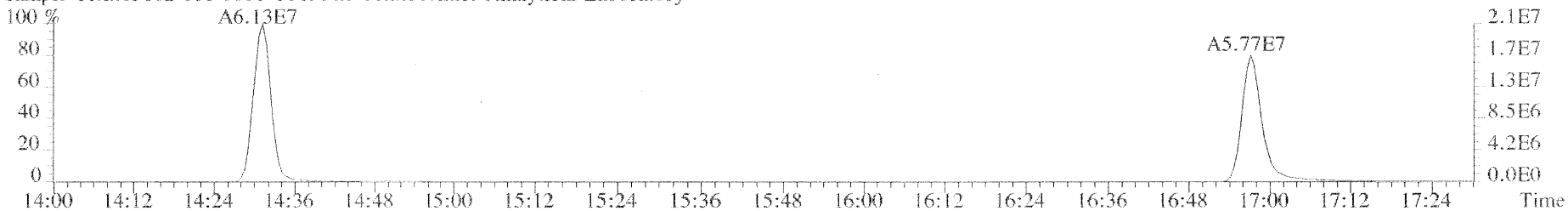
File:01FEB21Z #1-783 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



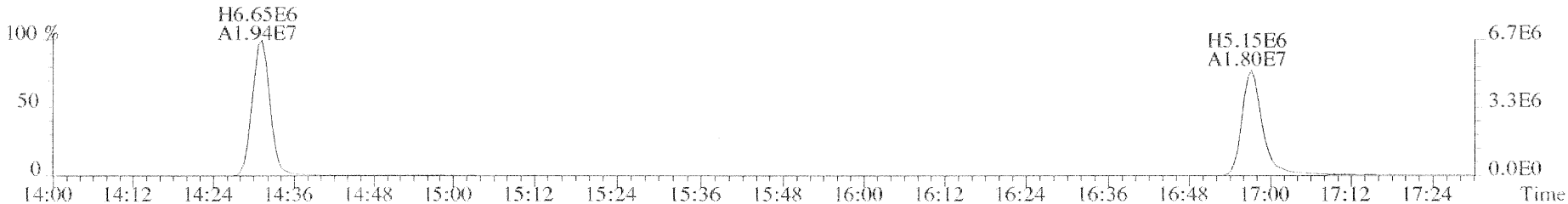
File:01FEB21Z #1-783 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



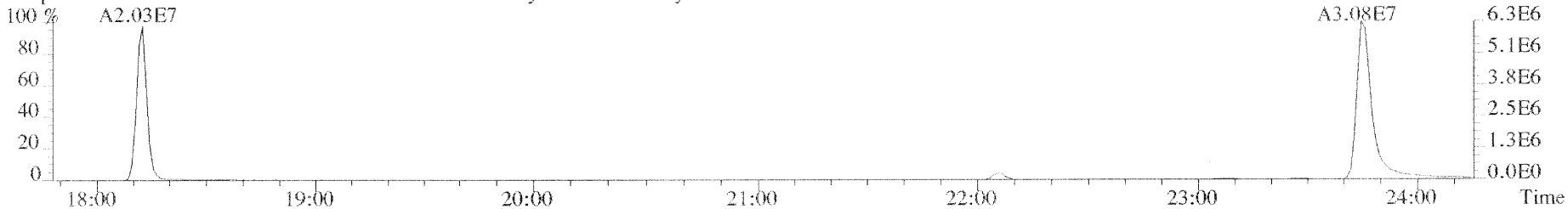
File:01FEB21Z #1-783 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



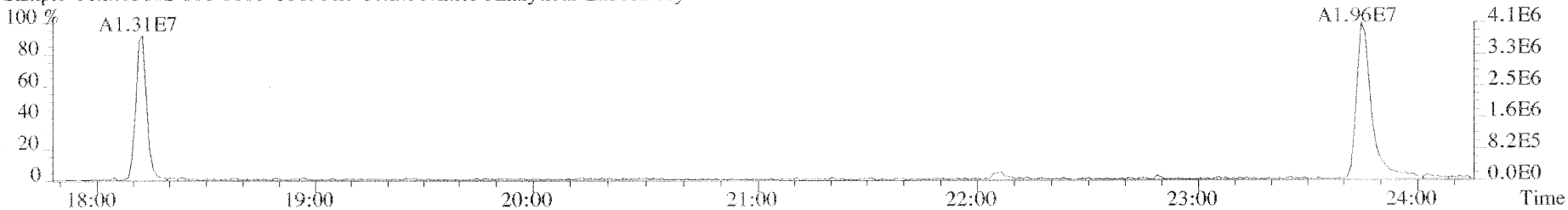
File:01FEB21Z #1-783 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



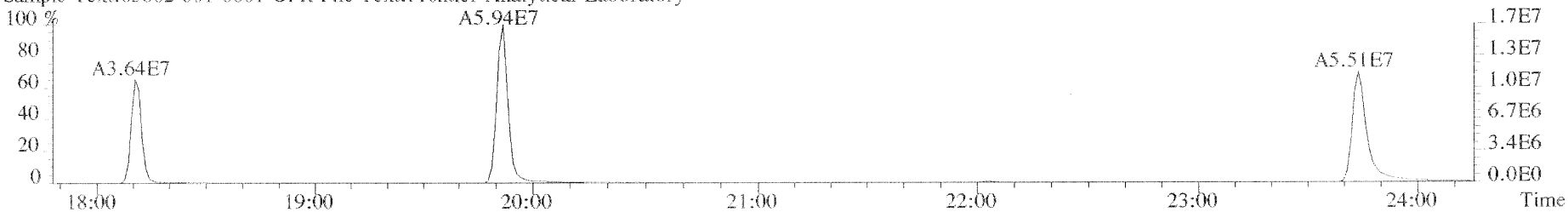
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



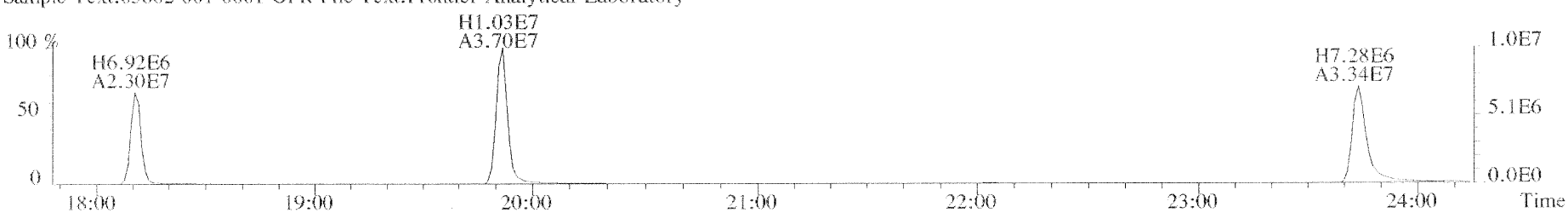
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



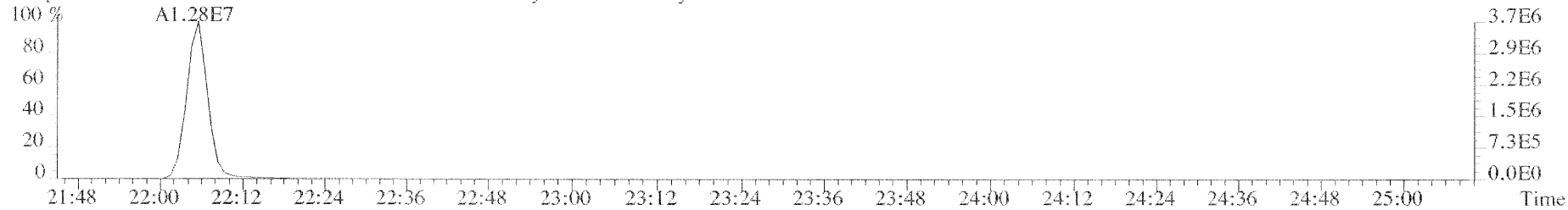
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



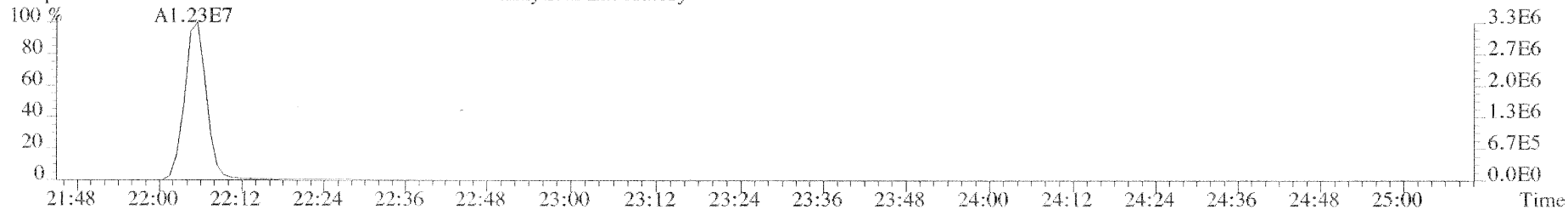
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



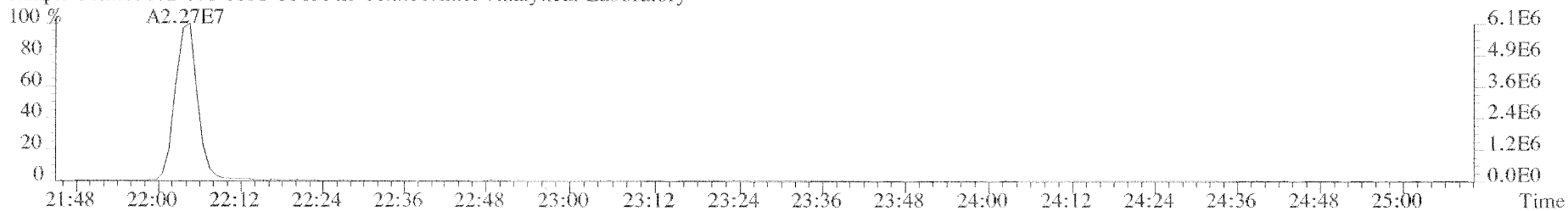
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



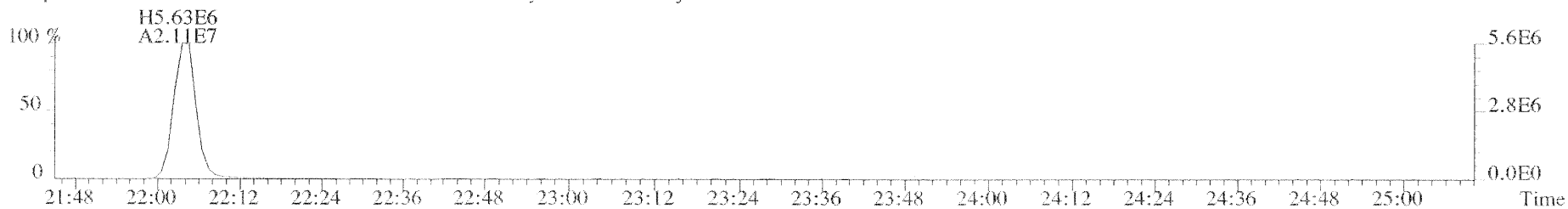
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



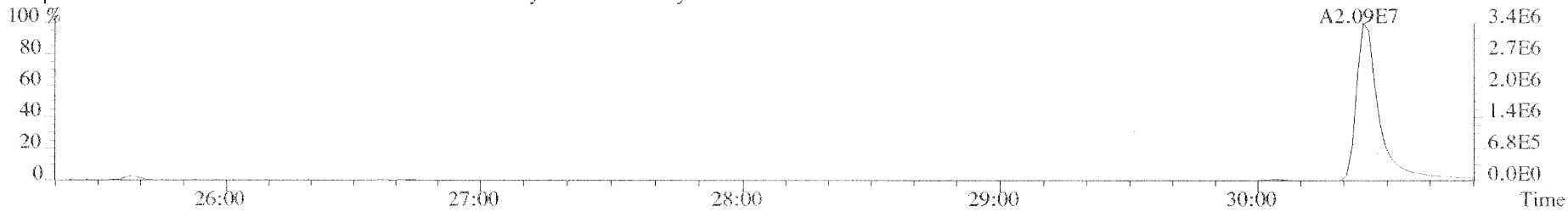
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



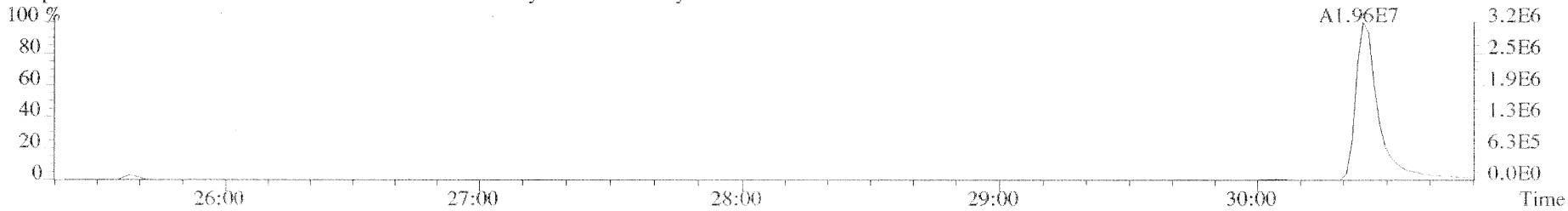
File:01FEB21Z #1-467 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



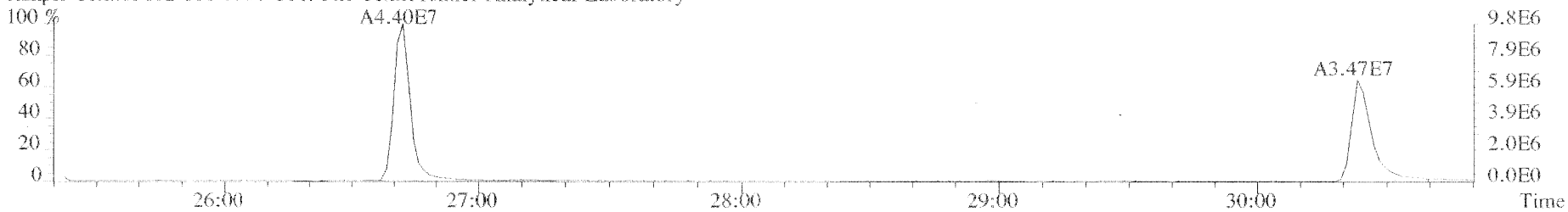
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



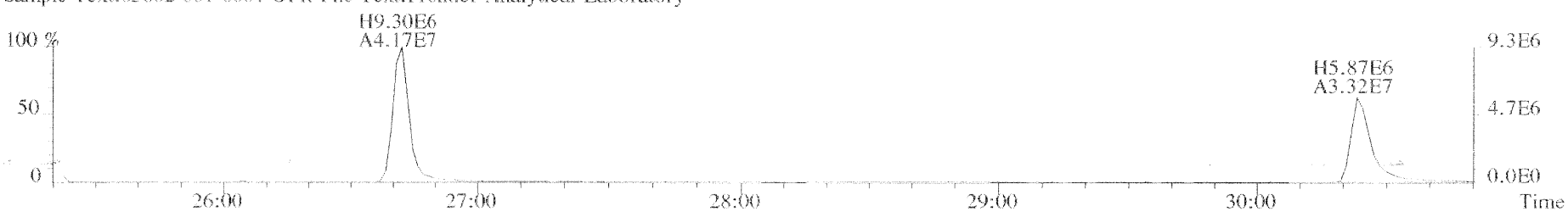
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



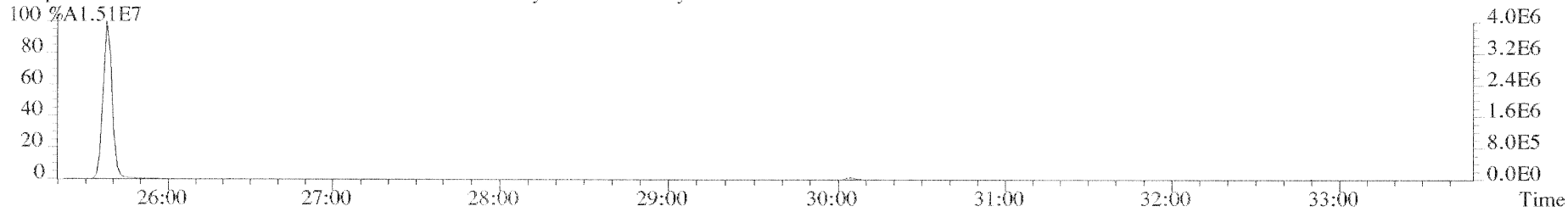
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



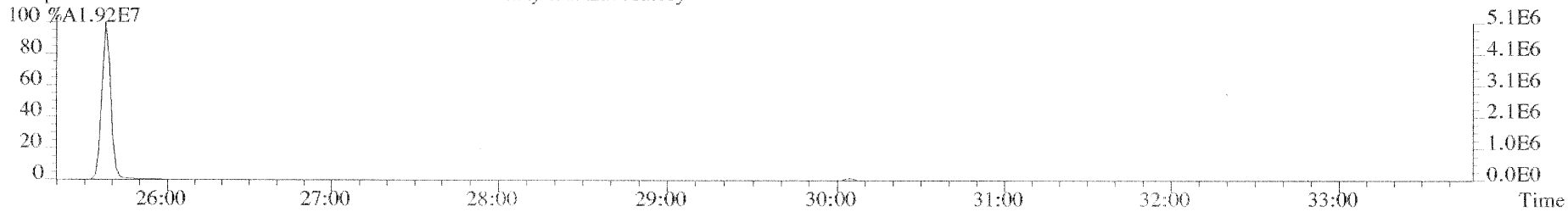
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



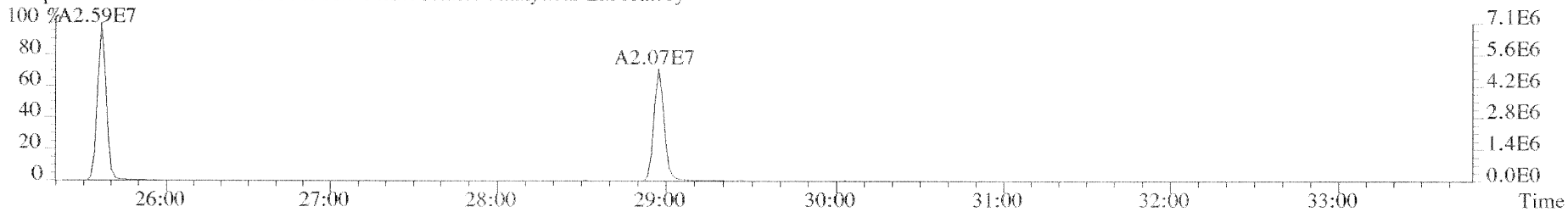
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



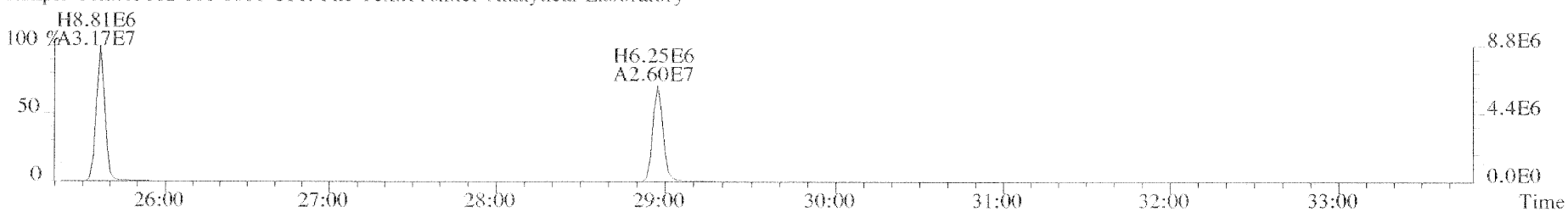
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



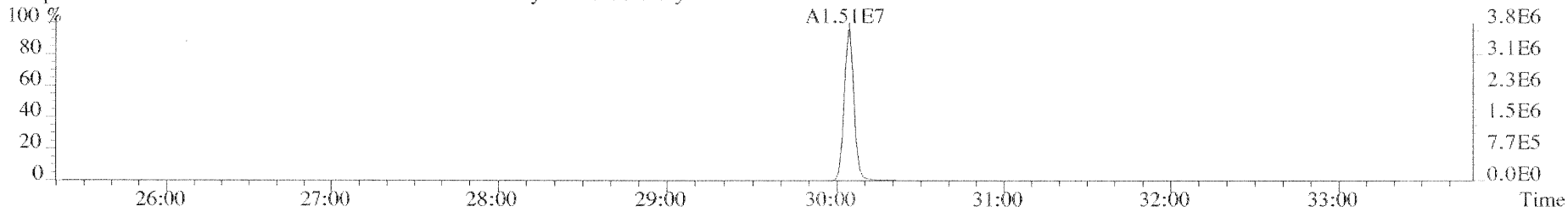
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



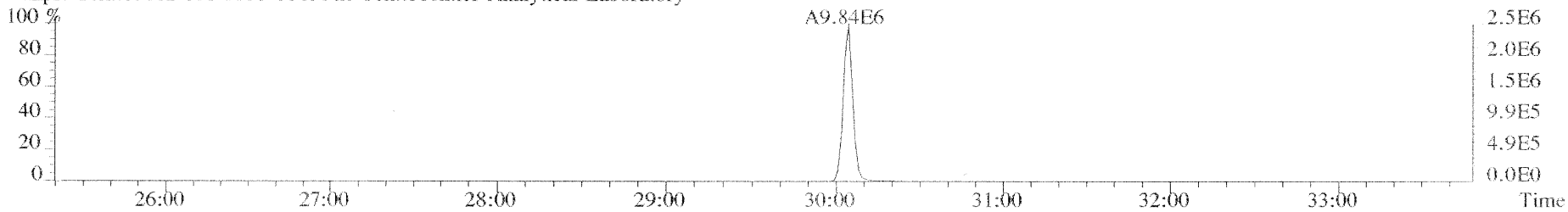
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



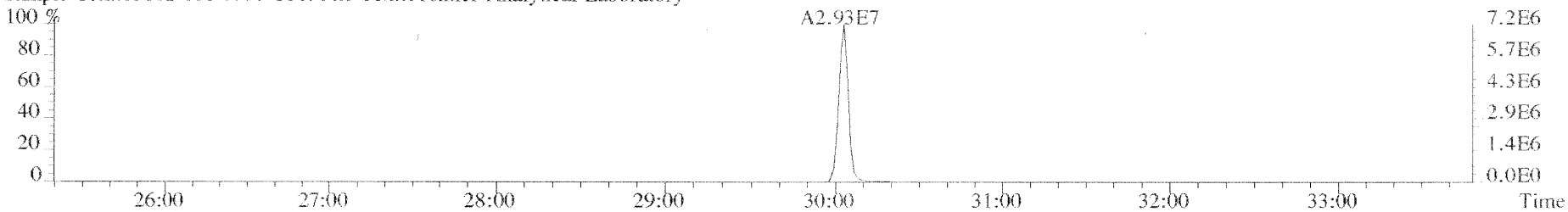
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



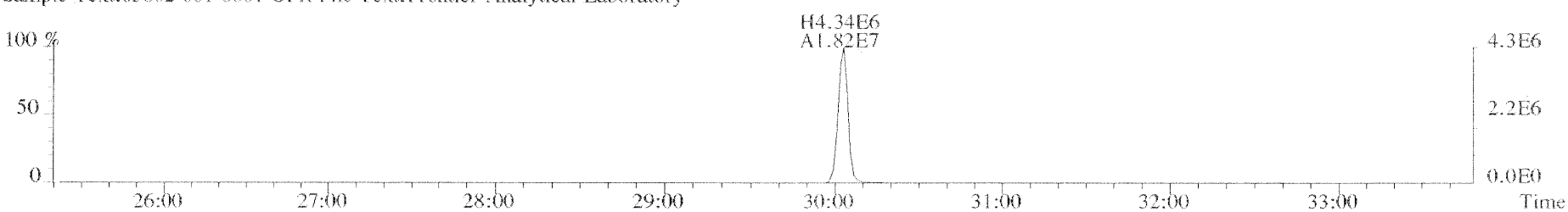
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



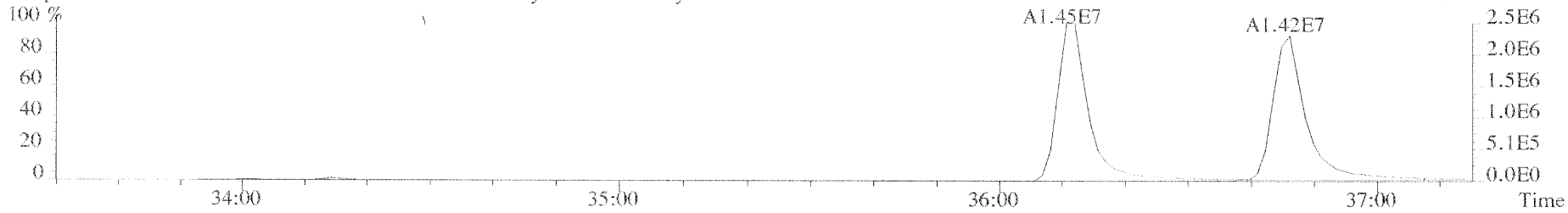
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



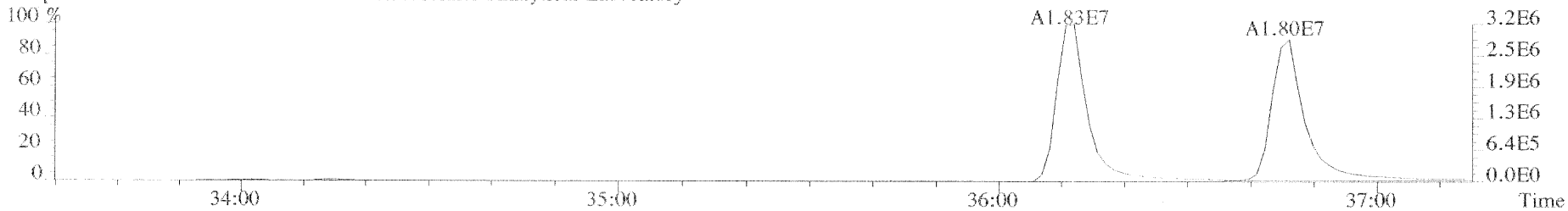
File:01FEB21Z #1-403 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



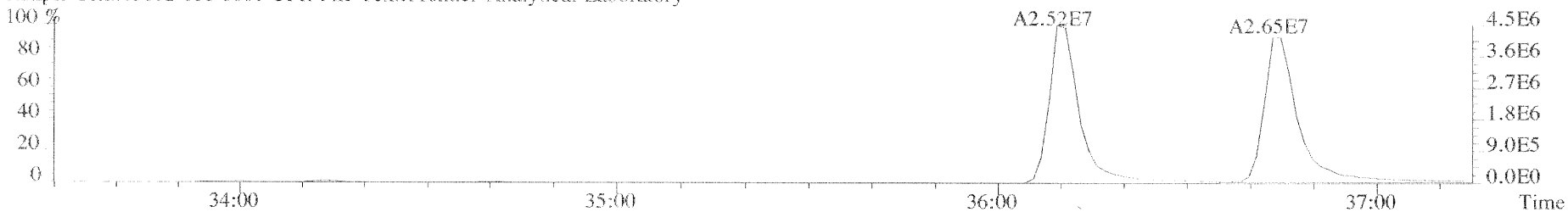
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



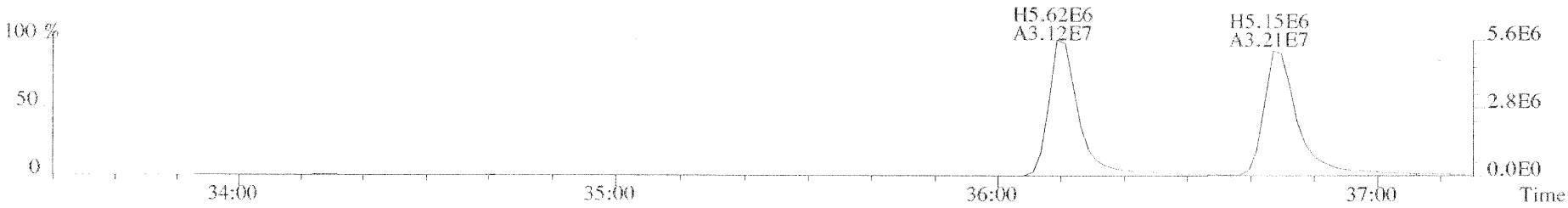
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



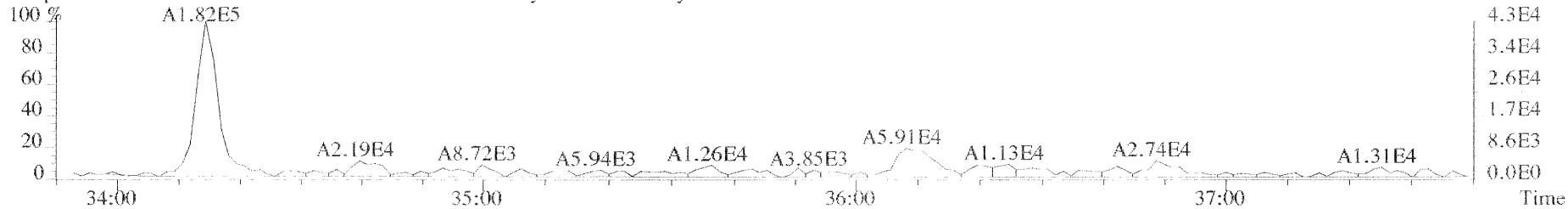
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



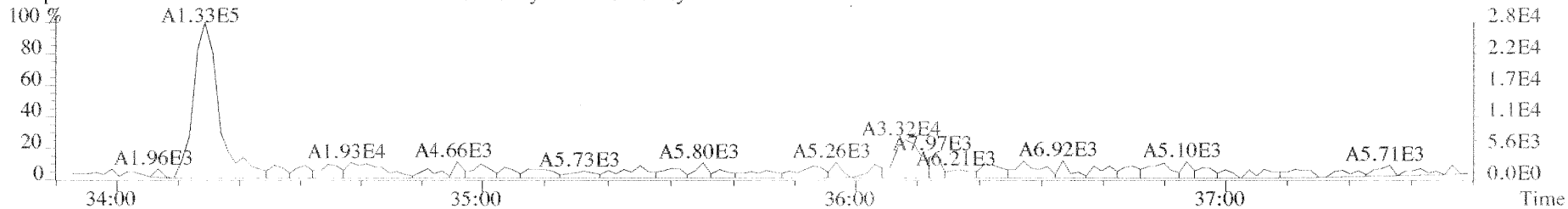
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



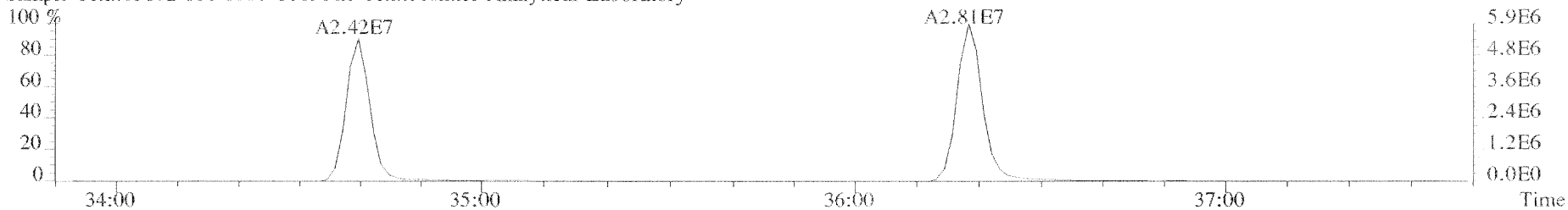
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



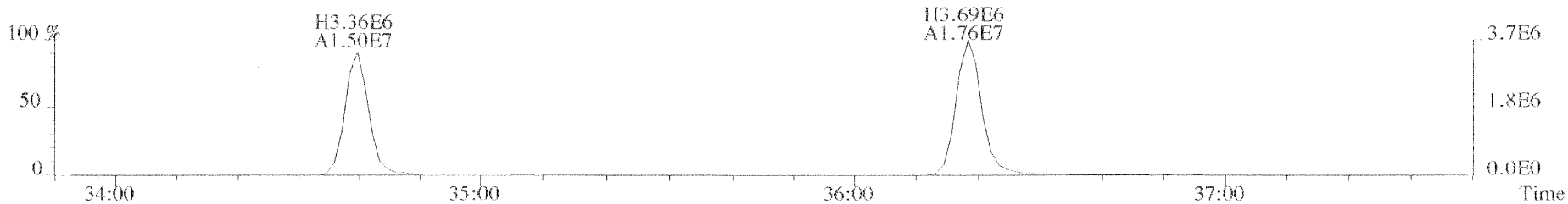
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



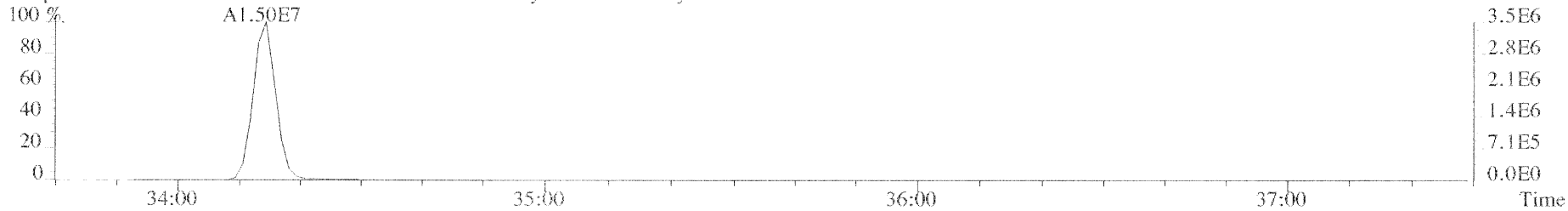
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



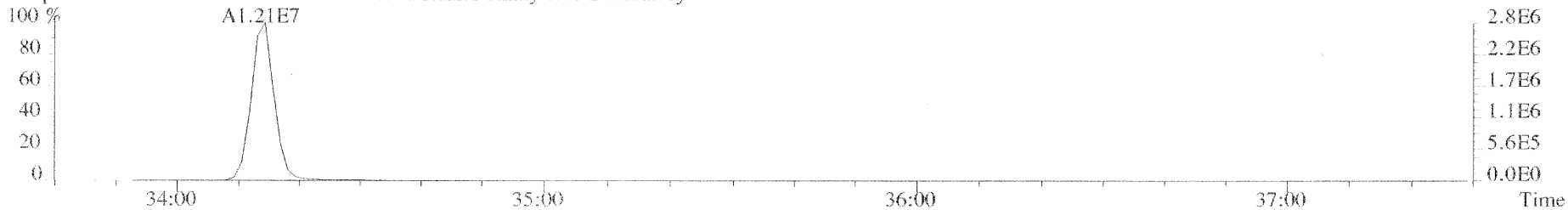
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



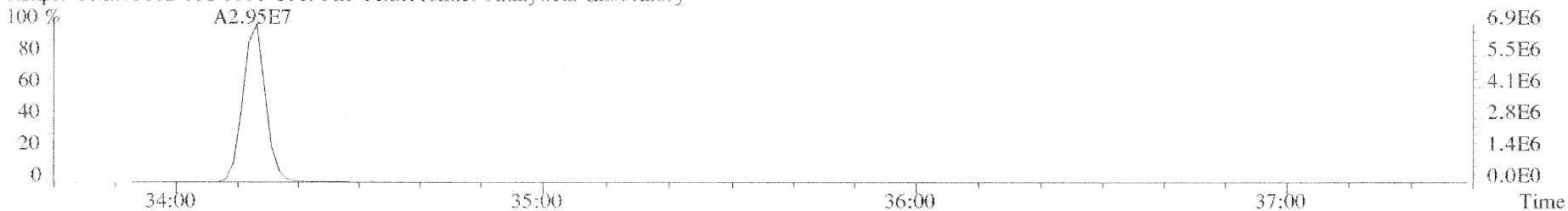
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



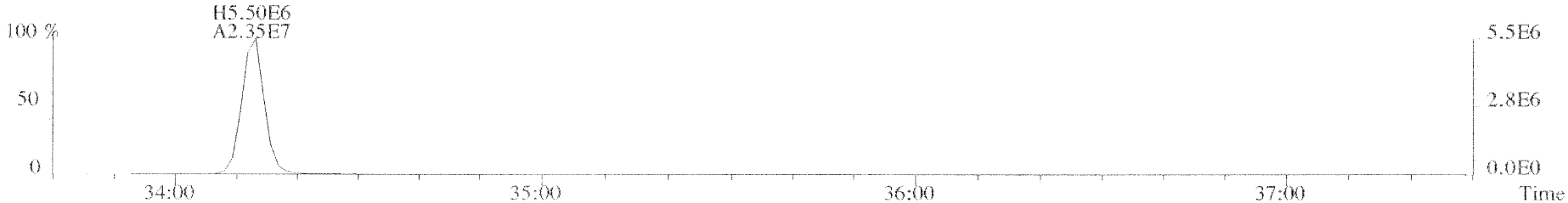
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



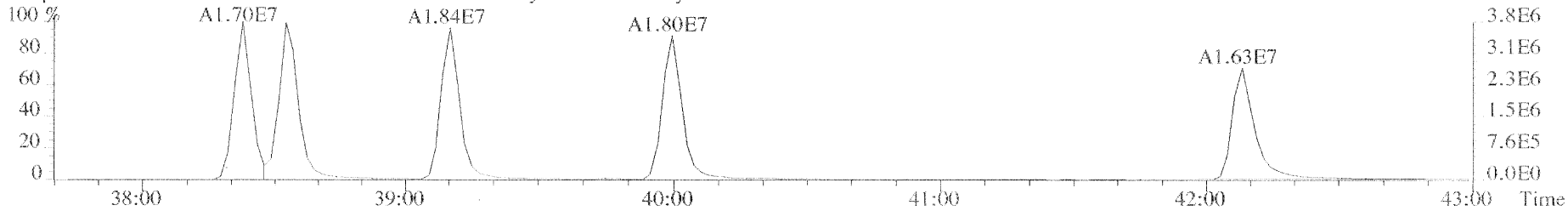
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



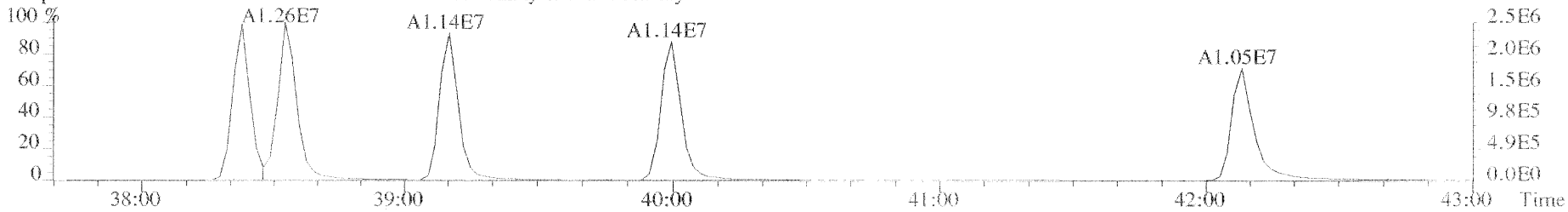
File:01FEB21Z #1-181 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



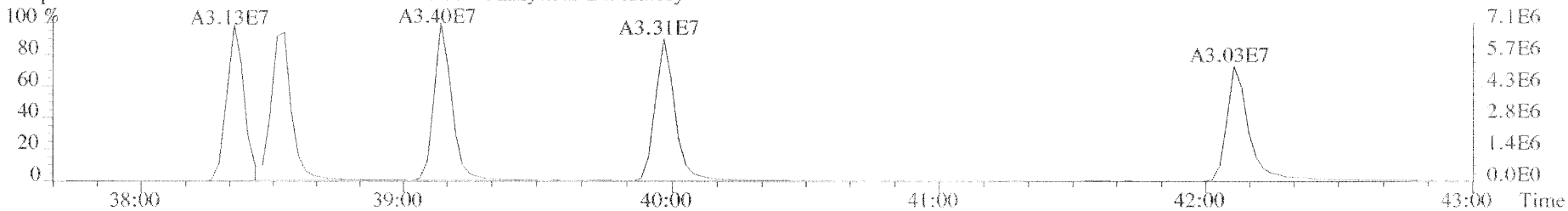
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



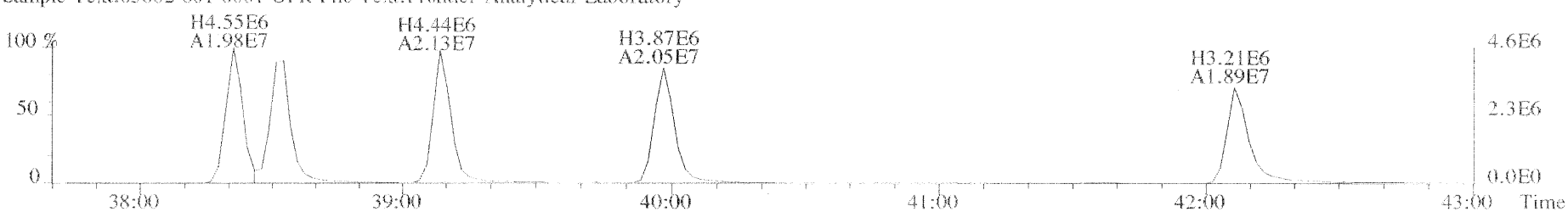
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



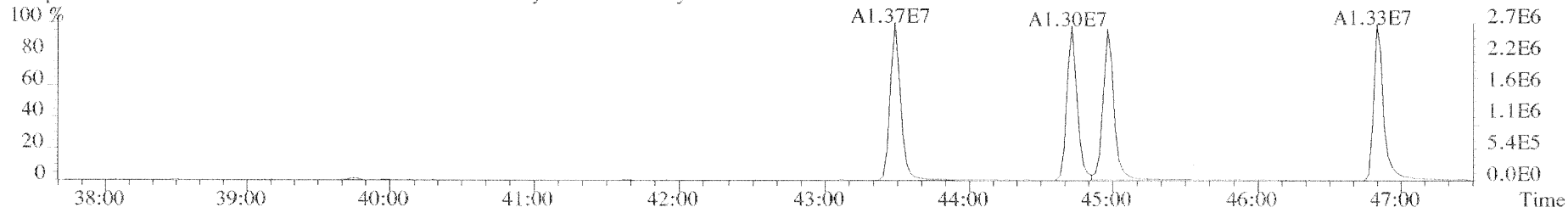
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



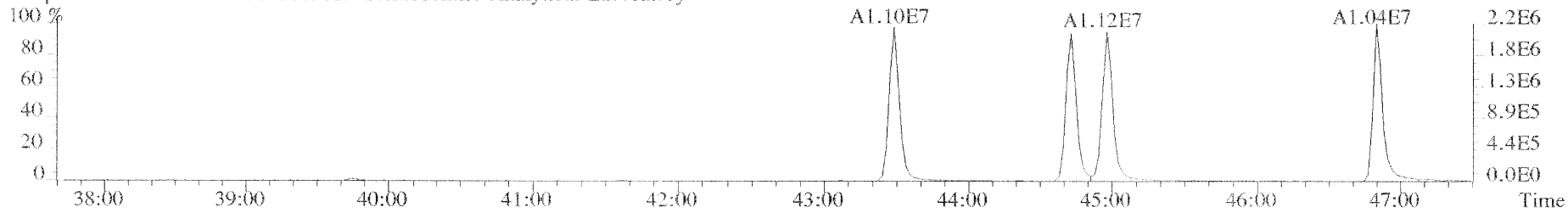
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



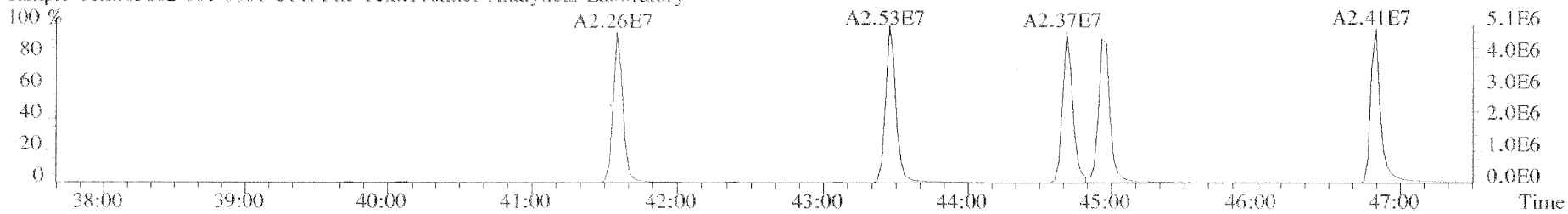
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



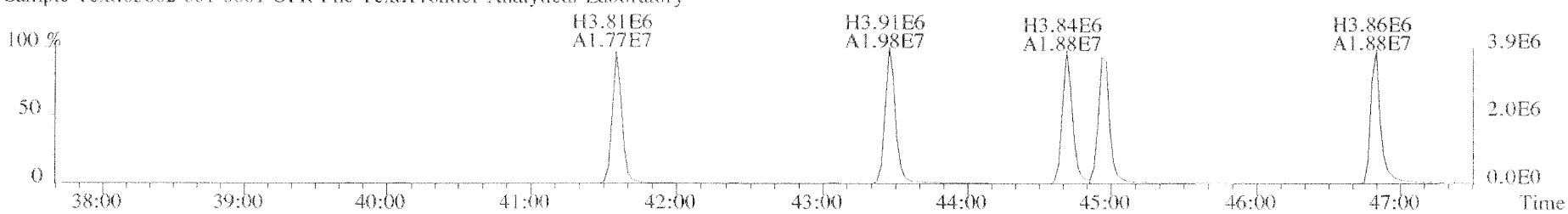
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



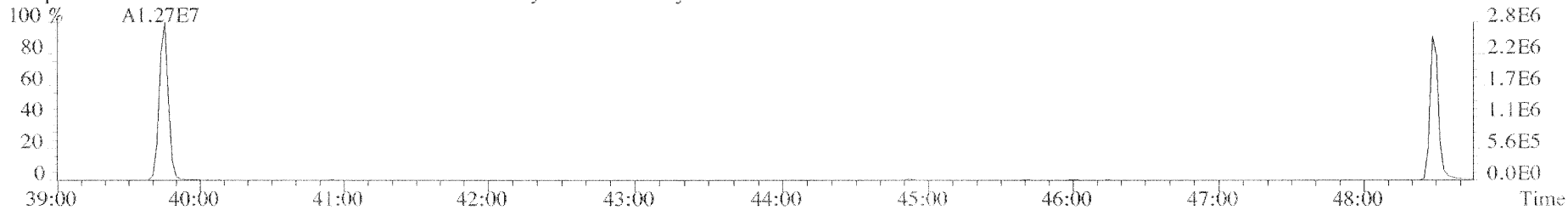
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



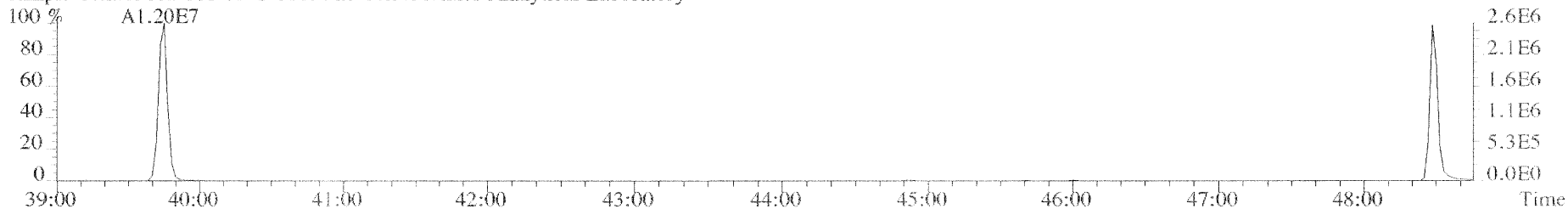
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



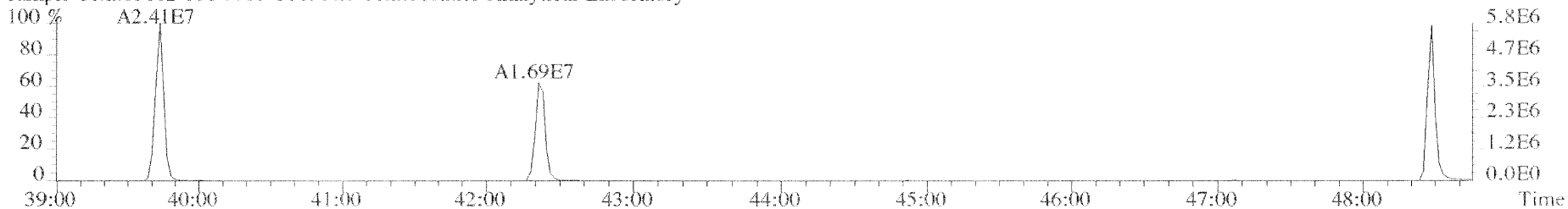
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



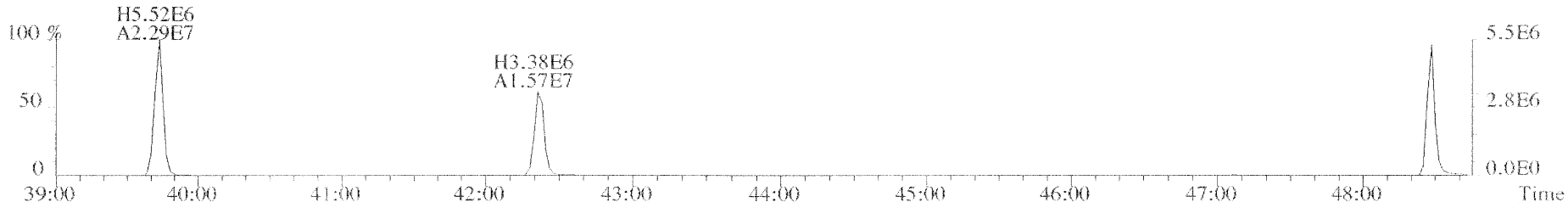
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



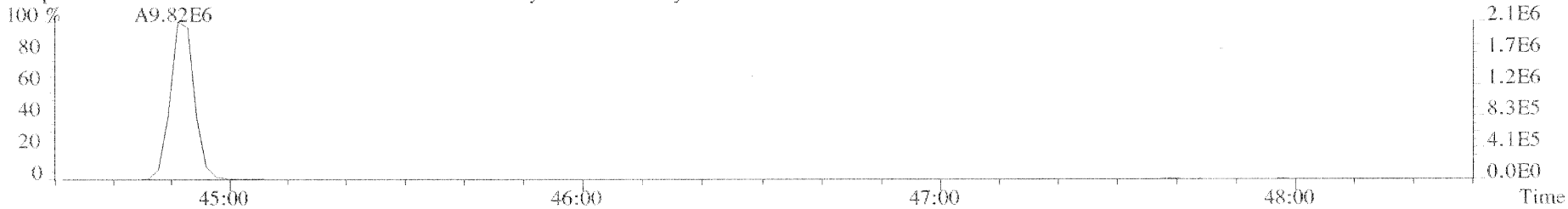
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



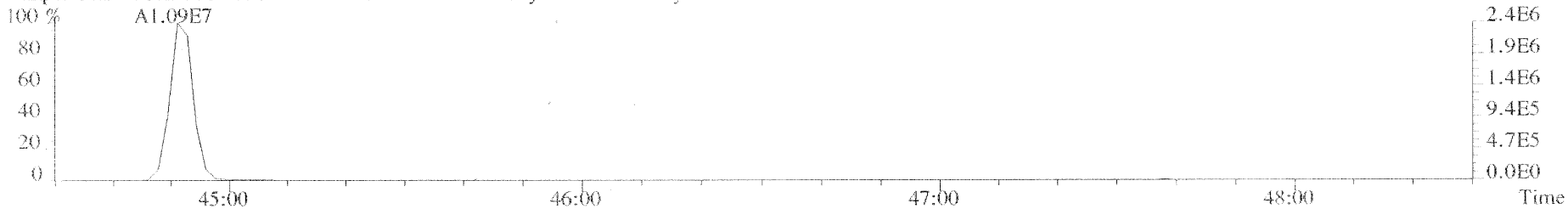
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



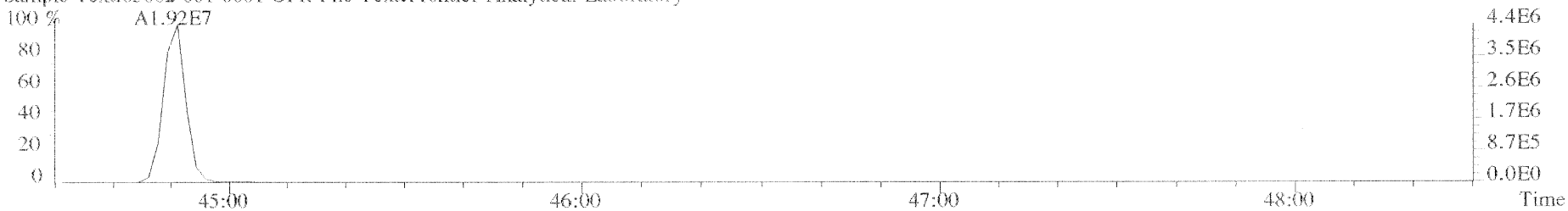
File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



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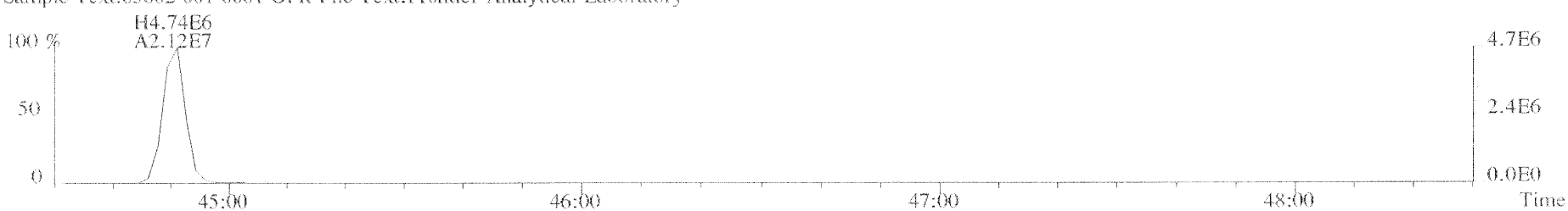
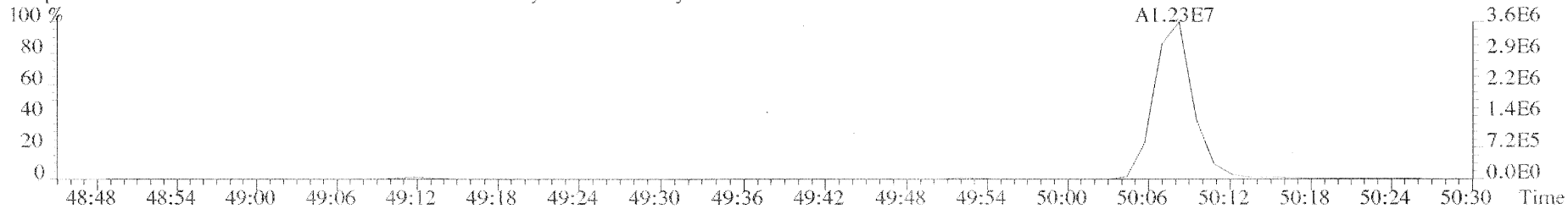
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



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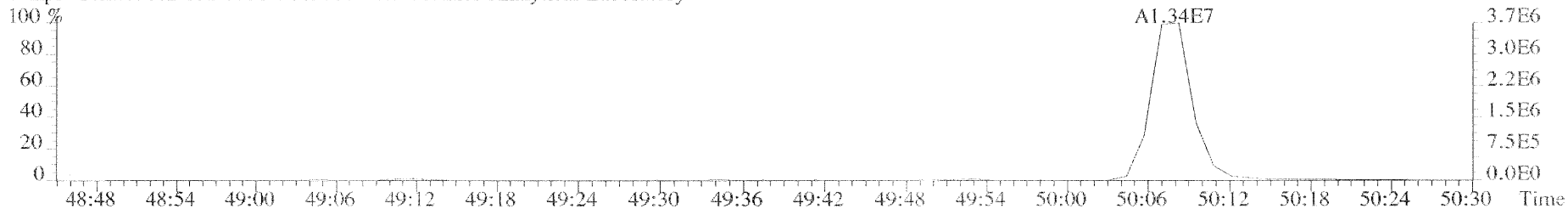
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
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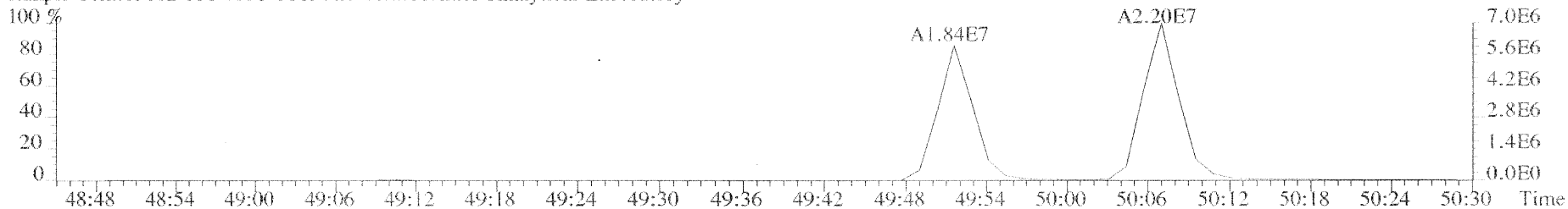
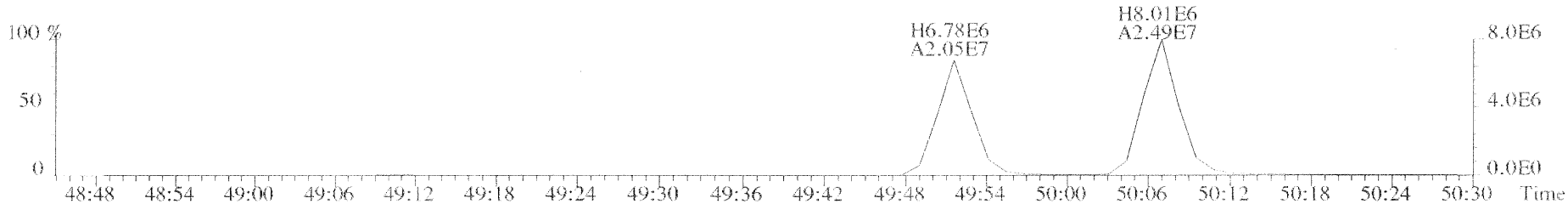
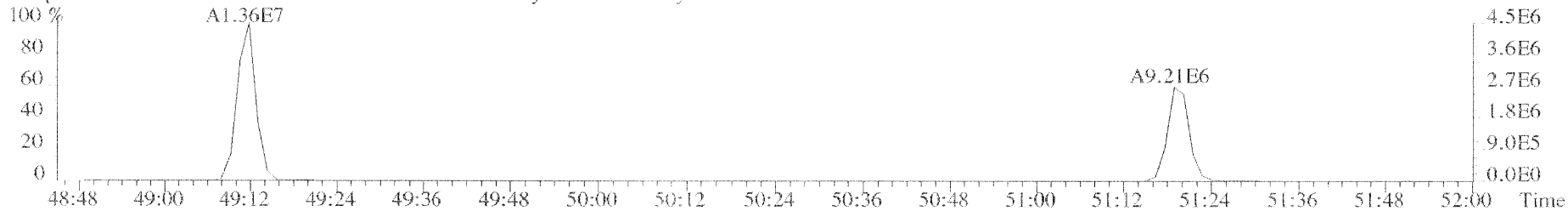
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



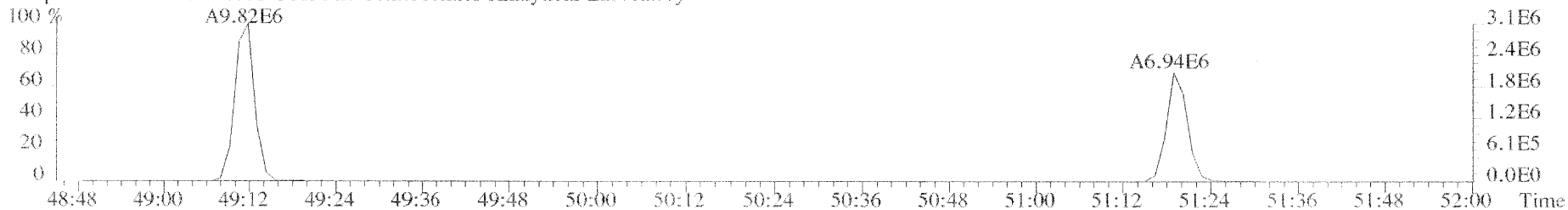
File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



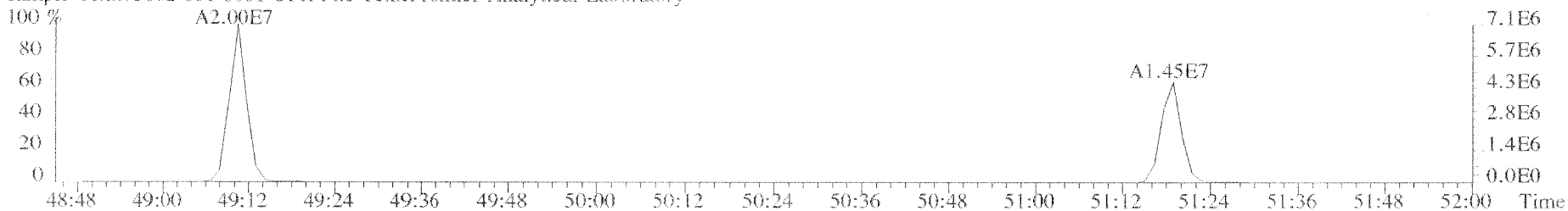
File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



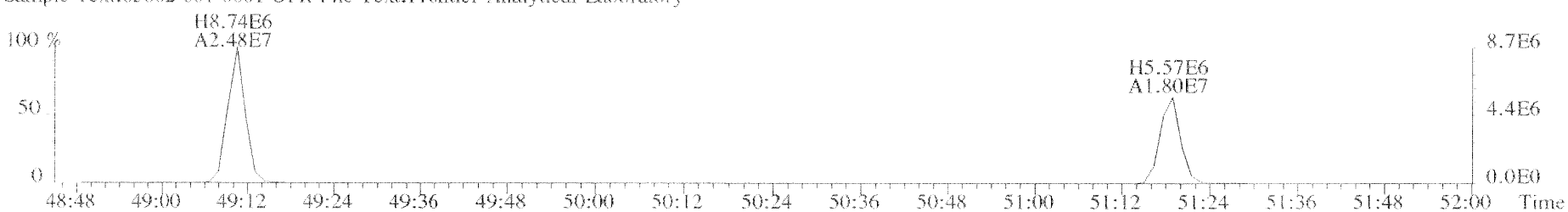
File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



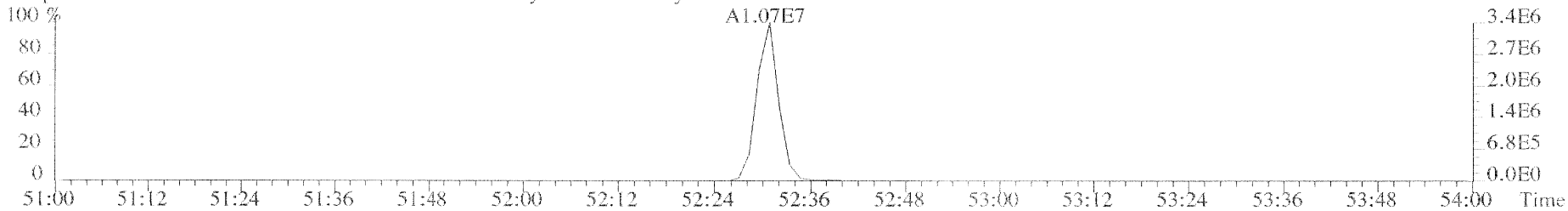
File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



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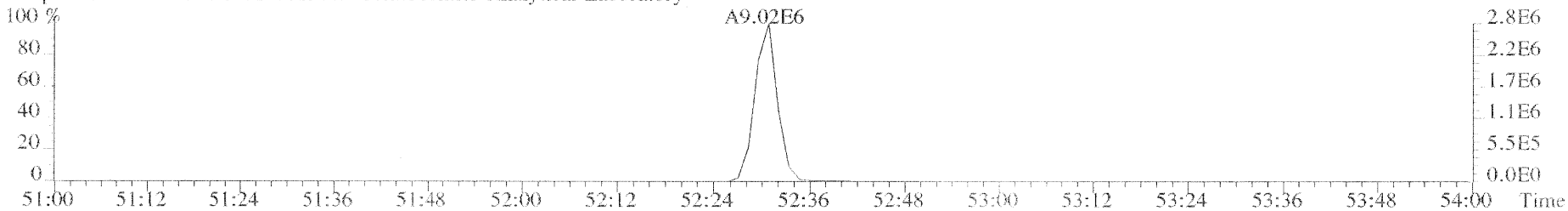
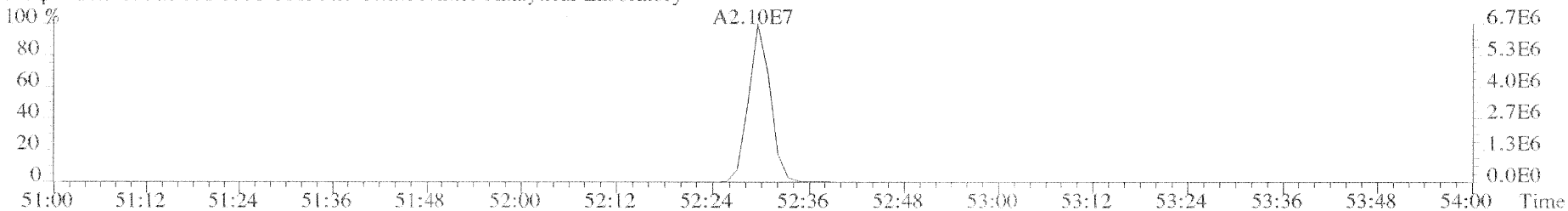
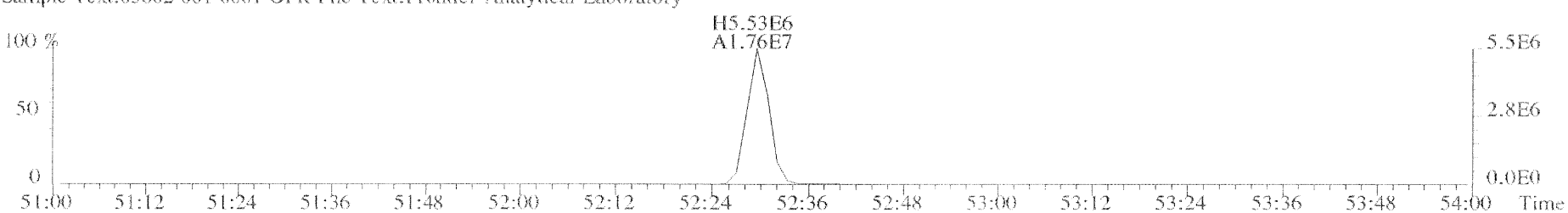
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 08:33:23 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:05602-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13559-001-0001-SA Filename: 01FEB21Z Sam:4 Acquired: 1-FEB-21 10:30:06 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR-A-CORE ConCal: ST02012121 EndCal: ST02012122 Page 1 of 5
Results: 13559 GC Column: DB1MS Amount: 10.25

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec
PCB-1	6.72e+05	3.16 y	14:32	1.24	6.12		-	-	*	
13C-PCB-1	8.63e+07	3.17 y	14:31	0.86	955					97.9
PCB-2	8.82e+04	3.32 y	16:46	1.26	0.805	J	-	-	*	
PCB-3	5.72e+05	3.08 y	16:58	1.26	5.32		-	-	*	
13C-PCB-3	8.29e+07	3.24 y	16:57	0.84	935					95.8
PCB-4	9.86e+05	1.51 y	18:12	1.16	13.2		-	-	*	
PCB-10	1.57e+05	1.40 y	18:16	1.57	1.17	J	-	-	*	
13C-PCB-4	6.32e+07	1.60 y	18:11	0.67	897					92.0
PCB-9	3.50e+05	1.47 y	19:53	1.54	2.65		-	-	*	
PCB-7	4.71e+05	1.37 y	19:56	1.55	3.55		-	-	*	
PCB-6	1.49e+06	1.52 y	20:31	1.50	11.6		-	-	*	
PCB-8	5.79e+06	1.52 y	20:53	1.52	44.6		-	-	*	
PCB-5	2.81e+05	1.41 y	20:58	1.52	2.16		-	-	*	
PCB-14	*	* n	NotFnd	1.47	*		945	6550	0.539	
PCB-11	4.43e+05	1.51 y	23:06	1.41	3.66		-	-	*	
PCB-13	2.97e+05	1.41 y	23:25	1.42	2.43		-	-	*	
PCB-12	4.38e+05	1.38 y	23:26	1.45	3.51		-	-	*	
PCB-15	3.50e+06	1.35 y	23:45	1.29	25.5		-	-	*	
13C-PCB-15	1.04e+08	1.60 y	23:44	1.01	980					100
PCB-19	3.60e+05	1.19 y	22:06	1.25	5.79		-	-	*	
PCB-30	*	* n	NotFnd	1.84	*		4400	1040	0.552	
PCB-18	4.12e+06	1.07 y	23:39	1.26	65.9		-	-	*	
PCB-17	2.20e+06	1.13 y	23:49	1.40	31.8		-	-	*	
PCB-27	2.34e+05	1.02 y	24:19	1.80	2.62		-	-	*	
PCB-24	3.45e+05	1.13 y	24:20	1.84	3.78		-	-	*	
PCB-16	1.51e+06	1.03 y	24:49	1.55	19.6		-	-	*	
PCB-32	1.93e+06	1.15 y	24:51	1.57	24.7		-	-	*	
13C-PCB-19	4.84e+07	1.06 y	22:05	0.49	938					96.1
13C-PCB-9	1.03e+08	1.59 y	19:52	-	4.90					
PCB-34	1.21e+05	1.16 y	25:35	1.23	1.19	J	-	-	*	
PCB-23	*	* n	NotFnd	1.54	*		2400	1130	0.427	
PCB-29	1.34e+05	1.15 y	25:56	1.38	1.18	J	-	-	*	
PCB-26	2.62e+06	1.07 y	26:08	1.33	23.9		-	-	*	
PCB-25	1.65e+06	1.10 y	26:17	1.30	15.4		-	-	*	
PCB-31	1.06e+07	1.06 y	26:37	1.33	96.3		-	-	*	
PCB-28	1.40e+07	1.08 y	26:44	1.61	105		-	-	*	
PCB-20	7.22e+06	1.12 y	27:19	1.33	65.4		-	-	*	Co-elute PCB 21/33
PCB-21	7.22e+06	1.12 y	27:19	1.33	65.4		-	-	*	Co-elute PCB 20/33
PCB-33	7.22e+06	1.12 y	27:19	1.33	65.4		-	-	*	Co-elute PCB 20/21
PCB-22	4.18e+06	1.16 y	27:43	1.46	34.7		-	-	*	
PCB-36	*	* n	NotFnd	1.33	*		2400	1130	0.495	
PCB-39	*	* n	NotFnd	1.33	*		2400	1130	0.497	
PCB-38	1.70e+05	1.10 y	29:29	1.43	1.44	J	-	-	*	
PCB-35	2.48e+05	1.11 y	30:03	1.29	2.33		-	-	*	
PCB-37	3.46e+06	1.03 y	30:30	1.35	31.1		-	-	*	
13C-PCB-37	8.06e+07	1.04 y	30:29	1.62	944					96.7

PCB-54	*	*	n	NotFnd	1.32	*		1490	2660	0.475	
PCB-50	*	*	n	NotFnd	1.02	*		1490	2660	0.612	
PCB-53	1.12e+06	0.74	y	27:22	0.99	18.6		-	-	*	
PCB-51	3.48e+05	0.73	y	27:40	1.02	5.59		-	-	*	
PCB-45	8.26e+05	0.85	y	28:06	0.86	15.7		-	-	*	
PCB-46	3.31e+05	0.69	y	28:34	0.83	6.56		-	-	*	
PCB-52	1.49e+07	0.78	y	29:00	1.08	227		-	-	*	Co-elute PCB 69
PCB-69	1.49e+07	0.78	y	29:00	1.08	227		-	-	*	Co-elute PCB 52
PCB-73	1.47e+05	0.83	y	29:06	1.22	1.97		-	-	*	
PCB-43	8.68e+06	0.79	y	29:17	0.91	157		-	-	*	Co-elute PCB 49
PCB-49	8.68e+06	0.79	y	29:17	0.91	157		-	-	*	Co-elute PCB 43
PCB-47	2.81e+06	0.78	y	29:29	0.92	50.0		-	-	*	
PCB-48	1.89e+06	0.72	y	29:36	1.20	25.7		-	-	*	Co-elute PCB 75
PCB-75	1.89e+06	0.72	y	29:36	1.20	25.7		-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*		1490	2660	0.510	
PCB-62	*	*	n	NotFnd	1.22	*		1490	2660	0.514	
PCB-44	6.34e+06	0.79	y	30:17	0.80	129		-	-	*	
PCB-42	2.53e+06	0.78	y	30:32	1.06	39.0		-	-	*	Co-elute PCB 59
PCB-59	2.53e+06	0.78	y	30:32	1.06	39.0		-	-	*	Co-elute PCB 42
PCB-72	6.28e+06	0.79	y	31:12	1.20	85.8		-	-	*	Co-elute PCB 41/71/64
PCB-41	6.28e+06	0.79	y	31:12	1.20	85.8		-	-	*	Co-elute PCB 72/71/64
PCB-71	6.28e+06	0.79	y	31:12	1.20	85.8		-	-	*	Co-elute PCB 72/41/64
PCB-64	6.28e+06	0.79	y	31:12	1.20	85.8		-	-	*	Co-elute PCB 72/41/71
PCB-68	1.62e+05	0.82	y	31:28	1.36	1.95		-	-	*	
PCB-40	6.79e+05	0.79	y	31:39	0.77	14.5		-	-	*	
PCB-57	8.95e+04	0.79	y	31:52	1.25	1.17	J	-	-	*	
PCB-67	4.63e+05	0.77	y	32:09	1.29	5.88		-	-	*	
PCB-58	9.90e+04	0.72	y	32:15	1.26	1.29	J	-	-	*	
PCB-63	5.28e+05	0.76	y	32:24	1.31	6.63		-	-	*	
PCB-74	5.71e+06	0.80	y	32:40	1.29	72.7		-	-	*	
PCB-61	1.49e+07	0.79	y	32:51	1.17	208		-	-	*	Co-elute PCB 70
PCB-70	1.49e+07	0.79	y	32:51	1.17	208		-	-	*	Co-elute PCB 61
PCB-76	1.26e+07	0.79	y	33:03	1.36	151		-	-	*	Co-elute PCB 66
PCB-66	1.26e+07	0.79	y	33:03	1.36	151		-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*		1490	2660	0.409	
PCB-55	2.79e+05	0.83	y	33:31	1.37	3.34		-	-	*	
13C-PCB-54	5.96e+07	0.81	y	25:37	1.25	902					92.5
PCB-104	*	*	n	NotFnd	1.16	*		724	644	0.326	
PCB-96	*	*	n	NotFnd	1.13	*		724	644	0.335	
PCB-103	3.78e+05	1.63	y	31:52	0.93	8.21		-	-	*	
PCB-100	1.20e+05	1.38	y	32:11	0.95	2.56		-	-	*	
PCB-94	9.25e+04	1.57	y	32:36	0.78	2.42		-	-	*	
PCB-98	*	*	n	NotFnd	0.88	*		724	644	0.430	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*		724	644	0.430	Co-elute PCB 98
PCB-95	1.50e+07	1.58	y	33:07	0.80	377		-	-	*	
PCB-93	*	*	n	NotFnd	0.76	*		724	644	0.503	
PCB-88	2.51e+06	1.55	y	33:29	0.90	56.6		-	-	*	Co-elute PCB 91
PCB-91	2.51e+06	1.55	y	33:29	0.90	56.6		-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*		724	644	0.350	
13C-PCB-104	4.82e+07	1.56	y	30:06	1.08	849					87.0
13C-PCB-28	1.01e+08	1.06	y	26:42	1.93	995					102
13C-PCB-52	5.14e+07	0.80	y	28:59	-	4.74					

PCB-56	7.40e+06	0.80	y	34:01	1.23	80.4		-	-	*	Co-elute PCB 60
PCB-60	7.40e+06	0.80	y	34:01	1.23	80.4		-	-	*	Co-elute PCB 56
PCB-79	5.27e+05	0.74	y	35:01	1.29	5.44		-	-	*	
PCB-78	*	*	n	NotFnd	1.27	*		1210	2100	0.451	
PCB-81	5.64e+05	0.77	y	36:12	1.38	5.63		-	-	*	
13C-PCB-81	7.11e+07	0.79	y	36:11	1.60	974					99.8
PCB-77	1.21e+06	0.76	y	36:46	1.18	13.4		-	-	*	
13C-PCB-77	7.47e+07	0.80	y	36:45	1.65	990					102
PCB-155	*	*	n	NotFnd	1.08	*		1340	664	0.319	
PCB-150	9.79e+04	1.30	y	35:28	1.06	1.55	J	-	-	*	
PCB-152	*	*	n	NotFnd	1.05	*		1340	664	0.329	
PCB-145	*	*	n	NotFnd	1.06	*		1340	664	0.327	
PCB-136	4.54e+06	1.23	y	36:38	1.09	70.2		-	-	*	
PCB-148	*	*	n	NotFnd	0.76	*		1340	664	0.454	
PCB-154	8.20e+05	1.24	y	37:12	0.92	15.0		-	-	*	
13C-PCB-155	5.80e+07	1.28	y	34:15	1.30	975					99.9
13C-PCB-111	5.37e+07	1.60	y	36:20	1.25	940					96.4
13C-PCB-101	4.45e+07	1.59	y	34:41	-	4.40					
PCB-84	8.82e+06	1.54	y	34:21	0.71	189		-	-	*	Co-elute PCB 92
PCB-92	8.82e+06	1.54	y	34:21	0.71	189		-	-	*	Co-elute PCB 84
PCB-89	1.77e+05	1.47	y	34:32	0.71	3.78		-	-	*	
PCB-90	2.42e+07	1.57	y	34:42	0.82	451		-	-	*	Co-elute PCB 101
PCB-101	2.42e+07	1.57	y	34:42	0.82	451		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*		1290	1000	0.460	
PCB-99	1.20e+07	1.54	y	35:01	0.87	210		-	-	*	
PCB-119	1.19e+06	1.54	y	35:27	1.02	17.8		-	-	*	
PCB-83	1.11e+06	1.53	y	35:37	0.83	20.3		-	-	*	Co-elute PCB 112
PCB-112	1.11e+06	1.53	y	35:37	0.83	20.3		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*		1290	1000	0.428	
PCB-97	5.72e+06	1.55	y	35:56	0.68	127		-	-	*	
PCB-86	*	*	n	NotFnd	0.78	*		1290	1000	0.551	
PCB-125	7.78e+06	1.54	y	36:12	0.91	130		-	-	*	Co-elute PCB 87/117
PCB-87	7.78e+06	1.54	y	36:12	0.91	130		-	-	*	Co-elute PCB 125/117
PCB-117	7.78e+06	1.54	y	36:12	0.91	130		-	-	*	Co-elute PCB 125/87
PCB-111	3.53e+05	1.56	y	36:21	1.06	5.08		-	-	*	Co-elute PCB 115
PCB-115	3.53e+05	1.56	y	36:21	1.06	5.08		-	-	*	Co-elute PCB 111
PCB-85	3.30e+06	1.55	y	36:27	0.90	55.9		-	-	*	Co-elute PCB 116
PCB-116	3.30e+06	1.55	y	36:27	0.90	55.9		-	-	*	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*		1290	1000	0.404	
PCB-110	2.82e+07	1.58	y	36:50	1.08	398		-	-	*	
PCB-82	1.72e+06	1.56	y	37:26	0.63	41.6		-	-	*	
PCB-124	1.07e+06	1.65	y	38:05	1.23	13.3		-	-	*	
PCB-108	2.41e+06	1.60	y	38:15	1.29	28.3		-	-	*	Co-elute PCB 107
PCB-107	2.41e+06	1.60	y	38:15	1.29	28.3		-	-	*	Co-elute PCB 108
PCB-123	4.54e+05	1.70	y	38:23	1.17	6.14		-	-	*	
13C-PCB-123	6.16e+07	1.58	y	38:21	1.35	1010					104
PCB-118	2.76e+07	1.58	y	38:34	1.22	330		-	-	*	Co-elute PCB 106
PCB-106	2.76e+07	1.58	y	38:34	1.22	330		-	-	*	Co-elute PCB 118
13C-PCB-118	6.66e+07	1.62	y	38:33	1.49	994					102
PCB-114	7.29e+05	1.52	y	39:11	1.22	9.04		-	-	*	
13C-PCB-114	6.46e+07	1.59	y	39:09	1.43	1010					103
PCB-122	3.13e+05	1.44	y	39:19	1.33	3.59		-	-	*	
PCB-105	9.44e+06	1.53	y	40:00	1.29	112		-	-	*	
13C-PCB-105	6.38e+07	1.60	y	39:58	1.42	1000					103

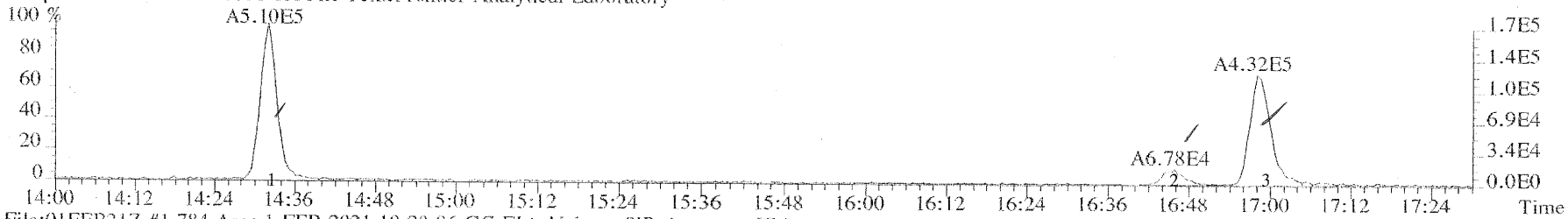
PCB-127	*	*	n	NotFnd	1.18	*		1560	1230	0.444		
PCB-126	1.27e+05	1.43	y	42:07	1.25	1.64	J	-	-	*		
13C-PCB-126	6.03e+07	1.63	y	42:07	1.29	1030					106	
PCB-151	6.53e+06	1.26	y	37:48	1.00	127		-	-	*		
PCB-135	3.64e+06	1.24	y	38:01	1.05	66.9		-	-	*		
PCB-144	1.32e+06	1.28	y	38:08	1.02	25.0		-	-	*		
PCB-147	5.64e+05	1.38	y	38:15	1.10	9.85		-	-	*		
PCB-139	2.41e+07	1.28	y	38:29	1.10	422		-	-	*	Co-elute PCB 149	
PCB-149	2.41e+07	1.28	y	38:29	1.10	422		-	-	*	Co-elute PCB 139	
PCB-140	3.44e+05	1.15	y	38:41	1.08	6.13		-	-	*		
PCB-143	1.28e+06	1.26	y	39:06	0.90	27.3		-	-	*	Co-elute PCB 134	
PCB-134	1.28e+06	1.26	y	39:06	0.90	27.3		-	-	*	Co-elute PCB 143	
PCB-131	8.55e+05	1.20	y	39:22	0.90	18.3		-	-	*	Co-elute PCB 133	
PCB-133	8.55e+05	1.20	y	39:22	0.90	18.3		-	-	*	Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.92	*		1300	1110	0.643		
PCB-165	5.96e+06	1.24	y	39:44	1.20	96.2		-	-	*	Co-elute PCB 146	
PCB-146	5.96e+06	1.24	y	39:44	1.20	96.2		-	-	*	Co-elute PCB 165	
PCB-161	8.01e+06	1.26	y	40:00	1.14	136		-	-	*	Co-elute PCB 132	
PCB-132	8.01e+06	1.26	y	40:00	1.14	136		-	-	*	Co-elute PCB 161	
PCB-153	3.24e+07	1.27	y	40:07	1.21	519		-	-	*		
PCB-168	*	*	n	NotFnd	1.33	*		1300	1110	0.444		
PCB-141	4.29e+06	1.23	y	40:49	1.01	81.8		-	-	*		
PCB-137	1.11e+06	1.19	y	41:11	0.96	22.4		-	-	*		
PCB-130	1.68e+06	1.27	y	41:17	0.95	34.3		-	-	*		
PCB-138	3.07e+07	1.25	y	41:37	1.21	491		-	-	*	Co-elute PCB 163/164	
PCB-163	3.07e+07	1.25	y	41:37	1.21	491		-	-	*	Co-elute PCB 138/164	
PCB-164	3.07e+07	1.25	y	41:37	1.21	491		-	-	*	Co-elute PCB 138/163	
PCB-158	3.66e+06	1.25	y	41:50	1.34	52.6		-	-	*	Co-elute PCB 160	
PCB-160	3.66e+06	1.25	y	41:50	1.34	52.6		-	-	*	Co-elute PCB 158	
PCB-129	9.08e+05	1.22	y	42:05	0.89	19.7		-	-	*		
PCB-166	1.04e+05	1.26	y	42:33	1.31	1.53	J	-	-	*		
PCB-159	4.92e+05	1.27	y	42:53	1.38	6.89		-	-	*		
PCB-128	4.15e+06	1.28	y	43:06	1.13	70.7		-	-	*	Co-elute PCB 162	
PCB-162	4.15e+06	1.28	y	43:06	1.13	70.7		-	-	*	Co-elute PCB 128	
PCB-167	1.13e+06	1.22	y	43:29	1.24	17.3		-	-	*		
13C-PCB-167	5.18e+07	1.28	y	43:27	1.16	995					102	
PCB-156	2.99e+06	1.26	y	44:43	1.29	46.0		-	-	*		
13C-PCB-156	4.92e+07	1.28	y	44:41	1.12	978					100	
PCB-157	6.07e+05	1.32	y	44:58	1.24	9.18		-	-	*		
13C-PCB-157	5.20e+07	1.30	y	44:58	1.15	1000					102	
PCB-169	*	*	n	NotFnd	1.17	*		1300	1110	0.502		
13C-PCB-169	4.93e+07	1.29	y	46:50	1.08	1010					103	

FAL ID: 13559-001-0001-SA Filename: 01FEB21Z Sam:4 Acquired: 1-FEB-21 10:30:06 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR-A-CORE ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 13559 GC Column: DB1MS Amount: 10.25

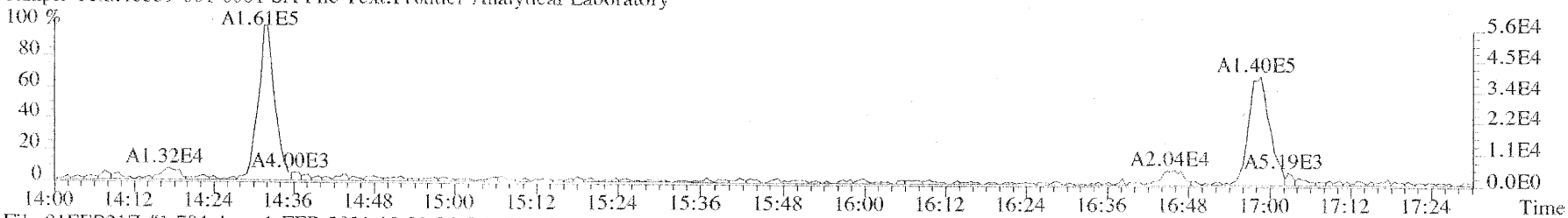
PCB-188	*	*	n	NotFnd	1.12	*	1560	1260	0.555	
13C-PCB-188	4.89e+07	1.05	y	39:44	1.17	931				95.4
PCB-184	*	*	n	NotFnd	1.25	*	1560	1260	0.487	
PCB-179	4.13e+06	1.02	y	40:54	1.18	74.8	-	-	*	
PCB-176	1.32e+06	1.05	y	41:22	1.16	24.5	-	-	*	
PCB-186	*	*	n	NotFnd	1.17	*	1560	1260	0.519	
PCB-178	1.47e+06	1.08	y	42:23	0.84	37.7	-	-	*	
PCB-175	3.04e+05	1.15	y	42:43	0.86	7.57	-	-	*	
PCB-187	1.01e+07	1.05	y	42:53	0.95	227	-	-	*	Co-elute PCB 182
PCB-182	1.01e+07	1.05	y	42:53	0.95	227	-	-	*	Co-elute PCB 187
PCB-183	4.64e+06	1.03	y	43:11	0.94	106	-	-	*	
PCB-185	7.16e+05	1.06	y	43:49	0.86	17.9	-	-	*	
PCB-174	6.44e+06	1.04	y	44:10	0.86	160	-	-	*	
PCB-181	*	*	n	NotFnd	0.87	*	1560	1260	0.704	
PCB-177	3.97e+06	1.07	y	44:25	0.80	107	-	-	*	
PCB-171	1.84e+06	1.00	y	44:41	0.84	46.8	-	-	*	
PCB-173	1.33e+05	1.15	y	45:08	0.77	3.72	-	-	*	
PCB-172	1.04e+06	0.99	y	45:29	0.80	28.1	-	-	*	
PCB-192	*	*	n	NotFnd	1.06	*	1560	1260	0.577	
PCB-180	1.51e+07	1.04	y	45:51	0.82	392	-	-	*	
PCB-193	1.19e+06	1.08	y	46:00	1.13	22.6	-	-	*	
PCB-191	3.96e+05	1.01	y	46:14	1.09	7.76	-	-	*	
PCB-170	5.59e+06	1.07	y	47:08	0.78	153	-	-	*	
PCB-190	1.72e+06	1.02	y	47:18	1.05	35.0	-	-	*	
PCB-189	2.79e+05	1.03	y	48:30	1.08	5.97	-	-	*	
13C-PCB-189	4.20e+07	1.07	y	48:29	1.00	932				95.5
PCB-202	9.73e+05	0.90	y	44:53	1.09	21.6	-	-	*	
PCB-201	7.29e+05	0.86	y	45:19	1.15	15.3	-	-	*	
PCB-204	*	*	n	NotFnd	1.16	*	724	1560	0.509	
PCB-197	2.38e+05	0.86	y	45:44	1.18	4.85	-	-	*	
PCB-200	6.19e+05	0.93	y	46:28	1.18	12.7	-	-	*	
PCB-198	1.70e+05	1.02	y	47:39	0.84	4.88	-	-	*	
PCB-199	3.66e+06	0.90	y	47:44	0.82	108	-	-	*	
PCB-203	4.57e+06	0.94	y	47:59	0.90	123	-	-	*	Co-elute PCB 196
PCB-196	4.57e+06	0.94	y	47:59	0.90	123	-	-	*	Co-elute PCB 203
13C-PCB-202	4.04e+07	0.90	y	44:51	0.98	918				94.1
13C-PCB-178	3.49e+07	1.08	y	42:23	0.83	933				95.7
13C-PCB-138	4.39e+07	1.28	y	41:35	-	4.16				
PCB-195	1.78e+06	0.91	y	49:05	0.97	38.5	-	-	*	
PCB-194	4.42e+06	0.91	y	49:53	1.00	92.8	-	-	*	
PCB-205	3.20e+05	0.84	y	50:08	1.22	5.53	-	-	*	
13C-PCB-205	4.63e+07	0.91	y	50:07	1.28	994				102
PCB-208	6.35e+05	1.37	y	49:12	1.13	13.0	-	-	*	
13C-PCB-208	4.23e+07	0.80	y	49:10	1.23	946				97.0
PCB-207	3.07e+05	1.40	y	49:30	1.32	6.39	-	-	*	
PCB-206	1.67e+06	1.30	y	51:20	1.15	49.0	-	-	*	
13C-PCB-206	2.89e+07	0.80	y	51:19	0.89	901				92.3
PCB-209	1.11e+06	1.23	y	52:31	1.20	27.9	-	-	*	
13C-PCB-209	3.25e+07	1.20	y	52:31	1.03	872				89.3
13C-PCB-194	3.54e+07	0.91	y	49:52	-	3.88				

Analyst: [illegible] Date: 2/8/21

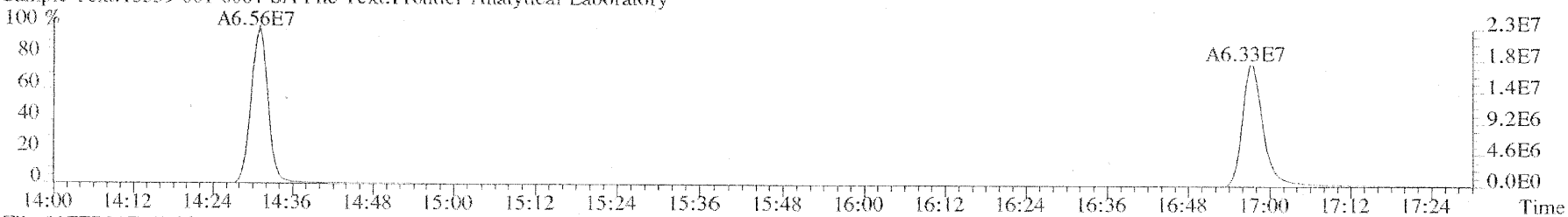
File:01FEB21Z #1-784 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



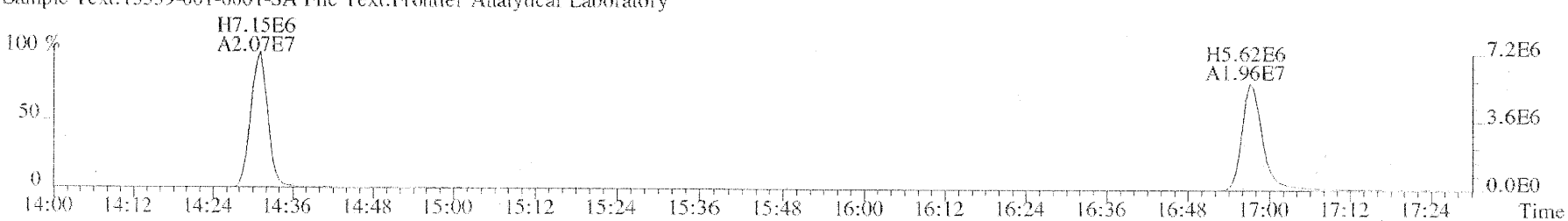
File:01FEB21Z #1-784 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



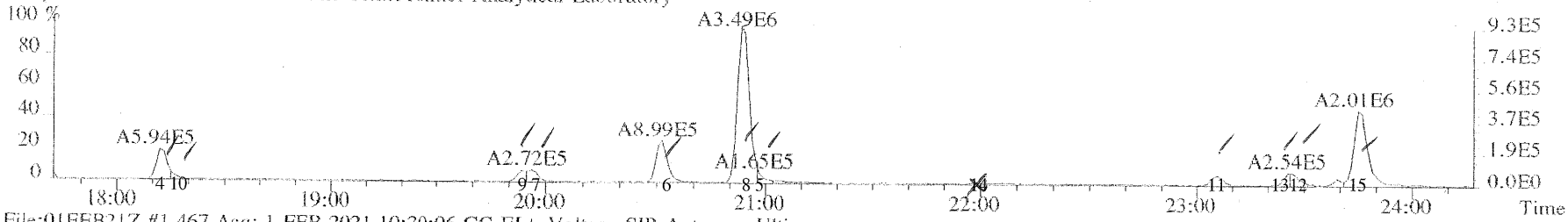
File:01FEB21Z #1-784 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



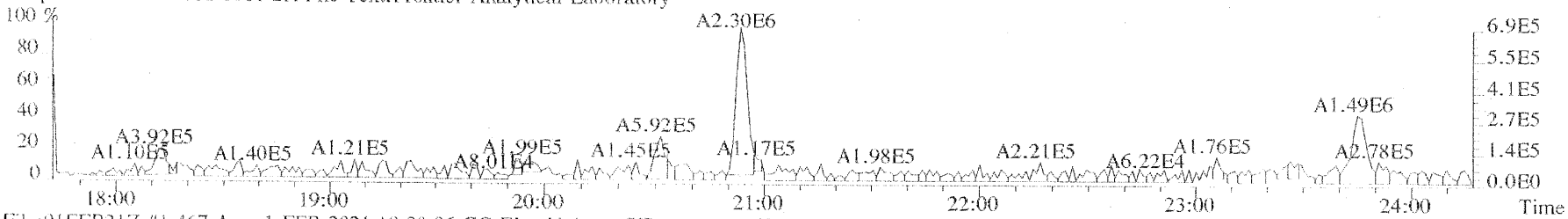
File:01FEB21Z #1-784 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



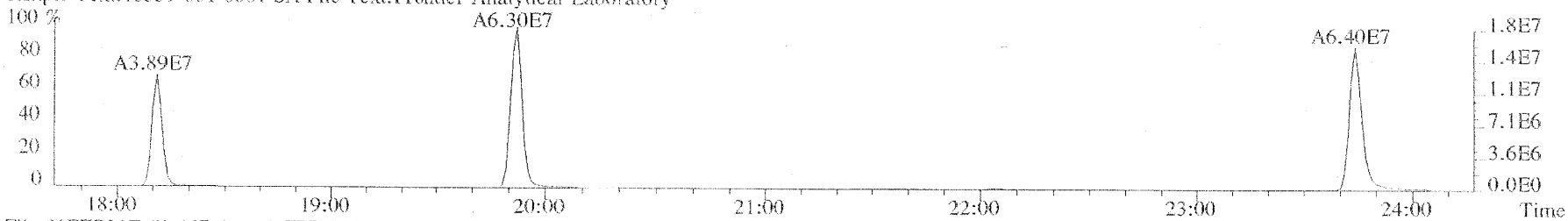
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



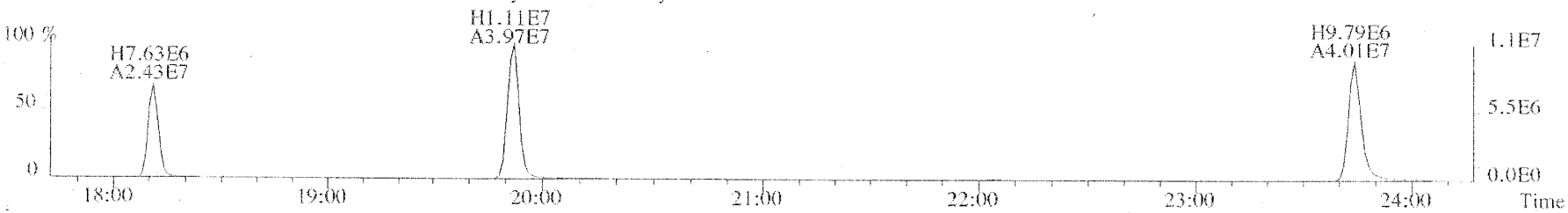
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



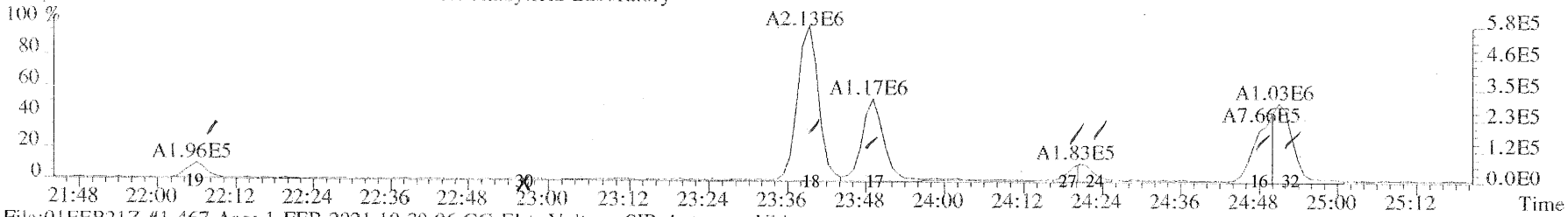
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



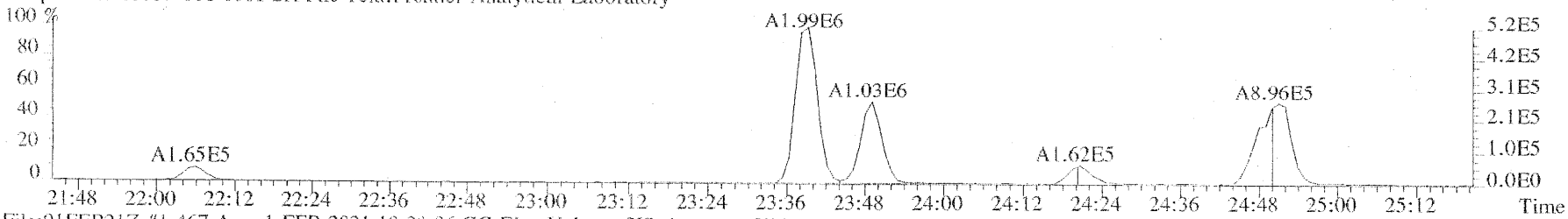
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



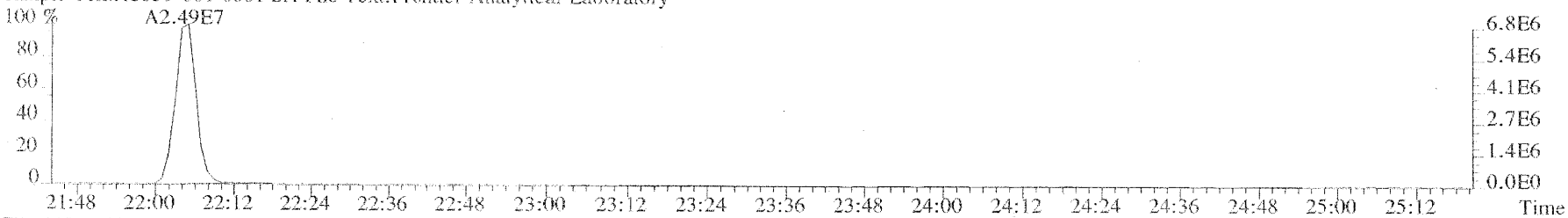
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



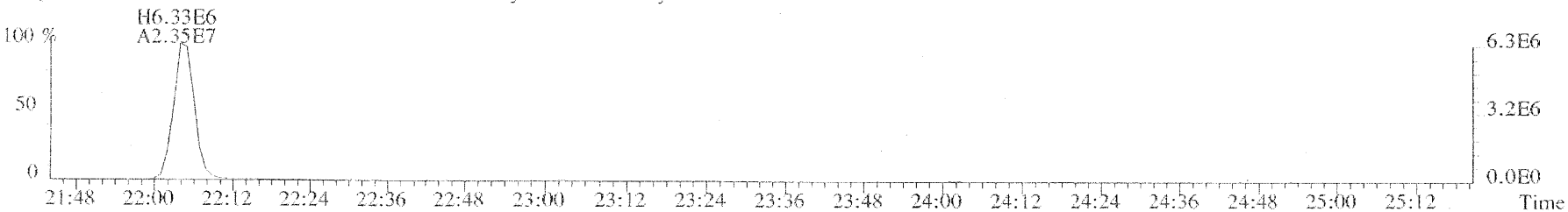
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



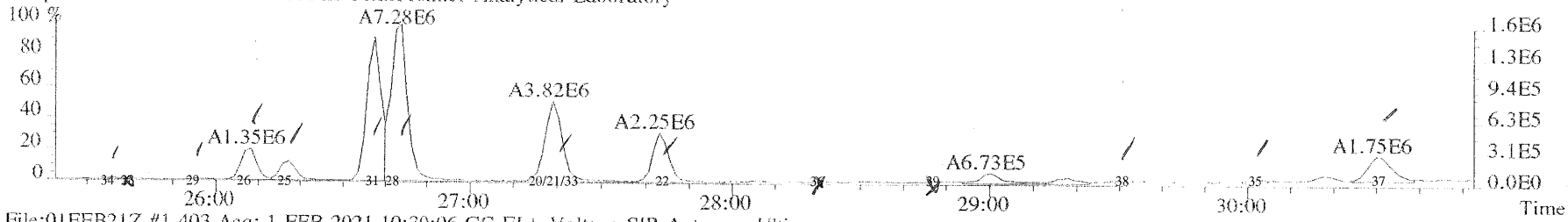
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



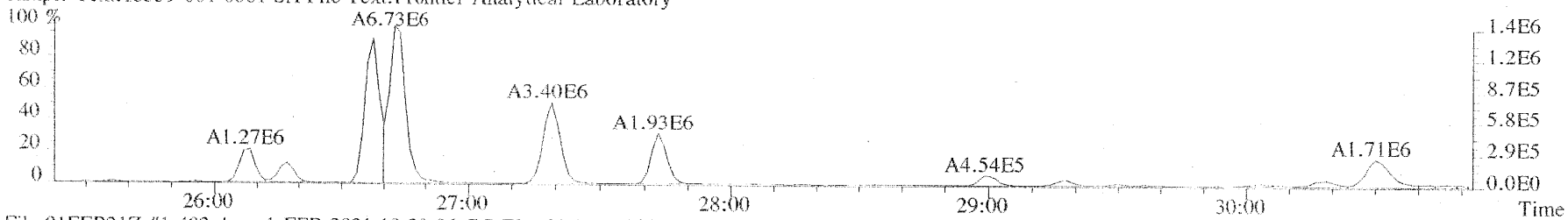
File:01FEB21Z #1-467 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



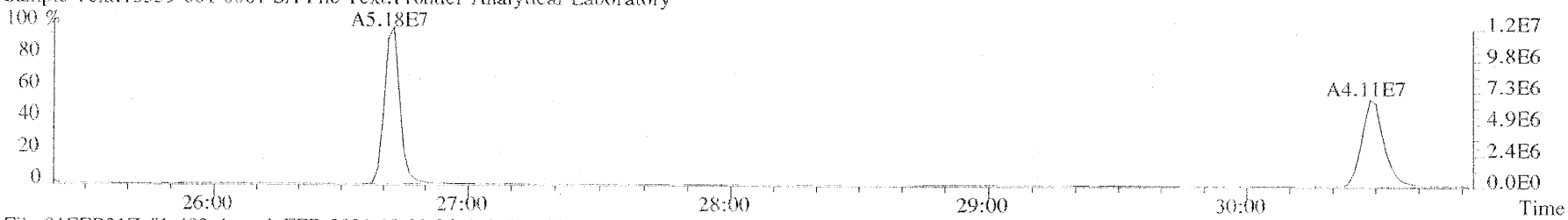
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



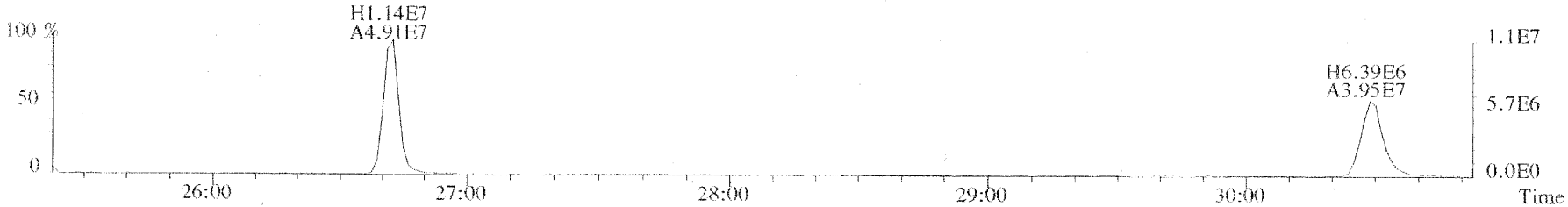
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



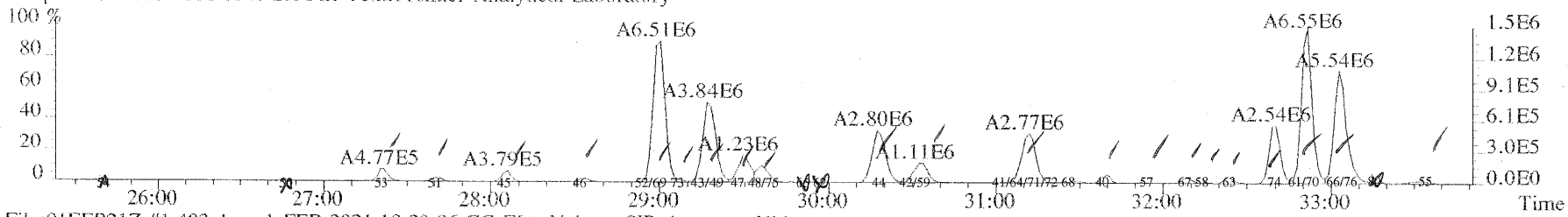
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



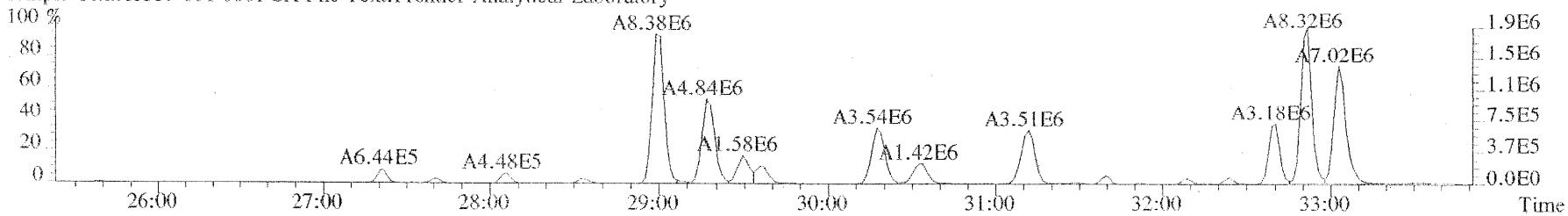
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



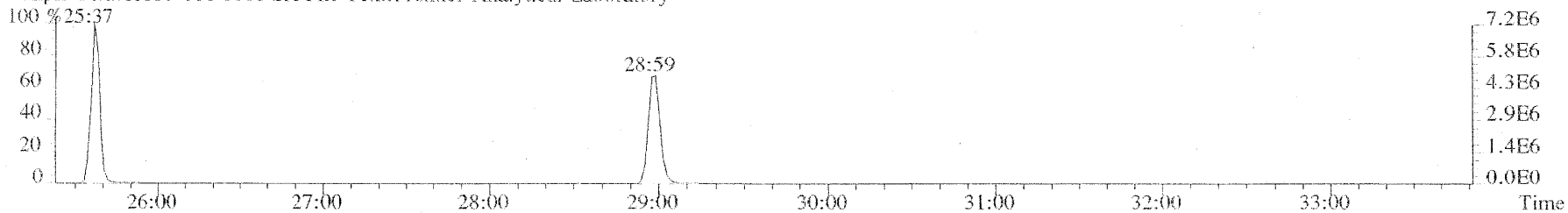
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



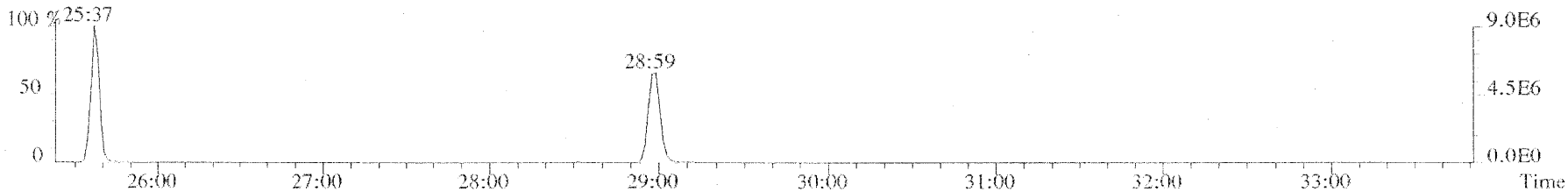
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



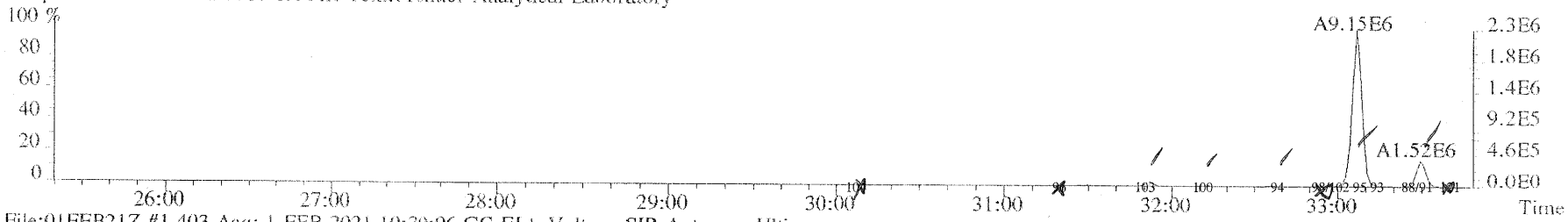
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



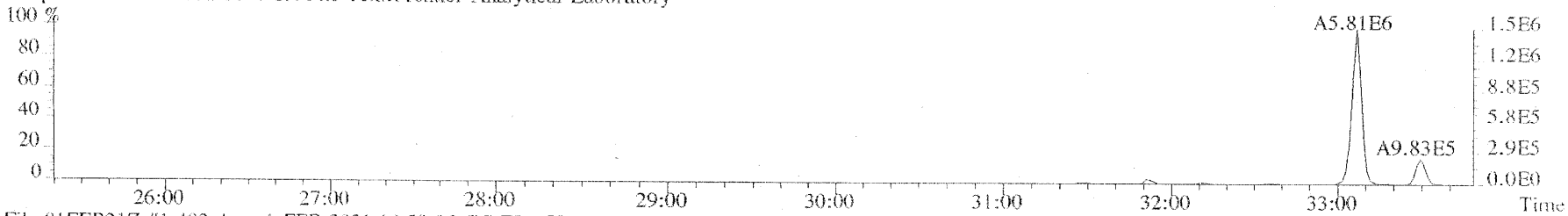
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



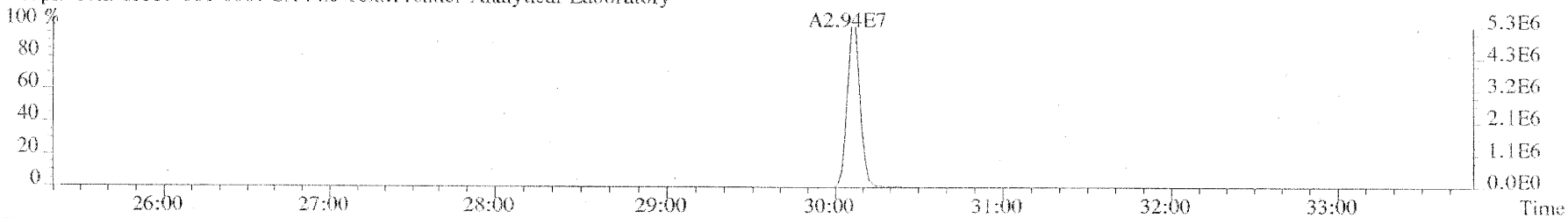
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



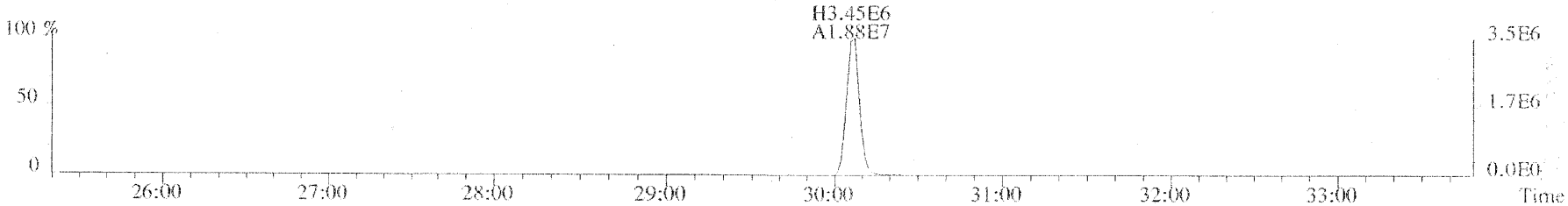
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



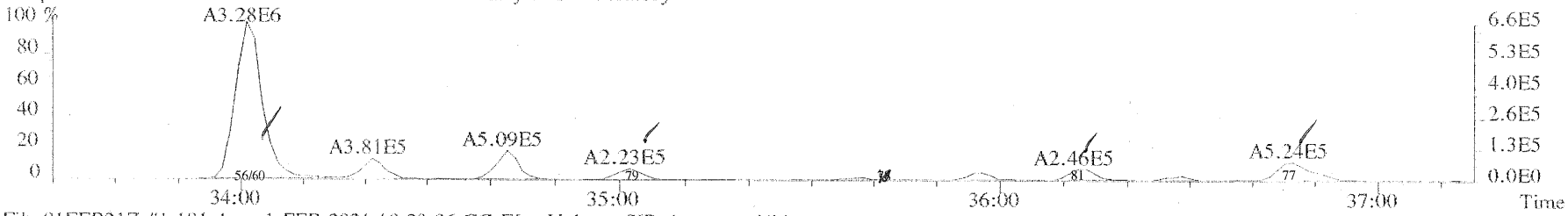
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



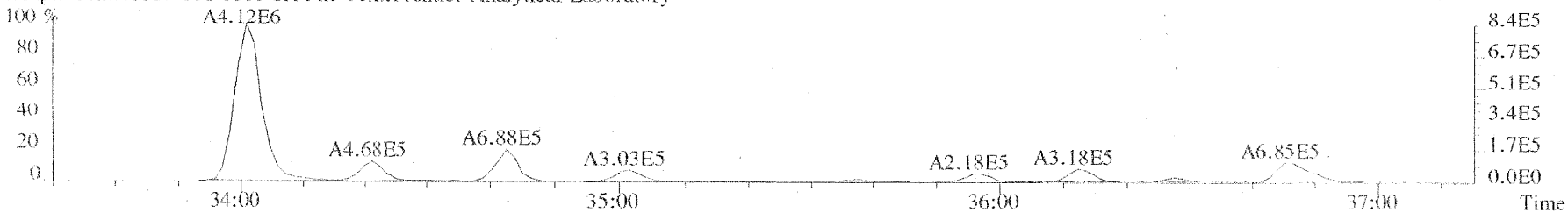
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 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:13559-001-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 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:13559-001-0001-SA File Text:Frontier Analytical Laboratory



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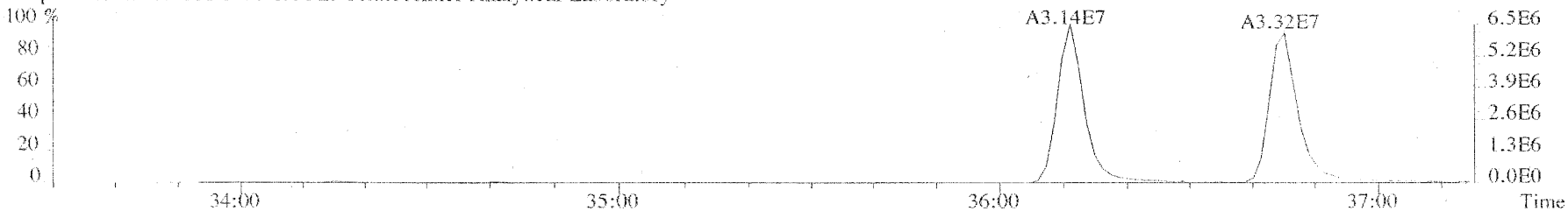
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



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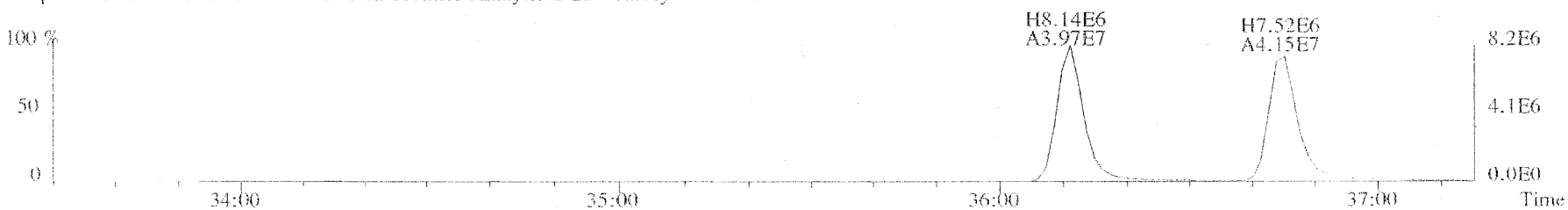
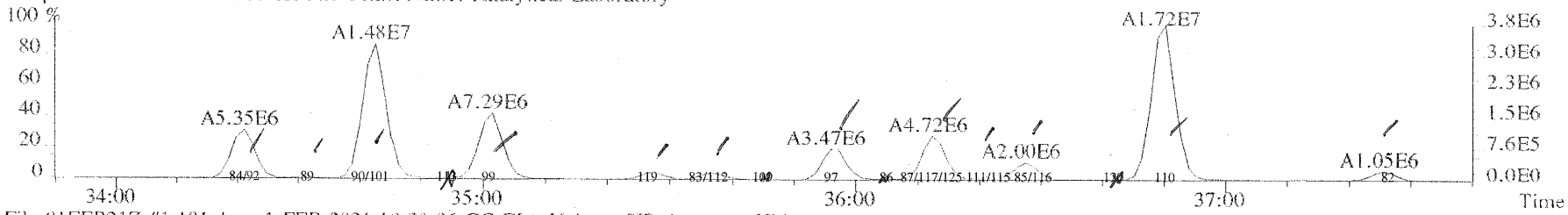
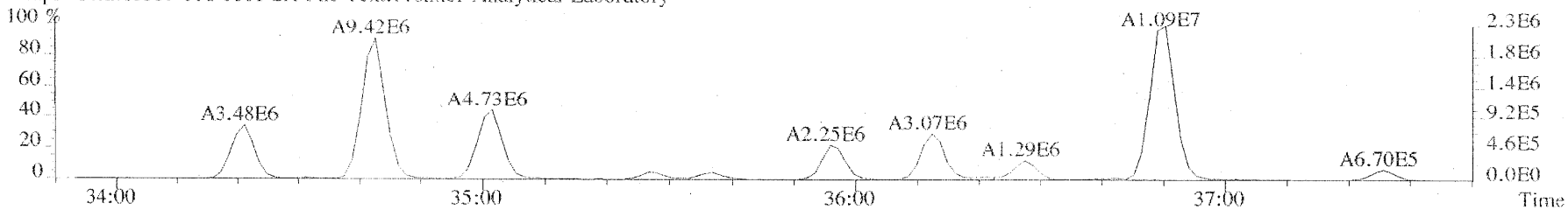
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



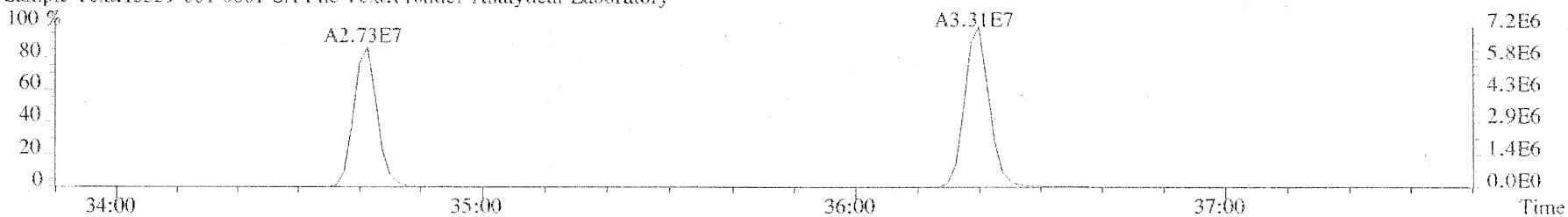
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



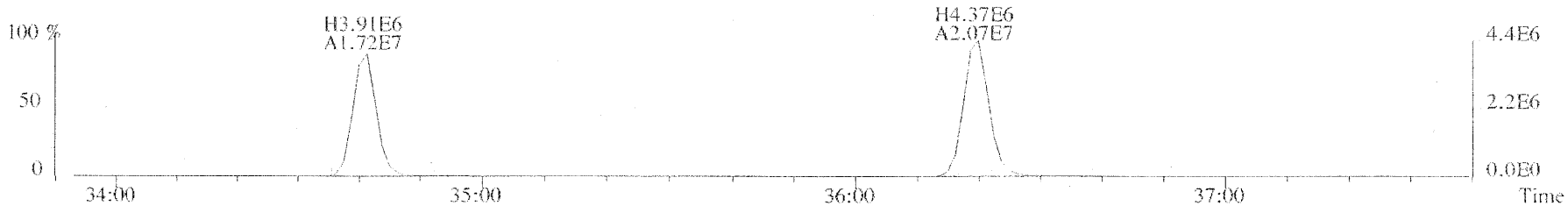
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



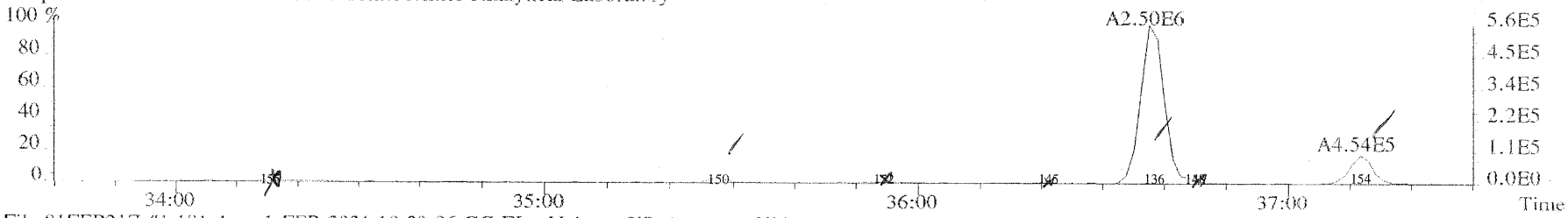
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



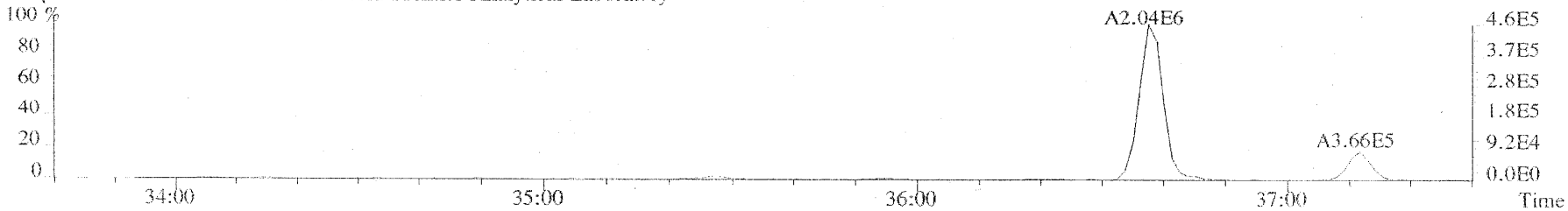
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



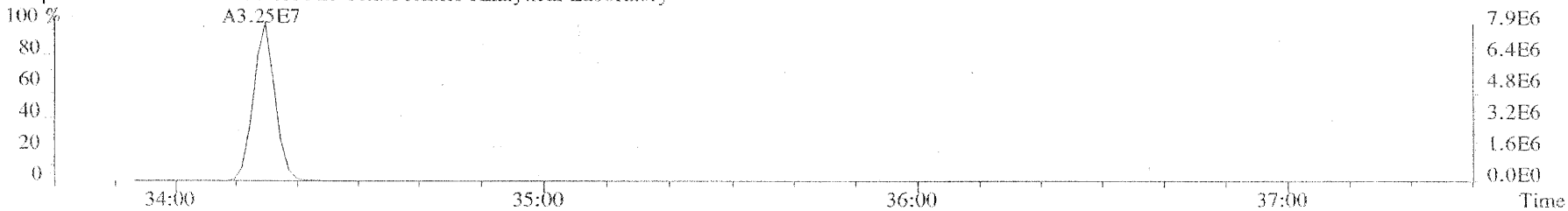
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



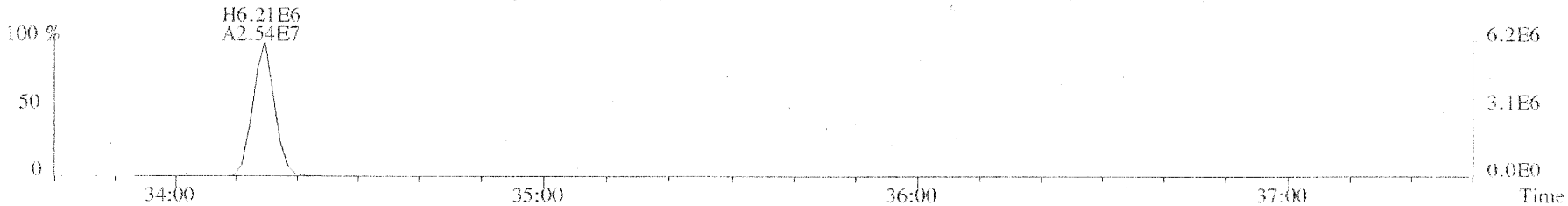
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



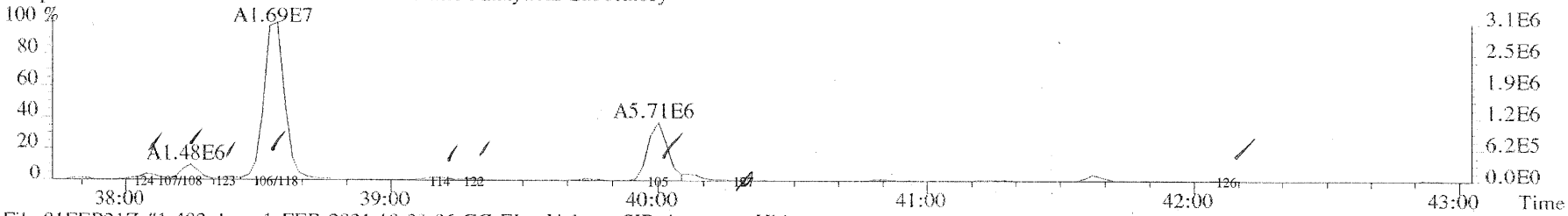
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



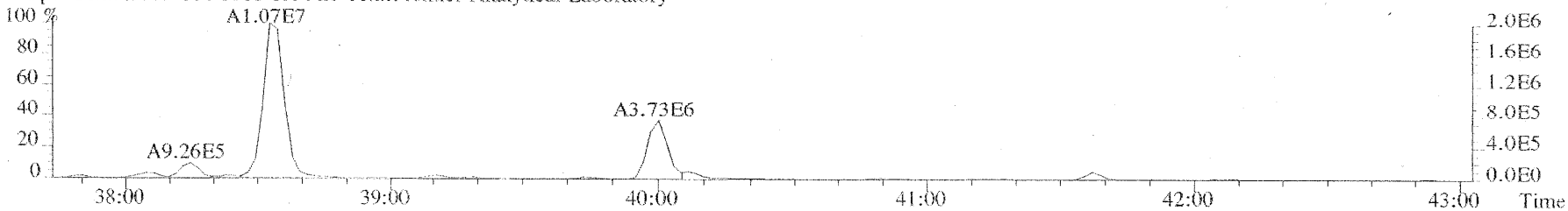
File:01FEB21Z #1-181 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



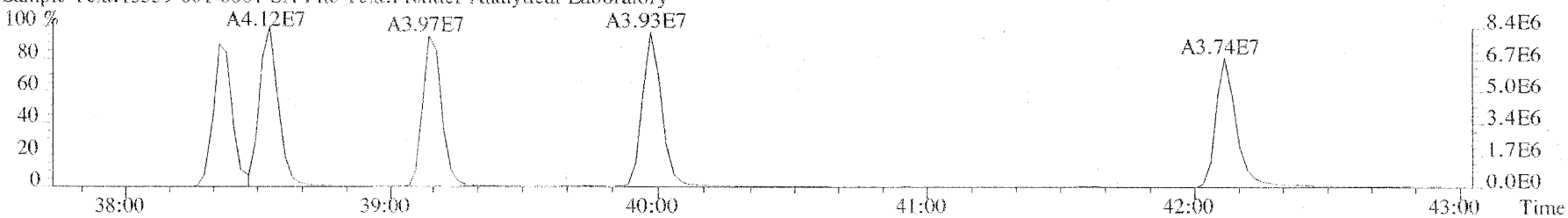
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



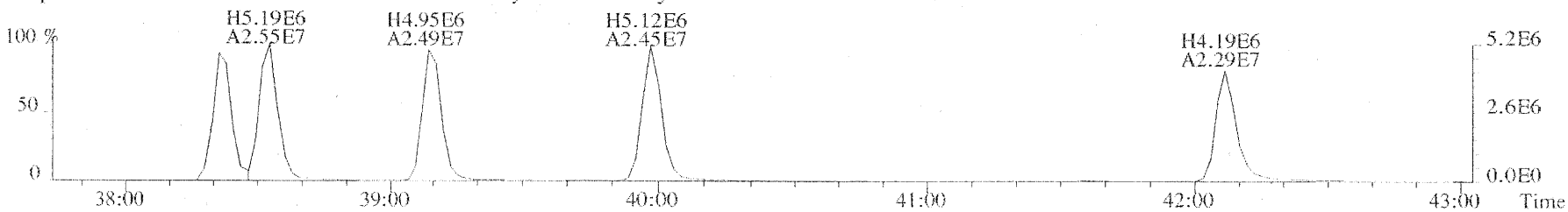
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



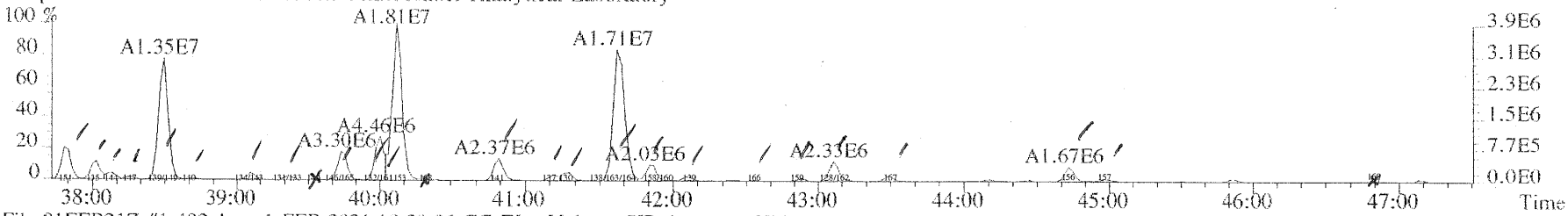
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



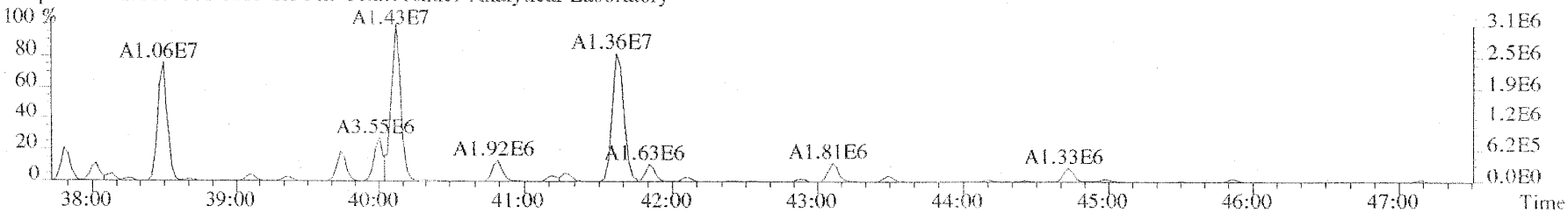
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



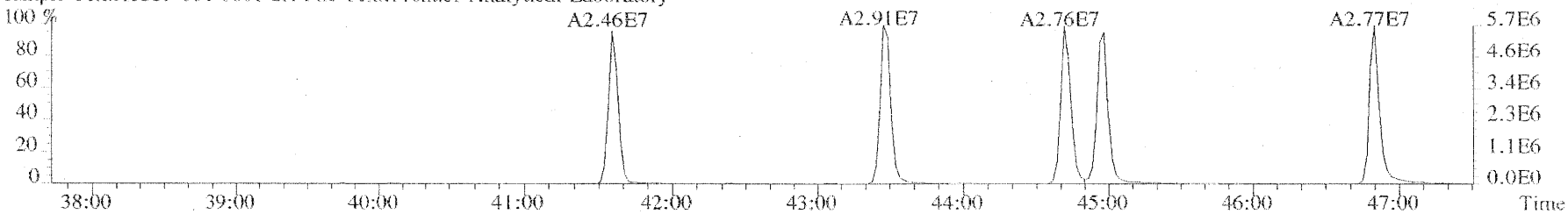
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



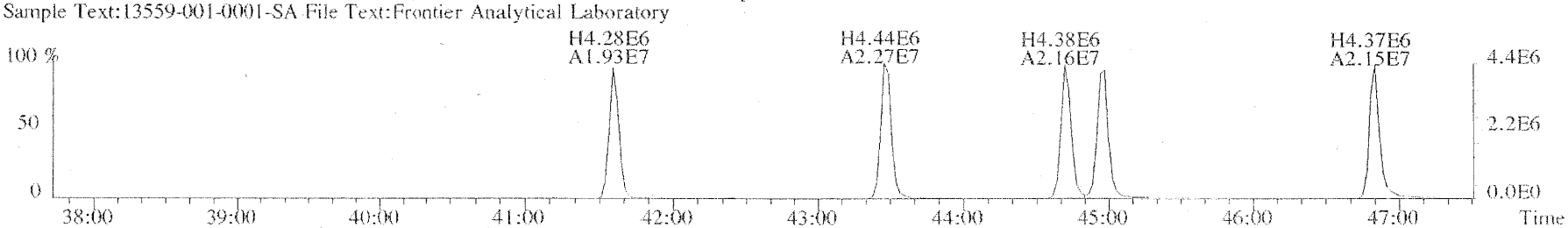
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



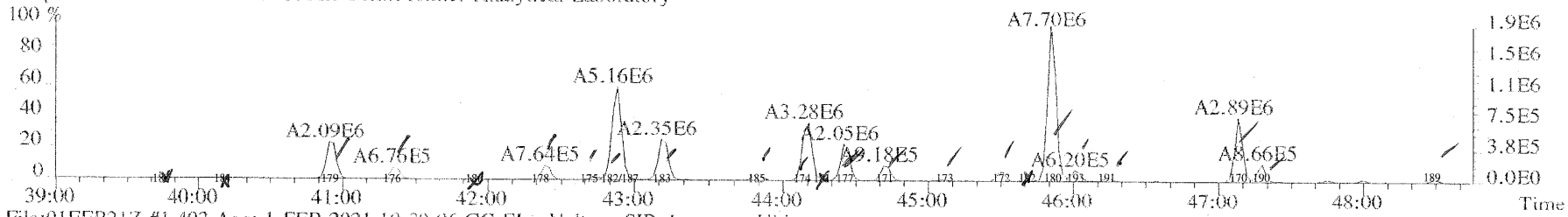
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



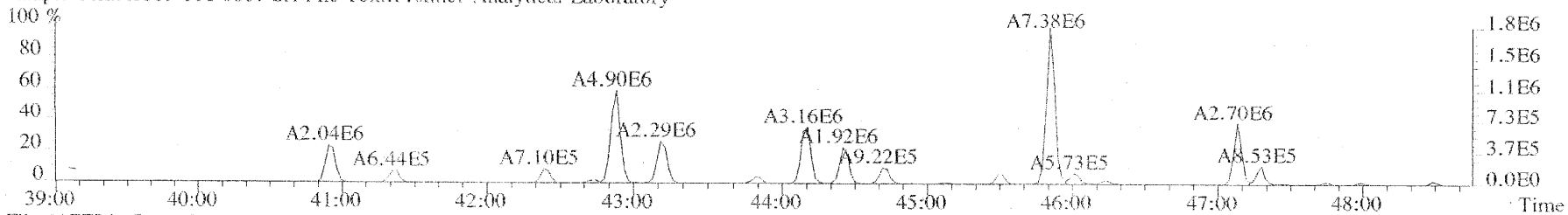
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



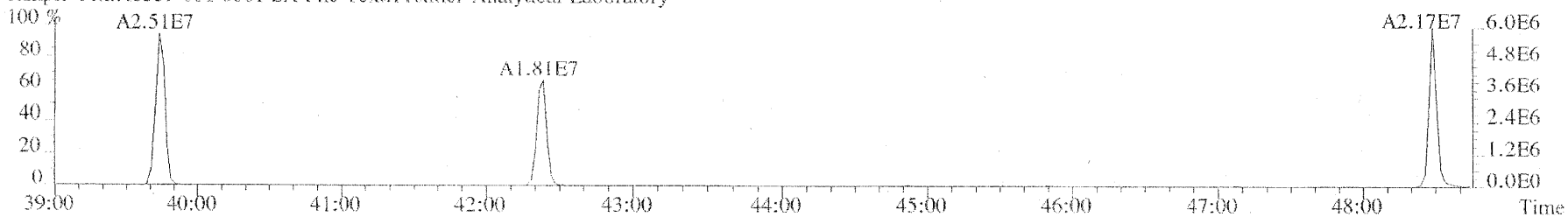
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



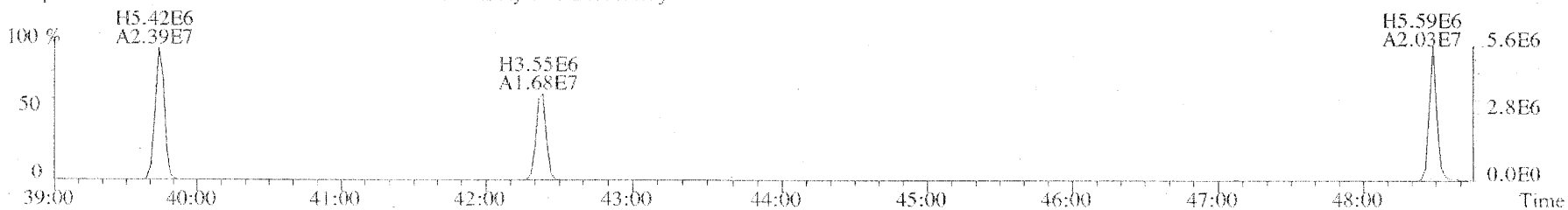
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



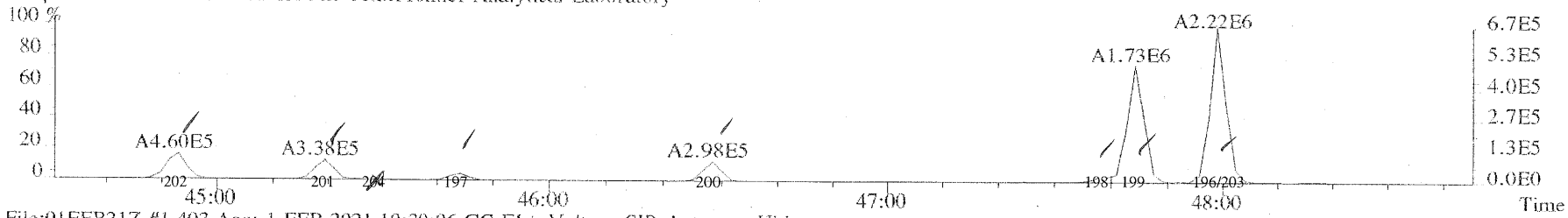
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



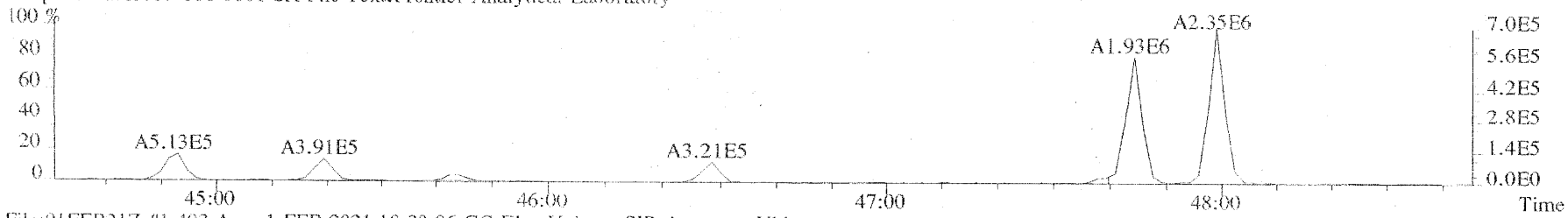
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



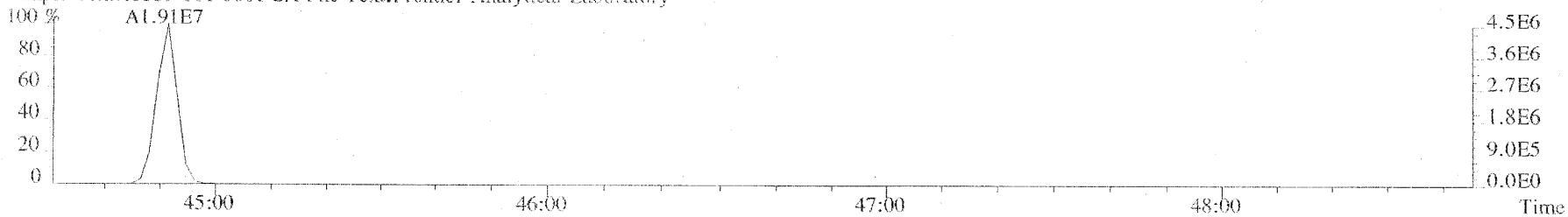
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



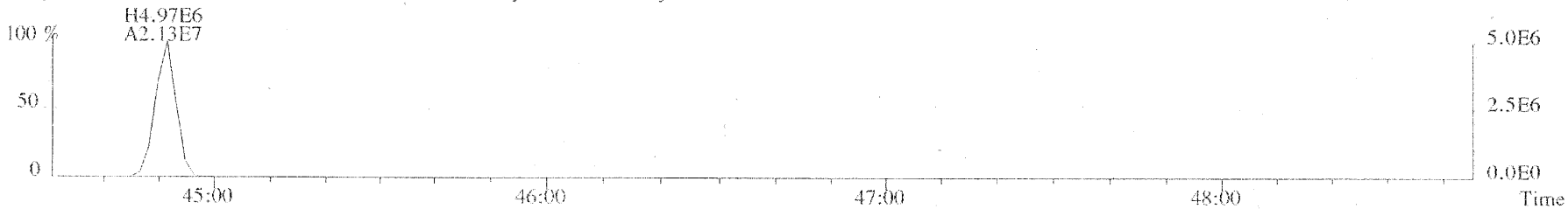
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



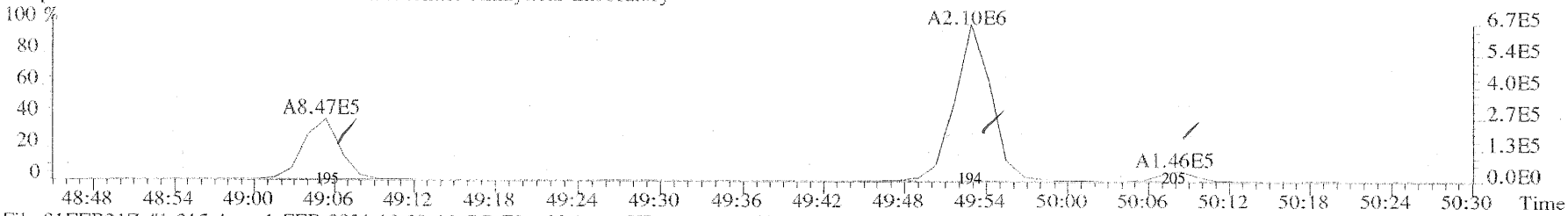
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



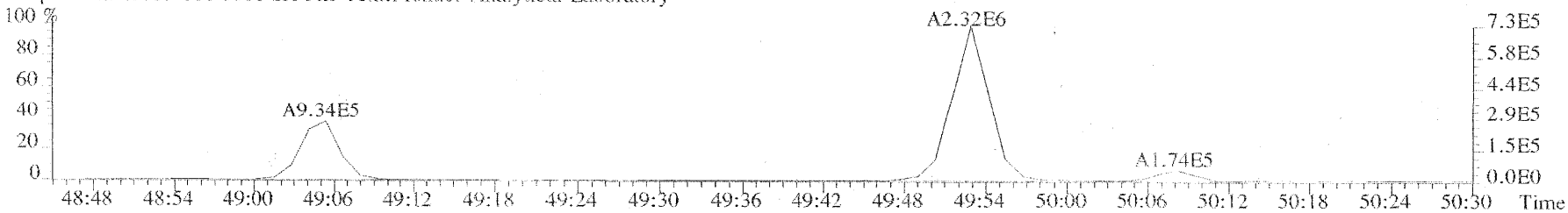
File:01FEB21Z #1-403 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



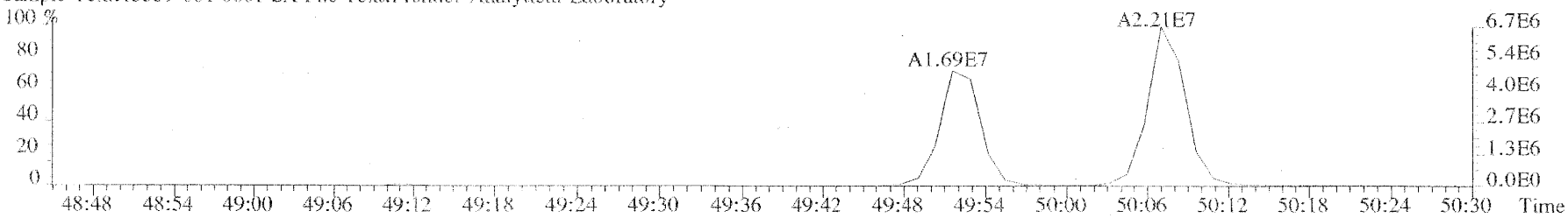
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



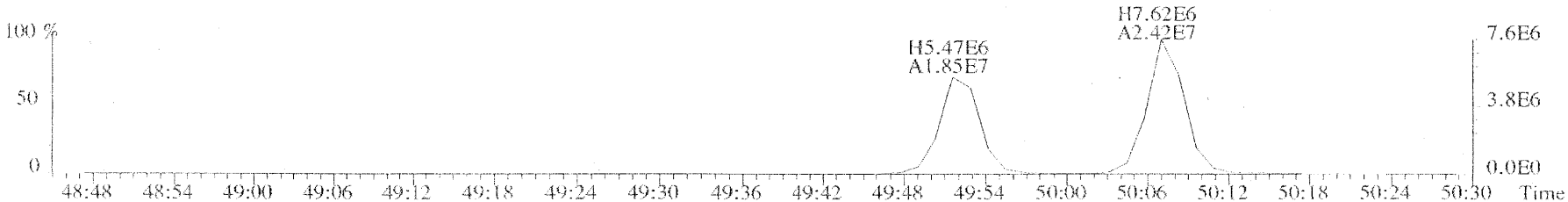
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



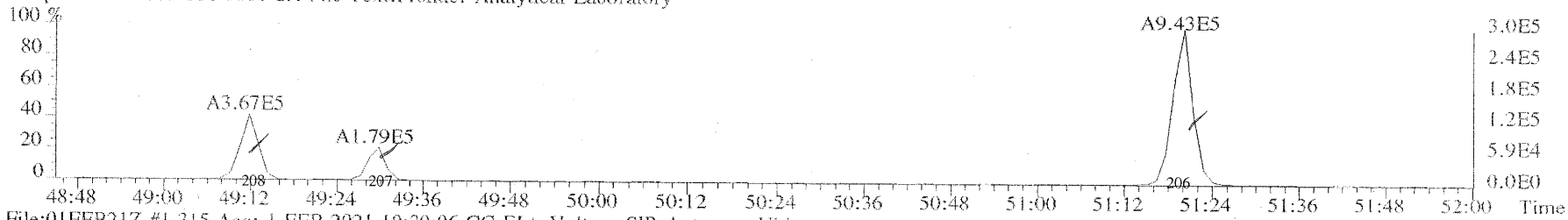
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



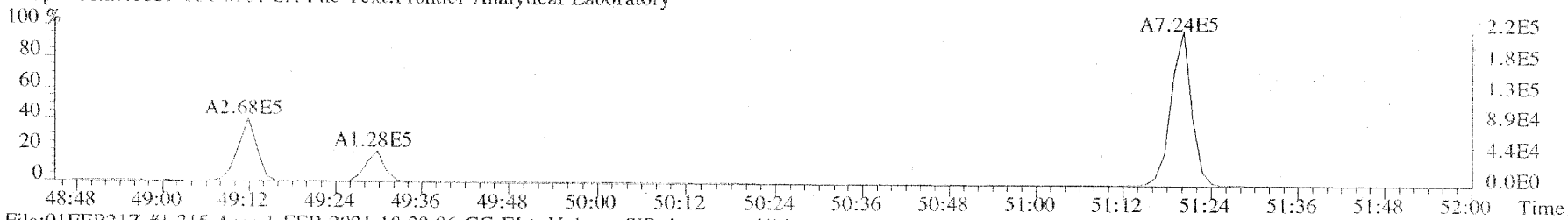
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



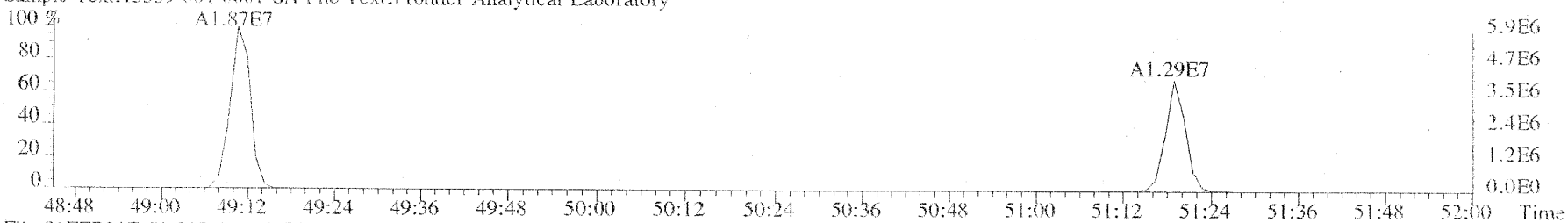
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



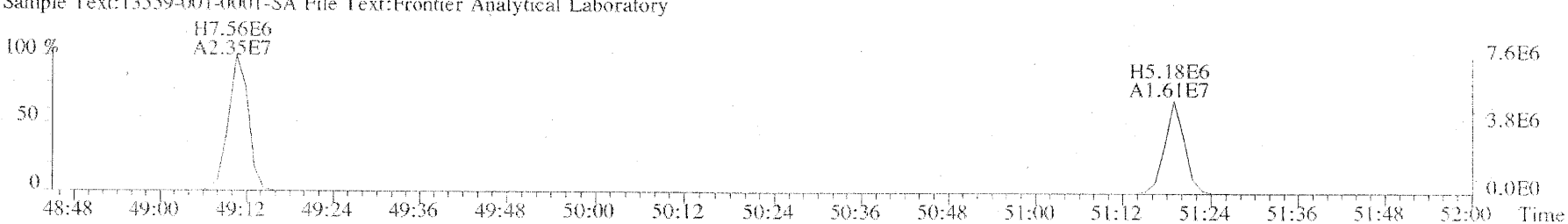
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



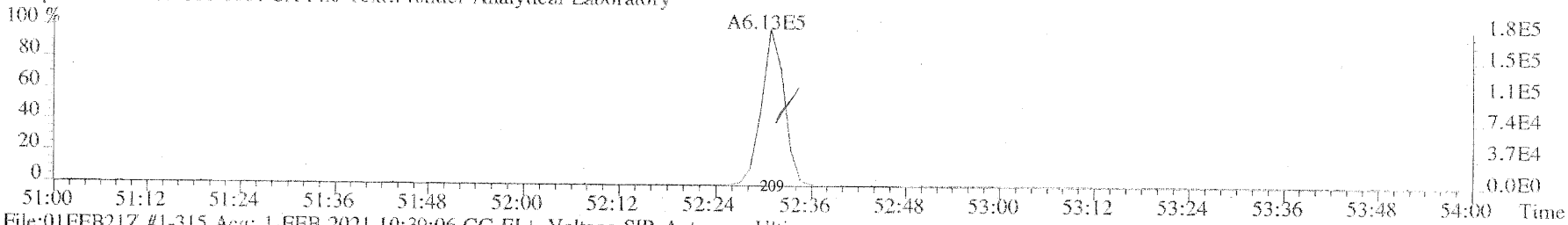
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



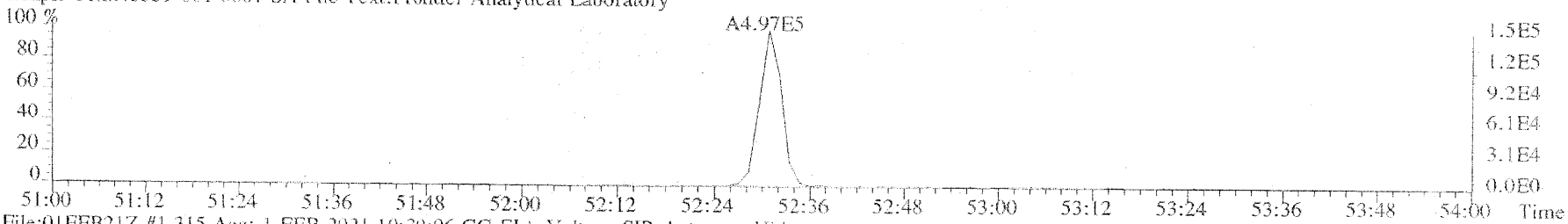
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



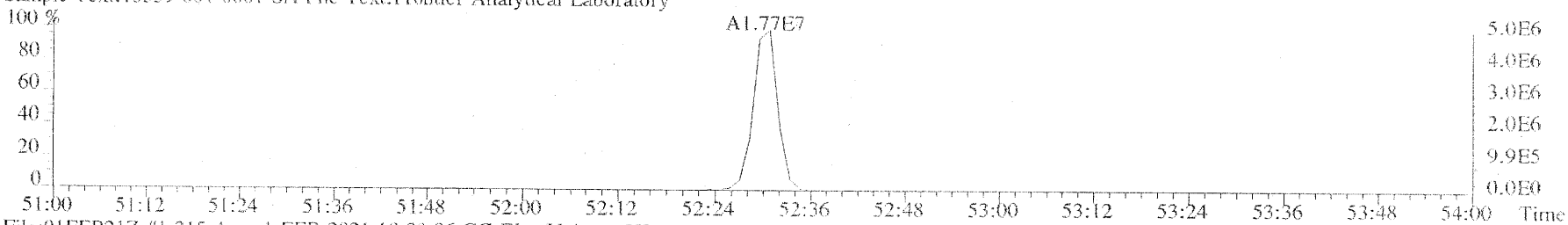
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



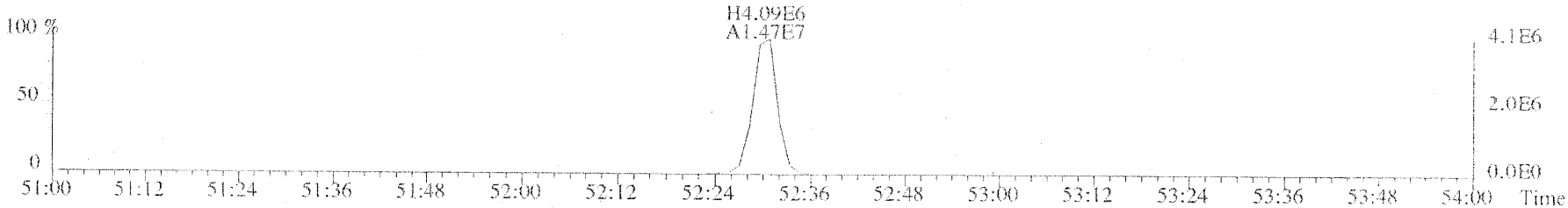
File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-001-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 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:13559-001-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 10:30:06 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:13559-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13559-002-0001-SA Filename: 01FEB21Z Sam:5 Acquired: 1-FEB-21 11:28:27 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR-B-CORE ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 13559 GC Column: DB1MS Amount: 8.820

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	
PCB-1	3.53e+06	3.07 y	14:32	1.24	43.9		-	-	*		
13C-PCB-1	7.36e+07	3.16 y	14:31	0.86	1090					96.4	
PCB-2	6.35e+05	2.85 y	16:46	1.26	7.74		-	-	*		
PCB-3	2.43e+06	3.05 y	16:58	1.26	29.6		-	-	*		
13C-PCB-3	7.37e+07	3.21 y	16:58	0.84	1110					98.3	
PCB-4	2.83e+07	1.56 y	18:13	1.16	507		-	-	*		
PCB-10	2.64e+06	1.52 y	18:17	1.57	27.1		-	-	*		
13C-PCB-4	5.48e+07	1.60 y	18:12	0.67	1040					92.1	
PCB-9	9.31e+06	1.56 y	19:55	1.54	97.5		-	-	*		
PCB-7	8.27e+06	1.59 y	19:57	1.55	86.1		-	-	*		
PCB-6	6.25e+07	1.57 y	20:32	1.50	671		-	-	*		
PCB-8	1.75e+08	1.58 y	20:54	1.52	1860		-	-	*		
PCB-5	5.61e+06	1.47 y	20:59	1.52	59.6		-	-	*		
PCB-14	*	* n	NotFnd	1.47	*		941	6540	0.749		
PCB-11	3.64e+06	1.51 y	23:07	1.41	41.5		-	-	*		
PCB-13	7.59e+06	1.61 y	23:26	1.42	85.9		-	-	*		
PCB-12	9.42e+06	1.63 y	23:27	1.45	105		-	-	*		
PCB-15	8.41e+07	1.57 y	23:47	1.29	862		-	-	*		
13C-PCB-15	8.59e+07	1.62 y	23:45	1.01	1090					95.7	
PCB-19	1.10e+07	1.03 y	22:07	1.25	262		-	-	*		
PCB-30	*	* n	NotFnd	1.84	*		2160	1200	0.495		
PCB-18	1.59e+08	1.05 y	23:40	1.26	3750		-	-	*		
PCB-17	7.99e+07	1.04 y	23:50	1.40	1700		-	-	*		
PCB-27	7.83e+06	1.01 y	24:21	1.80	129		-	-	*		
PCB-24	8.83e+06	1.10 y	24:22	1.84	143		-	-	*		
PCB-16	5.29e+07	0.97 y	24:51	1.55	1020		-	-	*		
PCB-32	6.30e+07	1.13 y	24:52	1.57	1190		-	-	*		
13C-PCB-19	3.81e+07	1.07 y	22:06	0.49	989					87.2	
13C-PCB-9	8.89e+07	1.60 y	19:53	-	4.93						
PCB-34	4.77e+06	1.09 y	25:38	1.23	79.6		-	-	*		
PCB-23	6.82e+05	1.19 y	25:43	1.54	9.10		-	-	*		
PCB-29	2.67e+06	1.08 y	25:57	1.38	39.8		-	-	*		
PCB-26	1.09e+08	1.06 y	26:09	1.33	1680		-	-	*		
PCB-25	5.97e+07	1.05 y	26:18	1.30	946		-	-	*		
PCB-31	3.99e+08	1.06 y	26:38	1.33	6180		-	-	*		
PCB-28	4.83e+08	1.07 y	26:45	1.61	6170		-	-	*		
PCB-20	2.22e+08	1.07 y	27:20	1.33	3420		-	-	*		Co-elute PCB 21/33
PCB-21	2.22e+08	1.07 y	27:20	1.33	3420		-	-	*		Co-elute PCB 20/33
PCB-33	2.22e+08	1.07 y	27:20	1.33	3420		-	-	*		Co-elute PCB 20/21
PCB-22	1.37e+08	1.08 y	27:44	1.46	1940		-	-	*		
PCB-36	*	* n	NotFnd	1.33	*		1810	891	0.667		
PCB-39	7.12e+05	1.11 y	28:47	1.33	11.0		-	-	*		
PCB-38	2.16e+06	1.14 y	29:32	1.43	31.0		-	-	*		
PCB-35	5.36e+06	1.04 y	30:04	1.29	85.6		-	-	*		
PCB-37	8.08e+07	1.06 y	30:32	1.35	1230		-	-	*		
13C-PCB-37	5.52e+07	1.05 y	30:31	1.62	979					86.4	

PCB-54	5.73e+05	0.73	y	25:39	1.32	10.6	-	-	*	
PCB-50	8.94e+05	0.81	y	26:46	1.02	21.4	-	-	*	
PCB-53	2.57e+07	0.78	y	27:23	0.99	637	-	-	*	
PCB-51	8.83e+06	0.75	y	27:42	1.02	212	-	-	*	
PCB-45	2.41e+07	0.80	y	28:07	0.86	685	-	-	*	
PCB-46	8.92e+06	0.80	y	28:35	0.83	264	-	-	*	
PCB-52	2.56e+08	0.79	y	29:01	1.08	5840	-	-	*	Co-elute PCB 69
PCB-69	2.56e+08	0.79	y	29:01	1.08	5840	-	-	*	Co-elute PCB 52
PCB-73	3.09e+06	0.84	y	29:08	1.22	61.7	-	-	*	
PCB-43	1.72e+08	0.79	y	29:19	0.91	4660	-	-	*	Co-elute PCB 49
PCB-49	1.72e+08	0.79	y	29:19	0.91	4660	-	-	*	Co-elute PCB 43
PCB-47	5.42e+07	0.78	y	29:32	0.92	1440	-	-	*	
PCB-48	4.68e+07	0.80	y	29:38	1.20	952	-	-	*	Co-elute PCB 75
PCB-75	4.68e+07	0.80	y	29:38	1.20	952	-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*	1230	1650	0.571	
PCB-62	*	*	n	NotFnd	1.22	*	1230	1650	0.576	
PCB-44	1.26e+08	0.78	y	30:20	0.80	3840	-	-	*	
PCB-42	5.66e+07	0.79	y	30:35	1.06	1300	-	-	*	Co-elute PCB 59
PCB-59	5.66e+07	0.79	y	30:35	1.06	1300	-	-	*	Co-elute PCB 42
PCB-72	1.32e+08	0.78	y	31:13	1.20	2690	-	-	*	Co-elute PCB 41/71/64
PCB-41	1.32e+08	0.78	y	31:13	1.20	2690	-	-	*	Co-elute PCB 72/71/64
PCB-71	1.32e+08	0.78	y	31:13	1.20	2690	-	-	*	Co-elute PCB 72/41/64
PCB-64	1.32e+08	0.78	y	31:13	1.20	2690	-	-	*	Co-elute PCB 72/41/71
PCB-68	1.75e+06	0.83	y	31:30	1.36	31.7	-	-	*	
PCB-40	1.53e+07	0.76	y	31:41	0.77	489	-	-	*	
PCB-57	1.67e+06	0.78	y	31:59	1.25	32.6	-	-	*	
PCB-67	9.67e+06	0.79	y	32:12	1.29	184	-	-	*	
PCB-58	1.50e+06	0.85	y	32:18	1.26	29.3	-	-	*	
PCB-63	1.26e+07	0.79	y	32:27	1.31	235	-	-	*	
PCB-74	1.42e+08	0.79	y	32:42	1.29	2710	-	-	*	
PCB-61	3.03e+08	0.78	y	32:54	1.17	6330	-	-	*	Co-elute PCB 70
PCB-70	3.03e+08	0.78	y	32:54	1.17	6330	-	-	*	Co-elute PCB 61
PCB-76	2.81e+08	0.77	y	33:05	1.36	5060	-	-	*	Co-elute PCB 66
PCB-66	2.81e+08	0.77	y	33:05	1.36	5060	-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*	1230	1650	0.459	
PCB-55	4.76e+06	0.79	y	33:34	1.37	85.1	-	-	*	
13C-PCB-54	4.63e+07	0.81	y	25:38	1.25	1060				93.9
PCB-104	*	*	n	NotFnd	1.16	*	968	688	0.648	
PCB-96	1.41e+06	1.55	y	31:30	1.13	40.4	-	-	*	
PCB-103	2.45e+06	1.53	y	31:58	0.93	85.3	-	-	*	
PCB-100	1.11e+06	1.60	y	32:15	0.95	38.0	-	-	*	
PCB-94	1.03e+06	1.46	y	32:40	0.78	43.2	-	-	*	
PCB-98	*	*	n	NotFnd	0.88	*	968	688	0.855	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*	968	688	0.855	Co-elute PCB 98
PCB-95	1.66e+08	1.53	y	33:09	0.80	6730	-	-	*	
PCB-93	*	*	n	NotFnd	0.76	*	968	688	1.000	
PCB-88	3.01e+07	1.57	y	33:32	0.90	1090	-	-	*	Co-elute PCB 91
PCB-91	3.01e+07	1.57	y	33:32	0.90	1090	-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*	968	688	0.697	
13C-PCB-104	3.49e+07	1.59	y	30:08	1.08	931				82.2
13C-PCB-28	7.96e+07	1.09	y	26:43	1.93	1190				105
13C-PCB-52	3.93e+07	0.78	y	29:00	-	4.22				

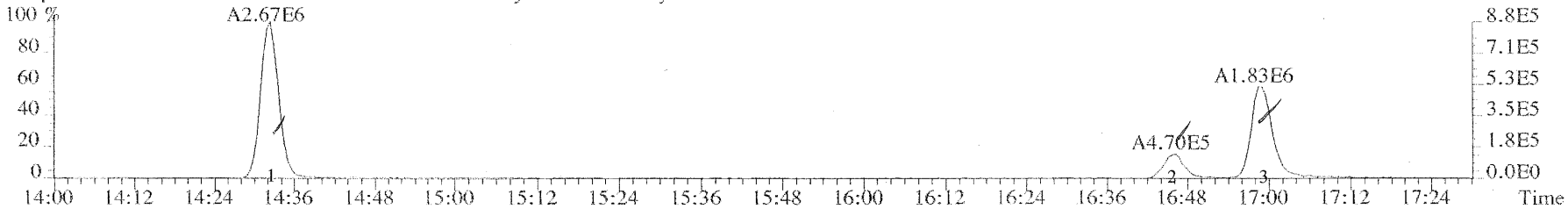
PCB-56	1.84e+08	0.78	y	34:03	1.23	2800		-	-	*	Co-elute PCB 60
PCB-60	1.84e+08	0.78	y	34:03	1.23	2800		-	-	*	Co-elute PCB 56
PCB-79	4.60e+06	0.77	y	35:04	1.29	66.4		-	-	*	
PCB-78	1.37e+06	0.75	y	35:39	1.27	20.2		-	-	*	
PCB-81	6.47e+06	0.77	y	36:15	1.38	90.7		-	-	*	
13C-PCB-81	5.88e+07	0.80	y	36:12	1.60	1170					103
PCB-77	2.74e+07	0.84	y	36:47	1.18	422		-	-	*	
13C-PCB-77	6.24e+07	0.80	y	36:46	1.65	1200					106
PCB-155	*	*	n	NotFnd	1.08	*		1140	872	0.512	
PCB-150	5.14e+05	1.28	y	35:29	1.06	12.2		-	-	*	
PCB-152	2.57e+05	1.34	y	35:56	1.05	6.15		-	-	*	
PCB-145	1.17e+05	1.26	y	36:21	1.06	2.79		-	-	*	
PCB-136	3.34e+07	1.24	y	36:40	1.09	772		-	-	*	
PCB-148	*	*	n	NotFnd	0.76	*		1140	872	0.729	
PCB-154	3.50e+06	1.28	y	37:13	0.92	96.1		-	-	*	
13C-PCB-155	4.50e+07	1.28	y	34:17	1.30	1100					97.1
13C-PCB-111	4.35e+07	1.60	y	36:21	1.25	1110					97.6
13C-PCB-101	3.56e+07	1.61	y	34:42	-	4.09					
PCB-84	1.02e+08	1.59	y	34:23	0.71	3030		-	-	*	Co-elute PCB 92
PCB-92	1.02e+08	1.59	y	34:23	0.71	3030		-	-	*	Co-elute PCB 84
PCB-89	2.91e+06	1.58	y	34:33	0.71	86.5		-	-	*	
PCB-90	2.70e+08	1.58	y	34:45	0.82	6990		-	-	*	Co-elute PCB 101
PCB-101	2.70e+08	1.58	y	34:45	0.82	6990		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*		1120	940	0.580	
PCB-99	1.31e+08	1.57	y	35:03	0.87	3180		-	-	*	
PCB-119	9.99e+06	1.57	y	35:29	1.02	207		-	-	*	
PCB-83	1.30e+07	1.59	y	35:38	0.83	330		-	-	*	Co-elute PCB 112
PCB-112	1.30e+07	1.59	y	35:38	0.83	330		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*		1120	940	0.541	
PCB-97	7.25e+07	1.54	y	35:58	0.68	2240		-	-	*	
PCB-86	*	*	n	NotFnd	0.78	*		1120	940	0.695	
PCB-125	9.32e+07	1.58	y	36:15	0.91	2160		-	-	*	Co-elute PCB 87/117
PCB-87	9.32e+07	1.58	y	36:15	0.91	2160		-	-	*	Co-elute PCB 125/117
PCB-117	9.32e+07	1.58	y	36:15	0.91	2160		-	-	*	Co-elute PCB 125/87
PCB-111	5.43e+06	1.51	y	36:23	1.06	109		-	-	*	Co-elute PCB 115
PCB-115	5.43e+06	1.51	y	36:23	1.06	109		-	-	*	Co-elute PCB 111
PCB-85	3.97e+07	1.59	y	36:28	0.90	934		-	-	*	Co-elute PCB 116
PCB-116	3.97e+07	1.59	y	36:28	0.90	934		-	-	*	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*		1120	940	0.511	
PCB-110	3.32e+08	1.56	y	36:51	1.08	6510		-	-	*	
PCB-82	2.19e+07	1.56	y	37:27	0.63	735		-	-	*	
PCB-124	1.23e+07	1.53	y	38:06	1.23	212		-	-	*	
PCB-108	2.63e+07	1.56	y	38:16	1.29	429		-	-	*	Co-elute PCB 107
PCB-107	2.63e+07	1.56	y	38:16	1.29	429		-	-	*	Co-elute PCB 108
PCB-123	5.30e+06	1.62	y	38:24	1.17	98.0		-	-	*	
13C-PCB-123	5.24e+07	1.59	y	38:23	1.35	1200					106
PCB-118	3.29e+08	1.57	y	38:36	1.22	5520		-	-	*	Co-elute PCB 106
PCB-106	3.29e+08	1.57	y	38:36	1.22	5520		-	-	*	Co-elute PCB 118
13C-PCB-118	5.52e+07	1.60	y	38:34	1.49	1150					101
PCB-114	7.26e+06	1.55	y	39:12	1.22	125		-	-	*	
13C-PCB-114	5.41e+07	1.60	y	39:10	1.43	1170					103
PCB-122	3.37e+06	1.57	y	39:20	1.33	53.6		-	-	*	
PCB-105	1.15e+08	1.59	y	40:01	1.29	1910		-	-	*	
13C-PCB-105	5.30e+07	1.61	y	40:00	1.42	1160					102

PCB-127	*	*	n	NotFnd	1.18	*	1350	830	0.487	
PCB-126	1.39e+06	1.52	y	42:08	1.25	24.4	-	-	*	
13C-PCB-126	5.16e+07	1.56	y	42:08	1.29	1230				109
PCB-151	4.40e+07	1.26	y	37:50	1.00	1180	-	-	*	
PCB-135	2.67e+07	1.26	y	38:03	1.05	682	-	-	*	
PCB-144	1.02e+07	1.27	y	38:10	1.02	267	-	-	*	
PCB-147	4.95e+06	1.23	y	38:16	1.10	120	-	-	*	
PCB-139	1.83e+08	1.25	y	38:31	1.10	4450	-	-	*	Co-elute PCB 149
PCB-149	1.83e+08	1.25	y	38:31	1.10	4450	-	-	*	Co-elute PCB 139
PCB-140	1.84e+06	1.21	y	38:42	1.08	45.7	-	-	*	
PCB-143	1.19e+07	1.25	y	39:07	0.90	355	-	-	*	Co-elute PCB 134
PCB-134	1.19e+07	1.25	y	39:07	0.90	355	-	-	*	Co-elute PCB 143
PCB-131	6.67e+06	1.24	y	39:24	0.90	198	-	-	*	Co-elute PCB 133
PCB-133	6.67e+06	1.24	y	39:24	0.90	198	-	-	*	Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.92	*	1110	760	0.706	
PCB-165	3.70e+07	1.28	y	39:45	1.20	829	-	-	*	Co-elute PCB 146
PCB-146	3.70e+07	1.28	y	39:45	1.20	829	-	-	*	Co-elute PCB 165
PCB-161	7.86e+07	1.25	y	40:01	1.14	1860	-	-	*	Co-elute PCB 132
PCB-132	7.86e+07	1.25	y	40:01	1.14	1860	-	-	*	Co-elute PCB 161
PCB-153	2.24e+08	1.26	y	40:08	1.21	4980	-	-	*	
PCB-168	*	*	n	NotFnd	1.33	*	1110	760	0.487	
PCB-141	3.68e+07	1.25	y	40:51	1.01	975	-	-	*	
PCB-137	1.11e+07	1.23	y	41:12	0.96	309	-	-	*	
PCB-130	1.33e+07	1.28	y	41:19	0.95	376	-	-	*	
PCB-138	2.64e+08	1.26	y	41:39	1.21	5860	-	-	*	Co-elute PCB 163/164
PCB-163	2.64e+08	1.26	y	41:39	1.21	5860	-	-	*	Co-elute PCB 138/164
PCB-164	2.64e+08	1.26	y	41:39	1.21	5860	-	-	*	Co-elute PCB 138/163
PCB-158	3.27e+07	1.28	y	41:53	1.34	653	-	-	*	Co-elute PCB 160
PCB-160	3.27e+07	1.28	y	41:53	1.34	653	-	-	*	Co-elute PCB 158
PCB-129	9.19e+06	1.27	y	42:08	0.89	278	-	-	*	
PCB-166	1.12e+06	1.25	y	42:35	1.31	23.0	-	-	*	
PCB-159	2.29e+06	1.27	y	42:54	1.38	44.6	-	-	*	
PCB-128	3.86e+07	1.27	y	43:07	1.13	916	-	-	*	Co-elute PCB 162
PCB-162	3.86e+07	1.27	y	43:07	1.13	916	-	-	*	Co-elute PCB 128
PCB-167	1.11e+07	1.26	y	43:31	1.24	234	-	-	*	
13C-PCB-167	4.36e+07	1.28	y	43:29	1.16	1170				103
PCB-156	2.92e+07	1.24	y	44:45	1.29	608	-	-	*	
13C-PCB-156	4.22e+07	1.28	y	44:43	1.12	1170				103
PCB-157	6.38e+06	1.17	y	44:59	1.24	135	-	-	*	
13C-PCB-157	4.32e+07	1.28	y	44:59	1.15	1160				102
PCB-169	*	*	n	NotFnd	1.17	*	1110	760	0.573	
13C-PCB-169	4.01e+07	1.27	y	46:51	1.08	1140				101

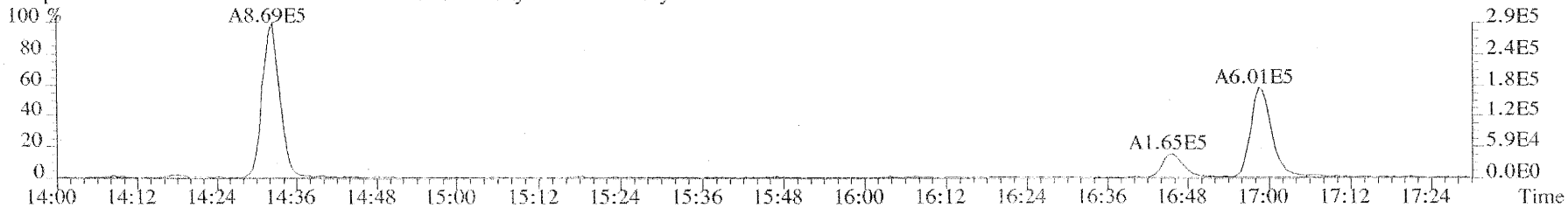
PCB-188	1.55e+05	1.00	y	39:47	1.12	4.05			-	-	*	
13C-PCB-188	3.86e+07	1.07	y	39:45	1.17	1020						90.1
PCB-184	7.08e+04	1.03	y	40:13	1.25	1.76	J		-	-	*	
PCB-179	2.18e+07	1.05	y	40:57	1.18	576			-	-	*	
PCB-176	6.97e+06	1.03	y	41:24	1.16	188			-	-	*	
PCB-186	*	*	n	NotFnd	1.17	*			1380	990	0.662	
PCB-178	7.63e+06	1.05	y	42:25	0.84	284			-	-	*	
PCB-175	1.63e+06	1.04	y	42:46	0.86	59.2			-	-	*	
PCB-187	4.96e+07	1.05	y	42:54	0.95	1630			-	-	*	Co-elute PCB 182
PCB-182	4.96e+07	1.05	y	42:54	0.95	1630			-	-	*	Co-elute PCB 187
PCB-183	2.34e+07	1.06	y	43:12	0.94	780			-	-	*	
PCB-185	3.95e+06	1.08	y	43:50	0.86	143			-	-	*	
PCB-174	3.63e+07	1.06	y	44:12	0.86	1310			-	-	*	
PCB-181	*	*	n	NotFnd	0.87	*			1380	990	0.898	
PCB-177	2.10e+07	1.05	y	44:26	0.80	818			-	-	*	
PCB-171	1.07e+07	1.05	y	44:43	0.84	394			-	-	*	
PCB-173	8.38e+05	1.07	y	45:08	0.77	34.1			-	-	*	
PCB-172	5.71e+06	1.03	y	45:31	0.80	223			-	-	*	
PCB-192	*	*	n	NotFnd	1.06	*			1380	990	0.736	
PCB-180	8.03e+07	1.06	y	45:52	0.82	3040			-	-	*	
PCB-193	5.17e+06	1.08	y	46:02	1.13	143			-	-	*	
PCB-191	2.01e+06	1.11	y	46:15	1.09	57.5			-	-	*	
PCB-170	3.19e+07	1.05	y	47:09	0.78	1280			-	-	*	
PCB-190	9.19e+06	1.06	y	47:19	1.05	272			-	-	*	
PCB-189	1.63e+06	1.07	y	48:30	1.08	50.2			-	-	*	
13C-PCB-189	3.40e+07	1.07	y	48:30	1.00	1050						92.8
PCB-202	3.67e+06	0.89	y	44:54	1.09	116			-	-	*	
PCB-201	2.81e+06	0.90	y	45:21	1.15	84.5			-	-	*	
PCB-204	*	*	n	NotFnd	1.16	*			968	1210	0.681	
PCB-197	8.64e+05	0.95	y	45:45	1.18	25.2			-	-	*	
PCB-200	2.55e+06	0.96	y	46:30	1.18	74.8			-	-	*	
PCB-198	6.37e+05	0.79	y	47:39	0.84	26.1			-	-	*	
PCB-199	1.36e+07	0.94	y	47:46	0.82	571			-	-	*	
PCB-203	1.73e+07	0.93	y	48:00	0.90	662			-	-	*	Co-elute PCB 196
PCB-196	1.73e+07	0.93	y	48:00	0.90	662			-	-	*	Co-elute PCB 203
13C-PCB-202	3.28e+07	0.93	y	44:53	0.98	1040						91.6
13C-PCB-178	2.91e+07	1.08	y	42:25	0.83	1080						95.6
13C-PCB-138	3.67e+07	1.25	y	41:37	-	4.03						
PCB-195	6.81e+06	0.91	y	49:06	0.97	243			-	-	*	
PCB-194	1.37e+07	0.92	y	49:54	1.00	477			-	-	*	
PCB-205	1.04e+06	0.89	y	50:10	1.22	29.6			-	-	*	
13C-PCB-205	3.26e+07	0.91	y	50:08	1.28	1210						106
PCB-208	1.37e+06	1.35	y	49:13	1.13	41.6			-	-	*	
13C-PCB-208	3.31e+07	0.79	y	49:12	1.23	1280						113
PCB-207	7.80e+05	1.37	y	49:30	1.32	24.9			-	-	*	
PCB-206	3.82e+06	1.29	y	51:22	1.15	182			-	-	*	
13C-PCB-206	2.08e+07	0.80	y	51:20	0.89	1120						98.6
PCB-209	1.63e+06	1.13	y	52:32	1.20	67.2			-	-	*	
13C-PCB-209	2.31e+07	1.19	y	52:31	1.03	1070						94.4
13C-PCB-194	2.38e+07	0.90	y	49:53	-	3.03						

Analyst: _____ Date: 2/2/21

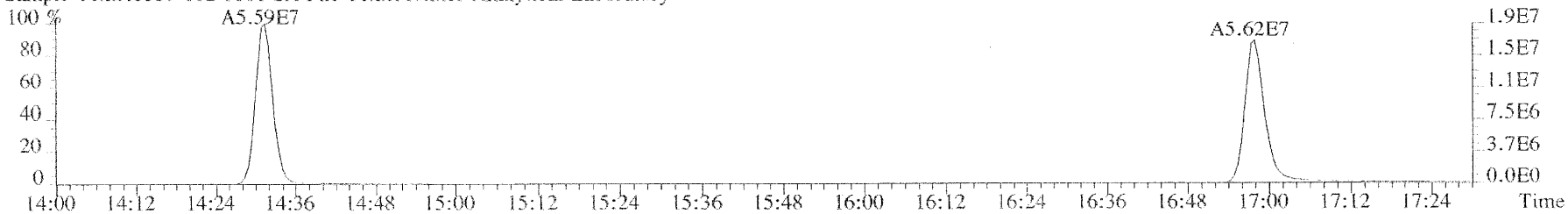
File:01FEB21Z #1-783 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-783 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-783 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-783 Acq: 1-FEB-2021 11:28:27 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
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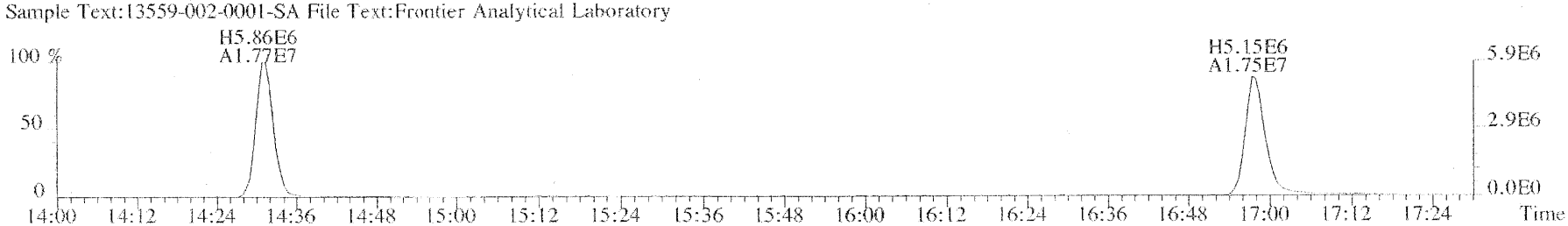
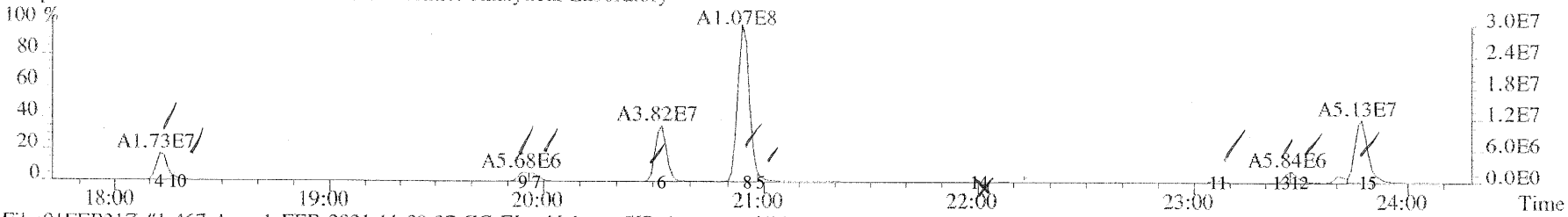
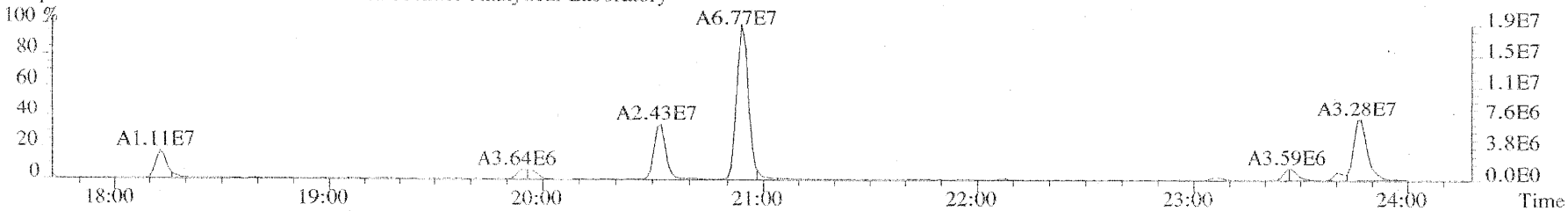


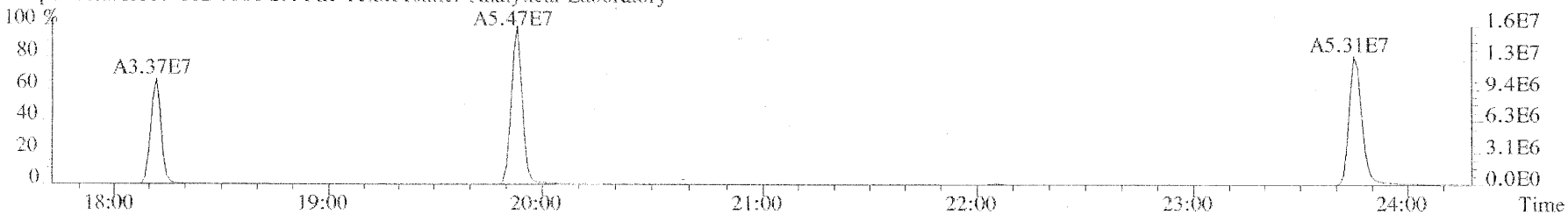
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



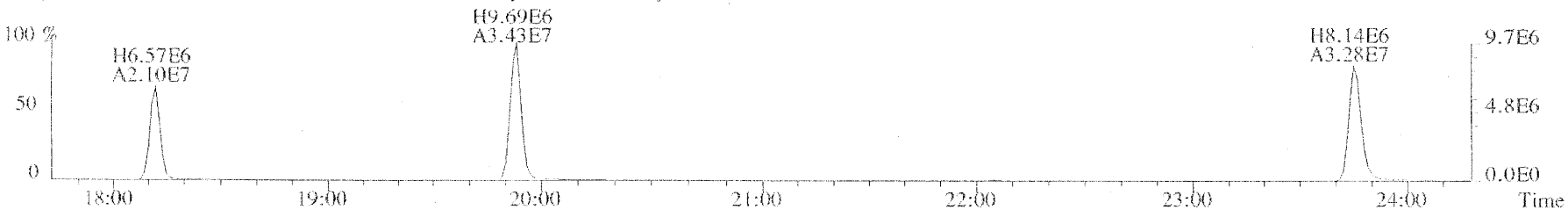
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



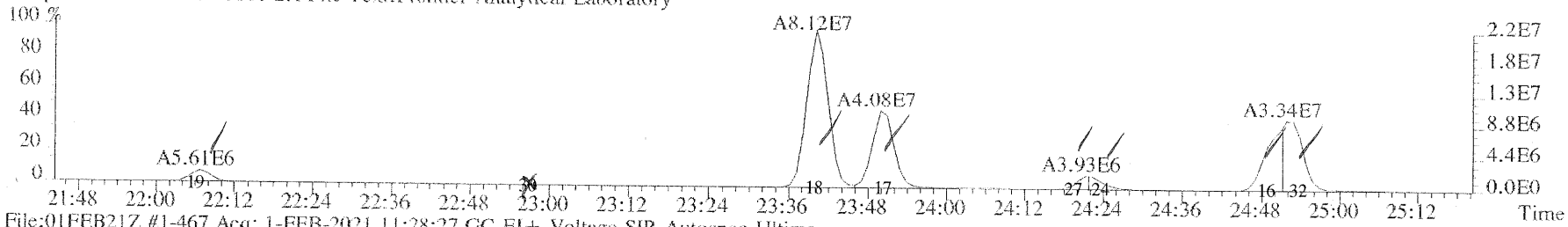
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



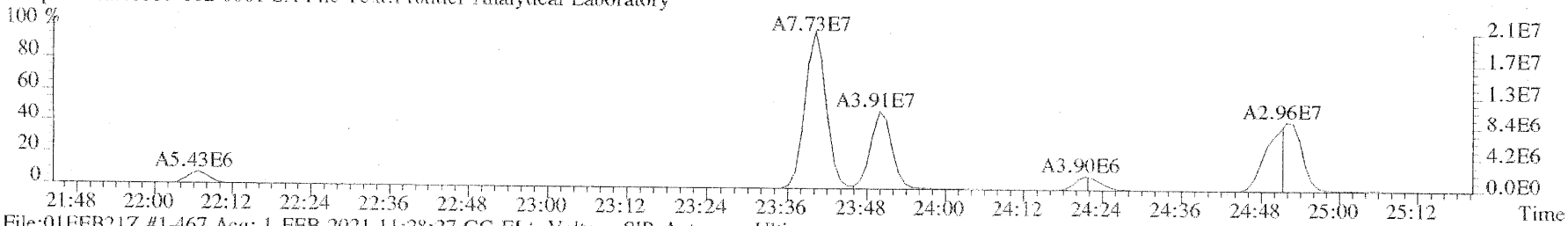
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



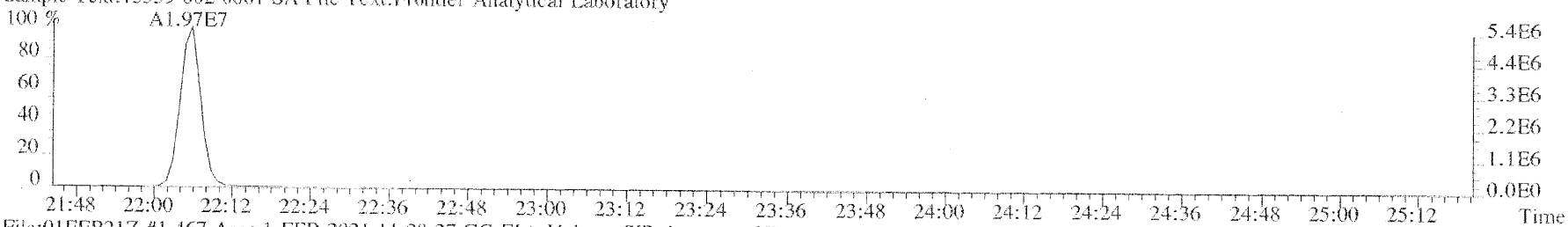
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



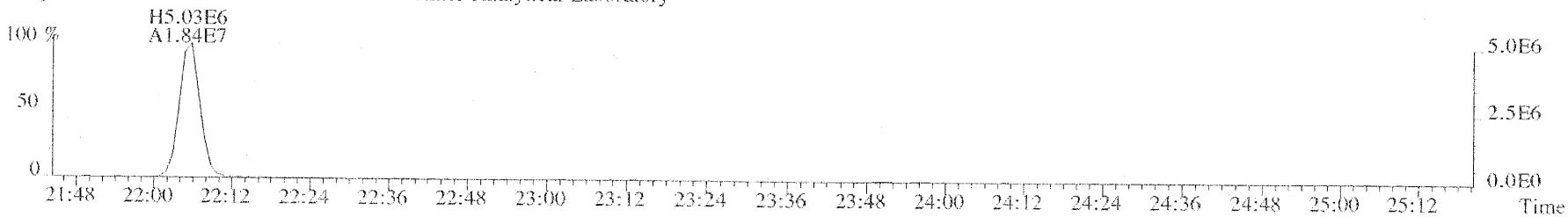
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



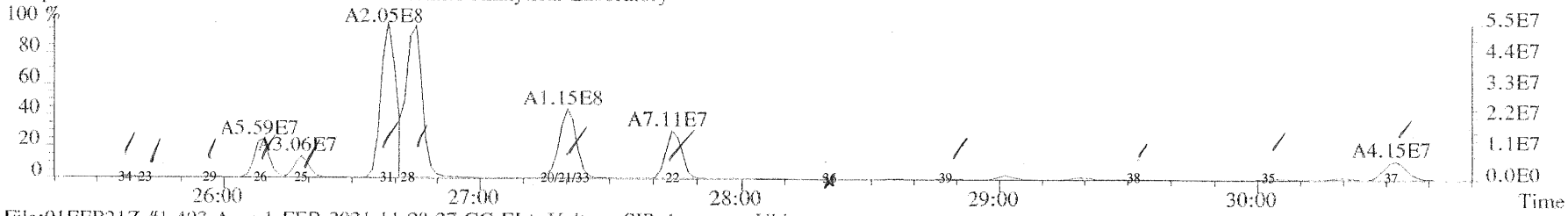
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



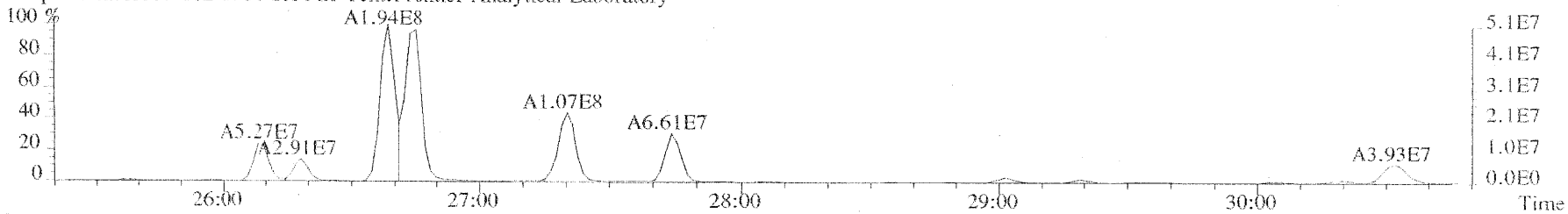
File:01FEB21Z #1-467 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



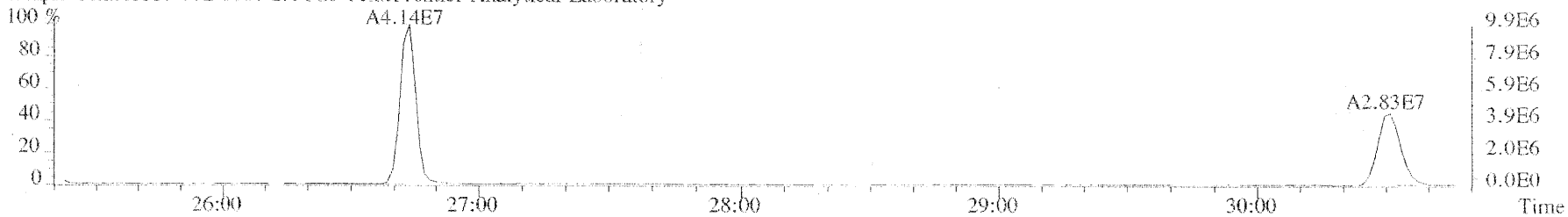
File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



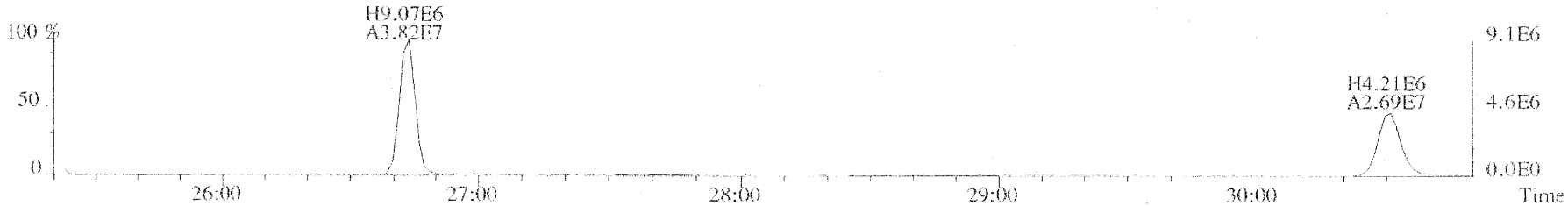
File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
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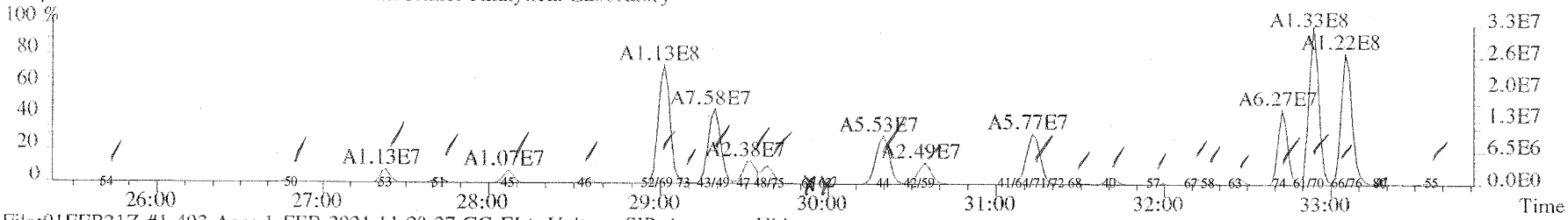

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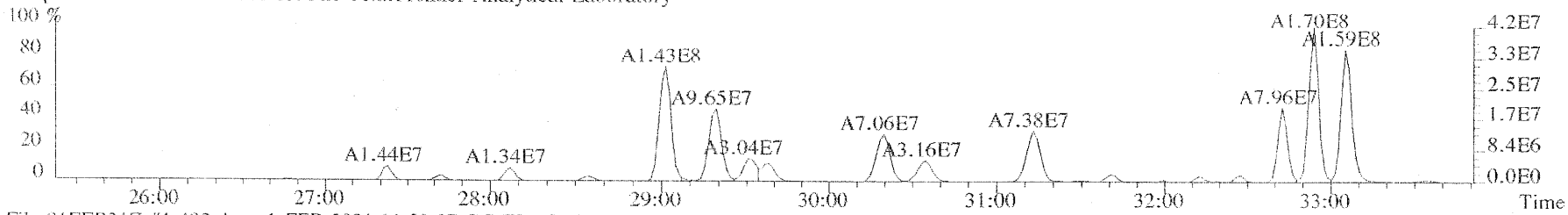

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301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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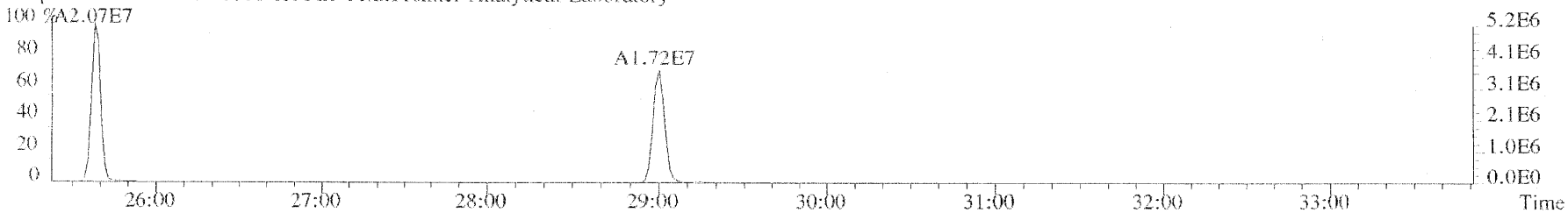

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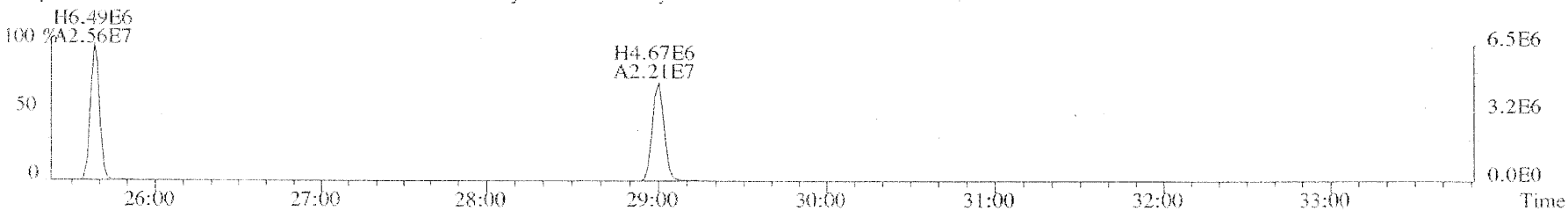
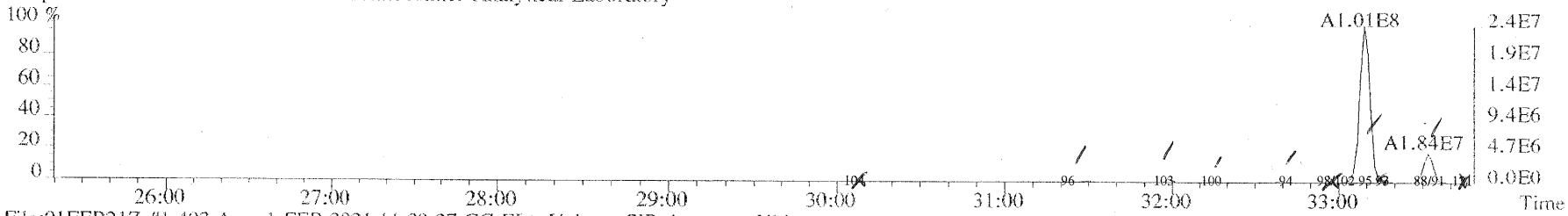


File:01FEB21Z #1-403 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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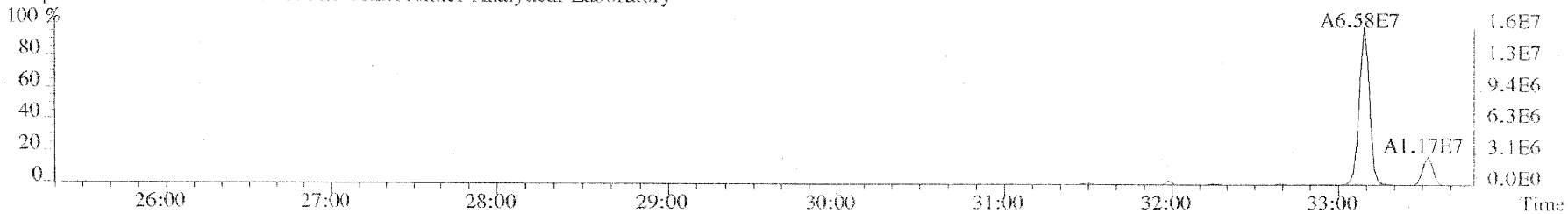
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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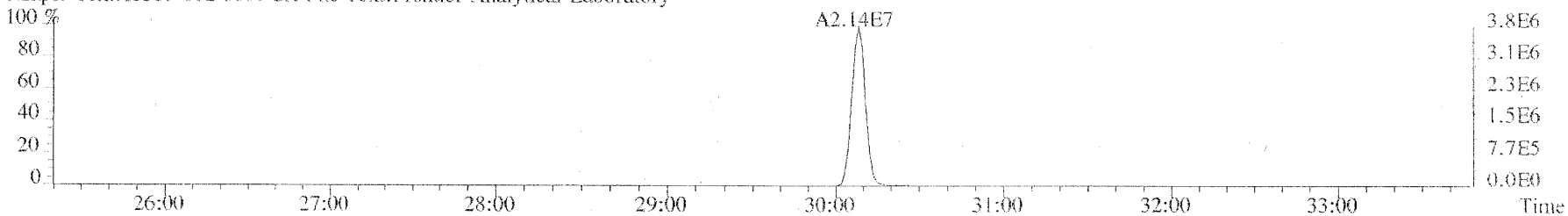
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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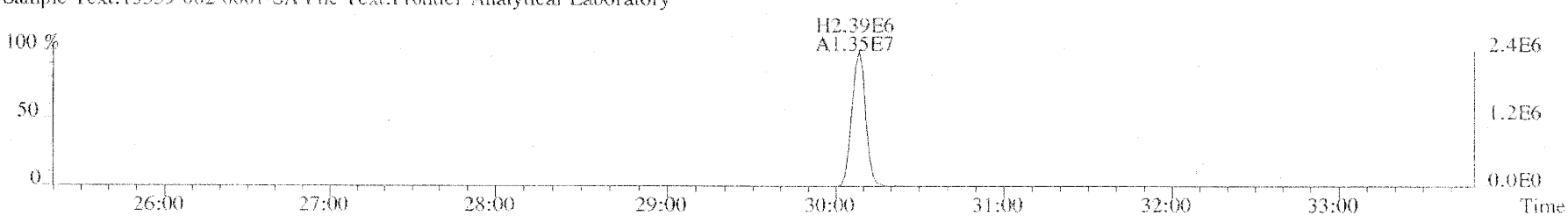
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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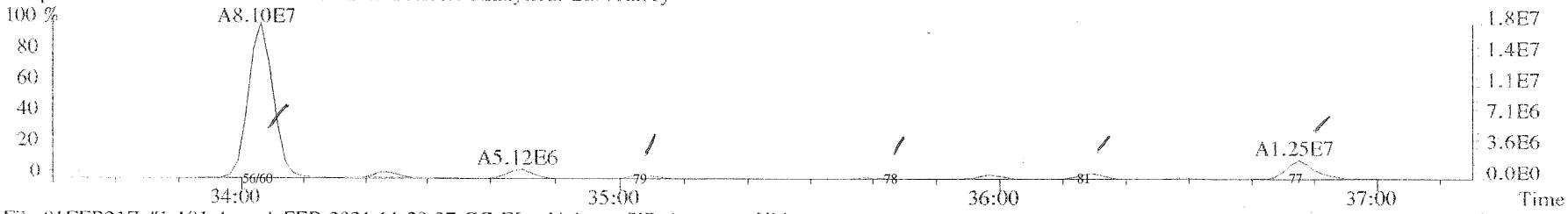
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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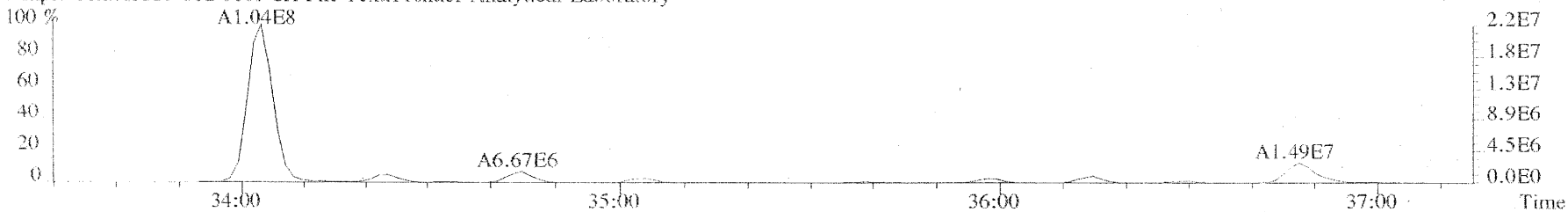
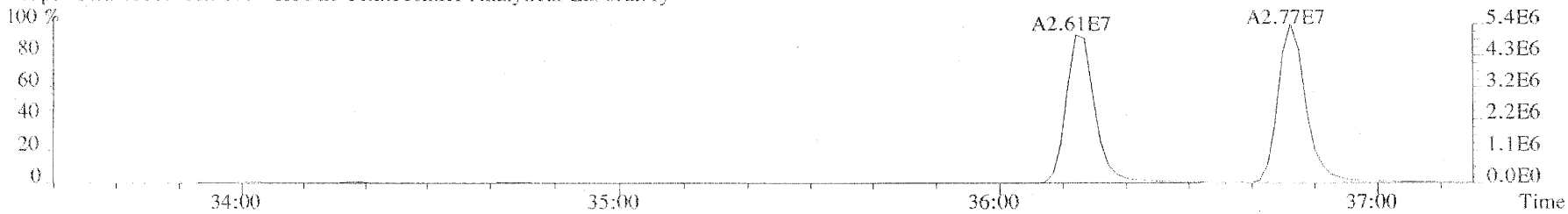
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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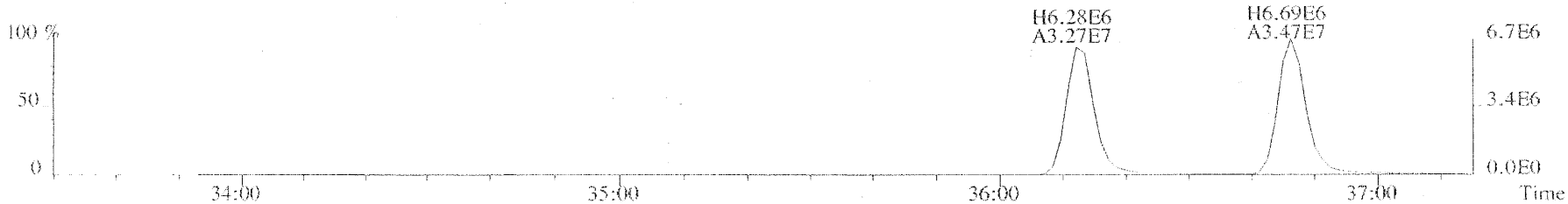
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 11:28:27 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
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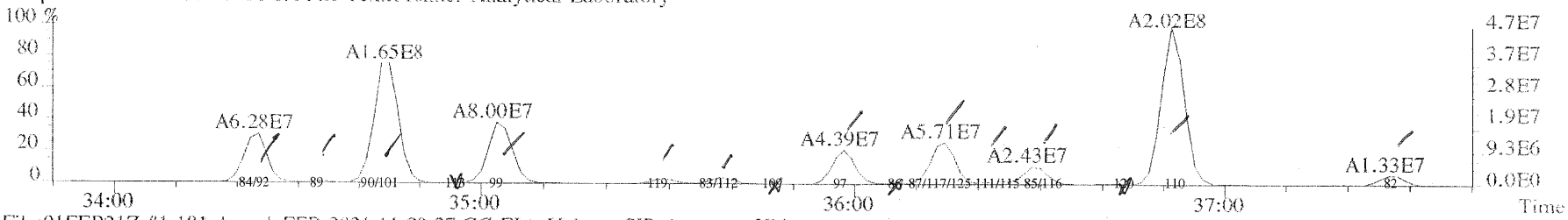

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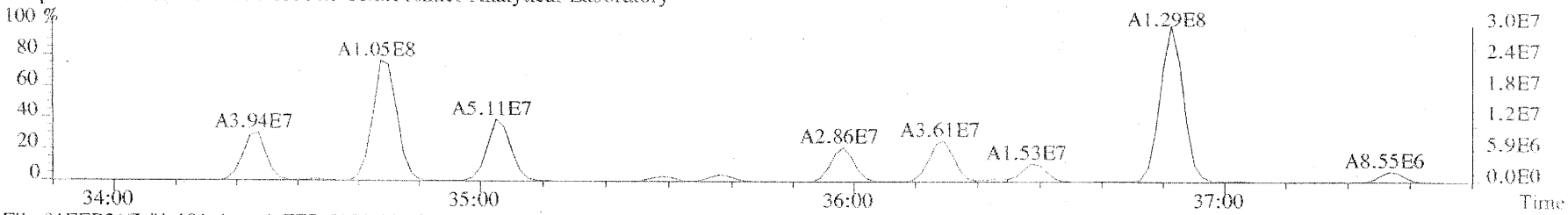
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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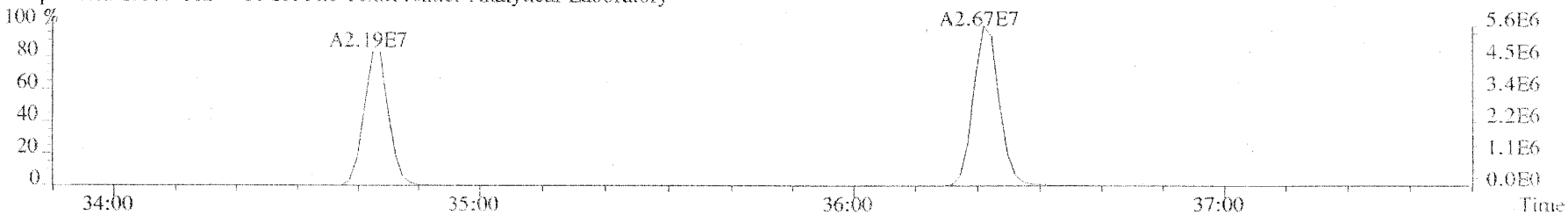

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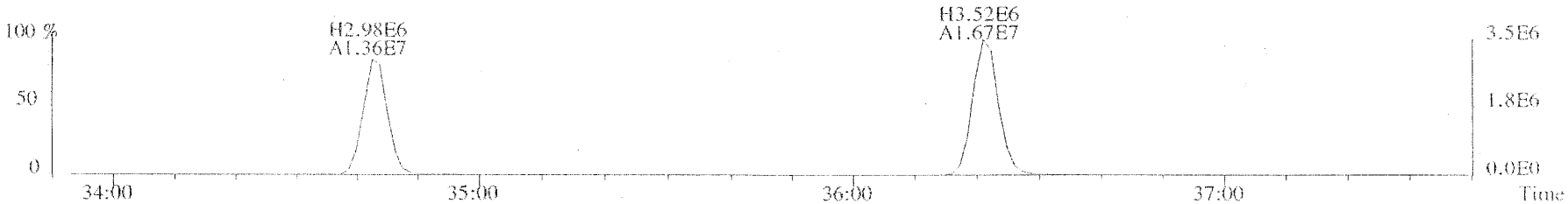
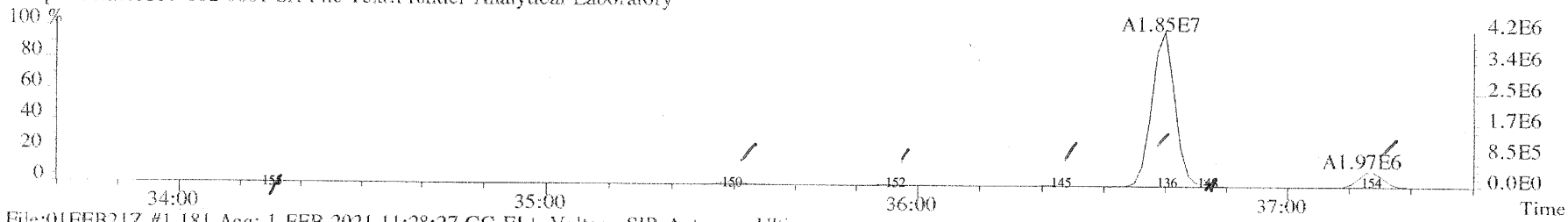
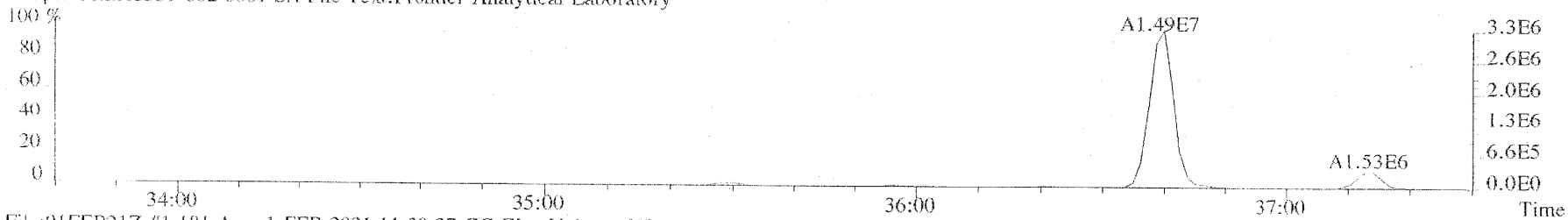


File:01FEB21Z #1-181 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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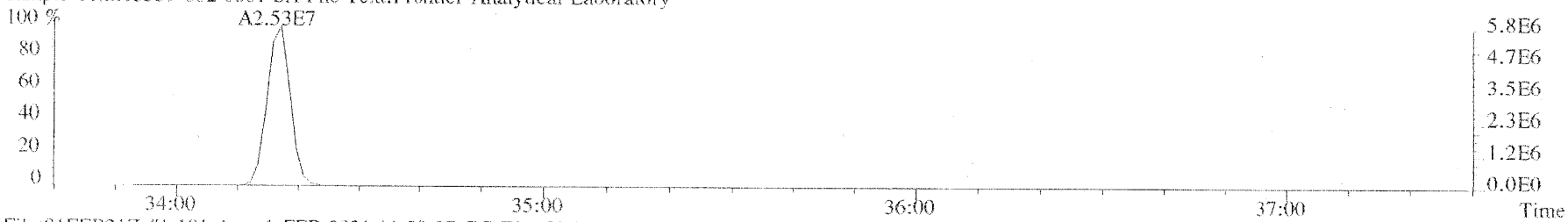

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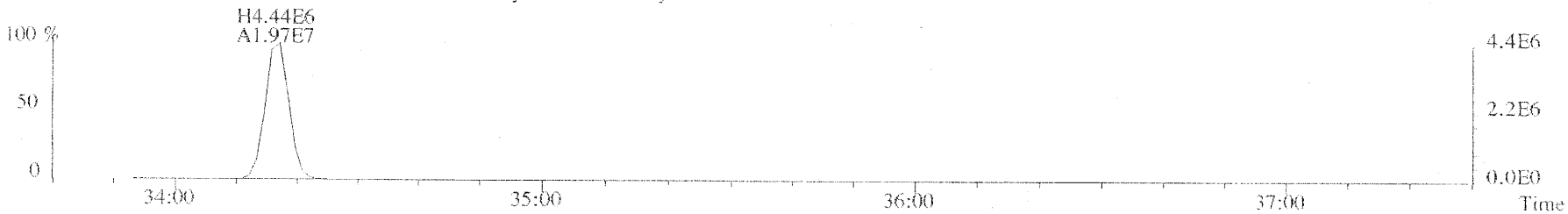
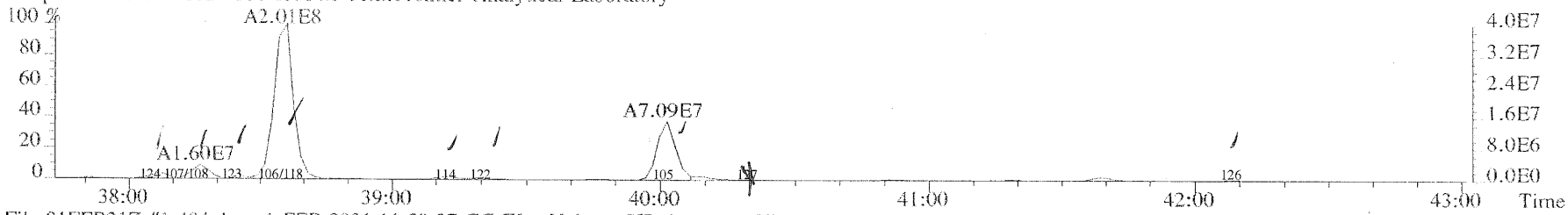


File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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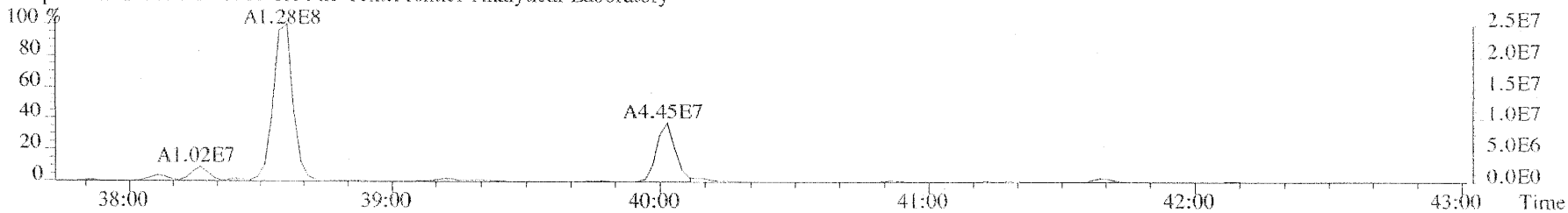

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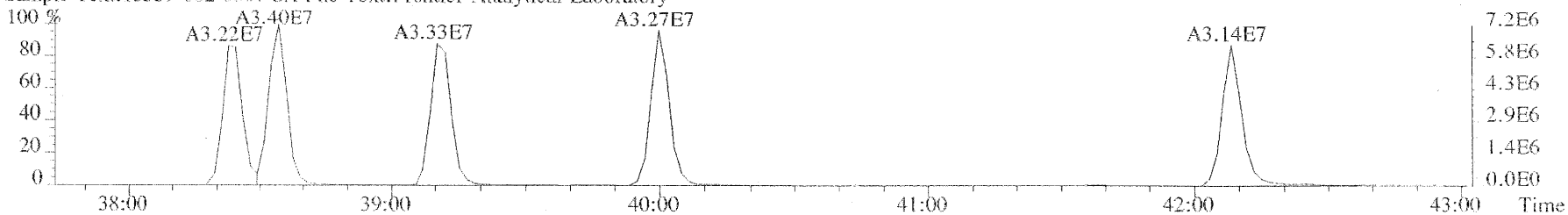

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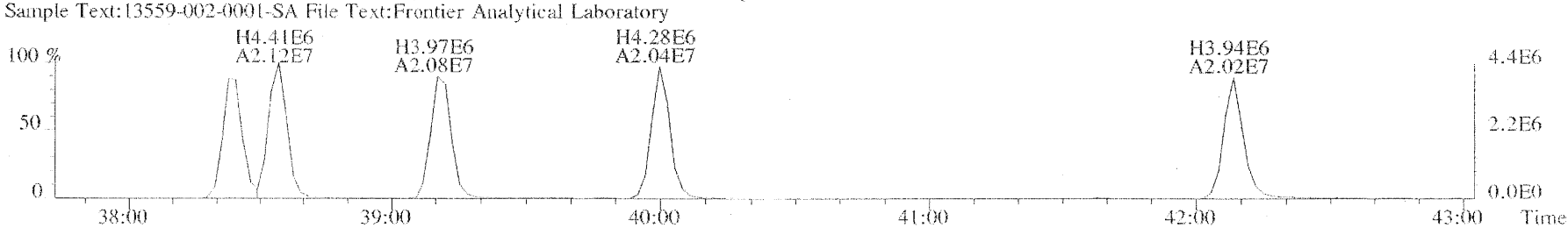
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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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
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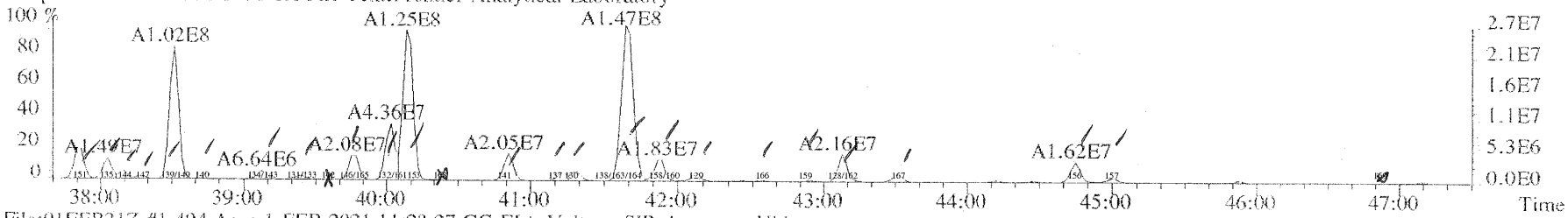

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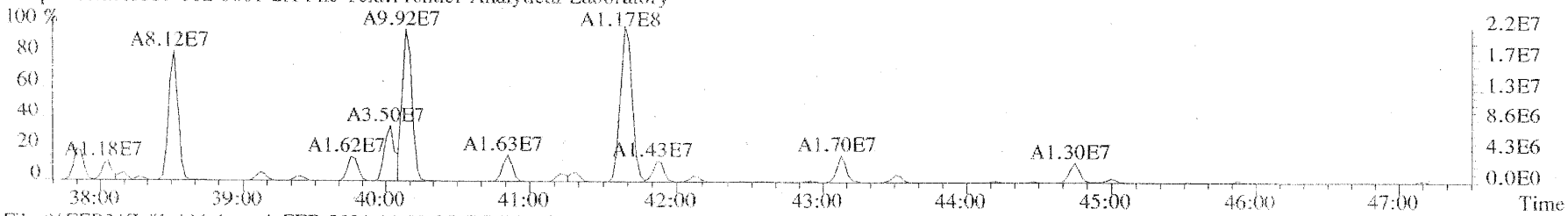

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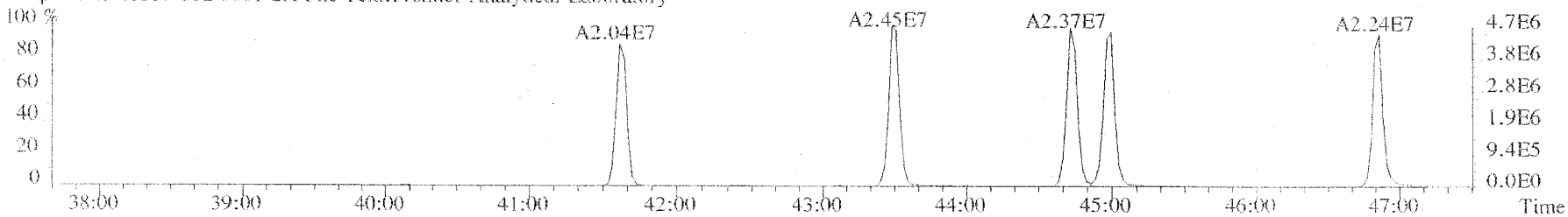

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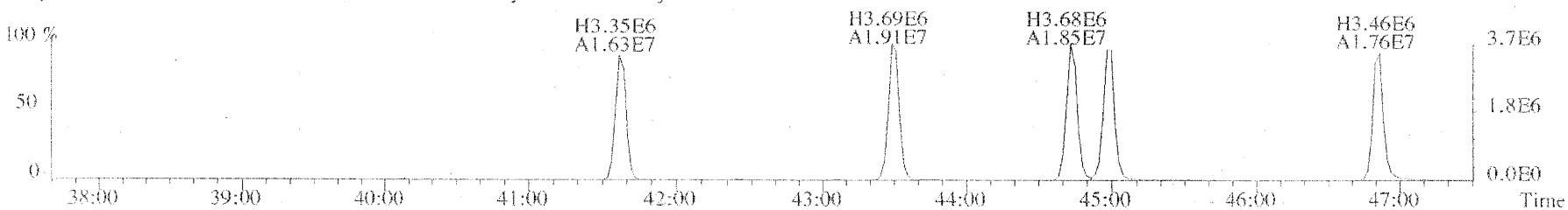
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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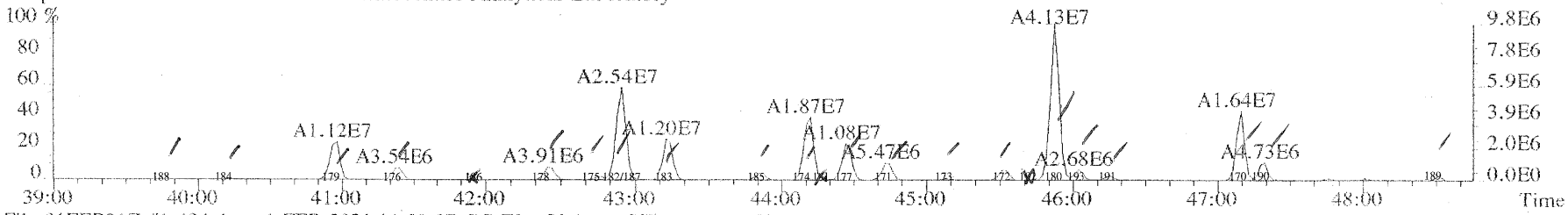

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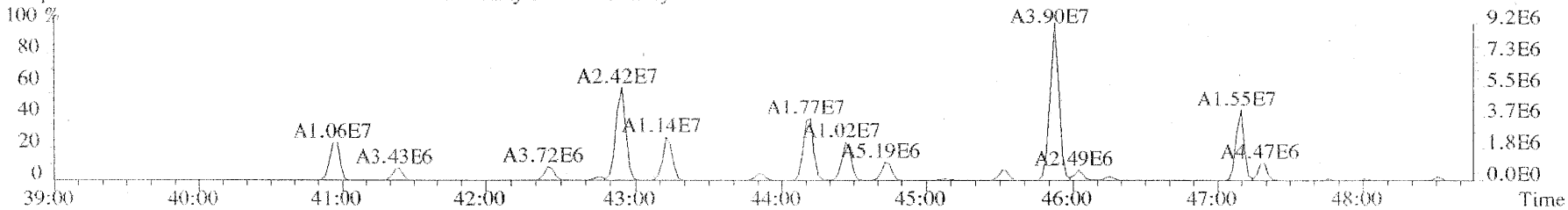
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



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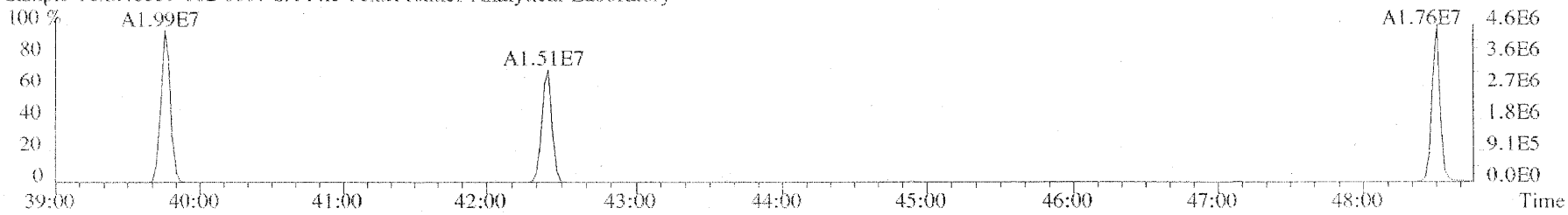
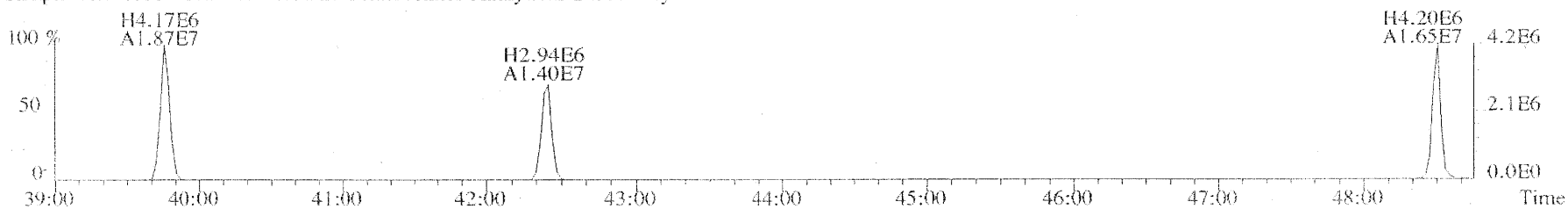
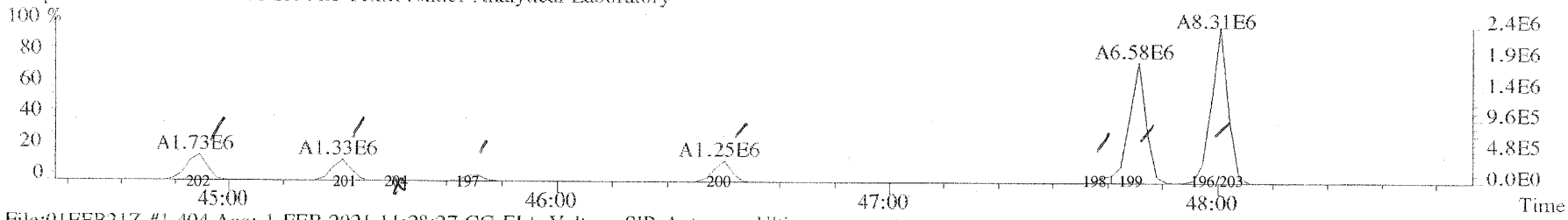


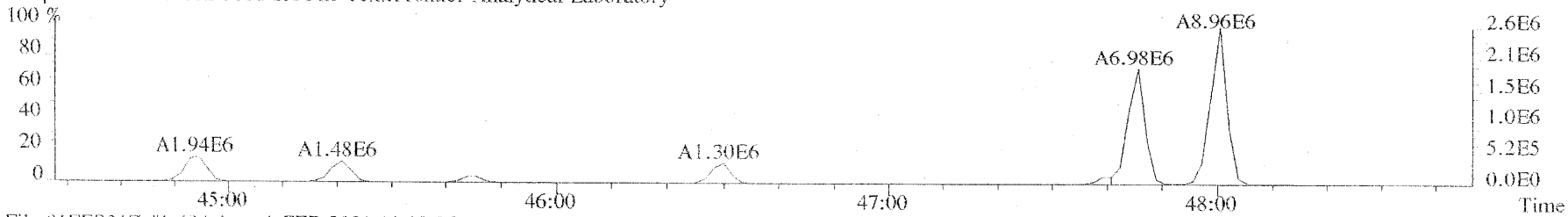
File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



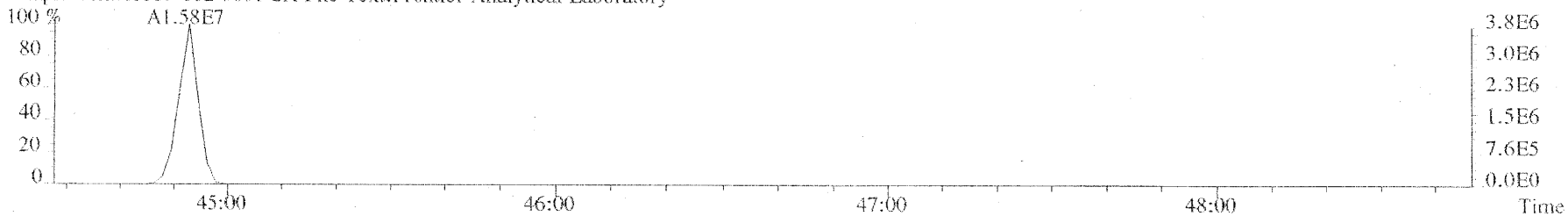
File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



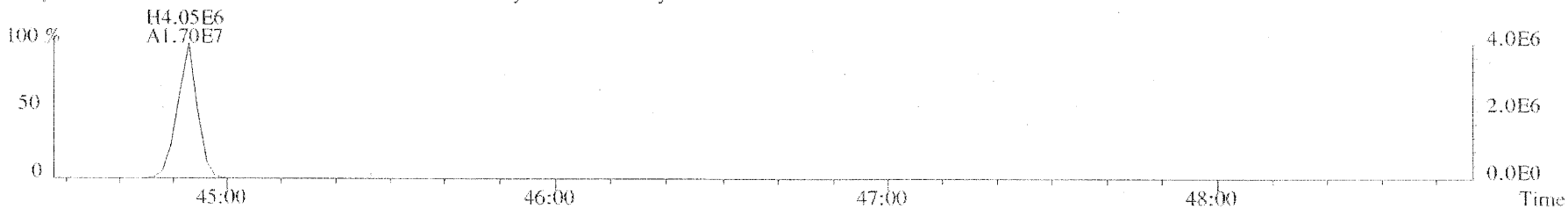
File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



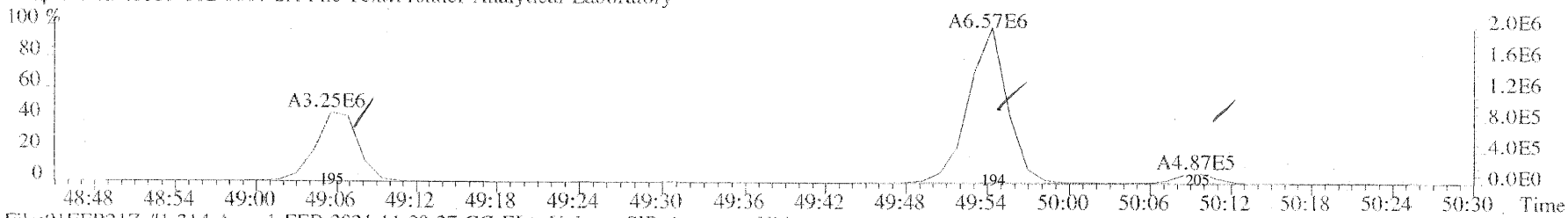
File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



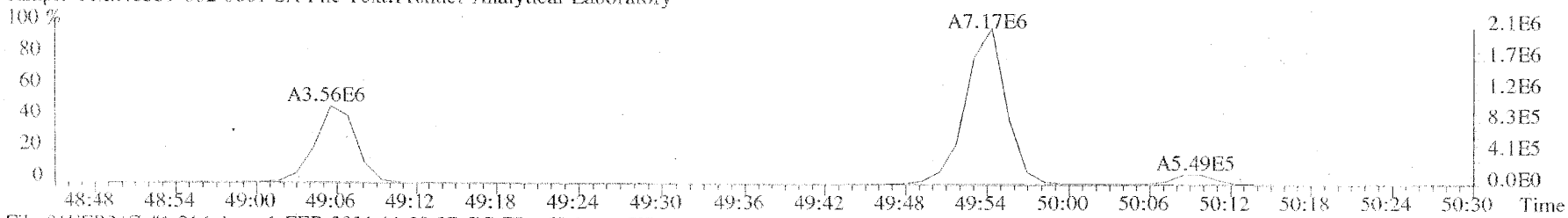
File:01FEB21Z #1-404 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



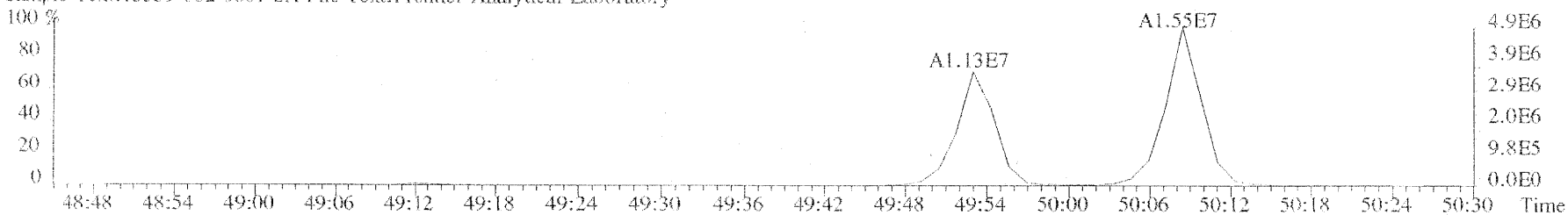
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



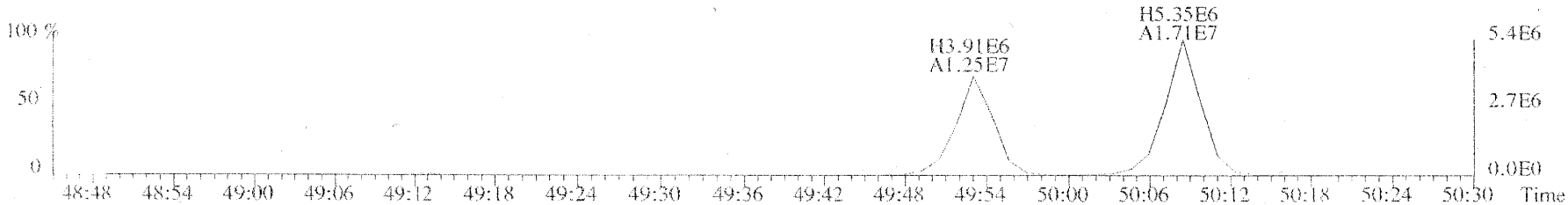
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



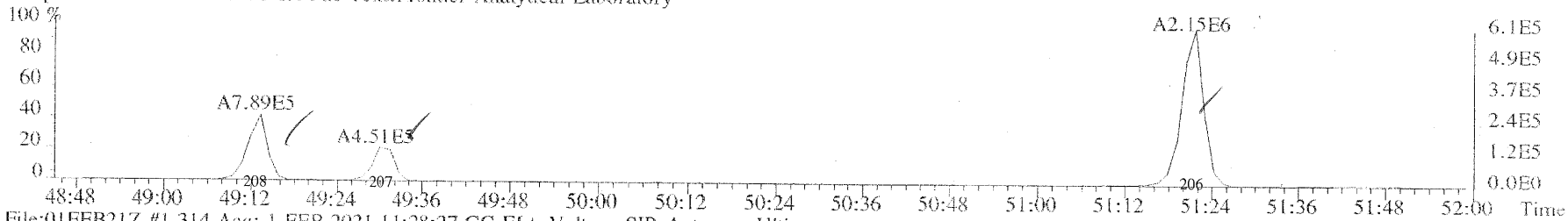
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



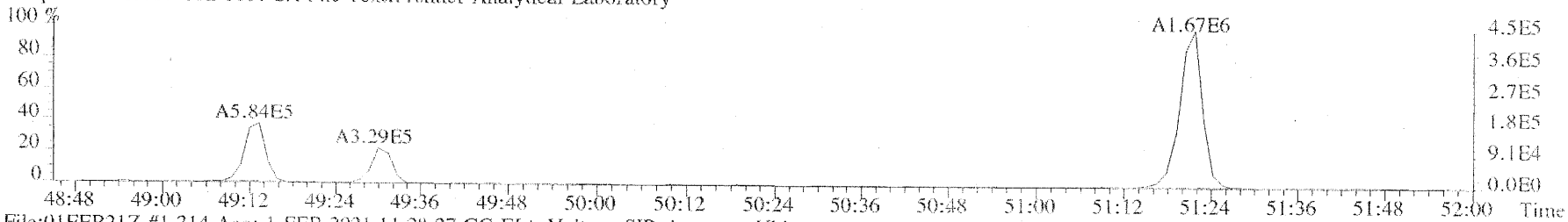
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



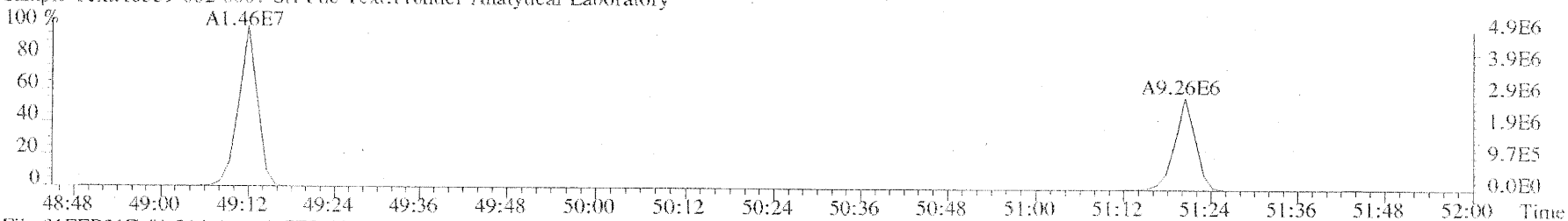
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



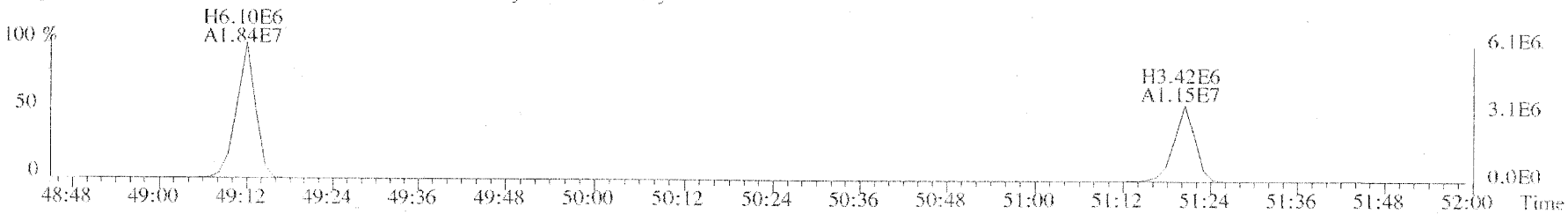
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



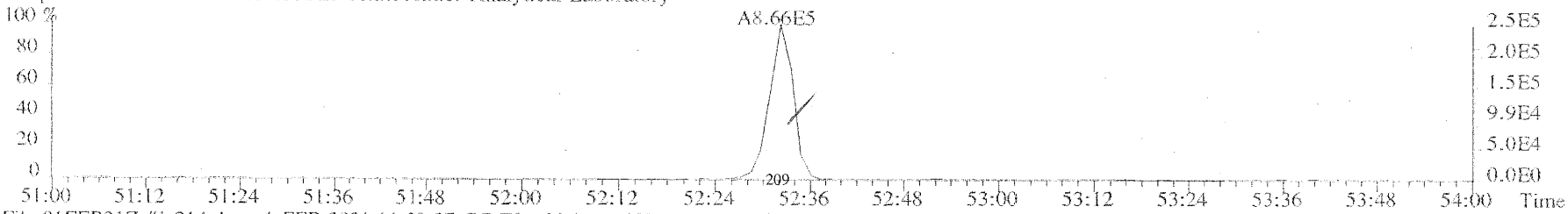
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



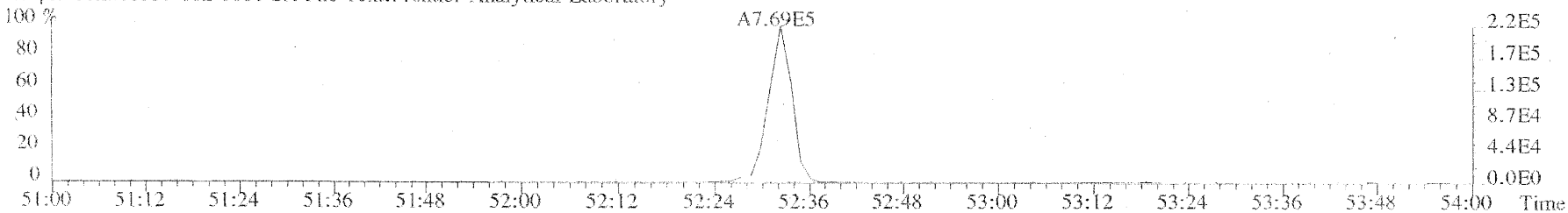
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



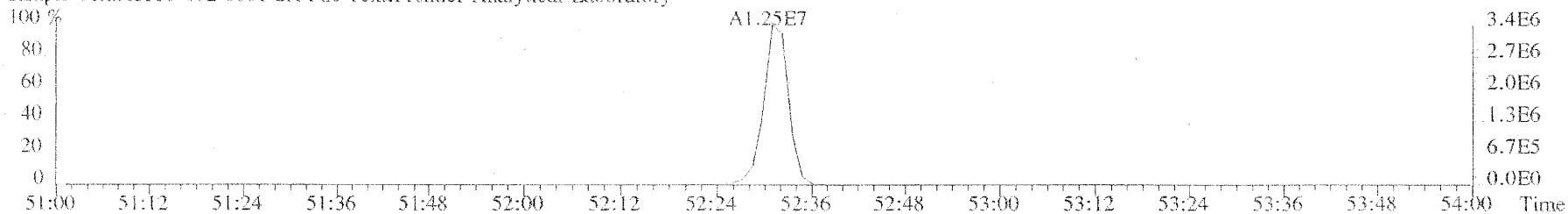
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



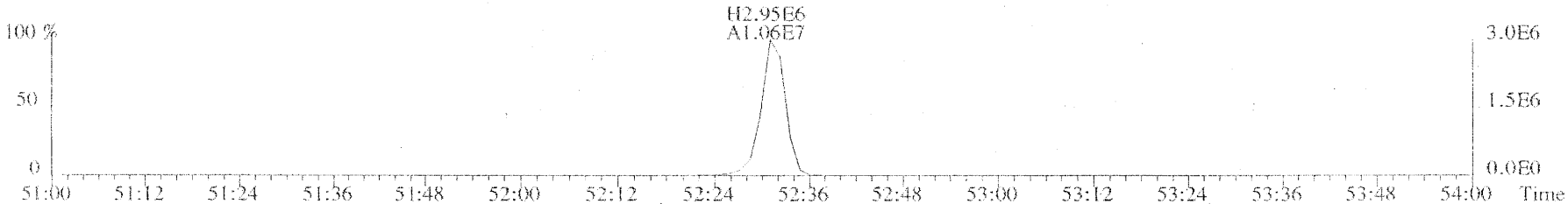
File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 11:28:27 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:13559-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13559-003-0001-SA Filename: 01FEB21Z Sam:6 Acquired: 1-FEB-21 12:26:48 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR-C-CORE ConCal: ST02012121 EndCal: ST02012122
Results: 01FEB21Z GC Column: DB1MS Amount: 10.22

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec
PCB-1	3.57e+05	3.14 y	14:32	1.24	4.05		-	-	*	
13C-PCB-1	6.97e+07	3.20 y	14:31	0.86	1070					110
PCB-2	6.93e+04	2.85 y	16:47	1.26	0.817	J	-	-	*	
PCB-3	3.09e+05	3.05 y	16:59	1.26	3.87		-	-	*	
13C-PCB-3	6.18e+07	3.23 y	16:58	0.84	968					98.9
PCB-4	1.73e+06	1.40 y	18:13	1.16	29.7		-	-	*	
PCB-10	1.53e+05	1.43 y	18:17	1.57	1.55	J	-	-	*	
13C-PCB-4	4.92e+07	1.57 y	18:12	0.67	971					99.2
PCB-9	5.11e+05	1.47 y	19:54	1.54	5.26		-	-	*	
PCB-7	4.85e+05	1.45 y	19:57	1.55	4.97		-	-	*	
PCB-6	2.66e+06	1.53 y	20:32	1.50	28.1		-	-	*	
PCB-8	9.55e+06	1.52 y	20:54	1.52	99.9		-	-	*	
PCB-5	6.34e+05	1.60 y	20:59	1.52	6.62		-	-	*	
PCB-14	*	* n	NotFnd	1.47	*		522	6130	0.713	
PCB-11	4.44e+05	1.46 y	23:06	1.41	4.98		-	-	*	
PCB-13	4.03e+05	1.42 y	23:25	1.42	4.49		-	-	*	
PCB-12	7.17e+05	1.49 y	23:26	1.45	7.83		-	-	*	
PCB-15	6.38e+06	1.49 y	23:46	1.29	65.4		-	-	*	
13C-PCB-15	7.42e+07	1.62 y	23:44	1.01	971					99.3
PCB-19	6.26e+05	1.08 y	22:07	1.25	14.1		-	-	*	
PCB-30	*	* n	NotFnd	1.84	*		3500	1030	0.627	
PCB-18	7.63e+06	1.07 y	23:39	1.26	171		-	-	*	
PCB-17	3.88e+06	1.04 y	23:49	1.40	78.2		-	-	*	
PCB-27	4.95e+05	1.07 y	24:20	1.80	7.73		-	-	*	
PCB-24	5.27e+05	1.03 y	24:21	1.84	8.08		-	-	*	
PCB-16	2.97e+06	0.99 y	24:50	1.55	54.0		-	-	*	
PCB-32	3.18e+06	1.13 y	24:52	1.57	57.1		-	-	*	
13C-PCB-19	3.47e+07	1.08 y	22:05	0.49	935					95.5
13C-PCB-9	7.41e+07	1.62 y	19:52	-	3.54					
PCB-34	1.49e+05	1.18 y	25:37	1.23	1.89	J	-	-	*	
PCB-23	*	* n	NotFnd	1.54	*		1740	1510	0.351	
PCB-29	1.64e+05	1.05 y	25:57	1.38	1.87	J	-	-	*	
PCB-26	4.76e+06	1.09 y	26:08	1.33	56.3		-	-	*	
PCB-25	3.01e+06	1.12 y	26:17	1.30	36.5		-	-	*	
PCB-31	1.75e+07	1.07 y	26:37	1.33	207		-	-	*	
PCB-28	2.77e+07	1.11 y	26:44	1.61	270		-	-	*	
PCB-20	1.28e+07	1.09 y	27:19	1.33	151		-	-	*	Co-elute PCB 21/33
PCB-21	1.28e+07	1.09 y	27:19	1.33	151		-	-	*	Co-elute PCB 20/33
PCB-33	1.28e+07	1.09 y	27:19	1.33	151		-	-	*	Co-elute PCB 20/21
PCB-22	7.94e+06	1.09 y	27:44	1.46	85.6		-	-	*	
PCB-36	*	* n	NotFnd	1.33	*		1740	1510	0.407	
PCB-39	*	* n	NotFnd	1.33	*		1740	1510	0.408	
PCB-38	1.67e+05	1.07 y	29:37	1.43	1.83	J	-	-	*	
PCB-35	4.12e+05	1.13 y	30:02	1.29	5.03		-	-	*	
PCB-37	7.23e+06	1.08 y	30:27	1.35	84.3		-	-	*	
13C-PCB-37	6.23e+07	1.09 y	30:26	1.62	1010					103

PCB-54	5.63e+04	0.84	y	25:39	1.32	0.930	J	-	-	*	
PCB-50	6.48e+04	0.82	y	26:45	1.02	1.38	J	-	-	*	
PCB-53	1.72e+06	0.84	y	27:22	0.99	38.0		-	-	*	
PCB-51	6.14e+05	0.78	y	27:42	1.02	13.1		-	-	*	
PCB-45	1.48e+06	0.79	y	28:06	0.86	37.5		-	-	*	
PCB-46	5.80e+05	0.74	y	28:34	0.83	15.3		-	-	*	
PCB-52	1.76e+07	0.79	y	29:00	1.08	357		-	-	*	Co-elute PCB 69
PCB-69	1.76e+07	0.79	y	29:00	1.08	357		-	-	*	Co-elute PCB 52
PCB-73	2.08e+05	0.73	y	29:06	1.22	3.70		-	-	*	
PCB-43	1.05e+07	0.80	y	29:18	0.91	253		-	-	*	Co-elute PCB 49
PCB-49	1.05e+07	0.80	y	29:18	0.91	253		-	-	*	Co-elute PCB 43
PCB-47	3.82e+06	0.78	y	29:29	0.92	90.4		-	-	*	
PCB-48	2.86e+06	0.79	y	29:36	1.20	51.7		-	-	*	Co-elute PCB 75
PCB-75	2.86e+06	0.79	y	29:36	1.20	51.7		-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*		1230	1510	0.488	
PCB-62	*	*	n	NotFnd	1.22	*		1230	1510	0.493	
PCB-44	9.71e+06	0.79	y	30:16	0.80	264		-	-	*	
PCB-42	4.41e+06	0.78	y	30:29	1.06	90.3		-	-	*	Co-elute PCB 59
PCB-59	4.41e+06	0.78	y	30:29	1.06	90.3		-	-	*	Co-elute PCB 42
PCB-72	1.14e+07	0.78	y	31:02	1.20	208		-	-	*	Co-elute PCB 41/71/64
PCB-41	1.14e+07	0.78	y	31:02	1.20	208		-	-	*	Co-elute PCB 72/71/64
PCB-71	1.14e+07	0.78	y	31:02	1.20	208		-	-	*	Co-elute PCB 72/41/64
PCB-64	1.14e+07	0.78	y	31:02	1.20	208		-	-	*	Co-elute PCB 72/41/71
PCB-68	1.85e+05	0.77	y	31:15	1.36	2.97		-	-	*	
PCB-40	1.57e+06	0.80	y	31:27	0.77	44.7		-	-	*	
PCB-57	1.32e+05	0.77	y	31:48	1.25	2.30		-	-	*	
PCB-67	6.09e+05	0.79	y	32:06	1.29	10.3		-	-	*	
PCB-58	6.80e+04	0.75	y	32:12	1.26	1.18	J	-	-	*	
PCB-63	7.38e+05	0.79	y	32:21	1.31	12.3		-	-	*	
PCB-74	8.67e+06	0.78	y	32:38	1.29	147		-	-	*	
PCB-61	2.02e+07	0.79	y	32:49	1.17	376		-	-	*	Co-elute PCB 70
PCB-70	2.02e+07	0.79	y	32:49	1.17	376		-	-	*	Co-elute PCB 61
PCB-76	1.82e+07	0.79	y	33:02	1.36	292		-	-	*	Co-elute PCB 66
PCB-66	1.82e+07	0.79	y	33:02	1.36	292		-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*		1230	1510	0.392	
PCB-55	5.84e+05	0.75	y	33:29	1.37	9.29		-	-	*	
13C-PCB-54	4.49e+07	0.80	y	25:38	1.25	942					96.3
PCB-104	*	*	n	NotFnd	1.16	*		860	868	0.432	
PCB-96	1.92e+05	1.43	y	31:17	1.13	4.17		-	-	*	
PCB-103	2.52e+05	1.69	y	31:48	0.93	6.64		-	-	*	
PCB-100	1.25e+05	1.42	y	32:09	0.95	3.25		-	-	*	
PCB-94	9.57e+04	1.50	y	32:34	0.78	3.04		-	-	*	
PCB-98	*	*	n	NotFnd	0.88	*		860	868	0.570	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*		860	868	0.570	Co-elute PCB 98
PCB-95	1.57e+07	1.52	y	33:05	0.80	482		-	-	*	
PCB-93	*	*	n	NotFnd	0.76	*		860	868	0.666	
PCB-88	2.78e+06	1.44	y	33:28	0.90	76.3		-	-	*	Co-elute PCB 91
PCB-91	2.78e+06	1.44	y	33:28	0.90	76.3		-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*		860	868	0.465	
13C-PCB-104	3.98e+07	1.57	y	30:07	1.08	969					99.0
13C-PCB-28	6.97e+07	1.05	y	26:42	1.93	951					97.1
13C-PCB-52	3.72e+07	0.79	y	28:59	-	3.45					

PCB-56	1.33e+07	0.79	y	34:01	1.23	195		-	-	*	Co-elute PCB 60
PCB-60	1.33e+07	0.79	y	34:01	1.23	195		-	-	*	Co-elute PCB 56
PCB-79	4.62e+05	0.83	y	35:00	1.29	6.44		-	-	*	
PCB-78	*	*	n	NotFnd	1.27	*		1080	1440	0.478	
PCB-81	7.85e+05	0.76	y	36:12	1.38	10.5		-	-	*	
13C-PCB-81	5.31e+07	0.81	y	36:11	1.60	1010					103
PCB-77	2.21e+06	0.72	y	36:46	1.18	33.1		-	-	*	
13C-PCB-77	5.53e+07	0.80	y	36:45	1.65	1010					104
PCB-155	*	*	n	NotFnd	1.08	*		1380	900	0.473	
PCB-150	7.55e+04	1.35	y	35:28	1.06	1.61	J	-	-	*	
PCB-152	4.91e+04	1.27	y	35:55	1.05	1.06	J	-	-	*	
PCB-145	*	*	n	NotFnd	1.06	*		1380	900	0.485	
PCB-136	4.01e+06	1.26	y	36:38	1.09	83.5		-	-	*	
PCB-148	*	*	n	NotFnd	0.76	*		1380	900	0.672	
PCB-154	4.22e+05	1.32	y	37:12	0.92	10.4		-	-	*	
13C-PCB-155	4.31e+07	1.28	y	34:13	1.30	1000					103
13C-PCB-111	4.06e+07	1.59	y	36:19	1.25	982					100
13C-PCB-101	3.23e+07	1.62	y	34:40	-	3.20					
PCB-84	9.07e+06	1.58	y	34:20	0.71	251		-	-	*	Co-elute PCB 92
PCB-92	9.07e+06	1.58	y	34:20	0.71	251		-	-	*	Co-elute PCB 84
PCB-89	3.08e+05	1.64	y	34:30	0.71	8.53		-	-	*	
PCB-90	2.55e+07	1.57	y	34:41	0.82	614		-	-	*	Co-elute PCB 101
PCB-101	2.55e+07	1.57	y	34:41	0.82	614		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*		1200	1100	0.598	
PCB-99	1.15e+07	1.50	y	35:00	0.87	260		-	-	*	
PCB-119	7.32e+05	1.33	y	35:27	1.02	14.1		-	-	*	
PCB-83	1.16e+06	1.45	y	35:36	0.83	27.4		-	-	*	Co-elute PCB 112
PCB-112	1.16e+06	1.45	y	35:36	0.83	27.4		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*		1200	1100	0.557	
PCB-97	6.77e+06	1.56	y	35:56	0.68	194		-	-	*	
PCB-86	*	*	n	NotFnd	0.78	*		1200	1100	0.716	
PCB-125	1.00e+07	1.57	y	36:12	0.91	216		-	-	*	Co-elute PCB 87/117
PCB-87	1.00e+07	1.57	y	36:12	0.91	216		-	-	*	Co-elute PCB 125/117
PCB-117	1.00e+07	1.57	y	36:12	0.91	216		-	-	*	Co-elute PCB 125/87
PCB-111	6.09e+05	1.32	y	36:21	1.06	11.3		-	-	*	Co-elute PCB 115
PCB-115	6.09e+05	1.32	y	36:21	1.06	11.3		-	-	*	Co-elute PCB 111
PCB-85	3.98e+06	1.51	y	36:27	0.90	87.3		-	-	*	Co-elute PCB 116
PCB-116	3.98e+06	1.51	y	36:27	0.90	87.3		-	-	*	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*		1200	1100	0.526	
PCB-110	3.10e+07	1.54	y	36:50	1.08	566		-	-	*	
PCB-82	2.28e+06	1.51	y	37:26	0.63	71.2		-	-	*	
PCB-124	1.52e+06	1.57	y	38:05	1.23	24.3		-	-	*	
PCB-108	2.45e+06	1.48	y	38:15	1.29	37.1		-	-	*	Co-elute PCB 107
PCB-107	2.45e+06	1.48	y	38:15	1.29	37.1		-	-	*	Co-elute PCB 108
PCB-123	6.17e+05	1.45	y	38:23	1.17	10.9		-	-	*	
13C-PCB-123	4.72e+07	1.59	y	38:21	1.35	1030					105
PCB-118	3.35e+07	1.56	y	38:34	1.22	502		-	-	*	Co-elute PCB 106
PCB-106	3.35e+07	1.56	y	38:34	1.22	502		-	-	*	Co-elute PCB 118
13C-PCB-118	5.33e+07	1.61	y	38:33	1.49	1050					108
PCB-114	8.23e+05	1.53	y	39:11	1.22	13.0		-	-	*	
13C-PCB-114	5.07e+07	1.61	y	39:09	1.43	1040					107
PCB-122	3.92e+05	1.65	y	39:17	1.33	5.81		-	-	*	
PCB-105	1.29e+07	1.57	y	40:00	1.29	204		-	-	*	
13C-PCB-105	4.79e+07	1.61	y	39:58	1.42	995					102

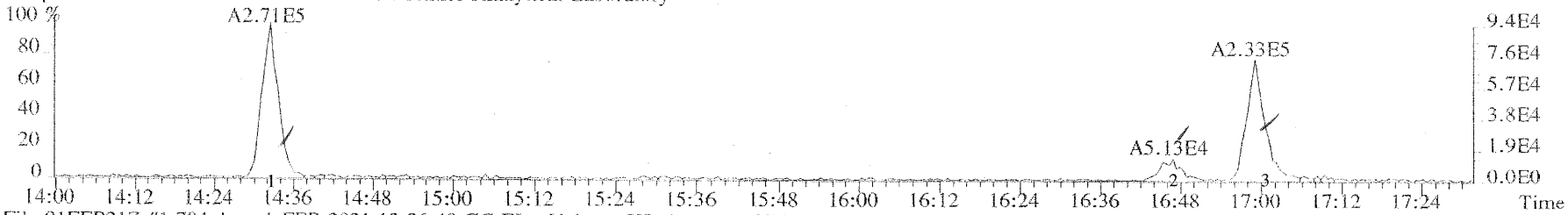
PCB-127	*	*	n	NotFnd	1.18	*		1900	1470	0.694	
PCB-126	1.58e+05	1.43	y	42:07	1.25	2.66		-	-	*	
13C-PCB-126	4.65e+07	1.62	y	42:07	1.29	1050					108
PCB-151	4.75e+06	1.30	y	37:48	1.00	118		-	-	*	
PCB-135	3.09e+06	1.27	y	38:01	1.05	72.9		-	-	*	
PCB-144	1.30e+06	1.23	y	38:08	1.02	31.5		-	-	*	
PCB-147	6.42e+05	1.31	y	38:15	1.10	14.4		-	-	*	
PCB-139	2.17e+07	1.24	y	38:29	1.10	488		-	-	*	Co-elute PCB 149
PCB-149	2.17e+07	1.24	y	38:29	1.10	488		-	-	*	Co-elute PCB 139
PCB-140	2.52e+05	1.27	y	38:41	1.08	5.76		-	-	*	
PCB-143	1.44e+06	1.22	y	39:06	0.90	39.4		-	-	*	Co-elute PCB 134
PCB-134	1.44e+06	1.22	y	39:06	0.90	39.4		-	-	*	Co-elute PCB 143
PCB-131	8.44e+05	1.27	y	39:22	0.90	23.1		-	-	*	Co-elute PCB 133
PCB-133	8.44e+05	1.27	y	39:22	0.90	23.1		-	-	*	Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.92	*		1200	1050	0.772	
PCB-165	4.33e+06	1.22	y	39:44	1.20	89.5		-	-	*	Co-elute PCB 146
PCB-146	4.33e+06	1.22	y	39:44	1.20	89.5		-	-	*	Co-elute PCB 165
PCB-161	9.04e+06	1.21	y	40:00	1.14	197		-	-	*	Co-elute PCB 132
PCB-132	9.04e+06	1.21	y	40:00	1.14	197		-	-	*	Co-elute PCB 161
PCB-153	2.87e+07	1.25	y	40:07	1.21	589		-	-	*	
PCB-168	*	*	n	NotFnd	1.33	*		1200	1050	0.533	
PCB-141	5.15e+06	1.24	y	40:49	1.01	126		-	-	*	
PCB-137	1.51e+06	1.19	y	41:11	0.96	38.9		-	-	*	
PCB-130	1.80e+06	1.23	y	41:17	0.95	47.1		-	-	*	
PCB-138	3.39e+07	1.25	y	41:37	1.21	695		-	-	*	Co-elute PCB 163/164
PCB-163	3.39e+07	1.25	y	41:37	1.21	695		-	-	*	Co-elute PCB 138/164
PCB-164	3.39e+07	1.25	y	41:37	1.21	695		-	-	*	Co-elute PCB 138/163
PCB-158	4.75e+06	1.27	y	41:50	1.34	87.6		-	-	*	Co-elute PCB 160
PCB-160	4.75e+06	1.27	y	41:50	1.34	87.6		-	-	*	Co-elute PCB 158
PCB-129	1.39e+06	1.18	y	42:05	0.89	38.7		-	-	*	
PCB-166	1.53e+05	1.21	y	42:33	1.31	2.88		-	-	*	
PCB-159	2.91e+05	1.23	y	42:53	1.38	5.22		-	-	*	
PCB-128	5.21e+06	1.25	y	43:06	1.13	114		-	-	*	Co-elute PCB 162
PCB-162	5.21e+06	1.25	y	43:06	1.13	114		-	-	*	Co-elute PCB 128
PCB-167	1.68e+06	1.29	y	43:29	1.24	33.4		-	-	*	
13C-PCB-167	3.97e+07	1.28	y	43:27	1.16	1010					103
PCB-156	4.35e+06	1.26	y	44:43	1.29	83.2		-	-	*	
13C-PCB-156	3.96e+07	1.29	y	44:41	1.12	1040					106
PCB-157	9.50e+05	1.25	y	44:58	1.24	18.5		-	-	*	
13C-PCB-157	4.04e+07	1.28	y	44:58	1.15	1030					105
PCB-169	*	*	n	NotFnd	1.17	*		1200	1050	0.591	
13C-PCB-169	3.85e+07	1.31	y	46:50	1.08	1040					107

FAL ID: 13559-003-0001-SA Filename: 01FEB21Z Sam:6 Acquired: 1-FEB-21 12:26:48 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR-C-CORE ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 10.22

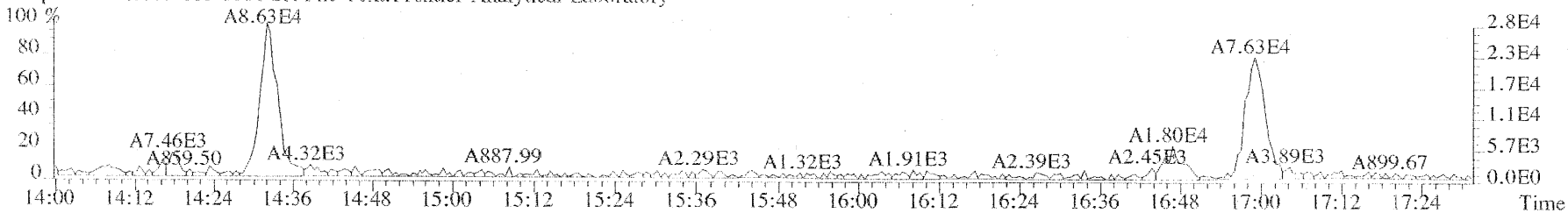
PCB-188	*	*	n	NotFnd	1.12	*	1470	1080	0.651	
13C-PCB-188	3.76e+07	1.06	y	39:44	1.17	946				96.7
PCB-184	*	*	n	NotFnd	1.25	*	1470	1080	0.554	
PCB-179	3.01e+06	1.08	y	40:56	1.18	70.9	-	-	*	
PCB-176	9.72e+05	0.99	y	41:22	1.16	23.5	-	-	*	
PCB-186	*	*	n	NotFnd	1.17	*	1470	1080	0.591	
PCB-178	1.02e+06	1.06	y	42:23	0.84	33.9	-	-	*	
PCB-175	2.08e+05	1.04	y	42:43	0.86	6.74	-	-	*	
PCB-187	6.60e+06	1.07	y	42:53	0.95	193	-	-	*	Co-elute PCB 182
PCB-182	6.60e+06	1.07	y	42:53	0.95	193	-	-	*	Co-elute PCB 187
PCB-183	3.45e+06	1.03	y	43:11	0.94	103	-	-	*	
PCB-185	6.21e+05	1.08	y	43:49	0.86	20.2	-	-	*	
PCB-174	4.91e+06	1.05	y	44:10	0.86	159	-	-	*	
PCB-181	*	*	n	NotFnd	0.87	*	1470	1080	0.800	
PCB-177	2.92e+06	1.05	y	44:25	0.80	102	-	-	*	
PCB-171	1.53e+06	1.07	y	44:43	0.84	50.4	-	-	*	
PCB-173	1.22e+05	1.10	y	45:06	0.77	4.45	-	-	*	
PCB-172	8.32e+05	1.12	y	45:31	0.80	29.1	-	-	*	
PCB-192	*	*	n	NotFnd	1.06	*	1470	1080	0.656	
PCB-180	1.13e+07	1.07	y	45:51	0.82	382	-	-	*	
PCB-193	8.42e+05	1.09	y	46:00	1.13	20.8	-	-	*	
PCB-191	3.29e+05	0.94	y	46:14	1.09	8.39	-	-	*	
PCB-170	4.72e+06	1.03	y	47:08	0.78	169	-	-	*	
PCB-190	1.44e+06	1.09	y	47:18	1.05	38.1	-	-	*	
PCB-189	2.60e+05	1.04	y	48:29	1.08	7.22	-	-	*	
13C-PCB-189	3.25e+07	1.09	y	48:29	1.00	955				97.6
PCB-202	6.41e+05	0.94	y	44:53	1.09	18.5	-	-	*	
PCB-201	4.47e+05	0.98	y	45:19	1.15	12.2	-	-	*	
PCB-204	*	*	n	NotFnd	1.16	*	1410	1090	0.706	
PCB-197	1.44e+05	0.99	y	45:44	1.18	3.81	-	-	*	
PCB-200	4.17e+05	0.89	y	46:28	1.18	11.2	-	-	*	
PCB-198	1.50e+05	0.85	y	47:39	0.84	5.60	-	-	*	
PCB-199	2.32e+06	0.91	y	47:44	0.82	89.0	-	-	*	
PCB-203	2.75e+06	0.92	y	47:59	0.90	96.2	-	-	*	Co-elute PCB 196
PCB-196	2.75e+06	0.92	y	47:59	0.90	96.2	-	-	*	Co-elute PCB 203
13C-PCB-202	3.11e+07	0.90	y	44:51	0.98	935				95.5
13C-PCB-178	2.72e+07	1.07	y	42:23	0.83	964				98.5
13C-PCB-138	3.33e+07	1.28	y	41:35	-	3.16				
PCB-195	1.09e+06	0.89	y	49:05	0.97	31.9	-	-	*	
PCB-194	2.70e+06	0.92	y	49:53	1.00	77.0	-	-	*	
PCB-205	2.03e+05	0.93	y	50:08	1.22	4.77	-	-	*	
13C-PCB-205	3.42e+07	0.90	y	50:07	1.28	1020				104
PCB-208	3.91e+05	1.32	y	49:12	1.13	10.3	-	-	*	
13C-PCB-208	3.29e+07	0.79	y	49:10	1.23	1030				105
PCB-207	2.02e+05	1.17	y	49:30	1.32	5.47	-	-	*	
PCB-206	1.05e+06	1.38	y	51:20	1.15	40.8	-	-	*	
13C-PCB-206	2.19e+07	0.80	y	51:19	0.89	950				97.0
PCB-209	4.41e+05	1.11	y	52:31	1.20	14.8	-	-	*	
13C-PCB-209	2.44e+07	1.19	y	52:31	1.03	912				93.3
13C-PCB-194	2.55e+07	0.91	y	49:52	-	2.80				

Analyst: _____ Date: 2/2/21

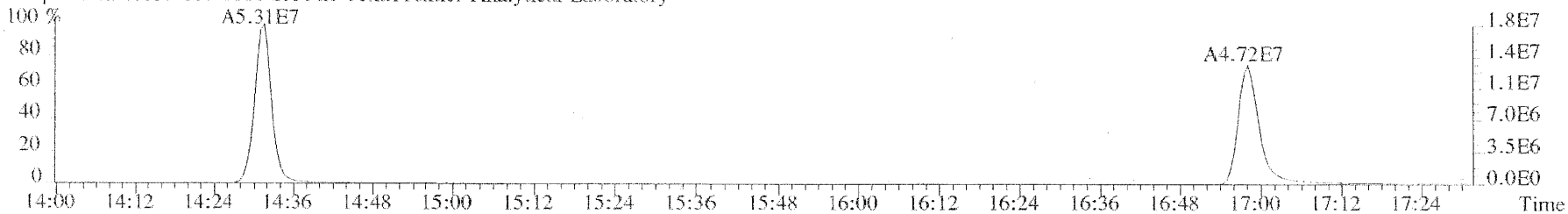
File:01FEB21Z #1-784 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



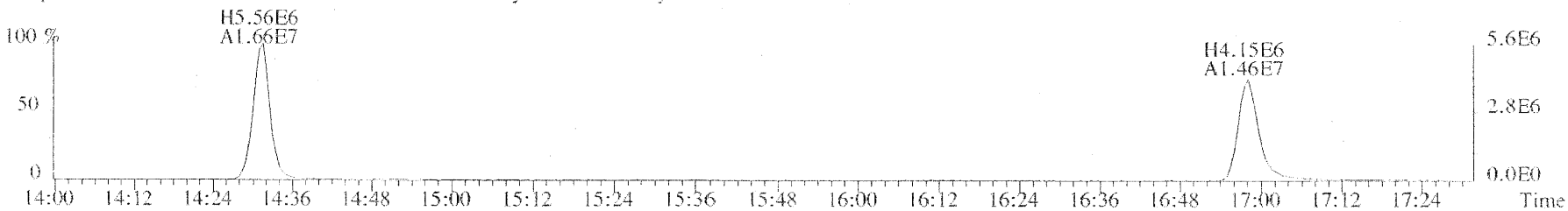
File:01FEB21Z #1-784 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



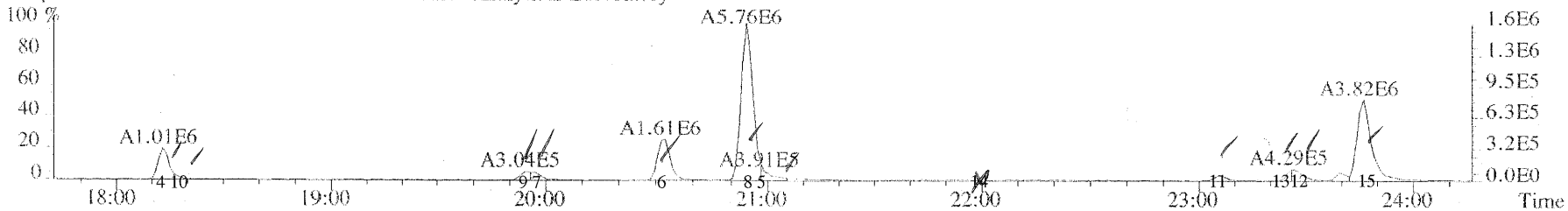
File:01FEB21Z #1-784 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



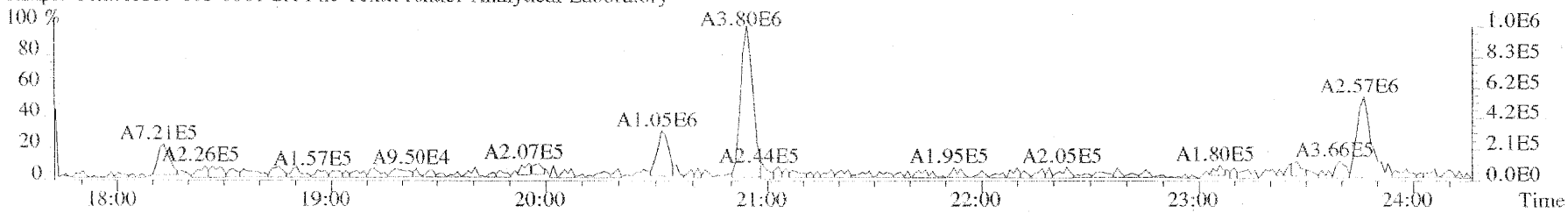
File:01FEB21Z #1-784 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



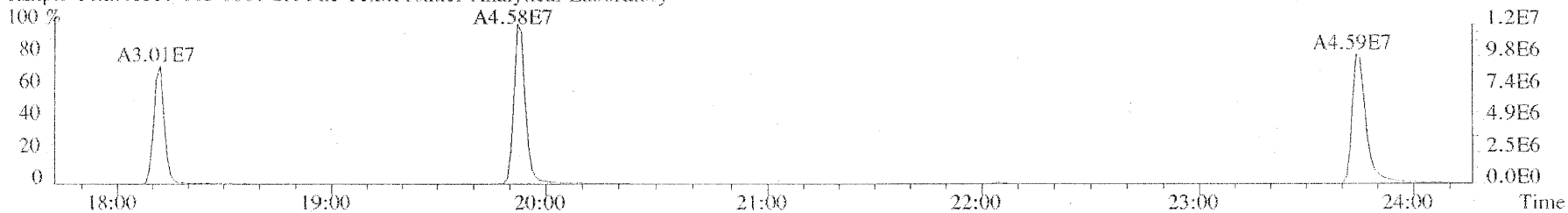
File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



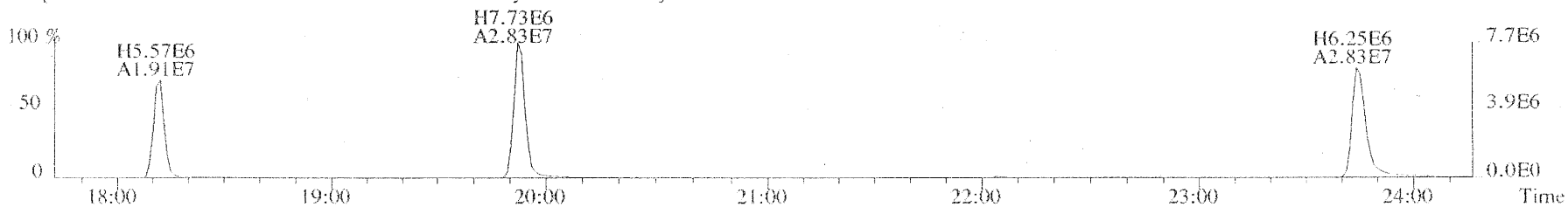
File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



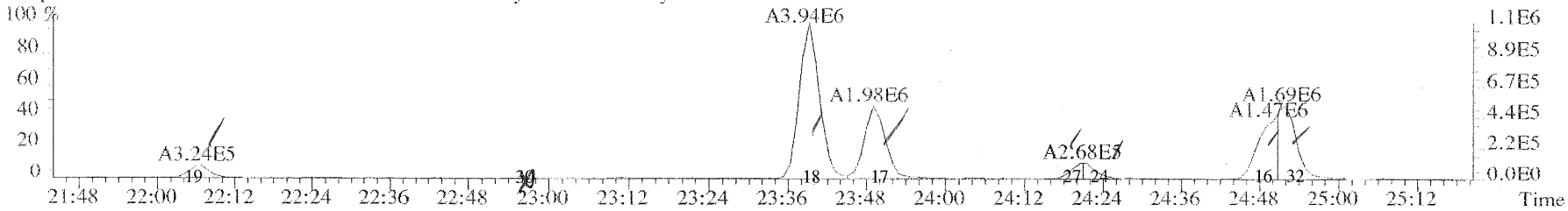
File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



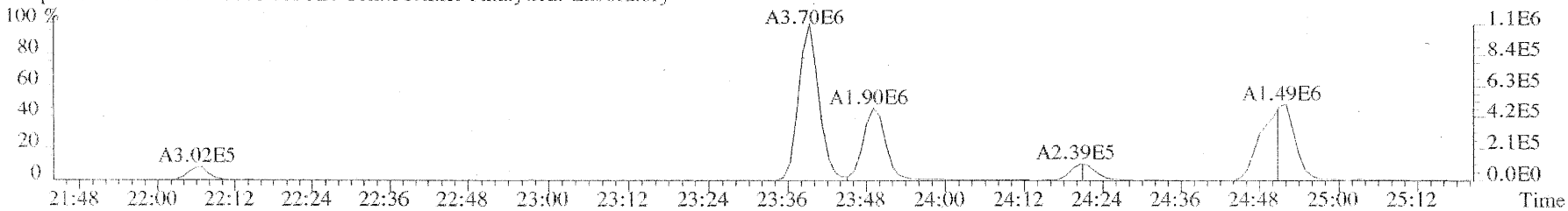
File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-467 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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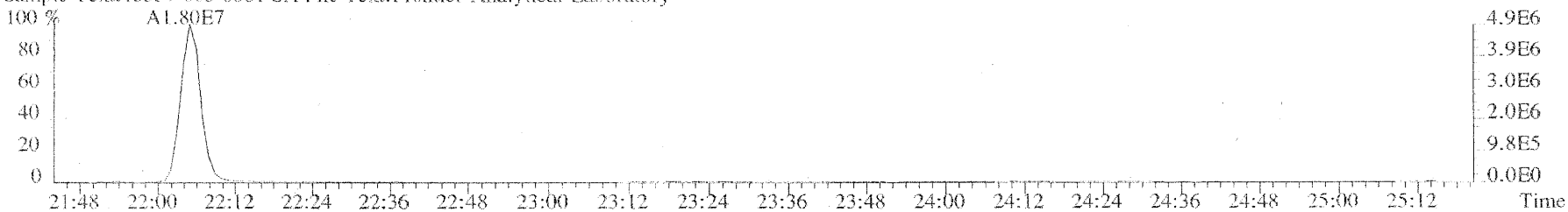
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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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
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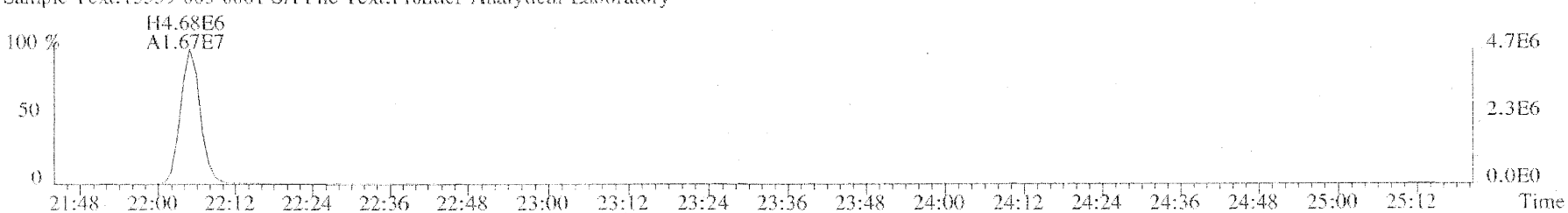
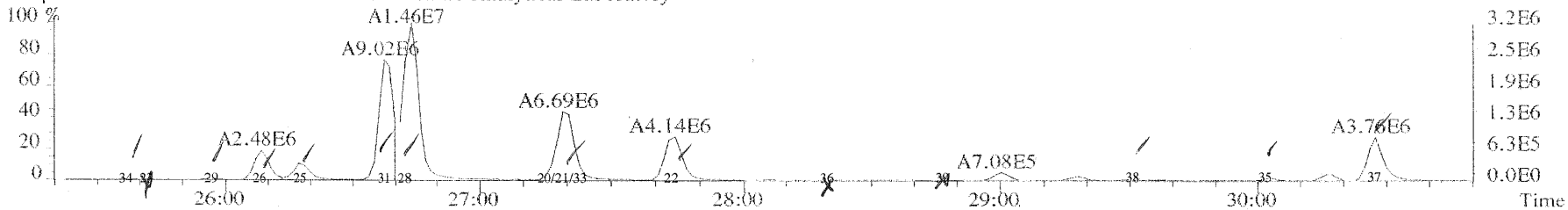
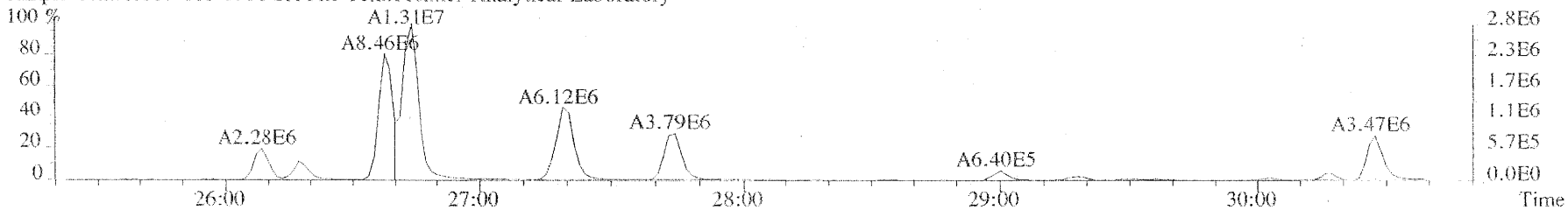


File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
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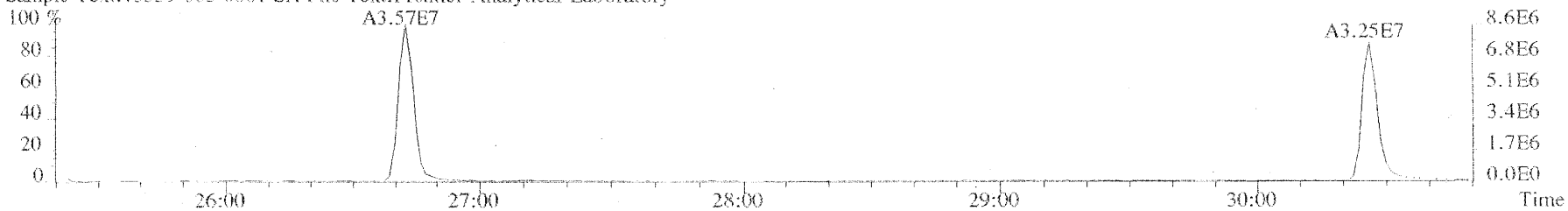

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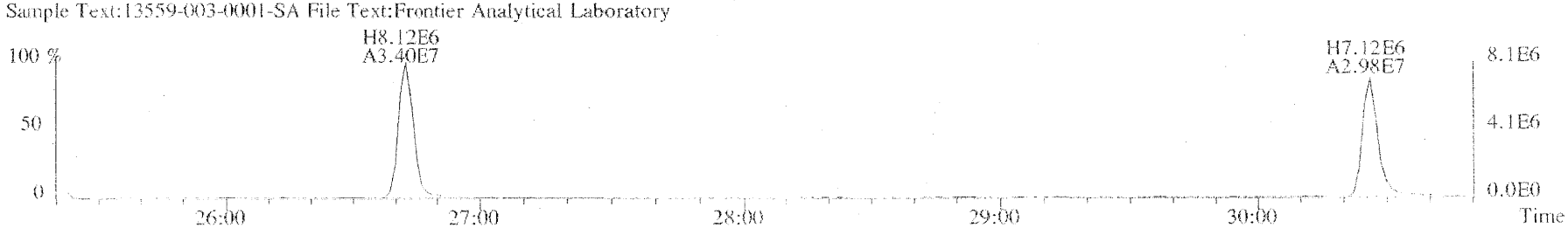
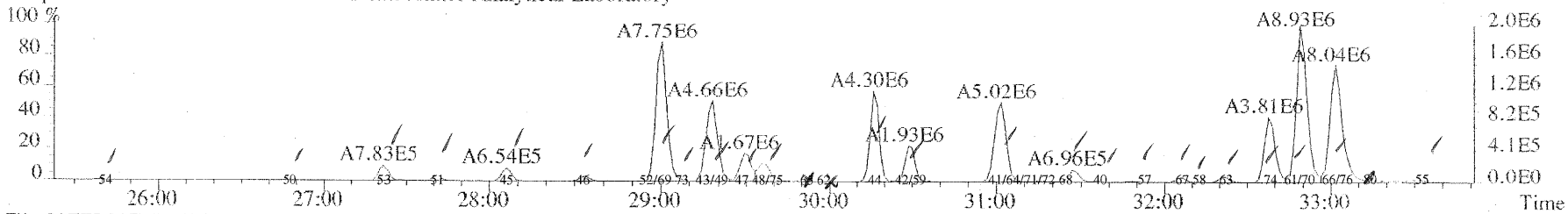
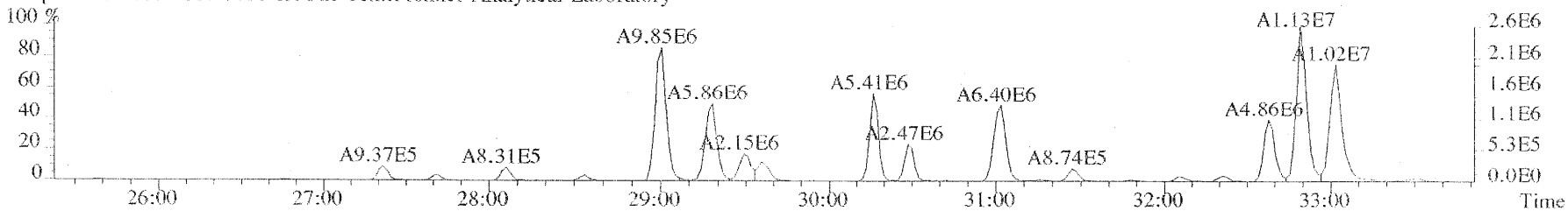


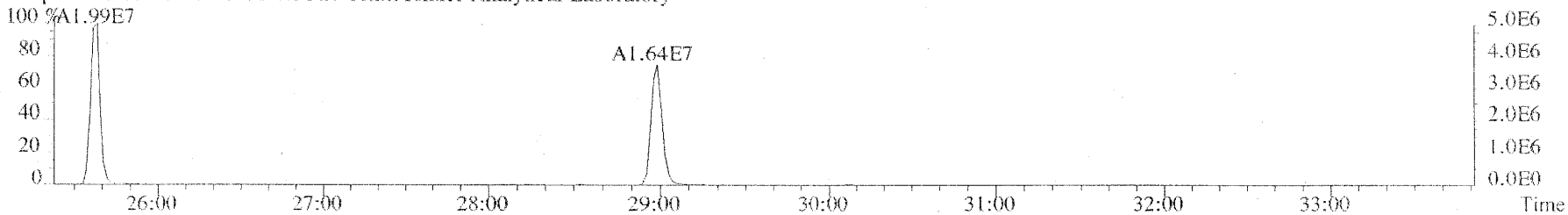
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



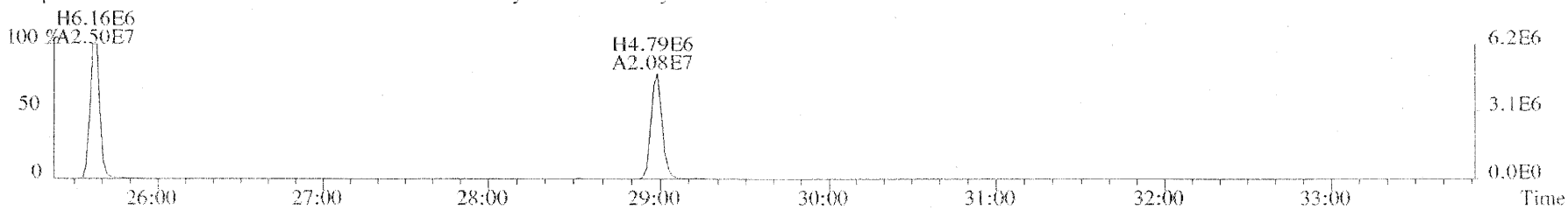
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



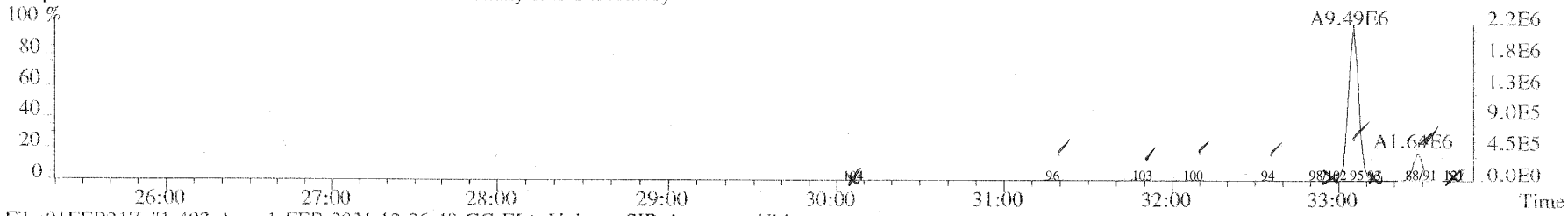
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



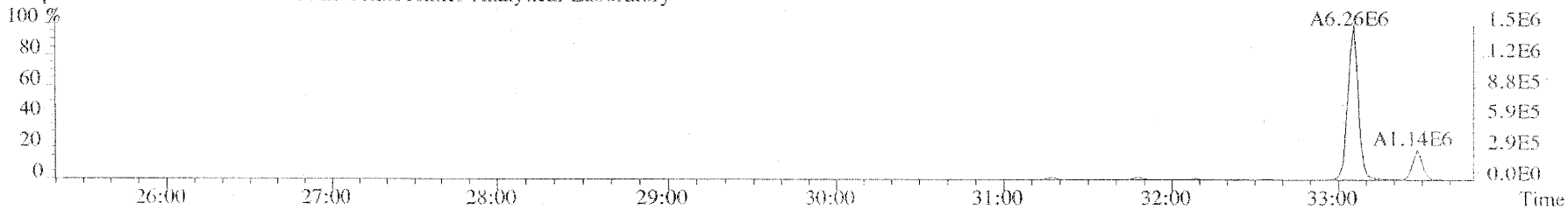
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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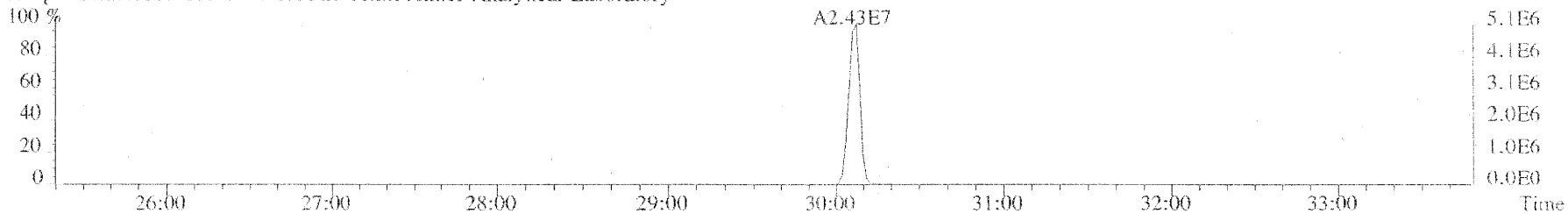
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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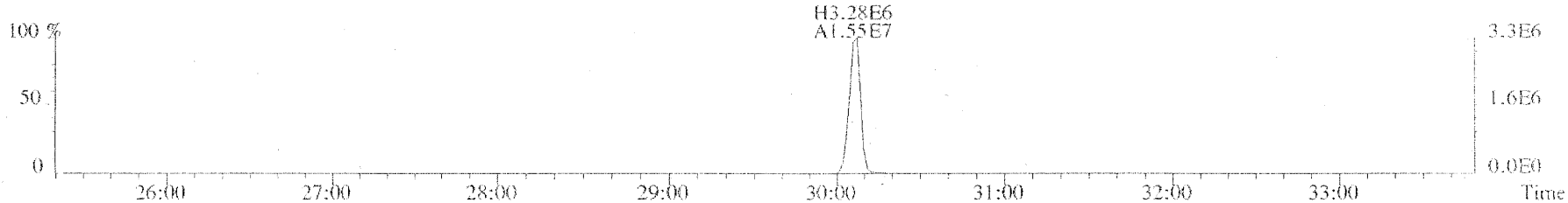
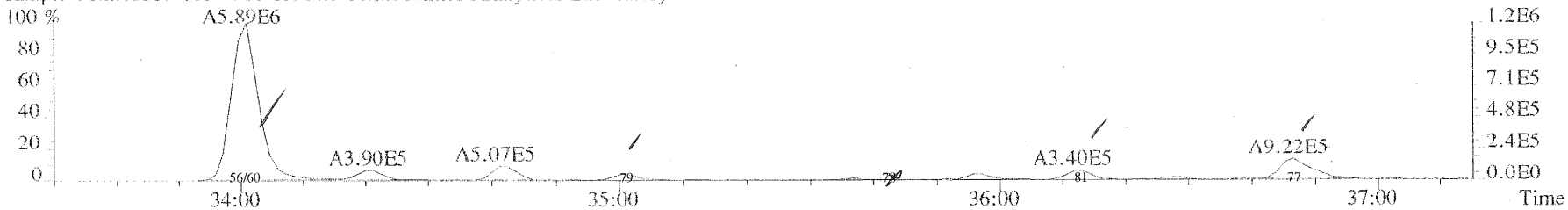
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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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
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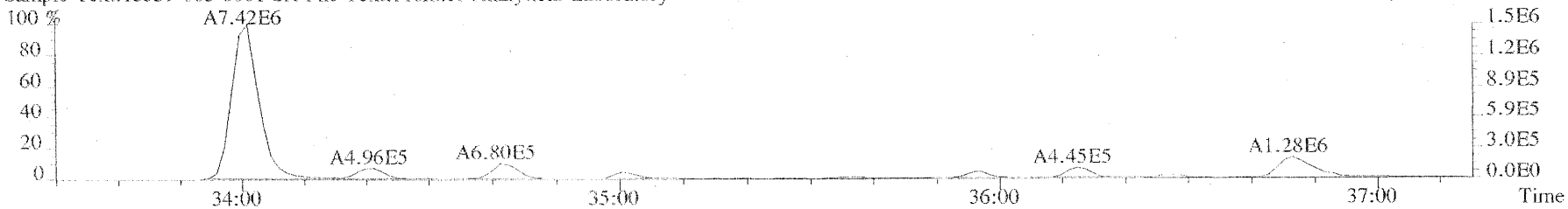
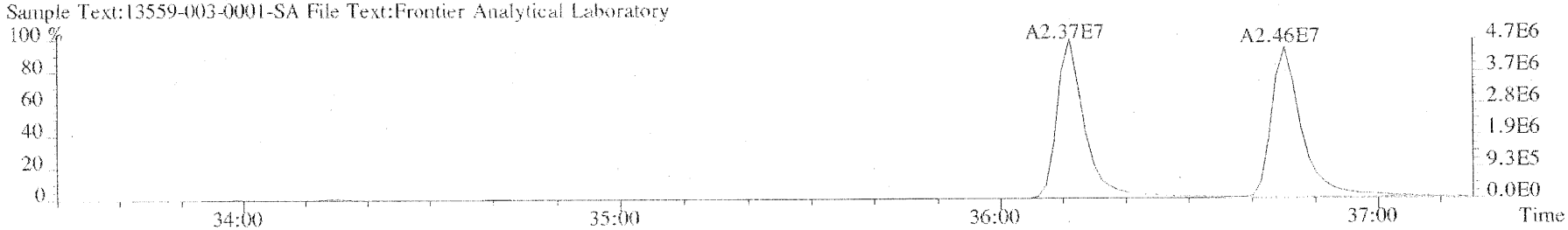


File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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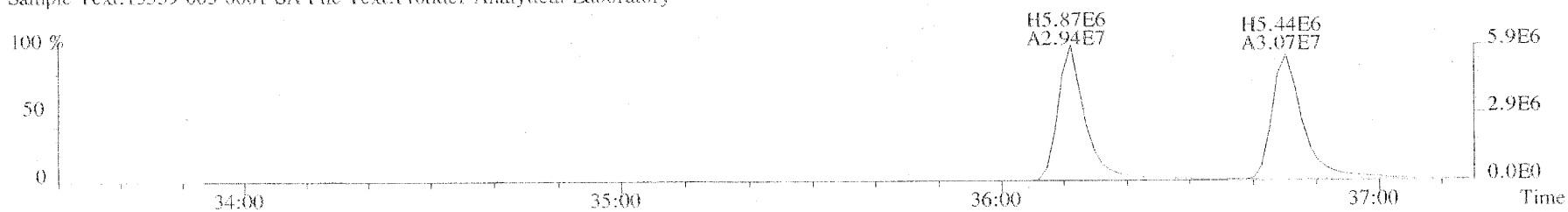

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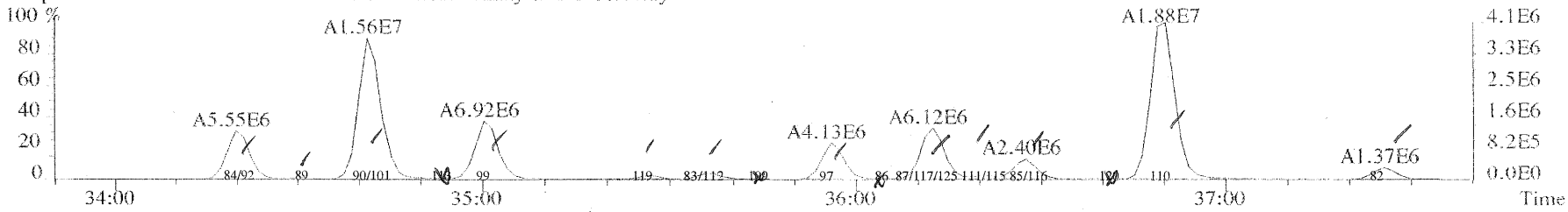
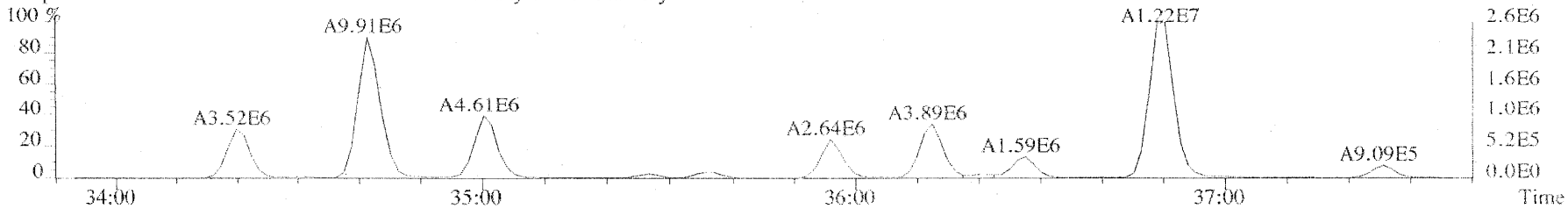
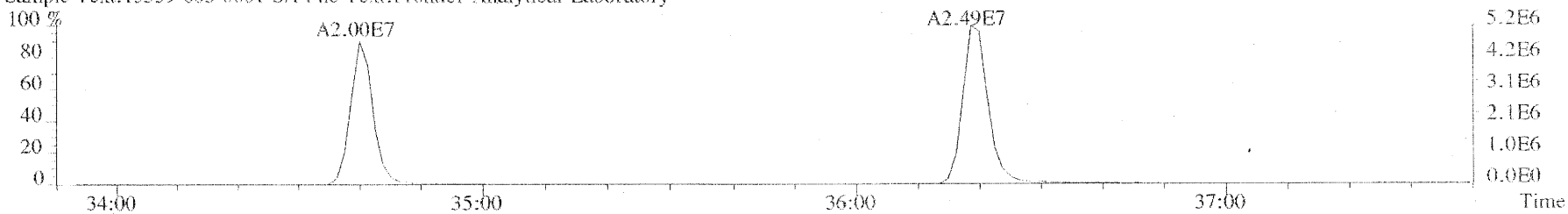
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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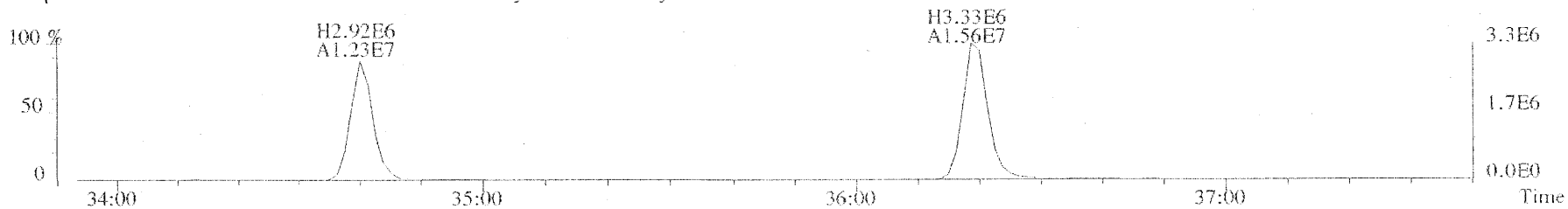
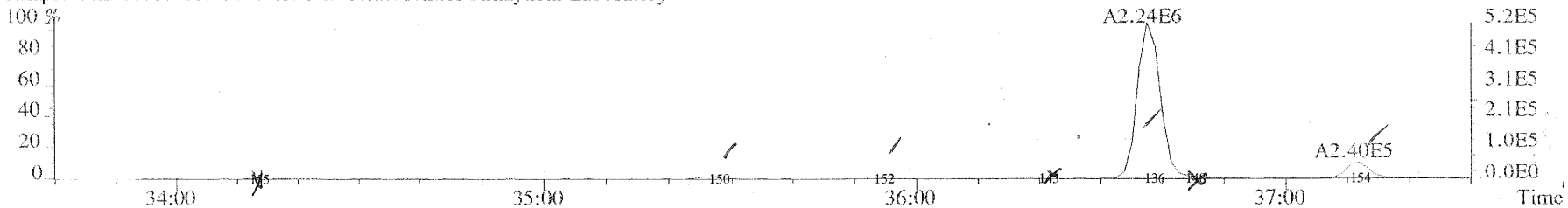
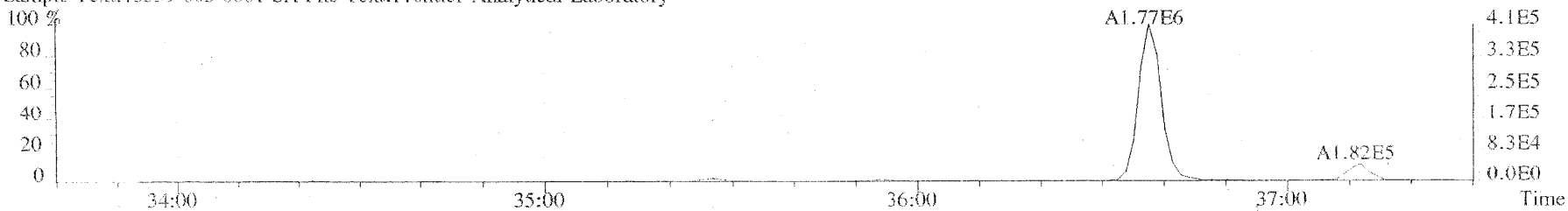
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



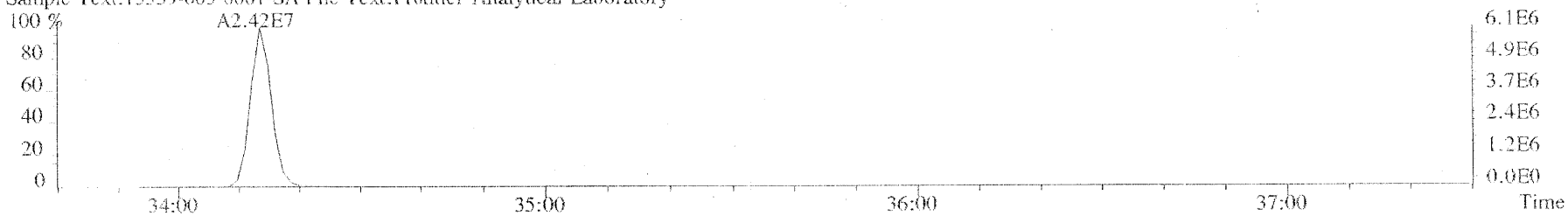
File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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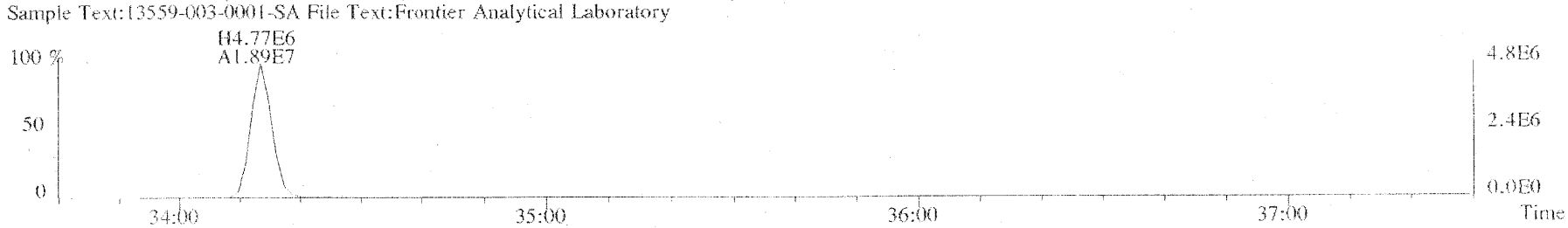
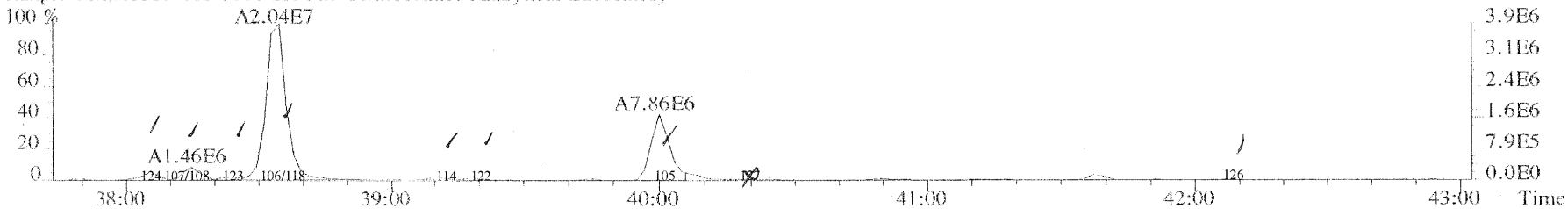
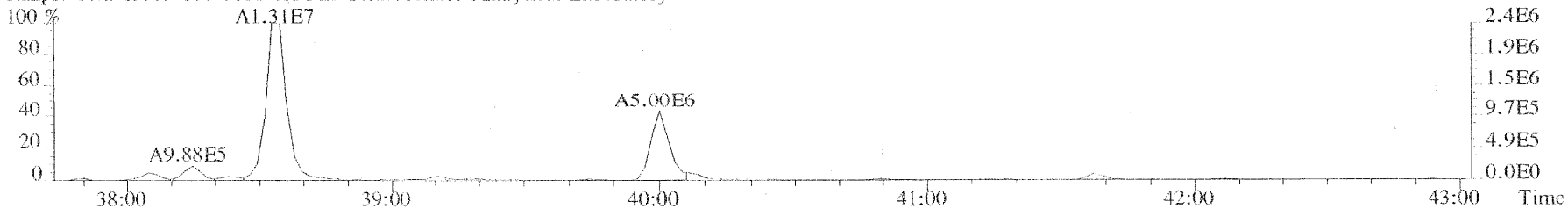
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
325.8804 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
327.8775 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



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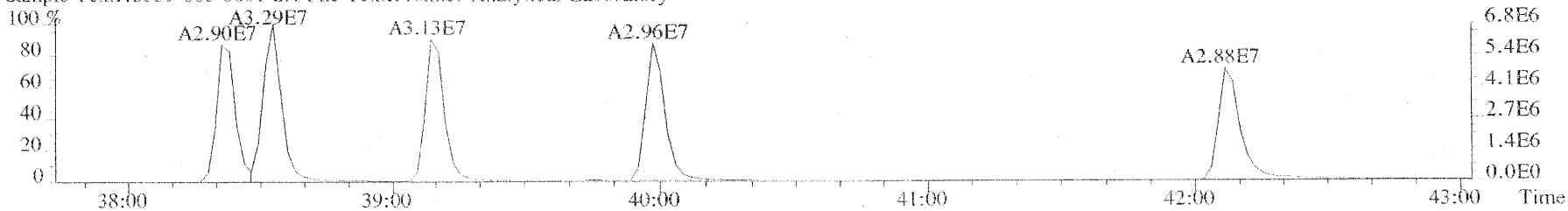
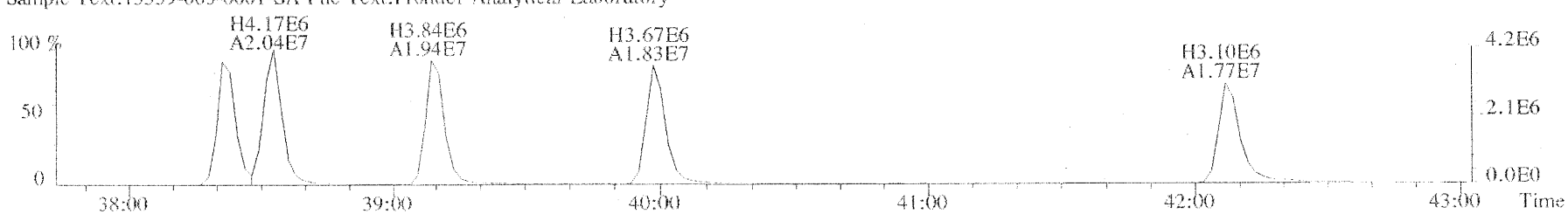
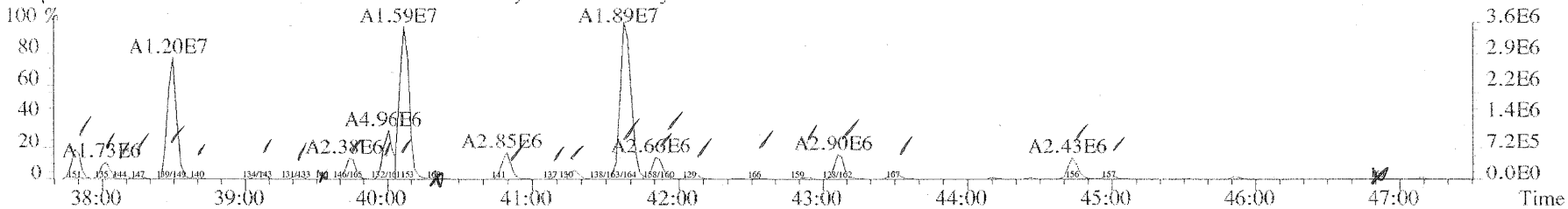
337.9207 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



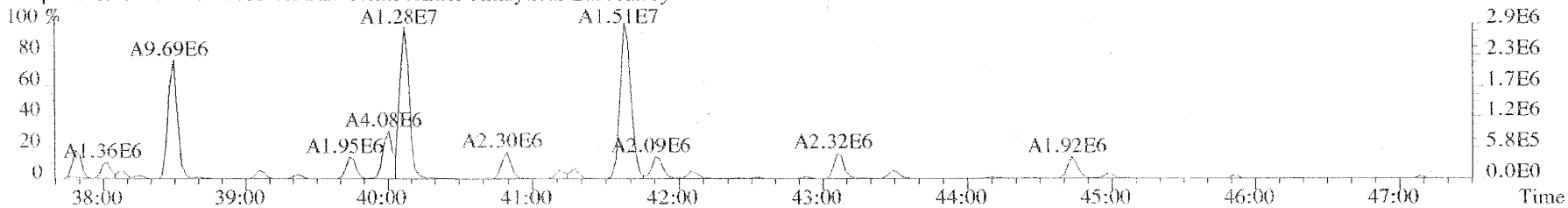
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



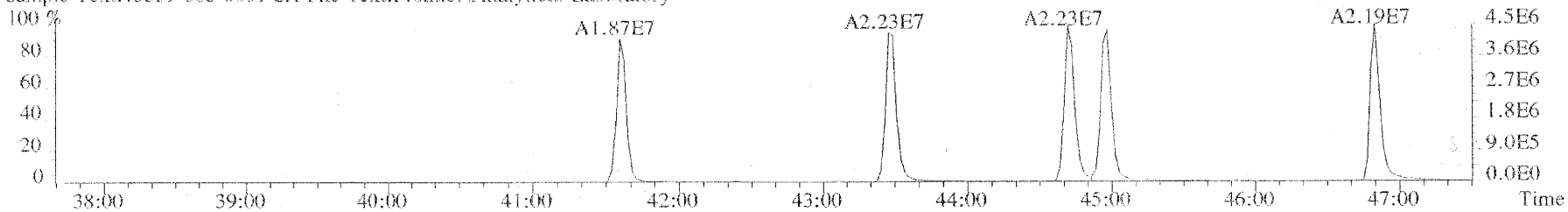
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



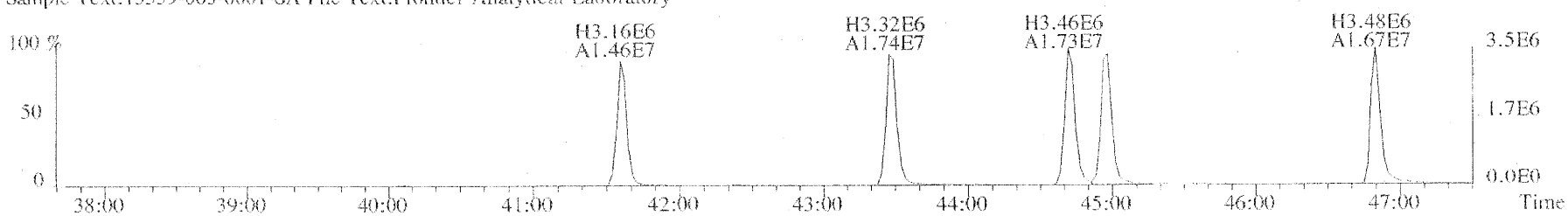
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



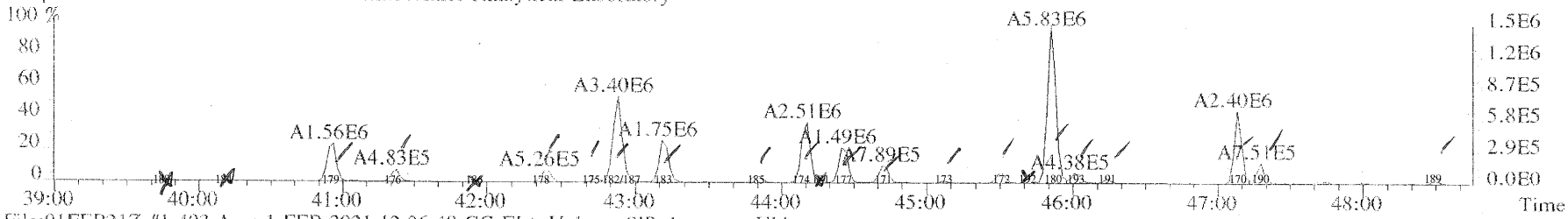
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



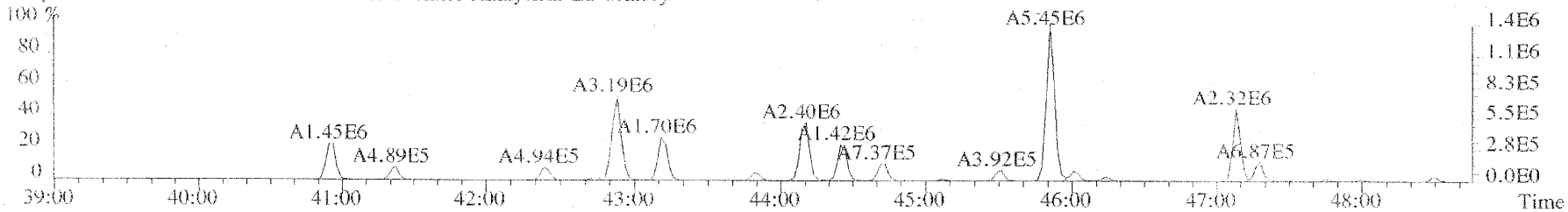
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



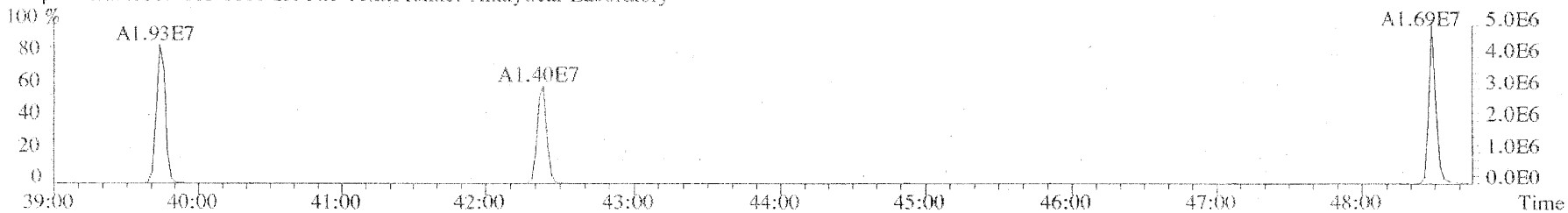
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



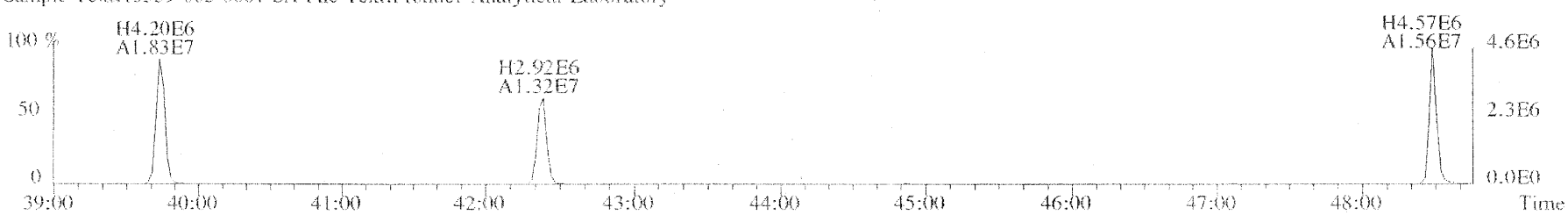
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



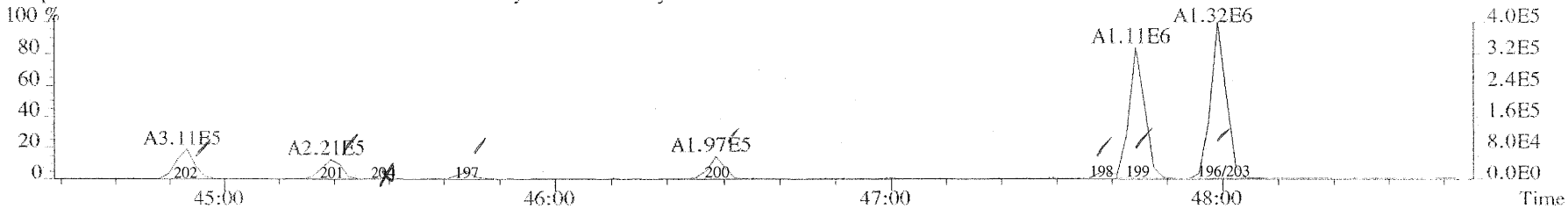
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



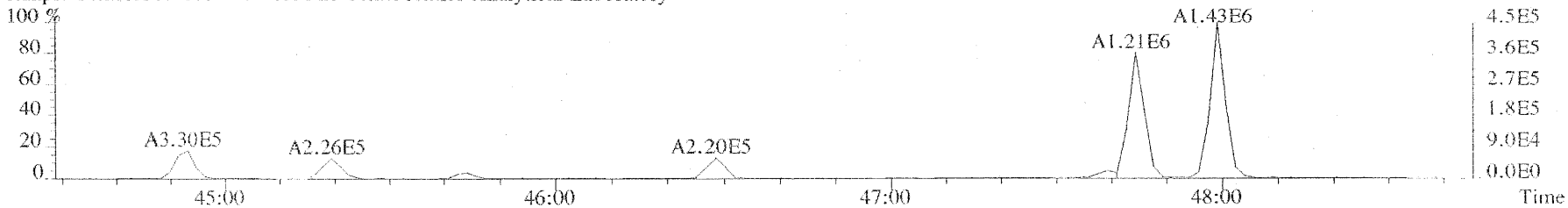
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



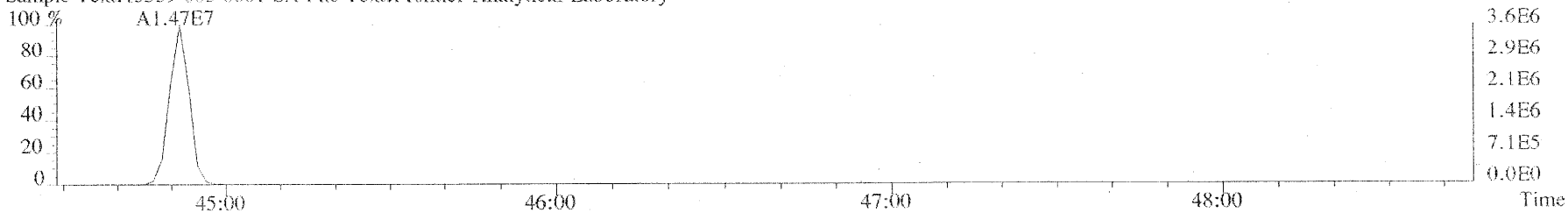
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



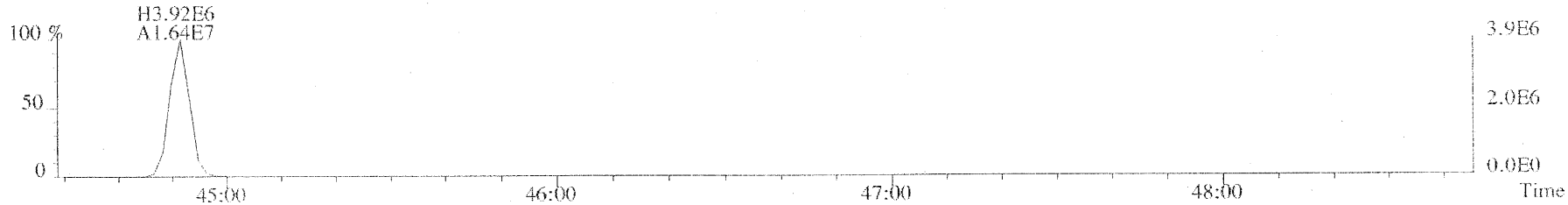
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



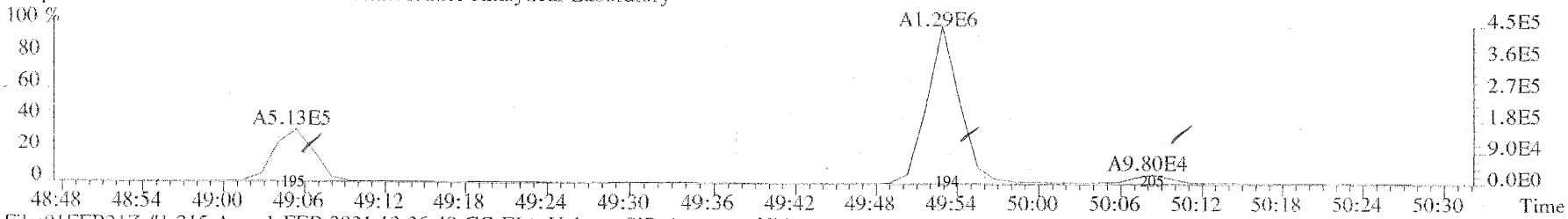
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



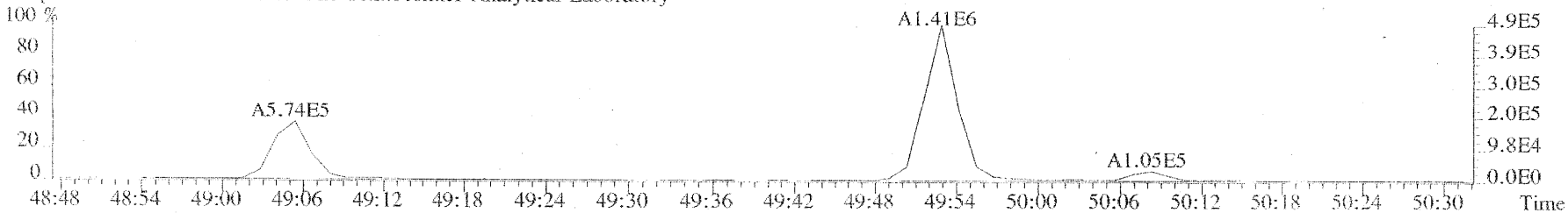
File:01FEB21Z #1-403 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



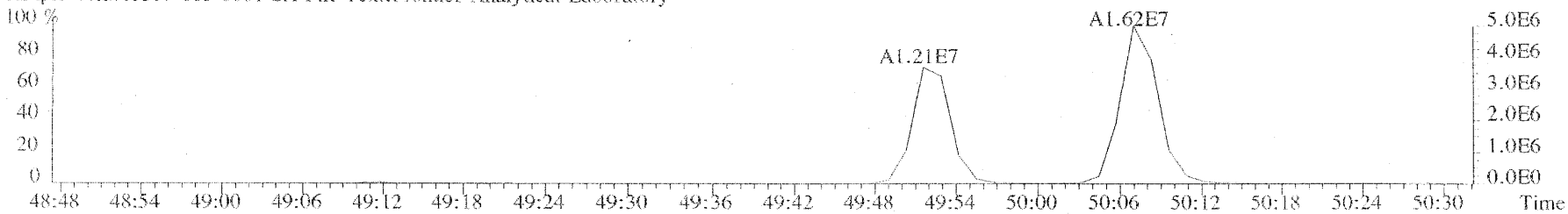
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



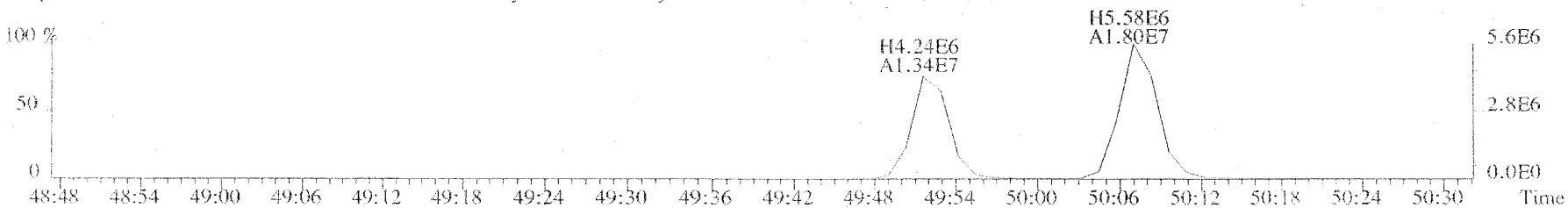
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



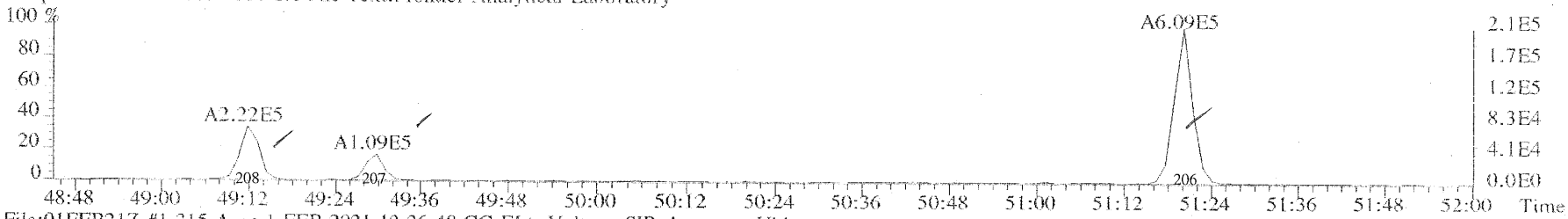
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



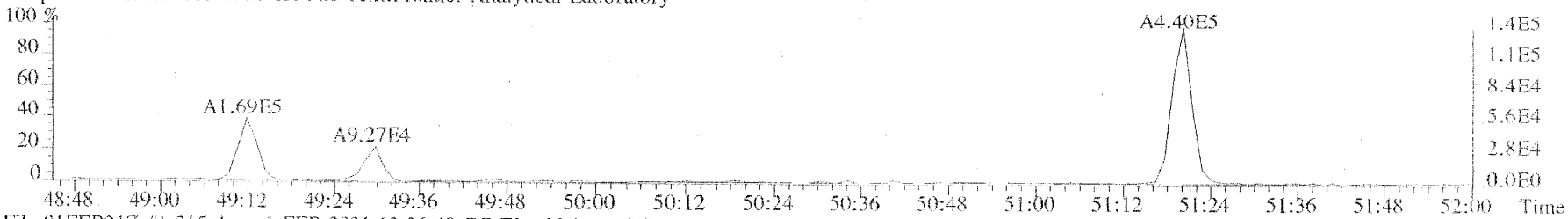
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



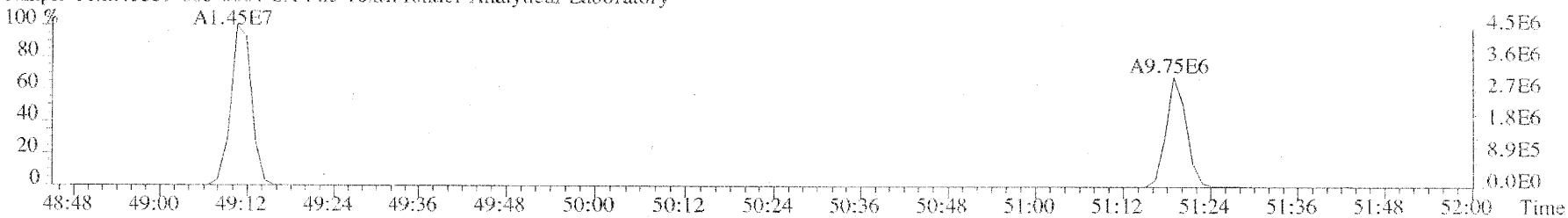
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



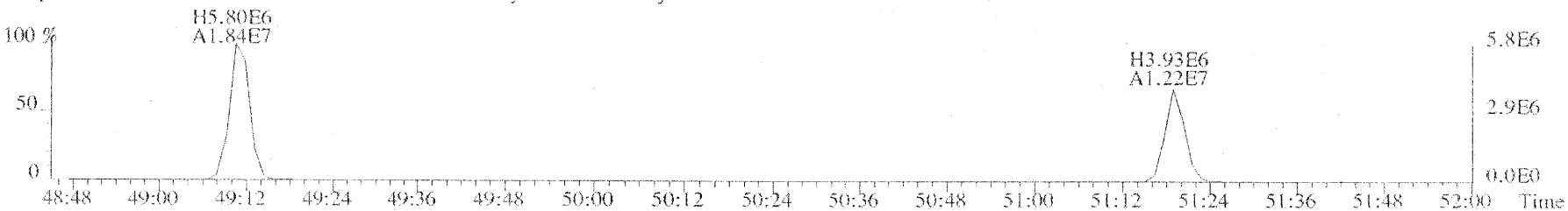
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



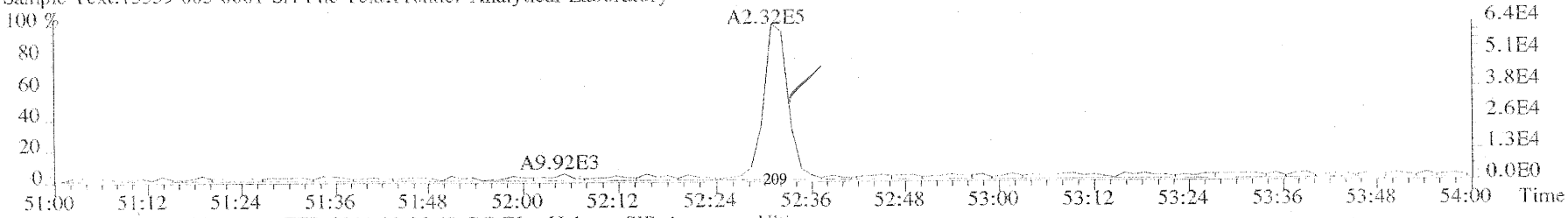
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



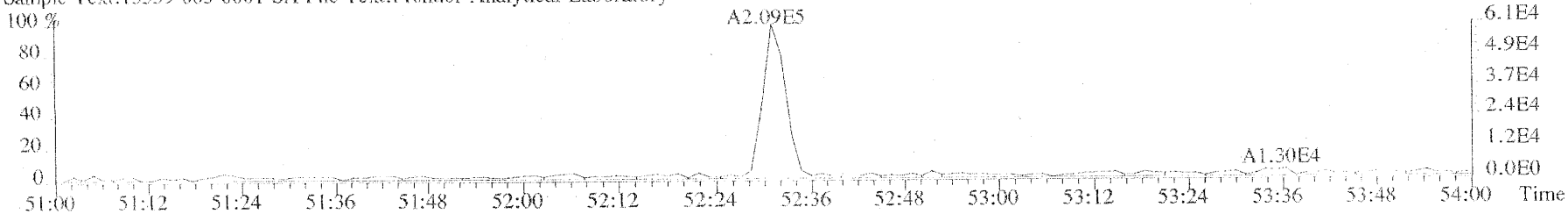
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



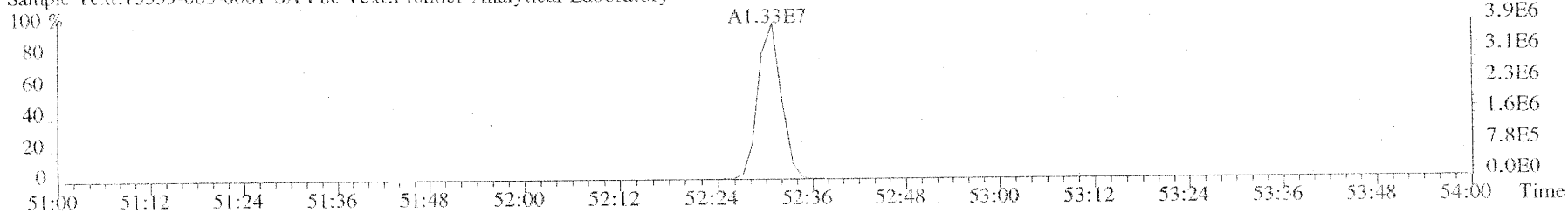
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



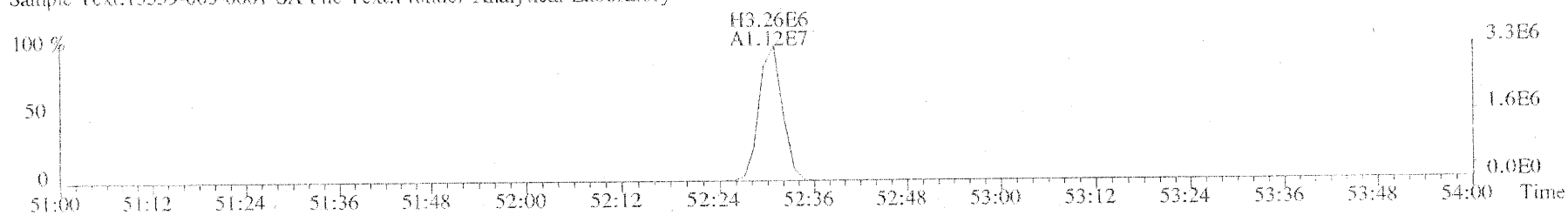
File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 12:26:48 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:13559-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13559-004-0001-SA Filename: 01FEB21Z Sam:7 Acquired: 1-FEB-21 13:25:09 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-CORE ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 9.990

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec
PCB-1	3.83e+06	3.11 y	14:33	1.24	34.1		-	-	*	
13C-PCB-1	9.06e+07	3.19 y	14:32	0.86	970					96.9
PCB-2	2.89e+05	2.77 y	16:46	1.26	2.53		-	-	*	
PCB-3	2.71e+06	3.02 y	16:59	1.26	23.7		-	-	*	
13C-PCB-3	9.04e+07	3.19 y	16:58	0.84	986					98.5
PCB-4	6.25e+06	1.49 y	18:14	1.16	81.5		-	-	*	
PCB-10	5.40e+05	1.61 y	18:17	1.57	4.04		-	-	*	
13C-PCB-4	6.63e+07	1.59 y	18:12	0.67	912					91.1
PCB-9	1.96e+06	1.45 y	19:55	1.54	14.9		-	-	*	
PCB-7	2.28e+06	1.52 y	19:57	1.55	17.3		-	-	*	
PCB-6	9.67e+06	1.39 y	20:32	1.50	75.8		-	-	*	
PCB-8	3.44e+07	1.53 y	20:55	1.52	267		-	-	*	
PCB-5	1.14e+06	1.54 y	21:00	1.52	8.86		-	-	*	
PCB-14	*	* n	NotFnd	1.47	*		931	5880	0.512	
PCB-11	9.58e+05	1.49 y	23:07	1.41	7.99		-	-	*	
PCB-13	1.15e+06	1.49 y	23:26	1.42	9.53		-	-	*	
PCB-12	2.14e+06	1.43 y	23:27	1.45	17.3		-	-	*	
PCB-15	1.63e+07	1.37 y	23:47	1.29	122		-	-	*	
13C-PCB-15	1.04e+08	1.61 y	23:46	1.01	946					94.5
PCB-19	2.66e+06	1.04 y	22:07	1.25	47.9		-	-	*	
PCB-30	*	* n	NotFnd	1.84	*		3440	1420	0.550	
PCB-18	3.23e+07	1.05 y	23:41	1.26	579		-	-	*	
PCB-17	1.58e+07	1.04 y	23:51	1.40	256		-	-	*	
PCB-27	1.75e+06	1.00 y	24:21	1.80	21.9		-	-	*	
PCB-24	2.16e+06	1.17 y	24:22	1.84	26.6		-	-	*	
PCB-16	1.26e+07	1.05 y	24:52	1.55	183		-	-	*	
PCB-32	1.22e+07	1.08 y	24:53	1.57	176		-	-	*	
13C-PCB-19	4.43e+07	1.08 y	22:06	0.49	830					82.9
13C-PCB-9	1.09e+08	1.61 y	19:53	-	5.33					
PCB-34	7.96e+05	1.12 y	25:38	1.23	11.0		-	-	*	
PCB-23	*	* n	NotFnd	1.54	*		1290	880	0.413	
PCB-29	5.43e+05	1.09 y	25:58	1.38	6.72		-	-	*	
PCB-26	1.53e+07	1.09 y	26:09	1.33	197		-	-	*	
PCB-25	8.69e+06	1.09 y	26:19	1.30	114		-	-	*	
PCB-31	7.29e+07	1.07 y	26:38	1.33	935		-	-	*	
PCB-28	7.96e+07	1.10 y	26:45	1.61	842		-	-	*	
PCB-20	4.07e+07	1.05 y	27:21	1.33	519		-	-	*	Co-elute PCB 21/33
PCB-21	4.07e+07	1.05 y	27:21	1.33	519		-	-	*	Co-elute PCB 20/33
PCB-33	4.07e+07	1.05 y	27:21	1.33	519		-	-	*	Co-elute PCB 20/21
PCB-22	2.34e+07	1.09 y	27:45	1.46	274		-	-	*	
PCB-36	*	* n	NotFnd	1.33	*		1290	880	0.479	
PCB-39	*	* n	NotFnd	1.33	*		1290	880	0.480	
PCB-38	5.40e+05	1.00 y	29:33	1.43	6.43		-	-	*	
PCB-35	*	* n	NotFnd	1.29	*		1290	880	0.495	
PCB-37	1.29e+07	1.06 y	30:34	1.35	164		-	-	*	
13C-PCB-37	5.88e+07	1.07 y	30:32	1.62	823					82.2

PCB-54	1.72e+05	0.78	y	25:40	1.32	2.32		-	-	*	
PCB-50	1.98e+05	0.75	y	26:46	1.02	3.46		-	-	*	
PCB-53	7.60e+06	0.79	y	27:23	0.99	137		-	-	*	
PCB-51	2.28e+06	0.82	y	27:43	1.02	39.8		-	-	*	
PCB-45	6.00e+06	0.78	y	28:07	0.86	124		-	-	*	
PCB-46	2.29e+06	0.79	y	28:35	0.83	49.3		-	-	*	
PCB-52	6.99e+07	0.79	y	29:02	1.08	1160		-	-	*	Co-elute PCB 69
PCB-69	6.99e+07	0.79	y	29:02	1.08	1160		-	-	*	Co-elute PCB 52
PCB-73	7.08e+05	0.79	y	29:09	1.22	10.3		-	-	*	
PCB-43	4.22e+07	0.77	y	29:20	0.91	829		-	-	*	Co-elute PCB 49
PCB-49	4.22e+07	0.77	y	29:20	0.91	829		-	-	*	Co-elute PCB 43
PCB-47	1.42e+07	0.78	y	29:32	0.92	275		-	-	*	
PCB-48	1.02e+07	0.80	y	29:39	1.20	151		-	-	*	Co-elute PCB 75
PCB-75	1.02e+07	0.80	y	29:39	1.20	151		-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*		1780	3400	0.766	
PCB-62	*	*	n	NotFnd	1.22	*		1780	3400	0.773	
PCB-44	3.10e+07	0.79	y	30:21	0.80	687		-	-	*	
PCB-42	1.32e+07	0.79	y	30:36	1.06	222		-	-	*	Co-elute PCB 59
PCB-59	1.32e+07	0.79	y	30:36	1.06	222		-	-	*	Co-elute PCB 42
PCB-72	3.31e+07	0.78	y	31:14	1.20	491		-	-	*	Co-elute PCB 41/71/64
PCB-41	3.31e+07	0.78	y	31:14	1.20	491		-	-	*	Co-elute PCB 72/71/64
PCB-71	3.31e+07	0.78	y	31:14	1.20	491		-	-	*	Co-elute PCB 72/41/64
PCB-64	3.31e+07	0.78	y	31:14	1.20	491		-	-	*	Co-elute PCB 72/41/71
PCB-68	4.37e+05	0.86	y	31:30	1.36	5.75		-	-	*	
PCB-40	3.96e+06	0.77	y	31:42	0.77	92.1		-	-	*	
PCB-57	3.49e+05	0.76	y	32:03	1.25	4.97		-	-	*	
PCB-67	2.33e+06	0.82	y	32:15	1.29	32.1		-	-	*	
PCB-58	3.27e+05	0.80	y	32:20	1.26	4.63		-	-	*	
PCB-63	3.18e+06	0.78	y	32:29	1.31	43.4		-	-	*	
PCB-74	3.60e+07	0.78	y	32:45	1.29	498		-	-	*	
PCB-61	8.29e+07	0.78	y	32:55	1.17	1260		-	-	*	Co-elute PCB 70
PCB-70	8.29e+07	0.78	y	32:55	1.17	1260		-	-	*	Co-elute PCB 61
PCB-76	7.38e+07	0.79	y	33:06	1.36	966		-	-	*	Co-elute PCB 66
PCB-66	7.38e+07	0.79	y	33:06	1.36	966		-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*		1780	3400	0.615	
PCB-55	1.66e+06	0.83	y	33:34	1.37	21.5		-	-	*	
13C-PCB-54	5.62e+07	0.80	y	25:39	1.25	1020					102
PCB-104	*	*	n	NotFnd	1.16	*		736	560	0.450	
PCB-96	4.60e+05	1.45	y	31:30	1.13	10.6		-	-	*	
PCB-103	9.97e+05	1.61	y	32:02	0.93	27.9		-	-	*	
PCB-100	4.31e+05	1.59	y	32:17	0.95	11.9		-	-	*	
PCB-94	3.71e+05	1.50	y	32:41	0.78	12.5		-	-	*	
PCB-98	*	*	n	NotFnd	0.88	*		736	560	0.593	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*		736	560	0.593	Co-elute PCB 98
PCB-95	6.83e+07	1.56	y	33:10	0.80	2220		-	-	*	
PCB-93	*	*	n	NotFnd	0.76	*		736	560	0.694	
PCB-88	1.10e+07	1.51	y	33:33	0.90	320		-	-	*	Co-elute PCB 91
PCB-91	1.10e+07	1.51	y	33:33	0.90	320		-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*		736	560	0.484	
13C-PCB-104	3.84e+07	1.61	y	30:09	1.08	809					80.8
13C-PCB-28	8.87e+07	1.06	y	26:43	1.93	1050					105
13C-PCB-52	4.40e+07	0.79	y	29:00	-	4.17					

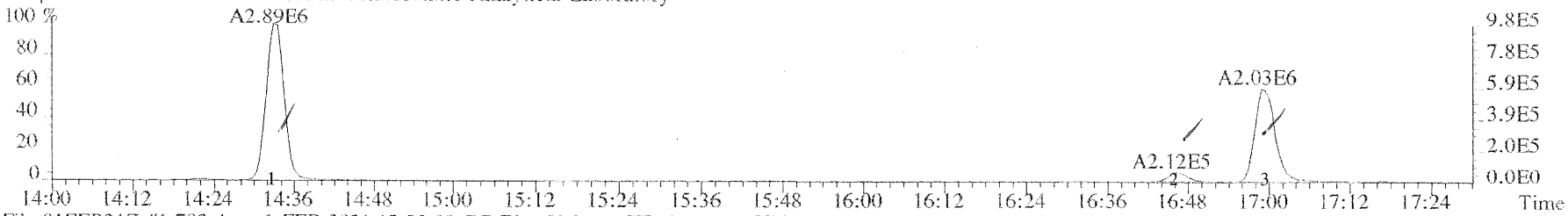
PCB-56	4.88e+07	0.79	y	34:04	1.23	556		-	-	*	Co-elute PCB 60
PCB-60	4.88e+07	0.79	y	34:04	1.23	556		-	-	*	Co-elute PCB 56
PCB-79	2.02e+06	0.80	y	35:05	1.29	21.9		-	-	*	
PCB-78	*	*	n	NotFnd	1.27	*		1030	1660	0.393	
PCB-81	2.59e+06	0.76	y	36:16	1.38	26.8		-	-	*	
13C-PCB-81	7.05e+07	0.81	y	36:15	1.60	1020					102
PCB-77	7.52e+06	0.82	y	36:49	1.18	88.2		-	-	*	
13C-PCB-77	7.25e+07	0.81	y	36:47	1.65	1020					102
PCB-155	*	*	n	NotFnd	1.08	*		1050	1070	0.466	
PCB-150	2.82e+05	1.21	y	35:30	1.06	5.30		-	-	*	
PCB-152	1.27e+05	1.34	y	35:57	1.05	2.41		-	-	*	
PCB-145	6.11e+04	1.14	y	36:22	1.06	1.15	J	-	-	*	
PCB-136	1.71e+07	1.23	y	36:41	1.09	313		-	-	*	
PCB-148	*	*	n	NotFnd	0.76	*		1050	1070	0.663	
PCB-154	1.74e+06	1.22	y	37:15	0.92	37.9		-	-	*	
13C-PCB-155	5.02e+07	1.30	y	34:17	1.30	892					89.2
13C-PCB-111	5.02e+07	1.58	y	36:22	1.25	930					92.9
13C-PCB-101	4.32e+07	1.59	y	34:45	-	4.38					
PCB-84	3.86e+07	1.60	y	34:25	0.71	861		-	-	*	Co-elute PCB 92
PCB-92	3.86e+07	1.60	y	34:25	0.71	861		-	-	*	Co-elute PCB 84
PCB-89	1.06e+06	1.55	y	34:35	0.71	23.8		-	-	*	
PCB-90	1.11e+08	1.58	y	34:46	0.82	2150		-	-	*	Co-elute PCB 101
PCB-101	1.11e+08	1.58	y	34:46	0.82	2150		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*		1600	1090	0.570	
PCB-99	4.90e+07	1.57	y	35:04	0.87	893		-	-	*	
PCB-119	3.59e+06	1.67	y	35:30	1.02	55.8		-	-	*	
PCB-83	4.72e+06	1.54	y	35:39	0.83	89.8		-	-	*	Co-elute PCB 112
PCB-112	4.72e+06	1.54	y	35:39	0.83	89.8		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*		1600	1090	0.531	
PCB-97	2.76e+07	1.56	y	35:59	0.68	641		-	-	*	
PCB-86	*	*	n	NotFnd	0.78	*		1600	1090	0.682	
PCB-125	3.88e+07	1.59	y	36:16	0.91	676		-	-	*	Co-elute PCB 87/117
PCB-87	3.88e+07	1.59	y	36:16	0.91	676		-	-	*	Co-elute PCB 125/117
PCB-117	3.88e+07	1.59	y	36:16	0.91	676		-	-	*	Co-elute PCB 125/87
PCB-111	2.17e+06	1.56	y	36:25	1.06	32.5		-	-	*	Co-elute PCB 115
PCB-115	2.17e+06	1.56	y	36:25	1.06	32.5		-	-	*	Co-elute PCB 111
PCB-85	1.59e+07	1.55	y	36:31	0.90	282		-	-	*	Co-elute PCB 116
PCB-116	1.59e+07	1.55	y	36:31	0.90	282		-	-	*	Co-elute PCB 85
PCB-120	4.67e+05	1.66	y	36:44	1.06	6.97		-	-	*	
PCB-110	1.32e+08	1.57	y	36:53	1.08	1940		-	-	*	
PCB-82	8.73e+06	1.54	y	37:28	0.63	220		-	-	*	
PCB-124	5.53e+06	1.58	y	38:08	1.23	71.5		-	-	*	
PCB-108	9.87e+06	1.56	y	38:18	1.29	121		-	-	*	Co-elute PCB 107
PCB-107	9.87e+06	1.56	y	38:18	1.29	121		-	-	*	Co-elute PCB 108
PCB-123	1.56e+06	1.62	y	38:26	1.17	22.3		-	-	*	
13C-PCB-123	6.00e+07	1.60	y	38:24	1.35	998					99.7
PCB-118	1.27e+08	1.60	y	38:36	1.22	1590		-	-	*	Co-elute PCB 106
PCB-106	1.27e+08	1.60	y	38:36	1.22	1590		-	-	*	Co-elute PCB 118
13C-PCB-118	6.54e+07	1.60	y	38:36	1.49	988					98.7
PCB-114	2.69e+06	1.58	y	39:14	1.22	34.2		-	-	*	
13C-PCB-114	6.47e+07	1.60	y	39:12	1.43	1020					102
PCB-122	1.56e+06	1.60	y	39:20	1.33	18.7		-	-	*	
PCB-105	4.77e+07	1.60	y	40:03	1.29	595		-	-	*	
13C-PCB-105	6.24e+07	1.60	y	40:01	1.42	991					99.0

PCB-127	*	*	n	NotFnd	1.18	*	1780	1110	0.485		
PCB-126	6.18e+05	1.37	y	42:10	1.25	8.24	-	-	*		
13C-PCB-126	6.00e+07	1.61	y	42:10	1.29	1040				104	
PCB-151	2.41e+07	1.26	y	37:51	1.00	478	-	-	*		
PCB-135	1.37e+07	1.24	y	38:05	1.05	258	-	-	*		
PCB-144	5.08e+06	1.25	y	38:11	1.02	98.0	-	-	*		
PCB-147	2.11e+06	1.26	y	38:18	1.10	37.7	-	-	*		
PCB-139	9.19e+07	1.26	y	38:33	1.10	1640	-	-	*	Co-elute PCB 149	
PCB-149	9.19e+07	1.26	y	38:33	1.10	1640	-	-	*	Co-elute PCB 139	
PCB-140	9.02e+05	1.14	y	38:44	1.08	16.4	-	-	*		
PCB-143	5.34e+06	1.23	y	39:09	0.90	116	-	-	*	Co-elute PCB 134	
PCB-134	5.34e+06	1.23	y	39:09	0.90	116	-	-	*	Co-elute PCB 143	
PCB-131	3.10e+06	1.24	y	39:25	0.90	67.7	-	-	*	Co-elute PCB 133	
PCB-133	3.10e+06	1.24	y	39:25	0.90	67.7	-	-	*	Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.92	*	1390	1280	0.693		
PCB-165	1.83e+07	1.25	y	39:47	1.20	301	-	-	*	Co-elute PCB 146	
PCB-146	1.83e+07	1.25	y	39:47	1.20	301	-	-	*	Co-elute PCB 165	
PCB-161	3.23e+07	1.25	y	40:03	1.14	559	-	-	*	Co-elute PCB 132	
PCB-132	3.23e+07	1.25	y	40:03	1.14	559	-	-	*	Co-elute PCB 161	
PCB-153	1.20e+08	1.26	y	40:10	1.21	1960	-	-	*		
PCB-168	*	*	n	NotFnd	1.33	*	1390	1280	0.478		
PCB-141	1.95e+07	1.24	y	40:52	1.01	379	-	-	*		
PCB-137	5.37e+06	1.22	y	41:14	0.96	110	-	-	*		
PCB-130	5.59e+06	1.29	y	41:19	0.95	116	-	-	*		
PCB-138	1.29e+08	1.25	y	41:40	1.21	2100	-	-	*	Co-elute PCB 163/164	
PCB-163	1.29e+08	1.25	y	41:40	1.21	2100	-	-	*	Co-elute PCB 138/164	
PCB-164	1.29e+08	1.25	y	41:40	1.21	2100	-	-	*	Co-elute PCB 138/163	
PCB-158	1.50e+07	1.25	y	41:53	1.34	221	-	-	*	Co-elute PCB 160	
PCB-160	1.50e+07	1.25	y	41:53	1.34	221	-	-	*	Co-elute PCB 158	
PCB-129	4.07e+06	1.26	y	42:08	0.89	90.3	-	-	*		
PCB-166	4.44e+05	1.25	y	42:35	1.31	6.66	-	-	*		
PCB-159	1.41e+06	1.17	y	42:56	1.38	20.2	-	-	*		
PCB-128	1.74e+07	1.24	y	43:09	1.13	303	-	-	*	Co-elute PCB 162	
PCB-162	1.74e+07	1.24	y	43:09	1.13	303	-	-	*	Co-elute PCB 128	
PCB-167	5.05e+06	1.29	y	43:32	1.24	77.7	-	-	*		
13C-PCB-167	5.25e+07	1.28	y	43:31	1.16	1020				102	
PCB-156	1.32e+07	1.24	y	44:46	1.29	202	-	-	*		
13C-PCB-156	5.05e+07	1.27	y	44:45	1.12	1020				102	
PCB-157	2.79e+06	1.24	y	45:01	1.24	43.2	-	-	*		
13C-PCB-157	5.20e+07	1.27	y	44:59	1.15	1010				101	
PCB-169	*	*	n	NotFnd	1.17	*	1390	1280	0.551		
13C-PCB-169	4.82e+07	1.26	y	46:51	1.08	1000				100.0	

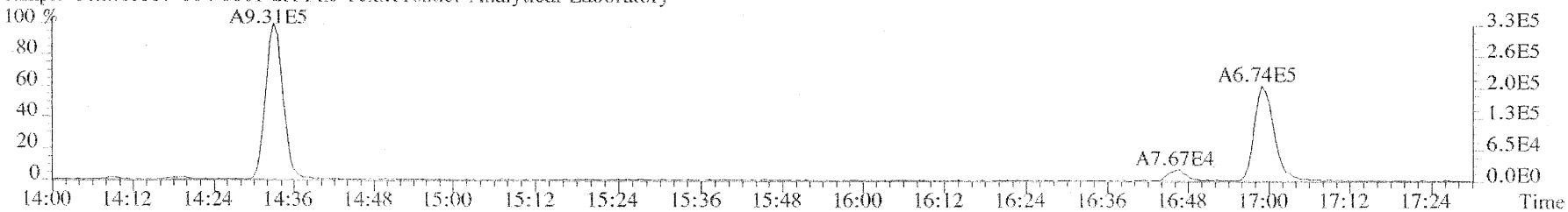
PCB-188	9.27e+04	1.11	y	39:48	1.12	1.74	J	-	-	*	
13C-PCB-188	4.76e+07	1.06	y	39:47	1.17	917					91.6
PCB-184	*	*	n	NotFnd	1.25	*		1500	820	0.455	
PCB-179	1.37e+07	1.04	y	40:57	1.18	269		-	-	*	
PCB-176	4.40e+06	1.05	y	41:24	1.16	88.6		-	-	*	
PCB-186	*	*	n	NotFnd	1.17	*		1500	820	0.485	
PCB-178	4.80e+06	1.05	y	42:26	0.84	133		-	-	*	
PCB-175	1.18e+06	0.97	y	42:46	0.86	32.0		-	-	*	
PCB-187	3.21e+07	1.05	y	42:56	0.95	784		-	-	*	Co-elute PCB 182
PCB-182	3.21e+07	1.05	y	42:56	0.95	784		-	-	*	Co-elute PCB 187
PCB-183	1.54e+07	1.07	y	43:14	0.94	383		-	-	*	
PCB-185	2.70e+06	1.06	y	43:52	0.86	73.0		-	-	*	
PCB-174	2.33e+07	1.04	y	44:12	0.86	626		-	-	*	
PCB-181	*	*	n	NotFnd	0.87	*		1500	820	0.657	
PCB-177	1.33e+07	1.07	y	44:28	0.80	388		-	-	*	
PCB-171	6.64e+06	1.06	y	44:45	0.84	183		-	-	*	
PCB-173	4.04e+05	1.07	y	45:09	0.77	12.2		-	-	*	
PCB-172	3.71e+06	1.04	y	45:32	0.80	108		-	-	*	
PCB-192	*	*	n	NotFnd	1.06	*		1500	820	0.539	
PCB-180	5.50e+07	1.06	y	45:54	0.82	1550		-	-	*	
PCB-193	3.74e+06	1.03	y	46:04	1.13	76.7		-	-	*	
PCB-191	1.27e+06	1.04	y	46:15	1.09	27.0		-	-	*	
PCB-170	2.01e+07	1.06	y	47:09	0.78	597		-	-	*	
PCB-190	5.84e+06	1.04	y	47:19	1.05	129		-	-	*	
PCB-189	9.84e+05	1.11	y	48:32	1.08	23.6		-	-	*	
13C-PCB-189	3.85e+07	1.10	y	48:30	1.00	867					86.6
PCB-202	2.81e+06	0.91	y	44:54	1.09	65.1		-	-	*	
PCB-201	2.05e+06	0.93	y	45:21	1.15	45.1		-	-	*	
PCB-204	*	*	n	NotFnd	1.16	*		832	1520	0.626	
PCB-197	6.44e+05	0.91	y	45:45	1.18	13.7		-	-	*	
PCB-200	1.82e+06	0.92	y	46:30	1.18	39.2		-	-	*	
PCB-198	6.02e+05	0.87	y	47:41	0.84	18.1		-	-	*	
PCB-199	1.00e+07	0.91	y	47:46	0.82	309		-	-	*	
PCB-203	1.19e+07	0.95	y	48:00	0.90	335		-	-	*	Co-elute PCB 196
PCB-196	1.19e+07	0.95	y	48:00	0.90	335		-	-	*	Co-elute PCB 203
13C-PCB-202	3.96e+07	0.91	y	44:54	0.98	913					91.2
13C-PCB-178	3.47e+07	1.06	y	42:25	0.83	940					93.9
13C-PCB-138	4.45e+07	1.28	y	41:39	-	4.32					
PCB-195	4.52e+06	0.90	y	49:07	0.97	127		-	-	*	
PCB-194	9.59e+06	0.92	y	49:54	1.00	262		-	-	*	
PCB-205	7.51e+05	0.90	y	50:10	1.22	16.8		-	-	*	
13C-PCB-205	3.66e+07	0.89	y	50:10	1.28	1070					107
PCB-208	1.36e+06	1.37	y	49:13	1.13	31.4		-	-	*	
13C-PCB-208	3.84e+07	0.80	y	49:12	1.23	1170					117
PCB-207	6.65e+05	1.26	y	49:31	1.32	16.3		-	-	*	
PCB-206	3.45e+06	1.33	y	51:22	1.15	128		-	-	*	
13C-PCB-206	2.36e+07	0.80	y	51:22	0.89	999					99.8
PCB-209	1.91e+06	1.18	y	52:34	1.20	60.1		-	-	*	
13C-PCB-209	2.67e+07	1.21	y	52:32	1.03	974					97.3
13C-PCB-194	2.67e+07	0.90	y	49:54	-	3.00					

Analyst: _____ Date: 2/2/21

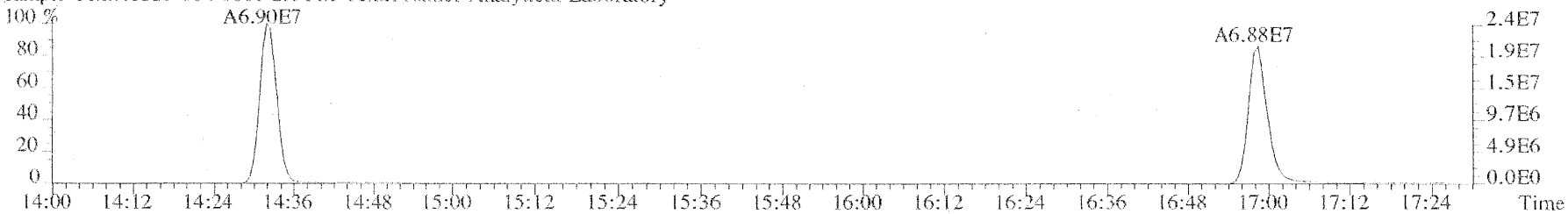
File:01FEB21Z #1-783 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



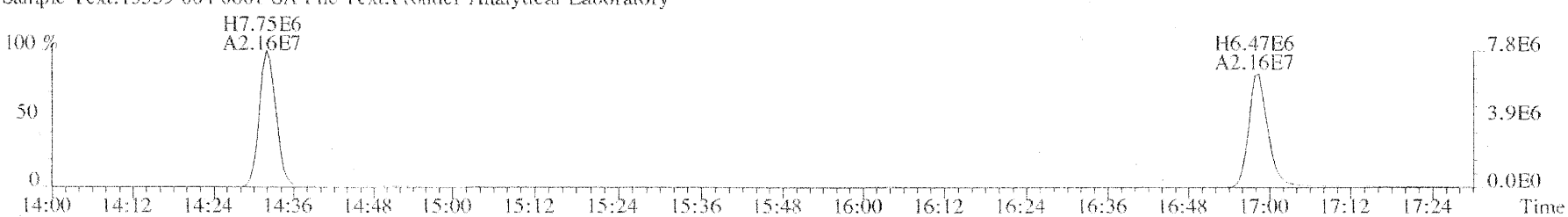
File:01FEB21Z #1-783 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



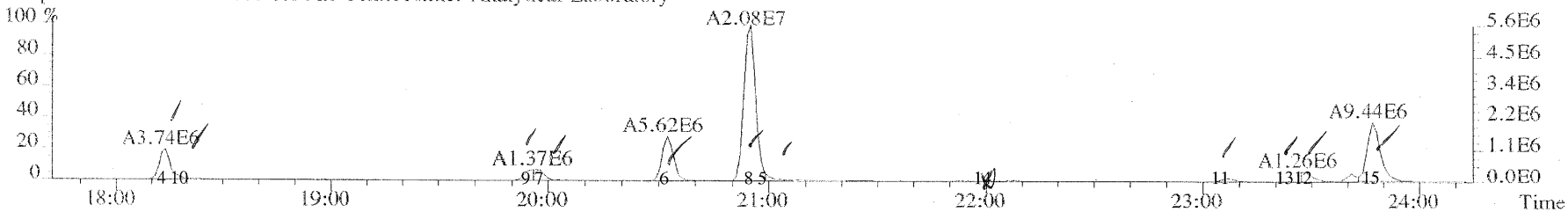
File:01FEB21Z #1-783 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



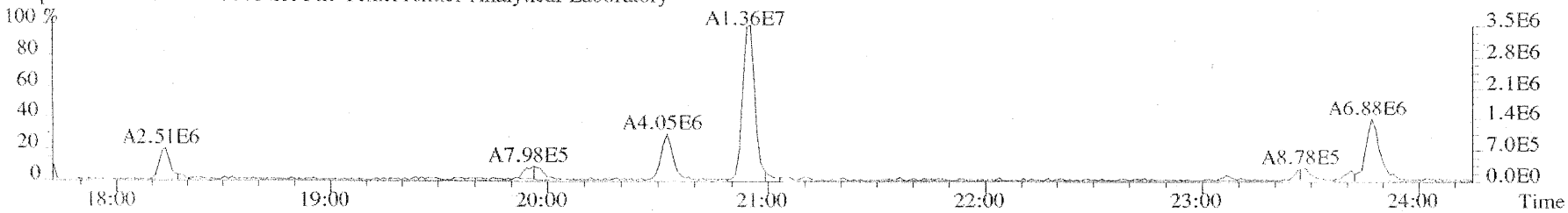
File:01FEB21Z #1-783 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



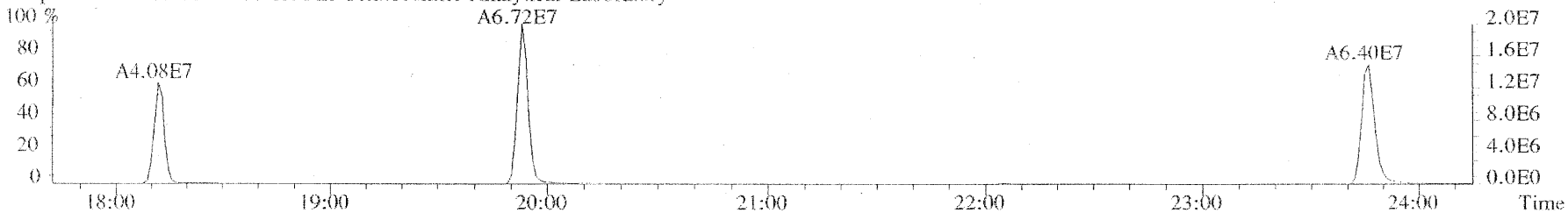
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



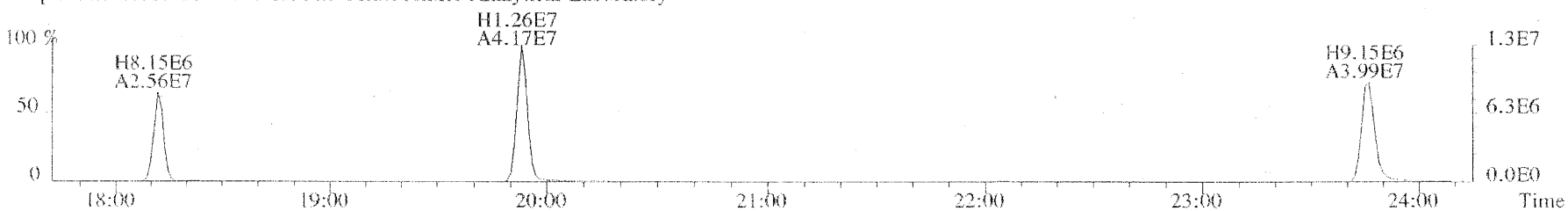
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



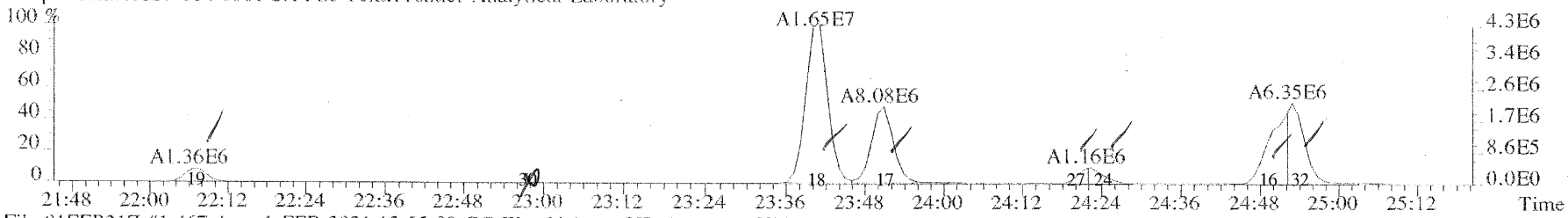
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



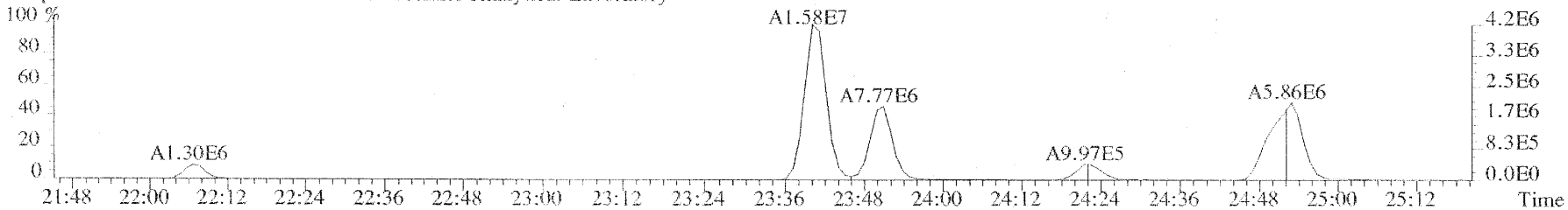
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



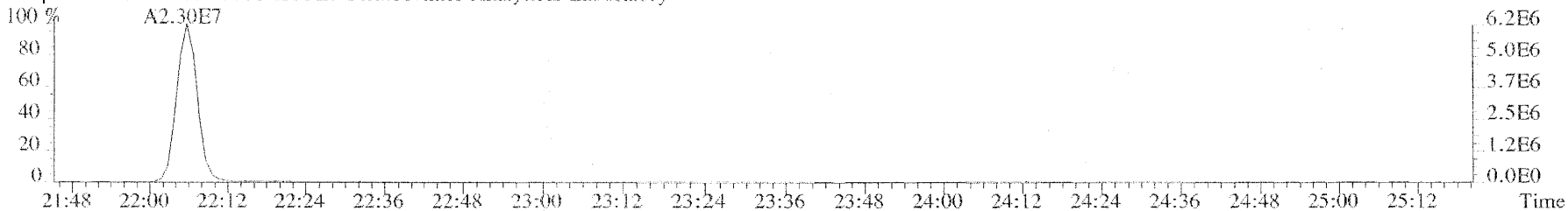
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



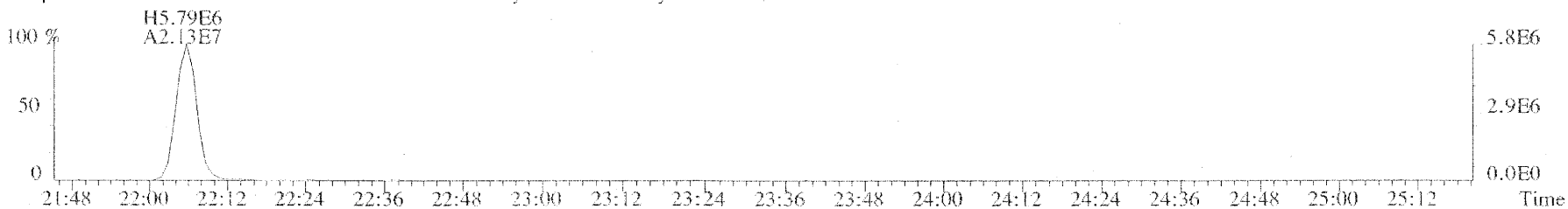
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



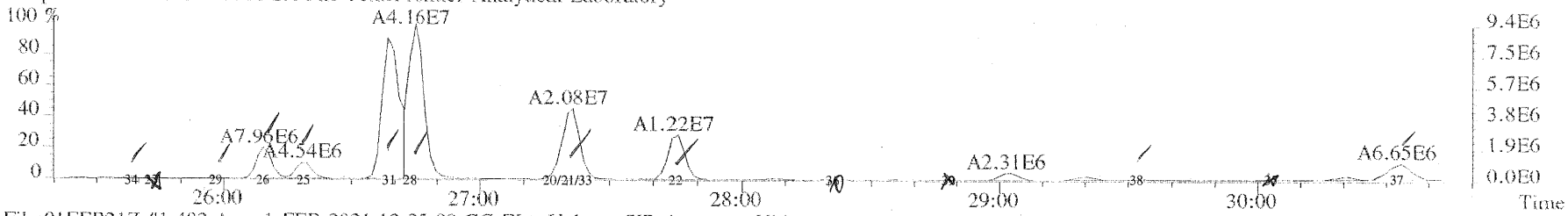
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



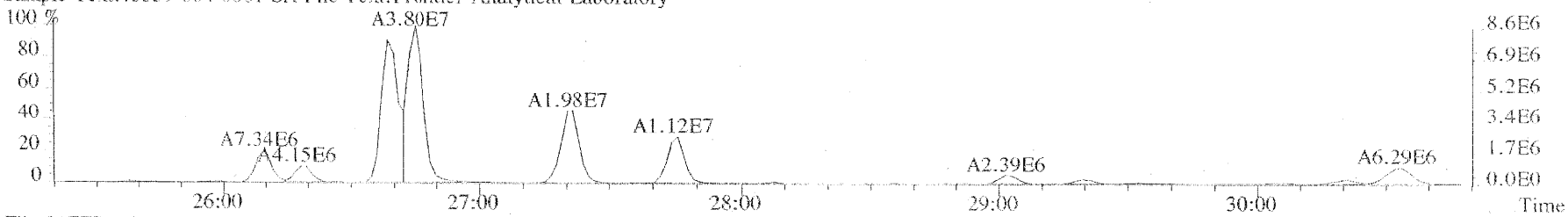
File:01FEB21Z #1-467 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



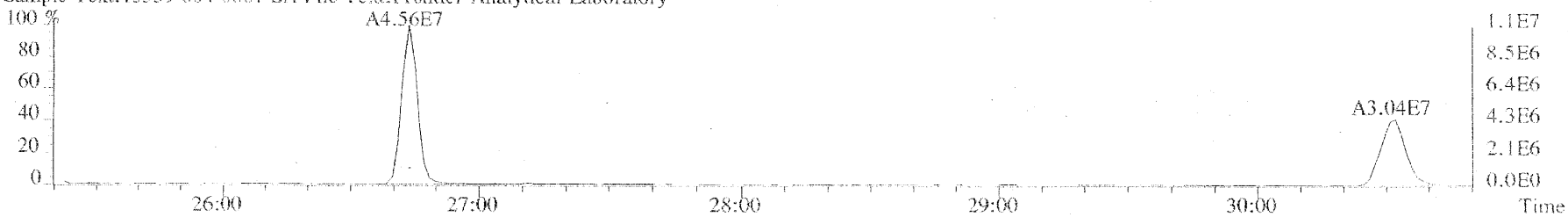
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



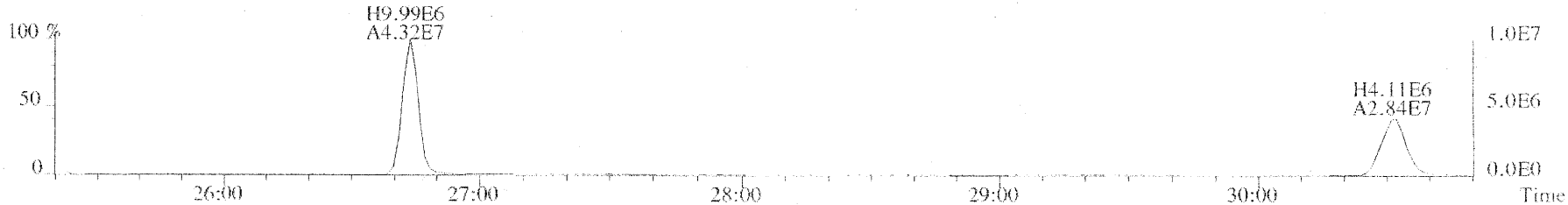
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



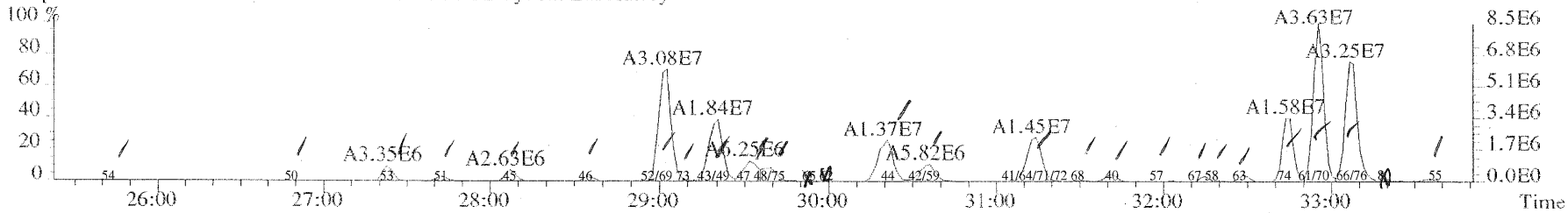
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



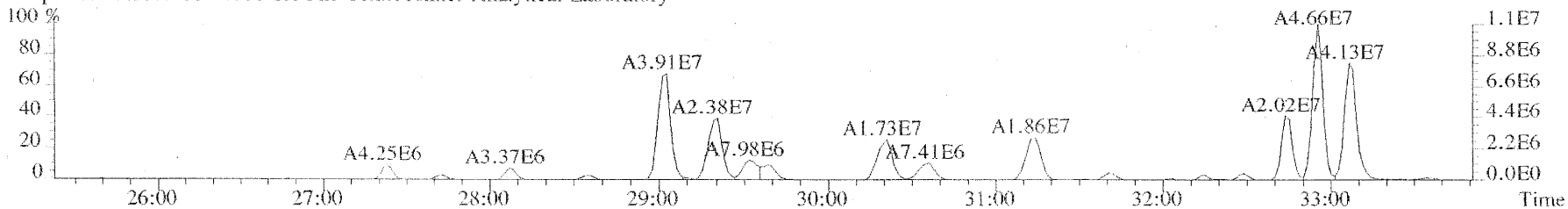
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



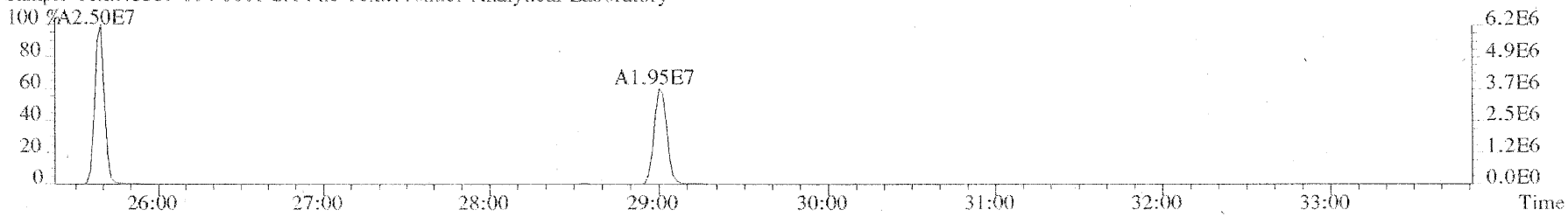
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



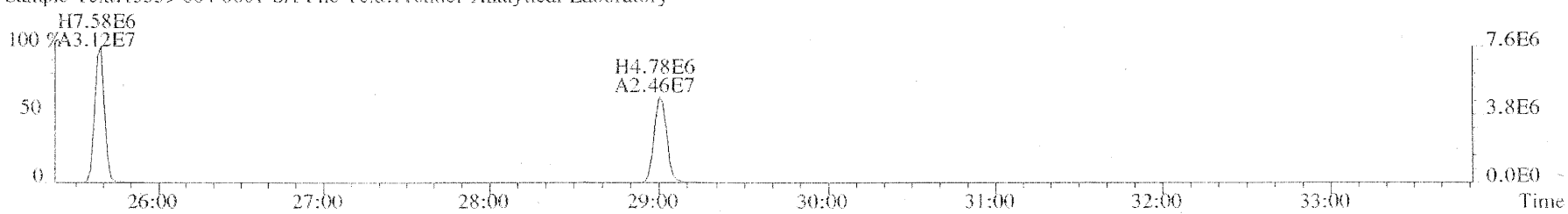
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



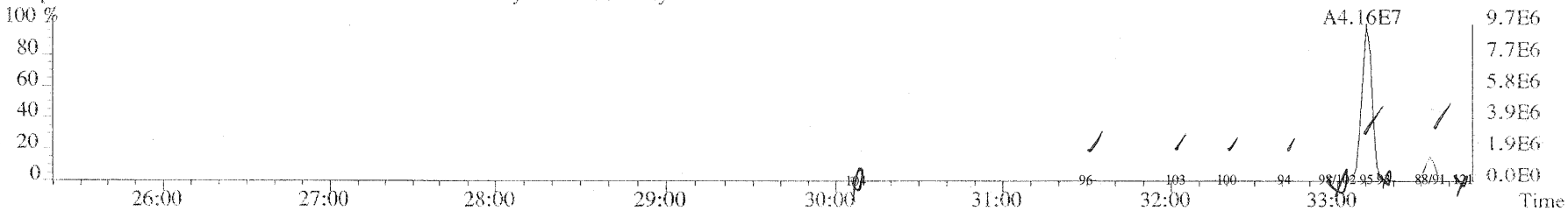
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



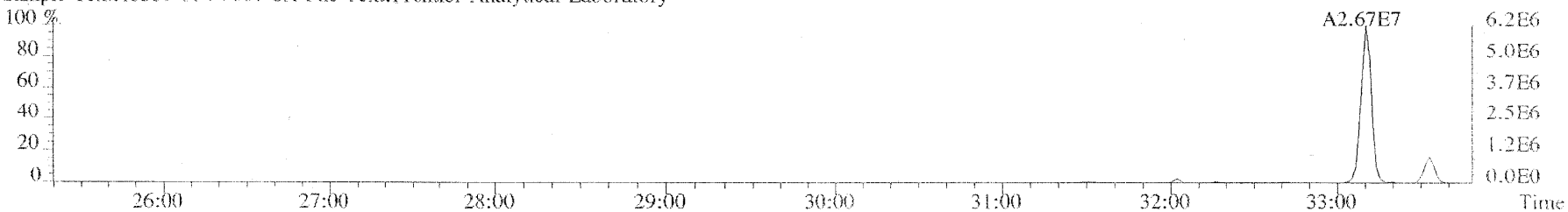
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



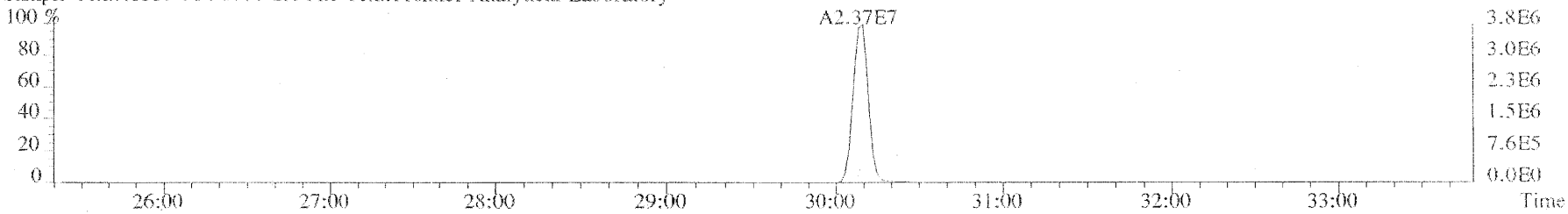
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



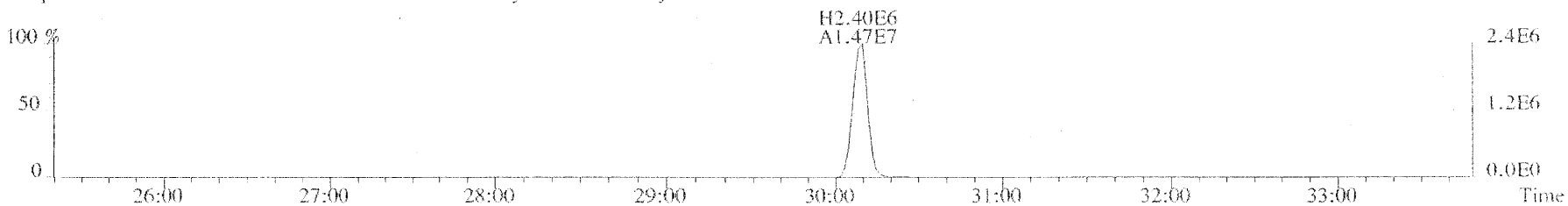
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



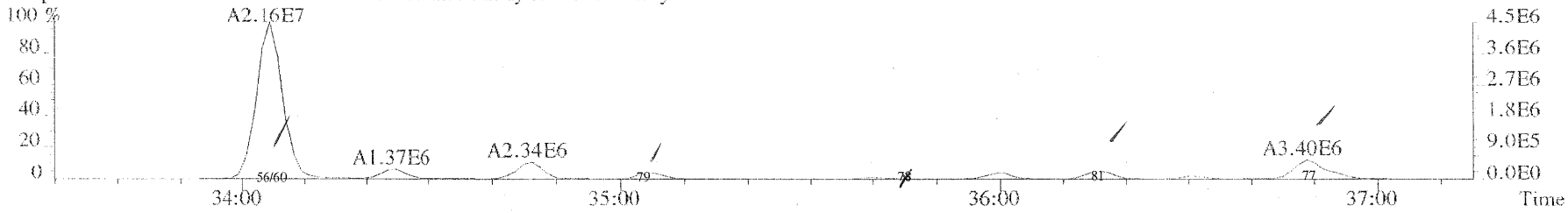
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



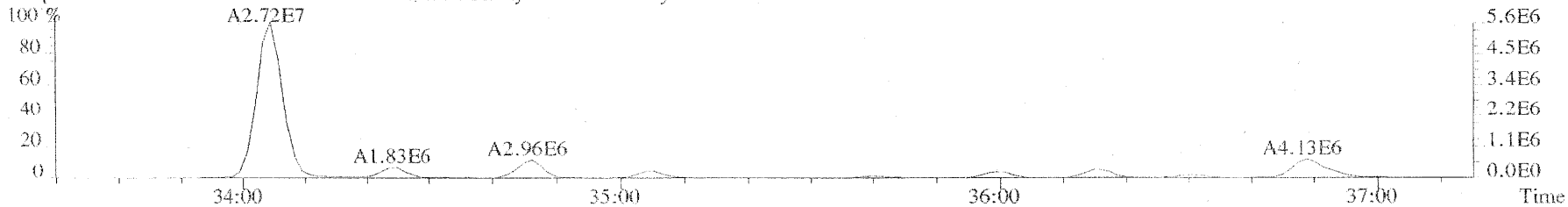
File:01FEB21Z #1-403 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



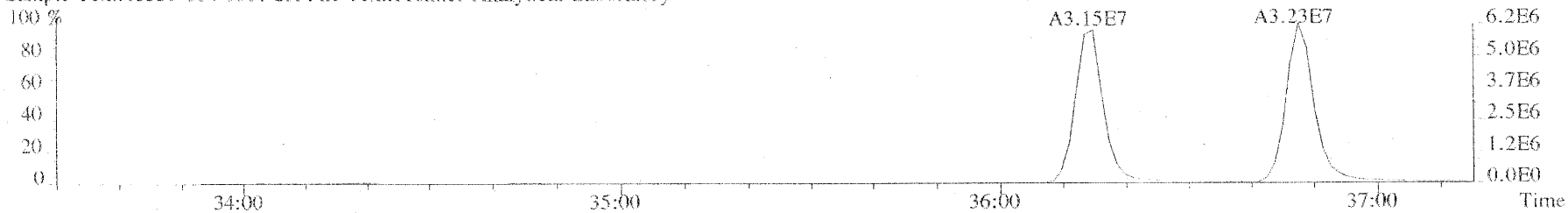
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



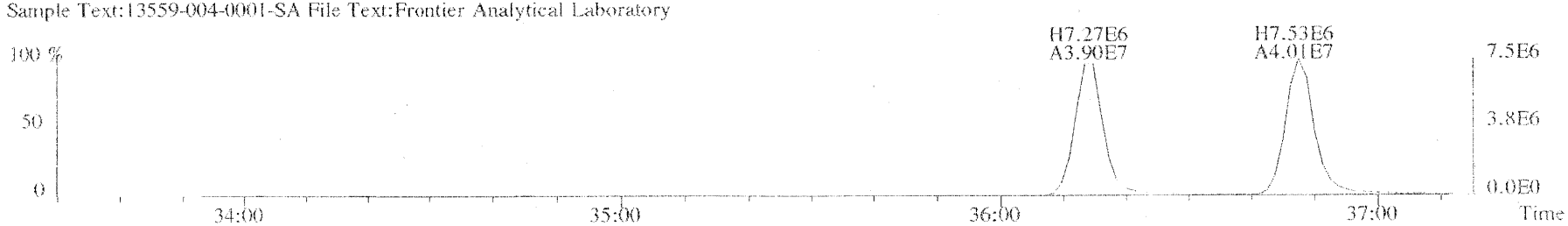
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



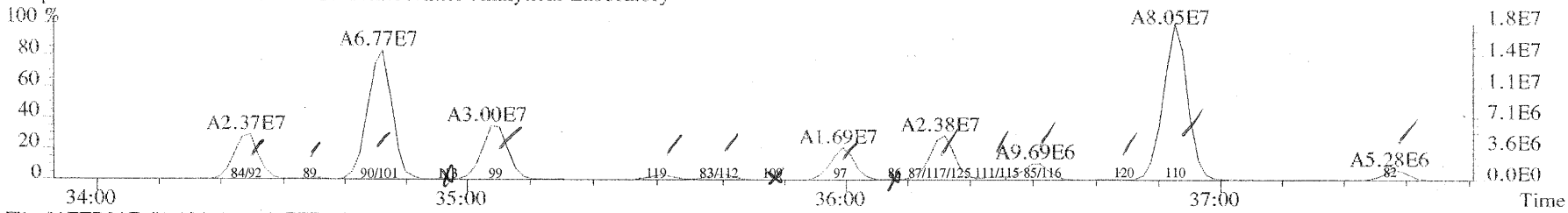
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



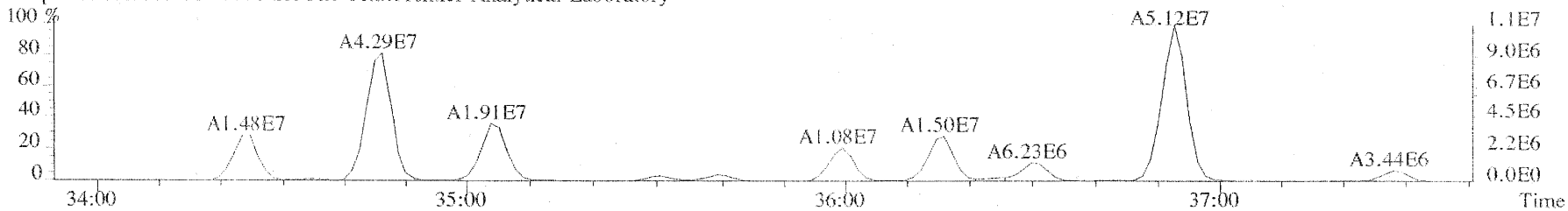
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



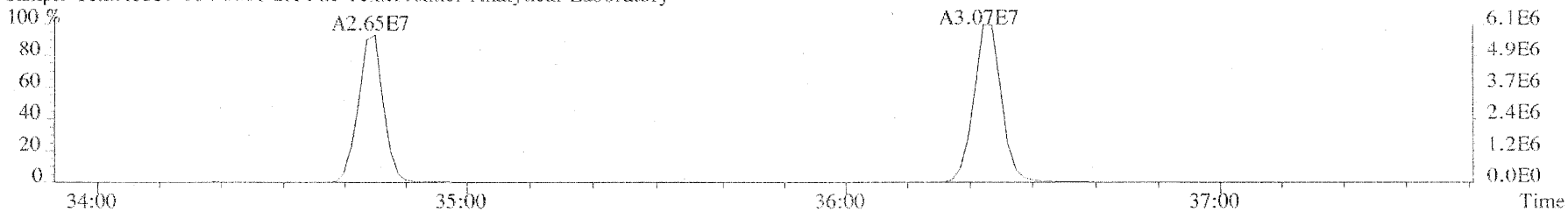
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



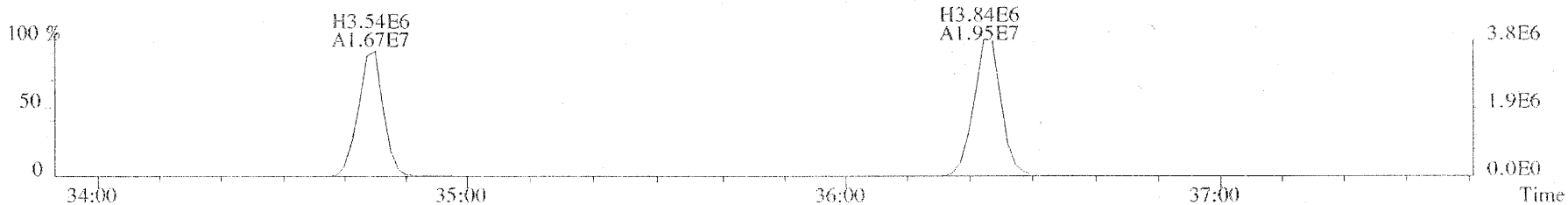
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



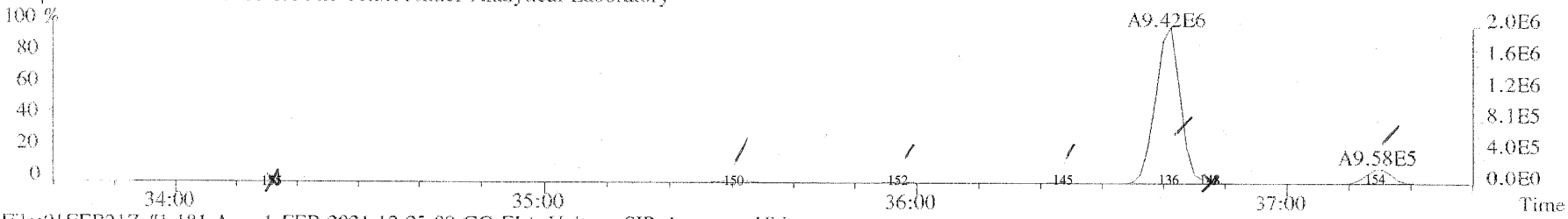
File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 13:25:09 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
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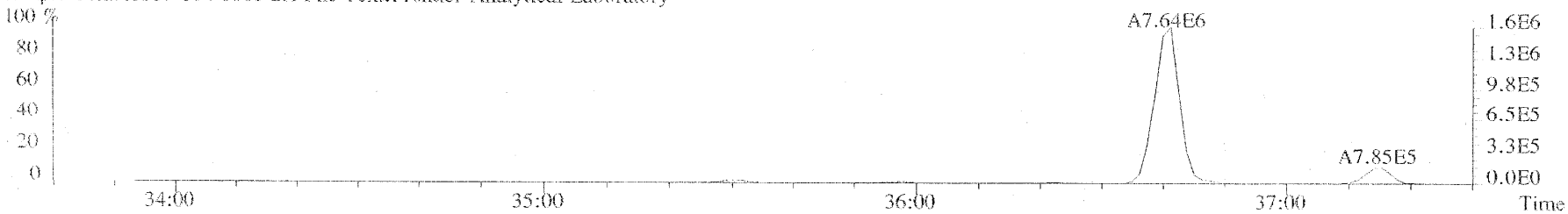

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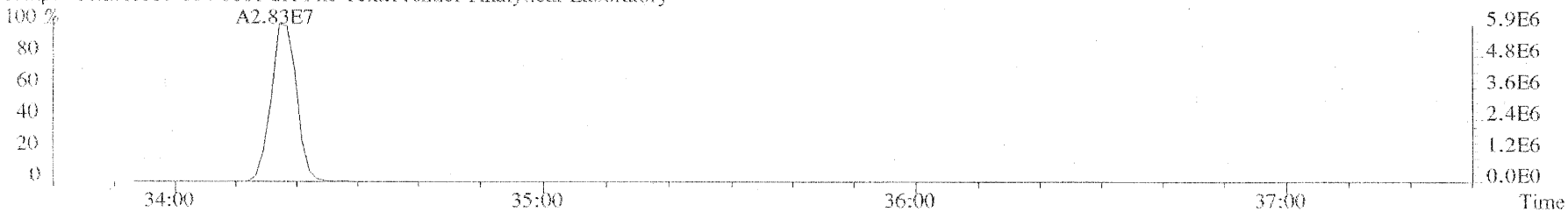
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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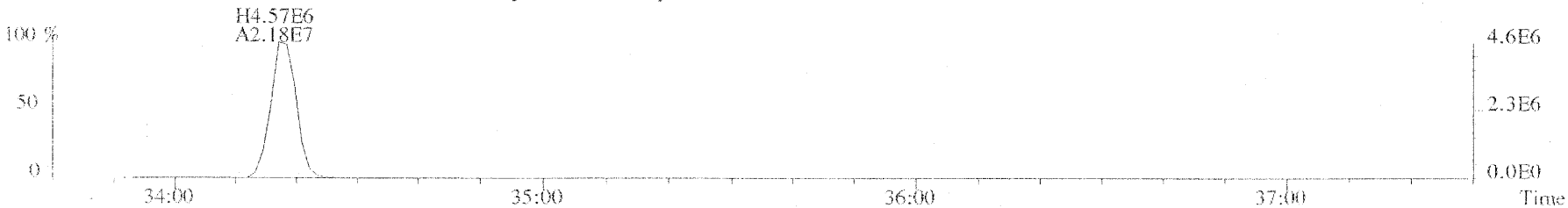
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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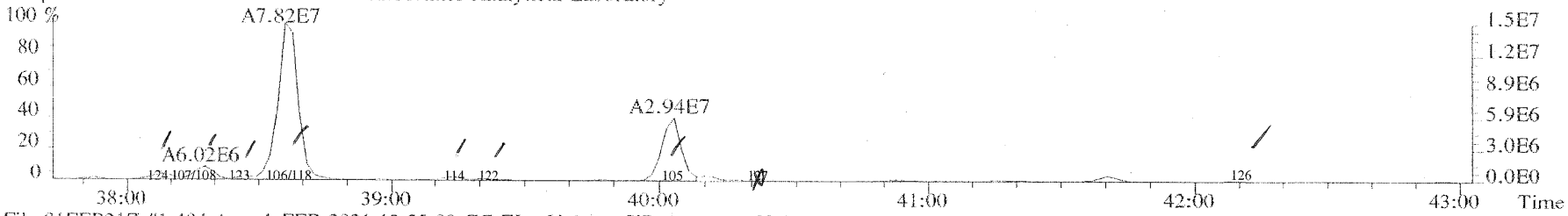
325.8804 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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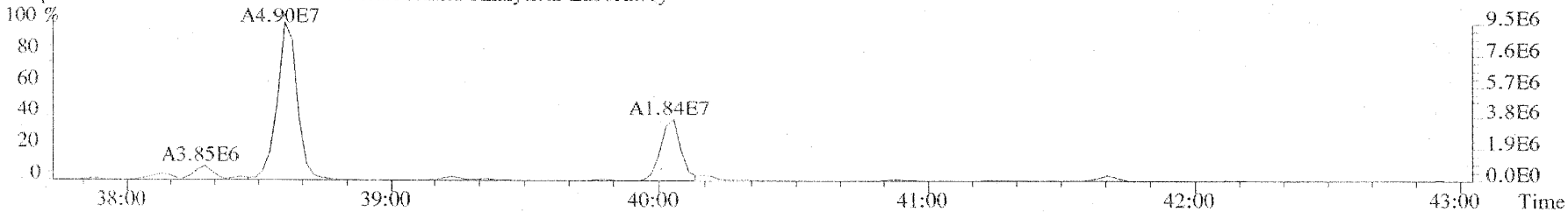
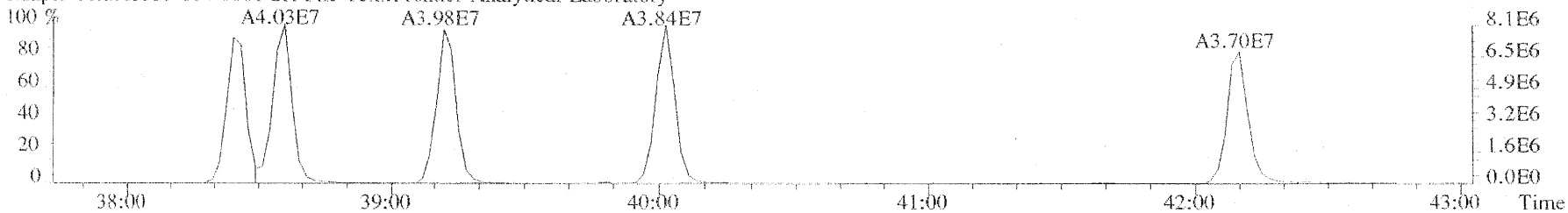
327.8775 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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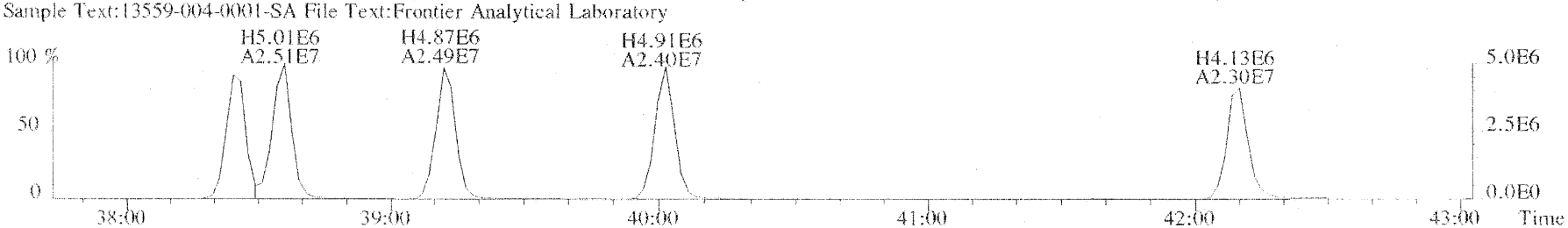
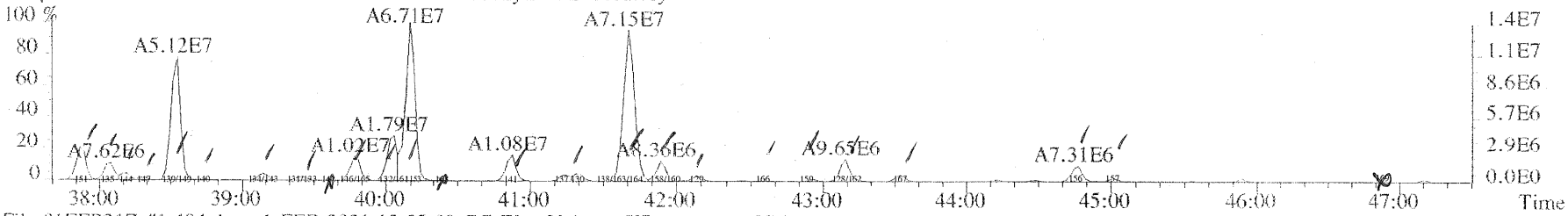
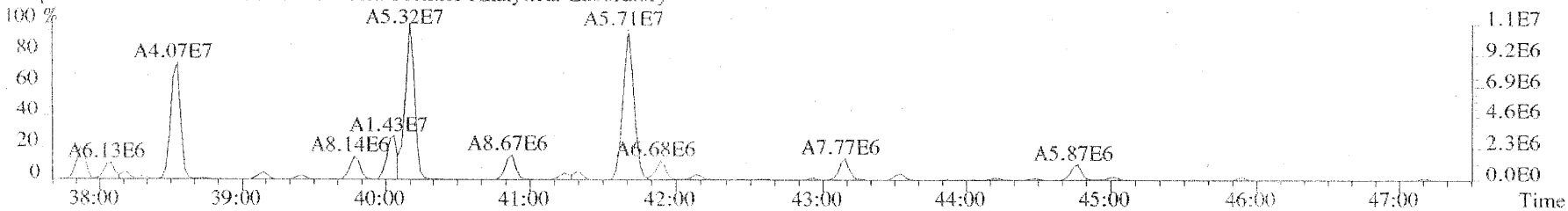
339.9178 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



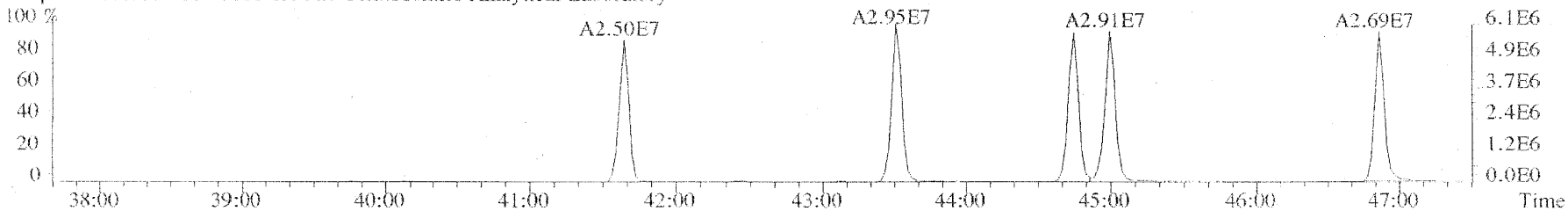
File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



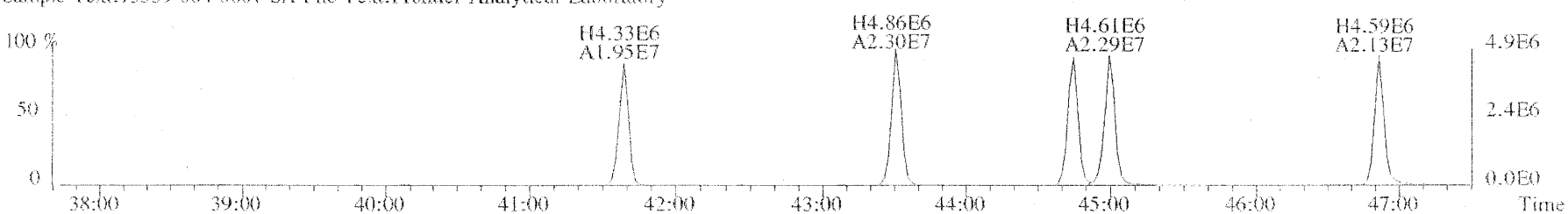
File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



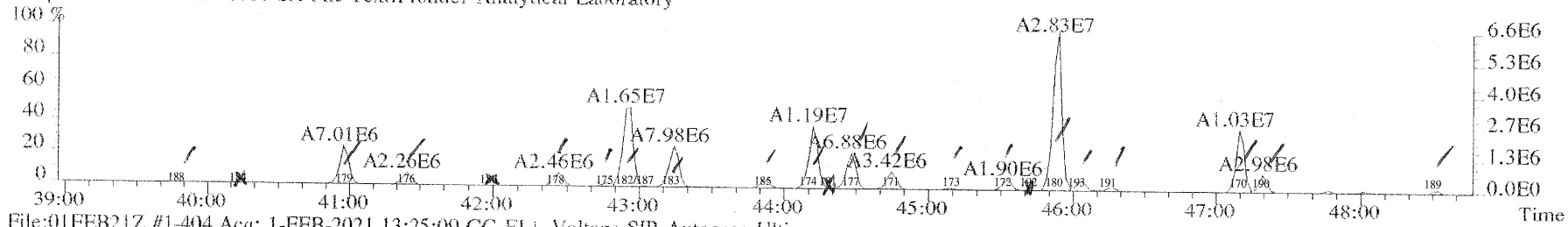
File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



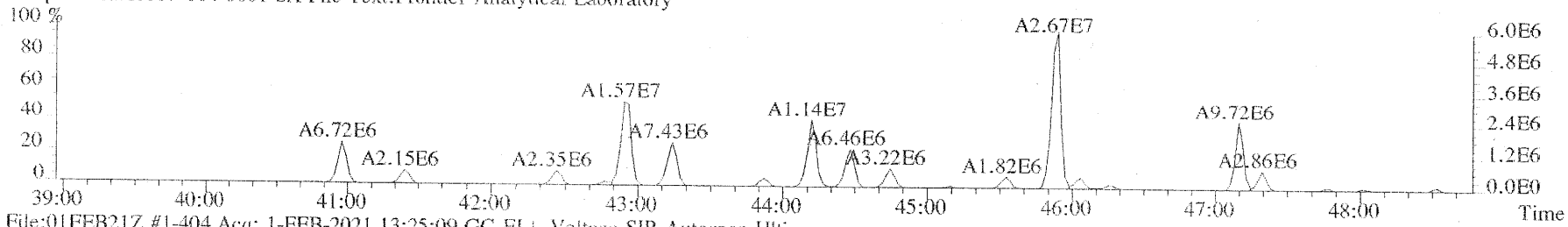
File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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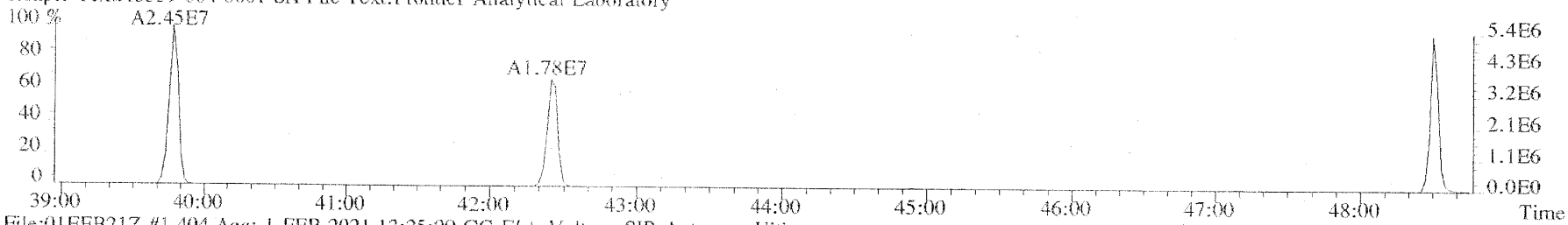
405.8428 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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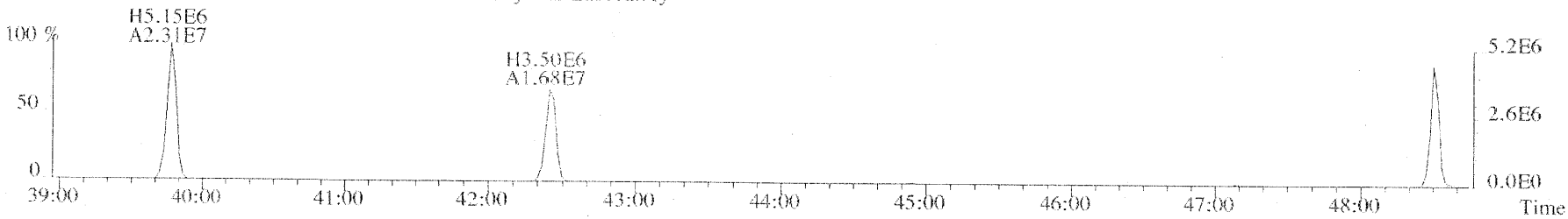
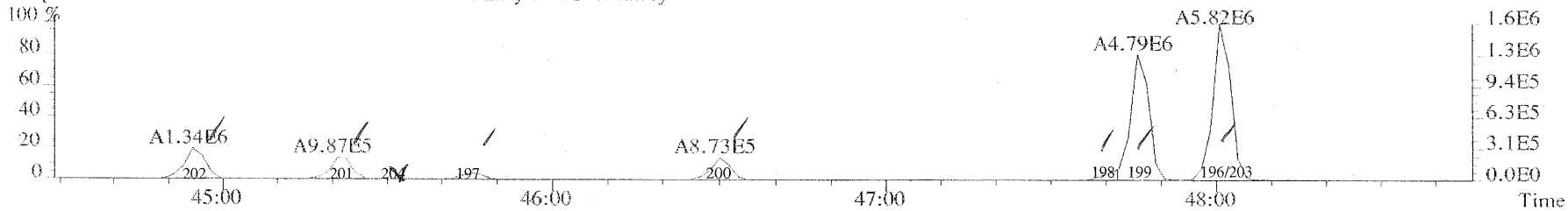
407.8398 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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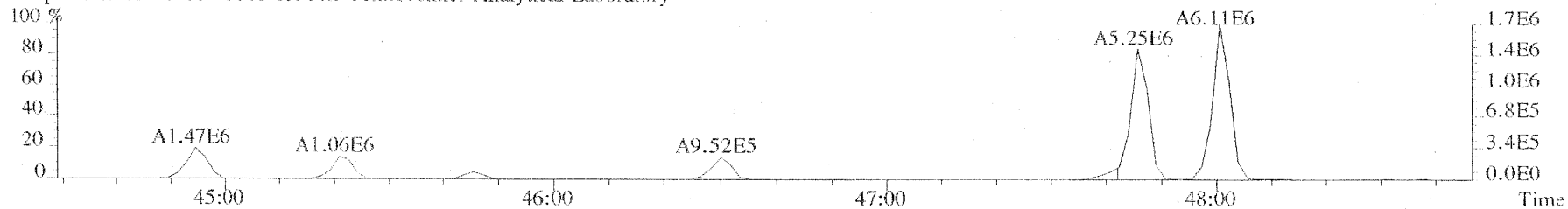
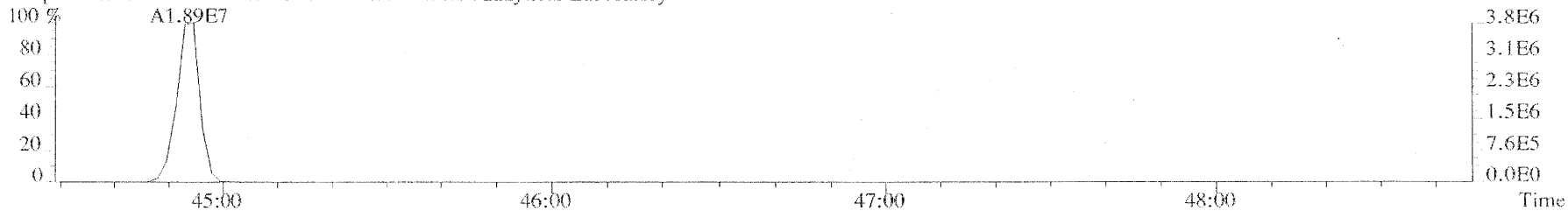
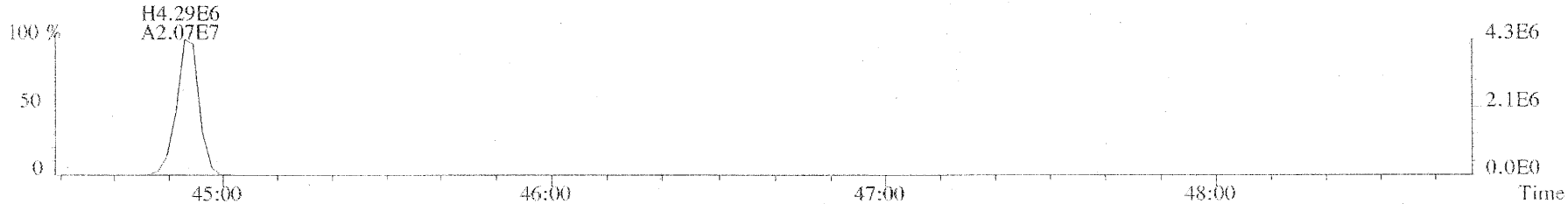
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



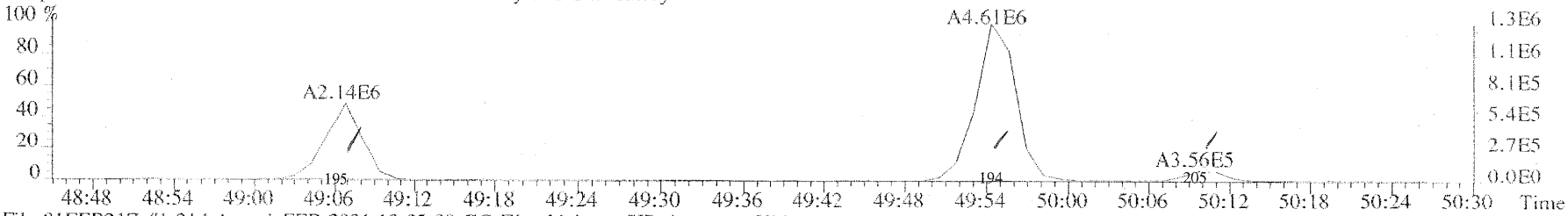
File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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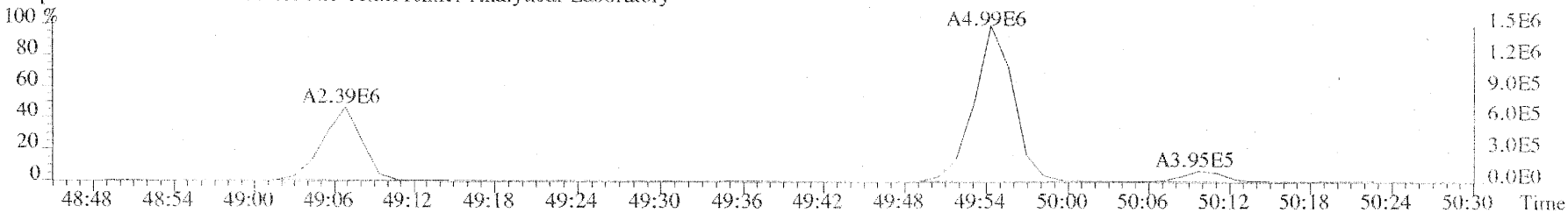
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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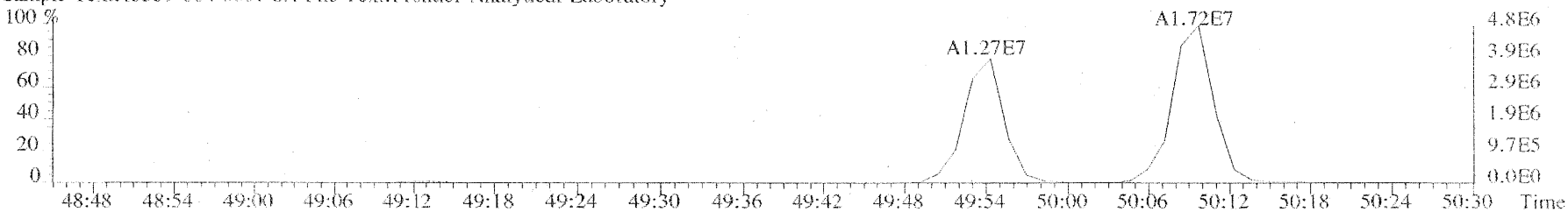
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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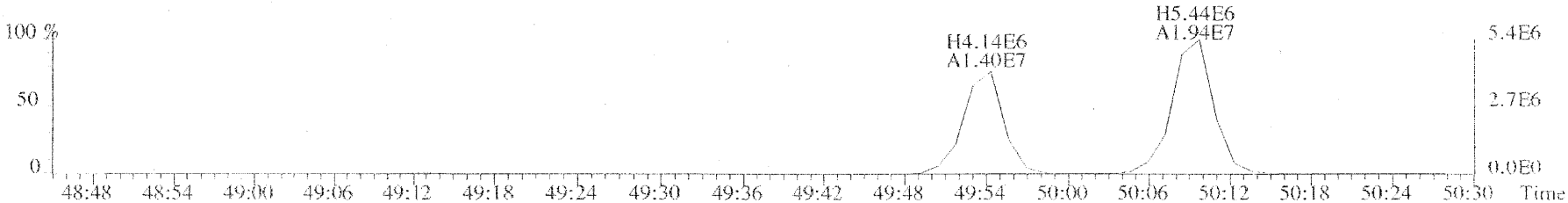
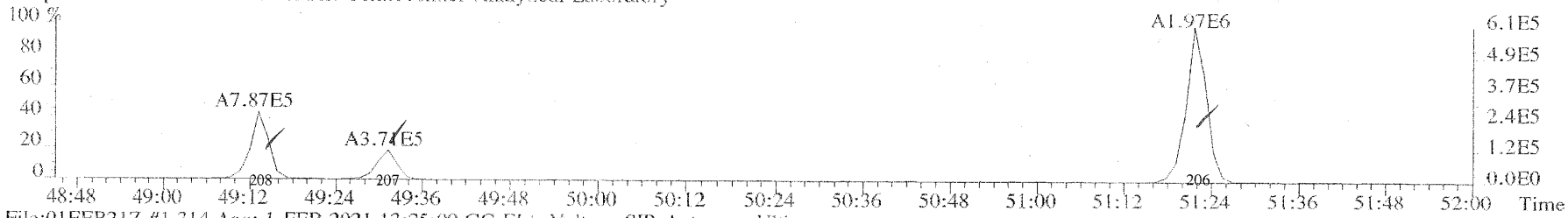
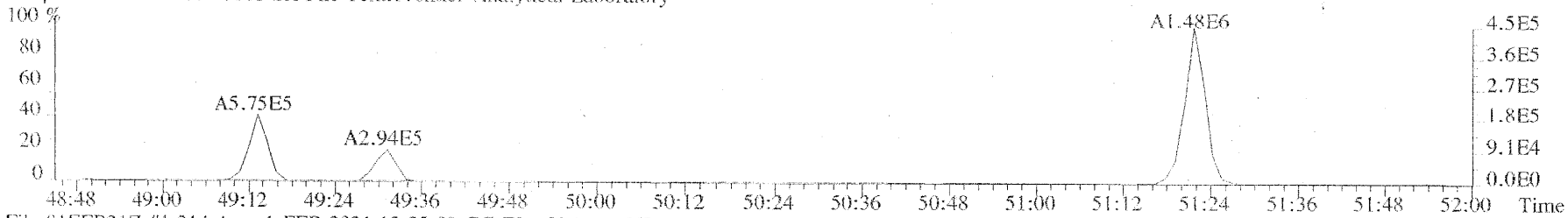
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



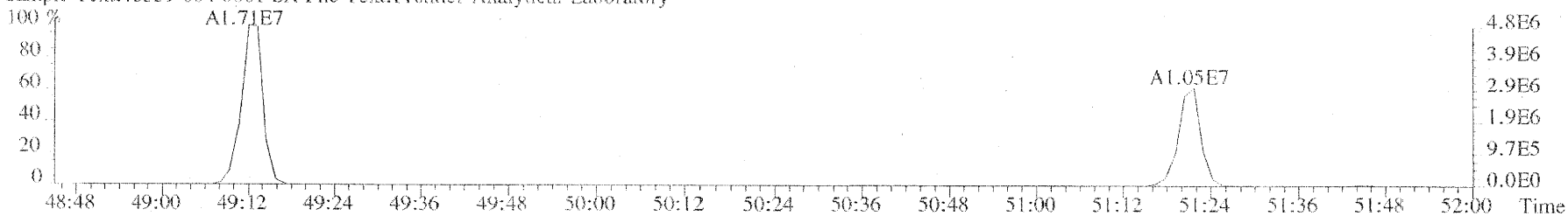
File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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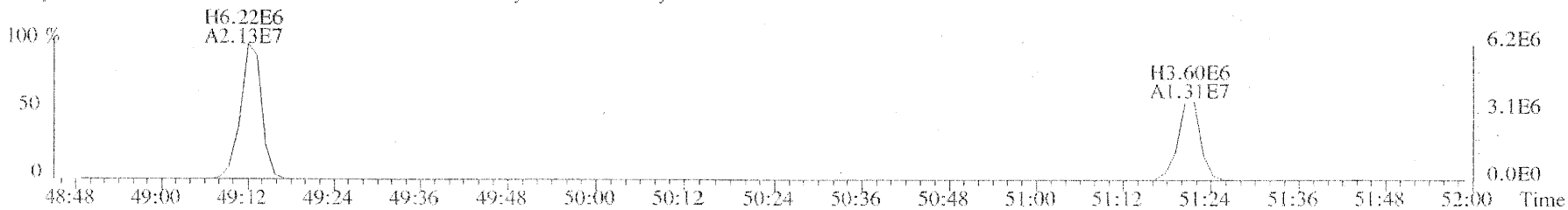
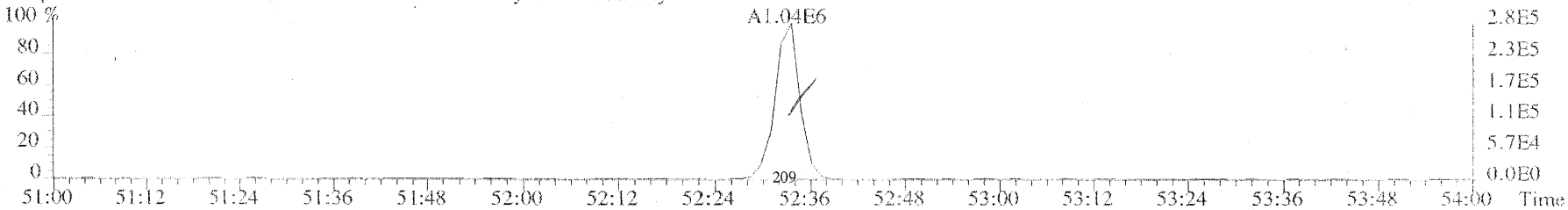
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



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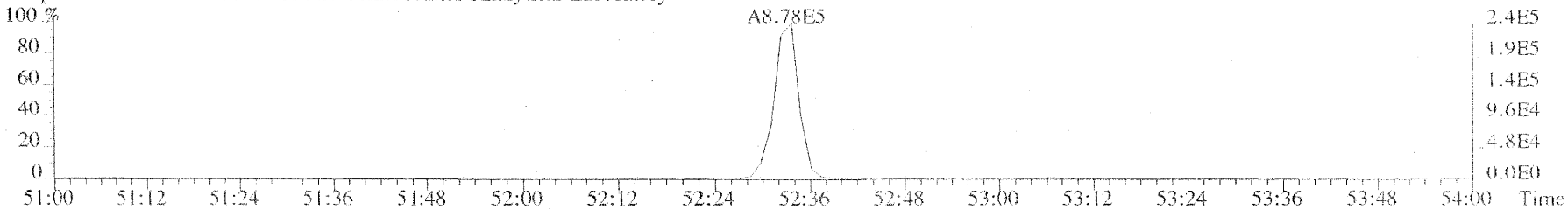
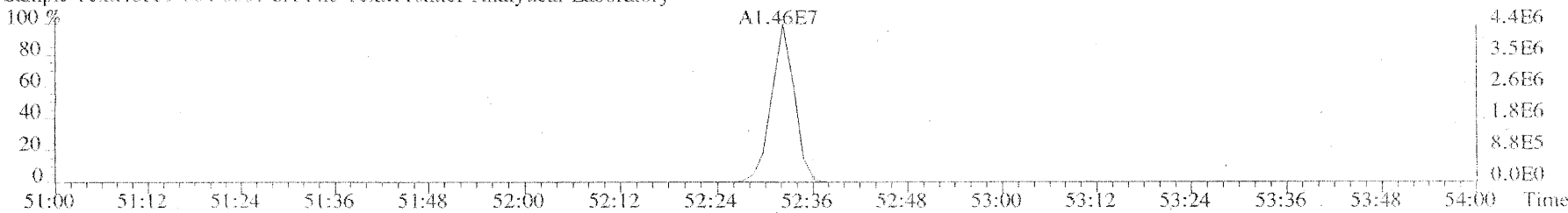
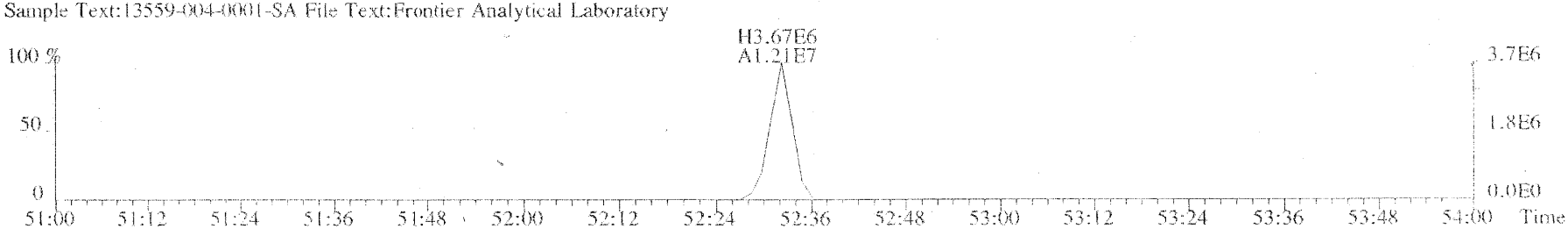
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 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:13559-004-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-314 Acq: 1-FEB-2021 13:25:09 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13559-005-0001-SA Filename: 01FEB21Z Sam:8 Acquired: 1-FEB-21 14:23:30 ICal: DAILY209FAL4-2-1-21
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-CORE ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 10.11

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec
PCB-1	9.67e+05	3.09 y	14:33	1.24	8.87		-	-	*	
13C-PCB-1	8.70e+07	3.16 y	14:32	0.86	1110					112
PCB-2	8.98e+04	2.88 y	16:47	1.26	0.871	J	-	-	*	
PCB-3	5.49e+05	3.16 y	16:59	1.26	5.77		-	-	*	
13C-PCB-3	7.45e+07	3.13 y	16:59	0.84	968					97.9
PCB-4	1.30e+06	1.49 y	18:13	1.16	19.6		-	-	*	
PCB-10	1.93e+05	1.53 y	18:17	1.57	1.59	J	-	-	*	
13C-PCB-4	5.68e+07	1.62 y	18:12	0.67	929					93.9
PCB-9	4.71e+05	1.40 y	19:55	1.54	3.96		-	-	*	
PCB-7	4.85e+05	1.47 y	19:56	1.55	4.05		-	-	*	
PCB-6	2.43e+06	1.39 y	20:32	1.50	20.9		-	-	*	
PCB-8	7.81e+06	1.52 y	20:54	1.52	66.6		-	-	*	
PCB-5	5.04e+05	1.55 y	20:59	1.52	4.29		-	-	*	
PCB-14	*	* n	NotFnd	1.47	*		899	5660	0.547	
PCB-11	4.54e+05	1.46 y	23:07	1.41	4.16		-	-	*	
PCB-13	3.81e+05	1.55 y	23:26	1.42	3.46		-	-	*	
PCB-12	5.19e+05	1.53 y	23:27	1.45	4.63		-	-	*	
PCB-15	4.52e+06	1.57 y	23:46	1.29	36.1		-	-	*	
13C-PCB-15	9.62e+07	1.60 y	23:45	1.01	1040					106
PCB-19	4.00e+05	1.16 y	22:07	1.25	9.90		-	-	*	
PCB-30	*	* n	NotFnd	1.84	*		5250	1120	0.874	
PCB-18	4.51e+06	1.11 y	23:40	1.26	111		-	-	*	
PCB-17	2.50e+06	1.06 y	23:50	1.40	55.7		-	-	*	
PCB-27	2.94e+05	1.05 y	24:20	1.80	5.06		-	-	*	
PCB-24	3.88e+05	1.18 y	24:21	1.84	6.56		-	-	*	
PCB-16	1.94e+06	1.11 y	24:51	1.55	39.0		-	-	*	
PCB-32	1.95e+06	1.04 y	24:52	1.57	38.5		-	-	*	
13C-PCB-19	3.18e+07	1.15 y	22:06	0.49	711					71.9
13C-PCB-9	9.03e+07	1.63 y	19:53	-	4.36					
PCB-34	1.24e+05	1.04 y	25:37	1.23	1.33	J	-	-	*	
PCB-23	*	* n	NotFnd	1.54	*		2120	1200	0.451	
PCB-29	1.23e+05	1.09 y	25:58	1.38	1.18	J	-	-	*	
PCB-26	3.45e+06	1.11 y	26:08	1.33	34.6		-	-	*	
PCB-25	2.14e+06	1.08 y	26:18	1.30	21.9		-	-	*	
PCB-31	1.28e+07	1.07 y	26:39	1.33	128		-	-	*	
PCB-28	1.52e+07	1.10 y	26:44	1.61	125		-	-	*	
PCB-20	7.90e+06	1.10 y	27:20	1.33	78.6		-	-	*	Co-elute PCB 21/33
PCB-21	7.90e+06	1.10 y	27:20	1.33	78.6		-	-	*	Co-elute PCB 20/33
PCB-33	7.90e+06	1.10 y	27:20	1.33	78.6		-	-	*	Co-elute PCB 20/21
PCB-22	4.95e+06	1.14 y	27:44	1.46	45.1		-	-	*	
PCB-36	*	* n	NotFnd	1.33	*		2120	1200	0.523	
PCB-39	*	* n	NotFnd	1.33	*		2120	1200	0.524	
PCB-38	2.52e+05	1.14 y	29:32	1.43	2.34		-	-	*	
PCB-35	*	* n	NotFnd	1.29	*		2120	1200	0.540	
PCB-37	4.52e+06	1.05 y	30:32	1.35	44.6		-	-	*	
13C-PCB-37	7.46e+07	1.09 y	30:30	1.62	1070					108

PCB-54	*	*	n	NotFnd	1.32	*		1790	2390	0.524	
PCB-50	*	*	n	NotFnd	1.02	*		1790	2390	0.676	
PCB-53	1.09e+06	0.75	y	27:23	0.99	19.5		-	-	*	
PCB-51	3.66e+05	0.68	y	27:42	1.02	6.33		-	-	*	
PCB-45	8.30e+05	0.79	y	28:06	0.86	16.9		-	-	*	
PCB-46	3.11e+05	0.80	y	28:34	0.83	6.64		-	-	*	
PCB-52	1.35e+07	0.78	y	29:01	1.08	221		-	-	*	Co-elute PCB 69
PCB-69	1.35e+07	0.78	y	29:01	1.08	221		-	-	*	Co-elute PCB 52
PCB-73	1.85e+05	0.76	y	29:08	1.22	2.66		-	-	*	
PCB-43	8.73e+06	0.78	y	29:18	0.91	170		-	-	*	Co-elute PCB 49
PCB-49	8.73e+06	0.78	y	29:18	0.91	170		-	-	*	Co-elute PCB 43
PCB-47	2.80e+06	0.76	y	29:30	0.92	53.4		-	-	*	
PCB-48	1.77e+06	0.77	y	29:37	1.20	25.8		-	-	*	Co-elute PCB 75
PCB-75	1.77e+06	0.77	y	29:37	1.20	25.8		-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.23	*		1790	2390	0.562	
PCB-62	*	*	n	NotFnd	1.22	*		1790	2390	0.567	
PCB-44	6.55e+06	0.79	y	30:18	0.80	144		-	-	*	
PCB-42	2.63e+06	0.81	y	30:34	1.06	43.5		-	-	*	Co-elute PCB 59
PCB-59	2.63e+06	0.81	y	30:34	1.06	43.5		-	-	*	Co-elute PCB 42
PCB-72	6.67e+06	0.79	y	31:12	1.20	98.0		-	-	*	Co-elute PCB 41/71/64
PCB-41	6.67e+06	0.79	y	31:12	1.20	98.0		-	-	*	Co-elute PCB 72/71/64
PCB-71	6.67e+06	0.79	y	31:12	1.20	98.0		-	-	*	Co-elute PCB 72/41/64
PCB-64	6.67e+06	0.79	y	31:12	1.20	98.0		-	-	*	Co-elute PCB 72/41/71
PCB-68	1.40e+05	0.85	y	31:24	1.36	1.81	J	-	-	*	
PCB-40	7.76e+05	0.79	y	31:34	0.77	17.8		-	-	*	
PCB-57	1.33e+05	0.76	y	31:51	1.25	1.87	J	-	-	*	
PCB-67	5.44e+05	0.77	y	32:08	1.29	7.43		-	-	*	
PCB-58	6.74e+04	0.73	y	32:15	1.26	0.945	J	-	-	*	
PCB-63	5.47e+05	0.79	y	32:24	1.31	7.37		-	-	*	
PCB-74	5.74e+06	0.77	y	32:40	1.29	78.5		-	-	*	
PCB-61	1.48e+07	0.78	y	32:51	1.17	223		-	-	*	Co-elute PCB 70
PCB-70	1.48e+07	0.78	y	32:51	1.17	223		-	-	*	Co-elute PCB 61
PCB-76	1.25e+07	0.78	y	33:03	1.36	162		-	-	*	Co-elute PCB 66
PCB-66	1.25e+07	0.78	y	33:03	1.36	162		-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.53	*		1790	2390	0.452	
PCB-55	3.95e+05	0.72	y	33:31	1.37	5.08		-	-	*	
13C-PCB-54	5.62e+07	0.80	y	25:38	1.25	1040					105
PCB-104	*	*	n	NotFnd	1.16	*		760	732	0.384	
PCB-96	1.11e+05	1.43	y	31:28	1.13	2.14		-	-	*	
PCB-103	4.15e+05	1.51	y	31:51	0.93	9.67		-	-	*	
PCB-100	1.40e+05	1.43	y	32:11	0.95	3.21		-	-	*	
PCB-94	8.42e+04	1.56	y	32:38	0.78	2.36		-	-	*	
PCB-98	*	*	n	NotFnd	0.88	*		760	732	0.507	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.88	*		760	732	0.507	Co-elute PCB 98
PCB-95	1.32e+07	1.57	y	33:08	0.80	356		-	-	*	
PCB-93	*	*	n	NotFnd	0.76	*		760	732	0.593	
PCB-88	2.22e+06	1.47	y	33:31	0.90	53.8		-	-	*	Co-elute PCB 91
PCB-91	2.22e+06	1.47	y	33:31	0.90	53.8		-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.08	*		760	732	0.413	
13C-PCB-104	4.55e+07	1.58	y	30:07	1.08	982					99.3
13C-PCB-28	8.19e+07	1.07	y	26:44	1.93	989					100
13C-PCB-52	4.25e+07	0.77	y	29:00	-	3.98					

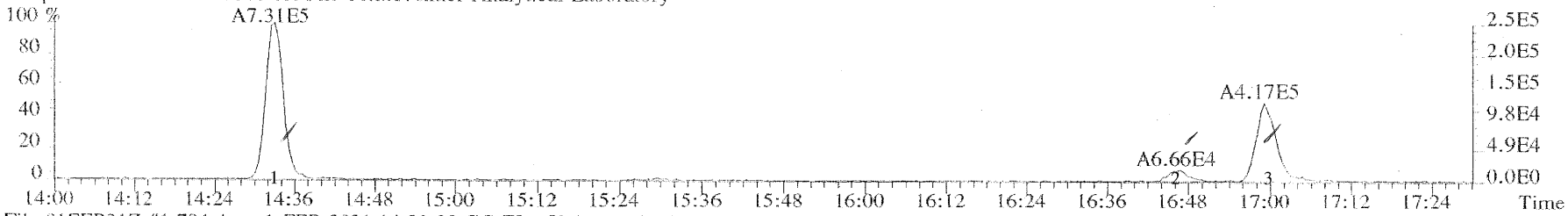
PCB-56	8.18e+06	0.79	y	34:02	1.23	94.8		-	-	*	Co-elute PCB 60
PCB-60	8.18e+06	0.79	y	34:02	1.23	94.8		-	-	*	Co-elute PCB 56
PCB-79	4.45e+05	0.81	y	35:03	1.29	4.90		-	-	*	
PCB-78	*	*	n	NotFnd	1.27	*		1500	2750	0.623	
PCB-81	5.78e+05	0.73	y	36:13	1.38	6.07		-	-	*	
13C-PCB-81	6.85e+07	0.80	y	36:12	1.60	1140					115
PCB-77	1.40e+06	0.83	y	36:48	1.18	16.7		-	-	*	
13C-PCB-77	7.02e+07	0.79	y	36:46	1.65	1130					114
PCB-155	*	*	n	NotFnd	1.08	*		1200	672	0.382	
PCB-150	7.85e+04	1.23	y	35:28	1.06	1.62	J	-	-	*	
PCB-152	*	*	n	NotFnd	1.05	*		1200	672	0.394	
PCB-145	*	*	n	NotFnd	1.06	*		1200	672	0.392	
PCB-136	3.48e+06	1.26	y	36:39	1.09	70.0		-	-	*	
PCB-148	*	*	n	NotFnd	0.76	*		1200	672	0.544	
PCB-154	7.39e+05	1.33	y	37:13	0.92	17.6		-	-	*	
13C-PCB-155	4.51e+07	1.32	y	34:15	1.30	921					93.1
13C-PCB-111	4.48e+07	1.64	y	36:21	1.25	952					96.2
13C-PCB-101	3.72e+07	1.66	y	34:41	-	3.73					
PCB-84	7.84e+06	1.55	y	34:21	0.71	178		-	-	*	Co-elute PCB 92
PCB-92	7.84e+06	1.55	y	34:21	0.71	178		-	-	*	Co-elute PCB 84
PCB-89	1.79e+05	1.33	y	34:32	0.71	4.05		-	-	*	
PCB-90	2.12e+07	1.59	y	34:44	0.82	419		-	-	*	Co-elute PCB 101
PCB-101	2.12e+07	1.59	y	34:44	0.82	419		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.93	*		1830	1060	0.602	
PCB-99	1.08e+07	1.57	y	35:03	0.87	199		-	-	*	
PCB-119	9.87e+05	1.55	y	35:28	1.02	15.6		-	-	*	
PCB-83	1.00e+06	1.52	y	35:38	0.83	19.3		-	-	*	Co-elute PCB 112
PCB-112	1.00e+06	1.52	y	35:38	0.83	19.3		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.00	*		1830	1060	0.562	
PCB-97	5.42e+06	1.61	y	35:57	0.68	128		-	-	*	
PCB-86	*	*	n	NotFnd	0.78	*		1830	1060	0.722	
PCB-125	7.52e+06	1.55	y	36:13	0.91	133		-	-	*	Co-elute PCB 87/117
PCB-87	7.52e+06	1.55	y	36:13	0.91	133		-	-	*	Co-elute PCB 125/117
PCB-117	7.52e+06	1.55	y	36:13	0.91	133		-	-	*	Co-elute PCB 125/87
PCB-111	3.47e+05	1.58	y	36:22	1.06	5.28		-	-	*	Co-elute PCB 115
PCB-115	3.47e+05	1.58	y	36:22	1.06	5.28		-	-	*	Co-elute PCB 111
PCB-85	3.24e+06	1.60	y	36:29	0.90	58.3		-	-	*	Co-elute PCB 116
PCB-116	3.24e+06	1.60	y	36:29	0.90	58.3		-	-	*	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*		1830	1060	0.530	
PCB-110	2.47e+07	1.60	y	36:51	1.08	370		-	-	*	
PCB-82	1.63e+06	1.57	y	37:27	0.63	41.8		-	-	*	
PCB-124	1.17e+06	1.57	y	38:06	1.23	15.4		-	-	*	
PCB-108	2.11e+06	1.64	y	38:16	1.29	26.3		-	-	*	Co-elute PCB 107
PCB-107	2.11e+06	1.64	y	38:16	1.29	26.3		-	-	*	Co-elute PCB 108
PCB-123	3.59e+05	1.67	y	38:24	1.17	5.22		-	-	*	
13C-PCB-123	5.81e+07	1.59	y	38:23	1.35	1100					112
PCB-118	2.64e+07	1.56	y	38:34	1.22	320		-	-	*	Co-elute PCB 106
PCB-106	2.64e+07	1.56	y	38:34	1.22	320		-	-	*	Co-elute PCB 118
13C-PCB-118	6.65e+07	1.60	y	38:34	1.49	1150					116
PCB-114	6.39e+05	1.63	y	39:12	1.22	8.41		-	-	*	
13C-PCB-114	6.18e+07	1.60	y	39:11	1.43	1110					112
PCB-122	3.72e+05	1.55	y	39:19	1.33	4.51		-	-	*	
PCB-105	9.32e+06	1.55	y	40:02	1.29	121		-	-	*	
13C-PCB-105	5.94e+07	1.60	y	40:00	1.42	1080					109

PCB-127	*	*	n	NotFnd	1.18	*		1480	1100	0.426	
PCB-126	1.32e+05	1.49	y	42:07	1.25	1.96	J	-	-	*	
13C-PCB-126	5.34e+07	1.56	y	42:08	1.29	1060					107
PCB-151	5.52e+06	1.21	y	37:50	1.00	115		-	-	*	
PCB-135	3.34e+06	1.20	y	38:01	1.05	65.6		-	-	*	
PCB-144	1.01e+06	1.31	y	38:08	1.02	20.4		-	-	*	
PCB-147	4.74e+05	1.18	y	38:16	1.10	8.87		-	-	*	
PCB-139	2.03e+07	1.25	y	38:31	1.10	380		-	-	*	Co-elute PCB 149
PCB-149	2.03e+07	1.25	y	38:31	1.10	380		-	-	*	Co-elute PCB 139
PCB-140	3.86e+05	1.28	y	38:41	1.08	7.37		-	-	*	
PCB-143	1.17e+06	1.27	y	39:07	0.90	26.7		-	-	*	Co-elute PCB 134
PCB-134	1.17e+06	1.27	y	39:07	0.90	26.7		-	-	*	Co-elute PCB 143
PCB-131	8.73e+05	1.21	y	39:24	0.90	20.0		-	-	*	Co-elute PCB 133
PCB-133	8.73e+05	1.21	y	39:24	0.90	20.0		-	-	*	Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.92	*		1580	1030	0.738	
PCB-165	5.57e+06	1.26	y	39:45	1.20	96.2		-	-	*	Co-elute PCB 146
PCB-146	5.57e+06	1.26	y	39:45	1.20	96.2		-	-	*	Co-elute PCB 165
PCB-161	6.62e+06	1.23	y	40:02	1.14	120		-	-	*	Co-elute PCB 132
PCB-132	6.62e+06	1.23	y	40:02	1.14	120		-	-	*	Co-elute PCB 161
PCB-153	2.75e+07	1.26	y	40:08	1.21	471		-	-	*	
PCB-168	*	*	n	NotFnd	1.33	*		1580	1030	0.510	
PCB-141	3.87e+06	1.25	y	40:51	1.01	78.8		-	-	*	
PCB-137	7.54e+05	1.25	y	41:12	0.96	16.2		-	-	*	
PCB-130	1.76e+06	1.22	y	41:17	0.95	38.5		-	-	*	
PCB-138	2.61e+07	1.23	y	41:39	1.21	446		-	-	*	Co-elute PCB 163/164
PCB-163	2.61e+07	1.23	y	41:39	1.21	446		-	-	*	Co-elute PCB 138/164
PCB-164	2.61e+07	1.23	y	41:39	1.21	446		-	-	*	Co-elute PCB 138/163
PCB-158	3.23e+06	1.25	y	41:52	1.34	49.6		-	-	*	Co-elute PCB 160
PCB-160	3.23e+06	1.25	y	41:52	1.34	49.6		-	-	*	Co-elute PCB 158
PCB-129	8.56e+05	1.19	y	42:07	0.89	19.9		-	-	*	
PCB-166	1.03e+05	1.17	y	42:35	1.31	1.63	J	-	-	*	
PCB-159	3.91e+05	1.22	y	42:53	1.38	5.86		-	-	*	
PCB-128	3.96e+06	1.24	y	43:08	1.13	72.2		-	-	*	Co-elute PCB 162
PCB-162	3.96e+06	1.24	y	43:08	1.13	72.2		-	-	*	Co-elute PCB 128
PCB-167	1.09e+06	1.24	y	43:31	1.24	17.7		-	-	*	
13C-PCB-167	4.93e+07	1.27	y	43:29	1.16	1090					111
PCB-156	2.85e+06	1.30	y	44:45	1.29	47.5		-	-	*	
13C-PCB-156	4.60e+07	1.29	y	44:43	1.12	1060					107
PCB-157	6.44e+05	1.29	y	45:00	1.24	10.3		-	-	*	
13C-PCB-157	4.99e+07	1.32	y	44:58	1.15	1110					112
PCB-169	*	*	n	NotFnd	1.17	*		1580	1030	0.595	
13C-PCB-169	4.65e+07	1.27	y	46:50	1.08	1100					111

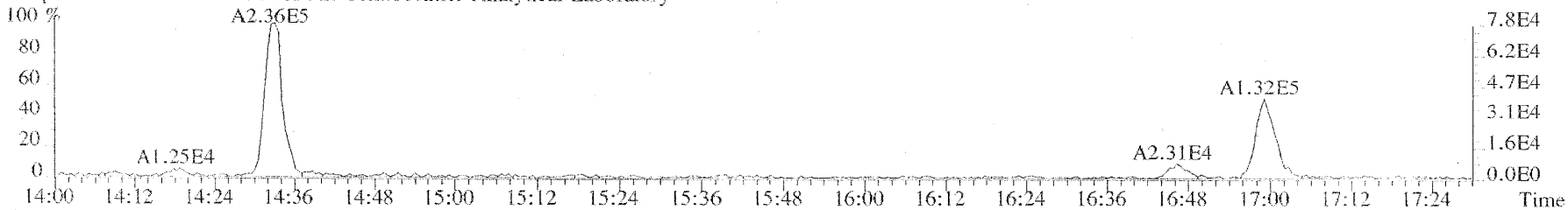
PCB-188	*	*	n	NotFnd	1.12	*	1300	789	0.499	
13C-PCB-188	4.10e+07	1.09	y	39:45	1.17	901				91.1
PCB-184	*	*	n	NotFnd	1.25	*	1300	789	0.458	
PCB-179	3.44e+06	1.03	y	40:56	1.18	73.9	-	-	*	
PCB-176	1.08e+06	1.02	y	41:22	1.16	23.8	-	-	*	
PCB-186	*	*	n	NotFnd	1.17	*	1300	789	0.489	
PCB-178	1.28e+06	1.01	y	42:25	0.84	38.6	-	-	*	
PCB-175	2.58e+05	0.97	y	42:45	0.86	7.61	-	-	*	
PCB-187	7.98e+06	1.01	y	42:53	0.95	213	-	-	*	Co-elute PCB 182
PCB-182	7.98e+06	1.01	y	42:53	0.95	213	-	-	*	Co-elute PCB 187
PCB-183	3.70e+06	1.02	y	43:13	0.94	101	-	-	*	
PCB-185	5.60e+05	1.00	y	43:52	0.86	16.6	-	-	*	
PCB-174	5.59e+06	1.04	y	44:12	0.86	164	-	-	*	
PCB-181	*	*	n	NotFnd	0.87	*	1300	789	0.662	
PCB-177	3.42e+06	1.05	y	44:27	0.80	109	-	-	*	
PCB-171	1.37e+06	1.05	y	44:43	0.84	41.4	-	-	*	
PCB-173	7.97e+04	1.01	y	45:08	0.77	2.64	-	-	*	
PCB-172	9.10e+05	1.12	y	45:31	0.80	29.0	-	-	*	
PCB-192	*	*	n	NotFnd	1.06	*	1300	789	0.543	
PCB-180	1.11e+07	1.06	y	45:52	0.82	344	-	-	*	
PCB-193	1.01e+06	1.11	y	46:02	1.13	22.8	-	-	*	
PCB-191	3.29e+05	1.10	y	46:15	1.09	7.65	-	-	*	
PCB-170	4.68e+06	1.02	y	47:10	0.78	152	-	-	*	
PCB-190	1.37e+06	0.99	y	47:19	1.05	33.0	-	-	*	
PCB-189	2.49e+05	1.03	y	48:30	1.08	6.17	-	-	*	
13C-PCB-189	3.68e+07	1.07	y	48:30	1.00	946				95.6
PCB-202	8.56e+05	0.89	y	44:53	1.09	19.9	-	-	*	
PCB-201	6.28e+05	0.84	y	45:21	1.15	13.8	-	-	*	
PCB-204	*	*	n	NotFnd	1.16	*	1560	1740	0.797	
PCB-197	1.94e+05	0.91	y	45:44	1.18	4.15	-	-	*	
PCB-200	5.05e+05	0.96	y	46:30	1.18	10.9	-	-	*	
PCB-198	1.11e+05	0.98	y	47:39	0.84	3.35	-	-	*	
PCB-199	3.02e+06	0.92	y	47:46	0.82	93.4	-	-	*	
PCB-203	3.72e+06	0.89	y	48:01	0.90	105	-	-	*	Co-elute PCB 196
PCB-196	3.72e+06	0.89	y	48:01	0.90	105	-	-	*	Co-elute PCB 203
13C-PCB-202	3.90e+07	0.89	y	44:53	0.98	1030				104
13C-PCB-178	3.05e+07	1.07	y	42:23	0.83	945				95.6
13C-PCB-138	3.85e+07	1.27	y	41:37	-	3.69				
PCB-195	1.46e+06	0.90	y	49:07	0.97	38.5	-	-	*	
PCB-194	3.36e+06	0.90	y	49:54	1.00	85.7	-	-	*	
PCB-205	2.64e+05	0.93	y	50:09	1.22	5.55	-	-	*	
13C-PCB-205	3.86e+07	0.90	y	50:08	1.28	1070				108
PCB-208	5.09e+05	1.39	y	49:13	1.13	11.4	-	-	*	
13C-PCB-208	3.89e+07	0.80	y	49:12	1.23	1120				114
PCB-207	2.55e+05	1.44	y	49:31	1.32	6.01	-	-	*	
PCB-206	1.28e+06	1.32	y	51:21	1.15	44.4	-	-	*	
13C-PCB-206	2.49e+07	0.80	y	51:20	0.89	1000				101
PCB-209	7.60e+05	1.13	y	52:32	1.20	23.0	-	-	*	
13C-PCB-209	2.73e+07	1.19	y	52:31	1.03	946				95.6
13C-PCB-194	2.78e+07	0.91	y	49:53	-	3.09				

Analyst: [illegible] Date: 2/2/21

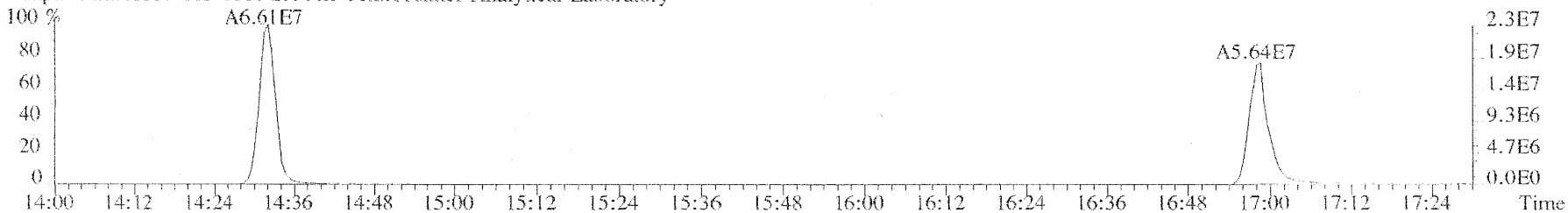
File:01FEB21Z #1-784 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



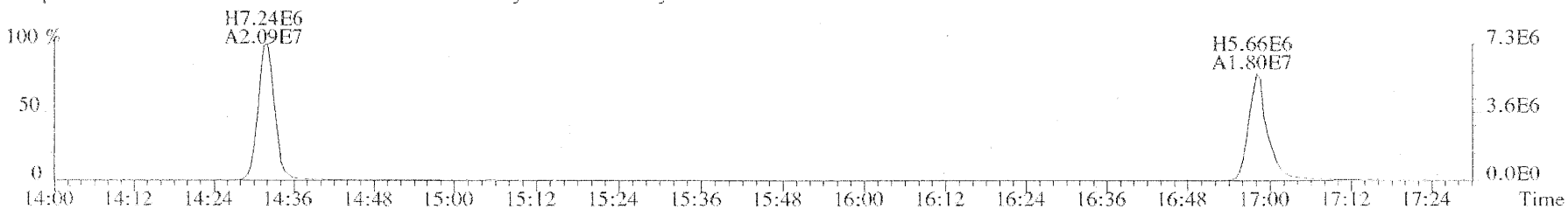
File:01FEB21Z #1-784 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



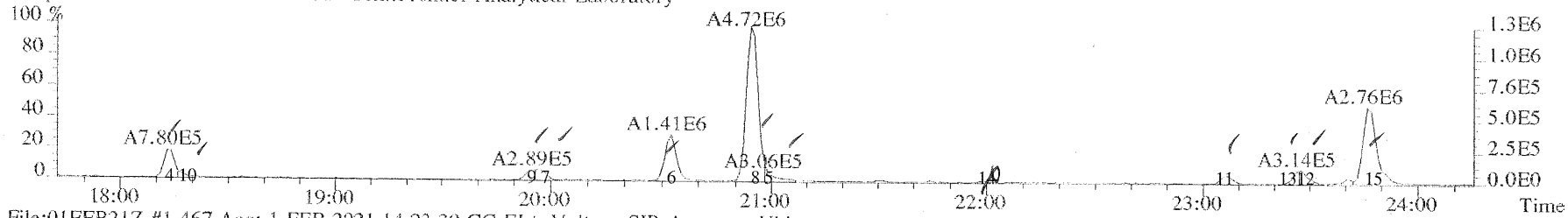
File:01FEB21Z #1-784 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



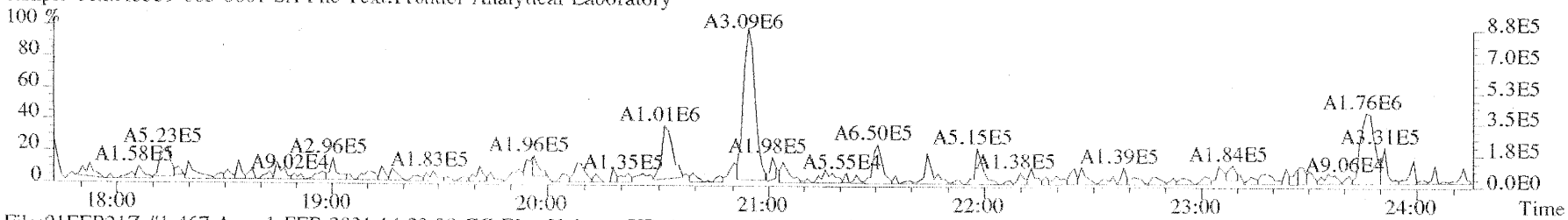
File:01FEB21Z #1-784 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



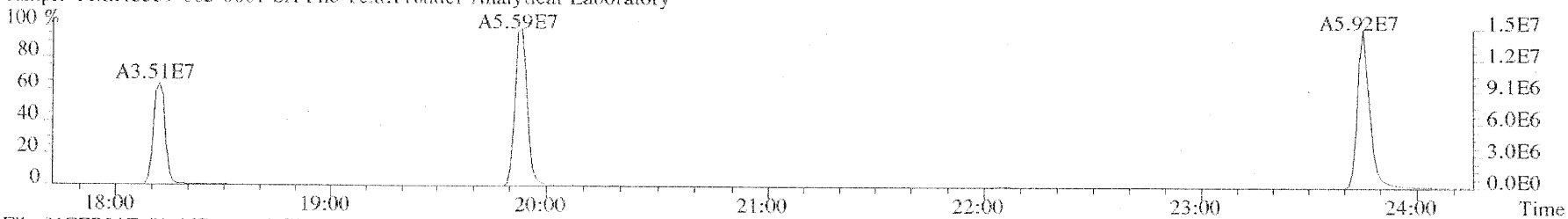
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



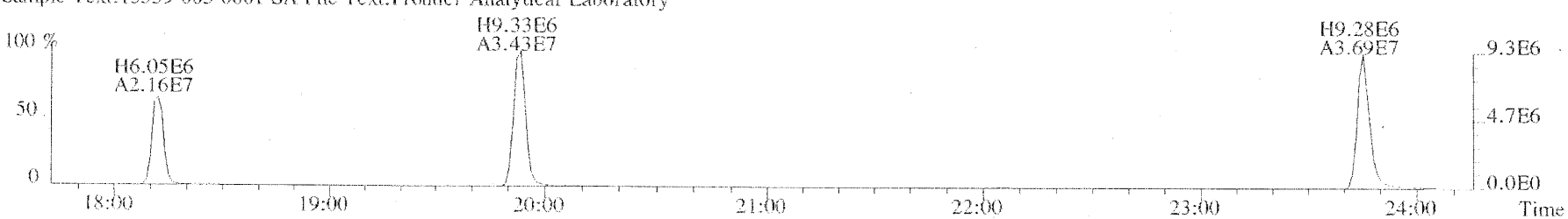
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



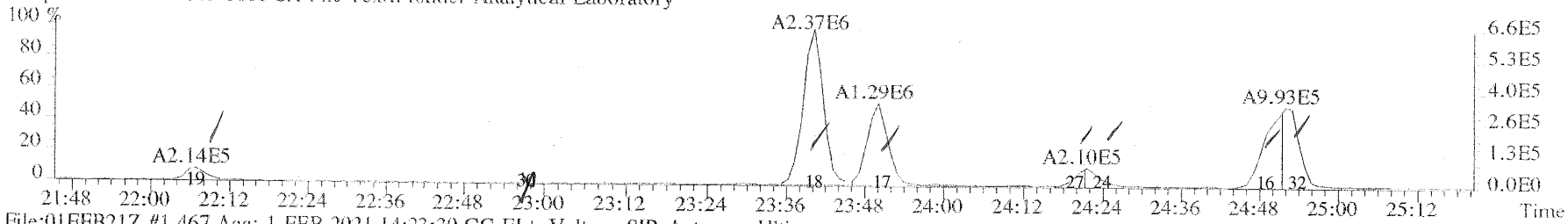
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



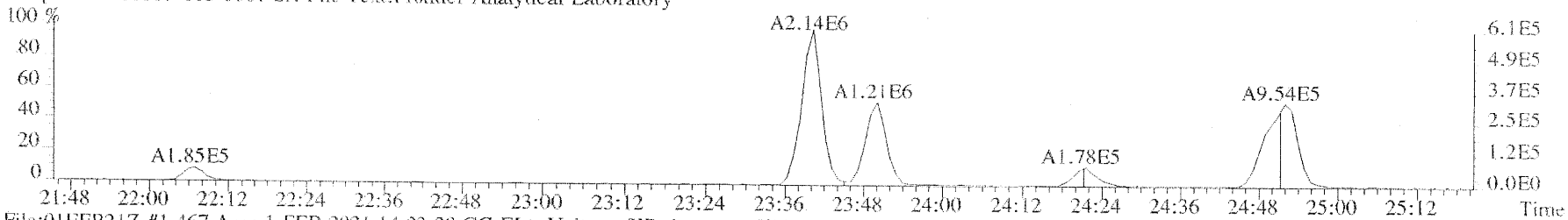
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



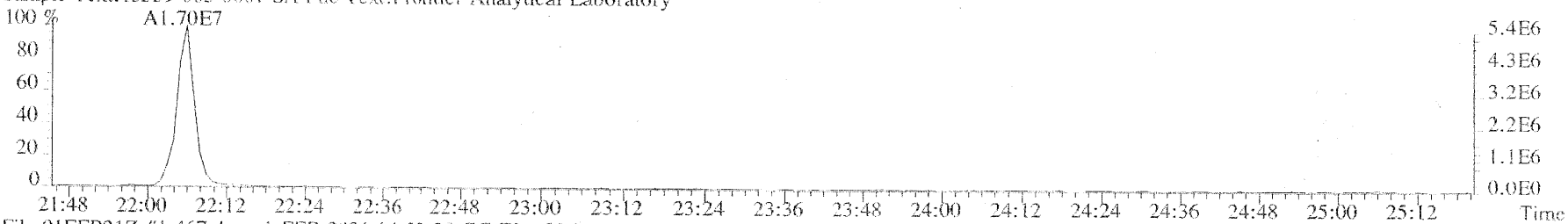
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



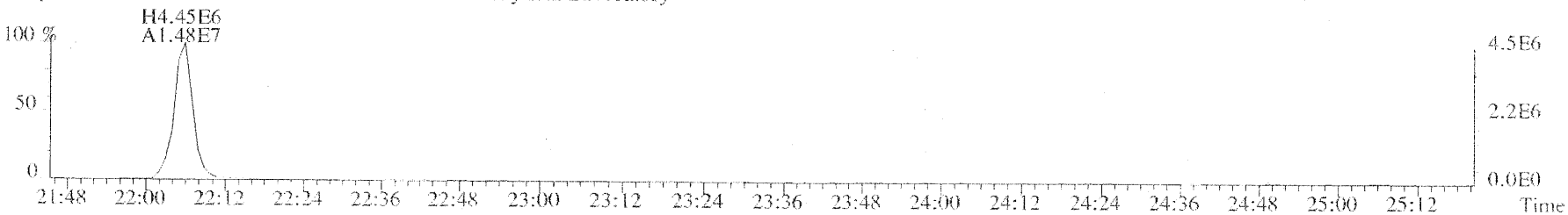
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



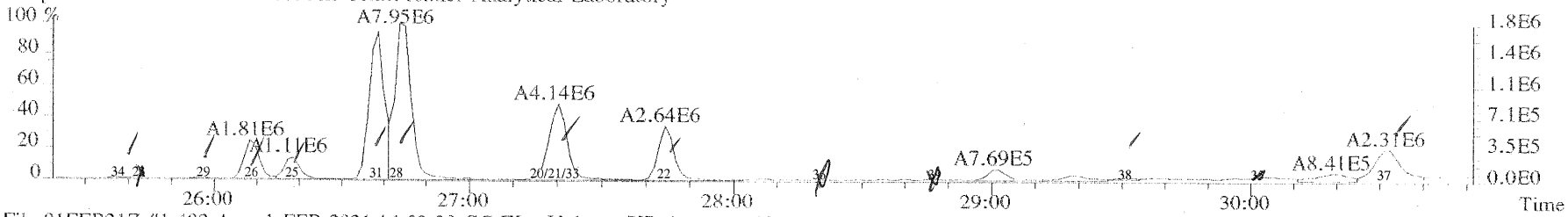
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



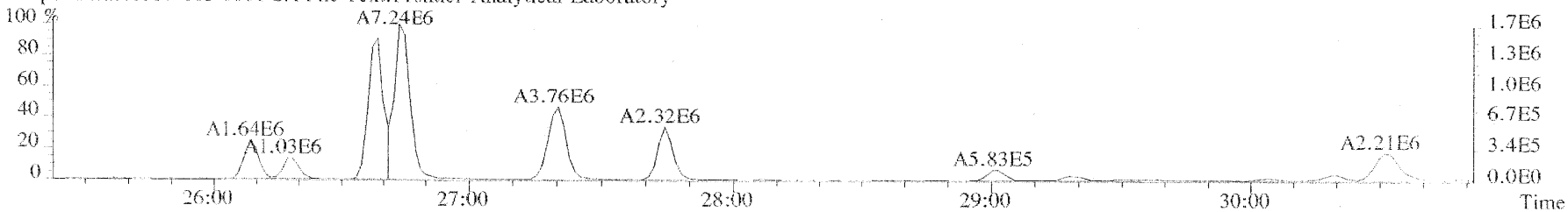
File:01FEB21Z #1-467 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



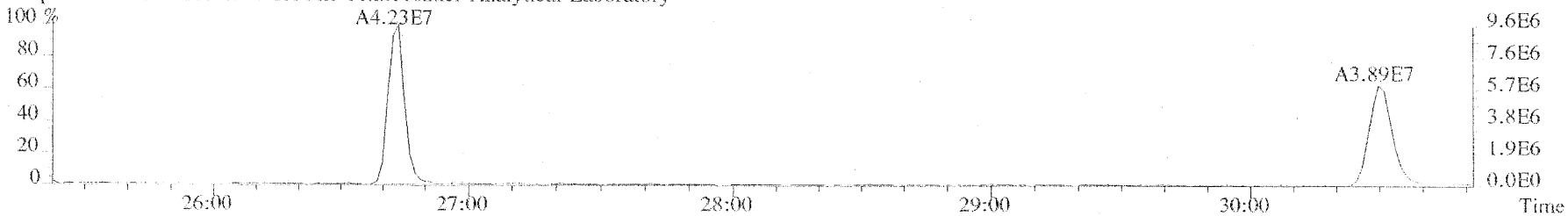
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



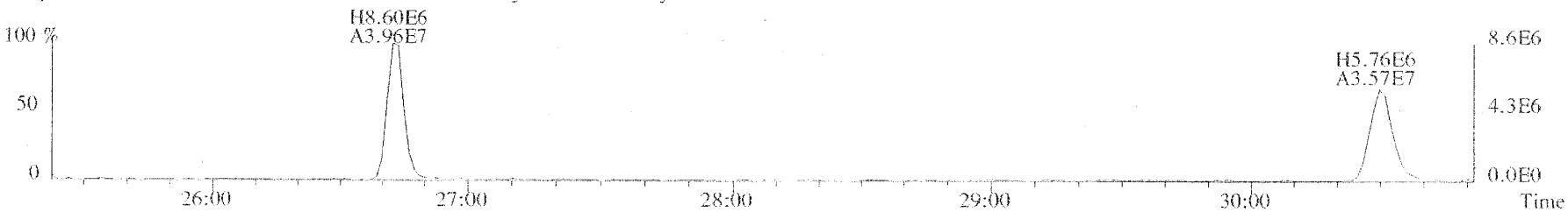
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



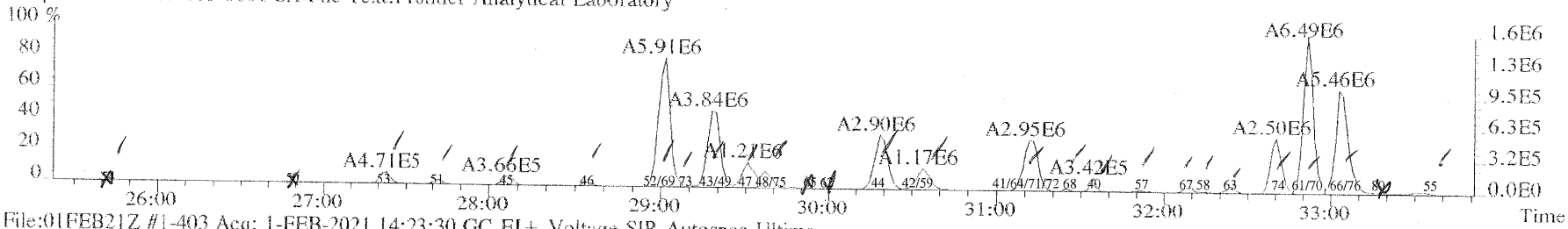
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



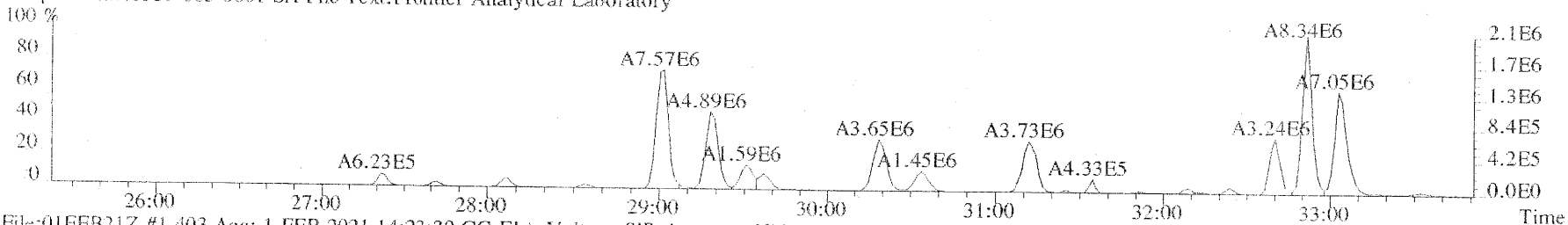
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



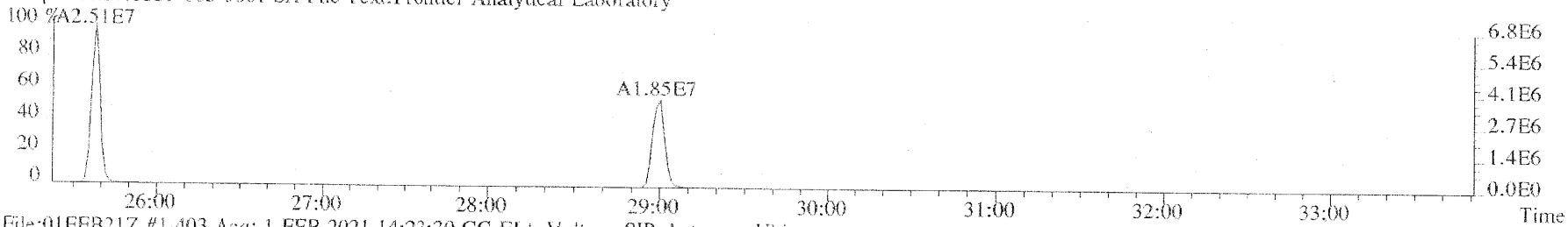
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



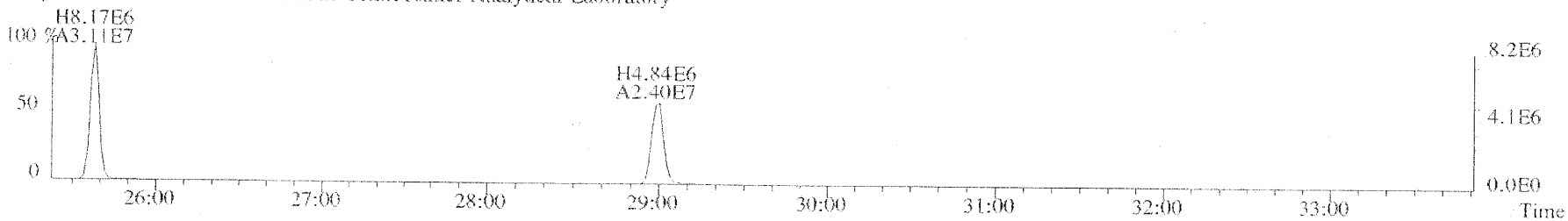
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



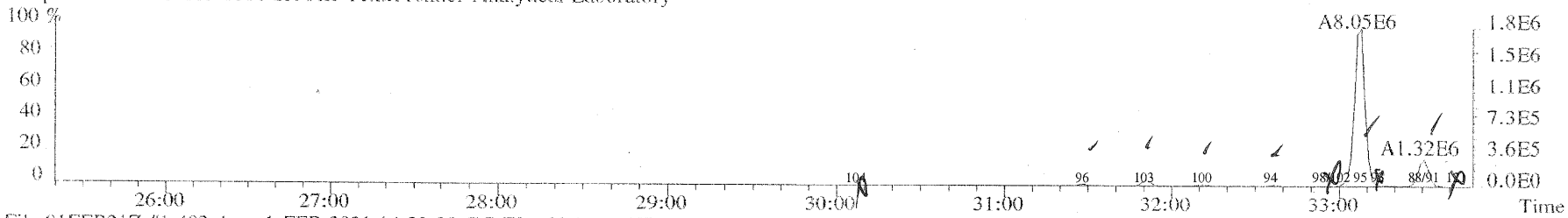
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



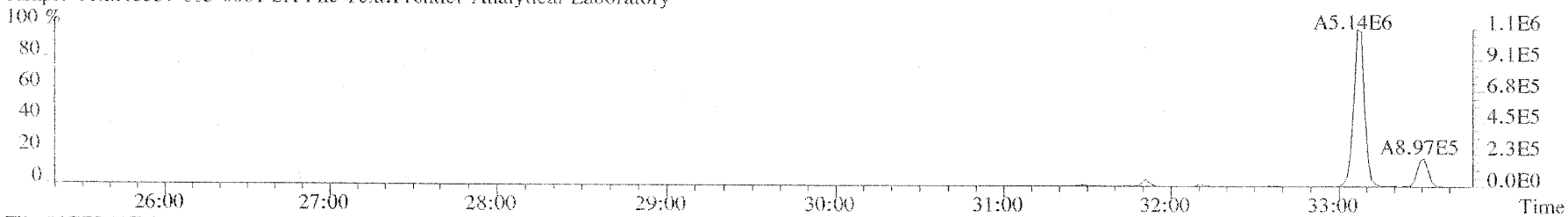
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



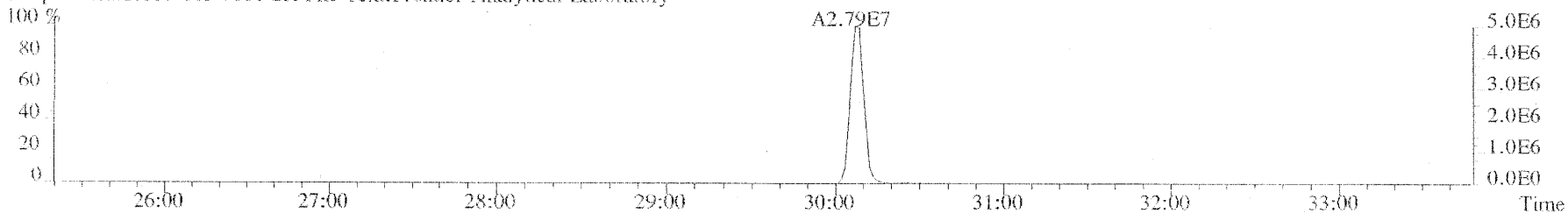
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



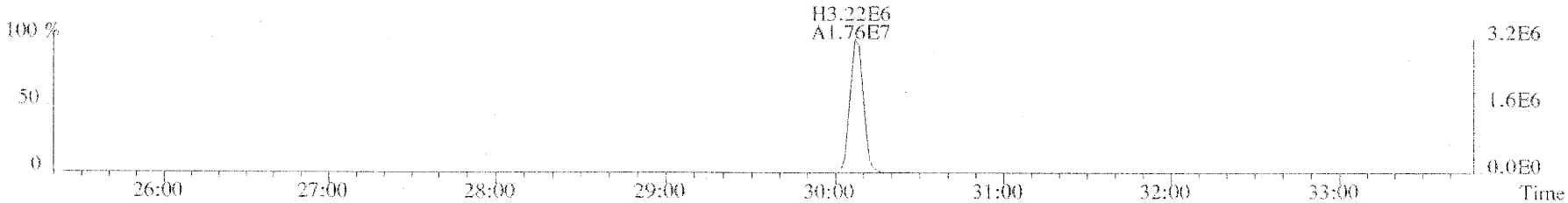
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



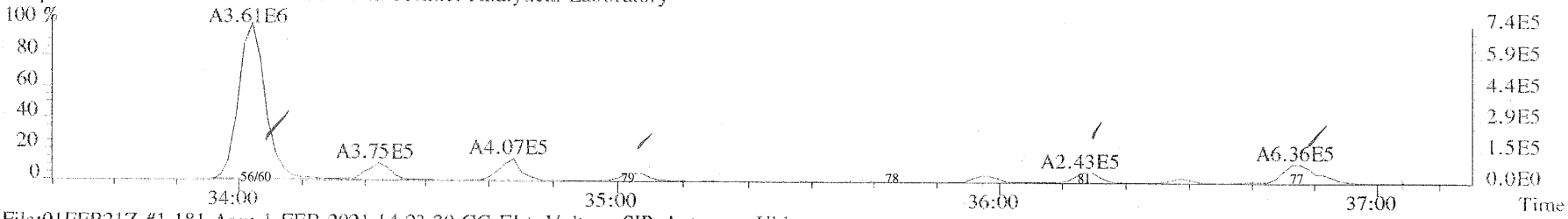
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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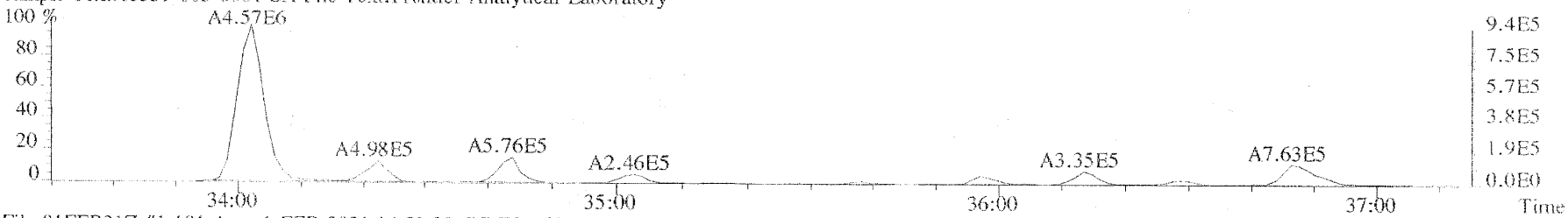
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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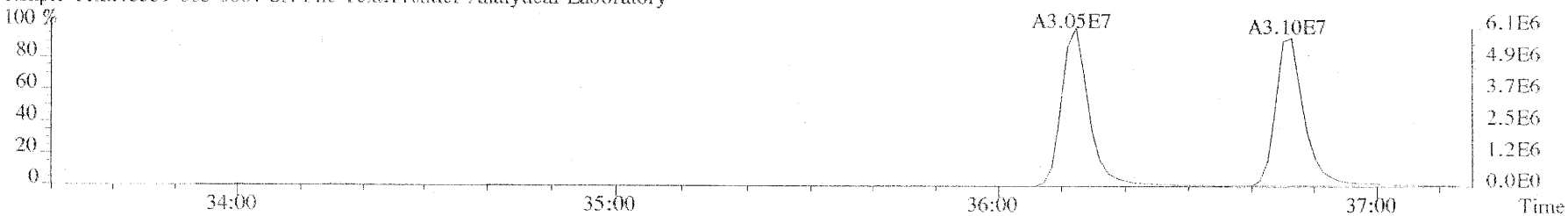
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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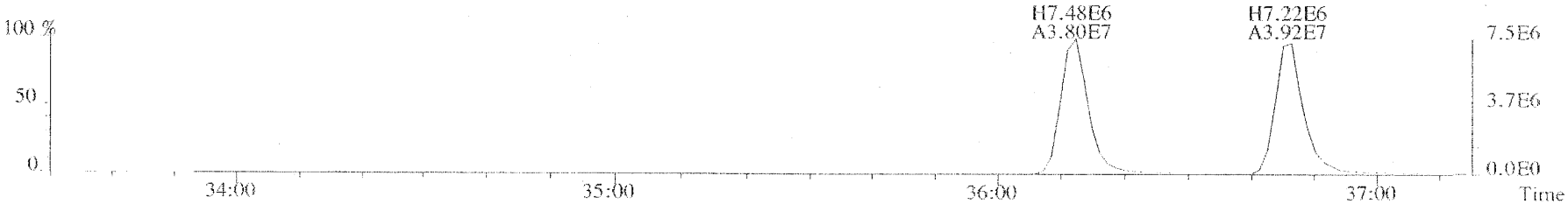
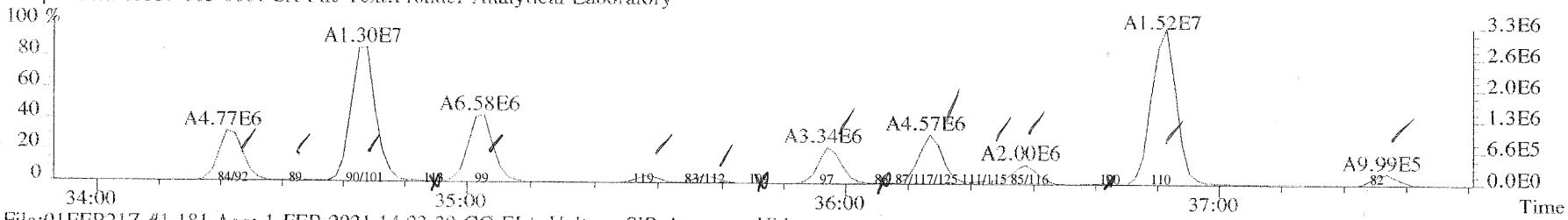
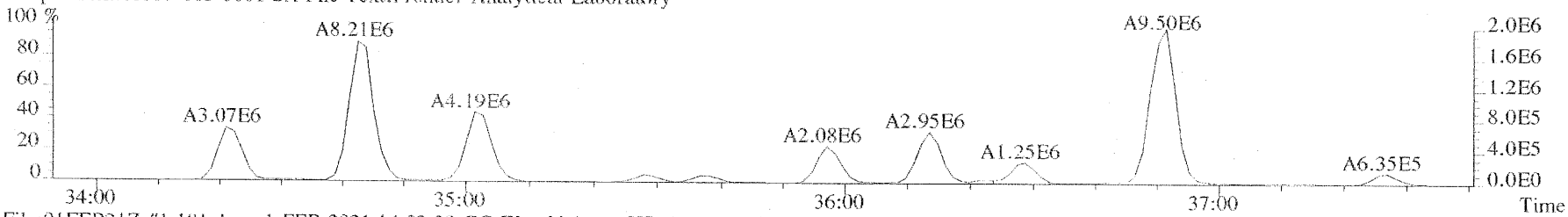
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



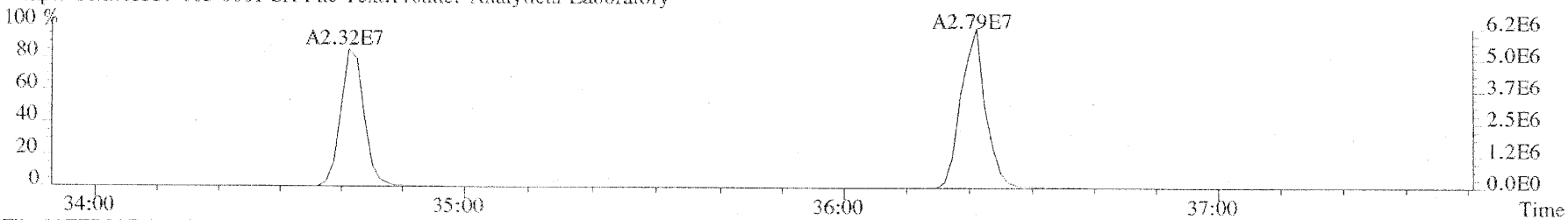
File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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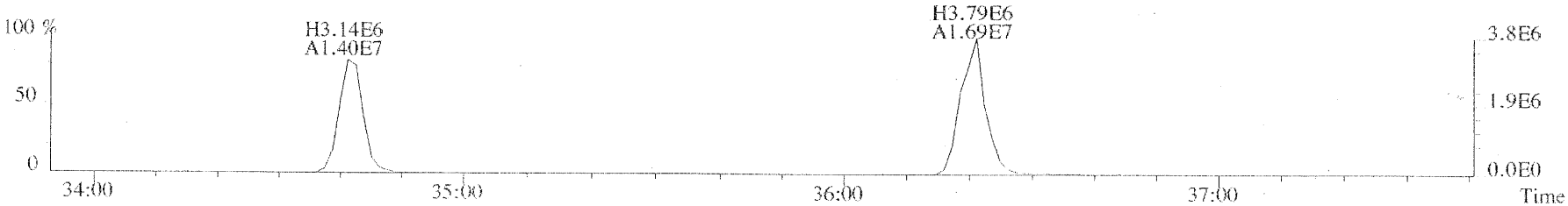
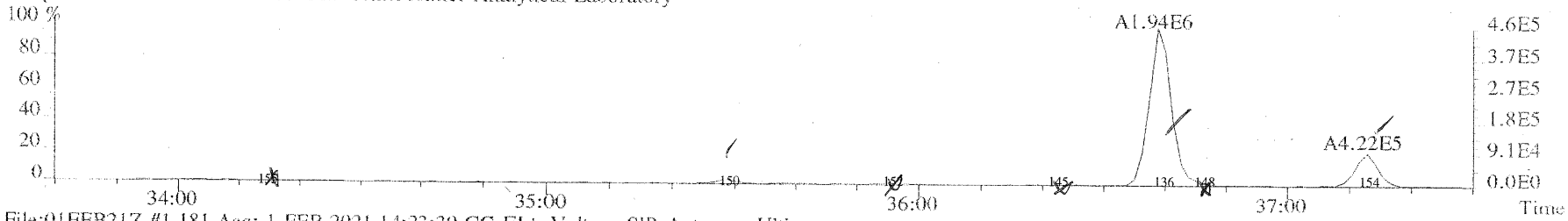
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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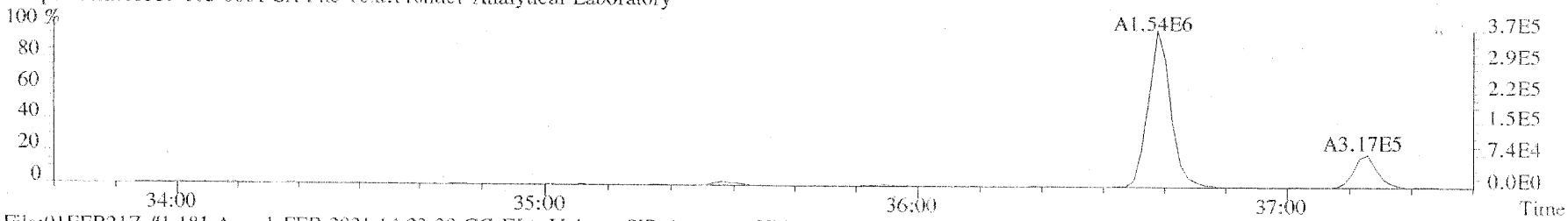
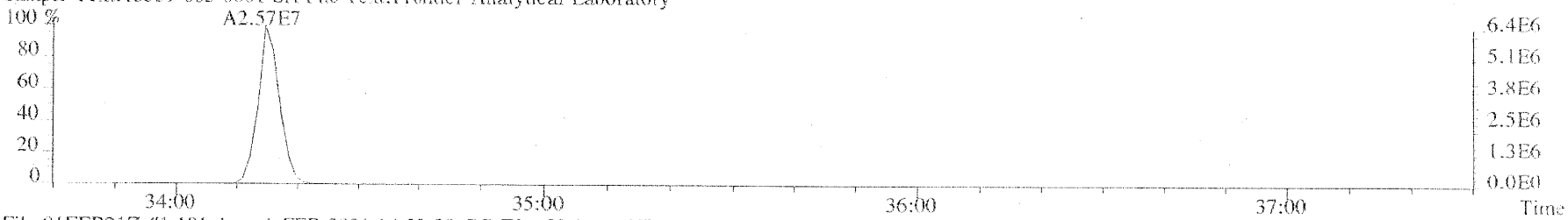
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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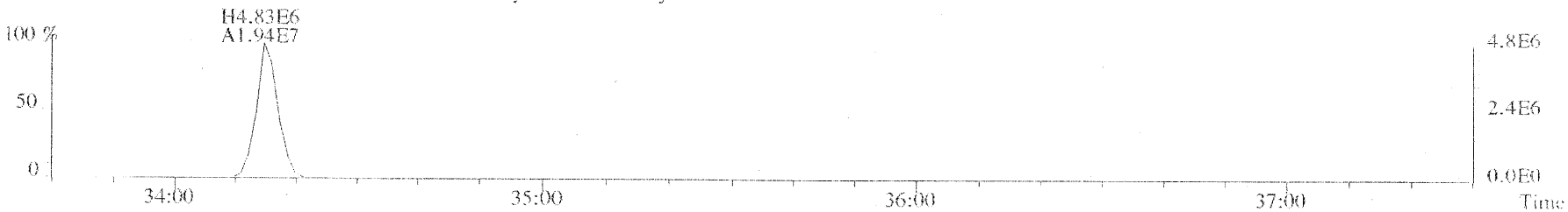
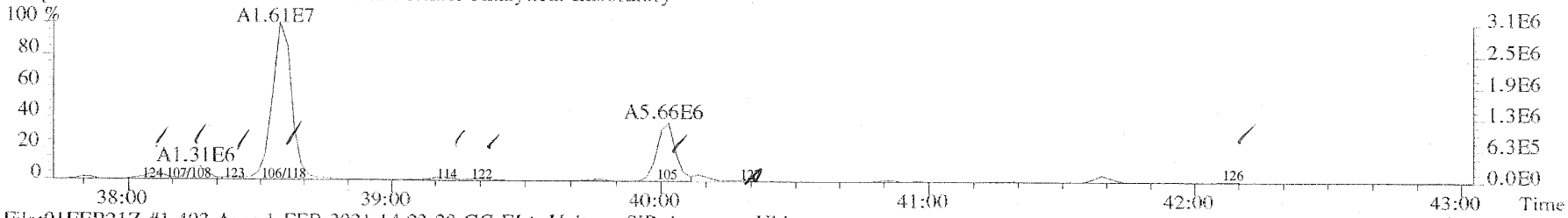
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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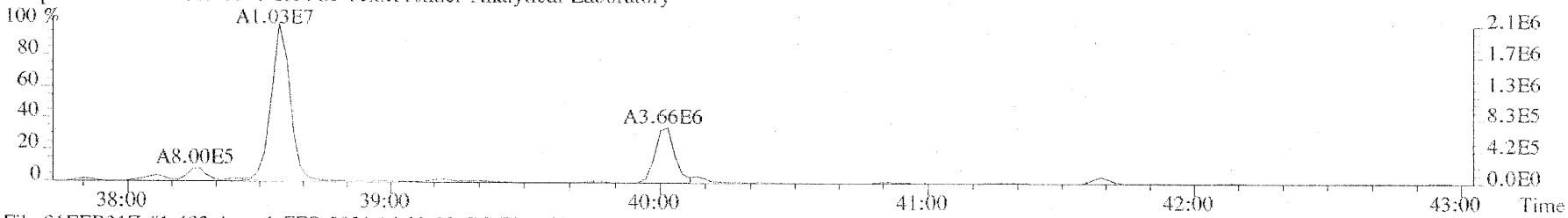

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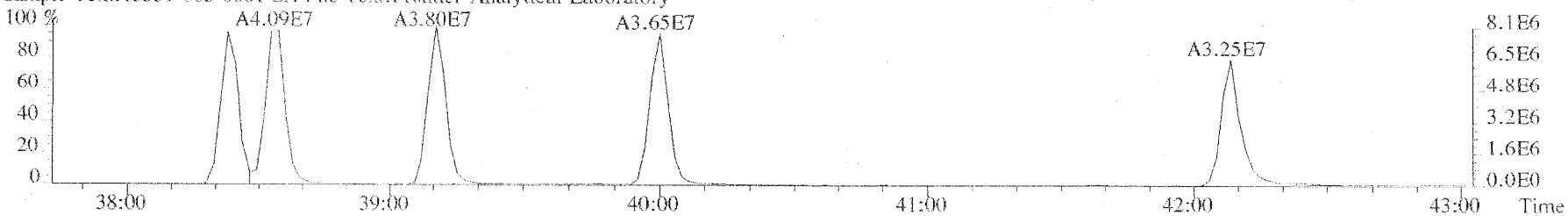
337.9207 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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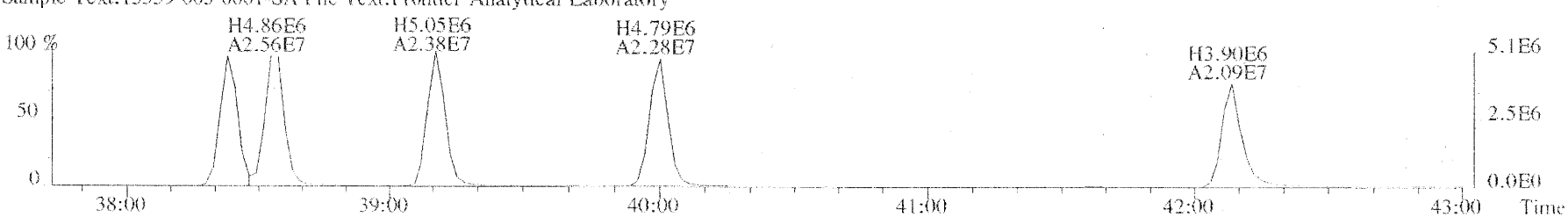
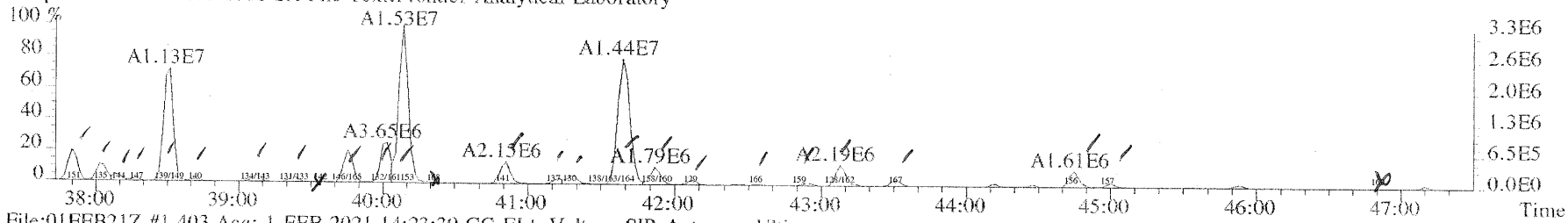
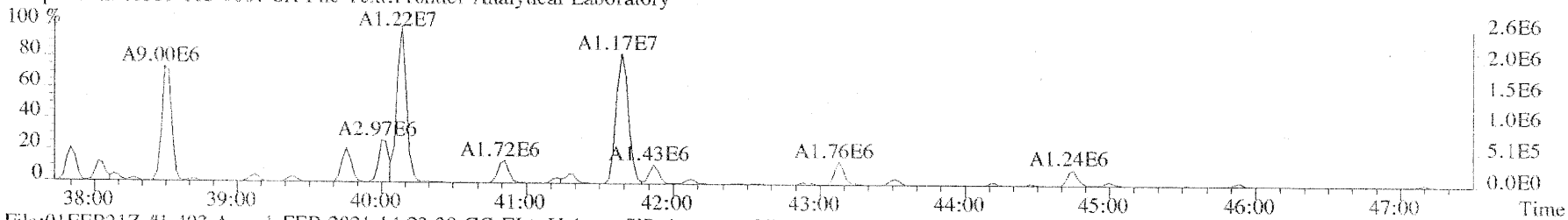
339.9178 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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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
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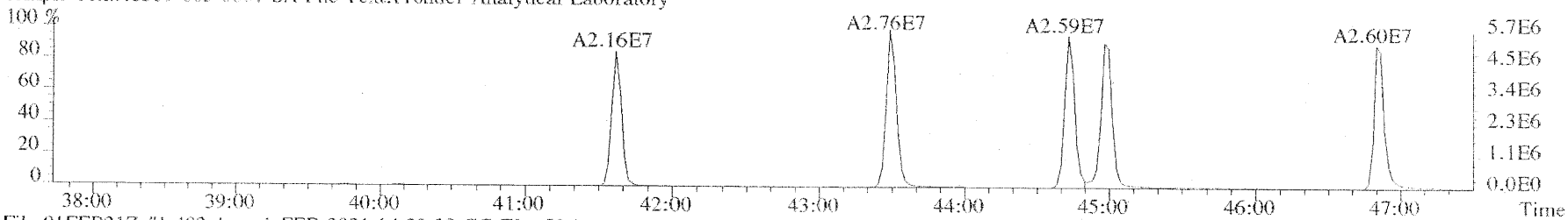

File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
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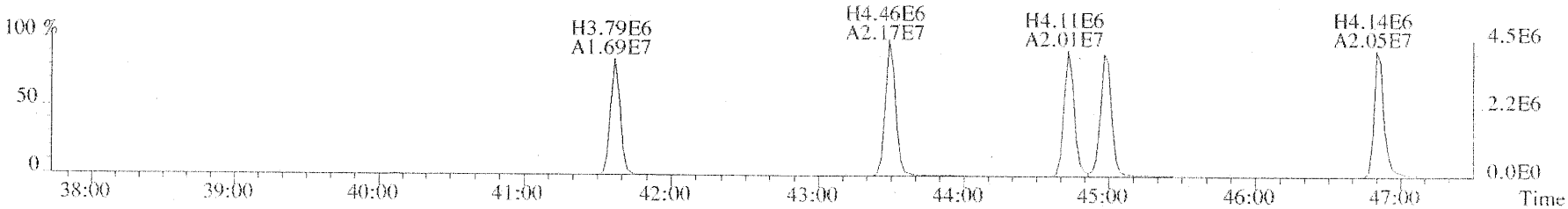
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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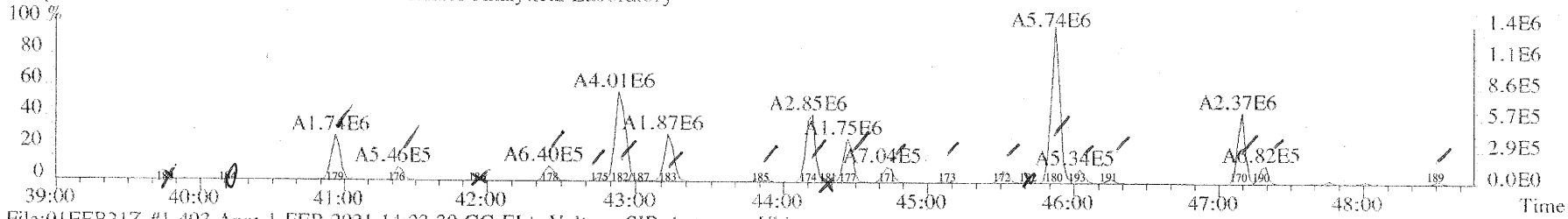

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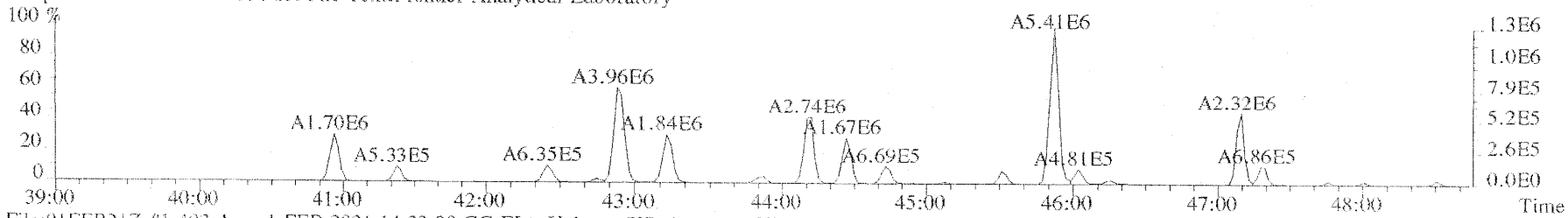
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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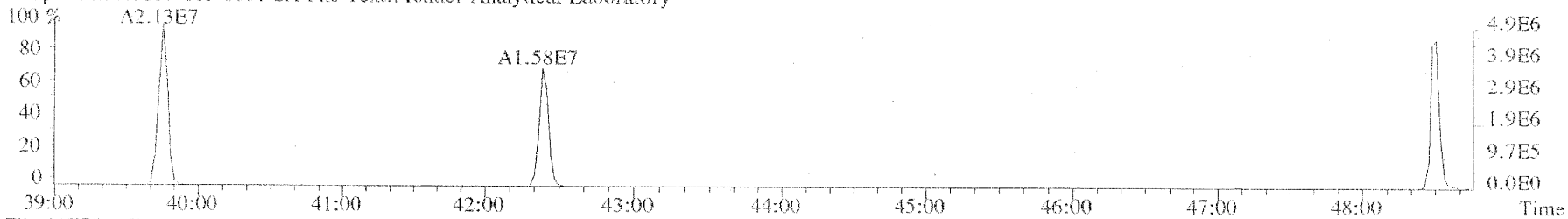
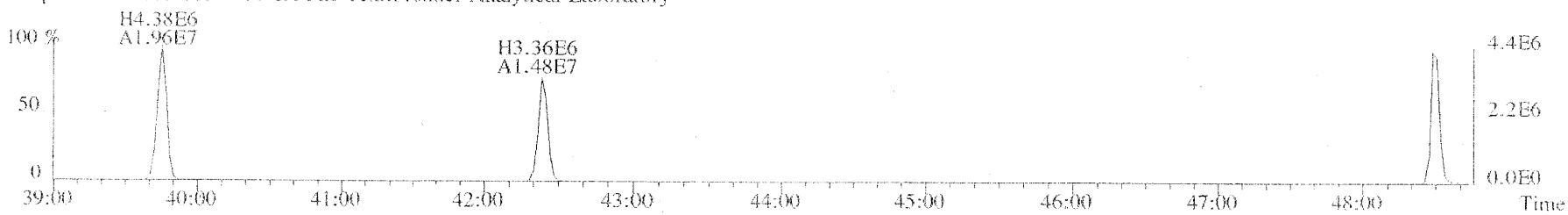
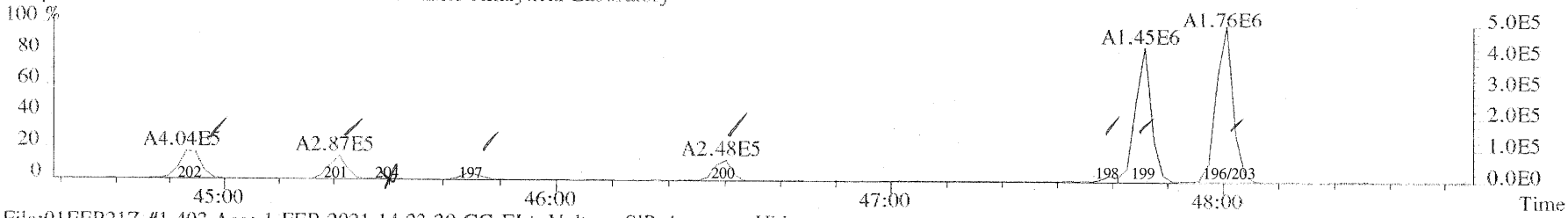
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



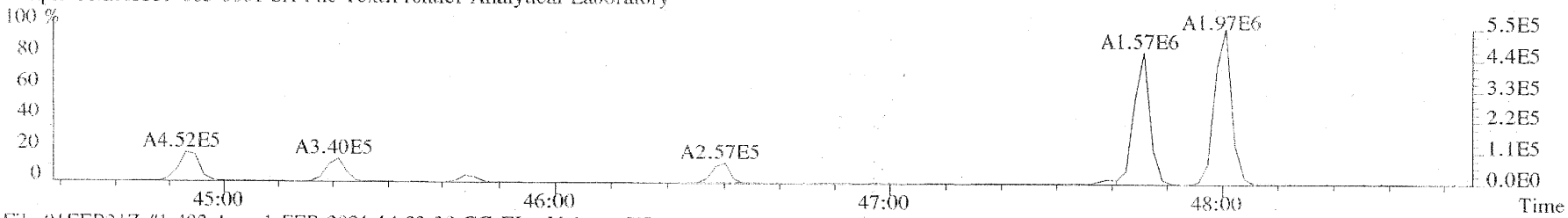
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



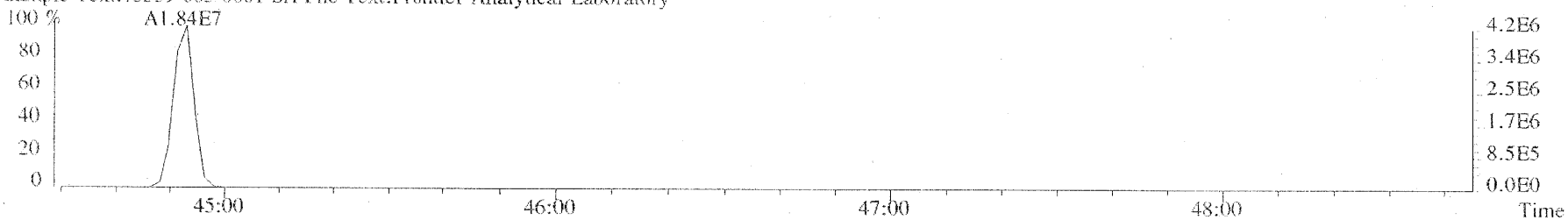
File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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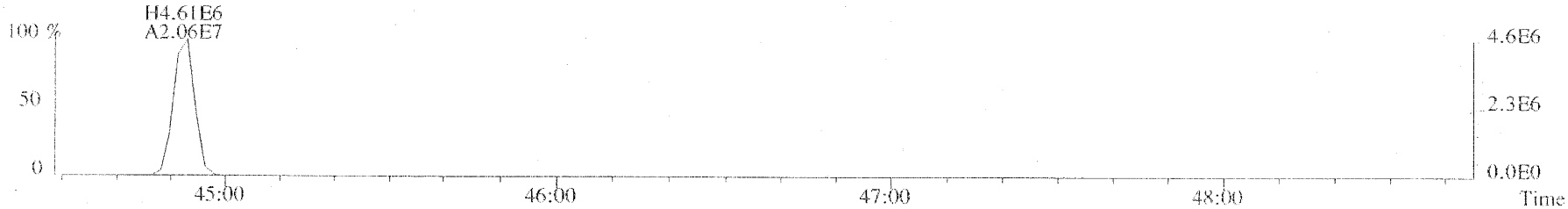
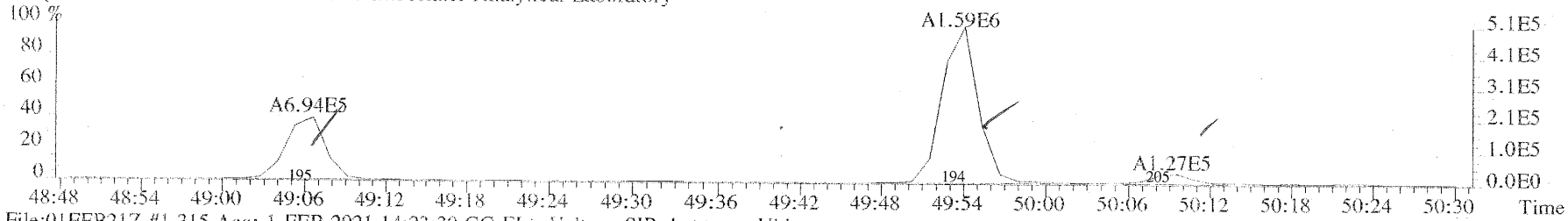
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 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:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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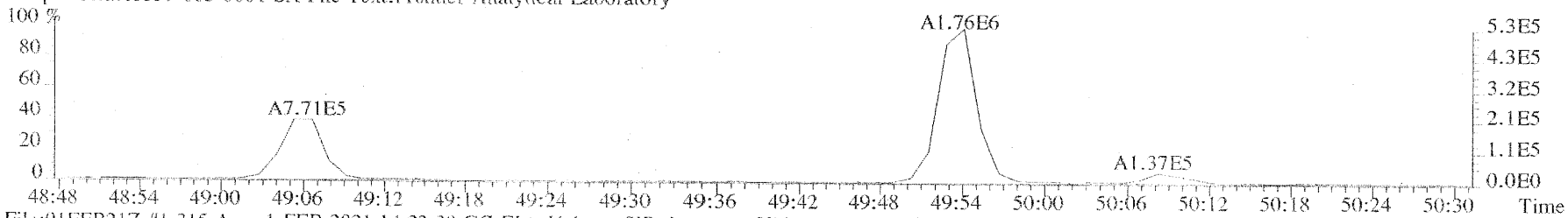
429.7606 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



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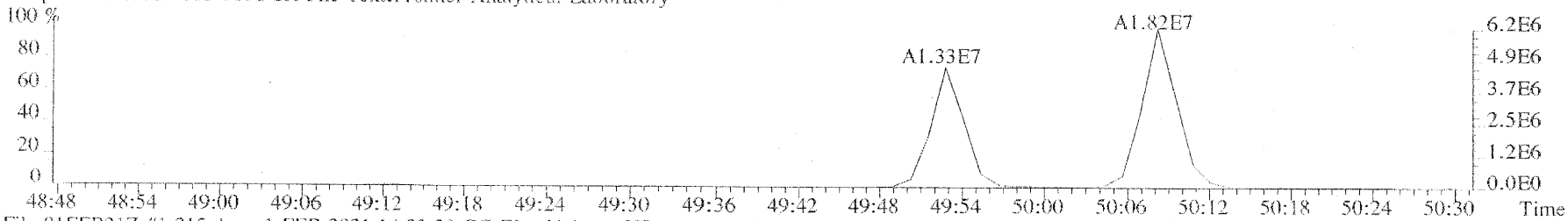
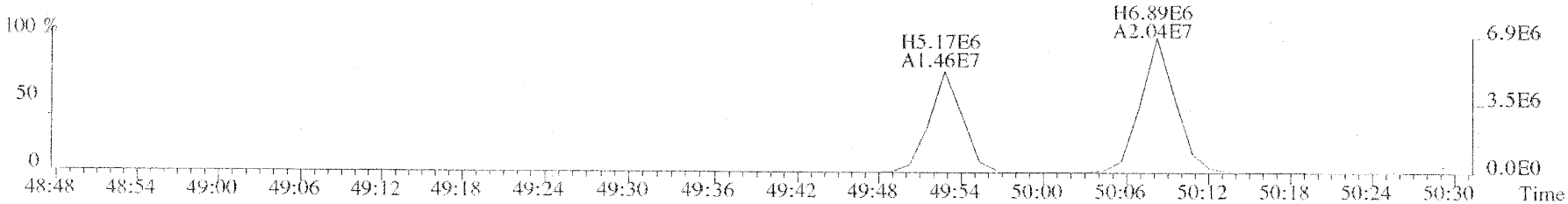
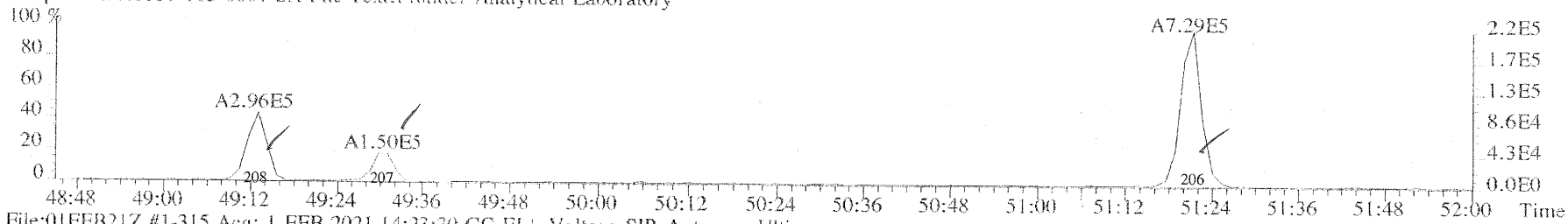
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



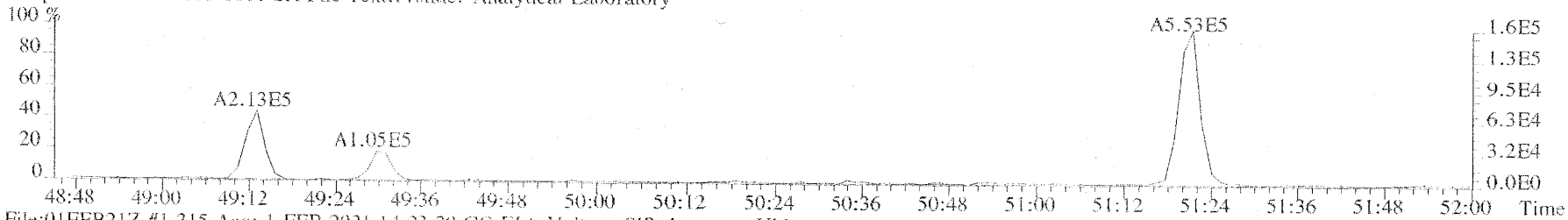
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



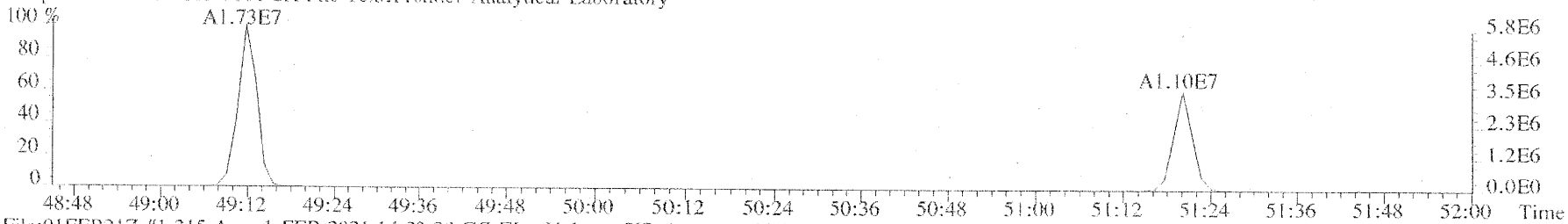
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



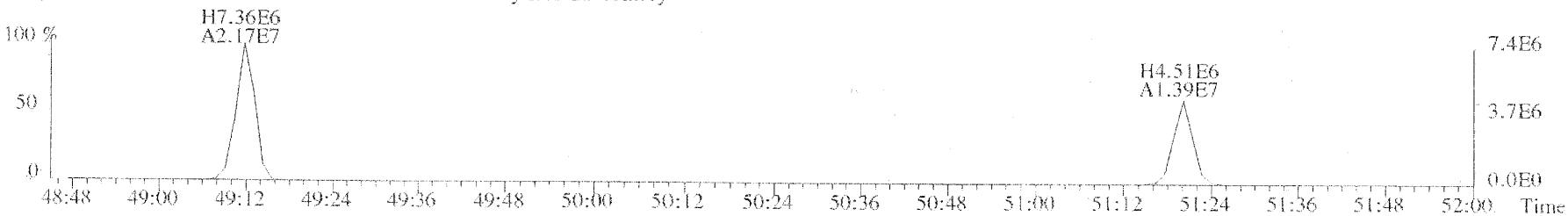
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



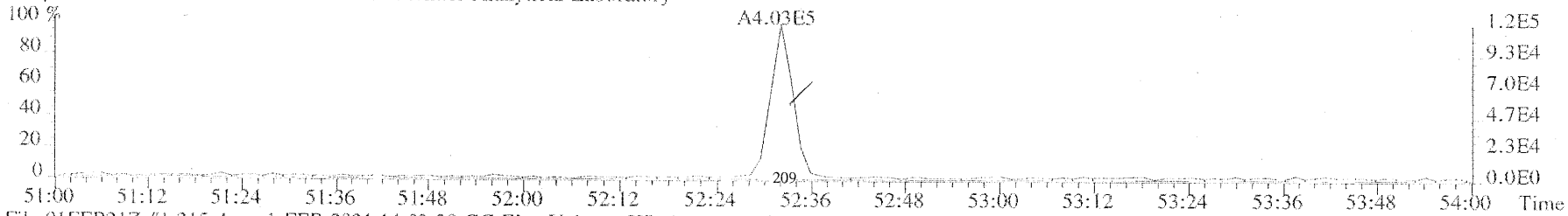
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



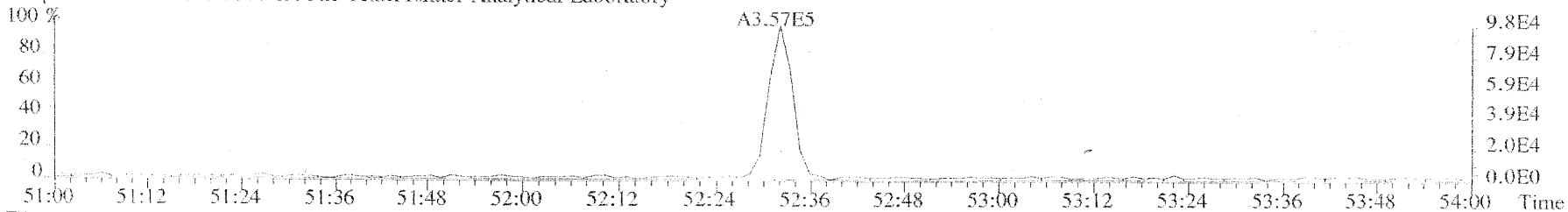
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



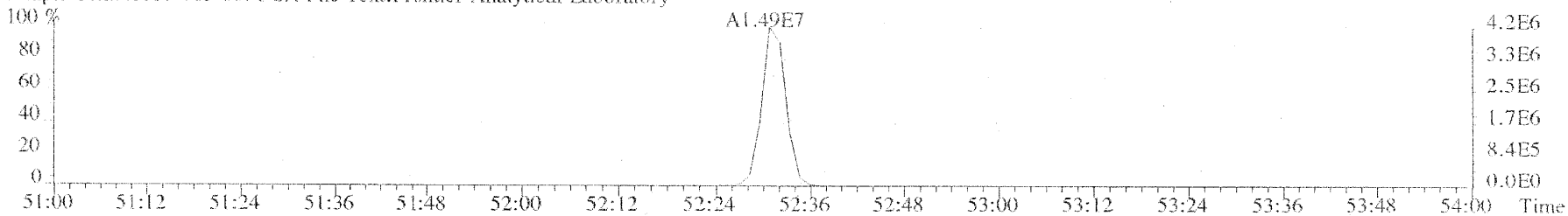
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



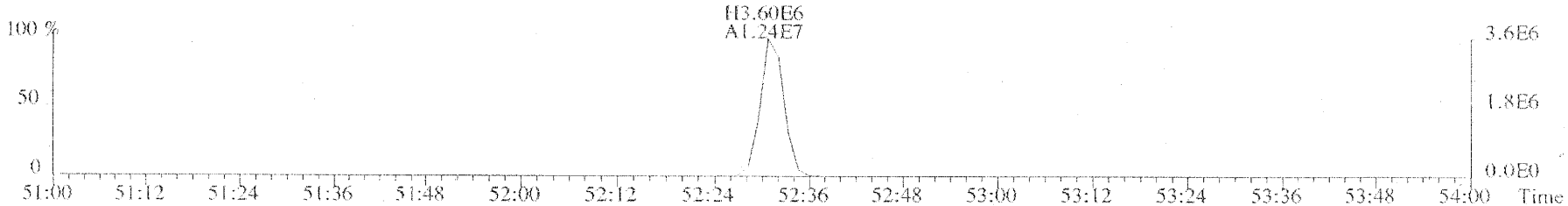
File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-315 Acq: 1-FEB-2021 14:23:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-005-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13559-006-0001-SA Filename: 03FEB21Z Sam:3 Acquired: 3-FEB-21 10:39:27 ICal: DAILY209FAL4-2-3-21
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-CORE ConCal: ST02032121 EndCal: ST02032122
Results: 13559-6 GC Column: DB1MS Amount: 10.00

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	
PCB-1	7.95e+05	3.36 y	14:31	1.26	8.43		-	-	*		
13C-PCB-1	7.46e+07	3.10 y	14:30	0.90	867					86.7	
PCB-2	2.00e+05	3.22 y	16:45	1.26	2.14		-	-	*		
PCB-3	6.07e+05	3.03 y	16:58	1.29	6.45		-	-	*		
13C-PCB-3	7.31e+07	3.20 y	16:57	0.85	906					90.6	
PCB-4	2.62e+06	1.50 y	18:12	1.25	37.8		-	-	*		
PCB-10	2.52e+05	1.41 y	18:16	1.49	4.86		-	-	*		
13C-PCB-4	5.58e+07	1.56 y	18:11	0.66	890					89.0	
PCB-9	8.15e+05	1.48 y	19:54	1.45	16.2		-	-	*		
PCB-7	8.64e+05	1.76 y	19:55	1.57	15.9		-	-	*		
PCB-6	4.54e+06	1.43 y	20:31	1.50	86.9		-	-	*		
PCB-8	1.70e+07	1.54 y	20:53	1.48	330		-	-	*		
PCB-5	1.00e+06	1.56 y	20:57	1.53	18.9		-	-	*		
PCB-14	*	* n	NotFnd	1.44	*		840	6200	0.941		
PCB-11	6.52e+05	1.54 y	23:16	1.39	13.5		-	-	*		
PCB-13	1.94e+05	1.49 y	23:47	1.41	3.97		-	-	*		
PCB-12	1.95e+05	1.67 y	23:48	1.43	3.91		-	-	*		
PCB-15	1.51e+06	1.60 y	24:01	1.29	85.6		-	-	*		
13C-PCB-15	1.37e+07	1.61 y	24:01	1.02	142					14.2	
PCB-19	1.08e+06	1.04 y	22:06	1.27	23.1		-	-	*		
PCB-30	*	* n	NotFnd	1.94	*		2960	884	0.653		
PCB-18	3.85e+06	1.04 y	23:56	1.32	79.6		-	-	*		
PCB-17	3.16e+06	1.05 y	24:07	1.43	60.5		-	-	*		
PCB-27	8.15e+05	1.00 y	24:22	1.91	11.7		-	-	*		
PCB-24	8.17e+05	1.17 y	24:23	1.90	11.8		-	-	*		
PCB-16	4.94e+06	0.94 y	24:51	1.60	84.3		-	-	*		
PCB-32	5.31e+06	1.19 y	24:52	1.60	90.7		-	-	*		
13C-PCB-19	3.65e+07	1.08 y	22:05	0.44	878					87.8	
13C-PCB-9	9.51e+07	1.61 y	19:52	-	6.30						
PCB-34	3.52e+05	1.19 y	25:36	1.17	4.08		-	-	*		
PCB-23	*	* n	NotFnd	1.43	*		1650	791	0.508		
PCB-29	3.64e+05	1.14 y	25:55	1.39	3.56		-	-	*		
PCB-26	8.10e+06	1.01 y	26:08	1.36	80.5		-	-	*		
PCB-25	4.81e+06	1.02 y	26:17	1.35	48.3		-	-	*		
PCB-31	3.41e+07	1.03 y	26:37	1.37	336		-	-	*		
PCB-28	4.88e+07	1.05 y	26:43	1.60	414		-	-	*		
PCB-20	2.47e+07	1.02 y	27:21	1.33	251		-	-	*		Co-elute PCB 21/33
PCB-21	2.47e+07	1.02 y	27:21	1.33	251		-	-	*		Co-elute PCB 20/33
PCB-33	2.47e+07	1.02 y	27:21	1.33	251		-	-	*		Co-elute PCB 20/21
PCB-22	9.44e+06	1.04 y	27:44	1.44	89.0		-	-	*		
PCB-36	*	* n	NotFnd	1.35	*		1650	791	0.539		
PCB-39	*	* n	NotFnd	1.37	*		1650	791	0.531		
PCB-38	2.21e+05	0.95 y	29:30	1.37	2.18		-	-	*		
PCB-35	*	* n	NotFnd	1.28	*		1650	791	0.569		
PCB-37	1.25e+07	1.03 y	30:33	1.36	125		-	-	*		
13C-PCB-37	7.38e+07	1.09 y	30:31	1.72	1070					107	

PCB-54	7.47e+04	0.82	y	25:39	1.27	1.49	J	-	-	*	
PCB-50	1.03e+05	0.74	y	26:45	1.09	2.39		-	-	*	
PCB-53	3.11e+06	0.80	y	27:24	1.09	73.0		-	-	*	
PCB-51	7.14e+05	0.77	y	27:41	1.11	16.5		-	-	*	
PCB-45	2.56e+06	0.80	y	28:07	0.95	68.6		-	-	*	
PCB-46	9.88e+05	0.80	y	28:33	0.91	27.5		-	-	*	
PCB-52	3.52e+07	0.80	y	29:00	1.09	820		-	-	*	Co-elute PCB 69
PCB-69	3.52e+07	0.80	y	29:00	1.09	820		-	-	*	Co-elute PCB 52
PCB-73	2.90e+05	0.84	y	29:07	1.52	4.86		-	-	*	
PCB-43	2.09e+07	0.80	y	29:18	1.03	515		-	-	*	Co-elute PCB 49
PCB-49	2.09e+07	0.80	y	29:18	1.03	515		-	-	*	Co-elute PCB 43
PCB-47	8.69e+06	0.77	y	29:31	1.05	211		-	-	*	
PCB-48	4.25e+06	0.81	y	29:38	1.33	81.6		-	-	*	Co-elute PCB 75
PCB-75	4.25e+06	0.81	y	29:38	1.33	81.6		-	-	*	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.42	*		1420	2230	0.612	
PCB-62	*	*	n	NotFnd	1.33	*		1420	2230	0.654	
PCB-44	1.83e+07	0.80	y	30:18	0.92	509		-	-	*	
PCB-42	7.89e+06	0.82	y	30:33	1.17	172		-	-	*	Co-elute PCB 59
PCB-59	7.89e+06	0.82	y	30:33	1.17	172		-	-	*	Co-elute PCB 42
PCB-72	1.89e+07	0.80	y	31:10	1.30	370		-	-	*	Co-elute PCB 41/71/64
PCB-41	1.89e+07	0.80	y	31:10	1.30	370		-	-	*	Co-elute PCB 72/71/64
PCB-71	1.89e+07	0.80	y	31:10	1.30	370		-	-	*	Co-elute PCB 72/41/64
PCB-64	1.89e+07	0.80	y	31:10	1.30	370		-	-	*	Co-elute PCB 72/41/71
PCB-68	1.66e+05	0.80	y	31:28	1.47	2.88		-	-	*	
PCB-40	2.20e+06	0.83	y	31:37	0.84	66.6		-	-	*	
PCB-57	2.37e+05	0.80	y	31:57	1.41	4.30		-	-	*	
PCB-67	1.39e+06	0.78	y	32:21	1.34	26.4		-	-	*	
PCB-58	3.58e+05	0.80	y	32:33	1.47	6.21		-	-	*	
PCB-63	1.04e+06	0.75	y	32:42	1.43	18.5		-	-	*	
PCB-74	5.71e+06	0.80	y	32:59	1.37	106		-	-	*	
PCB-61	9.49e+06	0.78	y	33:05	1.34	180		-	-	*	Co-elute PCB 70
PCB-70	9.49e+06	0.78	y	33:05	1.34	180		-	-	*	Co-elute PCB 61
PCB-76	6.26e+06	0.80	y	33:11	1.46	110		-	-	*	Co-elute PCB 66
PCB-66	6.26e+06	0.80	y	33:11	1.46	110		-	-	*	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.62	*		1420	2230	0.534	
PCB-55	6.51e+05	0.83	y	33:34	1.49	11.1		-	-	*	
13C-PCB-54	3.92e+07	0.81	y	25:38	1.12	876					87.6
PCB-104	*	*	n	NotFnd	1.19	*		644	448	0.416	
PCB-96	2.49e+05	1.46	y	31:25	1.17	6.17		-	-	*	
PCB-103	5.11e+05	1.61	y	31:56	0.96	15.3		-	-	*	
PCB-100	1.99e+05	1.44	y	32:18	0.98	5.88		-	-	*	
PCB-94	1.06e+05	1.41	y	32:51	0.81	3.81		-	-	*	
PCB-98	*	*	n	NotFnd	0.82	*		644	448	0.601	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.82	*		644	448	0.601	Co-elute PCB 98
PCB-95	5.15e+06	1.55	y	33:11	0.89	168		-	-	*	
PCB-93	*	*	n	NotFnd	0.85	*		644	448	0.581	
PCB-88	4.29e+06	1.56	y	33:32	0.91	136		-	-	*	Co-elute PCB 91
PCB-91	4.29e+06	1.56	y	33:32	0.91	136		-	-	*	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.10	*		644	448	0.448	
13C-PCB-104	3.45e+07	1.59	y	30:07	0.92	939					93.9
13C-PCB-28	7.87e+07	1.07	y	26:42	2.03	973					97.3
13C-PCB-52	3.99e+07	0.81	y	28:59	-	5.54					

PCB-56	2.19e+07	0.77	y	34:02	1.25	274		-	-	*	Co-elute PCB 60
PCB-60	2.19e+07	0.77	y	34:02	1.25	274		-	-	*	Co-elute PCB 56
PCB-79	6.98e+05	0.78	y	35:01	1.31	8.34		-	-	*	
PCB-78	*	*	n	NotFnd	1.26	*		3030	3680	0.930	
PCB-81	1.16e+06	0.69	y	36:13	1.36	13.7		-	-	*	
13C-PCB-81	6.25e+07	0.80	y	36:12	1.72	1270					127
PCB-77	4.02e+06	0.79	y	36:46	1.16	53.2		-	-	*	
13C-PCB-77	6.53e+07	0.81	y	36:45	1.80	1280					128
PCB-155	*	*	n	NotFnd	1.10	*		536	612	0.342	
PCB-150	1.15e+05	1.20	y	35:26	1.06	2.90		-	-	*	
PCB-152	5.49e+04	1.37	y	35:55	1.03	1.42	J	-	-	*	
PCB-145	*	*	n	NotFnd	1.04	*		536	612	0.362	
PCB-136	6.31e+06	1.22	y	36:37	1.05	161		-	-	*	
PCB-148	*	*	n	NotFnd	0.78	*		536	612	0.481	
PCB-154	7.23e+05	1.26	y	37:11	0.93	20.9		-	-	*	
13C-PCB-155	3.74e+07	1.25	y	34:17	1.21	1090					109
13C-PCB-111	4.04e+07	1.58	y	36:20	1.26	1130					113
13C-PCB-101	2.85e+07	1.60	y	34:42	-	4.69					
PCB-84	1.61e+07	1.58	y	34:23	0.68	432		-	-	*	Co-elute PCB 92
PCB-92	1.61e+07	1.58	y	34:23	0.68	432		-	-	*	Co-elute PCB 84
PCB-89	3.74e+05	1.72	y	34:33	0.70	9.76		-	-	*	
PCB-90	3.70e+07	1.61	y	34:43	0.78	862		-	-	*	Co-elute PCB 101
PCB-101	3.70e+07	1.61	y	34:43	0.78	862		-	-	*	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.86	*		1350	1060	0.568	
PCB-99	2.04e+07	1.56	y	35:02	0.91	412		-	-	*	
PCB-119	1.54e+06	1.59	y	35:28	1.03	27.3		-	-	*	
PCB-83	2.13e+06	1.56	y	35:37	0.79	49.2		-	-	*	Co-elute PCB 112
PCB-112	2.13e+06	1.56	y	35:37	0.79	49.2		-	-	*	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*		1350	1060	0.500	
PCB-97	1.26e+07	1.56	y	35:57	0.68	336		-	-	*	
PCB-86	*	*	n	NotFnd	0.69	*		1350	1060	0.712	
PCB-125	1.82e+07	1.55	y	36:13	0.89	372		-	-	*	Co-elute PCB 87/117
PCB-87	1.82e+07	1.55	y	36:13	0.89	372		-	-	*	Co-elute PCB 125/117
PCB-117	1.82e+07	1.55	y	36:13	0.89	372		-	-	*	Co-elute PCB 125/87
PCB-111	1.04e+06	1.63	y	36:22	0.99	19.1		-	-	*	Co-elute PCB 115
PCB-115	1.04e+06	1.63	y	36:22	0.99	19.1		-	-	*	Co-elute PCB 111
PCB-85	6.81e+06	1.58	y	36:27	0.87	144		-	-	*	Co-elute PCB 116
PCB-116	6.81e+06	1.58	y	36:27	0.87	144		-	-	*	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.06	*		1350	1060	0.459	
PCB-110	5.83e+07	1.58	y	36:50	1.03	1040		-	-	*	
PCB-82	3.79e+06	1.53	y	37:25	0.62	112		-	-	*	
PCB-124	2.53e+06	1.55	y	38:06	1.25	37.1		-	-	*	
PCB-108	4.86e+06	1.55	y	38:14	1.23	72.1		-	-	*	Co-elute PCB 107
PCB-107	4.86e+06	1.55	y	38:14	1.23	72.1		-	-	*	Co-elute PCB 108
PCB-123	1.00e+06	1.53	y	38:24	1.24	15.8		-	-	*	
13C-PCB-123	5.12e+07	1.58	y	38:23	1.42	924					92.4
PCB-118	5.87e+07	1.56	y	38:34	1.20	882		-	-	*	Co-elute PCB 106
PCB-106	5.87e+07	1.56	y	38:34	1.20	882		-	-	*	Co-elute PCB 118
13C-PCB-118	5.56e+07	1.59	y	38:32	1.61	882					88.2
PCB-114	1.42e+06	1.52	y	39:10	1.27	20.1		-	-	*	
13C-PCB-114	5.58e+07	1.62	y	39:09	1.52	941					94.1
PCB-122	7.89e+05	1.63	y	39:17	1.25	11.6		-	-	*	
PCB-105	2.40e+07	1.55	y	40:00	1.28	334		-	-	*	
13C-PCB-105	5.62e+07	1.62	y	39:58	1.50	958					95.8

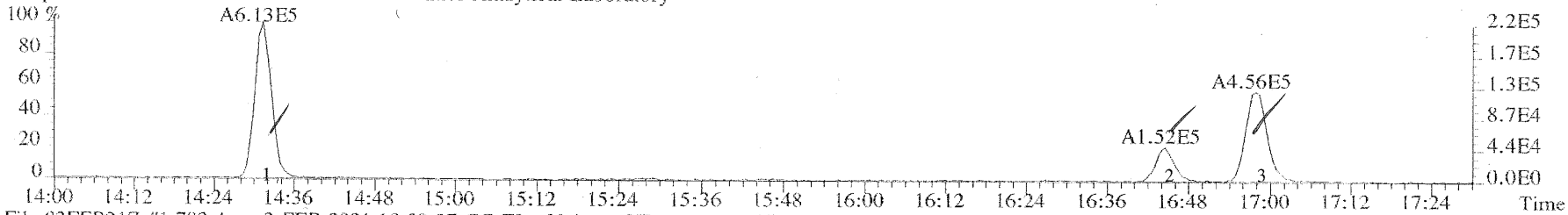
PCB-127	*	*	n	NotFnd	1.20	*	2510	2720	0.883		
PCB-126	2.63e+05	1.45	y	42:08	1.24	4.13	-	-	*		
13C-PCB-126	5.15e+07	1.60	y	42:08	1.43	927				92.7	
PCB-151	9.94e+06	1.29	y	37:50	0.89	337	-	-	*		
PCB-135	5.91e+06	1.25	y	38:01	0.90	198	-	-	*		
PCB-144	2.37e+06	1.30	y	38:08	1.13	63.1	-	-	*		
PCB-147	1.05e+06	1.27	y	38:16	1.03	30.4	-	-	*		
PCB-139	3.91e+07	1.29	y	38:29	1.08	1090	-	-	*	Co-elute PCB 149	
PCB-149	3.91e+07	1.29	y	38:29	1.08	1090	-	-	*	Co-elute PCB 139	
PCB-140	3.46e+05	1.16	y	38:41	1.04	10.0	-	-	*		
PCB-143	2.59e+06	1.24	y	39:05	0.87	89.5	-	-	*	Co-elute PCB 134	
PCB-134	2.59e+06	1.24	y	39:05	0.87	89.5	-	-	*	Co-elute PCB 143	
PCB-131	1.57e+06	1.21	y	39:22	0.89	53.4	-	-	*	Co-elute PCB 133	
PCB-133	1.57e+06	1.21	y	39:22	0.89	53.4	-	-	*	Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.88	*	1320	1010	0.861		
PCB-165	8.65e+06	1.27	y	39:43	1.17	222	-	-	*	Co-elute PCB 146	
PCB-146	8.65e+06	1.27	y	39:43	1.17	222	-	-	*	Co-elute PCB 165	
PCB-161	1.52e+07	1.26	y	40:00	1.12	407	-	-	*	Co-elute PCB 132	
PCB-132	1.52e+07	1.26	y	40:00	1.12	407	-	-	*	Co-elute PCB 161	
PCB-153	5.24e+07	1.27	y	40:06	1.16	1360	-	-	*		
PCB-168	1.43e+05	1.11	y	40:18	1.30	3.31	-	-	*		
PCB-141	8.94e+06	1.25	y	40:49	1.02	264	-	-	*		
PCB-137	2.61e+06	1.26	y	41:10	1.04	75.7	-	-	*		
PCB-130	2.81e+06	1.28	y	41:17	0.86	97.9	-	-	*		
PCB-138	5.89e+07	1.25	y	41:38	1.18	1500	-	-	*	Co-elute PCB 163/164	
PCB-163	5.89e+07	1.25	y	41:38	1.18	1500	-	-	*	Co-elute PCB 138/164	
PCB-164	5.89e+07	1.25	y	41:38	1.18	1500	-	-	*	Co-elute PCB 138/163	
PCB-158	7.09e+06	1.26	y	41:53	1.35	158	-	-	*	Co-elute PCB 160	
PCB-160	7.09e+06	1.26	y	41:53	1.35	158	-	-	*	Co-elute PCB 158	
PCB-129	1.88e+06	1.26	y	42:06	0.86	65.5	-	-	*		
PCB-166	2.09e+05	1.24	y	42:33	1.29	4.86	-	-	*		
PCB-159	5.68e+05	1.20	y	42:53	1.38	12.4	-	-	*		
PCB-128	8.37e+06	1.26	y	43:06	1.10	229	-	-	*	Co-elute PCB 162	
PCB-162	8.37e+06	1.26	y	43:06	1.10	229	-	-	*	Co-elute PCB 128	
PCB-167	3.41e+05	1.37	y	43:27	1.26	35.0	-	-	*		
13C-PCB-167	7.76e+06	1.23	y	43:25	1.20	165				16.5	
PCB-156	6.46e+06	1.25	y	44:43	1.29	121	-	-	*		
13C-PCB-156	4.16e+07	1.30	y	44:41	1.16	918				91.8	
PCB-157	1.39e+06	1.30	y	44:58	1.26	25.9	-	-	*		
13C-PCB-157	4.24e+07	1.31	y	44:56	1.19	914				91.4	
PCB-169	*	*	n	NotFnd	1.17	*	1320	1010	0.448		
13C-PCB-169	4.10e+07	1.30	y	46:48	1.14	922				92.2	

FAL ID: 13559-006-0001-SA Filename: 03FEB21Z Sam:3 Acquired: 3-FEB-21 10:39:27 ICal: DAILY209FAL4-2-3-21
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-CORE ConCal: ST02032121 EndCal: ST02032122
Results: 13559-6 GC Column: DB1MS Amount: 10.00

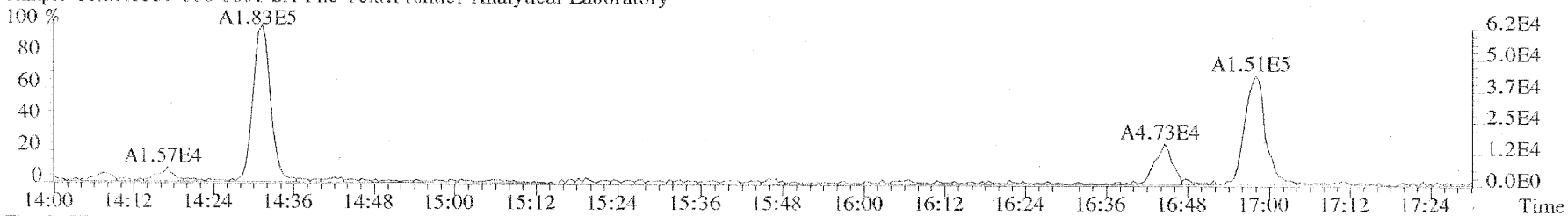
PCB-188	*	*	n	NotFnd	1.15	*	1640	768	0.598	
13C-PCB-188	3.63e+07	1.05	y	39:43	1.06	880				88.0
PCB-184	*	*	n	NotFnd	1.25	*	1640	768	0.532	
PCB-179	5.80e+06	1.02	y	40:54	1.24	134	-	-	*	
PCB-176	1.95e+06	1.08	y	41:20	1.21	46.5	-	-	*	
PCB-186	*	*	n	NotFnd	1.25	*	1640	768	0.536	
PCB-178	2.02e+06	1.05	y	42:23	0.88	65.7	-	-	*	
PCB-175	5.09e+05	1.01	y	42:43	0.94	15.5	-	-	*	
PCB-187	1.34e+07	1.04	y	42:53	1.00	388	-	-	*	Co-elute PCB 182
PCB-182	1.34e+07	1.04	y	42:53	1.00	388	-	-	*	Co-elute PCB 187
PCB-183	6.60e+06	1.06	y	43:12	0.99	192	-	-	*	
PCB-185	1.19e+06	1.10	y	43:53	0.92	37.2	-	-	*	
PCB-174	8.88e+06	1.07	y	44:12	0.92	278	-	-	*	
PCB-181	*	*	n	NotFnd	0.91	*	1640	768	0.732	
PCB-177	2.95e+06	1.06	y	44:25	0.85	99.6	-	-	*	
PCB-171	2.80e+06	1.03	y	44:41	0.88	91.2	-	-	*	
PCB-173	2.09e+05	1.07	y	45:06	0.81	7.47	-	-	*	
PCB-172	1.67e+06	1.04	y	45:29	0.85	56.9	-	-	*	
PCB-192	*	*	n	NotFnd	1.13	*	1640	768	0.591	
PCB-180	2.22e+07	1.04	y	45:50	0.88	724	-	-	*	
PCB-193	1.56e+06	1.01	y	46:00	1.21	37.1	-	-	*	
PCB-191	5.68e+05	1.17	y	46:13	1.17	13.9	-	-	*	
PCB-170	8.94e+06	1.04	y	47:08	0.83	310	-	-	*	
PCB-190	2.51e+06	1.05	y	47:16	1.13	64.1	-	-	*	
PCB-189	4.56e+05	1.06	y	48:28	1.13	12.1	-	-	*	
13C-PCB-189	3.32e+07	1.05	y	48:27	0.93	913				91.3
PCB-202	1.22e+06	0.86	y	44:51	1.06	37.2	-	-	*	
PCB-201	9.29e+05	0.86	y	45:19	1.14	26.4	-	-	*	
PCB-204	*	*	n	NotFnd	1.12	*	536	1200	0.579	
PCB-197	2.76e+05	0.92	y	45:42	1.17	7.64	-	-	*	
PCB-200	8.66e+05	0.91	y	46:26	1.11	25.3	-	-	*	
PCB-198	2.67e+05	0.77	y	47:37	0.74	11.6	-	-	*	
PCB-199	4.70e+06	0.90	y	47:42	0.88	173	-	-	*	
PCB-203	5.75e+06	0.87	y	47:59	0.88	211	-	-	*	Co-elute PCB 196
PCB-196	5.75e+06	0.87	y	47:59	0.88	211	-	-	*	Co-elute PCB 203
13C-PCB-202	3.09e+07	0.88	y	44:49	0.92	864				86.4
13C-PCB-178	2.58e+07	1.05	y	42:23	0.79	841				84.1
13C-PCB-138	3.90e+07	1.27	y	41:37	-	6.21				
PCB-195	2.73e+06	0.90	y	49:04	0.99	69.8	-	-	*	
PCB-194	6.73e+06	0.91	y	49:52	1.00	169	-	-	*	
PCB-205	4.93e+05	0.78	y	50:07	1.22	10.2	-	-	*	
13C-PCB-205	3.96e+07	0.91	y	50:07	1.26	980				98.0
PCB-208	6.09e+05	1.39	y	49:11	1.12	16.2	-	-	*	
13C-PCB-208	3.36e+07	0.81	y	49:09	1.19	886				88.6
PCB-207	3.35e+05	1.39	y	49:28	1.30	8.99	-	-	*	
PCB-206	1.80e+06	1.36	y	51:19	1.18	64.9	-	-	*	
13C-PCB-206	2.36e+07	0.81	y	51:18	0.83	885				88.5
PCB-209	7.98e+05	1.18	y	52:30	1.21	25.3	-	-	*	
13C-PCB-209	2.60e+07	1.20	y	52:28	0.95	856				85.6
13C-PCB-194	3.20e+07	0.93	y	49:52	-	5.75				

Analyst: [illegible] Date: 2/4/21

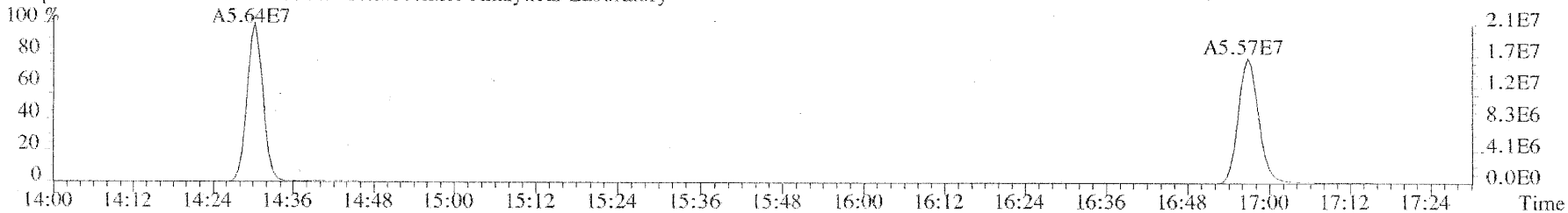
File:03FEB21Z #1-783 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



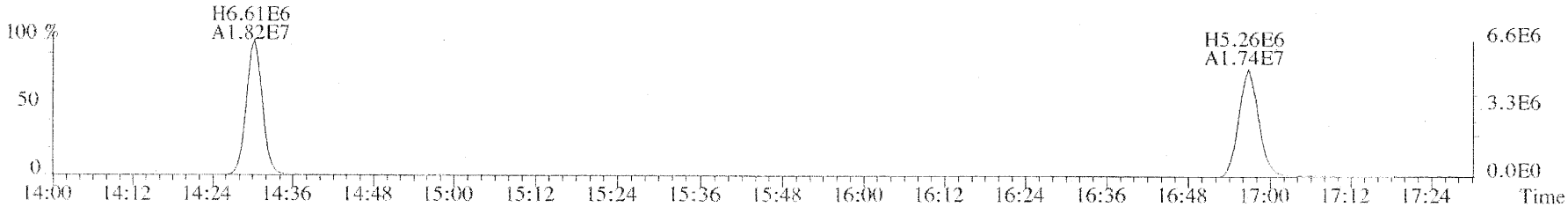
File:03FEB21Z #1-783 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



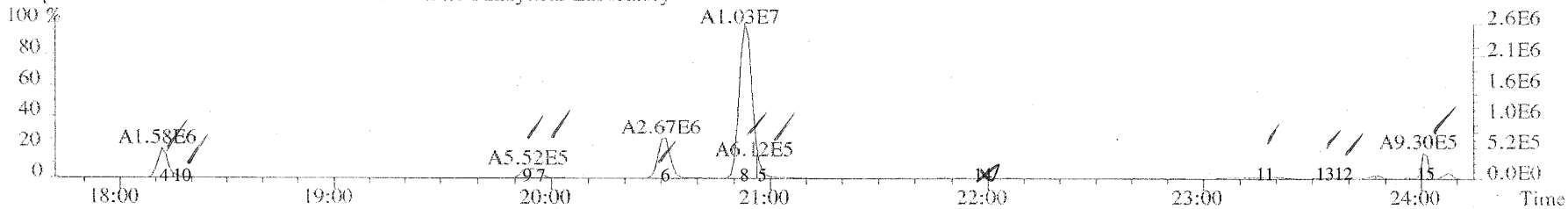
File:03FEB21Z #1-783 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



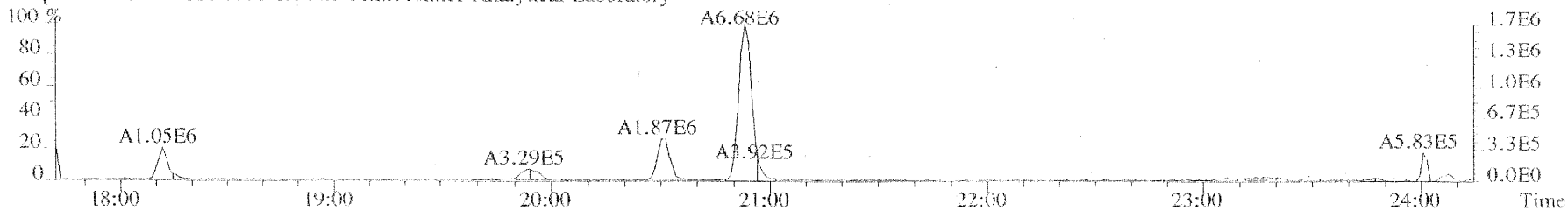
File:03FEB21Z #1-783 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



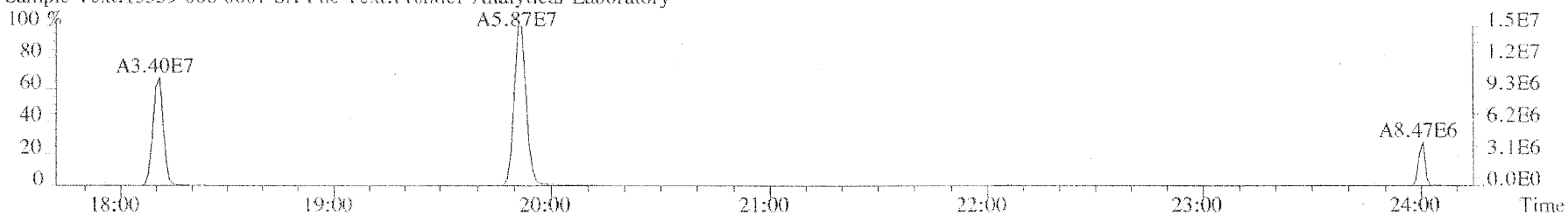
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



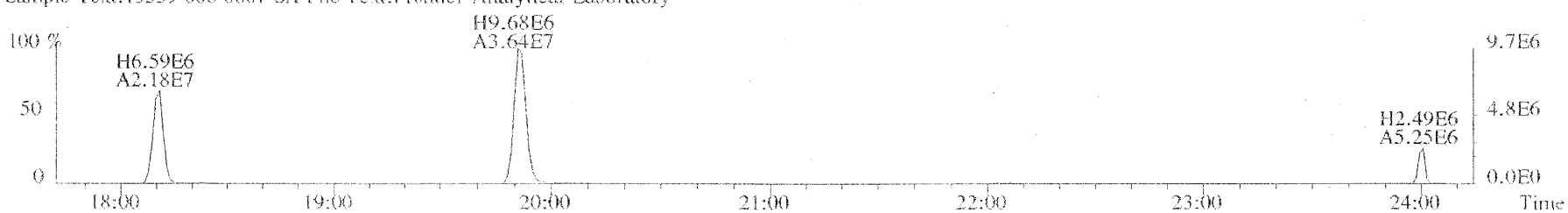
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



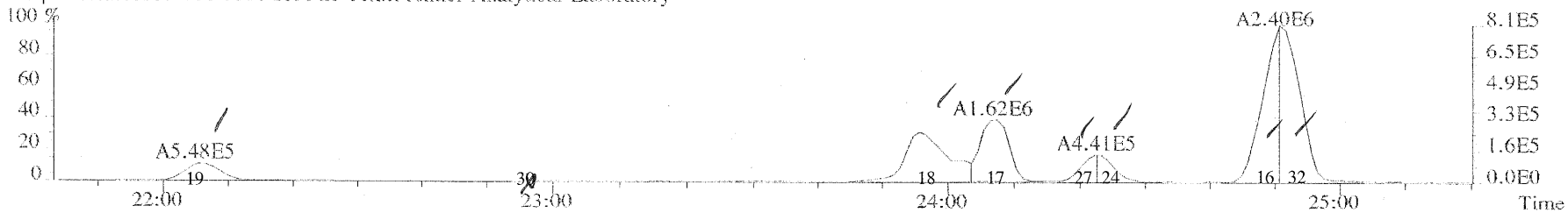
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



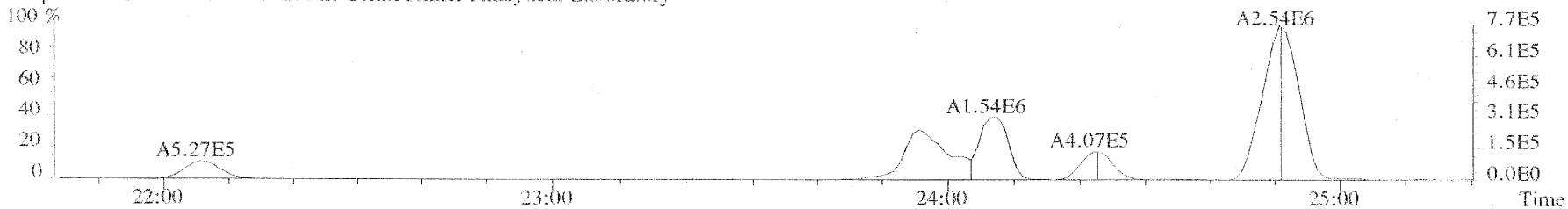
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



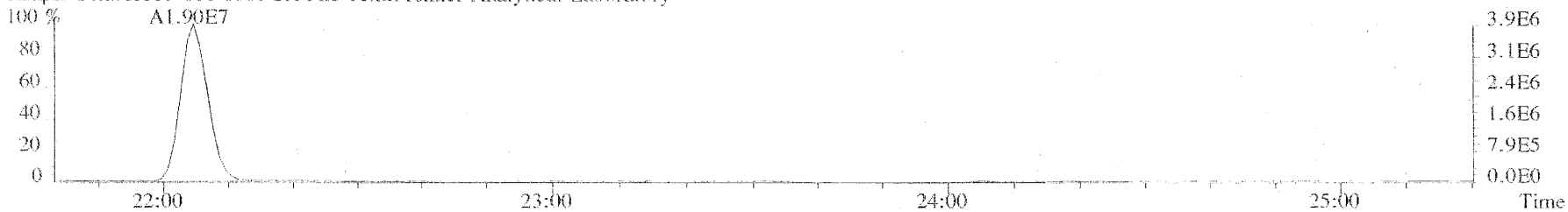
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 SMO(1,5) BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



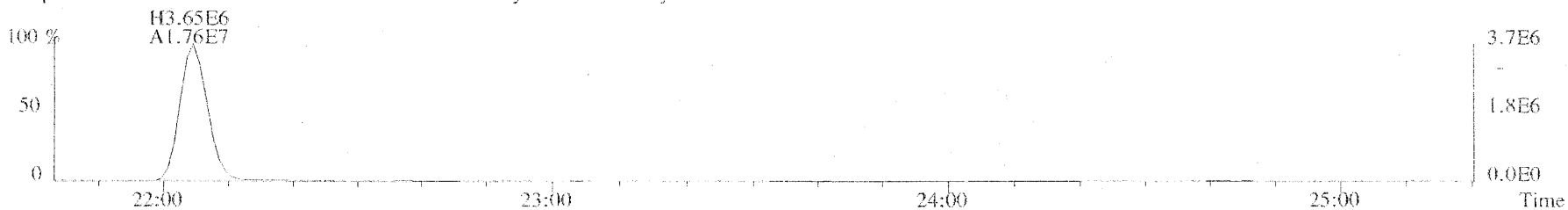
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 SMO(1,5) BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



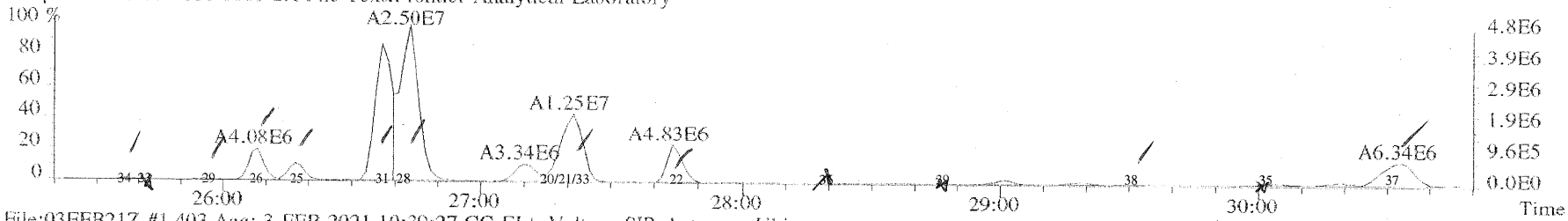
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



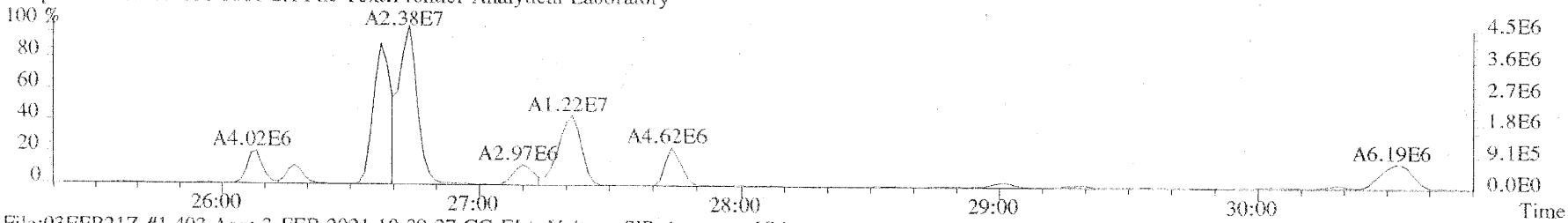
File:03FEB21Z #1-467 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



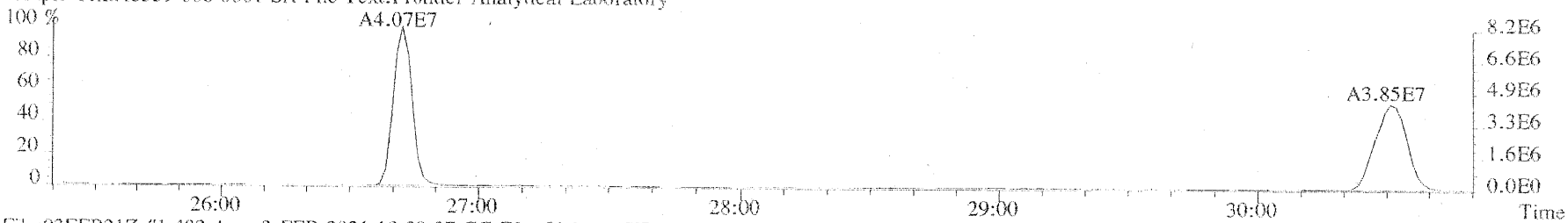
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



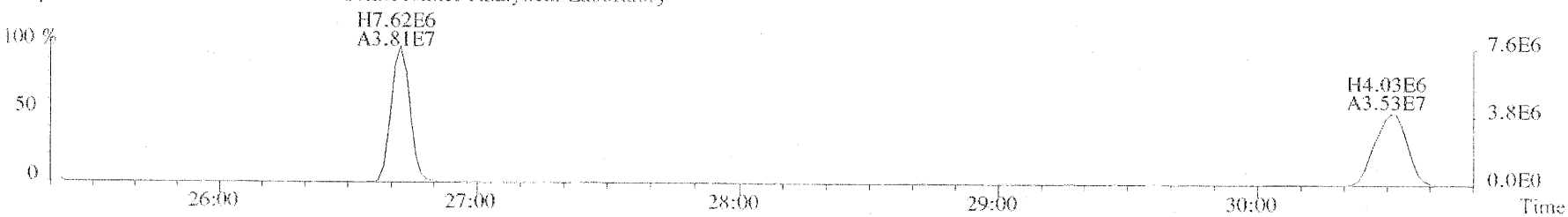
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



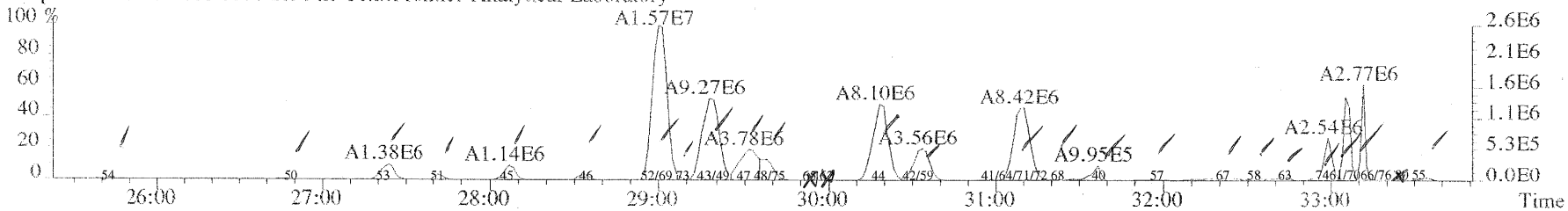
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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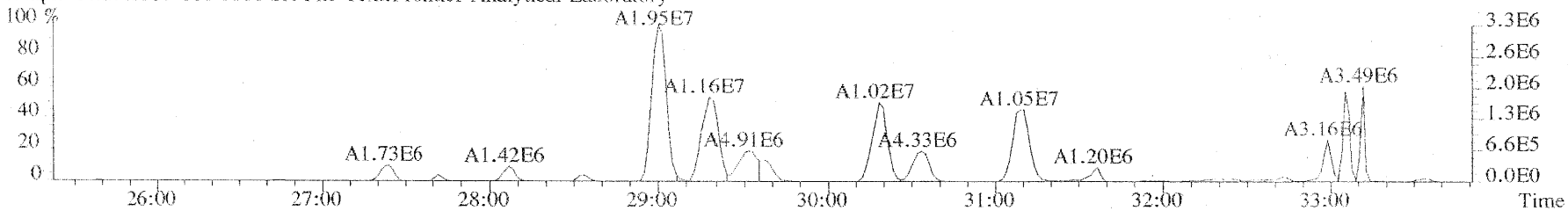
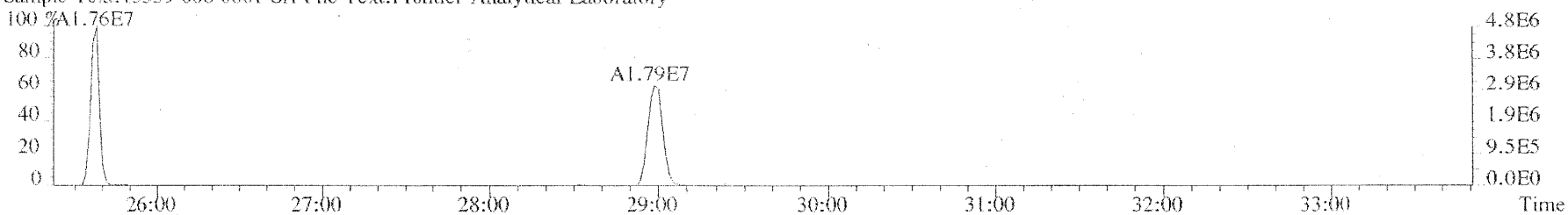
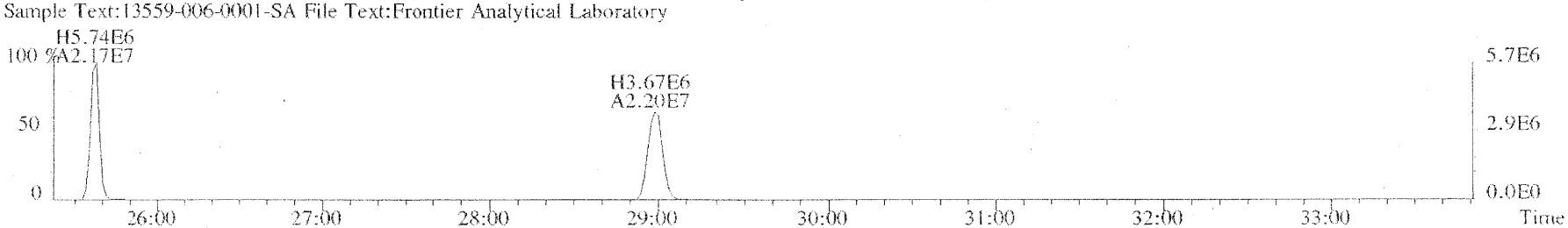
291.9194 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



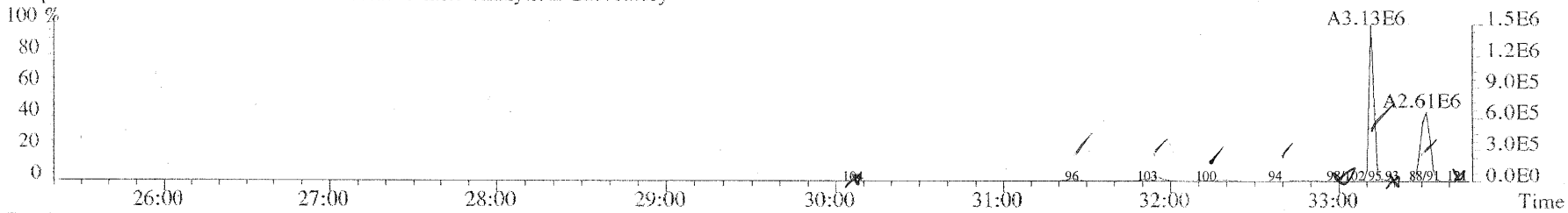
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



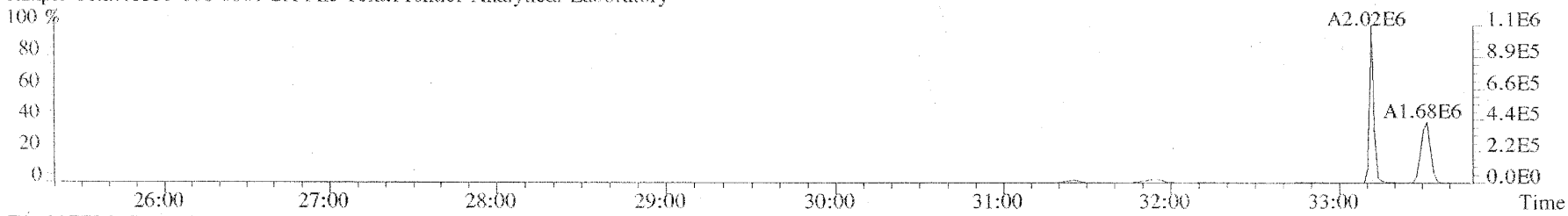
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



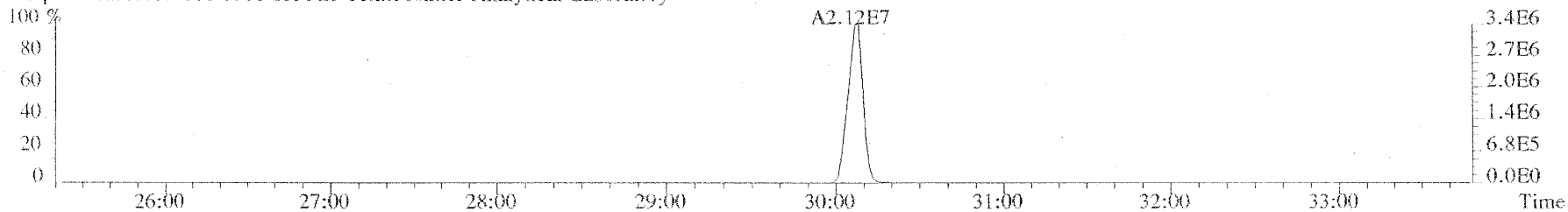
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



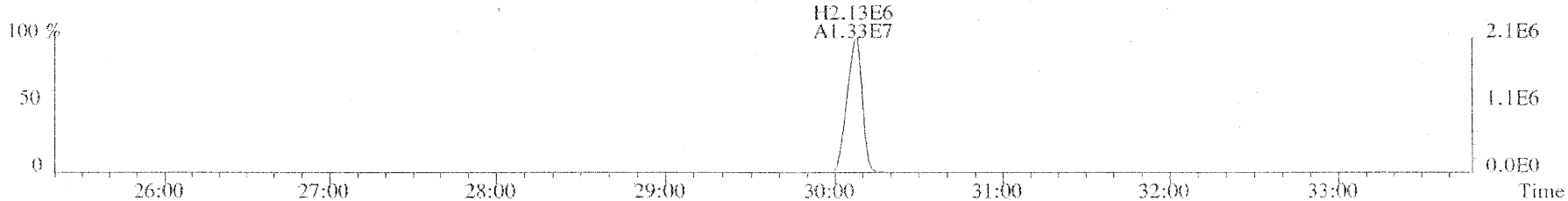
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



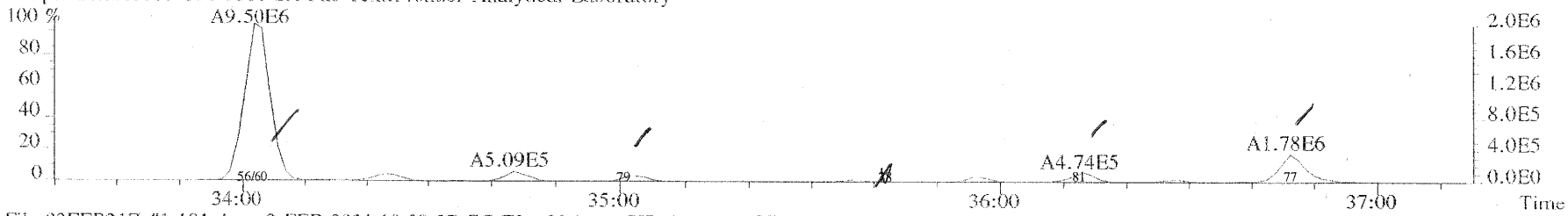
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



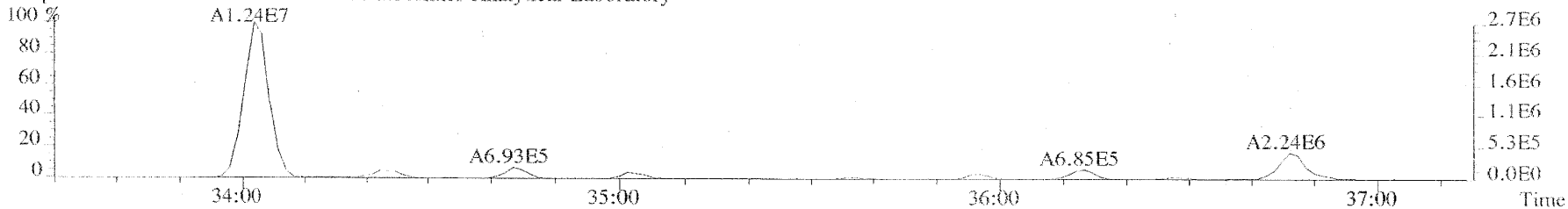
File:03FEB21Z #1-403 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



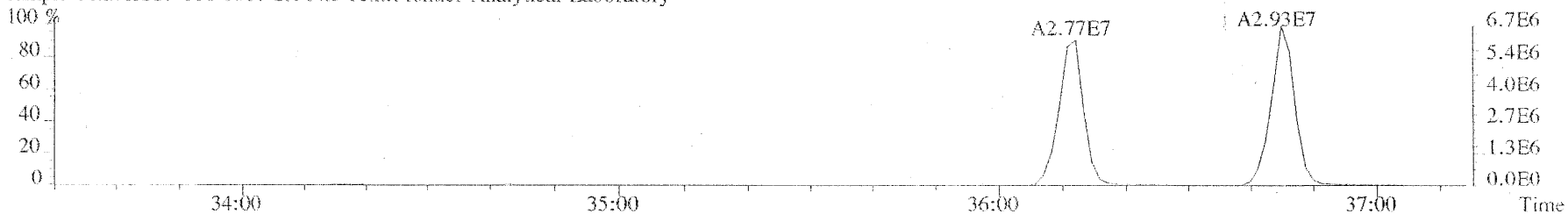
File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



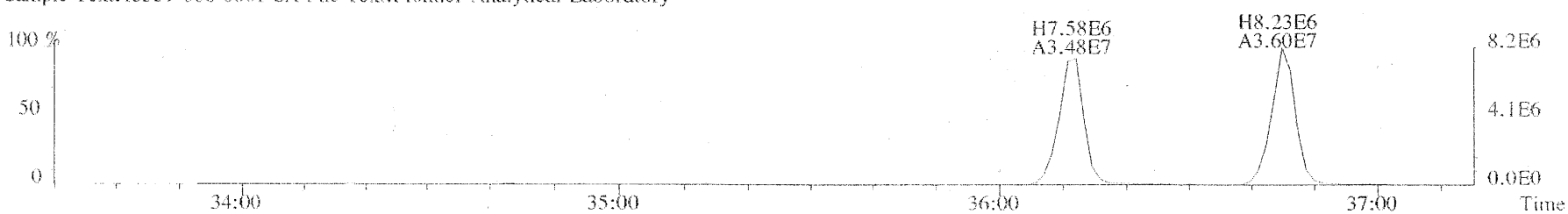
File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



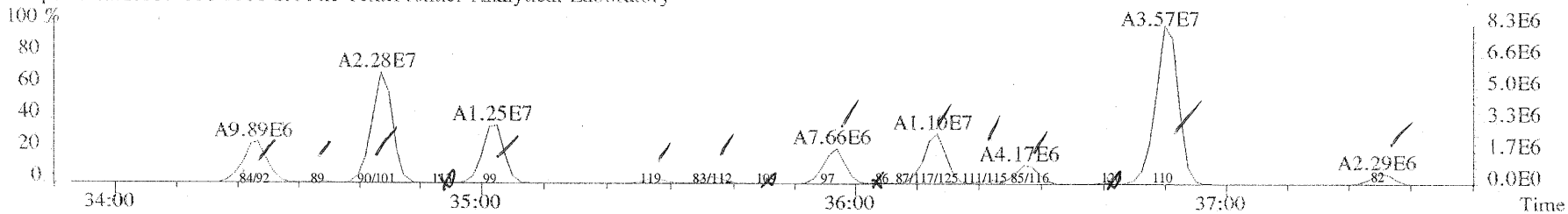
File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



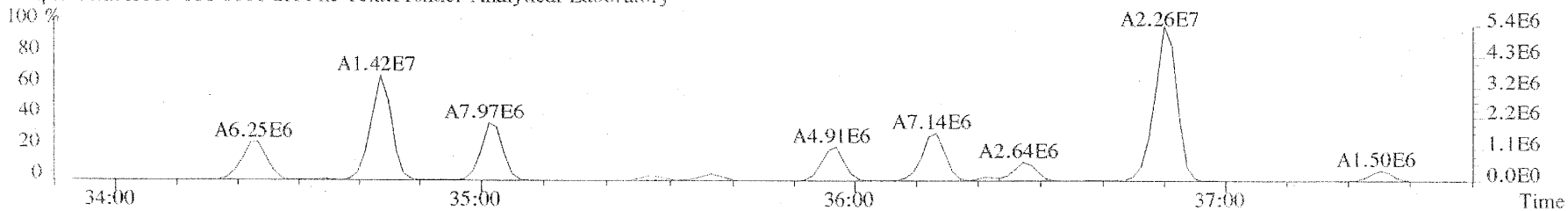
File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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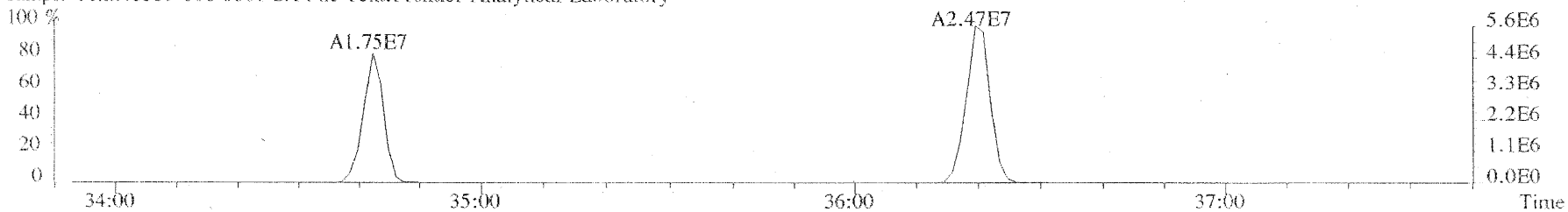
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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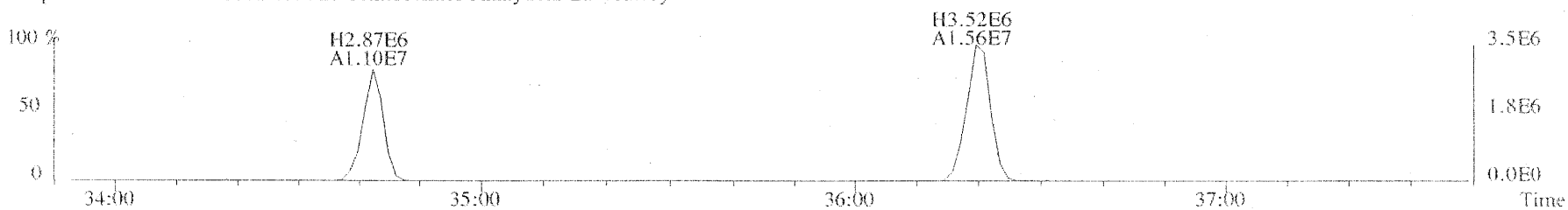
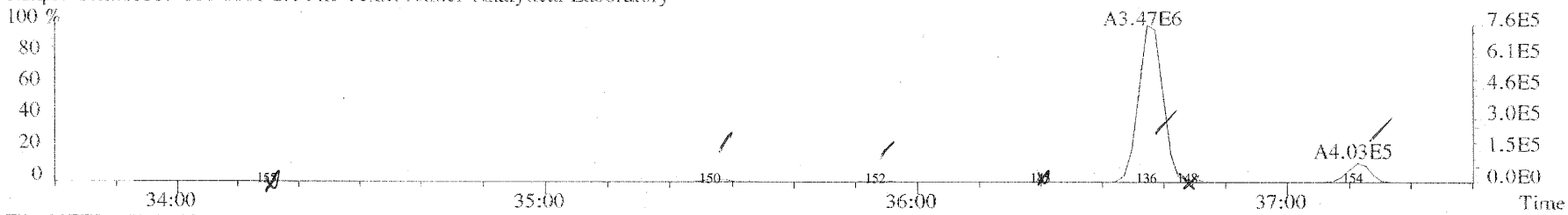
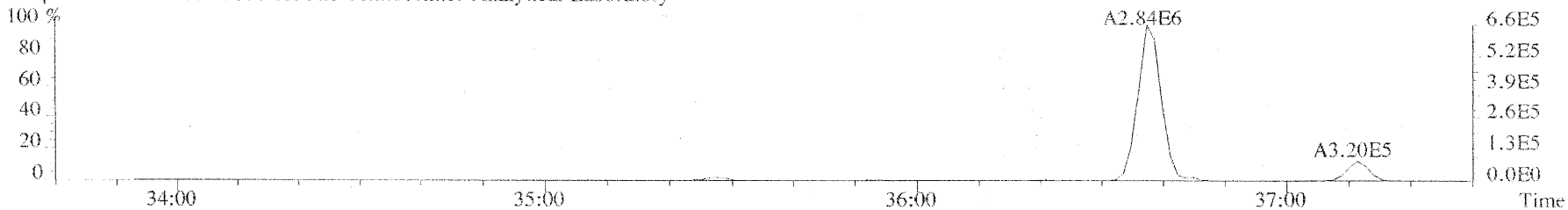
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



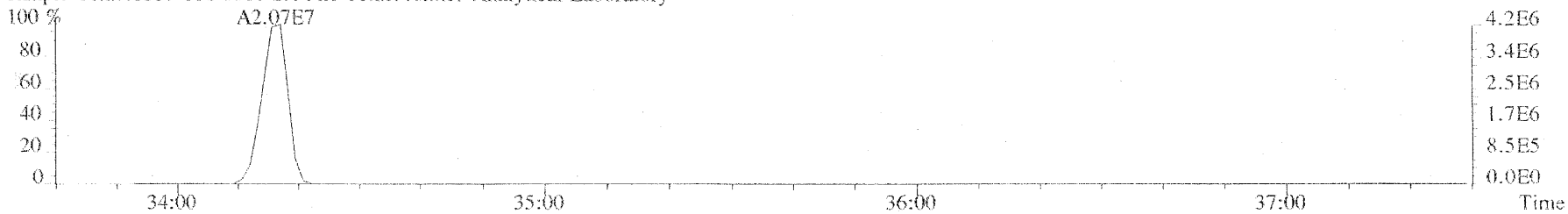
File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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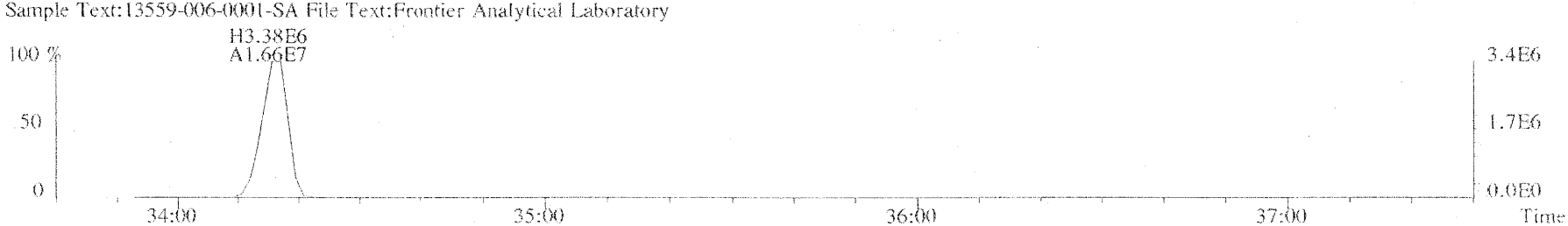
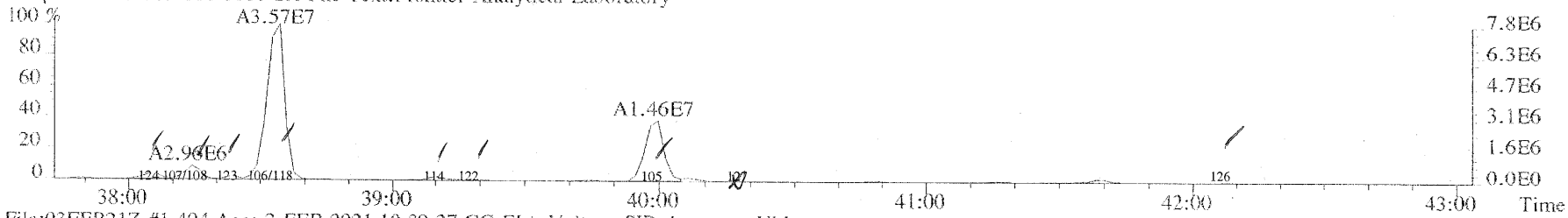
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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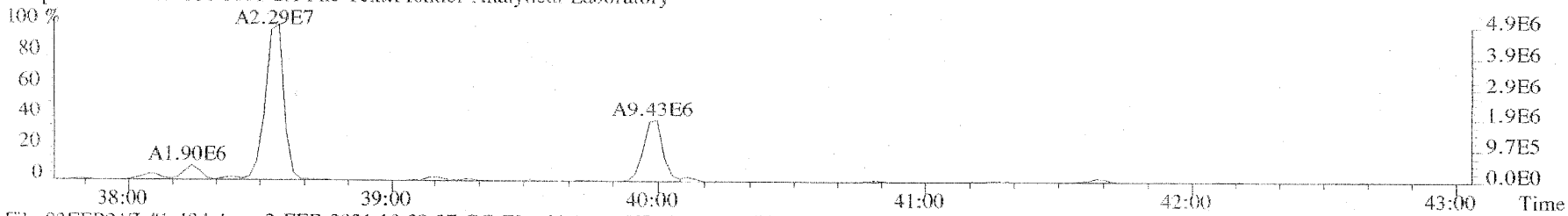
327.8775 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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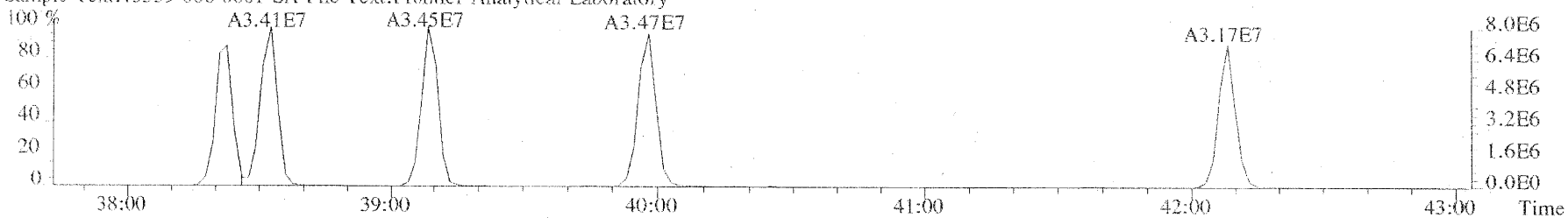
337.9207 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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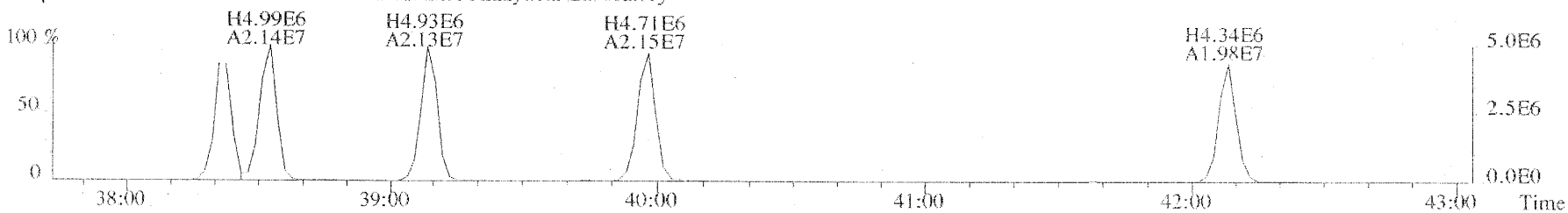
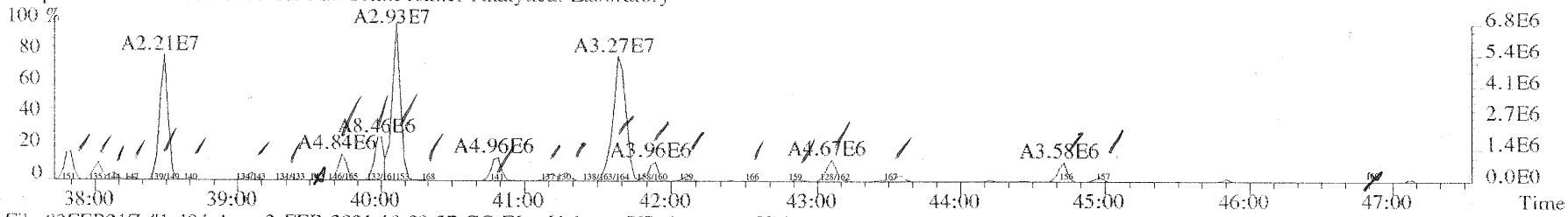
339.9178 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
359.8415 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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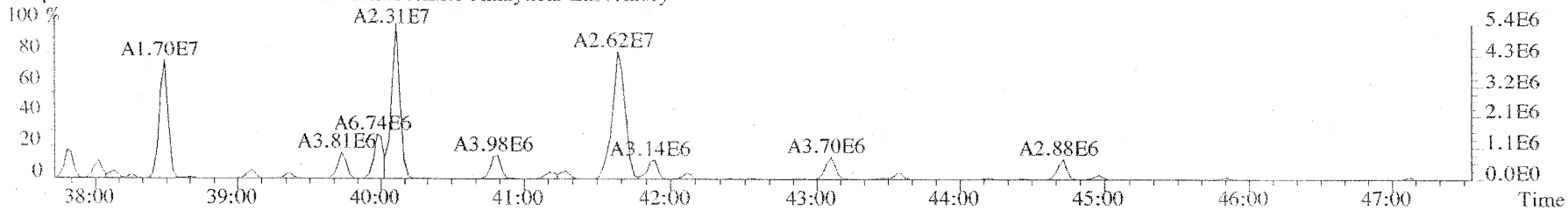
361.8385 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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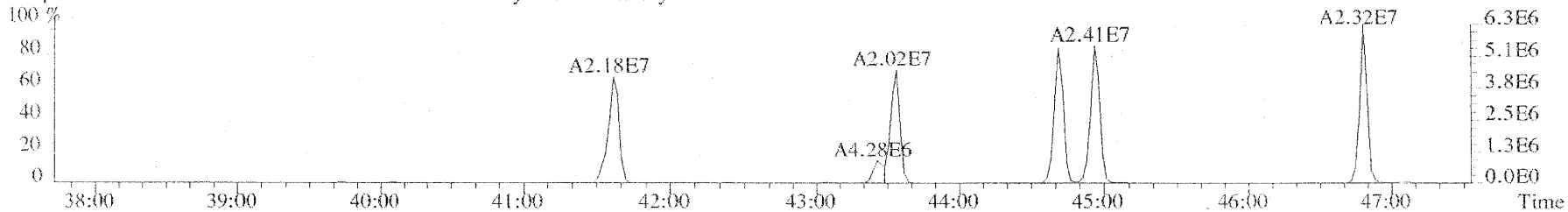
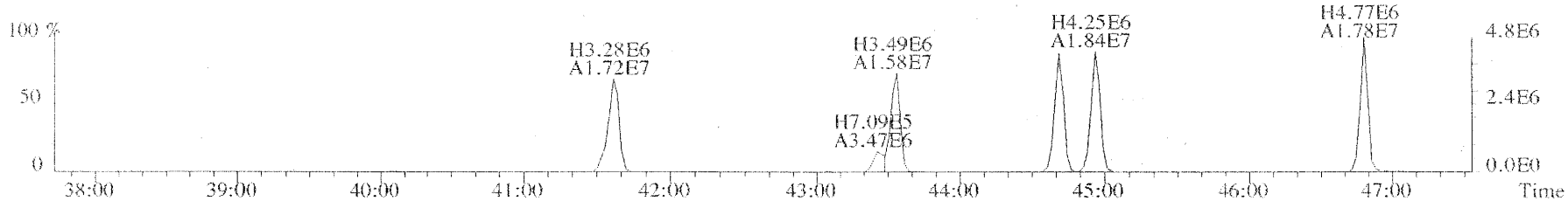
371.8817 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
373.8788 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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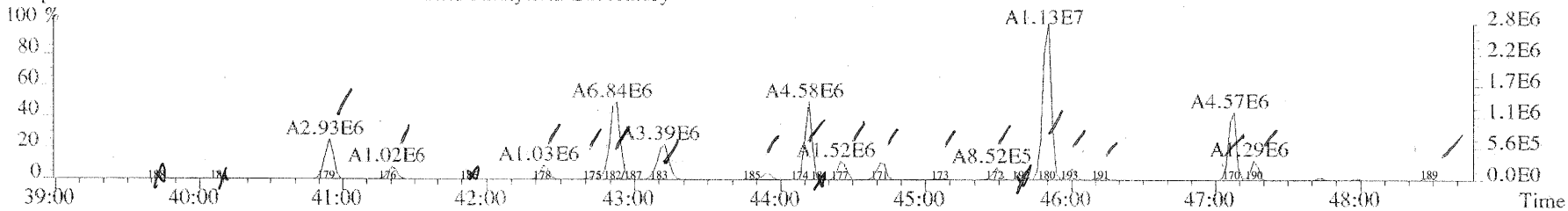
393.8025 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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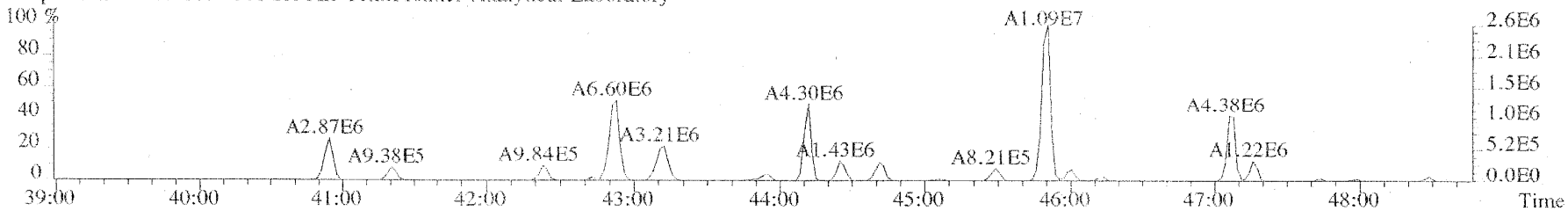
395.7995 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



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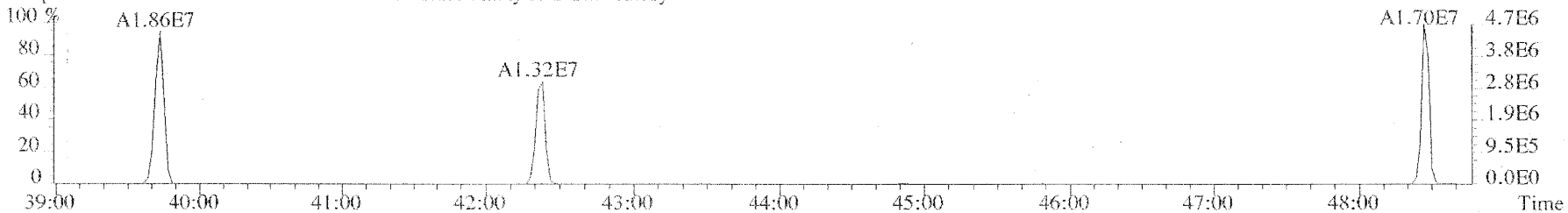
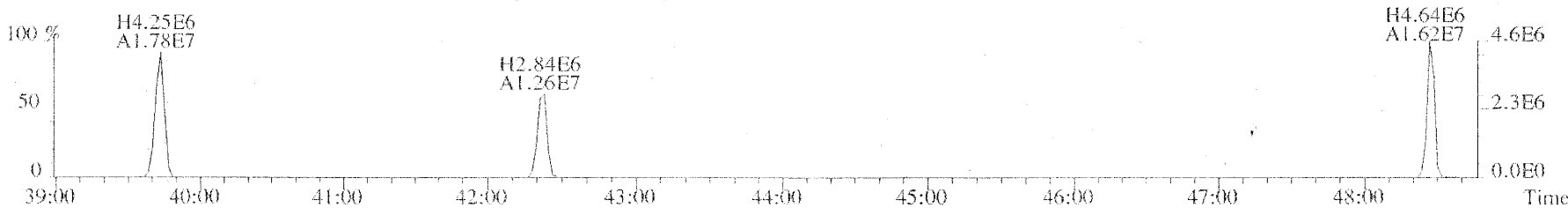
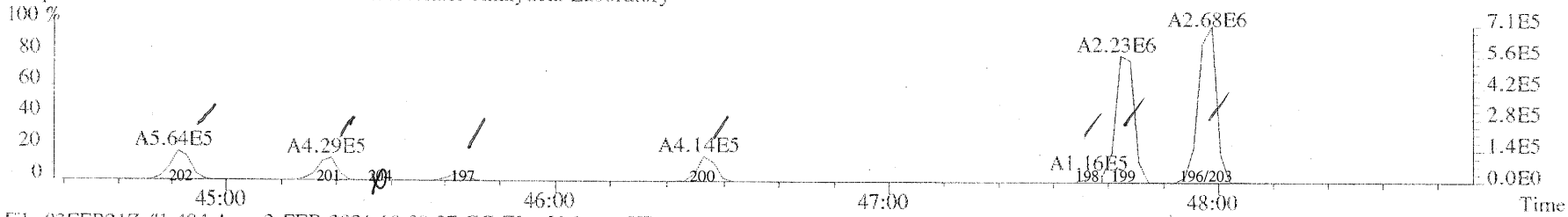
405.8428 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



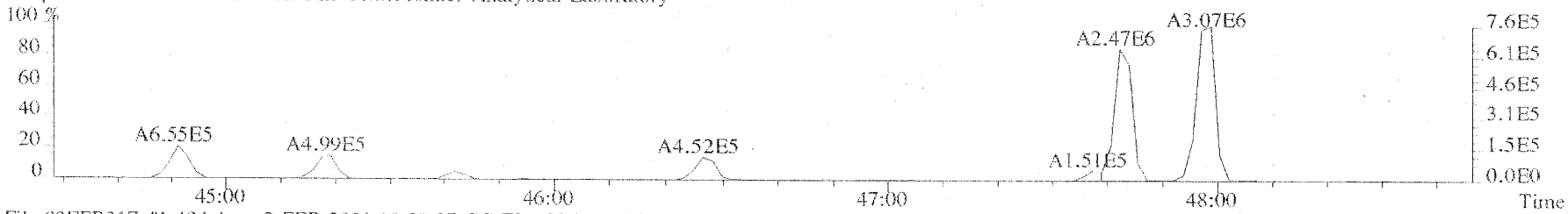
File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



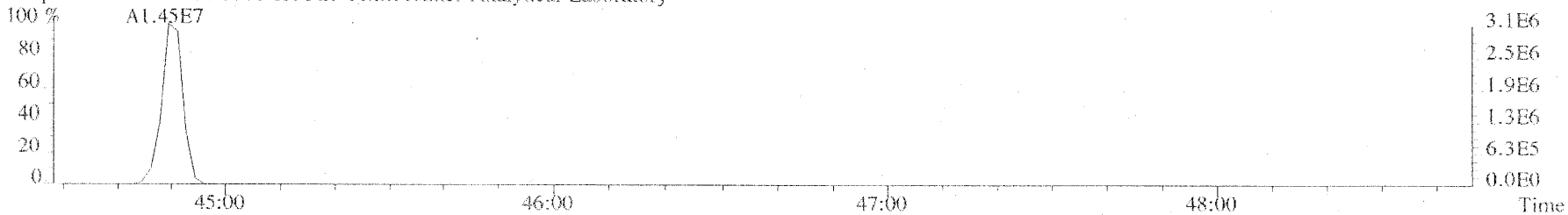
File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



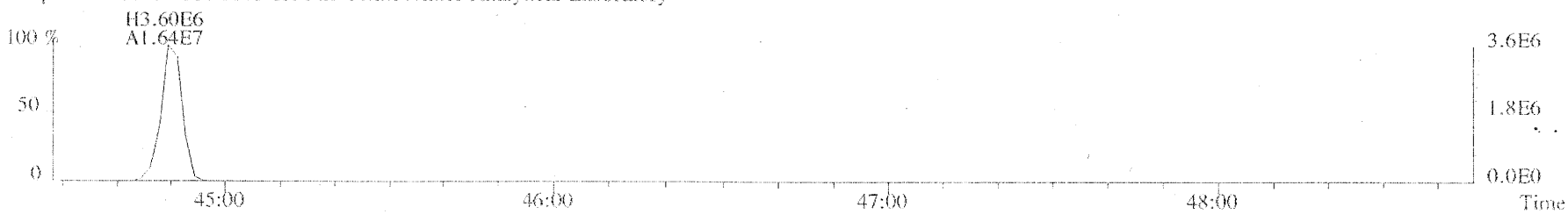
File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



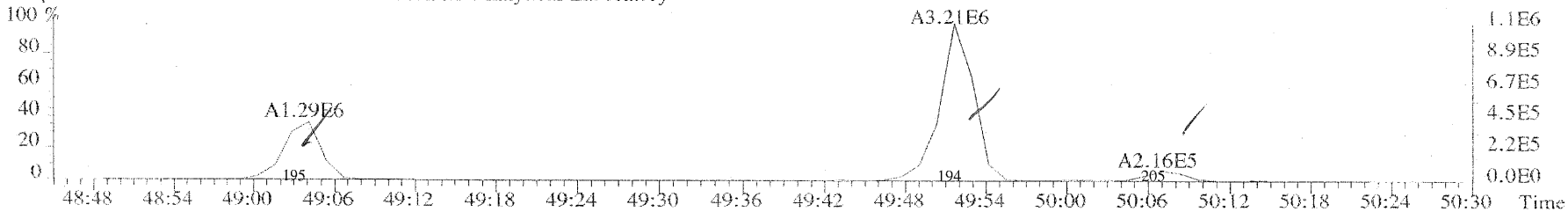
File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



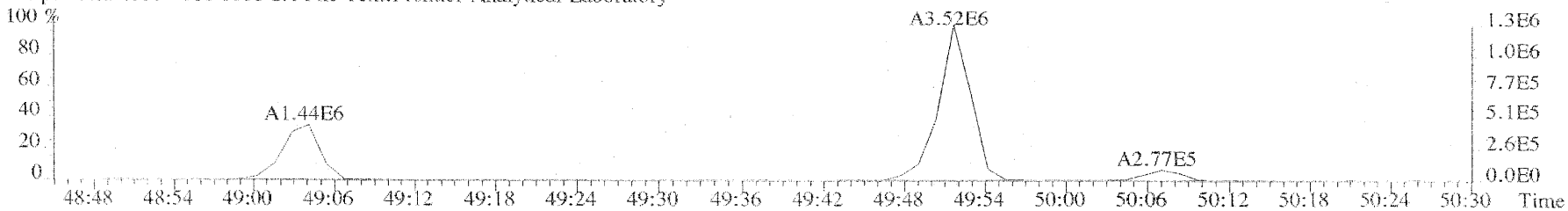
File:03FEB21Z #1-404 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



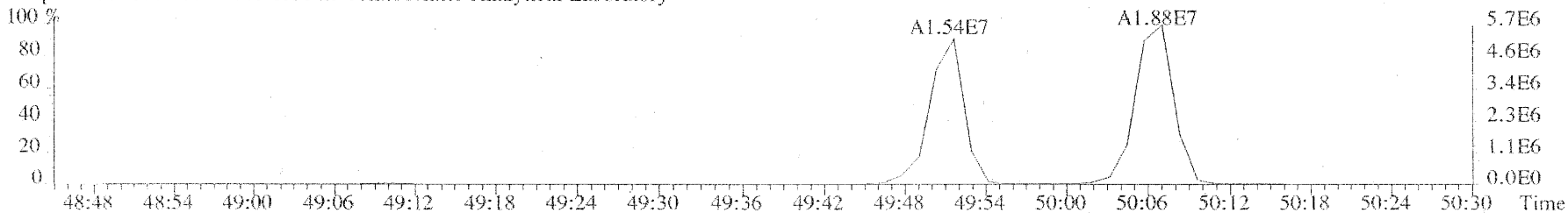
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



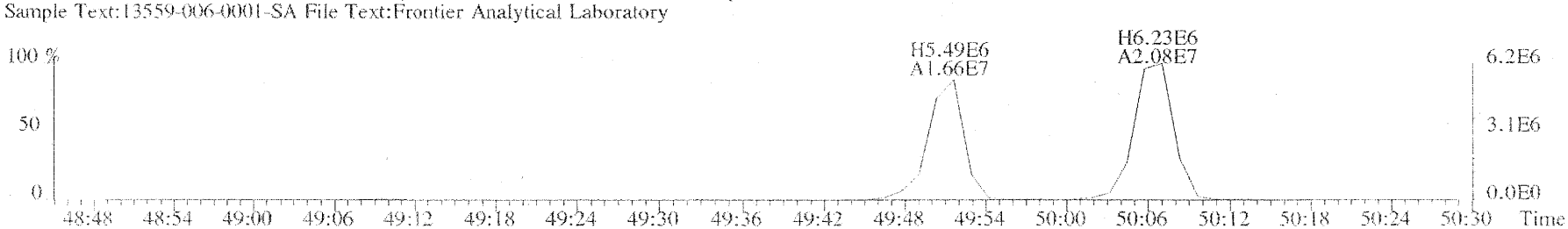
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



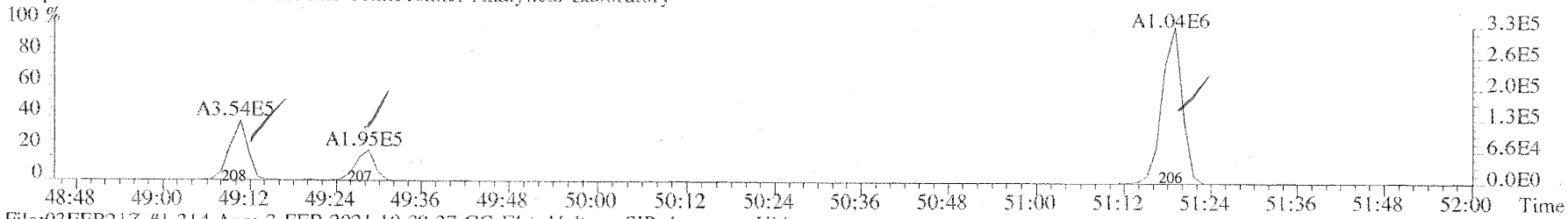
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



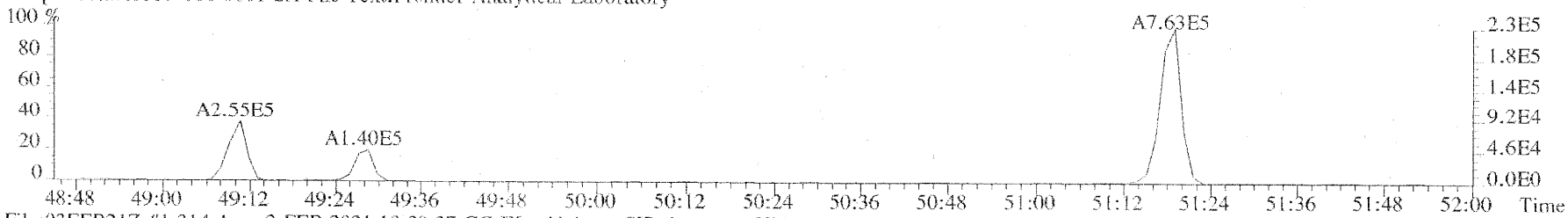
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



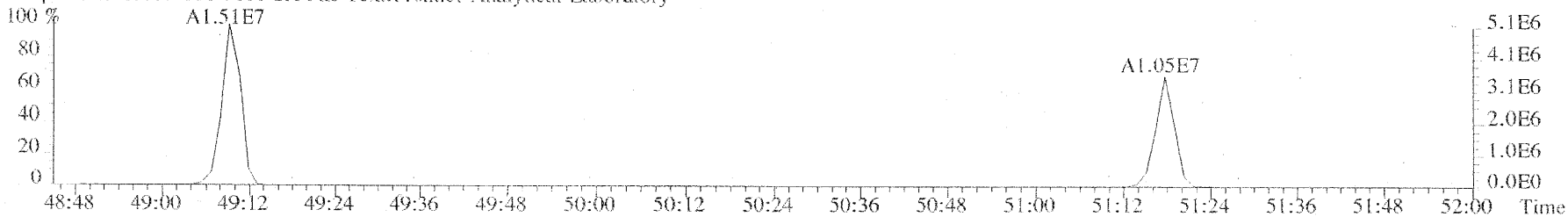
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



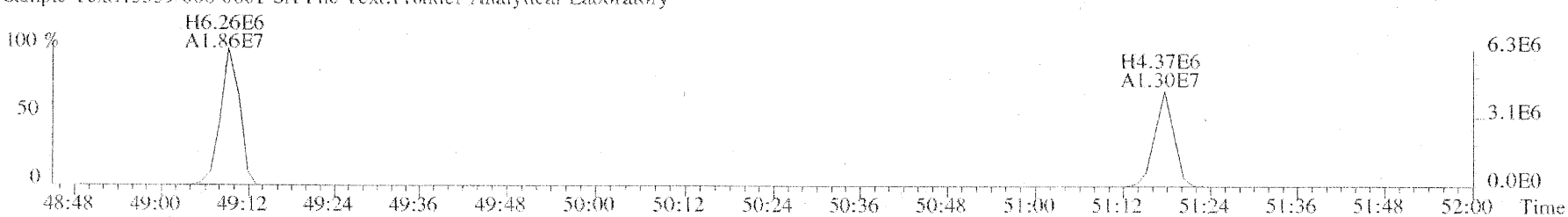
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



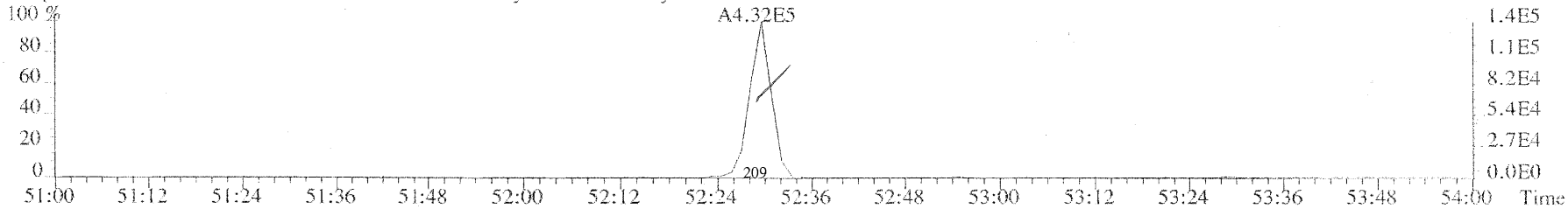
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



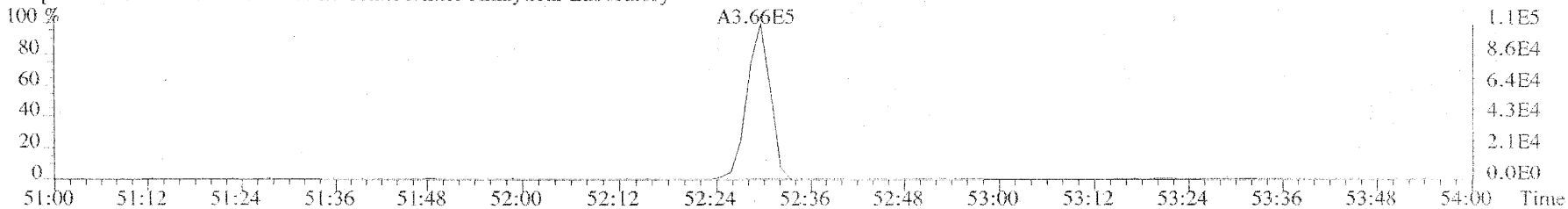
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



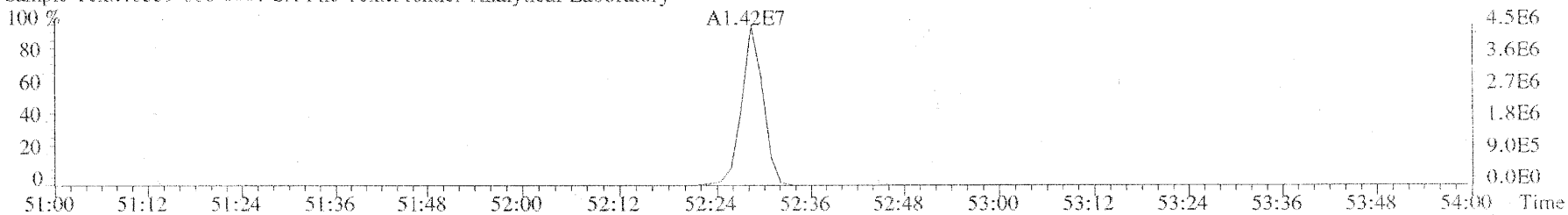
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



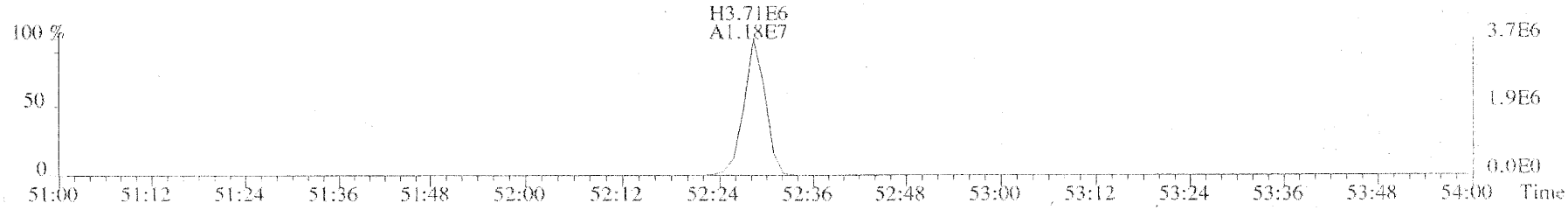
File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-314 Acq: 3-FEB-2021 10:39:27 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:13559-006-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Data Filename: 02DEC20Z

Analyte: Cal: 1668PCBFAL4-12-2-20

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	1.19	0.0780	6.54 %	1.34	1.20	1.17	1.12	1.15	1.17
13C-PCB-1	1.01	0.0514	5.09 %	1.02	0.98	0.98	0.98	1.00	1.11
PCB-3	1.22	0.0618	5.05 %	1.32	1.28	1.18	1.18	1.18	1.19
13C-PCB-3	1.02	0.0717	7.01 %	1.02	0.98	0.98	0.97	1.02	1.16
PCB-4	1.20	0.136	11.3 %	1.45	1.28	1.16	1.12	1.10	1.12
13C-PCB-4	0.72	0.0302	4.22 %	0.72	0.69	0.70	0.69	0.72	0.77
PCB-15	1.17	0.109	9.32 %	1.36	1.24	1.12	1.08	1.10	1.12
13C-PCB-15	1.04	0.0553	5.32 %	1.01	1.01	0.99	1.02	1.06	1.14
PCB-19	1.23	0.142	11.6 %	1.49	1.28	1.17	1.13	1.16	1.12
13C-PCB-19	0.55	0.0256	4.64 %	0.52	0.53	0.55	0.56	0.56	0.59
13C-PCB-9	-	-	- %	-	-	-	-	-	-
PCB-37	1.17	0.0542	4.61 %	1.28	1.18	1.17	1.13	1.14	1.15
13C-PCB-37	1.64	0.117	7.14 %	1.66	1.58	1.53	1.55	1.65	1.85
PCB-54	1.23	0.0399	3.24 %	1.29	1.27	1.24	1.20	1.20	1.20
13C-PCB-54	1.33	0.0574	4.30 %	1.29	1.30	1.30	1.32	1.35	1.44
PCB-104	1.12	0.0789	7.02 %	1.28	1.12	1.10	1.08	1.06	1.10
13C-PCB-104	1.09	0.0445	4.09 %	1.07	1.03	1.07	1.08	1.10	1.16
13C-PCB-28	1.74	0.0648	3.73 %	1.82	1.72	1.65	1.73	1.71	1.81
13C-PCB-52	-	-	- %	-	-	-	-	-	-
PCB-81	1.20	0.0865	7.22 %	1.36	1.23	1.18	1.13	1.14	1.15
13C-PCB-81	1.50	0.0908	6.06 %	1.51	1.43	1.42	1.45	1.51	1.67
PCB-77	1.15	0.0517	4.50 %	1.22	1.20	1.14	1.09	1.10	1.14
13C-PCB-77	1.54	0.0923	5.99 %	1.56	1.48	1.45	1.49	1.56	1.71
PCB-155	1.07	0.0856	8.03 %	1.23	1.06	1.07	1.02	1.01	1.00
13C-PCB-155	1.35	0.0600	4.43 %	1.30	1.30	1.31	1.36	1.40	1.45
13C-PCB-111	1.27	0.0391	3.07 %	1.22	1.27	1.25	1.26	1.31	1.33
13C-PCB-101	-	-	- %	-	-	-	-	-	-
PCB-123	1.14	0.0529	4.64 %	1.18	1.22	1.14	1.08	1.10	1.11
13C-PCB-123	1.34	0.0932	6.94 %	1.23	1.28	1.32	1.34	1.40	1.49
PCB-118	1.15	0.0957	8.32 %	1.34	1.14	1.14	1.08	1.08	1.12
13C-PCB-118	1.44	0.101	7.01 %	1.30	1.39	1.44	1.42	1.50	1.60
PCB-114	1.13	0.0583	5.16 %	1.23	1.15	1.13	1.07	1.09	1.11
13C-PCB-114	1.39	0.0943	6.77 %	1.30	1.33	1.36	1.36	1.44	1.56
PCB-105	1.12	0.0739	6.60 %	1.26	1.11	1.10	1.05	1.08	1.11
13C-PCB-105	1.38	0.0913	6.64 %	1.27	1.30	1.36	1.37	1.41	1.53
PCB-126	1.12	0.0782	6.96 %	1.27	1.15	1.12	1.06	1.07	1.08
13C-PCB-126	1.33	0.0849	6.39 %	1.24	1.27	1.30	1.31	1.36	1.48
PCB-167	1.14	0.0728	6.38 %	1.28	1.13	1.12	1.08	1.09	1.14
13C-PCB-167	1.23	0.0623	5.05 %	1.16	1.19	1.24	1.21	1.27	1.34
PCB-156	1.16	0.0726	6.29 %	1.29	1.17	1.14	1.08	1.12	1.13
13C-PCB-156	1.22	0.0687	5.63 %	1.13	1.17	1.22	1.22	1.26	1.33
PCB-157	1.15	0.136	11.9 %	1.42	1.15	1.11	1.07	1.07	1.07
13C-PCB-157	1.26	0.109	8.67 %	1.13	1.20	1.24	1.23	1.32	1.45
PCB-169	1.13	0.0770	6.81 %	1.28	1.14	1.11	1.07	1.09	1.08
13C-PCB-169	1.22	0.105	8.64 %	1.04	1.17	1.23	1.22	1.27	1.36
PCB-188	1.12	0.120	10.7 %	1.34	1.16	1.08	1.03	1.04	1.07
13C-PCB-188	1.21	0.0775	6.40 %	1.11	1.13	1.20	1.26	1.26	1.30
PCB-189	1.10	0.124	11.2 %	1.34	1.12	1.06	1.03	1.01	1.05
13C-PCB-189	1.08	0.0953	8.81 %	0.93	1.03	1.09	1.09	1.15	1.20
PCB-202	1.06	0.0863	8.17 %	1.22	1.08	1.04	0.99	0.99	1.02
13C-PCB-202	1.10	0.102	9.27 %	0.94	1.04	1.10	1.13	1.18	1.23
13C-PCB-178	0.86	0.0242	2.83 %	0.83	0.83	0.85	0.88	0.88	0.87
13C-PCB-138	-	-	- %	-	-	-	-	-	-

PCB-205	1.22	0.137	11.2	%	1.48	1.25	1.15	1.14	1.13	1.15
13C-PCB-205	1.31	0.0848	6.48	%	1.30	1.26	1.29	1.20	1.34	1.46
PCB-208	1.04	0.0474	4.58	%	1.13	1.03	1.04	0.99	1.01	1.02
13C-PCB-208	1.42	0.0882	6.23	%	1.43	1.37	1.35	1.34	1.44	1.57
PCB-206	1.05	0.0440	4.18	%	1.13	1.06	1.06	1.01	1.03	1.03
13C-PCB-206	1.03	0.0492	4.77	%	1.00	1.00	1.01	0.99	1.08	1.11
PCB-209	1.15	0.0511	4.44	%	1.24	1.17	1.15	1.11	1.12	1.12
13C-PCB-209	1.23	0.0478	3.88	%	1.25	1.19	1.22	1.16	1.26	1.29
13C-PCB-194	-	-	-	%	-	-	-	-	-	-

Analyst: _____ Date: 12/8/00

Run #1 Filename 02DEC20Z S: 1 Acquired: 2-DEC-20 07:26:05 Cal: 1668PCBFAL4-12-2-20
Client ID: ST120220Z0 Analyte: FAL ID: 1668 CS099 R201029A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	0.20	3.43e+05	3.22 y	14:34	-	1.34	y
2	IS/RT	13C-PCB-1	100.00	1.28e+08	3.18 y	14:33	-	1.02	y
3	Unk	PCB-3	0.20	3.36e+05	3.08 y	16:58	-	1.32	y
4	IS/RT	13C-PCB-3	100.00	1.28e+08	3.22 y	16:57	-	1.02	y
5	Unk	PCB-4	0.20	2.61e+05	1.33 y	18:14	-	1.45	y
6	IS/RT	13C-PCB-4	100.00	9.00e+07	1.57 y	18:12	-	0.721	y
7	Unk	PCB-15	0.20	3.44e+05	1.46 y	23:44	-	1.36	y
8	IS/RT	13C-PCB-15	100.00	1.27e+08	1.58 y	23:43	-	1.01	y
9	Unk	PCB-19	0.20	1.93e+05	1.17 y	22:06	-	1.49	y
10	IS/RT	13C-PCB-19	100.00	6.49e+07	1.06 y	22:05	-	0.519	y
11	RS	13C-PCB-9	100.00	1.25e+08	1.59 y	19:52	1.25e+06	-	n
12	Unk	PCB-37	0.20	2.73e+05	1.18 y	30:23	-	1.28	y
13	IS	13C-PCB-37	100.00	1.07e+08	1.07 y	30:22	-	1.66	y
14	Unk	PCB-54	0.20	2.14e+05	0.88 y	25:39	-	1.29	y
15	IS/RT	13C-PCB-54	100.00	8.31e+07	0.80 y	25:38	-	1.29	y
16	Unk	PCB-104	0.20	1.76e+05	1.32 y	30:06	-	1.28	y
17	IS	13C-PCB-104	100.00	6.86e+07	1.58 y	30:04	-	1.07	y
18	C/Up	13C-PCB-28	100.00	1.17e+08	1.06 y	26:42	-	1.82	y
19	RS	13C-PCB-52	100.00	6.43e+07	0.79 y	28:59	6.43e+05	-	n
20	Unk	PCB-81	0.20	2.31e+05	0.72 y	36:09	-	1.36	y
21	IS	13C-PCB-81	100.00	8.50e+07	0.80 y	36:08	-	1.51	y
22	Unk	PCB-77	0.20	2.15e+05	0.75 y	36:44	-	1.22	y
23	IS/RT	13C-PCB-77	100.00	8.78e+07	0.81 y	36:42	-	1.56	y
24	Unk	PCB-155	0.20	1.81e+05	1.29 y	34:14	-	1.23	y
25	IS	13C-PCB-155	100.00	7.33e+07	1.25 y	34:13	-	1.30	y
26	C/Up	13C-PCB-111	100.00	6.89e+07	1.59 y	36:18	-	1.22	y
27	RS	13C-PCB-101	100.00	5.63e+07	1.62 y	34:40	5.63e+05	-	n
28	Unk	PCB-123	0.20	1.78e+05	1.52 y	38:22	-	1.18	y
29	IS	13C-PCB-123	100.00	7.50e+07	1.56 y	38:21	-	1.23	y
30	Unk	PCB-118	0.20	2.13e+05	1.57 y	38:32	-	1.34	y
31	IS	13C-PCB-118	100.00	7.96e+07	1.61 y	38:31	-	1.30	y
32	Unk	PCB-114	0.20	1.96e+05	1.49 y	39:10	-	1.23	y
33	IS	13C-PCB-114	100.00	7.96e+07	1.60 y	39:09	-	1.30	y
34	Unk	PCB-105	0.20	1.96e+05	1.57 y	39:58	-	1.26	y
35	IS	13C-PCB-105	100.00	7.78e+07	1.58 y	39:58	-	1.27	y
36	Unk	PCB-126	0.20	1.93e+05	1.48 y	42:06	-	1.27	y
37	IS	13C-PCB-126	100.00	7.60e+07	1.61 y	42:05	-	1.24	y
38	Unk	PCB-167	0.20	1.82e+05	1.37 y	43:29	-	1.28	y
39	IS	13C-PCB-167	100.00	7.09e+07	1.28 y	43:27	-	1.16	y
40	Unk	PCB-156	0.20	1.78e+05	1.28 y	44:41	-	1.29	y
41	IS	13C-PCB-156	100.00	6.89e+07	1.27 y	44:41	-	1.13	y
42	Unk	PCB-157	0.20	1.96e+05	1.30 y	44:58	-	1.42	y
43	IS	13C-PCB-157	100.00	6.91e+07	1.27 y	44:56	-	1.13	y
44	Unk	PCB-169	0.20	1.63e+05	1.42 y	46:48	-	1.28	y
45	IS	13C-PCB-169	100.00	6.38e+07	1.27 y	46:48	-	1.04	y
46	Unk	PCB-188	0.20	1.83e+05	1.07 y	39:45	-	1.34	y
47	IS	13C-PCB-188	100.00	6.79e+07	1.07 y	39:45	-	1.11	y
48	Unk	PCB-189	0.20	1.52e+05	1.20 y	48:28	-	1.34	y
49	IS	13C-PCB-189	100.00	5.67e+07	1.06 y	48:27	-	0.928	y
50	Unk	PCB-202	0.20	1.40e+05	0.81 y	44:53	-	1.22	y
51	IS	13C-PCB-202	100.00	5.75e+07	0.90 y	44:51	-	0.940	y
52	C/Up	13C-PCB-178	100.00	5.06e+07	1.05 y	42:23	-	0.827	y
53	RS	13C-PCB-138	100.00	6.11e+07	1.28 y	41:35	6.11e+05	-	n

54	Unk	PCB-205	0.20	1.52e+05	0.77 y	50:07	-	1.48	y	
55	IS	13C-PCB-205	100.00	5.12e+07	0.91 y	50:06	-	1.30	y	
56	Unk	PCB-208	0.20	1.27e+05	1.41 y	49:12	-	1.13	y	
57	IS	13C-PCB-208	100.00	5.65e+07	0.79 y	49:10	-	1.43	y	
58	Unk	PCB-206	0.20	8.96e+04	1.22 y	51:19	-	1.13	y	
59	IS	13C-PCB-206	100.00	3.95e+07	0.80 y	51:18	-	0.999	y	
60	Unk	PCB-209	0.20	1.23e+05	1.23 y	52:29	-	1.24	y	
61	IS	13C-PCB-209	100.00	4.94e+07	1.19 y	52:28	-	1.25	y	
62	RS	13C-PCB-194	100.00	3.95e+07	0.91 y	49:50	3.95e+05	-	n	

Analyst: [illegible] Date: 12/2/20

Run #2 Filename 02DEC20Z S: 2 Acquired: 2-DEC-20 08:24:25 Cal: 1668PCBFAL4-12-2-20
Client ID: ST120220Z1 Analyte: FAL ID: 1668 CS199 R170213A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	1.00	1.55e+06	3.01 y	14:33	-	1.20	y
2	IS/RT	13C-PCB-1	100.00	1.29e+08	3.17 y	14:32	-	0.980	y
3	Unk	PCB-3	1.00	1.65e+06	3.11 y	16:58	-	1.28	y
4	IS/RT	13C-PCB-3	100.00	1.29e+08	3.23 y	16:57	-	0.976	y
5	Unk	PCB-4	1.00	1.16e+06	1.43 y	18:13	-	1.28	y
6	IS/RT	13C-PCB-4	100.00	9.11e+07	1.58 y	18:12	-	0.690	y
7	Unk	PCB-15	1.00	1.66e+06	1.38 y	23:44	-	1.24	y
8	IS/RT	13C-PCB-15	100.00	1.34e+08	1.60 y	23:43	-	1.01	y
9	Unk	PCB-19	1.00	9.01e+05	1.10 y	22:05	-	1.28	y
10	IS/RT	13C-PCB-19	100.00	7.03e+07	1.05 y	22:04	-	0.533	y
11	RS	13C-PCB-9	100.00	1.32e+08	1.58 y	19:52	1.32e+06	-	n
12	Unk	PCB-37	1.00	1.27e+06	1.10 y	30:22	-	1.18	y
13	IS	13C-PCB-37	100.00	1.08e+08	1.09 y	30:22	-	1.58	y
14	Unk	PCB-54	1.00	1.13e+06	0.81 y	25:39	-	1.27	y
15	IS/RT	13C-PCB-54	100.00	8.90e+07	0.80 y	25:36	-	1.30	y
16	Unk	PCB-104	1.00	7.89e+05	1.53 y	30:04	-	1.12	y
17	IS	13C-PCB-104	100.00	7.06e+07	1.58 y	30:03	-	1.03	y
18	C/Up	13C-PCB-28	100.00	1.18e+08	1.07 y	26:41	-	1.72	y
19	RS	13C-PCB-52	100.00	6.86e+07	0.80 y	28:57	6.86e+05	-	n
20	Unk	PCB-81	1.00	1.02e+06	0.78 y	36:09	-	1.23	y
21	IS	13C-PCB-81	100.00	8.26e+07	0.79 y	36:08	-	1.43	y
22	Unk	PCB-77	1.00	1.02e+06	0.80 y	36:42	-	1.20	y
23	IS/RT	13C-PCB-77	100.00	8.52e+07	0.81 y	36:41	-	1.48	y
24	Unk	PCB-155	1.00	7.96e+05	1.22 y	34:14	-	1.06	y
25	IS	13C-PCB-155	100.00	7.53e+07	1.27 y	34:13	-	1.30	y
26	C/Up	13C-PCB-111	100.00	7.34e+07	1.59 y	36:17	-	1.27	y
27	RS	13C-PCB-101	100.00	5.77e+07	1.59 y	34:38	5.77e+05	-	n
28	Unk	PCB-123	1.00	8.91e+05	1.65 y	38:21	-	1.22	y
29	IS	13C-PCB-123	100.00	7.30e+07	1.59 y	38:19	-	1.28	y
30	Unk	PCB-118	1.00	9.02e+05	1.51 y	38:32	-	1.14	y
31	IS	13C-PCB-118	100.00	7.90e+07	1.59 y	38:31	-	1.39	y
32	Unk	PCB-114	1.00	8.71e+05	1.60 y	39:09	-	1.15	y
33	IS	13C-PCB-114	100.00	7.59e+07	1.59 y	39:07	-	1.33	y
34	Unk	PCB-105	1.00	8.25e+05	1.56 y	39:58	-	1.11	y
35	IS	13C-PCB-105	100.00	7.41e+07	1.60 y	39:56	-	1.30	y
36	Unk	PCB-126	1.00	8.33e+05	1.58 y	42:05	-	1.15	y
37	IS	13C-PCB-126	100.00	7.27e+07	1.58 y	42:03	-	1.27	y
38	Unk	PCB-167	1.00	7.66e+05	1.24 y	43:27	-	1.13	y
39	IS	13C-PCB-167	100.00	6.79e+07	1.25 y	43:25	-	1.19	y
40	Unk	PCB-156	1.00	7.83e+05	1.25 y	44:41	-	1.17	y
41	IS	13C-PCB-156	100.00	6.67e+07	1.29 y	44:39	-	1.17	y
42	Unk	PCB-157	1.00	7.87e+05	1.32 y	44:56	-	1.15	y
43	IS	13C-PCB-157	100.00	6.84e+07	1.27 y	44:54	-	1.20	y
44	Unk	PCB-169	1.00	7.65e+05	1.31 y	46:48	-	1.14	y
45	IS	13C-PCB-169	100.00	6.69e+07	1.26 y	46:46	-	1.17	y
46	Unk	PCB-188	1.00	7.51e+05	1.14 y	39:45	-	1.16	y
47	IS	13C-PCB-188	100.00	6.45e+07	1.05 y	39:43	-	1.13	y
48	Unk	PCB-189	1.00	6.58e+05	1.08 y	48:28	-	1.12	y
49	IS	13C-PCB-189	100.00	5.86e+07	1.06 y	48:27	-	1.03	y
50	Unk	PCB-202	1.00	6.36e+05	0.90 y	44:53	-	1.08	y
51	IS	13C-PCB-202	100.00	5.90e+07	0.90 y	44:51	-	1.04	y
52	C/Up	13C-PCB-178	100.00	4.71e+07	1.06 y	42:21	-	0.826	y
53	RS	13C-PCB-138	100.00	5.70e+07	1.27 y	41:35	5.70e+05	-	n

54	Unk	PCB-205	1.00	6.75e+05	0.83 y	50:06	-	1.25	y	
55	IS	13C-PCB-205	100.00	5.38e+07	0.90 y	50:06	-	1.26	y	
56	Unk	PCB-208	1.00	5.98e+05	1.36 y	49:10	-	1.03	y	
57	IS	13C-PCB-208	100.00	5.81e+07	0.80 y	49:10	-	1.37	y	
58	Unk	PCB-206	1.00	4.52e+05	1.36 y	51:17	-	1.06	y	
59	IS	13C-PCB-206	100.00	4.27e+07	0.79 y	51:17	-	1.00	y	
60	Unk	PCB-209	1.00	5.95e+05	1.18 y	52:29	-	1.17	y	
61	IS	13C-PCB-209	100.00	5.08e+07	1.20 y	52:28	-	1.19	y	
62	RS	13C-PCB-194	100.00	4.26e+07	0.91 y	49:50	4.26e+05	-	n	

Analyst: [signature] Date: 12/2/26

Run #3 Filename 02DEC20Z S: 3 Acquired: 2-DEC-20 09:22:47 Cal: 1668PCBFAL4-12-2-20
Client ID: ST120220Z2 Analyte: FAL ID: 1668 CS299 R170213B

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	5.00	6.33e+06	3.05 y	14:33	-	1.17	y
2	IS/RT	13C-PCB-1	100.00	1.09e+08	3.18 y	14:32	-	0.979	y
3	Unk	PCB-3	5.00	6.44e+06	3.05 y	16:58	-	1.18	y
4	IS/RT	13C-PCB-3	100.00	1.09e+08	3.30 y	16:57	-	0.984	y
5	Unk	PCB-4	5.00	4.51e+06	1.46 y	18:13	-	1.16	y
6	IS/RT	13C-PCB-4	100.00	7.79e+07	1.57 y	18:12	-	0.702	y
7	Unk	PCB-15	5.00	6.14e+06	1.48 y	23:44	-	1.12	y
8	IS/RT	13C-PCB-15	100.00	1.09e+08	1.62 y	23:43	-	0.986	y
9	Unk	PCB-19	5.00	3.57e+06	1.06 y	22:05	-	1.17	y
10	IS/RT	13C-PCB-19	100.00	6.08e+07	1.06 y	22:05	-	0.548	y
11	RS	13C-PCB-9	100.00	1.11e+08	1.60 y	19:52	1.11e+06	-	n
12	Unk	PCB-37	5.00	5.13e+06	1.05 y	30:23	-	1.17	y
13	IS	13C-PCB-37	100.00	8.77e+07	1.07 y	30:22	-	1.53	y
14	Unk	PCB-54	5.00	4.61e+06	0.78 y	25:39	-	1.24	y
15	IS/RT	13C-PCB-54	100.00	7.46e+07	0.80 y	25:38	-	1.30	y
16	Unk	PCB-104	5.00	3.39e+06	1.52 y	30:04	-	1.10	y
17	IS	13C-PCB-104	100.00	6.14e+07	1.57 y	30:03	-	1.07	y
18	C/Up	13C-PCB-28	100.00	9.45e+07	1.05 y	26:41	-	1.65	y
19	RS	13C-PCB-52	100.00	5.73e+07	0.79 y	28:57	5.73e+05	-	n
20	Unk	PCB-81	5.00	4.06e+06	0.80 y	36:09	-	1.18	y
21	IS	13C-PCB-81	100.00	6.86e+07	0.79 y	36:08	-	1.42	y
22	Unk	PCB-77	5.00	4.00e+06	0.78 y	36:42	-	1.14	y
23	IS/RT	13C-PCB-77	100.00	6.99e+07	0.80 y	36:41	-	1.45	y
24	Unk	PCB-155	5.00	3.37e+06	1.23 y	34:14	-	1.07	y
25	IS	13C-PCB-155	100.00	6.33e+07	1.25 y	34:13	-	1.31	y
26	C/Up	13C-PCB-111	100.00	6.04e+07	1.59 y	36:17	-	1.25	y
27	RS	13C-PCB-101	100.00	4.82e+07	1.61 y	34:38	4.82e+05	-	n
28	Unk	PCB-123	5.00	3.46e+06	1.49 y	38:21	-	1.14	y
29	IS	13C-PCB-123	100.00	6.07e+07	1.58 y	38:19	-	1.32	y
30	Unk	PCB-118	5.00	3.80e+06	1.56 y	38:31	-	1.14	y
31	IS	13C-PCB-118	100.00	6.64e+07	1.61 y	38:31	-	1.44	y
32	Unk	PCB-114	5.00	3.52e+06	1.54 y	39:09	-	1.13	y
33	IS	13C-PCB-114	100.00	6.24e+07	1.59 y	39:07	-	1.36	y
34	Unk	PCB-105	5.00	3.46e+06	1.57 y	39:58	-	1.10	y
35	IS	13C-PCB-105	100.00	6.27e+07	1.60 y	39:56	-	1.36	y
36	Unk	PCB-126	5.00	3.37e+06	1.57 y	42:05	-	1.12	y
37	IS	13C-PCB-126	100.00	6.00e+07	1.59 y	42:03	-	1.30	y
38	Unk	PCB-167	5.00	3.19e+06	1.22 y	43:27	-	1.12	y
39	IS	13C-PCB-167	100.00	5.69e+07	1.30 y	43:25	-	1.24	y
40	Unk	PCB-156	5.00	3.19e+06	1.25 y	44:41	-	1.14	y
41	IS	13C-PCB-156	100.00	5.61e+07	1.28 y	44:39	-	1.22	y
42	Unk	PCB-157	5.00	3.15e+06	1.27 y	44:56	-	1.11	y
43	IS	13C-PCB-157	100.00	5.69e+07	1.29 y	44:54	-	1.24	y
44	Unk	PCB-169	5.00	3.13e+06	1.22 y	46:48	-	1.11	y
45	IS	13C-PCB-169	100.00	5.64e+07	1.27 y	46:46	-	1.23	y
46	Unk	PCB-188	5.00	2.98e+06	1.05 y	39:45	-	1.08	y
47	IS	13C-PCB-188	100.00	5.53e+07	1.04 y	39:43	-	1.20	y
48	Unk	PCB-189	5.00	2.66e+06	1.00 y	48:27	-	1.06	y
49	IS	13C-PCB-189	100.00	5.00e+07	1.06 y	48:27	-	1.09	y
50	Unk	PCB-202	5.00	2.64e+06	0.90 y	44:51	-	1.04	y
51	IS	13C-PCB-202	100.00	5.07e+07	0.91 y	44:49	-	1.10	y
52	C/Up	13C-PCB-178	100.00	3.93e+07	1.06 y	42:21	-	0.853	y
53	RS	13C-PCB-138	100.00	4.60e+07	1.28 y	41:35	4.60e+05	-	n

54	Unk	PCB-205	5.00	2.66e+06	0.89 y	50:06	-	1.15	y	
55	IS	13C-PCB-205	100.00	4.63e+07	0.91 y	50:06	-	1.29	y	
56	Unk	PCB-208	5.00	2.51e+06	1.34 y	49:10	-	1.04	y	
57	IS	13C-PCB-208	100.00	4.82e+07	0.81 y	49:09	-	1.35	y	
58	Unk	PCB-206	5.00	1.92e+06	1.30 y	51:18	-	1.06	y	
59	IS	13C-PCB-206	100.00	3.62e+07	0.81 y	51:16	-	1.01	y	
60	Unk	PCB-209	5.00	2.50e+06	1.18 y	52:28	-	1.15	y	
61	IS	13C-PCB-209	100.00	4.37e+07	1.21 y	52:28	-	1.22	y	
62	RS	13C-PCB-194	100.00	3.58e+07	0.92 y	49:50	3.58e+05	-	n	

Analyst: [signature] Date: 12/2/21

Run #4 Filename 02DEC20Z S: 4 Acquired: 2-DEC-20 10:21:08 Cal: 1668PCBFAL4-12-2-20
Client ID: ST120220Z3 Analyte: FAL ID: 1668 CS399 R190905A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	5.07e+07	3.14 y	14:32	-	1.12	y
2	IS/RT	13C-PCB-1	100.00	9.01e+07	3.18 y	14:31	-	0.981	y
3	Unk	PCB-3	50.00	5.25e+07	3.11 y	16:58	-	1.18	y
4	IS/RT	13C-PCB-3	100.00	8.91e+07	3.23 y	16:57	-	0.970	y
5	Unk	PCB-4	50.00	3.58e+07	1.56 y	18:13	-	1.12	y
6	IS/RT	13C-PCB-4	100.00	6.38e+07	1.58 y	18:12	-	0.694	y
7	Unk	PCB-15	50.00	5.06e+07	1.57 y	23:44	-	1.08	y
8	IS/RT	13C-PCB-15	100.00	9.41e+07	1.59 y	23:43	-	1.02	y
9	Unk	PCB-19	50.00	2.88e+07	1.06 y	22:06	-	1.13	y
10	IS/RT	13C-PCB-19	100.00	5.10e+07	1.05 y	22:05	-	0.556	y
11	RS	13C-PCB-9	100.00	9.19e+07	1.59 y	19:52	9.19e+05	-	n
12	Unk	PCB-37	50.00	4.17e+07	1.06 y	30:23	-	1.13	y
13	IS	13C-PCB-37	100.00	7.40e+07	1.07 y	30:22	-	1.55	y
14	Unk	PCB-54	50.00	3.78e+07	0.79 y	25:39	-	1.20	y
15	IS/RT	13C-PCB-54	100.00	6.31e+07	0.80 y	25:36	-	1.32	y
16	Unk	PCB-104	50.00	2.80e+07	1.53 y	30:04	-	1.08	y
17	IS	13C-PCB-104	100.00	5.18e+07	1.62 y	30:03	-	1.08	y
18	C/Up	13C-PCB-28	100.00	8.26e+07	1.07 y	26:41	-	1.73	y
19	RS	13C-PCB-52	100.00	4.78e+07	0.79 y	28:57	4.78e+05	-	n
20	Unk	PCB-81	50.00	3.29e+07	0.79 y	36:09	-	1.13	y
21	IS	13C-PCB-81	100.00	5.81e+07	0.80 y	36:08	-	1.45	y
22	Unk	PCB-77	50.00	3.27e+07	0.79 y	36:42	-	1.09	y
23	IS/RT	13C-PCB-77	100.00	6.00e+07	0.81 y	36:41	-	1.49	y
24	Unk	PCB-155	50.00	2.79e+07	1.26 y	34:14	-	1.02	y
25	IS	13C-PCB-155	100.00	5.46e+07	1.26 y	34:13	-	1.36	y
26	C/Up	13C-PCB-111	100.00	5.05e+07	1.58 y	36:17	-	1.26	y
27	RS	13C-PCB-101	100.00	4.02e+07	1.59 y	34:38	4.02e+05	-	n
28	Unk	PCB-123	50.00	2.84e+07	1.55 y	38:21	-	1.08	y
29	IS	13C-PCB-123	100.00	5.23e+07	1.58 y	38:19	-	1.34	y
30	Unk	PCB-118	50.00	3.00e+07	1.56 y	38:31	-	1.08	y
31	IS	13C-PCB-118	100.00	5.55e+07	1.60 y	38:31	-	1.42	y
32	Unk	PCB-114	50.00	2.85e+07	1.58 y	39:09	-	1.07	y
33	IS	13C-PCB-114	100.00	5.31e+07	1.57 y	39:07	-	1.36	y
34	Unk	PCB-105	50.00	2.80e+07	1.57 y	39:58	-	1.05	y
35	IS	13C-PCB-105	100.00	5.34e+07	1.61 y	39:56	-	1.37	y
36	Unk	PCB-126	50.00	2.69e+07	1.59 y	42:05	-	1.06	y
37	IS	13C-PCB-126	100.00	5.09e+07	1.59 y	42:03	-	1.31	y
38	Unk	PCB-167	50.00	2.55e+07	1.24 y	43:27	-	1.08	y
39	IS	13C-PCB-167	100.00	4.72e+07	1.26 y	43:25	-	1.21	y
40	Unk	PCB-156	50.00	2.58e+07	1.25 y	44:41	-	1.08	y
41	IS	13C-PCB-156	100.00	4.77e+07	1.29 y	44:39	-	1.22	y
42	Unk	PCB-157	50.00	2.56e+07	1.27 y	44:56	-	1.07	y
43	IS	13C-PCB-157	100.00	4.81e+07	1.30 y	44:54	-	1.23	y
44	Unk	PCB-169	50.00	2.55e+07	1.24 y	46:48	-	1.07	y
45	IS	13C-PCB-169	100.00	4.77e+07	1.29 y	46:46	-	1.22	y
46	Unk	PCB-188	50.00	2.51e+07	1.06 y	39:45	-	1.03	y
47	IS	13C-PCB-188	100.00	4.90e+07	1.04 y	39:43	-	1.26	y
48	Unk	PCB-189	50.00	2.19e+07	1.04 y	48:27	-	1.03	y
49	IS	13C-PCB-189	100.00	4.26e+07	1.03 y	48:27	-	1.09	y
50	Unk	PCB-202	50.00	2.18e+07	0.90 y	44:51	-	0.995	y
51	IS	13C-PCB-202	100.00	4.39e+07	0.92 y	44:49	-	1.13	y
52	C/Up	13C-PCB-178	100.00	3.42e+07	1.06 y	42:21	-	0.877	y
53	RS	13C-PCB-138	100.00	3.90e+07	1.27 y	41:33	3.90e+05	-	n

54	Unk	PCB-205	50.00	2.16e+07	0.92 y	50:06	-	1.14	y	
55	IS	13C-PCB-205	100.00	3.80e+07	0.89 y	50:06	-	1.20	y	
56	Unk	PCB-208	50.00	2.09e+07	1.36 y	49:10	-	0.991	y	
57	IS	13C-PCB-208	100.00	4.23e+07	0.80 y	49:09	-	1.34	y	
58	Unk	PCB-206	50.00	1.58e+07	1.37 y	51:18	-	1.01	y	
59	IS	13C-PCB-206	100.00	3.12e+07	0.80 y	51:16	-	0.987	y	
60	Unk	PCB-209	50.00	2.03e+07	1.19 y	52:29	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.66e+07	1.20 y	52:28	-	1.16	y	
62	RS	13C-PCB-194	100.00	3.15e+07	0.92 y	49:50	3.15e+05	-	n	

Analyst: [illegible] Date: 12/8/20

Run #5 Filename 02DEC20Z S: 5 Acquired: 2-DEC-20 11:19:29 Cal: 1668PCBFAL4-12-2-20
Client ID: ST12022024 Analyte: FAL ID: 1668 CS499 R181022B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	400.00	4.55e+08	3.14	y	14:32	-	1.15	y
2	IS/RT	13C-PCB-1	100.00	9.87e+07	3.18	y	14:31	-	0.996	y
3	Unk	PCB-3	400.00	4.76e+08	3.18	y	16:58	-	1.18	y
4	IS/RT	13C-PCB-3	100.00	1.01e+08	3.28	y	16:57	-	1.02	y
5	Unk	PCB-4	400.00	3.14e+08	1.59	y	18:13	-	1.10	y
6	IS/RT	13C-PCB-4	100.00	7.12e+07	1.56	y	18:11	-	0.719	y
7	Unk	PCB-15	400.00	4.63e+08	1.58	y	23:44	-	1.10	y
8	IS/RT	13C-PCB-15	100.00	1.05e+08	1.58	y	23:43	-	1.06	y
9	Unk	PCB-19	400.00	2.58e+08	1.05	y	22:06	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	5.58e+07	1.06	y	22:05	-	0.563	y
11	RS	13C-PCB-9	100.00	9.90e+07	1.61	y	19:52	9.90e+05	-	n
12	Unk	PCB-37	400.00	3.85e+08	1.05	y	30:22	-	1.14	y
13	IS	13C-PCB-37	100.00	8.44e+07	1.08	y	30:22	-	1.65	y
14	Unk	PCB-54	400.00	3.31e+08	0.79	y	25:39	-	1.20	y
15	IS/RT	13C-PCB-54	100.00	6.92e+07	0.81	y	25:36	-	1.35	y
16	Unk	PCB-104	400.00	2.39e+08	1.54	y	30:04	-	1.06	y
17	IS	13C-PCB-104	100.00	5.64e+07	1.59	y	30:03	-	1.10	y
18	C/Up	13C-PCB-28	100.00	8.72e+07	1.05	y	26:41	-	1.71	y
19	RS	13C-PCB-52	100.00	5.10e+07	0.78	y	28:57	5.10e+05	-	n
20	Unk	PCB-81	400.00	3.00e+08	0.79	y	36:09	-	1.14	y
21	IS	13C-PCB-81	100.00	6.56e+07	0.80	y	36:08	-	1.51	y
22	Unk	PCB-77	400.00	2.98e+08	0.79	y	36:42	-	1.10	y
23	IS/RT	13C-PCB-77	100.00	6.77e+07	0.79	y	36:41	-	1.56	y
24	Unk	PCB-155	400.00	2.47e+08	1.25	y	34:14	-	1.01	y
25	IS	13C-PCB-155	100.00	6.09e+07	1.25	y	34:12	-	1.40	y
26	C/Up	13C-PCB-111	100.00	5.67e+07	1.56	y	36:17	-	1.31	y
27	RS	13C-PCB-101	100.00	4.34e+07	1.60	y	34:38	4.34e+05	-	n
28	Unk	PCB-123	400.00	2.53e+08	1.55	y	38:21	-	1.10	y
29	IS	13C-PCB-123	100.00	5.76e+07	1.57	y	38:19	-	1.40	y
30	Unk	PCB-118	400.00	2.67e+08	1.56	y	38:31	-	1.08	y
31	IS	13C-PCB-118	100.00	6.19e+07	1.57	y	38:31	-	1.50	y
32	Unk	PCB-114	400.00	2.58e+08	1.55	y	39:09	-	1.09	y
33	IS	13C-PCB-114	100.00	5.95e+07	1.60	y	39:07	-	1.44	y
34	Unk	PCB-105	400.00	2.53e+08	1.58	y	39:58	-	1.08	y
35	IS	13C-PCB-105	100.00	5.84e+07	1.62	y	39:56	-	1.41	y
36	Unk	PCB-126	400.00	2.40e+08	1.56	y	42:05	-	1.07	y
37	IS	13C-PCB-126	100.00	5.61e+07	1.62	y	42:03	-	1.36	y
38	Unk	PCB-167	400.00	2.30e+08	1.25	y	43:27	-	1.09	y
39	IS	13C-PCB-167	100.00	5.25e+07	1.28	y	43:25	-	1.27	y
40	Unk	PCB-156	400.00	2.32e+08	1.25	y	44:41	-	1.12	y
41	IS	13C-PCB-156	100.00	5.18e+07	1.28	y	44:39	-	1.26	y
42	Unk	PCB-157	400.00	2.33e+08	1.26	y	44:56	-	1.07	y
43	IS	13C-PCB-157	100.00	5.43e+07	1.29	y	44:54	-	1.32	y
44	Unk	PCB-169	400.00	2.29e+08	1.26	y	46:48	-	1.09	y
45	IS	13C-PCB-169	100.00	5.24e+07	1.28	y	46:46	-	1.27	y
46	Unk	PCB-188	400.00	2.17e+08	1.03	y	39:45	-	1.04	y
47	IS	13C-PCB-188	100.00	5.21e+07	1.05	y	39:43	-	1.26	y
48	Unk	PCB-189	400.00	1.93e+08	1.04	y	48:27	-	1.01	y
49	IS	13C-PCB-189	100.00	4.76e+07	1.05	y	48:27	-	1.15	y
50	Unk	PCB-202	400.00	1.92e+08	0.90	y	44:51	-	0.990	y
51	IS	13C-PCB-202	100.00	4.86e+07	0.90	y	44:49	-	1.18	y
52	C/Up	13C-PCB-178	100.00	3.63e+07	1.03	y	42:21	-	0.879	y
53	RS	13C-PCB-138	100.00	4.13e+07	1.29	y	41:33	4.13e+05	-	n

54	Unk	PCB-205	400.00	2.00e+08	0.91 y	50:06	-	1.13	y	
55	IS	13C-PCB-205	100.00	4.40e+07	0.93 y	50:04	-	1.34	y	
56	Unk	PCB-208	400.00	1.92e+08	1.36 y	49:10	-	1.01	y	
57	IS	13C-PCB-208	100.00	4.75e+07	0.80 y	49:09	-	1.44	y	
58	Unk	PCB-206	400.00	1.45e+08	1.35 y	51:18	-	1.03	y	
59	IS	13C-PCB-206	100.00	3.54e+07	0.80 y	51:16	-	1.08	y	
60	Unk	PCB-209	400.00	1.85e+08	1.19 y	52:28	-	1.12	y	
61	IS	13C-PCB-209	100.00	4.14e+07	1.19 y	52:28	-	1.26	y	
62	RS	13C-PCB-194	100.00	3.29e+07	0.90 y	49:50	3.29e+05	-	n	

Analyst: [signature] Date: 12/8/20

Run #6 Filename 02DEC20Z S: 6 Acquired: 2-DEC-20 12:17:50 Cal: 1668PCBFAL4-12-2-20
Client ID: ST120220Z5 Analyte: FAL ID: 1668 CS599 R201029B

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	2000.00	2.28e+09	3.16 y	14:30	-	1.17	y
2	IS/RT	13C-PCB-1	100.00	9.77e+07	3.17 y	14:29	-	1.11	y
3	Unk	PCB-3	2000.00	2.44e+09	3.17 y	16:57	-	1.19	y
4	IS/RT	13C-PCB-3	100.00	1.02e+08	3.21 y	16:56	-	1.16	y
5	Unk	PCB-4	2000.00	1.52e+09	1.57 y	18:13	-	1.12	y
6	IS/RT	13C-PCB-4	100.00	6.79e+07	1.57 y	18:11	-	0.773	y
7	Unk	PCB-15	2000.00	2.25e+09	1.58 y	23:45	-	1.12	y
8	IS/RT	13C-PCB-15	100.00	1.00e+08	1.59 y	23:43	-	1.14	y
9	Unk	PCB-19	2000.00	1.17e+09	1.06 y	22:07	-	1.12	y
10	IS/RT	13C-PCB-19	100.00	5.21e+07	1.07 y	22:05	-	0.593	y
11	RS	13C-PCB-9	100.00	8.79e+07	1.60 y	19:52	8.79e+05	-	n
12	Unk	PCB-37	2000.00	1.79e+09	1.06 y	30:23	-	1.15	y
13	IS	13C-PCB-37	100.00	7.76e+07	1.07 y	30:22	-	1.85	y
14	Unk	PCB-54	2000.00	1.45e+09	0.79 y	25:39	-	1.20	y
15	IS/RT	13C-PCB-54	100.00	6.06e+07	0.80 y	25:38	-	1.44	y
16	Unk	PCB-104	2000.00	1.08e+09	1.56 y	30:06	-	1.10	y
17	IS	13C-PCB-104	100.00	4.88e+07	1.57 y	30:03	-	1.16	y
18	C/Up	13C-PCB-28	100.00	7.59e+07	1.07 y	26:42	-	1.81	y
19	RS	13C-PCB-52	100.00	4.20e+07	0.78 y	28:57	4.20e+05	-	n
20	Unk	PCB-81	2000.00	1.39e+09	0.78 y	36:09	-	1.15	y
21	IS	13C-PCB-81	100.00	6.06e+07	0.80 y	36:08	-	1.67	y
22	Unk	PCB-77	2000.00	1.42e+09	0.79 y	36:44	-	1.14	y
23	IS/RT	13C-PCB-77	100.00	6.21e+07	0.81 y	36:42	-	1.71	y
24	Unk	PCB-155	2000.00	1.06e+09	1.23 y	34:14	-	1.00	y
25	IS	13C-PCB-155	100.00	5.27e+07	1.26 y	34:13	-	1.45	y
26	C/Up	13C-PCB-111	100.00	4.85e+07	1.59 y	36:18	-	1.33	y
27	RS	13C-PCB-101	100.00	3.64e+07	1.59 y	34:40	3.64e+05	-	n
28	Unk	PCB-123	2000.00	1.16e+09	1.57 y	38:23	-	1.11	y
29	IS	13C-PCB-123	100.00	5.22e+07	1.57 y	38:21	-	1.49	y
30	Unk	PCB-118	2000.00	1.25e+09	1.59 y	38:32	-	1.12	y
31	IS	13C-PCB-118	100.00	5.58e+07	1.58 y	38:31	-	1.60	y
32	Unk	PCB-114	2000.00	1.21e+09	1.55 y	39:09	-	1.11	y
33	IS	13C-PCB-114	100.00	5.45e+07	1.59 y	39:09	-	1.56	y
34	Unk	PCB-105	2000.00	1.18e+09	1.58 y	39:58	-	1.11	y
35	IS	13C-PCB-105	100.00	5.34e+07	1.61 y	39:56	-	1.53	y
36	Unk	PCB-126	2000.00	1.12e+09	1.57 y	42:05	-	1.08	y
37	IS	13C-PCB-126	100.00	5.18e+07	1.59 y	42:05	-	1.48	y
38	Unk	PCB-167	2000.00	1.06e+09	1.26 y	43:27	-	1.14	y
39	IS	13C-PCB-167	100.00	4.66e+07	1.30 y	43:27	-	1.34	y
40	Unk	PCB-156	2000.00	1.05e+09	1.26 y	44:41	-	1.13	y
41	IS	13C-PCB-156	100.00	4.63e+07	1.27 y	44:39	-	1.33	y
42	Unk	PCB-157	2000.00	1.08e+09	1.27 y	44:56	-	1.07	y
43	IS	13C-PCB-157	100.00	5.05e+07	1.27 y	44:56	-	1.45	y
44	Unk	PCB-169	2000.00	1.03e+09	1.25 y	46:48	-	1.08	y
45	IS	13C-PCB-169	100.00	4.75e+07	1.28 y	46:46	-	1.36	y
46	Unk	PCB-188	2000.00	9.75e+08	1.05 y	39:45	-	1.07	y
47	IS	13C-PCB-188	100.00	4.55e+07	1.05 y	39:43	-	1.30	y
48	Unk	PCB-189	2000.00	8.76e+08	1.05 y	48:27	-	1.05	y
49	IS	13C-PCB-189	100.00	4.19e+07	1.05 y	48:27	-	1.20	y
50	Unk	PCB-202	2000.00	8.70e+08	0.90 y	44:53	-	1.02	y
51	IS	13C-PCB-202	100.00	4.28e+07	0.91 y	44:51	-	1.23	y
52	C/Up	13C-PCB-178	100.00	3.04e+07	1.06 y	42:21	-	0.871	y
53	RS	13C-PCB-138	100.00	3.49e+07	1.30 y	41:35	3.49e+05	-	n

54	Unk	PCB-205	2000.00	9.37e+08	0.91 y	50:06	-	1.15	y	
55	IS	13C-PCB-205	100.00	4.06e+07	0.90 y	50:06	-	1.46	y	
56	Unk	PCB-208	2000.00	8.96e+08	1.35 y	49:10	-	1.02	y	
57	IS	13C-PCB-208	100.00	4.39e+07	0.80 y	49:09	-	1.57	y	
58	Unk	PCB-206	2000.00	6.35e+08	1.36 y	51:18	-	1.03	y	
59	IS	13C-PCB-206	100.00	3.09e+07	0.79 y	51:16	-	1.11	y	
60	Unk	PCB-209	2000.00	8.06e+08	1.19 y	52:28	-	1.12	y	
61	IS	13C-PCB-209	100.00	3.61e+07	1.20 y	52:28	-	1.29	y	
62	RS	13C-PCB-194	100.00	2.79e+07	0.91 y	49:50	2.79e+05	-	n	

Analyst: _____ Date: 12/2/20

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:4 Analysis Date: 2-DEC-20 10:21:08

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.14	2.66-3.60	y	47.2	37.5 - 62.5
PCB-3	M/M+2	3.11	2.66-3.60	y	48.2	37.5 - 62.5
PCB-4	M/M+2	1.56	1.33-1.79	y	46.6	37.5 - 62.5
PCB-15	M/M+2	1.57	1.33-1.79	y	46.0	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	46.0	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	48.0	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	48.7	37.5 - 62.5
PCB-77	M/M+2	0.79	0.65-0.89	y	47.4	37.5 - 62.5
PCB-81	M/M+2	0.79	0.65-0.89	y	47.3	37.5 - 62.5
PCB-104	M+2/M+4	1.53	1.32-1.78	y	48.1	37.5 - 62.5
PCB-105	M+2/M+4	1.57	1.32-1.78	y	46.8	37.5 - 62.5
PCB-114	M+2/M+4	1.58	1.32-1.78	y	47.4	37.5 - 62.5
PCB-118	M+2/M+4	1.56	1.32-1.78	y	47.0	37.5 - 62.5
PCB-123	M+2/M+4	1.55	1.32-1.78	y	47.6	37.5 - 62.5
PCB-126	M+2/M+4	1.59	1.32-1.78	y	47.0	37.5 - 62.5
PCB-155	M+2/M+4	1.26	1.05-1.43	y	47.9	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	46.8	37.5 - 62.5
PCB-157	M+2/M+4	1.27	1.05-1.43	y	46.5	37.5 - 62.5
PCB-167	M+2/M+4	1.24	1.05-1.43	y	47.3	37.5 - 62.5
PCB-169	M+2/M+4	1.24	1.05-1.43	y	47.4	37.5 - 62.5
PCB-188	M+2/M+4	1.06	0.89-1.21	y	45.8	37.5 - 62.5
PCB-189	M+2/M+4	1.04	0.89-1.21	y	46.7	37.5 - 62.5
PCB-202	M+2/M+4	0.90	0.76-1.02	y	47.1	37.5 - 62.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	46.7	37.5 - 62.5
PCB-206	M+4/M+6	1.37	1.13-1.53	y	48.1	37.5 - 62.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	47.8	37.5 - 62.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	48.2	37.5 - 62.5

Analyst: [signature] Date: 12/2/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:4 Analysis Date: 2-DEC-20 10:21:08

	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	3.18	2.66-3.60	y	97.0	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	94.9	50.0 - 145
13C-PCB-4	M/M+2	1.58	1.33-1.79	y	96.9	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	98.5	50.0 - 145
13C-PCB-19	M/M+2	1.05	0.88-1.20	y	101	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	94.6	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	98.9	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	96.8	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	96.5	50.0 - 145
13C-PCB-104	M+2/M+4	1.62	1.32-1.78	y	99.7	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	99.7	50.0 - 145
13C-PCB-114	M+2/M+4	1.57	1.32-1.78	y	97.9	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	98.7	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	99.9	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	98.3	50.0 - 145
13C-PCB-155	M+2/M+4	1.26	1.05-1.43	y	100	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	100	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	97.8	50.0 - 145
13C-PCB-167	M+2/M+4	1.26	1.05-1.43	y	98.0	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	101	50.0 - 145
13C-PCB-188	M+2/M+4	1.04	0.89-1.21	y	104	50.0 - 145
13C-PCB-189	M+2/M+4	1.03	0.89-1.21	y	101	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	102	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	92.0	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	95.8	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	94.6	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	94.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.07	0.88-1.20	y	99.3	65.0 - 135
13C-PCB-111	M+2/M+4	1.58	1.32-1.78	y	98.7	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125

Analyst: _____ Date: 12/8/20

FAL ID: ST120220Z3 Filename: 02DEC20Z Sam:4 Acquired: 2-DEC-20 10:21:08 ICal: 1668PCBFAL4-12-2-20
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	5.07e+07	3.14 y	14:32	1.19	47.2		2.50	-	-	*	-
13C-PCB-1	9.01e+07	3.18 y	14:31	1.01	97.0		2.50				97.0
PCB-3	5.25e+07	3.11 y	16:58	1.22	48.2		2.50	-	-	*	-
13C-PCB-3	8.91e+07	3.23 y	16:57	1.02	94.9		2.50				94.9
PCB-4	3.58e+07	1.56 y	18:13	1.20	46.6		2.50	-	-	*	-
13C-PCB-4	6.38e+07	1.58 y	18:12	0.72	96.9		2.50				96.9
PCB-15	5.06e+07	1.57 y	23:44	1.17	46.0		2.50	-	-	*	-
13C-PCB-15	9.41e+07	1.59 y	23:43	1.04	98.5		2.50				98.5
PCB-19	2.88e+07	1.06 y	22:06	1.23	46.0		2.50	-	-	*	-
13C-PCB-19	5.10e+07	1.05 y	22:05	0.55	101		2.50				101
13C-PCB-9	9.19e+07	1.59 y	19:52	-	85.2		2.50				
PCB-37	4.17e+07	1.06 y	30:23	1.17	48.0		2.50	-	-	*	-
13C-PCB-37	7.40e+07	1.07 y	30:22	1.64	94.6		2.50				94.6
PCB-54	3.78e+07	0.79 y	25:39	1.23	48.7		2.50	-	-	*	-
13C-PCB-54	6.31e+07	0.80 y	25:36	1.33	98.9		2.50				98.9
PCB-104	2.80e+07	1.53 y	30:04	1.12	48.1		2.50	-	-	*	-
13C-PCB-104	5.18e+07	1.62 y	30:03	1.09	99.7		2.50				99.7
13C-PCB-28	8.26e+07	1.07 y	26:41	1.74	99.3		2.50				99.3
13C-PCB-52	4.78e+07	0.79 y	28:57	-	86.7		2.50				
PCB-81	3.29e+07	0.79 y	36:09	1.20	47.3		2.50	-	-	*	-
13C-PCB-81	5.81e+07	0.80 y	36:08	1.50	96.5		2.50				96.5
PCB-77	3.27e+07	0.79 y	36:42	1.15	47.4		2.50	-	-	*	-
13C-PCB-77	6.00e+07	0.81 y	36:41	1.54	96.8		2.50				96.8
PCB-155	2.79e+07	1.26 y	34:14	1.07	47.9		2.50	-	-	*	-
13C-PCB-155	5.46e+07	1.26 y	34:13	1.35	100		2.50				100
13C-PCB-111	5.05e+07	1.58 y	36:17	1.27	98.7		2.50				98.7
13C-PCB-101	4.02e+07	1.59 y	34:38	-	85.5		2.50				
PCB-123	2.84e+07	1.55 y	38:21	1.14	47.6		2.50	-	-	*	-
13C-PCB-123	5.23e+07	1.58 y	38:19	1.34	99.9		2.50				99.9
PCB-118	3.00e+07	1.56 y	38:31	1.15	47.0		2.50	-	-	*	-
13C-PCB-118	5.55e+07	1.60 y	38:31	1.44	98.7		2.50				98.7
PCB-114	2.85e+07	1.58 y	39:09	1.13	47.4		2.50	-	-	*	-
13C-PCB-114	5.31e+07	1.57 y	39:07	1.39	97.9		2.50				97.9
PCB-105	2.80e+07	1.57 y	39:58	1.12	46.8		2.50	-	-	*	-
13C-PCB-105	5.34e+07	1.61 y	39:56	1.38	99.7		2.50				99.7
PCB-126	2.69e+07	1.59 y	42:05	1.12	47.0		2.50	-	-	*	-
13C-PCB-126	5.09e+07	1.59 y	42:03	1.33	98.3		2.50				98.3
PCB-167	2.55e+07	1.24 y	43:27	1.14	47.3		2.50	-	-	*	-
13C-PCB-167	4.72e+07	1.26 y	43:25	1.23	98.0		2.50				98.0
PCB-156	2.58e+07	1.25 y	44:41	1.16	46.8		2.50	-	-	*	-
13C-PCB-156	4.77e+07	1.29 y	44:39	1.22	100		2.50				100
PCB-157	2.56e+07	1.27 y	44:56	1.15	46.5		2.50	-	-	*	-
13C-PCB-157	4.81e+07	1.30 y	44:54	1.26	97.8		2.50				97.8
PCB-169	2.55e+07	1.24 y	46:48	1.13	47.4		2.50	-	-	*	-
13C-PCB-169	4.77e+07	1.29 y	46:46	1.22	101		2.50				101
PCB-188	2.51e+07	1.06 y	39:45	1.12	45.8		2.50	-	-	*	-
13C-PCB-188	4.90e+07	1.04 y	39:43	1.21	104		2.50				104
PCB-189	2.19e+07	1.04 y	48:27	1.10	46.7		2.50	-	-	*	-
13C-PCB-189	4.26e+07	1.03 y	48:27	1.08	101		2.50				101
PCB-202	2.18e+07	0.90 y	44:51	1.06	47.1		2.50	-	-	*	-
13C-PCB-202	4.39e+07	0.92 y	44:49	1.10	102		2.50				102
13C-PCB-178	3.42e+07	1.06 y	42:21	0.86	103		2.50				103
13C-PCB-138	3.90e+07	1.27 y	41:33	-	83.7		2.50				

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

PCB-205	2.16e+07	0.92 y	50:06	1.22	46.7	2.50	-	-	*	-
13C-PCB-205	3.80e+07	0.89 y	50:06	1.31	92.0	2.50				92.0
PCB-208	2.09e+07	1.36 y	49:10	1.04	47.8	2.50	-	-	*	-
13C-PCB-208	4.23e+07	0.80 y	49:09	1.42	94.6	2.50				94.6
PCB-206	1.58e+07	1.37 y	51:18	1.05	48.1	2.50	-	-	*	-
13C-PCB-206	3.12e+07	0.80 y	51:16	1.03	95.8	2.50				95.8
PCB-209	2.03e+07	1.19 y	52:29	1.15	48.2	2.50	-	-	*	-
13C-PCB-209	3.66e+07	1.20 y	52:28	1.23	94.4	2.50				94.4
13C-PCB-194	3.15e+07	0.92 y	49:50	-	90.0	2.50				

Analyst: d Date: 12/2/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:8 Analysis Date: 2-DEC-20 14:14:33

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.14	2.66-3.60	y	49.8	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	49.0	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	47.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	52.1	37.5 - 62.5
PCB-19	M/M+2	1.05	0.88-1.20	y	48.4	37.5 - 62.5
PCB-37	M/M+2	1.03	0.88-1.20	y	52.8	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	103	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	98.6	75.0 - 125
PCB-81	M/M+2	0.78	0.65-0.89	y	106	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	99.0	75.0 - 125
PCB-105	M+2/M+4	1.59	1.32-1.78	y	109	75.0 - 125
PCB-114	M+2/M+4	1.53	1.32-1.78	y	108	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	200	150 - 250
PCB-123	M+2/M+4	1.48	1.32-1.78	y	94.8	75.0 - 125
PCB-126	M+2/M+4	1.56	1.32-1.78	y	103	75.0 - 125
PCB-155	M+2/M+4	1.25	1.05-1.43	y	96.7	75.0 - 125
PCB-156	M+2/M+4	1.24	1.05-1.43	y	108	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	105	75.0 - 125
PCB-167	M+2/M+4	1.22	1.05-1.43	y	103	75.0 - 125
PCB-169	M+2/M+4	1.31	1.05-1.43	y	101	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	99.7	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	98.0	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	149	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	146	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	154	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	147	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	152	112.5 - 187.5

Analyst: _____ Date: 12/3/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:8 Analysis Date: 2-DEC-20 14:14:33

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	87.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	90.6	50.0 - 145
13C-PCB-4	M/M+2	1.58	1.33-1.79	y	95.9	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	95.9	50.0 - 145
13C-PCB-19	M/M+2	1.05	0.88-1.20	y	97.8	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	90.9	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	92.7	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	95.0	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	95.1	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	95.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	93.4	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	94.5	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	92.4	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	93.9	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	90.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.25	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	89.5	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	89.1	50.0 - 145
13C-PCB-167	M+2/M+4	1.33	1.05-1.43	y	91.0	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	89.3	50.0 - 145
13C-PCB-188	M+2/M+4	1.04	0.89-1.21	y	92.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	91.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.89	0.76-1.02	y	81.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	96.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	94.0	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	96.1	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	97.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.05	0.88-1.20	y	98.2	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	97.0	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	99.6	75.0 - 125

Analyst: [signature] Date: 12/3/20

FAL ID: ST12022026 Filename: 02DEC20Z Sam:8 Acquired: 2-DEC-20 14:14:33 ICal: 1668PCBFAL4-12-2-20
Client ID: CS20998 200406A ConCal: ST12022026 EndCal: ST12022027
Results: 1668PCBFAL4-1 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.59e+07	3.14 y	14:32	1.19	49.8		2.50	-	-	*	-
13C-PCB-1	7.73e+07	3.20 y	14:31	1.01	87.9		2.50				87.9
PCB-3	4.81e+07	3.21 y	16:58	1.22	49.0		2.50	-	-	*	-
13C-PCB-3	8.04e+07	3.23 y	16:57	1.02	90.6		2.50				90.6
PCB-4	3.44e+07	1.48 y	18:13	1.20	47.8		2.50	-	-	*	-
13C-PCB-4	5.97e+07	1.58 y	18:11	0.72	95.9		2.50				95.9
PCB-15	5.28e+07	1.52 y	23:44	1.17	52.1		2.50	-	-	*	-
13C-PCB-15	8.67e+07	1.59 y	23:43	1.04	95.9		2.50				95.9
PCB-19	2.78e+07	1.05 y	22:06	1.23	48.4		2.50	-	-	*	-
13C-PCB-19	4.69e+07	1.05 y	22:05	0.55	97.8		2.50				97.8
13C-PCB-9	8.68e+07	1.58 y	19:52	-	80.6		2.50				
PCB-37	4.22e+07	1.03 y	30:23	1.17	52.8		2.50	-	-	*	-
13C-PCB-37	6.80e+07	1.07 y	30:22	1.64	90.9		2.50				90.9
PCB-54	7.21e+07	0.79 y	25:38	1.23	103		2.50	-	-	*	-
13C-PCB-54	5.67e+07	0.80 y	25:36	1.33	92.7		2.50				92.7
PCB-104	5.31e+07	1.55 y	30:04	1.12	99.0		2.50	-	-	*	-
13C-PCB-104	4.77e+07	1.59 y	30:03	1.09	95.9		2.50				95.9
13C-PCB-28	7.82e+07	1.05 y	26:41	1.74	98.2		2.50				98.2
13C-PCB-52	4.58e+07	0.80 y	28:57	-	83.0		2.50				
PCB-81	7.05e+07	0.78 y	36:09	1.20	106		2.50	-	-	*	-
13C-PCB-81	5.55e+07	0.80 y	36:08	1.50	95.1		2.50				95.1
PCB-77	6.47e+07	0.79 y	36:42	1.15	98.6		2.50	-	-	*	-
13C-PCB-77	5.71e+07	0.80 y	36:41	1.54	95.0		2.50				95.0
PCB-155	5.11e+07	1.25 y	34:14	1.07	96.7		2.50	-	-	*	-
13C-PCB-155	4.96e+07	1.25 y	34:12	1.35	93.9		2.50				93.9
13C-PCB-111	4.82e+07	1.59 y	36:17	1.27	97.0		2.50				97.0
13C-PCB-101	3.90e+07	1.57 y	34:38	-	82.9		2.50				
PCB-123	5.21e+07	1.48 y	38:21	1.14	94.8		2.50	-	-	*	-
13C-PCB-123	4.82e+07	1.58 y	38:19	1.34	93.9		2.50				93.9
PCB-118	1.17e+08	1.55 y	38:32	1.15	200		2.50	-	-	*	-
13C-PCB-118	5.10e+07	1.60 y	38:31	1.44	92.4		2.50				92.4
PCB-114	6.11e+07	1.53 y	39:09	1.13	108		2.50	-	-	*	-
13C-PCB-114	5.03e+07	1.60 y	39:07	1.39	94.5		2.50				94.5
PCB-105	5.96e+07	1.59 y	39:58	1.12	109		2.50	-	-	*	-
13C-PCB-105	4.91e+07	1.60 y	39:56	1.38	93.4		2.50				93.4
PCB-126	5.30e+07	1.56 y	42:05	1.12	103		2.50	-	-	*	-
13C-PCB-126	4.59e+07	1.59 y	42:03	1.33	90.5		2.50				90.5
PCB-167	5.03e+07	1.22 y	43:27	1.14	103		2.50	-	-	*	-
13C-PCB-167	4.29e+07	1.33 y	43:25	1.23	91.0		2.50				91.0
PCB-156	5.22e+07	1.24 y	44:41	1.16	108		2.50	-	-	*	-
13C-PCB-156	4.17e+07	1.27 y	44:39	1.22	89.5		2.50				89.5
PCB-157	5.16e+07	1.26 y	44:56	1.15	105		2.50	-	-	*	-
13C-PCB-157	4.29e+07	1.27 y	44:54	1.26	89.1		2.50				89.1
PCB-169	4.73e+07	1.31 y	46:48	1.13	101		2.50	-	-	*	-
13C-PCB-169	4.15e+07	1.30 y	46:46	1.22	89.3		2.50				89.3
PCB-188	4.79e+07	1.06 y	39:45	1.12	99.7		2.50	-	-	*	-
13C-PCB-188	4.28e+07	1.04 y	39:43	1.21	92.5		2.50				92.5
PCB-189	4.11e+07	1.04 y	48:27	1.10	98.0		2.50	-	-	*	-
13C-PCB-189	3.80e+07	1.06 y	48:27	1.08	91.9		2.50				91.9
PCB-202	5.44e+07	0.91 y	44:51	1.06	149		2.50	-	-	*	-
13C-PCB-202	3.44e+07	0.89 y	44:49	1.10	81.9		2.50				81.9
13C-PCB-178	3.25e+07	1.06 y	42:21	0.86	99.6		2.50				99.6
13C-PCB-138	3.82e+07	1.28 y	41:33	-	82.1		2.50				

Client ID: CS20998 200406A ConCal: ST120220Z6 EndCal: ST120220Z7
Results: 1668PCBFAL4-¶ GC Column: DB1MS Amount: 1.000

PCB-205	6.52e+07	0.91 y	50:06	1.22	146	2.50	-	-	*	-
13C-PCB-205	3.68e+07	0.90 y	50:06	1.31	96.7	2.50				96.7
PCB-208	6.03e+07	1.33 y	49:10	1.04	147	2.50	-	-	*	-
13C-PCB-208	3.96e+07	0.80 y	49:09	1.42	96.1	2.50				96.1
PCB-206	4.58e+07	1.33 y	51:18	1.05	154	2.50	-	-	*	-
13C-PCB-206	2.82e+07	0.80 y	51:18	1.03	94.0	2.50				94.0
PCB-209	6.09e+07	1.20 y	52:28	1.15	152	2.50	-	-	*	-
13C-PCB-209	3.48e+07	1.20 y	52:28	1.23	97.5	2.50				97.5
13C-PCB-194	2.91e+07	0.91 y	49:50	-	83.0	2.50				

Analyst: _____ Date: 12/3/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:11 Analysis Date: 2-DEC-20 17:09:37

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.09	2.66-3.60	y	49.0	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	48.4	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	55.1	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	52.2	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	49.1	37.5 - 62.5
PCB-37	M/M+2	1.04	0.88-1.20	y	49.9	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	96.0	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	99.3	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	107	75.0 - 125
PCB-104	M+2/M+4	1.53	1.32-1.78	y	101	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	1.55	1.32-1.78	y	107	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	199	150 - 250
PCB-123	M+2/M+4	1.56	1.32-1.78	y	98.2	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	108	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	99.0	75.0 - 125
PCB-156	M+2/M+4	1.24	1.05-1.43	y	108	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.25	1.05-1.43	y	98.0	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.2	75.0 - 125
PCB-189	M+2/M+4	1.05	0.89-1.21	y	96.5	75.0 - 125
PCB-202	M+2/M+4	0.89	0.76-1.02	y	149	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	138	112.5 - 187.5
PCB-206	M+4/M+6	1.37	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	150	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: 12/3/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 02DEC20Z Sam:11 Analysis Date: 2-DEC-20 17:09:37

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.23	2.66-3.60	y	78.8	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	88.4	50.0 - 145
13C-PCB-4	M/M+2	1.58	1.33-1.79	y	72.8	50.0 - 145
13C-PCB-15	M/M+2	1.57	1.33-1.79	y	96.4	50.0 - 145
13C-PCB-19	M/M+2	1.07	0.88-1.20	y	98.0	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	89.9	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	91.7	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	94.6	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	93.8	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	97.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	92.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	92.1	50.0 - 145
13C-PCB-118	M+2/M+4	1.58	1.32-1.78	y	92.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.57	1.32-1.78	y	90.2	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	1.31	1.05-1.43	y	93.2	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	88.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	89.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	87.0	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-188	M+2/M+4	1.05	0.89-1.21	y	94.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.05	0.89-1.21	y	93.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	85.0	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	94.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	84.7	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	85.1	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	89.7	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	103	65.0 - 135
13C-PCB-111	M+2/M+4	1.60	1.32-1.78	y	96.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.04	0.89-1.21	y	101	75.0 - 125

Analyst: [illegible] Date: 12/3/20

FAL ID: ST12022OZ7 Filename: 02DEC20Z Sam:11 Acquired: 2-DEC-20 17:09:37 ICal: 1668PCBFAL4-12-2-20
Client ID: CS20999 200406A ConCal: ST12022OZ6 EndCal: ST12022OZ7
Results: 1668PCBFAL4-¶ GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.45e+07	3.09 y	14:32	1.19	49.0		2.50	-	-	*	-
13C-PCB-1	5.91e+07	3.23 y	14:31	1.01	78.8		2.50				78.8
PCB-3	3.96e+07	3.15 y	16:58	1.22	48.4		2.50	-	-	*	-
13C-PCB-3	6.70e+07	3.23 y	16:57	1.02	88.4		2.50				88.4
PCB-4	2.57e+07	1.52 y	18:13	1.20	55.1		2.50	-	-	*	-
13C-PCB-4	3.87e+07	1.58 y	18:11	0.72	72.8		2.50				72.8
PCB-15	4.54e+07	1.54 y	23:45	1.17	52.2		2.50	-	-	*	-
13C-PCB-15	7.44e+07	1.57 y	23:43	1.04	96.4		2.50				96.4
PCB-19	2.41e+07	1.06 y	22:06	1.23	49.1		2.50	-	-	*	-
13C-PCB-19	4.02e+07	1.07 y	22:04	0.55	98.0		2.50				98.0
13C-PCB-9	7.42e+07	1.62 y	19:52	-	68.8		2.50				
PCB-37	3.37e+07	1.04 y	30:23	1.17	49.9		2.50	-	-	*	-
13C-PCB-37	5.76e+07	1.07 y	30:22	1.64	89.9		2.50				89.9
PCB-54	5.66e+07	0.81 y	25:38	1.23	96.0		2.50	-	-	*	-
13C-PCB-54	4.79e+07	0.82 y	25:37	1.33	91.7		2.50				91.7
PCB-104	4.67e+07	1.53 y	30:05	1.12	101		2.50	-	-	*	-
13C-PCB-104	4.13e+07	1.58 y	30:04	1.09	97.0		2.50				97.0
13C-PCB-28	6.99e+07	1.06 y	26:42	1.74	103		2.50				103
13C-PCB-52	3.92e+07	0.79 y	28:57	-	71.0		2.50				
PCB-81	6.39e+07	0.79 y	36:09	1.20	107		2.50	-	-	*	-
13C-PCB-81	4.99e+07	0.79 y	36:08	1.50	93.8		2.50				93.8
PCB-77	5.91e+07	0.79 y	36:43	1.15	99.3		2.50	-	-	*	-
13C-PCB-77	5.18e+07	0.81 y	36:42	1.54	94.6		2.50				94.6
PCB-155	4.73e+07	1.27 y	34:14	1.07	99.0		2.50	-	-	*	-
13C-PCB-155	4.49e+07	1.31 y	34:13	1.35	93.2		2.50				93.2
13C-PCB-111	4.37e+07	1.60 y	36:18	1.27	96.5		2.50				96.5
13C-PCB-101	3.55e+07	1.60 y	34:39	-	75.5		2.50				
PCB-123	4.75e+07	1.56 y	38:22	1.14	98.2		2.50	-	-	*	-
13C-PCB-123	4.25e+07	1.57 y	38:20	1.34	90.2		2.50				90.2
PCB-118	1.07e+08	1.54 y	38:33	1.15	199		2.50	-	-	*	-
13C-PCB-118	4.66e+07	1.58 y	38:30	1.44	92.3		2.50				92.3
PCB-114	5.43e+07	1.55 y	39:09	1.13	107		2.50	-	-	*	-
13C-PCB-114	4.49e+07	1.61 y	39:08	1.39	92.1		2.50				92.1
PCB-105	5.47e+07	1.55 y	39:57	1.12	110		2.50	-	-	*	-
13C-PCB-105	4.45e+07	1.60 y	39:57	1.38	92.3		2.50				92.3
PCB-126	5.05e+07	1.59 y	42:05	1.12	108		2.50	-	-	*	-
13C-PCB-126	4.18e+07	1.58 y	42:04	1.33	89.8		2.50				89.8
PCB-167	4.38e+07	1.27 y	43:28	1.14	102		2.50	-	-	*	-
13C-PCB-167	3.76e+07	1.27 y	43:26	1.23	87.0		2.50				87.0
PCB-156	4.71e+07	1.24 y	44:40	1.16	108		2.50	-	-	*	-
13C-PCB-156	3.79e+07	1.27 y	44:40	1.22	88.6		2.50				88.6
PCB-157	4.61e+07	1.25 y	44:57	1.15	102		2.50	-	-	*	-
13C-PCB-157	3.95e+07	1.28 y	44:55	1.26	89.5		2.50				89.5
PCB-169	4.36e+07	1.25 y	46:47	1.13	98.0		2.50	-	-	*	-
13C-PCB-169	3.94e+07	1.26 y	46:47	1.22	92.4		2.50				92.4
PCB-188	4.44e+07	1.05 y	39:44	1.12	99.2		2.50	-	-	*	-
13C-PCB-188	4.00e+07	1.05 y	39:44	1.21	94.2		2.50				94.2
PCB-189	3.76e+07	1.05 y	48:27	1.10	96.5		2.50	-	-	*	-
13C-PCB-189	3.53e+07	1.05 y	48:26	1.08	93.3		2.50				93.3
PCB-202	5.15e+07	0.89 y	44:52	1.06	149		2.50	-	-	*	-
13C-PCB-202	3.28e+07	0.93 y	44:50	1.10	85.0		2.50				85.0
13C-PCB-178	3.03e+07	1.04 y	42:22	0.86	101		2.50				101
13C-PCB-138	3.50e+07	1.30 y	41:34	-	75.2		2.50				

Client ID: CS20999 200406A ConCal: ST120220Z6 EndCal: ST120220Z7
Results: 1668PCBFAL4-¶ GC Column: DB1MS Amount: 1.000

PCB-205	5.81e+07	0.90 y	50:06	1.22	138	2.50	-	-	*	-
13C-PCB-205	3.46e+07	0.91 y	50:05	1.31	94.2	2.50				94.2
PCB-208	5.26e+07	1.35 y	49:11	1.04	150	2.50	-	-	*	-
13C-PCB-208	3.39e+07	0.80 y	49:10	1.42	85.1	2.50				85.1
PCB-206	4.10e+07	1.37 y	51:18	1.05	159	2.50	-	-	*	-
13C-PCB-206	2.45e+07	0.80 y	51:17	1.03	84.7	2.50				84.7
PCB-209	5.41e+07	1.19 y	52:29	1.15	152	2.50	-	-	*	-
13C-PCB-209	3.10e+07	1.22 y	52:29	1.23	89.7	2.50				89.7
13C-PCB-194	2.81e+07	0.92 y	49:51	-	80.2	2.50				

Analyst: _____ Date: 12/3/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:02DEC20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

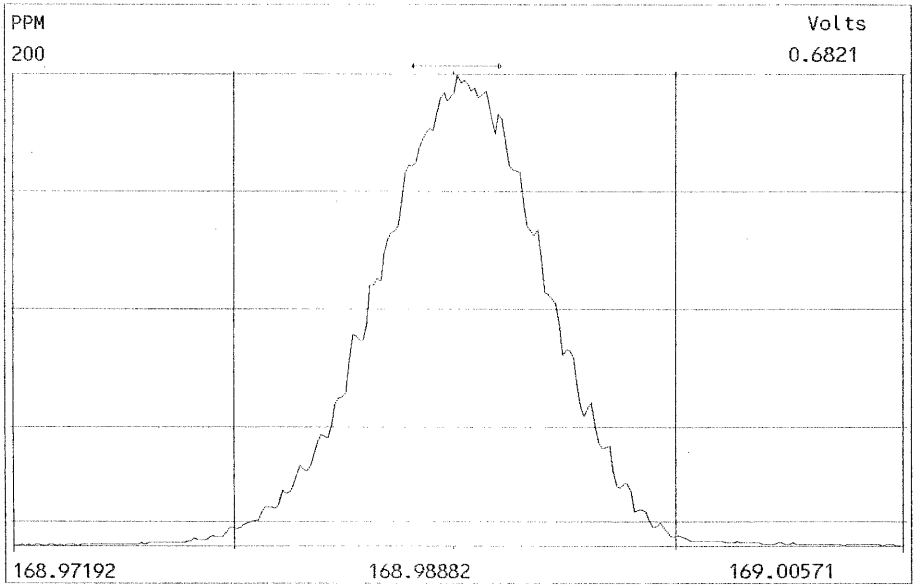
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
02DEC20Z	1	ST120220Z0	1668 CS099 R201029A	2-DEC-20 07:26:05	NA	NA	BS
02DEC20Z	2	ST120220Z1	1668 CS199 R170213A	2-DEC-20 08:24:25	NA	NA	BS
02DEC20Z	3	ST120220Z2	1668 CS299 R170213B	2-DEC-20 09:22:47	NA	NA	BS
02DEC20Z	4	ST120220Z3	1668 CS399 R190905A	2-DEC-20 10:21:08	NA	NA	BS
02DEC20Z	5	ST120220Z4	1668 CS499 R181022B	2-DEC-20 11:19:29	NA	NA	BS
02DEC20Z	6	ST120220Z5	1668 CS599 R201029B	2-DEC-20 12:17:50	NA	NA	BS
02DEC20Z	7	SB120220Z1	Solvent Blank	2-DEC-20 13:16:11	NA	NA	BS
02DEC20Z	8	ST120220Z6	CS20998 200406A	2-DEC-20 14:14:33	ST120220Z6	ST120220Z7	BS
02DEC20Z	9	SS120220Z1	2nd Source 201029A	2-DEC-20 15:12:54	ST120220Z6	ST120220Z7	BS
02DEC20Z	10	SB120220Z2	Solvent Blank	2-DEC-20 16:11:16	ST120220Z6	ST120220Z7	BS
02DEC20Z	11	ST120220Z7	CS20999 200406A	2-DEC-20 17:09:37	ST120220Z6	ST120220Z7	BS

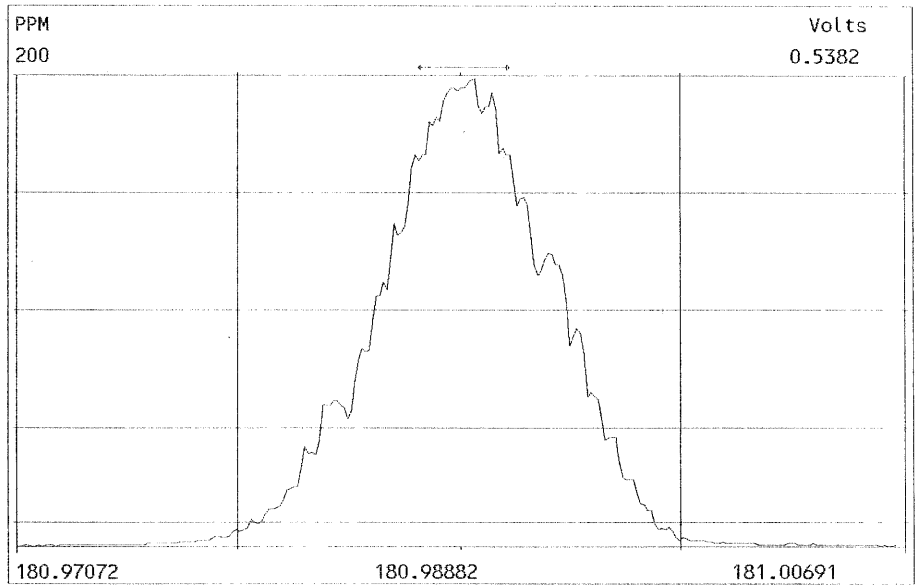
18/3/20

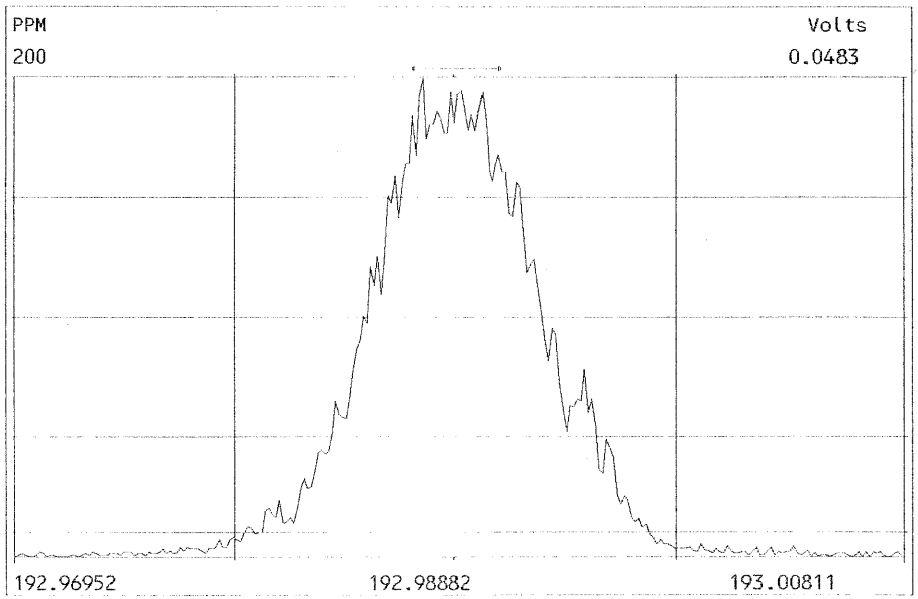
Data Backed Up:_____

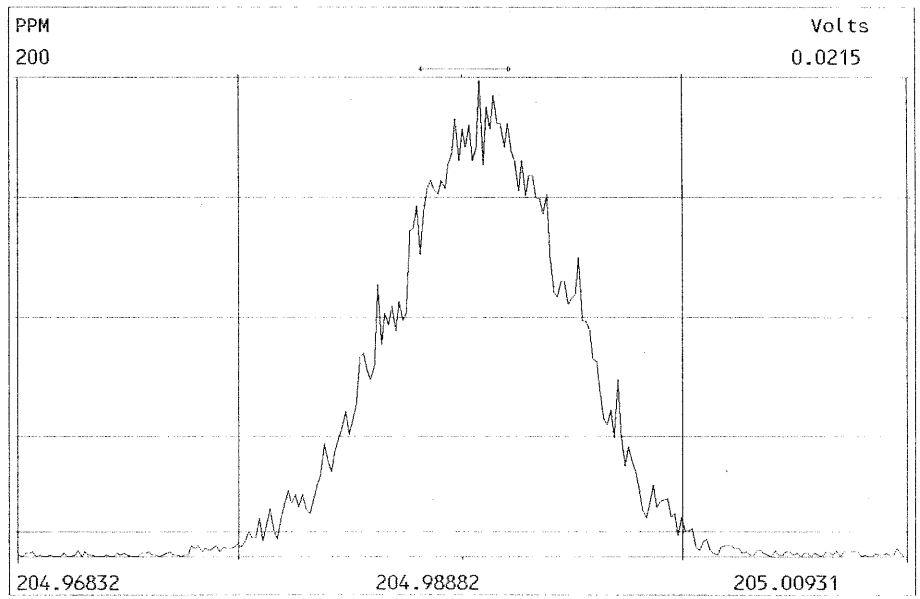
Date:_____

Peak Locate Examination: 2-DEC-2020:07:19 File:02DEC20Z
Experiment:1668PCB Function:1 Reference:PFK 99

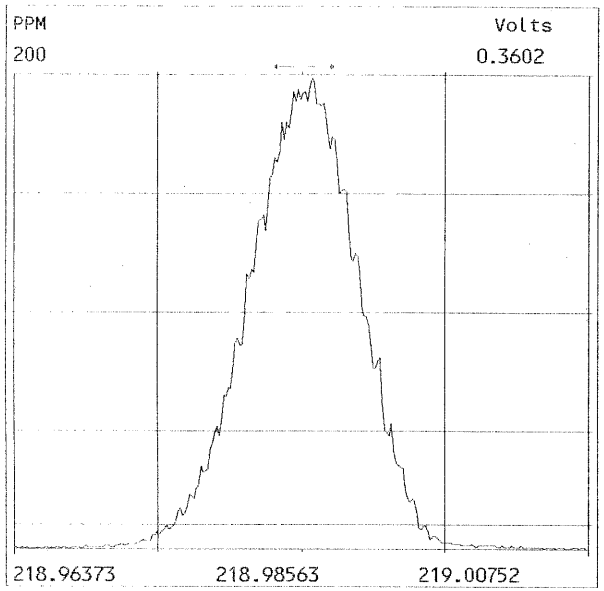


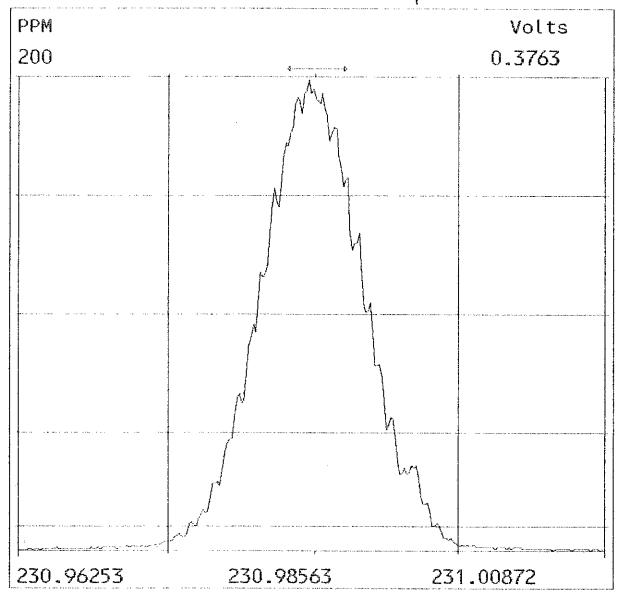


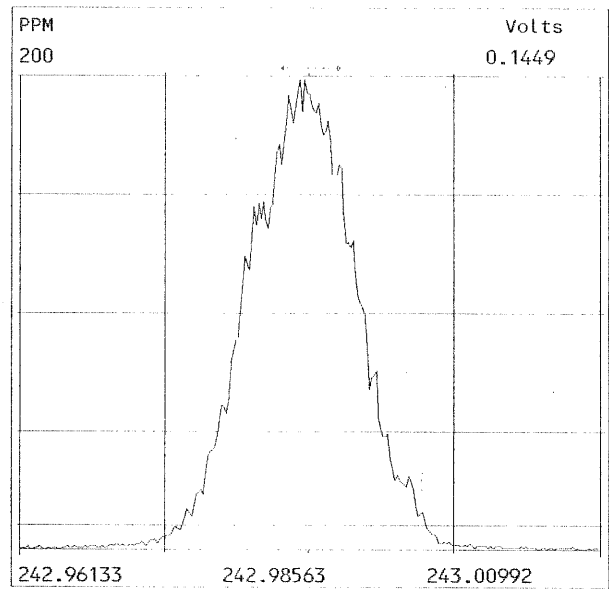


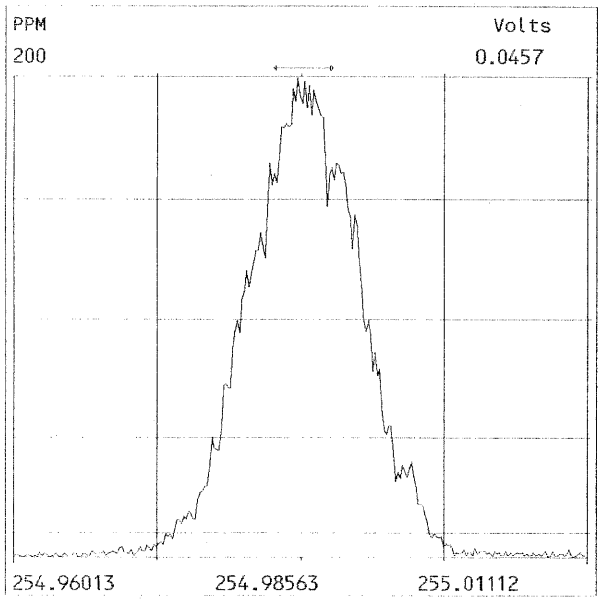


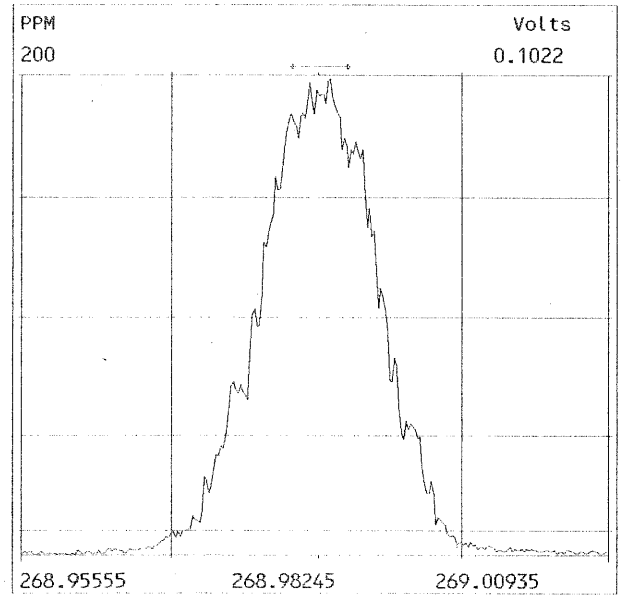
Peak Locate Examination: 2-DEC-2020:07:20 File:02DEC20Z
Experiment:1668PCB Function:2 Reference:PFK 99

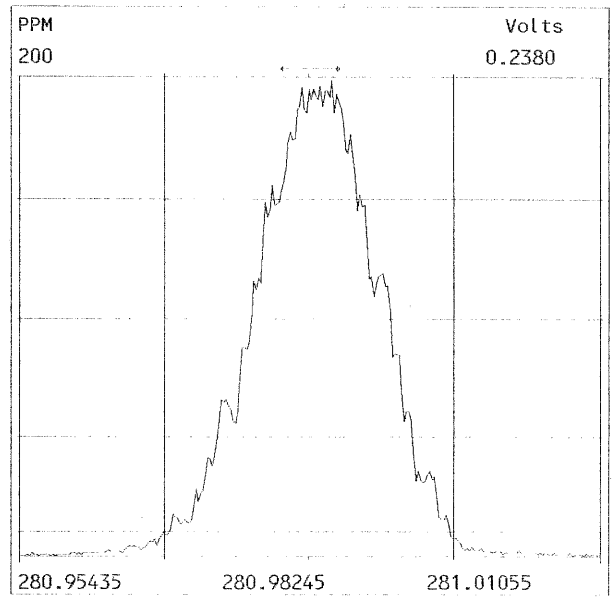




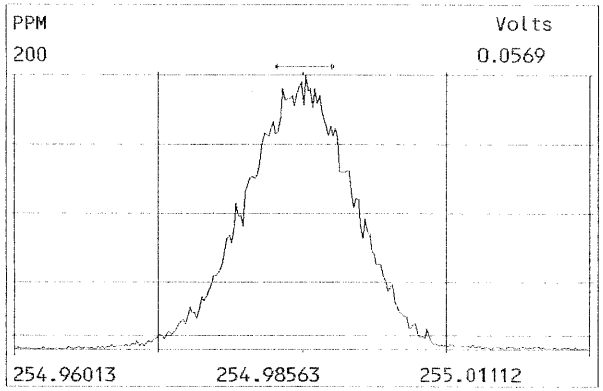


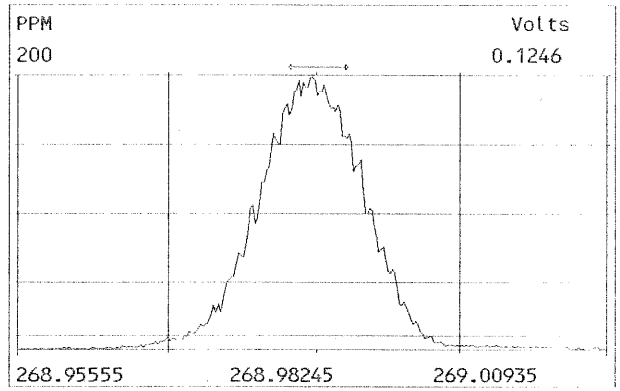


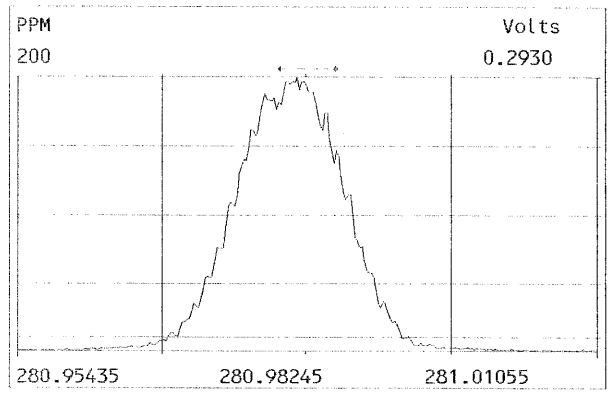


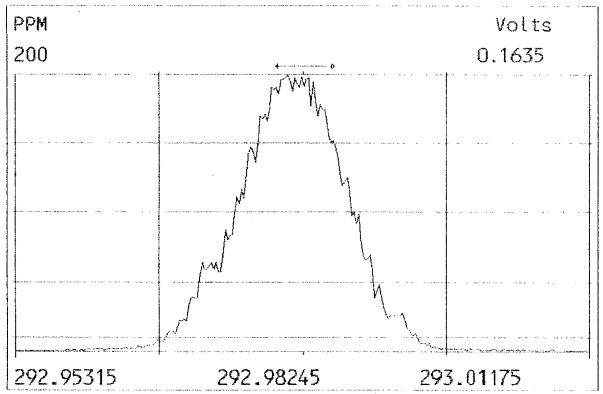


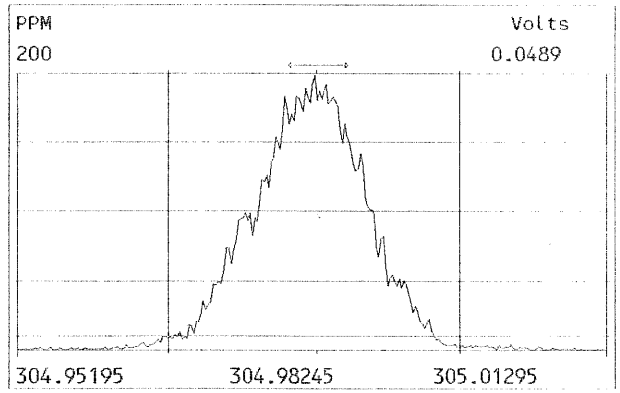
Peak Locate Examination: 2-DEC-2020:07:20 File:02DEC20Z
Experiment:1668PCB Function:3 Reference:PFK 99

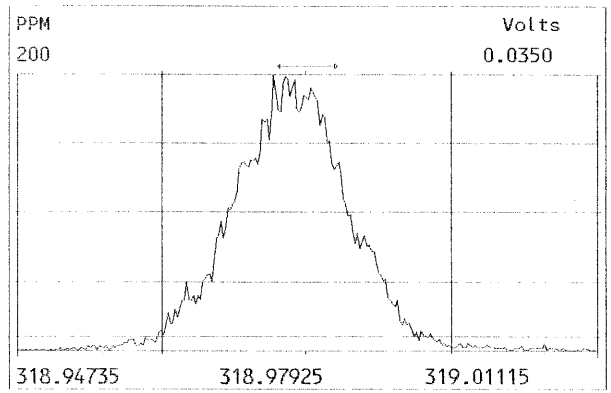


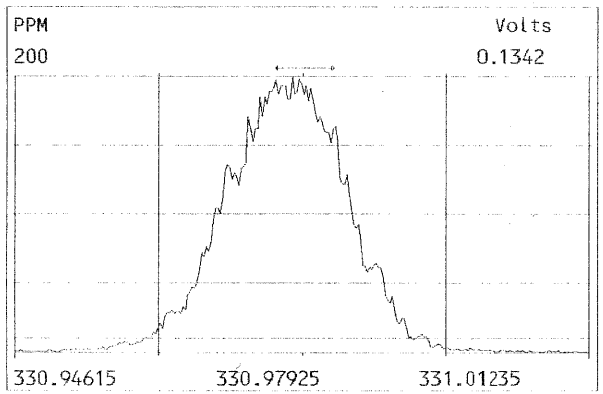


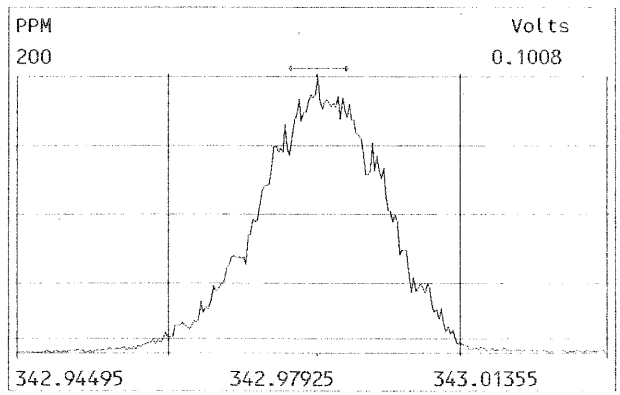






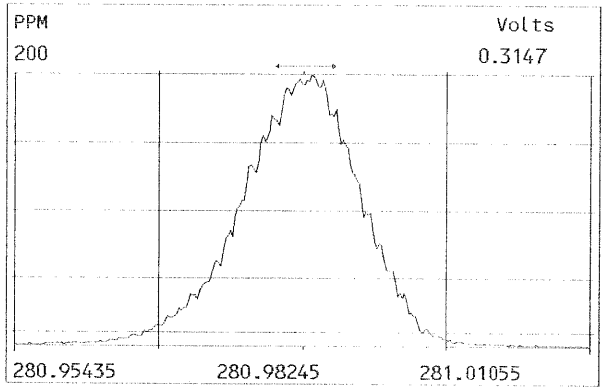


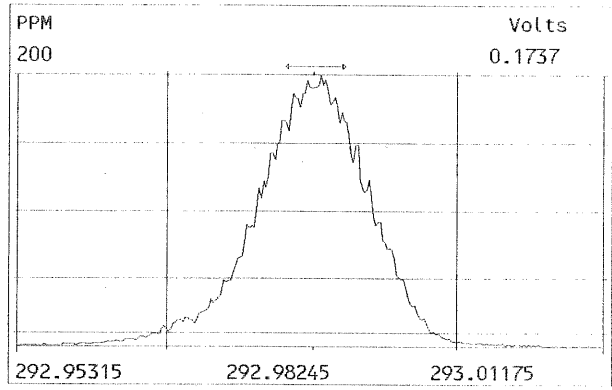


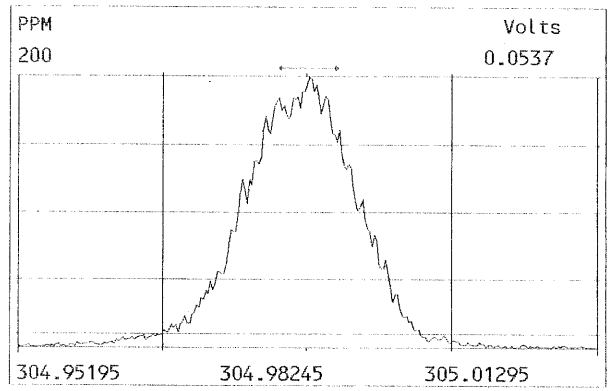


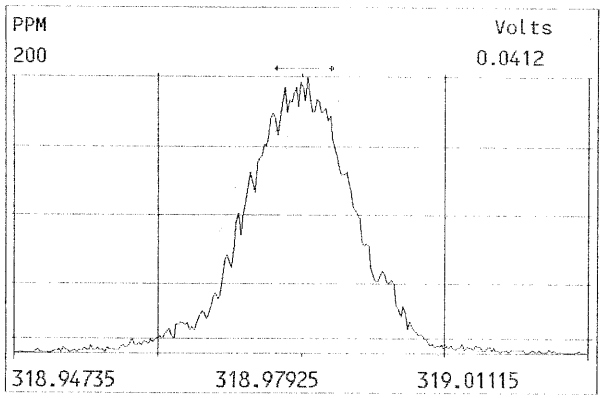
Peak Locate Examination: 2-DEC-2020:07:22 File:02DEC20Z

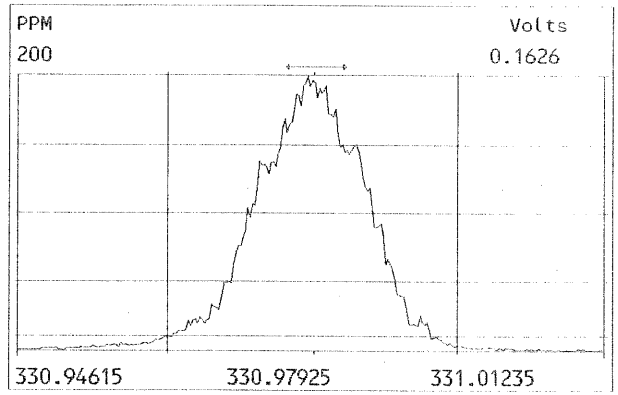
Experiment:1668PCB Function:4 Reference:PFK 99

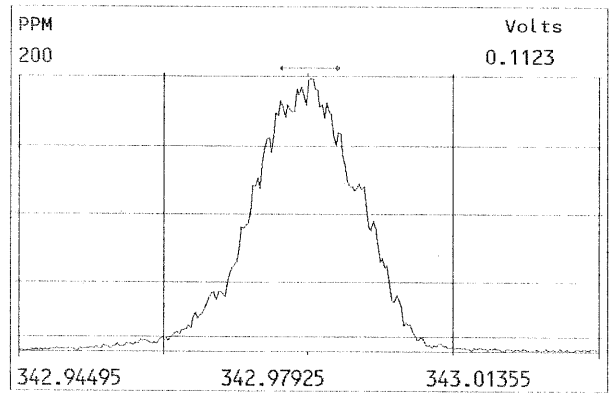


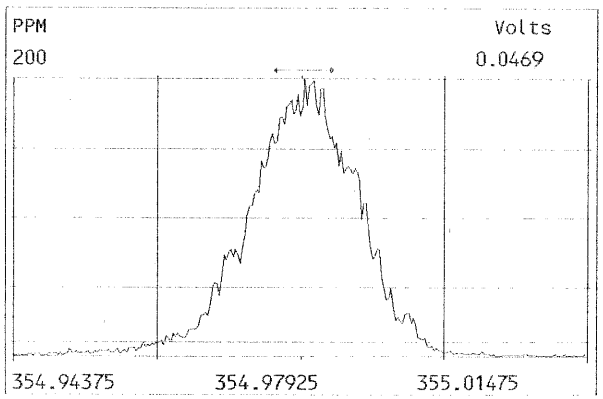


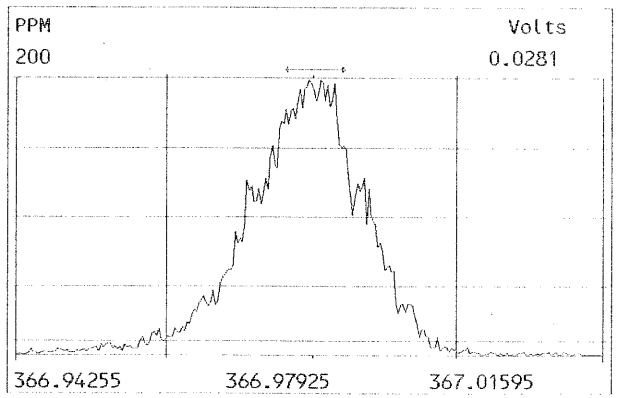


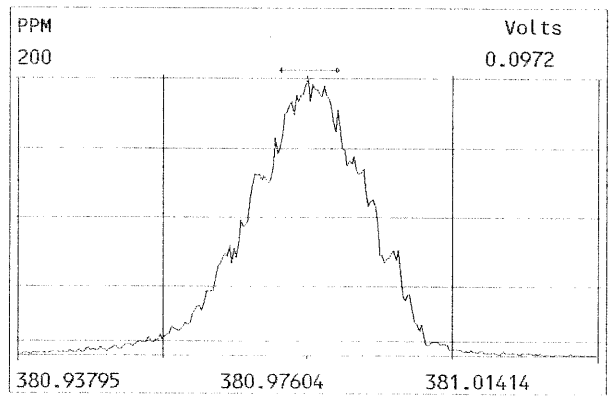




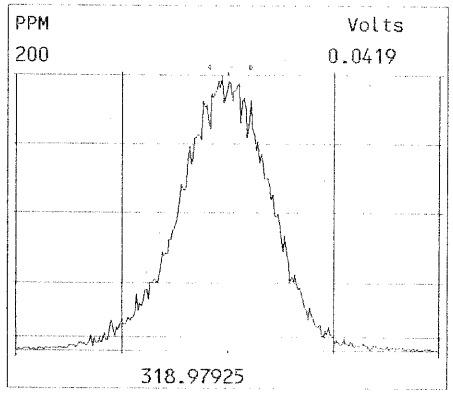


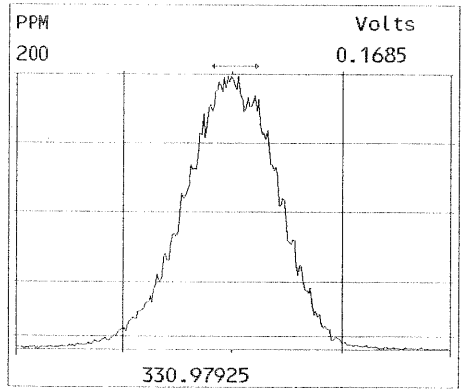


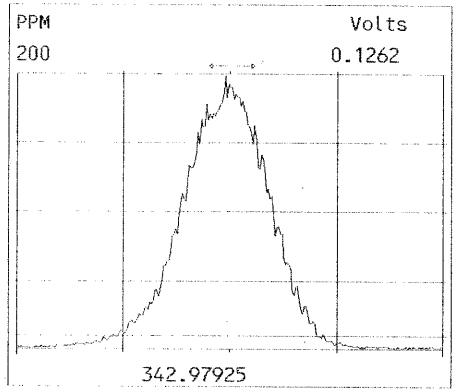


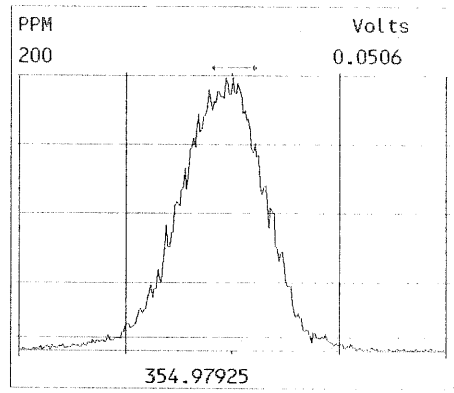


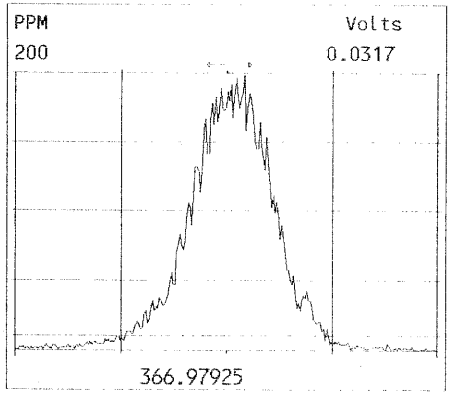
Peak Locate Examination: 2-DEC-2020:07:23 File:02DEC20Z
Experiment:1668PCB Function:5 Reference:PFK99

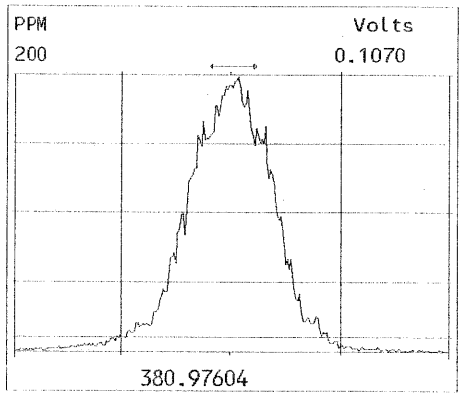


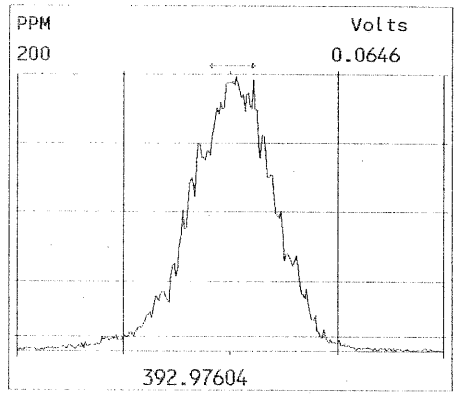


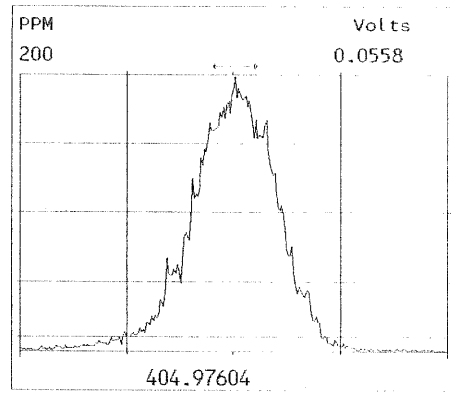


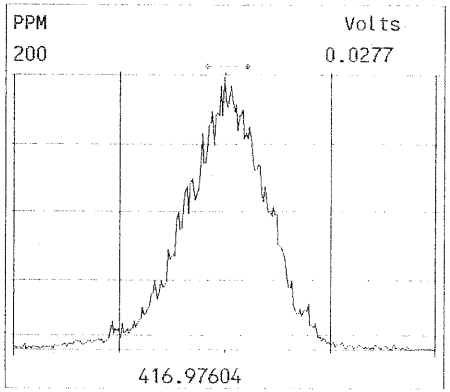


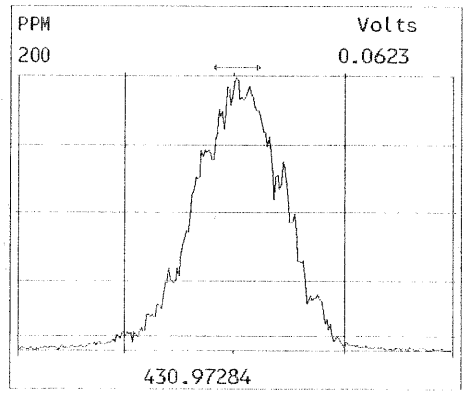


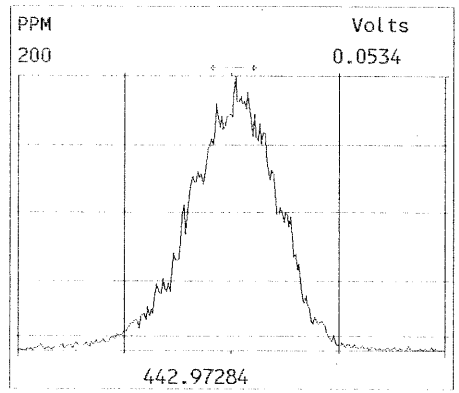






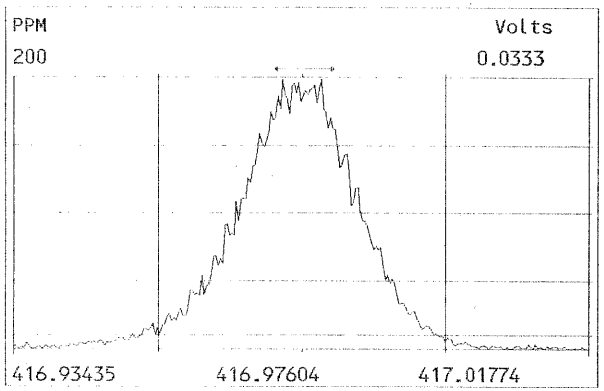


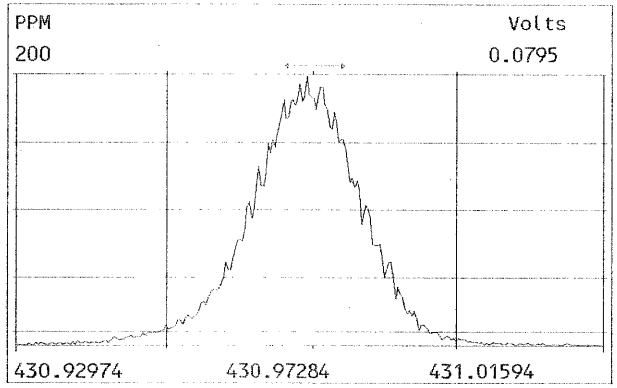


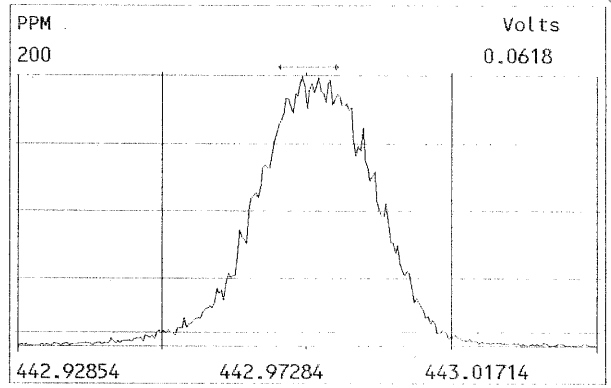


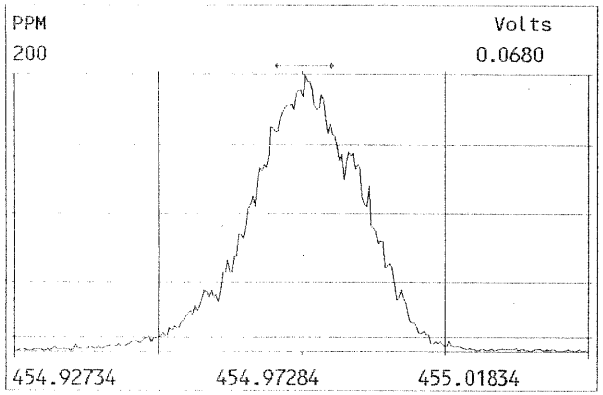
Peak Locate Examination: 2-DEC-2020:07:24 File:02DEC20Z

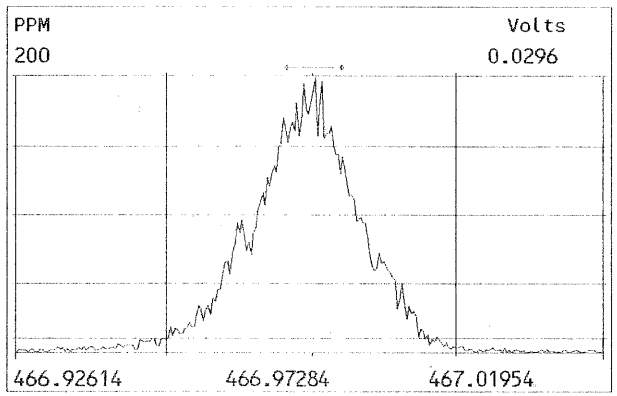
Experiment:1668PCB Function:6 Reference:PFK99

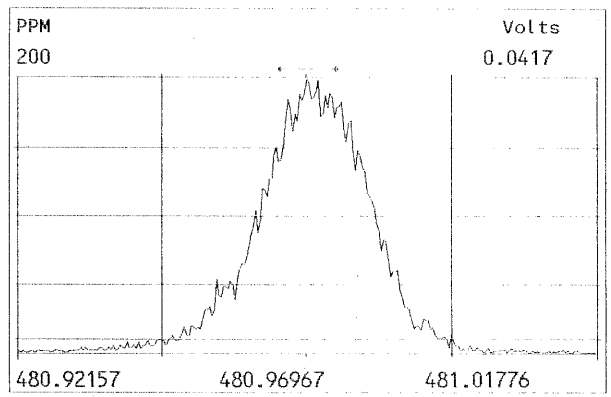


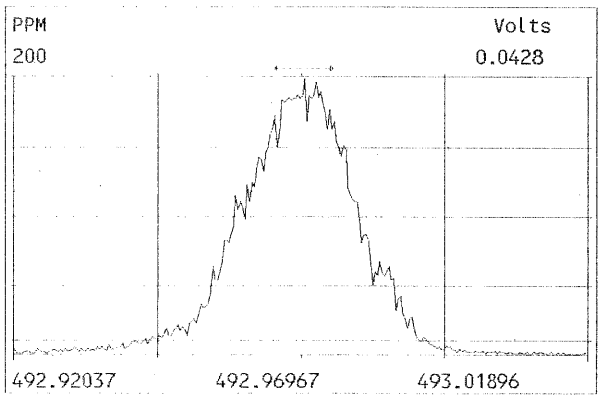


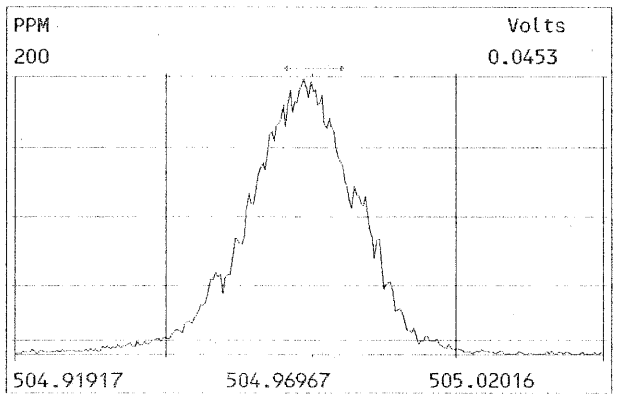


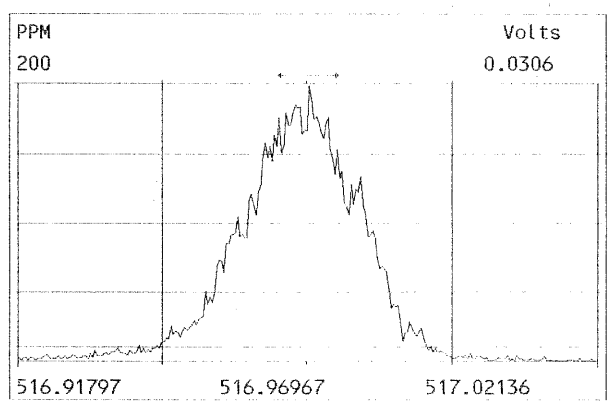




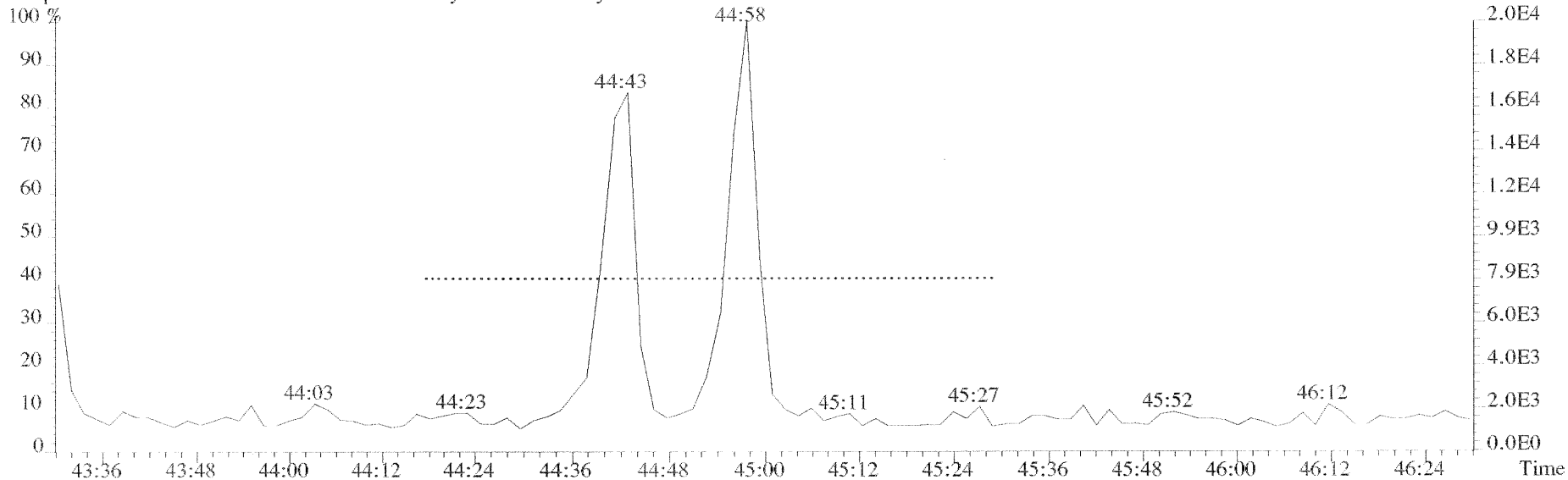








File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
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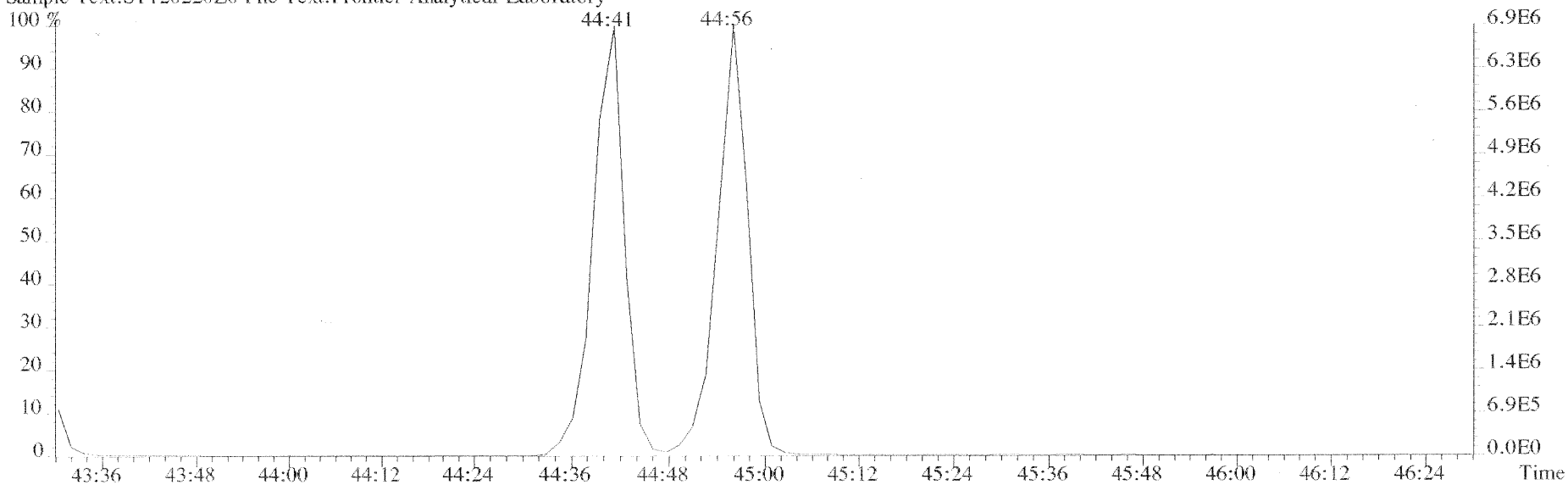
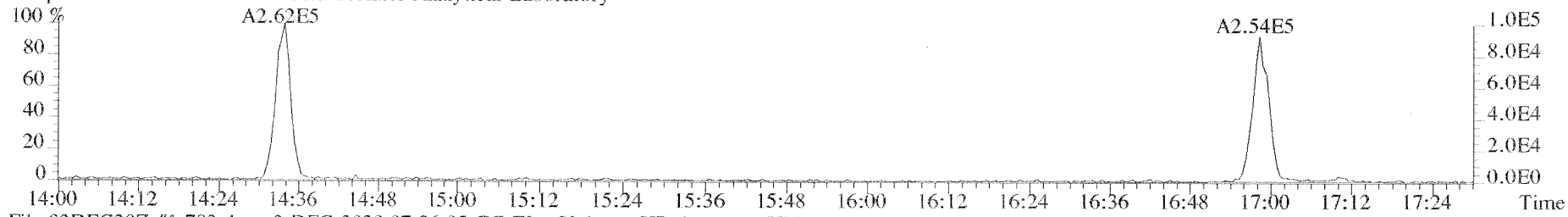
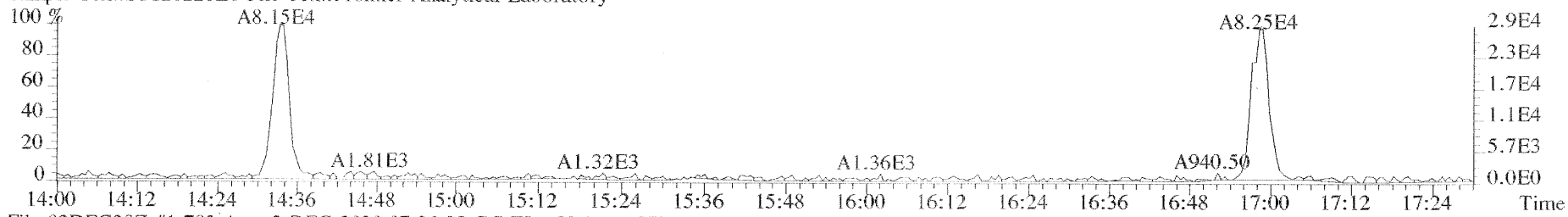


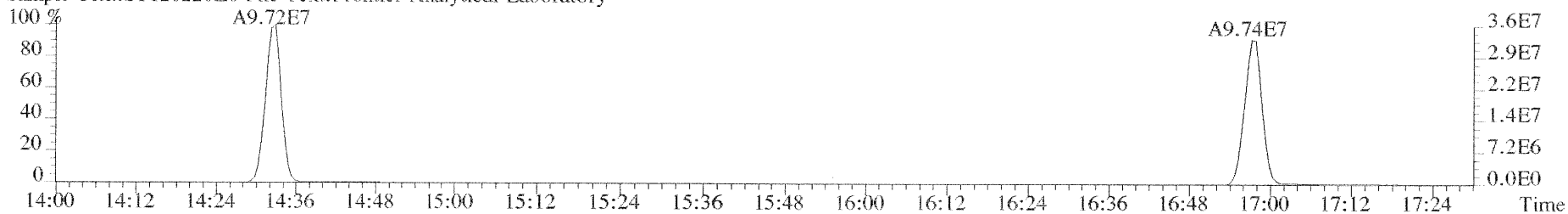
File:02DEC20Z #1-783 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



File:02DEC20Z #1-783 Acq: 2-DEC-2020 07:26:05 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:ST120220Z0 File Text:Frontier Analytical Laboratory



File:02DEC20Z #1-783 Acq: 2-DEC-2020 07:26:05 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:ST120220Z0 File Text:Frontier Analytical Laboratory



File:02DEC20Z #1-783 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
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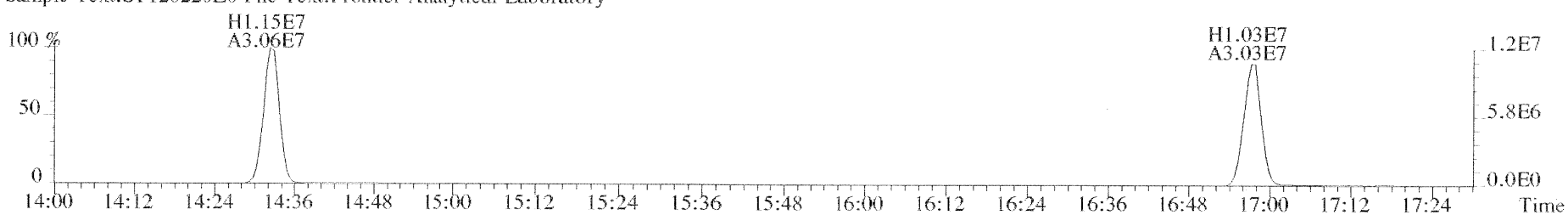
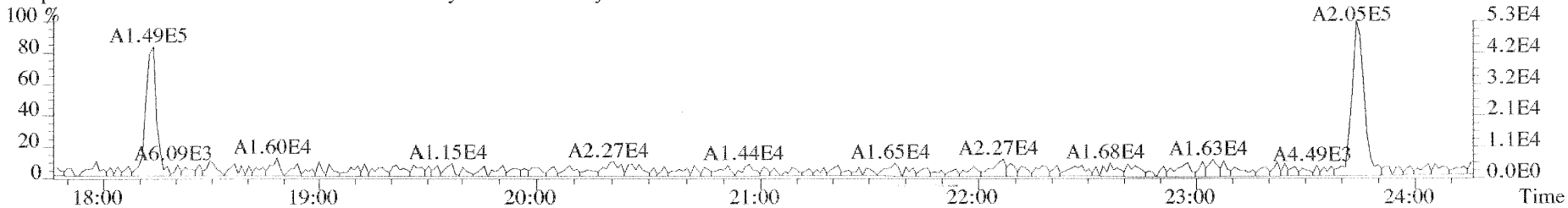
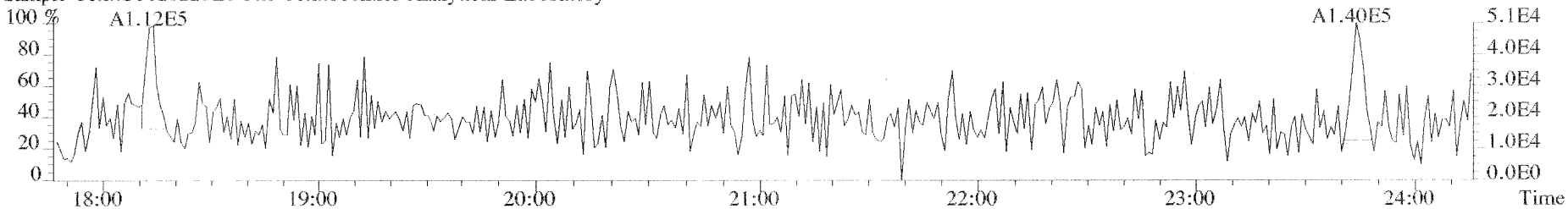
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



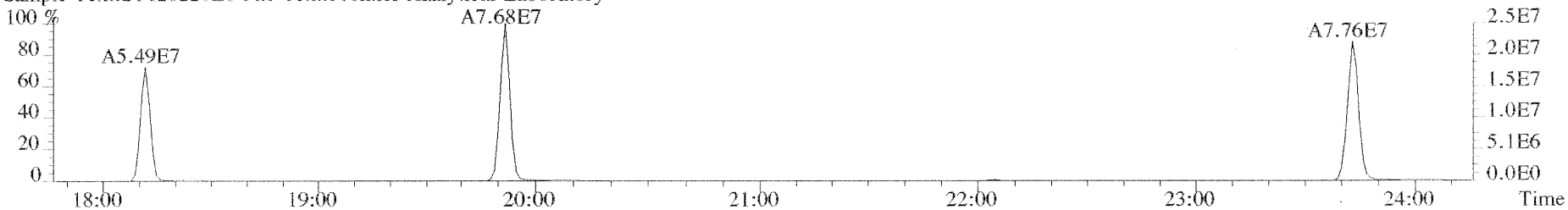
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



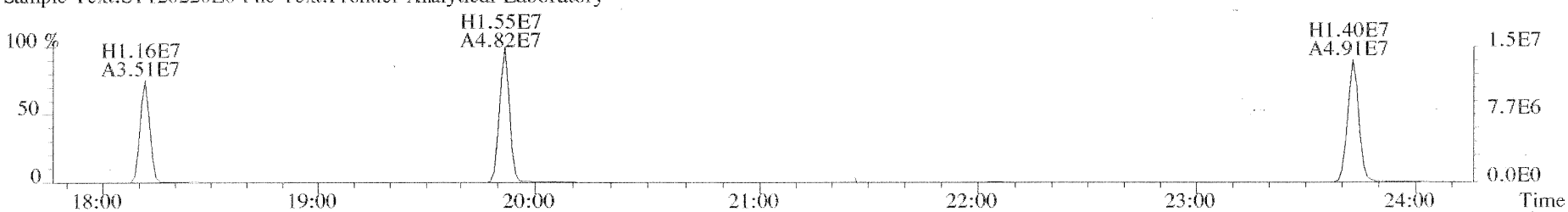
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



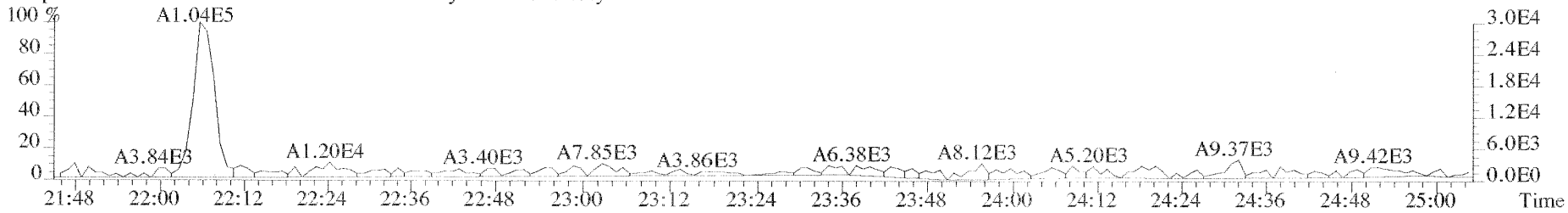
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



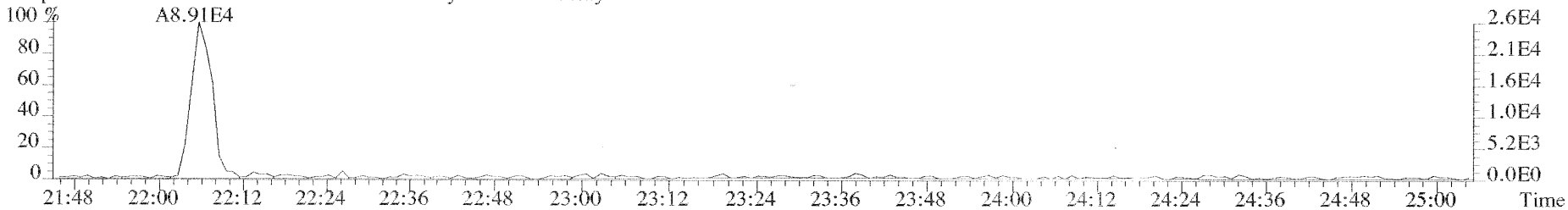
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



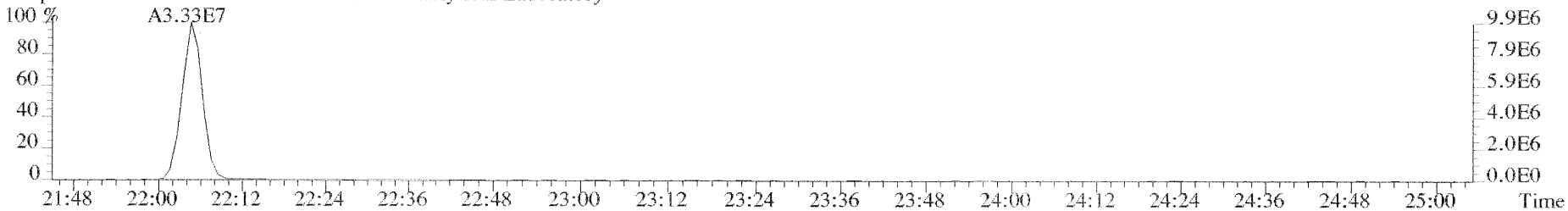
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



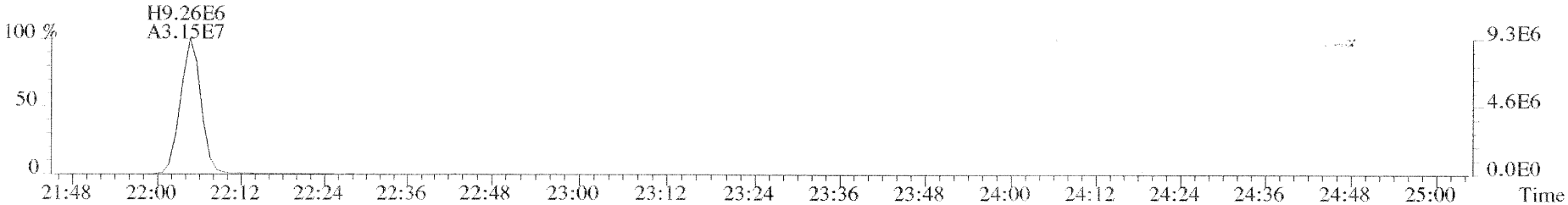
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



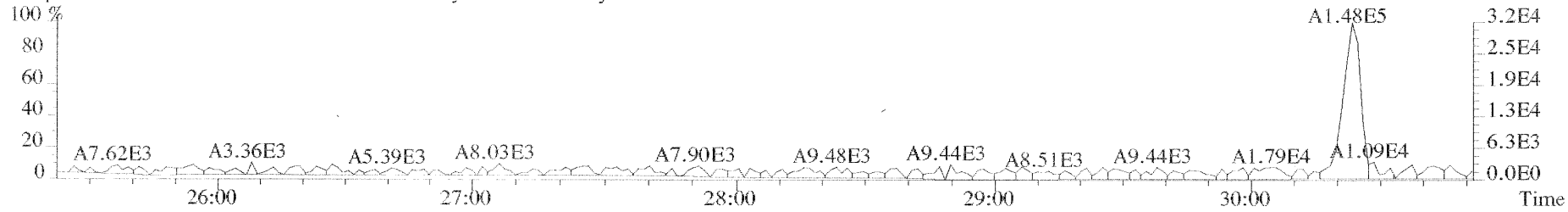
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



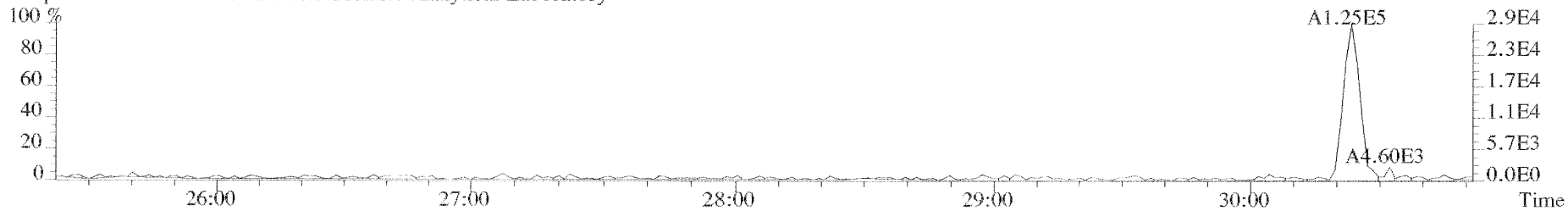
File:02DEC20Z #1-467 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



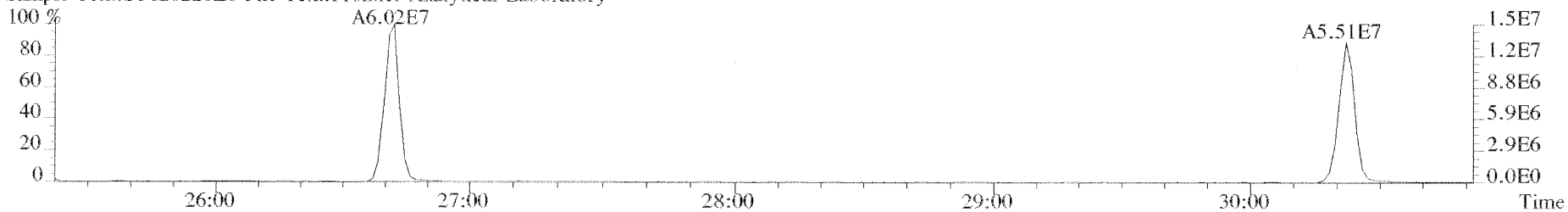
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



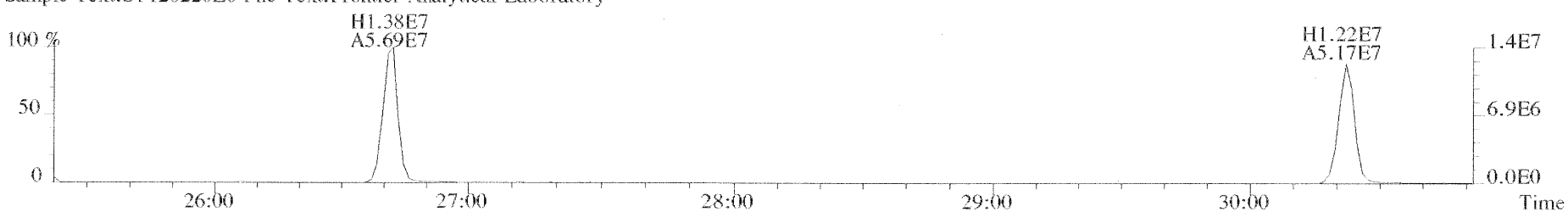
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



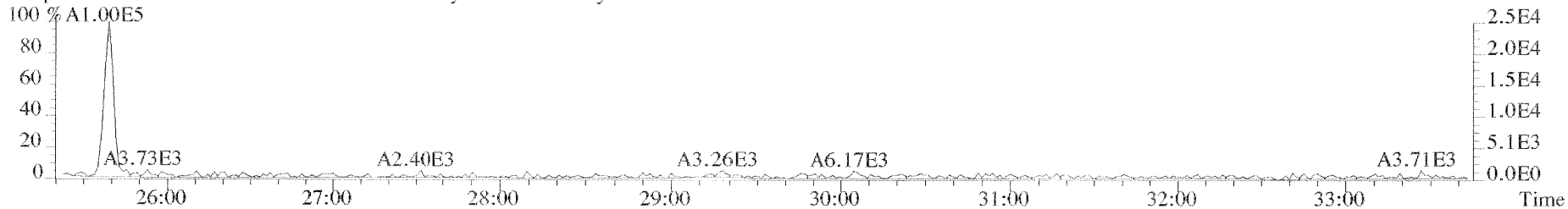
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



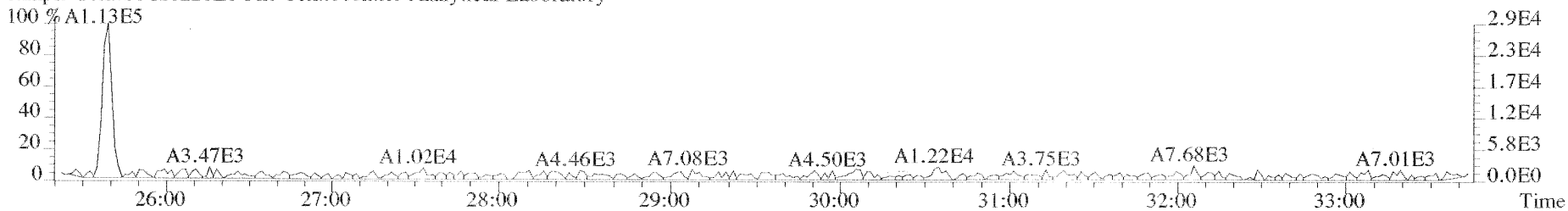
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



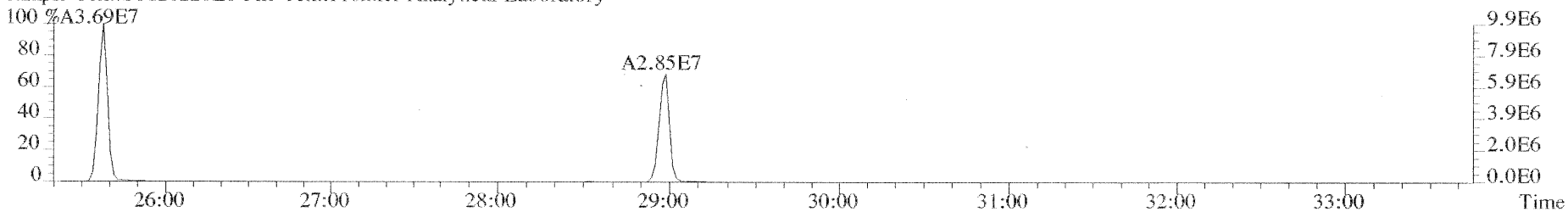
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



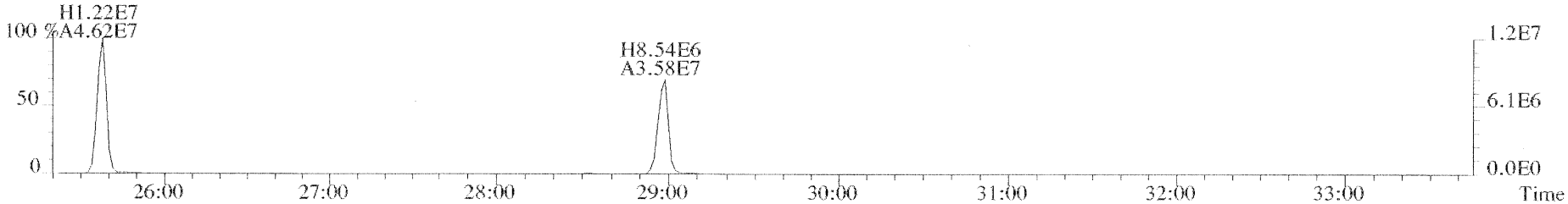
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



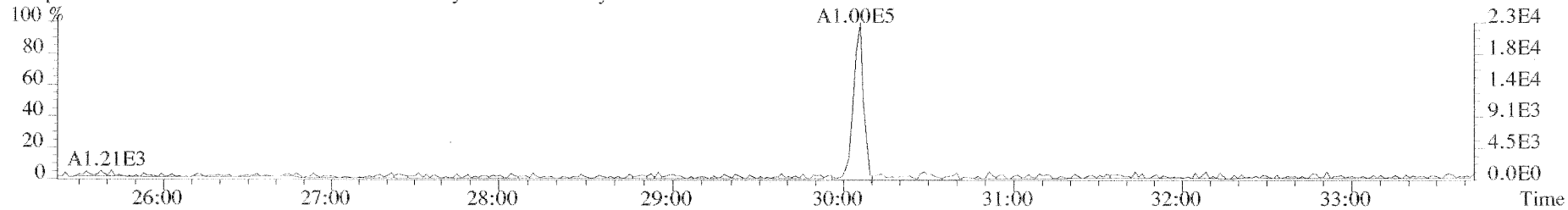
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



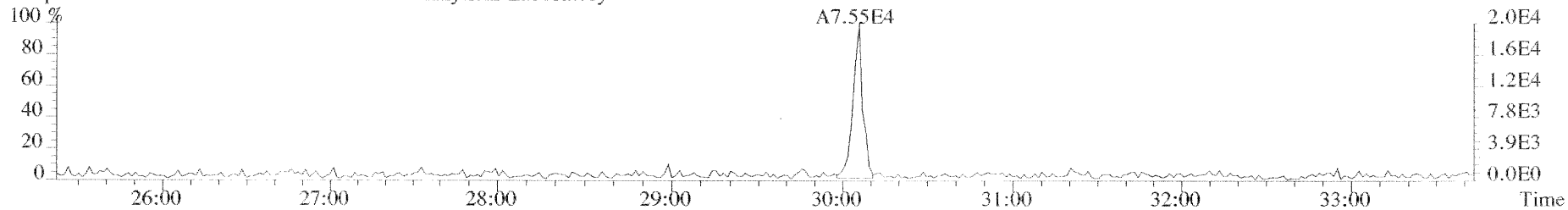
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



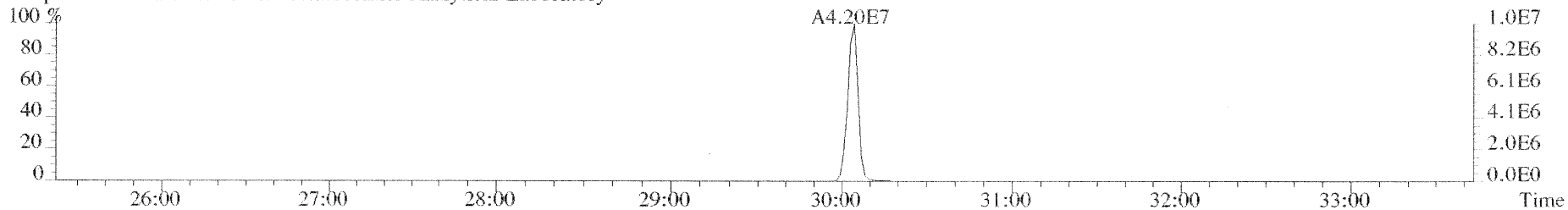
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



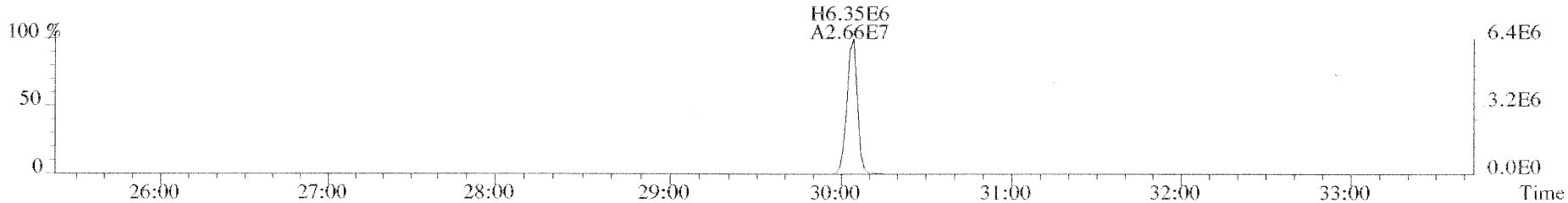
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



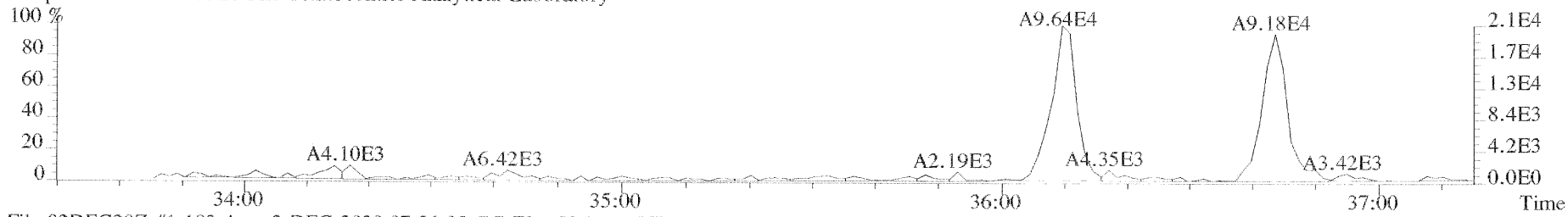
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



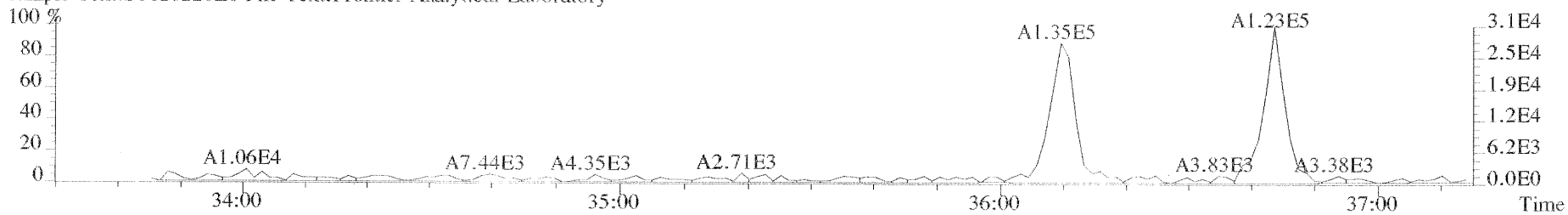
File:02DEC20Z #1-397 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



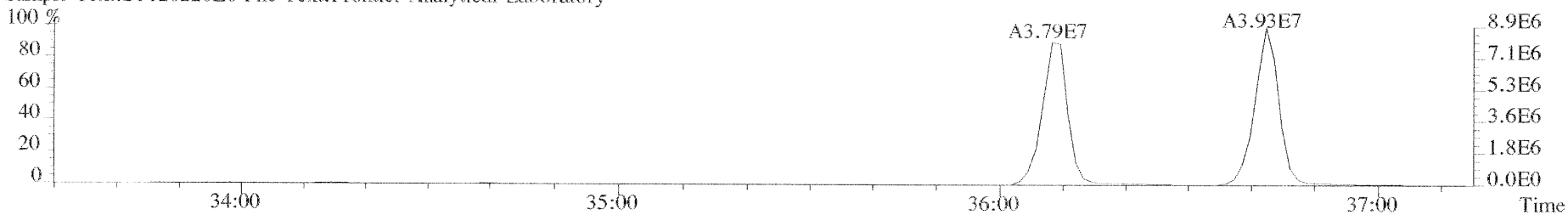
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



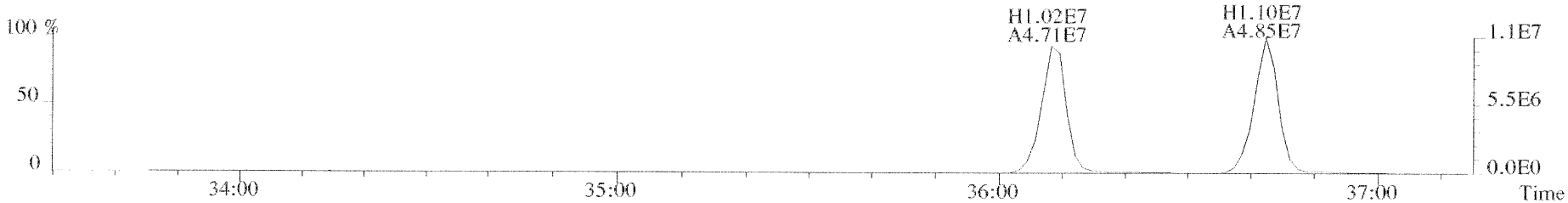
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



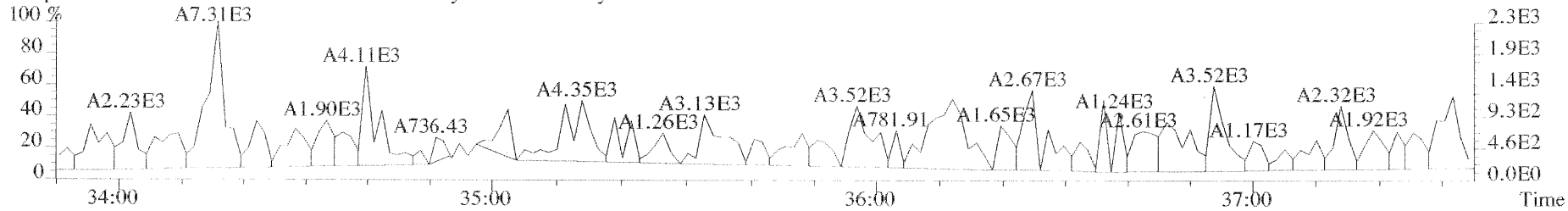
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



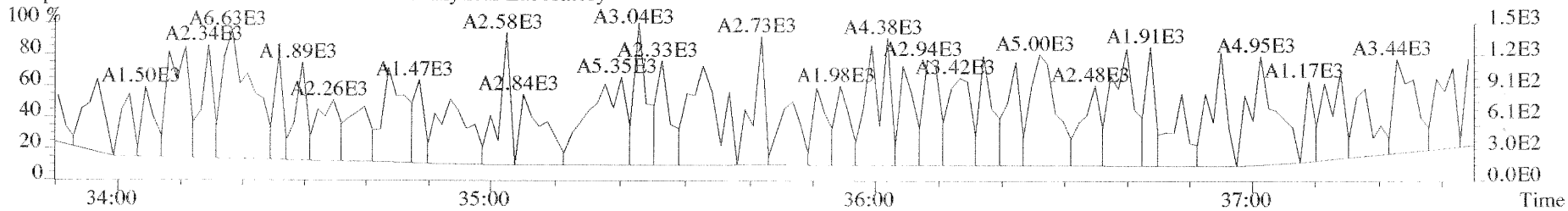
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



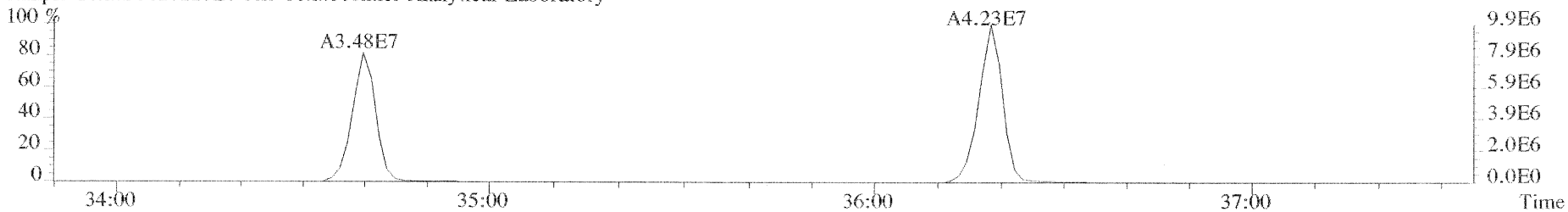
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



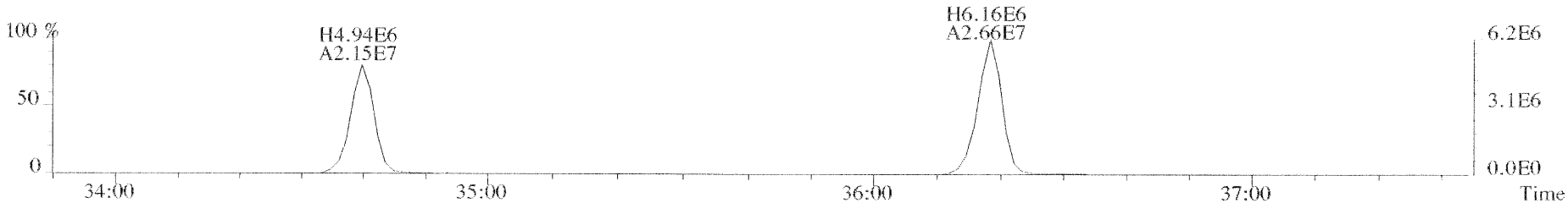
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



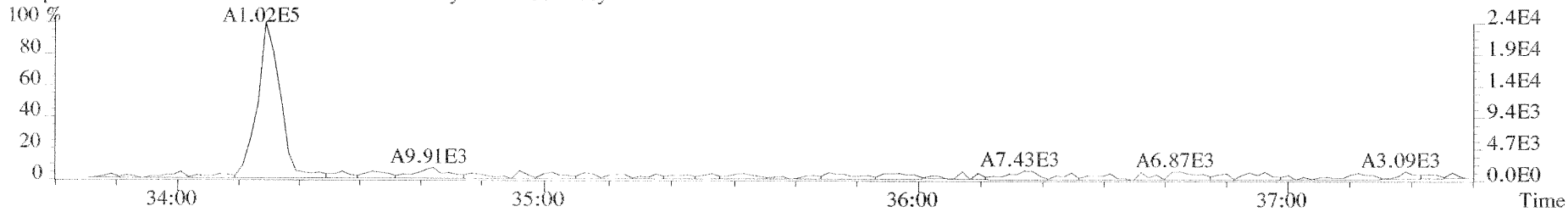
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



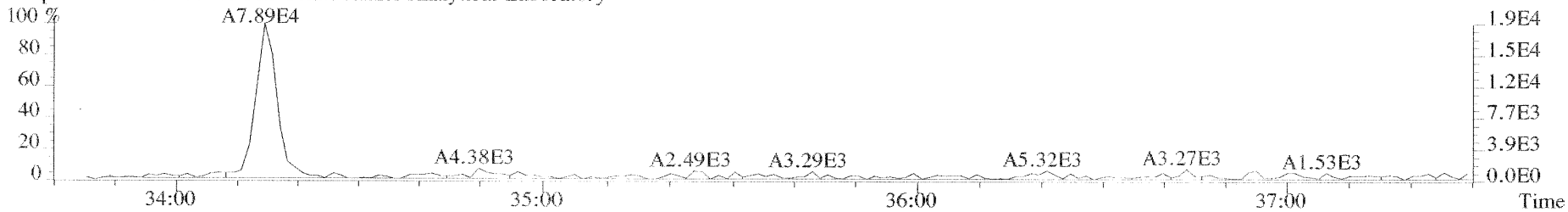
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



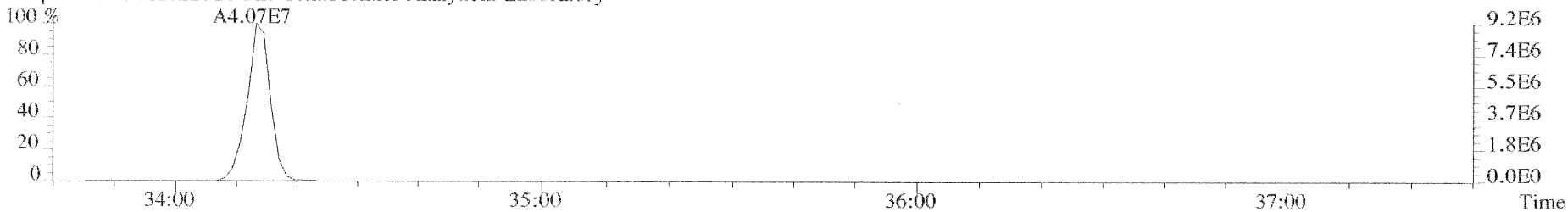
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



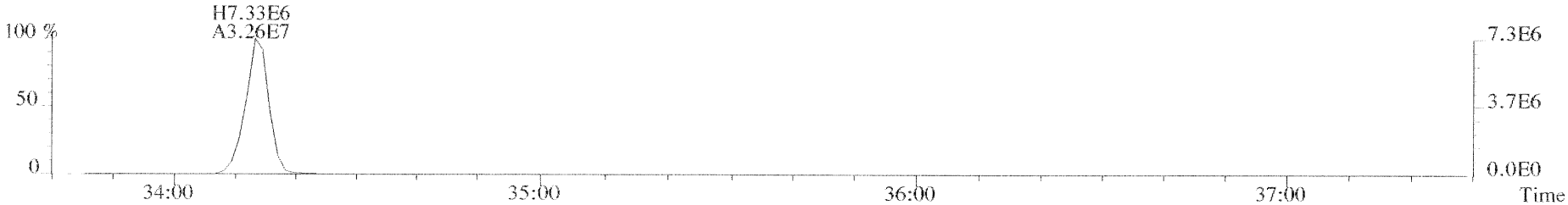
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



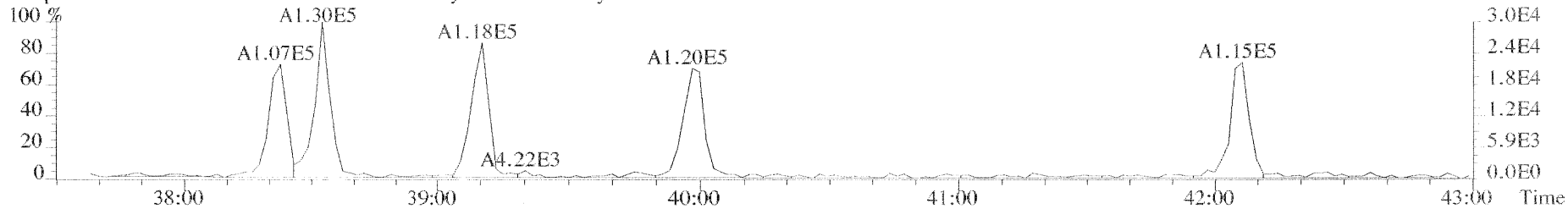
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



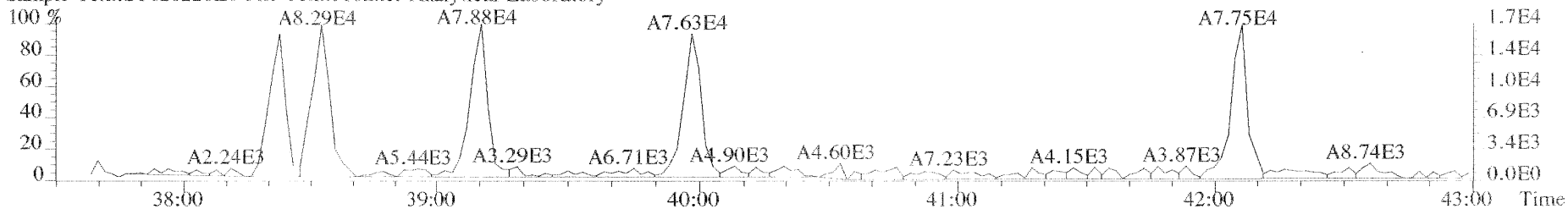
File:02DEC20Z #1-183 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



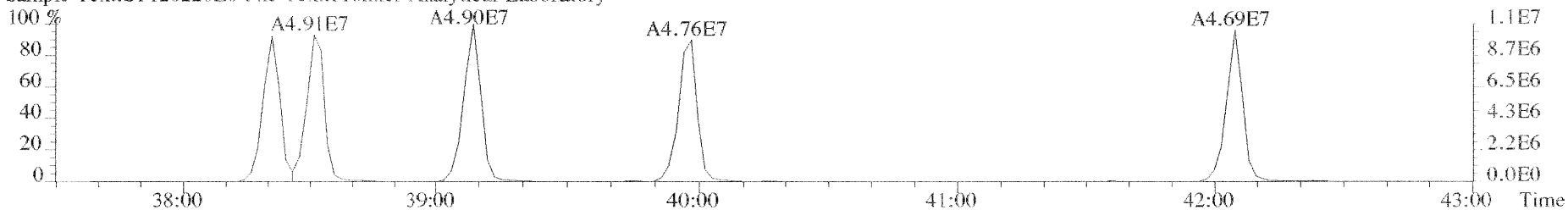
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



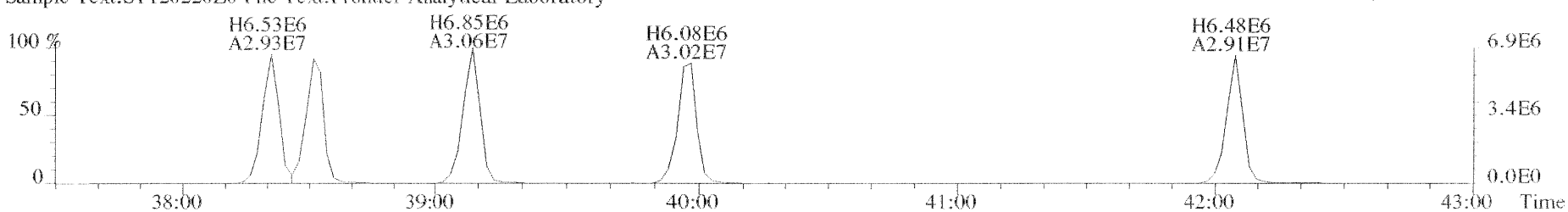
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



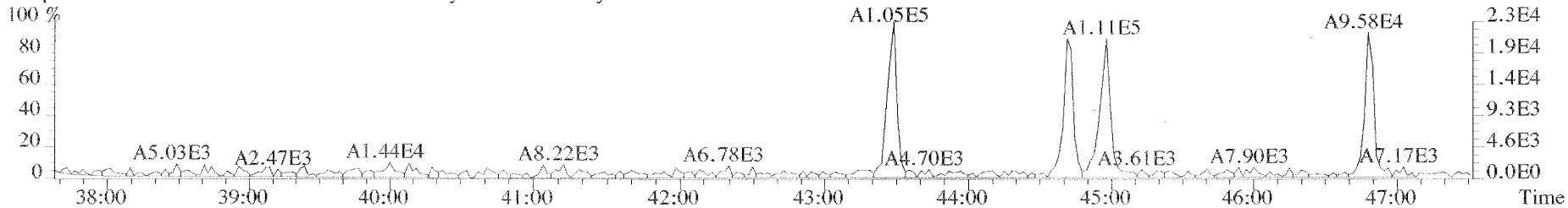
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



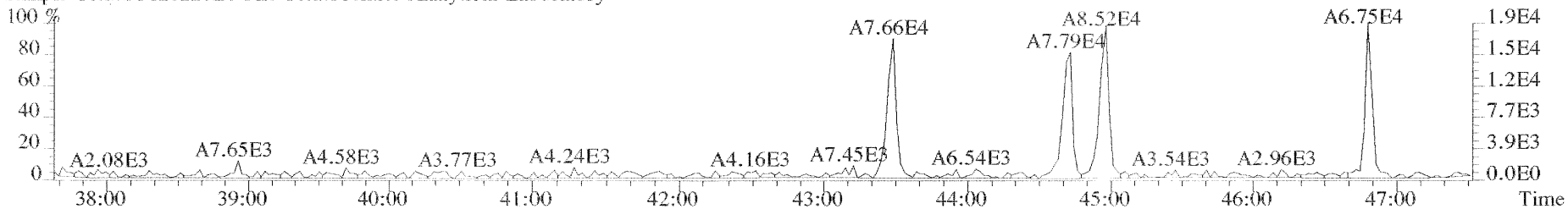
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



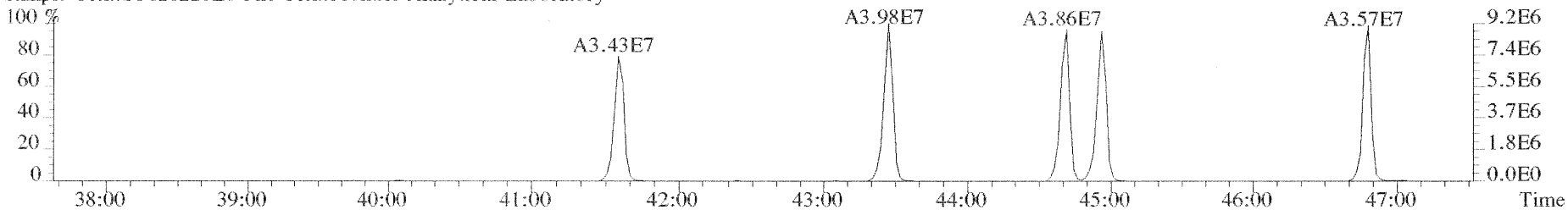
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



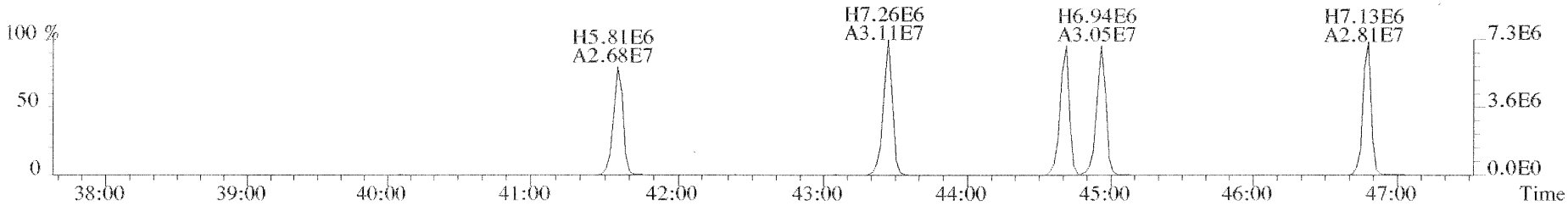
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



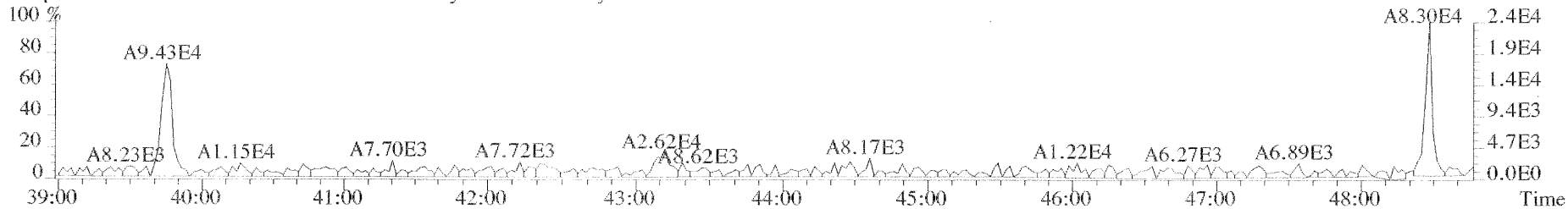
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



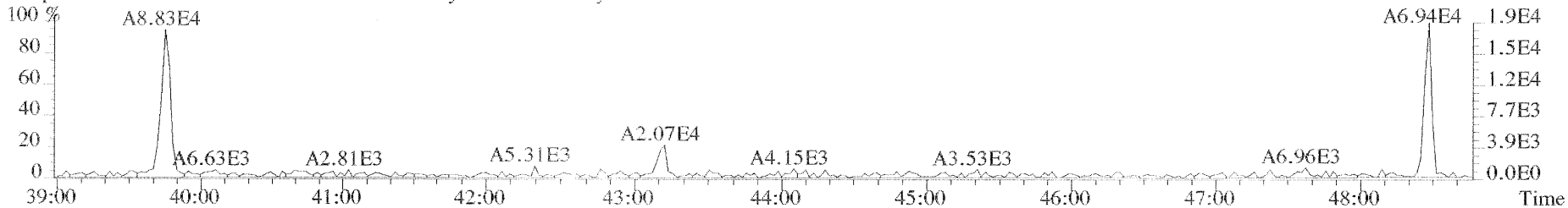
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



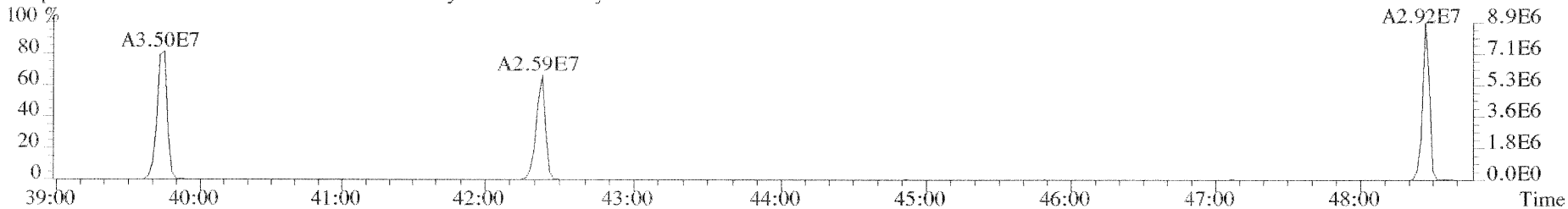
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



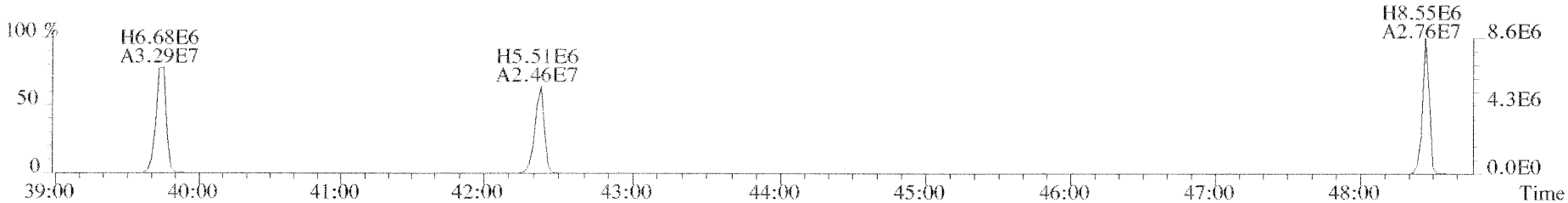
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



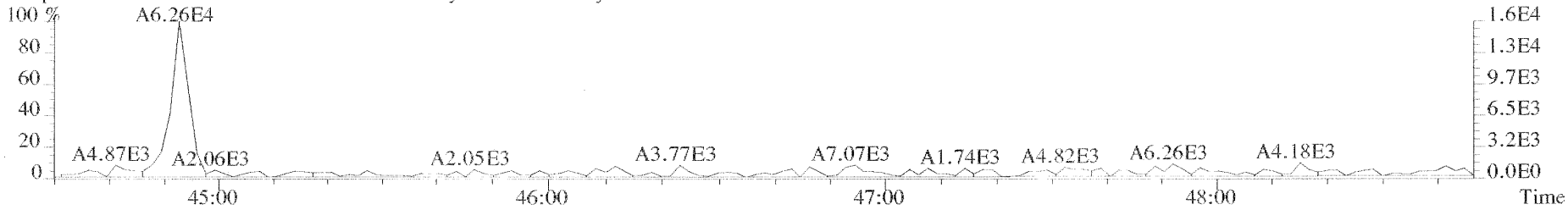
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



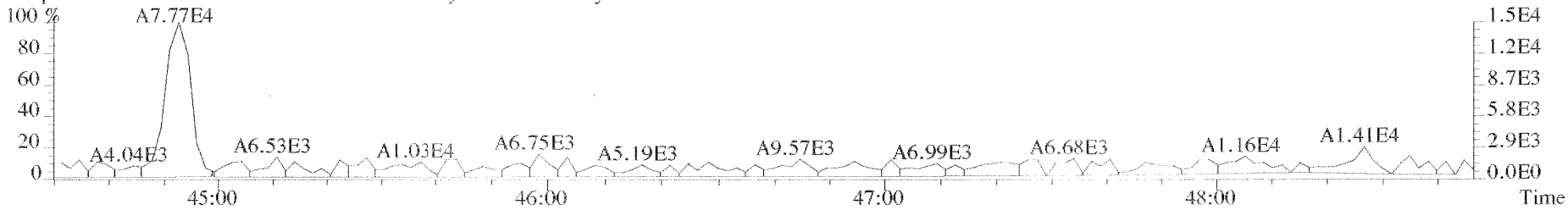
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



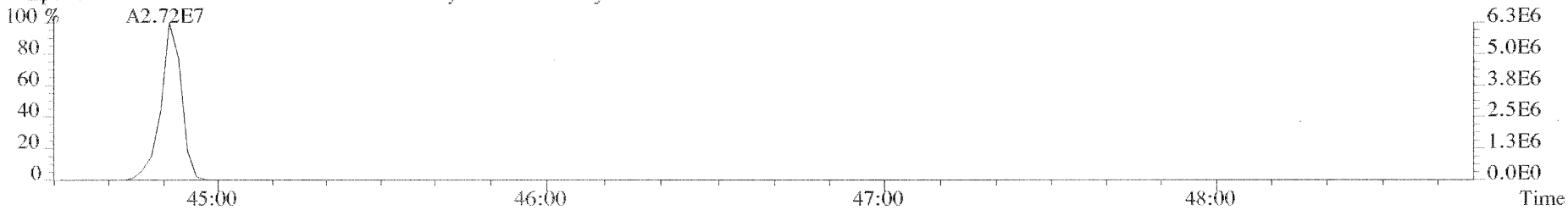
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



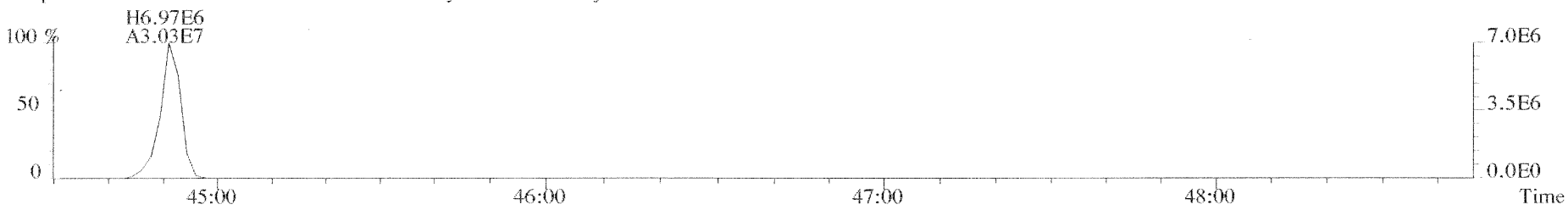
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



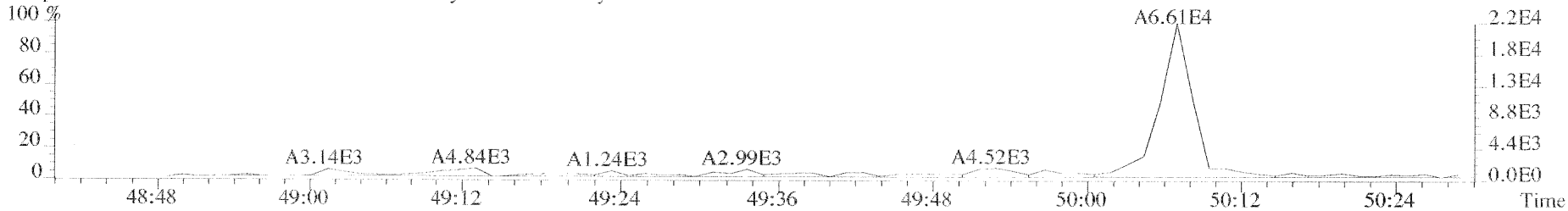
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



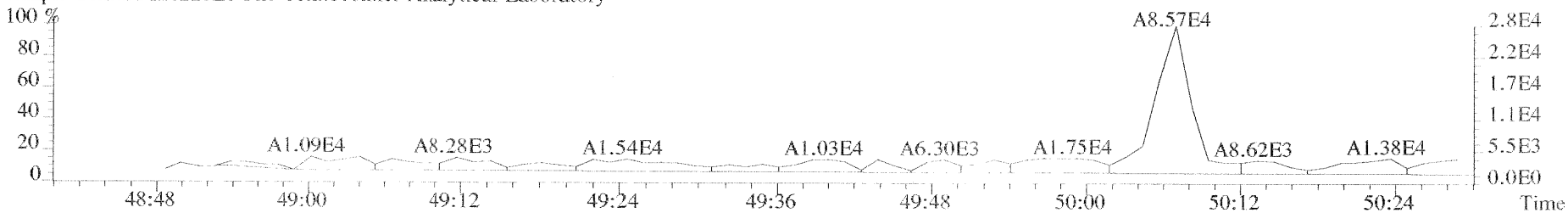
File:02DEC20Z #1-407 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



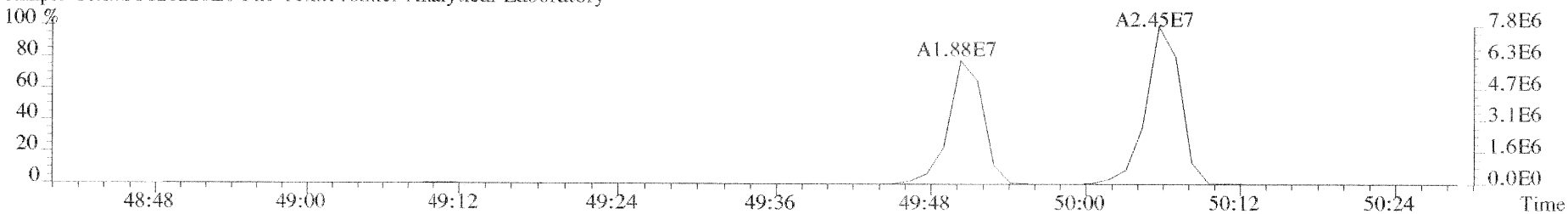
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



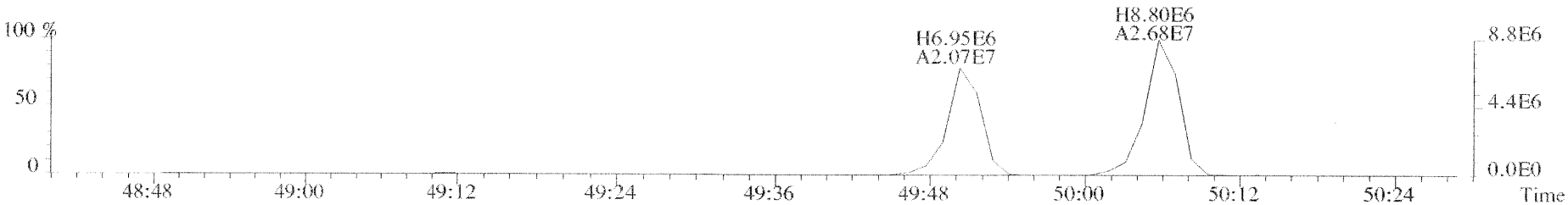
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



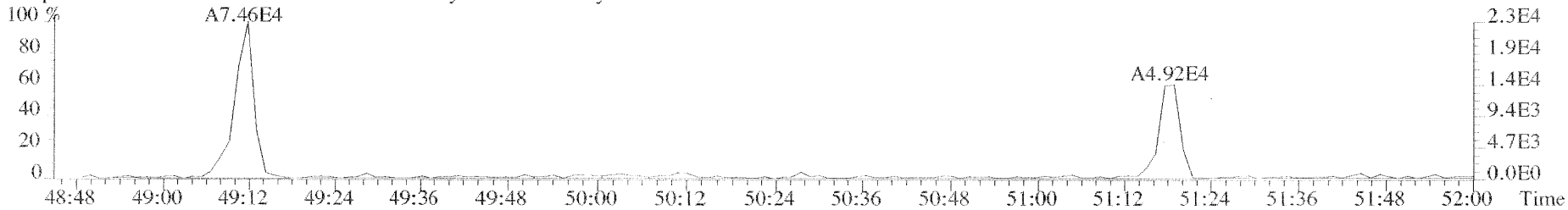
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



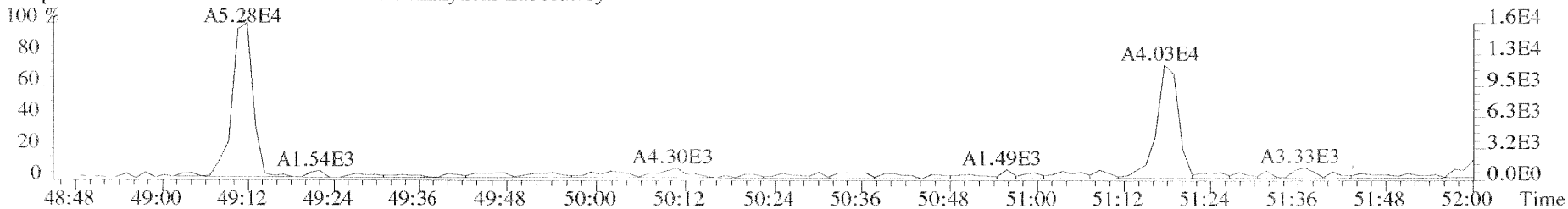
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



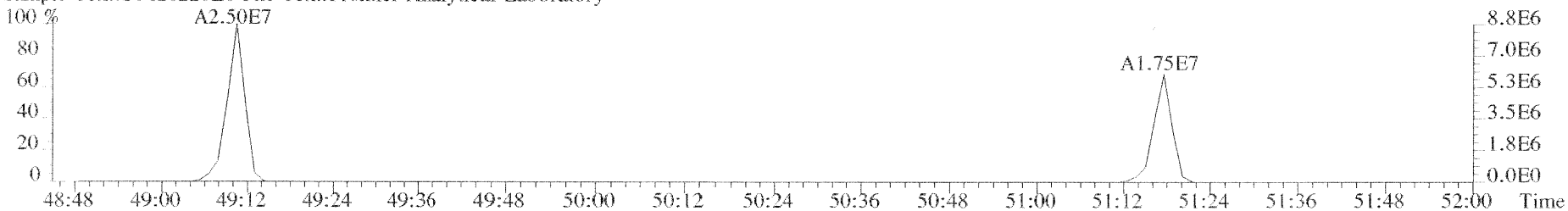
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



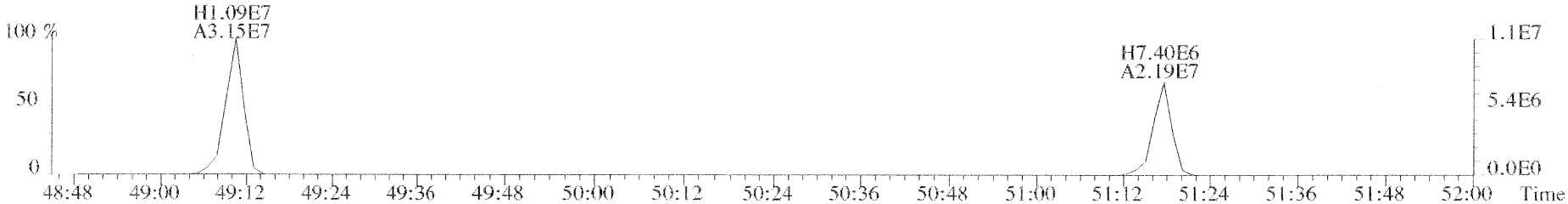
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



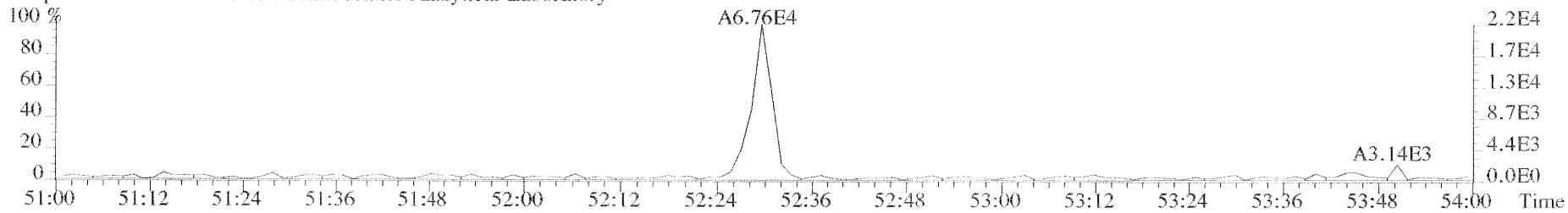
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



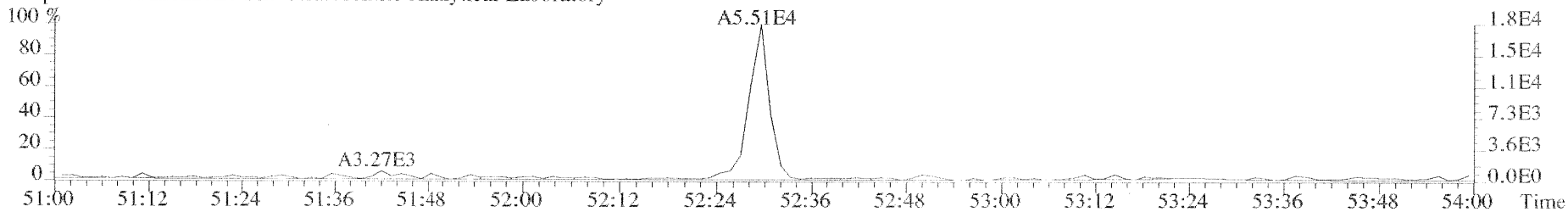
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



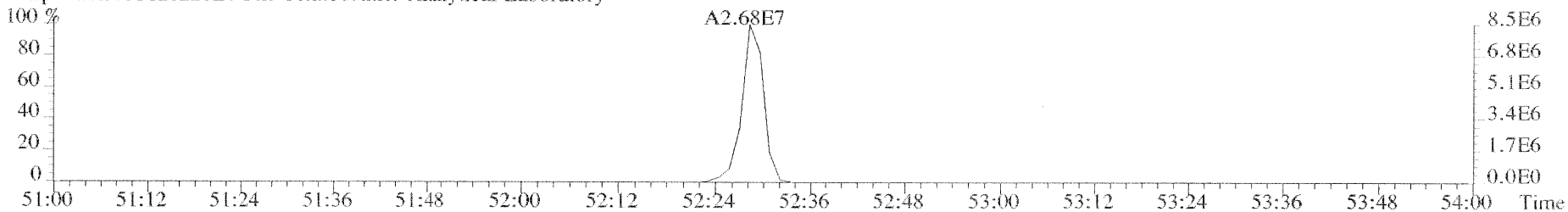
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



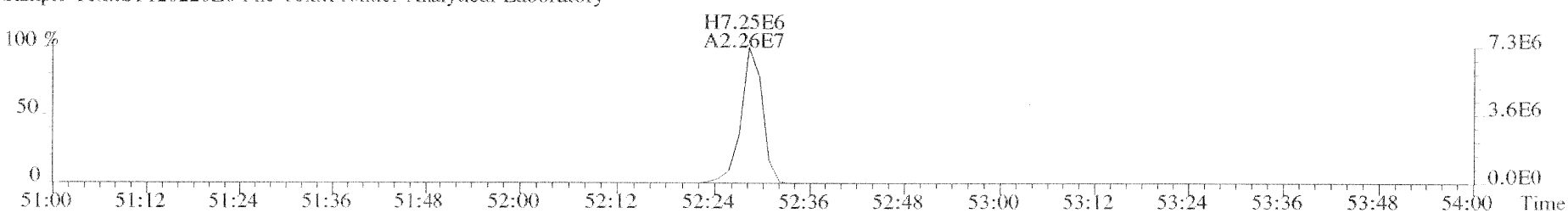
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



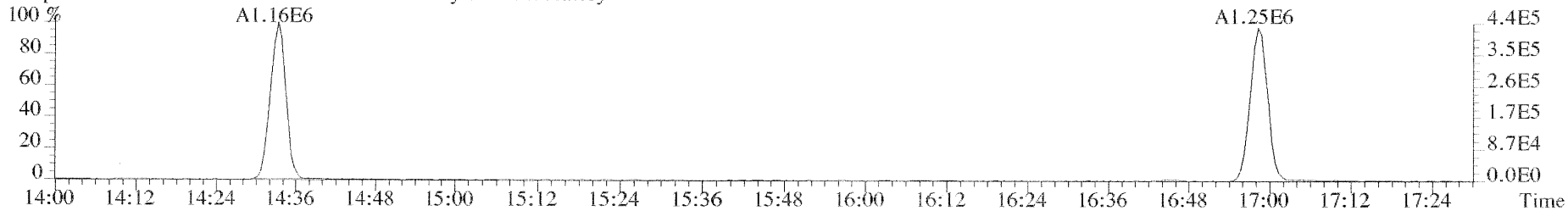
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



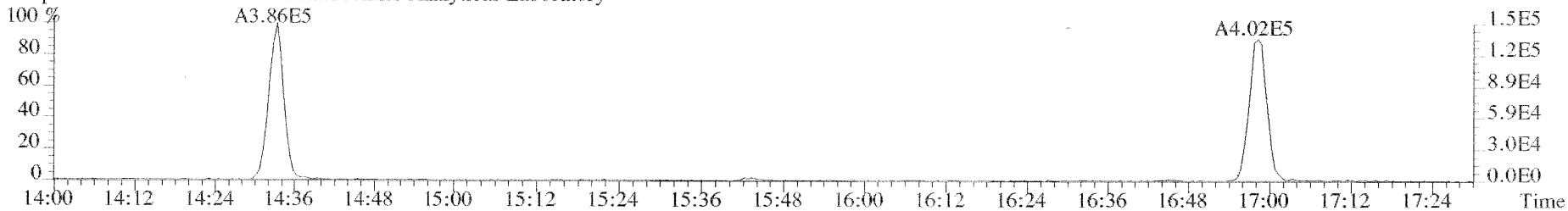
File:02DEC20Z #1-314 Acq: 2-DEC-2020 07:26:05 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z0 File Text:Frontier Analytical Laboratory



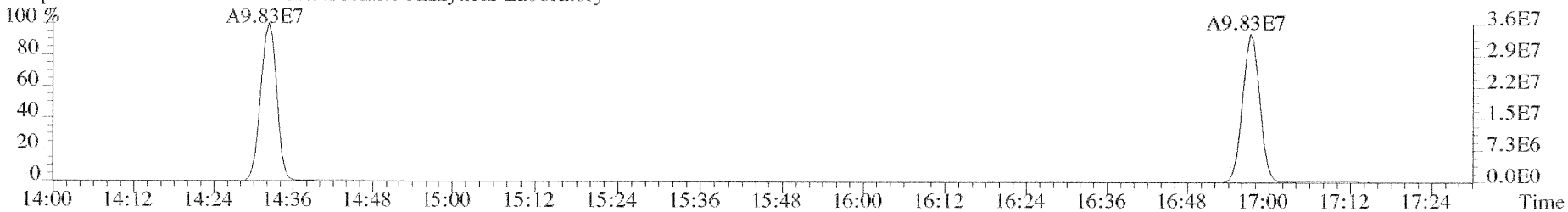
File:02DEC20Z #1-783 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



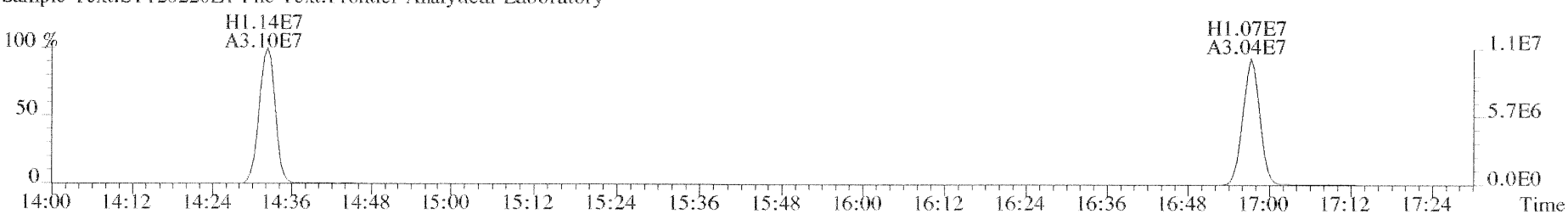
File:02DEC20Z #1-783 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



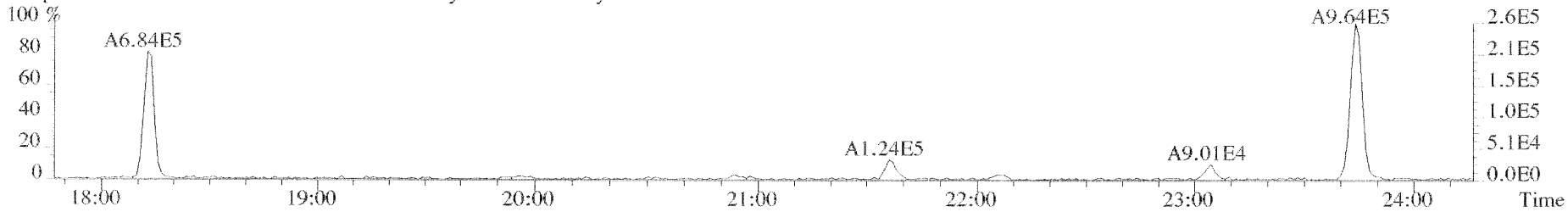
File:02DEC20Z #1-783 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



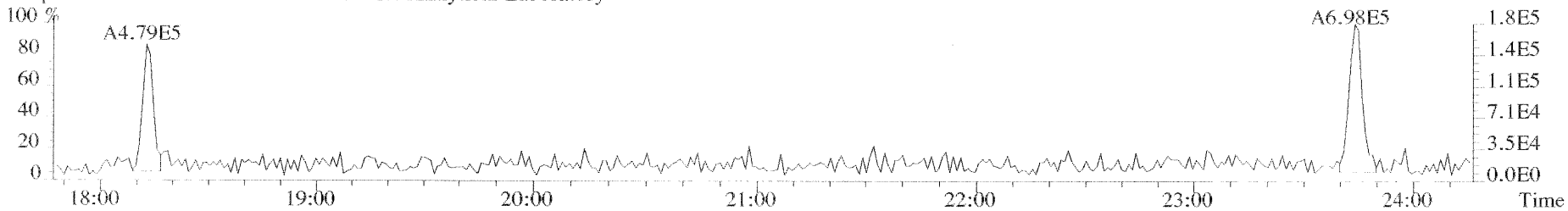
File:02DEC20Z #1-783 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



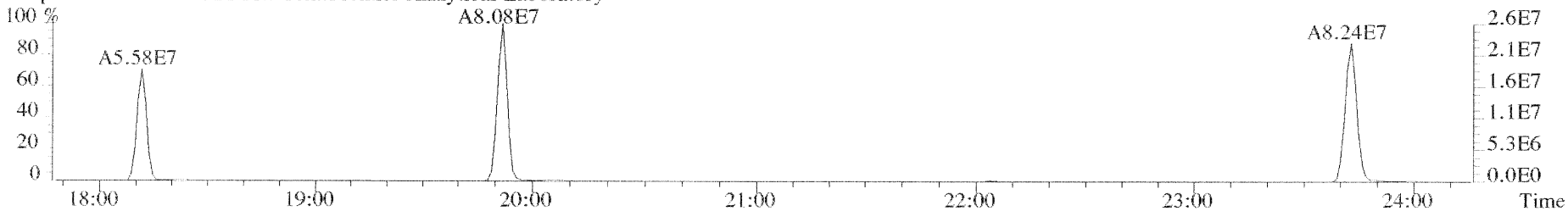
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



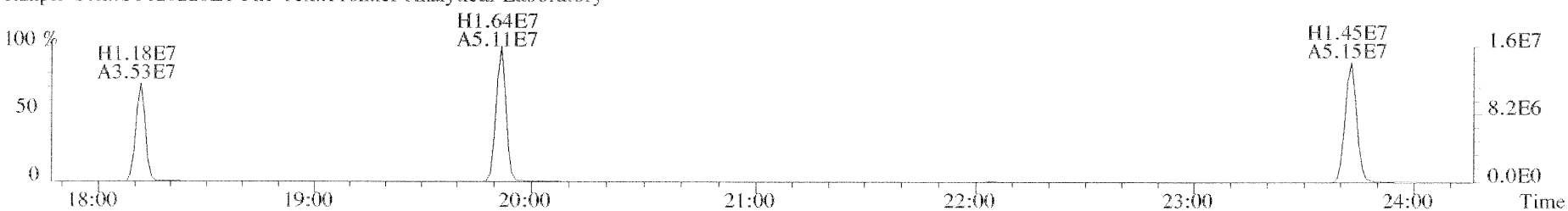
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



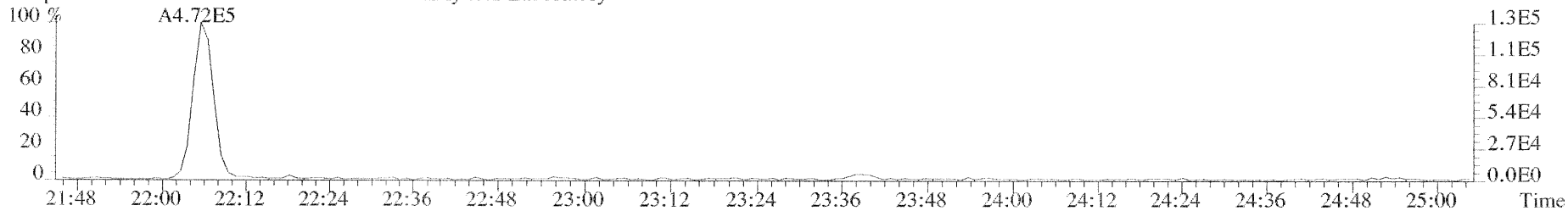
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



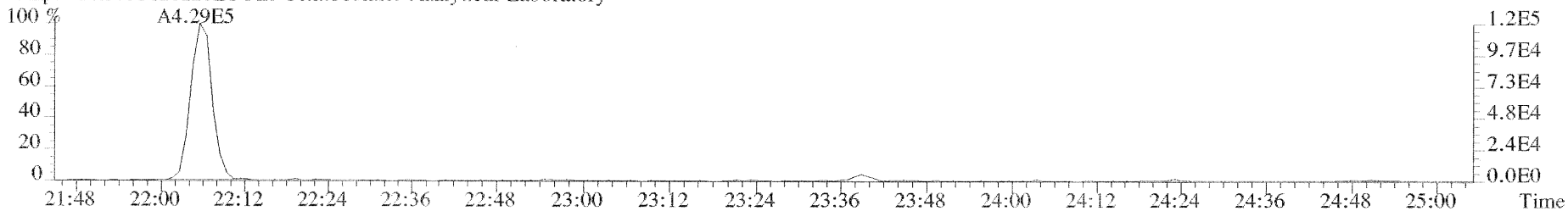
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



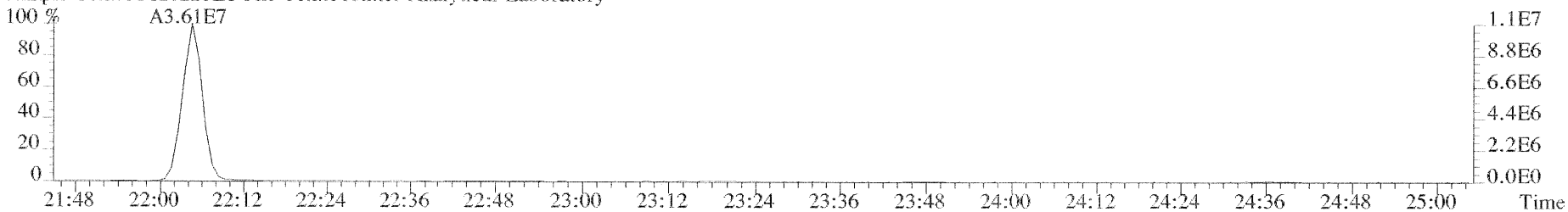
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



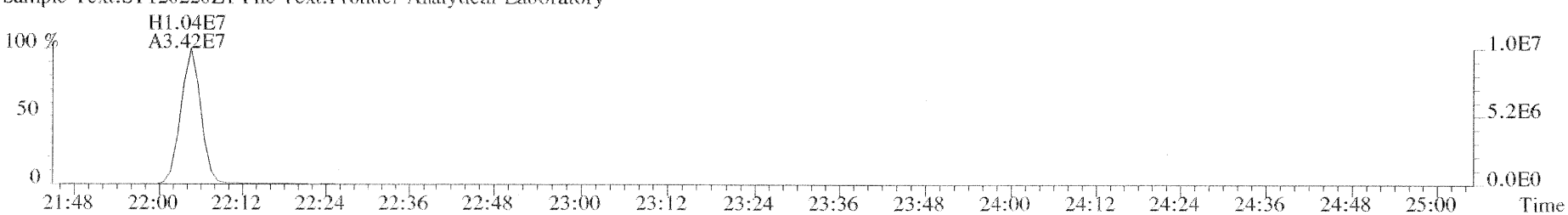
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



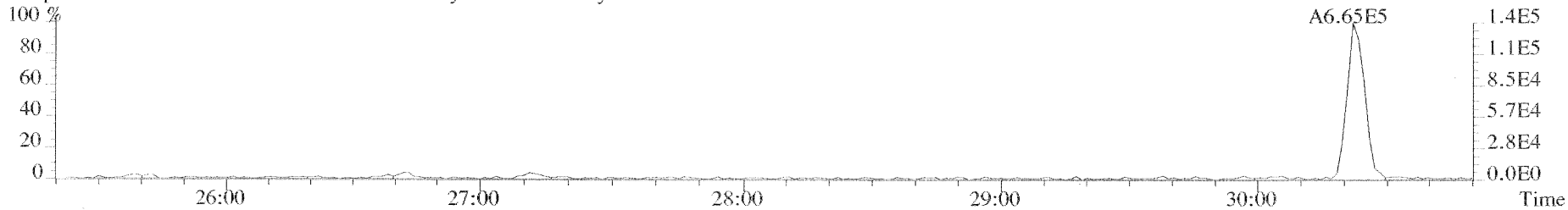
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



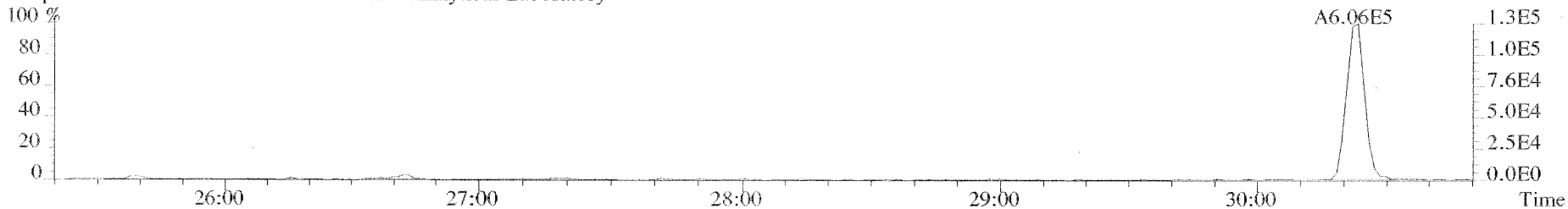
File:02DEC20Z #1-467 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



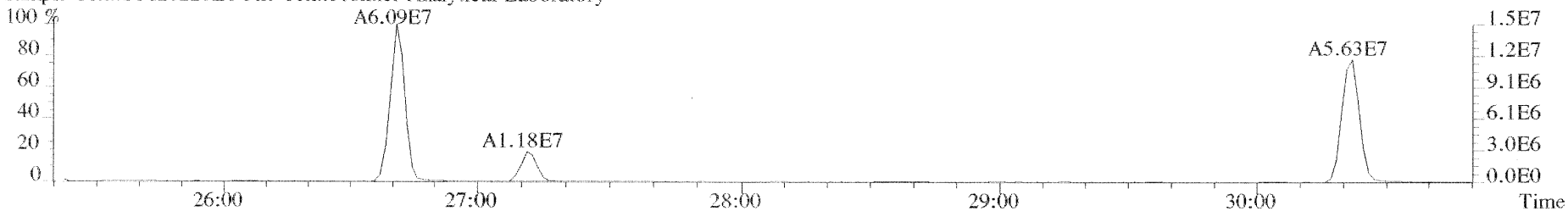
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



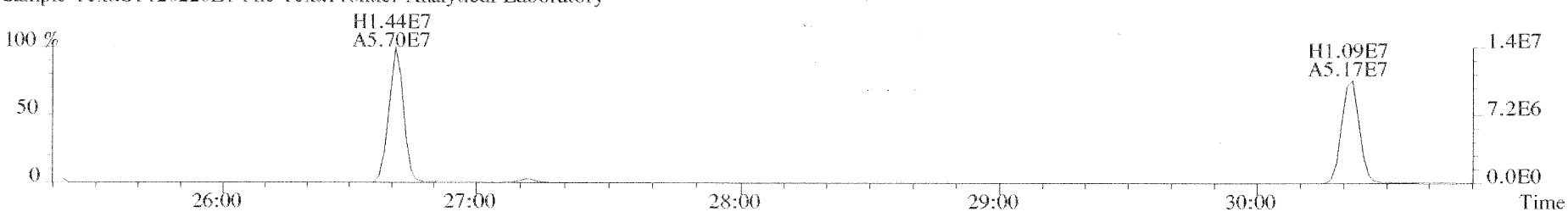
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



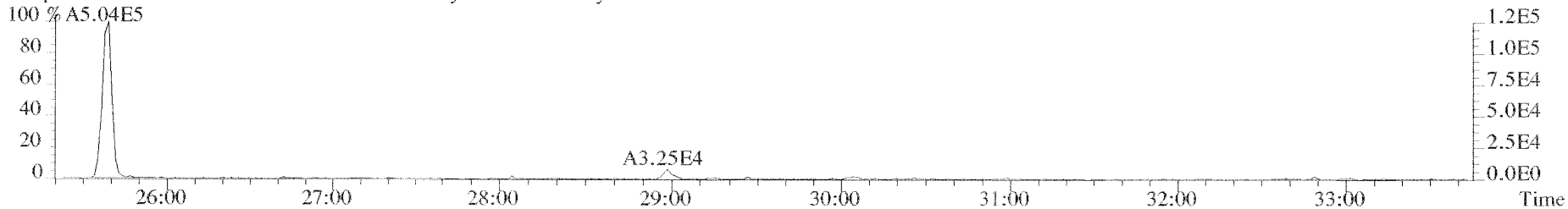
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



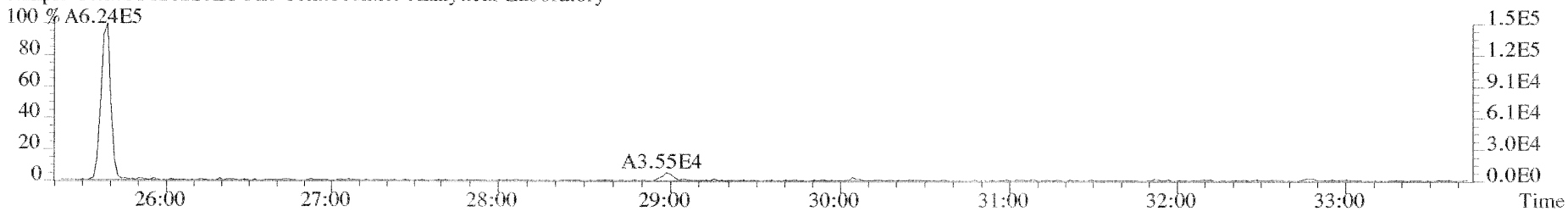
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



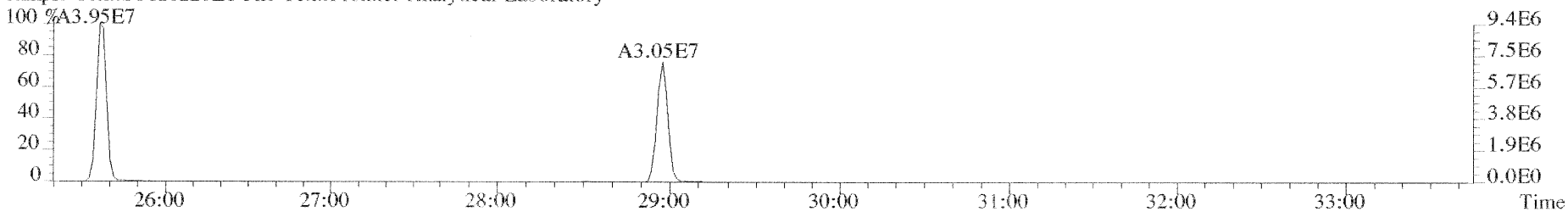
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



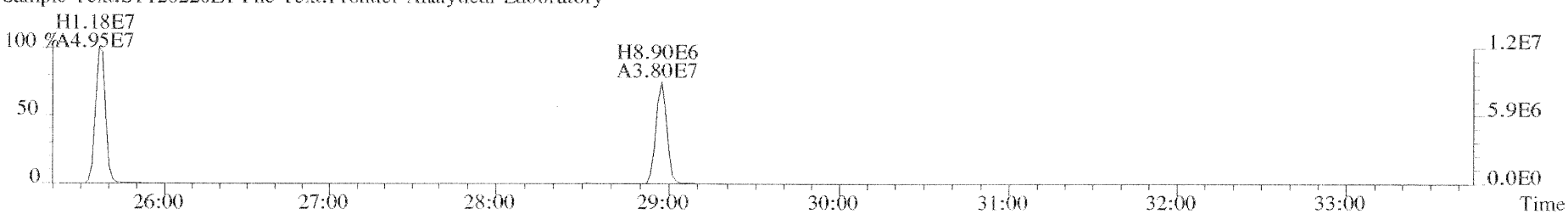
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



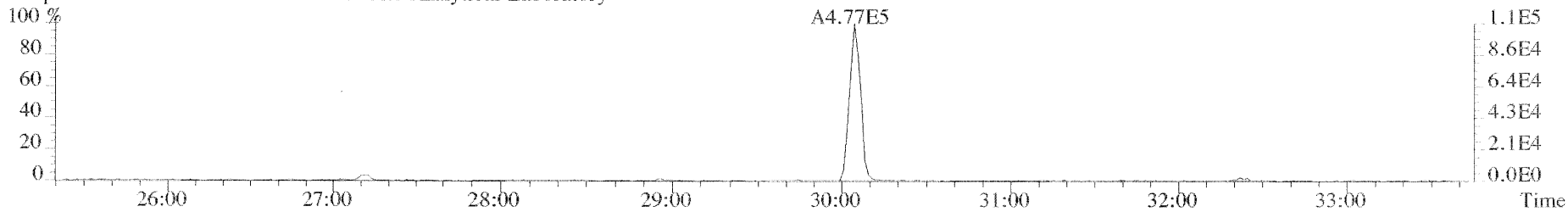
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



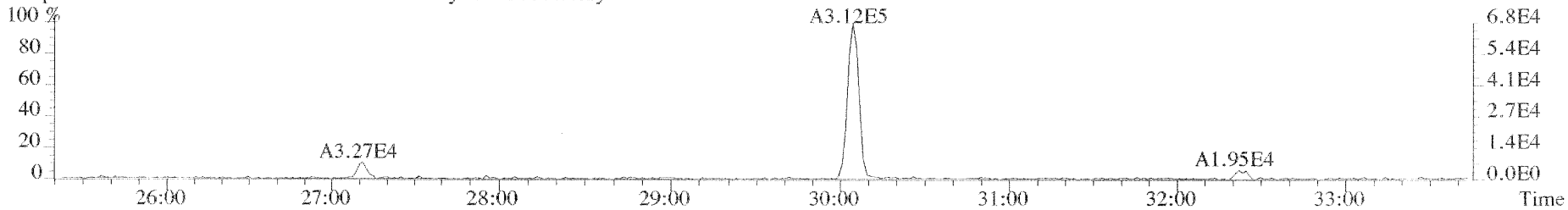
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



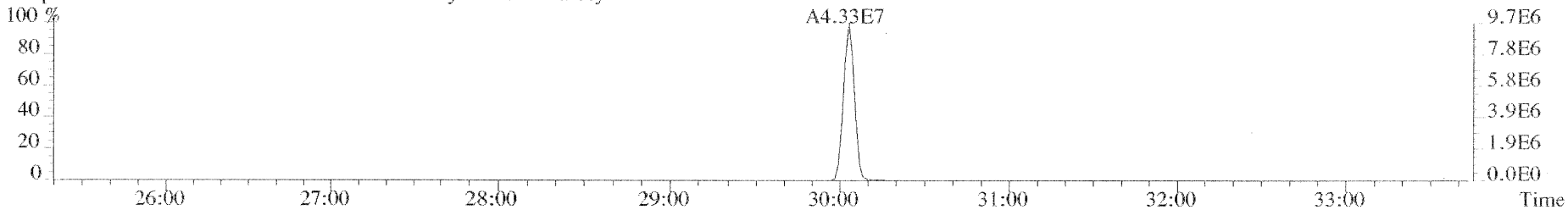
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



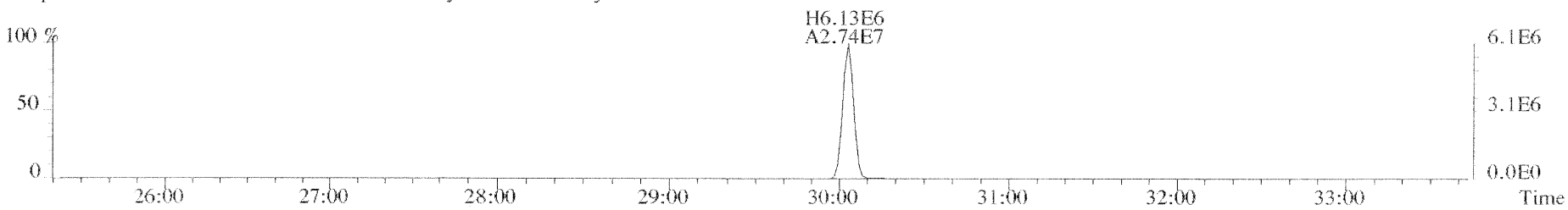
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



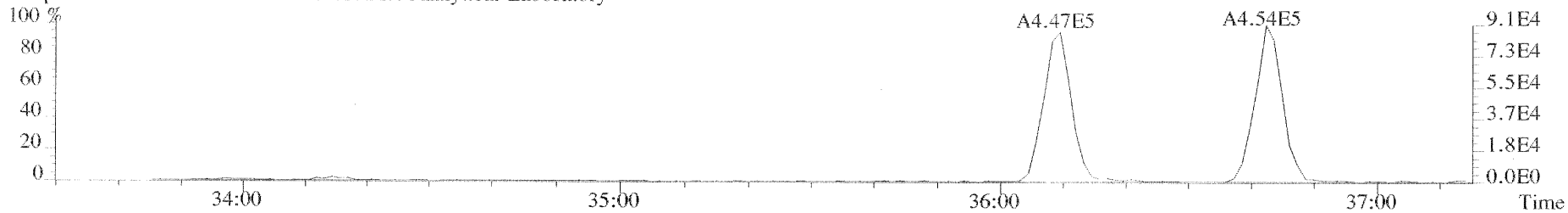
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



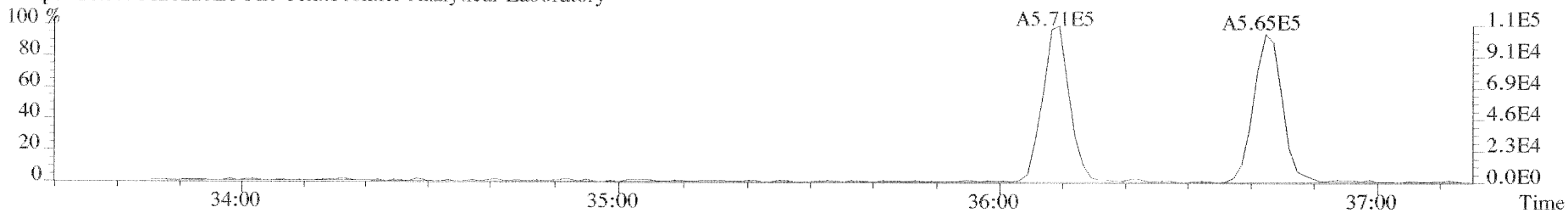
File:02DEC20Z #1-397 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



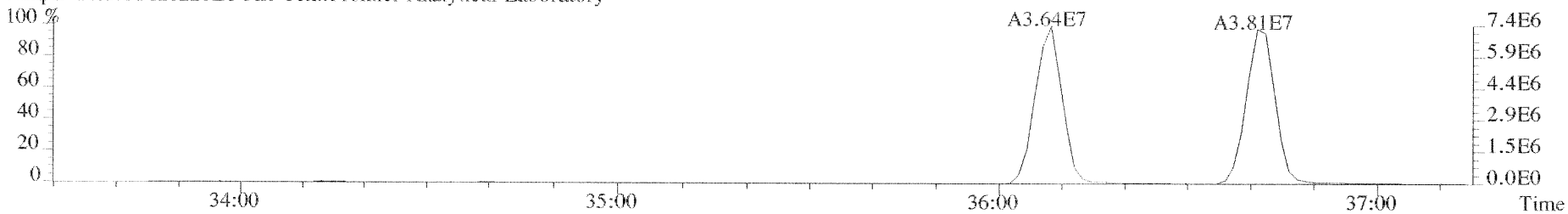
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



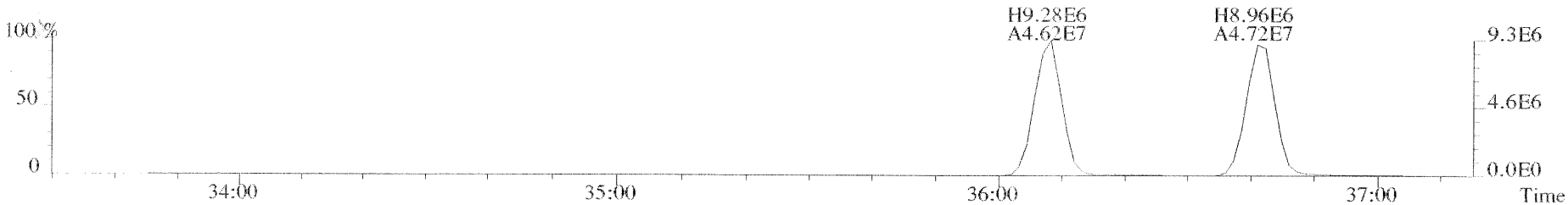
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



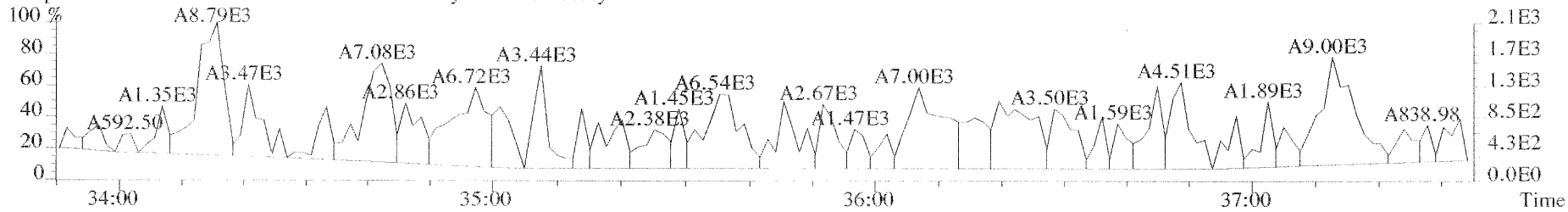
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



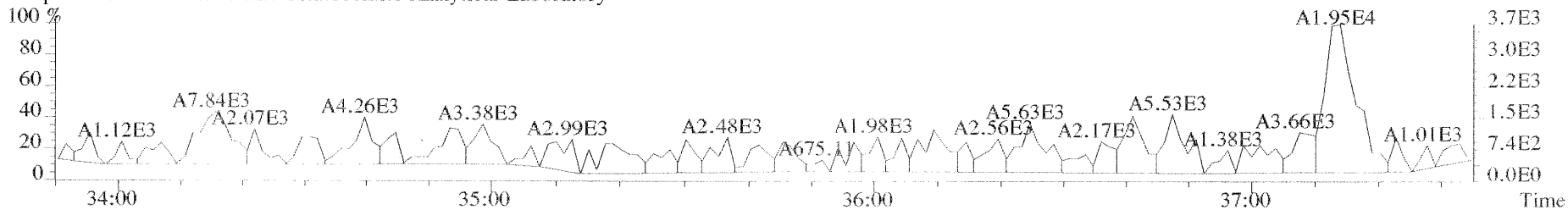
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



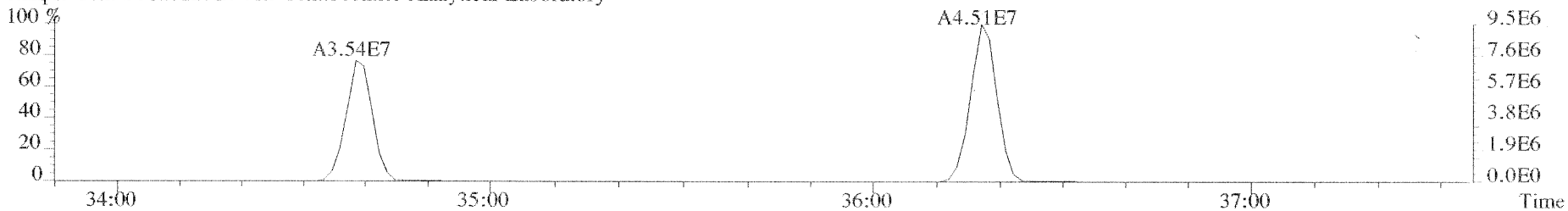
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



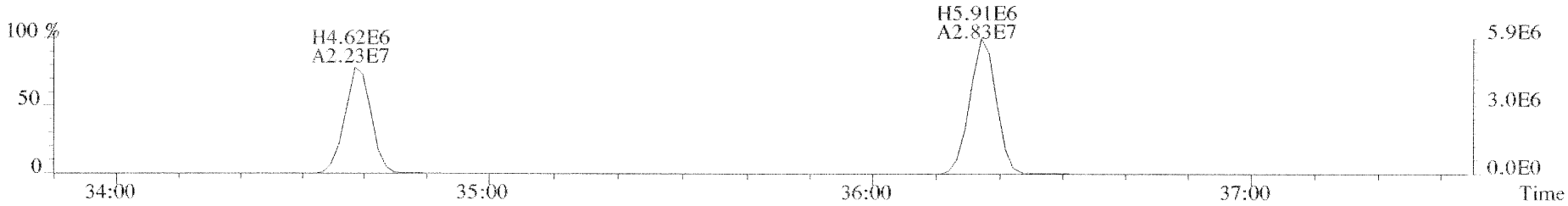
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



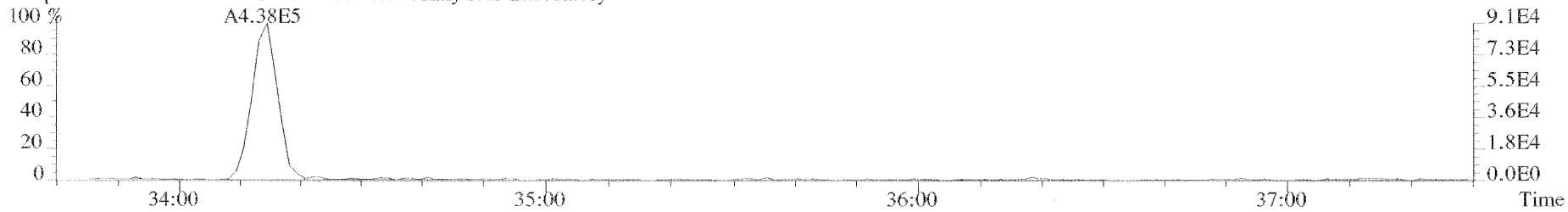
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



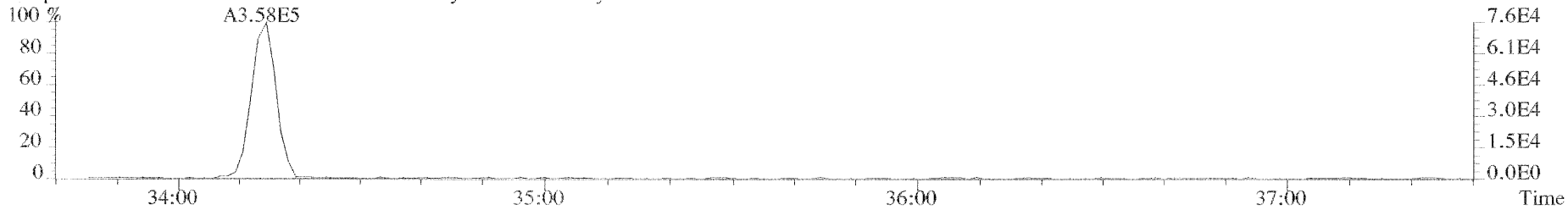
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



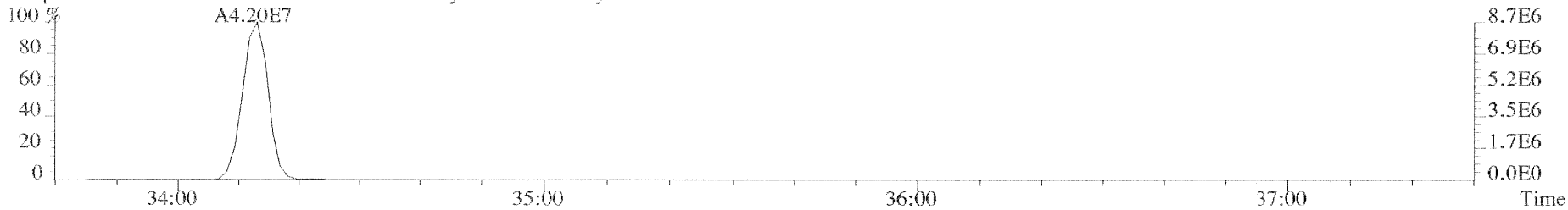
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



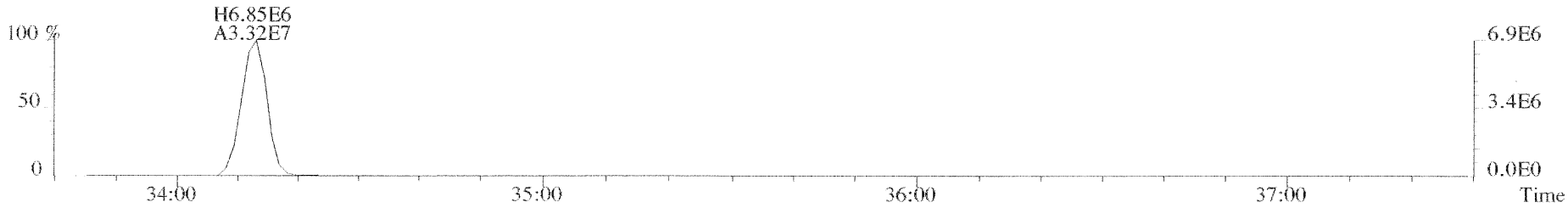
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



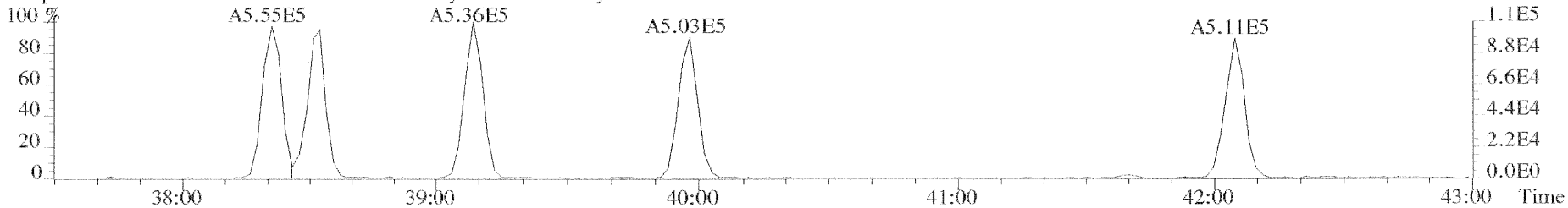
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



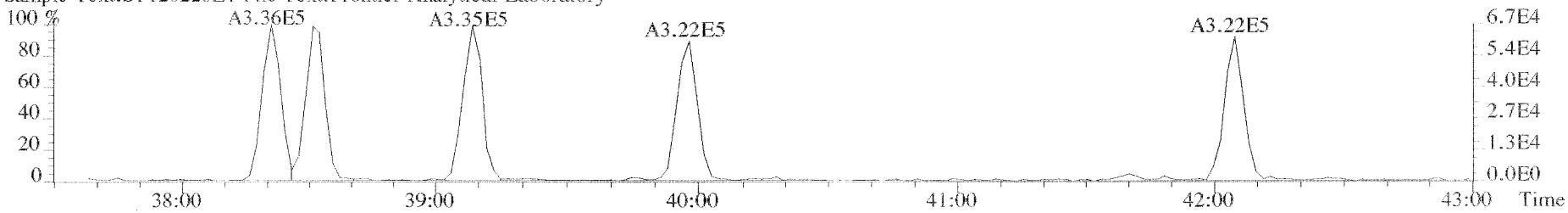
File:02DEC20Z #1-183 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



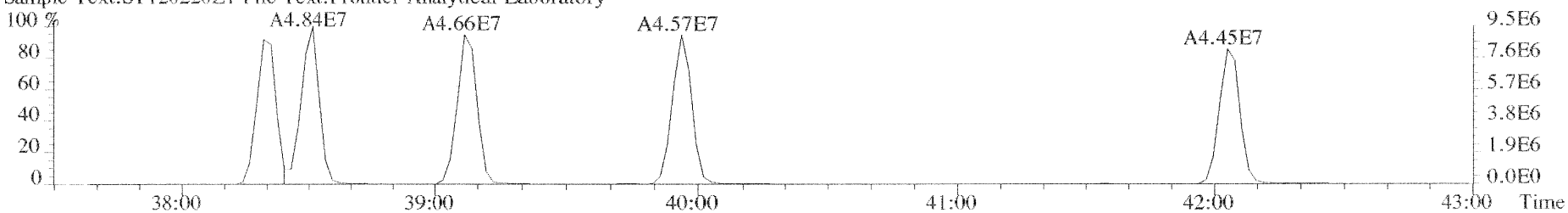
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



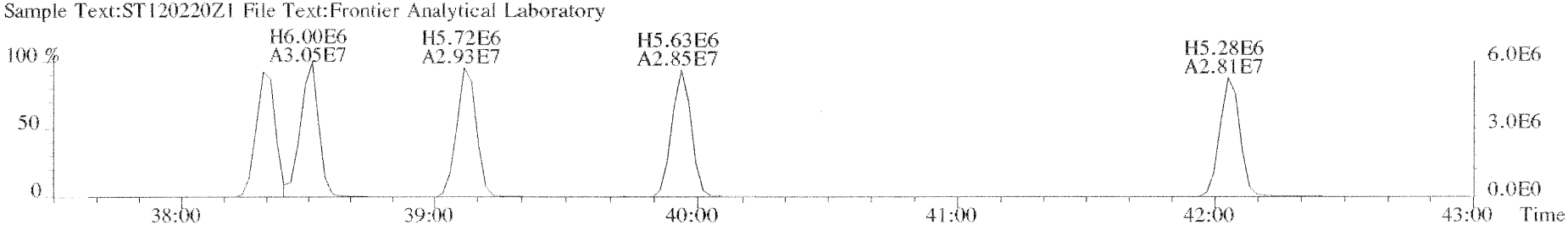
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



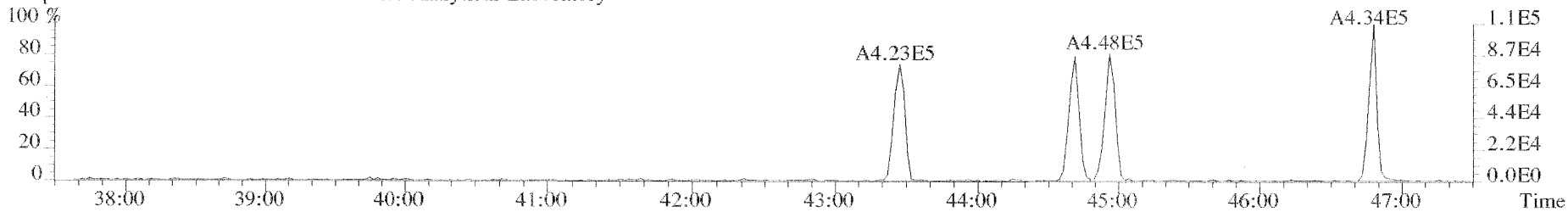
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



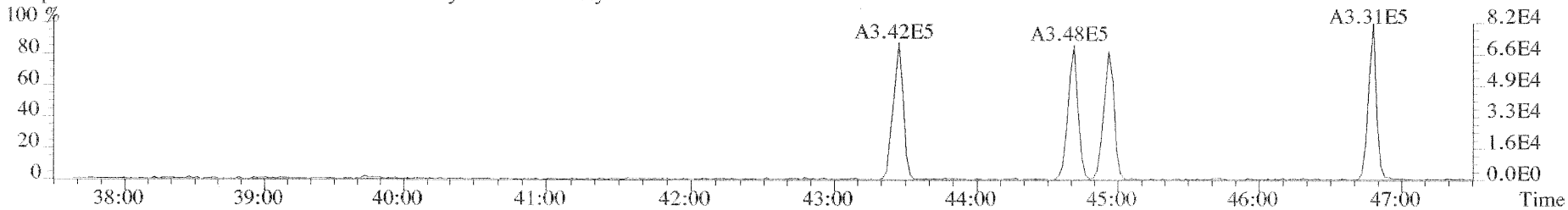
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



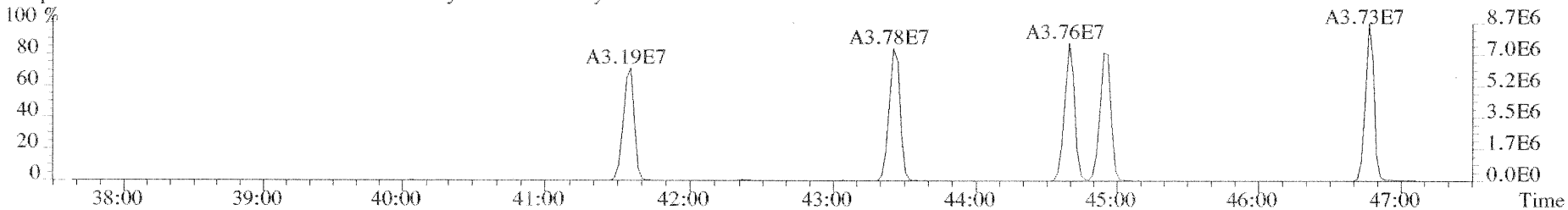
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



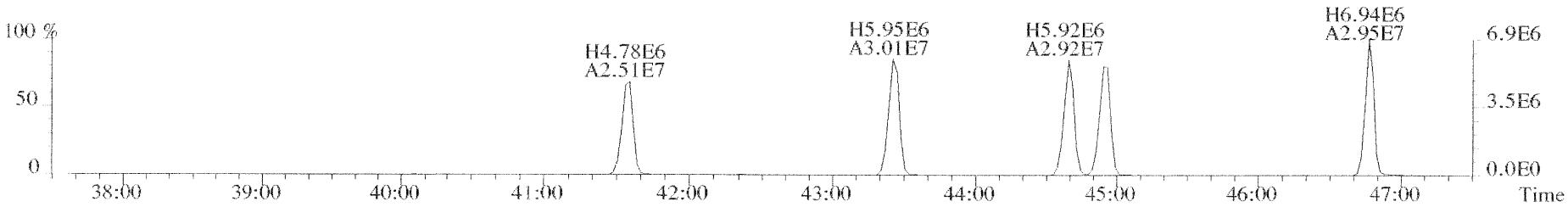
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



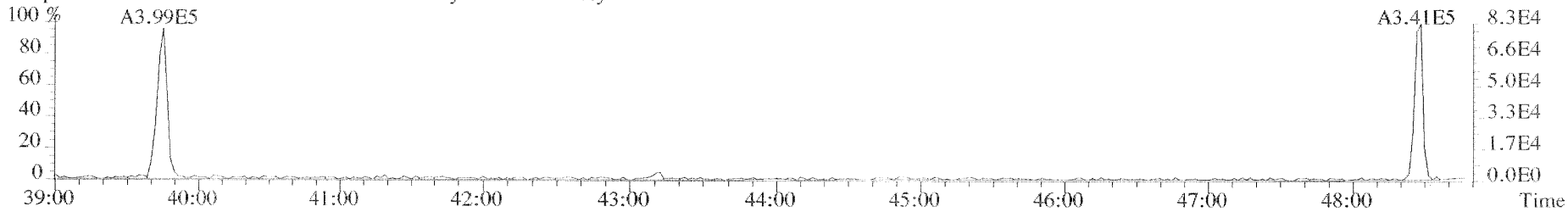
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



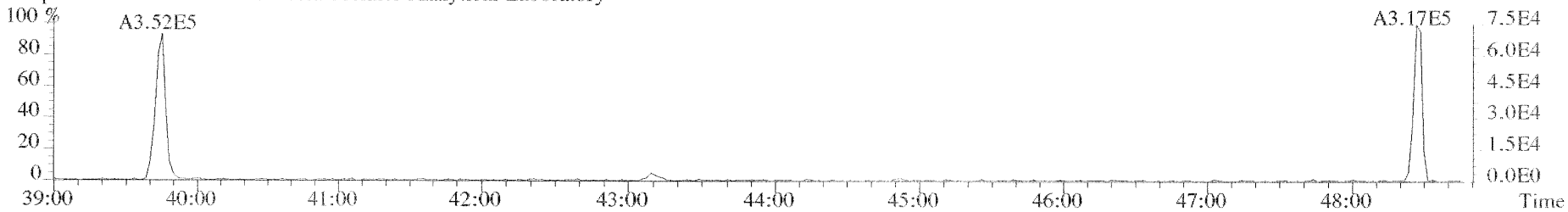
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



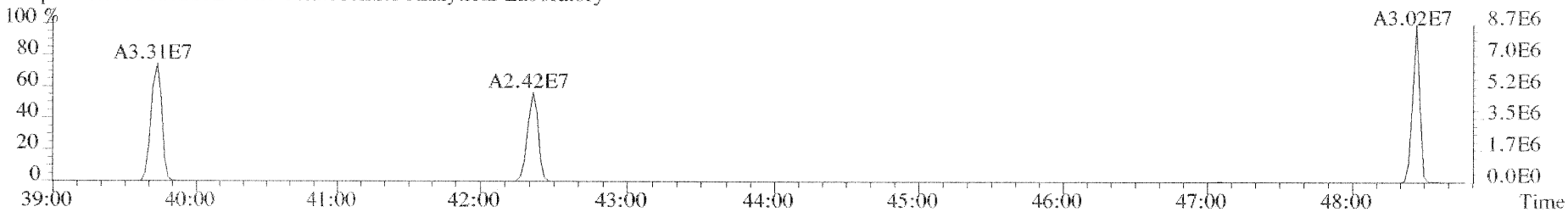
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



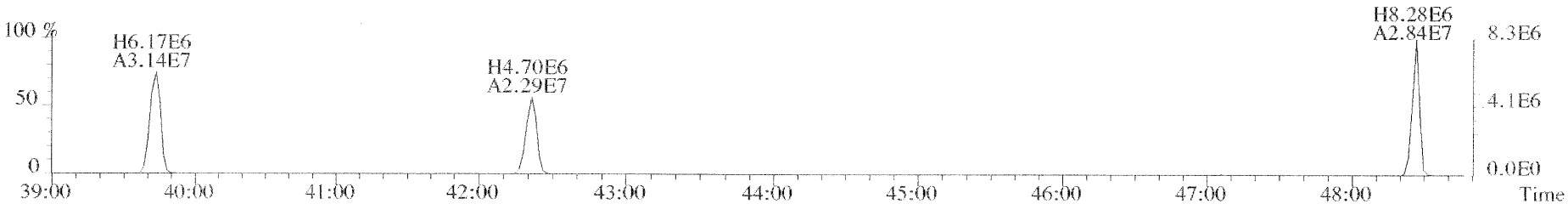
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



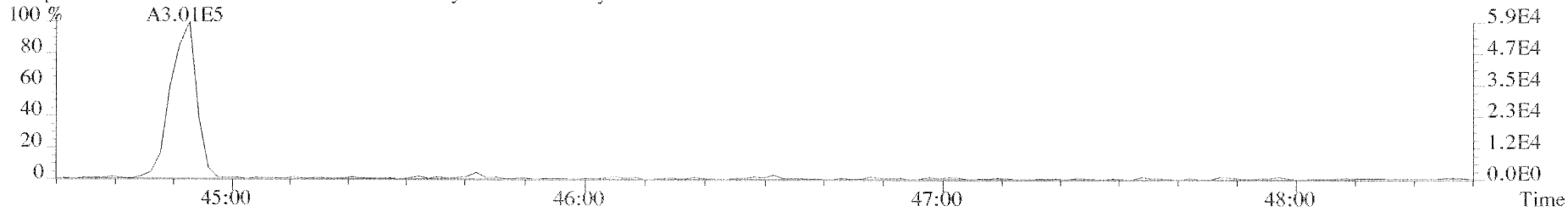
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



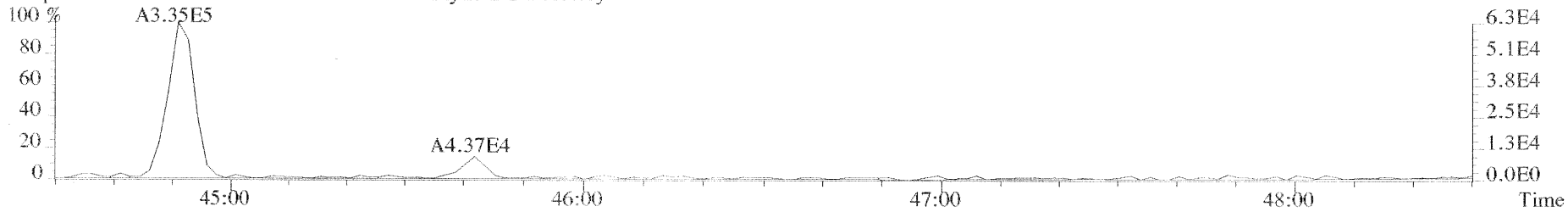
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



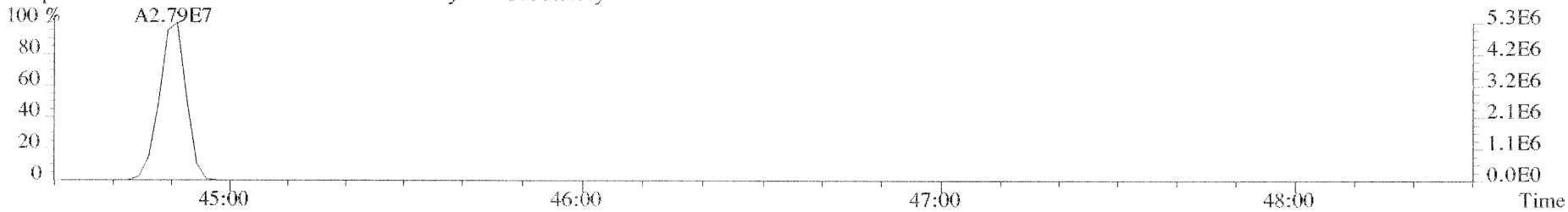
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



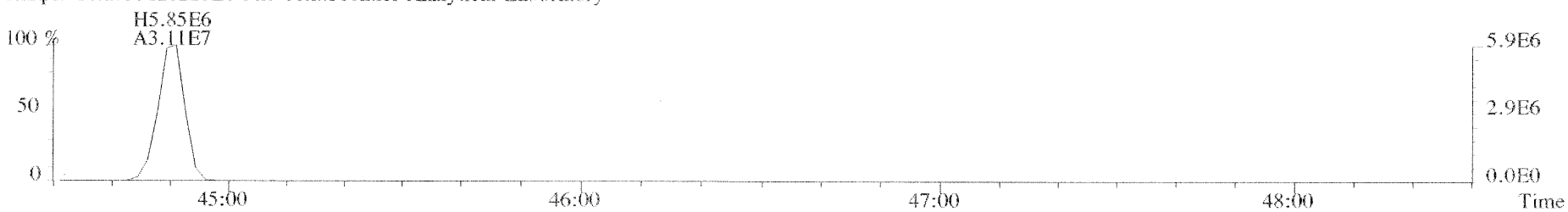
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



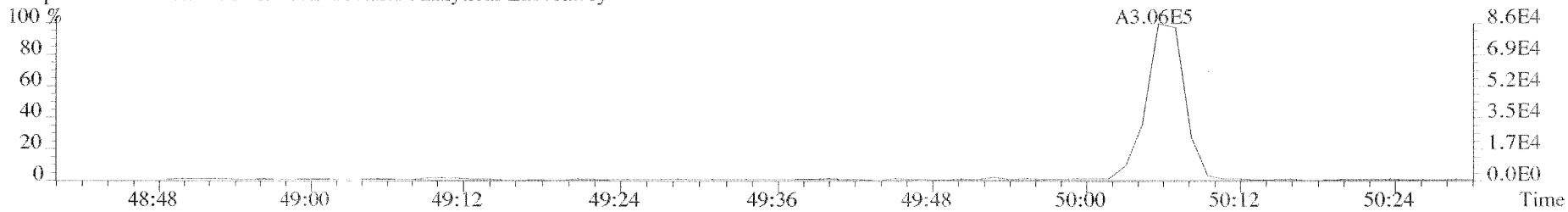
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



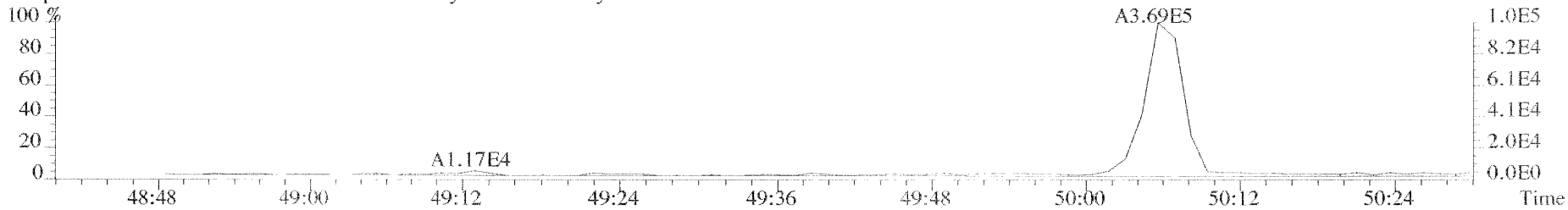
File:02DEC20Z #1-407 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



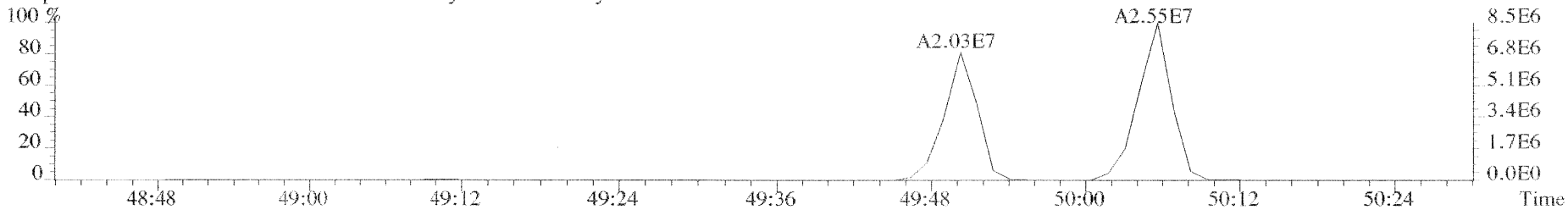
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



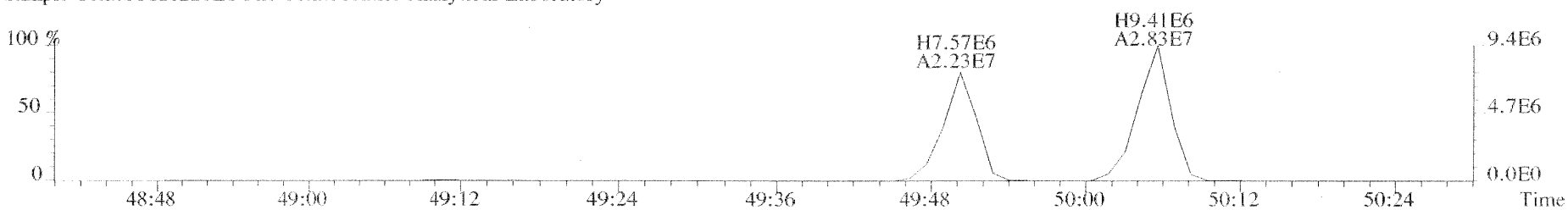
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



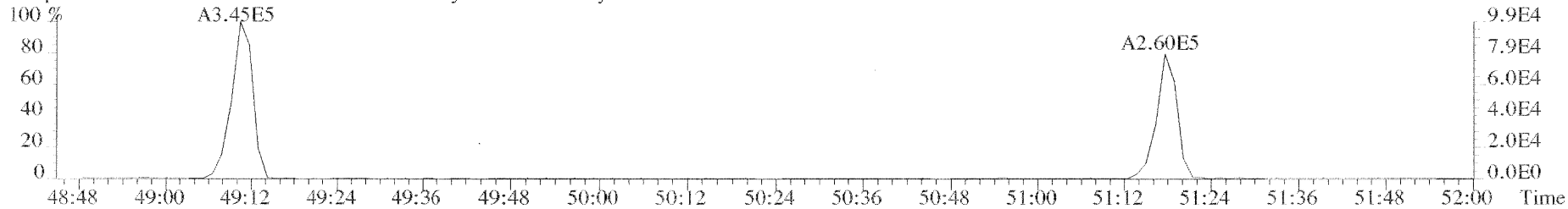
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



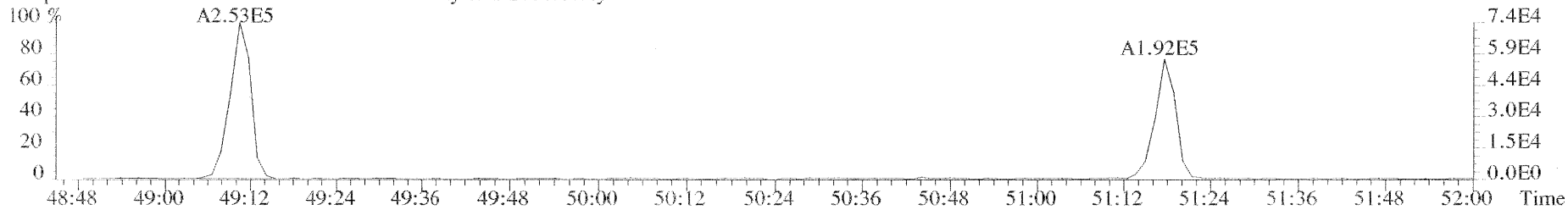
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



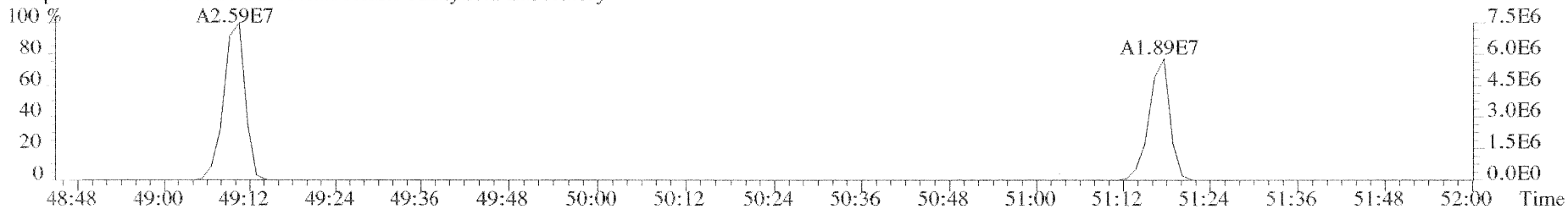
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



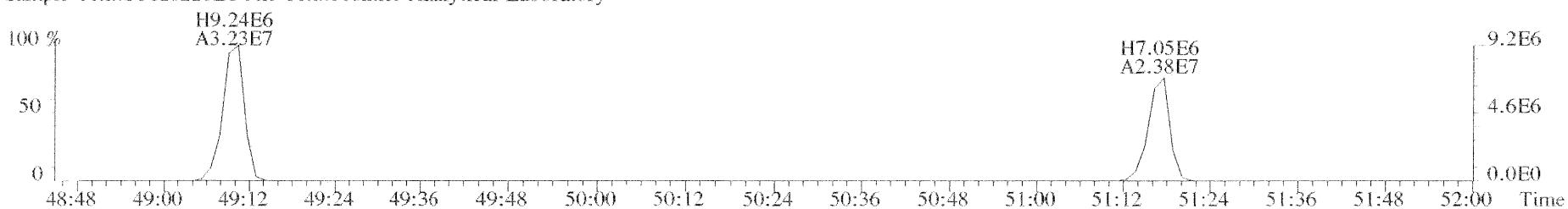
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



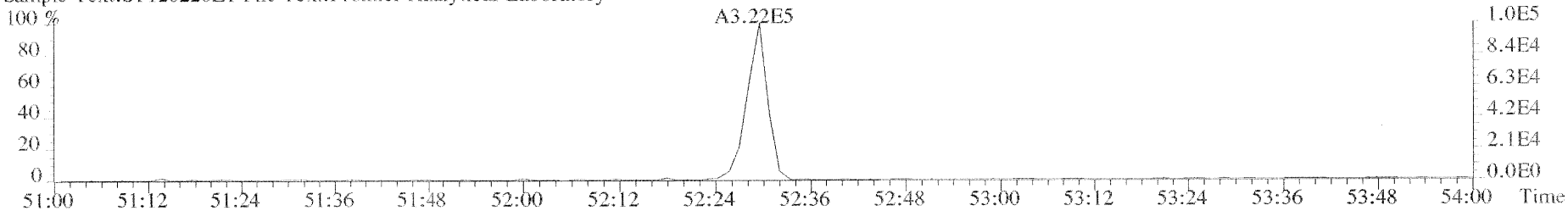
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



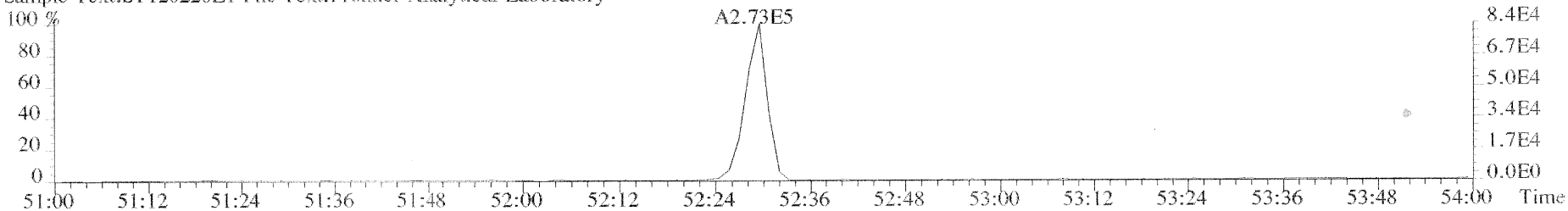
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



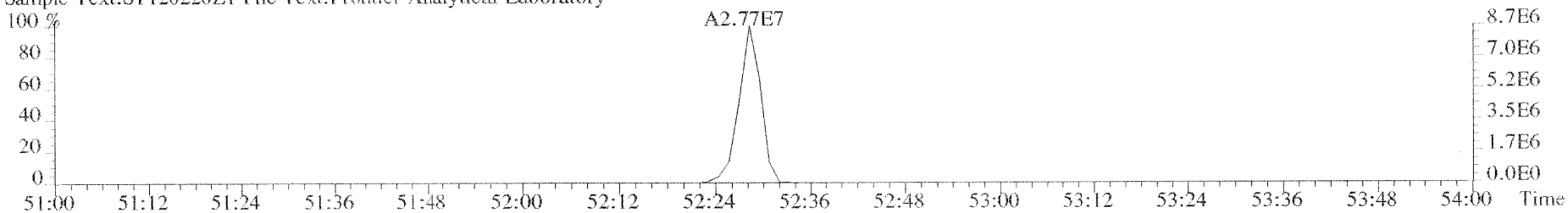
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



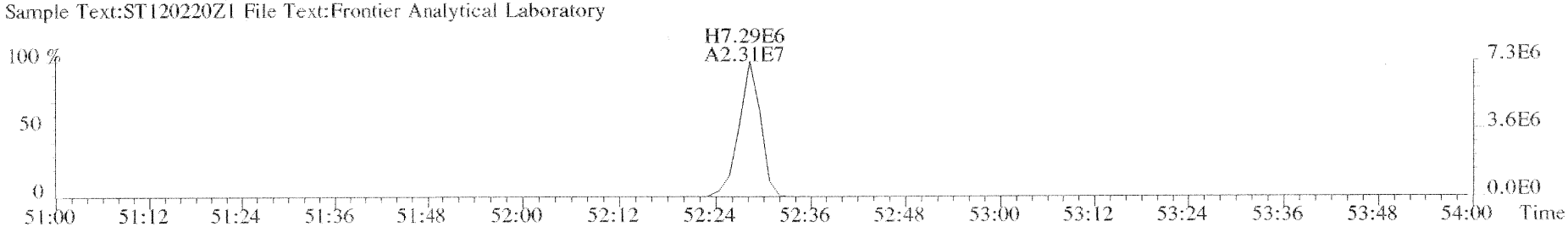
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



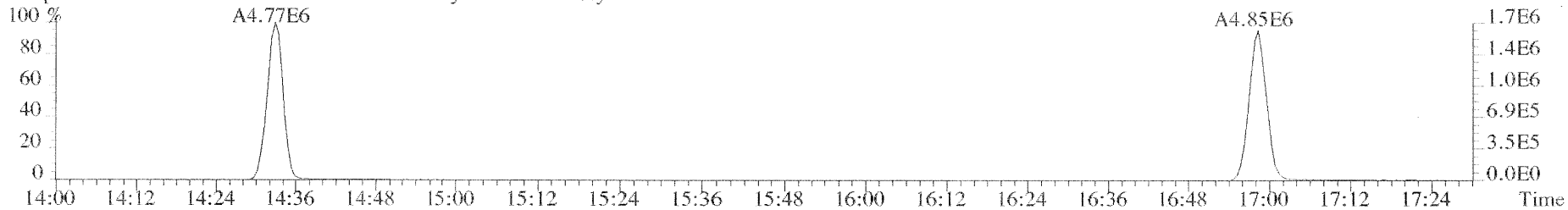
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



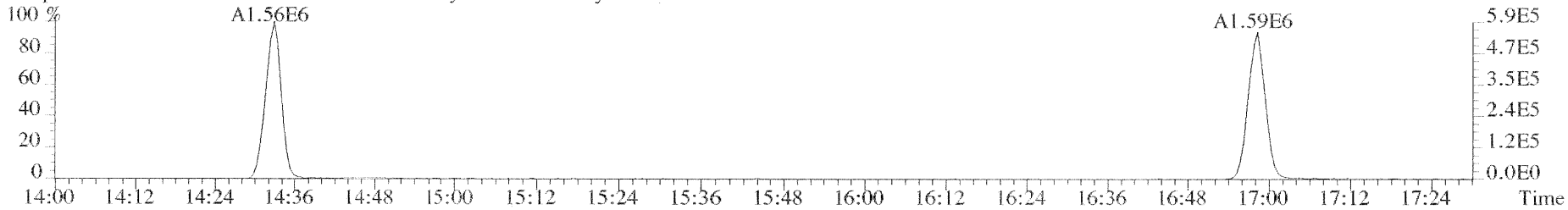
File:02DEC20Z #1-314 Acq: 2-DEC-2020 08:24:25 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z1 File Text:Frontier Analytical Laboratory



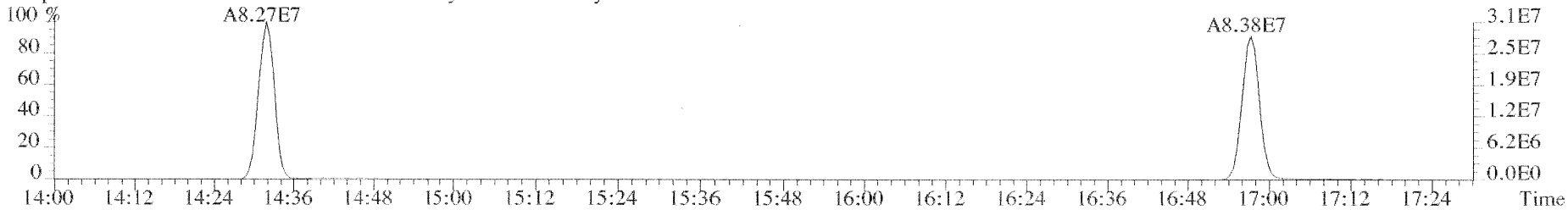
File:02DEC20Z #1-783 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



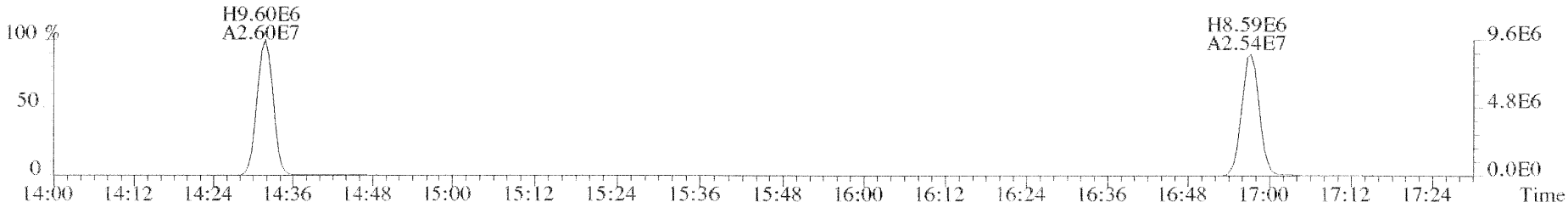
File:02DEC20Z #1-783 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



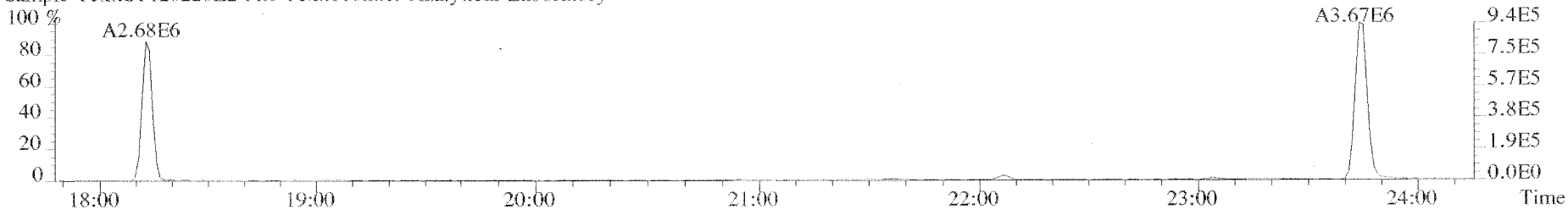
File:02DEC20Z #1-783 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



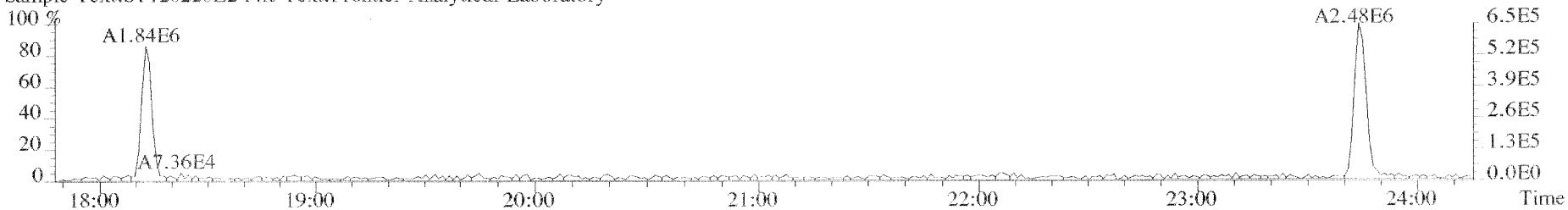
File:02DEC20Z #1-783 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



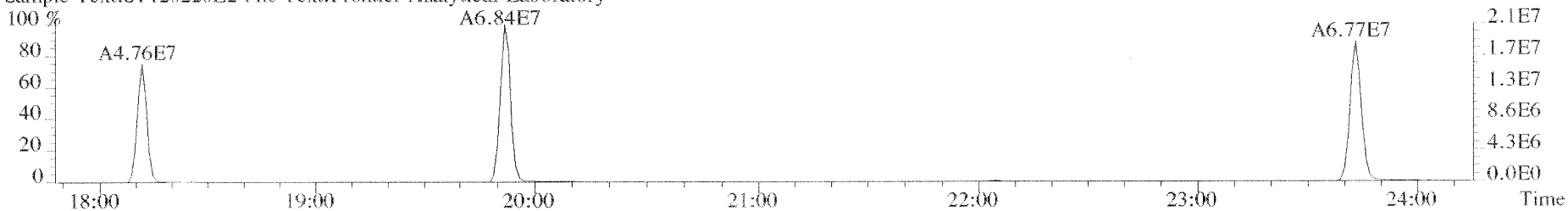
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



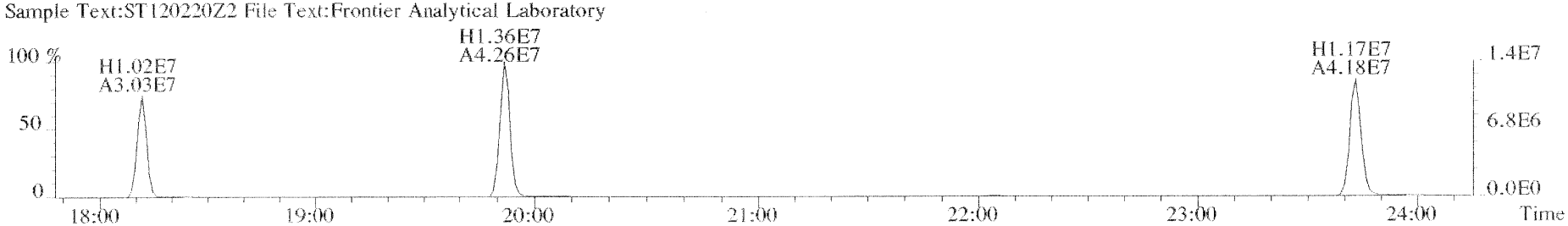
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



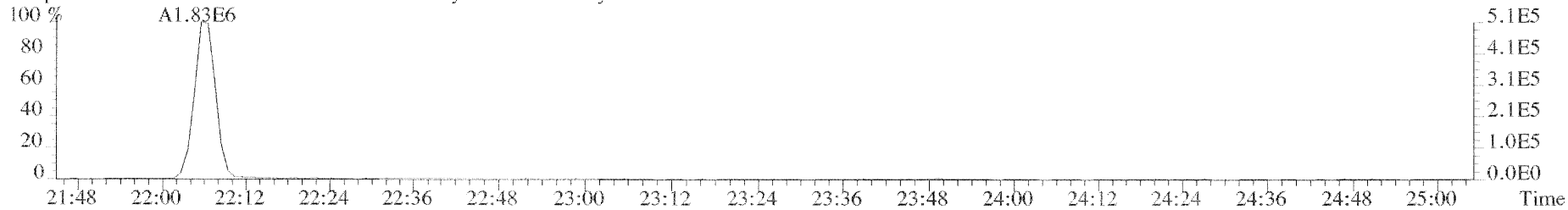
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



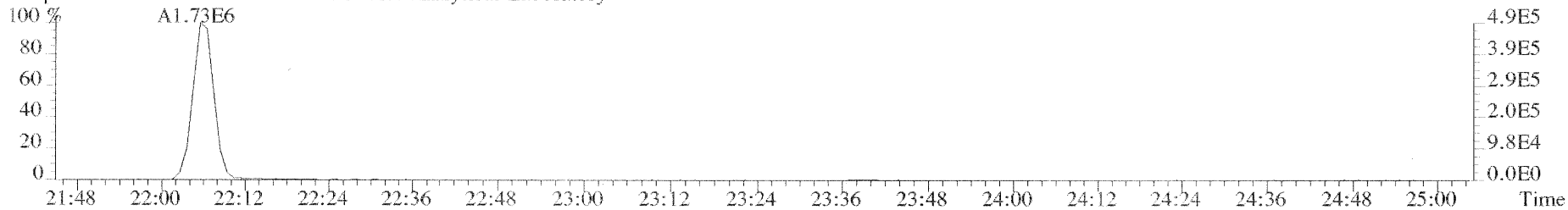
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



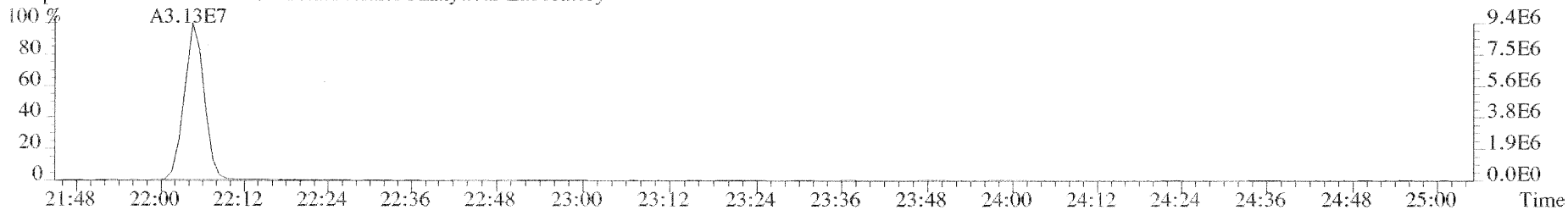
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



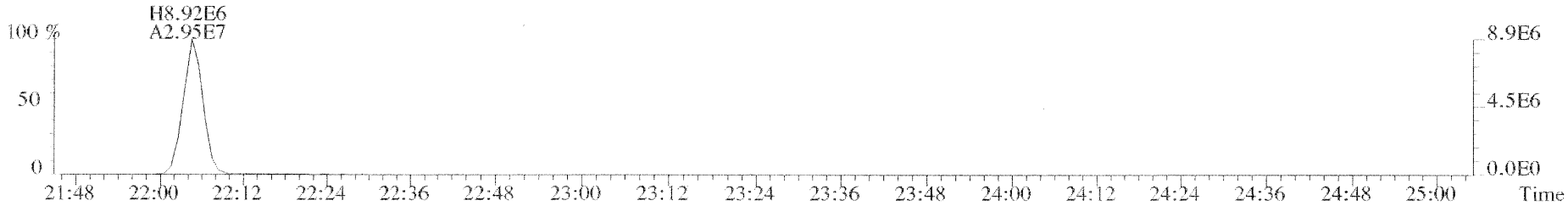
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



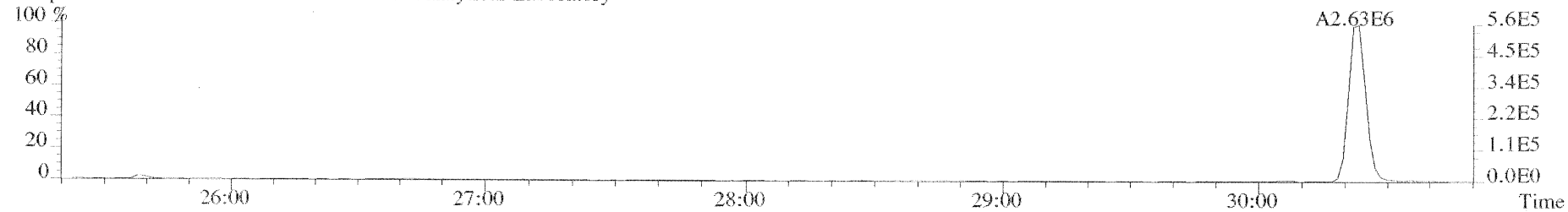
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



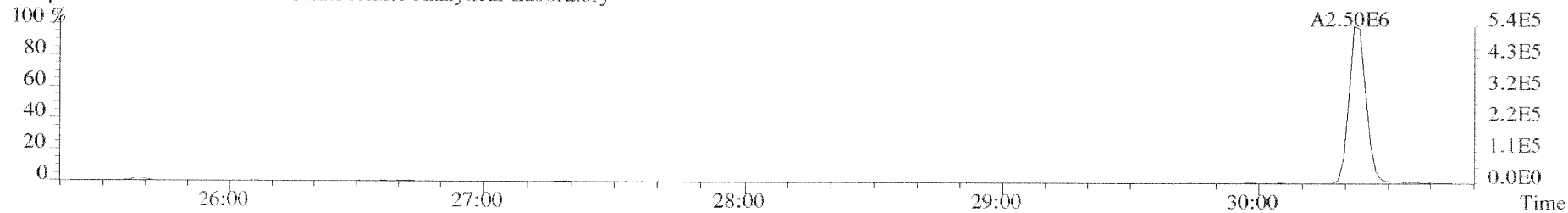
File:02DEC20Z #1-467 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



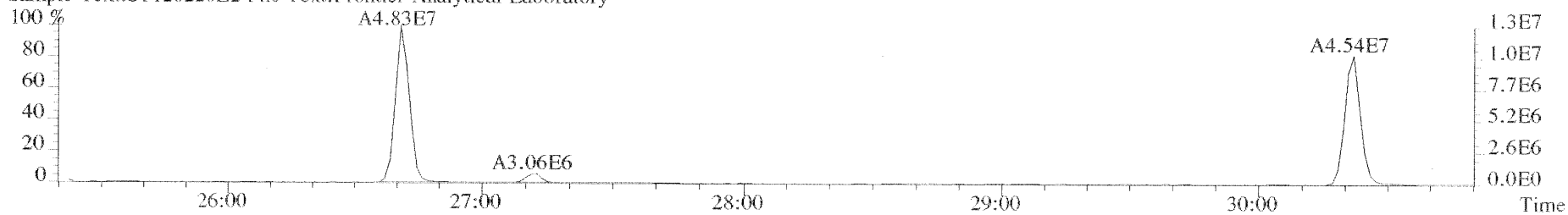
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



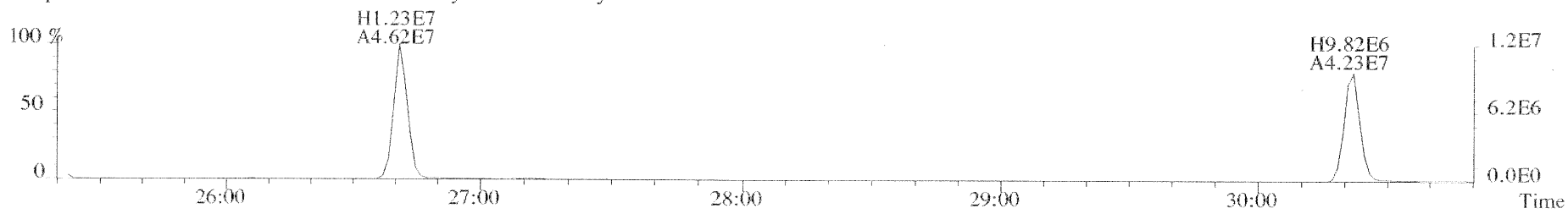
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



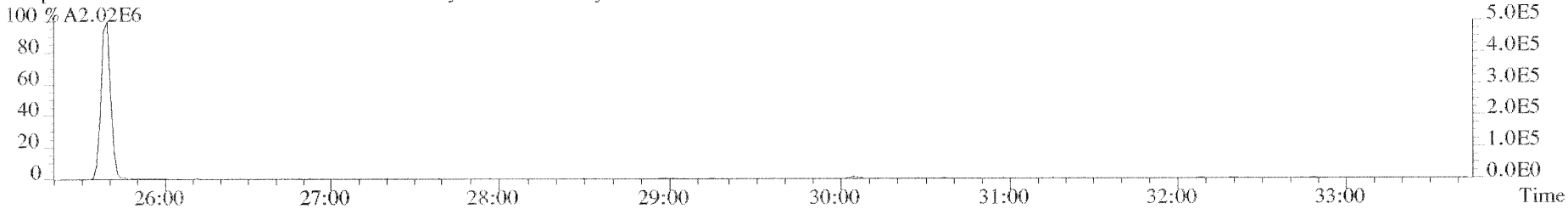
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



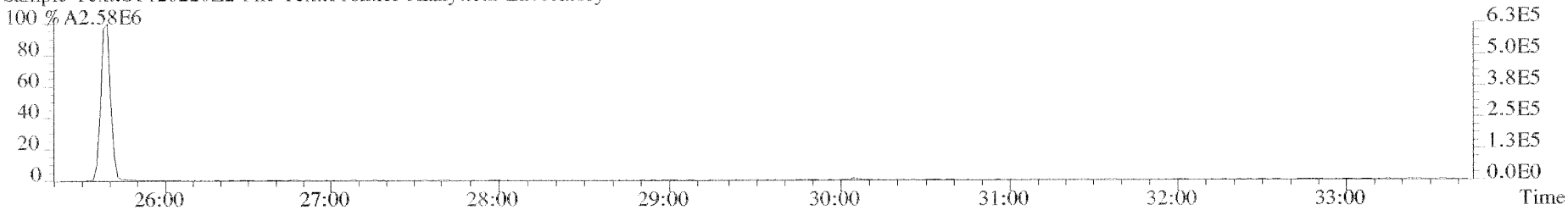
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



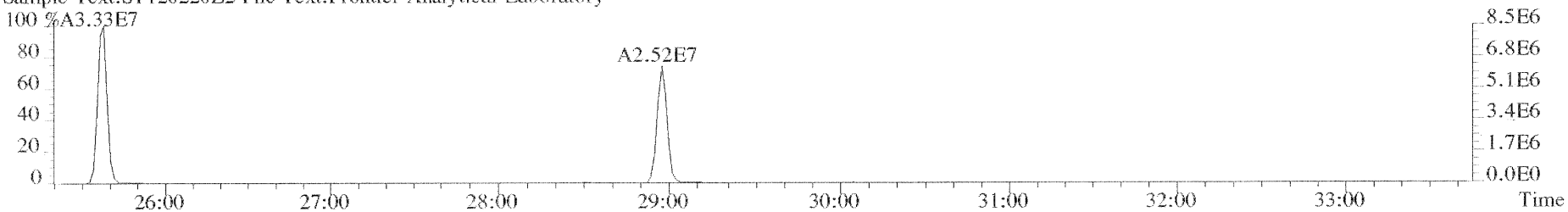
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



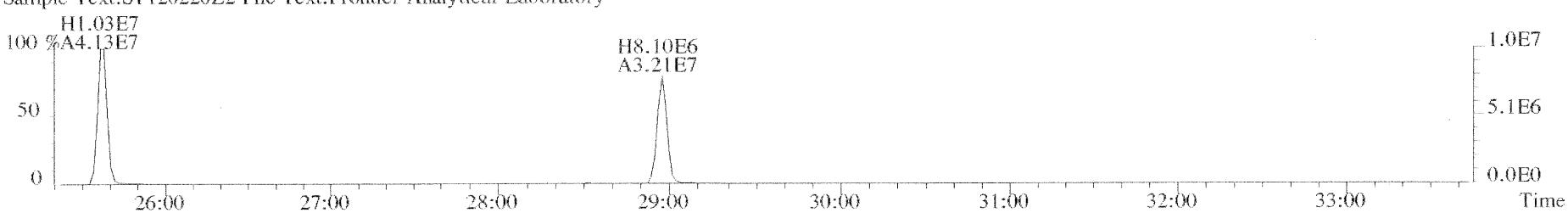
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



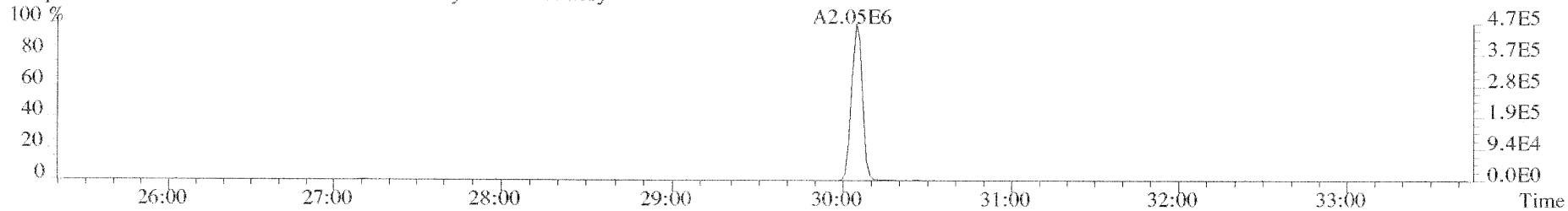
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



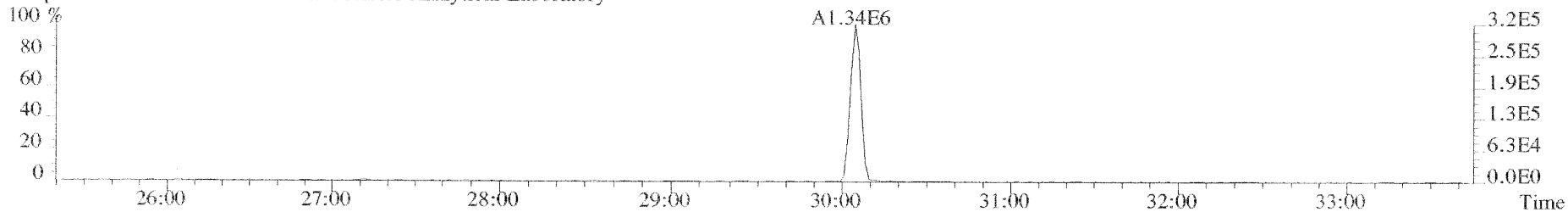
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



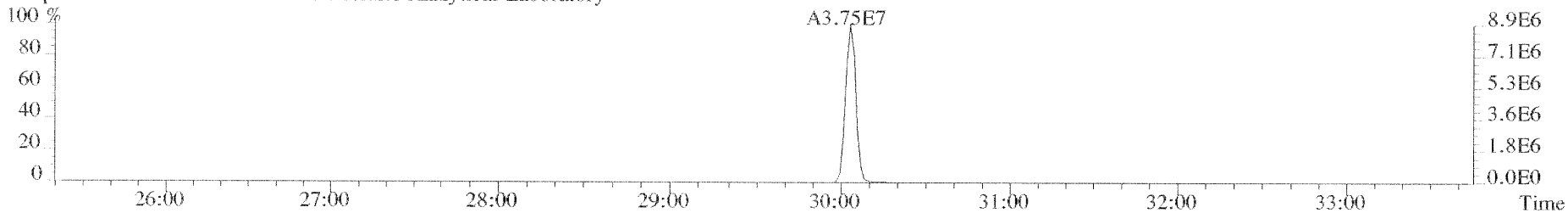
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



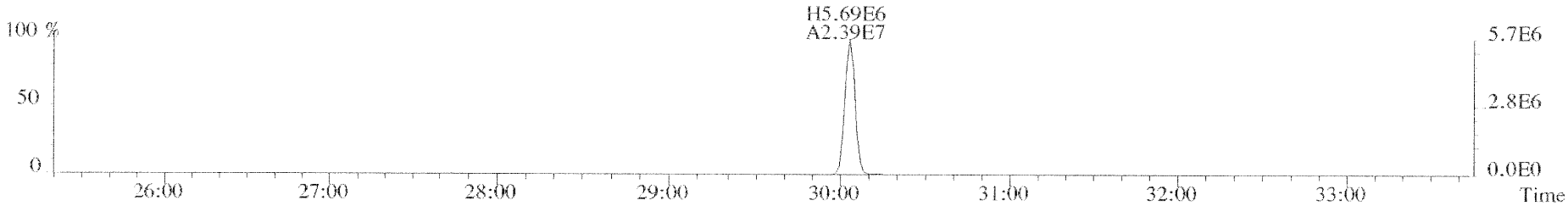
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



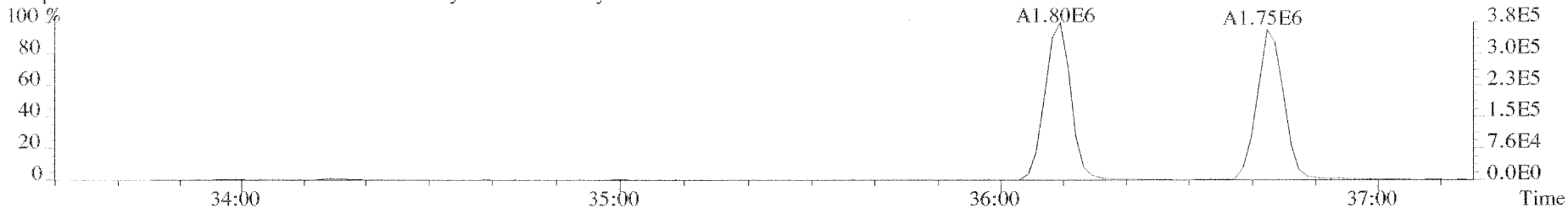
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



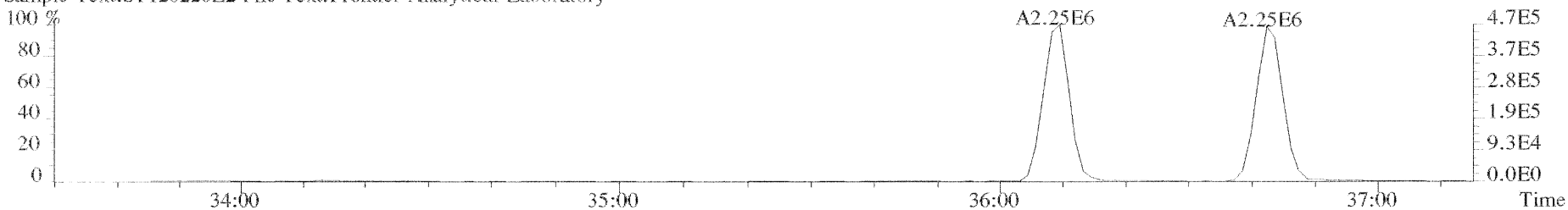
File:02DEC20Z #1-397 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



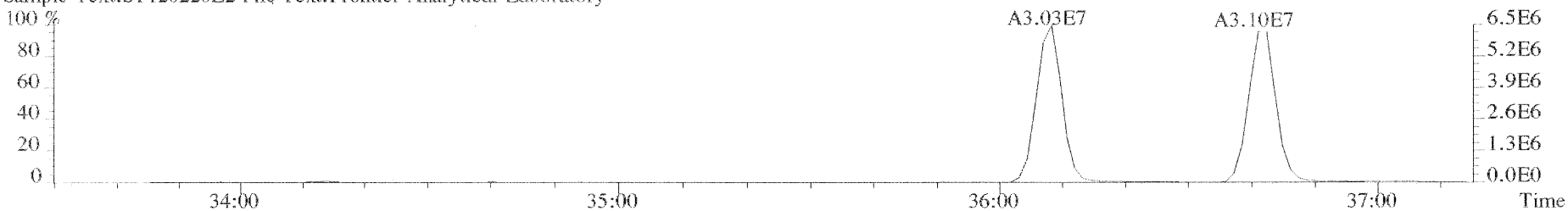
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



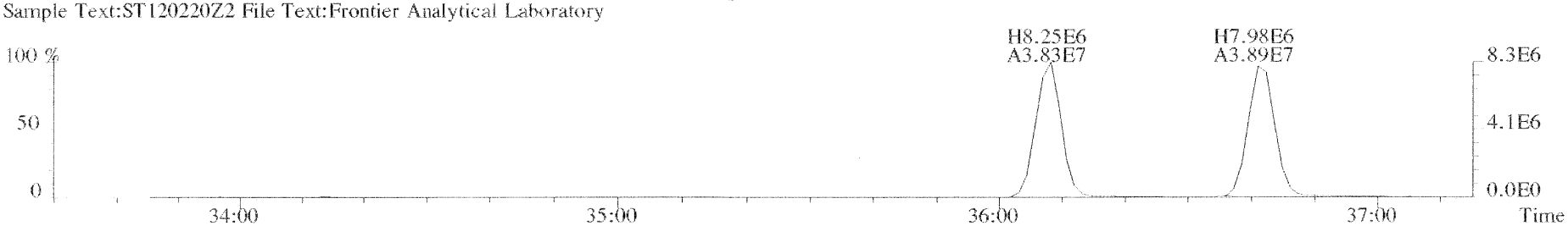
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



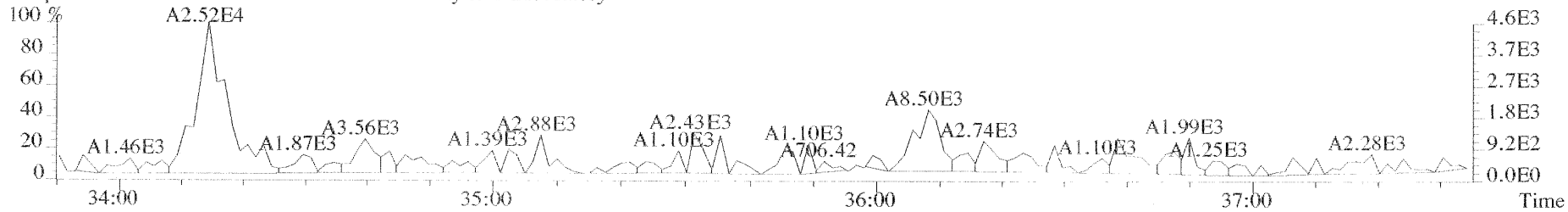
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



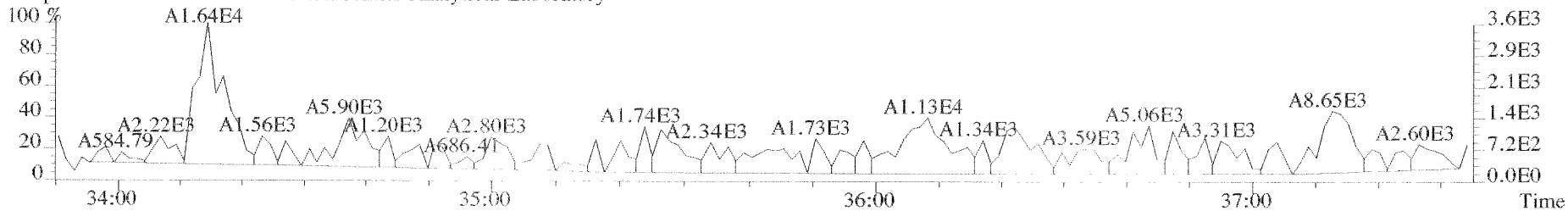
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



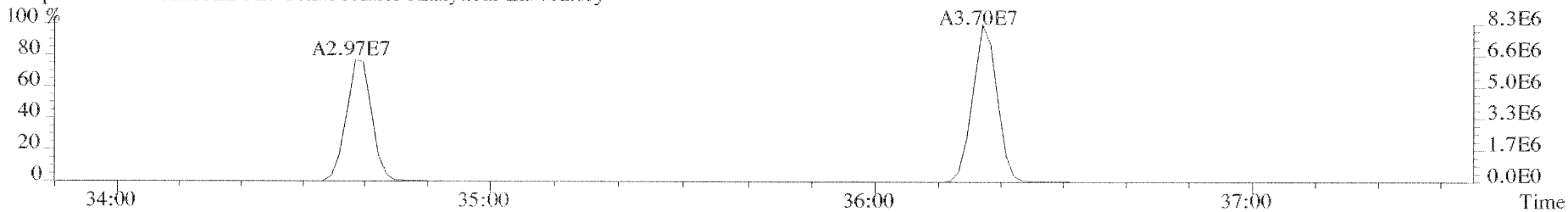
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



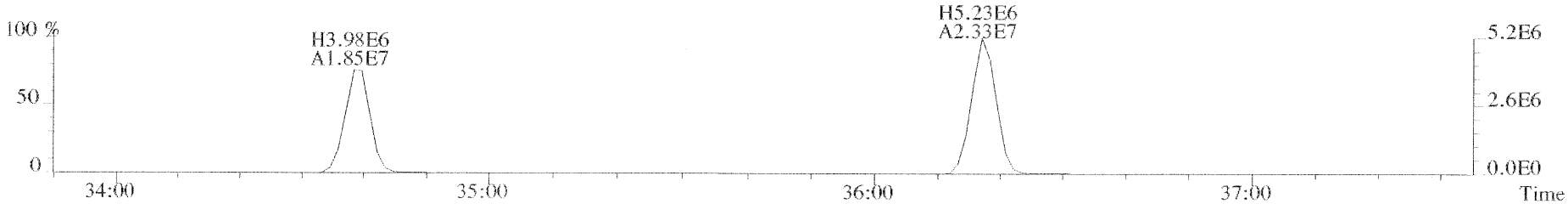
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



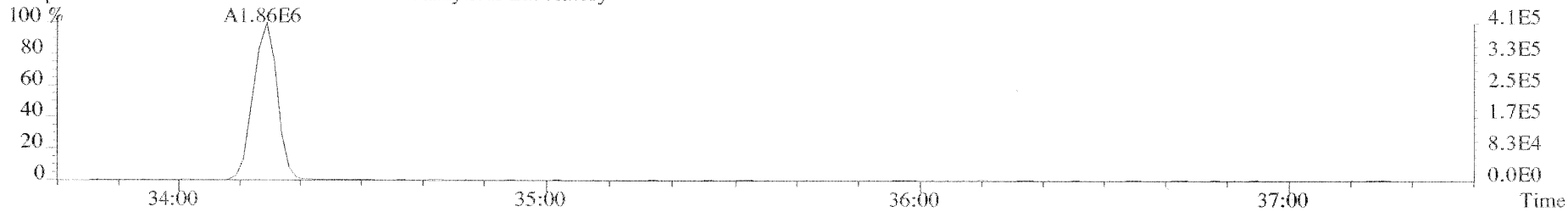
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



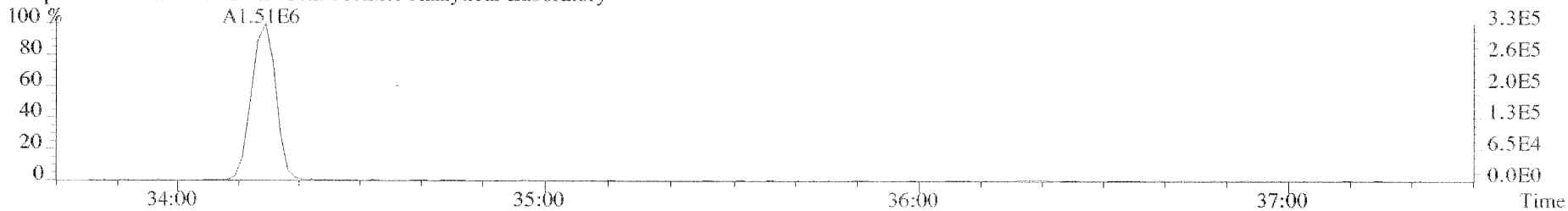
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



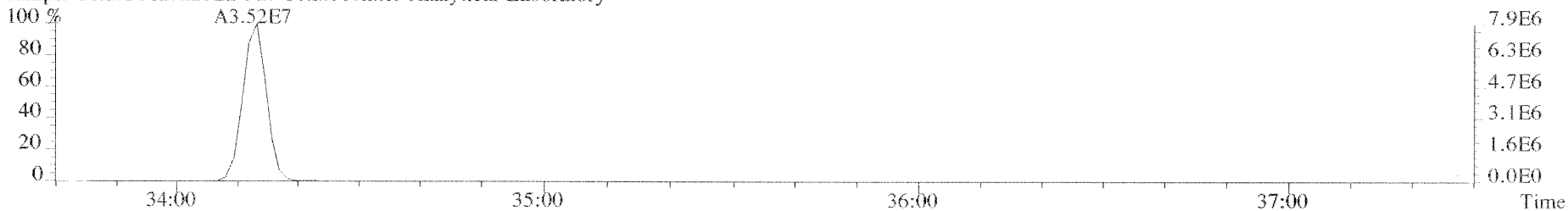
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



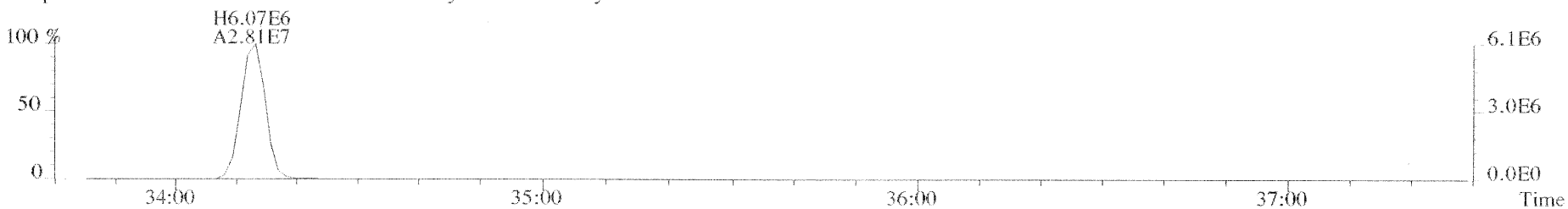
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



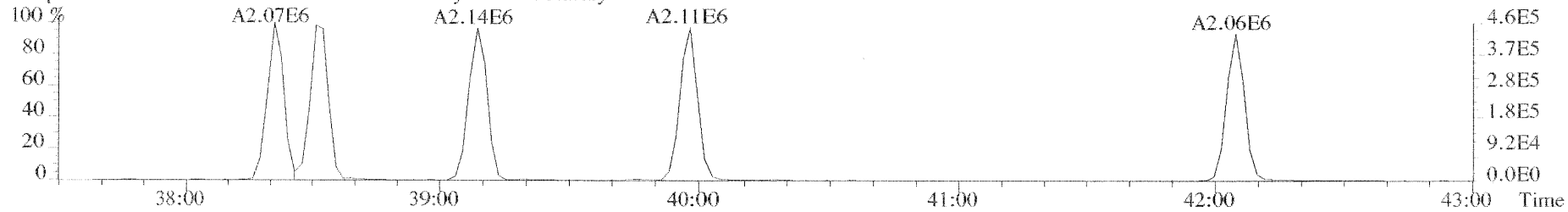
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



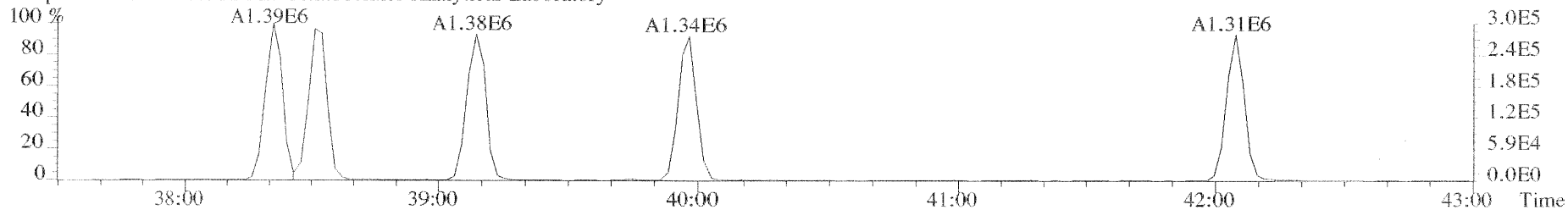
File:02DEC20Z #1-183 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



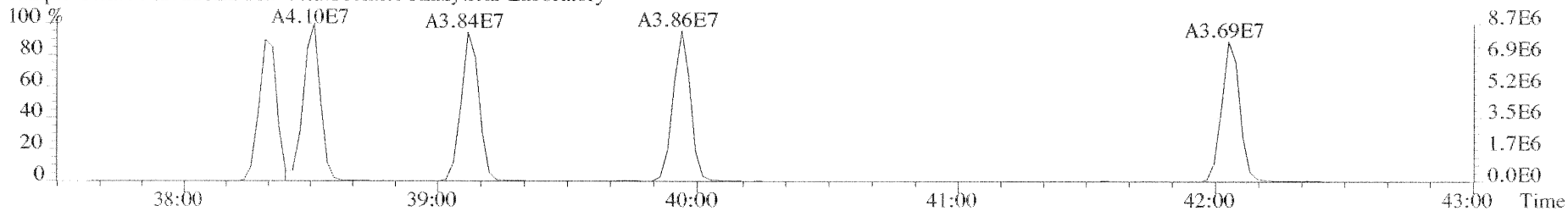
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



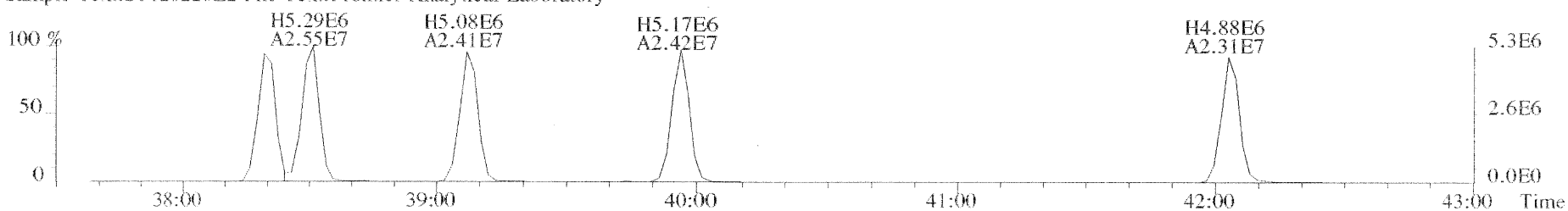
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



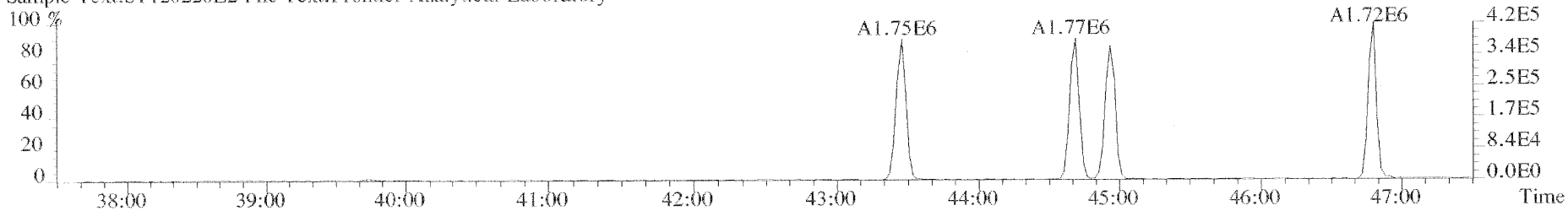
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



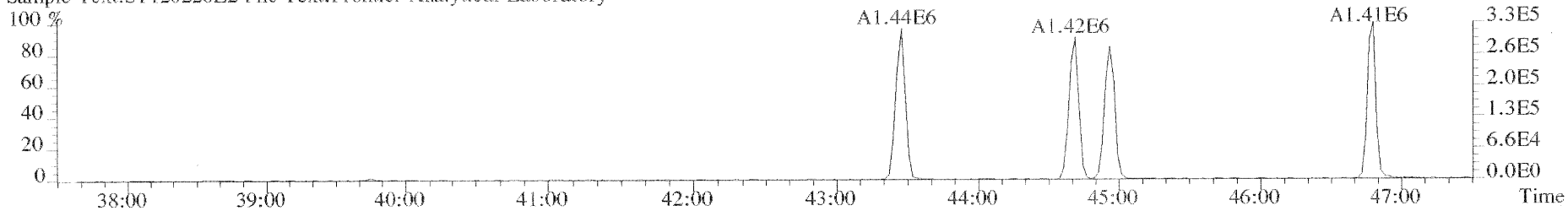
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



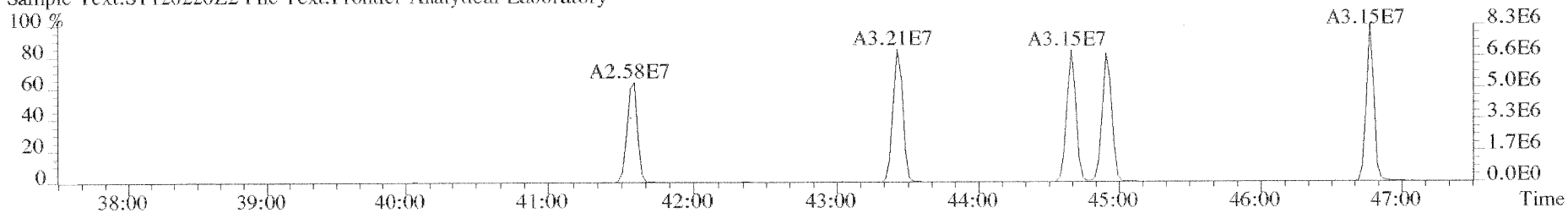
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



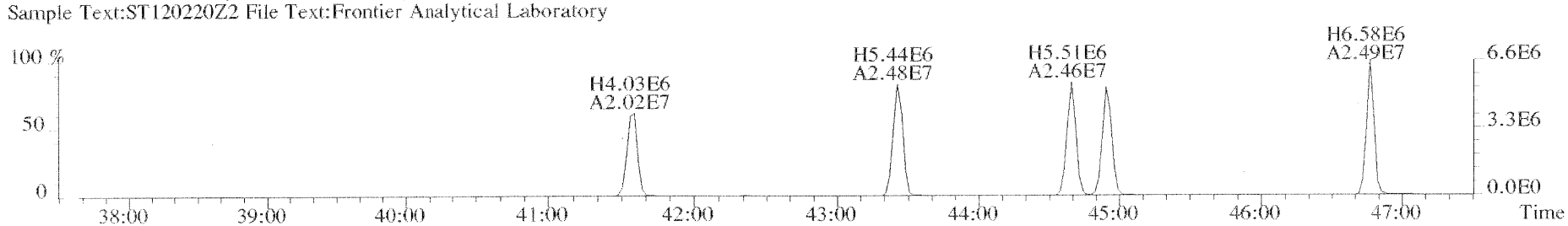
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



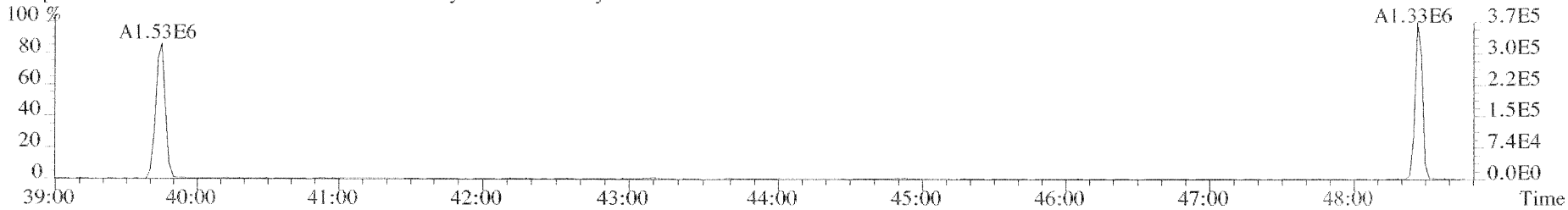
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



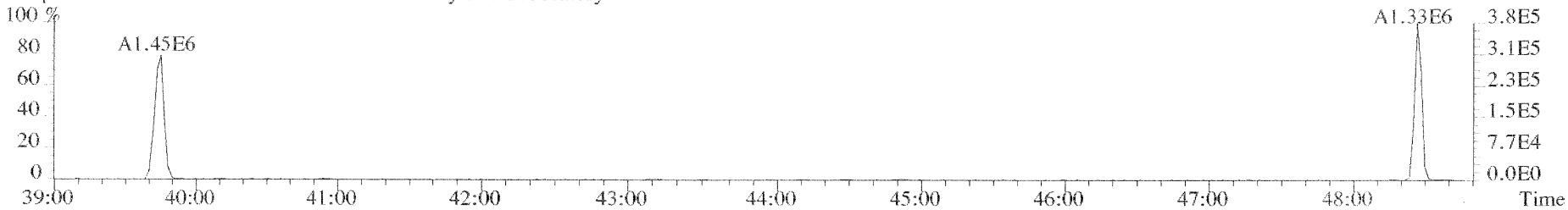
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



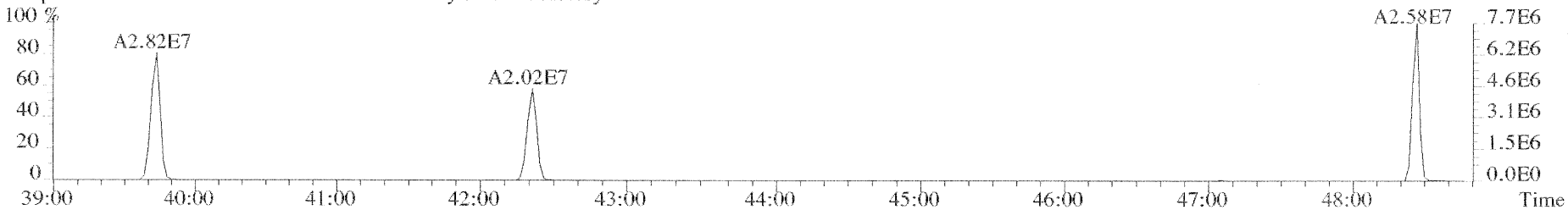
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



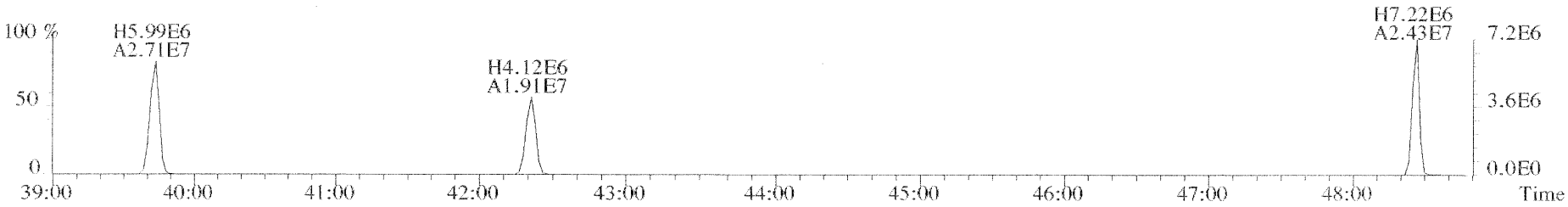
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



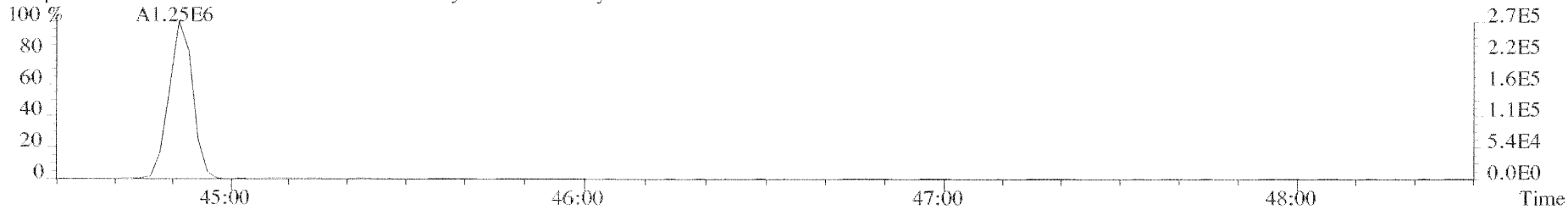
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



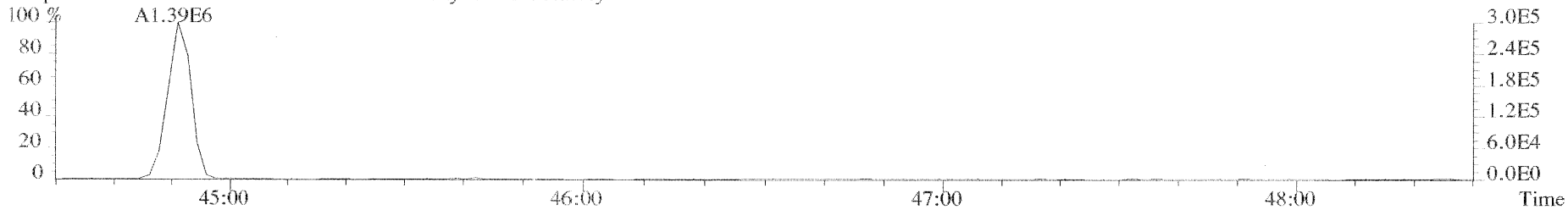
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



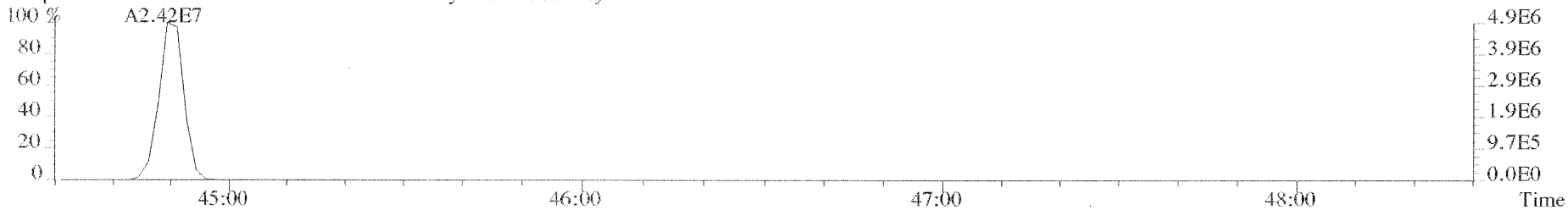
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



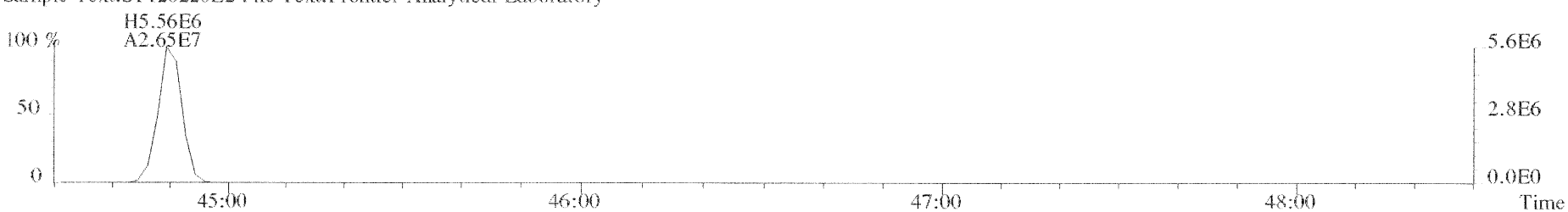
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



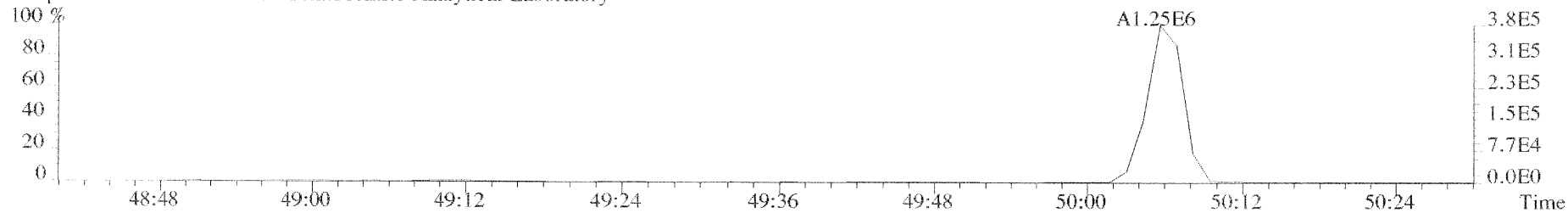
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



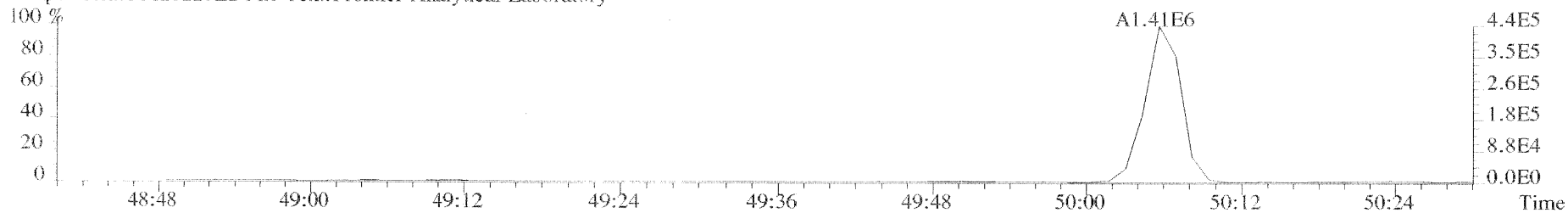
File:02DEC20Z #1-407 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



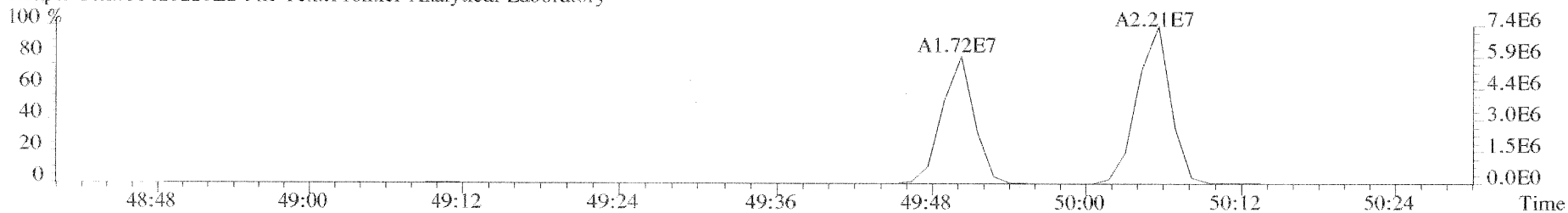
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



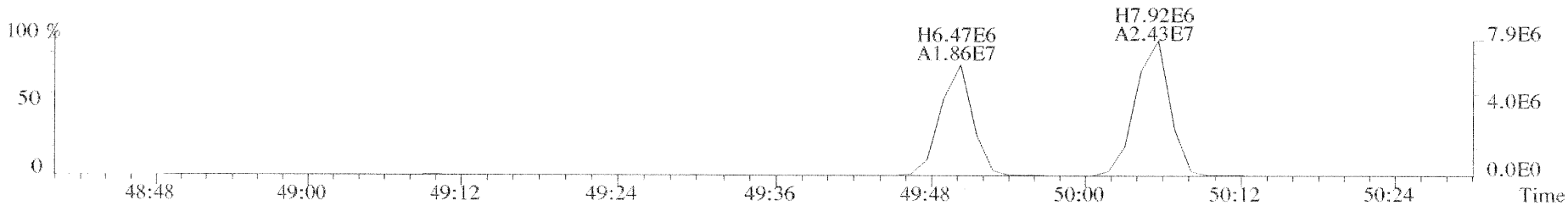
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



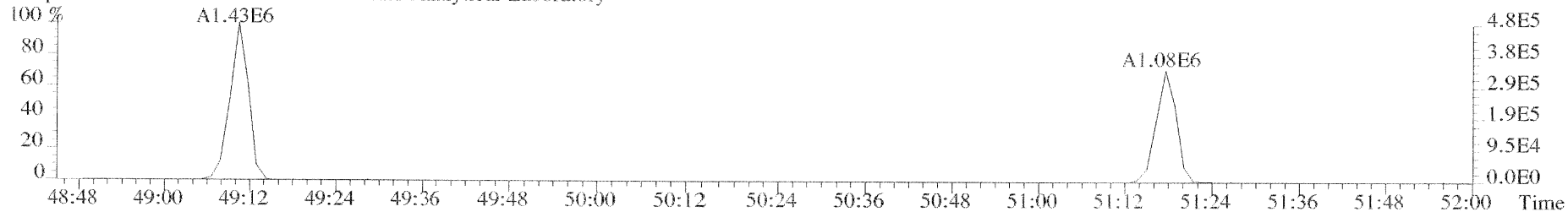
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



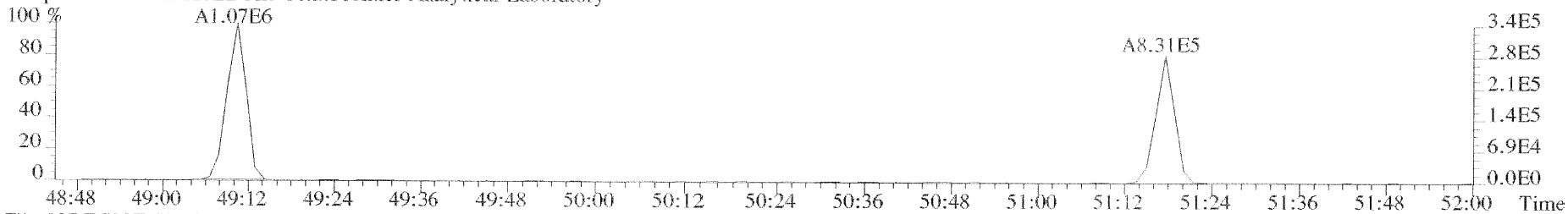
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



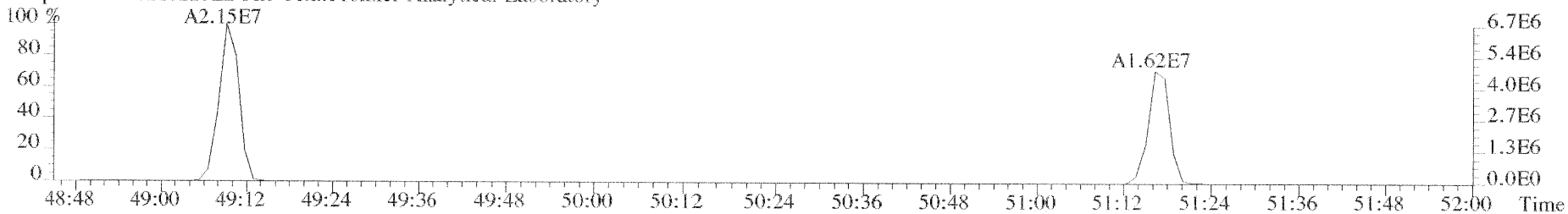
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



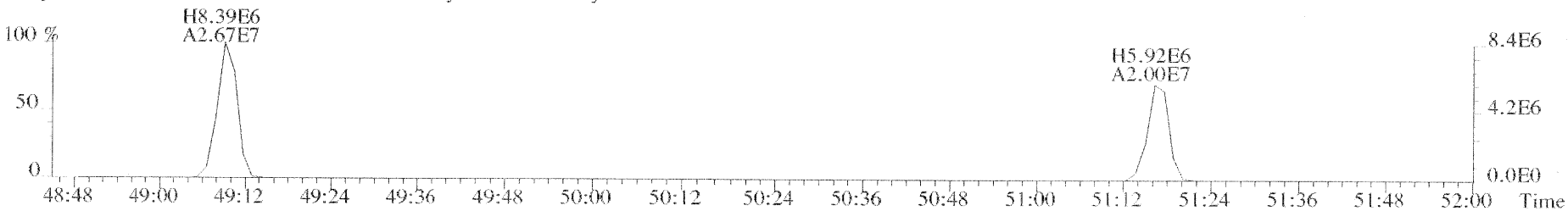
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



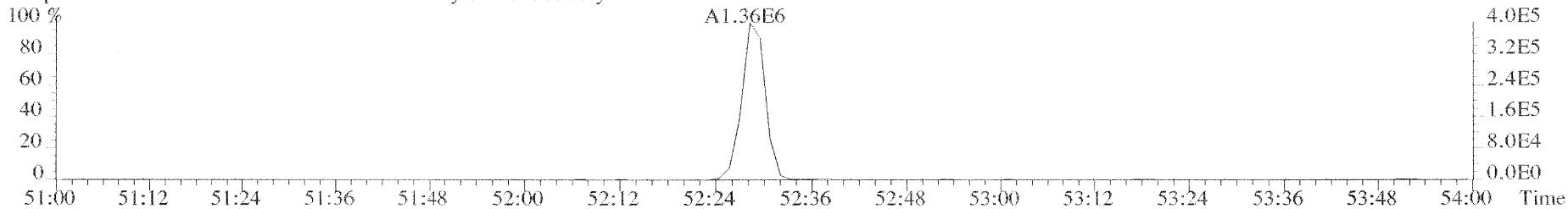
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



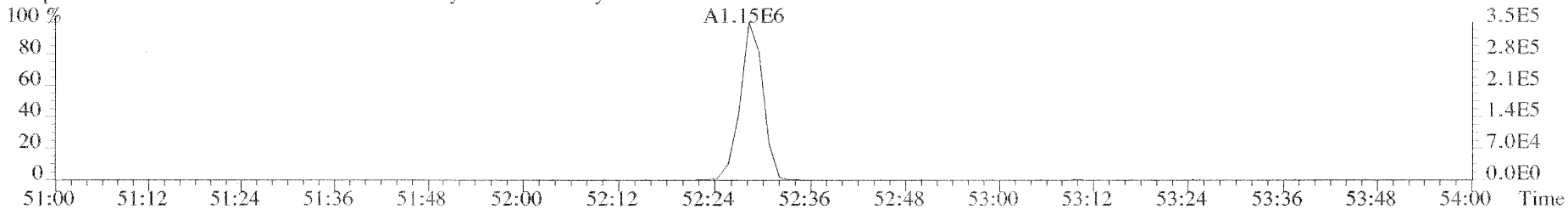
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



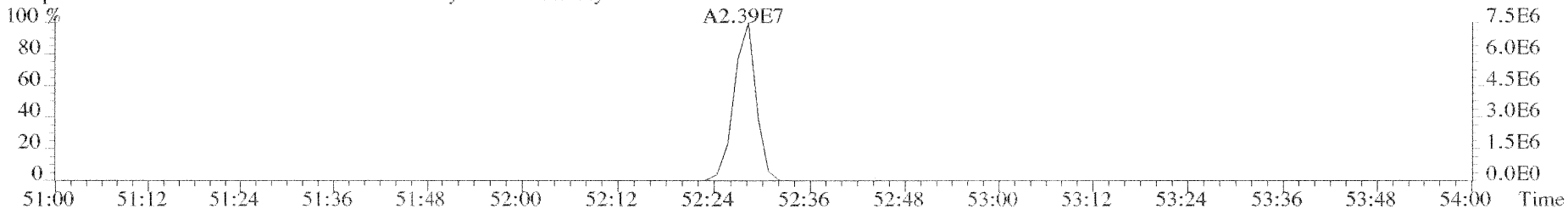
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



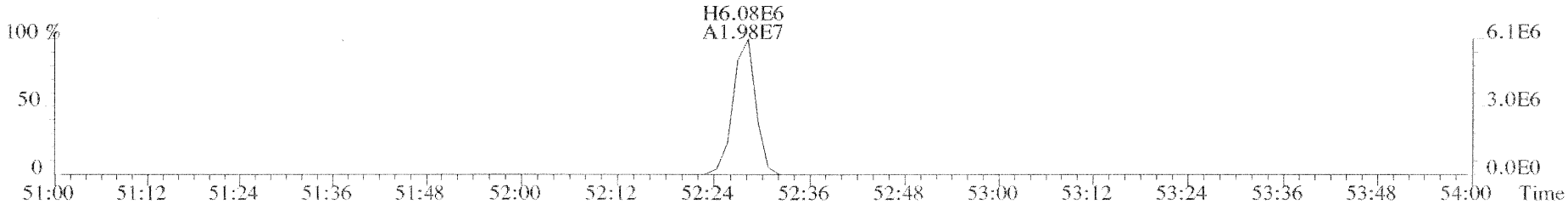
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



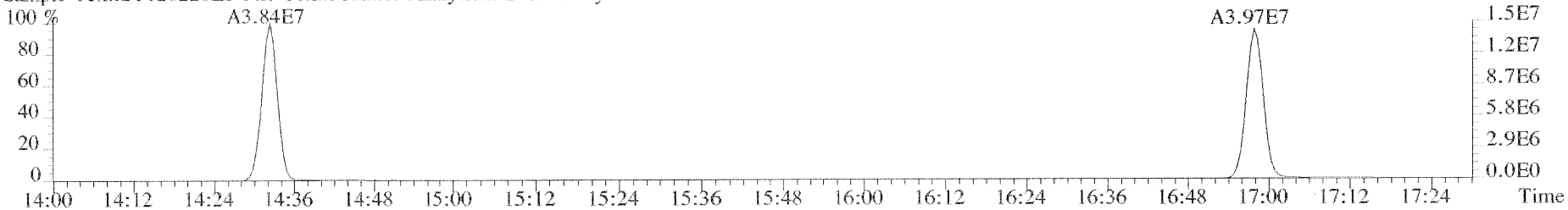
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



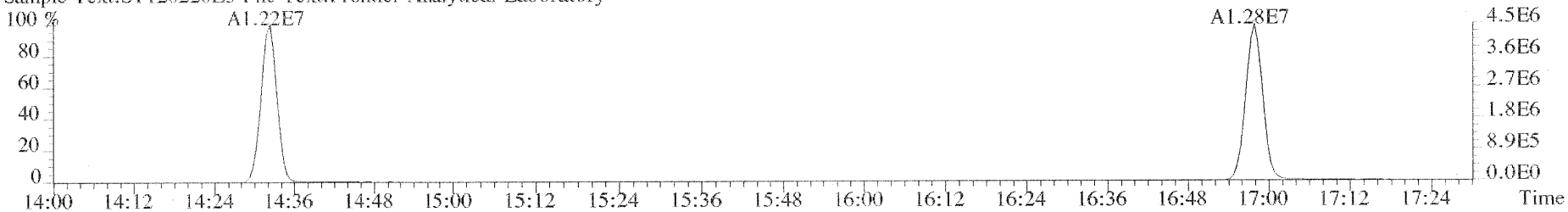
File:02DEC20Z #1-314 Acq: 2-DEC-2020 09:22:47 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z2 File Text:Frontier Analytical Laboratory



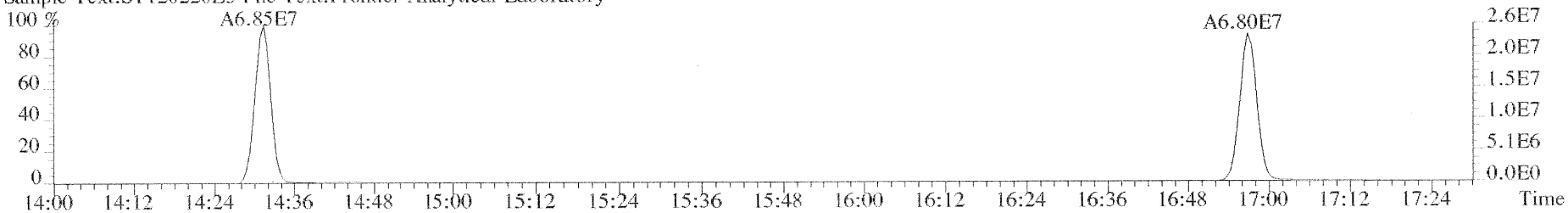
File:02DEC20Z #1-783 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



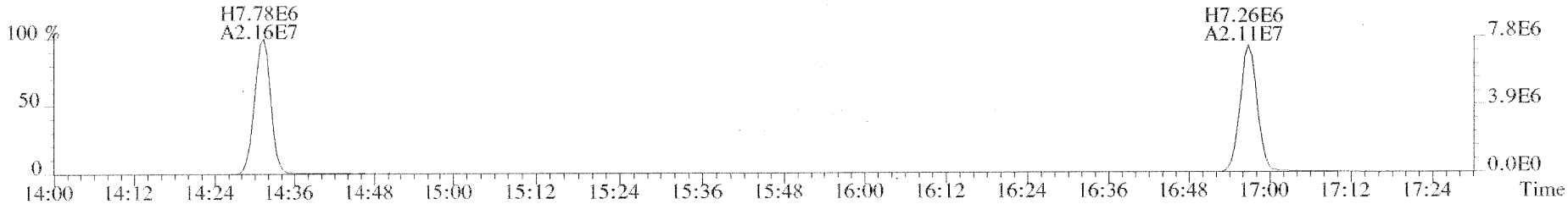
File:02DEC20Z #1-783 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



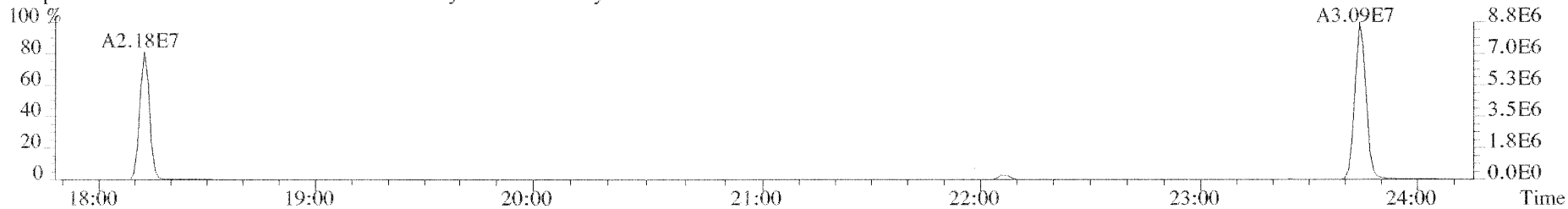
File:02DEC20Z #1-783 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



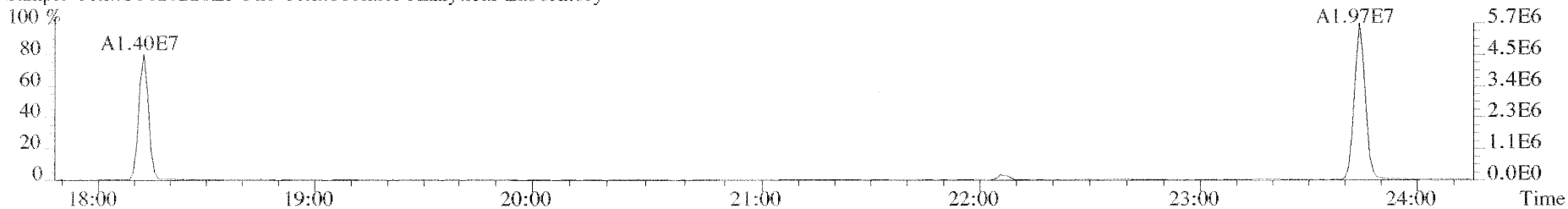
File:02DEC20Z #1-783 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



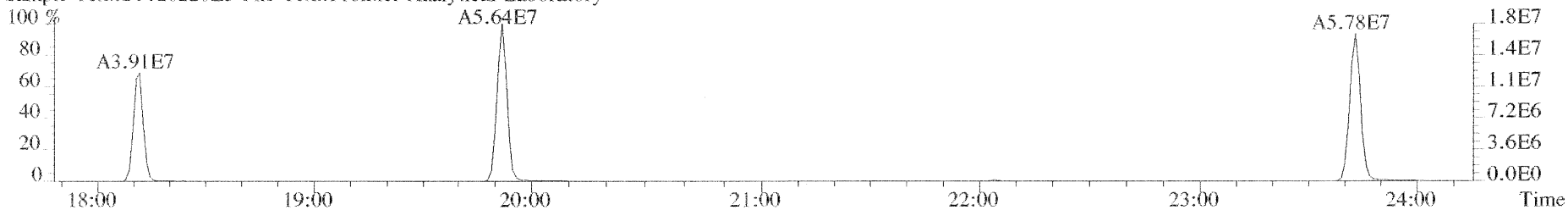
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



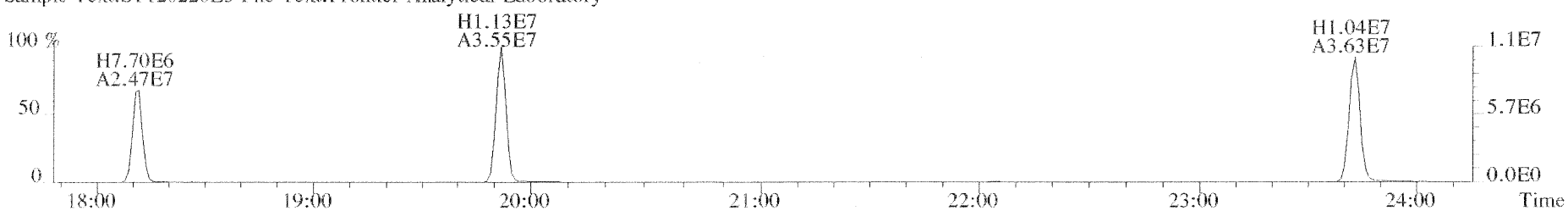
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



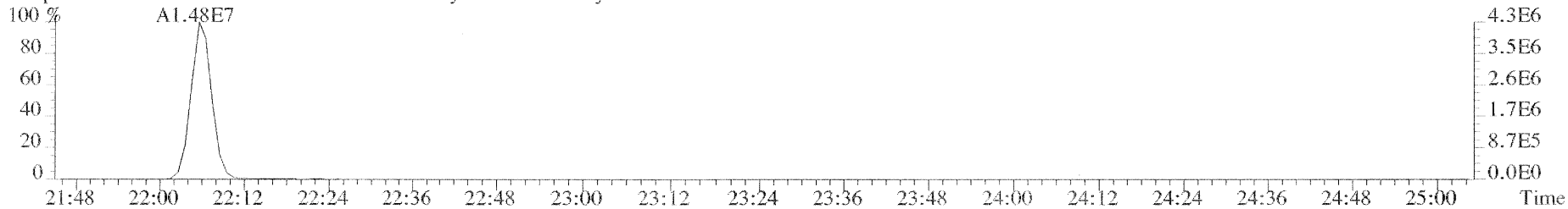
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



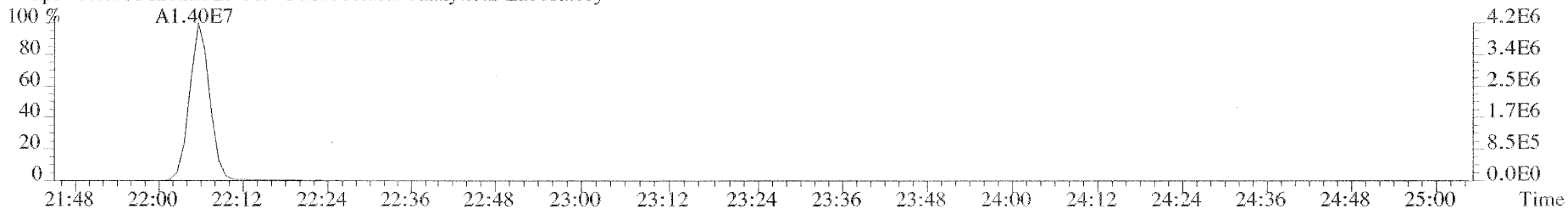
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



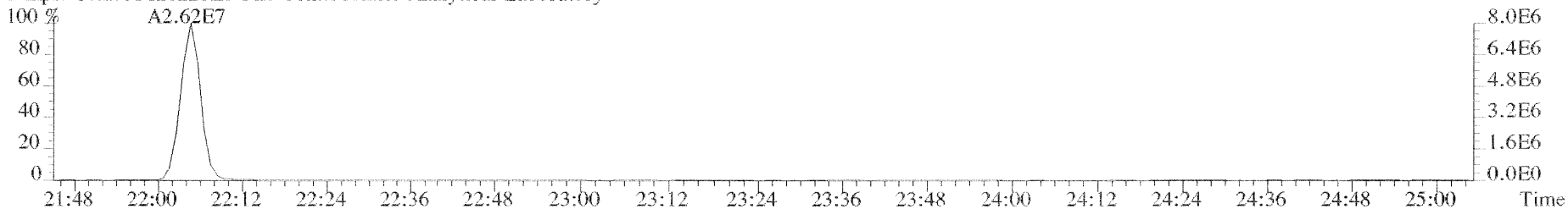
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



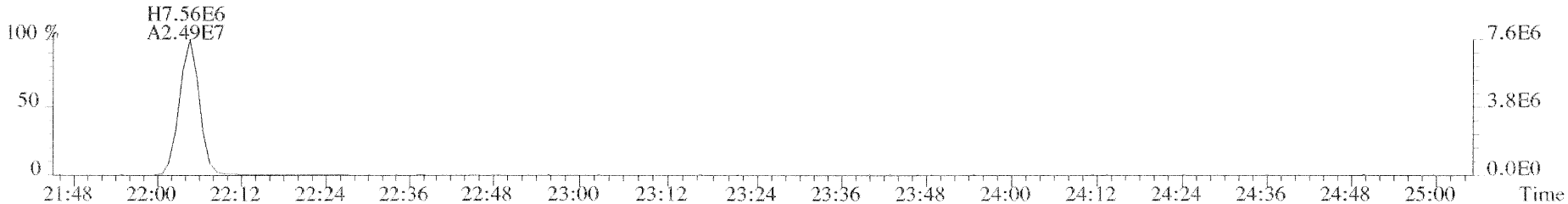
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



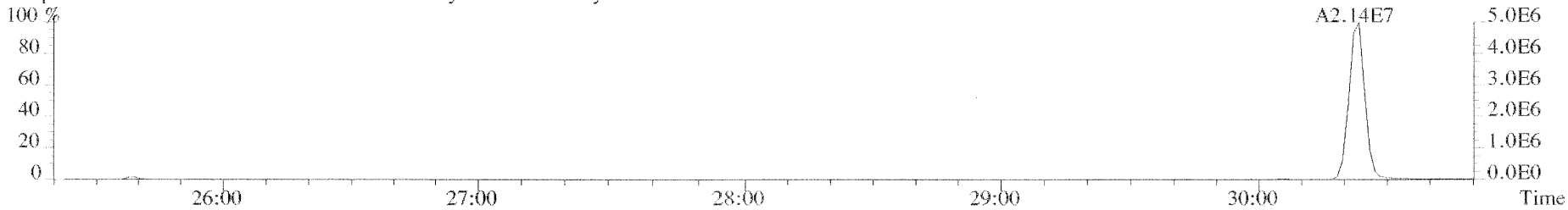
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



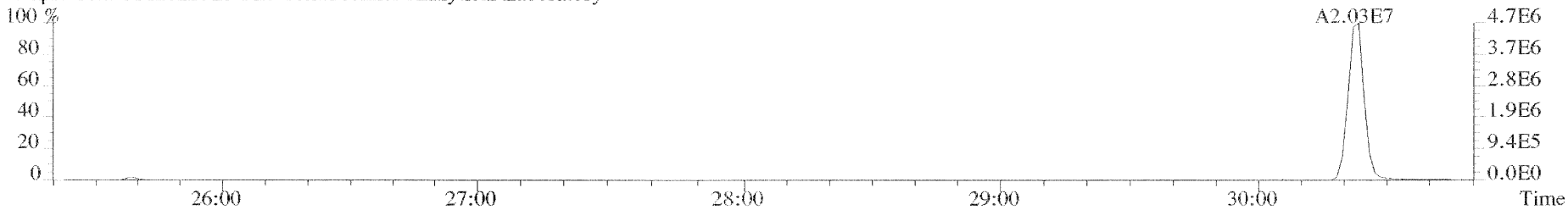
File:02DEC20Z #1-467 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



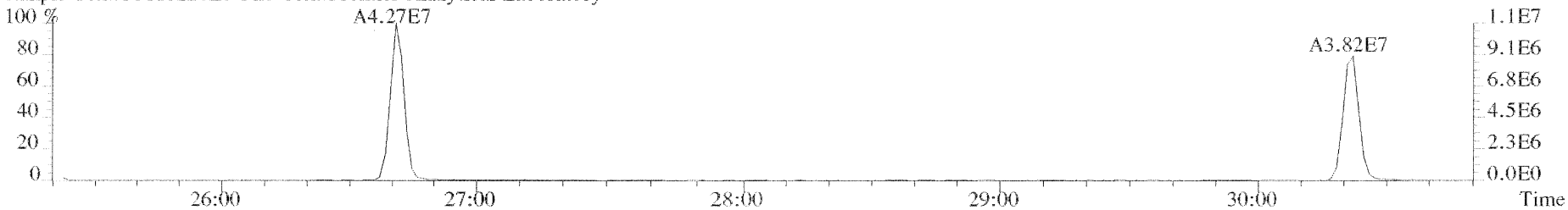
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



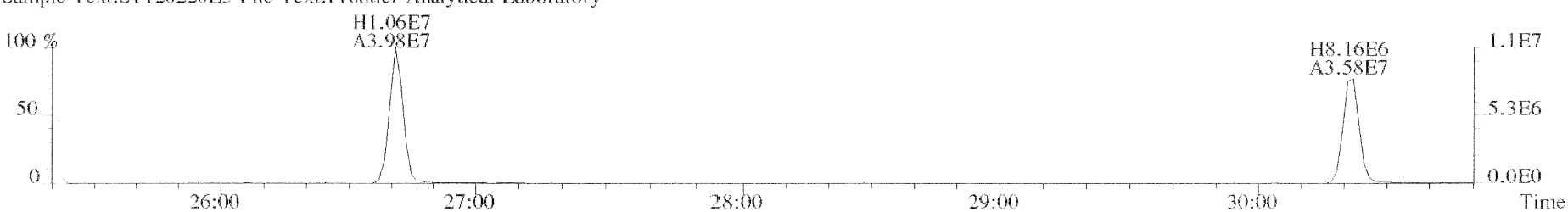
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



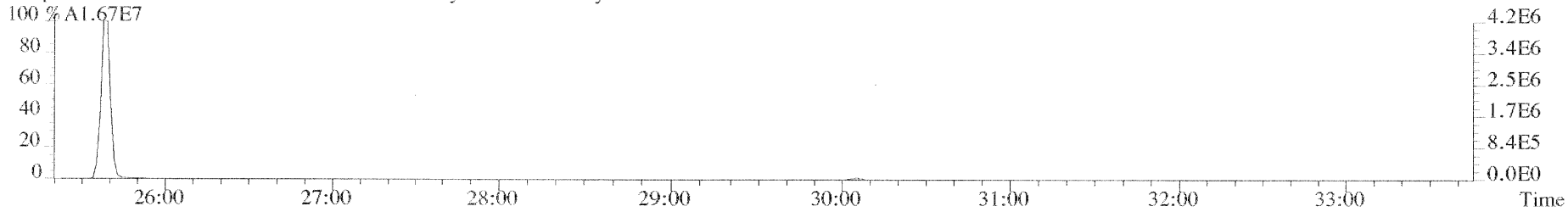
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



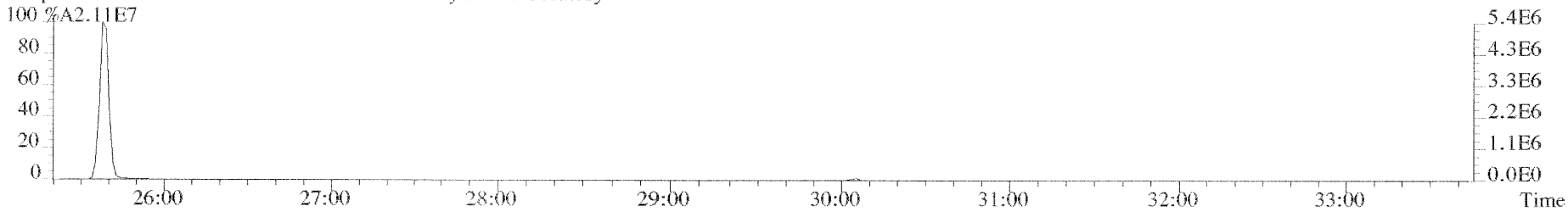
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



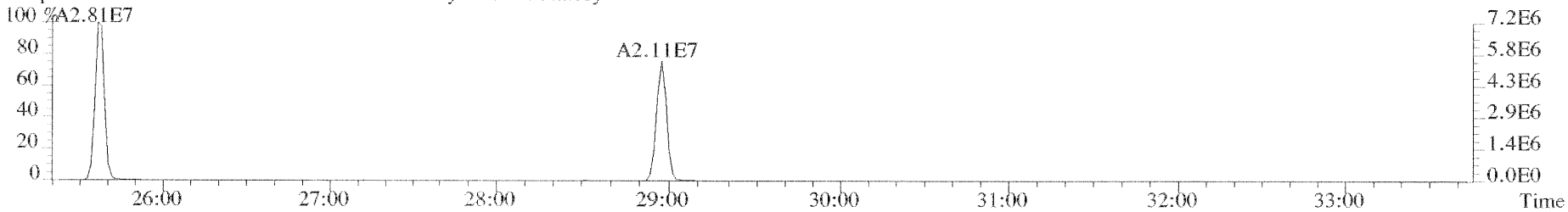
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



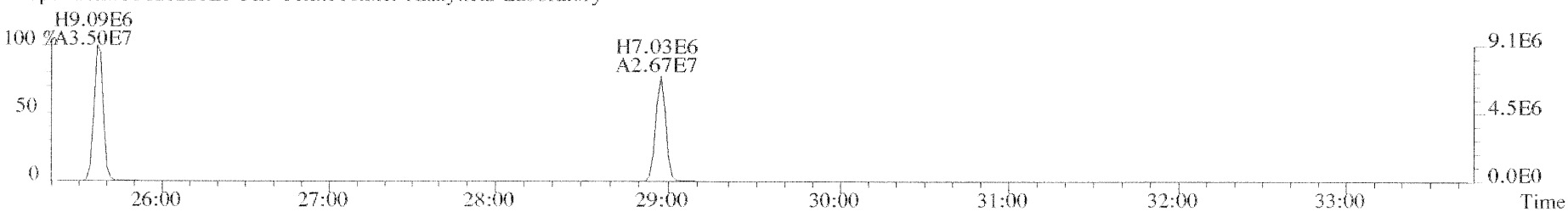
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



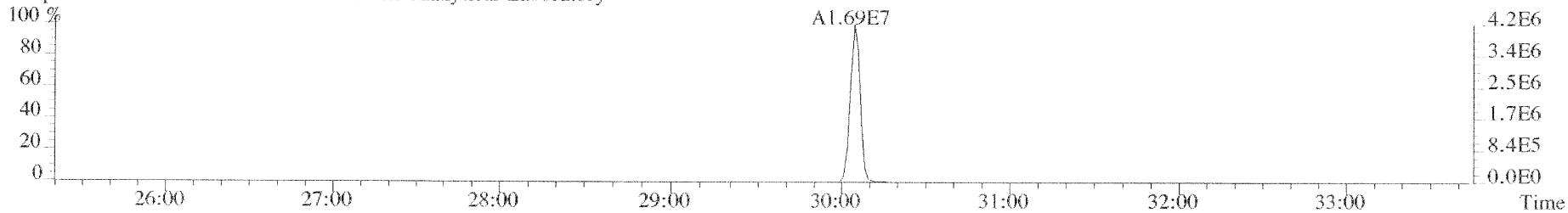
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



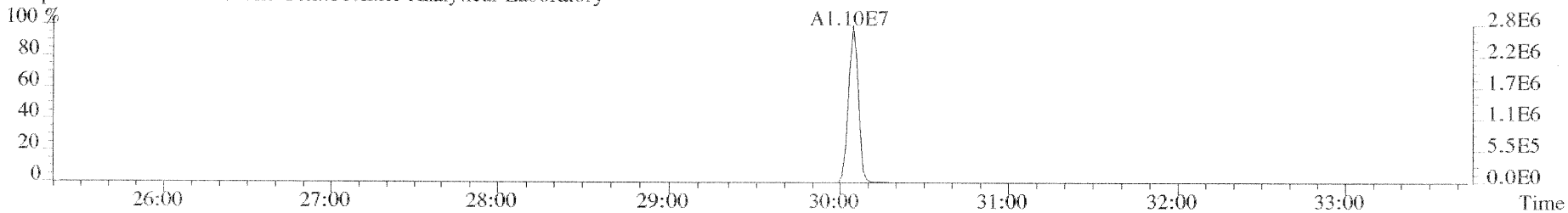
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



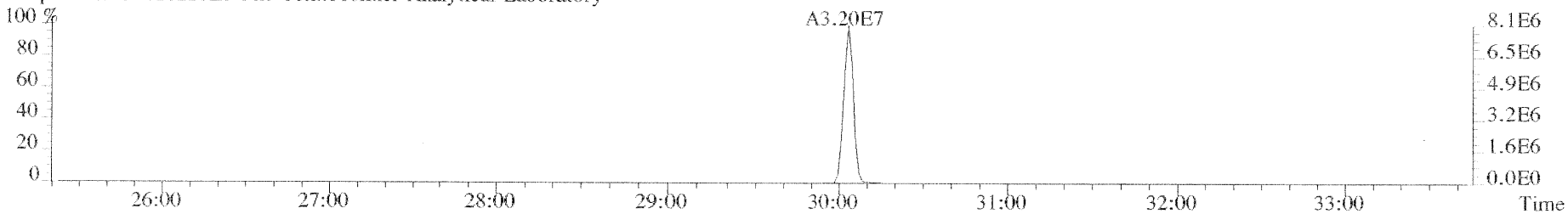
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



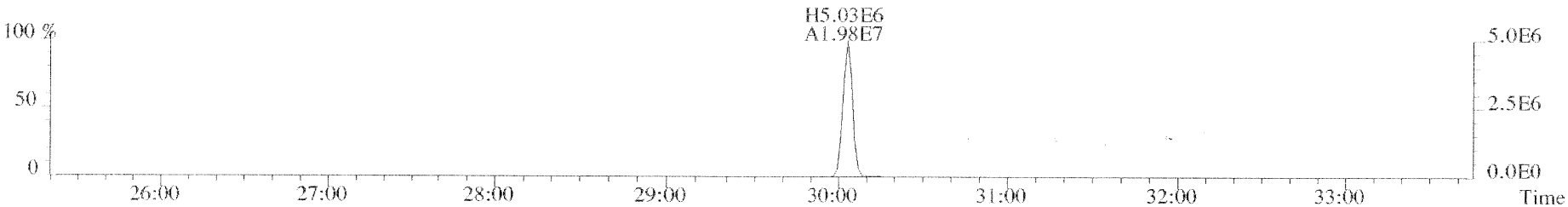
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



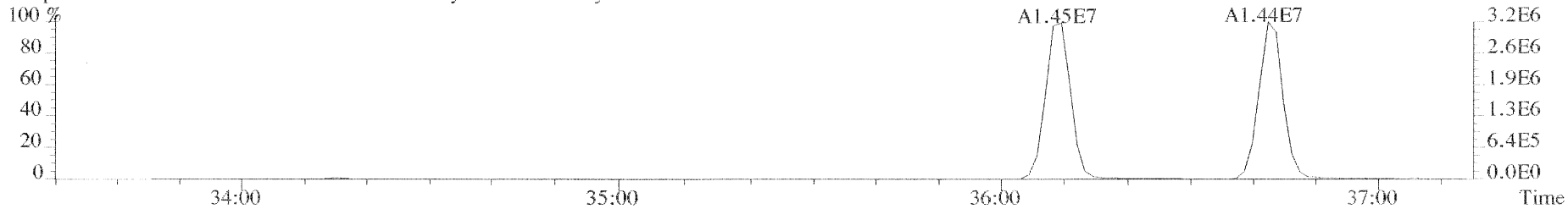
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



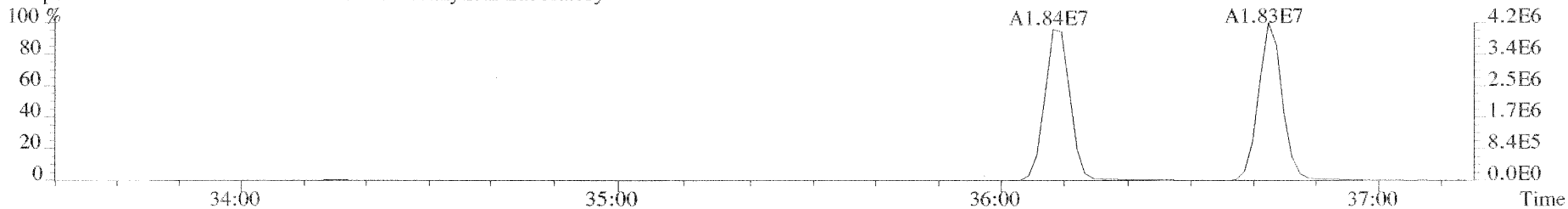
File:02DEC20Z #1-397 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



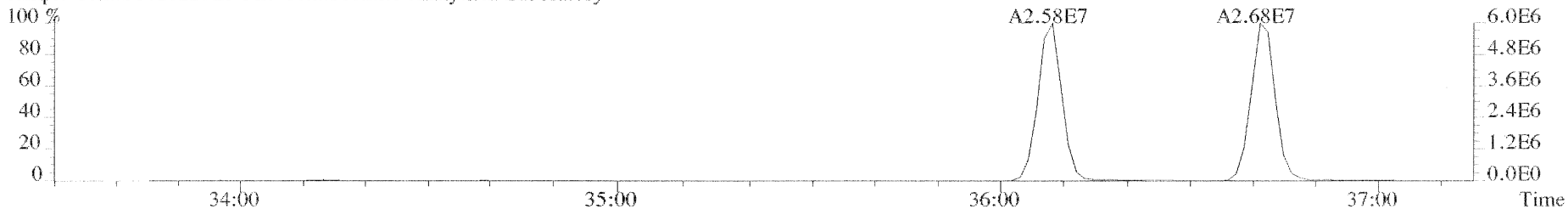
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



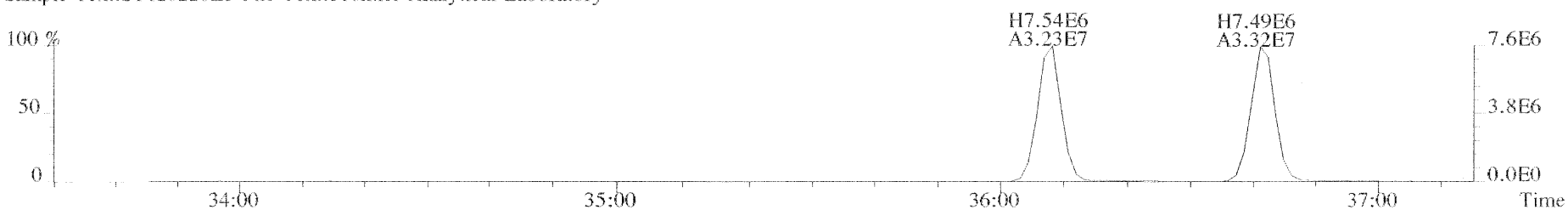
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



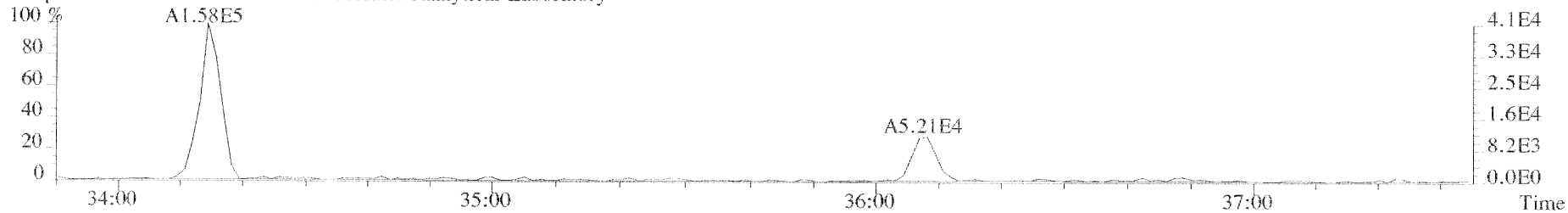
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



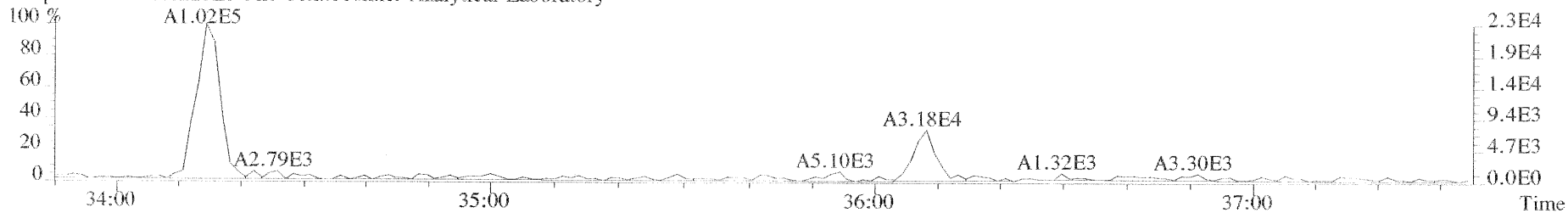
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



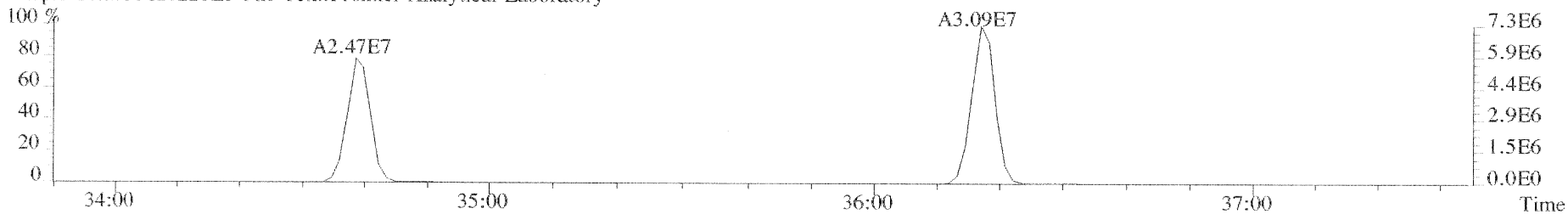
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



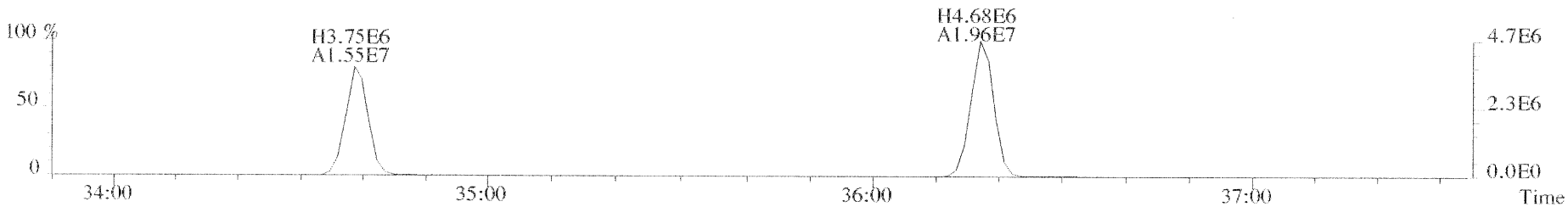
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



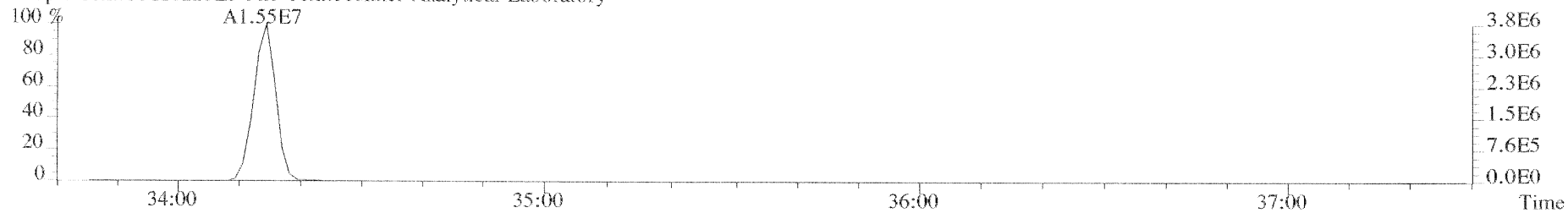
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



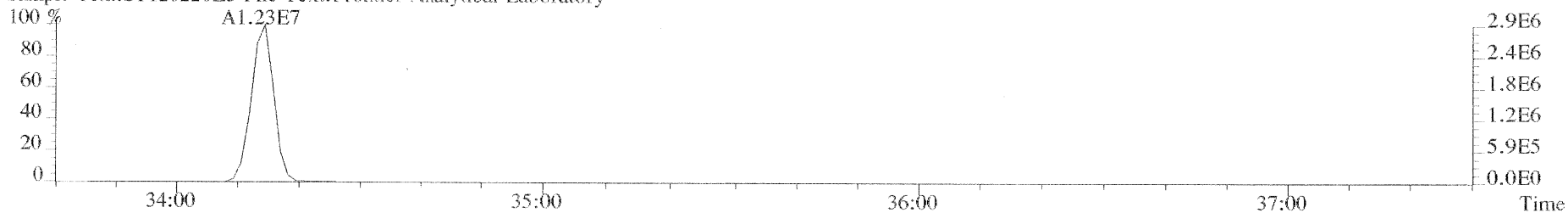
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



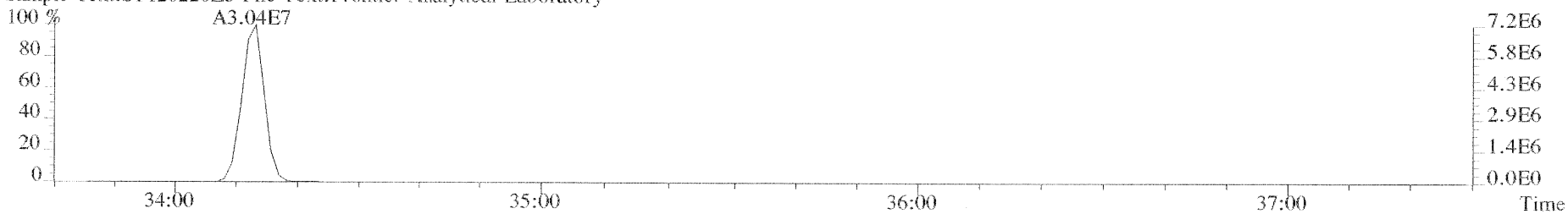
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



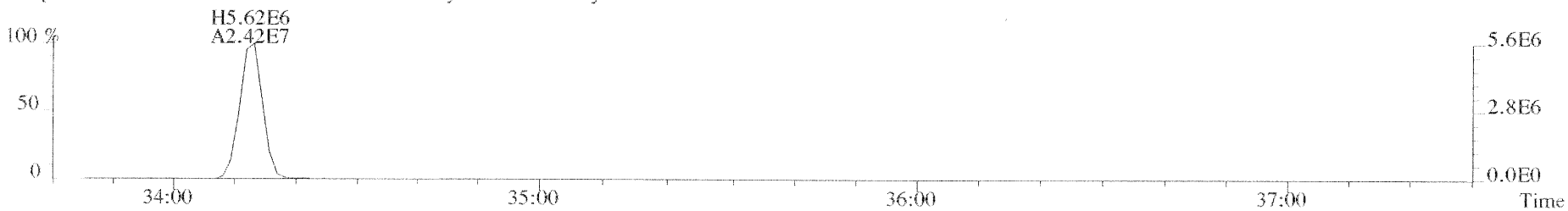
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



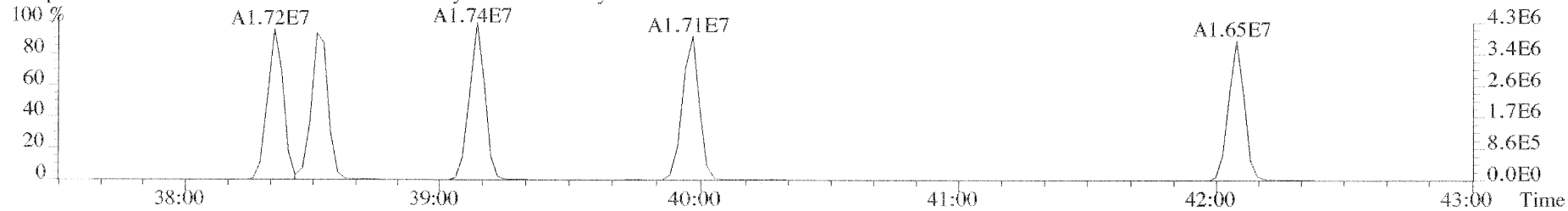
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



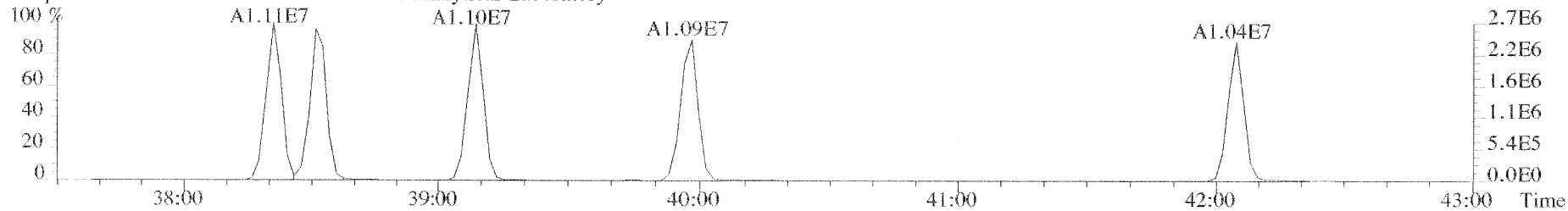
File:02DEC20Z #1-183 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



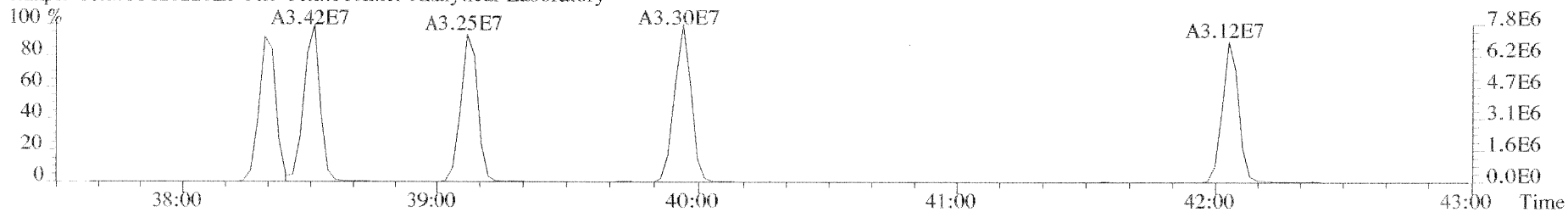
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



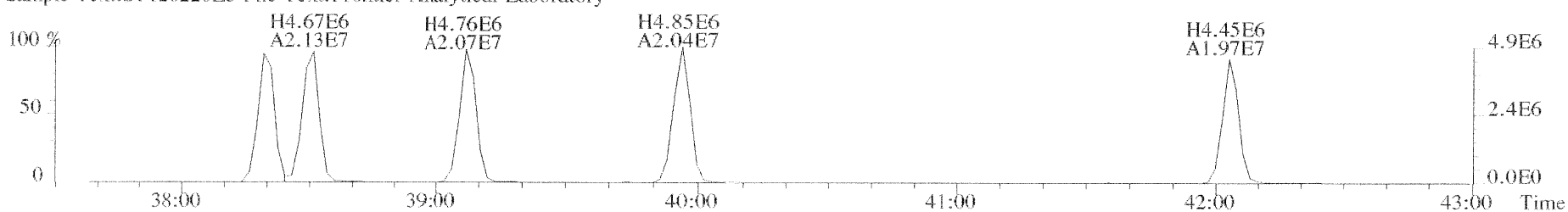
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



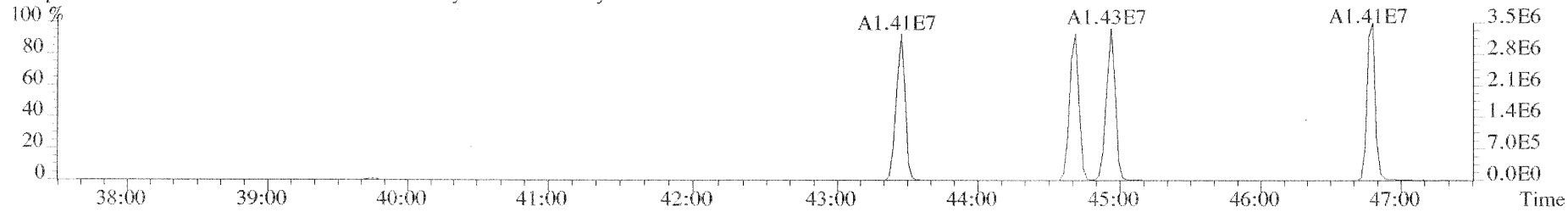
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



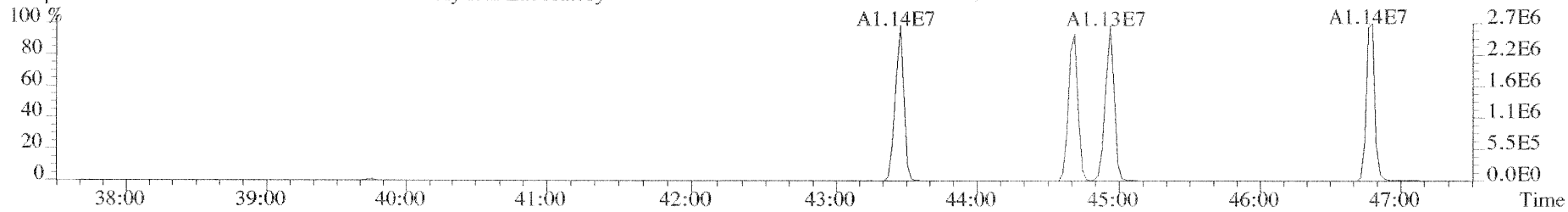
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



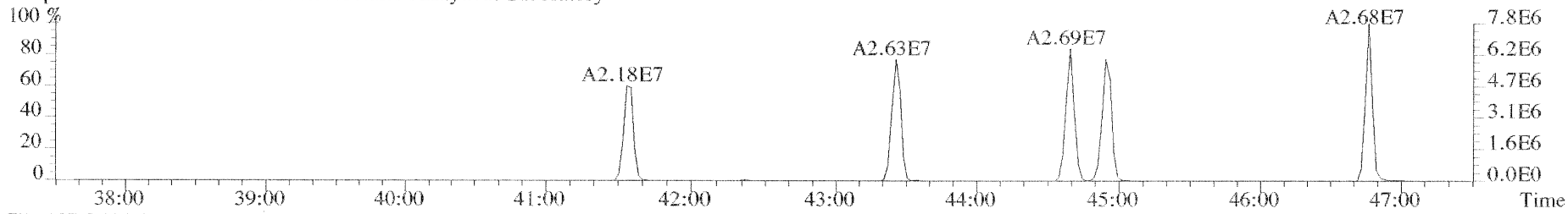
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



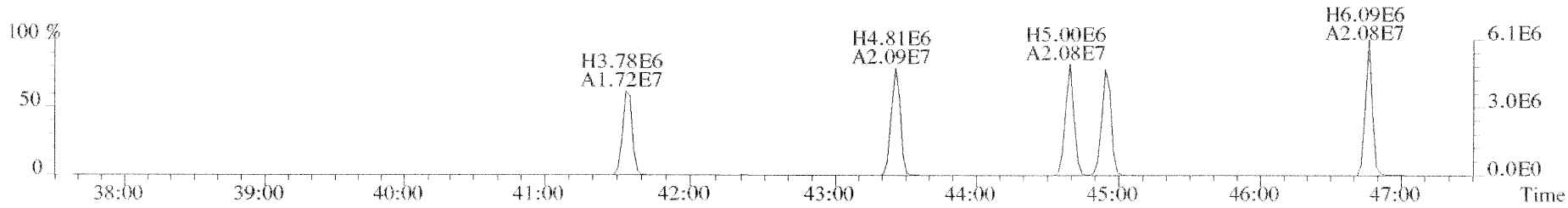
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



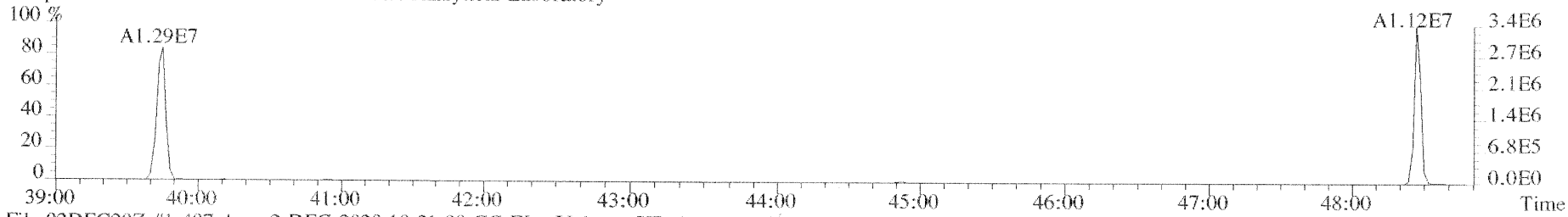
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



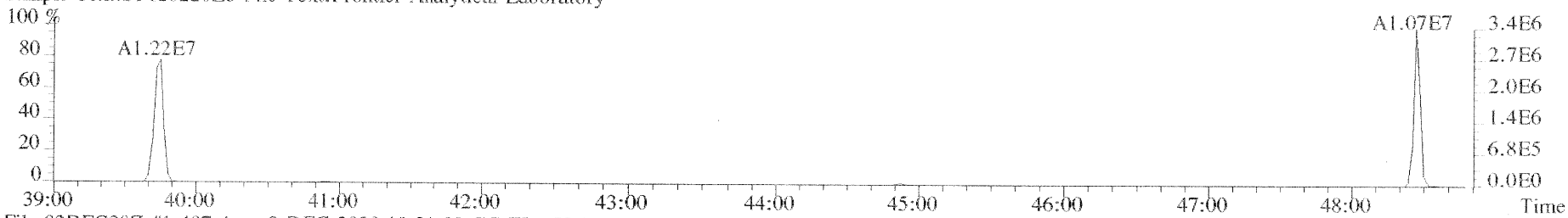
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



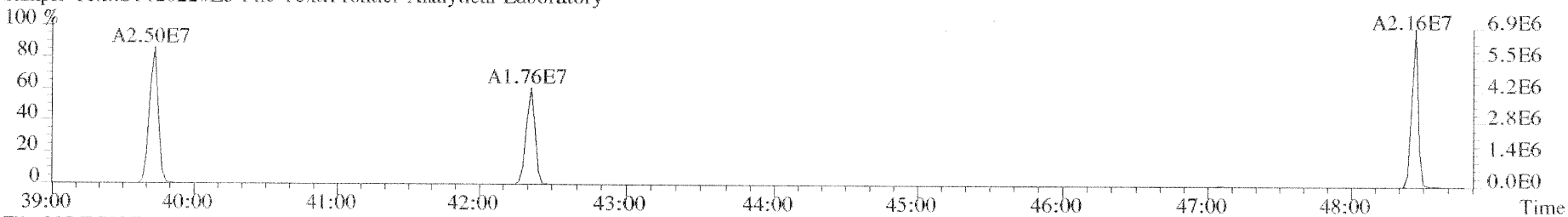
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



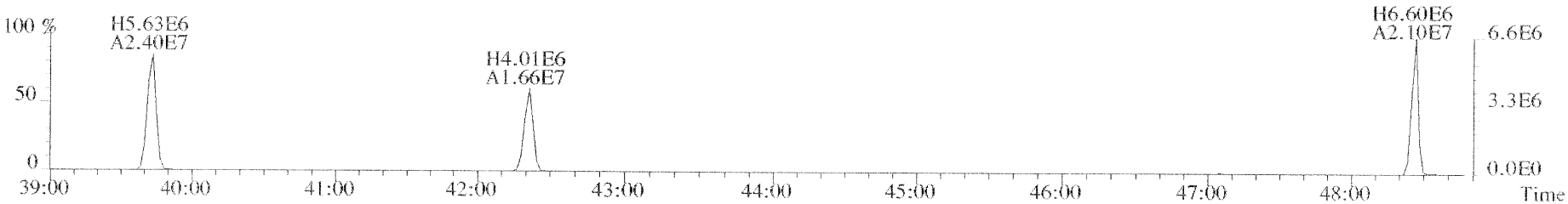
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



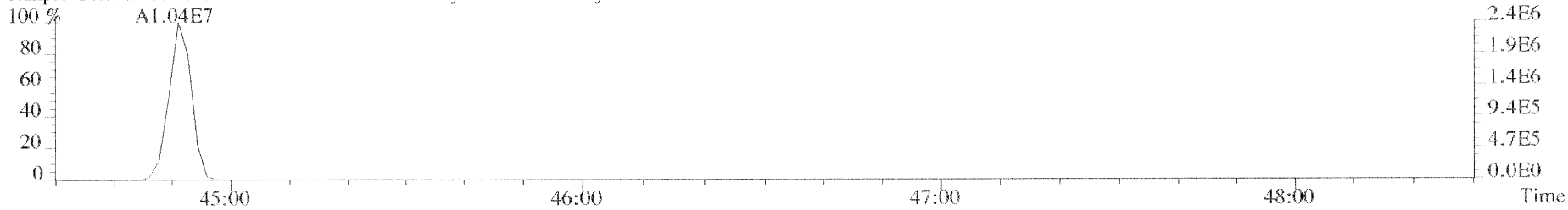
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



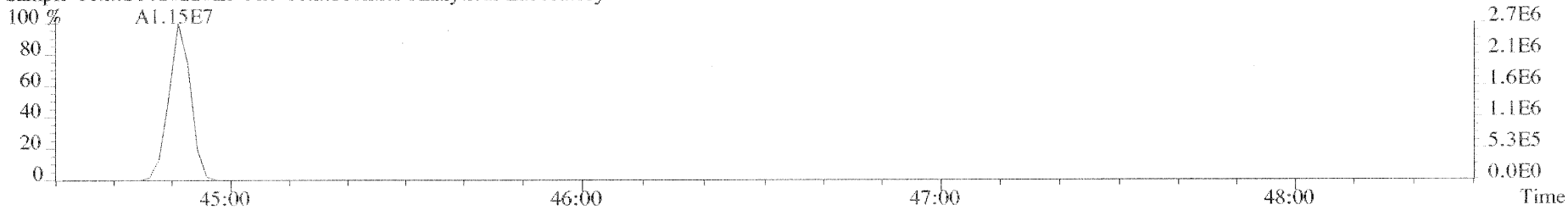
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



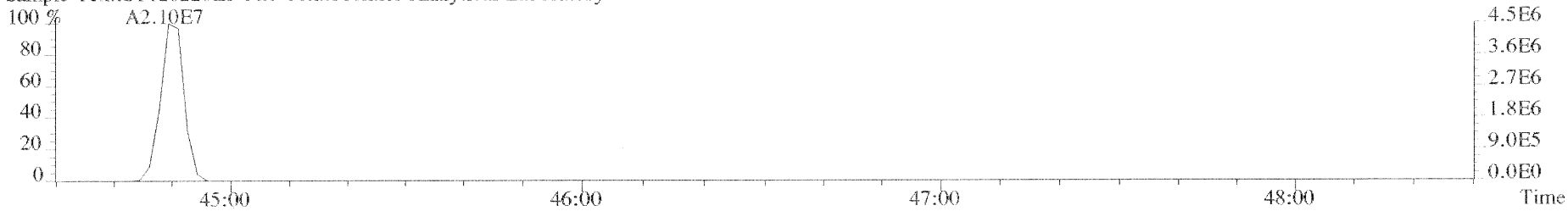
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



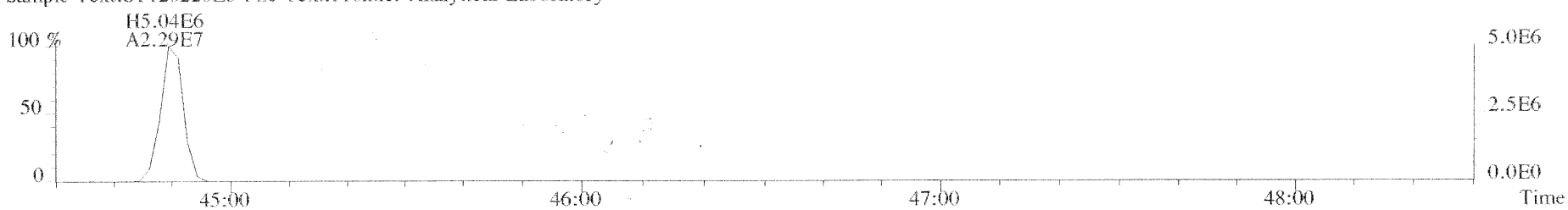
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



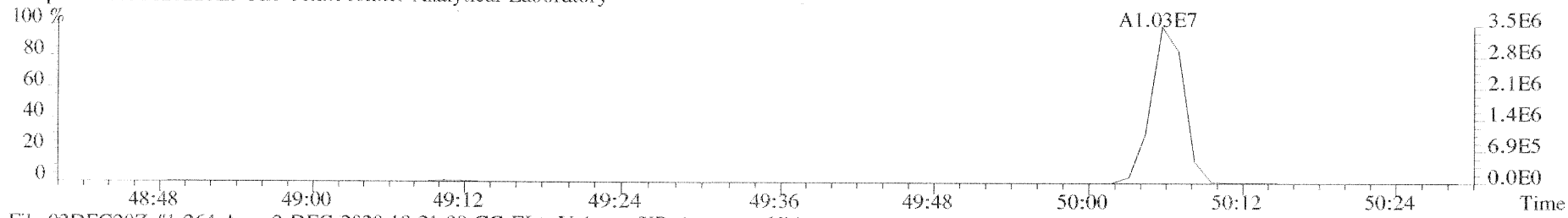
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



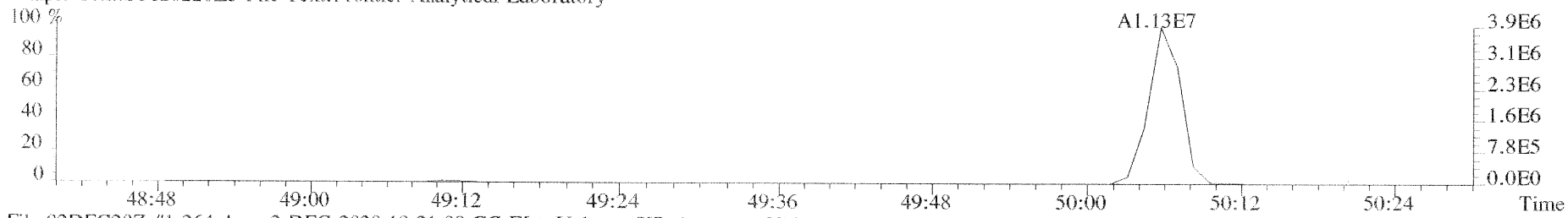
File:02DEC20Z #1-407 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



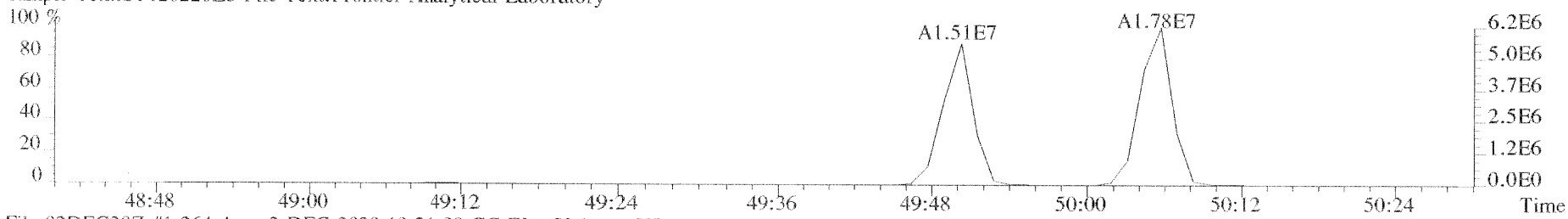
File:02DEC20Z #1-264 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



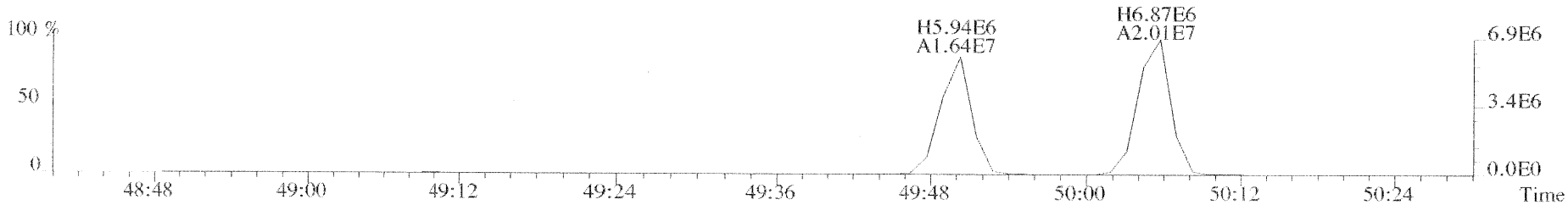
File:02DEC20Z #1-264 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



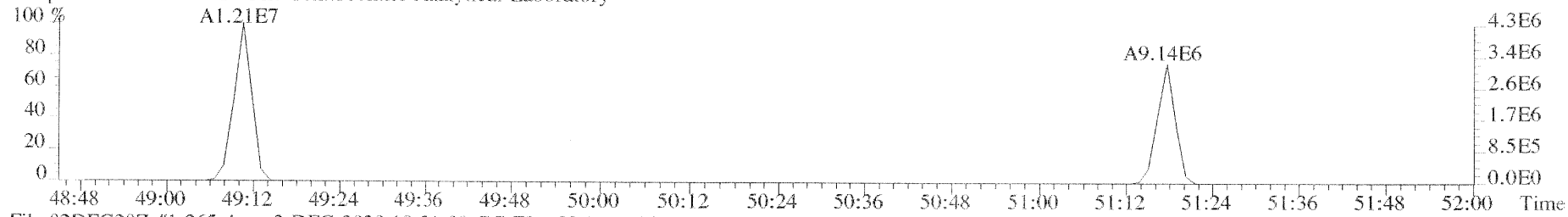
File:02DEC20Z #1-264 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



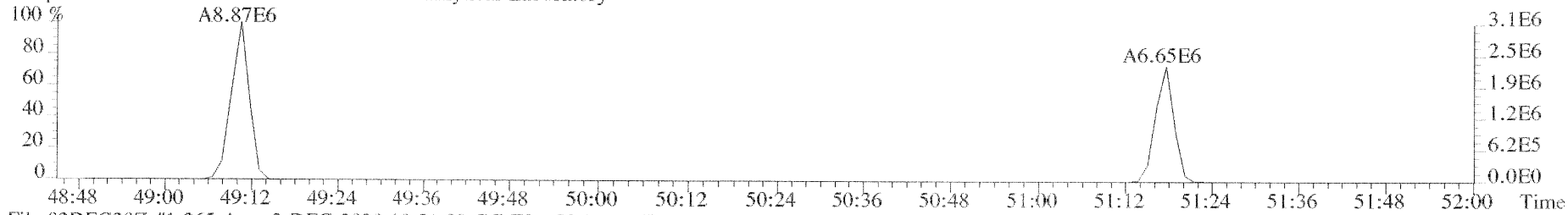
File:02DEC20Z #1-264 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



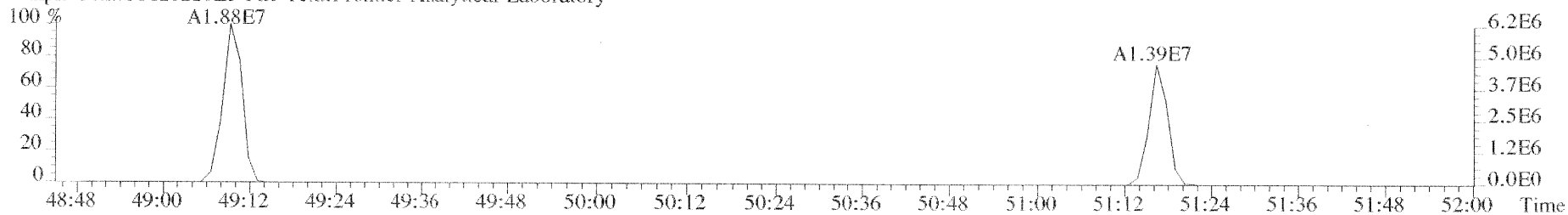
File:02DEC20Z #1-265 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



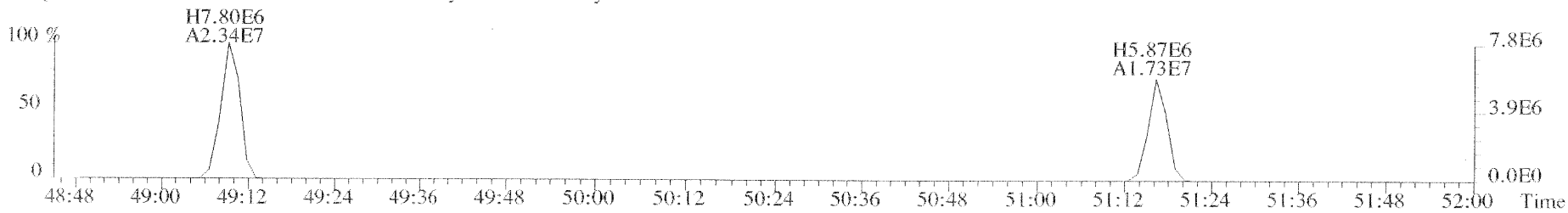
File:02DEC20Z #1-265 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



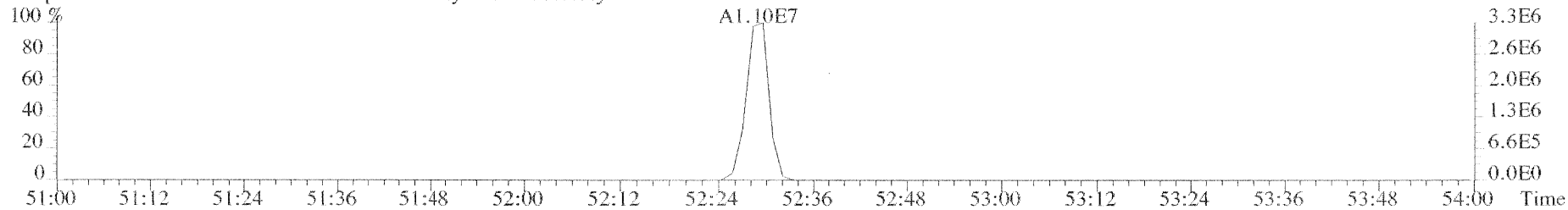
File:02DEC20Z #1-265 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



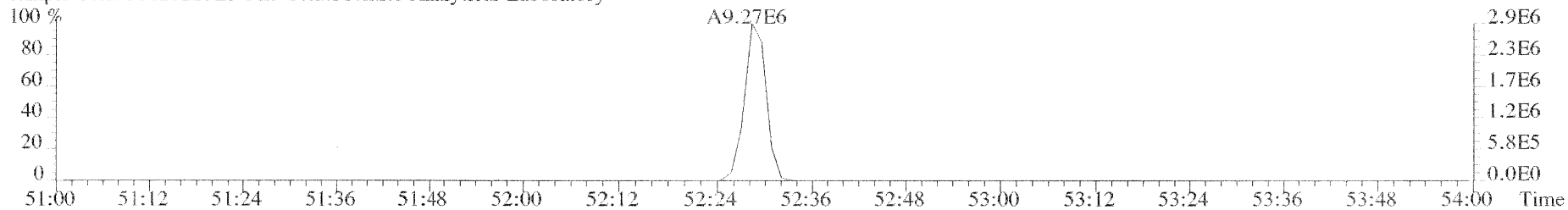
File:02DEC20Z #1-266 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



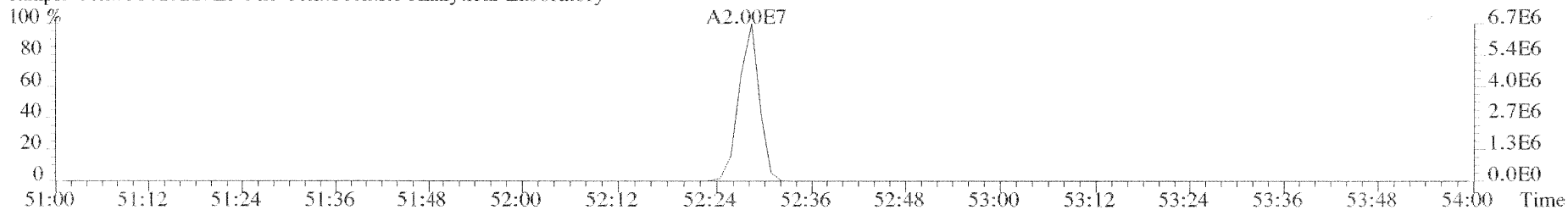
File:02DEC20Z #1-267 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



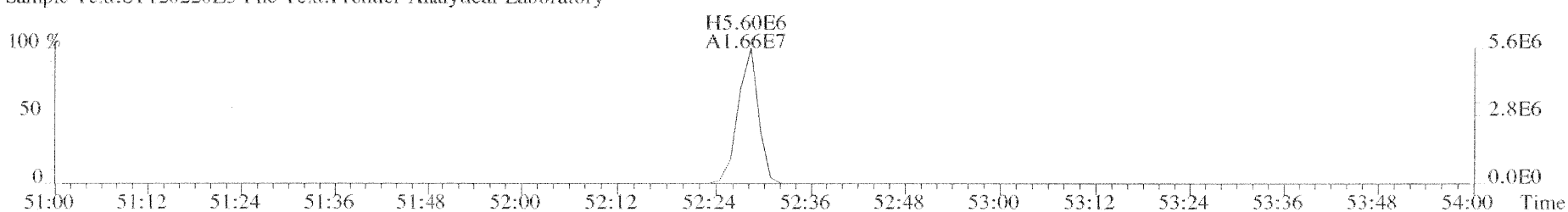
File:02DEC20Z #1-267 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



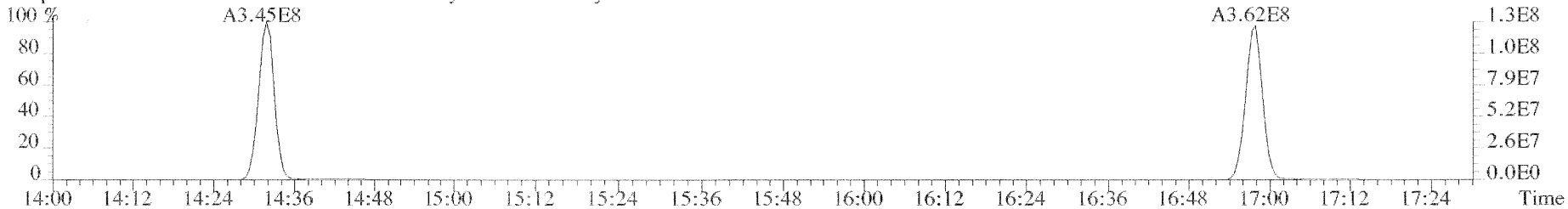
File:02DEC20Z #1-267 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



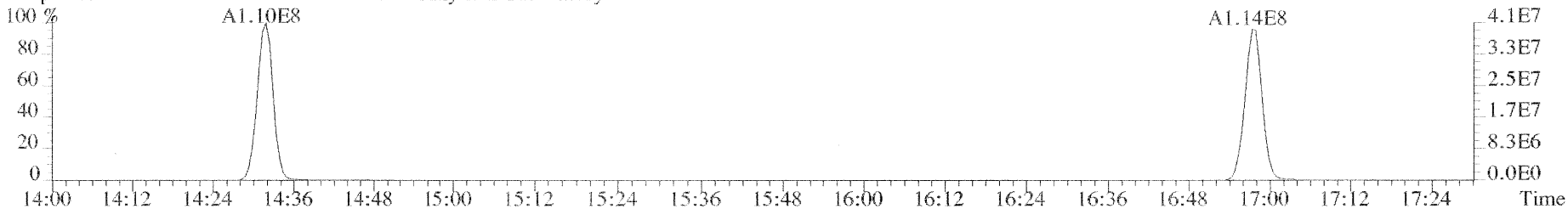
File:02DEC20Z #1-267 Acq: 2-DEC-2020 10:21:08 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z3 File Text:Frontier Analytical Laboratory



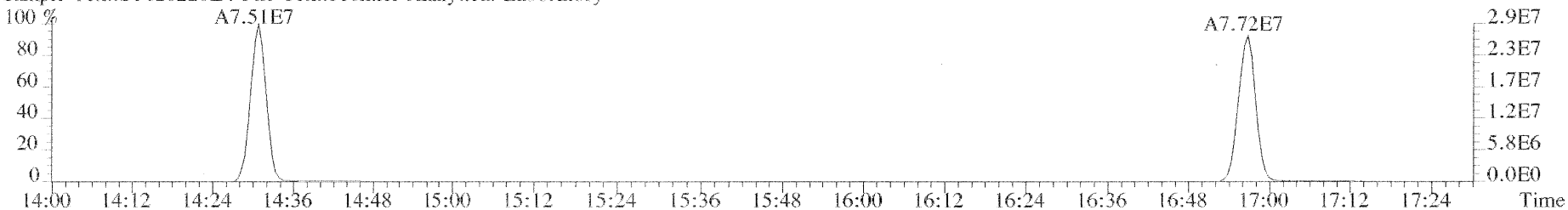
File:02DEC20Z #1-783 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



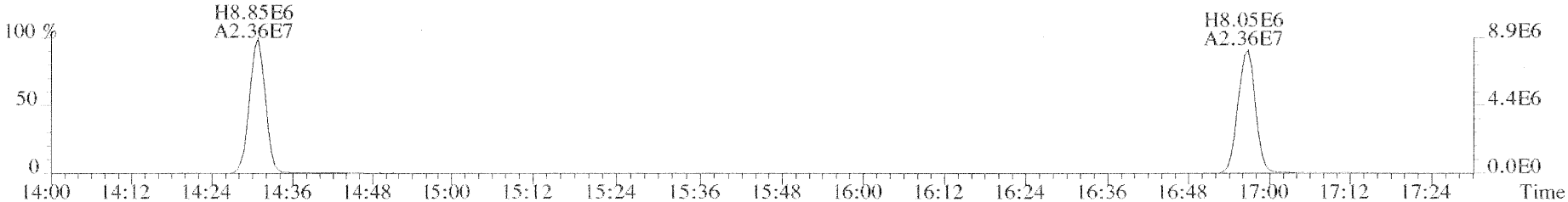
File:02DEC20Z #1-783 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



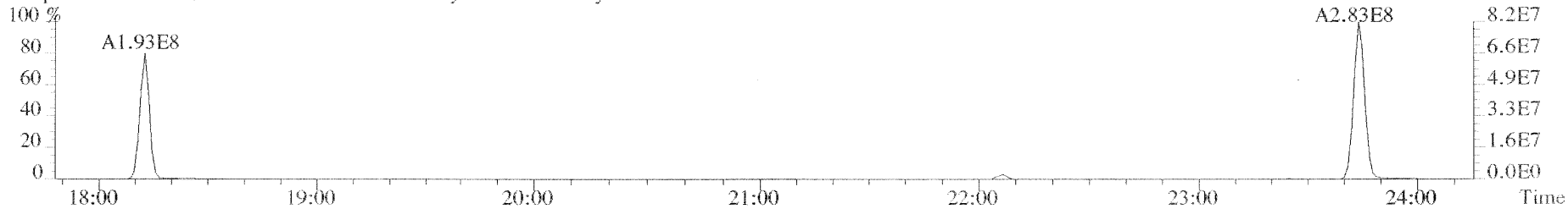
File:02DEC20Z #1-783 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



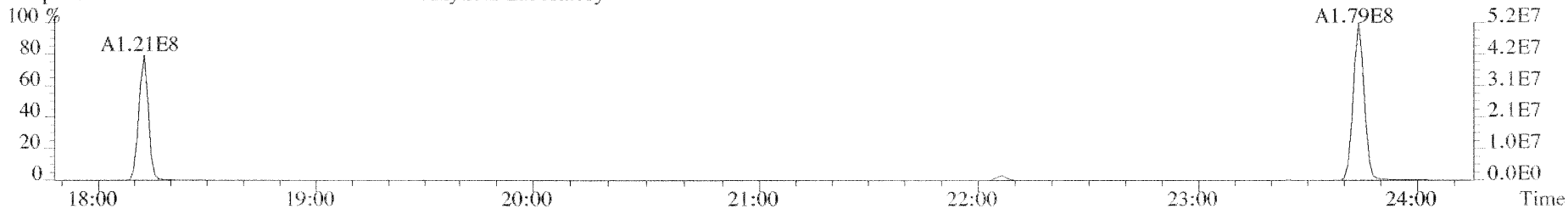
File:02DEC20Z #1-783 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



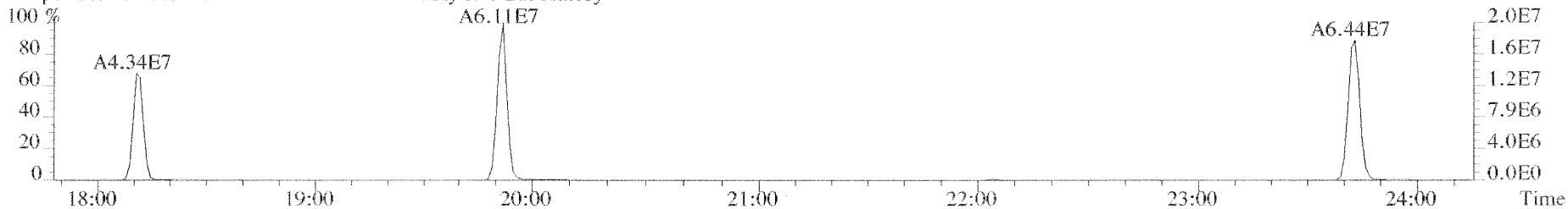
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



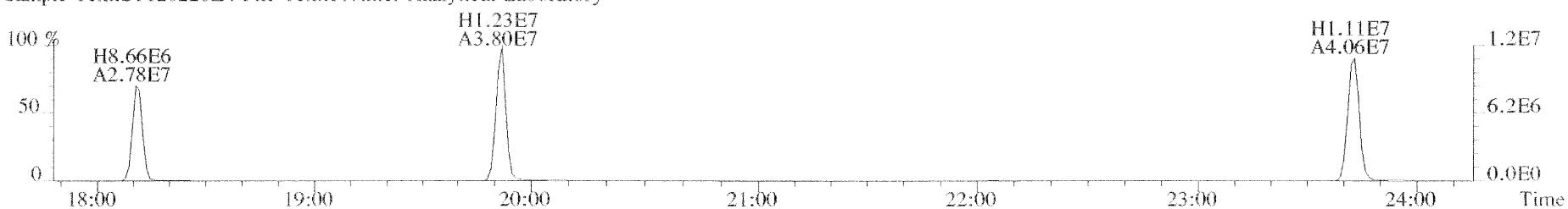
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



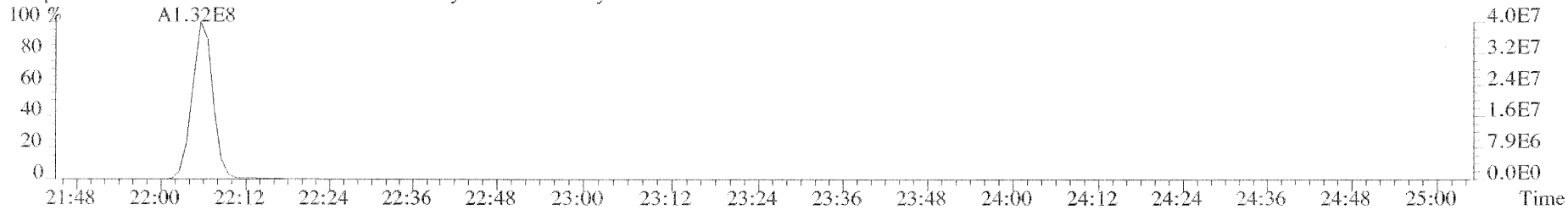
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



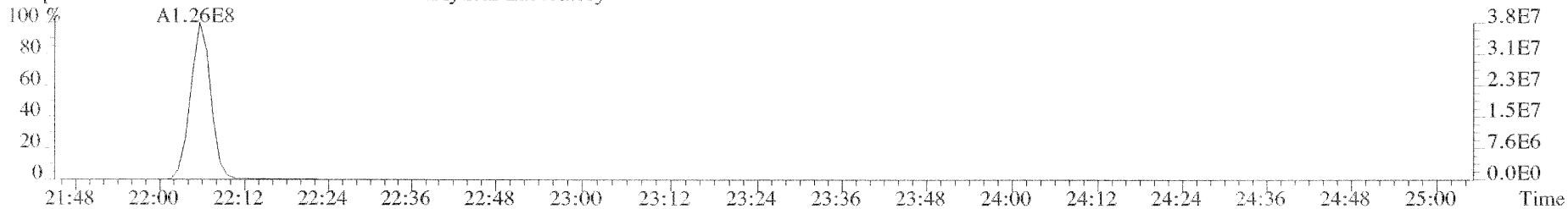
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



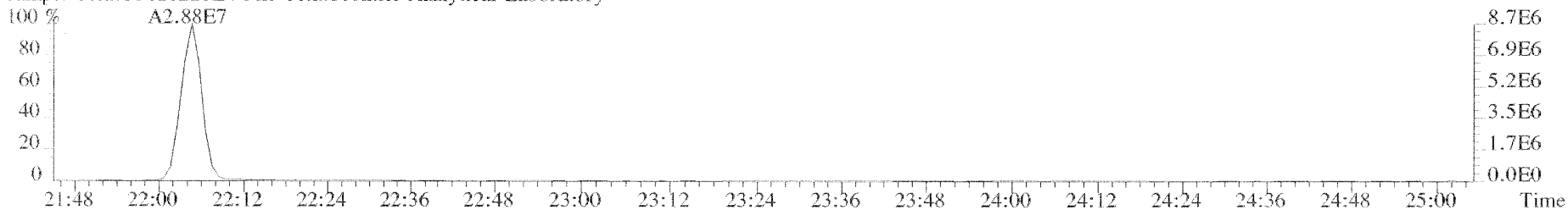
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



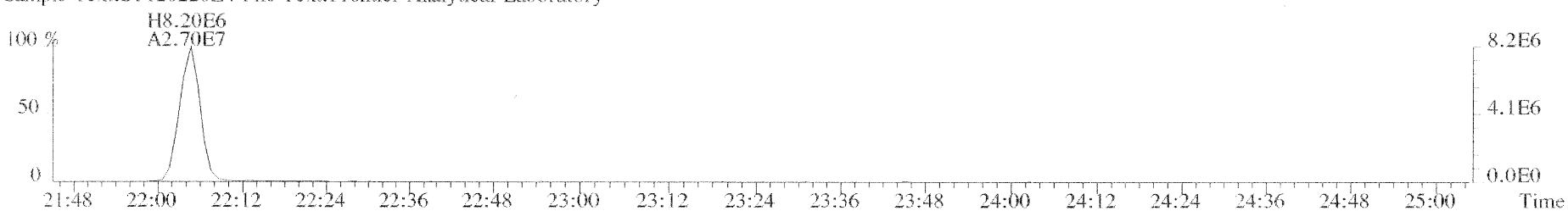
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



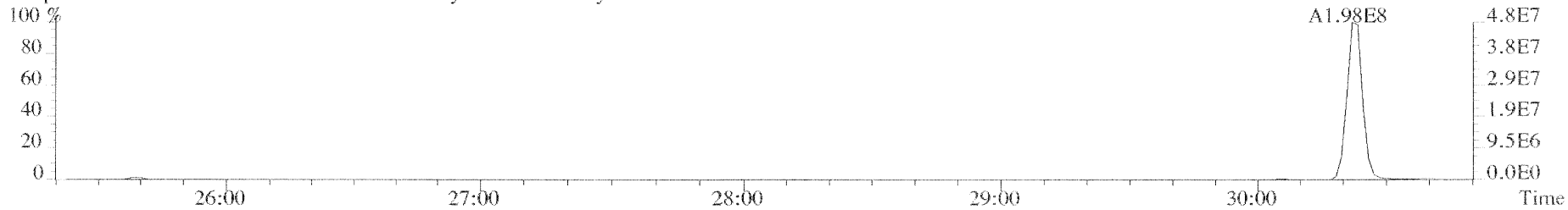
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



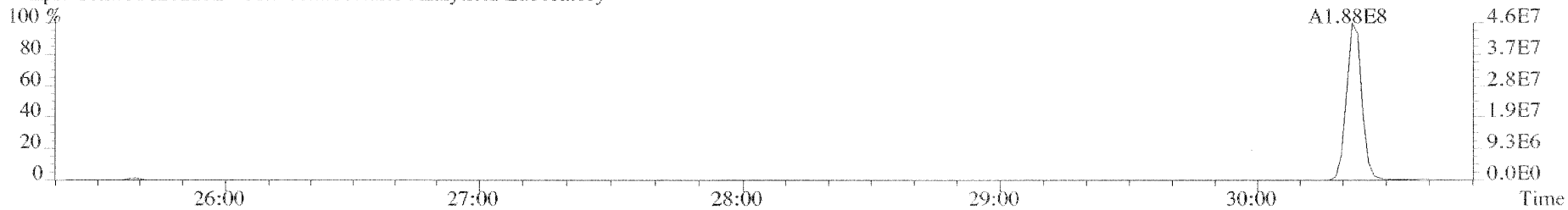
File:02DEC20Z #1-467 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



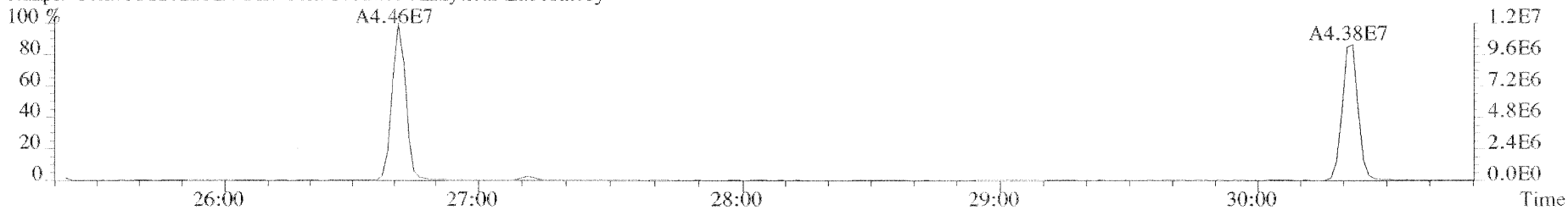
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



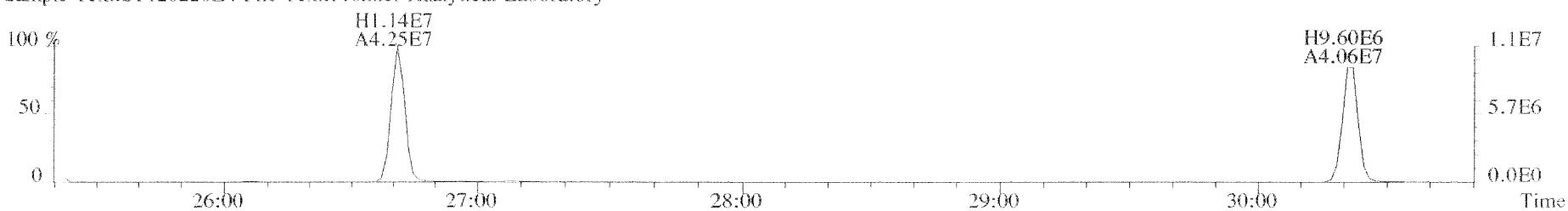
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



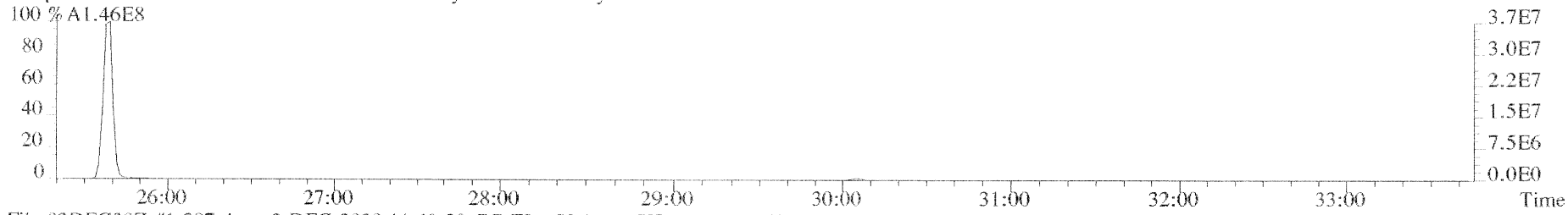
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



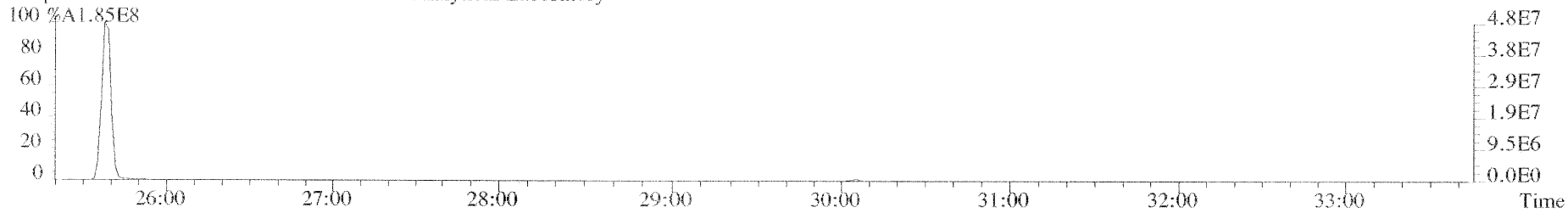
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



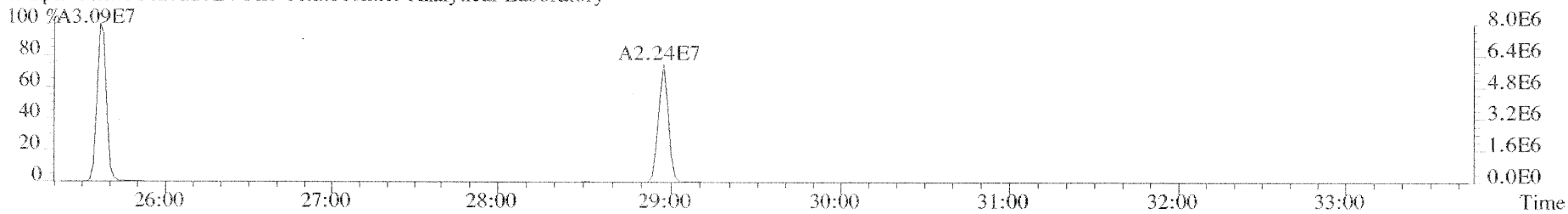
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



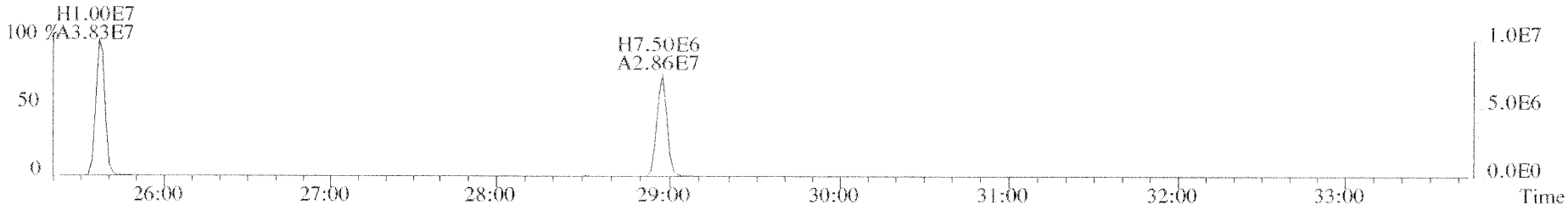
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



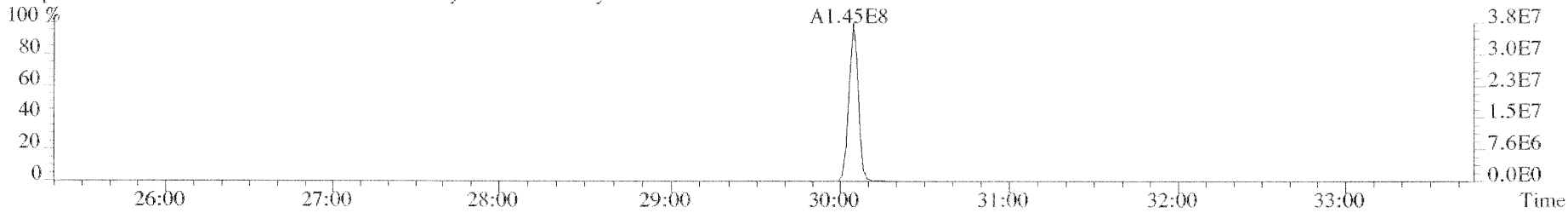
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



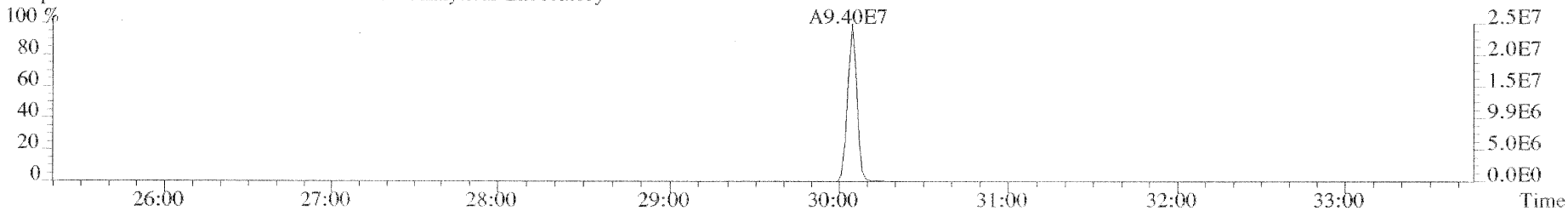
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



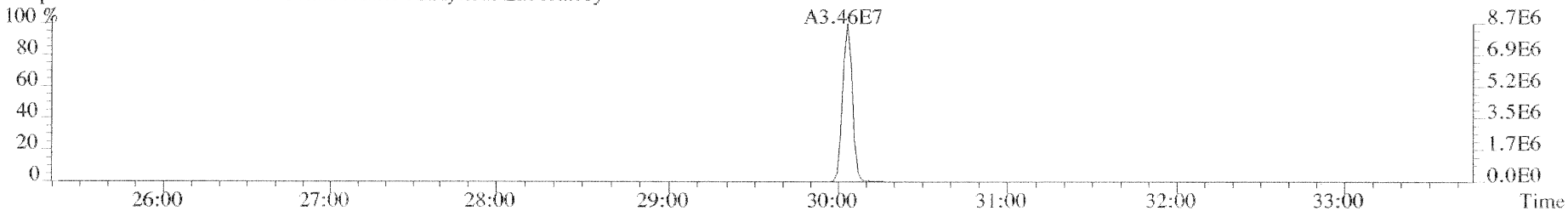
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



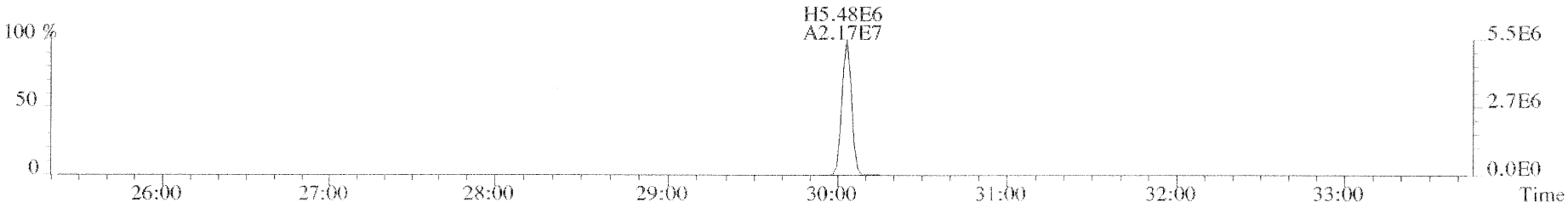
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



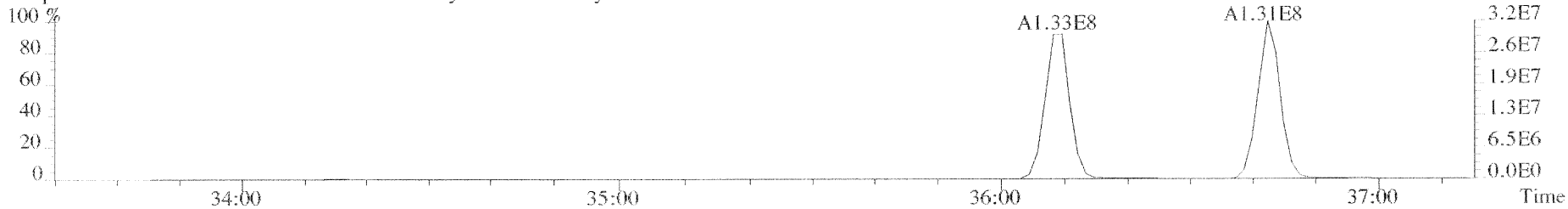
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



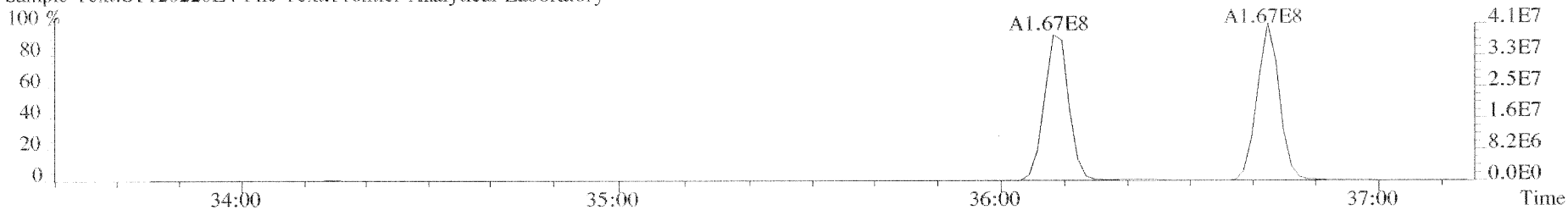
File:02DEC20Z #1-397 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



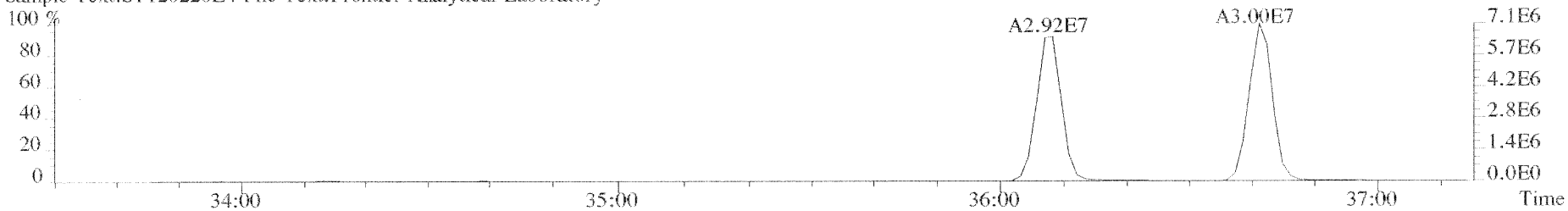
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



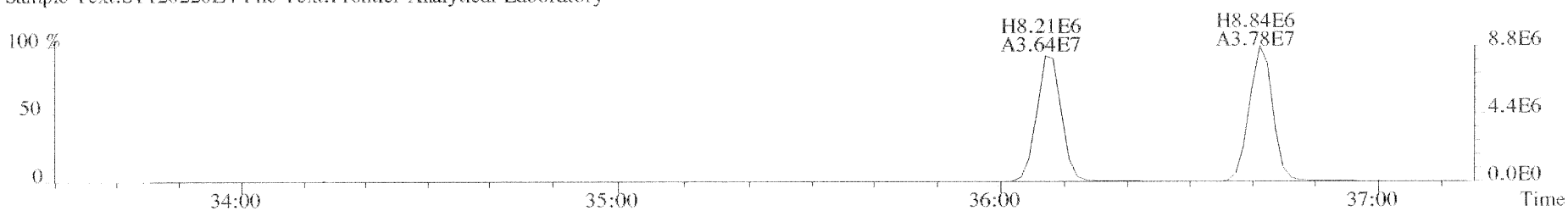
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



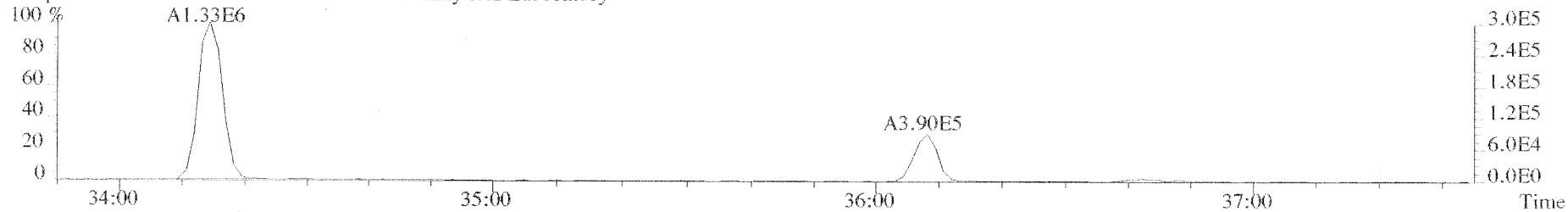
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



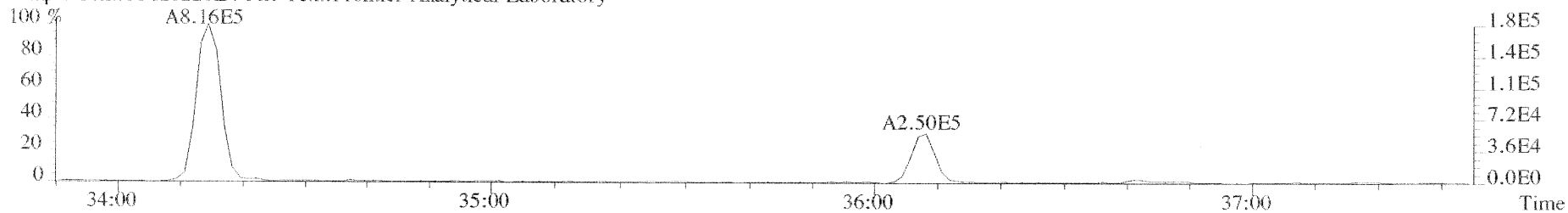
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



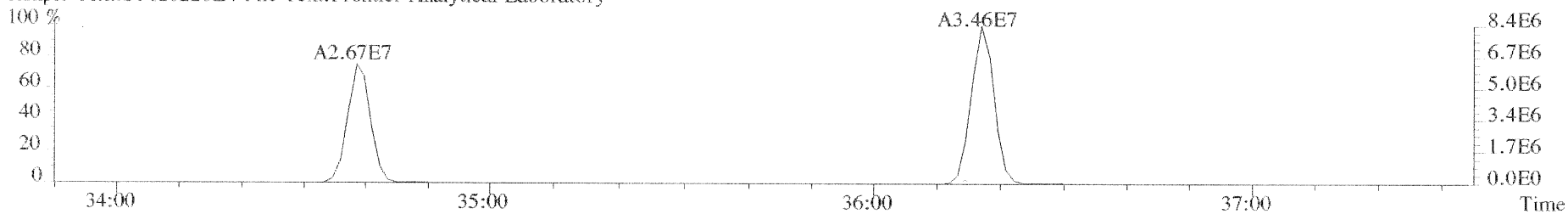
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



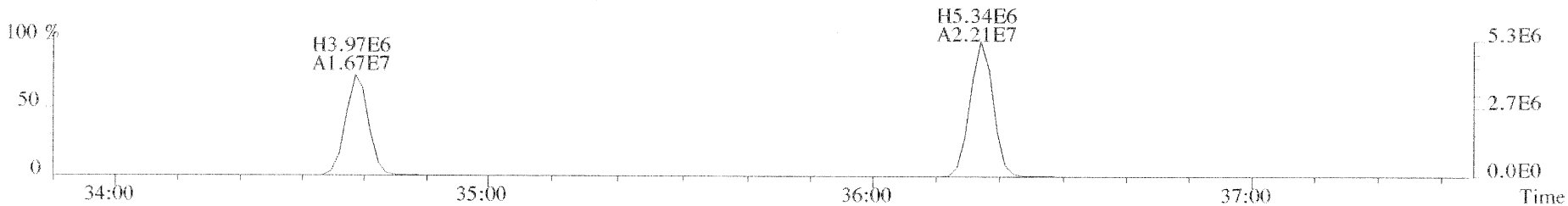
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



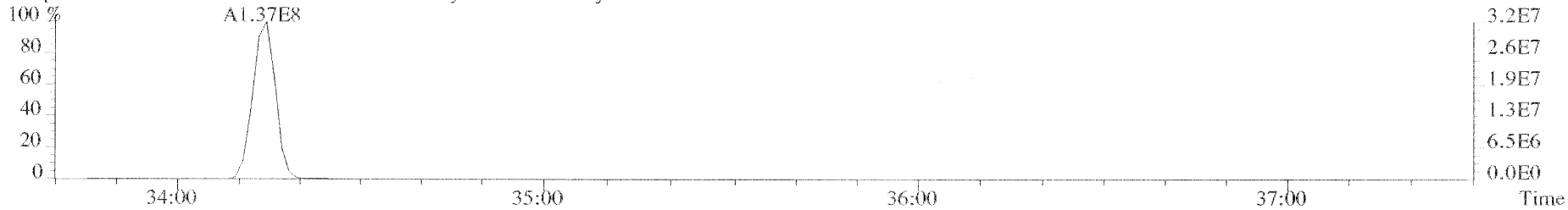
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



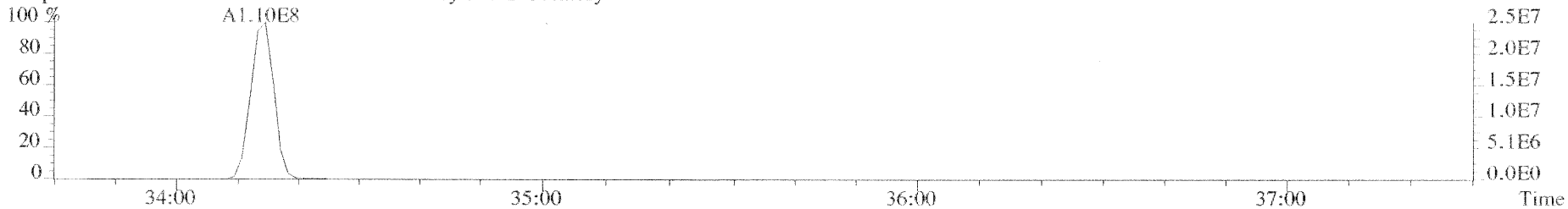
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



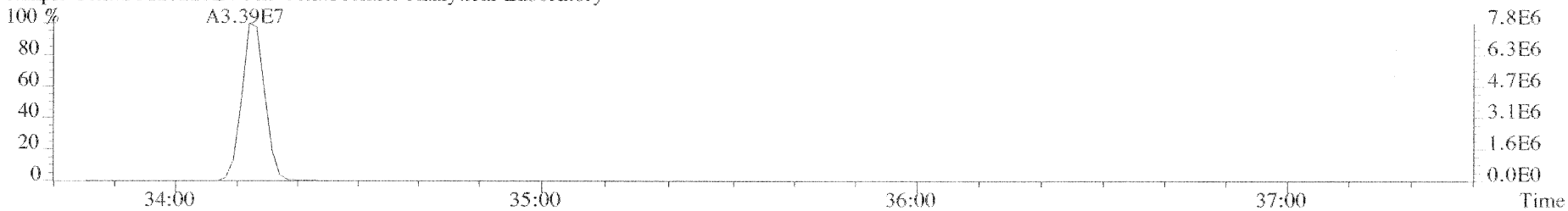
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



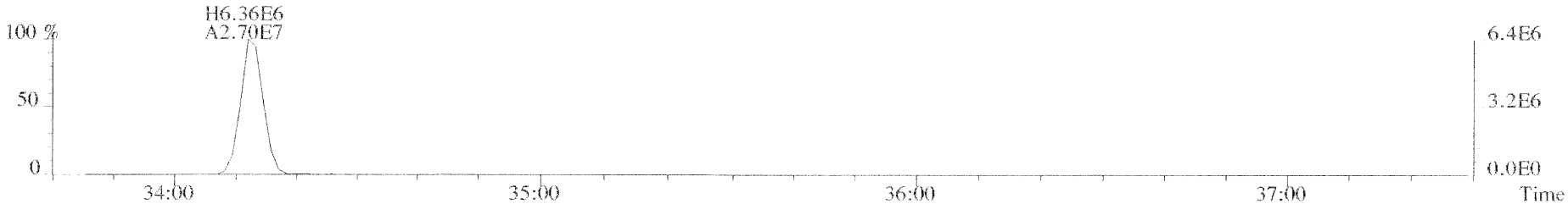
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



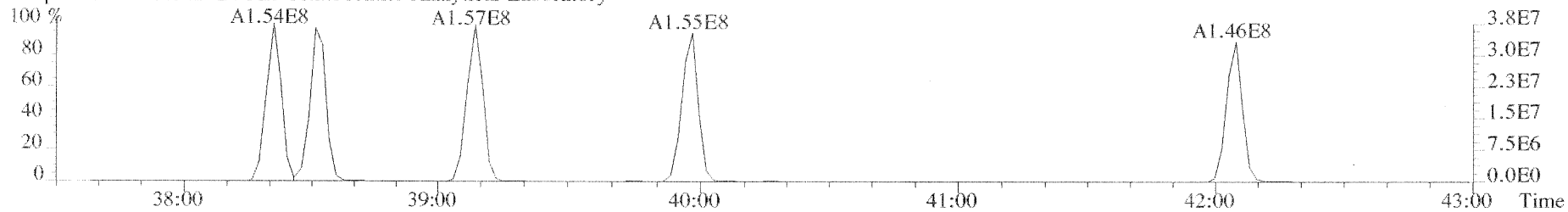
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



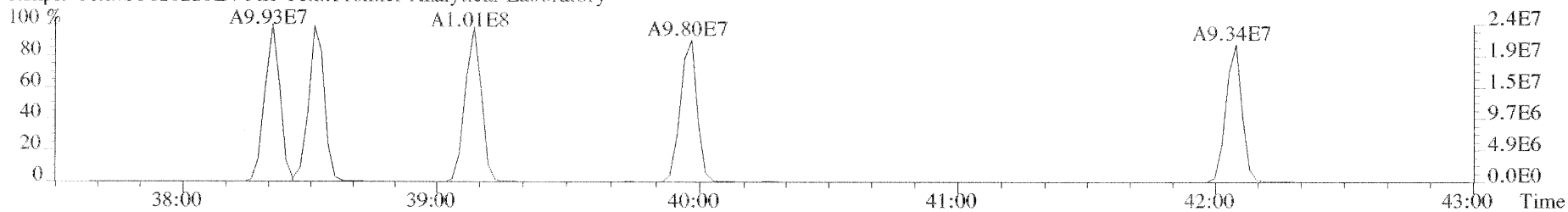
File:02DEC20Z #1-183 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



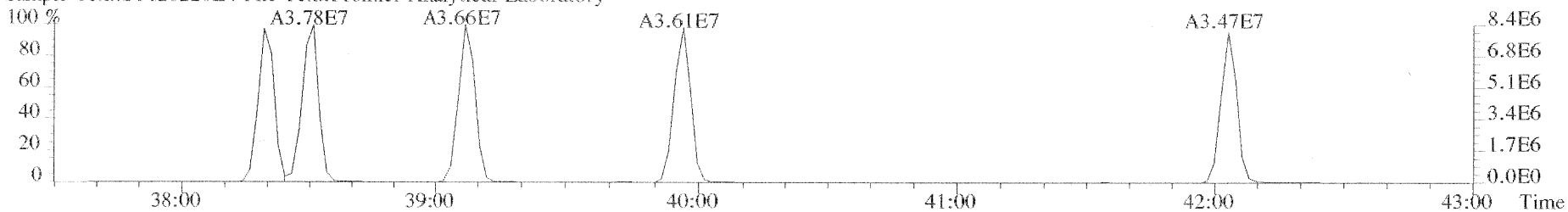
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



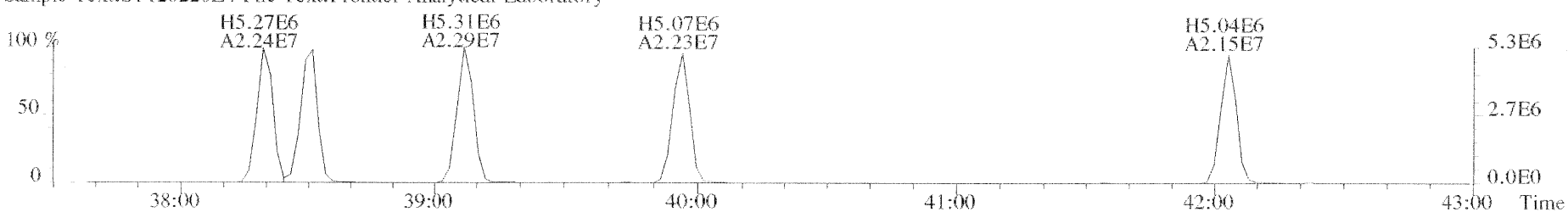
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



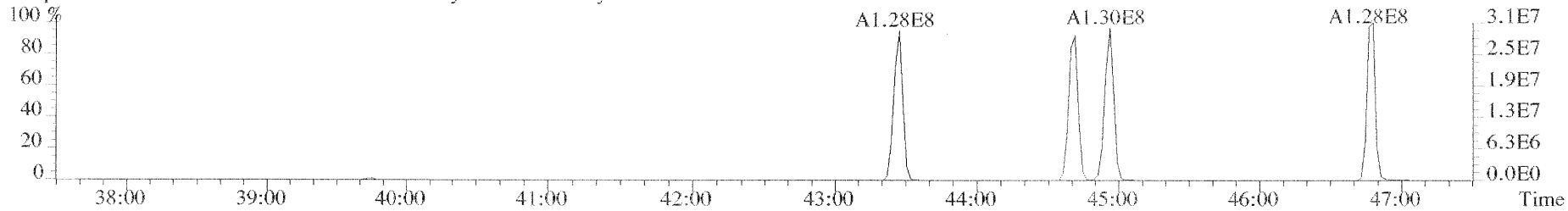
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



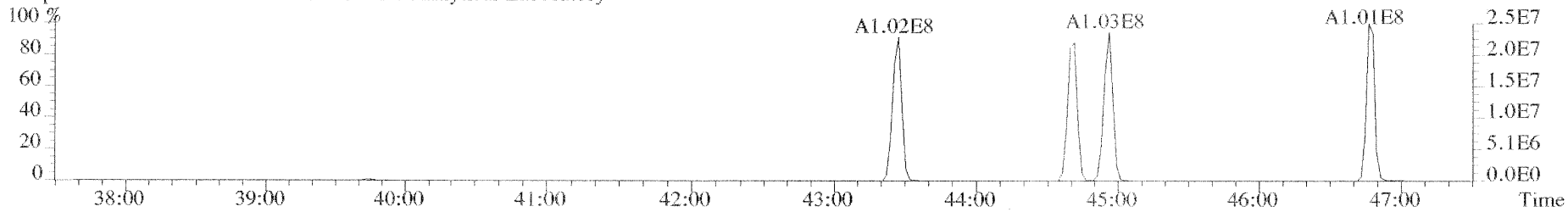
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



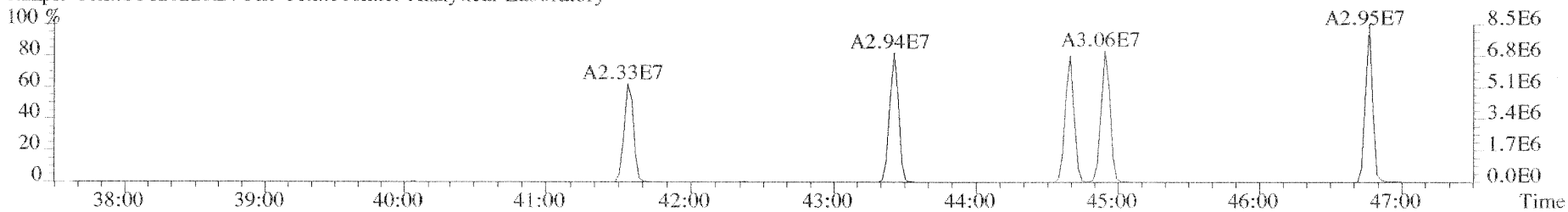
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



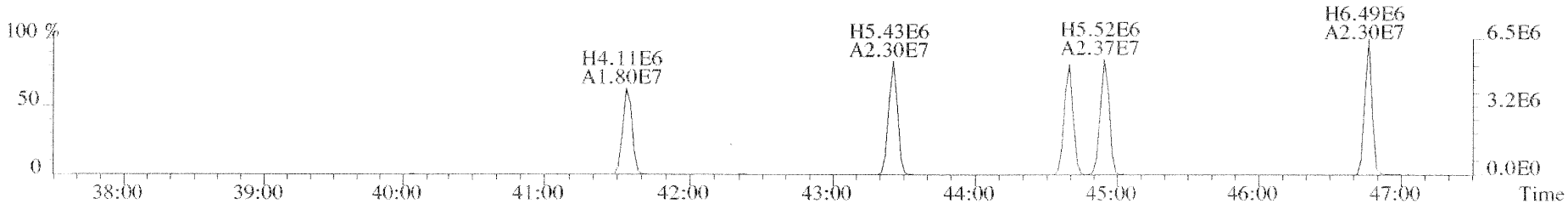
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



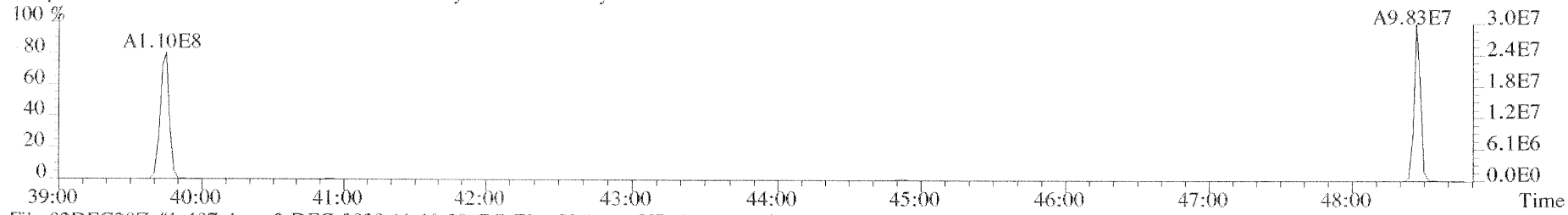
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



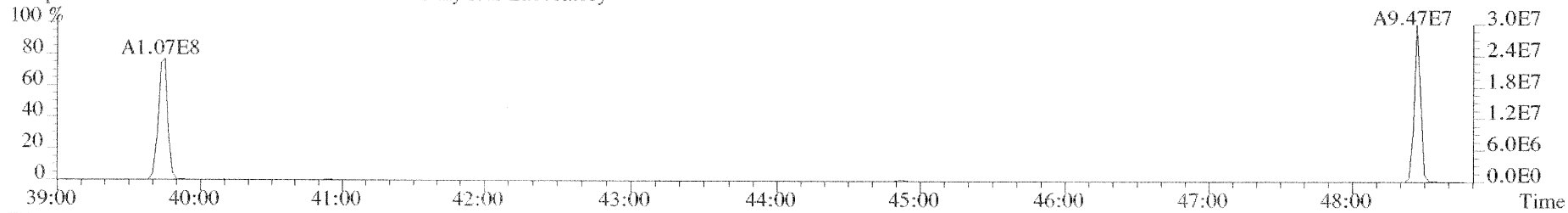
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



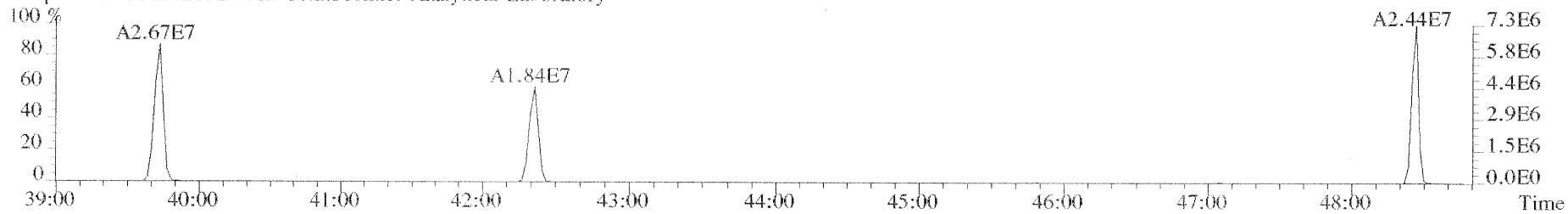
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



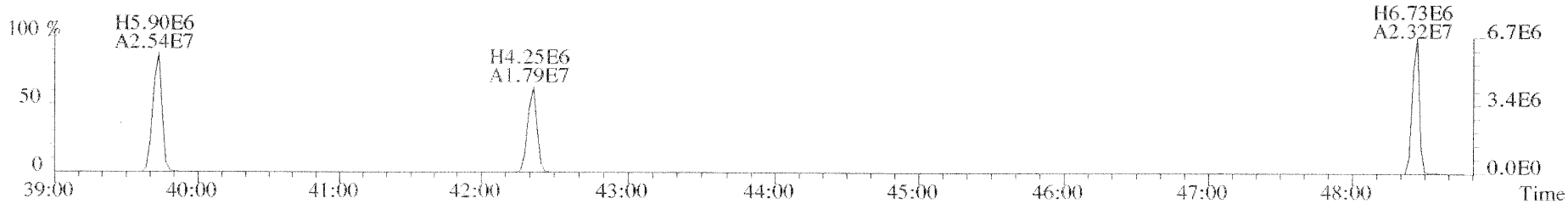
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



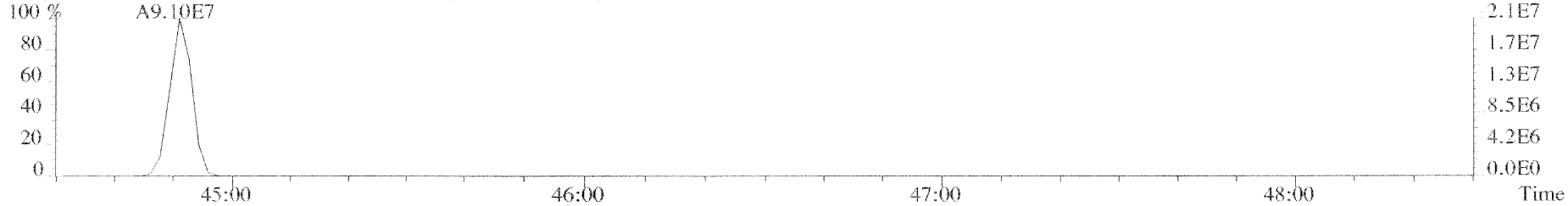
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



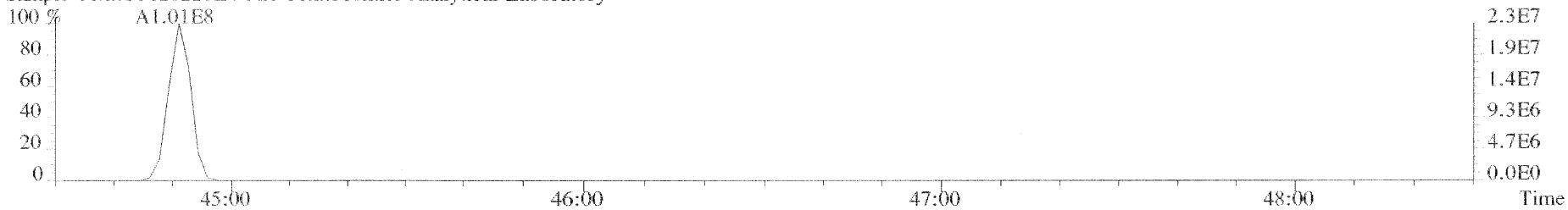
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



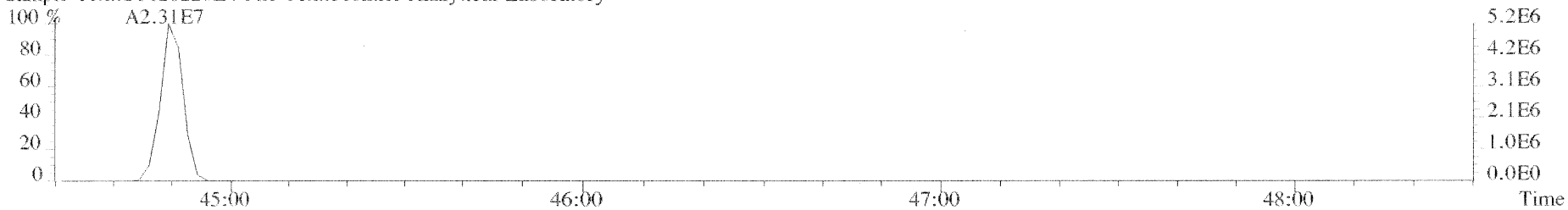
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



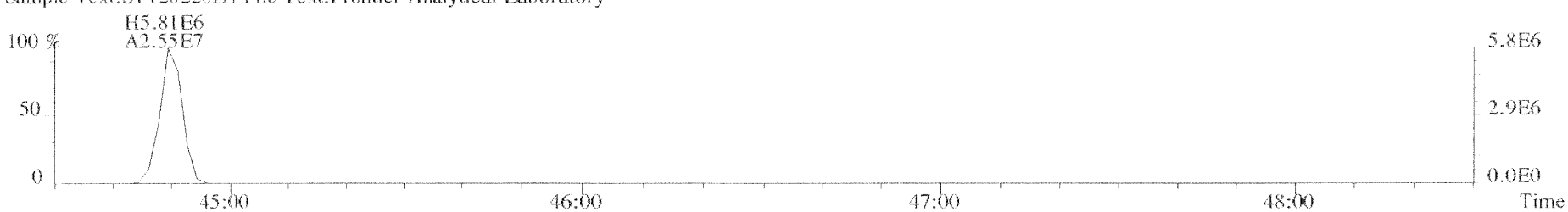
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



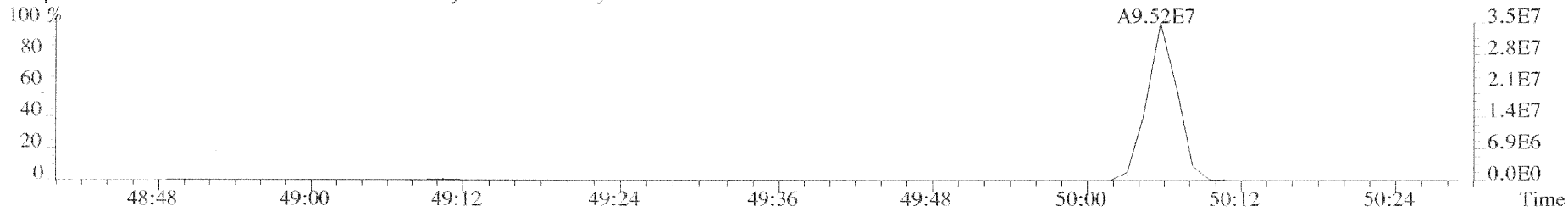
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



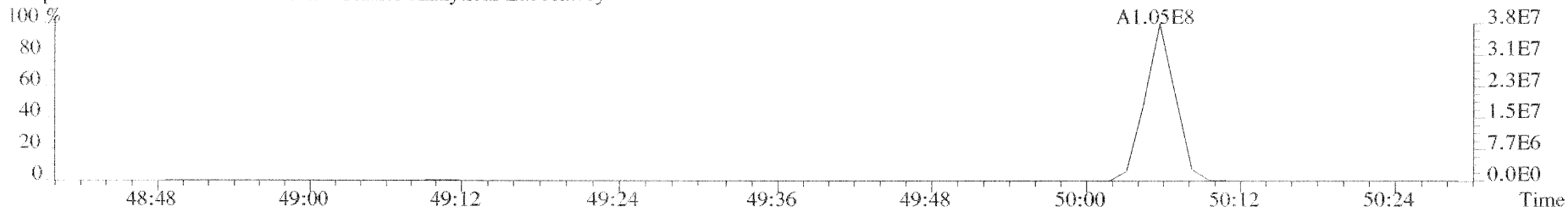
File:02DEC20Z #1-407 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



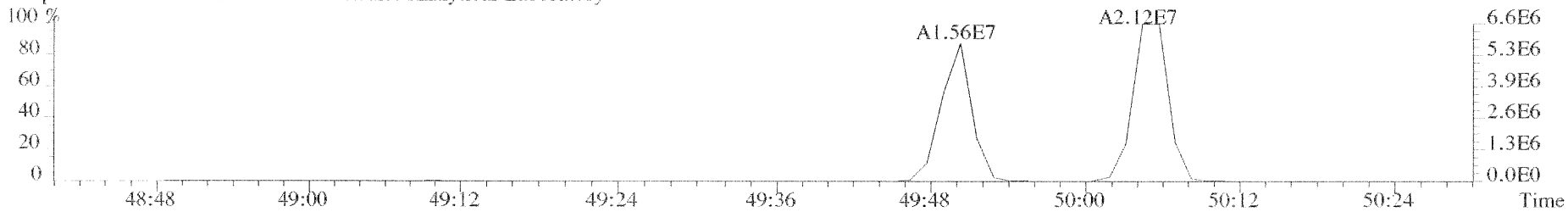
File:02DEC20Z #1-260 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



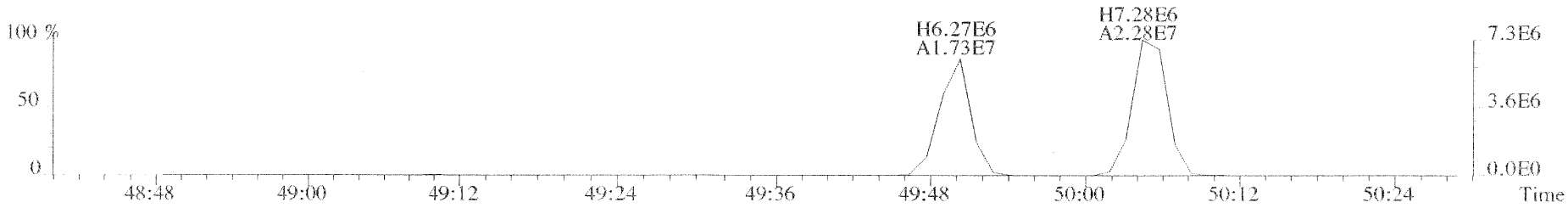
File:02DEC20Z #1-260 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



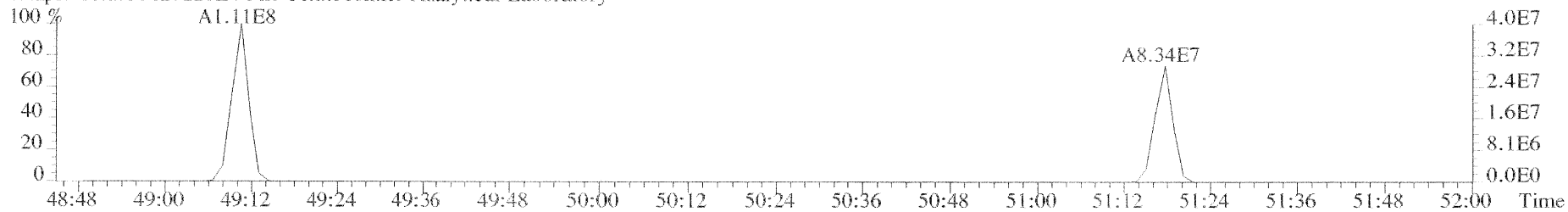
File:02DEC20Z #1-260 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



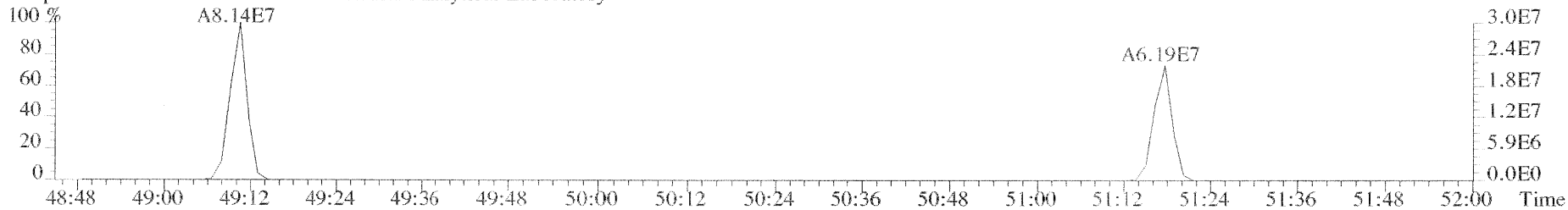
File:02DEC20Z #1-260 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



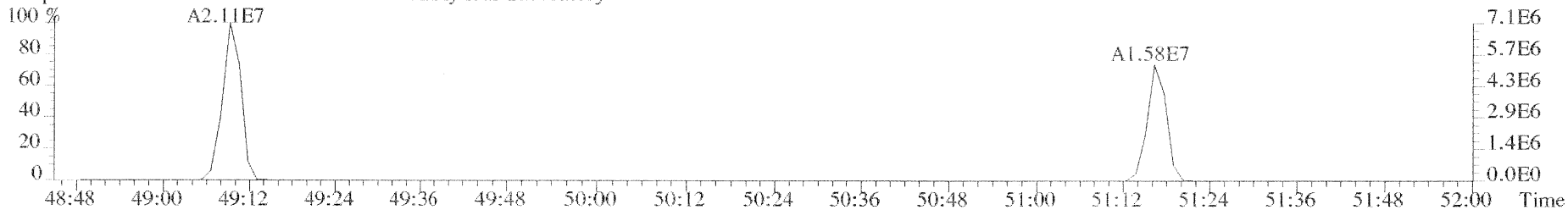
File:02DEC20Z #1-261 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



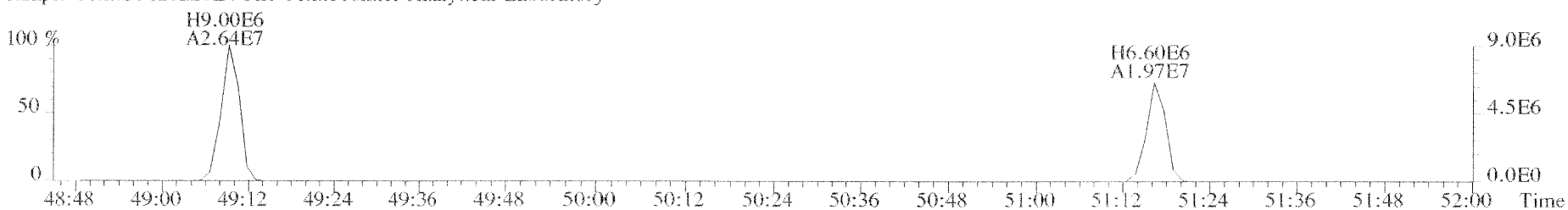
File:02DEC20Z #1-261 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



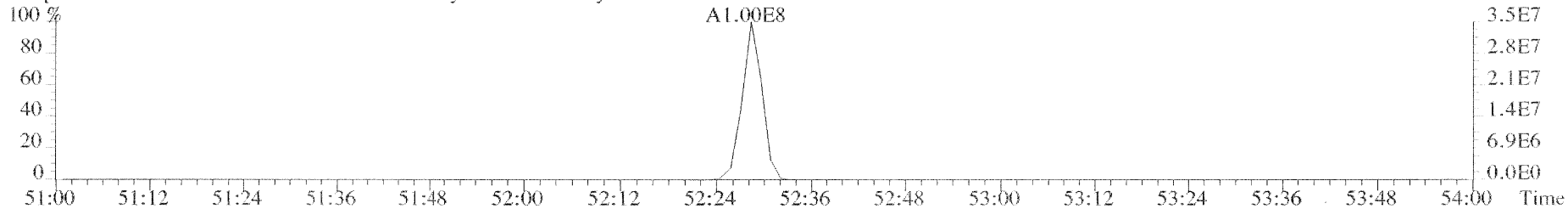
File:02DEC20Z #1-261 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



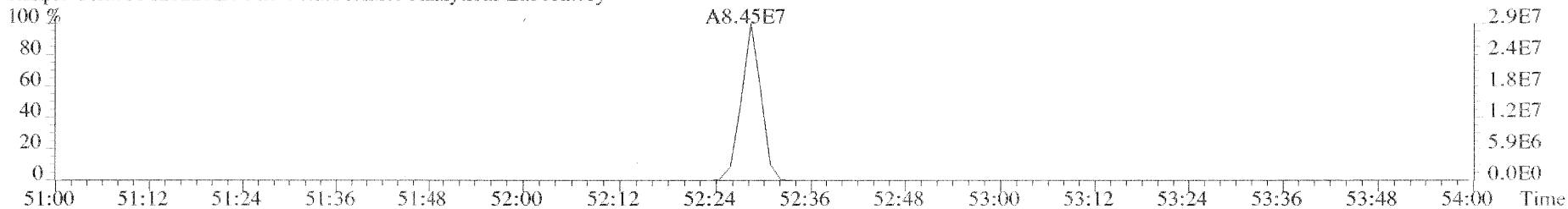
File:02DEC20Z #1-261 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



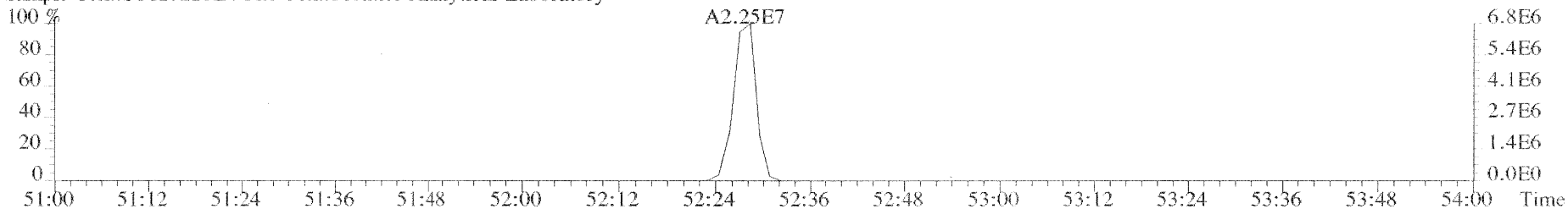
File:02DEC20Z #1-262 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



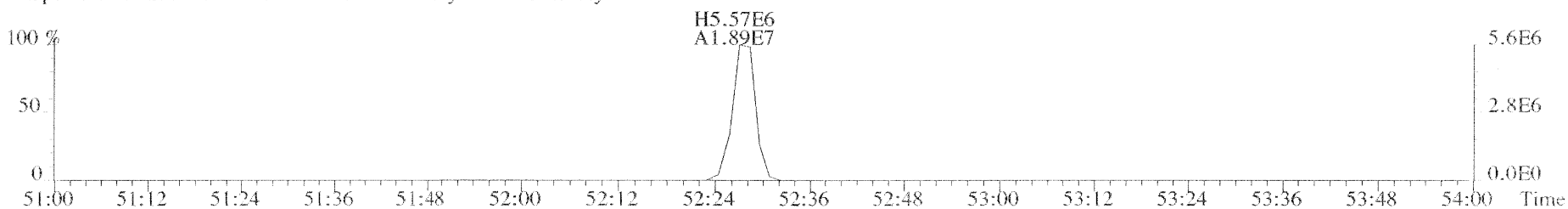
File:02DEC20Z #1-262 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



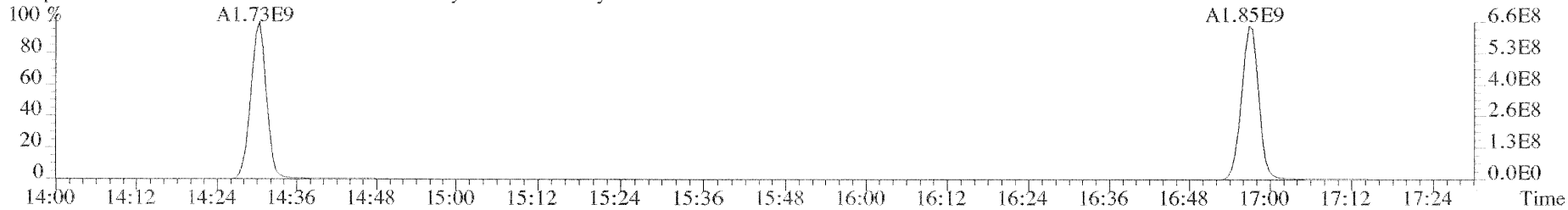
File:02DEC20Z #1-262 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



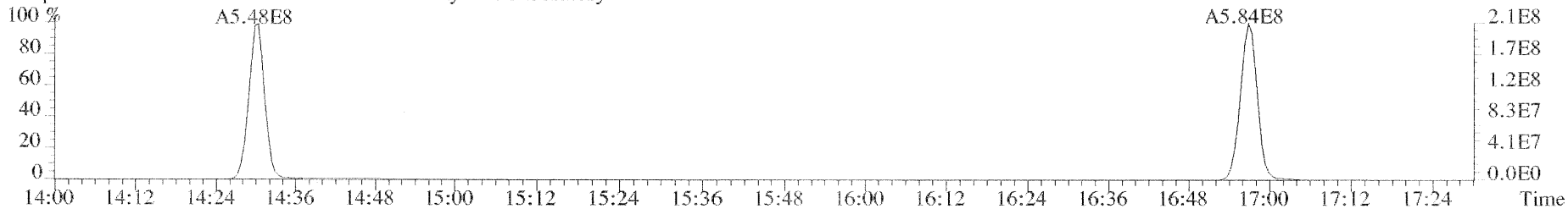
File:02DEC20Z #1-263 Acq: 2-DEC-2020 11:19:29 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z4 File Text:Frontier Analytical Laboratory



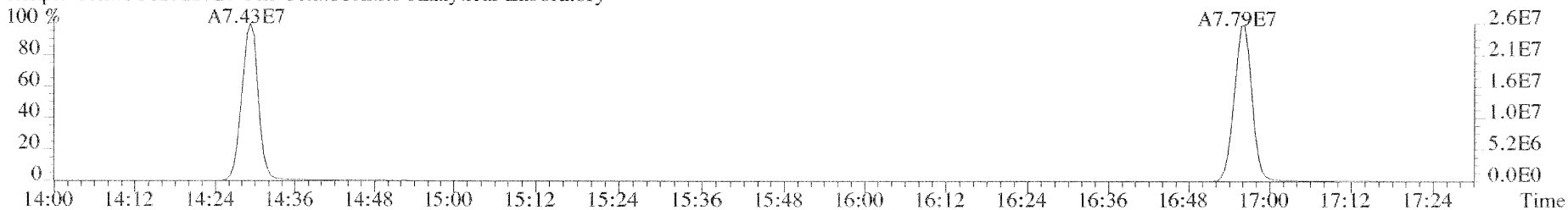
File:02DEC20Z #1-783 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



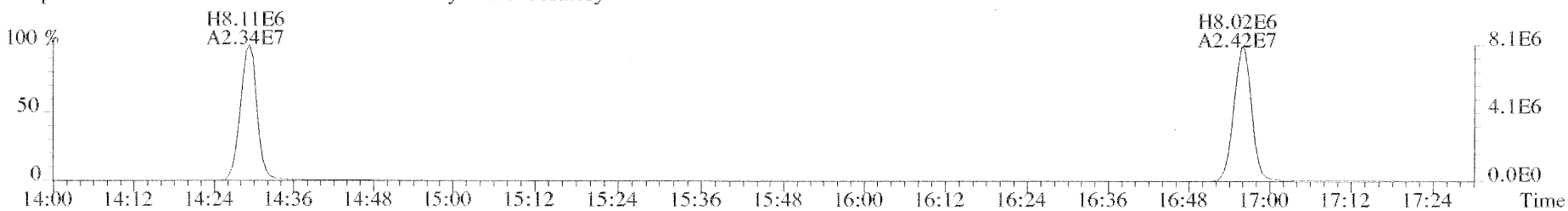
File:02DEC20Z #1-783 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



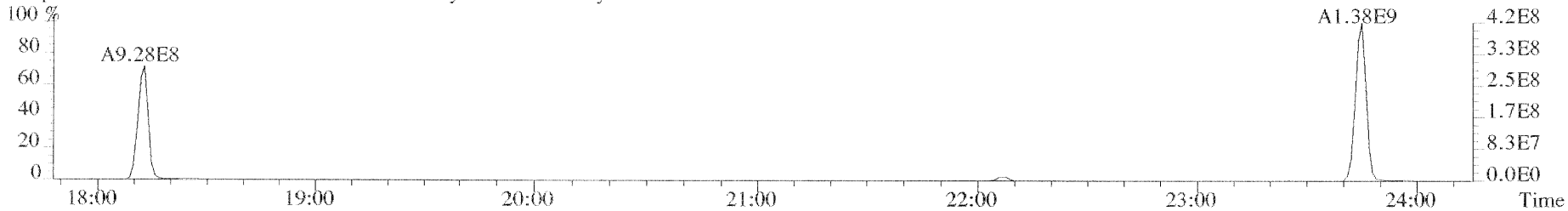
File:02DEC20Z #1-783 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



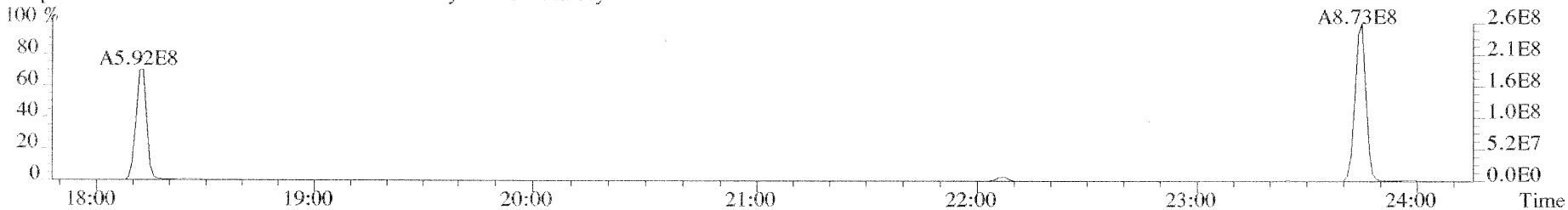
File:02DEC20Z #1-783 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



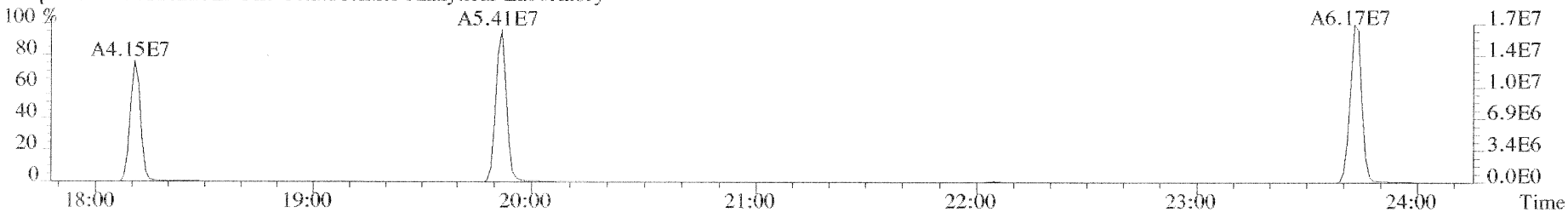
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



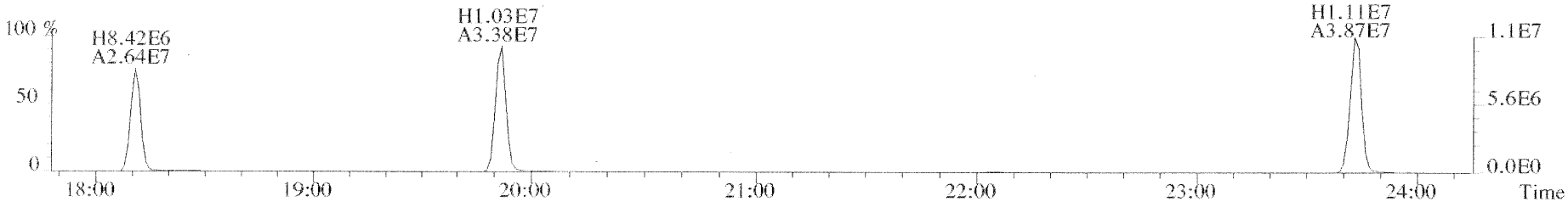
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



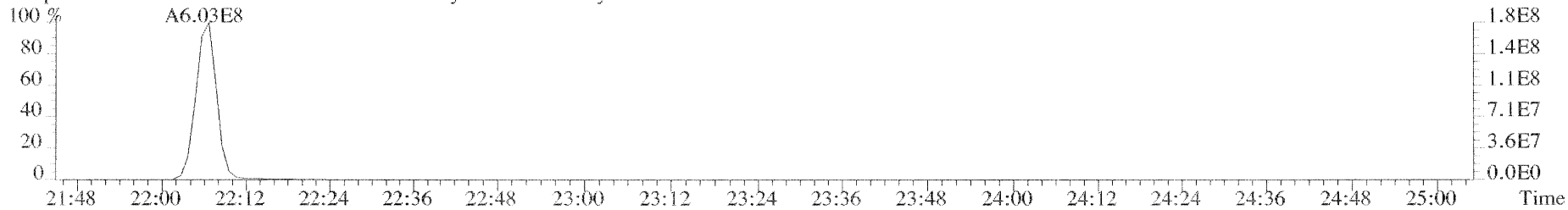
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



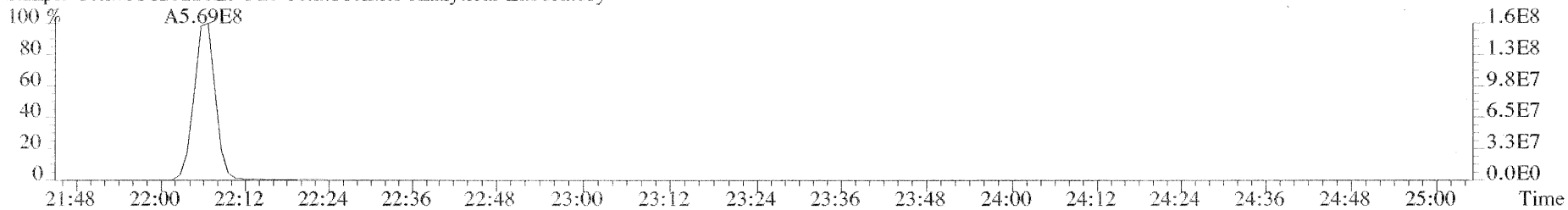
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



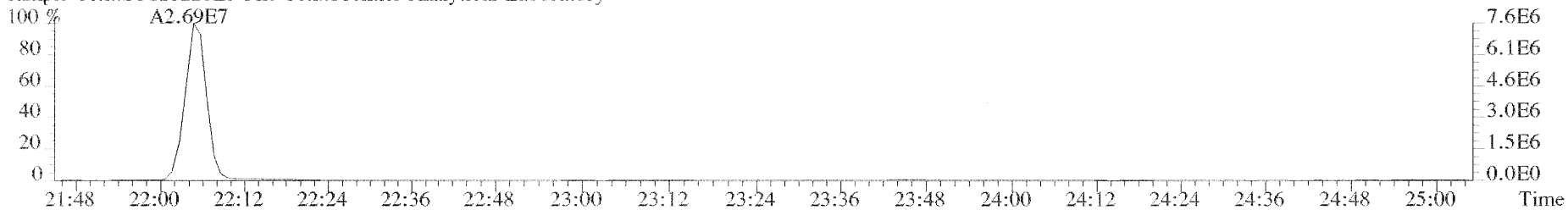
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



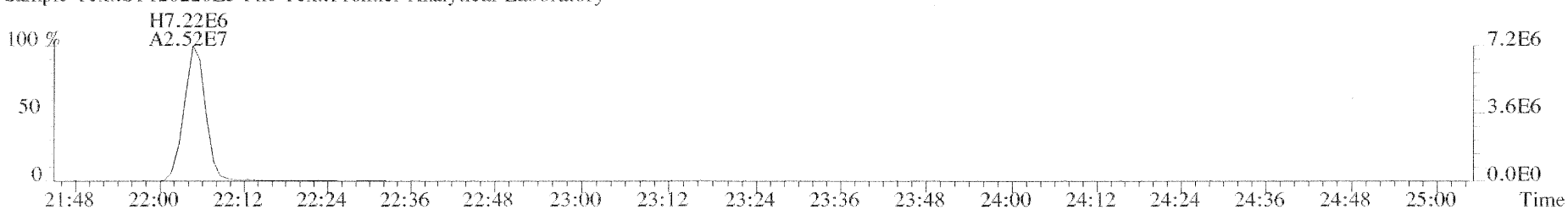
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



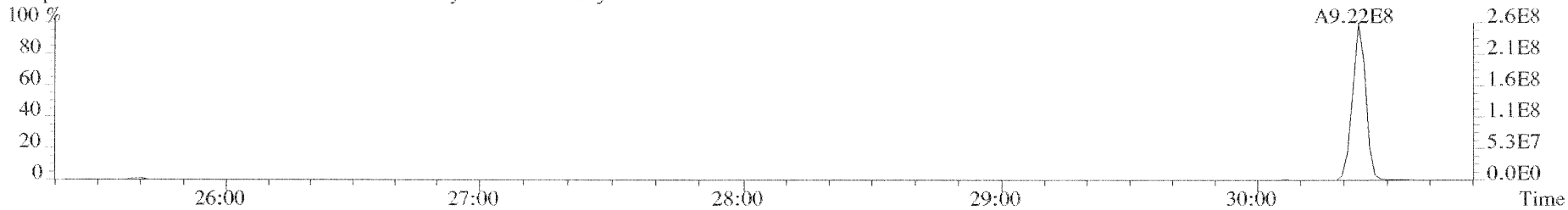
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



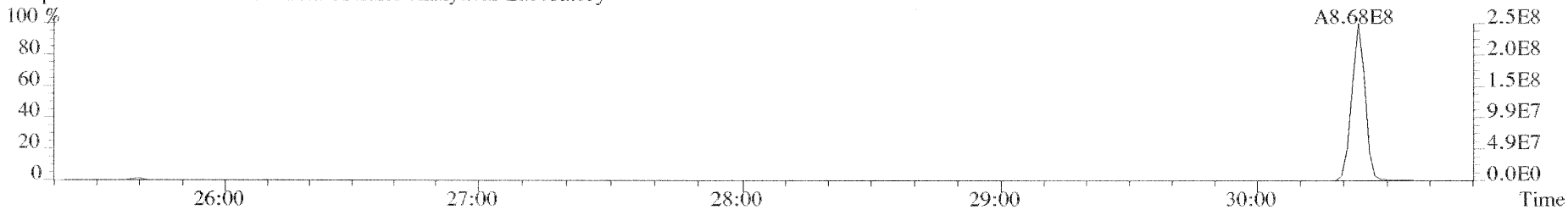
File:02DEC20Z #1-467 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



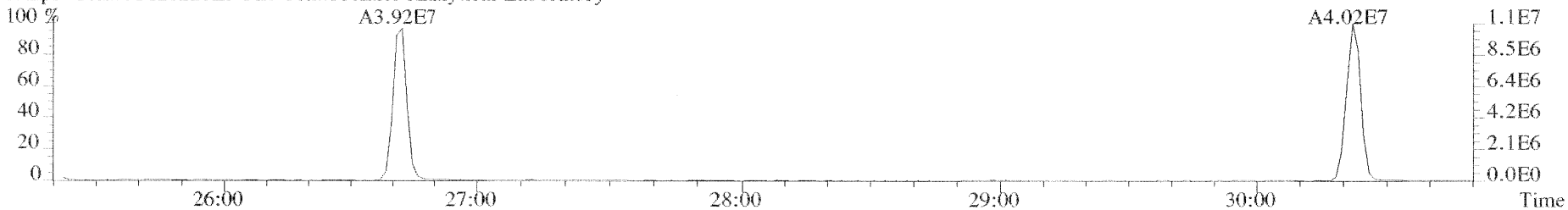
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



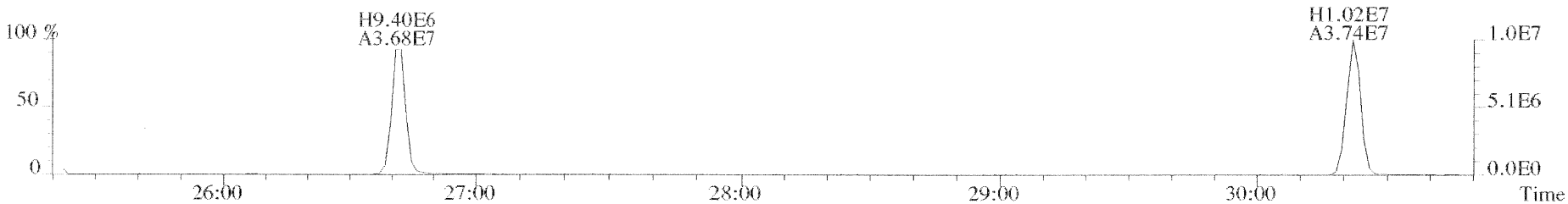
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



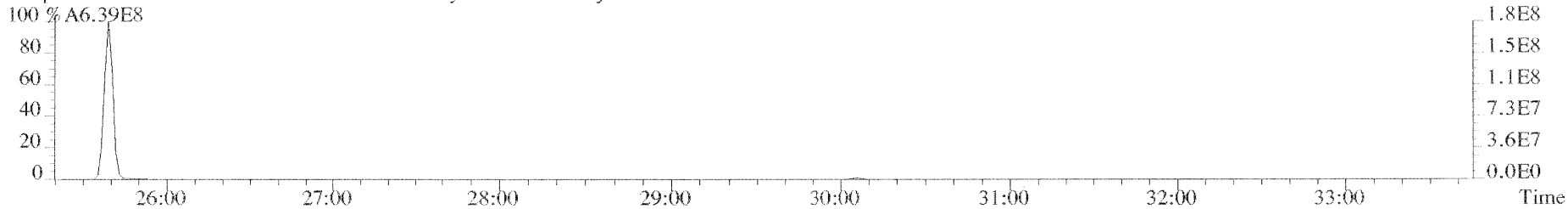
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



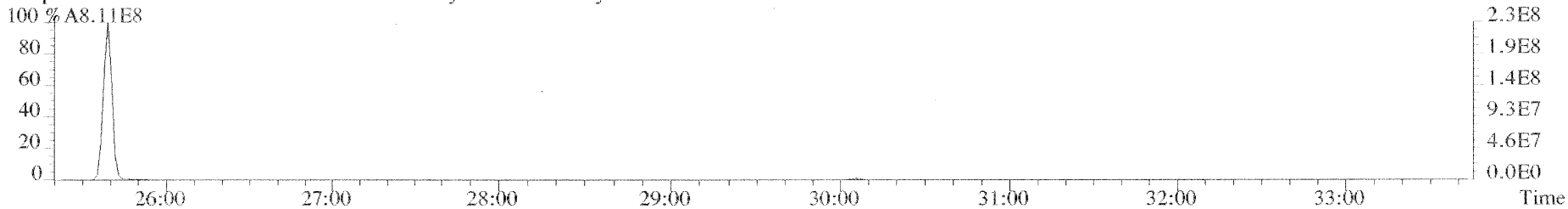
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



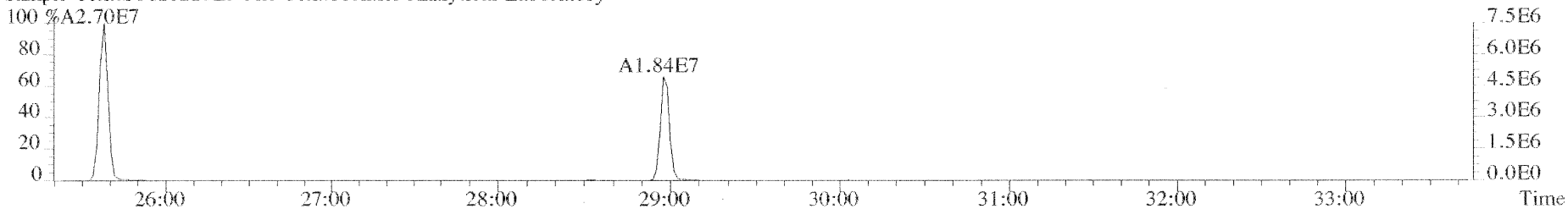
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



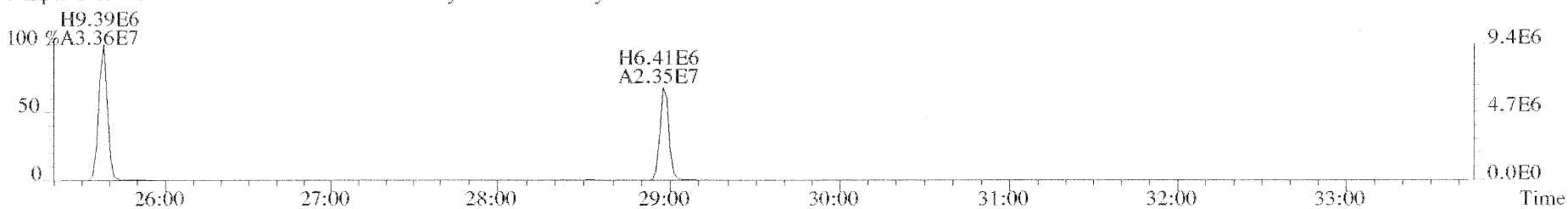
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



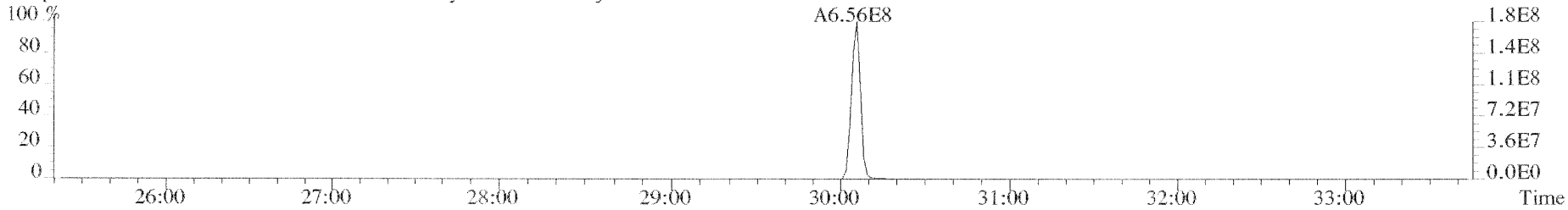
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



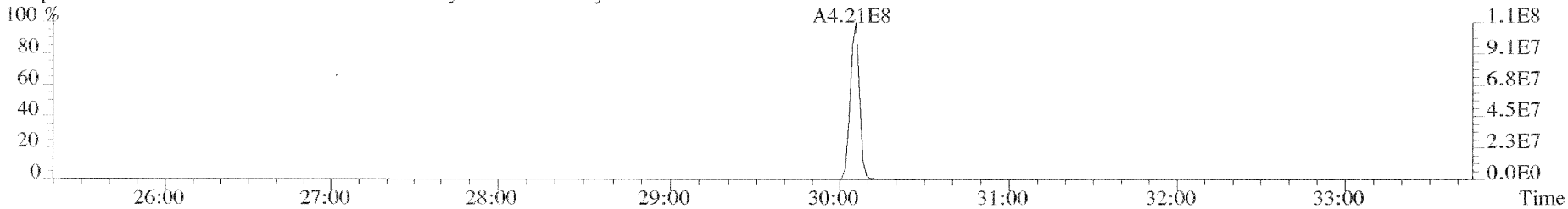
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



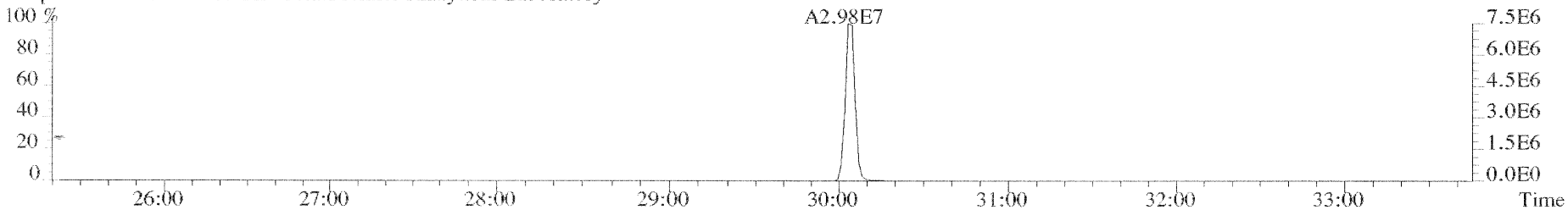
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



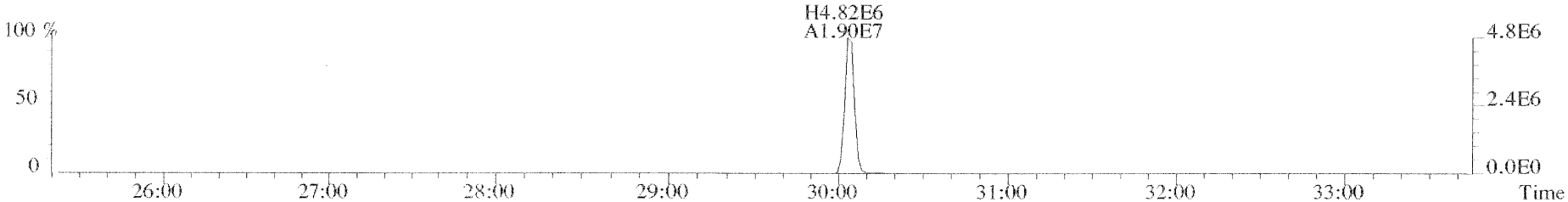
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



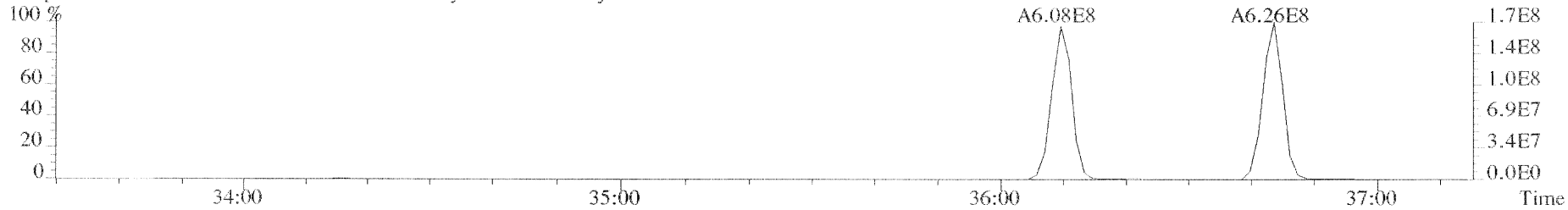
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



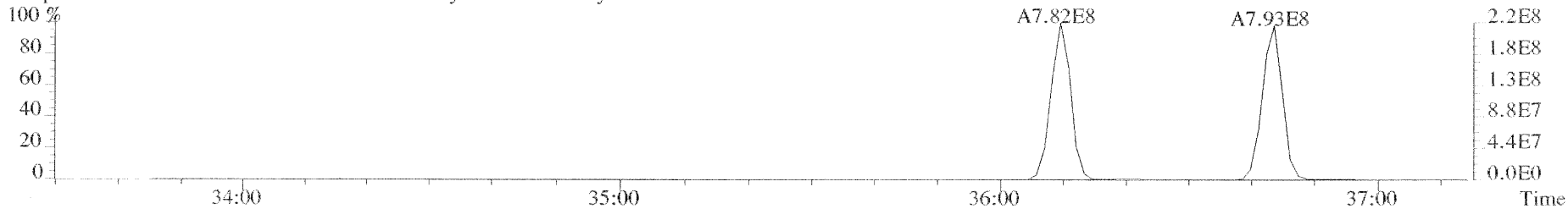
File:02DEC20Z #1-397 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



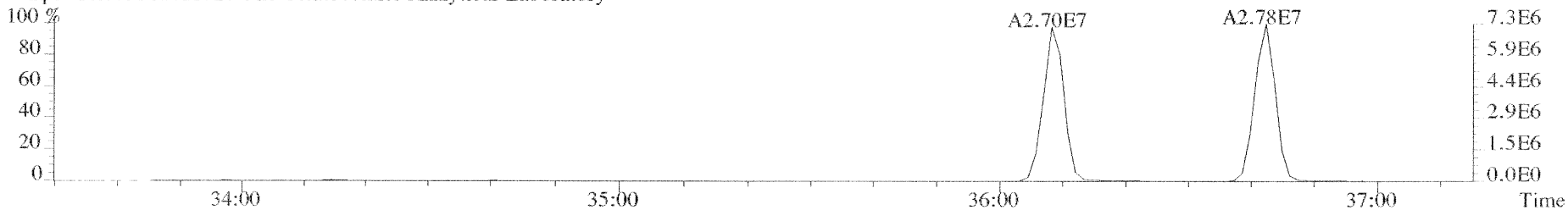
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



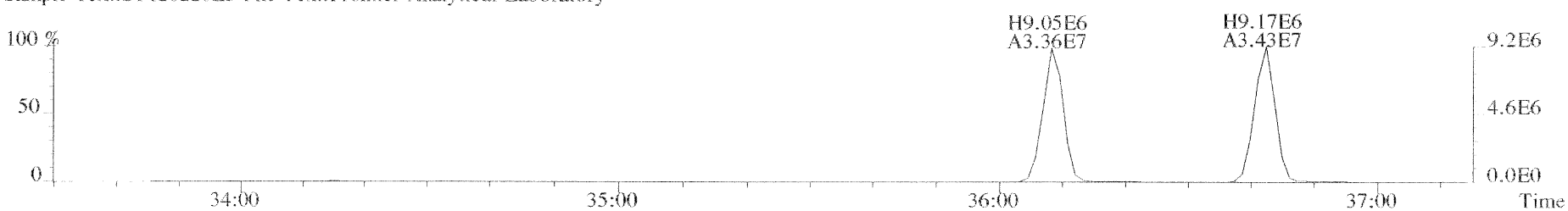
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



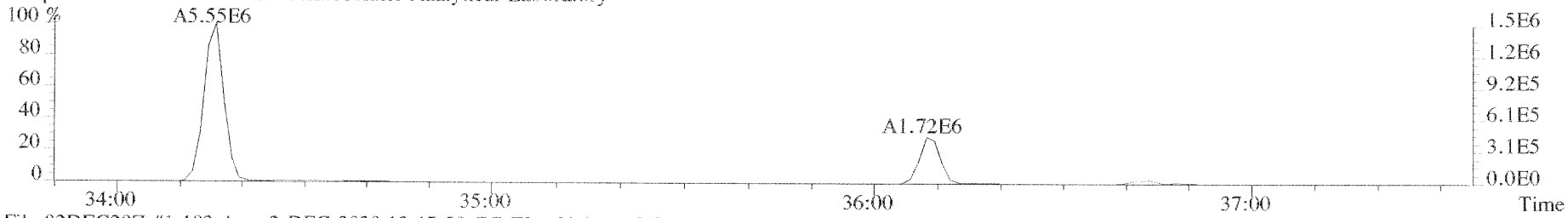
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



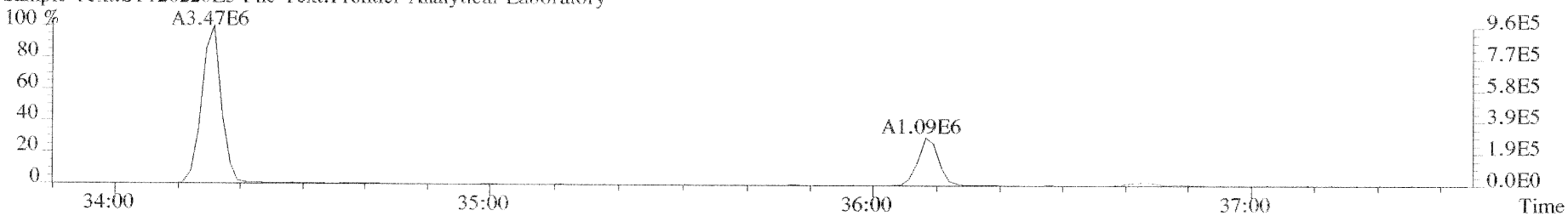
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



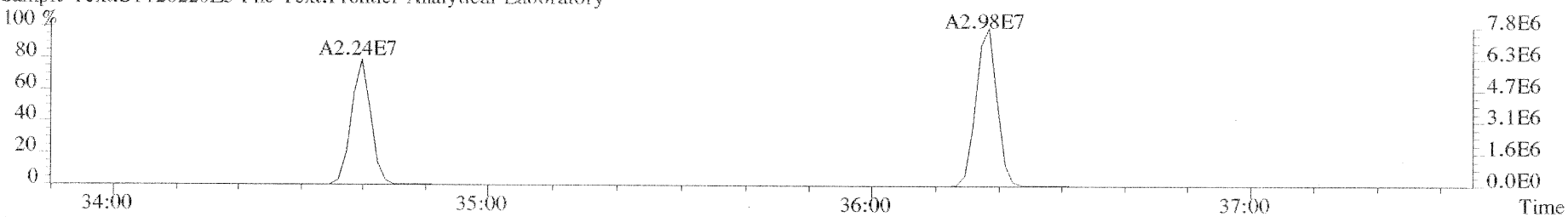
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



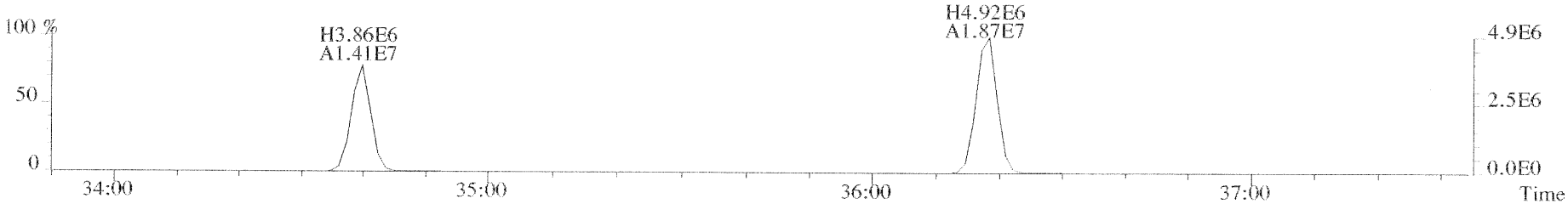
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



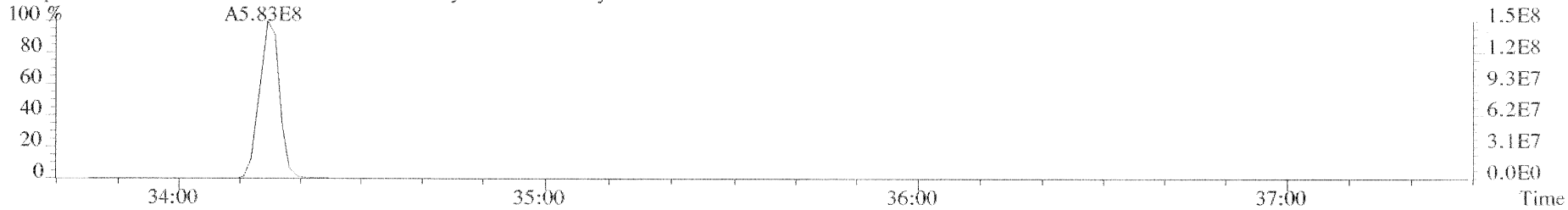
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



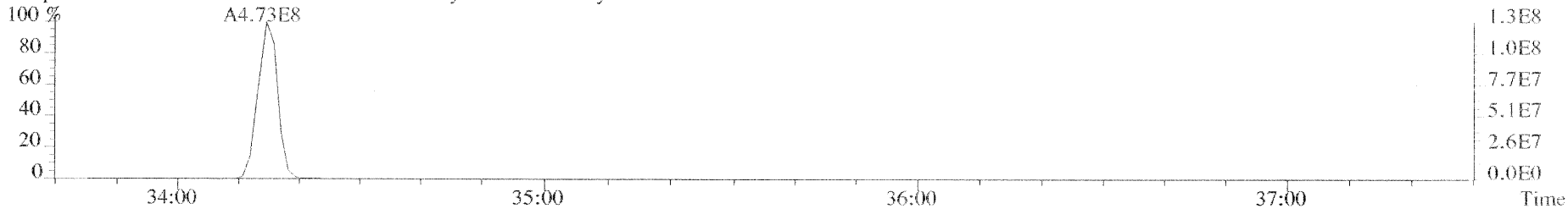
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



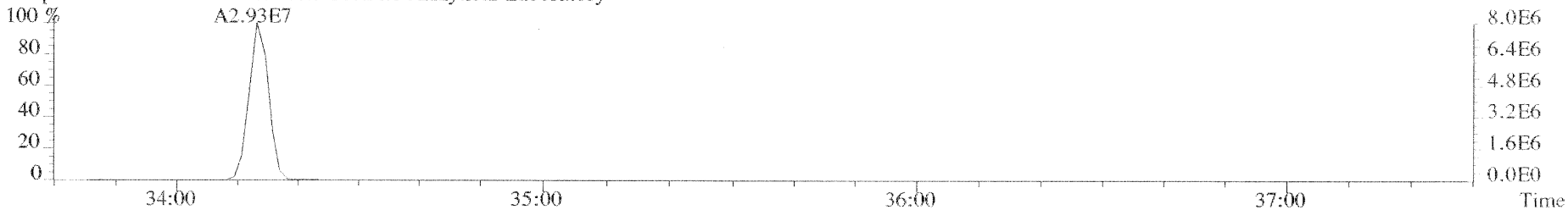
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



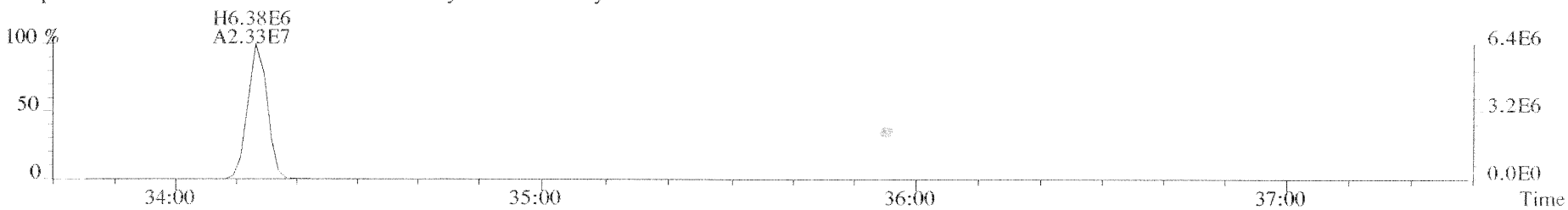
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



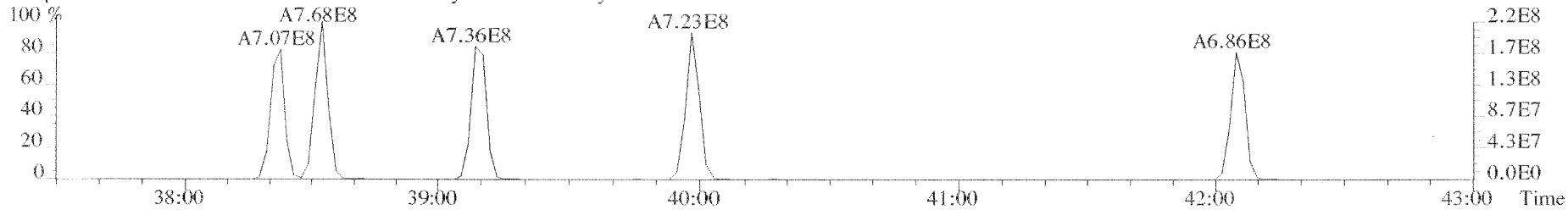
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



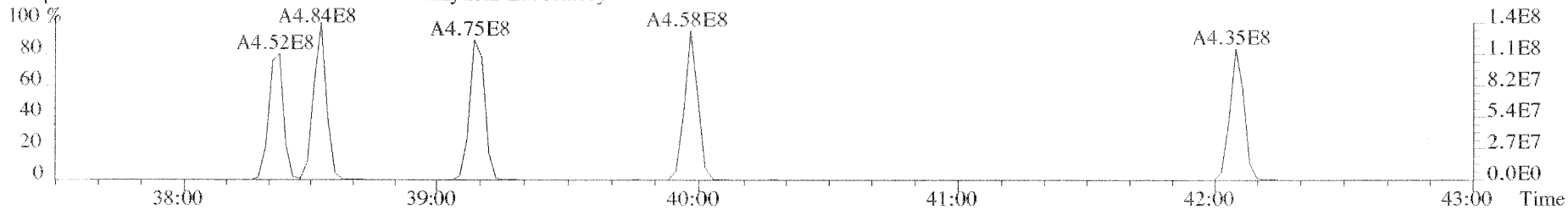
File:02DEC20Z #1-183 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



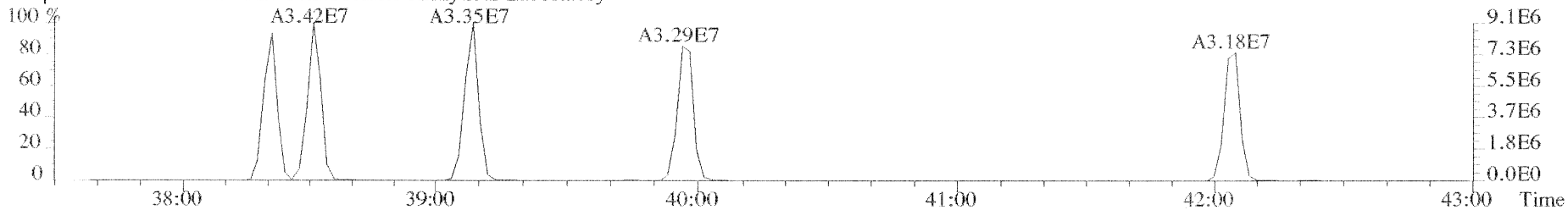
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



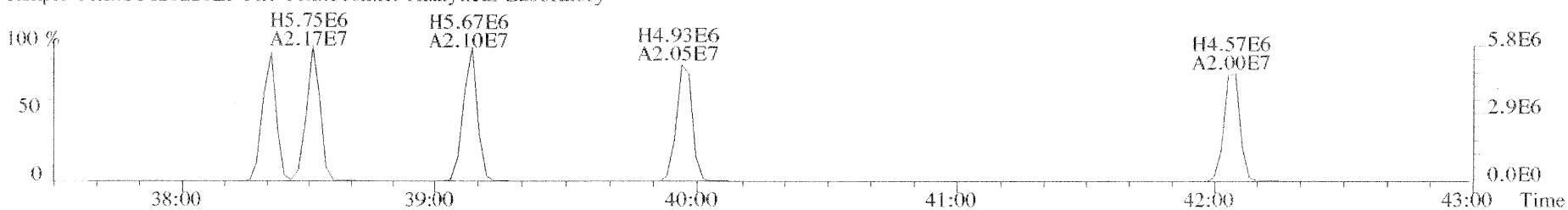
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



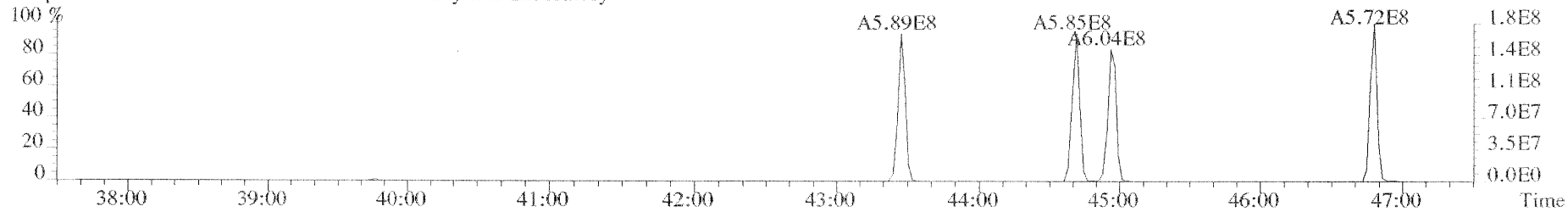
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



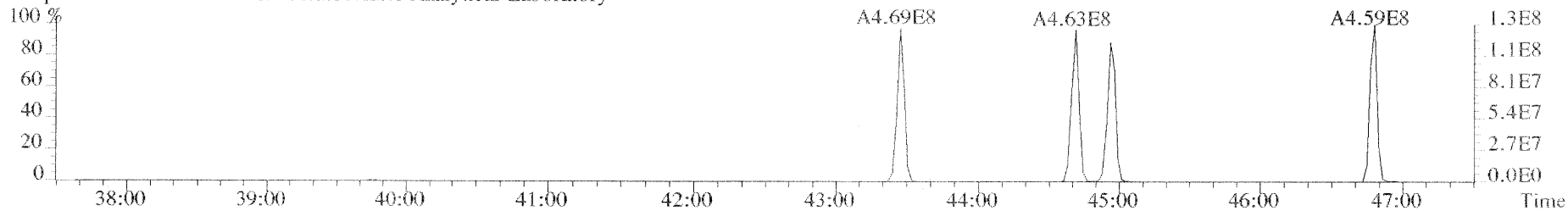
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



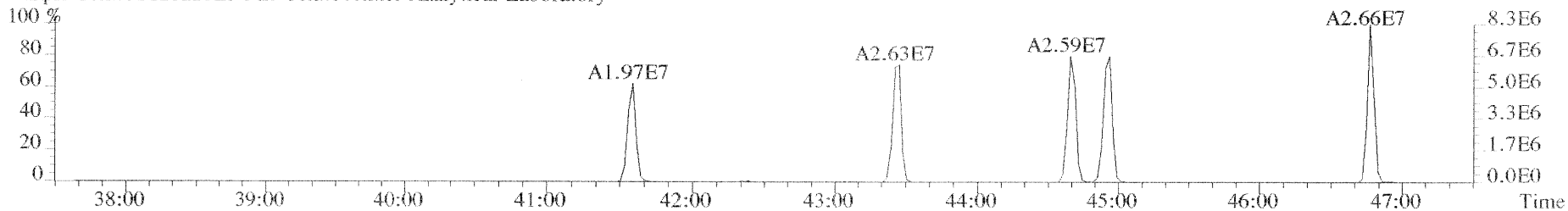
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



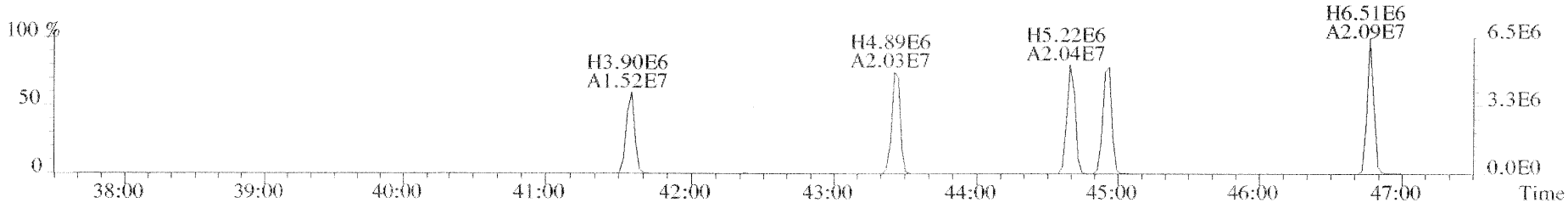
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



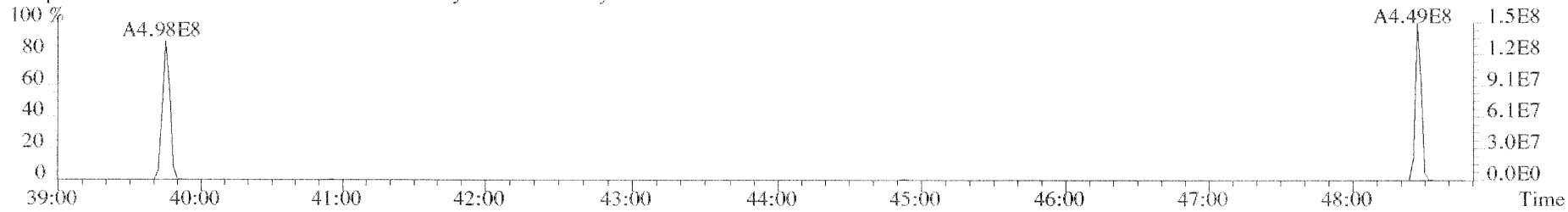
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



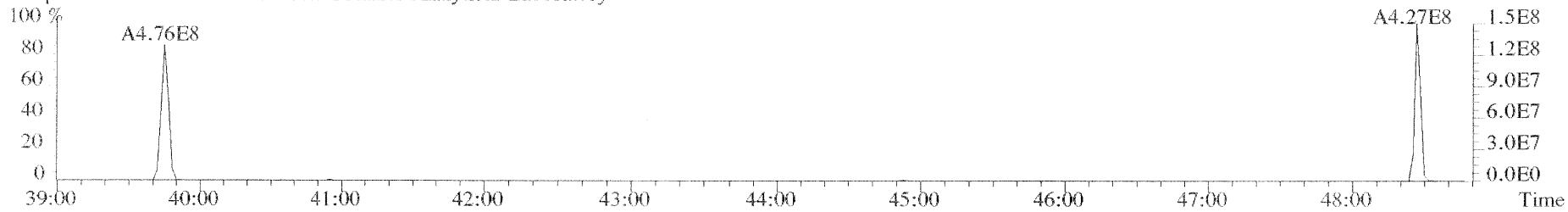
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



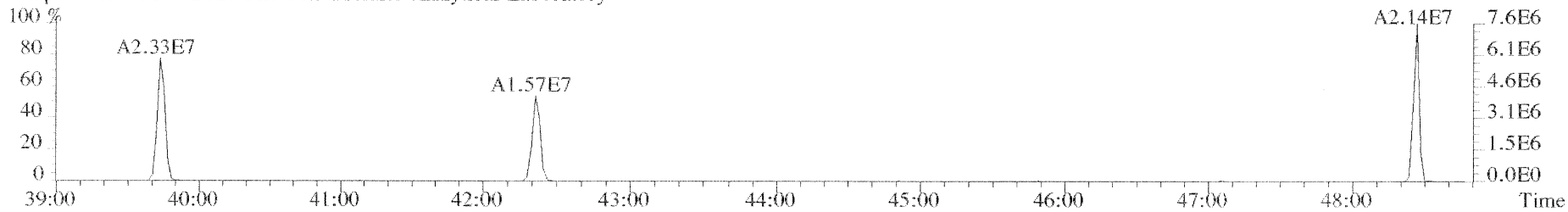
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



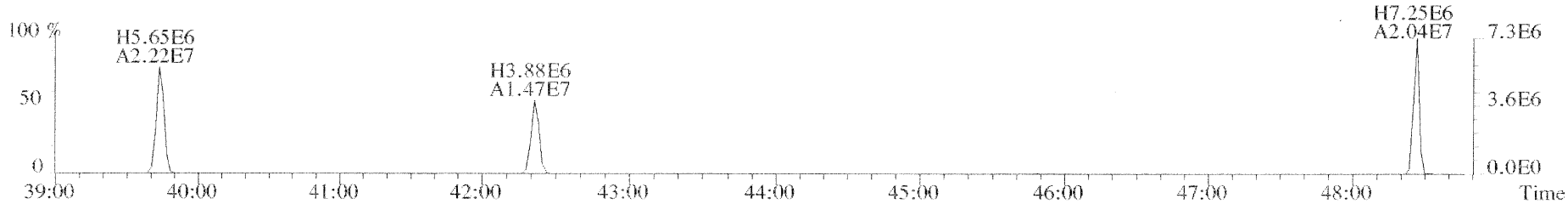
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



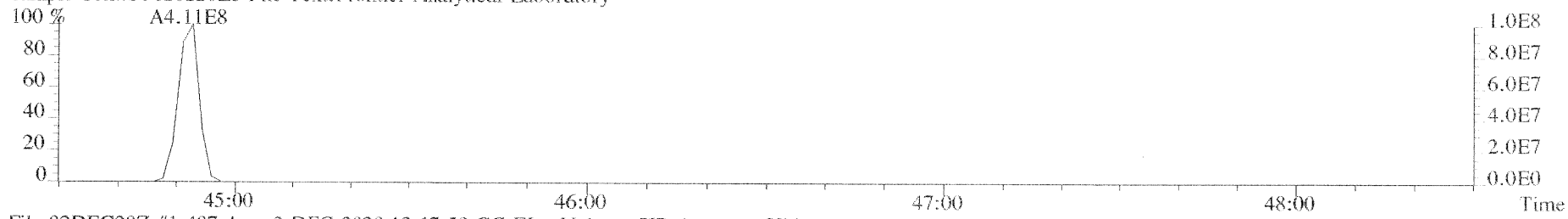
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



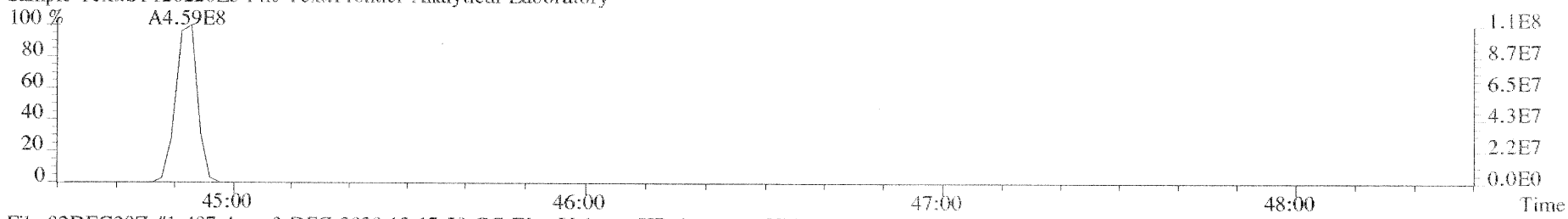
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



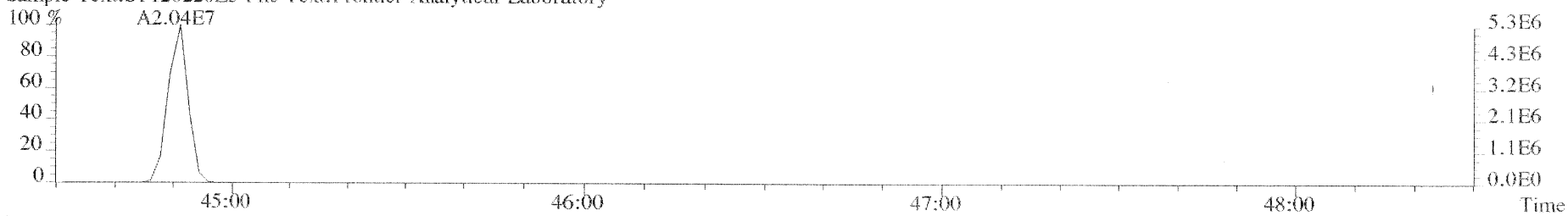
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



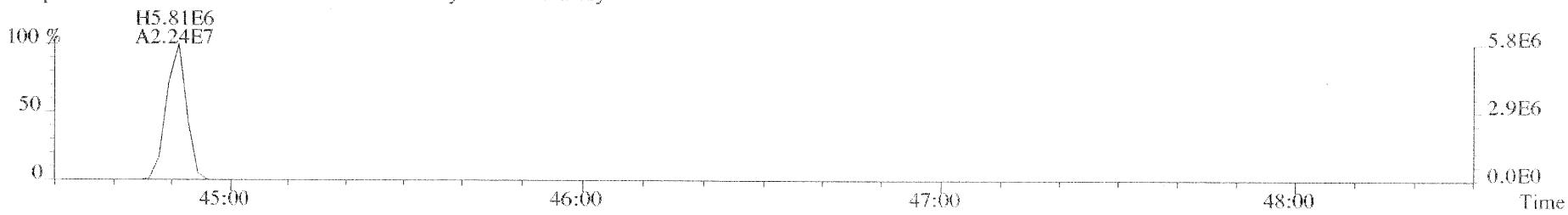
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



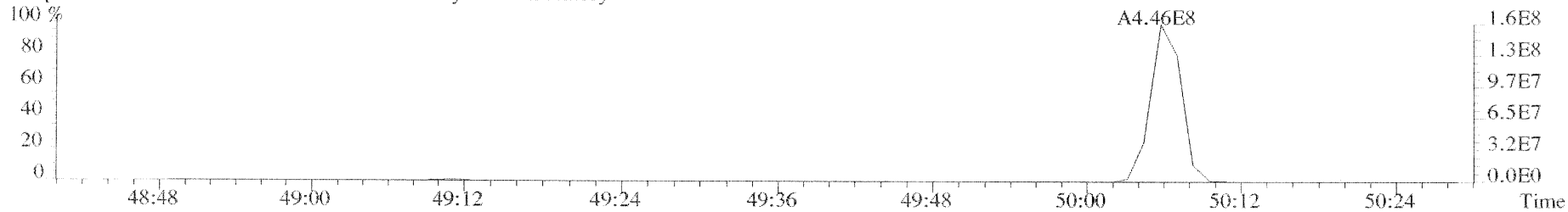
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



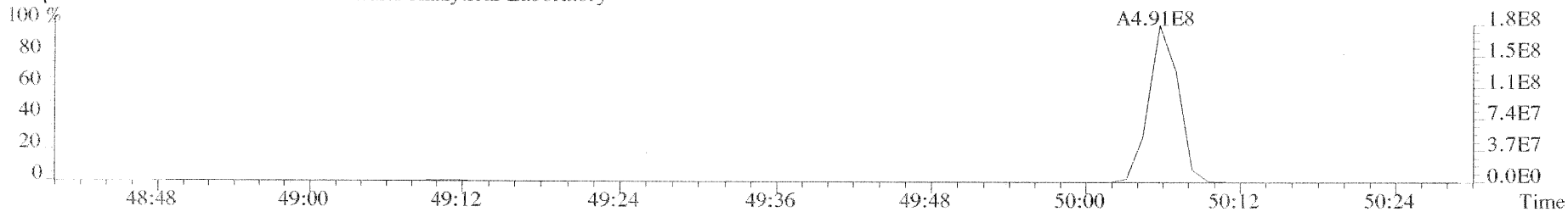
File:02DEC20Z #1-407 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



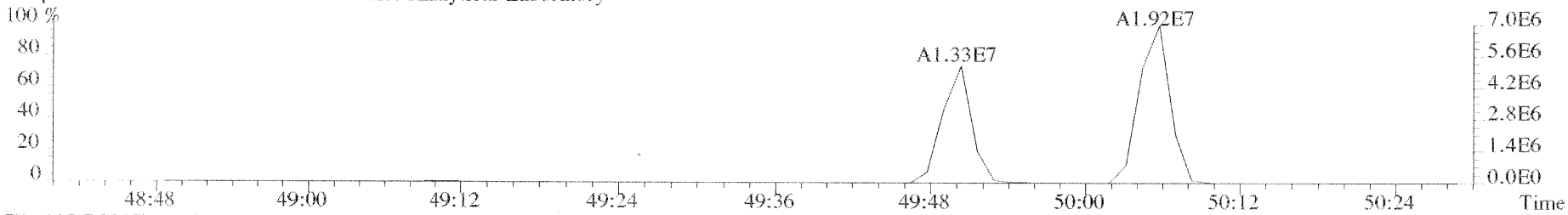
File:02DEC20Z #1-259 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



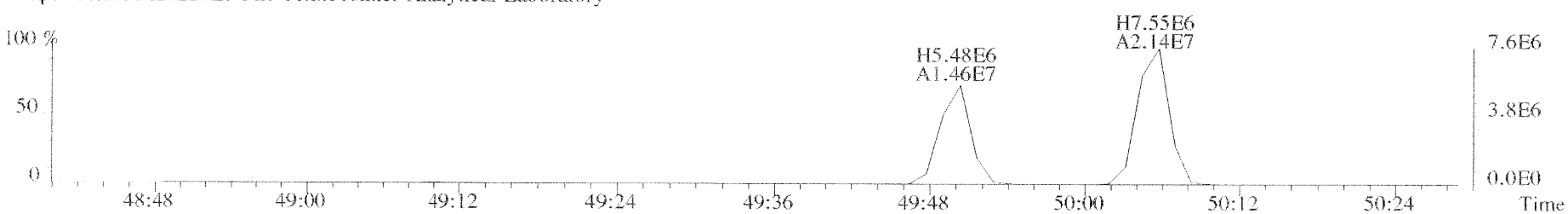
File:02DEC20Z #1-259 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



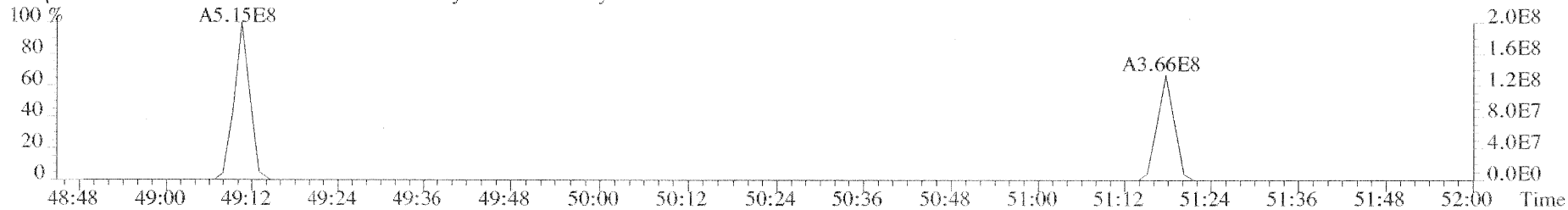
File:02DEC20Z #1-259 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



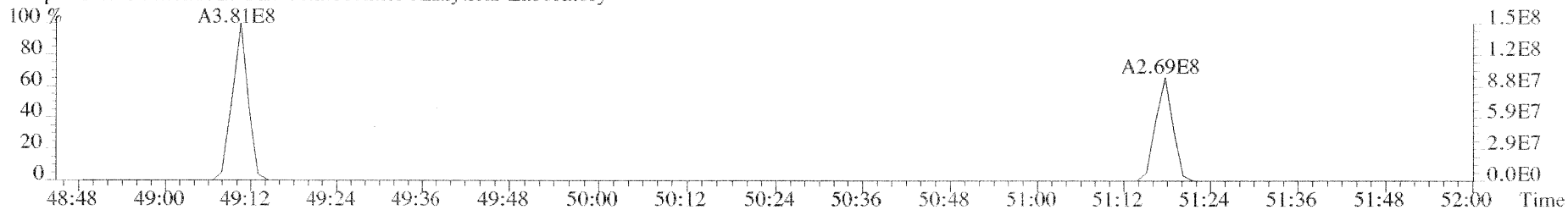
File:02DEC20Z #1-259 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



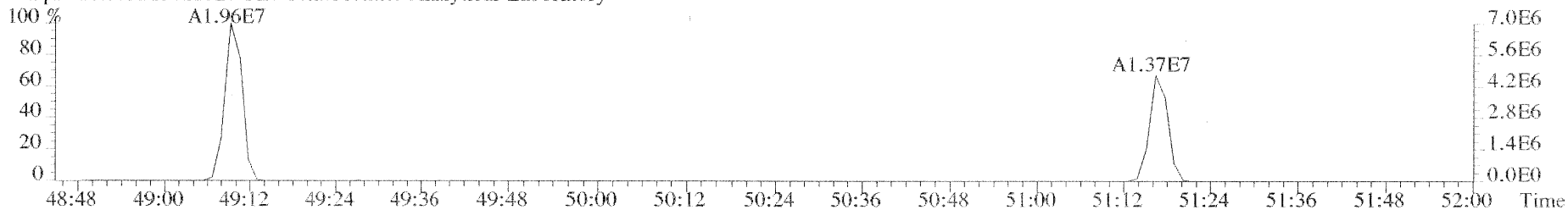
File:02DEC20Z #1-260 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



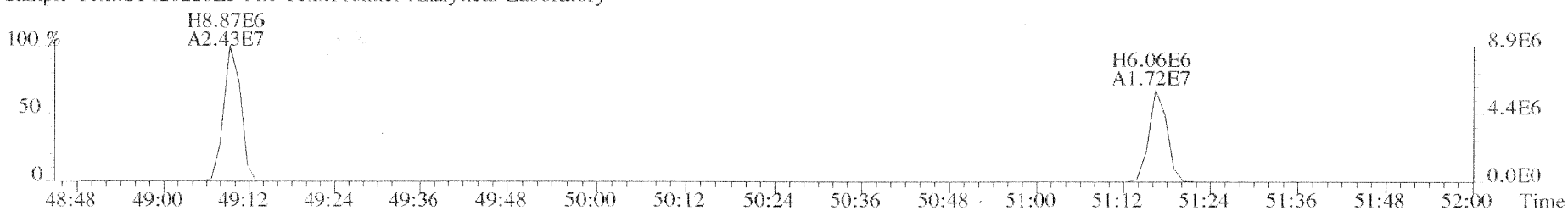
File:02DEC20Z #1-260 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



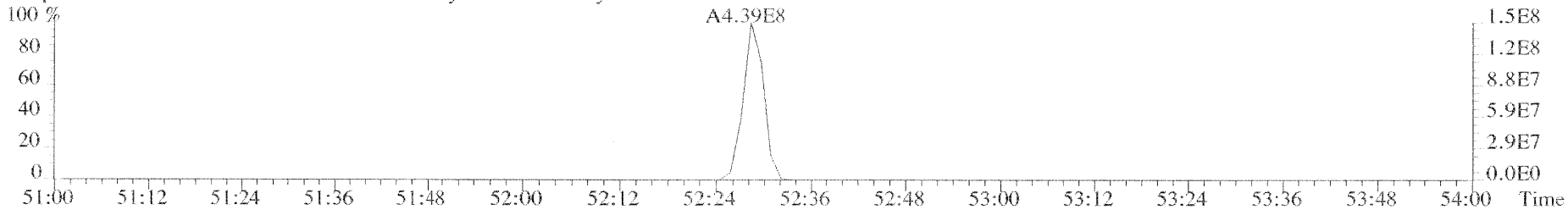
File:02DEC20Z #1-260 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



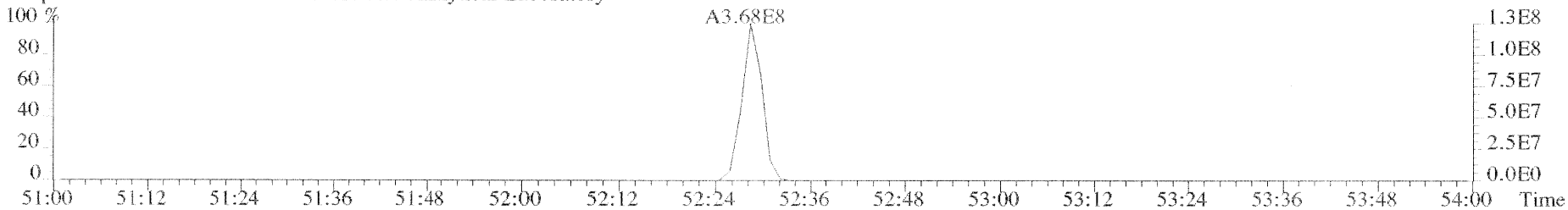
File:02DEC20Z #1-260 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



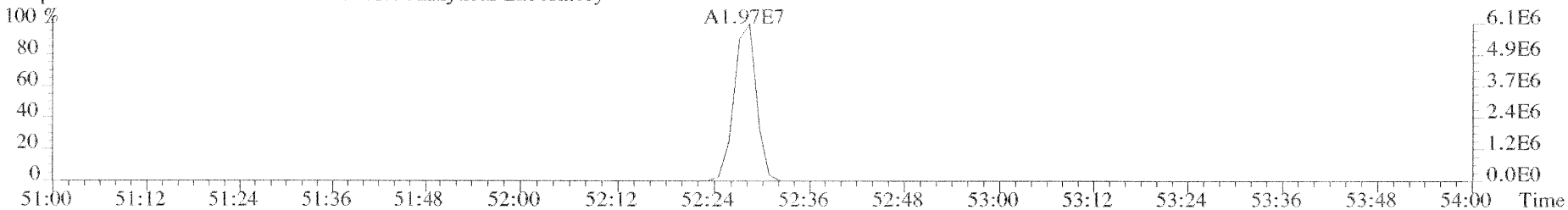
File:02DEC20Z #1-261 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



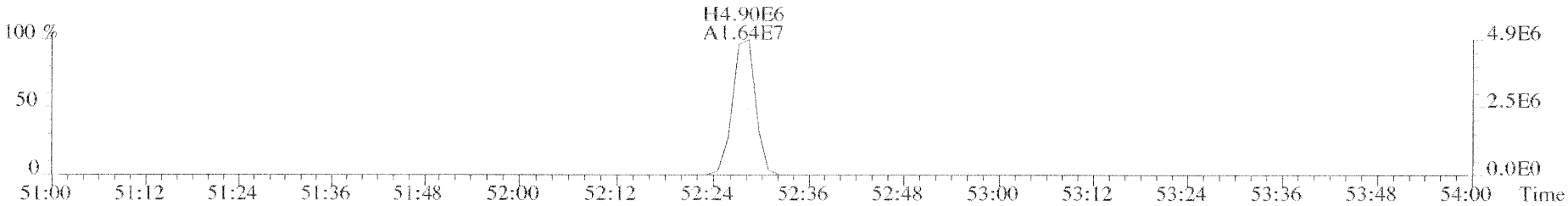
File:02DEC20Z #1-261 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory



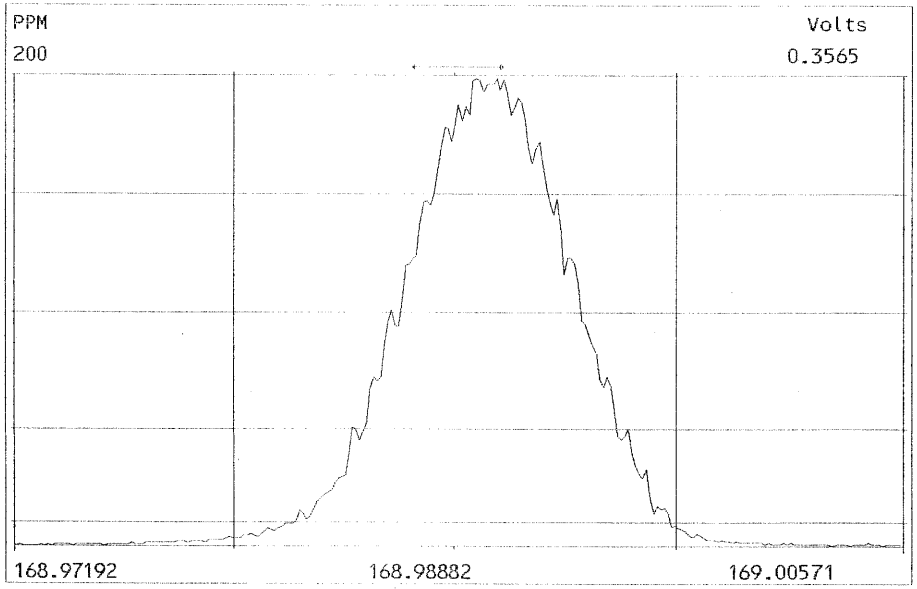
File:02DEC20Z #1-261 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory

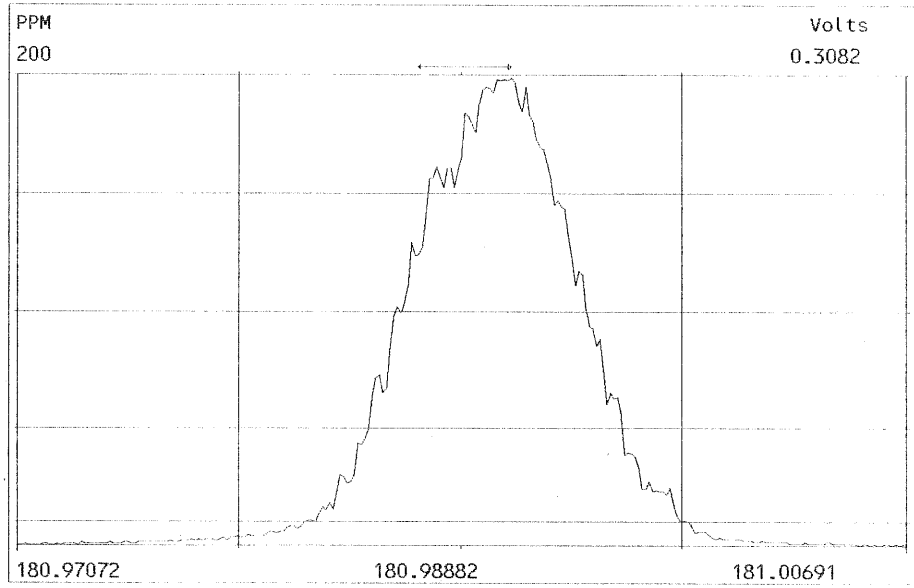


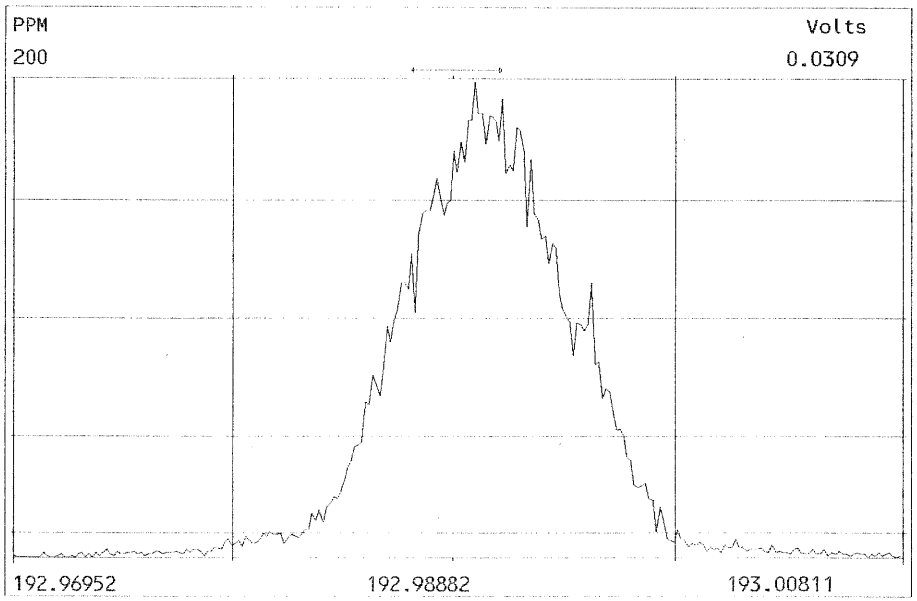
File:02DEC20Z #1-261 Acq: 2-DEC-2020 12:17:50 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST120220Z5 File Text:Frontier Analytical Laboratory

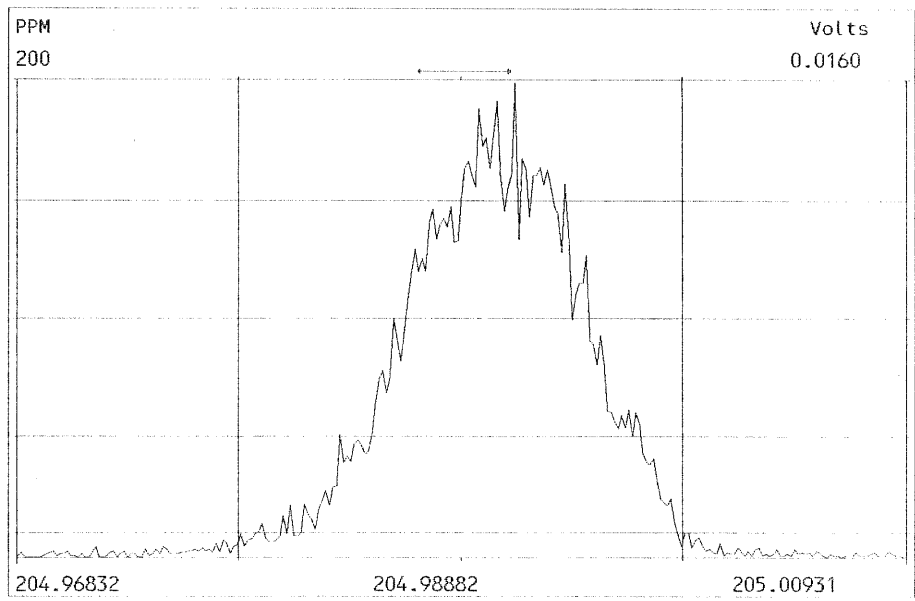


Peak Locate Examination: 2-DEC-2020:18:36 File:02DEC20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98



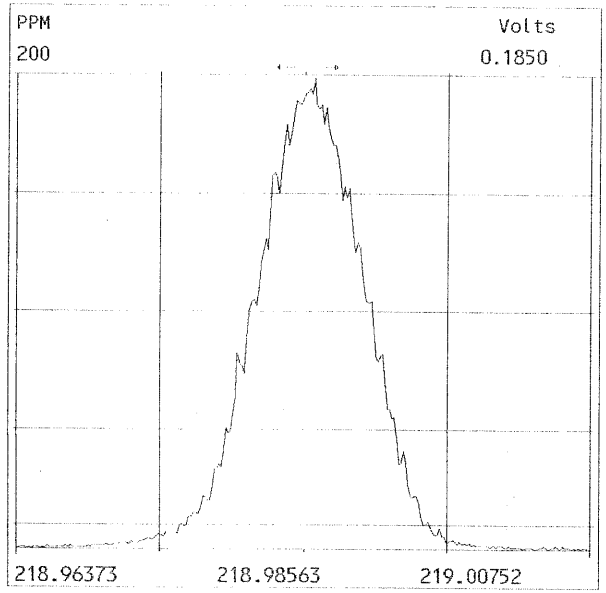


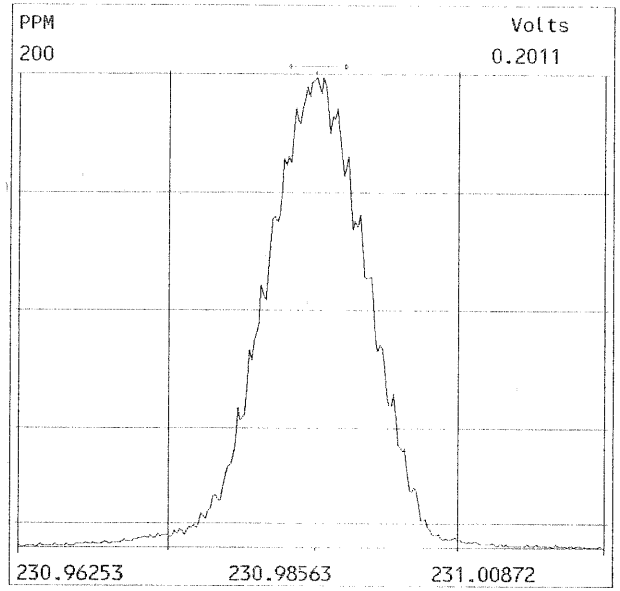


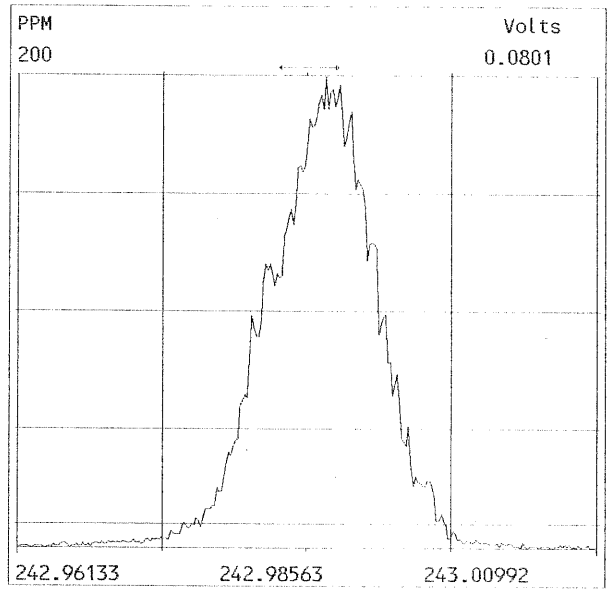


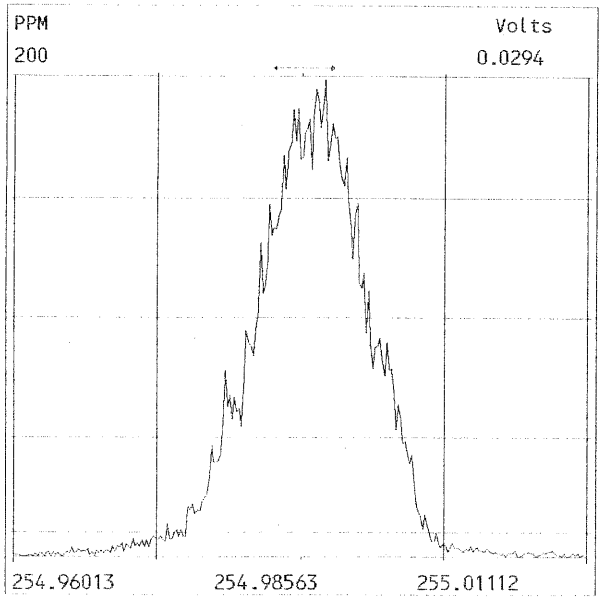
Peak Locate Examination: 2-DEC-2020:18:39 File:02DEC20Z_RES_CHECK

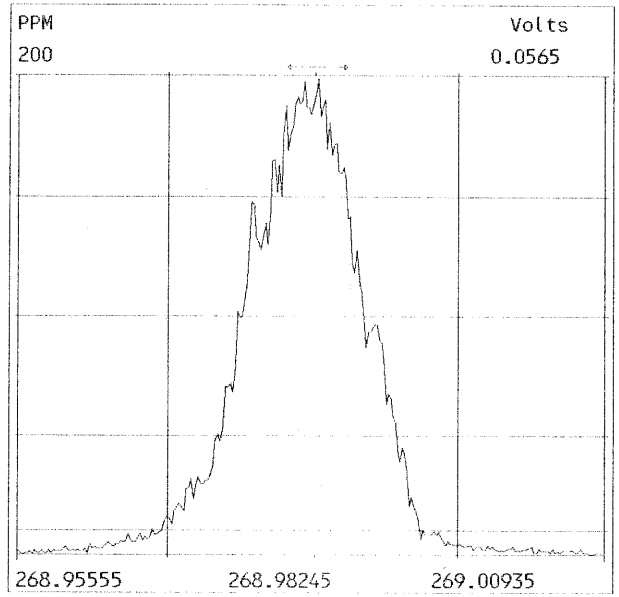
Experiment:1668PCB Function:2 Reference:PFK 98

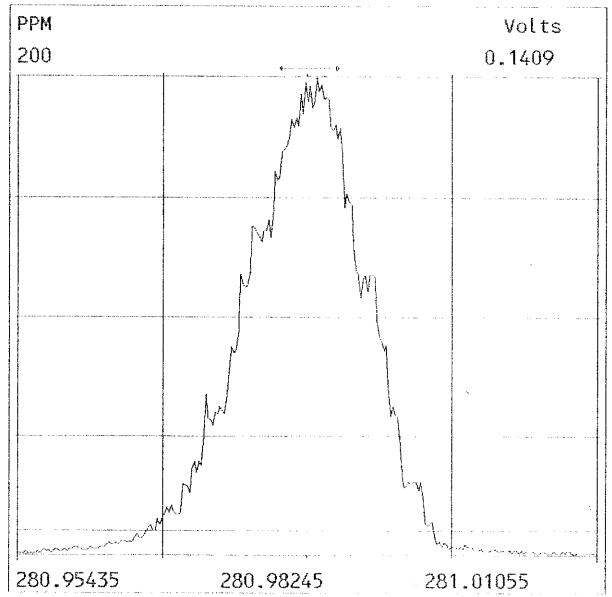




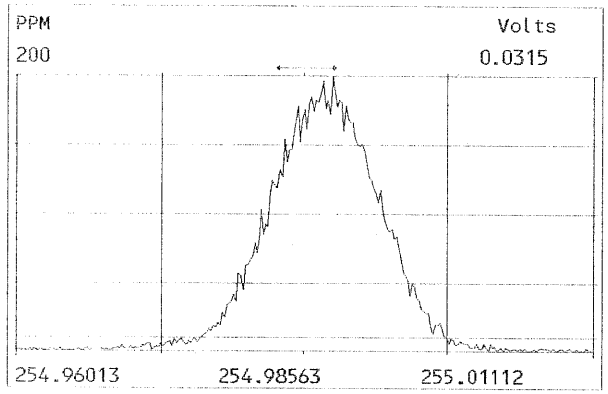


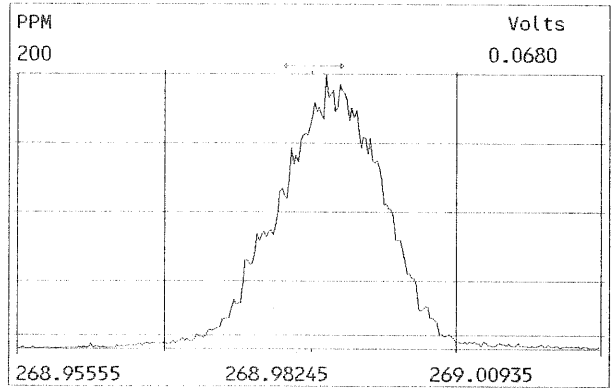


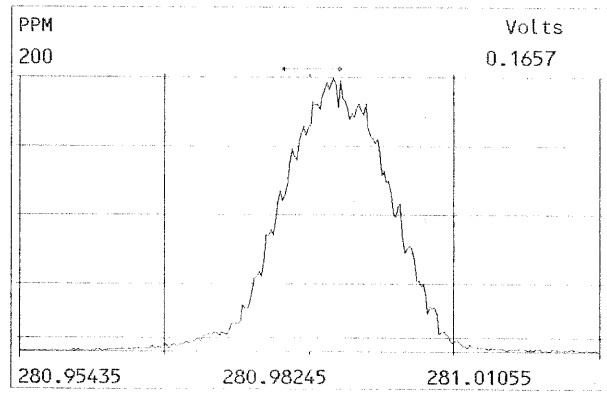


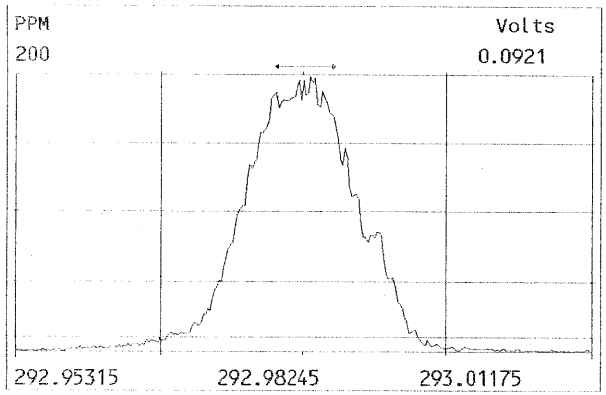


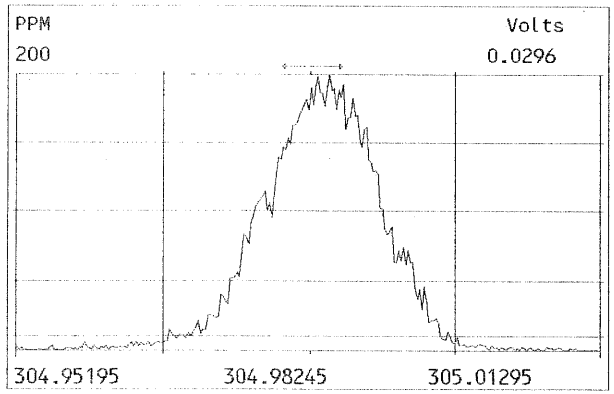
Peak Locate Examination: 2-DEC-2020:18:41 File:02DEC20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK98

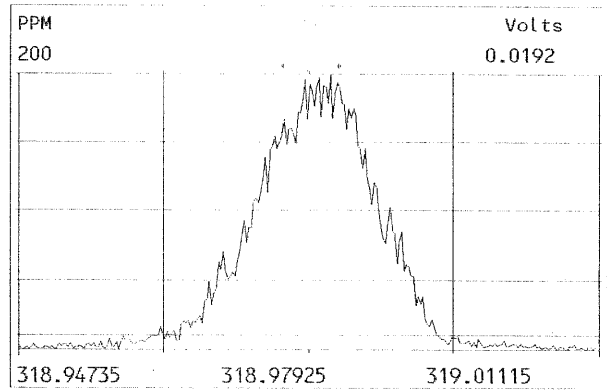


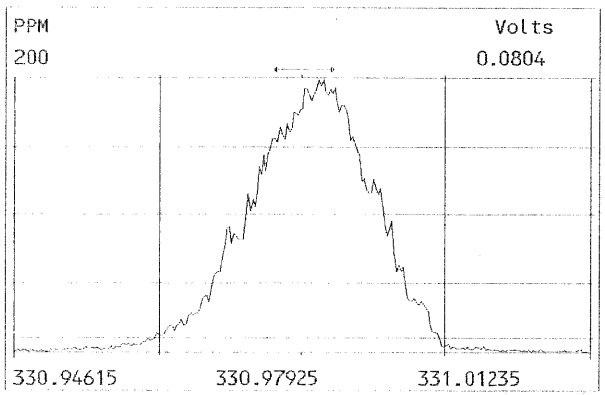


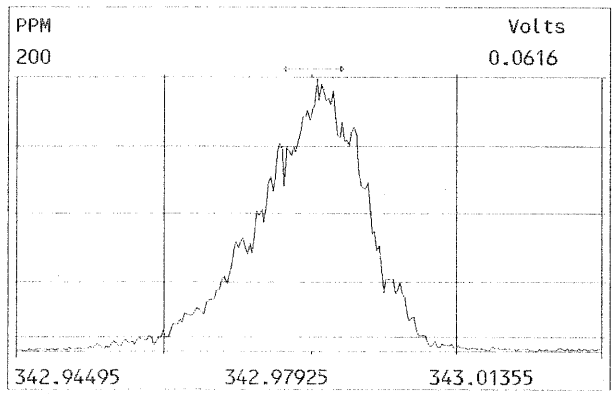






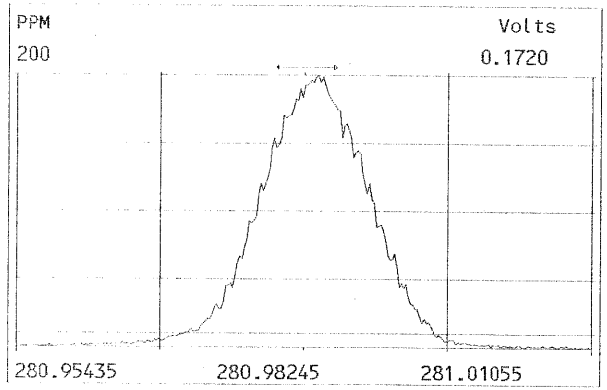


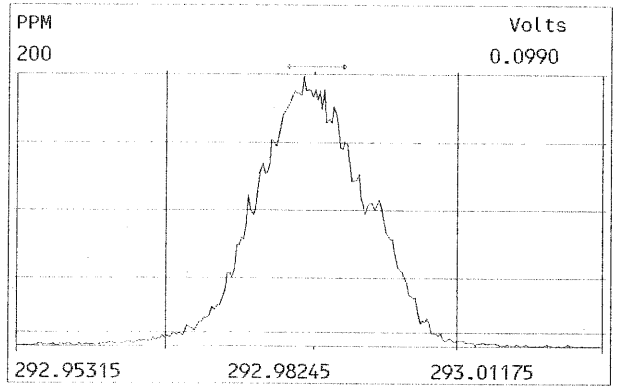


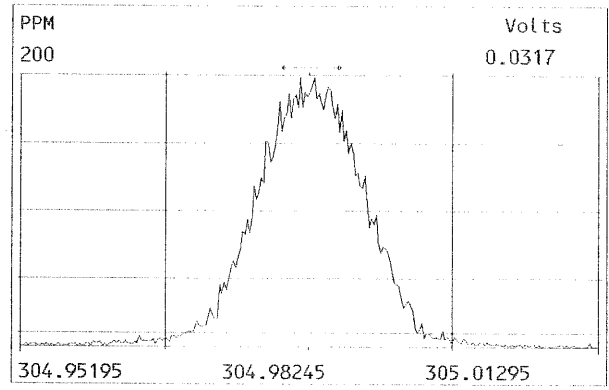


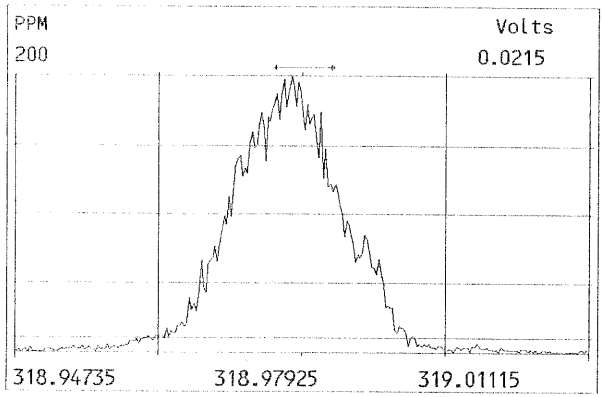
Peak Locate Examination: 2-DEC-2020:18:43 File:02DEC20Z_RES_CHECK

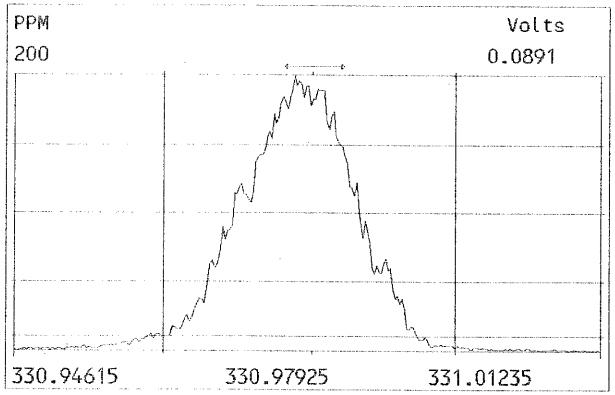
Experiment:1668PCB Function:4 Reference:PFK 98

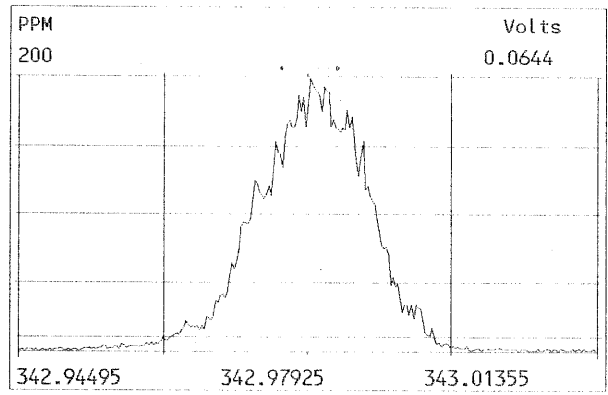


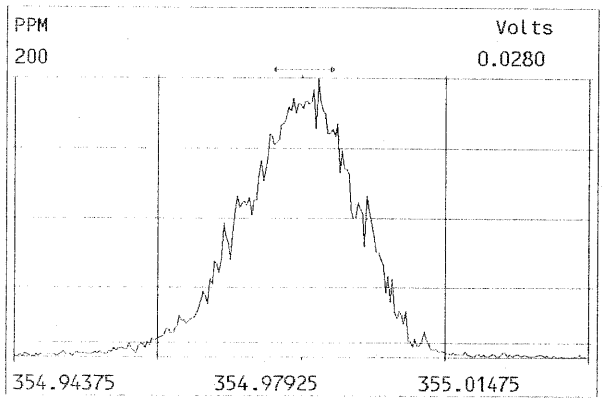


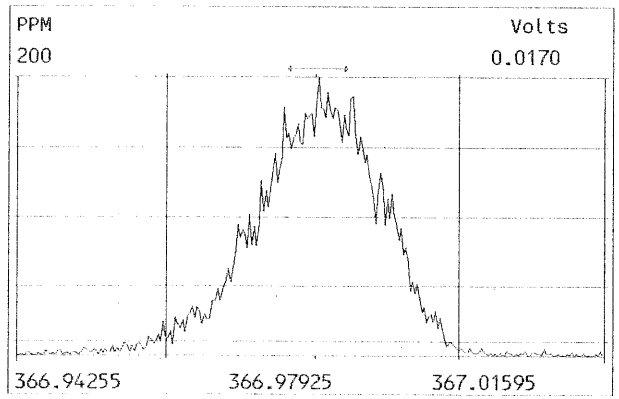


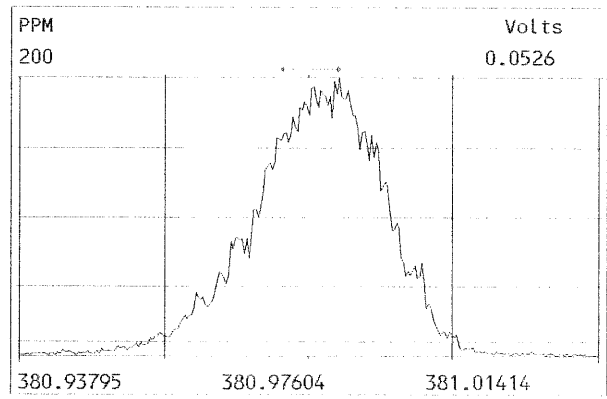




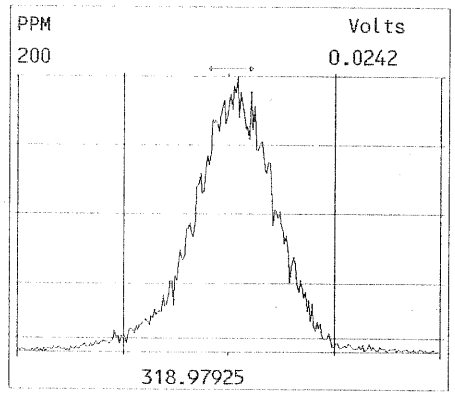


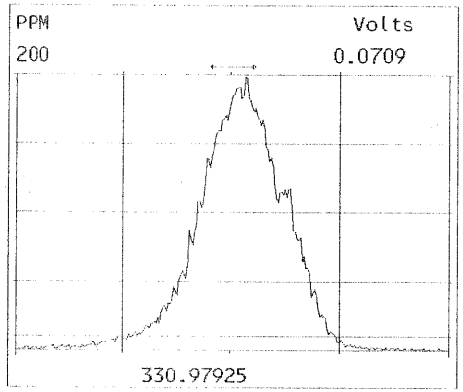


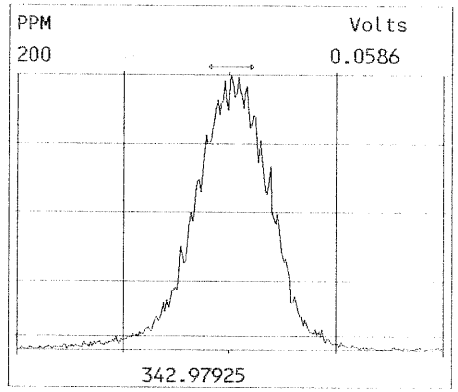


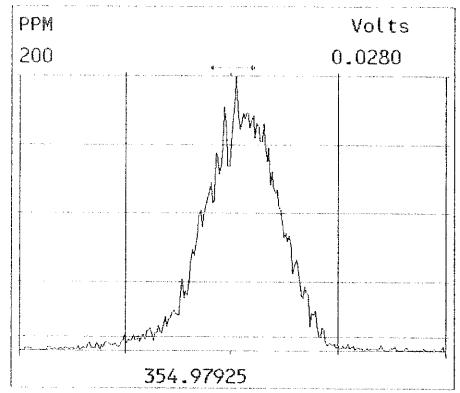


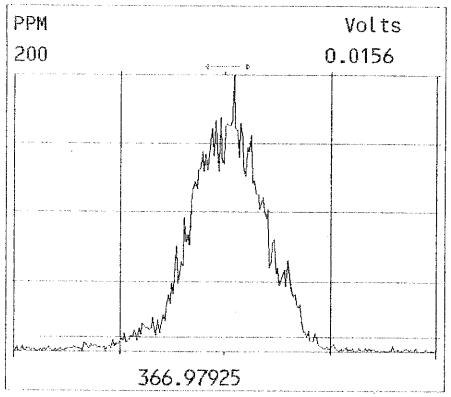
Peak Locate Examination: 2-DEC-2020:18:46 File:02DEC20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 98

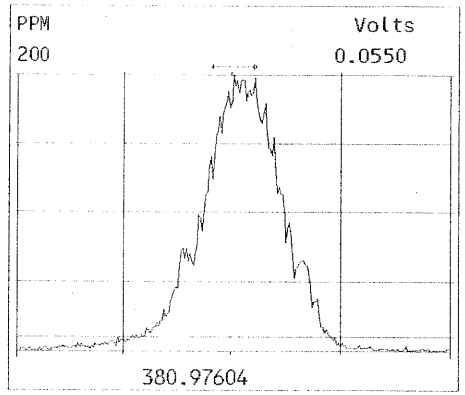


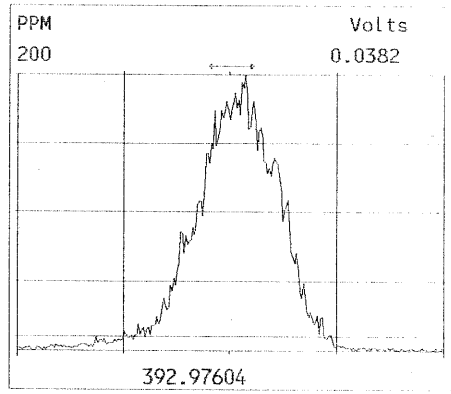


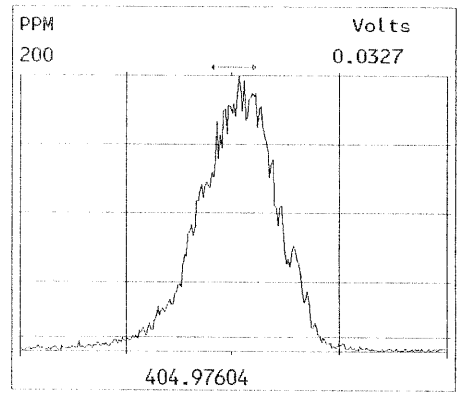


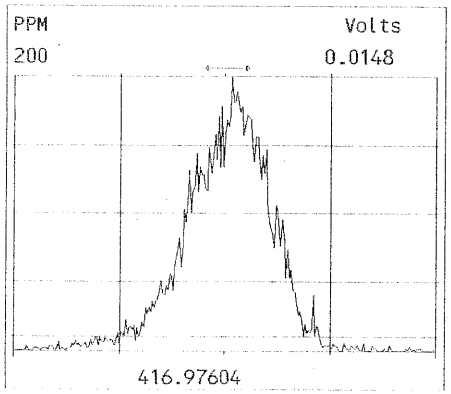


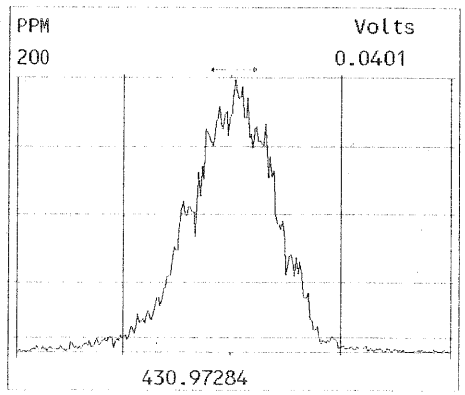


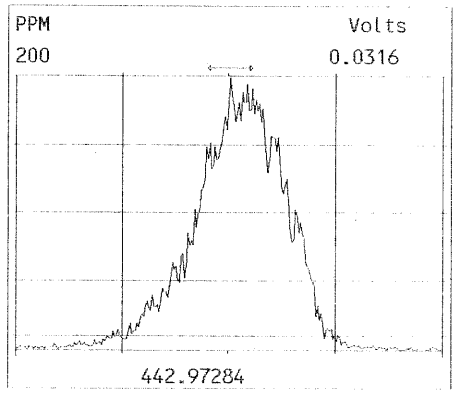






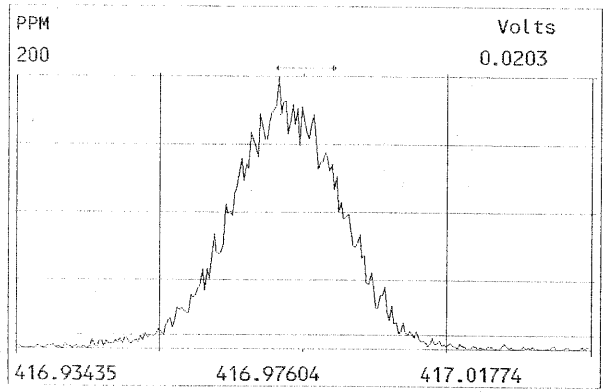


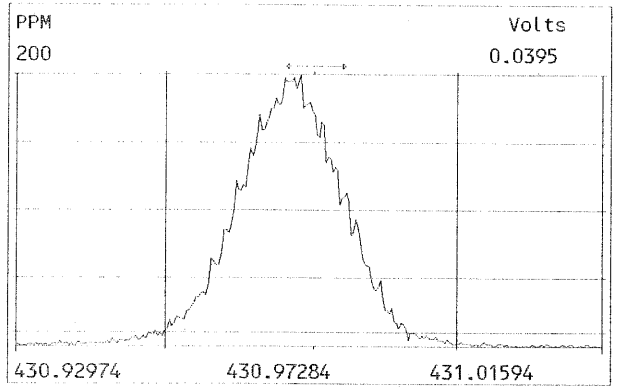


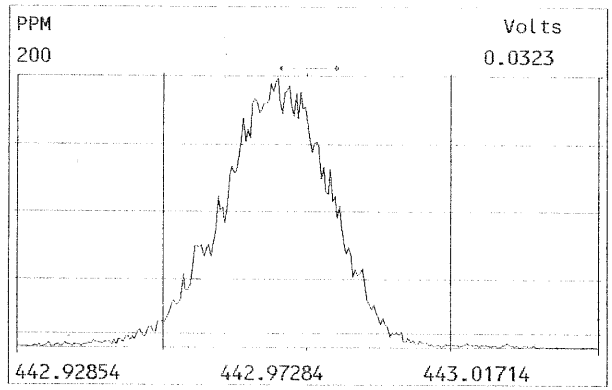


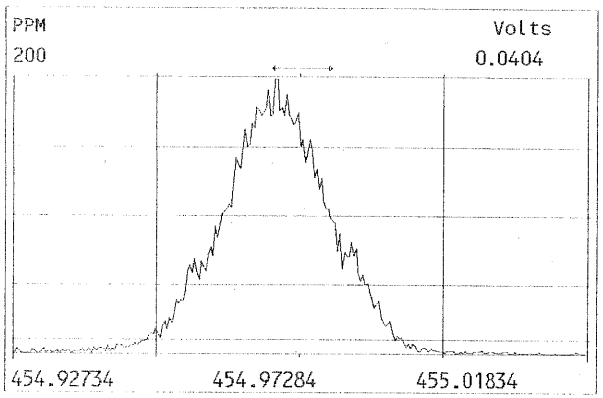
Peak Locate Examination: 2-DEC-2020:18:48 File:02DEC20Z_RES_CHECK

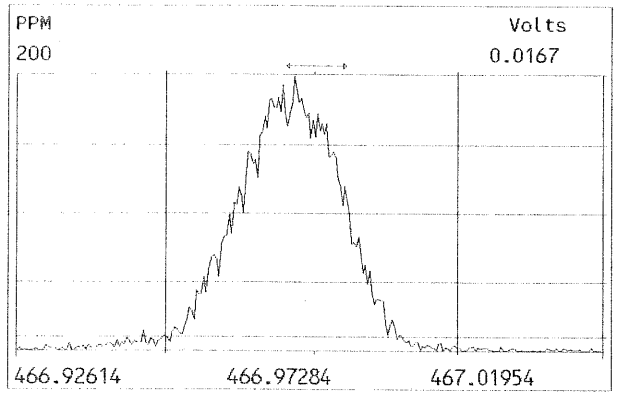
Experiment:1668PCB Function:6 Reference:PFK96

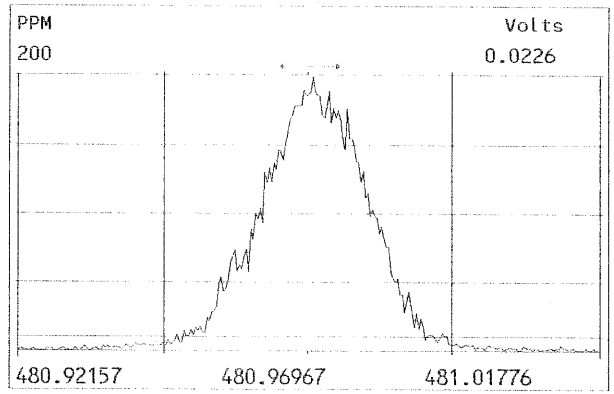


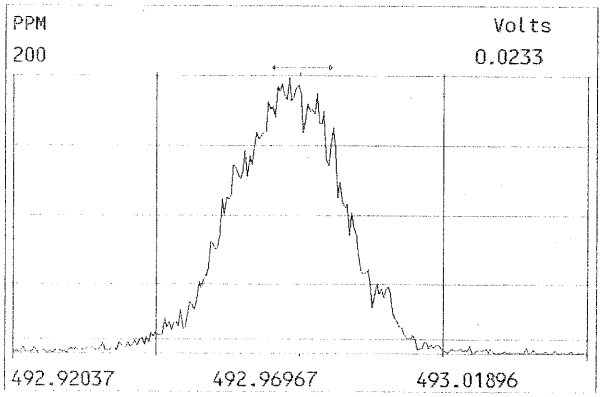


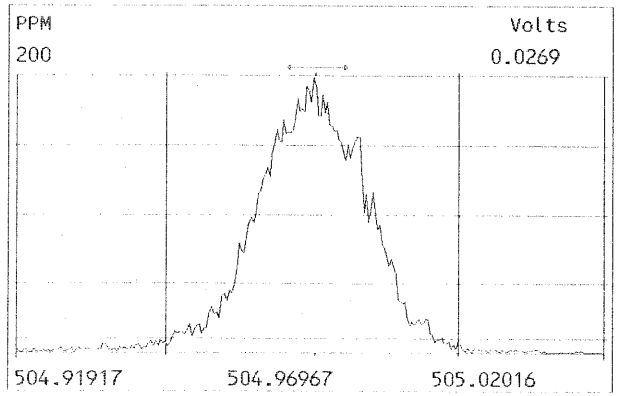


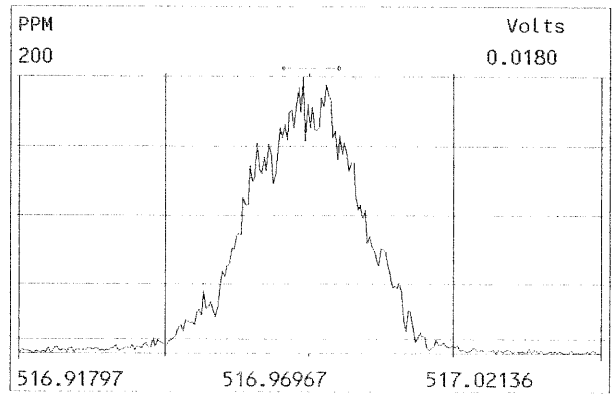












Cal: DAILY209FAL4-2-1-21

Run: 01FEB21Z Analyte: DAILY209FAL4-2-1-21 Results: 13559 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:01FEB21Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2397	-	1.24	
13C-PCB-1	0.8588	-	0.86	
PCB-2	1.2626	-	1.26	
PCB-3	1.2643	-	1.26	
13C-PCB-3	0.8430	-	0.84	
PCB-4	1.1561	-	1.16	
PCB-10	1.5690	-	1.57	
13C-PCB-4	0.6692	-	0.67	
PCB-9	1.5393	-	1.54	
PCB-7	1.5489	-	1.55	
PCB-6	1.5013	-	1.50	
PCB-8	1.5159	-	1.52	
PCB-5	1.5187	-	1.52	
PCB-14	1.4679	-	1.47	
PCB-11	1.4115	-	1.41	
PCB-13	1.4240	-	1.42	
PCB-12	1.4520	-	1.45	
PCB-15	1.2872	-	1.29	
13C-PCB-15	1.0095	-	1.01	
PCB-19	1.2536	-	1.25	
PCB-30	1.8392	-	1.84	
PCB-18	1.2606	-	1.26	
PCB-17	1.3971	-	1.40	
PCB-27	1.8043	-	1.80	
PCB-24	1.8374	-	1.84	
PCB-16	1.5501	-	1.55	
PCB-32	1.5708	-	1.57	
13C-PCB-19	0.4905	-	0.49	
13C-PCB-9	-	-	-	
PCB-34	1.2319	-	1.23	
PCB-23	1.5411	-	1.54	
PCB-29	1.3769	-	1.38	
PCB-26	1.3252	-	1.33	
PCB-25	1.2958	-	1.30	
PCB-31	1.3279	-	1.33	
PCB-28	1.6105	-	1.61	
PCB-20	1.3348	-	1.33	Co-elute PCB 21/33
PCB-21	1.3348	-	1.33	Co-elute PCB 20/33
PCB-33	1.3348	-	1.33	Co-elute PCB 20/21
PCB-22	1.4566	-	1.46	
PCB-36	1.3304	-	1.33	
PCB-39	1.3259	-	1.33	
PCB-38	1.4286	-	1.43	
PCB-35	1.2865	-	1.29	
PCB-37	1.3460	-	1.35	
13C-PCB-37	1.6229	-	1.62	

PCB-54	1.3182	-	1.32	
PCB-50	1.0217	-	1.02	
PCB-53	0.9871	-	0.99	
PCB-51	1.0190	-	1.02	
PCB-45	0.8626	-	0.86	
PCB-46	0.8255	-	0.83	
PCB-52	1.0755	-	1.08	Co-elute PCB 69
PCB-69	1.0755	-	1.08	Co-elute PCB 52
PCB-73	1.2245	-	1.22	
PCB-43	0.9055	-	0.91	Co-elute PCB 49
PCB-49	0.9055	-	0.91	Co-elute PCB 43
PCB-47	0.9215	-	0.92	
PCB-48	1.2046	-	1.20	Co-elute PCB 75
PCB-75	1.2046	-	1.20	Co-elute PCB 48
PCB-65	1.2274	-	1.23	
PCB-62	1.2166	-	1.22	
PCB-44	0.8023	-	0.80	
PCB-42	1.0631	-	1.06	Co-elute PCB 59
PCB-59	1.0631	-	1.06	Co-elute PCB 42
PCB-72	1.1988	-	1.20	Co-elute PCB 41/71/64
PCB-41	1.1988	-	1.20	Co-elute PCB 72/71/64
PCB-71	1.1988	-	1.20	Co-elute PCB 72/41/64
PCB-64	1.1988	-	1.20	Co-elute PCB 72/41/71
PCB-68	1.3558	-	1.36	
PCB-40	0.7663	-	0.77	
PCB-57	1.2505	-	1.25	
PCB-67	1.2888	-	1.29	
PCB-58	1.2553	-	1.26	
PCB-63	1.3061	-	1.31	
PCB-74	1.2878	-	1.29	
PCB-61	1.1723	-	1.17	Co-elute PCB 70
PCB-70	1.1723	-	1.17	Co-elute PCB 61
PCB-76	1.3604	-	1.36	Co-elute PCB 66
PCB-66	1.3604	-	1.36	Co-elute PCB 76
PCB-80	1.5284	-	1.53	
PCB-55	1.3693	-	1.37	
13C-PCB-54	1.2536	-	1.25	
PCB-104	1.1648	-	1.16	
PCB-96	1.1316	-	1.13	
PCB-103	0.9333	-	0.93	
PCB-100	0.9478	-	0.95	
PCB-94	0.7750	-	0.78	
PCB-98	0.8835	-	0.88	Co-elute PCB 102
PCB-102	0.8835	-	0.88	Co-elute PCB 98
PCB-95	0.8042	-	0.80	
PCB-93	0.7552	-	0.76	
PCB-88	0.8959	-	0.90	Co-elute PCB 91
PCB-91	0.8959	-	0.90	Co-elute PCB 88
PCB-121	1.0834	-	1.08	
13C-PCB-104	1.0784	-	1.08	
13C-PCB-28	1.9269	-	1.93	
13C-PCB-52	-	-	-	

PCB-56	1.2313	-	1.23	Co-elute PCB 60
PCB-60	1.2313	-	1.23	Co-elute PCB 56
PCB-79	1.2949	-	1.29	
PCB-78	1.2695	-	1.27	
PCB-81	1.3760	-	1.38	
13C-PCB-81	1.5995	-	1.60	
PCB-77	1.1789	-	1.18	
13C-PCB-77	1.6524	-	1.65	
PCB-155	1.0831	-	1.08	
PCB-150	1.0624	-	1.06	
PCB-152	1.0513	-	1.05	
PCB-145	1.0569	-	1.06	
PCB-136	1.0886	-	1.09	
PCB-148	0.7616	-	0.76	
PCB-154	0.9182	-	0.92	
13C-PCB-155	1.3028	-	1.30	
13C-PCB-111	1.2523	-	1.25	
13C-PCB-101	-	-	-	
PCB-84	0.7111	-	0.71	Co-elute PCB 92
PCB-92	0.7111	-	0.71	Co-elute PCB 84
PCB-89	0.7098	-	0.71	
PCB-90	0.8163	-	0.82	Co-elute PCB 101
PCB-101	0.8163	-	0.82	Co-elute PCB 90
PCB-113	0.9336	-	0.93	
PCB-99	0.8708	-	0.87	
PCB-119	1.0200	-	1.02	
PCB-83	0.8327	-	0.83	Co-elute PCB 112
PCB-112	0.8327	-	0.83	Co-elute PCB 83
PCB-109	1.0013	-	1.00	
PCB-97	0.6839	-	0.68	
PCB-86	0.7793	-	0.78	
PCB-125	0.9101	-	0.91	Co-elute PCB 87/117
PCB-87	0.9101	-	0.91	Co-elute PCB 125/117
PCB-117	0.9101	-	0.91	Co-elute PCB 125/87
PCB-111	1.0561	-	1.06	Co-elute PCB 115
PCB-115	1.0561	-	1.06	Co-elute PCB 111
PCB-85	0.8963	-	0.90	Co-elute PCB 116
PCB-116	0.8963	-	0.90	Co-elute PCB 85
PCB-120	1.0613	-	1.06	
PCB-110	1.0766	-	1.08	
PCB-82	0.6287	-	0.63	
PCB-124	1.2267	-	1.23	
PCB-108	1.2936	-	1.29	Co-elute PCB 107
PCB-107	1.2936	-	1.29	Co-elute PCB 108
PCB-123	1.1697	-	1.17	
13C-PCB-123	1.3527	-	1.35	
PCB-118	1.2233	-	1.22	Co-elute PCB 106
PCB-106	1.2233	-	1.22	Co-elute PCB 118
13C-PCB-118	1.4887	-	1.49	
PCB-114	1.2177	-	1.22	
13C-PCB-114	1.4275	-	1.43	
PCB-122	1.3276	-	1.33	
PCB-105	1.2885	-	1.29	
13C-PCB-105	1.4152	-	1.42	
PCB-127	1.1784	-	1.18	
PCB-126	1.2507	-	1.25	
13C-PCB-126	1.2940	-	1.29	

PCB-151	0.9953	-	1.00	
PCB-135	1.0500	-	1.05	
PCB-144	1.0221	-	1.02	
PCB-147	1.1037	-	1.10	
PCB-139	1.1012	-	1.10	Co-elute PCB 149
PCB-149	1.1012	-	1.10	Co-elute PCB 139
PCB-140	1.0816	-	1.08	
PCB-143	0.9039	-	0.90	Co-elute PCB 134
PCB-134	0.9039	-	0.90	Co-elute PCB 143
PCB-131	0.9024	-	0.90	Co-elute PCB 133
PCB-133	0.9024	-	0.90	Co-elute PCB 131
PCB-142	0.9166	-	0.92	
PCB-165	1.1962	-	1.20	Co-elute PCB 146
PCB-146	1.1962	-	1.20	Co-elute PCB 165
PCB-161	1.1358	-	1.14	Co-elute PCB 132
PCB-132	1.1358	-	1.14	Co-elute PCB 161
PCB-153	1.2062	-	1.21	
PCB-168	1.3271	-	1.33	
PCB-141	1.0123	-	1.01	
PCB-137	0.9602	-	0.96	
PCB-130	0.9456	-	0.95	
PCB-138	1.2070	-	1.21	Co-elute PCB 163/164
PCB-163	1.2070	-	1.21	Co-elute PCB 138/164
PCB-164	1.2070	-	1.21	Co-elute PCB 138/163
PCB-158	1.3422	-	1.34	Co-elute PCB 160
PCB-160	1.3422	-	1.34	Co-elute PCB 158
PCB-129	0.8874	-	0.89	
PCB-166	1.3121	-	1.31	
PCB-159	1.3783	-	1.38	
PCB-128	1.1313	-	1.13	Co-elute PCB 162
PCB-162	1.1313	-	1.13	Co-elute PCB 128
PCB-167	1.2382	-	1.24	
13C-PCB-167	1.1564	-	1.16	
PCB-156	1.2921	-	1.29	
13C-PCB-156	1.1165	-	1.12	
PCB-157	1.2418	-	1.24	
13C-PCB-157	1.1549	-	1.15	
PCB-169	1.1661	-	1.17	
13C-PCB-169	1.0836	-	1.08	
PCB-188	1.1220	-	1.12	
13C-PCB-188	1.1674	-	1.17	

PCB-184	1.2521	-	1.25	
PCB-179	1.1847	-	1.18	
PCB-176	1.1551	-	1.16	
PCB-186	1.1744	-	1.17	
PCB-178	0.8398	-	0.84	
PCB-175	0.8610	-	0.86	
PCB-187	0.9524	-	0.95	Co-elute PCB 182
PCB-182	0.9524	-	0.95	Co-elute PCB 187
PCB-183	0.9371	-	0.94	
PCB-185	0.8587	-	0.86	
PCB-174	0.8641	-	0.86	
PCB-181	0.8664	-	0.87	
PCB-177	0.7997	-	0.80	
PCB-171	0.8446	-	0.84	
PCB-173	0.7682	-	0.77	
PCB-172	0.7989	-	0.80	
PCB-192	1.0565	-	1.06	
PCB-180	0.8246	-	0.82	
PCB-193	1.1323	-	1.13	
PCB-191	1.0942	-	1.09	
PCB-170	0.7814	-	0.78	
PCB-190	1.0538	-	1.05	
PCB-189	1.0849	-	1.08	
13C-PCB-189	1.0002	-	1.00	
PCB-202	1.0897	-	1.09	
PCB-201	1.1498	-	1.15	
PCB-204	1.1566	-	1.16	
PCB-197	1.1849	-	1.18	
PCB-200	1.1764	-	1.18	
PCB-198	0.8414	-	0.84	
PCB-199	0.8201	-	0.82	
PCB-203	0.9003	-	0.90	Co-elute PCB 196
PCB-196	0.9003	-	0.90	Co-elute PCB 203
13C-PCB-202	0.9769	-	0.98	
13C-PCB-178	0.8296	-	0.83	
13C-PCB-138	-	-	-	
PCB-195	0.9746	-	0.97	
PCB-194	1.0036	-	1.00	
PCB-205	1.2197	-	1.22	
13C-PCB-205	1.2843	-	1.28	
PCB-208	1.1304	-	1.13	
13C-PCB-208	1.2309	-	1.23	
PCB-207	1.3167	-	1.32	
PCB-206	1.1465	-	1.15	
13C-PCB-206	0.8851	-	0.89	
PCB-209	1.1961	-	1.20	
13C-PCB-209	1.0261	-	1.03	
13C-PCB-194	-	-	-	

Analyst: [signature] Date: 2/1/26

Run #1 Filename 01FEB21Z S: 1 Acquired: 1-FEB-21 07:35:03 Cal: DAILY209FAL4-2-1-21
Client ID: ST020121Z1 Analyte: DAILY209FAL4-2-1-21 FAL ID: CS209

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	1.09e+08	3.19 y	14:31	-	1.24	
2	IS/RT	13C-PCB-1	100.00	1.76e+08	3.20 y	14:30	-	0.859	
3	Unk	PCB-2	50.00	1.10e+08	3.17 y	16:44	-	1.26	
4	Unk	PCB-3	50.00	1.09e+08	3.09 y	16:57	-	1.26	
5	IS/RT	13C-PCB-3	100.00	1.72e+08	3.21 y	16:56	-	0.843	
6	Unk	PCB-4	50.00	7.91e+07	1.54 y	18:12	-	1.16	
7	Unk	PCB-10	50.00	1.35e+08	1.59 y	18:15	-	1.57	
8	IS/RT	13C-PCB-4	100.00	1.37e+08	1.59 y	18:10	-	0.669	
9	Unk	PCB-9	50.00	1.32e+08	1.56 y	19:53	-	1.54	
10	Unk	PCB-7	50.00	1.33e+08	1.55 y	19:55	-	1.55	
11	Unk	PCB-6	50.00	1.29e+08	1.53 y	20:30	-	1.50	
12	Unk	PCB-8	50.00	1.30e+08	1.55 y	20:54	-	1.52	
13	Unk	PCB-5	50.00	1.30e+08	1.55 y	20:55	-	1.52	
14	Unk	PCB-14	50.00	1.26e+08	1.56 y	21:56	-	1.47	
15	Unk	PCB-11	50.00	1.21e+08	1.59 y	23:04	-	1.41	
16	Unk	PCB-13	50.00	1.22e+08	1.58 y	23:25	-	1.42	
17	Unk	PCB-12	50.00	1.25e+08	1.56 y	23:28	-	1.45	
18	Unk	PCB-15	50.00	1.33e+08	1.57 y	23:44	-	1.29	
19	IS/RT	13C-PCB-15	100.00	2.07e+08	1.59 y	23:43	-	1.01	
20	Unk	PCB-19	50.00	6.29e+07	1.06 y	22:05	-	1.25	
21	Unk	PCB-30	50.00	9.23e+07	1.06 y	22:56	-	1.84	
22	Unk	PCB-18	50.00	6.33e+07	1.05 y	23:38	-	1.26	
23	Unk	PCB-17	50.00	7.01e+07	1.05 y	23:48	-	1.40	
24	Unk	PCB-27	50.00	9.05e+07	1.04 y	24:20	-	1.80	
25	Unk	PCB-24	50.00	9.22e+07	1.07 y	24:21	-	1.84	
26	Unk	PCB-16	50.00	7.78e+07	1.01 y	24:50	-	1.55	
27	Unk	PCB-32	50.00	7.88e+07	1.04 y	24:51	-	1.57	
28	IS/RT	13C-PCB-19	100.00	1.00e+08	1.07 y	22:04	-	0.491	
29	RS	13C-PCB-9	100.00	2.05e+08	1.61 y	19:51	2.05e+06	-	
30	Unk	PCB-34	50.00	1.06e+08	1.02 y	25:35	-	1.23	
31	Unk	PCB-23	50.00	1.32e+08	1.08 y	25:42	-	1.54	
32	Unk	PCB-29	50.00	1.18e+08	1.05 y	25:55	-	1.38	
33	Unk	PCB-26	50.00	1.14e+08	1.06 y	26:07	-	1.33	
34	Unk	PCB-25	50.00	1.11e+08	1.06 y	26:17	-	1.30	
35	Unk	PCB-31	50.00	1.14e+08	1.05 y	26:37	-	1.33	
36	Unk	PCB-28	50.00	1.38e+08	1.06 y	26:42	-	1.61	
37	Unk	PCB-20	150.00	3.43e+08	1.06 y	27:18	-	1.33	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	3.43e+08	1.06 y	27:18	-	1.33	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	3.43e+08	1.06 y	27:18	-	1.33	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	1.25e+08	1.06 y	27:43	-	1.46	
41	Unk	PCB-36	50.00	1.14e+08	1.07 y	28:18	-	1.33	
42	Unk	PCB-39	50.00	1.14e+08	1.08 y	28:45	-	1.33	
43	Unk	PCB-38	50.00	1.22e+08	1.07 y	29:29	-	1.43	
44	Unk	PCB-35	50.00	1.10e+08	1.08 y	29:59	-	1.29	
45	Unk	PCB-37	50.00	1.15e+08	1.07 y	30:25	-	1.35	
46	IS	13C-PCB-37	100.00	1.71e+08	1.11 y	30:23	-	1.62	

47	Unk	PCB-54	100.00	1.75e+08	0.79 y	25:38	-	1.32	
48	Unk	PCB-50	100.00	1.35e+08	0.79 y	26:45	-	1.02	
49	Unk	PCB-53	100.00	1.31e+08	0.79 y	27:21	-	0.987	
50	Unk	PCB-51	100.00	1.35e+08	0.79 y	27:40	-	1.02	
51	Unk	PCB-45	100.00	1.14e+08	0.79 y	28:06	-	0.863	
52	Unk	PCB-46	100.00	1.09e+08	0.78 y	28:33	-	0.825	
53	Unk	PCB-52	200.00	2.85e+08	0.78 y	29:00	-	1.08	Co-elute PCB 69
54	Unk	PCB-69	200.00	2.85e+08	0.78 y	29:00	-	1.08	Co-elute PCB 52
55	Unk	PCB-73	100.00	1.62e+08	0.79 y	29:06	-	1.22	
56	Unk	PCB-43	200.00	2.40e+08	0.78 y	29:16	-	0.905	Co-elute PCB 49
57	Unk	PCB-49	200.00	2.40e+08	0.78 y	29:16	-	0.905	Co-elute PCB 43
58	Unk	PCB-47	100.00	1.22e+08	0.77 y	29:28	-	0.921	
59	Unk	PCB-48	200.00	3.19e+08	0.80 y	29:34	-	1.20	Co-elute PCB 75
60	Unk	PCB-75	200.00	3.19e+08	0.80 y	29:34	-	1.20	Co-elute PCB 48
61	Unk	PCB-65	100.00	1.63e+08	0.78 y	29:51	-	1.23	
62	Unk	PCB-62	100.00	1.61e+08	0.80 y	29:56	-	1.22	
63	Unk	PCB-44	100.00	1.06e+08	0.79 y	30:13	-	0.802	
64	Unk	PCB-42	200.00	2.82e+08	0.78 y	30:26	-	1.06	Co-elute PCB 59
65	Unk	PCB-59	200.00	2.82e+08	0.78 y	30:26	-	1.06	Co-elute PCB 42
66	Unk	PCB-72	400.00	6.35e+08	0.78 y	30:59	-	1.20	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	6.35e+08	0.78 y	30:59	-	1.20	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	6.35e+08	0.78 y	30:59	-	1.20	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	6.35e+08	0.78 y	30:59	-	1.20	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	1.80e+08	0.79 y	31:14	-	1.36	
71	Unk	PCB-40	100.00	1.01e+08	0.78 y	31:27	-	0.766	
72	Unk	PCB-57	100.00	1.66e+08	0.79 y	31:47	-	1.25	
73	Unk	PCB-67	100.00	1.71e+08	0.77 y	32:05	-	1.29	
74	Unk	PCB-58	100.00	1.66e+08	0.79 y	32:11	-	1.26	
75	Unk	PCB-63	100.00	1.73e+08	0.79 y	32:21	-	1.31	
76	Unk	PCB-74	100.00	1.71e+08	0.78 y	32:37	-	1.29	
77	Unk	PCB-61	200.00	3.11e+08	0.78 y	32:45	-	1.17	Co-elute PCB 70
78	Unk	PCB-70	200.00	3.11e+08	0.78 y	32:45	-	1.17	Co-elute PCB 61
79	Unk	PCB-76	200.00	3.60e+08	0.78 y	33:00	-	1.36	Co-elute PCB 66
80	Unk	PCB-66	200.00	3.60e+08	0.78 y	33:00	-	1.36	Co-elute PCB 76
81	Unk	PCB-80	100.00	2.02e+08	0.79 y	33:13	-	1.53	
82	Unk	PCB-55	100.00	1.81e+08	0.79 y	33:32	-	1.37	
83	IS/RT	13C-PCB-54	100.00	1.32e+08	0.81 y	25:36	-	1.25	
84	Unk	PCB-104	100.00	1.33e+08	1.56 y	30:04	-	1.16	
85	Unk	PCB-96	100.00	1.29e+08	1.55 y	31:17	-	1.13	
86	Unk	PCB-103	100.00	1.06e+08	1.53 y	31:47	-	0.933	
87	Unk	PCB-100	100.00	1.08e+08	1.53 y	32:07	-	0.948	
88	Unk	PCB-94	100.00	8.83e+07	1.55 y	32:34	-	0.775	
89	Unk	PCB-98	200.00	2.01e+08	1.53 y	33:00	-	0.884	Co-elute PCB 102
90	Unk	PCB-102	200.00	2.01e+08	1.53 y	33:00	-	0.884	Co-elute PCB 98
91	Unk	PCB-95	100.00	9.16e+07	1.55 y	33:04	-	0.804	
92	Unk	PCB-93	100.00	8.60e+07	1.59 y	33:09	-	0.755	
93	Unk	PCB-88	200.00	2.04e+08	1.53 y	33:28	-	0.896	Co-elute PCB 91
94	Unk	PCB-91	200.00	2.04e+08	1.53 y	33:28	-	0.896	Co-elute PCB 88
95	Unk	PCB-121	100.00	1.23e+08	1.58 y	33:32	-	1.08	
96	IS	13C-PCB-104	100.00	1.14e+08	1.60 y	30:03	-	1.08	
97	C/Up	13C-PCB-28	100.00	2.04e+08	1.06 y	26:41	-	1.93	
98	RS	13C-PCB-52	100.00	1.06e+08	0.79 y	28:57	1.06e+06	-	
99	Unk	PCB-56	200.00	3.95e+08	0.78 y	33:59	-	1.23	Co-elute PCB 60
100	Unk	PCB-60	200.00	3.95e+08	0.78 y	33:59	-	1.23	Co-elute PCB 56

101	Unk	PCB-79	100.00	2.08e+08	0.80 y	35:01	-	1.29	
102	Unk	PCB-78	100.00	2.04e+08	0.79 y	35:41	-	1.27	
103	Unk	PCB-81	100.00	2.17e+08	0.79 y	36:11	-	1.38	
104	IS	13C-PCB-81	100.00	1.58e+08	0.82 y	36:10	-	1.60	
105	Unk	PCB-77	100.00	1.92e+08	0.81 y	36:45	-	1.18	
106	IS/RT	13C-PCB-77	100.00	1.63e+08	0.82 y	36:44	-	1.65	
107	Unk	PCB-155	100.00	1.39e+08	1.27 y	34:15	-	1.08	
108	Unk	PCB-150	100.00	1.37e+08	1.24 y	35:27	-	1.06	
109	Unk	PCB-152	100.00	1.35e+08	1.24 y	35:54	-	1.05	
110	Unk	PCB-145	100.00	1.36e+08	1.24 y	36:20	-	1.06	
111	Unk	PCB-136	100.00	1.40e+08	1.25 y	36:37	-	1.09	
112	Unk	PCB-148	100.00	9.79e+07	1.27 y	36:44	-	0.762	
113	Unk	PCB-154	100.00	1.18e+08	1.26 y	37:12	-	0.918	
114	IS	13C-PCB-155	100.00	1.29e+08	1.29 y	34:13	-	1.30	
115	C/Up	13C-PCB-111	100.00	1.24e+08	1.60 y	36:18	-	1.25	
116	RS	13C-PCB-101	100.00	9.87e+07	1.59 y	34:40	9.87e+05	-	
117	Unk	PCB-84	200.00	2.08e+08	1.60 y	34:20	-	0.711	Co-elute PCB 92
118	Unk	PCB-92	200.00	2.08e+08	1.60 y	34:20	-	0.711	Co-elute PCB 84
119	Unk	PCB-89	100.00	1.04e+08	1.61 y	34:31	-	0.710	
120	Unk	PCB-90	200.00	2.39e+08	1.58 y	34:41	-	0.816	Co-elute PCB 101
121	Unk	PCB-101	200.00	2.39e+08	1.58 y	34:41	-	0.816	Co-elute PCB 90
122	Unk	PCB-113	100.00	1.37e+08	1.57 y	34:55	-	0.934	
123	Unk	PCB-99	100.00	1.28e+08	1.59 y	35:00	-	0.871	
124	Unk	PCB-119	100.00	1.49e+08	1.56 y	35:27	-	1.02	
125	Unk	PCB-83	200.00	2.44e+08	1.58 y	35:35	-	0.833	Co-elute PCB 112
126	Unk	PCB-112	200.00	2.44e+08	1.58 y	35:35	-	0.833	Co-elute PCB 83
127	Unk	PCB-109	100.00	1.47e+08	1.61 y	35:44	-	1.00	
128	Unk	PCB-97	100.00	1.00e+08	1.57 y	35:56	-	0.684	
129	Unk	PCB-86	100.00	1.14e+08	1.57 y	36:05	-	0.779	
130	Unk	PCB-125	300.00	4.00e+08	1.57 y	36:12	-	0.910	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	4.00e+08	1.57 y	36:12	-	0.910	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	4.00e+08	1.57 y	36:12	-	0.910	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	3.10e+08	1.70 y	36:21	-	1.06	Co-elute PCB 115
134	Unk	PCB-115	200.00	3.10e+08	1.70 y	36:21	-	1.06	Co-elute PCB 111
135	Unk	PCB-85	200.00	2.63e+08	1.45 y	36:27	-	0.896	Co-elute PCB 116
136	Unk	PCB-116	200.00	2.63e+08	1.45 y	36:27	-	0.896	Co-elute PCB 85
137	Unk	PCB-120	100.00	1.56e+08	1.57 y	36:41	-	1.06	
138	Unk	PCB-110	100.00	1.58e+08	1.59 y	36:49	-	1.08	
139	Unk	PCB-82	100.00	9.21e+07	1.57 y	37:25	-	0.629	
140	Unk	PCB-124	100.00	1.80e+08	1.54 y	38:05	-	1.23	
141	Unk	PCB-108	200.00	3.79e+08	1.64 y	38:13	-	1.29	Co-elute PCB 107
142	Unk	PCB-107	200.00	3.79e+08	1.64 y	38:13	-	1.29	Co-elute PCB 108
143	Unk	PCB-123	100.00	1.63e+08	1.47 y	38:23	-	1.17	
144	IS	13C-PCB-123	100.00	1.39e+08	1.58 y	38:21	-	1.35	
145	Unk	PCB-118	200.00	3.76e+08	1.55 y	38:34	-	1.22	Co-elute PCB 106
146	Unk	PCB-106	200.00	3.76e+08	1.55 y	38:34	-	1.22	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	1.54e+08	1.61 y	38:33	-	1.49	
148	Unk	PCB-114	100.00	1.79e+08	1.54 y	39:11	-	1.22	
149	IS	13C-PCB-114	100.00	1.47e+08	1.59 y	39:09	-	1.43	
150	Unk	PCB-122	100.00	1.95e+08	1.58 y	39:17	-	1.33	
151	Unk	PCB-105	100.00	1.88e+08	1.55 y	40:00	-	1.29	
152	IS	13C-PCB-105	100.00	1.46e+08	1.57 y	39:58	-	1.42	
153	Unk	PCB-127	100.00	1.73e+08	1.53 y	40:20	-	1.18	
154	Unk	PCB-126	100.00	1.67e+08	1.55 y	42:08	-	1.25	
155	IS	13C-PCB-126	100.00	1.33e+08	1.58 y	42:07	-	1.29	

156	Unk	PCB-151	100.00	1.16e+08	1.26 y	37:48	-	0.995	
157	Unk	PCB-135	100.00	1.22e+08	1.26 y	38:01	-	1.05	
158	Unk	PCB-144	100.00	1.19e+08	1.26 y	38:08	-	1.02	
159	Unk	PCB-147	100.00	1.28e+08	1.27 y	38:15	-	1.10	
160	Unk	PCB-139	200.00	2.56e+08	1.25 y	38:29	-	1.10	Co-elute PCB 149
161	Unk	PCB-149	200.00	2.56e+08	1.25 y	38:29	-	1.10	Co-elute PCB 139
162	Unk	PCB-140	100.00	1.26e+08	1.27 y	38:41	-	1.08	
163	Unk	PCB-143	200.00	2.10e+08	1.26 y	39:06	-	0.904	Co-elute PCB 134
164	Unk	PCB-134	200.00	2.10e+08	1.26 y	39:06	-	0.904	Co-elute PCB 143
165	Unk	PCB-131	200.00	2.10e+08	1.26 y	39:22	-	0.902	Co-elute PCB 133
166	Unk	PCB-133	200.00	2.10e+08	1.26 y	39:22	-	0.902	Co-elute PCB 131
167	Unk	PCB-142	100.00	1.07e+08	1.26 y	39:32	-	0.917	
168	Unk	PCB-165	200.00	2.78e+08	1.25 y	39:43	-	1.20	Co-elute PCB 146
169	Unk	PCB-146	200.00	2.78e+08	1.25 y	39:43	-	1.20	Co-elute PCB 165
170	Unk	PCB-161	200.00	2.64e+08	1.25 y	39:57	-	1.14	Co-elute PCB 132
171	Unk	PCB-132	200.00	2.64e+08	1.25 y	39:57	-	1.14	Co-elute PCB 161
172	Unk	PCB-153	100.00	1.40e+08	1.27 y	40:06	-	1.21	
173	Unk	PCB-168	100.00	1.54e+08	1.26 y	40:20	-	1.33	
174	Unk	PCB-141	100.00	1.18e+08	1.26 y	40:49	-	1.01	
175	Unk	PCB-137	100.00	1.12e+08	1.24 y	41:11	-	0.960	
176	Unk	PCB-130	100.00	1.10e+08	1.27 y	41:17	-	0.946	
177	Unk	PCB-138	300.00	4.21e+08	1.27 y	41:39	-	1.21	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	4.21e+08	1.27 y	41:39	-	1.21	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	4.21e+08	1.27 y	41:39	-	1.21	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	3.12e+08	1.26 y	41:53	-	1.34	Co-elute PCB 160
181	Unk	PCB-160	200.00	3.12e+08	1.26 y	41:53	-	1.34	Co-elute PCB 158
182	Unk	PCB-129	100.00	1.03e+08	1.26 y	42:07	-	0.887	
183	Unk	PCB-166	100.00	1.53e+08	1.27 y	42:33	-	1.31	
184	Unk	PCB-159	100.00	1.60e+08	1.26 y	42:51	-	1.38	
185	Unk	PCB-128	200.00	2.63e+08	1.26 y	43:08	-	1.13	Co-elute PCB 162
186	Unk	PCB-162	200.00	2.63e+08	1.26 y	43:08	-	1.13	Co-elute PCB 128
187	Unk	PCB-167	100.00	1.48e+08	1.26 y	43:29	-	1.24	
188	IS	13C-PCB-167	100.00	1.19e+08	1.27 y	43:27	-	1.16	
189	Unk	PCB-156	100.00	1.49e+08	1.25 y	44:43	-	1.29	
190	IS	13C-PCB-156	100.00	1.15e+08	1.28 y	44:41	-	1.12	
191	Unk	PCB-157	100.00	1.48e+08	1.27 y	44:58	-	1.24	
192	IS	13C-PCB-157	100.00	1.19e+08	1.33 y	44:58	-	1.15	
193	Unk	PCB-169	100.00	1.30e+08	1.27 y	46:50	-	1.17	
194	IS	13C-PCB-169	100.00	1.12e+08	1.27 y	46:48	-	1.08	
195	Unk	PCB-188	100.00	1.35e+08	1.04 y	39:45	-	1.12	
196	IS	13C-PCB-188	100.00	1.20e+08	1.05 y	39:43	-	1.17	

197	Unk	PCB-184	100.00	1.40e+08	1.06 y	40:11	-	1.25		
198	Unk	PCB-179	100.00	1.32e+08	1.06 y	40:56	-	1.18		
199	Unk	PCB-176	100.00	1.29e+08	1.06 y	41:22	-	1.16		
200	Unk	PCB-186	100.00	1.31e+08	1.05 y	41:57	-	1.17		
201	Unk	PCB-178	100.00	9.39e+07	1.04 y	42:25	-	0.840		
202	Unk	PCB-175	100.00	9.62e+07	1.06 y	42:44	-	0.861		
203	Unk	PCB-187	200.00	2.13e+08	1.06 y	42:54	-	0.952	Co-elute PCB 182	
204	Unk	PCB-182	200.00	2.13e+08	1.06 y	42:54	-	0.952	Co-elute PCB 187	
205	Unk	PCB-183	100.00	1.05e+08	1.04 y	43:12	-	0.937		
206	Unk	PCB-185	100.00	9.60e+07	1.06 y	43:50	-	0.859		
207	Unk	PCB-174	100.00	9.66e+07	1.04 y	44:10	-	0.864		
208	Unk	PCB-181	100.00	9.68e+07	1.06 y	44:17	-	0.866		
209	Unk	PCB-177	100.00	8.94e+07	1.05 y	44:27	-	0.800		
210	Unk	PCB-171	100.00	9.44e+07	1.05 y	44:43	-	0.845		
211	Unk	PCB-173	100.00	8.59e+07	1.05 y	45:08	-	0.768		
212	Unk	PCB-172	100.00	8.93e+07	1.04 y	45:31	-	0.799		
213	Unk	PCB-192	100.00	1.18e+08	1.05 y	45:41	-	1.06		
214	Unk	PCB-180	100.00	9.22e+07	1.06 y	45:51	-	0.825		
215	Unk	PCB-193	100.00	1.27e+08	1.05 y	46:00	-	1.13		
216	Unk	PCB-191	100.00	1.22e+08	1.05 y	46:14	-	1.09		
217	Unk	PCB-170	100.00	8.73e+07	1.05 y	47:08	-	0.781		
218	Unk	PCB-190	100.00	1.18e+08	1.03 y	47:18	-	1.05		
219	Unk	PCB-189	100.00	1.12e+08	1.04 y	48:29	-	1.08		
220	IS	13C-PCB-189	100.00	1.03e+08	1.05 y	48:29	-	1.00		
221	Unk	PCB-202	150.00	1.65e+08	0.90 y	44:53	-	1.09		
222	Unk	PCB-201	150.00	1.74e+08	0.91 y	45:19	-	1.15		
223	Unk	PCB-204	150.00	1.75e+08	0.91 y	45:27	-	1.16		
224	Unk	PCB-197	150.00	1.79e+08	0.93 y	45:44	-	1.18		
225	Unk	PCB-200	150.00	1.78e+08	0.90 y	46:28	-	1.18		
226	Unk	PCB-198	150.00	1.27e+08	0.90 y	47:39	-	0.841		
227	Unk	PCB-199	150.00	1.24e+08	0.92 y	47:44	-	0.820		
228	Unk	PCB-203	300.00	2.72e+08	0.91 y	47:59	-	0.900	Co-elute PCB 196	
229	Unk	PCB-196	300.00	2.72e+08	0.91 y	47:59	-	0.900	Co-elute PCB 203	
230	IS	13C-PCB-202	100.00	1.01e+08	0.91 y	44:51	-	0.977		
231	C/Up	13C-PCB-178	100.00	8.55e+07	1.06 y	42:23	-	0.830		
232	RS	13C-PCB-138	100.00	1.03e+08	1.28 y	41:35	1.03e+06	-		
233	Unk	PCB-195	150.00	1.67e+08	0.90 y	49:06	-	0.975		
234	Unk	PCB-194	150.00	1.72e+08	0.92 y	49:53	-	1.00		
235	Unk	PCB-205	150.00	2.09e+08	0.91 y	50:09	-	1.22		
236	IS	13C-PCB-205	100.00	1.14e+08	0.90 y	50:07	-	1.28		
237	Unk	PCB-208	150.00	1.86e+08	1.37 y	49:12	-	1.13		
238	IS	13C-PCB-208	100.00	1.10e+08	0.81 y	49:11	-	1.23		
239	Unk	PCB-207	150.00	1.86e+08	1.35 y	49:30	-	1.32		
240	Unk	PCB-206	150.00	1.36e+08	1.33 y	51:20	-	1.15		
241	IS	13C-PCB-206	100.00	7.88e+07	0.80 y	51:19	-	0.885		
242	Unk	PCB-209	150.00	1.64e+08	1.19 y	52:31	-	1.20		
243	IS	13C-PCB-209	100.00	9.14e+07	1.20 y	52:30	-	1.03		
244	RS	13C-PCB-194	100.00	8.90e+07	0.91 y	49:52	8.90e+05	-		

Analyst: _____ Date: 2/1/21

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:1 Analysis Date: 1-FEB-21 07:35:03

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.19	2.66-3.60	y	52.0	37.5 - 62.5
PCB-3	M/M+2	3.09	2.66-3.60	y	51.7	37.5 - 62.5
PCB-4	M/M+2	1.54	1.33-1.79	y	48.0	37.5 - 62.5
PCB-15	M/M+2	1.57	1.33-1.79	y	55.0	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	51.2	37.5 - 62.5
PCB-37	M/M+2	1.07	0.88-1.20	y	57.3	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	107	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	115	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	104	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	115	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	108	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	213	150 - 250
PCB-123	M+2/M+4	1.47	1.32-1.78	y	103	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	112	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	108	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	109	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	103	75.0 - 125
PCB-188	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	98.4	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	0.91	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	163	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	164	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	156	112.5 - 187.5

Analyst: [illegible] Date: 2/1/21

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:1 Analysis Date: 1-FEB-21 07:35:03

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	84.9	50.0 - 145
13C-PCB-3	M/M+2	3.21	2.66-3.60	y	82.5	50.0 - 145
13C-PCB-4	M/M+2	1.59	1.33-1.79	y	93.4	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	97.1	50.0 - 145
13C-PCB-19	M/M+2	1.07	0.88-1.20	y	88.9	50.0 - 145
13C-PCB-37	M/M+2	1.11	0.88-1.20	y	99.2	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	93.9	50.0 - 145
13C-PCB-77	M/M+2	0.82	0.65-0.89	y	107	50.0 - 145
13C-PCB-81	M/M+2	0.82	0.65-0.89	y	107	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	99.3	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	103	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	103	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	103	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	101	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	97.4	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	96.2	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	91.5	50.0 - 145
13C-PCB-157	M+2/M+4	1.33	1.05-1.43	y	91.6	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	93.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	89.1	50.0 - 145
13C-PCB-188	M+2/M+4	1.05	0.89-1.21	y	96.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.05	0.89-1.21	y	92.5	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	88.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	98.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	85.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	86.9	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	83.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	111	65.0 - 135
13C-PCB-111	M+2/M+4	1.60	1.32-1.78	y	98.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	97.0	75.0 - 125

Analyst: [illegible] Date: 2/1/21

FAL ID: ST020121Z1 Filename: 01FEB21Z Sam:1 Acquired: 1-FEB-21 07:35:03 ICal: 1668PCBFAL4-12-2-20
Client ID: CS209 210115A ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.09e+08	3.19 y	14:31	1.19	52.0		2.50	-	-	*	-
13C-PCB-1	1.76e+08	3.20 y	14:30	1.01	84.9		2.50				84.9
PCB-3	1.09e+08	3.09 y	16:57	1.22	51.7		2.50	-	-	*	-
13C-PCB-3	1.72e+08	3.21 y	16:56	1.02	82.5		2.50				82.5
PCB-4	7.91e+07	1.54 y	18:12	1.20	48.0		2.50	-	-	*	-
13C-PCB-4	1.37e+08	1.59 y	18:10	0.72	93.4		2.50				93.4
PCB-15	1.33e+08	1.57 y	23:44	1.17	55.0		2.50	-	-	*	-
13C-PCB-15	2.07e+08	1.59 y	23:43	1.04	97.1		2.50				97.1
PCB-19	6.29e+07	1.06 y	22:05	1.23	51.2		2.50	-	-	*	-
13C-PCB-19	1.00e+08	1.07 y	22:04	0.55	88.9		2.50				88.9
13C-PCB-9	2.05e+08	1.61 y	19:51	-	190		2.50				
PCB-37	1.15e+08	1.07 y	30:25	1.17	57.3		2.50	-	-	*	-
13C-PCB-37	1.71e+08	1.11 y	30:23	1.64	99.2		2.50				99.2
PCB-54	1.75e+08	0.79 y	25:38	1.23	107		2.50	-	-	*	-
13C-PCB-54	1.32e+08	0.81 y	25:36	1.33	93.9		2.50				93.9
PCB-104	1.33e+08	1.56 y	30:04	1.12	104		2.50	-	-	*	-
13C-PCB-104	1.14e+08	1.60 y	30:03	1.09	99.3		2.50				99.3
13C-PCB-28	2.04e+08	1.06 y	26:41	1.74	111		2.50				111
13C-PCB-52	1.06e+08	0.79 y	28:57	-	191		2.50				
PCB-81	2.17e+08	0.79 y	36:11	1.20	115		2.50	-	-	*	-
13C-PCB-81	1.58e+08	0.82 y	36:10	1.50	107		2.50				107
PCB-77	1.92e+08	0.81 y	36:45	1.15	103		2.50	-	-	*	-
13C-PCB-77	1.63e+08	0.82 y	36:44	1.54	107		2.50				107
PCB-155	1.39e+08	1.27 y	34:15	1.07	102		2.50	-	-	*	-
13C-PCB-155	1.29e+08	1.29 y	34:13	1.35	96.2		2.50				96.2
13C-PCB-111	1.24e+08	1.60 y	36:18	1.27	98.3		2.50				98.3
13C-PCB-101	9.87e+07	1.59 y	34:40	-	210		2.50				
PCB-123	1.63e+08	1.47 y	38:23	1.14	103		2.50	-	-	*	-
13C-PCB-123	1.39e+08	1.58 y	38:21	1.34	101		2.50				101
PCB-118	3.76e+08	1.55 y	38:34	1.15	213		2.50	-	-	*	-
13C-PCB-118	1.54e+08	1.61 y	38:33	1.44	103		2.50				103
PCB-114	1.79e+08	1.54 y	39:11	1.13	108		2.50	-	-	*	-
13C-PCB-114	1.47e+08	1.59 y	39:09	1.39	103		2.50				103
PCB-105	1.88e+08	1.55 y	39:60	1.12	115		2.50	-	-	*	-
13C-PCB-105	1.46e+08	1.57 y	39:58	1.38	103		2.50				103
PCB-126	1.67e+08	1.55 y	42:08	1.12	111		2.50	-	-	*	-
13C-PCB-126	1.33e+08	1.58 y	42:07	1.33	97.4		2.50				97.4
PCB-167	1.48e+08	1.26 y	43:29	1.14	109		2.50	-	-	*	-
13C-PCB-167	1.19e+08	1.27 y	43:27	1.23	93.7		2.50				93.7
PCB-156	1.49e+08	1.25 y	44:43	1.16	112		2.50	-	-	*	-
13C-PCB-156	1.15e+08	1.28 y	44:41	1.22	91.5		2.50				91.5
PCB-157	1.48e+08	1.27 y	44:58	1.15	108		2.50	-	-	*	-
13C-PCB-157	1.19e+08	1.33 y	44:58	1.26	91.6		2.50				91.6
PCB-169	1.30e+08	1.27 y	46:50	1.13	103		2.50	-	-	*	-
13C-PCB-169	1.12e+08	1.27 y	46:48	1.22	89.1		2.50				89.1
PCB-188	1.35e+08	1.04 y	39:45	1.12	100		2.50	-	-	*	-
13C-PCB-188	1.20e+08	1.05 y	39:43	1.21	96.4		2.50				96.4
PCB-189	1.12e+08	1.04 y	48:29	1.10	98.4		2.50	-	-	*	-
13C-PCB-189	1.03e+08	1.05 y	48:29	1.08	92.5		2.50				92.5
PCB-202	1.65e+08	0.90 y	44:53	1.06	155		2.50	-	-	*	-
13C-PCB-202	1.01e+08	0.91 y	44:51	1.10	88.7		2.50				88.7
13C-PCB-178	8.55e+07	1.06 y	42:23	0.86	97.0		2.50				97.0
13C-PCB-138	1.03e+08	1.28 y	41:35	-	222		2.50				

FAL ID: ST020121Z1 Filename: 01FEB21Z Sam:1 Acquired: 1-FEB-21 07:35:03 ICal: 1668PCBFAL4-12-2-20 2 of 2
Client ID: CS209 210115A ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 1.000

PCB-205	2.09e+08	0.91	y	50:09	1.22	150	2.50	-	-	*	-
13C-PCB-205	1.14e+08	0.90	y	50:07	1.31	98.2	2.50				98.2
PCB-208	1.86e+08	1.37	y	49:12	1.04	164	2.50	-	-	*	-
13C-PCB-208	1.10e+08	0.81	y	49:11	1.42	86.9	2.50				86.9
PCB-206	1.36e+08	1.33	y	51:20	1.05	163	2.50	-	-	*	-
13C-PCB-206	7.88e+07	0.80	y	51:19	1.03	85.9	2.50				85.9
PCB-209	1.64e+08	1.19	y	52:31	1.15	156	2.50	-	-	*	-
13C-PCB-209	9.14e+07	1.20	y	52:30	1.23	83.5	2.50				83.5
13C-PCB-194	8.90e+07	0.91	y	49:52	-	254	2.50				

Analyst: [illegible] Date: 2/1/21

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 2/1/21

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:14 Analysis Date: 1-FEB-21 20:14:03

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	53.9	37.5 - 62.5
PCB-3	M/M+2	3.16	2.66-3.60	y	53.2	37.5 - 62.5
PCB-4	M/M+2	1.54	1.33-1.79	y	49.6	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	50.4	37.5 - 62.5
PCB-19	M/M+2	1.08	0.88-1.20	y	60.3	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	48.4	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	87.5	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	94.6	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	98.0	75.0 - 125
PCB-104	M+2/M+4	1.54	1.32-1.78	y	99.6	75.0 - 125
PCB-105	M+2/M+4	1.61	1.32-1.78	y	100	75.0 - 125
PCB-114	M+2/M+4	1.60	1.32-1.78	y	101	75.0 - 125
PCB-118	M+2/M+4	1.63	1.32-1.78	y	193	150 - 250
PCB-123	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
PCB-126	M+2/M+4	1.64	1.32-1.78	y	96.4	75.0 - 125
PCB-155	M+2/M+4	1.34	1.05-1.43	y	110	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	99.6	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	95.9	75.0 - 125
PCB-167	M+2/M+4	1.23	1.05-1.43	y	96.4	75.0 - 125
PCB-169	M+2/M+4	1.23	1.05-1.43	y	95.9	75.0 - 125
PCB-188	M+2/M+4	1.08	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125
PCB-202	M+2/M+4	0.99	0.76-1.02	y	173	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	138	112.5 - 187.5
PCB-206	M+4/M+6	1.30	1.13-1.53	y	146	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	143	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	149	112.5 - 187.5

Analyst: _____ Date: 2/2/21

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 2/1/21

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:14 Analysis Date: 1-FEB-21 20:14:03

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	M/M+2	3.28	2.66-3.60	y	104	50.0 - 145
13C-PCB-3	M/M+2	3.33	2.66-3.60	y	96.9	50.0 - 145
13C-PCB-4	M/M+2	1.58	1.33-1.79	y	104	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	93.5	50.0 - 145
13C-PCB-19	M/M+2	1.13	0.88-1.20	y	79.6	50.0 - 145
13C-PCB-37	M/M+2	1.03	0.88-1.20	y	64.7	50.0 - 145
13C-PCB-54	M/M+2	0.77	0.65-0.89	y	109	50.0 - 145
13C-PCB-77	M/M+2	0.77	0.65-0.89	y	91.8	50.0 - 145
13C-PCB-81	M/M+2	0.77	0.65-0.89	y	91.8	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	115	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	91.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.58	1.32-1.78	y	89.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	92.1	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	87.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.53	1.32-1.78	y	91.8	50.0 - 145
13C-PCB-155	M+2/M+4	1.42	1.05-1.43	y	74.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	98.2	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	101	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	99.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	102	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	92.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	98.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.96	0.76-1.02	y	64.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	117	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	121	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	122	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	69.3	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	97.0	75.0 - 125

Analyst: _____ Date: 2/2/21

FAL ID: ST02012IZ2 Filename: 01FEB21Z Sam:14 Acquired: 1-FEB-21 20:14:03 ICal: DAILY209FAL4-2-1-21
Client ID: CS209 210115A ConCal: ST02012IZ1 EndCal: ST02012IZ2
Results: 13559 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.22e+08	3.20 y	14:32	1.24	53.9		2.50	-	-	*	
13C-PCB-1	1.83e+08	3.28 y	14:31	0.86	104		2.50				104
PCB-3	1.13e+08	3.16 y	16:58	1.26	53.2		2.50	-	-	*	
13C-PCB-3	1.68e+08	3.33 y	16:57	0.84	96.9		2.50				96.9
PCB-4	8.20e+07	1.54 y	18:13	1.16	49.6		2.50	-	-	*	
13C-PCB-4	1.43e+08	1.58 y	18:12	0.67	104		2.50				104
PCB-15	1.26e+08	1.53 y	23:45	1.29	50.4		2.50	-	-	*	
13C-PCB-15	1.94e+08	1.58 y	23:44	1.01	93.5		2.50				93.5
PCB-19	6.06e+07	1.08 y	22:06	1.25	60.3		2.50	-	-	*	
13C-PCB-19	8.02e+07	1.13 y	22:05	0.49	79.6		2.50				79.6
13C-PCB-9	2.05e+08	1.61 y	19:52	-	100		2.50				
PCB-37	6.44e+07	1.13 y	30:25	1.35	48.4		2.50	-	-	*	
13C-PCB-37	9.88e+07	1.03 y	30:23	1.62	64.7		2.50				64.7
PCB-54	1.48e+08	0.76 y	25:39	1.32	87.5		2.50	-	-	*	
13C-PCB-54	1.28e+08	0.77 y	25:36	1.25	109		2.50				109
PCB-104	1.35e+08	1.54 y	30:05	1.16	99.6		2.50	-	-	*	
13C-PCB-104	1.16e+08	1.58 y	30:03	1.08	115		2.50				115
13C-PCB-28	1.26e+08	1.04 y	26:42	1.93	69.3		2.50				69.3
13C-PCB-52	9.41e+07	0.76 y	28:58	-	89.1		2.50				
PCB-81	1.85e+08	0.82 y	36:12	1.38	98.0		2.50	-	-	*	
13C-PCB-81	1.37e+08	0.77 y	36:10	1.60	91.8		2.50				91.8
PCB-77	1.58e+08	0.83 y	36:45	1.18	94.6		2.50	-	-	*	
13C-PCB-77	1.41e+08	0.77 y	36:44	1.65	91.8		2.50				91.8
PCB-155	1.07e+08	1.34 y	34:15	1.08	110		2.50	-	-	*	
13C-PCB-155	8.99e+07	1.42 y	34:13	1.30	74.1		2.50				74.1
13C-PCB-111	1.19e+08	1.62 y	36:18	1.25	102		2.50				102
13C-PCB-101	9.31e+07	1.61 y	34:40	-	94.4		2.50				
PCB-123	1.37e+08	1.63 y	38:23	1.17	101		2.50	-	-	*	
13C-PCB-123	1.16e+08	1.58 y	38:21	1.35	87.2		2.50				87.2
PCB-118	3.17e+08	1.63 y	38:34	1.22	193		2.50	-	-	*	
13C-PCB-118	1.34e+08	1.59 y	38:31	1.49	92.1		2.50				92.1
PCB-114	1.55e+08	1.60 y	39:10	1.22	101		2.50	-	-	*	
13C-PCB-114	1.25e+08	1.58 y	39:09	1.43	89.6		2.50				89.6
PCB-105	1.63e+08	1.61 y	39:60	1.29	100		2.50	-	-	*	
13C-PCB-105	1.26e+08	1.59 y	39:58	1.42	91.2		2.50				91.2
PCB-126	1.40e+08	1.64 y	42:07	1.25	96.4		2.50	-	-	*	
13C-PCB-126	1.16e+08	1.53 y	42:07	1.29	91.8		2.50				91.8
PCB-167	1.35e+08	1.23 y	43:29	1.24	96.4		2.50	-	-	*	
13C-PCB-167	1.13e+08	1.29 y	43:27	1.16	99.8		2.50				99.8
PCB-156	1.38e+08	1.25 y	44:43	1.29	99.6		2.50	-	-	*	
13C-PCB-156	1.07e+08	1.28 y	44:41	1.12	98.2		2.50				98.2
PCB-157	1.36e+08	1.24 y	44:58	1.24	95.9		2.50	-	-	*	
13C-PCB-157	1.14e+08	1.28 y	44:58	1.15	101		2.50				101
PCB-169	1.21e+08	1.23 y	46:50	1.17	95.9		2.50	-	-	*	
13C-PCB-169	1.08e+08	1.26 y	46:50	1.08	102		2.50				102
PCB-188	1.21e+08	1.08 y	39:45	1.12	103		2.50	-	-	*	
13C-PCB-188	1.05e+08	1.07 y	39:43	1.17	92.2		2.50				92.2
PCB-189	1.07e+08	1.06 y	48:30	1.08	103		2.50	-	-	*	
13C-PCB-189	9.62e+07	1.08 y	48:28	1.00	98.2		2.50				98.2
PCB-202	1.16e+08	0.99 y	44:53	1.09	173		2.50	-	-	*	
13C-PCB-202	6.17e+07	0.96 y	44:51	0.98	64.5		2.50				64.5
13C-PCB-178	7.88e+07	1.09 y	42:23	0.83	97.0		2.50				97.0
13C-PCB-138	9.79e+07	1.28 y	41:35	-	95.0		2.50				

Client ID: CS209 210115A ConCal: ST02012121 EndCal: ST02012122
Results: 13559 GC Column: DB1MS Amount: 1.000

PCB-205	1.58e+08	0.93	y	50:08	1.22	138	2.50	-	-	*	
13C-PCB-205	9.40e+07	0.87	y	50:07	1.28	102	2.50				102
PCB-208	1.72e+08	1.33	y	49:12	1.13	143	2.50	-	-	*	
13C-PCB-208	1.06e+08	0.79	y	49:11	1.23	121	2.50				121
PCB-206	1.24e+08	1.30	y	51:20	1.15	146	2.50	-	-	*	
13C-PCB-206	7.40e+07	0.80	y	51:19	0.89	117	2.50				117
PCB-209	1.59e+08	1.19	y	52:31	1.20	149	2.50	-	-	*	
13C-PCB-209	8.93e+07	1.20	y	52:31	1.03	122	2.50				122
13C-PCB-194	7.15e+07	0.90	y	49:52	-	80.3	2.50				

Analyst: [illegible] Date: 2/2/21

Frontier Analytical Laboratory - Acquisition Log

Run Name:01FEB21Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

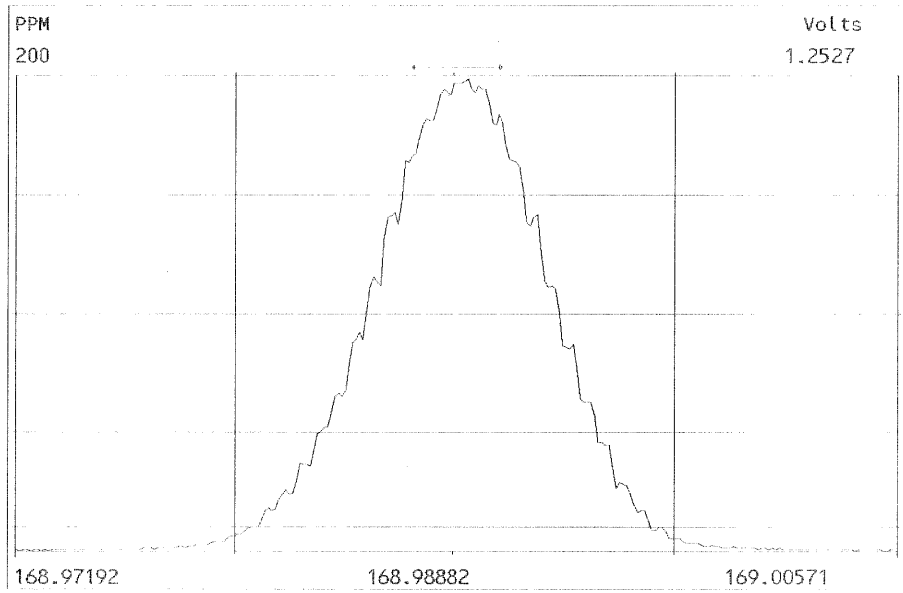
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
01FEB21Z	1	ST020121Z1	CS209 210115A	1-FEB-21 07:35:03	ST020121Z1	ST020121Z2	BS
01FEB21Z	2	05602-001-0001-OPR	OPR	1-FEB-21 08:33:23	ST020121Z1	ST020121Z2	BS
01FEB21Z	3	05602-001-0001-MB	Method Blank	1-FEB-21 09:31:45	ST020121Z1	ST020121Z2	BS
01FEB21Z	4	13559-001-0001-SA	LDW-Y3-LBS-SU-ENR-A-CORE	1-FEB-21 10:30:06	ST020121Z1	ST020121Z2	BS
01FEB21Z	5	13559-002-0001-SA	LDW-Y3-LBS-SU-ENR-B-CORE	1-FEB-21 11:28:27	ST020121Z1	ST020121Z2	BS
01FEB21Z	6	13559-003-0001-SA	LDW-Y3-LBS-SU-ENR-C-CORE	1-FEB-21 12:26:48	ST020121Z1	ST020121Z2	BS
01FEB21Z	7	13559-004-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CORE	1-FEB-21 13:25:09	ST020121Z1	ST020121Z2	BS
01FEB21Z	8	13559-005-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CORE	1-FEB-21 14:23:30	ST020121Z1	ST020121Z2	BS
01FEB21Z	9	13559-006-0001-SA*	LDW-Y3-LBS-SU-ENR+AC-C-CORE*	1-FEB-21 15:21:52	ST020121Z1	ST020121Z2	BS
01FEB21Z	10	SB020121Z1	Solvent Blank	1-FEB-21 16:20:38	ST020121Z1	ST020121Z2	BS
01FEB21Z	11	QC020121Z1	QC210127A	1-FEB-21 17:18:59	ST020121Z1	ST020121Z2	BS
01FEB21Z	12	QC020121Z2	QC210127B	1-FEB-21 18:17:21	ST020121Z1	ST020121Z2	BS
01FEB21Z	13	SB020121Z2	Solvent Blank	1-FEB-21 19:15:42	ST020121Z1	ST020121Z2	BS
01FEB21Z	14	ST020121Z2	CS209 210115A	1-FEB-21 20:14:03	ST020121Z1	ST020121Z2	BS

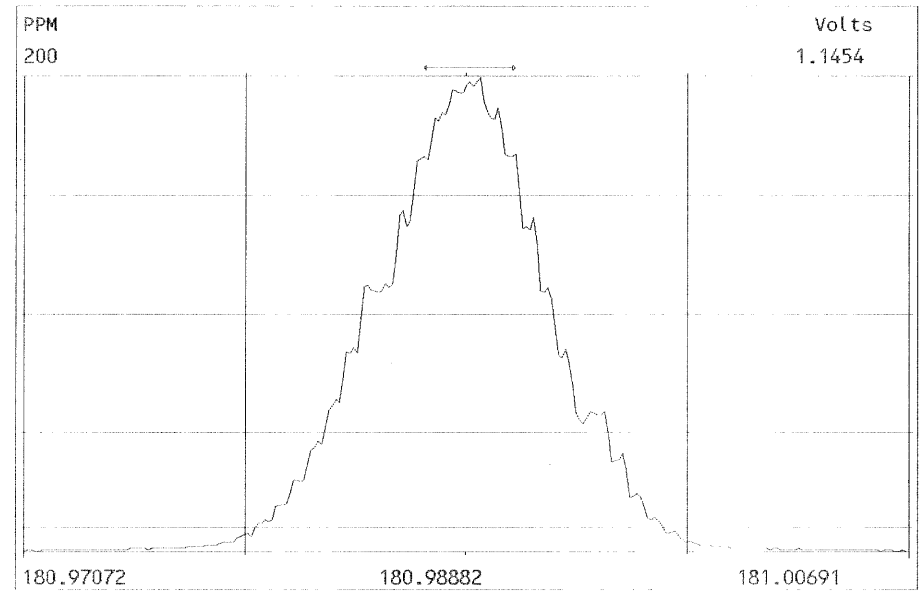
* BAD INJECTION - RI on 2/2/21
BS 2/2/21

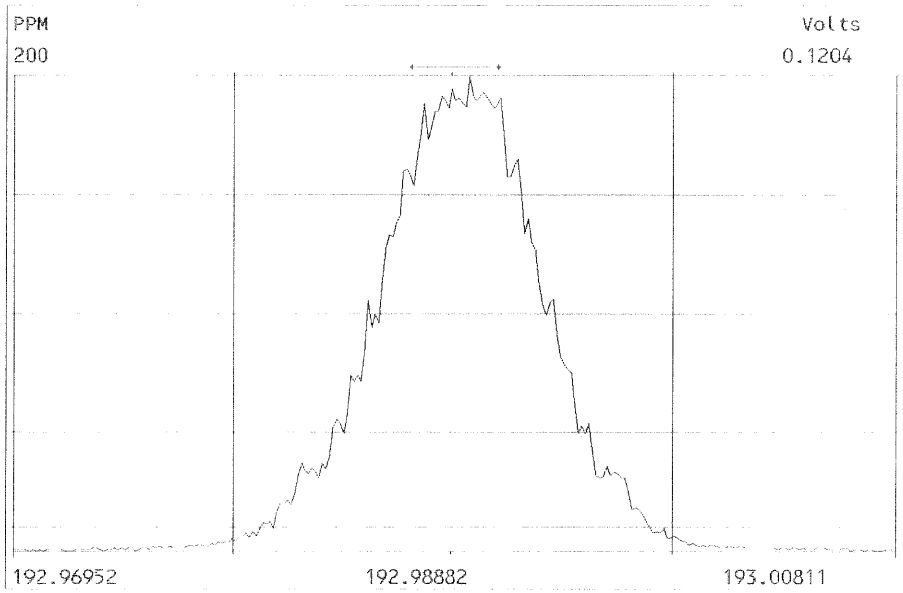
Data Backed Up:_____

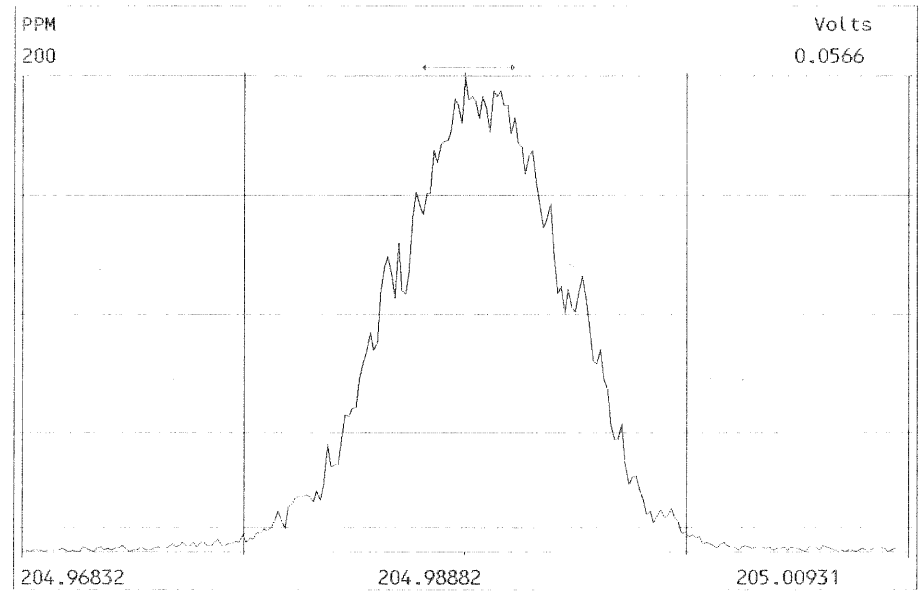
Date:_____

Peak Locate Examination: 1-FEB-2021:07:32 File:01FEB21Z
Experiment:1668PCB Function:1 Reference:PFK

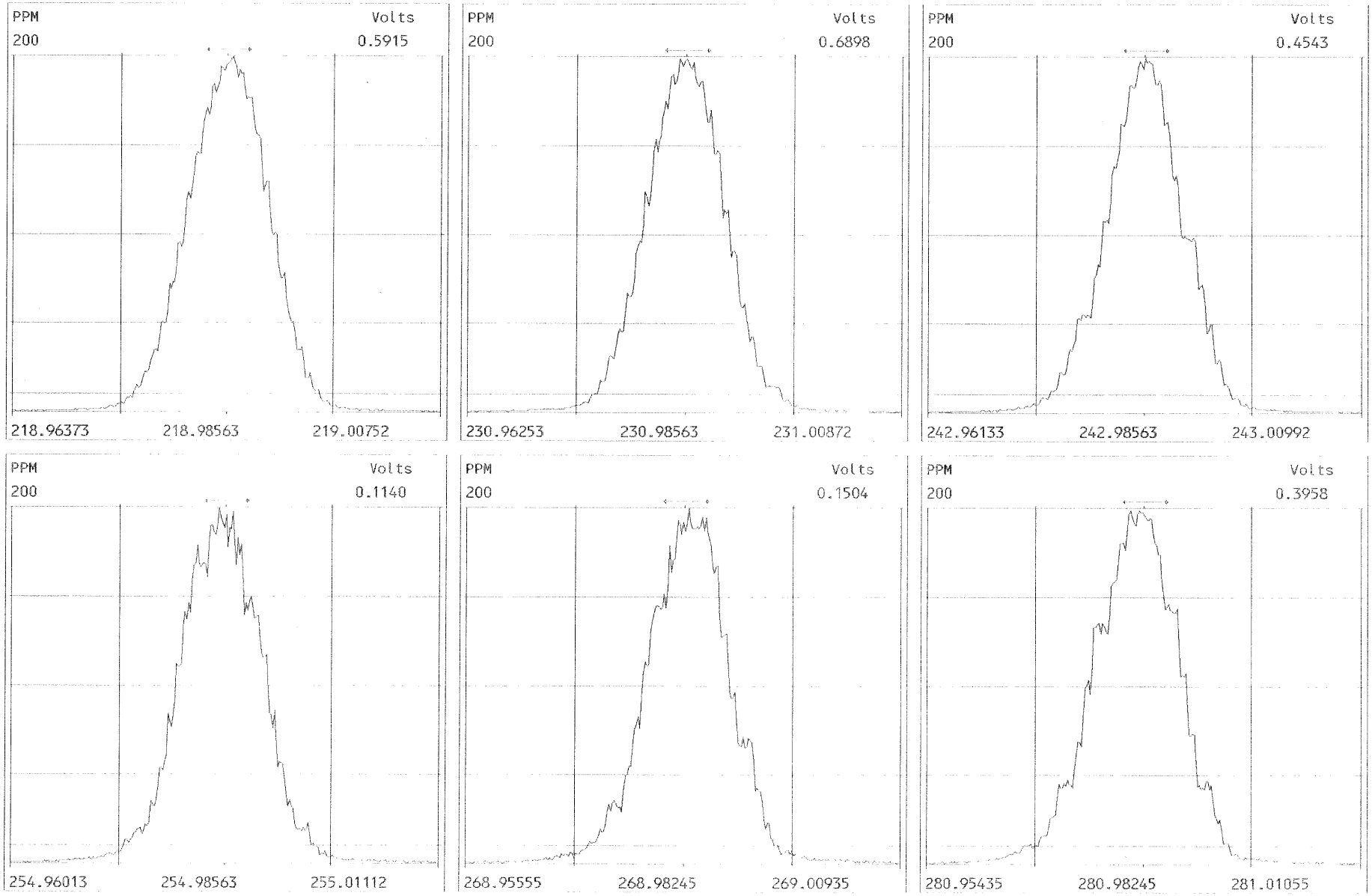






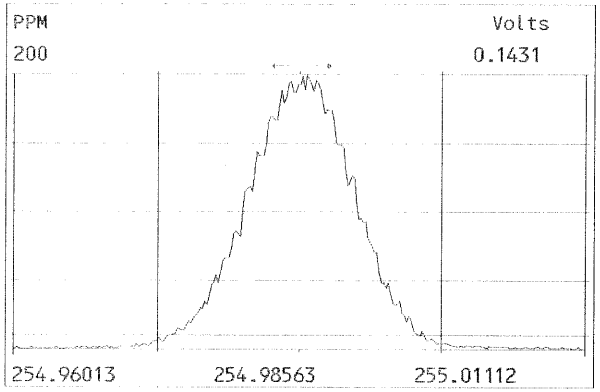


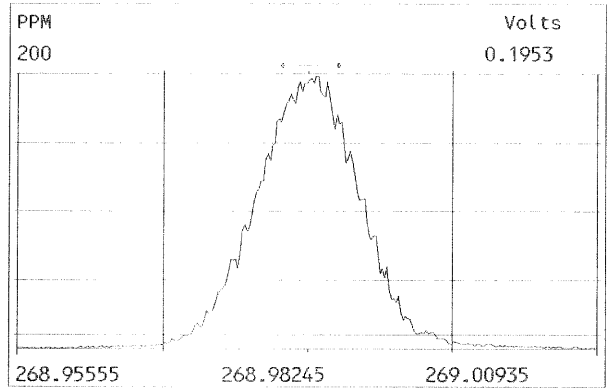
Peak Locate Examination: 1-FEB-2021:07:32 File:01FEB21Z
Experiment:1668PCB Function:2 Reference:PFK

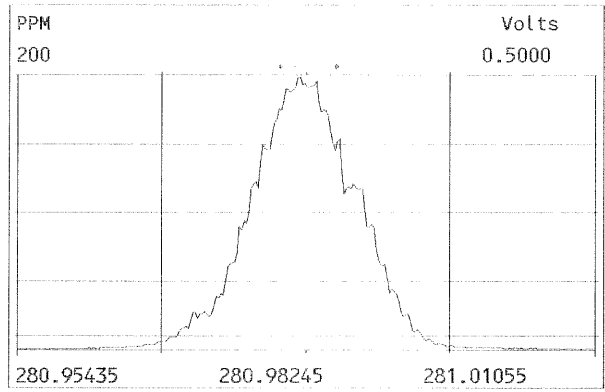


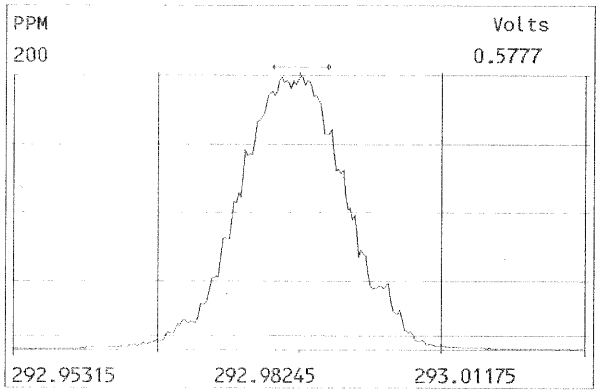
Peak Locate Examination: 1-FEB-2021:07:32 File:01FEB21Z

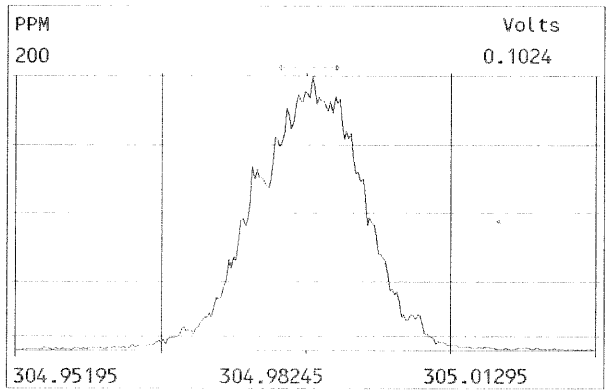
Experiment:1668PCB Function:3 Reference:PFK

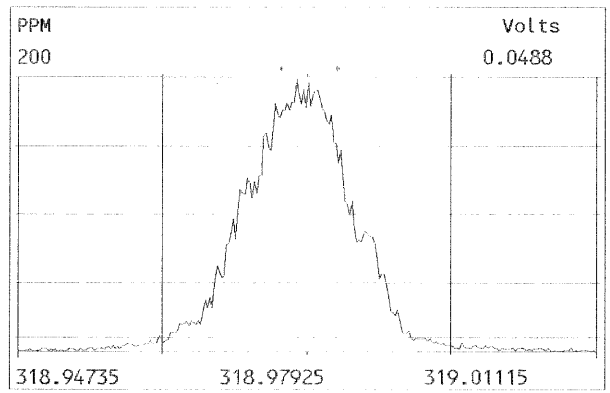


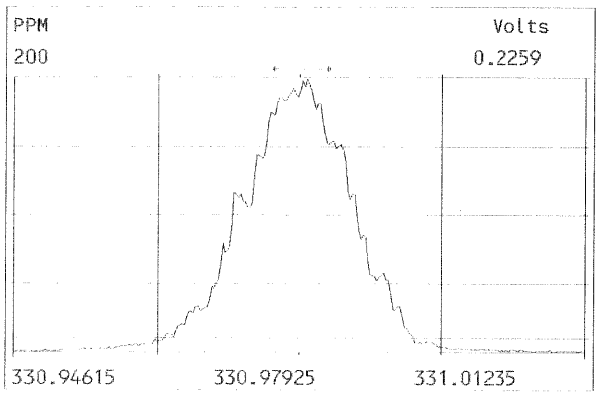


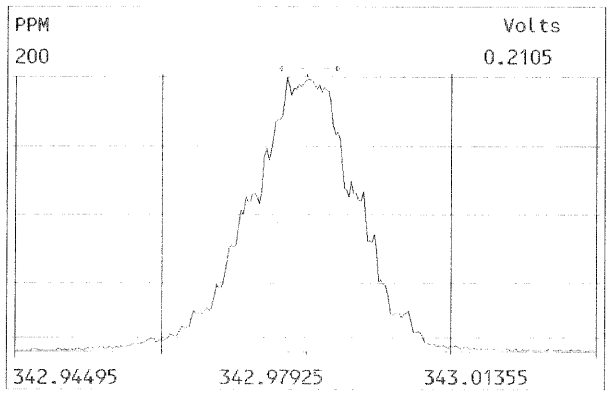






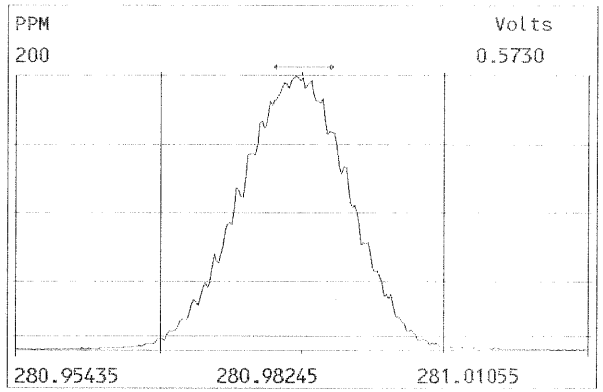


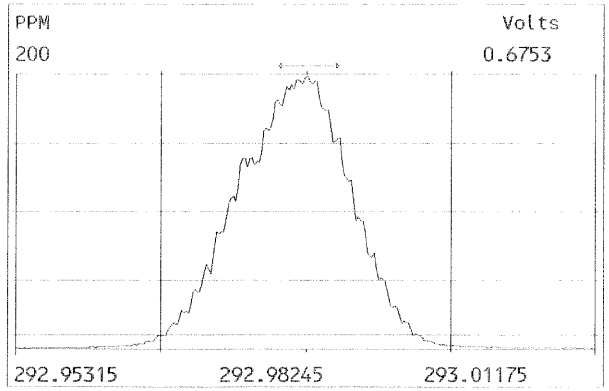


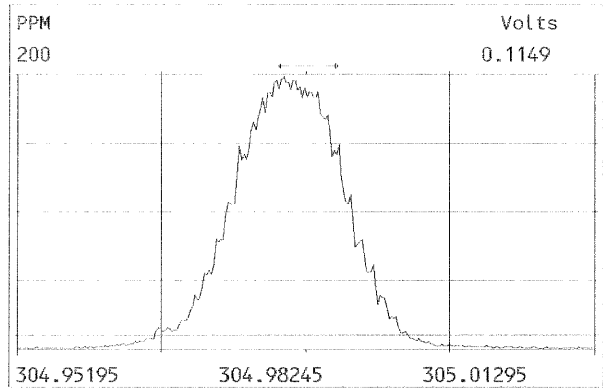


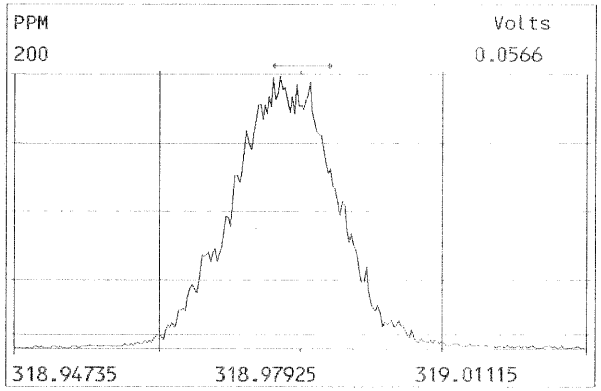
Peak Locate Examination: 1-FEB-2021:07:33 File:01FEB21Z

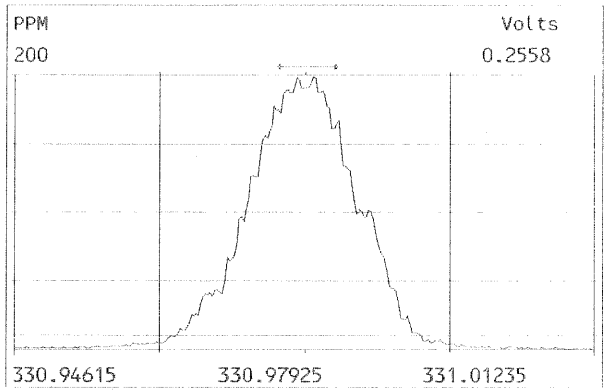
Experiment:1668PCB Function:4 Reference:PFK

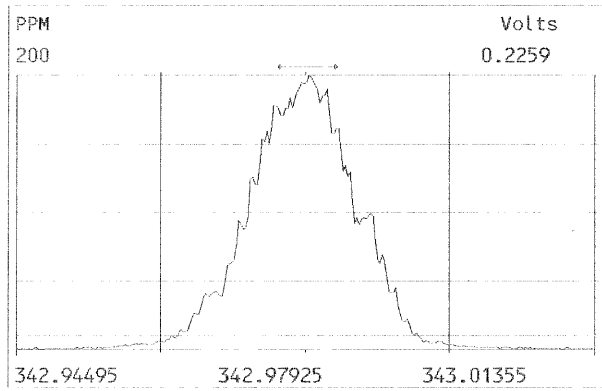


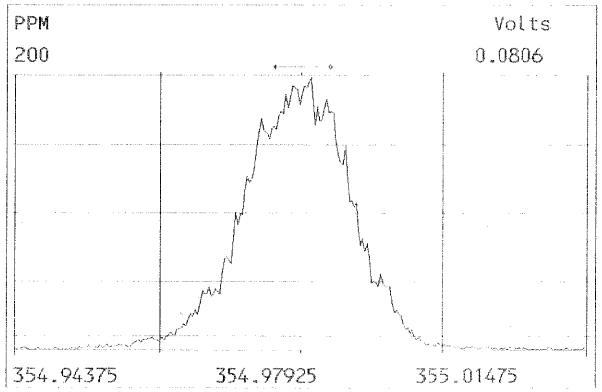


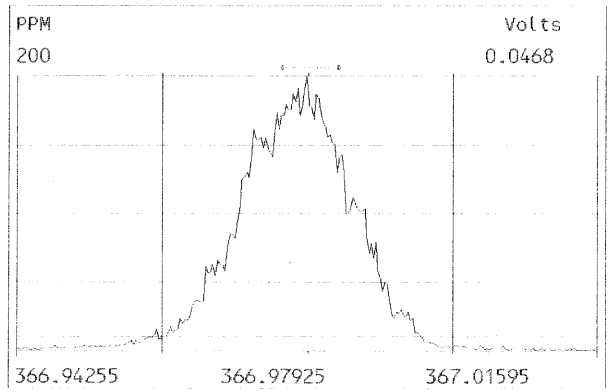


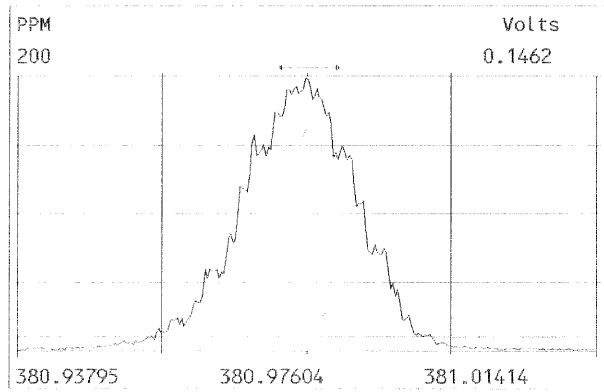






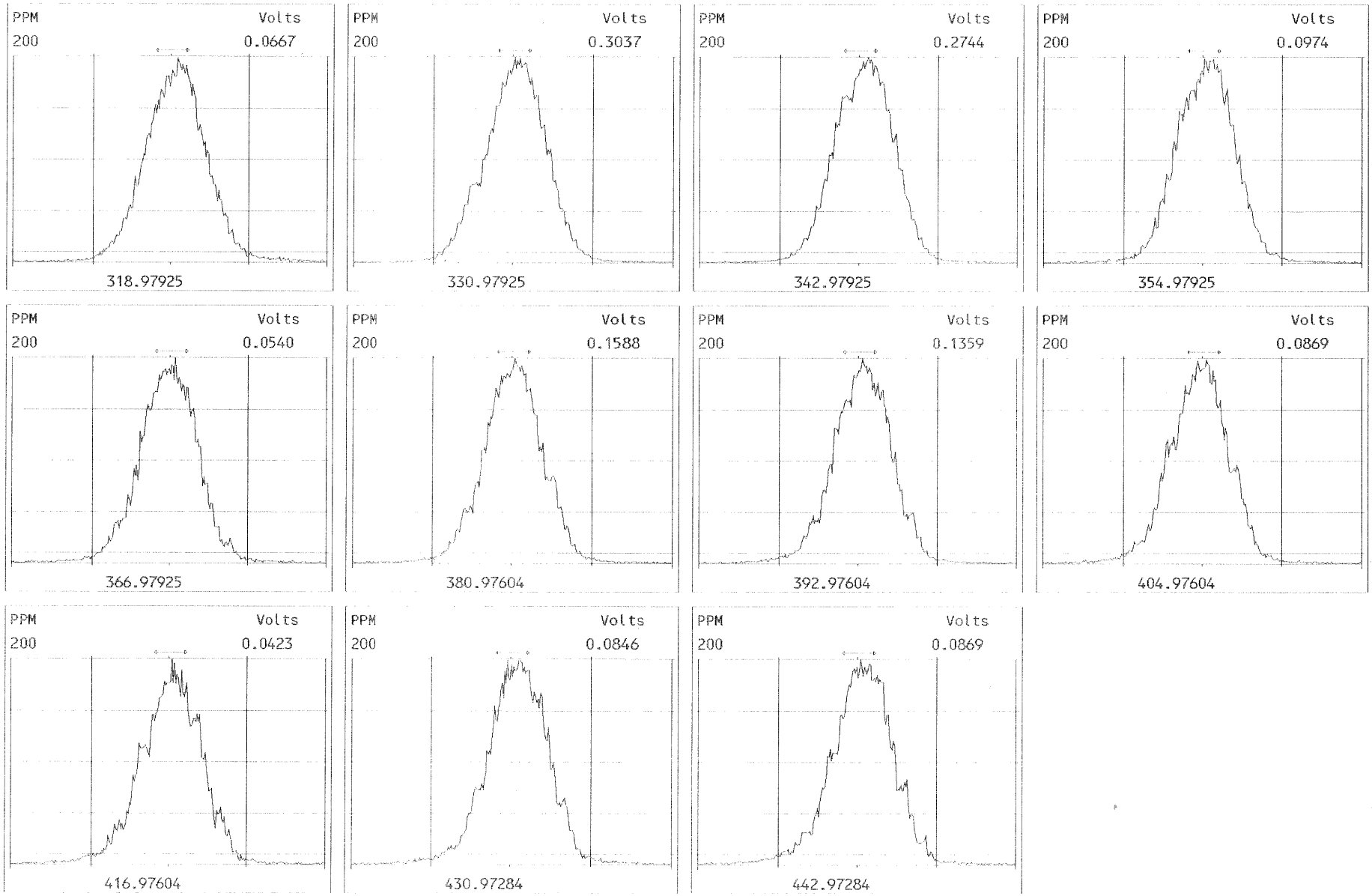






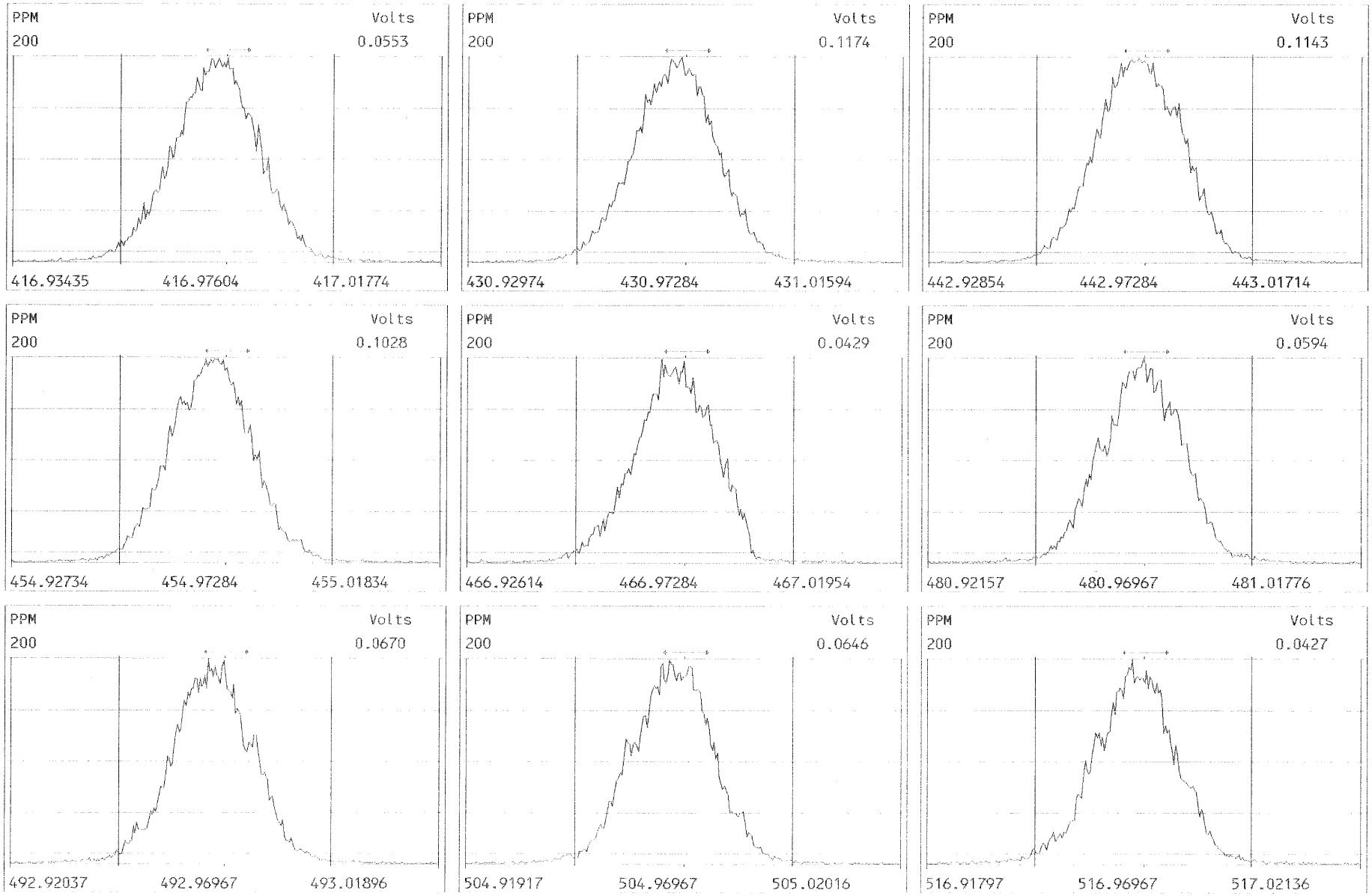
Peak Locate Examination: 1-FEB-2021:07:33 File:01FEB21Z

Experiment:1668PCB Function:5 Reference:PFK

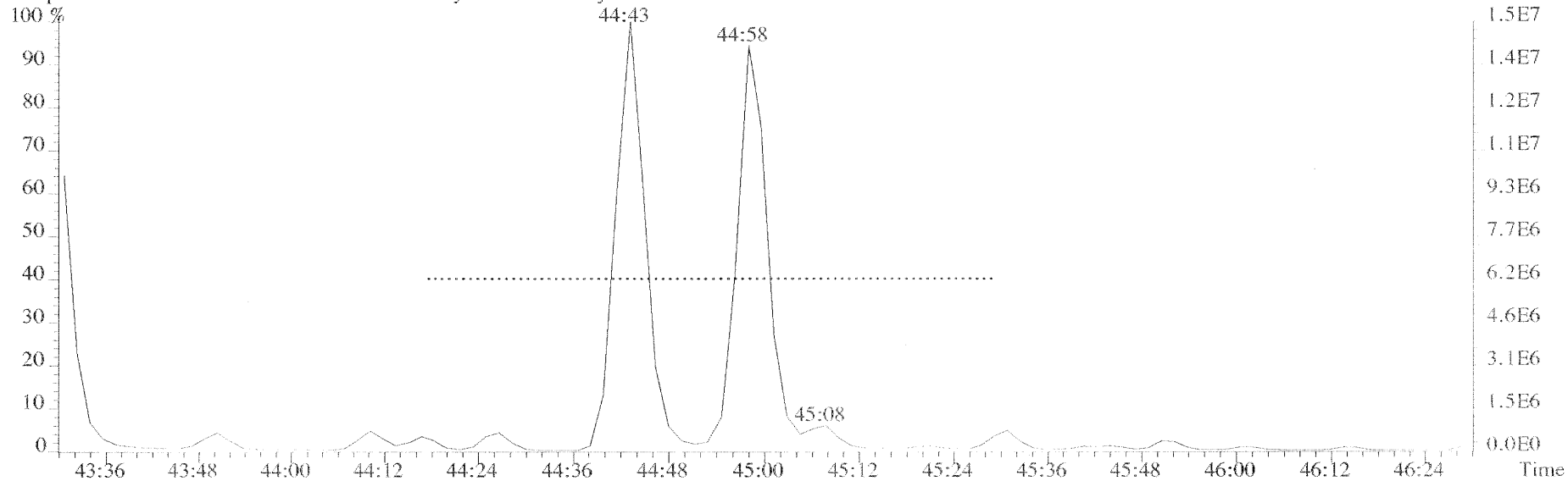


Peak Locate Examination: 1-FEB-2021:07:34 File:01FEB21Z

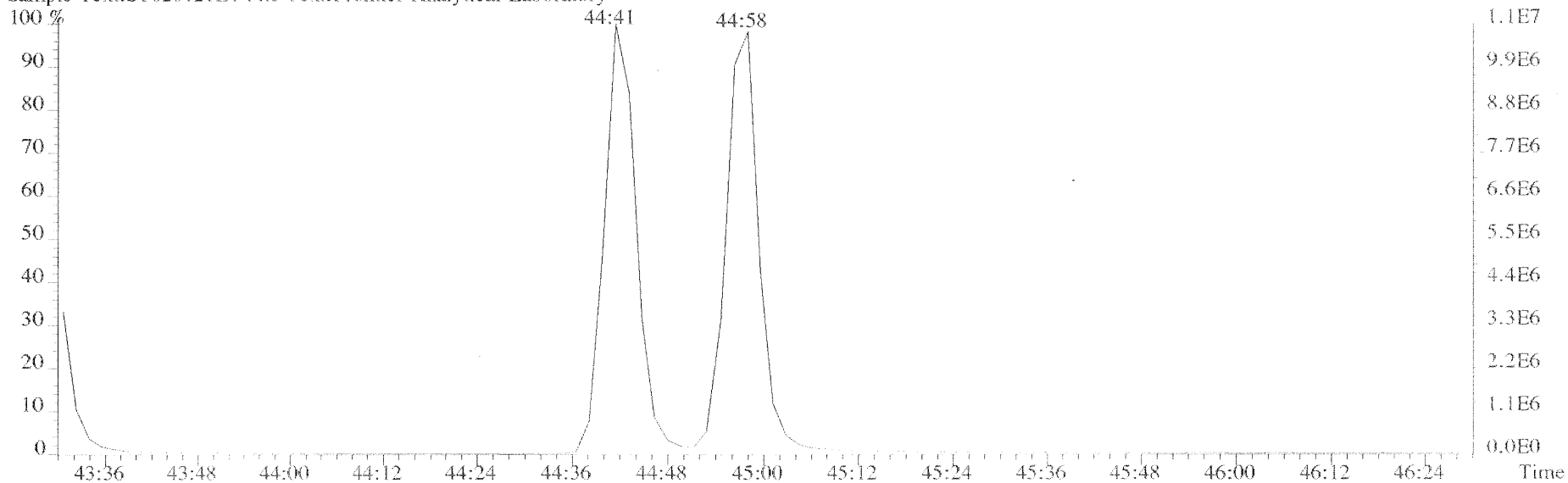
Experiment:1668PCB Function:6 Reference:PFK



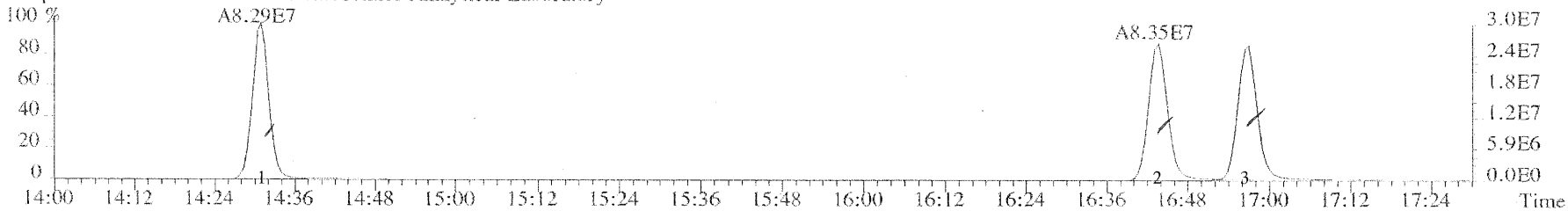
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



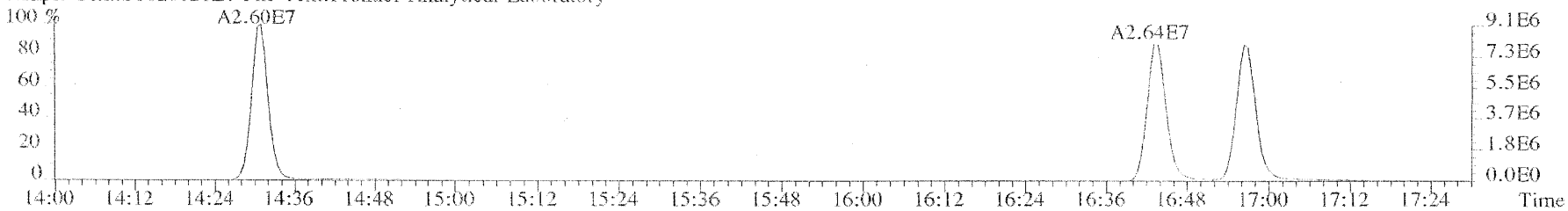
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



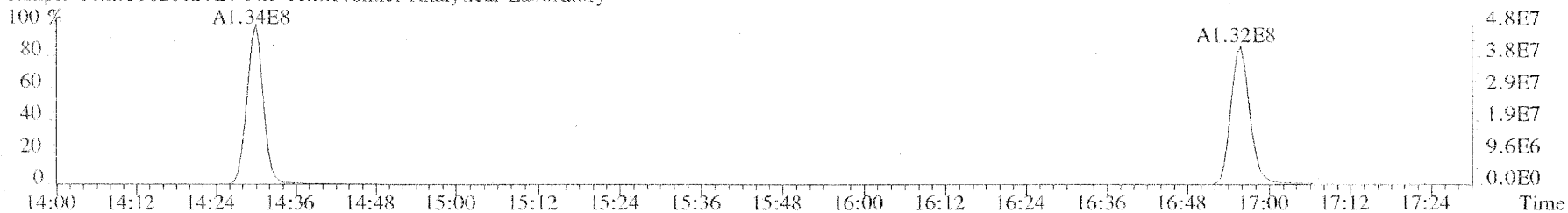
File:01FEB21Z #1-783 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



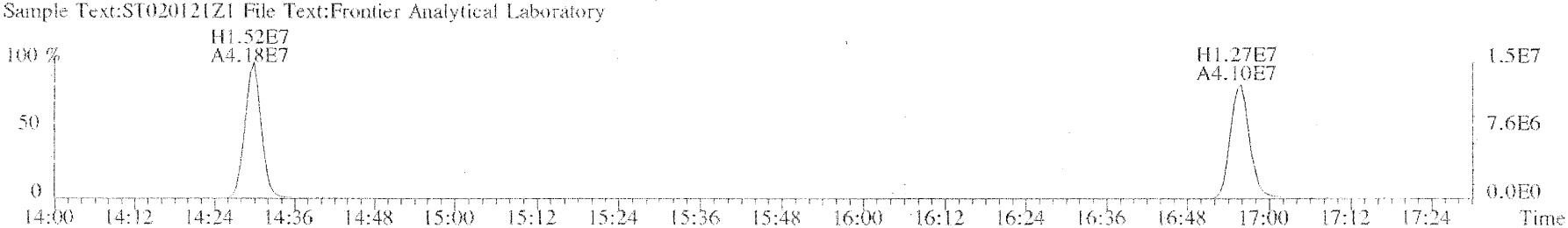
File:01FEB21Z #1-783 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



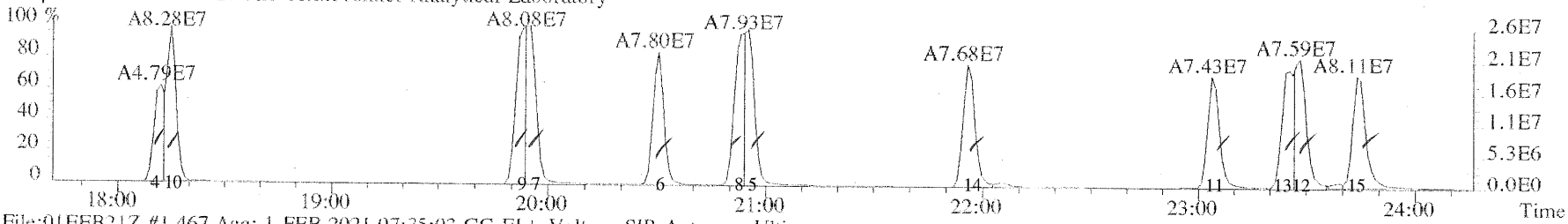
File:01FEB21Z #1-783 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



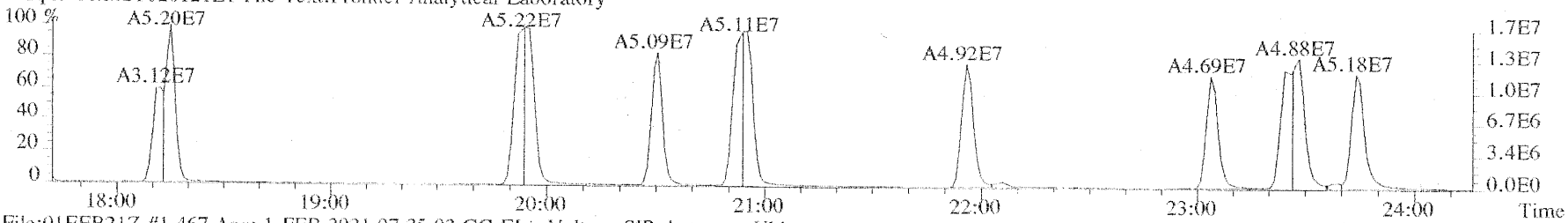
File:01FEB21Z #1-783 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



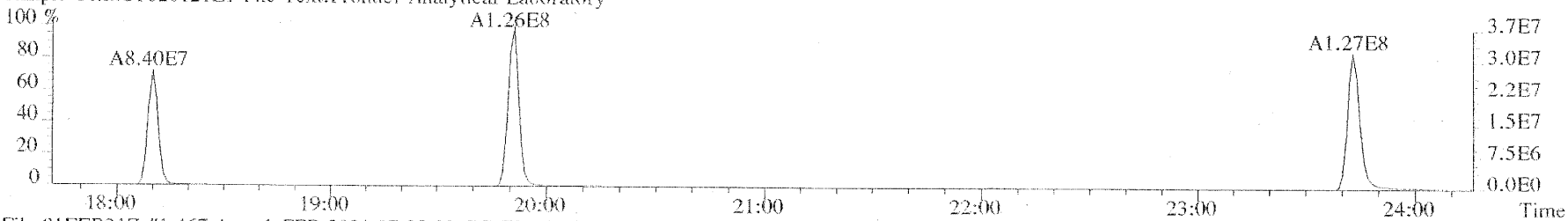
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



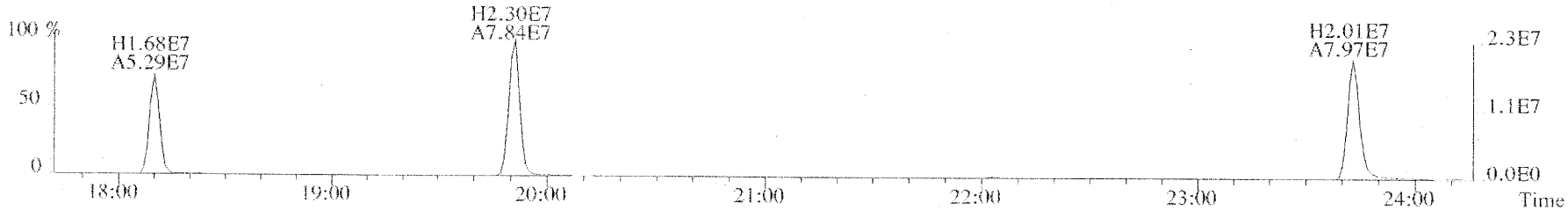
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



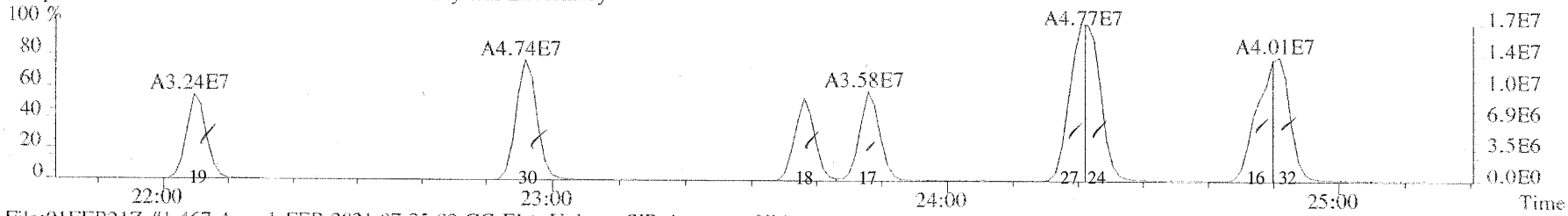
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



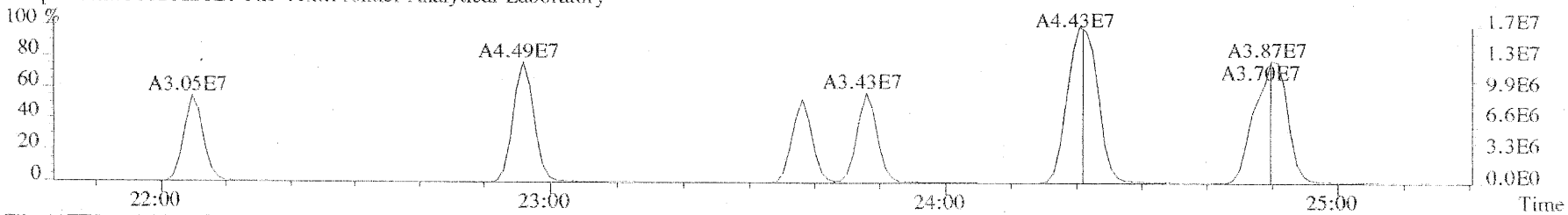
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



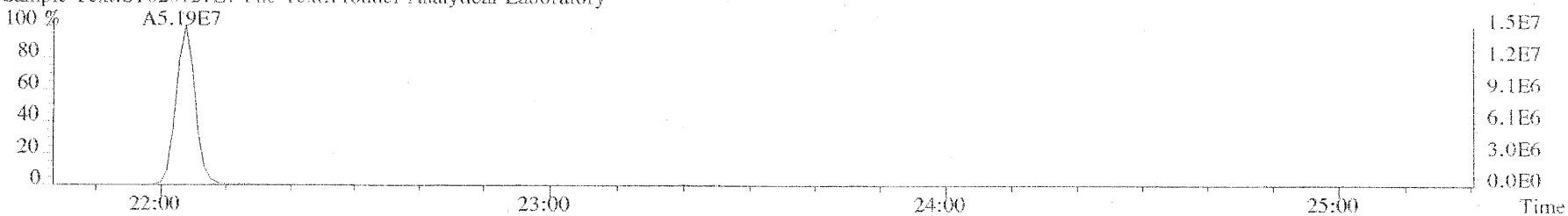
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



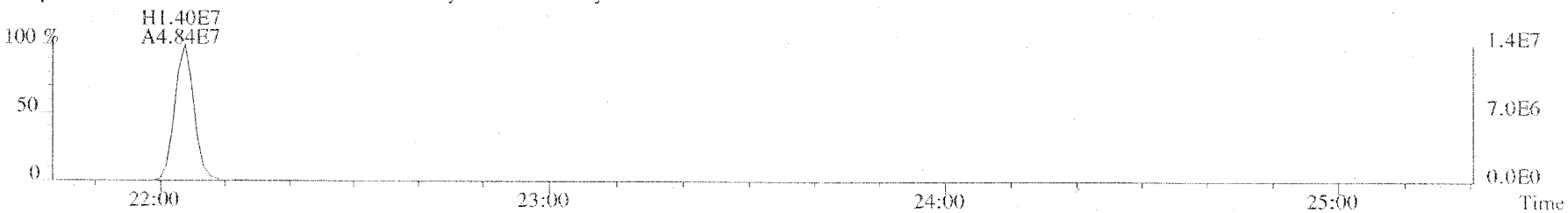
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



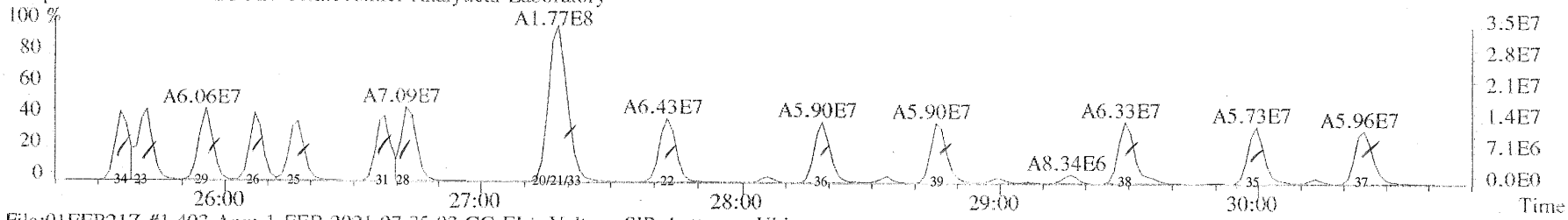
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



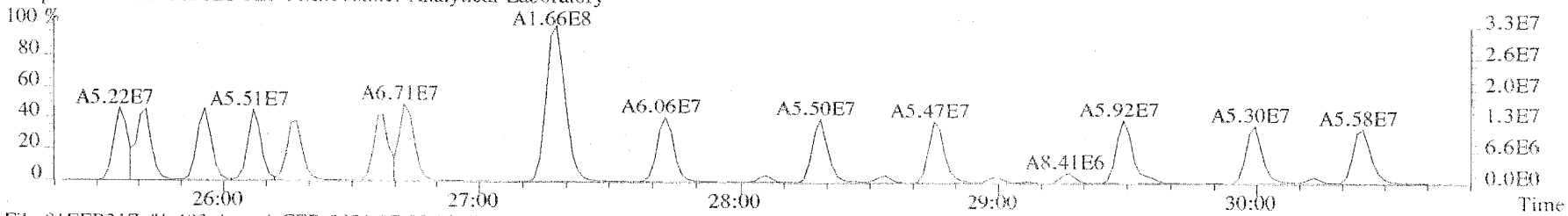
File:01FEB21Z #1-467 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



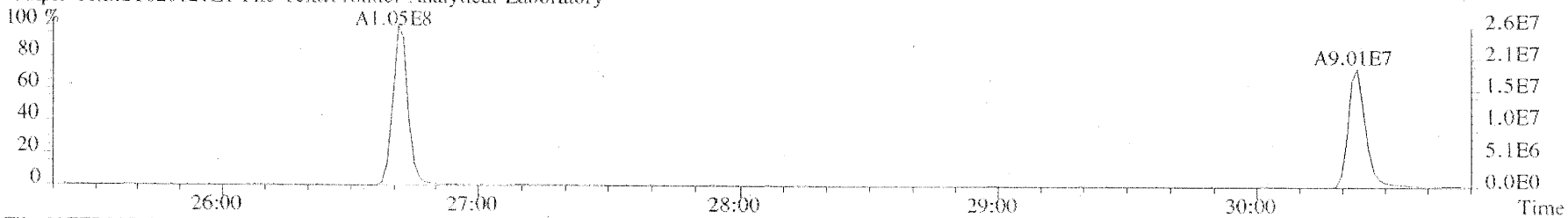
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



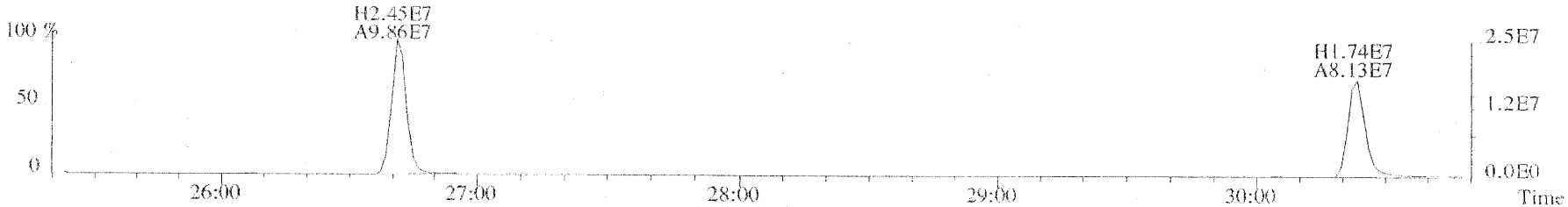
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



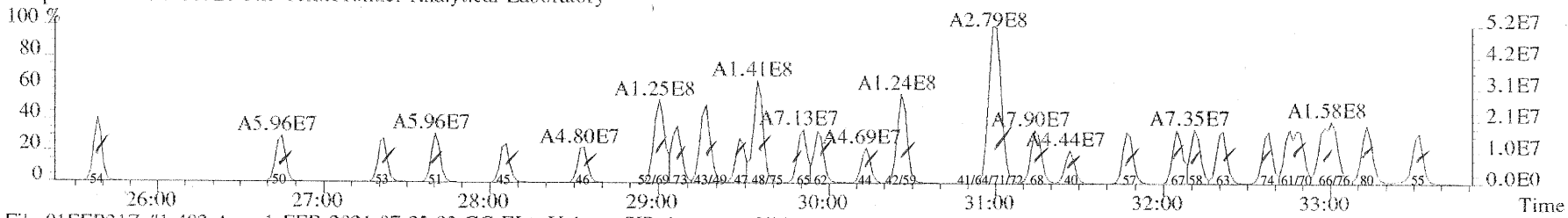
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



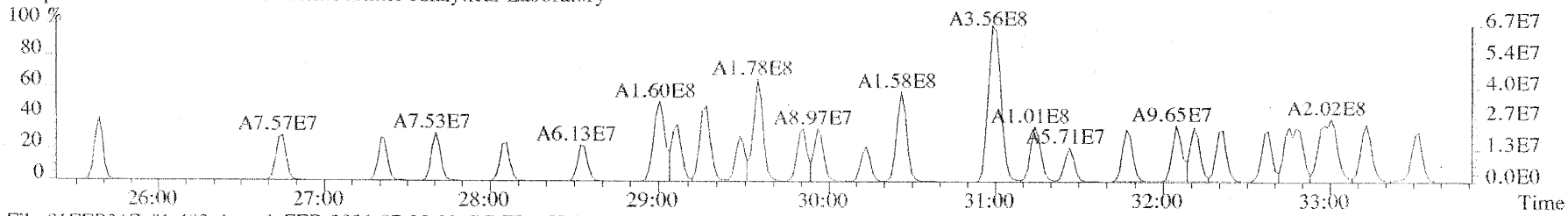
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



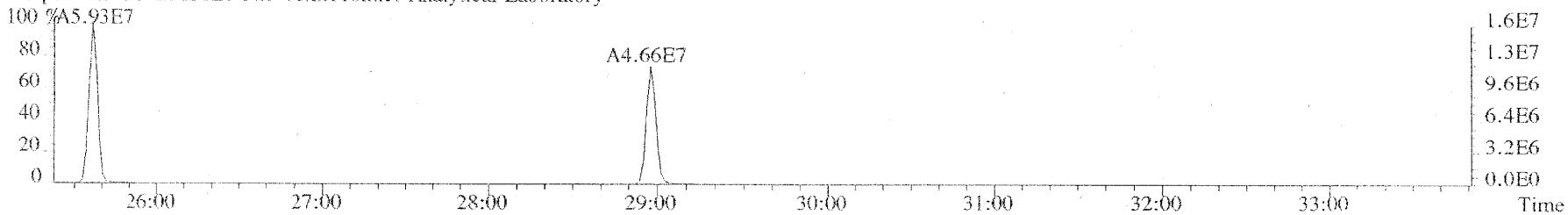
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



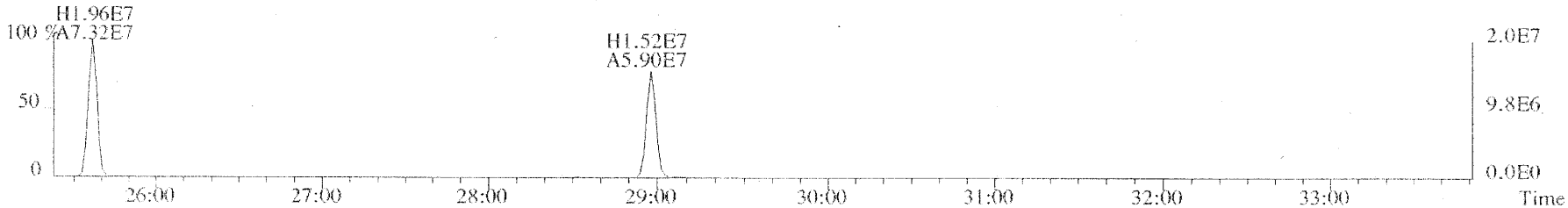
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



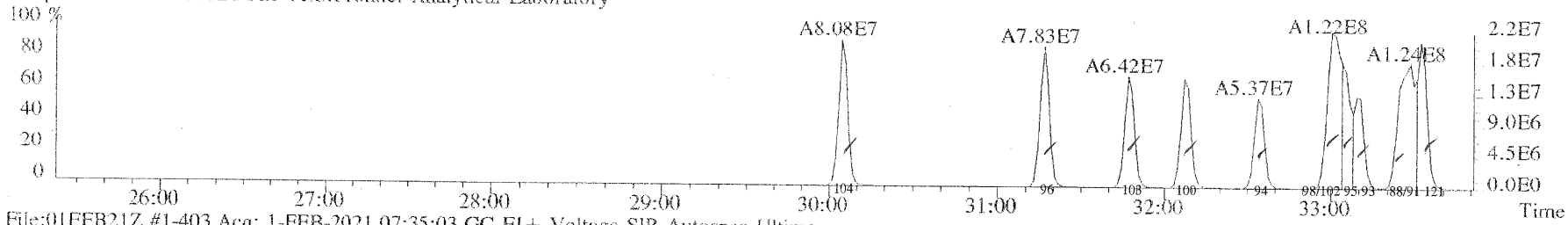
File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 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:ST020121Z1 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 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:ST020121Z1 File Text:Frontier Analytical Laboratory



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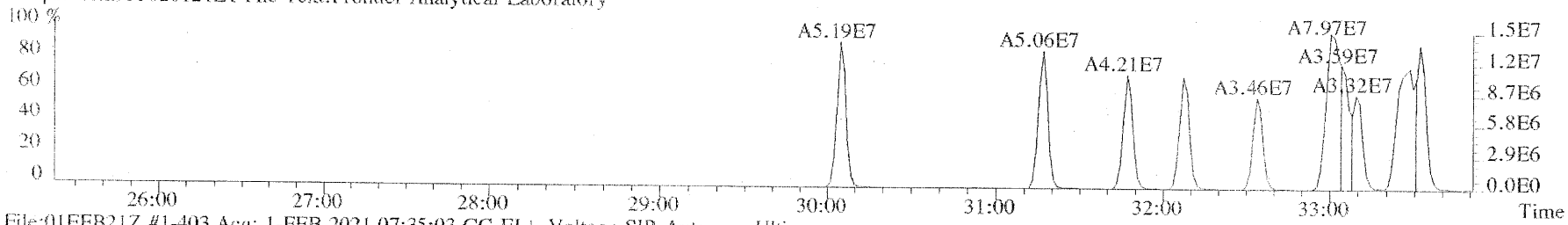
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



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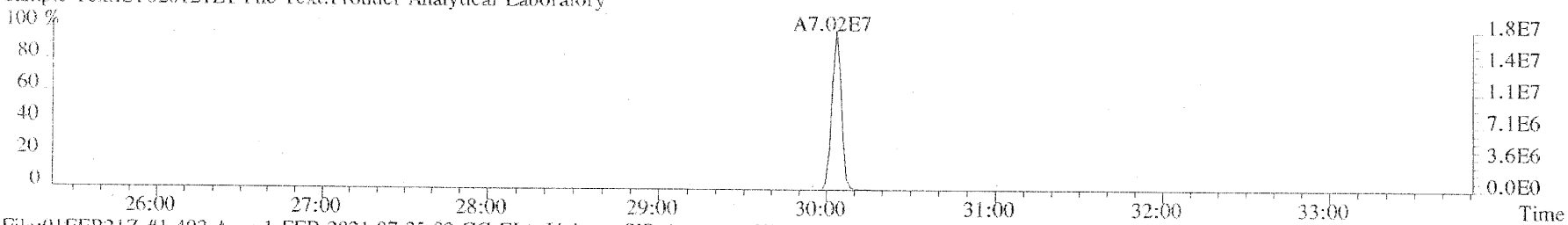
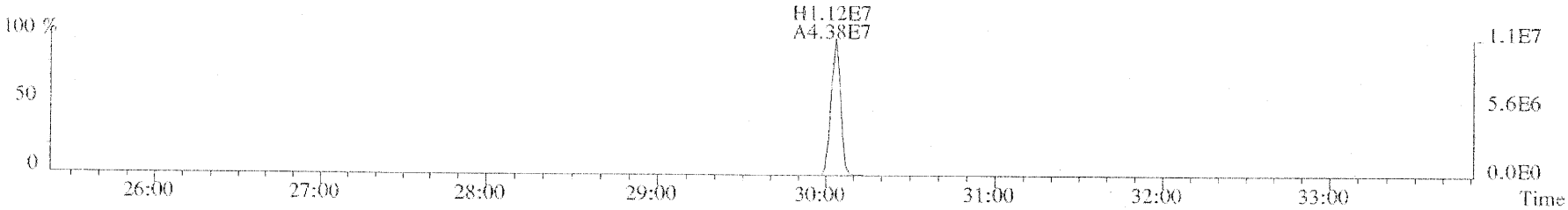
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 07:35:03 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:ST020121Z1 File Text:Frontier Analytical Laboratory



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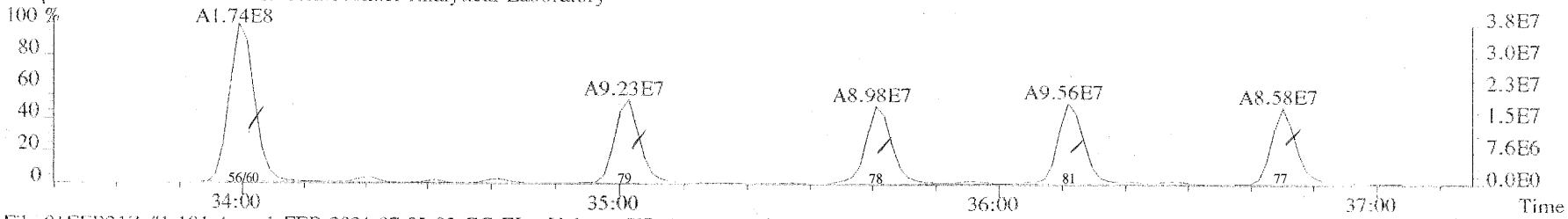
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



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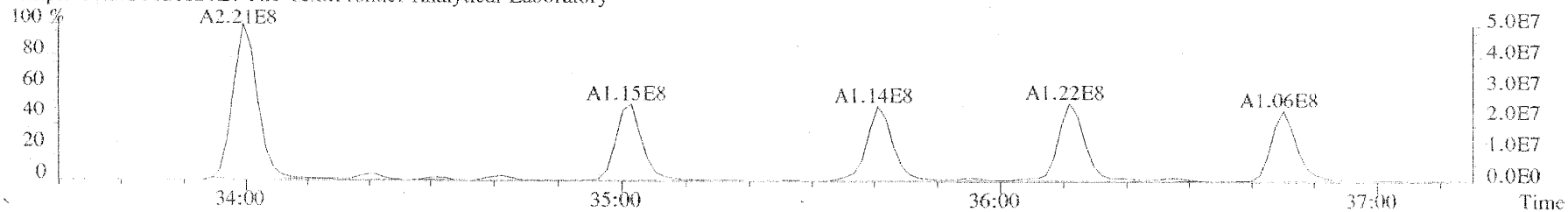
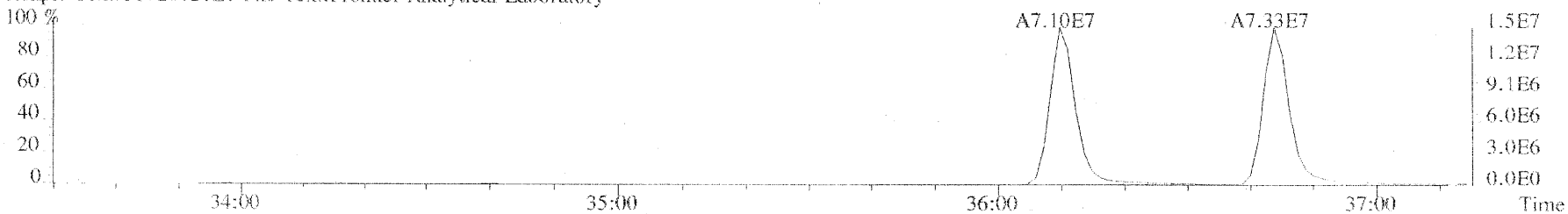
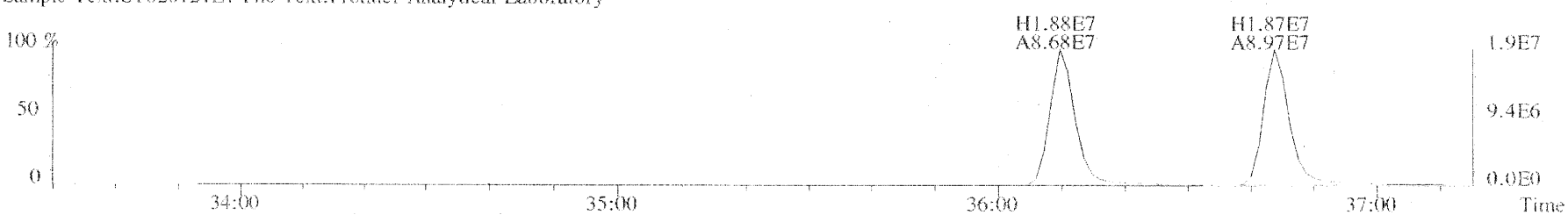
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



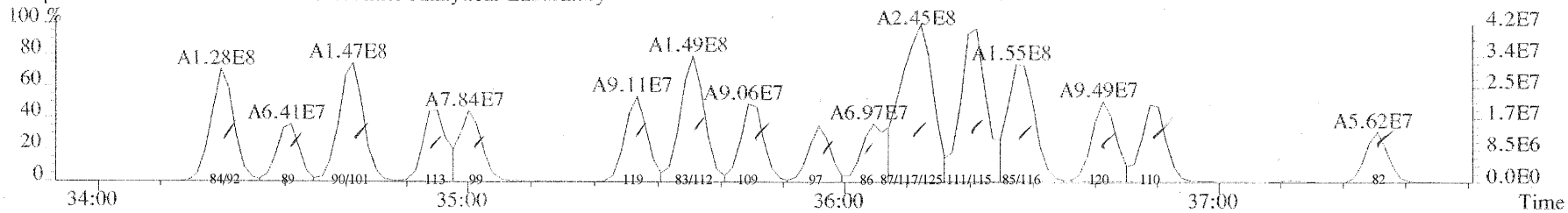
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



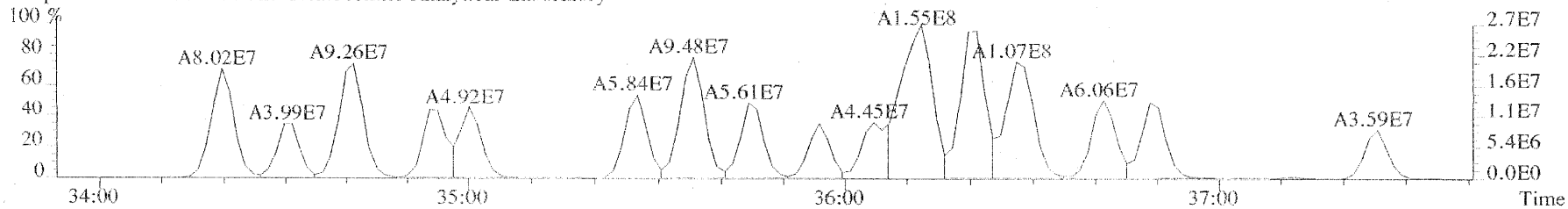
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



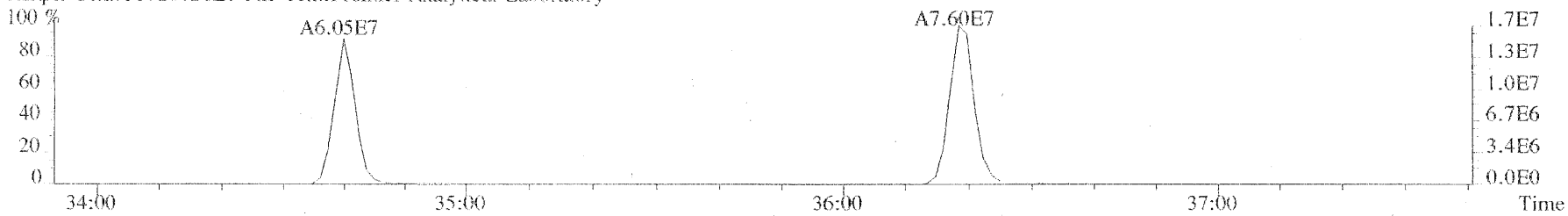
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



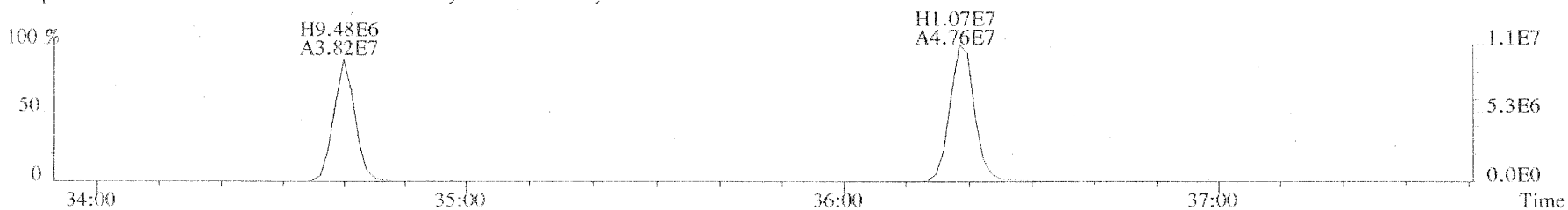
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



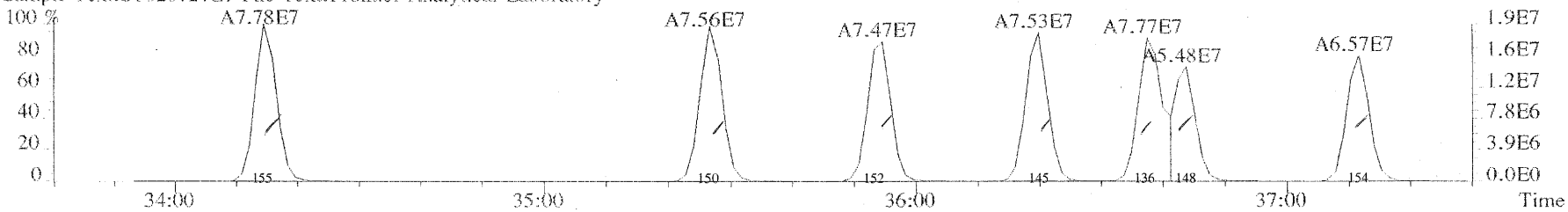
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



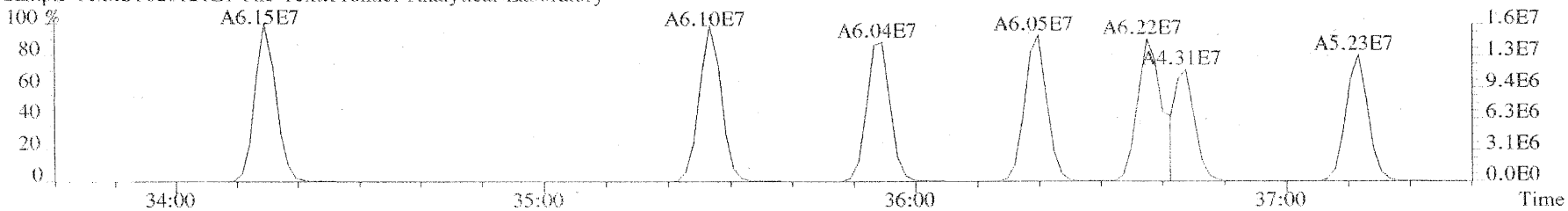
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



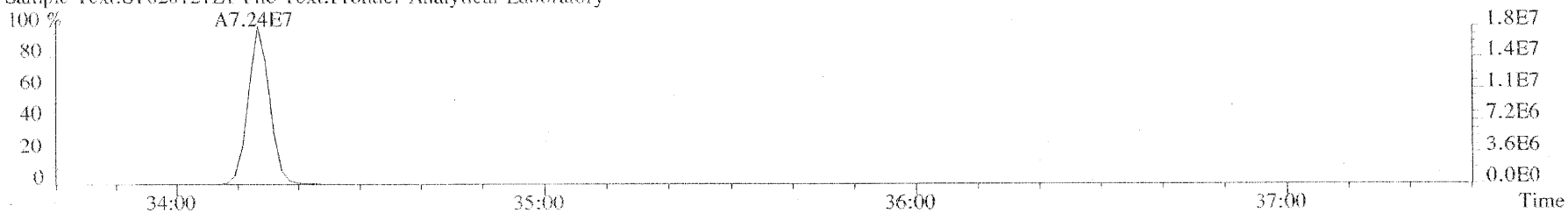
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



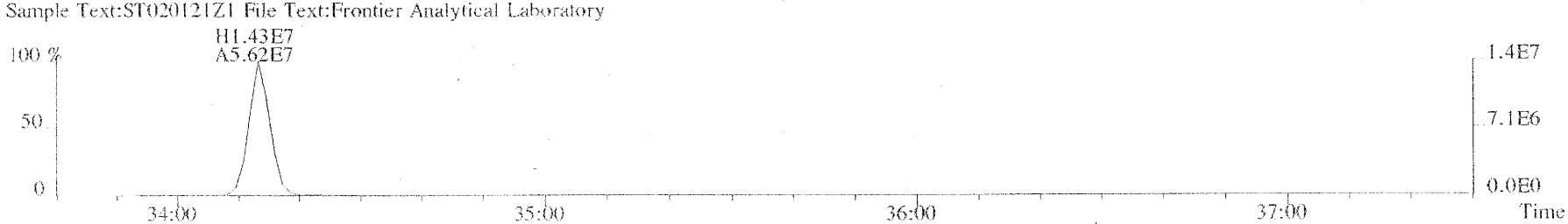
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



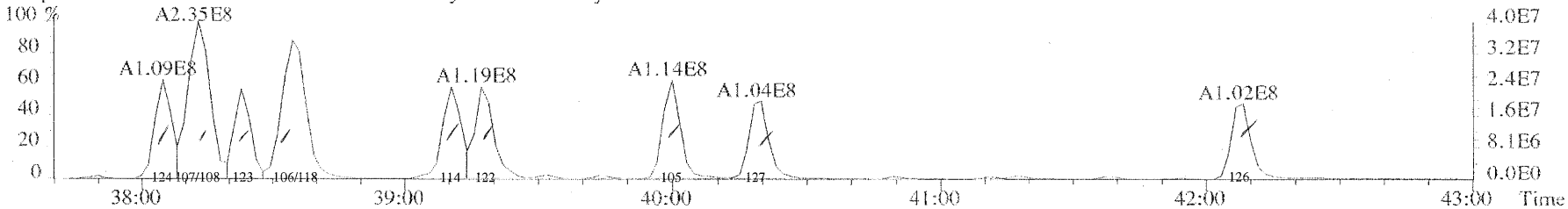
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



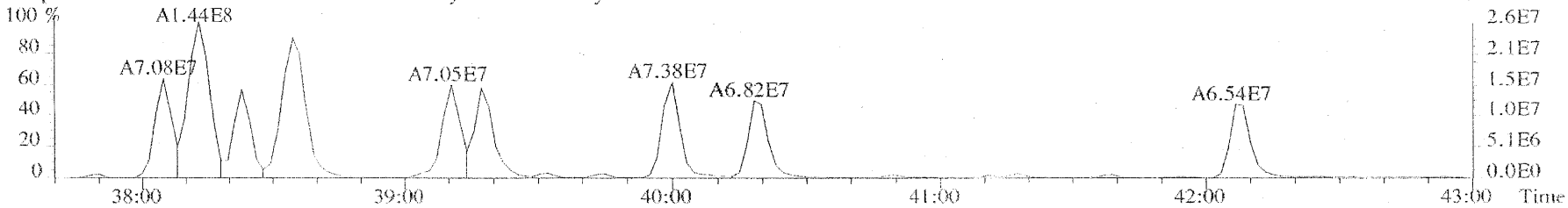
File:01FEB21Z #1-181 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 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:ST020121Z1 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 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:ST020121Z1 File Text:Frontier Analytical Laboratory



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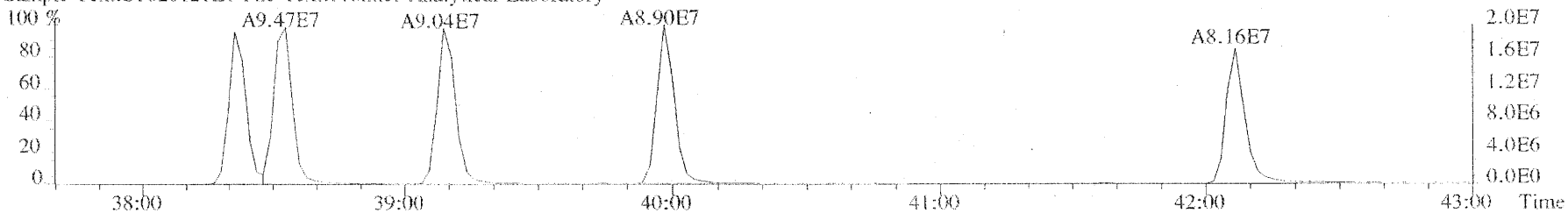
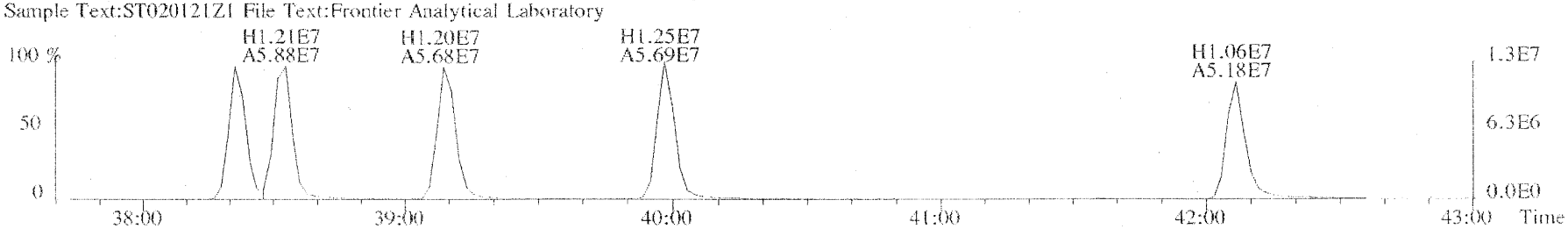
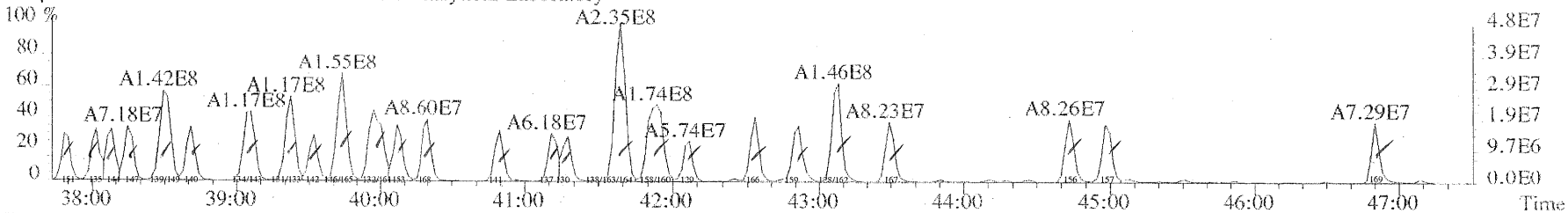
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



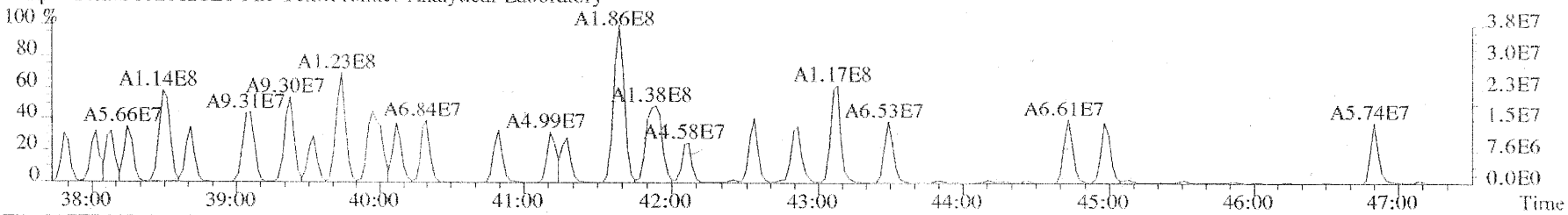
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



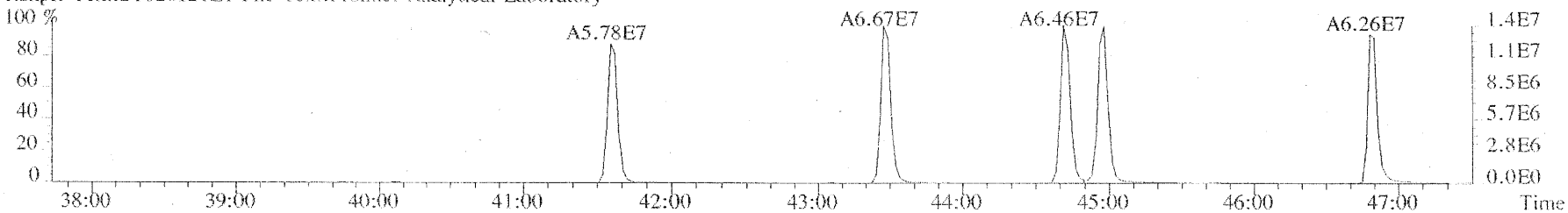
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



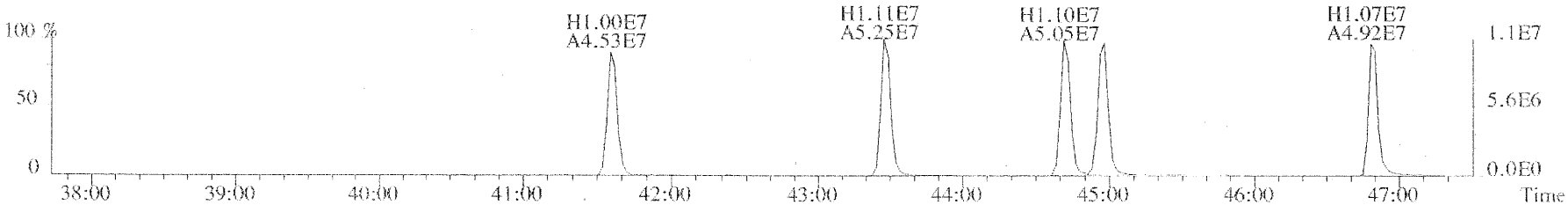
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



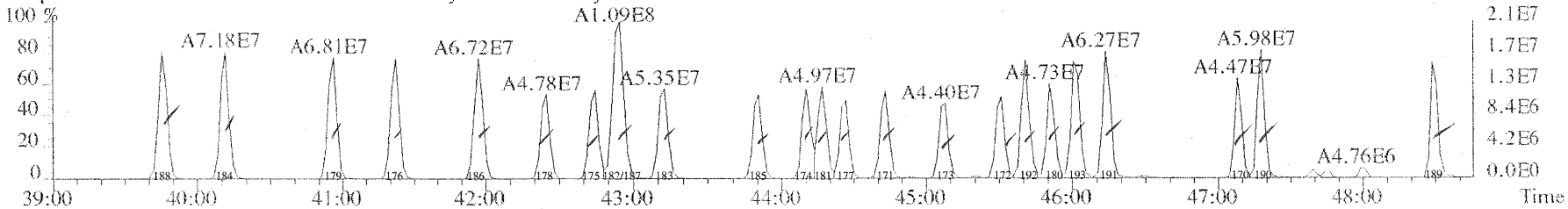
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



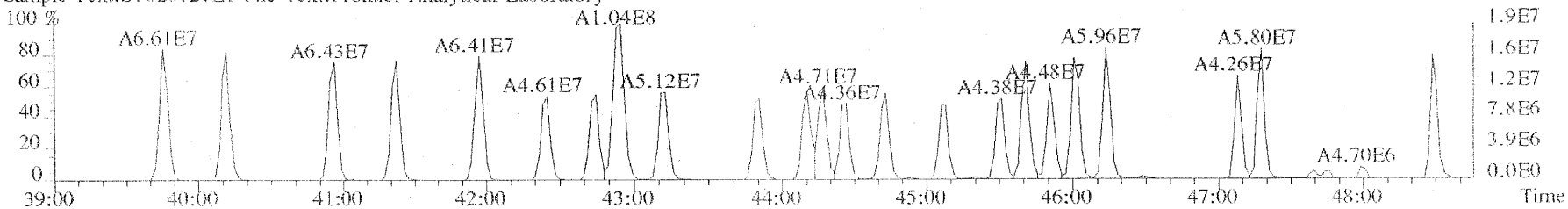
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



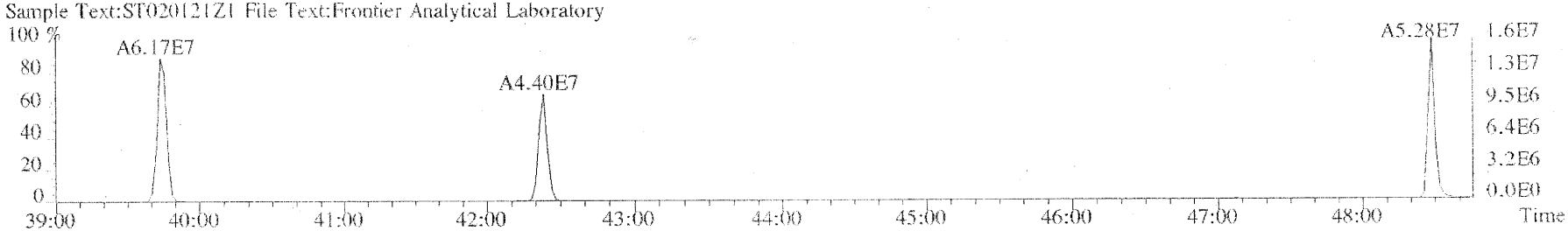
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



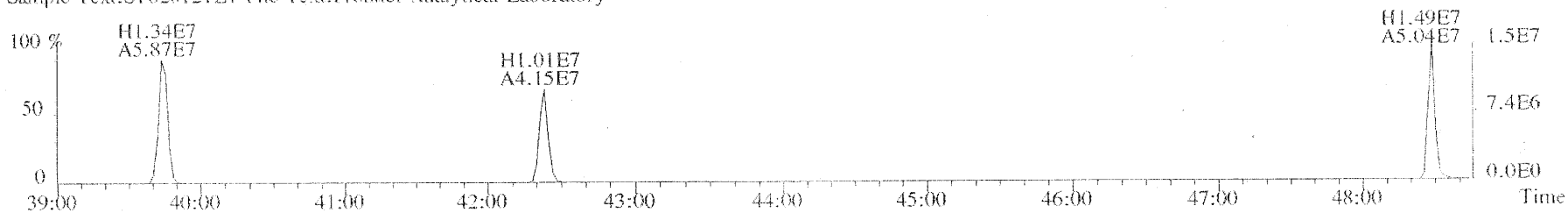
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



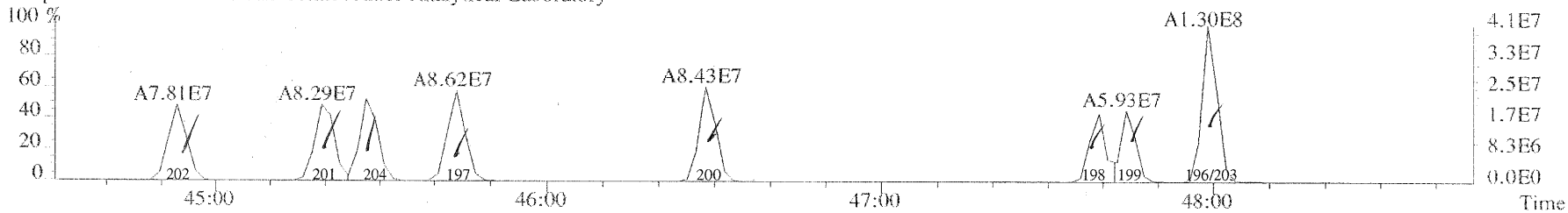
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



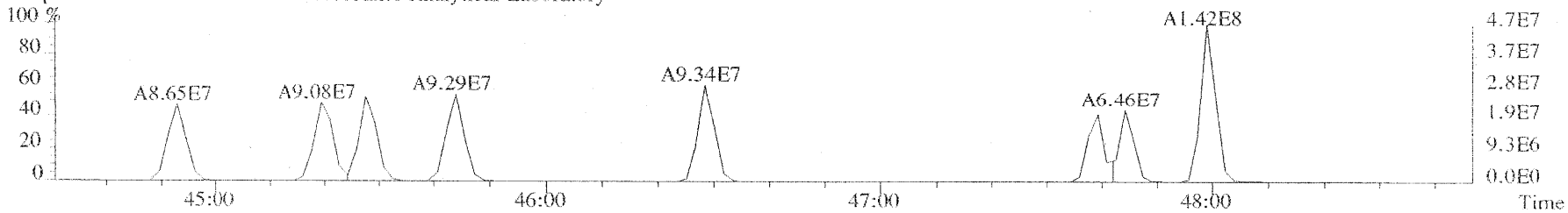
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



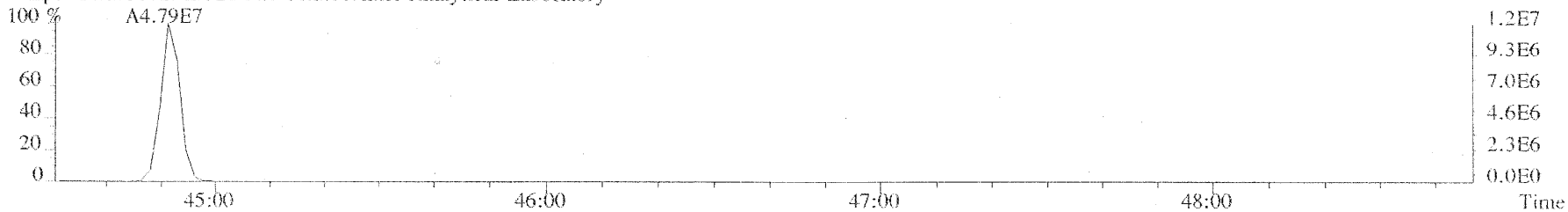
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



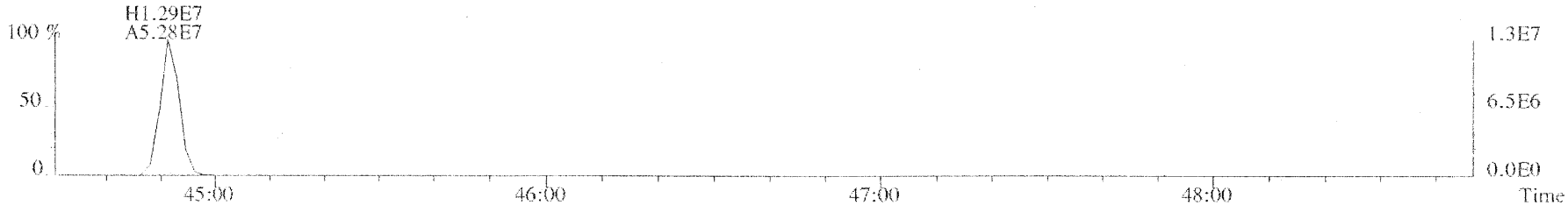
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



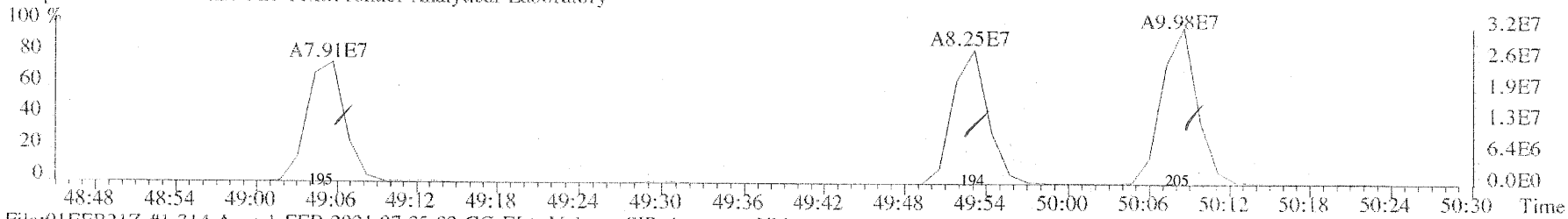
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



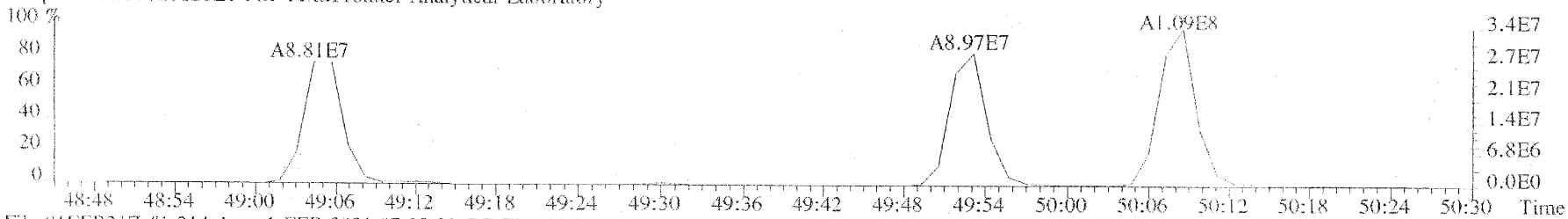
File:01FEB21Z #1-404 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



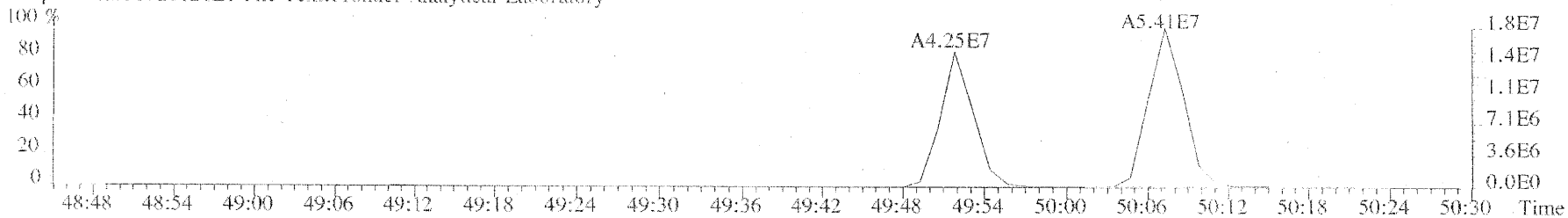
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



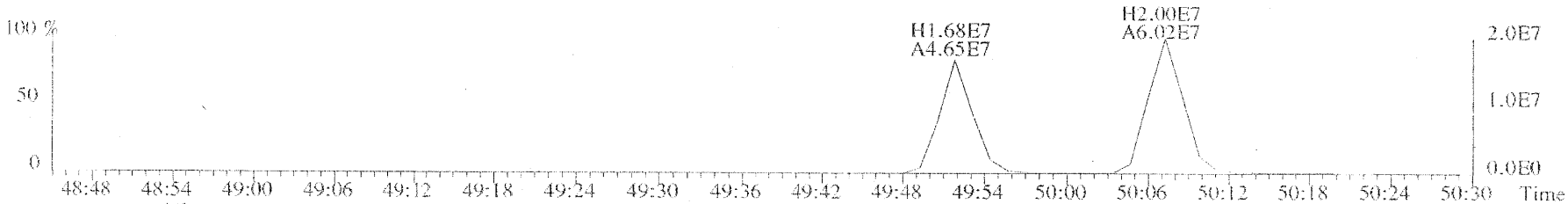
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



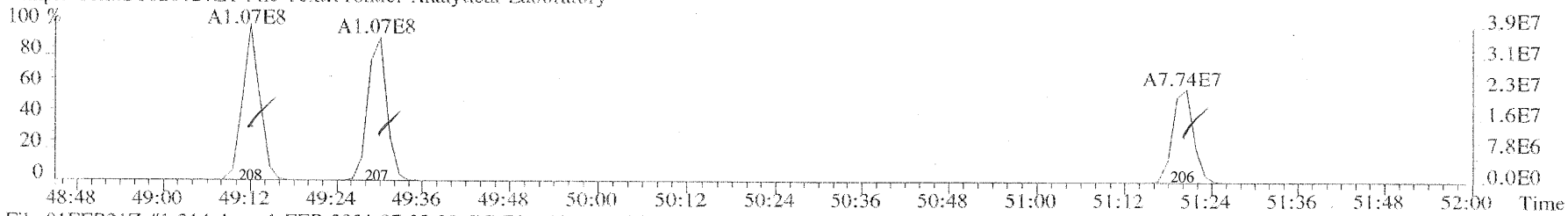
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



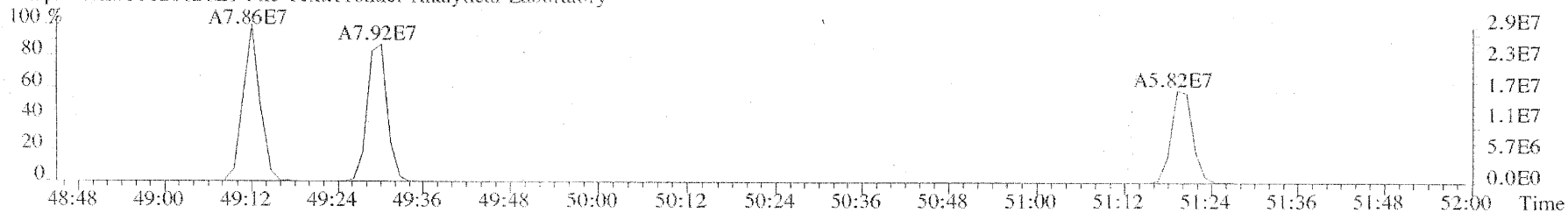
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



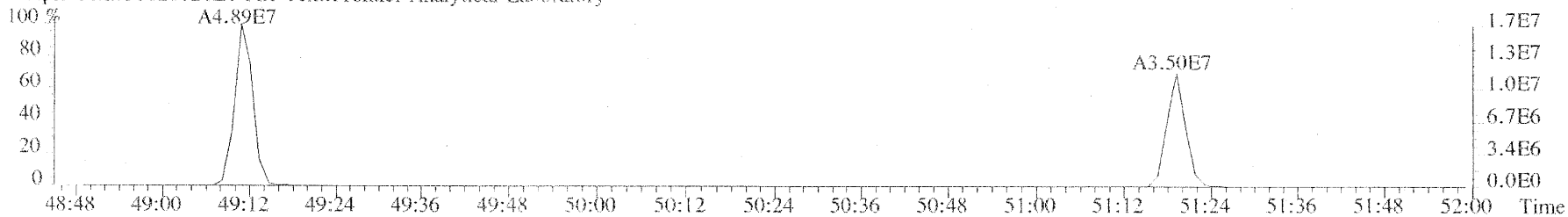
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



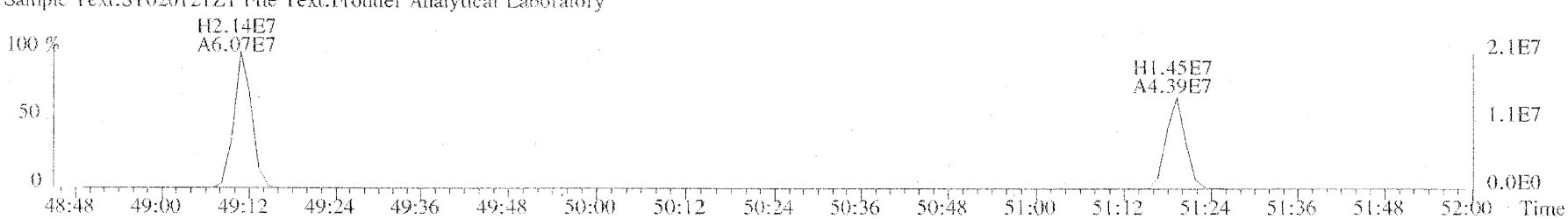
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



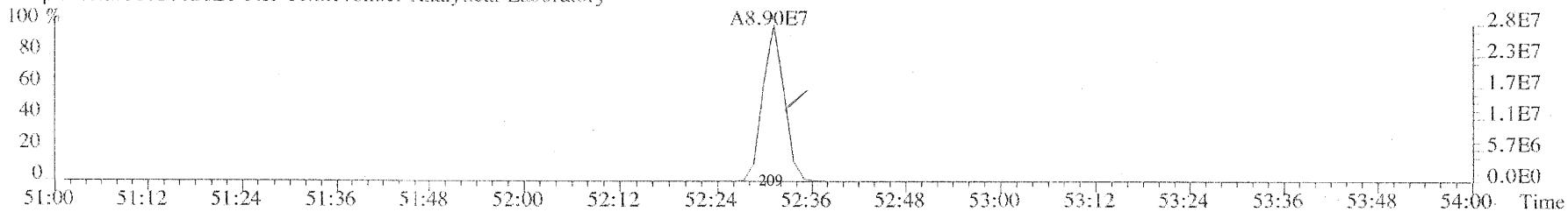
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



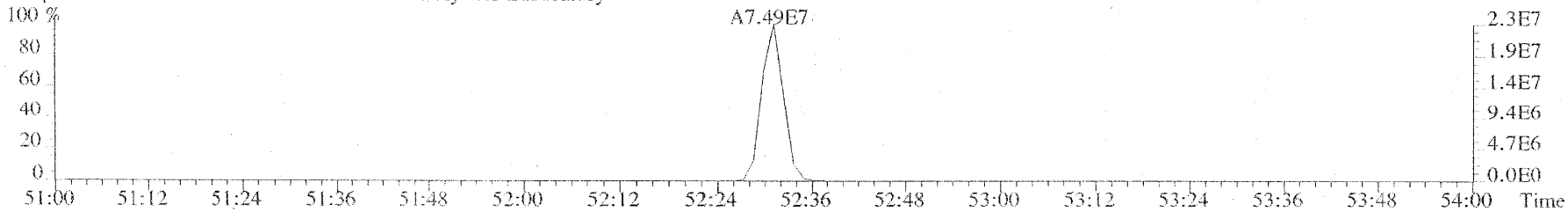
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



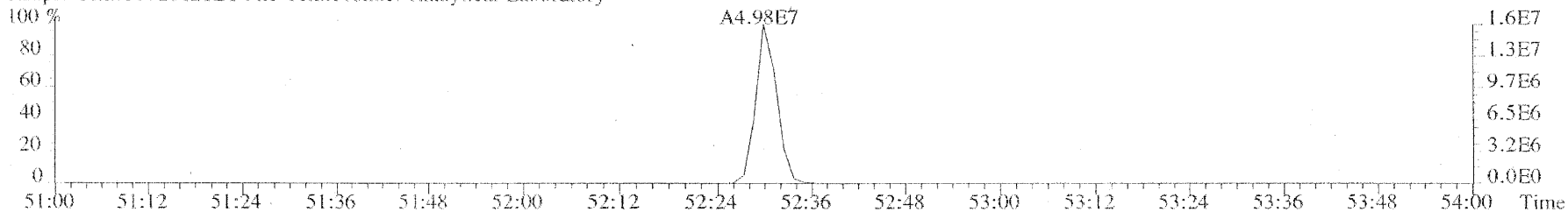
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



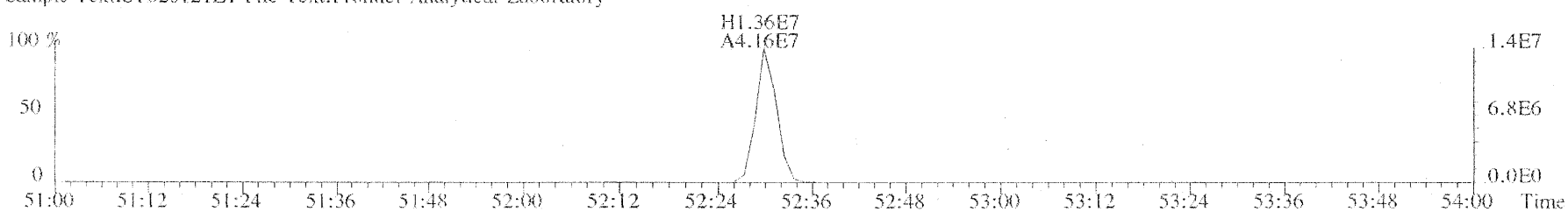
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



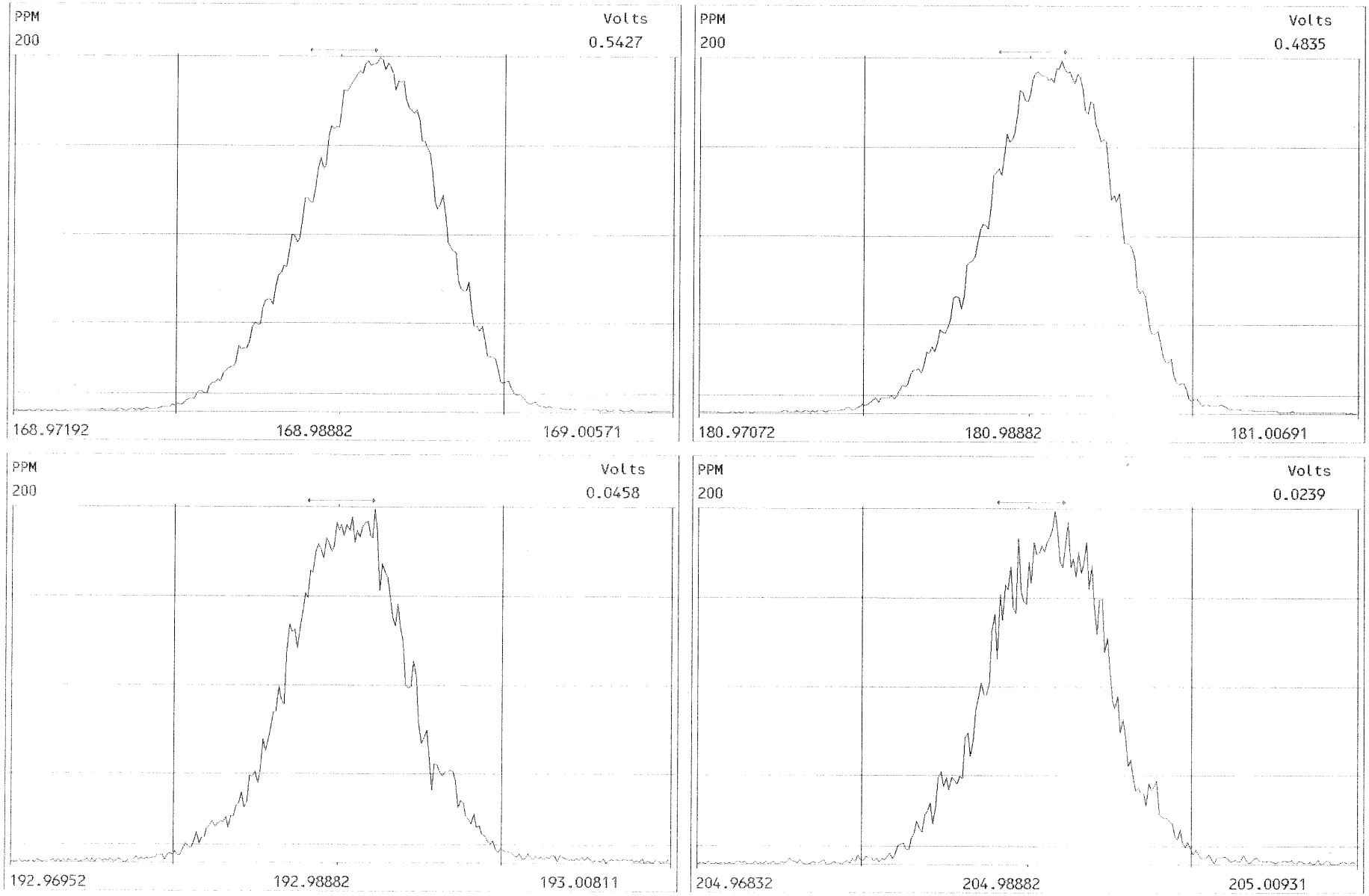
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



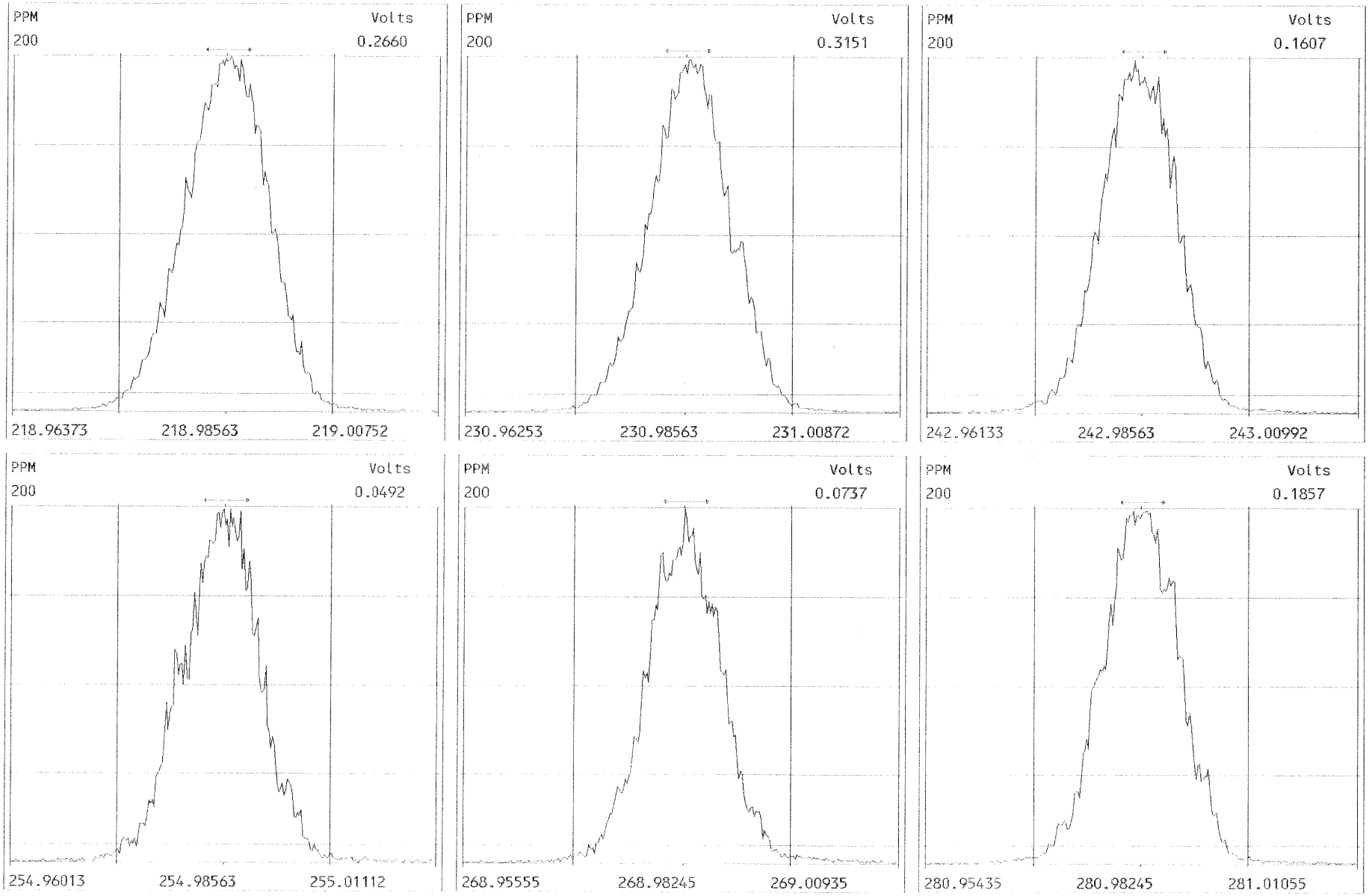
File:01FEB21Z #1-314 Acq: 1-FEB-2021 07:35:03 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z1 File Text:Frontier Analytical Laboratory



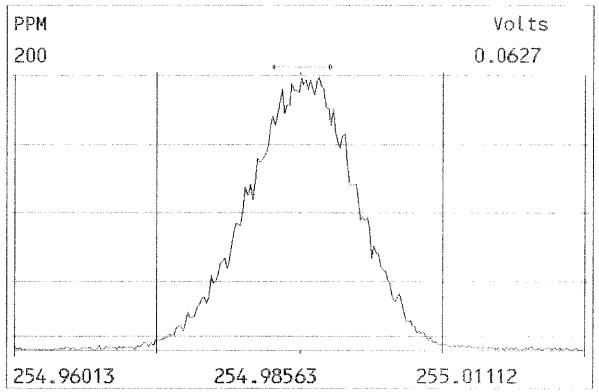
Peak Locate Examination: 1-FEB-2021:21:41 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

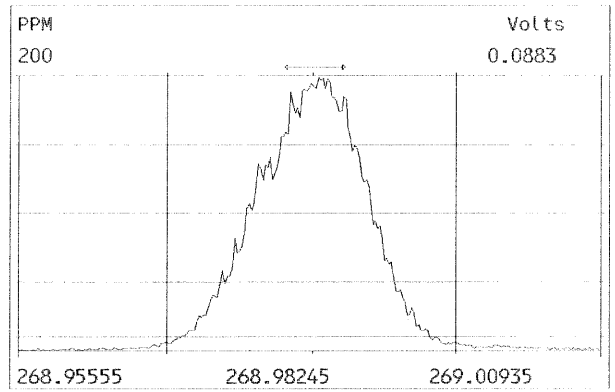


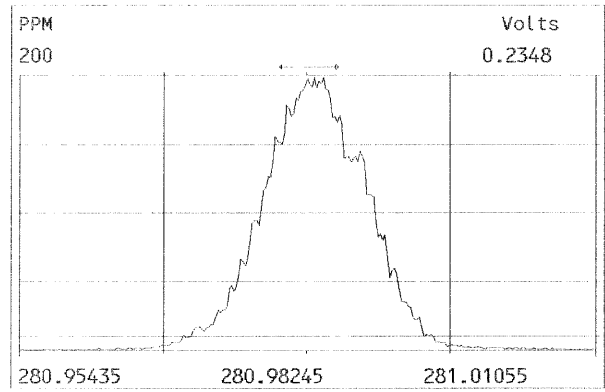
Peak Locate Examination: 1-FEB-2021:21:43 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

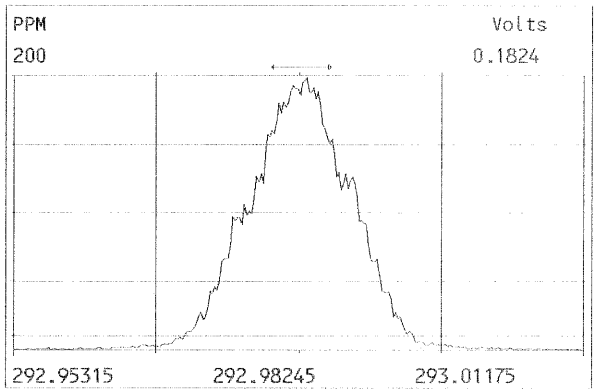


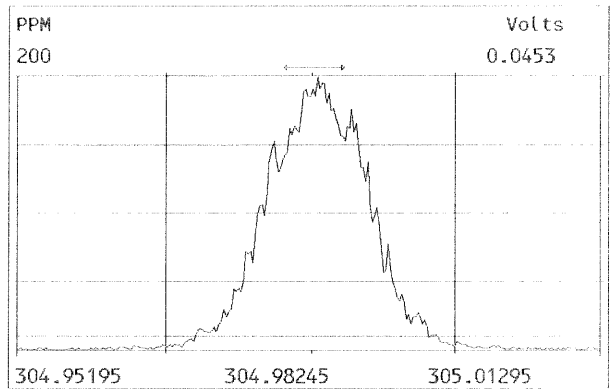
Peak Locate Examination: 1-FEB-2021:21:46 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

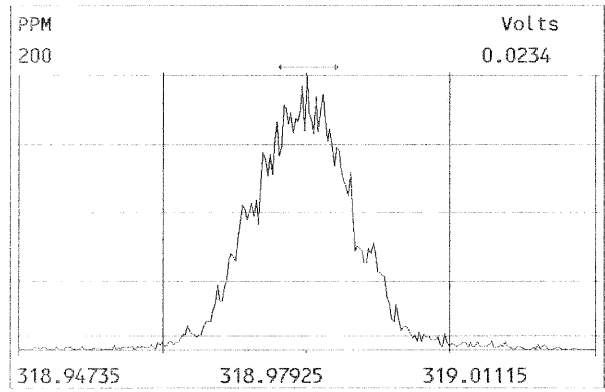


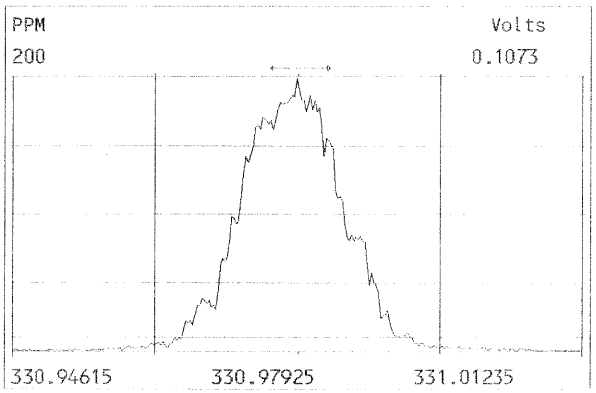


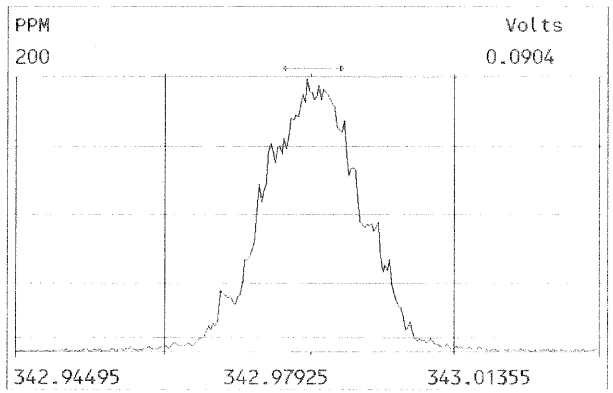






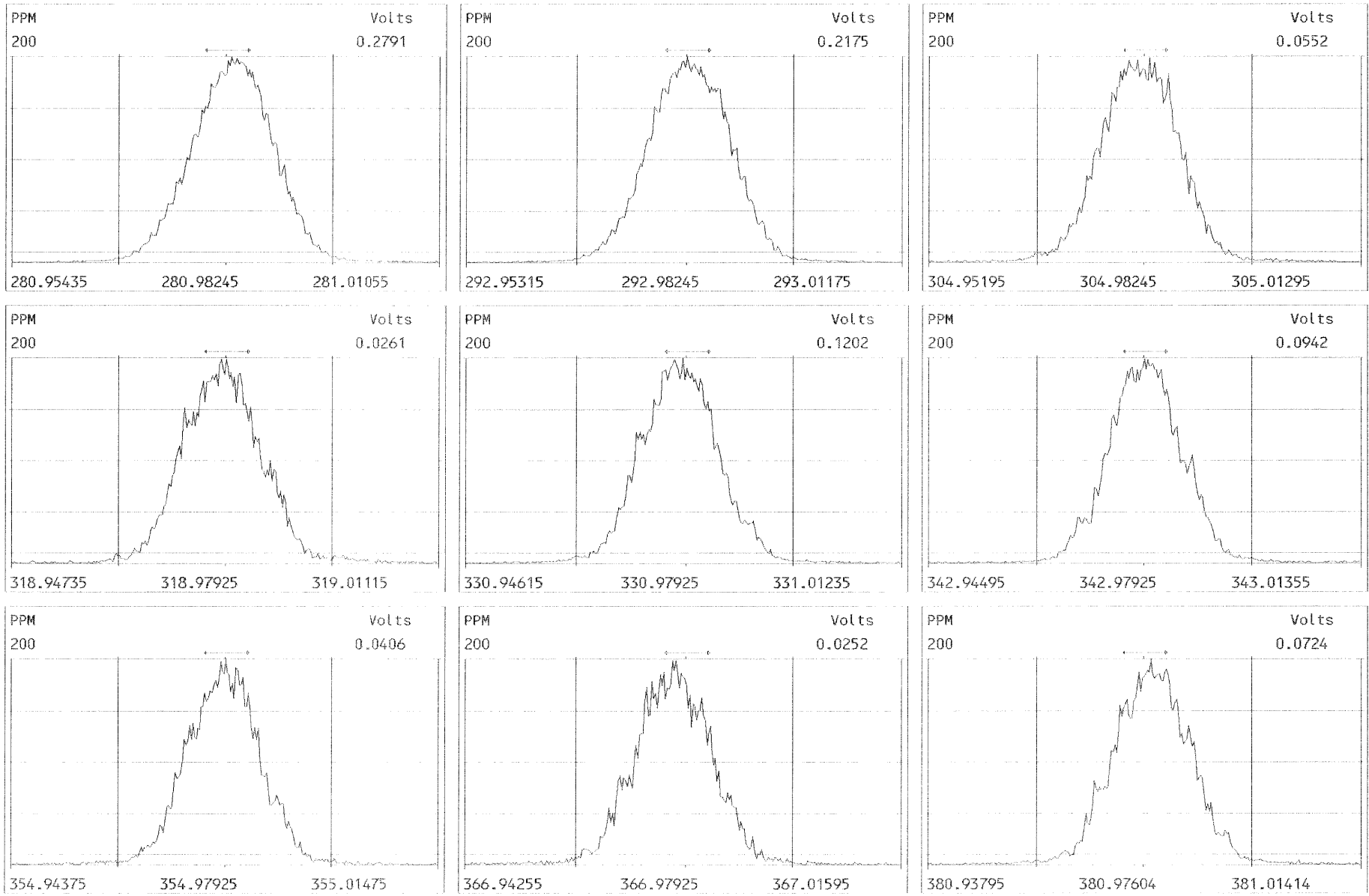






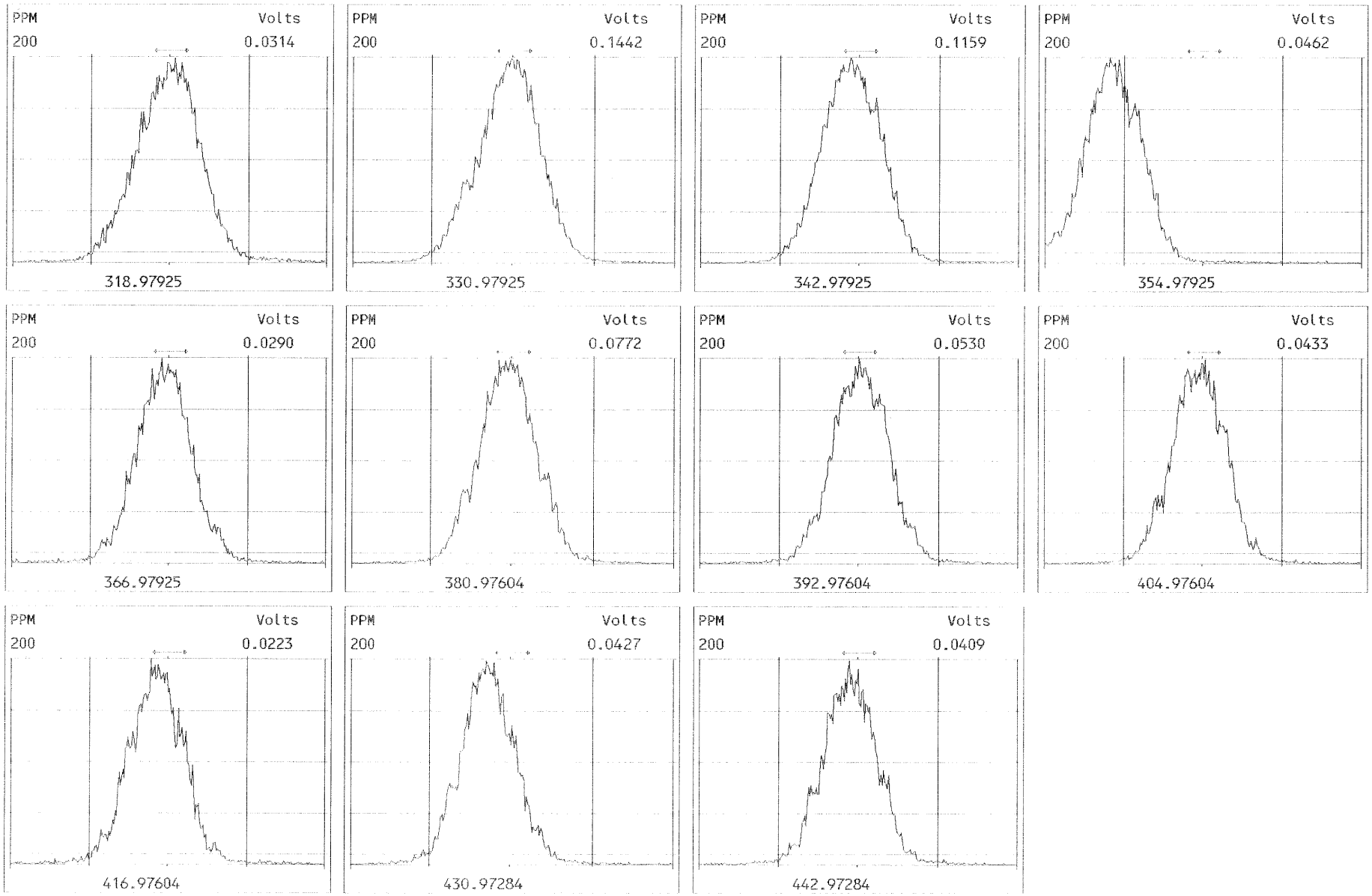
Peak Locate Examination: 1-FEB-2021:21:48 File:01FEB21Z_RES_CHECK

Experiment:1668PCB Function:4 Reference:PFK

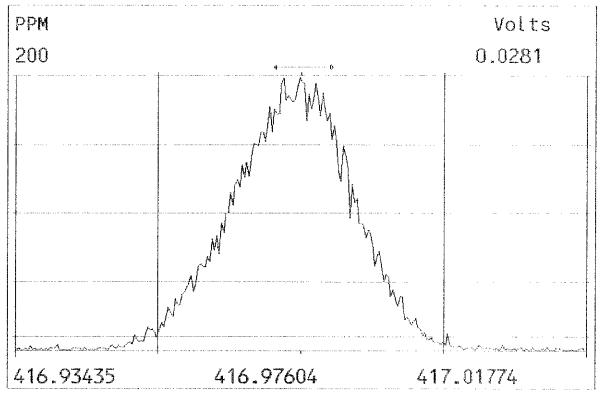


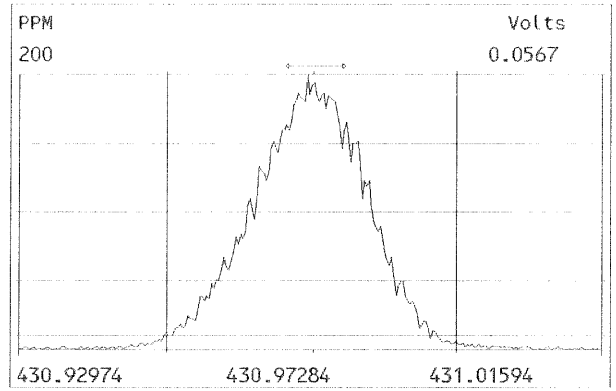
Peak Locate Examination: 1-FEB-2021:21:50 File:01FEB21Z_RES_CHECK

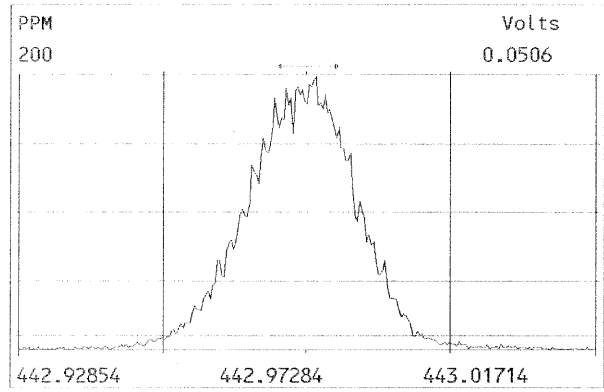
Experiment:1668PCB Function:5 Reference:PFK

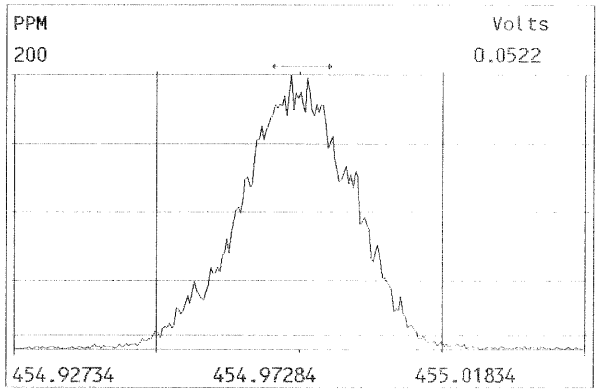


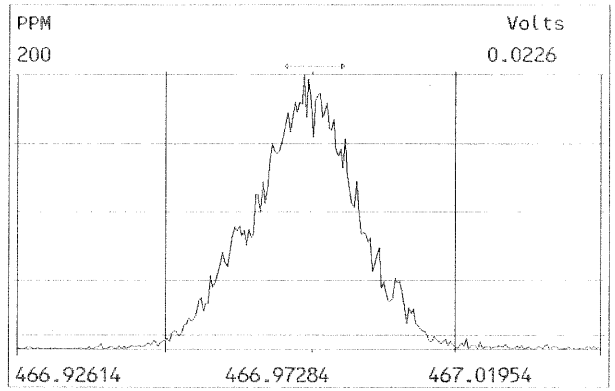
Peak Locate Examination: 1-FEB-2021:21:53 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

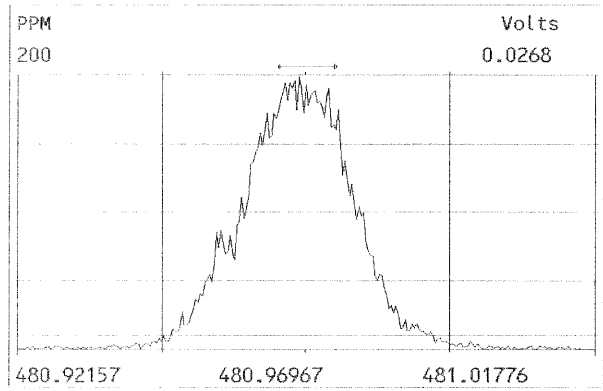


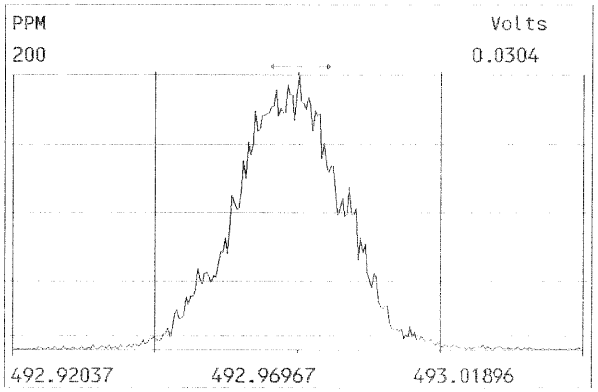


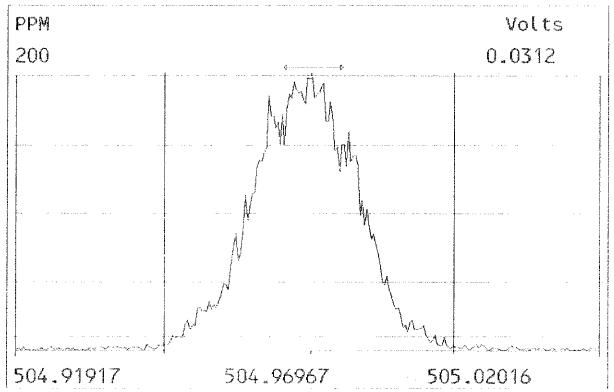


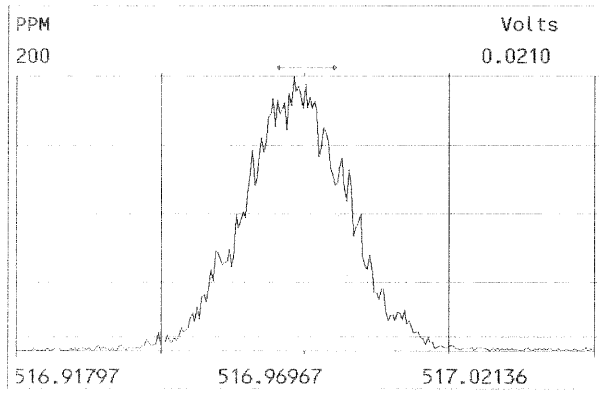












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:14 Analysis Date: 1-FEB-21 20:14:03

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	56.0	37.5 - 62.5
PCB-3	M/M+2	3.16	2.66-3.60	y	55.1	37.5 - 62.5
PCB-4	M/M+2	1.54	1.33-1.79	y	47.5	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	55.4	37.5 - 62.5
PCB-19	M/M+2	1.08	0.88-1.20	y	61.7	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	55.5	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	93.8	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	97.1	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	112	75.0 - 125
PCB-104	M+2/M+4	1.54	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.61	1.32-1.78	y	115	75.0 - 125
PCB-114	M+2/M+4	1.60	1.32-1.78	y	109	75.0 - 125
PCB-118	M+2/M+4	1.63	1.32-1.78	y	206	150 - 250
PCB-123	M+2/M+4	1.63	1.32-1.78	y	104	75.0 - 125
PCB-126	M+2/M+4	1.64	1.32-1.78	y	107	75.0 - 125
PCB-155	M+2/M+4	1.34	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	111	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	104	75.0 - 125
PCB-167	M+2/M+4	1.23	1.05-1.43	y	105	75.0 - 125
PCB-169	M+2/M+4	1.23	1.05-1.43	y	99.0	75.0 - 125
PCB-188	M+2/M+4	1.08	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.99	0.76-1.02	y	178	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	138	112.5 - 187.5
PCB-206	M+4/M+6	1.30	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	156	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	155	112.5 - 187.5

Analyst: [signature] Date: 2/2/21

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 01FEB21Z Sam:14 Analysis Date: 1-FEB-21 20:14:03

	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	3.28	2.66-3.60	y	88.2	50.0 - 145
13C-PCB-3	M/M+2	3.33	2.66-3.60	y	79.9	50.0 - 145
13C-PCB-4	M/M+2	1.58	1.33-1.79	y	97.2	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	90.7	50.0 - 145
13C-PCB-19	M/M+2	1.13	0.88-1.20	y	70.7	50.0 - 145
13C-PCB-37	M/M+2	1.03	0.88-1.20	y	64.2	50.0 - 145
13C-PCB-54	M/M+2	0.77	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.77	0.65-0.89	y	98.5	50.0 - 145
13C-PCB-81	M/M+2	0.77	0.65-0.89	y	98.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	114	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	93.9	50.0 - 145
13C-PCB-114	M+2/M+4	1.58	1.32-1.78	y	91.9	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	87.8	50.0 - 145
13C-PCB-126	M+2/M+4	1.53	1.32-1.78	y	89.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.42	1.05-1.43	y	71.3	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	89.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	92.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	93.5	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	90.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	88.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	90.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.96	0.76-1.02	y	57.2	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	101	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	105	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	102	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	76.8	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	100	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	94.0	75.0 - 125

Analyst: [illegible] Date: 2/2/21

FAL ID: ST020121Z2 Filename: 01FEB21Z Sam:14 Acquired: 1-FEB-21 20:14:03 ICal: 1668PCBFAL4-12-2-20
Client ID: CS209 210115A ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.22e+08	3.20 y	14:32	1.19	56.0		2.50	-	-	*	-
13C-PCB-1	1.83e+08	3.28 y	14:31	1.01	88.2		2.50				88.2
PCB-3	1.13e+08	3.16 y	16:58	1.22	55.1		2.50	-	-	*	-
13C-PCB-3	1.68e+08	3.33 y	16:57	1.02	79.9		2.50				79.9
PCB-4	8.20e+07	1.54 y	18:13	1.20	47.5		2.50	-	-	*	-
13C-PCB-4	1.43e+08	1.58 y	18:12	0.72	97.2		2.50				97.2
PCB-15	1.26e+08	1.53 y	23:45	1.17	55.4		2.50	-	-	*	-
13C-PCB-15	1.94e+08	1.58 y	23:44	1.04	90.7		2.50				90.7
PCB-19	6.06e+07	1.08 y	22:06	1.23	61.7		2.50	-	-	*	-
13C-PCB-19	8.02e+07	1.13 y	22:05	0.55	70.7		2.50				70.7
13C-PCB-9	2.05e+08	1.61 y	19:52	-	191		2.50				
PCB-37	6.44e+07	1.13 y	30:25	1.17	55.5		2.50	-	-	*	-
13C-PCB-37	9.88e+07	1.03 y	30:23	1.64	64.2		2.50				64.2
PCB-54	1.48e+08	0.76 y	25:39	1.23	93.8		2.50	-	-	*	-
13C-PCB-54	1.28e+08	0.77 y	25:36	1.33	102		2.50				102
PCB-104	1.35e+08	1.54 y	30:05	1.12	103		2.50	-	-	*	-
13C-PCB-104	1.16e+08	1.58 y	30:03	1.09	114		2.50				114
13C-PCB-28	1.26e+08	1.04 y	26:42	1.74	76.8		2.50				76.8
13C-PCB-52	9.41e+07	0.76 y	28:58	-	171		2.50				
PCB-81	1.85e+08	0.82 y	36:12	1.20	112		2.50	-	-	*	-
13C-PCB-81	1.37e+08	0.77 y	36:10	1.50	98.0		2.50				98.0
PCB-77	1.58e+08	0.83 y	36:45	1.15	97.1		2.50	-	-	*	-
13C-PCB-77	1.41e+08	0.77 y	36:44	1.54	98.5		2.50				98.5
PCB-155	1.07e+08	1.34 y	34:15	1.07	112		2.50	-	-	*	-
13C-PCB-155	8.99e+07	1.42 y	34:13	1.35	71.3		2.50				71.3
13C-PCB-111	1.19e+08	1.62 y	36:18	1.27	100		2.50				100
13C-PCB-101	9.31e+07	1.61 y	34:40	-	198		2.50				
PCB-123	1.37e+08	1.63 y	38:23	1.14	104		2.50	-	-	*	-
13C-PCB-123	1.16e+08	1.58 y	38:21	1.34	87.8		2.50				87.8
PCB-118	3.17e+08	1.63 y	38:34	1.15	206		2.50	-	-	*	-
13C-PCB-118	1.34e+08	1.59 y	38:31	1.44	95.0		2.50				95.0
PCB-114	1.55e+08	1.60 y	39:10	1.13	109		2.50	-	-	*	-
13C-PCB-114	1.25e+08	1.58 y	39:09	1.39	91.9		2.50				91.9
PCB-105	1.63e+08	1.61 y	39:60	1.12	115		2.50	-	-	*	-
13C-PCB-105	1.26e+08	1.59 y	39:58	1.38	93.9		2.50				93.9
PCB-126	1.40e+08	1.64 y	42:07	1.12	107		2.50	-	-	*	-
13C-PCB-126	1.16e+08	1.53 y	42:07	1.33	89.5		2.50				89.5
PCB-167	1.35e+08	1.23 y	43:29	1.14	105		2.50	-	-	*	-
13C-PCB-167	1.13e+08	1.29 y	43:27	1.23	93.5		2.50				93.5
PCB-156	1.38e+08	1.25 y	44:43	1.16	111		2.50	-	-	*	-
13C-PCB-156	1.07e+08	1.28 y	44:41	1.22	89.8		2.50				89.8
PCB-157	1.36e+08	1.24 y	44:58	1.15	104		2.50	-	-	*	-
13C-PCB-157	1.14e+08	1.28 y	44:58	1.26	92.5		2.50				92.5
PCB-169	1.21e+08	1.23 y	46:50	1.13	99.0		2.50	-	-	*	-
13C-PCB-169	1.08e+08	1.26 y	46:50	1.22	90.7		2.50				90.7
PCB-188	1.21e+08	1.08 y	39:45	1.12	103		2.50	-	-	*	-
13C-PCB-188	1.05e+08	1.07 y	39:43	1.21	88.9		2.50				88.9
PCB-189	1.07e+08	1.06 y	48:30	1.10	101		2.50	-	-	*	-
13C-PCB-189	9.62e+07	1.08 y	48:28	1.08	90.8		2.50				90.8
PCB-202	1.16e+08	0.99 y	44:53	1.06	178		2.50	-	-	*	-
13C-PCB-202	6.17e+07	0.96 y	44:51	1.10	57.2		2.50				57.2
13C-PCB-178	7.88e+07	1.09 y	42:23	0.86	94.0		2.50				94.0
13C-PCB-138	9.79e+07	1.28 y	41:35	-	210		2.50				

Client ID: CS209 210115A ConCal: ST020121Z1 EndCal: ST020121Z2
Results: 01FEB21Z GC Column: DB1MS Amount: 1.000

PCB-205	1.58e+08	0.93	y	50:08	1.22	138	2.50	-	-	*	-
13C-PCB-205	9.40e+07	0.87	y	50:07	1.31	101	2.50				101
PCB-208	1.72e+08	1.33	y	49:12	1.04	156	2.50	-	-	*	-
13C-PCB-208	1.06e+08	0.79	y	49:11	1.42	105	2.50				105
PCB-206	1.24e+08	1.30	y	51:20	1.05	159	2.50	-	-	*	-
13C-PCB-206	7.40e+07	0.80	y	51:19	1.03	101	2.50				101
PCB-209	1.59e+08	1.19	y	52:31	1.15	155	2.50	-	-	*	-
13C-PCB-209	8.93e+07	1.20	y	52:31	1.23	102	2.50				102
13C-PCB-194	7.15e+07	0.90	y	49:52	-	204	2.50				

Analyst: _____ Date: 2/8/21

Frontier Analytical Laboratory - Acquisition Log

Run Name:01FEB21Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

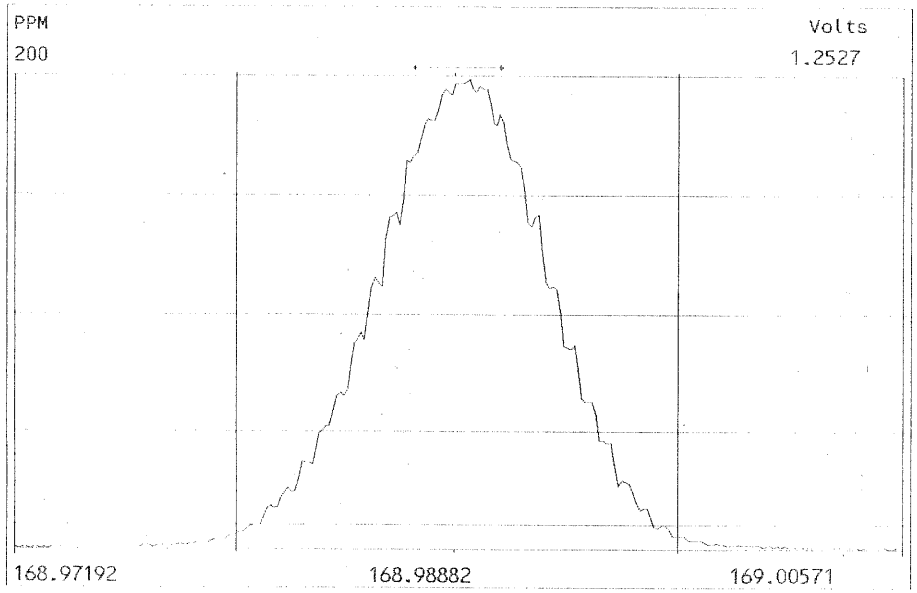
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
01FEB21Z	1	ST020121Z1	CS209 210115A	1-FEB-21 07:35:03	ST020121Z1	ST020121Z2	BS
01FEB21Z	2	05602-001-0001-OPR	OPR	1-FEB-21 08:33:23	ST020121Z1	ST020121Z2	BS
01FEB21Z	3	05602-001-0001-MB	Method Blank	1-FEB-21 09:31:45	ST020121Z1	ST020121Z2	BS
01FEB21Z	4	13559-001-0001-SA	LDW-Y3-LBS-SU-ENR-A-CORE	1-FEB-21 10:30:06	ST020121Z1	ST020121Z2	BS
01FEB21Z	5	13559-002-0001-SA	LDW-Y3-LBS-SU-ENR-B-CORE	1-FEB-21 11:28:27	ST020121Z1	ST020121Z2	BS
01FEB21Z	6	13559-003-0001-SA	LDW-Y3-LBS-SU-ENR-C-CORE	1-FEB-21 12:26:48	ST020121Z1	ST020121Z2	BS
01FEB21Z	7	13559-004-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CORE	1-FEB-21 13:25:09	ST020121Z1	ST020121Z2	BS
01FEB21Z	8	13559-005-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CORE	1-FEB-21 14:23:30	ST020121Z1	ST020121Z2	BS
01FEB21Z	9	13559-006-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CORE	1-FEB-21 15:21:52	ST020121Z1	ST020121Z2	BS
01FEB21Z	10	SB020121Z1	Solvent Blank	1-FEB-21 16:20:38	ST020121Z1	ST020121Z2	BS
01FEB21Z	11	QC020121Z1	QC210127A	1-FEB-21 17:18:59	ST020121Z1	ST020121Z2	BS
01FEB21Z	12	QC020121Z2	QC210127B	1-FEB-21 18:17:21	ST020121Z1	ST020121Z2	BS
01FEB21Z	13	SB020121Z2	Solvent Blank	1-FEB-21 19:15:42	ST020121Z1	ST020121Z2	BS
01FEB21Z	14	ST020121Z2	CS209 210115A	1-FEB-21 20:14:03	ST020121Z1	ST020121Z2	BS

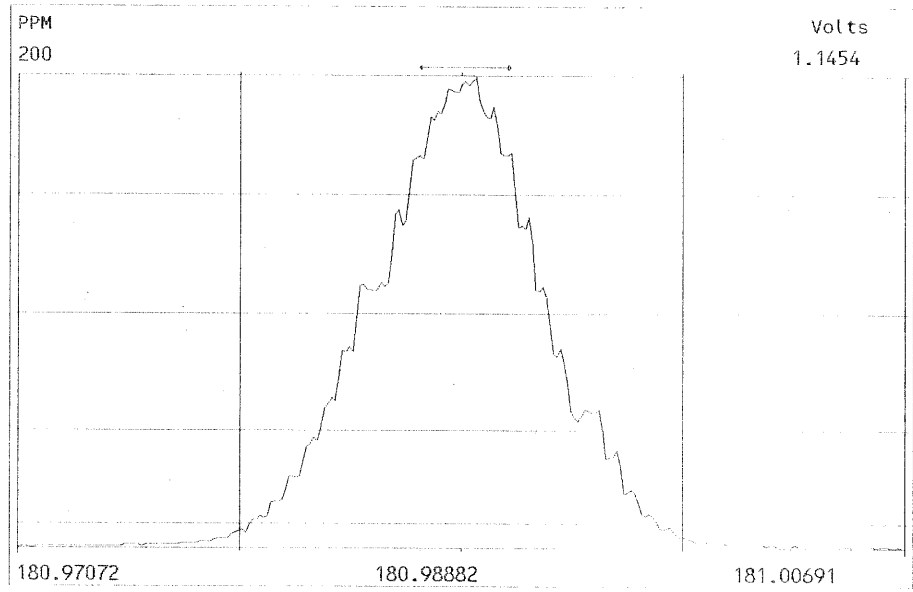
BAD INJECTION - RI on 2/2/21
KS 2/2/21

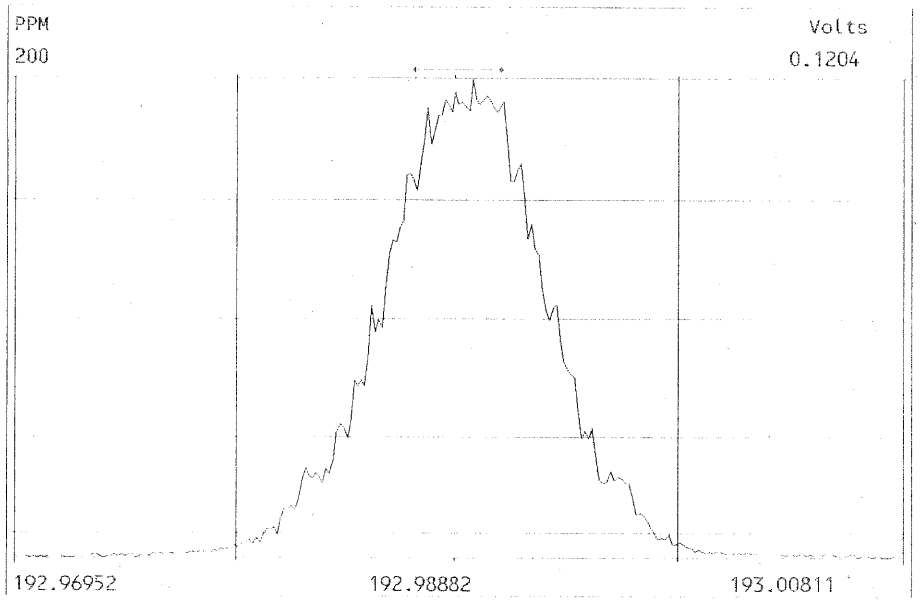
Data Backed Up:_____

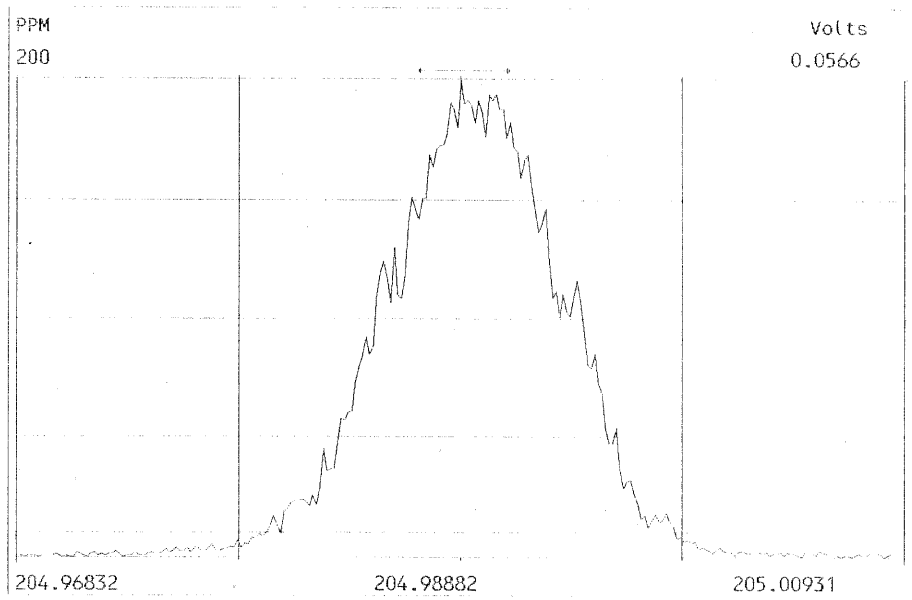
Date:_____

Peak Locate Examination: 1-FEB-2021:07:32 File:01FEB21Z
Experiment:1668PCB Function:1 Reference:PFK









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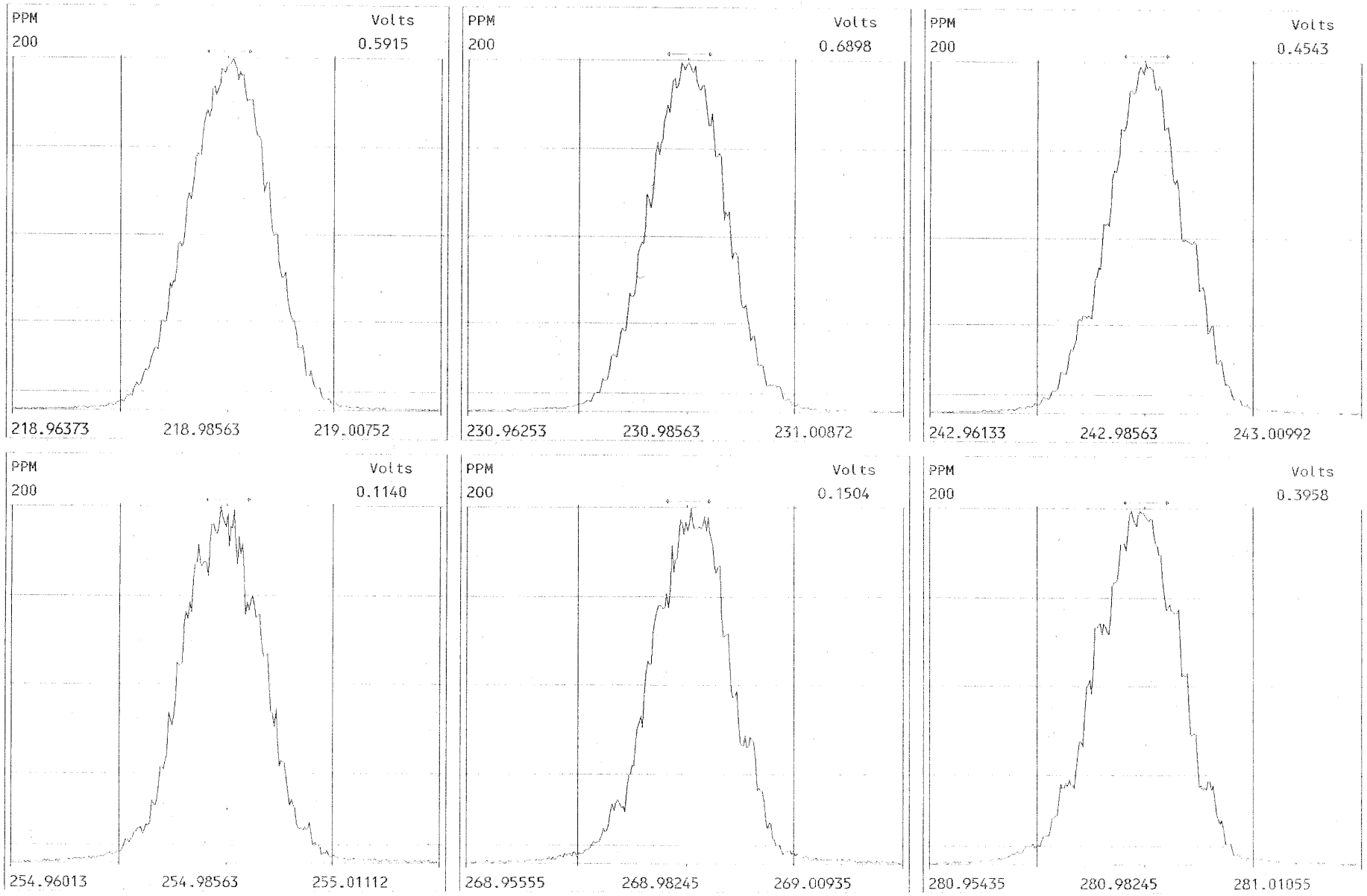
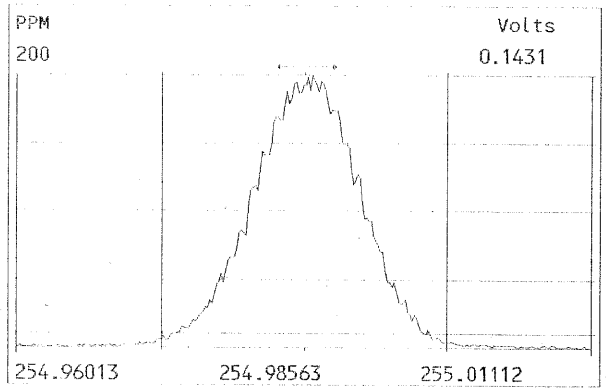
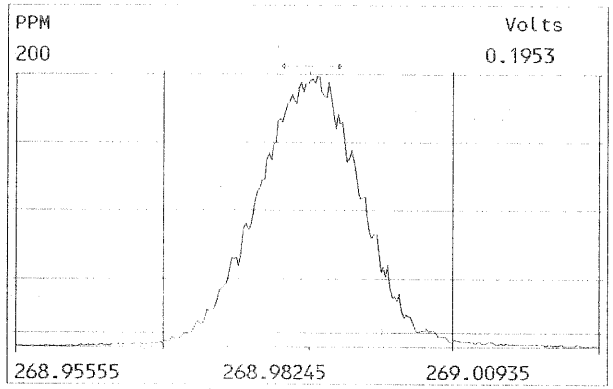
Experiment:1668PCB Function:2 Reference:PFK

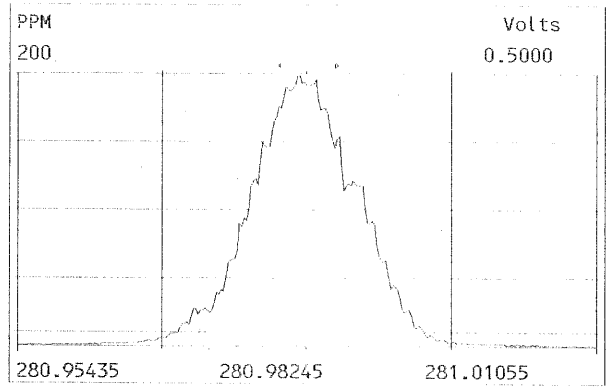


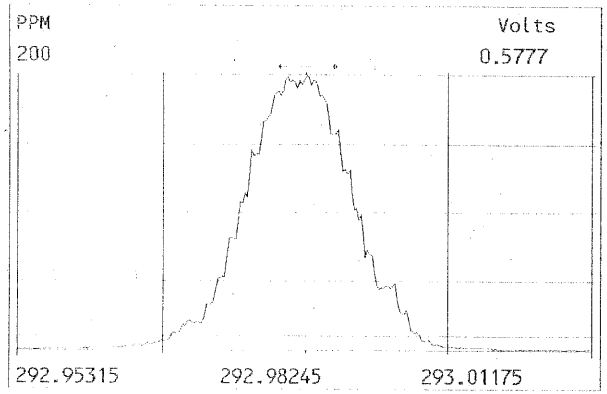
Peak Locate Examination: 1-FEB-2021:07:32 File:01FEB21Z

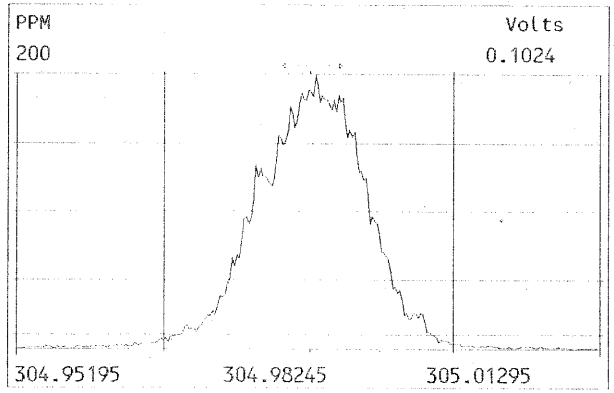
Experiment:1668PCB Function:3 Reference:PFK

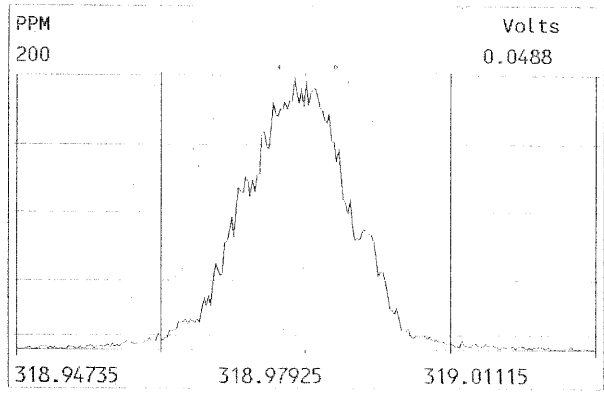


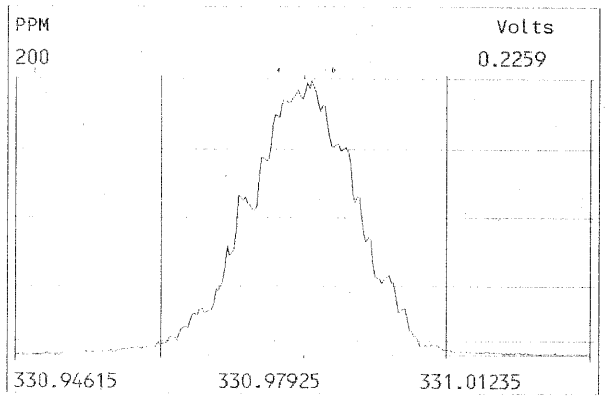


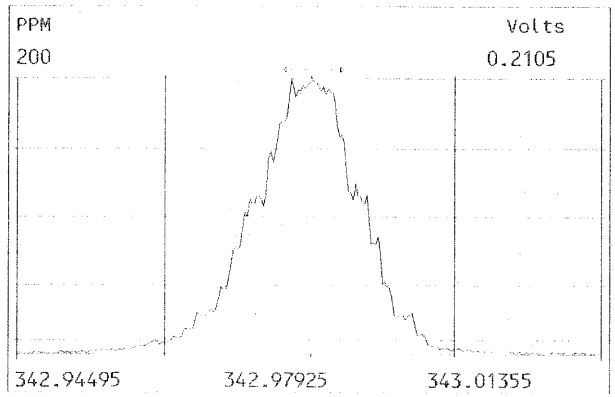












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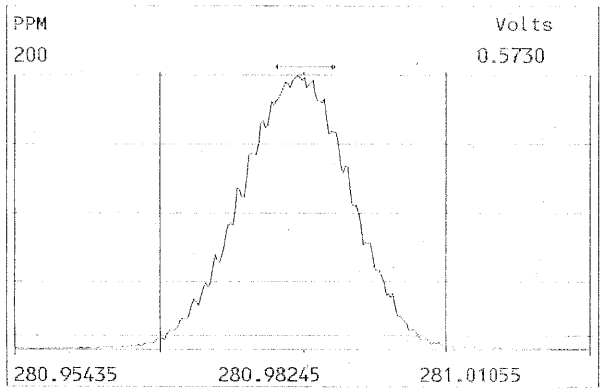
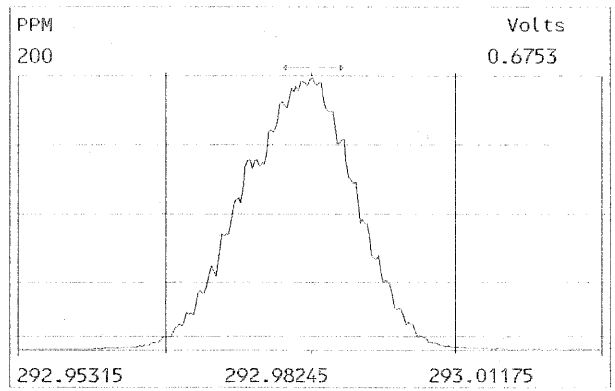
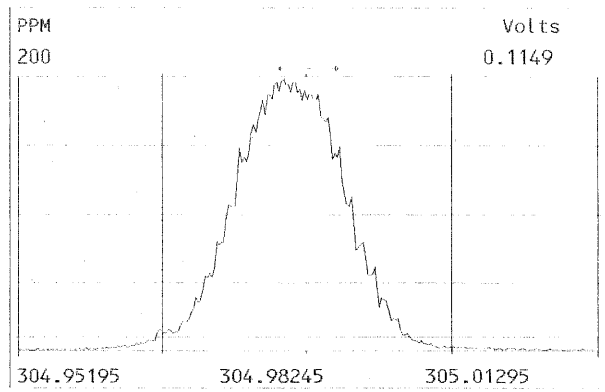
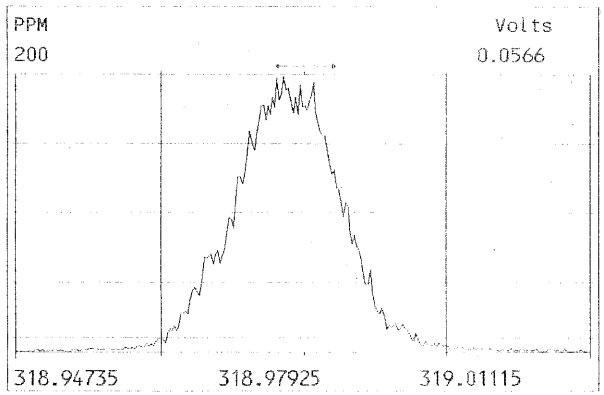
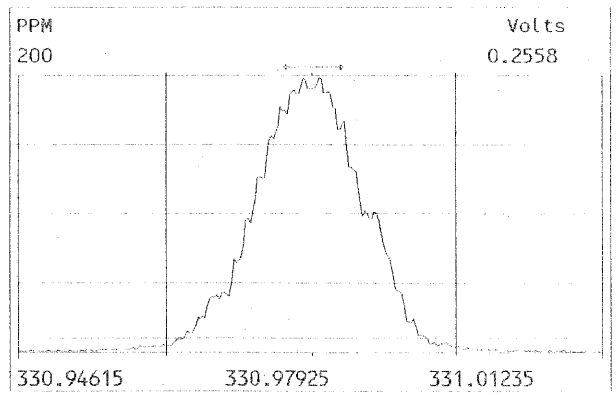
Experiment:1668PCB Function:4 Reference:PFK

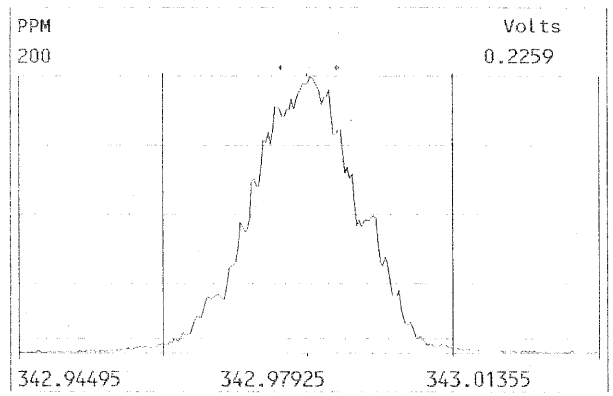


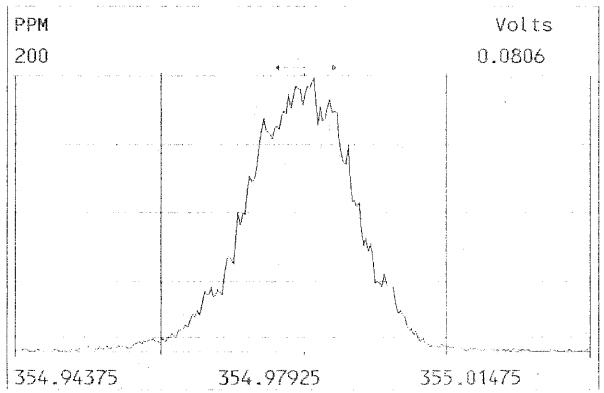


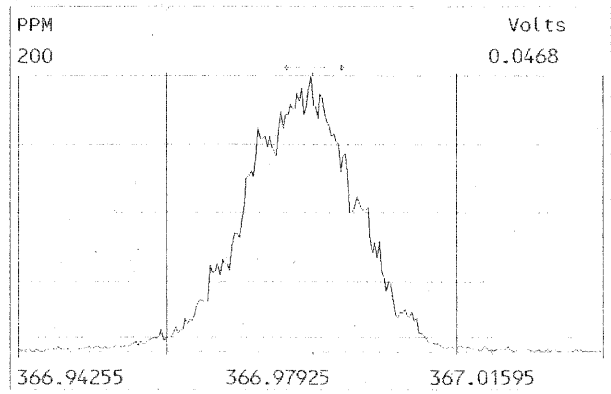


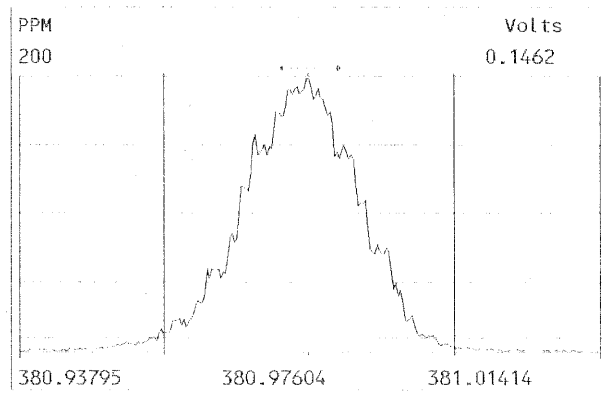






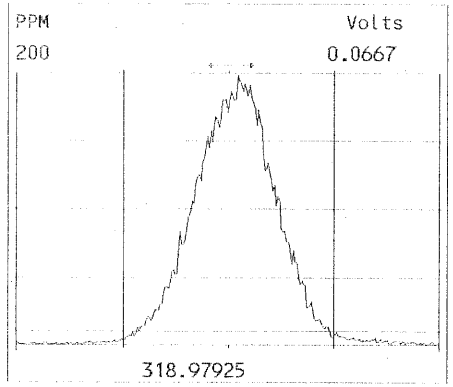


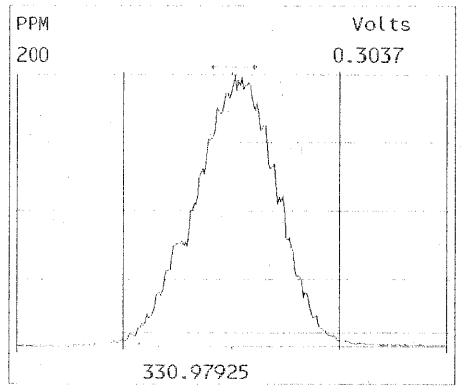


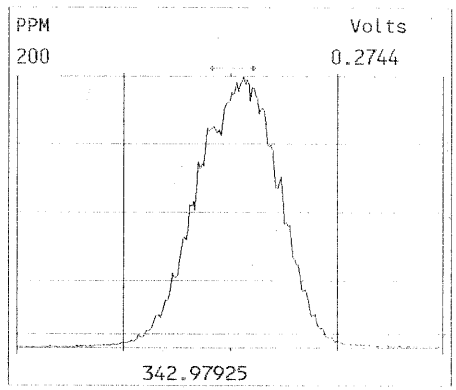


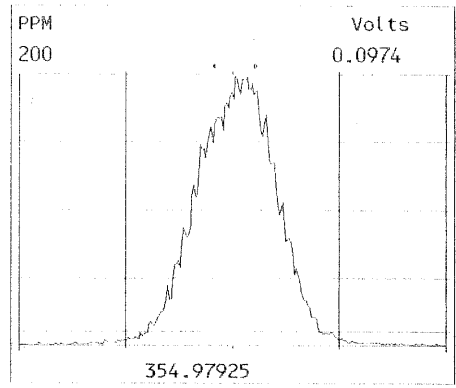
Peak Locate Examination: 1-FEB-2021:07:33 File:01FEB21Z

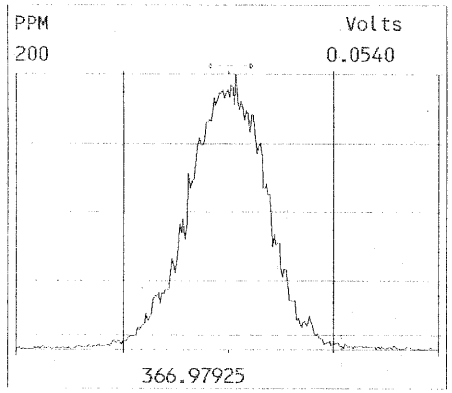
Experiment:1668PCB Function:5 Reference:PFK

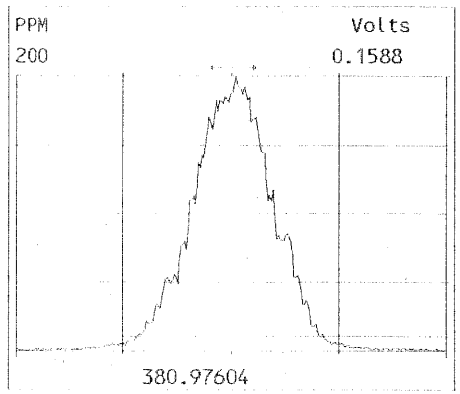


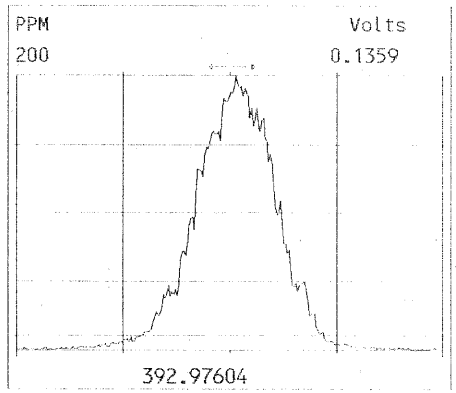


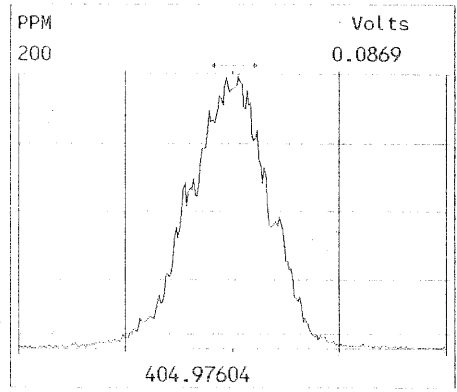


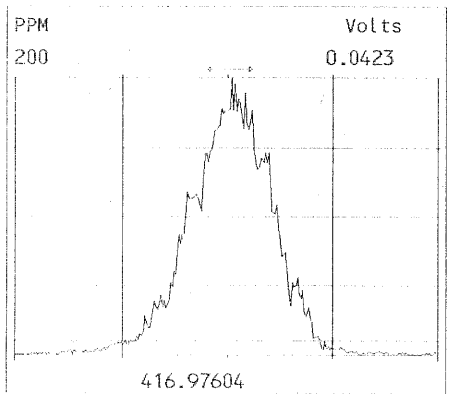


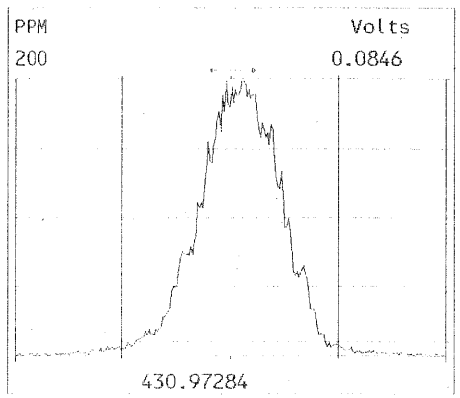


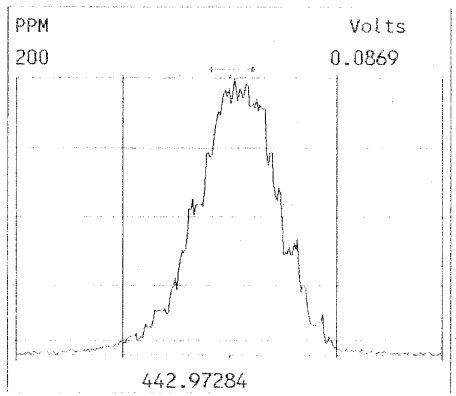




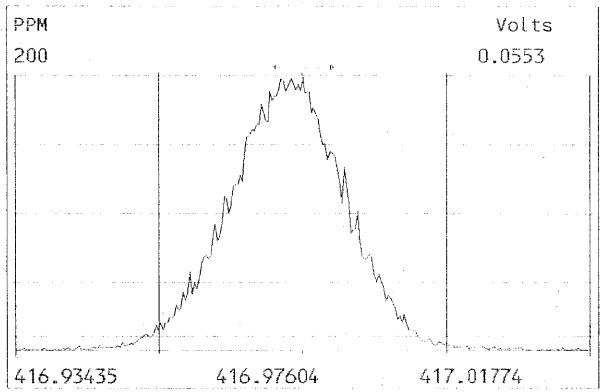


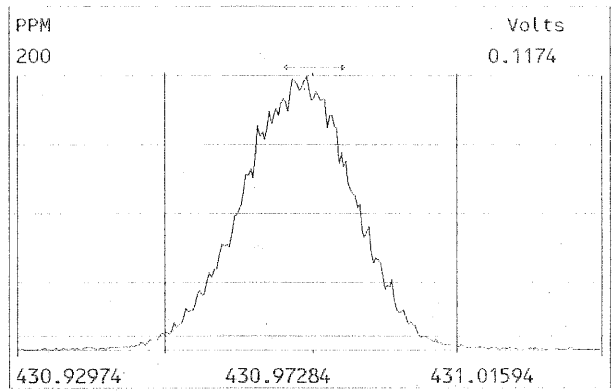


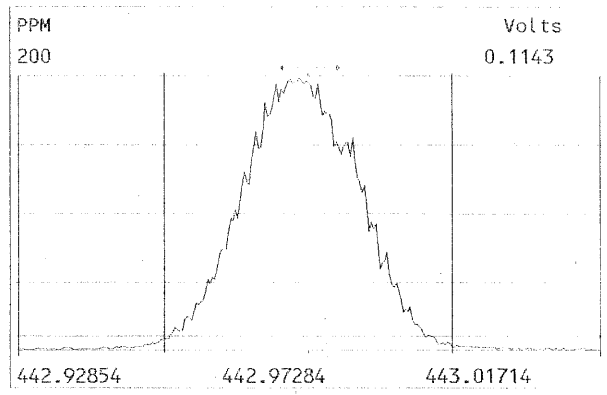


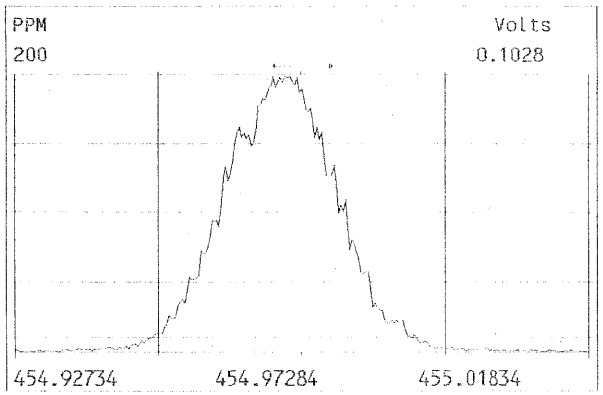


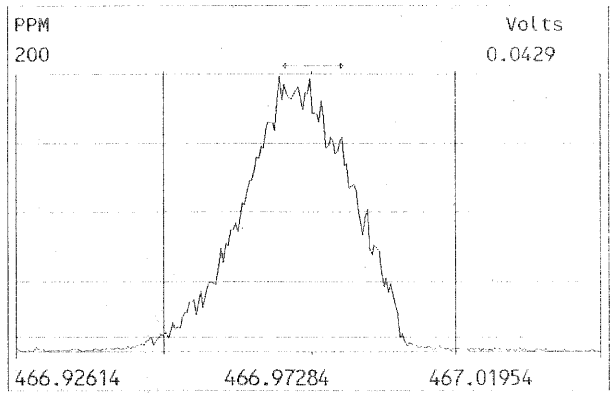
Peak Locate Examination: 1-FEB-2021:07:34 File:01FEB21Z
Experiment:1668PCB Function:6 Reference:PFK

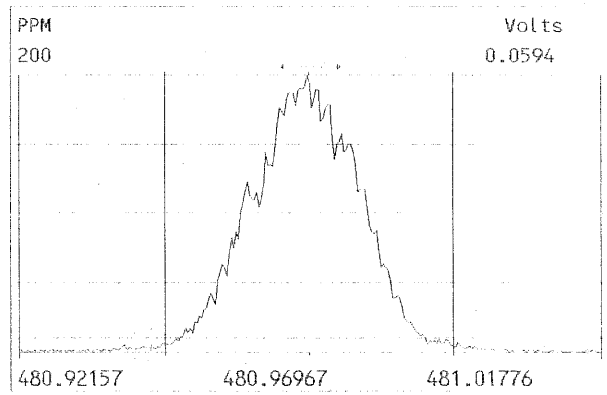


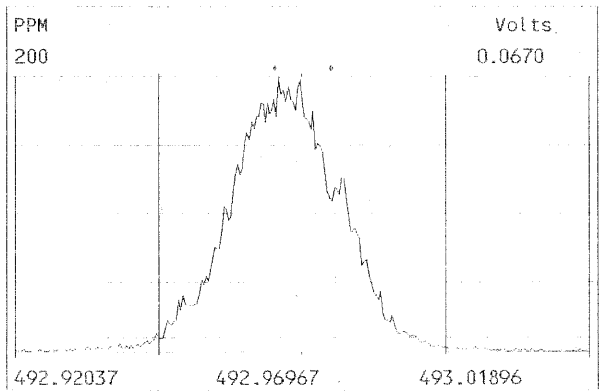


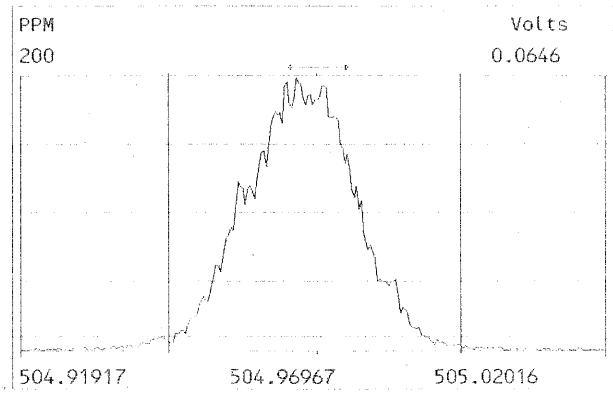


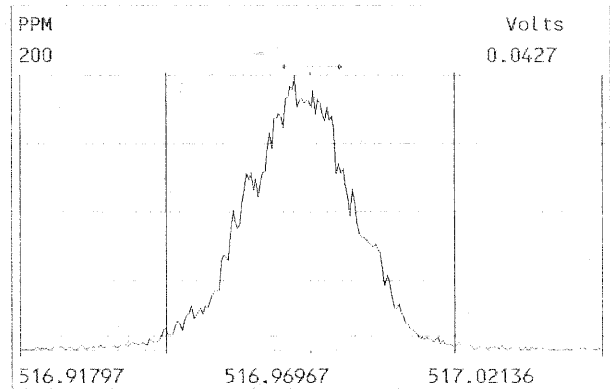




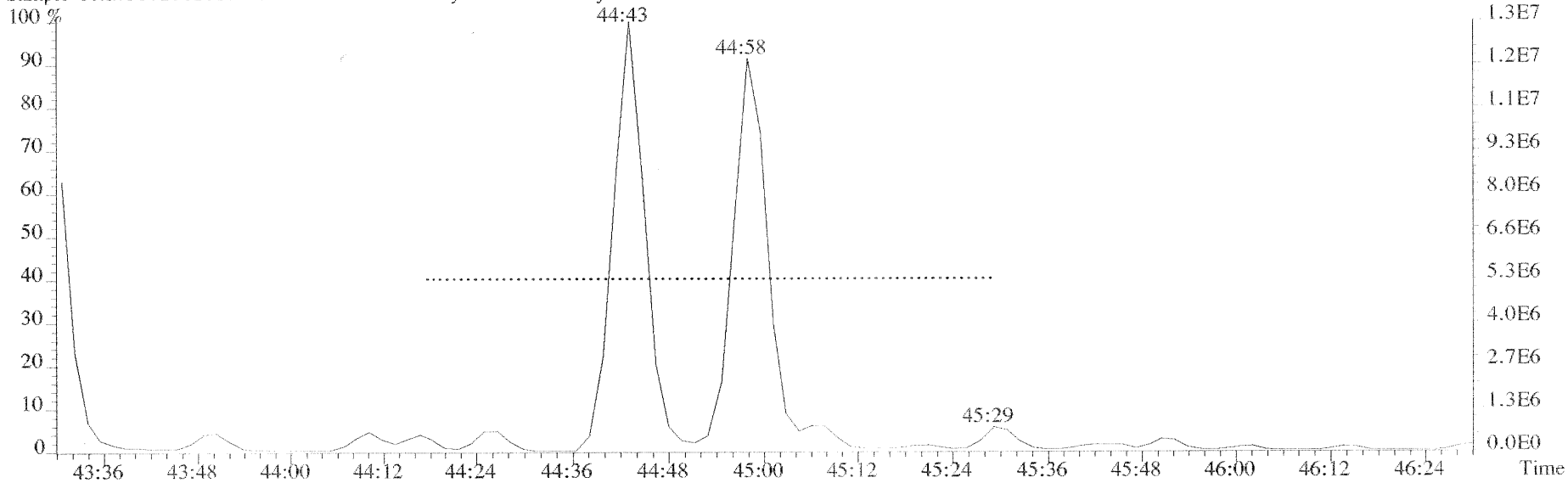








File:01FEB21Z #1-404 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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373.8788 S:14 F:5 Exp:1668PCB
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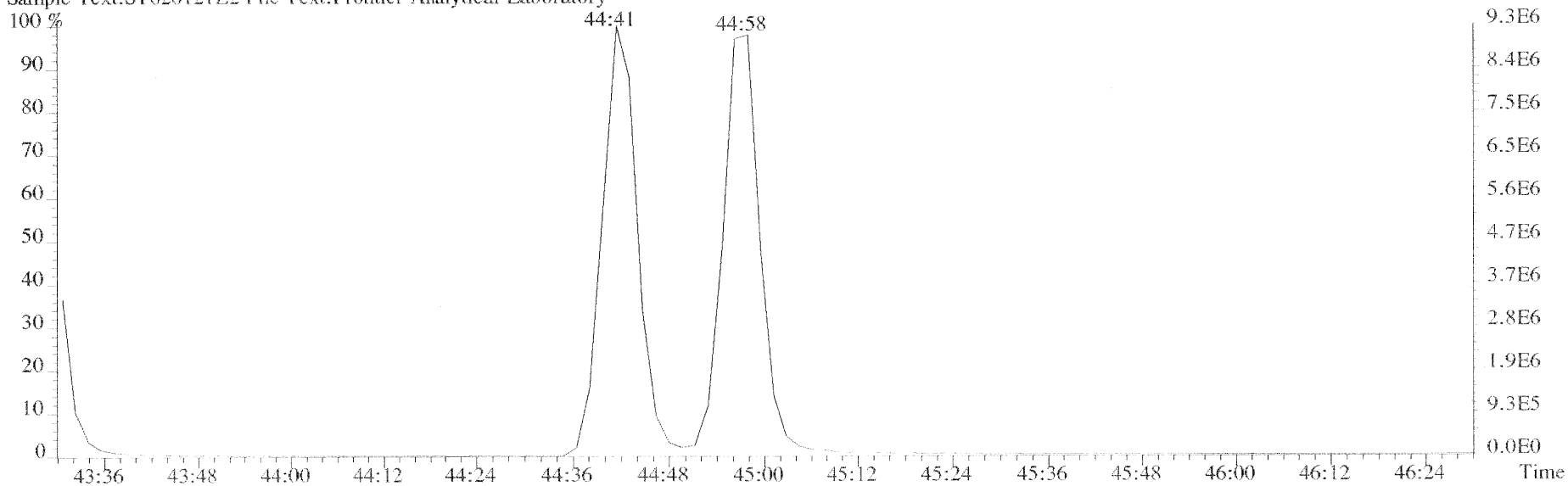

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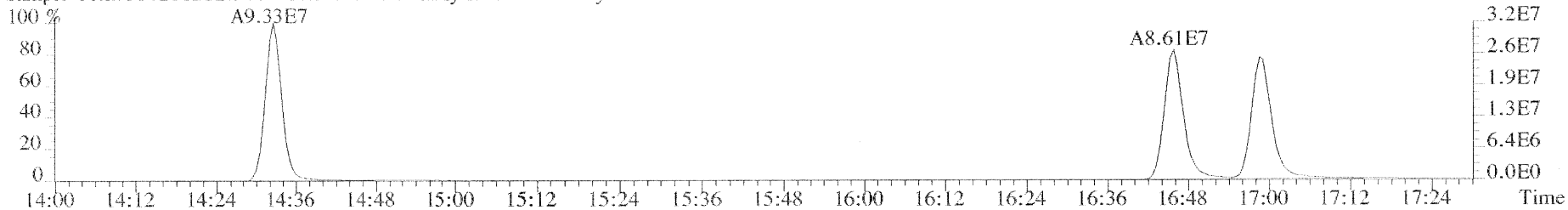
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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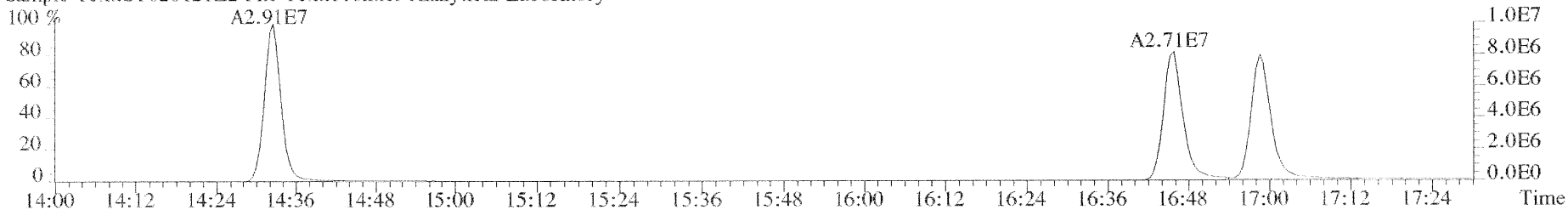
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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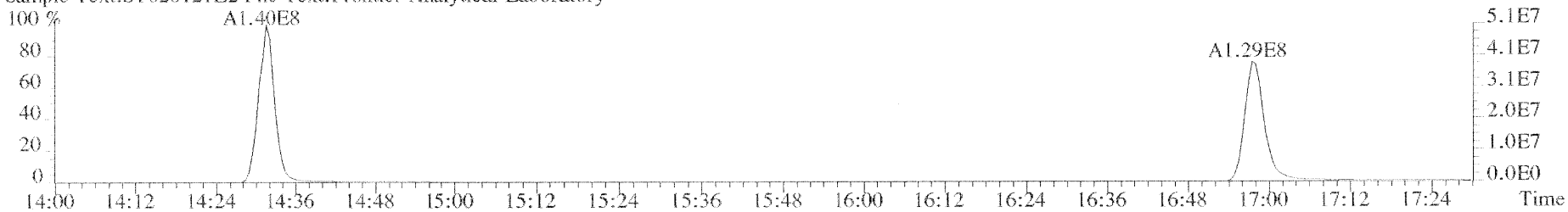
200.0795 S:14 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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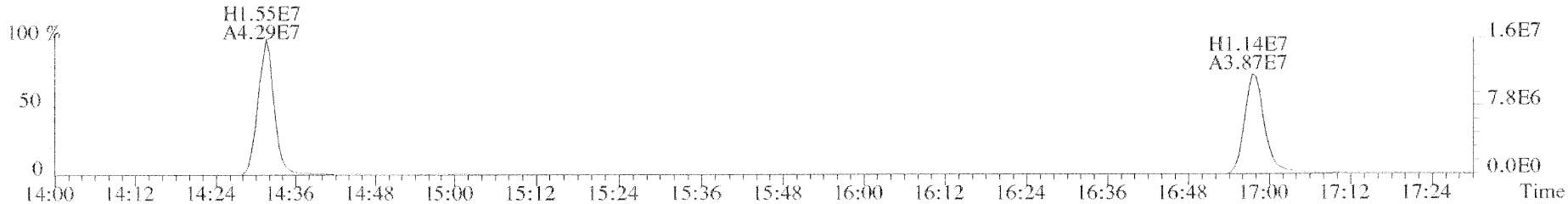
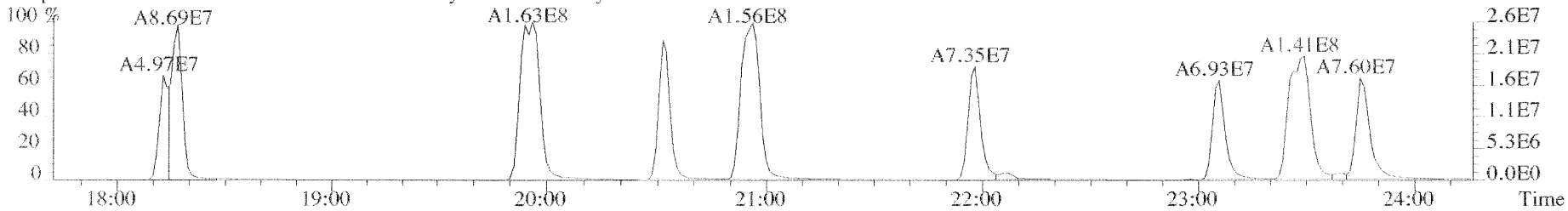
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



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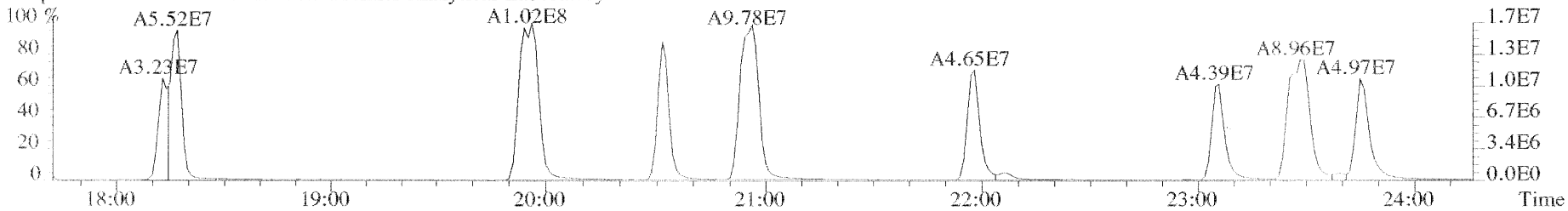
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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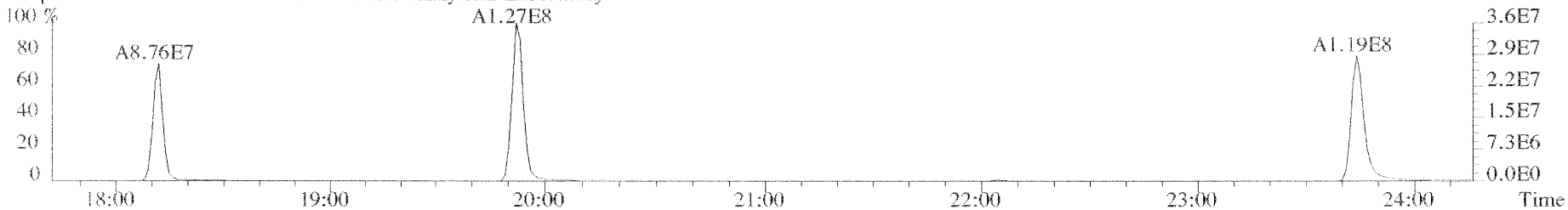
234.0406 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 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
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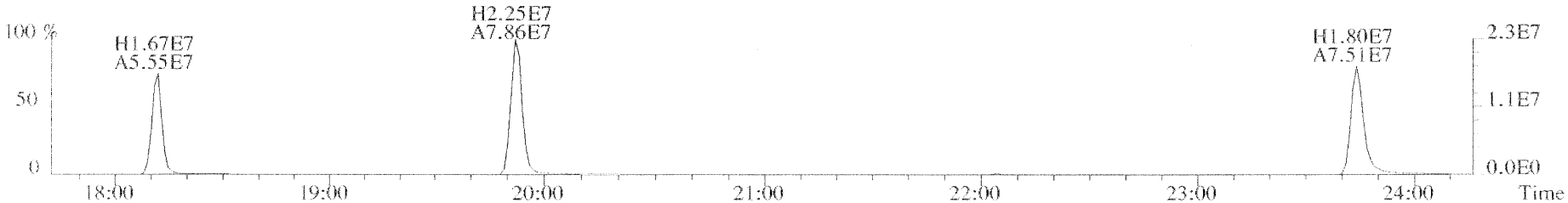
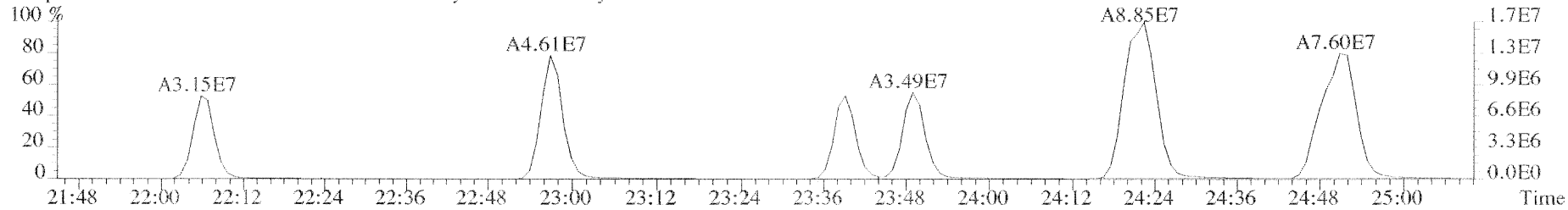
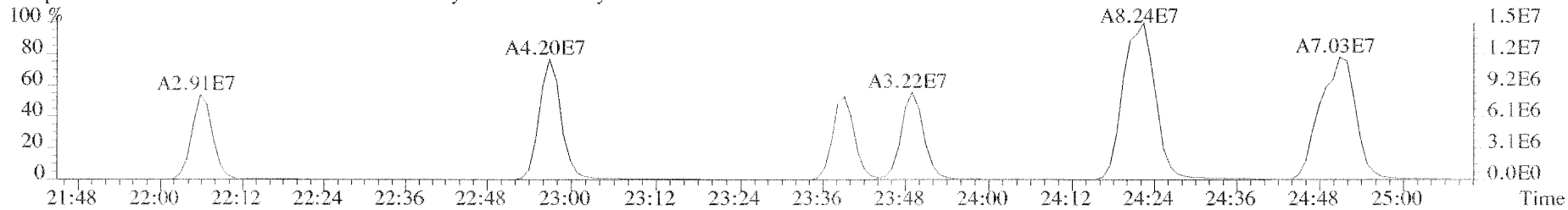


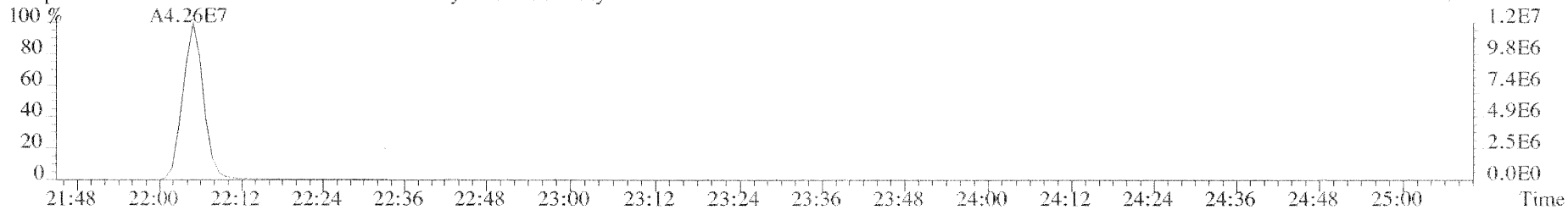
File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



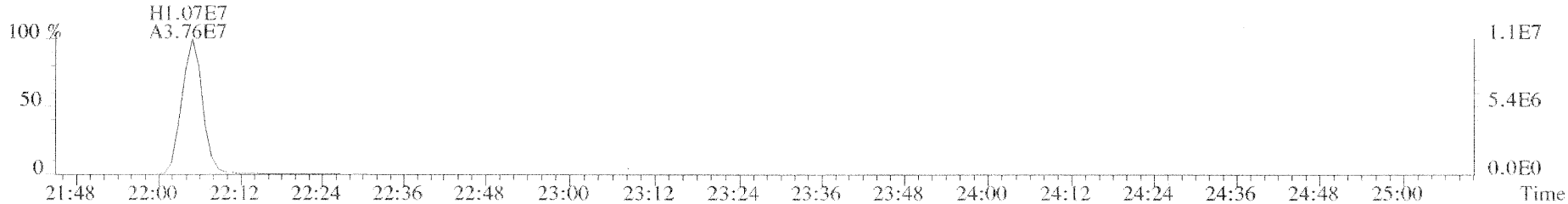
File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



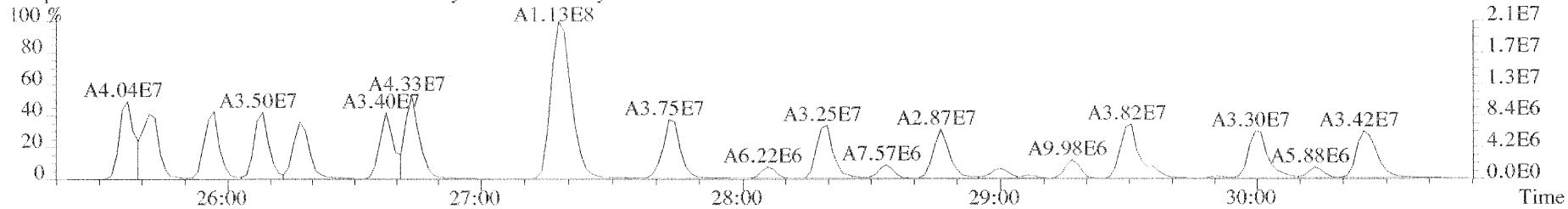
File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



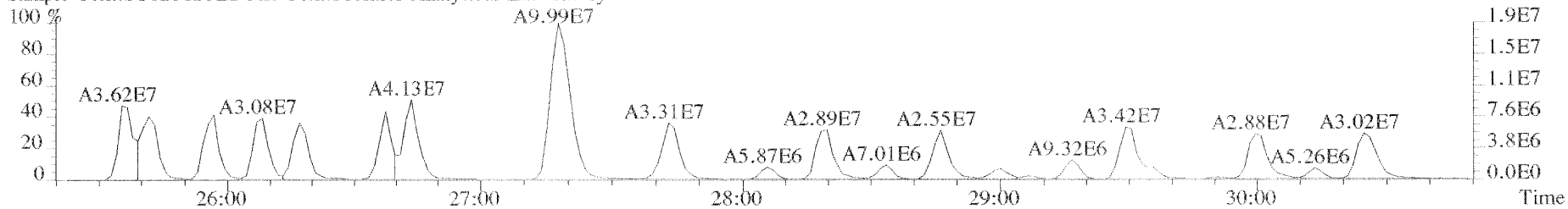
File:01FEB21Z #1-467 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



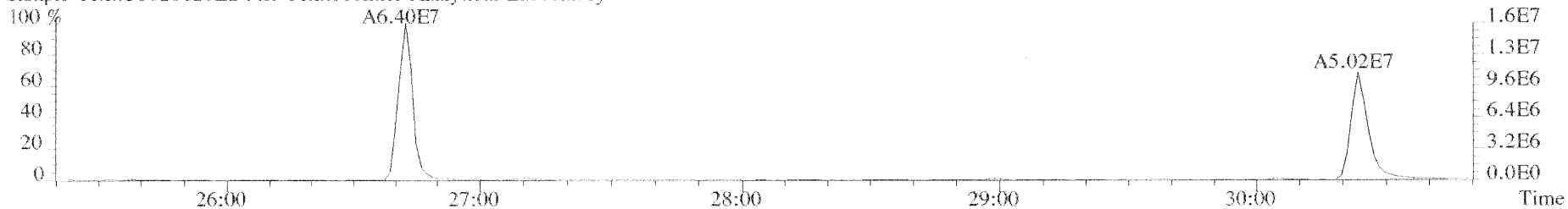
File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



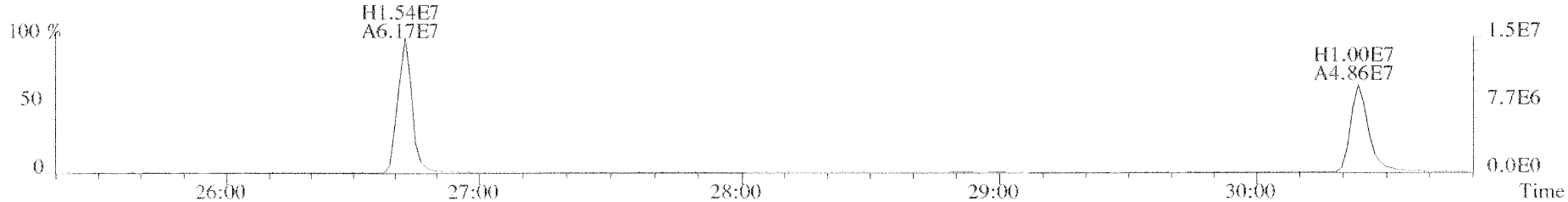
File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



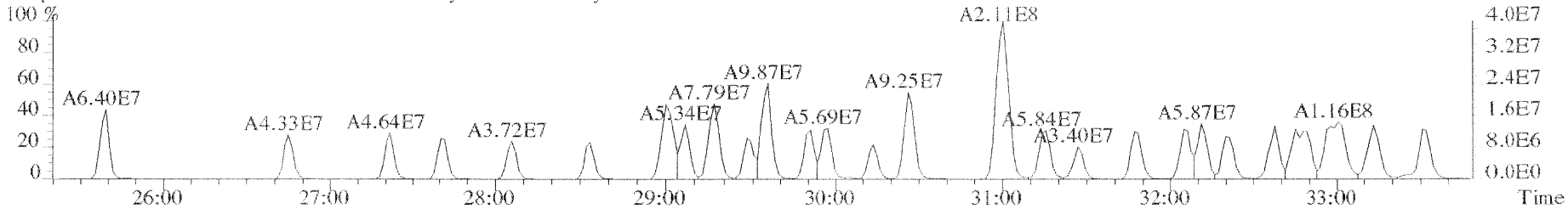
File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



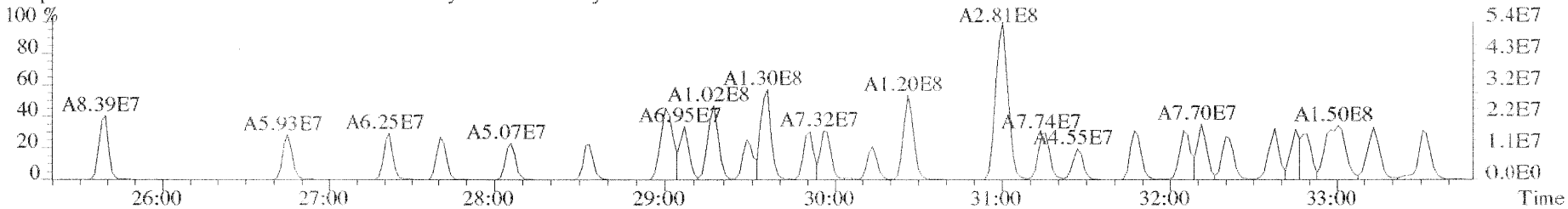
File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



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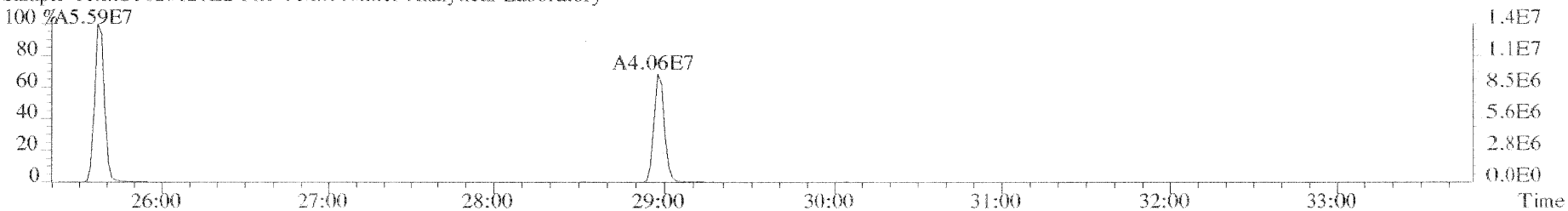
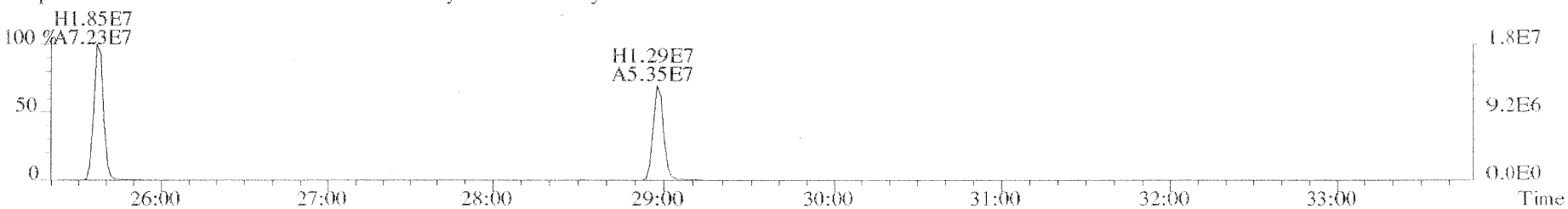
301.9626 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-403 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



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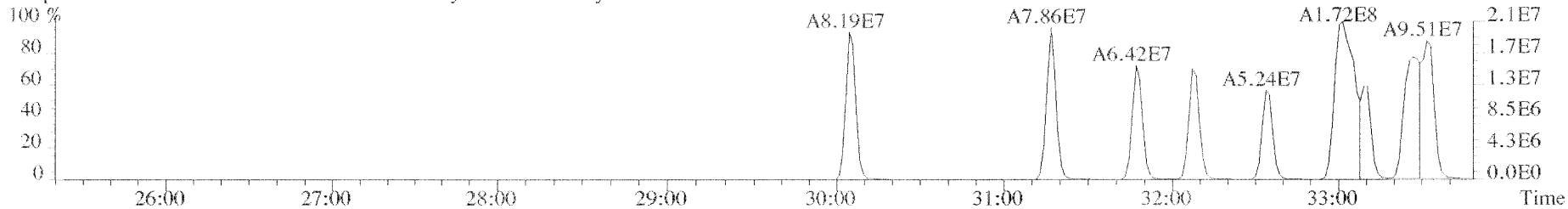
325.8804 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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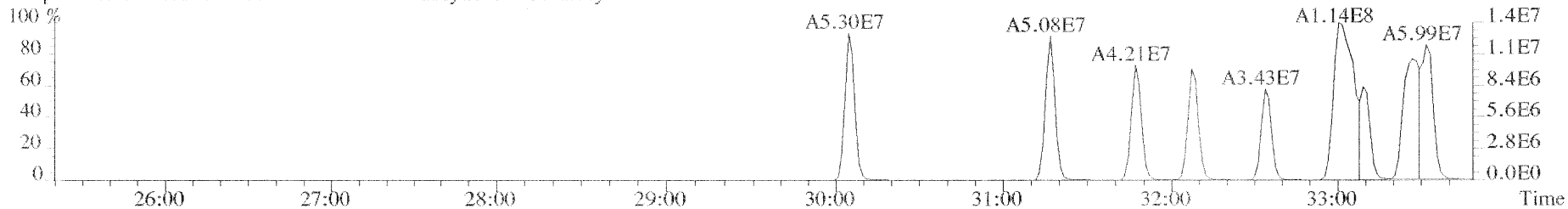
327.8775 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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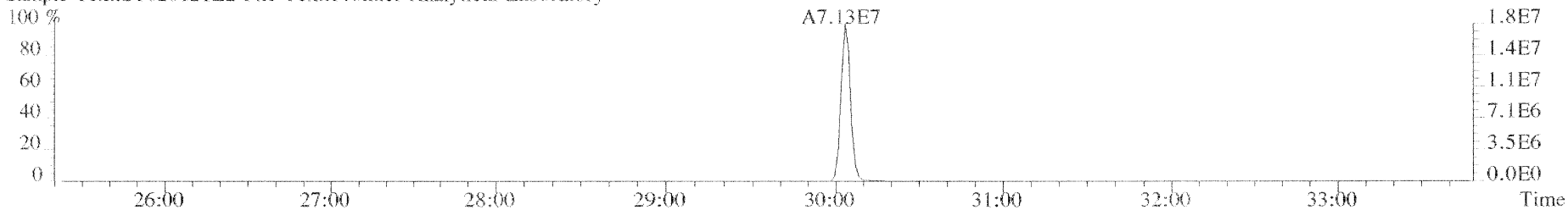
337.9207 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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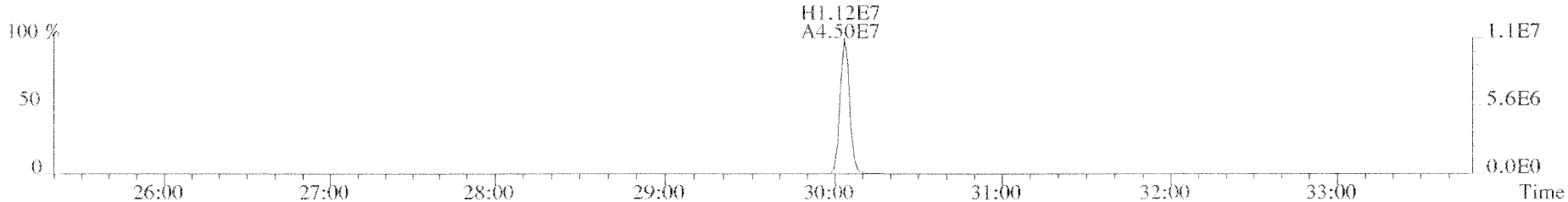
339.9178 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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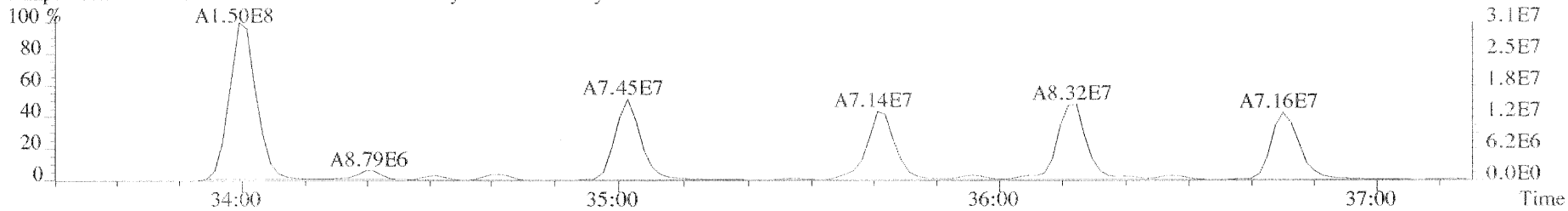
289.9224 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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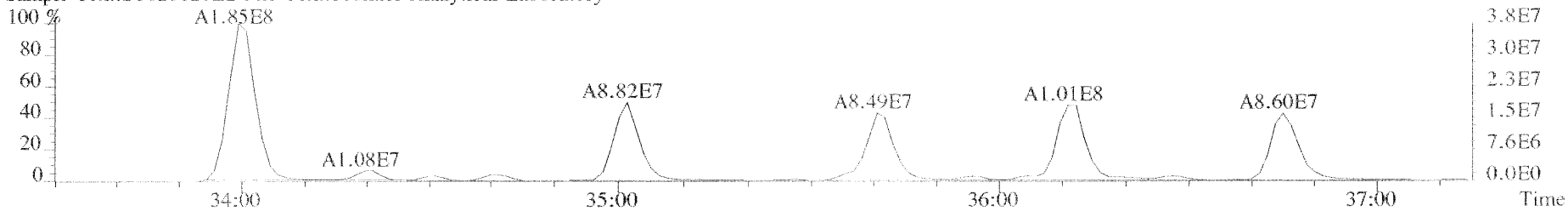
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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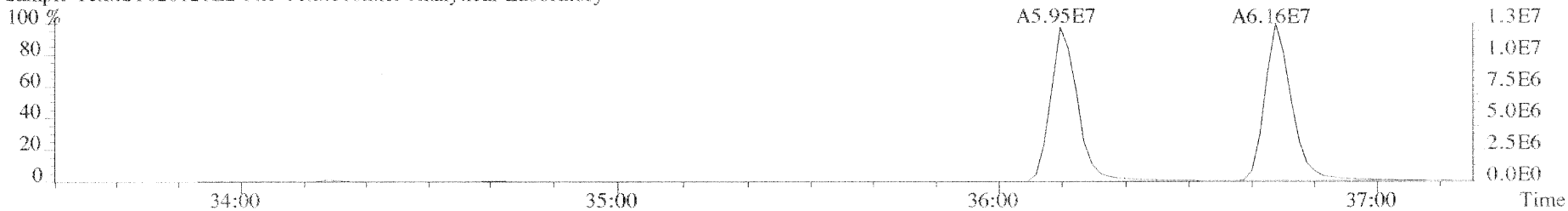
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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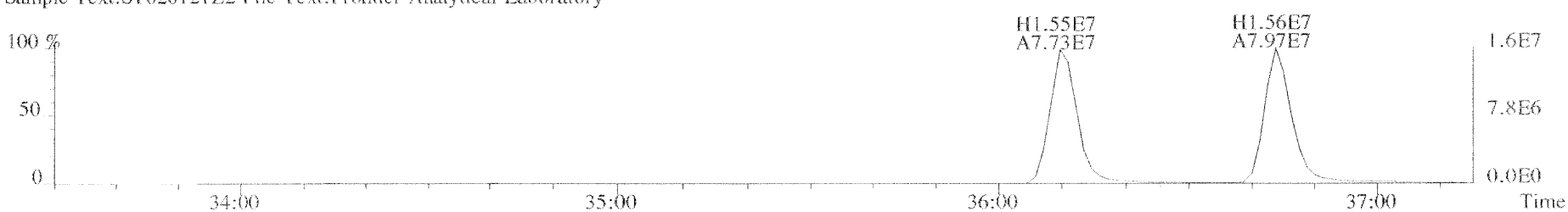
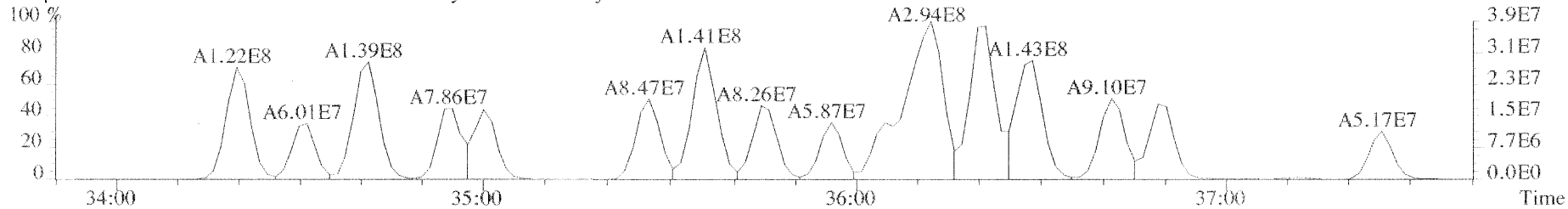
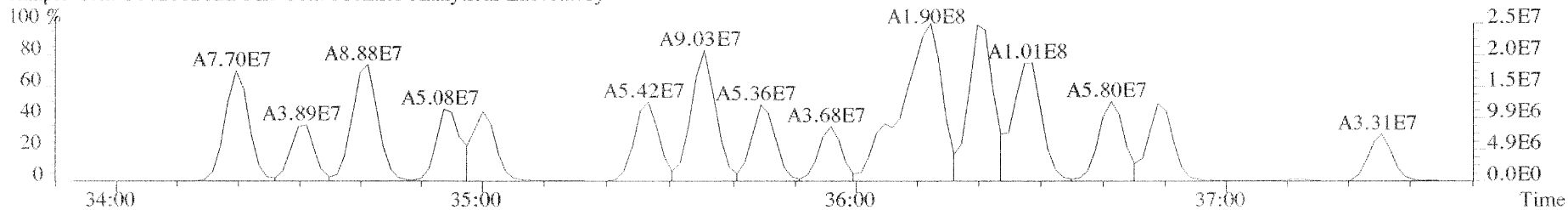
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



File:01FEB21Z #1-181 Acq: 1-FEB-2021 20:14:03 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:ST020121Z2 File Text:Frontier Analytical Laboratory



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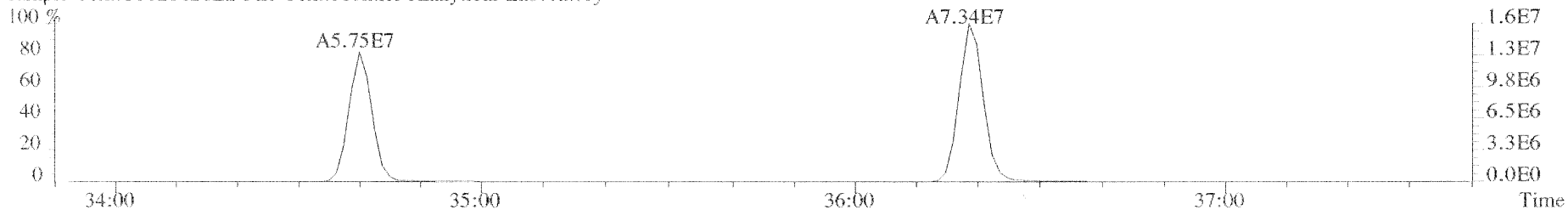
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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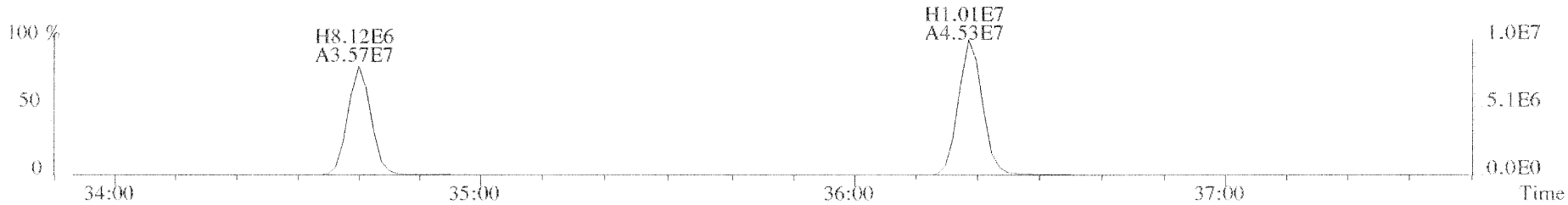
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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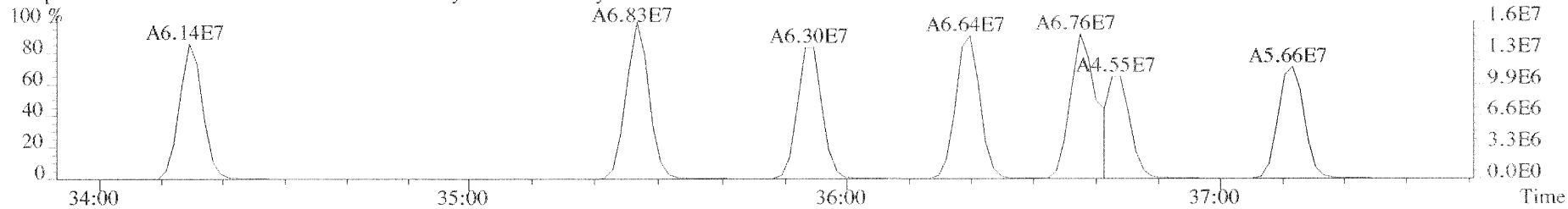
359.8415 S:14 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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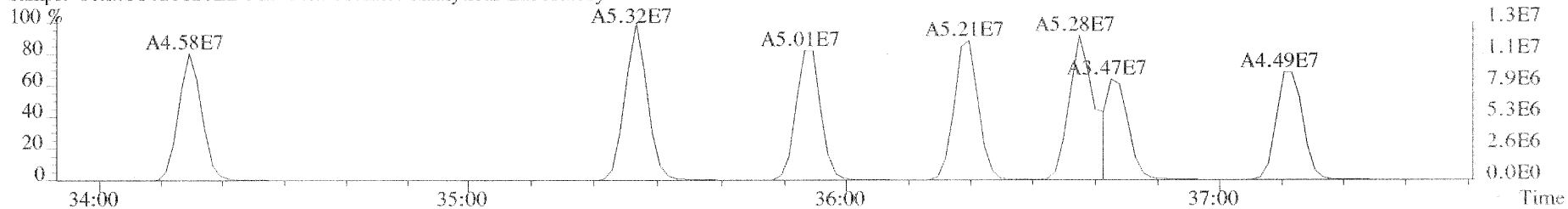
361.8385 S:14 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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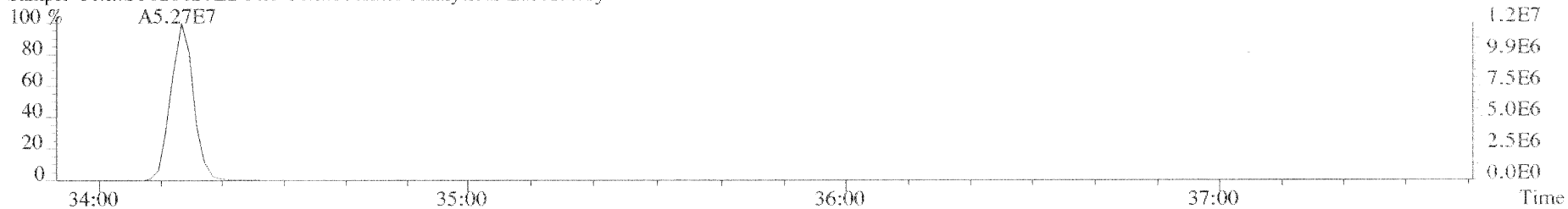
371.8817 S:14 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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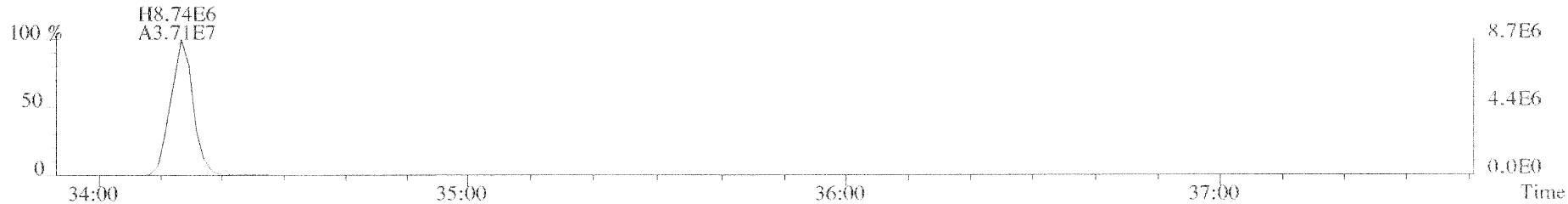
373.8788 S:14 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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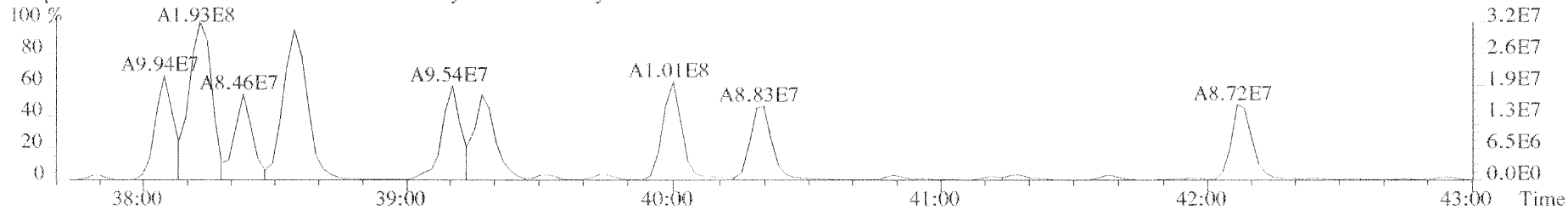
325.8804 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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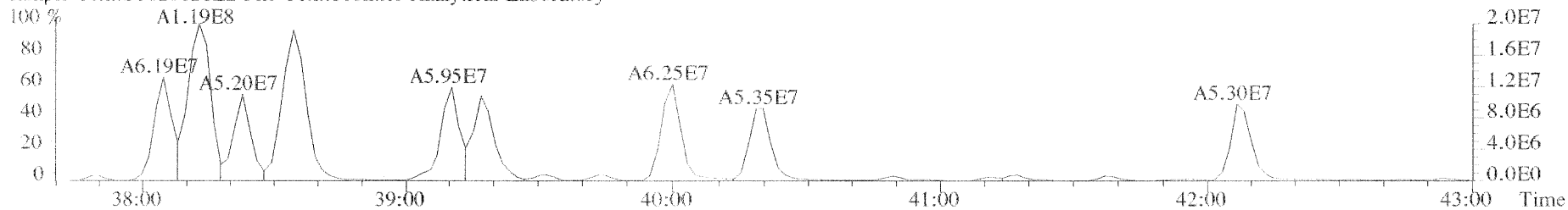
327.8775 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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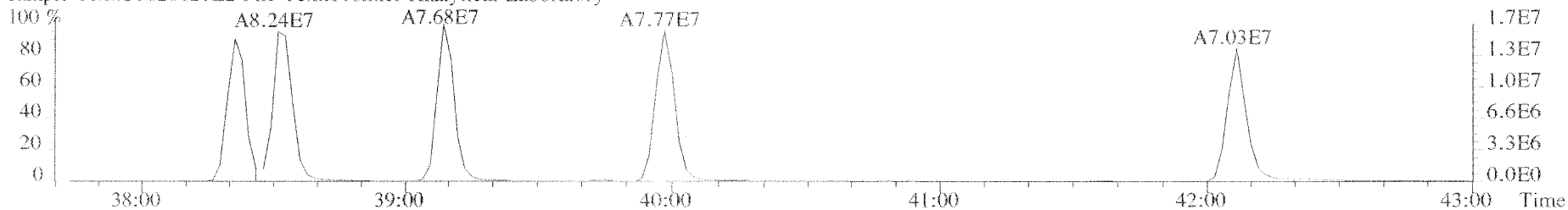

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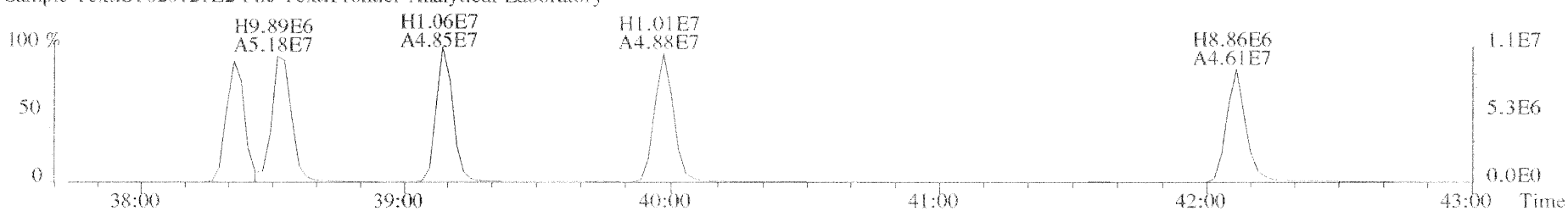

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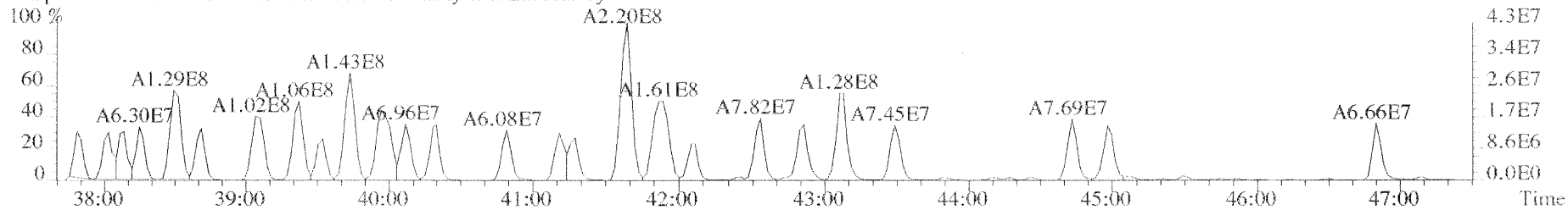
359.8415 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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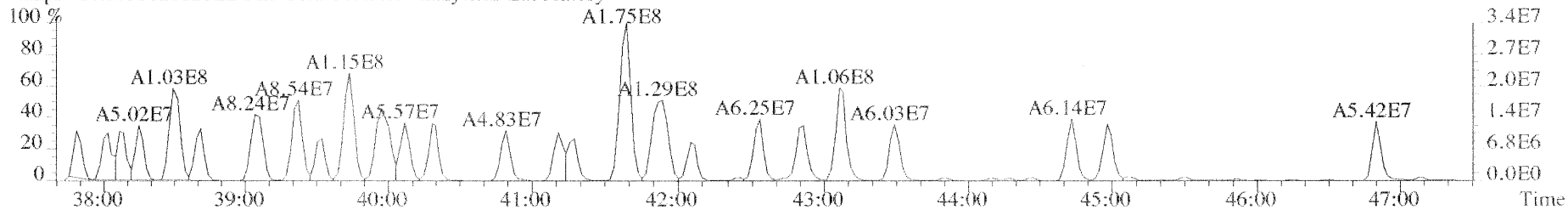
361.8385 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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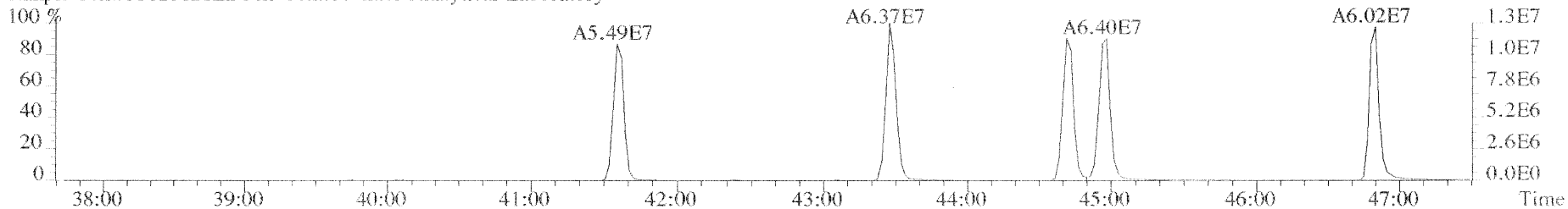
371.8817 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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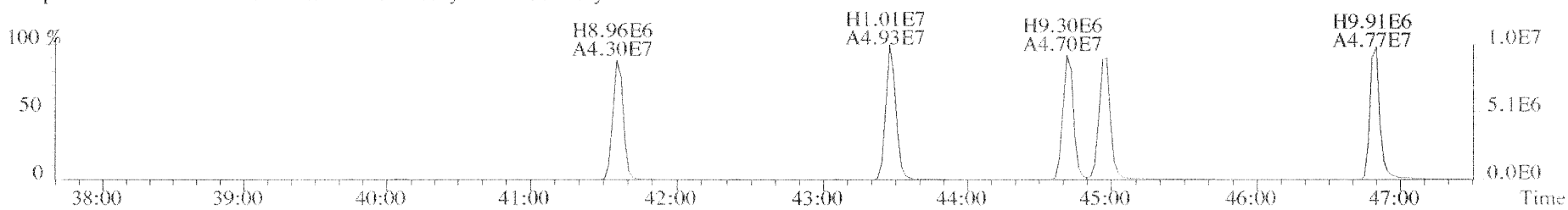
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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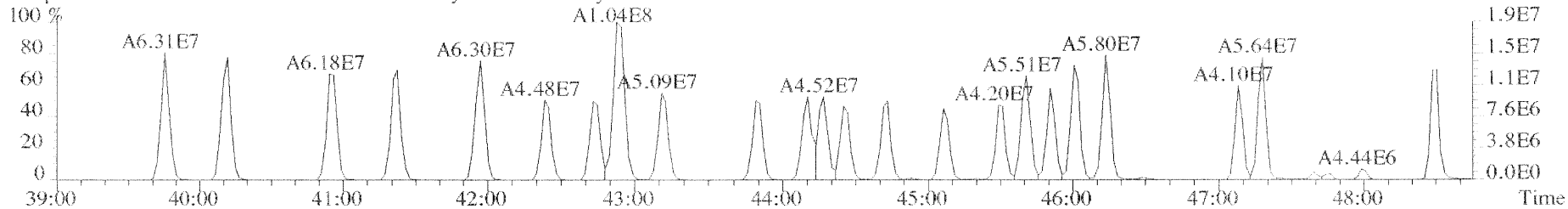
393.8025 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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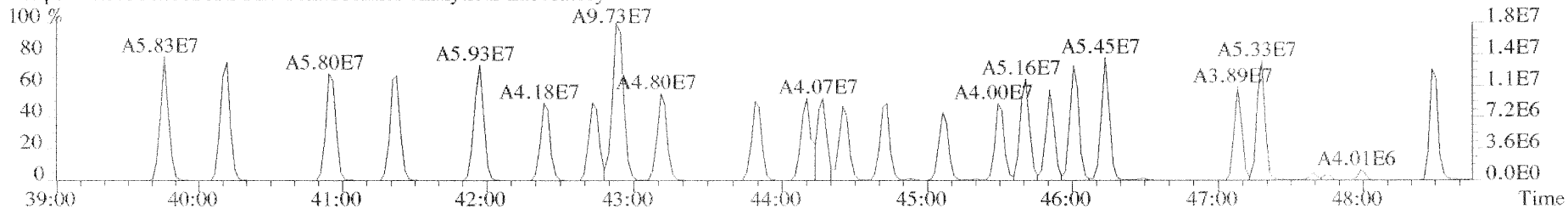

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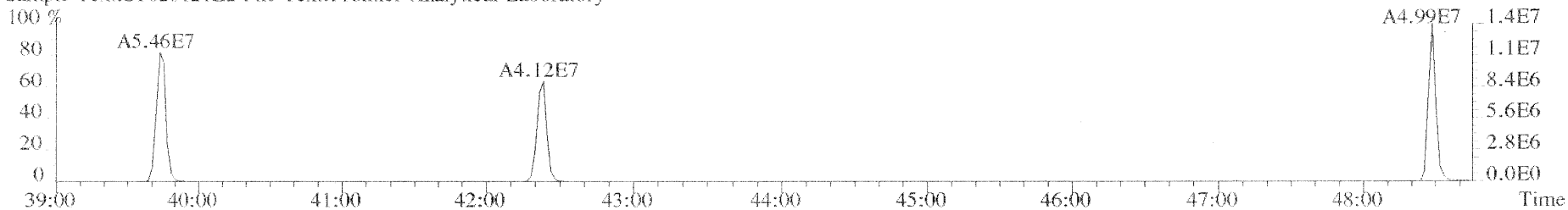
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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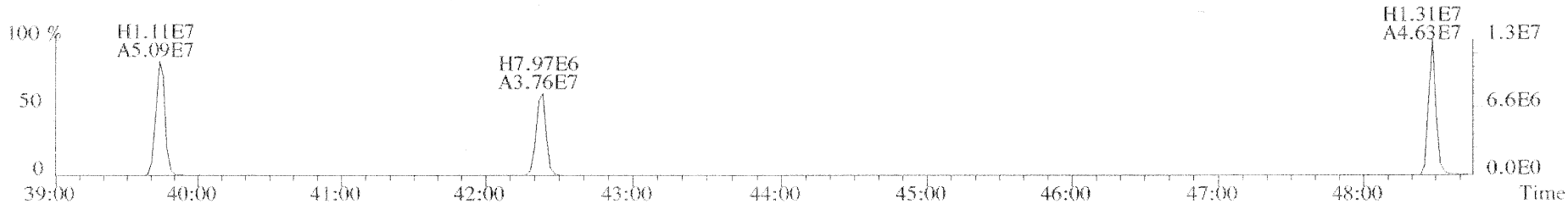

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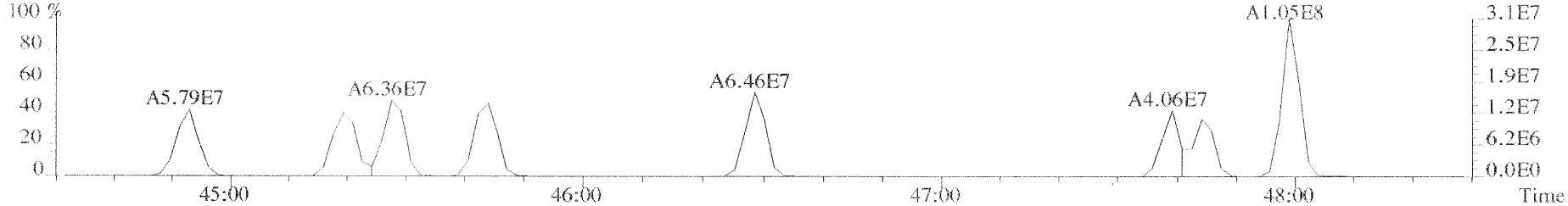
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



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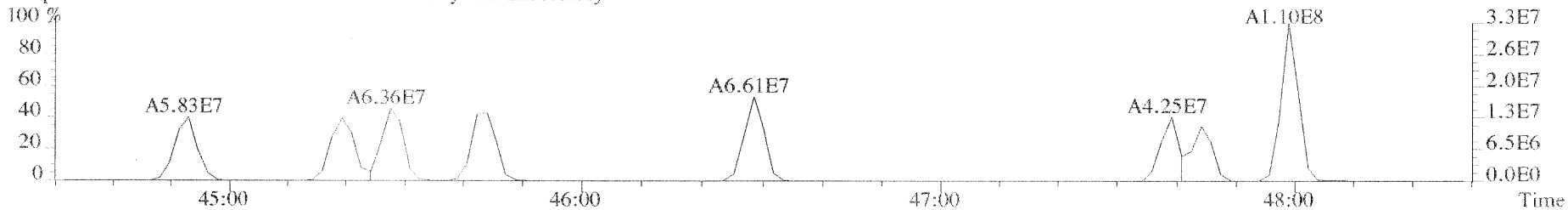
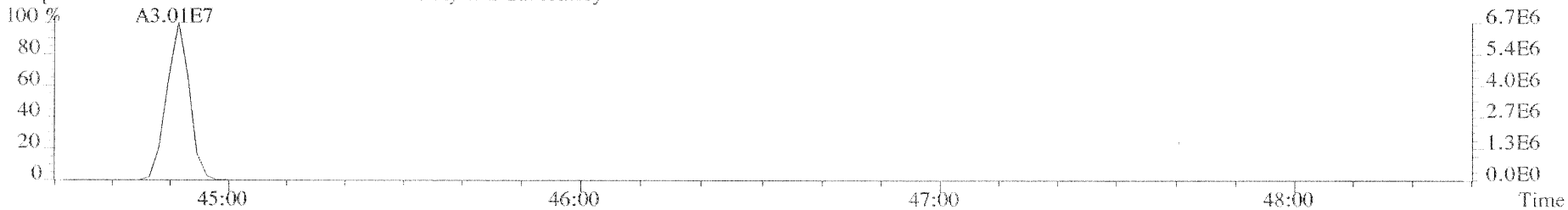
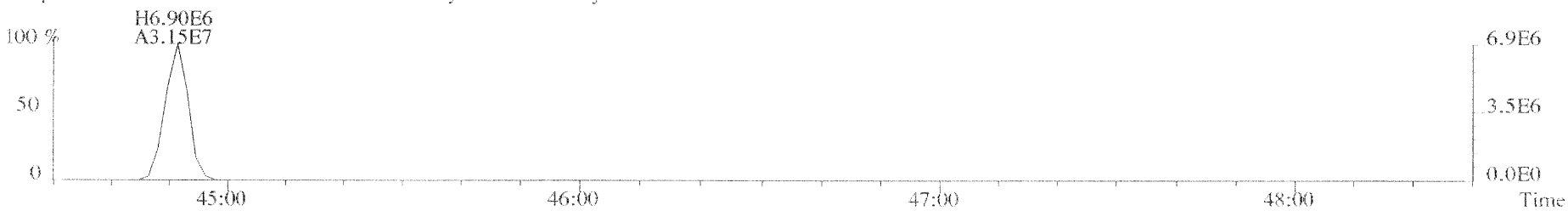
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



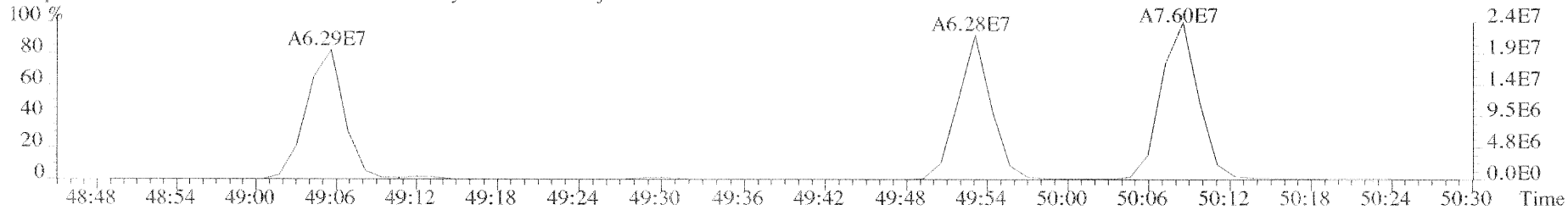
File:01FEB21Z #1-404 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



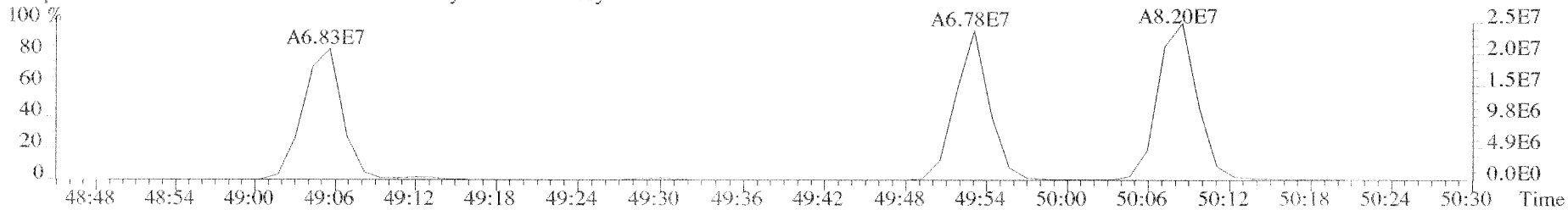
File:01FEB21Z #1-404 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



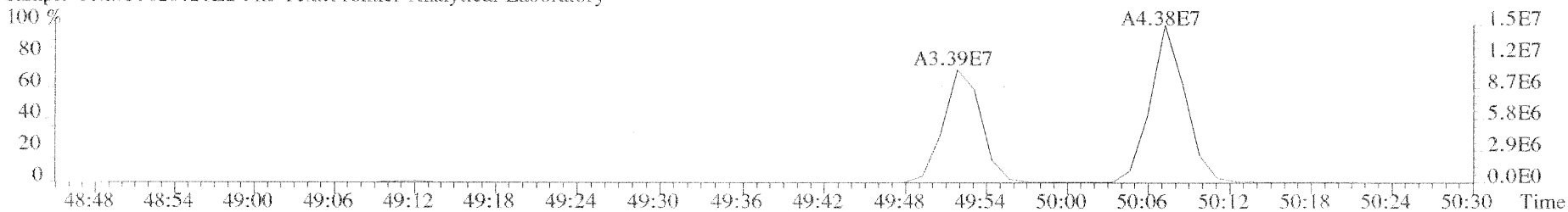
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



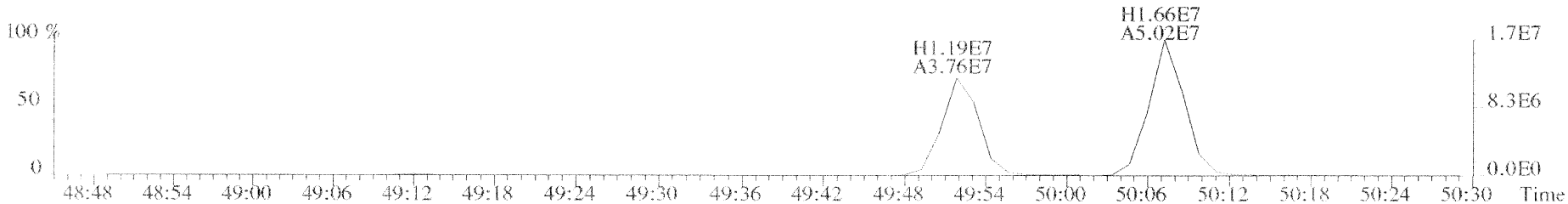
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



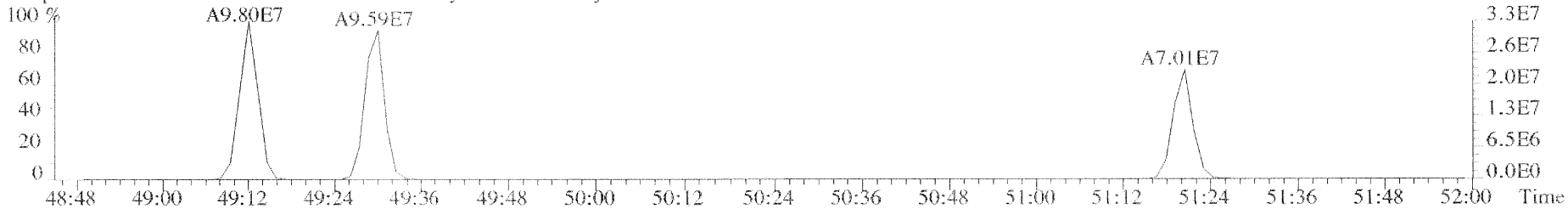
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



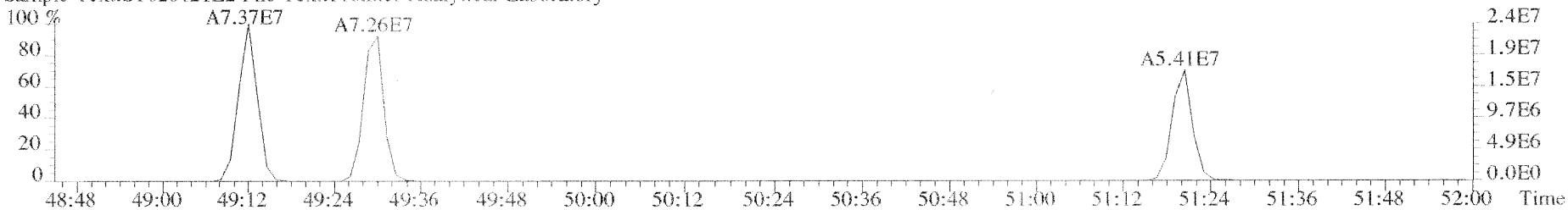
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



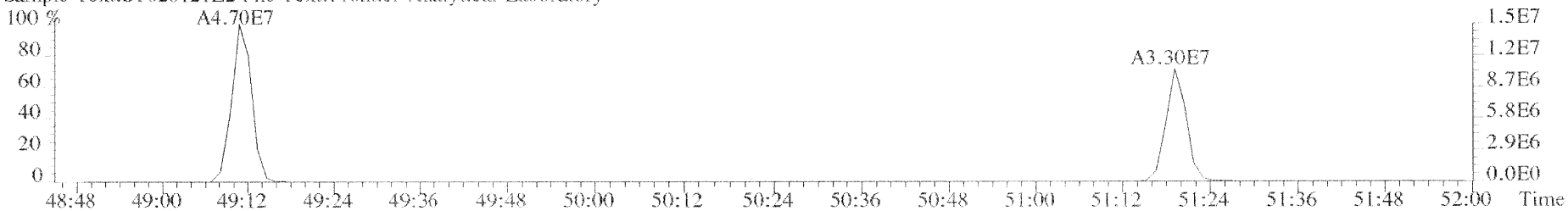
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



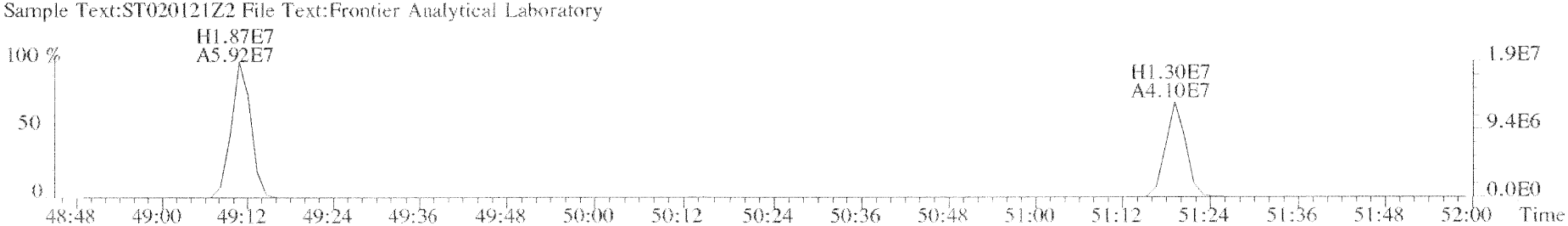
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



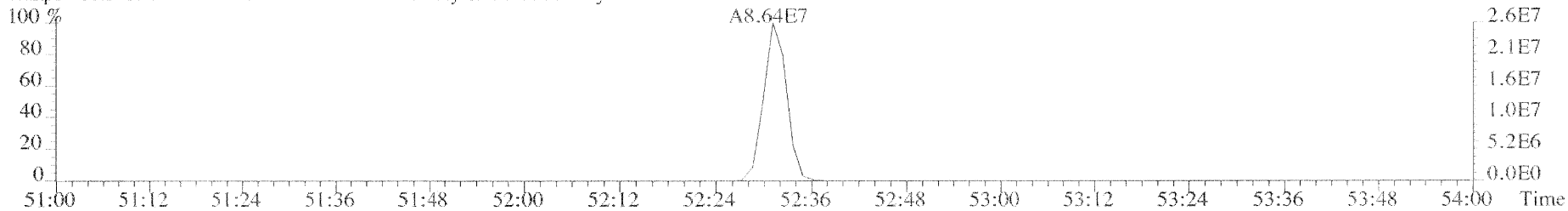
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



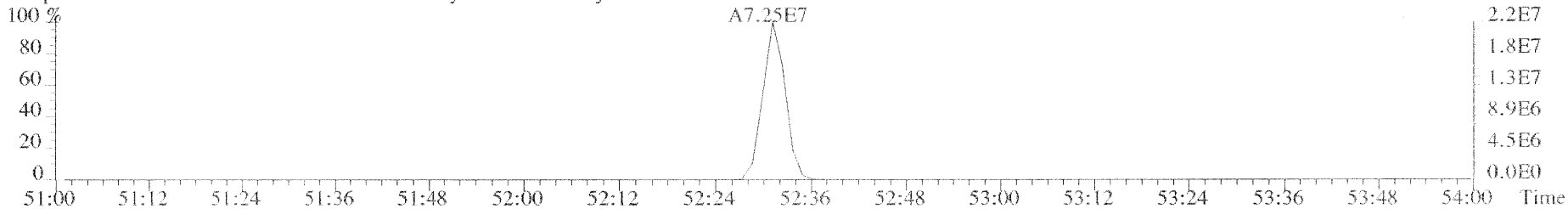
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



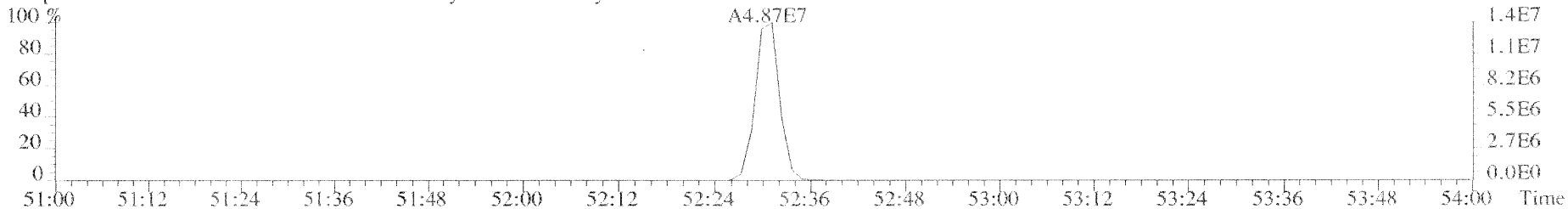
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



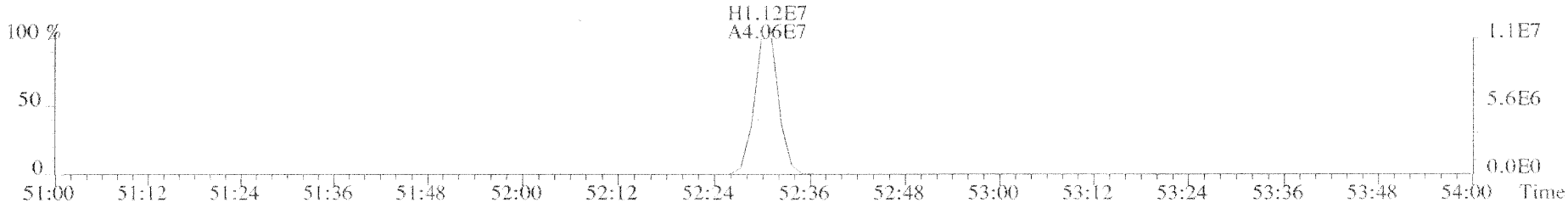
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory



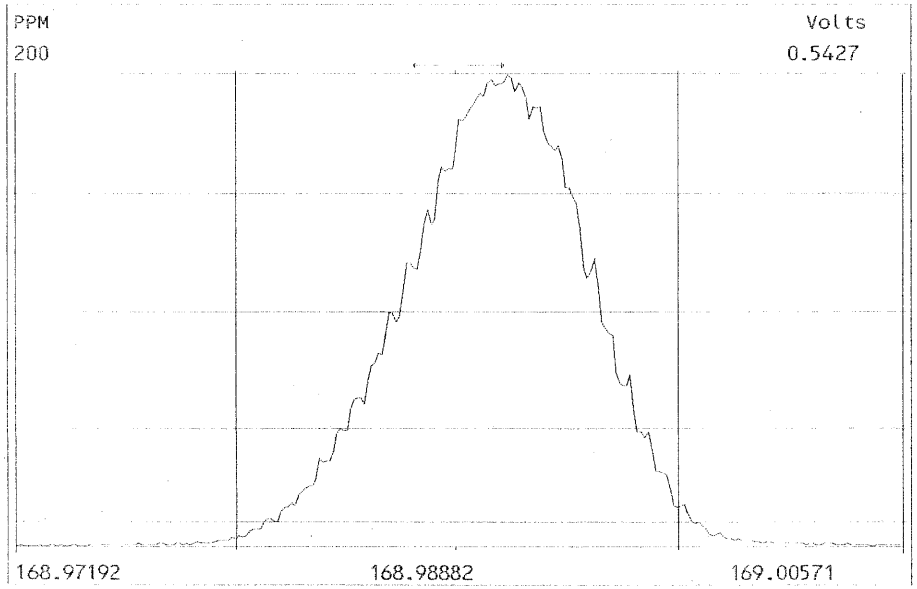
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory

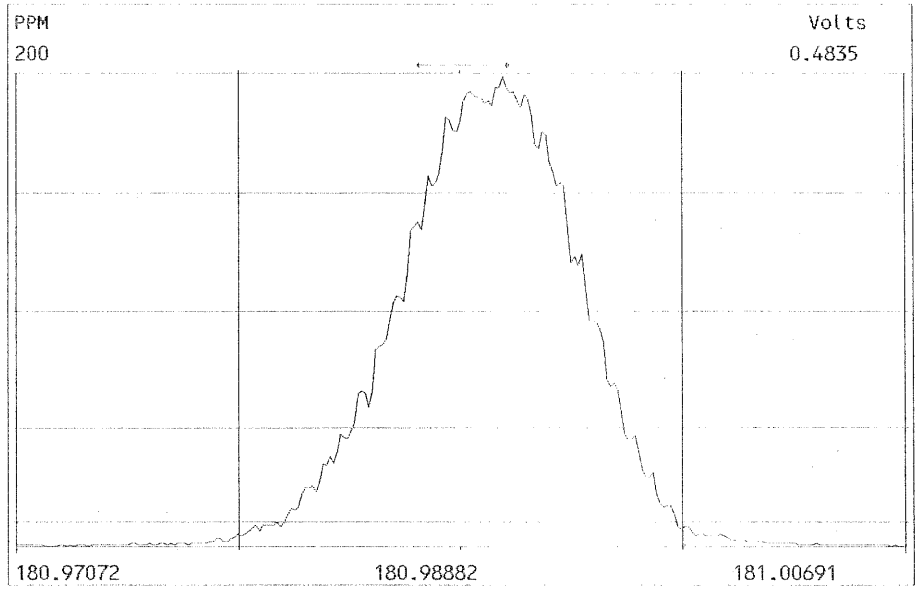


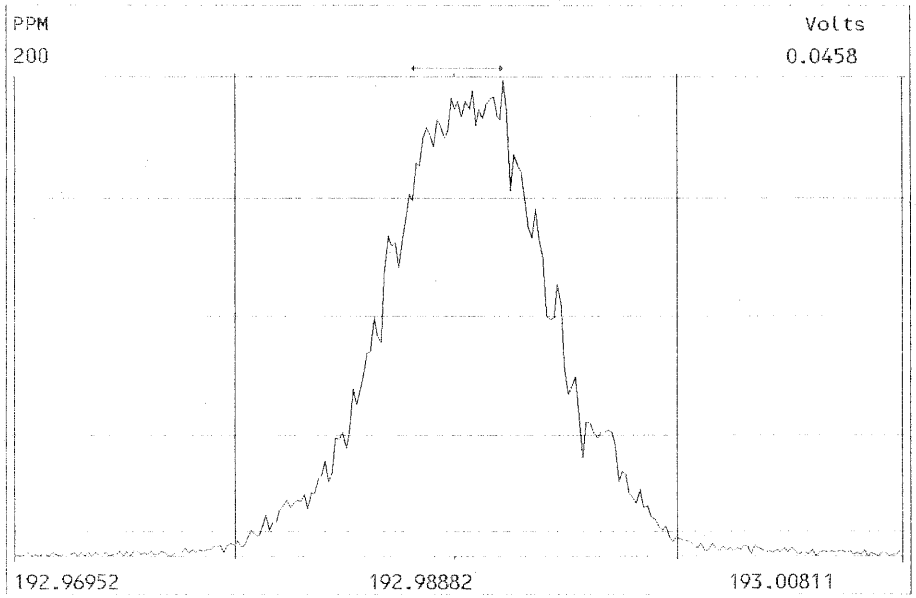
File:01FEB21Z #1-314 Acq: 1-FEB-2021 20:14:03 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020121Z2 File Text:Frontier Analytical Laboratory

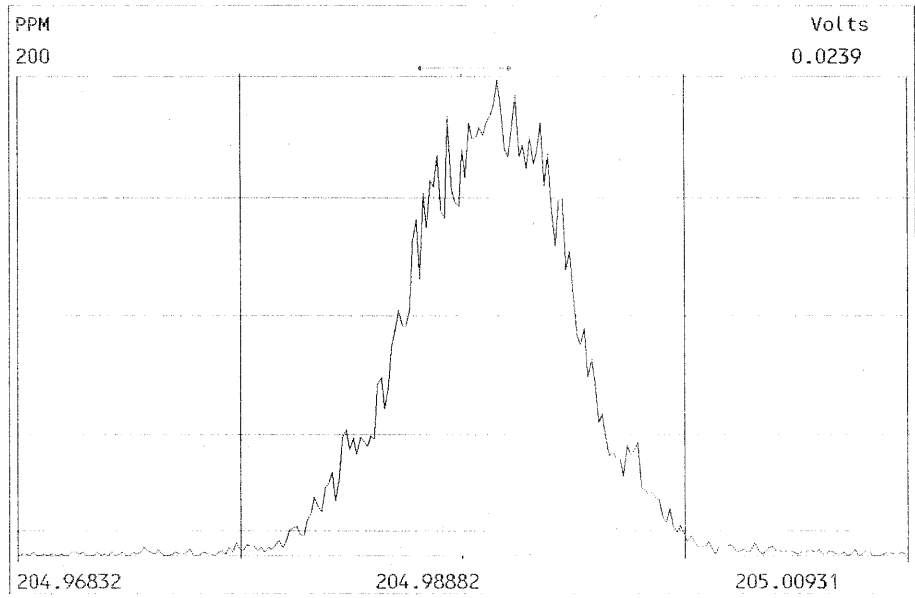


Peak Locate Examination: 1-FEB-2021:21:41 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

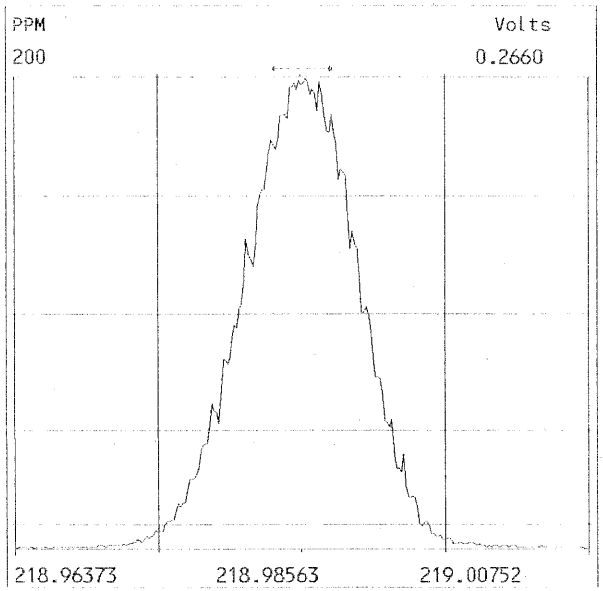


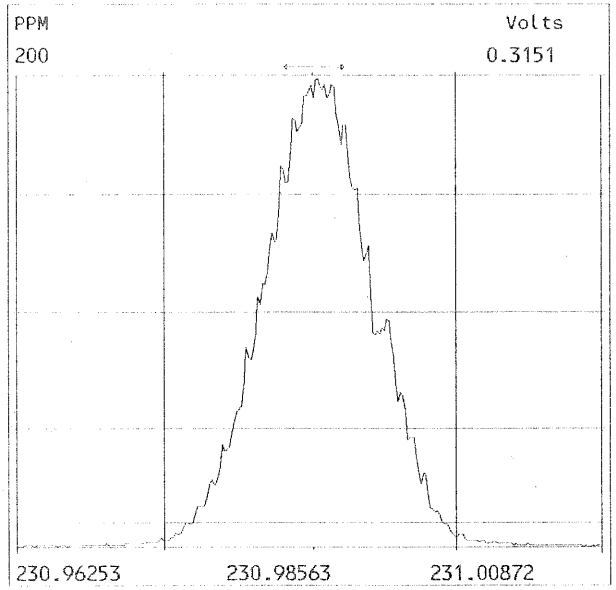


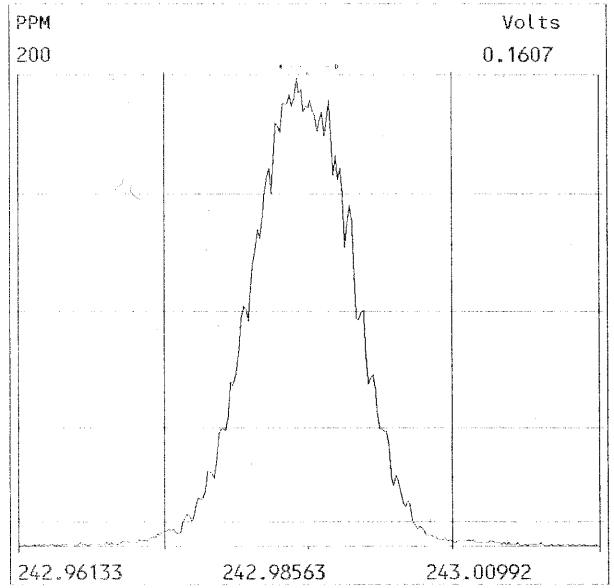


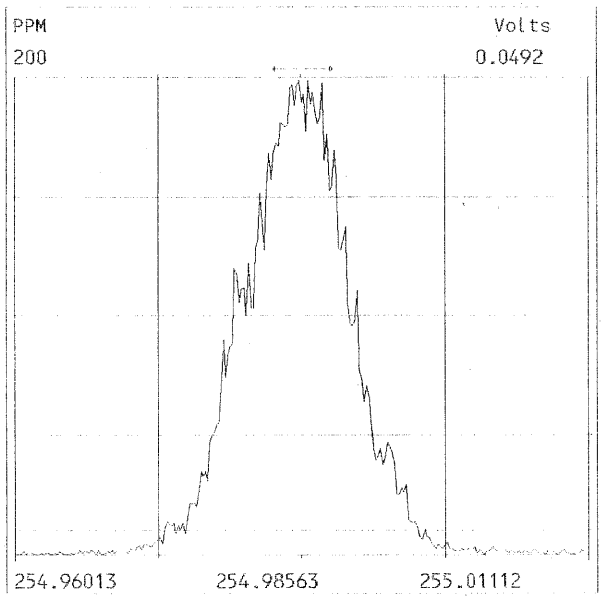


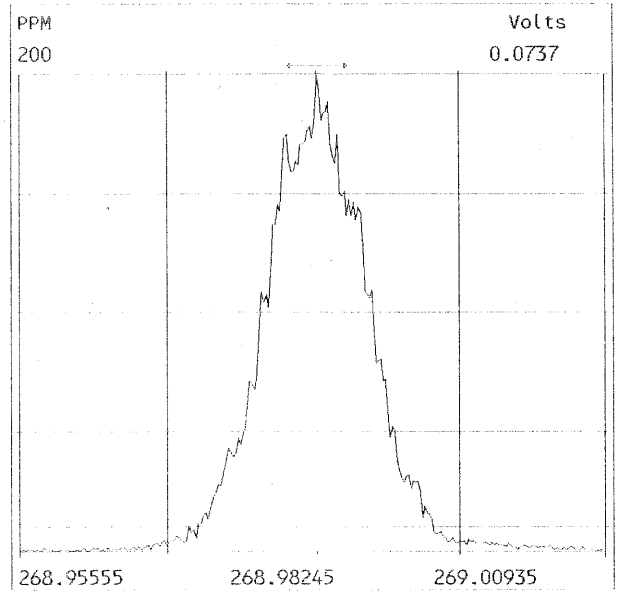
Peak Locate Examination: 1-FEB-2021:21:43 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

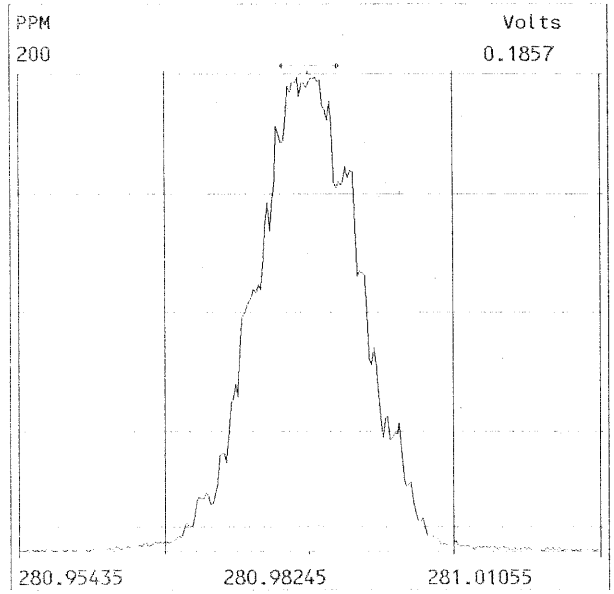




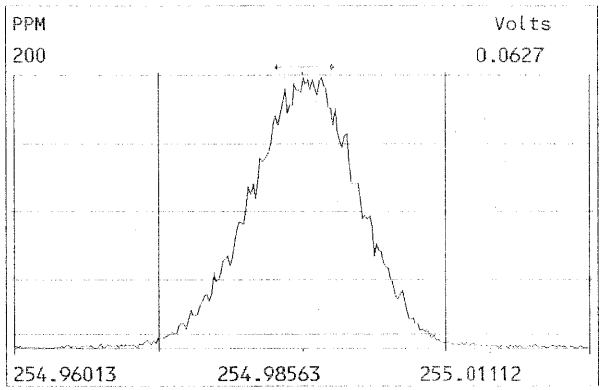


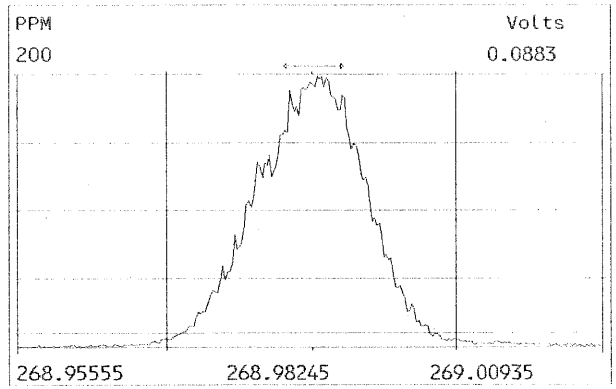


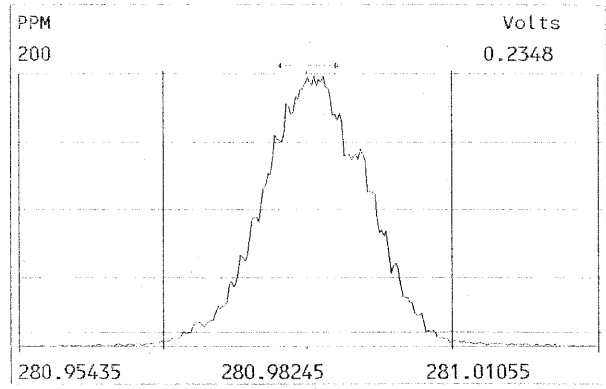


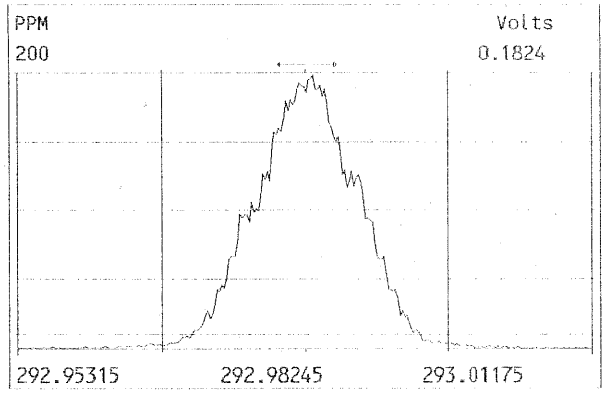


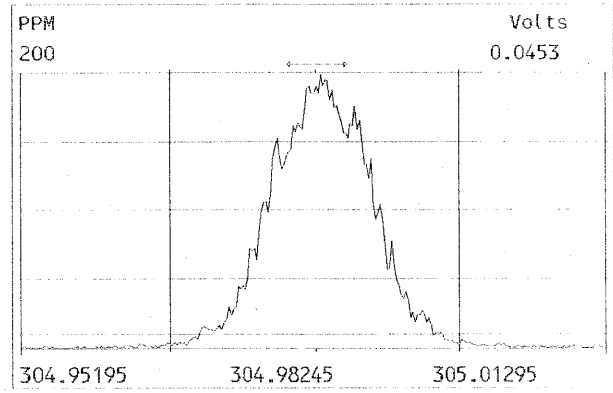
Peak Locate Examination: 1-FEB-2021:21:46 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

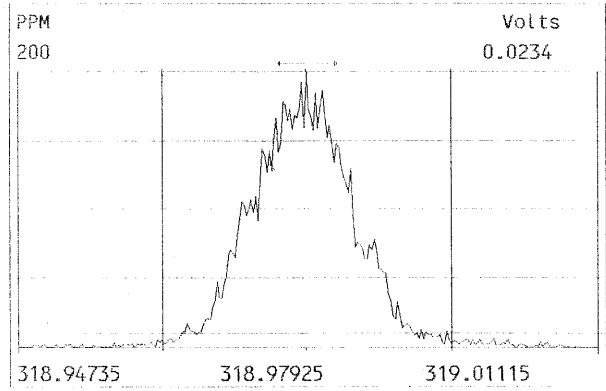


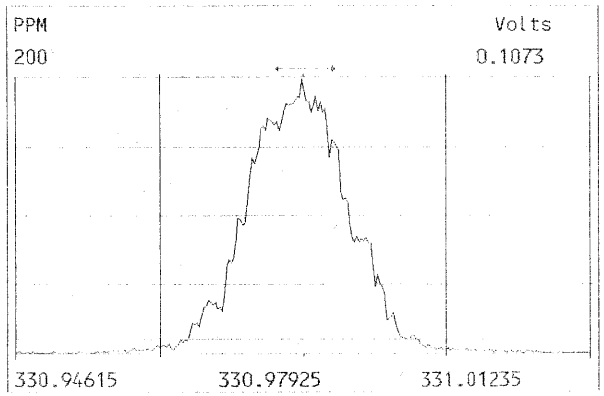


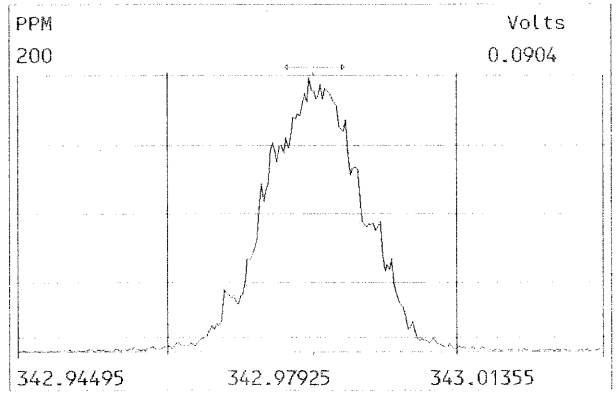




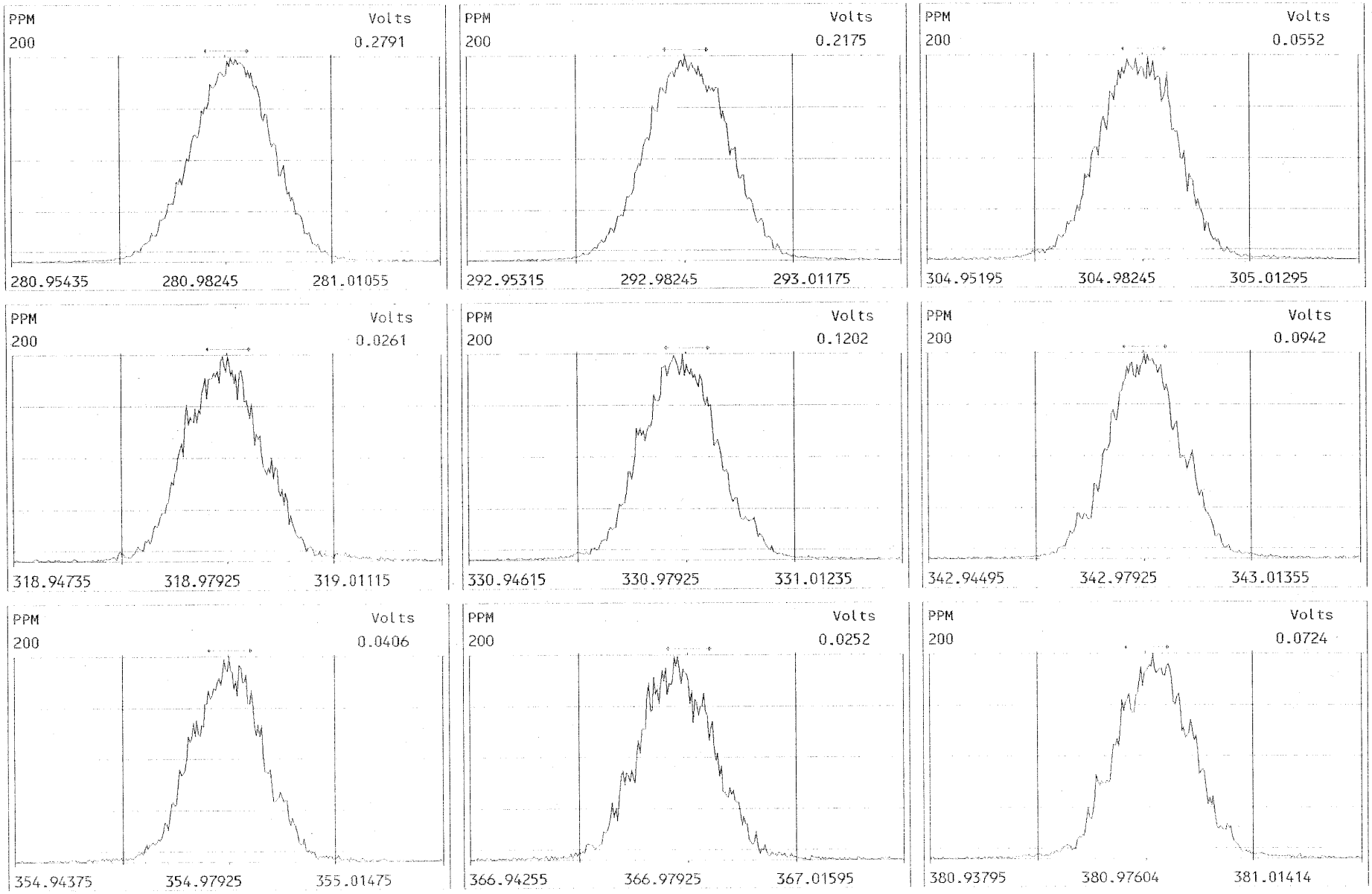




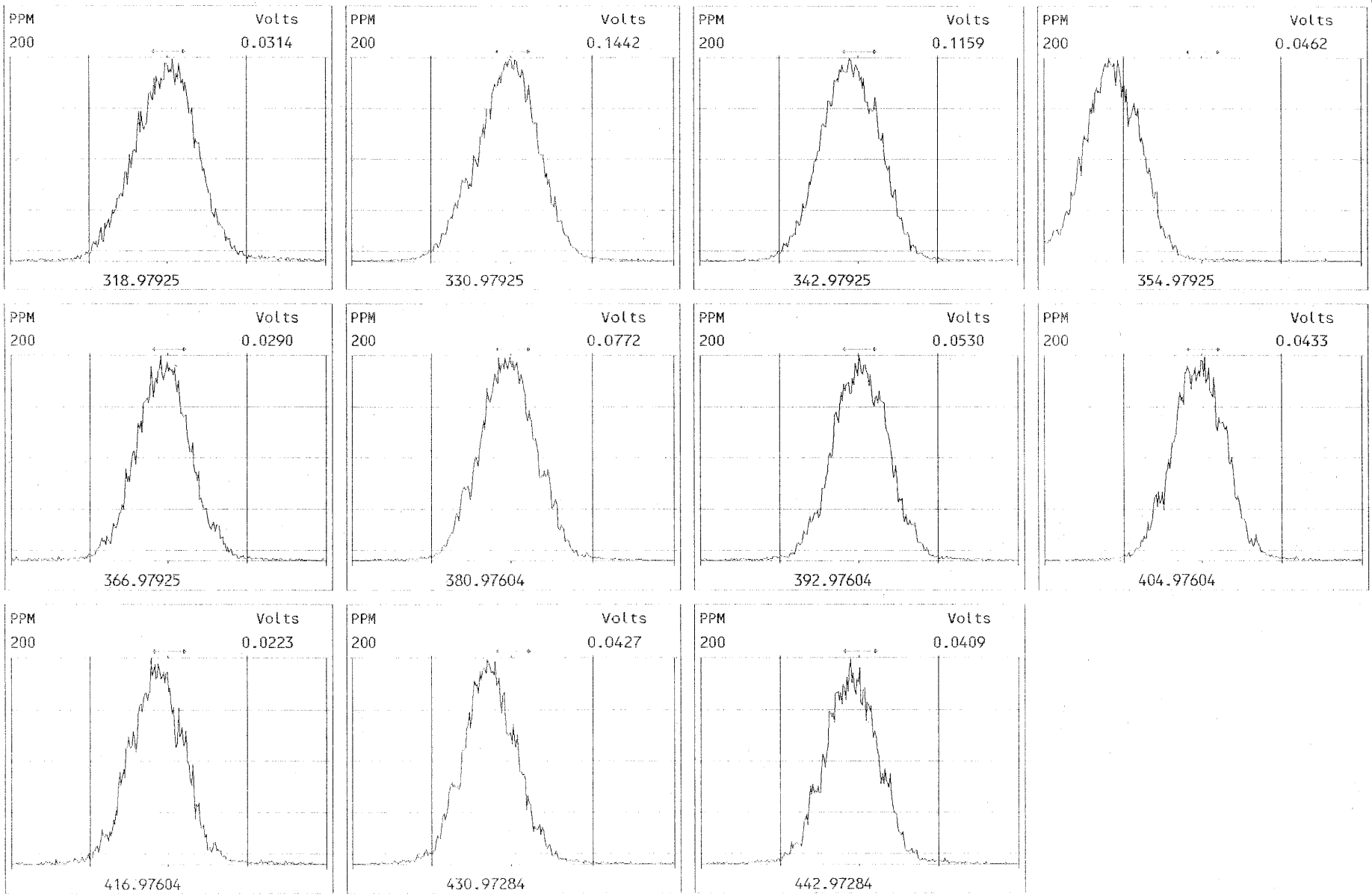




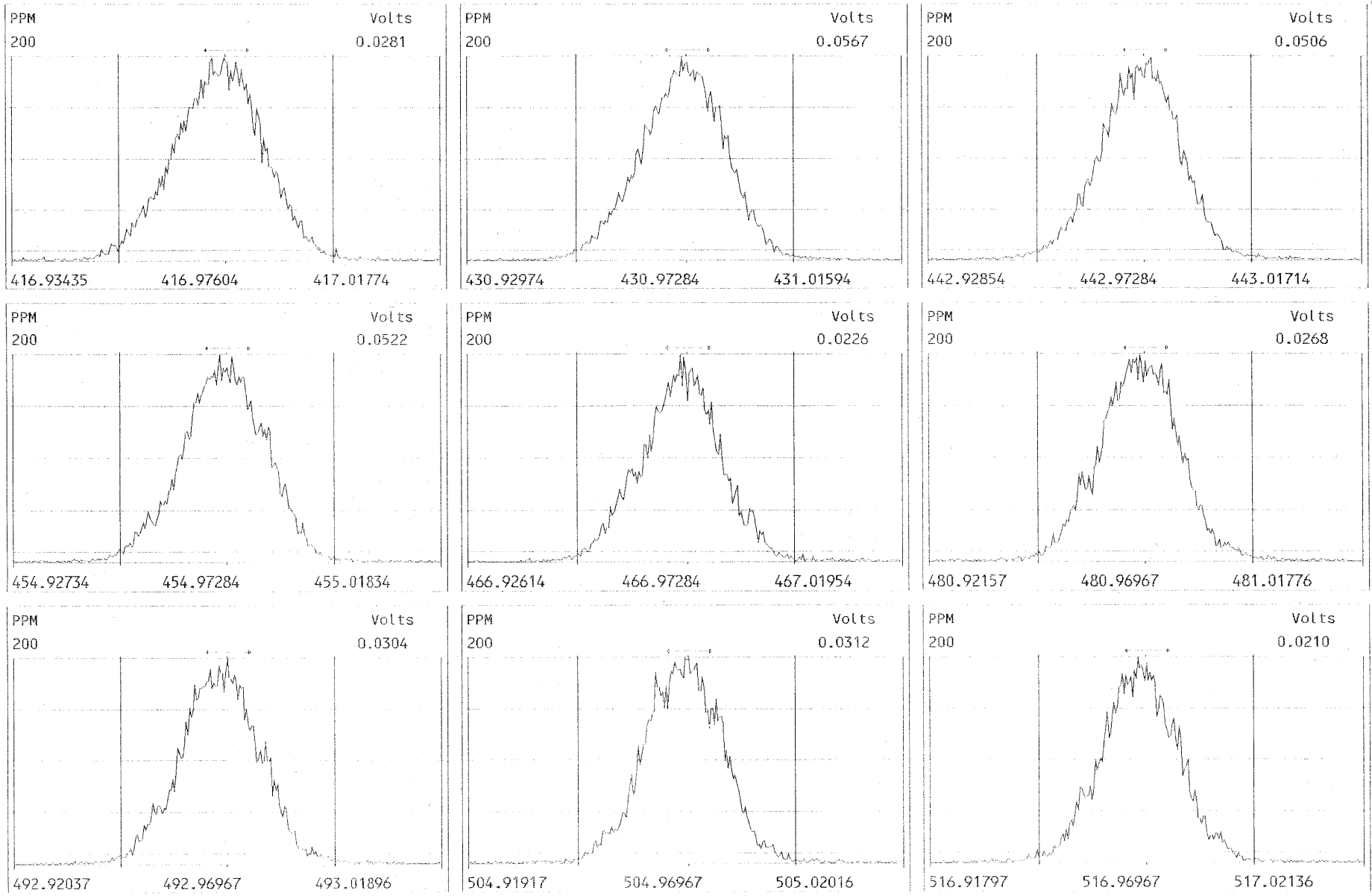
Peak Locate Examination: 1-FEB-2021:21:48 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination: 1-FEB-2021:21:50 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination: 1-FEB-2021:21:53 File:01FEB21Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



Cal: DAILY209FAL4-2-3-21

Run: 03FEB21Z Analyte: Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:03FEB21Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2642	-	1.26	
13C-PCB-1	0.9048	-	0.90	
PCB-2	1.2636	-	1.26	
PCB-3	1.2859	-	1.29	
13C-PCB-3	0.8492	-	0.85	
PCB-4	1.2456	-	1.25	
PCB-10	1.4946	-	1.49	
13C-PCB-4	0.6585	-	0.66	
PCB-9	1.4471	-	1.45	
PCB-7	1.5688	-	1.57	
PCB-6	1.5038	-	1.50	
PCB-8	1.4806	-	1.48	
PCB-5	1.5255	-	1.53	
PCB-14	1.4352	-	1.44	
PCB-11	1.3921	-	1.39	
PCB-13	1.4062	-	1.41	
PCB-12	1.4349	-	1.43	
PCB-15	1.2883	-	1.29	
13C-PCB-15	1.0151	-	1.02	
PCB-19	1.2729	-	1.27	
PCB-30	1.9405	-	1.94	
PCB-18	1.3250	-	1.32	
PCB-17	1.4301	-	1.43	
PCB-27	1.9071	-	1.91	
PCB-24	1.8979	-	1.90	
PCB-16	1.6046	-	1.60	
PCB-32	1.6026	-	1.60	
13C-PCB-19	0.4378	-	0.44	
13C-PCB-9	-	-	-	
PCB-34	1.1681	-	1.17	
PCB-23	1.4292	-	1.43	
PCB-29	1.3879	-	1.39	
PCB-26	1.3638	-	1.36	
PCB-25	1.3483	-	1.35	
PCB-31	1.3740	-	1.37	
PCB-28	1.5968	-	1.60	
PCB-20	1.3342	-	1.33	Co-elute PCB 21/33
PCB-21	1.3342	-	1.33	Co-elute PCB 20/33
PCB-33	1.3342	-	1.33	Co-elute PCB 20/21
PCB-22	1.4381	-	1.44	
PCB-36	1.3457	-	1.35	
PCB-39	1.3677	-	1.37	
PCB-38	1.3729	-	1.37	
PCB-35	1.2755	-	1.28	
PCB-37	1.3552	-	1.36	
13C-PCB-37	1.7237	-	1.72	

PCB-54	1.2747	-	1.27	
PCB-50	1.0932	-	1.09	
PCB-53	1.0853	-	1.09	
PCB-51	1.1057	-	1.11	
PCB-45	0.9522	-	0.95	
PCB-46	0.9148	-	0.91	
PCB-52	1.0944	-	1.09	Co-elute PCB 69
PCB-69	1.0944	-	1.09	Co-elute PCB 52
PCB-73	1.5216	-	1.52	
PCB-43	1.0343	-	1.03	Co-elute PCB 49
PCB-49	1.0343	-	1.03	Co-elute PCB 43
PCB-47	1.0511	-	1.05	
PCB-48	1.3263	-	1.33	Co-elute PCB 75
PCB-75	1.3263	-	1.33	Co-elute PCB 48
PCB-65	1.4185	-	1.42	
PCB-62	1.3275	-	1.33	
PCB-44	0.9156	-	0.92	
PCB-42	1.1657	-	1.17	Co-elute PCB 59
PCB-59	1.1657	-	1.17	Co-elute PCB 42
PCB-72	1.2995	-	1.30	Co-elute PCB 41/71/64
PCB-41	1.2995	-	1.30	Co-elute PCB 72/71/64
PCB-71	1.2995	-	1.30	Co-elute PCB 72/41/64
PCB-64	1.2995	-	1.30	Co-elute PCB 72/41/71
PCB-68	1.4727	-	1.47	
PCB-40	0.8403	-	0.84	
PCB-57	1.4063	-	1.41	
PCB-67	1.3395	-	1.34	
PCB-58	1.4702	-	1.47	
PCB-63	1.4344	-	1.43	
PCB-74	1.3741	-	1.37	
PCB-61	1.3417	-	1.34	Co-elute PCB 70
PCB-70	1.3417	-	1.34	Co-elute PCB 61
PCB-76	1.4562	-	1.46	Co-elute PCB 66
PCB-66	1.4562	-	1.46	Co-elute PCB 76
PCB-80	1.6245	-	1.62	
PCB-55	1.4875	-	1.49	
13C-PCB-54	1.1231	-	1.12	
PCB-104	1.1910	-	1.19	
PCB-96	1.1687	-	1.17	
PCB-103	0.9644	-	0.96	
PCB-100	0.9806	-	0.98	
PCB-94	0.8065	-	0.81	
PCB-98	0.8230	-	0.82	Co-elute PCB 102
PCB-102	0.8230	-	0.82	Co-elute PCB 98
PCB-95	0.8873	-	0.89	
PCB-93	0.8527	-	0.85	
PCB-88	0.9147	-	0.91	Co-elute PCB 91
PCB-91	0.9147	-	0.91	Co-elute PCB 88
PCB-121	1.1040	-	1.10	
13C-PCB-104	0.9213	-	0.92	
13C-PCB-28	2.0287	-	2.03	
13C-PCB-52	-	-	-	

PCB-56	1.2491	-	1.25	Co-elute PCB 60
PCB-60	1.2491	-	1.25	Co-elute PCB 56
PCB-79	1.3097	-	1.31	
PCB-78	1.2622	-	1.26	
PCB-81	1.3550	-	1.36	
13C-PCB-81	1.7247	-	1.72	
PCB-77	1.1577	-	1.16	
13C-PCB-77	1.7962	-	1.80	
PCB-155	1.0998	-	1.10	
PCB-150	1.0634	-	1.06	
PCB-152	1.0331	-	1.03	
PCB-145	1.0387	-	1.04	
PCB-136	1.0488	-	1.05	
PCB-148	0.7832	-	0.78	
PCB-154	0.9266	-	0.93	
13C-PCB-155	1.2091	-	1.21	
13C-PCB-111	1.2604	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.6822	-	0.68	Co-elute PCB 92
PCB-92	0.6822	-	0.68	Co-elute PCB 84
PCB-89	0.6999	-	0.70	
PCB-90	0.7843	-	0.78	Co-elute PCB 101
PCB-101	0.7843	-	0.78	Co-elute PCB 90
PCB-113	0.8599	-	0.86	
PCB-99	0.9060	-	0.91	
PCB-119	1.0340	-	1.03	
PCB-83	0.7913	-	0.79	Co-elute PCB 112
PCB-112	0.7913	-	0.79	Co-elute PCB 83
PCB-109	0.9771	-	0.98	
PCB-97	0.6833	-	0.68	
PCB-86	0.6863	-	0.69	
PCB-125	0.8933	-	0.89	Co-elute PCB 87/117
PCB-87	0.8933	-	0.89	Co-elute PCB 125/117
PCB-117	0.8933	-	0.89	Co-elute PCB 125/87
PCB-111	0.9903	-	0.99	Co-elute PCB 115
PCB-115	0.9903	-	0.99	Co-elute PCB 111
PCB-85	0.8653	-	0.87	Co-elute PCB 116
PCB-116	0.8653	-	0.87	Co-elute PCB 85
PCB-120	1.0646	-	1.06	
PCB-110	1.0276	-	1.03	
PCB-82	0.6184	-	0.62	
PCB-124	1.2462	-	1.25	
PCB-108	1.2330	-	1.23	Co-elute PCB 107
PCB-107	1.2330	-	1.23	Co-elute PCB 108
PCB-123	1.2361	-	1.24	
13C-PCB-123	1.4204	-	1.42	
PCB-118	1.1968	-	1.20	Co-elute PCB 106
PCB-106	1.1968	-	1.20	Co-elute PCB 118
13C-PCB-118	1.6148	-	1.61	
PCB-114	1.2702	-	1.27	
13C-PCB-114	1.5211	-	1.52	
PCB-122	1.2463	-	1.25	
PCB-105	1.2785	-	1.28	
13C-PCB-105	1.5042	-	1.50	
PCB-127	1.1993	-	1.20	
PCB-126	1.2371	-	1.24	
13C-PCB-126	1.4257	-	1.43	

PCB-151	0.8884	-	0.89	
PCB-135	0.8971	-	0.90	
PCB-144	1.1317	-	1.13	
PCB-147	1.0342	-	1.03	
PCB-139	1.0804	-	1.08	Co-elute PCB 149
PCB-149	1.0804	-	1.08	Co-elute PCB 139
PCB-140	1.0396	-	1.04	
PCB-143	0.8705	-	0.87	Co-elute PCB 134
PCB-134	0.8705	-	0.87	Co-elute PCB 143
PCB-131	0.8859	-	0.89	Co-elute PCB 133
PCB-133	0.8859	-	0.89	Co-elute PCB 131
PCB-142	0.8807	-	0.88	
PCB-165	1.1709	-	1.17	Co-elute PCB 146
PCB-146	1.1709	-	1.17	Co-elute PCB 165
PCB-161	1.1245	-	1.12	Co-elute PCB 132
PCB-132	1.1245	-	1.12	Co-elute PCB 161
PCB-153	1.1635	-	1.16	
PCB-168	1.2999	-	1.30	
PCB-141	1.0193	-	1.02	
PCB-137	1.0401	-	1.04	
PCB-130	0.8641	-	0.86	
PCB-138	1.1804	-	1.18	Co-elute PCB 163/164
PCB-163	1.1804	-	1.18	Co-elute PCB 138/164
PCB-164	1.1804	-	1.18	Co-elute PCB 138/163
PCB-158	1.3487	-	1.35	Co-elute PCB 160
PCB-160	1.3487	-	1.35	Co-elute PCB 158
PCB-129	0.8635	-	0.86	
PCB-166	1.2948	-	1.29	
PCB-159	1.3794	-	1.38	
PCB-128	1.0990	-	1.10	Co-elute PCB 162
PCB-162	1.0990	-	1.10	Co-elute PCB 128
PCB-167	1.2553	-	1.26	
13C-PCB-167	1.2037	-	1.20	
PCB-156	1.2896	-	1.29	
13C-PCB-156	1.1609	-	1.16	
PCB-157	1.2624	-	1.26	
13C-PCB-157	1.1905	-	1.19	
PCB-169	1.1743	-	1.17	
13C-PCB-169	1.1409	-	1.14	
PCB-188	1.1544	-	1.15	
13C-PCB-188	1.0574	-	1.06	

PCB-184	1.2549	-	1.25	
PCB-179	1.2441	-	1.24	
PCB-176	1.2099	-	1.21	
PCB-186	1.2457	-	1.25	
PCB-178	0.8820	-	0.88	
PCB-175	0.9438	-	0.94	
PCB-187	0.9977	-	1.00	Co-elute PCB 182
PCB-182	0.9977	-	1.00	Co-elute PCB 187
PCB-183	0.9874	-	0.99	
PCB-185	0.9194	-	0.92	
PCB-174	0.9186	-	0.92	
PCB-181	0.9118	-	0.91	
PCB-177	0.8510	-	0.85	
PCB-171	0.8834	-	0.88	
PCB-173	0.8051	-	0.81	
PCB-172	0.8459	-	0.85	
PCB-192	1.1290	-	1.13	
PCB-180	0.8817	-	0.88	
PCB-193	1.2085	-	1.21	
PCB-191	1.1748	-	1.17	
PCB-170	0.8297	-	0.83	
PCB-190	1.1252	-	1.13	
PCB-189	1.1331	-	1.13	
13C-PCB-189	0.9327	-	0.93	
PCB-202	1.0606	-	1.06	
PCB-201	1.1385	-	1.14	
PCB-204	1.1164	-	1.12	
PCB-197	1.1705	-	1.17	
PCB-200	1.1096	-	1.11	
PCB-198	0.7433	-	0.74	
PCB-199	0.8799	-	0.88	
PCB-203	0.8815	-	0.88	Co-elute PCB 196
PCB-196	0.8815	-	0.88	Co-elute PCB 203
13C-PCB-202	0.9167	-	0.92	
13C-PCB-178	0.7863	-	0.79	
13C-PCB-138	-	-	-	
PCB-195	0.9881	-	0.99	
PCB-194	1.0039	-	1.00	
PCB-205	1.2232	-	1.22	
13C-PCB-205	1.2636	-	1.26	
PCB-208	1.1201	-	1.12	
13C-PCB-208	1.1856	-	1.19	
PCB-207	1.3040	-	1.30	
PCB-206	1.1780	-	1.18	
13C-PCB-206	0.8320	-	0.83	
PCB-209	1.2145	-	1.21	
13C-PCB-209	0.9485	-	0.95	
13C-PCB-194	-	-	-	

Analyst: [signature] Date: 2/4/21

Run #1 Filename 03FEB21Z S: 1 Acquired: 3-FEB-21 08:42:45 Cal: DAILY209FAL4-2-3-21
Client ID: ST020321Z1 Analyte: FAL ID: CS209 210115A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	8.64e+07	3.21 y	14:31	-	1.26	
2	IS/RT	13C-PCB-1	100.00	1.37e+08	3.12 y	14:30	-	0.905	
3	Unk	PCB-2	50.00	8.37e+07	3.21 y	16:43	-	1.26	
4	Unk	PCB-3	50.00	8.25e+07	3.13 y	16:57	-	1.29	
5	IS/RT	13C-PCB-3	100.00	1.28e+08	3.20 y	16:56	-	0.849	
6	Unk	PCB-4	50.00	6.19e+07	1.54 y	18:11	-	1.25	
7	Unk	PCB-10	50.00	9.44e+07	1.62 y	18:15	-	1.49	
8	IS/RT	13C-PCB-4	100.00	9.95e+07	1.60 y	18:10	-	0.658	
9	Unk	PCB-9	50.00	9.14e+07	1.57 y	19:52	-	1.45	
10	Unk	PCB-7	50.00	9.91e+07	1.57 y	19:54	-	1.57	
11	Unk	PCB-6	50.00	9.50e+07	1.58 y	20:29	-	1.50	
12	Unk	PCB-8	50.00	9.36e+07	1.51 y	20:53	-	1.48	
13	Unk	PCB-5	50.00	9.64e+07	1.59 y	20:54	-	1.53	
14	Unk	PCB-14	50.00	9.07e+07	1.59 y	21:56	-	1.44	
15	Unk	PCB-11	50.00	8.80e+07	1.59 y	23:03	-	1.39	
16	Unk	PCB-13	50.00	8.89e+07	1.55 y	23:24	-	1.41	
17	Unk	PCB-12	50.00	9.07e+07	1.59 y	23:27	-	1.43	
18	Unk	PCB-15	50.00	9.87e+07	1.58 y	23:44	-	1.29	
19	IS/RT	13C-PCB-15	100.00	1.53e+08	1.60 y	23:42	-	1.02	
20	Unk	PCB-19	50.00	4.21e+07	1.05 y	22:04	-	1.27	
21	Unk	PCB-30	50.00	6.42e+07	1.06 y	22:55	-	1.94	
22	Unk	PCB-18	50.00	4.38e+07	1.04 y	23:37	-	1.32	
23	Unk	PCB-17	50.00	4.73e+07	1.07 y	23:47	-	1.43	
24	Unk	PCB-27	50.00	6.31e+07	1.07 y	24:19	-	1.91	
25	Unk	PCB-24	50.00	6.28e+07	1.04 y	24:20	-	1.90	
26	Unk	PCB-16	50.00	5.31e+07	1.04 y	24:49	-	1.60	
27	Unk	PCB-32	50.00	5.30e+07	1.03 y	24:50	-	1.60	
28	IS/RT	13C-PCB-19	100.00	6.61e+07	1.07 y	22:03	-	0.438	
29	RS	13C-PCB-9	100.00	1.51e+08	1.60 y	19:50	1.51e+06	-	
30	Unk	PCB-34	50.00	7.24e+07	1.02 y	25:34	-	1.17	
31	Unk	PCB-23	50.00	8.86e+07	1.05 y	25:40	-	1.43	
32	Unk	PCB-29	50.00	8.61e+07	1.04 y	25:54	-	1.39	
33	Unk	PCB-26	50.00	8.46e+07	1.07 y	26:05	-	1.36	
34	Unk	PCB-25	50.00	8.36e+07	1.07 y	26:15	-	1.35	
35	Unk	PCB-31	50.00	8.52e+07	1.04 y	26:36	-	1.37	
36	Unk	PCB-28	50.00	9.90e+07	1.09 y	26:41	-	1.60	
37	Unk	PCB-20	150.00	2.48e+08	1.06 y	27:16	-	1.33	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	2.48e+08	1.06 y	27:16	-	1.33	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	2.48e+08	1.06 y	27:16	-	1.33	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	8.92e+07	1.06 y	27:41	-	1.44	
41	Unk	PCB-36	50.00	8.35e+07	1.07 y	28:17	-	1.35	
42	Unk	PCB-39	50.00	8.48e+07	1.07 y	28:43	-	1.37	
43	Unk	PCB-38	50.00	8.51e+07	1.06 y	29:28	-	1.37	
44	Unk	PCB-35	50.00	7.91e+07	1.08 y	29:58	-	1.28	
45	Unk	PCB-37	50.00	8.40e+07	1.11 y	30:23	-	1.36	
46	IS	13C-PCB-37	100.00	1.24e+08	1.10 y	30:22	-	1.72	

47	Unk	PCB-54	100.00	1.03e+08	0.81 y	25:36	-	1.27	
48	Unk	PCB-50	100.00	8.84e+07	0.79 y	26:43	-	1.09	
49	Unk	PCB-53	100.00	8.77e+07	0.80 y	27:19	-	1.09	
50	Unk	PCB-51	100.00	8.94e+07	0.80 y	27:39	-	1.11	
51	Unk	PCB-45	100.00	7.70e+07	0.80 y	28:03	-	0.952	
52	Unk	PCB-46	100.00	7.39e+07	0.79 y	28:31	-	0.915	
53	Unk	PCB-52	200.00	1.77e+08	0.79 y	28:59	-	1.09	Co-elute PCB 69
54	Unk	PCB-69	200.00	1.77e+08	0.79 y	28:59	-	1.09	Co-elute PCB 52
55	Unk	PCB-73	100.00	1.23e+08	0.79 y	29:05	-	1.52	
56	Unk	PCB-43	200.00	1.67e+08	0.79 y	29:14	-	1.03	Co-elute PCB 49
57	Unk	PCB-49	200.00	1.67e+08	0.79 y	29:14	-	1.03	Co-elute PCB 43
58	Unk	PCB-47	100.00	8.49e+07	0.79 y	29:26	-	1.05	
59	Unk	PCB-48	200.00	2.14e+08	0.79 y	29:33	-	1.33	Co-elute PCB 75
60	Unk	PCB-75	200.00	2.14e+08	0.79 y	29:33	-	1.33	Co-elute PCB 48
61	Unk	PCB-65	100.00	1.15e+08	0.78 y	29:48	-	1.42	
62	Unk	PCB-62	100.00	1.07e+08	0.80 y	29:54	-	1.33	
63	Unk	PCB-44	100.00	7.40e+07	0.78 y	30:11	-	0.916	
64	Unk	PCB-42	200.00	1.88e+08	0.79 y	30:24	-	1.17	Co-elute PCB 59
65	Unk	PCB-59	200.00	1.88e+08	0.79 y	30:24	-	1.17	Co-elute PCB 42
66	Unk	PCB-72	400.00	4.20e+08	0.79 y	30:57	-	1.30	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	4.20e+08	0.79 y	30:57	-	1.30	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	4.20e+08	0.79 y	30:57	-	1.30	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	4.20e+08	0.79 y	30:57	-	1.30	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	1.19e+08	0.80 y	31:13	-	1.47	
71	Unk	PCB-40	100.00	6.79e+07	0.79 y	31:25	-	0.840	
72	Unk	PCB-57	100.00	1.14e+08	0.79 y	31:45	-	1.41	
73	Unk	PCB-67	100.00	1.08e+08	0.78 y	32:03	-	1.34	
74	Unk	PCB-58	100.00	1.19e+08	0.82 y	32:09	-	1.47	
75	Unk	PCB-63	100.00	1.16e+08	0.78 y	32:18	-	1.43	
76	Unk	PCB-74	100.00	1.11e+08	0.79 y	32:35	-	1.37	
77	Unk	PCB-61	200.00	2.17e+08	0.79 y	32:46	-	1.34	Co-elute PCB 70
78	Unk	PCB-70	200.00	2.17e+08	0.79 y	32:46	-	1.34	Co-elute PCB 61
79	Unk	PCB-76	200.00	2.35e+08	0.79 y	32:55	-	1.46	Co-elute PCB 66
80	Unk	PCB-66	200.00	2.35e+08	0.79 y	32:55	-	1.46	Co-elute PCB 76
81	Unk	PCB-80	100.00	1.31e+08	0.80 y	33:11	-	1.62	
82	Unk	PCB-55	100.00	1.20e+08	0.79 y	33:29	-	1.49	
83	IS/RT	13C-PCB-54	100.00	8.08e+07	0.82 y	25:35	-	1.12	
84	Unk	PCB-104	100.00	7.90e+07	1.57 y	30:03	-	1.19	
85	Unk	PCB-96	100.00	7.75e+07	1.58 y	31:15	-	1.17	
86	Unk	PCB-103	100.00	6.39e+07	1.55 y	31:45	-	0.964	
87	Unk	PCB-100	100.00	6.50e+07	1.56 y	32:06	-	0.981	
88	Unk	PCB-94	100.00	5.35e+07	1.58 y	32:32	-	0.807	
89	Unk	PCB-98	200.00	1.09e+08	1.54 y	32:59	-	0.823	Co-elute PCB 102
90	Unk	PCB-102	200.00	1.09e+08	1.54 y	32:59	-	0.823	Co-elute PCB 98
91	Unk	PCB-95	100.00	5.88e+07	1.53 y	33:01	-	0.887	
92	Unk	PCB-93	100.00	5.65e+07	1.62 y	33:08	-	0.853	
93	Unk	PCB-88	200.00	1.21e+08	1.54 y	33:25	-	0.915	Co-elute PCB 91
94	Unk	PCB-91	200.00	1.21e+08	1.54 y	33:25	-	0.915	Co-elute PCB 88
95	Unk	PCB-121	100.00	7.32e+07	1.59 y	33:30	-	1.10	
96	IS	13C-PCB-104	100.00	6.63e+07	1.59 y	30:02	-	0.921	
97	C/Up	13C-PCB-28	100.00	1.46e+08	1.06 y	26:39	-	2.03	
98	RS	13C-PCB-52	100.00	7.20e+07	0.79 y	28:56	7.20e+05	-	
99	Unk	PCB-56	200.00	2.67e+08	0.77 y	33:58	-	1.25	Co-elute PCB 60
100	Unk	PCB-60	200.00	2.67e+08	0.77 y	33:58	-	1.25	Co-elute PCB 56

101	Unk	PCB-79	100.00	1.40e+08	0.80 y	34:59	-	1.31		
102	Unk	PCB-78	100.00	1.35e+08	0.79 y	35:39	-	1.26		
103	Unk	PCB-81	100.00	1.42e+08	0.79 y	36:09	-	1.36		
104	IS	13C-PCB-81	100.00	1.05e+08	0.80 y	36:08	-	1.72		
105	Unk	PCB-77	100.00	1.26e+08	0.79 y	36:43	-	1.16		
106	IS/RT	13C-PCB-77	100.00	1.09e+08	0.79 y	36:42	-	1.80		
107	Unk	PCB-155	100.00	8.07e+07	1.24 y	34:13	-	1.10		
108	Unk	PCB-150	100.00	7.80e+07	1.26 y	35:24	-	1.06		
109	Unk	PCB-152	100.00	7.58e+07	1.24 y	35:52	-	1.03		
110	Unk	PCB-145	100.00	7.62e+07	1.25 y	36:17	-	1.04		
111	Unk	PCB-136	100.00	7.69e+07	1.24 y	36:36	-	1.05		
112	Unk	PCB-148	100.00	5.74e+07	1.27 y	36:41	-	0.783		
113	Unk	PCB-154	100.00	6.80e+07	1.24 y	37:09	-	0.927		
114	IS	13C-PCB-155	100.00	7.33e+07	1.28 y	34:12	-	1.21		
115	C/Up	13C-PCB-111	100.00	7.65e+07	1.60 y	36:17	-	1.26		
116	RS	13C-PCB-101	100.00	6.07e+07	1.61 y	34:38	6.07e+05	-		
117	Unk	PCB-84	200.00	1.30e+08	1.59 y	34:18	-	0.682	Co-elute PCB 92	
118	Unk	PCB-92	200.00	1.30e+08	1.59 y	34:18	-	0.682	Co-elute PCB 84	
119	Unk	PCB-89	100.00	6.67e+07	1.58 y	34:28	-	0.700		
120	Unk	PCB-90	200.00	1.49e+08	1.58 y	34:38	-	0.784	Co-elute PCB 101	
121	Unk	PCB-101	200.00	1.49e+08	1.58 y	34:38	-	0.784	Co-elute PCB 90	
122	Unk	PCB-113	100.00	8.19e+07	1.59 y	34:52	-	0.860		
123	Unk	PCB-99	100.00	8.63e+07	1.62 y	34:59	-	0.906		
124	Unk	PCB-119	100.00	9.85e+07	1.57 y	35:24	-	1.03		
125	Unk	PCB-83	200.00	1.51e+08	1.57 y	35:33	-	0.791	Co-elute PCB 112	
126	Unk	PCB-112	200.00	1.51e+08	1.57 y	35:33	-	0.791	Co-elute PCB 83	
127	Unk	PCB-109	100.00	9.31e+07	1.58 y	35:43	-	0.977		
128	Unk	PCB-97	100.00	6.51e+07	1.57 y	35:53	-	0.683		
129	Unk	PCB-86	100.00	6.54e+07	1.54 y	36:02	-	0.686		
130	Unk	PCB-125	300.00	2.55e+08	1.59 y	36:09	-	0.893	Co-elute PCB 87/117	
131	Unk	PCB-87	300.00	2.55e+08	1.59 y	36:09	-	0.893	Co-elute PCB 125/117	
132	Unk	PCB-117	300.00	2.55e+08	1.59 y	36:09	-	0.893	Co-elute PCB 125/87	
133	Unk	PCB-111	200.00	1.89e+08	1.58 y	36:18	-	0.990	Co-elute PCB 115	
134	Unk	PCB-115	200.00	1.89e+08	1.58 y	36:18	-	0.990	Co-elute PCB 111	
135	Unk	PCB-85	200.00	1.65e+08	1.59 y	36:26	-	0.865	Co-elute PCB 116	
136	Unk	PCB-116	200.00	1.65e+08	1.59 y	36:26	-	0.865	Co-elute PCB 85	
137	Unk	PCB-120	100.00	1.01e+08	1.57 y	36:40	-	1.06		
138	Unk	PCB-110	100.00	9.79e+07	1.60 y	36:47	-	1.03		
139	Unk	PCB-82	100.00	5.89e+07	1.59 y	37:23	-	0.618		
140	Unk	PCB-124	100.00	1.19e+08	1.54 y	38:03	-	1.25		
141	Unk	PCB-108	200.00	2.35e+08	1.57 y	38:11	-	1.23	Co-elute PCB 107	
142	Unk	PCB-107	200.00	2.35e+08	1.57 y	38:11	-	1.23	Co-elute PCB 108	
143	Unk	PCB-123	100.00	1.10e+08	1.58 y	38:21	-	1.24		
144	IS	13C-PCB-123	100.00	8.93e+07	1.61 y	38:19	-	1.42		
145	Unk	PCB-118	200.00	2.43e+08	1.56 y	38:32	-	1.20	Co-elute PCB 106	
146	Unk	PCB-106	200.00	2.43e+08	1.56 y	38:32	-	1.20	Co-elute PCB 118	
147	IS	13C-PCB-118	100.00	1.01e+08	1.59 y	38:29	-	1.61		
148	Unk	PCB-114	100.00	1.21e+08	1.55 y	39:09	-	1.27		
149	IS	13C-PCB-114	100.00	9.56e+07	1.61 y	39:07	-	1.52		
150	Unk	PCB-122	100.00	1.19e+08	1.57 y	39:15	-	1.25		
151	Unk	PCB-105	100.00	1.21e+08	1.57 y	39:58	-	1.28		
152	IS	13C-PCB-105	100.00	9.45e+07	1.61 y	39:56	-	1.50		
153	Unk	PCB-127	100.00	1.14e+08	1.60 y	40:16	-	1.20		
154	Unk	PCB-126	100.00	1.11e+08	1.55 y	42:05	-	1.24		
155	IS	13C-PCB-126	100.00	8.96e+07	1.59 y	42:05	-	1.43		

156	Unk	PCB-151	100.00	6.56e+07	1.30 y	37:46	-	0.888	
157	Unk	PCB-135	100.00	6.62e+07	1.27 y	37:58	-	0.897	
158	Unk	PCB-144	100.00	8.35e+07	1.30 y	38:04	-	1.13	
159	Unk	PCB-147	100.00	7.63e+07	1.28 y	38:13	-	1.03	
160	Unk	PCB-139	200.00	1.59e+08	1.27 y	38:27	-	1.08	Co-elute PCB 149
161	Unk	PCB-149	200.00	1.59e+08	1.27 y	38:27	-	1.08	Co-elute PCB 139
162	Unk	PCB-140	100.00	7.67e+07	1.28 y	38:39	-	1.04	
163	Unk	PCB-143	200.00	1.28e+08	1.28 y	39:02	-	0.871	Co-elute PCB 134
164	Unk	PCB-134	200.00	1.28e+08	1.28 y	39:02	-	0.871	Co-elute PCB 143
165	Unk	PCB-131	200.00	1.31e+08	1.26 y	39:20	-	0.886	Co-elute PCB 133
166	Unk	PCB-133	200.00	1.31e+08	1.26 y	39:20	-	0.886	Co-elute PCB 131
167	Unk	PCB-142	100.00	6.50e+07	1.29 y	39:28	-	0.881	
168	Unk	PCB-165	200.00	1.73e+08	1.26 y	39:42	-	1.17	Co-elute PCB 146
169	Unk	PCB-146	200.00	1.73e+08	1.26 y	39:42	-	1.17	Co-elute PCB 165
170	Unk	PCB-161	200.00	1.66e+08	1.27 y	39:55	-	1.12	Co-elute PCB 132
171	Unk	PCB-132	200.00	1.66e+08	1.27 y	39:55	-	1.12	Co-elute PCB 161
172	Unk	PCB-153	100.00	8.59e+07	1.28 y	40:05	-	1.16	
173	Unk	PCB-168	100.00	9.59e+07	1.28 y	40:16	-	1.30	
174	Unk	PCB-141	100.00	7.52e+07	1.29 y	40:47	-	1.02	
175	Unk	PCB-137	100.00	7.68e+07	1.24 y	41:09	-	1.04	
176	Unk	PCB-130	100.00	6.38e+07	1.29 y	41:14	-	0.864	
177	Unk	PCB-138	300.00	2.61e+08	1.28 y	41:37	-	1.18	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	2.61e+08	1.28 y	41:37	-	1.18	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	2.61e+08	1.28 y	41:37	-	1.18	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	1.99e+08	1.28 y	41:50	-	1.35	Co-elute PCB 160
181	Unk	PCB-160	200.00	1.99e+08	1.28 y	41:50	-	1.35	Co-elute PCB 158
182	Unk	PCB-129	100.00	6.37e+07	1.28 y	42:03	-	0.864	
183	Unk	PCB-166	100.00	9.55e+07	1.25 y	42:31	-	1.29	
184	Unk	PCB-159	100.00	1.02e+08	1.26 y	42:48	-	1.38	
185	Unk	PCB-128	200.00	1.62e+08	1.27 y	43:04	-	1.10	Co-elute PCB 162
186	Unk	PCB-162	200.00	1.62e+08	1.27 y	43:04	-	1.10	Co-elute PCB 128
187	Unk	PCB-167	100.00	9.50e+07	1.27 y	43:27	-	1.26	
188	IS	13C-PCB-167	100.00	7.57e+07	1.29 y	43:25	-	1.20	
189	Unk	PCB-156	100.00	9.41e+07	1.24 y	44:41	-	1.29	
190	IS	13C-PCB-156	100.00	7.30e+07	1.31 y	44:39	-	1.16	
191	Unk	PCB-157	100.00	9.45e+07	1.26 y	44:56	-	1.26	
192	IS	13C-PCB-157	100.00	7.48e+07	1.30 y	44:54	-	1.19	
193	Unk	PCB-169	100.00	8.42e+07	1.29 y	46:48	-	1.17	
194	IS	13C-PCB-169	100.00	7.17e+07	1.28 y	46:48	-	1.14	
195	Unk	PCB-188	100.00	7.67e+07	1.06 y	39:43	-	1.15	
196	IS	13C-PCB-188	100.00	6.65e+07	1.05 y	39:42	-	1.06	

197	Unk	PCB-184	100.00	7.85e+07	1.07 y	40:08	-	1.25	
198	Unk	PCB-179	100.00	7.78e+07	1.06 y	40:52	-	1.24	
199	Unk	PCB-176	100.00	7.57e+07	1.05 y	41:19	-	1.21	
200	Unk	PCB-186	100.00	7.79e+07	1.05 y	41:55	-	1.25	
201	Unk	PCB-178	100.00	5.52e+07	1.05 y	42:21	-	0.882	
202	Unk	PCB-175	100.00	5.90e+07	1.05 y	42:41	-	0.944	
203	Unk	PCB-187	200.00	1.25e+08	1.05 y	42:51	-	0.998	Co-elute PCB 182
204	Unk	PCB-182	200.00	1.25e+08	1.05 y	42:51	-	0.998	Co-elute PCB 187
205	Unk	PCB-183	100.00	6.18e+07	1.05 y	43:09	-	0.987	
206	Unk	PCB-185	100.00	5.75e+07	1.05 y	43:47	-	0.919	
207	Unk	PCB-174	100.00	5.75e+07	1.20 y	44:08	-	0.919	
208	Unk	PCB-181	100.00	5.70e+07	0.93 y	44:15	-	0.912	
209	Unk	PCB-177	100.00	5.32e+07	1.04 y	44:23	-	0.851	
210	Unk	PCB-171	100.00	5.52e+07	1.04 y	44:39	-	0.883	
211	Unk	PCB-173	100.00	5.04e+07	1.05 y	45:04	-	0.805	
212	Unk	PCB-172	100.00	5.29e+07	1.07 y	45:27	-	0.846	
213	Unk	PCB-192	100.00	7.06e+07	1.04 y	45:39	-	1.13	
214	Unk	PCB-180	100.00	5.51e+07	1.05 y	45:49	-	0.882	
215	Unk	PCB-193	100.00	7.56e+07	1.05 y	45:58	-	1.21	
216	Unk	PCB-191	100.00	7.35e+07	1.05 y	46:12	-	1.17	
217	Unk	PCB-170	100.00	5.19e+07	1.04 y	47:06	-	0.830	
218	Unk	PCB-190	100.00	7.04e+07	1.05 y	47:16	-	1.13	
219	Unk	PCB-189	100.00	6.64e+07	1.06 y	48:27	-	1.13	
220	IS	13C-PCB-189	100.00	5.86e+07	1.06 y	48:27	-	0.933	
221	Unk	PCB-202	150.00	9.17e+07	0.89 y	44:51	-	1.06	
222	Unk	PCB-201	150.00	9.84e+07	0.93 y	45:17	-	1.14	
223	Unk	PCB-204	150.00	9.65e+07	0.87 y	45:26	-	1.12	
224	Unk	PCB-197	150.00	1.01e+08	0.88 y	45:42	-	1.17	
225	Unk	PCB-200	150.00	9.59e+07	0.91 y	46:26	-	1.11	
226	Unk	PCB-198	150.00	6.42e+07	0.87 y	47:37	-	0.743	
227	Unk	PCB-199	150.00	7.60e+07	0.91 y	47:42	-	0.880	
228	Unk	PCB-203	300.00	1.52e+08	0.91 y	47:57	-	0.881	Co-elute PCB 196
229	Unk	PCB-196	300.00	1.52e+08	0.91 y	47:57	-	0.881	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	5.76e+07	0.90 y	44:49	-	0.917	
231	C/Up	13C-PCB-178	100.00	4.94e+07	1.07 y	42:21	-	0.786	
232	RS	13C-PCB-138	100.00	6.29e+07	1.29 y	41:33	6.29e+05	-	
233	Unk	PCB-195	150.00	1.04e+08	0.90 y	49:03	-	0.988	
234	Unk	PCB-194	150.00	1.06e+08	0.91 y	49:52	-	1.00	
235	Unk	PCB-205	150.00	1.29e+08	0.91 y	50:06	-	1.22	
236	IS	13C-PCB-205	100.00	7.03e+07	0.89 y	50:06	-	1.26	
237	Unk	PCB-208	150.00	1.11e+08	1.37 y	49:10	-	1.12	
238	IS	13C-PCB-208	100.00	6.59e+07	0.80 y	49:09	-	1.19	
239	Unk	PCB-207	150.00	1.10e+08	1.34 y	49:27	-	1.30	
240	Unk	PCB-206	150.00	8.17e+07	1.37 y	51:18	-	1.18	
241	IS	13C-PCB-206	100.00	4.63e+07	0.80 y	51:18	-	0.832	
242	Unk	PCB-209	150.00	9.61e+07	1.19 y	52:29	-	1.21	
243	IS	13C-PCB-209	100.00	5.27e+07	1.20 y	52:28	-	0.948	
244	RS	13C-PCB-194	100.00	5.56e+07	0.91 y	49:50	5.56e+05	-	

Analyst: [illegible] Date: 2/4/21

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:1 Analysis Date: 3-FEB-21 08:42:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.21	2.66-3.60	y	53.0	37.5 - 62.5
PCB-3	M/M+2	3.13	2.66-3.60	y	52.6	37.5 - 62.5
PCB-4	M/M+2	1.54	1.33-1.79	y	51.7	37.5 - 62.5
PCB-15	M/M+2	1.58	1.33-1.79	y	55.1	37.5 - 62.5
PCB-19	M/M+2	1.05	0.88-1.20	y	51.9	37.5 - 62.5
PCB-37	M/M+2	1.11	0.88-1.20	y	57.7	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	104	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	113	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	114	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	112	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	1.58	1.32-1.78	y	108	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-155	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-156	M+2/M+4	1.24	1.05-1.43	y	112	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	110	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	1.29	1.05-1.43	y	104	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125
PCB-202	M+2/M+4	0.89	0.76-1.02	y	151	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	151	112.5 - 187.5
PCB-206	M+4/M+6	1.37	1.13-1.53	y	168	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	162	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	158	112.5 - 187.5

Analyst: _____ Date: 2/4/21

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:1 Analysis Date: 3-FEB-21 08:42:45

	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	3.12	2.66-3.60	y	89.5	50.0 - 145
13C-PCB-3	M/M+2	3.20	2.66-3.60	y	83.1	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	91.9	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	97.6	50.0 - 145
13C-PCB-19	M/M+2	1.07	0.88-1.20	y	79.3	50.0 - 145
13C-PCB-37	M/M+2	1.10	0.88-1.20	y	105	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	84.1	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	117	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	115	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	84.8	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	109	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	109	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	112	50.0 - 145
13C-PCB-123	M+2/M+4	1.61	1.32-1.78	y	106	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	107	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	89.3	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	95.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	94.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	97.5	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	93.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.05	0.89-1.21	y	87.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	86.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	83.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	96.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	80.7	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	83.7	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	77.1	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	117	65.0 - 135
13C-PCB-111	M+2/M+4	1.60	1.32-1.78	y	99.0	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	91.9	75.0 - 125

Analyst: _____ Date: 2/4/21

FAL ID: ST02032121 Filename: 03FEB21Z Sam:1 Acquired: 3-FEB-21 08:42:45 ICal: 1668PCBFAL4-12-2-20
Client ID: CS209 210115A ConCal: ST02032121 EndCal: ST02032122
Results: 03FEB21Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	8.64e+07	3.21 y	14:31	1.19	53.0		2.50	-	-	*	-
13C-PCB-1	1.37e+08	3.12 y	14:30	1.01	89.5		2.50				89.5
PCB-3	8.25e+07	3.13 y	16:57	1.22	52.6		2.50	-	-	*	-
13C-PCB-3	1.28e+08	3.20 y	16:56	1.02	83.1		2.50				83.1
PCB-4	6.19e+07	1.54 y	18:11	1.20	51.7		2.50	-	-	*	-
13C-PCB-4	9.95e+07	1.60 y	18:10	0.72	91.9		2.50				91.9
PCB-15	9.87e+07	1.58 y	23:44	1.17	55.1		2.50	-	-	*	-
13C-PCB-15	1.53e+08	1.60 y	23:42	1.04	97.6		2.50				97.6
PCB-19	4.21e+07	1.05 y	22:04	1.23	51.9		2.50	-	-	*	-
13C-PCB-19	6.61e+07	1.07 y	22:03	0.55	79.3		2.50				79.3
13C-PCB-9	1.51e+08	1.60 y	19:50	-	140		2.50				
PCB-37	8.40e+07	1.11 y	30:23	1.17	57.7		2.50	-	-	*	-
13C-PCB-37	1.24e+08	1.10 y	30:22	1.64	105		2.50				105
PCB-54	1.03e+08	0.81 y	25:36	1.23	104		2.50	-	-	*	-
13C-PCB-54	8.08e+07	0.82 y	25:35	1.33	84.1		2.50				84.1
PCB-104	7.90e+07	1.57 y	30:03	1.12	106		2.50	-	-	*	-
13C-PCB-104	6.63e+07	1.59 y	30:02	1.09	84.8		2.50				84.8
13C-PCB-28	1.46e+08	1.06 y	26:39	1.74	117		2.50				117
13C-PCB-52	7.20e+07	0.79 y	28:56	-	130		2.50				
PCB-81	1.42e+08	0.79 y	36:09	1.20	113		2.50	-	-	*	-
13C-PCB-81	1.05e+08	0.80 y	36:08	1.50	115		2.50				115
PCB-77	1.26e+08	0.79 y	36:43	1.15	101		2.50	-	-	*	-
13C-PCB-77	1.09e+08	0.79 y	36:42	1.54	117		2.50				117
PCB-155	8.07e+07	1.24 y	34:13	1.07	103		2.50	-	-	*	-
13C-PCB-155	7.33e+07	1.28 y	34:12	1.35	89.3		2.50				89.3
13C-PCB-111	7.65e+07	1.60 y	36:17	1.27	99.0		2.50				99.0
13C-PCB-101	6.07e+07	1.61 y	34:38	-	129		2.50				
PCB-123	1.10e+08	1.58 y	38:21	1.14	108		2.50	-	-	*	-
13C-PCB-123	8.93e+07	1.61 y	38:19	1.34	106		2.50				106
PCB-118	2.43e+08	1.56 y	38:32	1.15	208		2.50	-	-	*	-
13C-PCB-118	1.01e+08	1.59 y	38:29	1.44	112		2.50				112
PCB-114	1.21e+08	1.55 y	39:09	1.13	112		2.50	-	-	*	-
13C-PCB-114	9.56e+07	1.61 y	39:07	1.39	109		2.50				109
PCB-105	1.21e+08	1.57 y	39:58	1.12	114		2.50	-	-	*	-
13C-PCB-105	9.45e+07	1.61 y	39:56	1.38	109		2.50				109
PCB-126	1.11e+08	1.55 y	42:05	1.12	110		2.50	-	-	*	-
13C-PCB-126	8.96e+07	1.59 y	42:05	1.33	107		2.50				107
PCB-167	9.50e+07	1.27 y	43:27	1.14	110		2.50	-	-	*	-
13C-PCB-167	7.57e+07	1.29 y	43:25	1.23	97.5		2.50				97.5
PCB-156	9.41e+07	1.24 y	44:41	1.16	112		2.50	-	-	*	-
13C-PCB-156	7.30e+07	1.31 y	44:39	1.22	95.1		2.50				95.1
PCB-157	9.45e+07	1.26 y	44:56	1.15	110		2.50	-	-	*	-
13C-PCB-157	7.48e+07	1.30 y	44:54	1.26	94.5		2.50				94.5
PCB-169	8.42e+07	1.29 y	46:48	1.13	104		2.50	-	-	*	-
13C-PCB-169	7.17e+07	1.28 y	46:48	1.22	93.8		2.50				93.8
PCB-188	7.67e+07	1.06 y	39:43	1.12	103		2.50	-	-	*	-
13C-PCB-188	6.65e+07	1.05 y	39:42	1.21	87.3		2.50				87.3
PCB-189	6.64e+07	1.06 y	48:27	1.10	103		2.50	-	-	*	-
13C-PCB-189	5.86e+07	1.06 y	48:27	1.08	86.2		2.50				86.2
PCB-202	9.17e+07	0.89 y	44:51	1.06	151		2.50	-	-	*	-
13C-PCB-202	5.76e+07	0.90 y	44:49	1.10	83.3		2.50				83.3
13C-PCB-178	4.94e+07	1.07 y	42:21	0.86	91.9		2.50				91.9
13C-PCB-138	6.29e+07	1.29 y	41:33	-	135		2.50				

Client ID: CS209 210115A ConCal: ST02032121 EndCal: ST02032122
Results: 03FEB21Z GC Column: DB1MS Amount: 1.000

PCB-205	1.29e+08	0.91	y	50:06	1.22	151	2.50	-	-	*	-
13C-PCB-205	7.03e+07	0.89	y	50:06	1.31	96.6	2.50				96.6
PCB-208	1.11e+08	1.37	y	49:10	1.04	162	2.50	-	-	*	-
13C-PCB-208	6.59e+07	0.80	y	49:09	1.42	83.7	2.50				83.7
PCB-206	8.17e+07	1.37	y	51:18	1.05	168	2.50	-	-	*	-
13C-PCB-206	4.63e+07	0.80	y	51:18	1.03	80.7	2.50				80.7
PCB-209	9.61e+07	1.19	y	52:29	1.15	158	2.50	-	-	*	-
13C-PCB-209	5.27e+07	1.20	y	52:28	1.23	77.1	2.50				77.1
13C-PCB-194	5.56e+07	0.91	y	49:50	-	159	2.50				

Analyst: _____ Date: 2/4/21

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 2/3/21

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:7 Analysis Date: 3-FEB-21 14:32:52

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	50.4	37.5 - 62.5
PCB-3	M/M+2	3.30	2.66-3.60	y	51.4	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	47.7	37.5 - 62.5
PCB-15	M/M+2	1.56	1.33-1.79	y	51.4	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	49.5	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	49.5	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	102	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	102	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	103	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	98.5	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	102	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	98.5	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	1.60	1.32-1.78	y	101	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	102	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	1.27	1.05-1.43	y	102	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	98.9	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	99.7	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	101	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	96.8	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	96.4	75.0 - 125
PCB-202	M+2/M+4	0.90	0.76-1.02	y	151	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	152	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	149	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	147	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	151	112.5 - 187.5

Analyst: b Date: 2/4/21

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 2/3/21

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:7 Analysis Date: 3-FEB-21 14:32:52

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	101	50.0 - 145
13C-PCB-3	M/M+2	3.21	2.66-3.60	y	98.8	50.0 - 145
13C-PCB-4	M/M+2	1.62	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	94.2	50.0 - 145
13C-PCB-19	M/M+2	1.07	0.88-1.20	y	100	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	96.6	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	105	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	97.2	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	99.4	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	106	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	99.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	100	50.0 - 145
13C-PCB-118	M+2/M+4	1.55	1.32-1.78	y	98.4	50.0 - 145
13C-PCB-123	M+2/M+4	1.63	1.32-1.78	y	101	50.0 - 145
13C-PCB-126	M+2/M+4	1.61	1.32-1.78	y	99.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	103	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	97.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	99.6	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	99.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	99.1	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	103	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	104	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	104	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	104	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	105	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	106	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	106	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	97.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.60	1.32-1.78	y	98.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	100	75.0 - 125

Analyst: [illegible] Date: 2/4/21

FAL ID: ST02032122 Filename: 03FEB21Z Sam:7 Acquired: 3-FEB-21 14:32:52 ICal: DAILY209FAL4-2-3-21
Client ID: CS209 210115A ConCal: ST020321Z1 EndCal: ST02032122
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.06e+08	3.17 y	14:30	1.26	50.4		2.50	-	-	*	
13C-PCB-1	1.67e+08	3.20 y	14:29	0.90	101		2.50				101
PCB-3	1.01e+08	3.30 y	16:56	1.29	51.4		2.50	-	-	*	
13C-PCB-3	1.52e+08	3.21 y	16:55	0.85	98.8		2.50				98.8
PCB-4	7.21e+07	1.50 y	18:11	1.25	47.7		2.50	-	-	*	
13C-PCB-4	1.21e+08	1.62 y	18:09	0.66	101		2.50				101
PCB-15	1.15e+08	1.56 y	23:43	1.29	51.4		2.50	-	-	*	
13C-PCB-15	1.74e+08	1.60 y	23:42	1.02	94.2		2.50				94.2
PCB-19	5.03e+07	1.06 y	22:04	1.27	49.5		2.50	-	-	*	
13C-PCB-19	7.97e+07	1.07 y	22:02	0.44	100		2.50				100
13C-PCB-9	1.81e+08	1.65 y	19:50	-	120		2.50				
PCB-37	9.59e+07	1.09 y	30:22	1.36	49.5		2.50	-	-	*	
13C-PCB-37	1.43e+08	1.07 y	30:21	1.72	96.6		2.50				96.6
PCB-54	1.32e+08	0.79 y	25:35	1.27	102		2.50	-	-	*	
13C-PCB-54	1.01e+08	0.81 y	25:34	1.12	105		2.50				105
PCB-104	9.80e+07	1.55 y	30:02	1.19	98.5		2.50	-	-	*	
13C-PCB-104	8.36e+07	1.56 y	30:01	0.92	106		2.50				106
13C-PCB-28	1.70e+08	1.06 y	26:40	2.03	97.4		2.50				97.4
13C-PCB-52	8.59e+07	0.81 y	28:55	-	119		2.50				
PCB-81	1.72e+08	0.80 y	36:08	1.36	103		2.50	-	-	*	
13C-PCB-81	1.23e+08	0.80 y	36:07	1.72	99.4		2.50				99.4
PCB-77	1.49e+08	0.81 y	36:43	1.16	102		2.50	-	-	*	
13C-PCB-77	1.26e+08	0.79 y	36:41	1.80	97.2		2.50				97.2
PCB-155	1.00e+08	1.25 y	34:12	1.10	101		2.50	-	-	*	
13C-PCB-155	9.00e+07	1.28 y	34:10	1.21	103		2.50				103
13C-PCB-111	8.93e+07	1.60 y	36:16	1.26	98.5		2.50				98.5
13C-PCB-101	7.20e+07	1.63 y	34:37	-	119		2.50				
PCB-123	1.34e+08	1.60 y	38:20	1.24	101		2.50	-	-	*	
13C-PCB-123	1.07e+08	1.63 y	38:18	1.42	101		2.50				101
PCB-118	2.94e+08	1.58 y	38:31	1.20	206		2.50	-	-	*	
13C-PCB-118	1.19e+08	1.55 y	38:29	1.61	98.4		2.50				98.4
PCB-114	1.43e+08	1.54 y	39:07	1.27	98.5		2.50	-	-	*	
13C-PCB-114	1.14e+08	1.61 y	39:06	1.52	100		2.50				100
PCB-105	1.47e+08	1.57 y	39:57	1.28	102		2.50	-	-	*	
13C-PCB-105	1.12e+08	1.61 y	39:55	1.50	99.3		2.50				99.3
PCB-126	1.35e+08	1.60 y	42:05	1.24	102		2.50	-	-	*	
13C-PCB-126	1.07e+08	1.61 y	42:03	1.43	99.9		2.50				99.9
PCB-167	1.12e+08	1.25 y	43:26	1.26	99.7		2.50	-	-	*	
13C-PCB-167	8.96e+07	1.30 y	43:24	1.20	99.3		2.50				99.3
PCB-156	1.12e+08	1.27 y	44:40	1.29	102		2.50	-	-	*	
13C-PCB-156	8.50e+07	1.29 y	44:38	1.16	97.6		2.50				97.6
PCB-157	1.11e+08	1.26 y	44:55	1.26	98.9		2.50	-	-	*	
13C-PCB-157	8.89e+07	1.28 y	44:55	1.19	99.6		2.50				99.6
PCB-169	1.00e+08	1.27 y	46:48	1.17	101		2.50	-	-	*	
13C-PCB-169	8.48e+07	1.26 y	46:46	1.14	99.1		2.50				99.1
PCB-188	9.17e+07	1.05 y	39:42	1.15	96.8		2.50	-	-	*	
13C-PCB-188	8.20e+07	1.06 y	39:40	1.06	103		2.50				103
PCB-189	7.92e+07	1.06 y	48:27	1.13	96.4		2.50	-	-	*	
13C-PCB-189	7.25e+07	1.06 y	48:25	0.93	104		2.50				104
PCB-202	1.14e+08	0.90 y	44:50	1.06	151		2.50	-	-	*	
13C-PCB-202	7.13e+07	0.92 y	44:48	0.92	104		2.50				104
13C-PCB-178	5.90e+07	1.08 y	42:20	0.79	100		2.50				100
13C-PCB-138	7.50e+07	1.28 y	41:32	-	119		2.50				

Client ID: CS209 210115A ConCal: ST02032121 EndCal: ST02032122
Results: GC Column: DB1MS Amount: 1.000

PCB-205	1.65e+08	0.90	y	50:06	1.22	152	2.50	-	-	*	
13C-PCB-205	8.87e+07	0.88	y	50:06	1.26	104	2.50				104
PCB-208	1.39e+08	1.33	y	49:09	1.12	147	2.50	-	-	*	
13C-PCB-208	8.48e+07	0.80	y	49:09	1.19	106	2.50				106
PCB-206	1.04e+08	1.34	y	51:18	1.18	149	2.50	-	-	*	
13C-PCB-206	5.93e+07	0.80	y	51:16	0.83	105	2.50				105
PCB-209	1.24e+08	1.19	y	52:28	1.21	151	2.50	-	-	*	
13C-PCB-209	6.79e+07	1.20	y	52:27	0.95	106	2.50				106
13C-PCB-194	6.75e+07	0.90	y	49:50	-	121	2.50				

Analyst: _____ Date: 2/4/21

Frontier Analytical Laboratory - Acquisition Log

Run Name:03FEB21Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

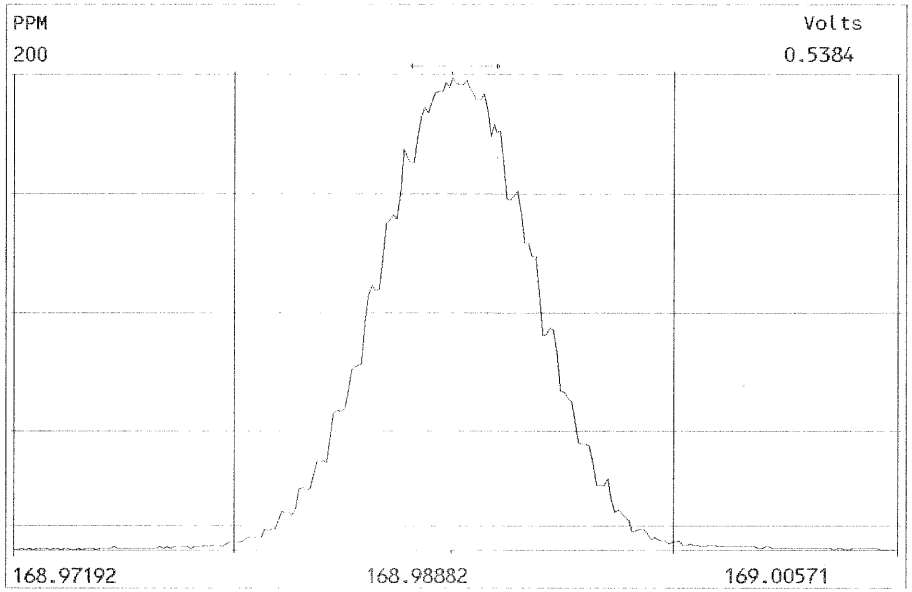
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
03FEB21Z	1	ST020321Z1	CS209 210115A	3-FEB-21 08:42:45	ST020321Z1	ST020321Z2	BS
03FEB21Z	2	SB020321Z1	Solvent Blank	3-FEB-21 09:41:05	ST020321Z1	ST020321Z2	BS
03FEB21Z	3	13559-006-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CORE	3-FEB-21 10:39:27	ST020321Z1	ST020321Z2	BS
03FEB21Z	4	SB020321Z2	Solvent Blank	3-FEB-21 11:37:48	ST020321Z1	ST020321Z2	BS
03FEB21Z	5	QC020321Z1	QC210127A	3-FEB-21 12:36:09	ST020321Z1	ST020321Z2	BS
03FEB21Z	6	SB020321Z3	Solvent Blank	3-FEB-21 13:34:30	ST020321Z1	ST020321Z2	BS
03FEB21Z	7	ST020321Z2	CS209 210115A	3-FEB-21 14:32:52	ST020321Z1	ST020321Z2	BS

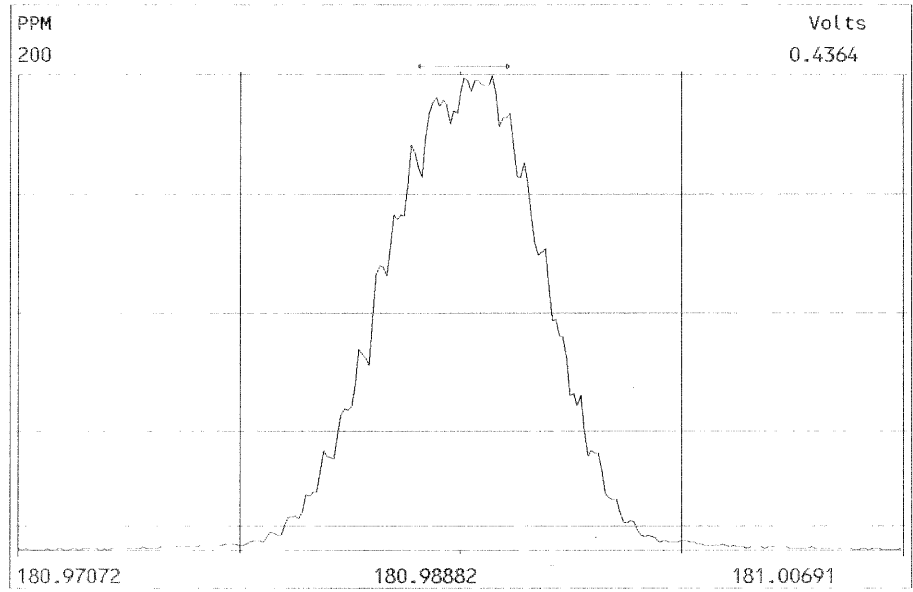
K 2/4/21

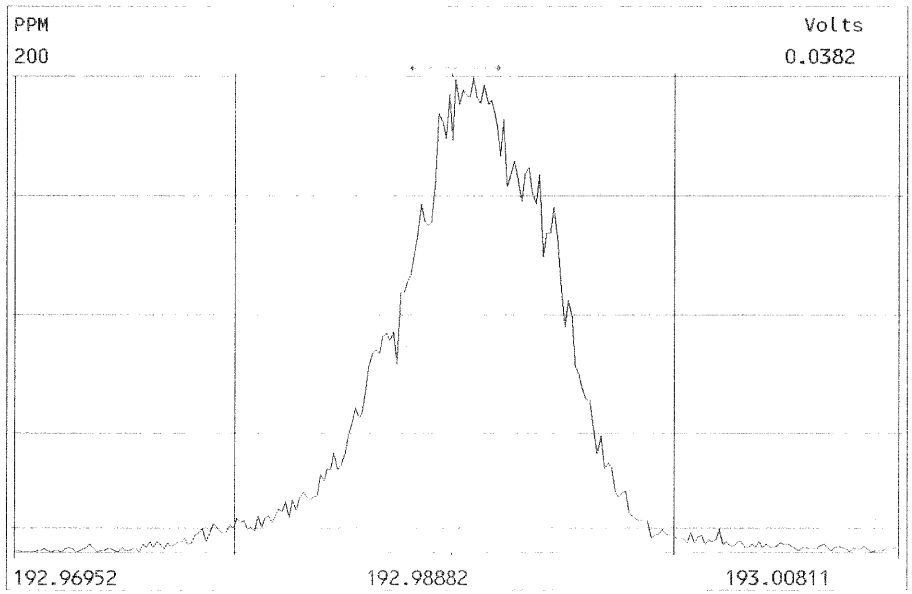
Data Backed Up:_____

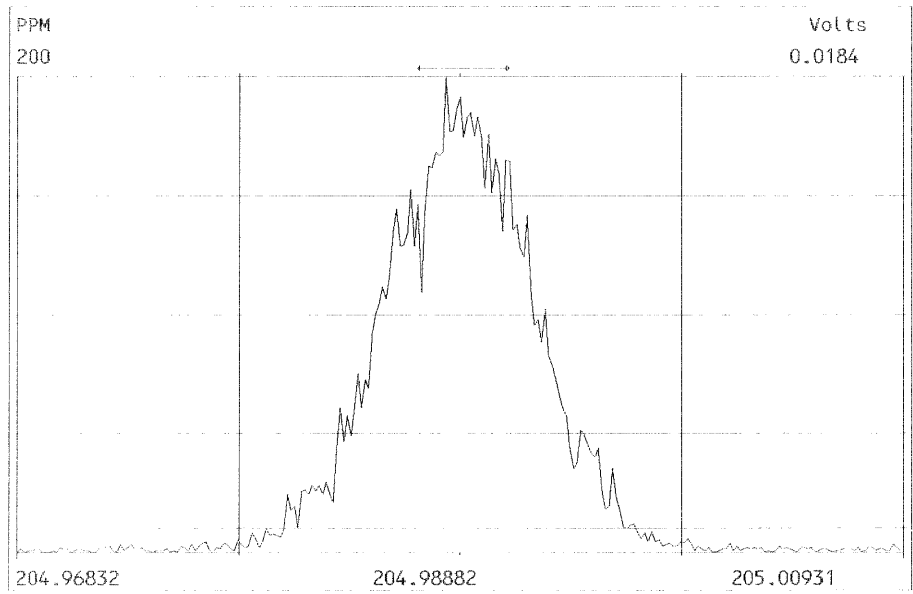
Date:_____

Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z
Experiment:1668PCB Function:1 Reference:PFK



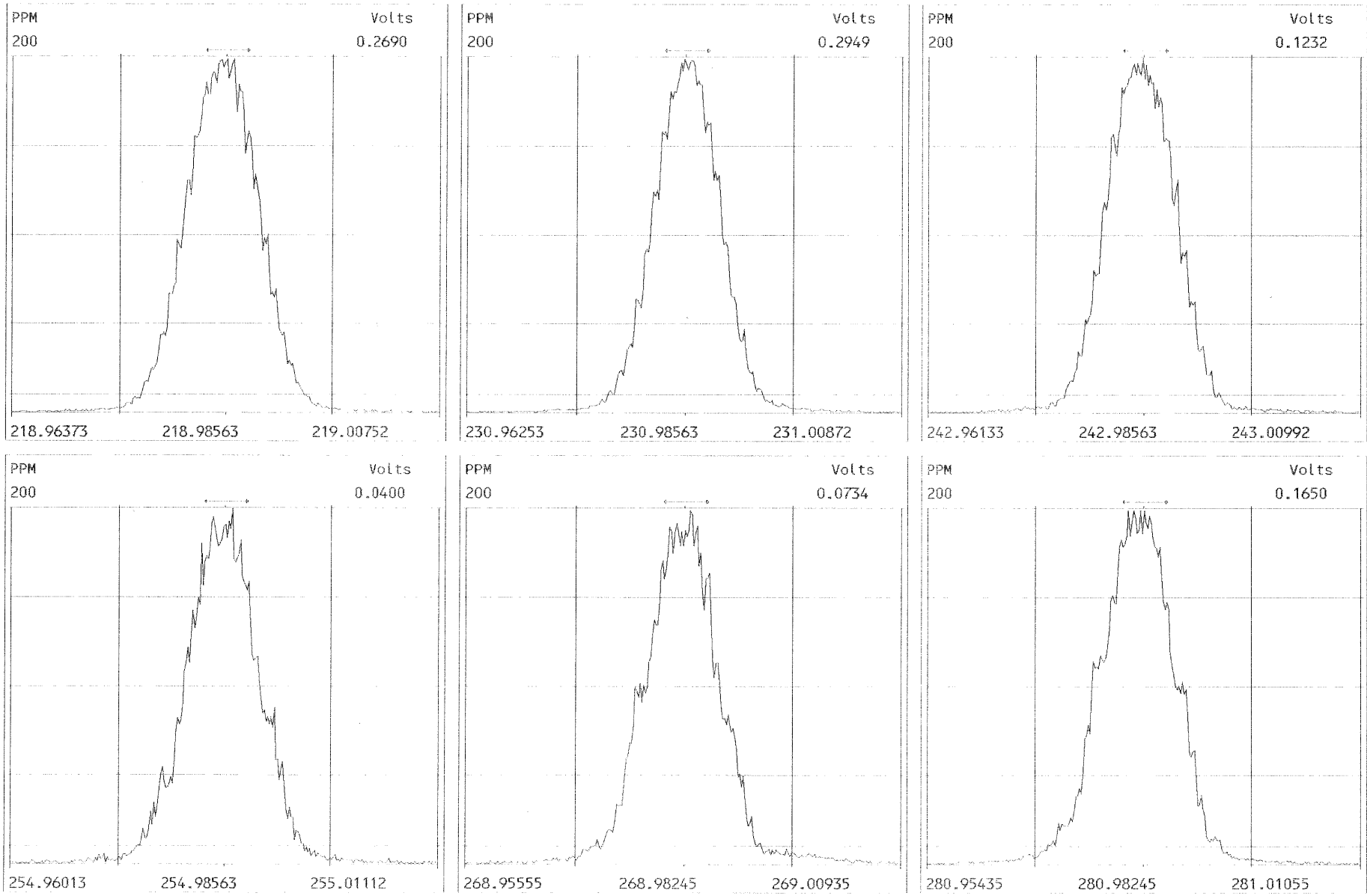






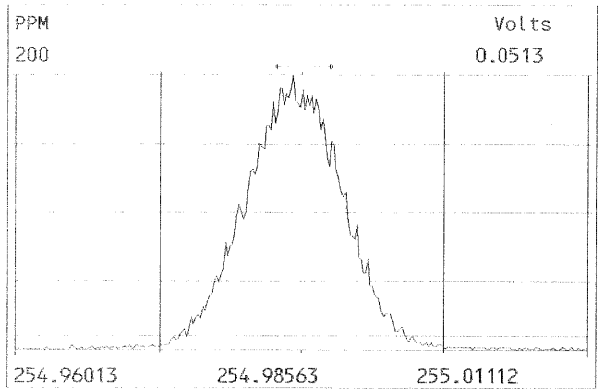
Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z

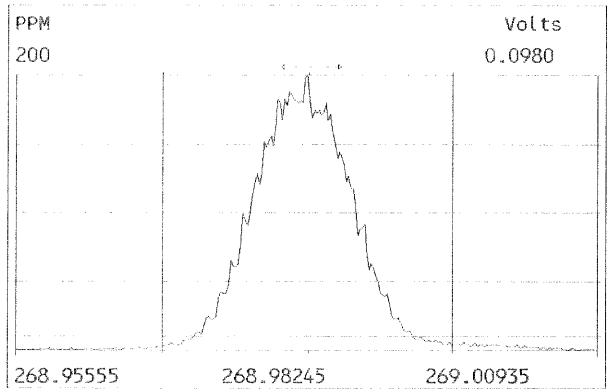
Experiment:1668PCB Function:2 Reference:PFK

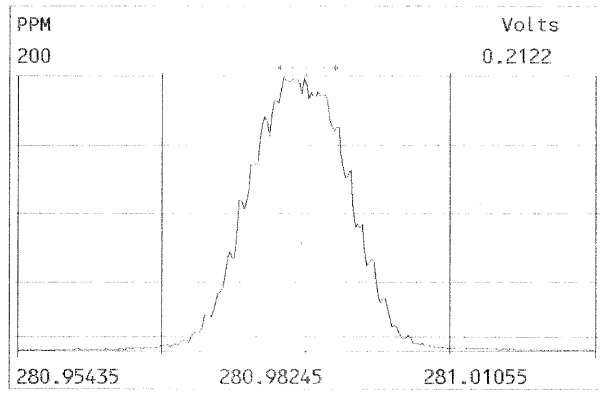


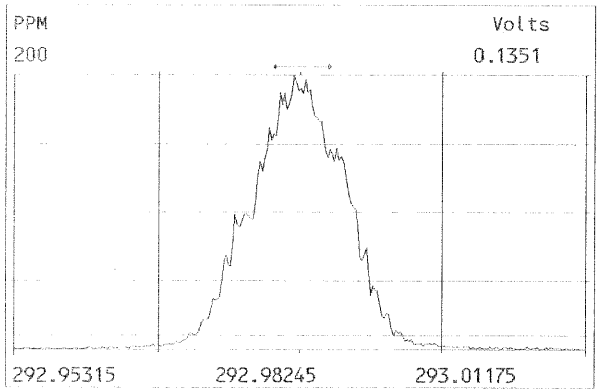
Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z

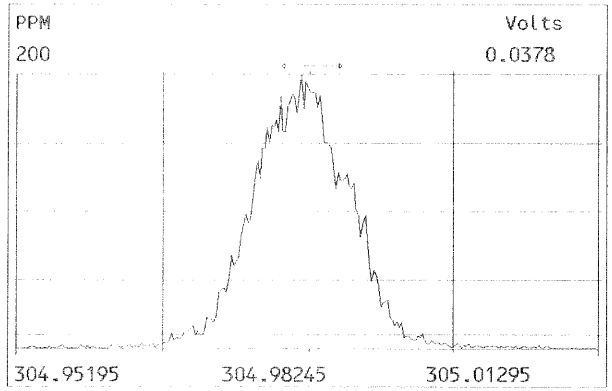
Experiment:1668PCB Function:3 Reference:PFK

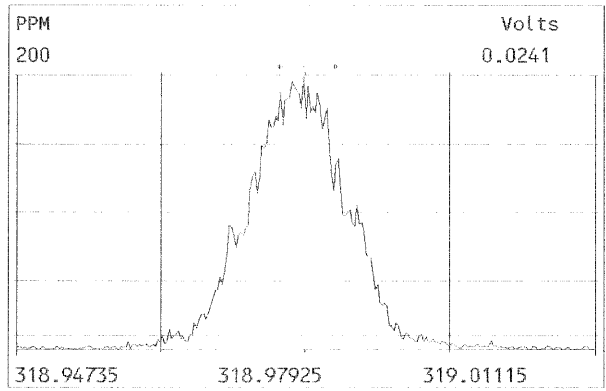


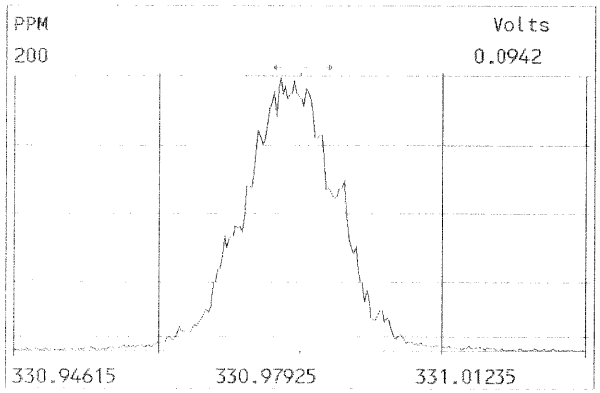


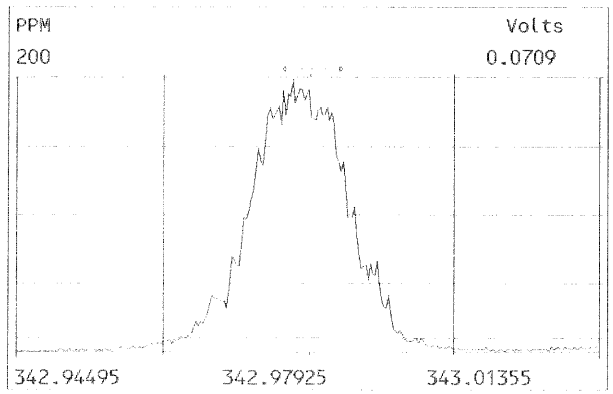






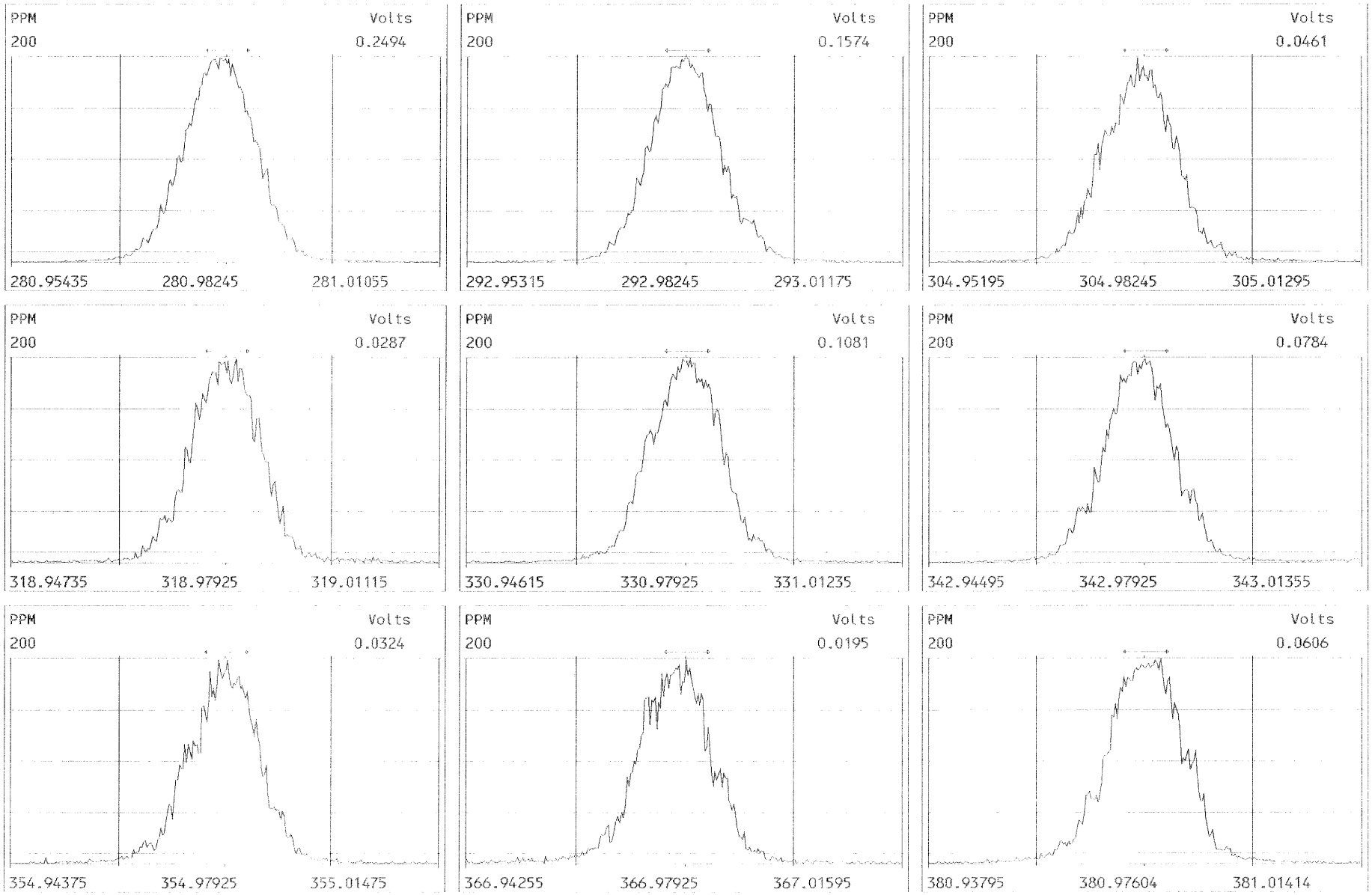




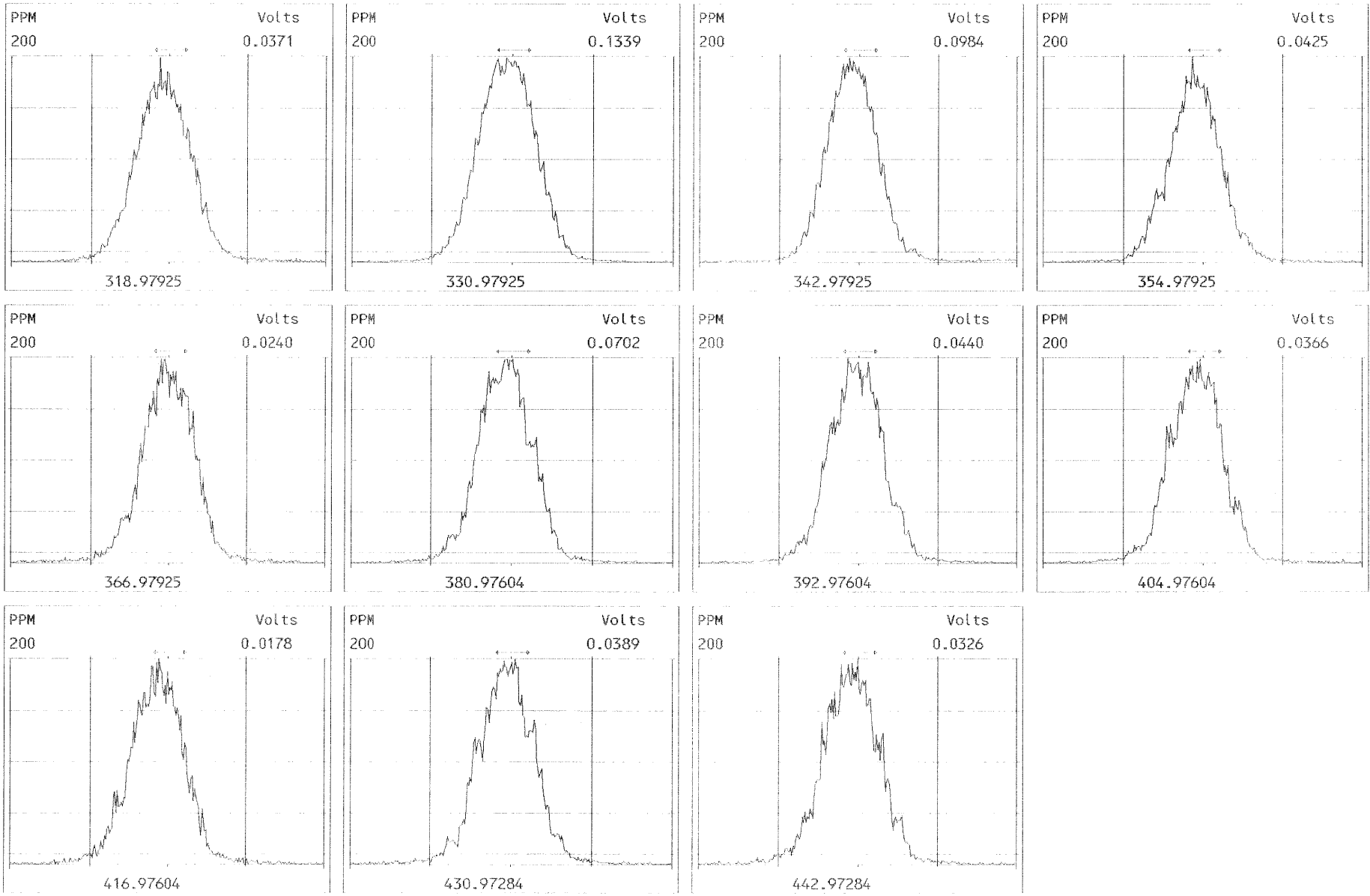


Peak Locate Examination: 3-FEB-2021:08:41 File:03FEB21Z

Experiment:1668PCB Function:4 Reference:PFK

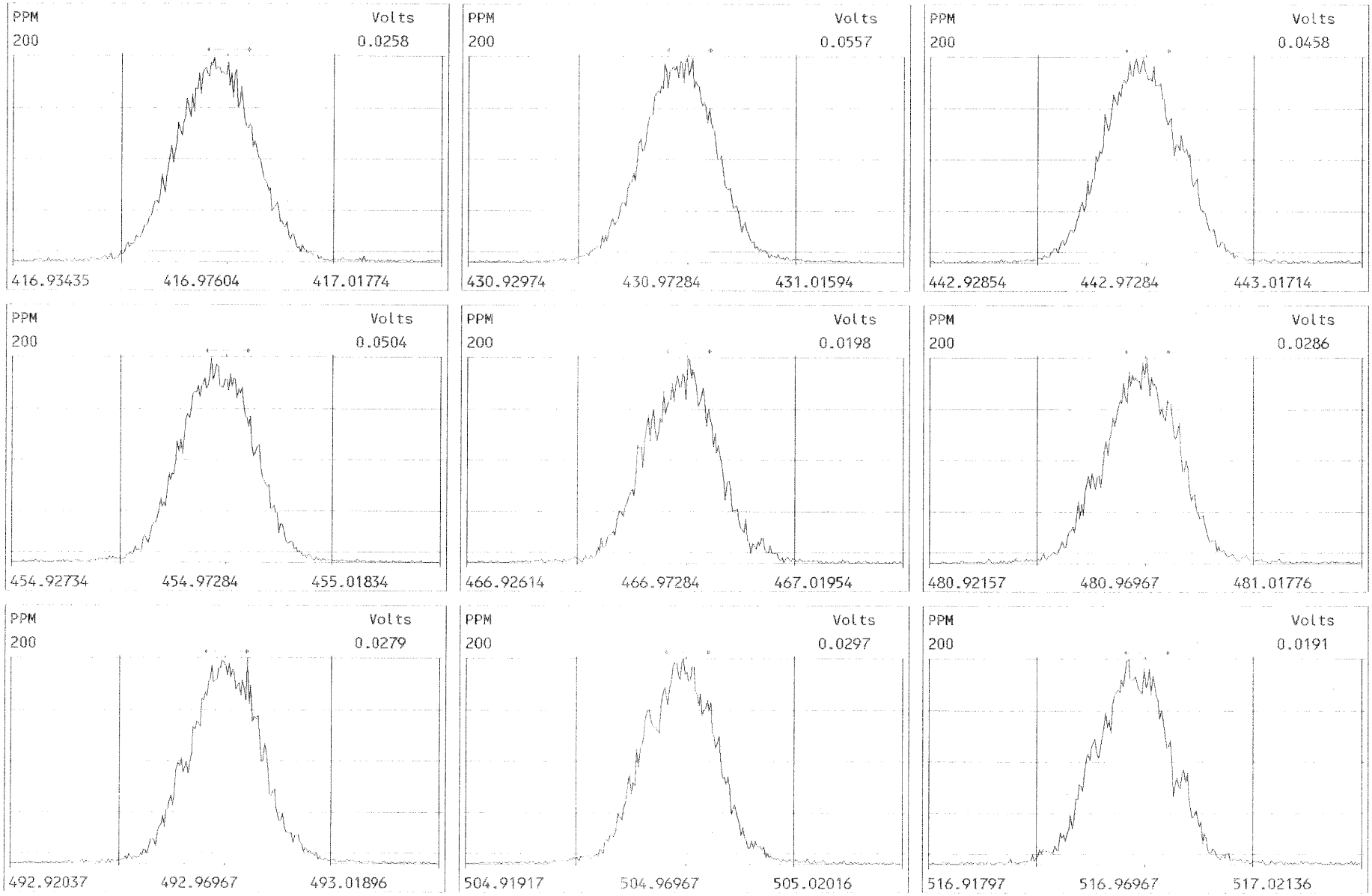


Peak Locate Examination: 3-FEB-2021:08:41 File:03FEB21Z
Experiment:1668PCB Function:5 Reference:PFK

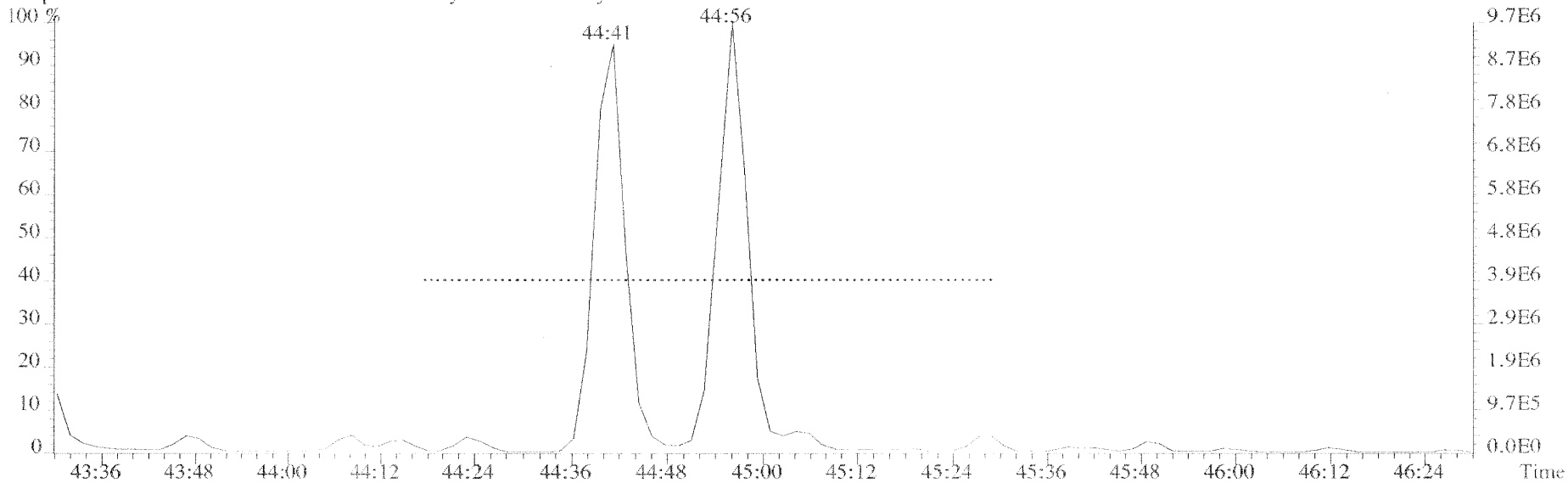


Peak Locate Examination: 3-FEB-2021:08:42 File:03FEB21Z

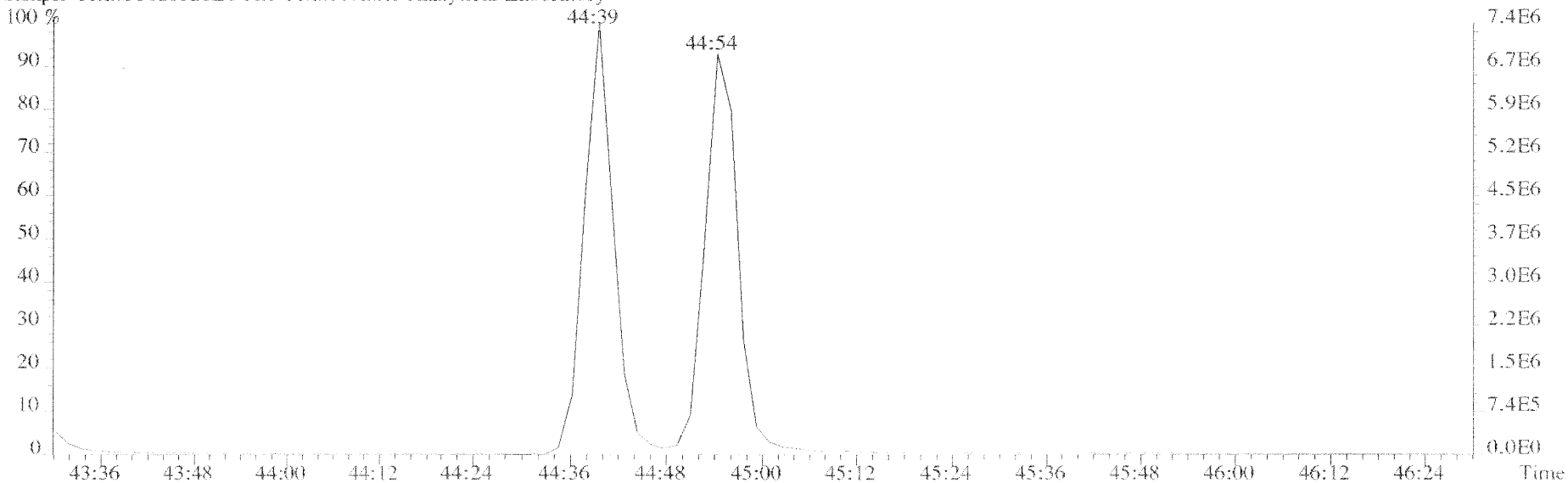
Experiment:1668PCB Function:6 Reference:PFK



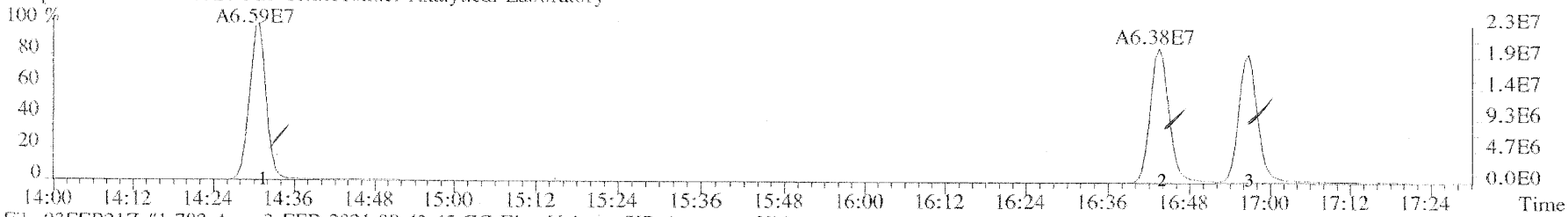
File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



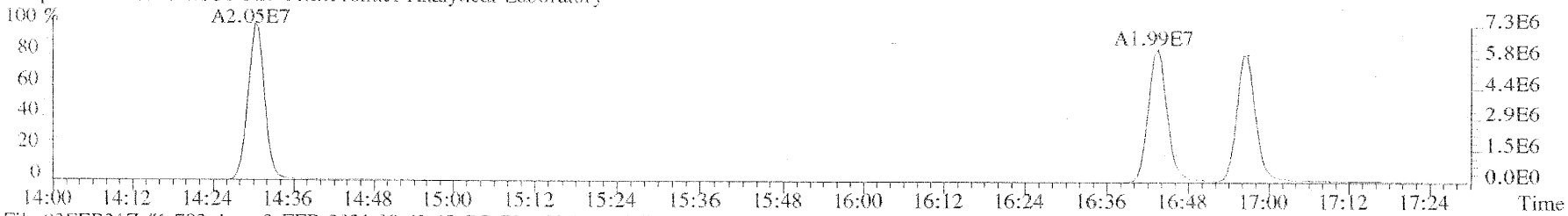
File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



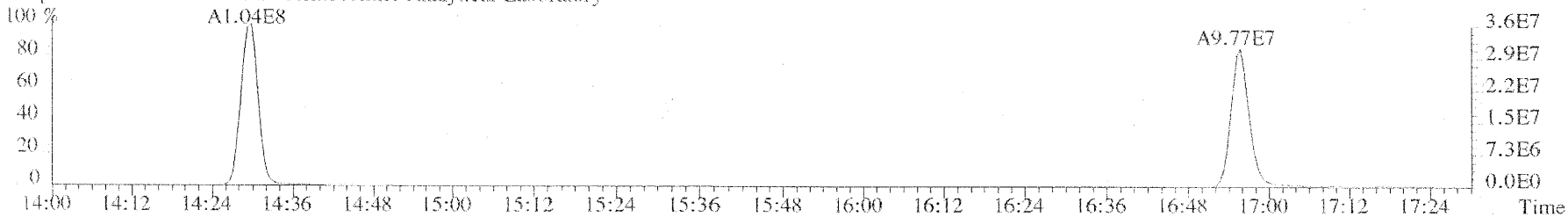
File:03FEB21Z #1-783 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



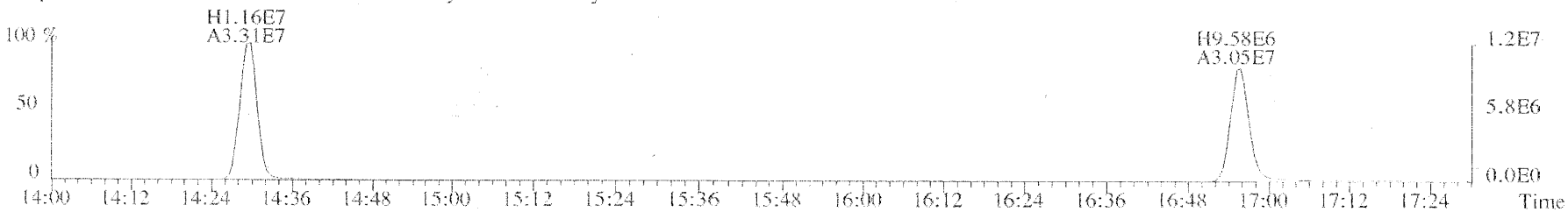
File:03FEB21Z #1-783 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



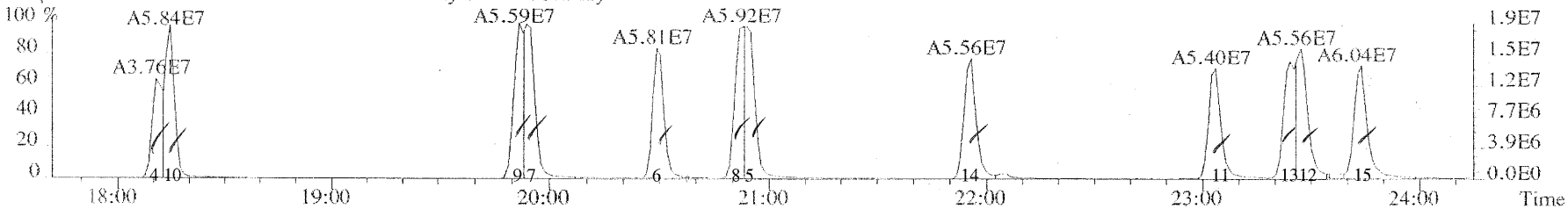
File:03FEB21Z #1-783 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



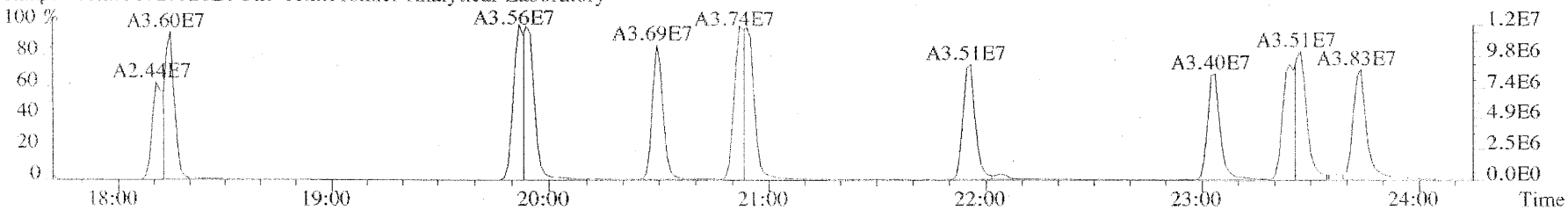
File:03FEB21Z #1-783 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



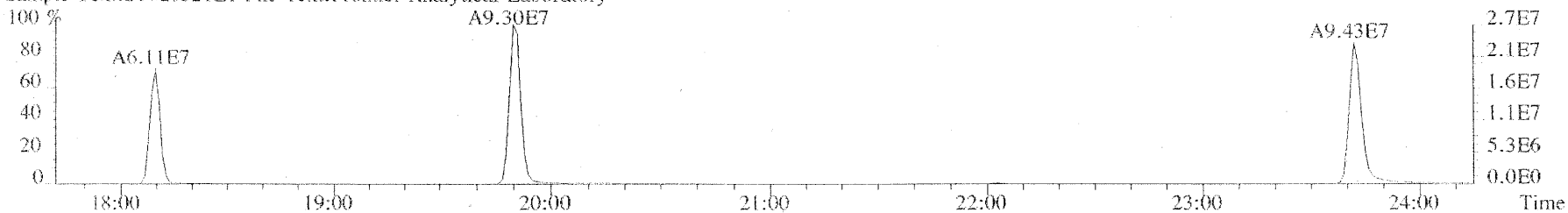
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



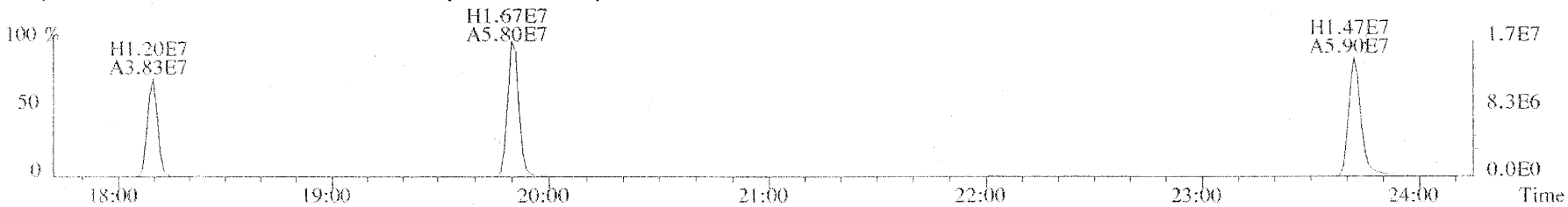
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



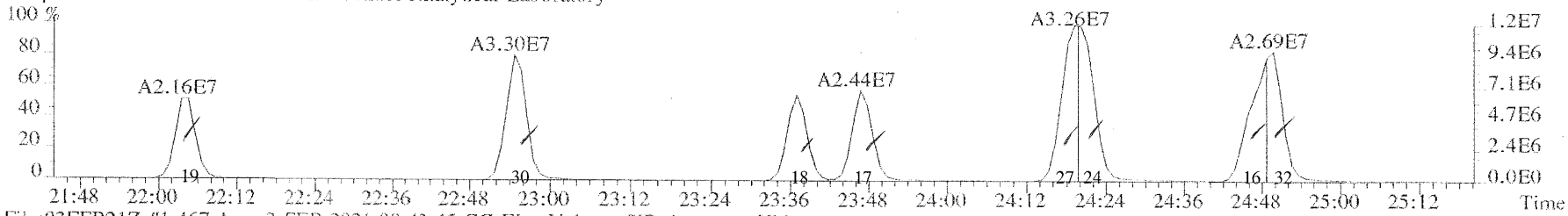
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



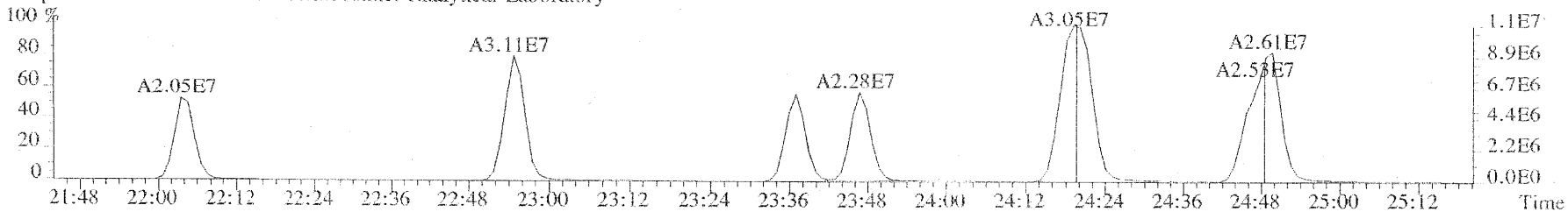
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



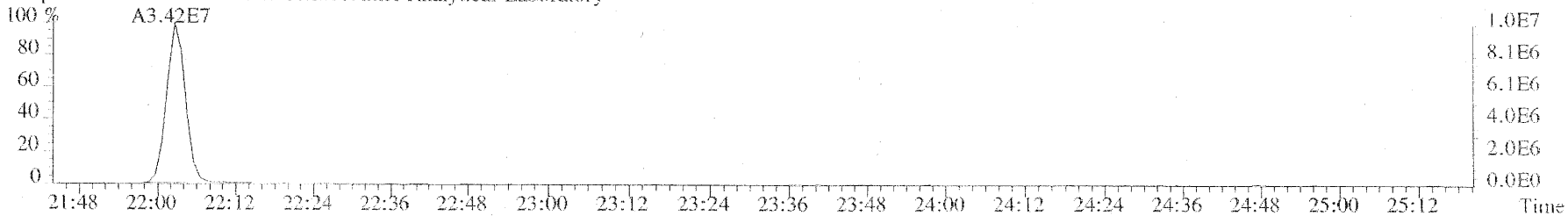
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



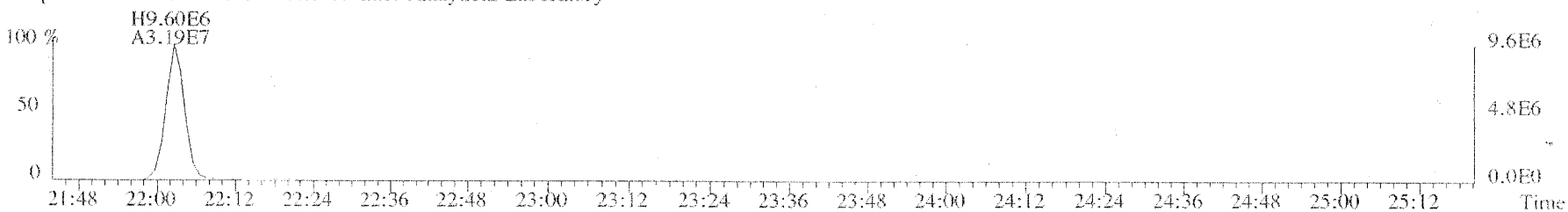
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



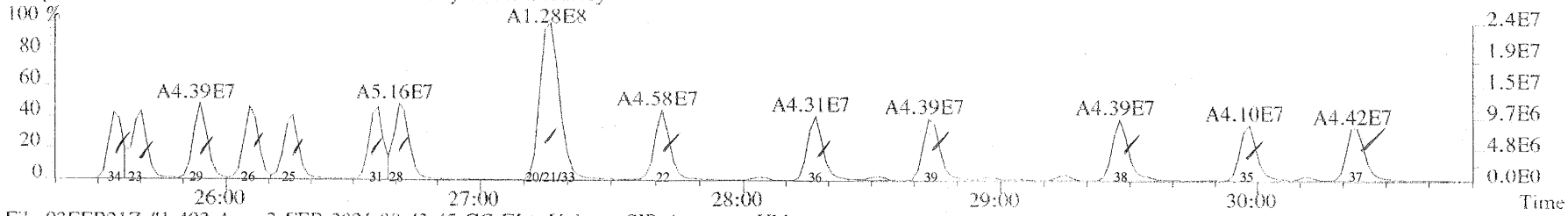
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



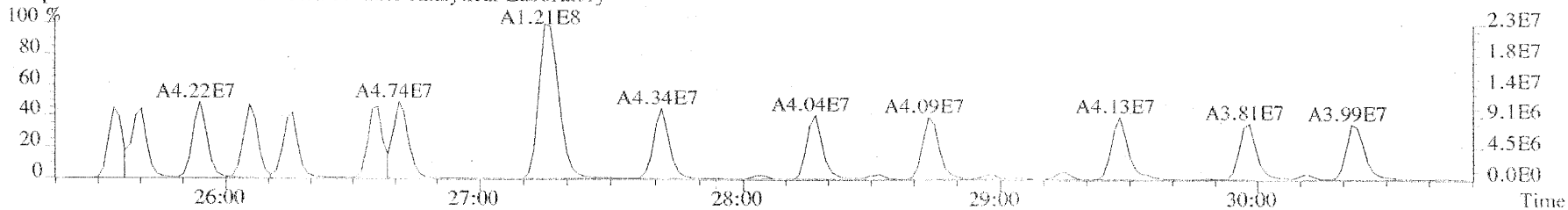
File:03FEB21Z #1-467 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



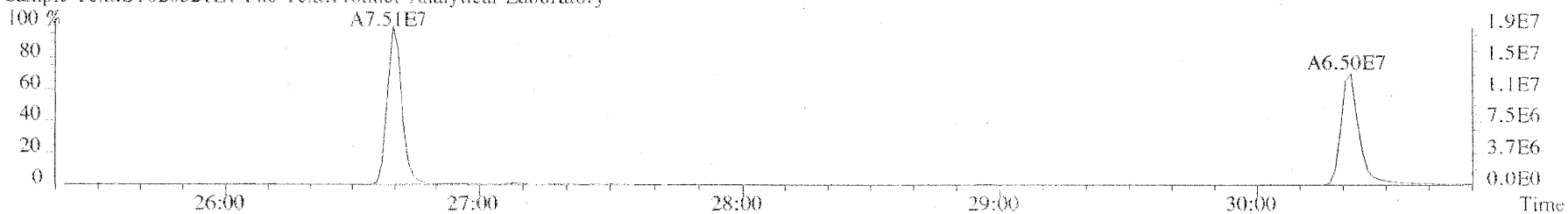
File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
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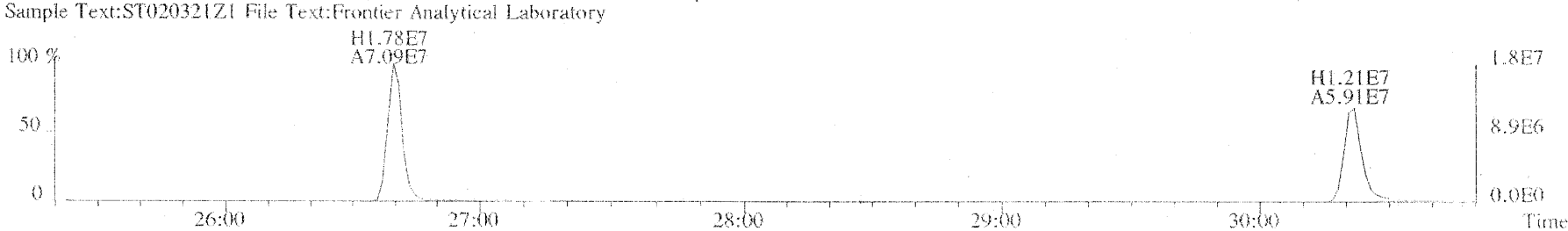
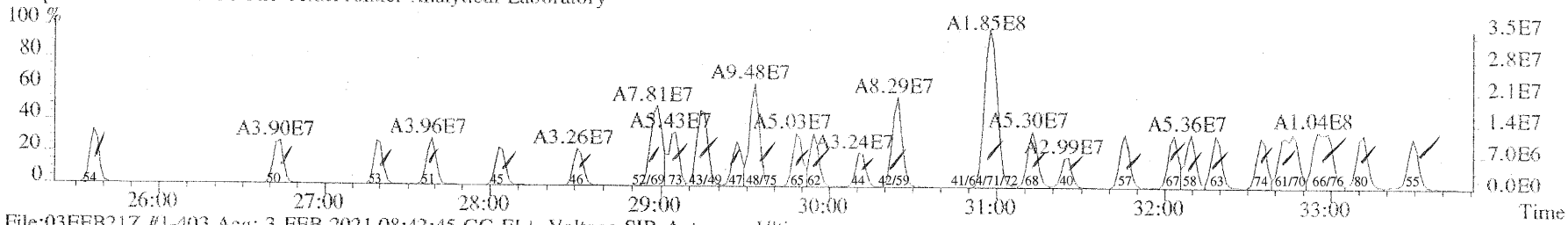
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



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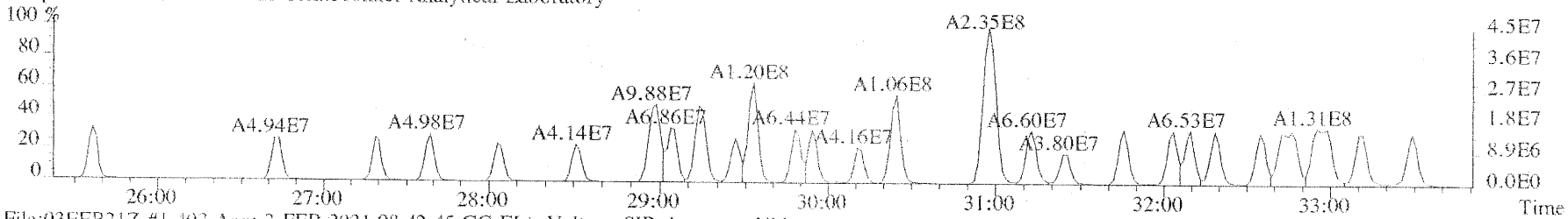
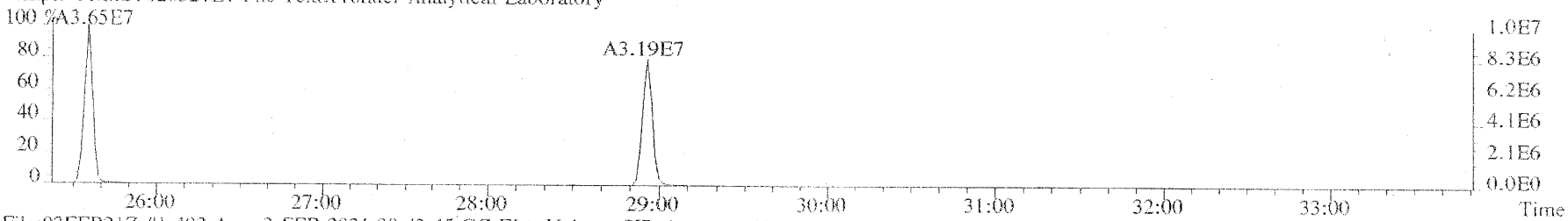
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
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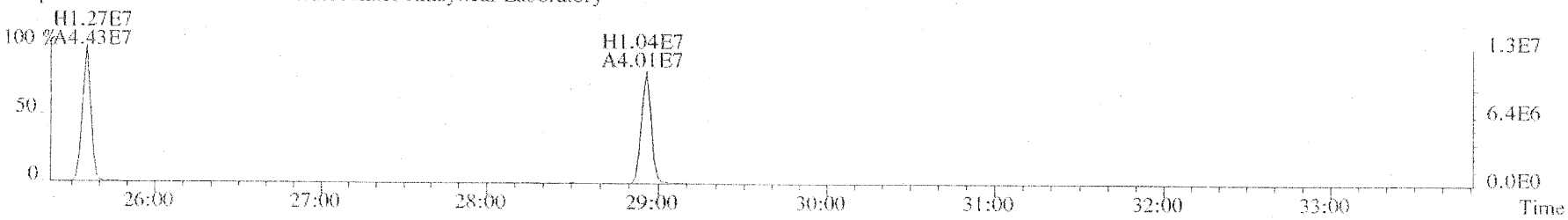
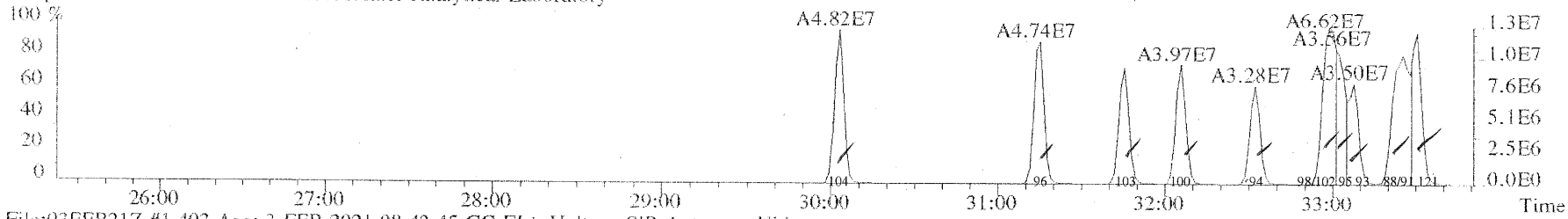
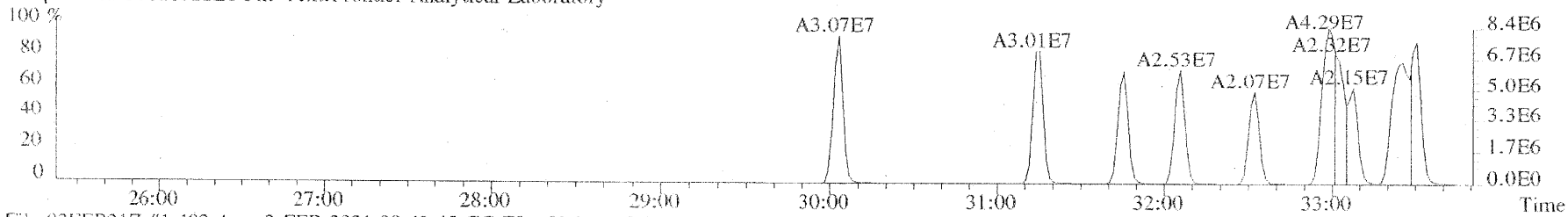
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



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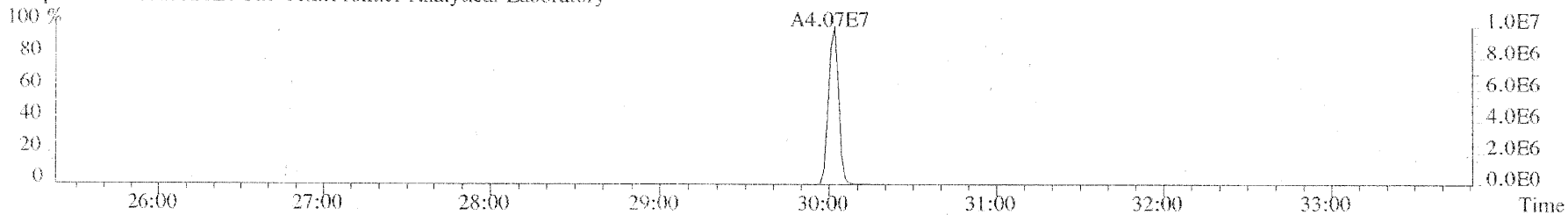
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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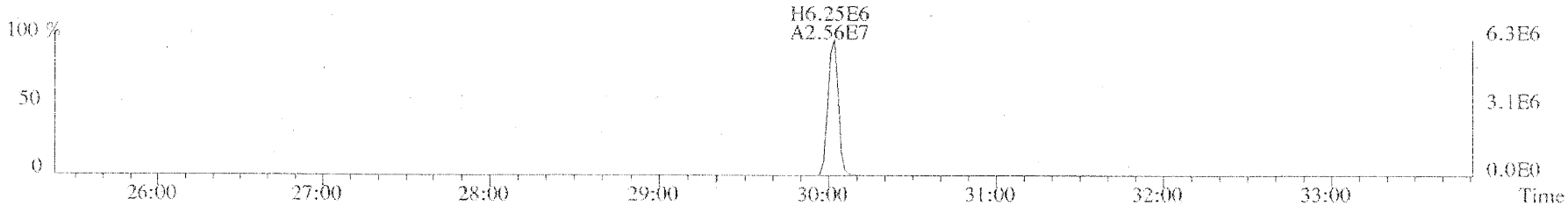
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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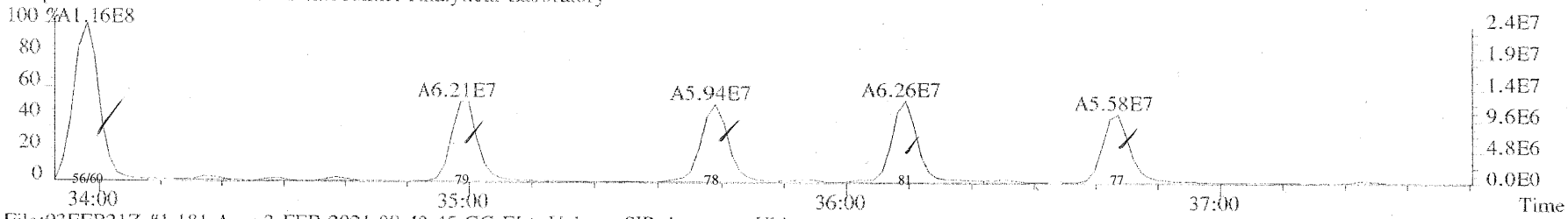
289.9224 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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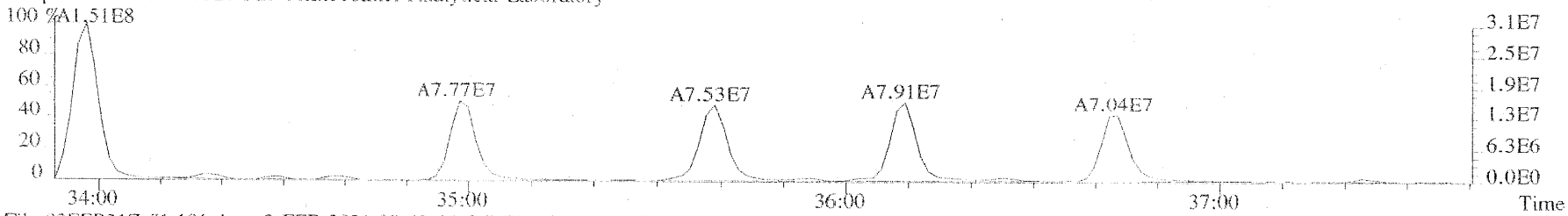

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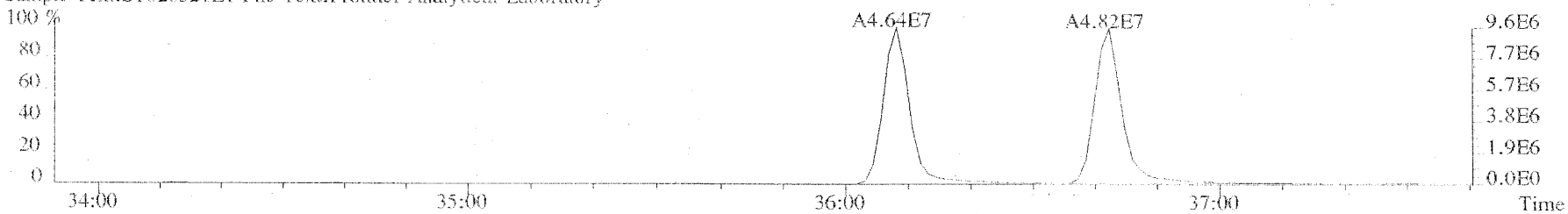
301.9626 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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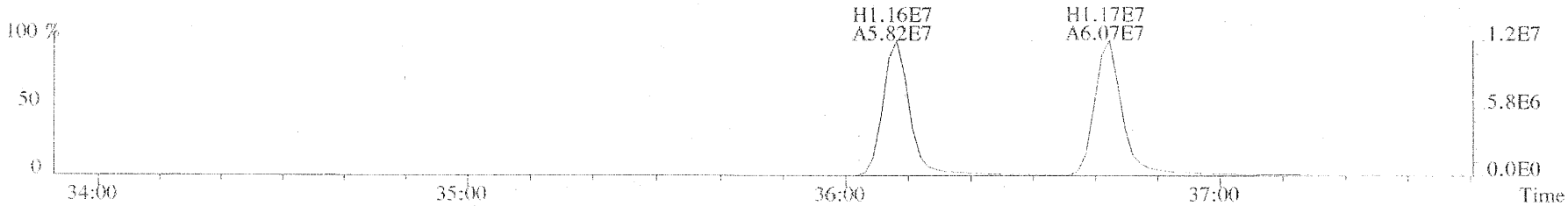
303.9597 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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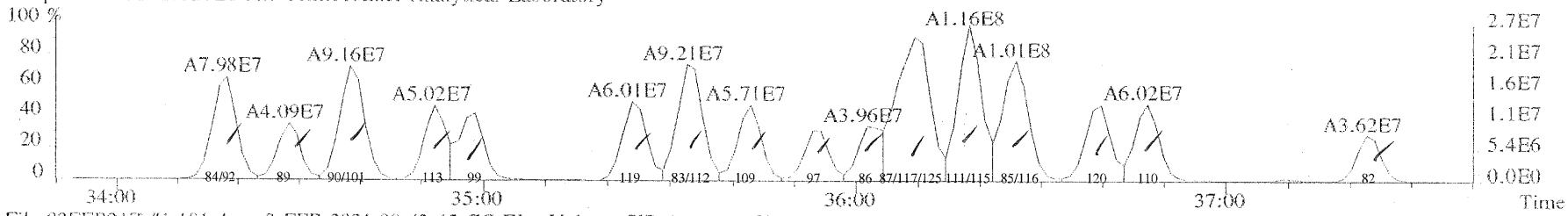
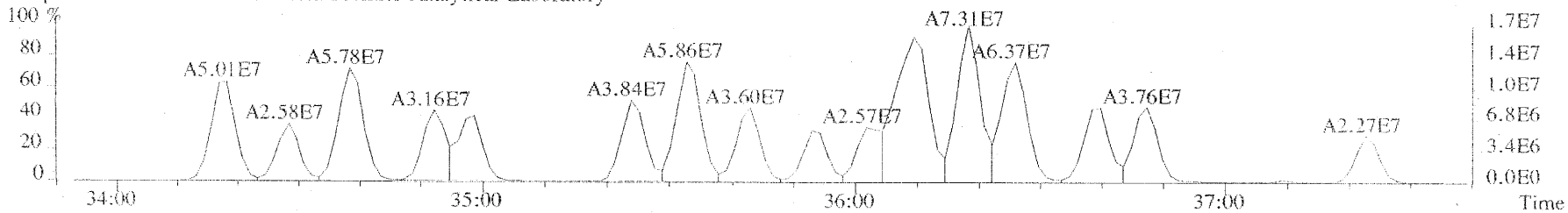
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



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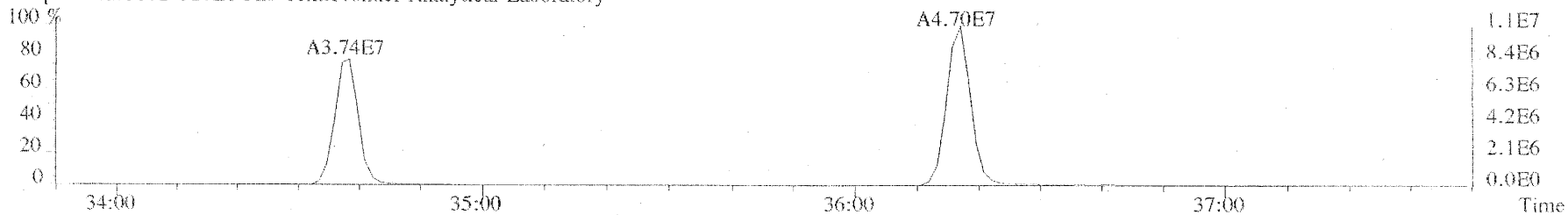
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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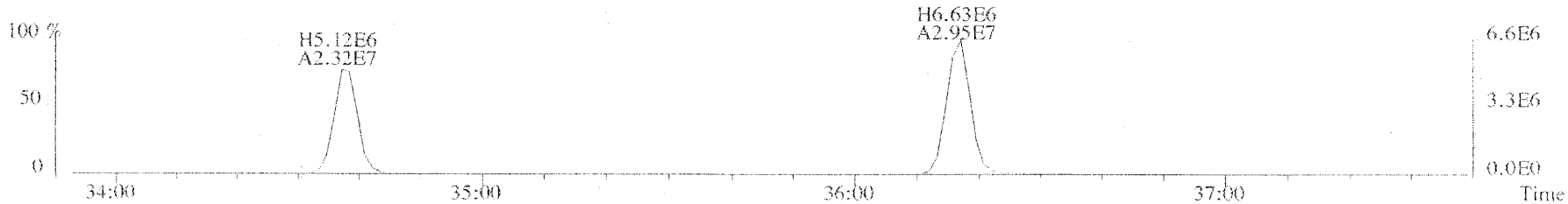
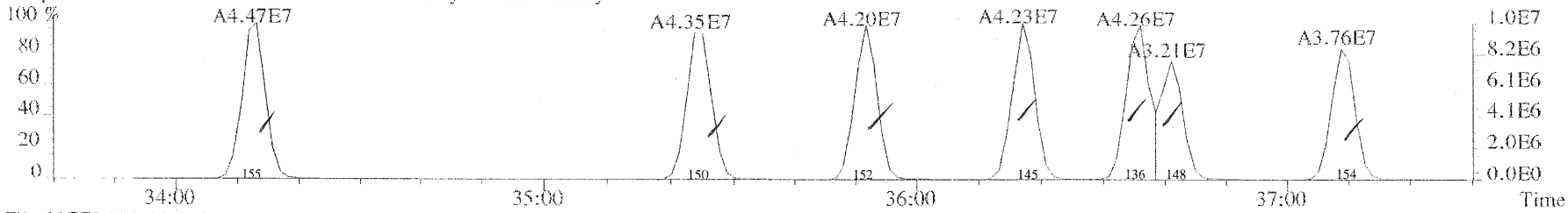
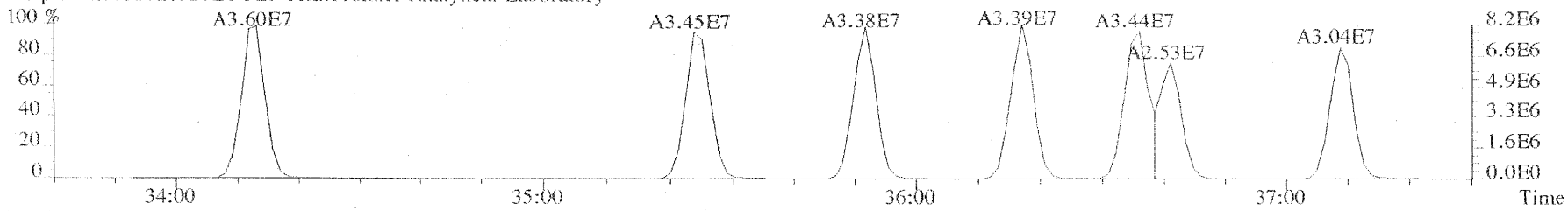
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



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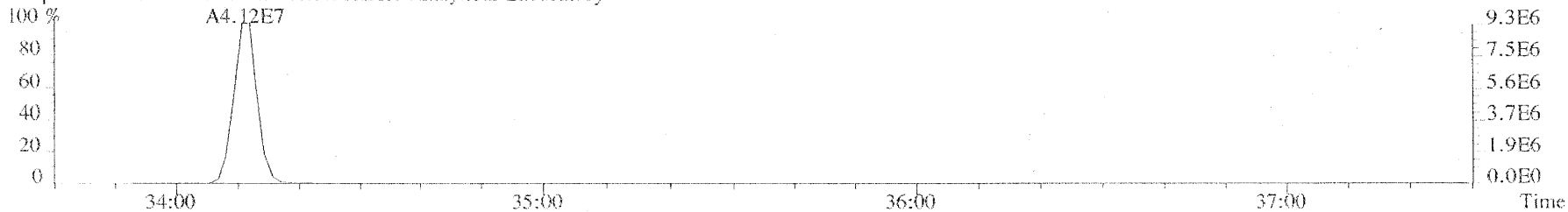
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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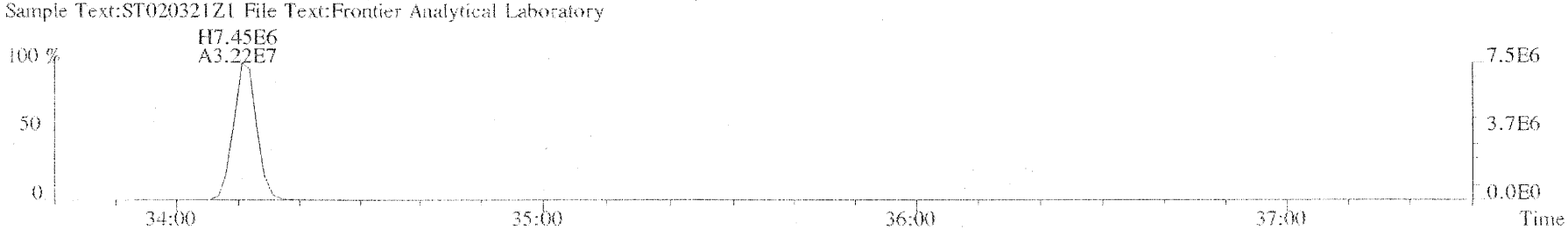
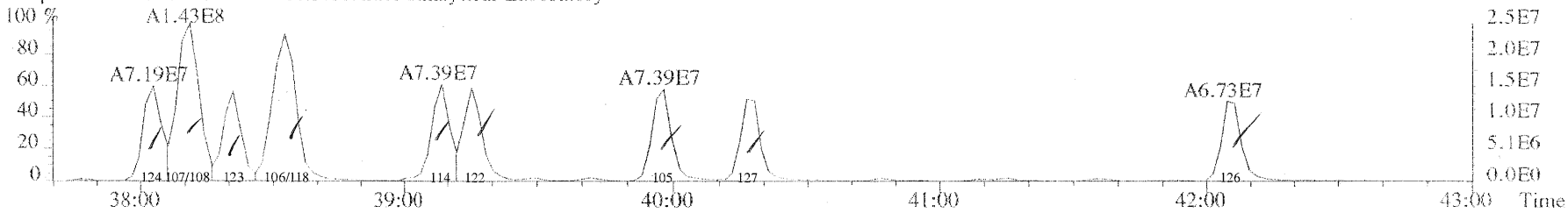
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
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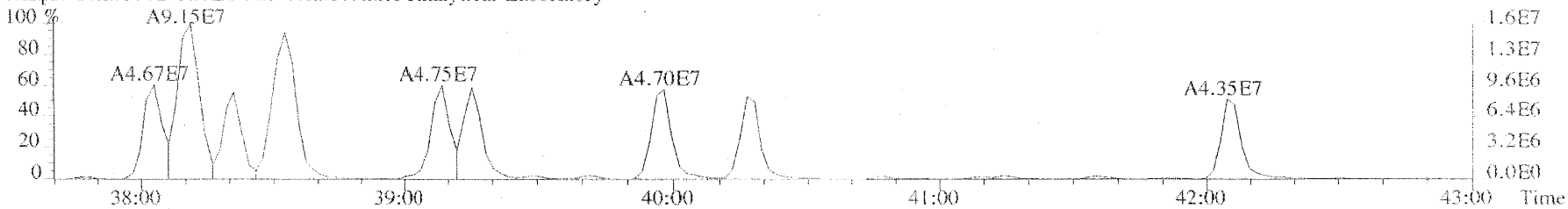
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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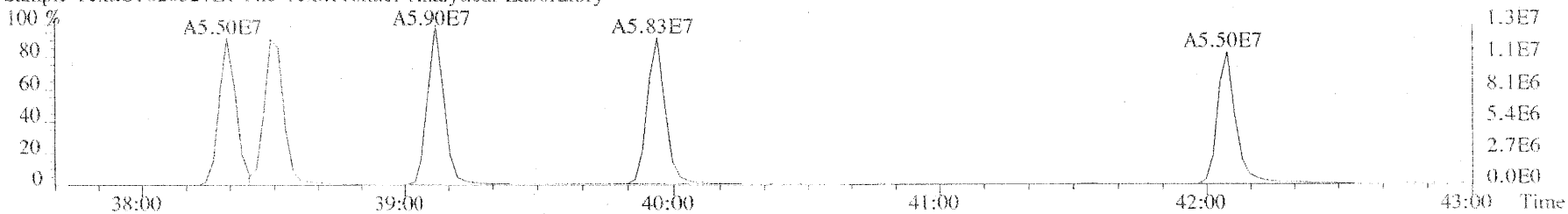
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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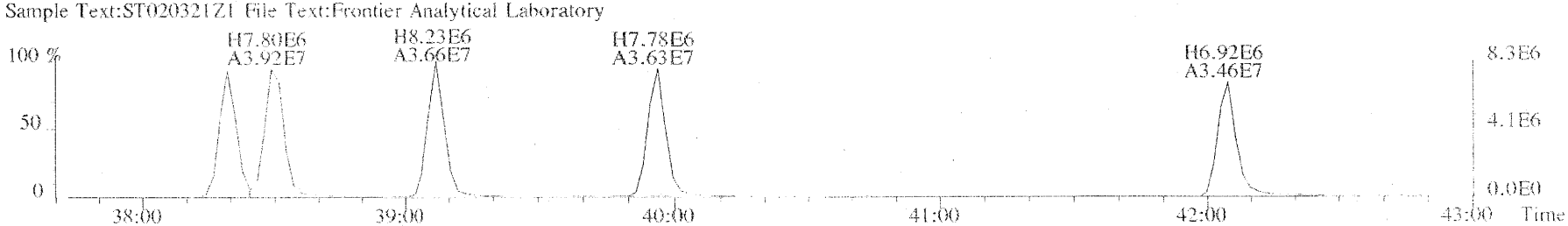
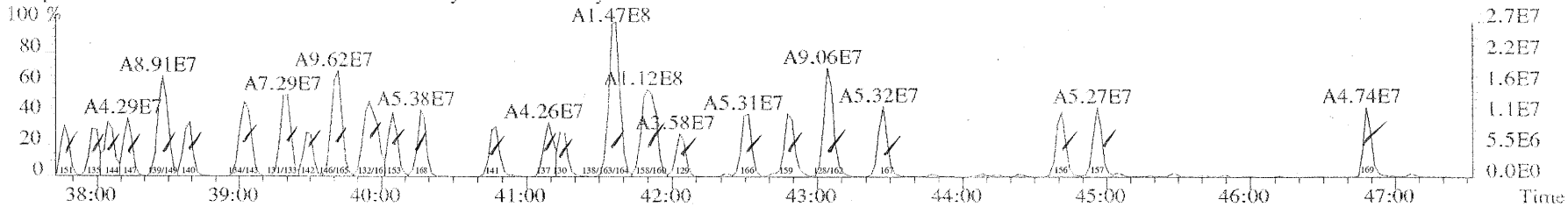
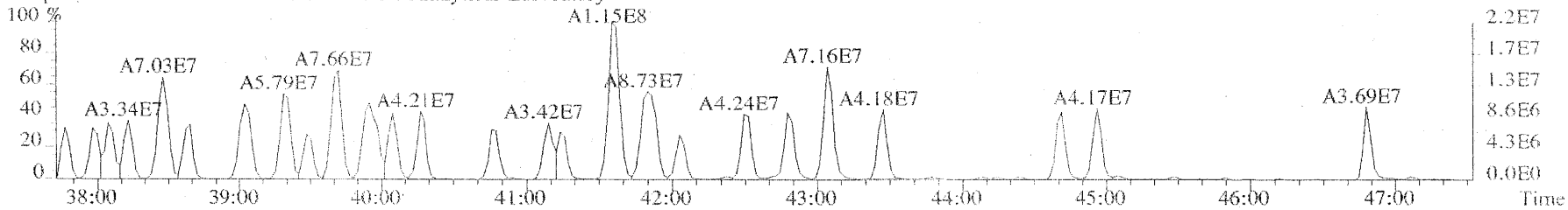
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



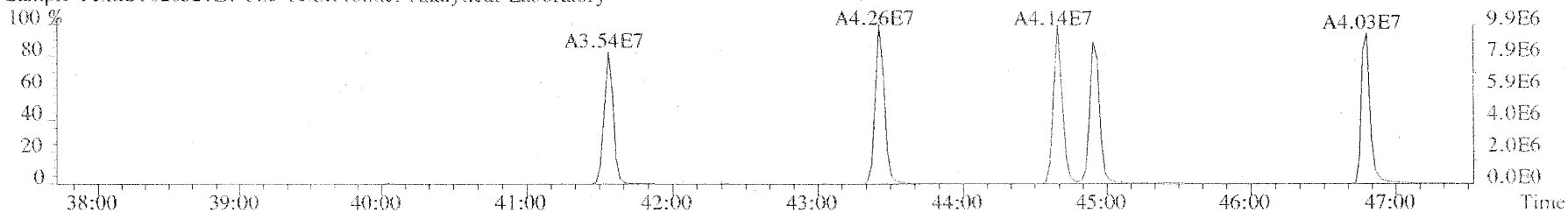
File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



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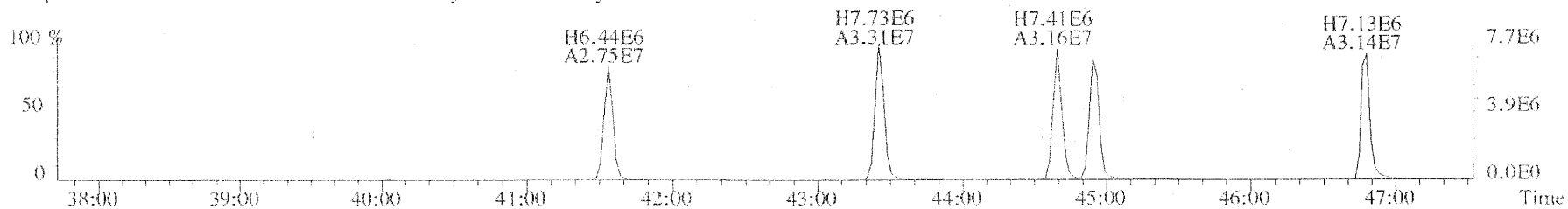
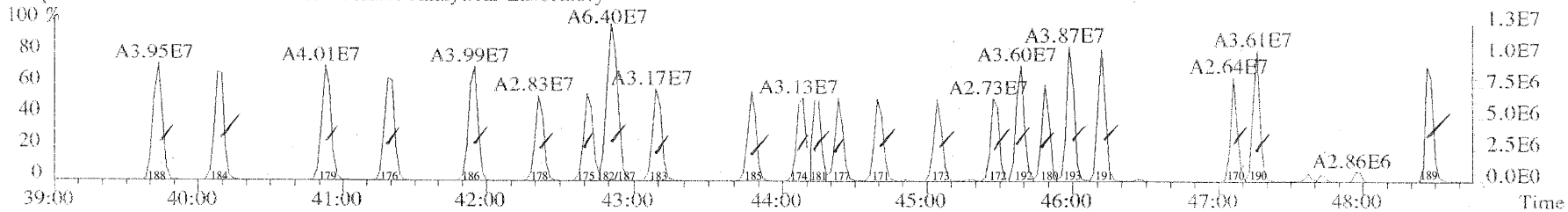
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
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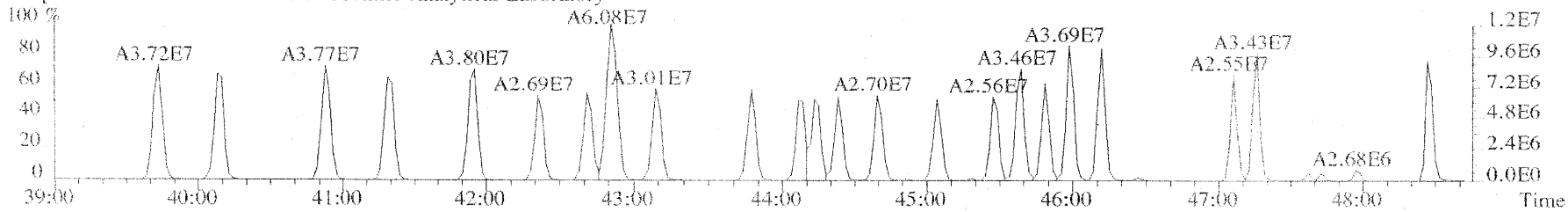
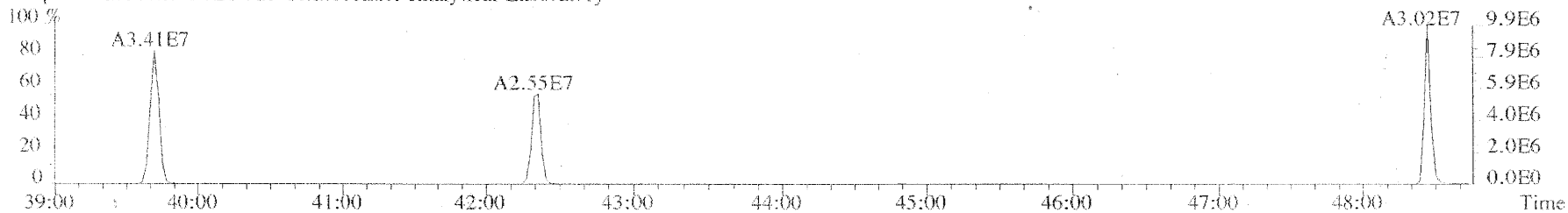
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



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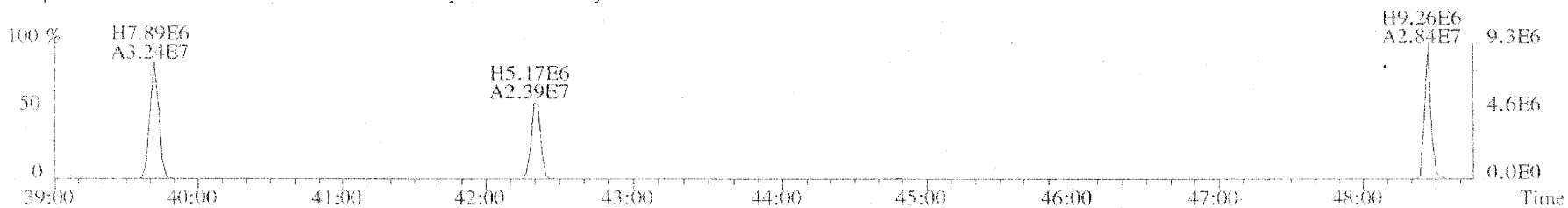
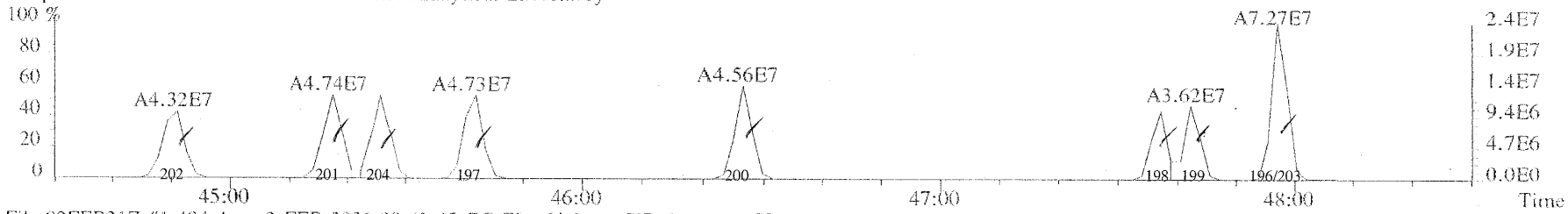
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 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:ST020321Z1 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
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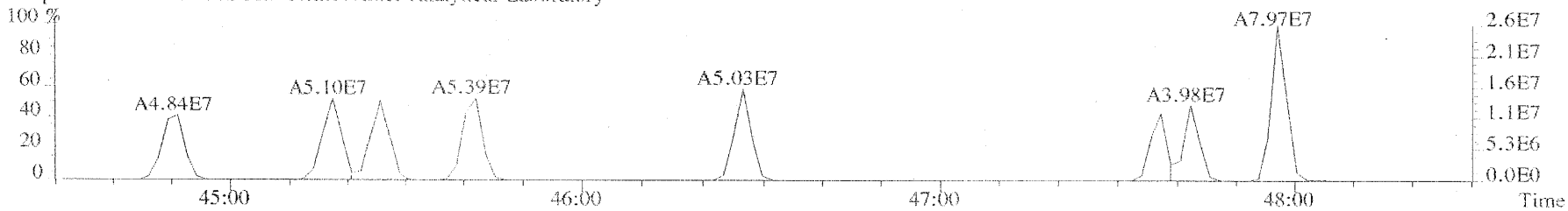
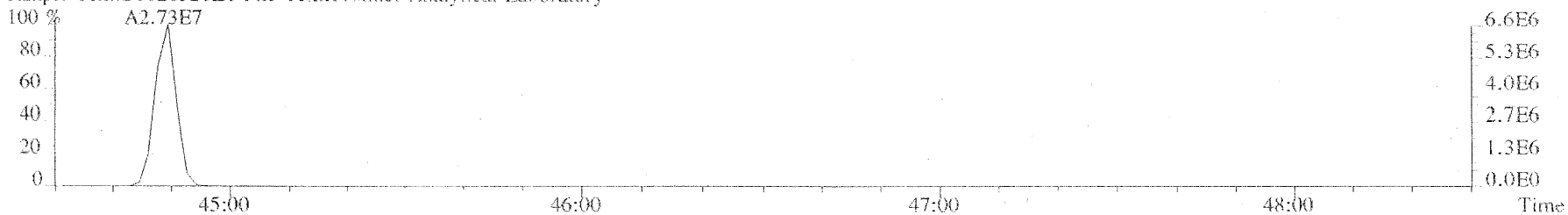
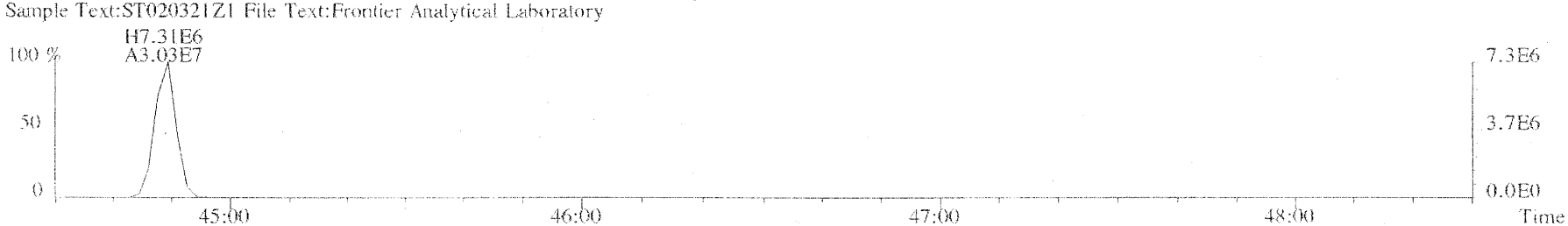
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



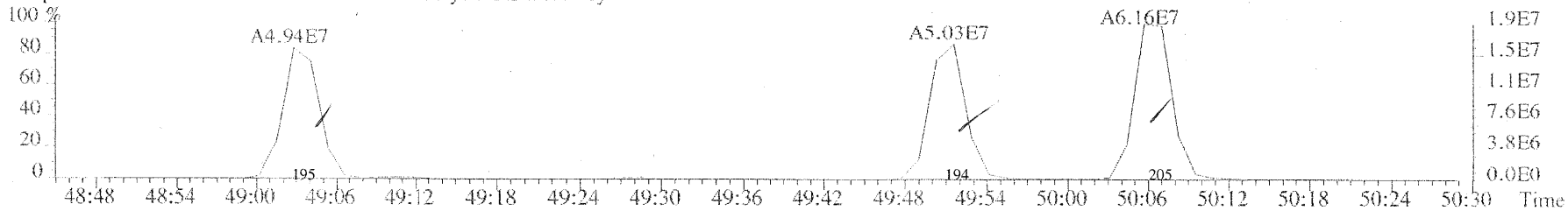
File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



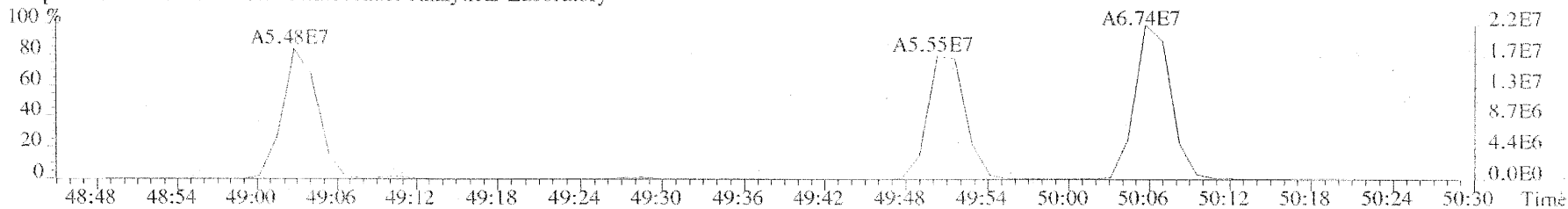
File:03FEB21Z #1-404 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



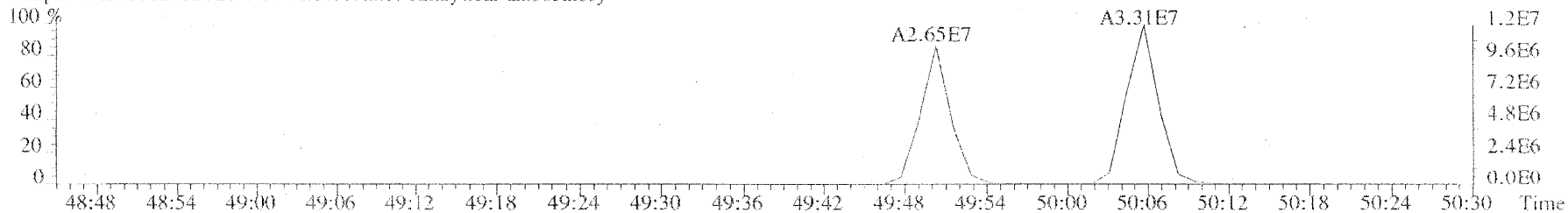
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



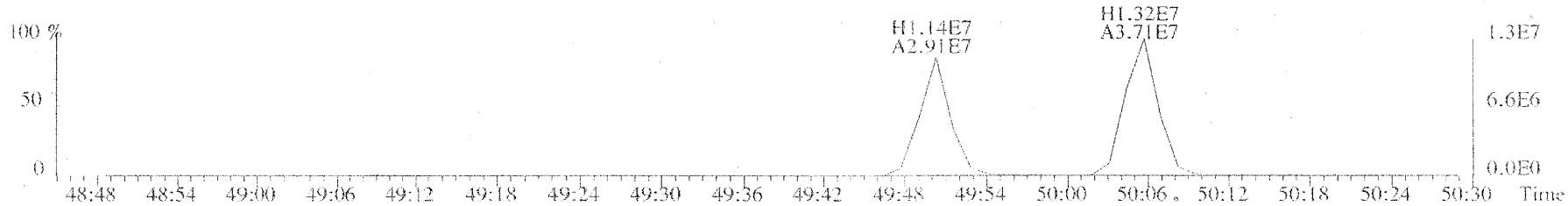
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



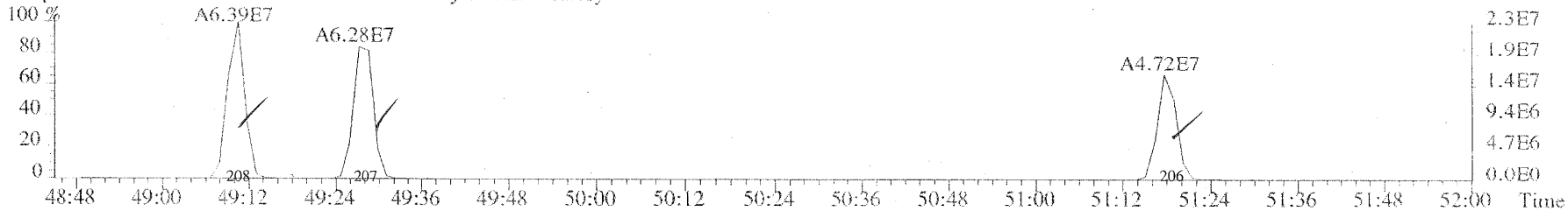
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



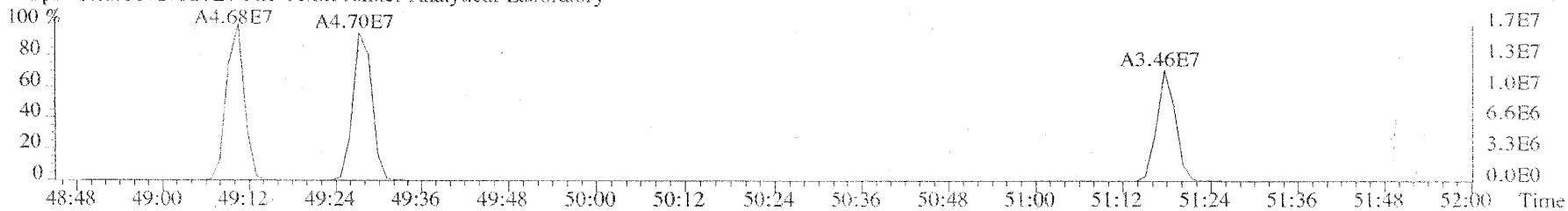
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



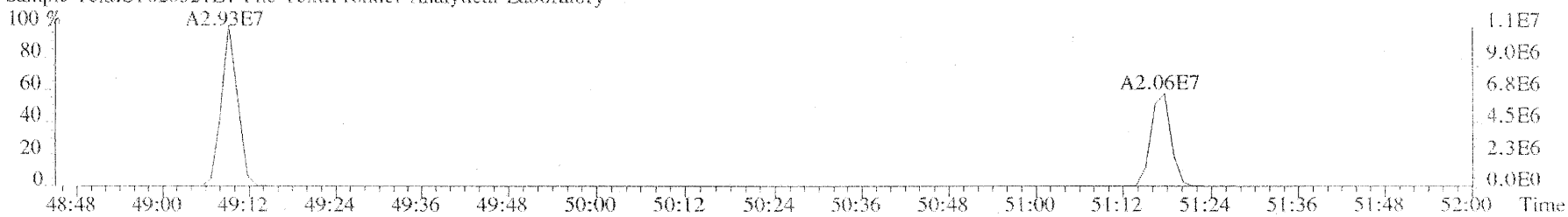
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



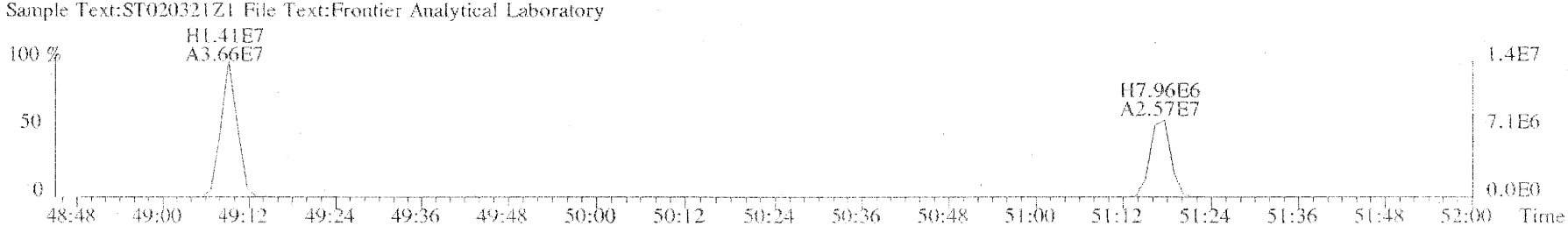
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



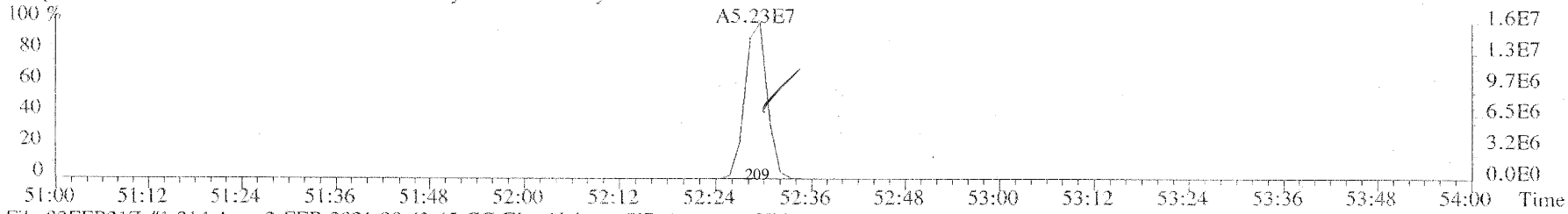
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



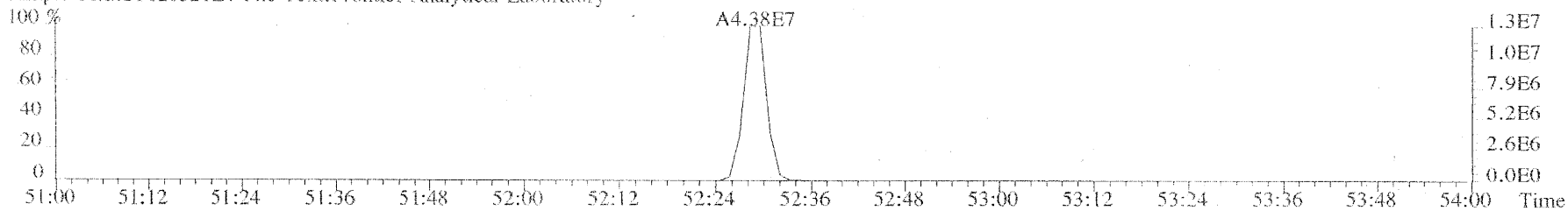
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



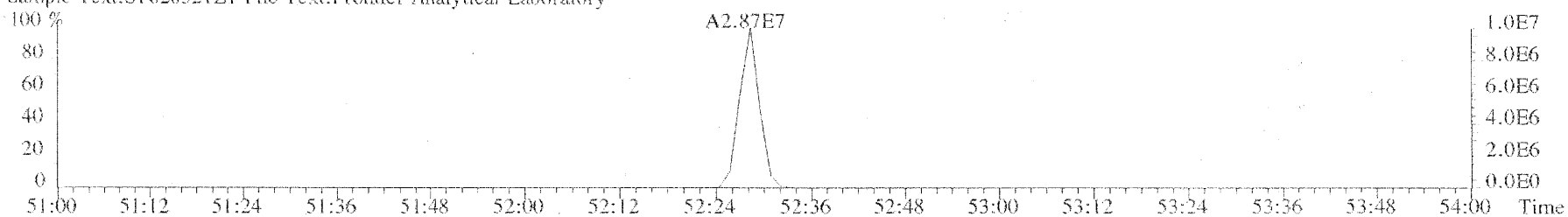
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



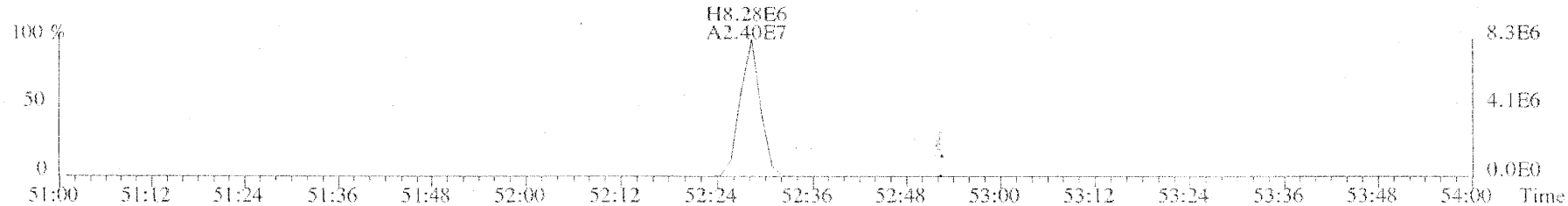
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory



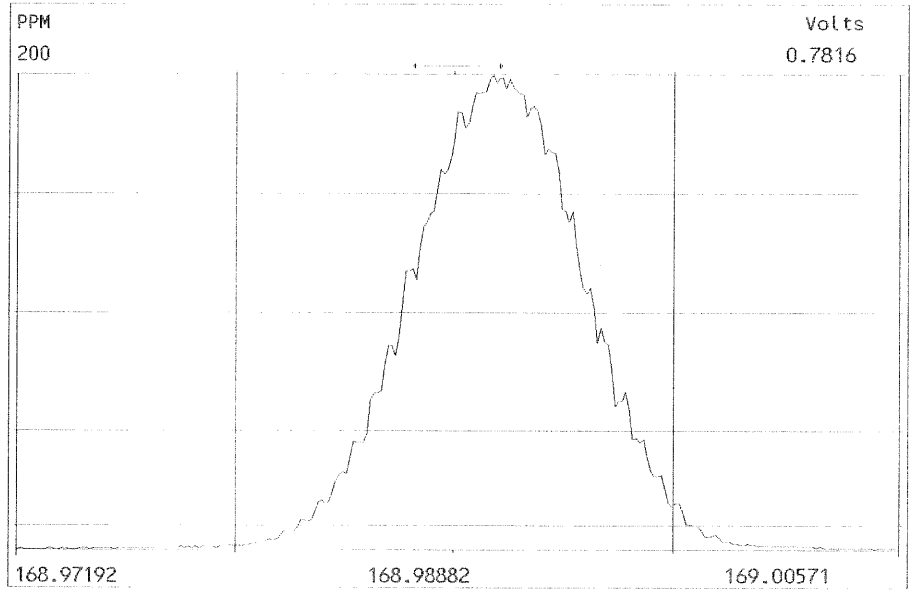
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory

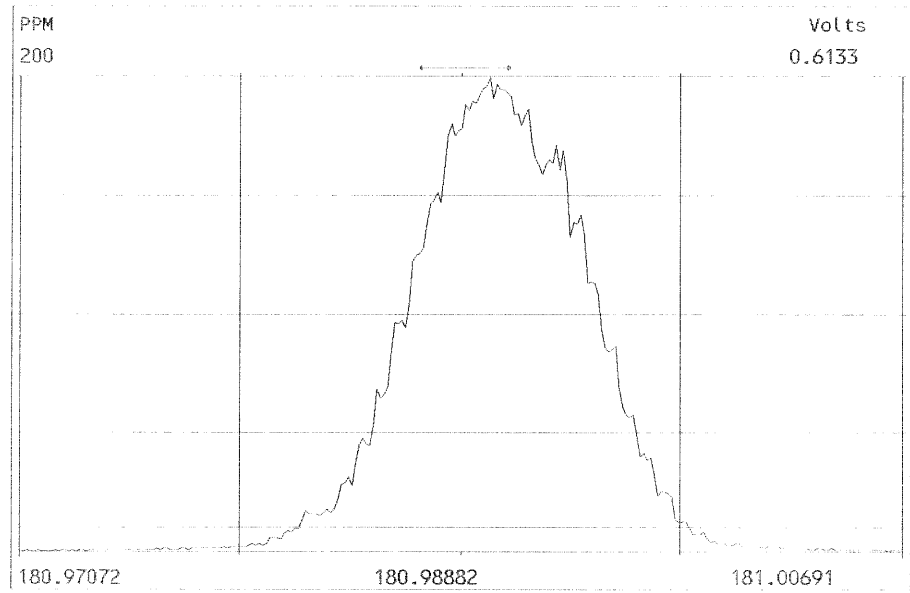


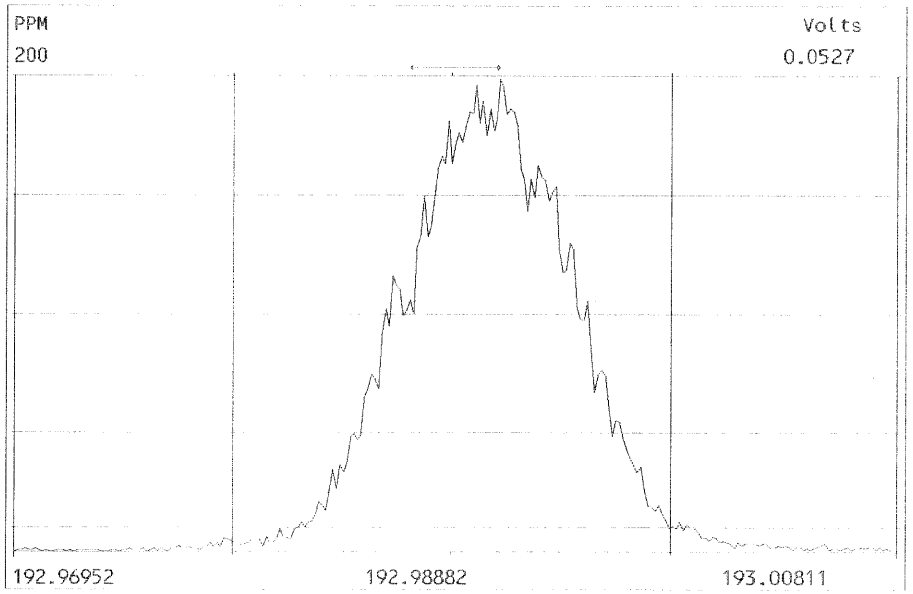
File:03FEB21Z #1-314 Acq: 3-FEB-2021 08:42:45 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z1 File Text:Frontier Analytical Laboratory

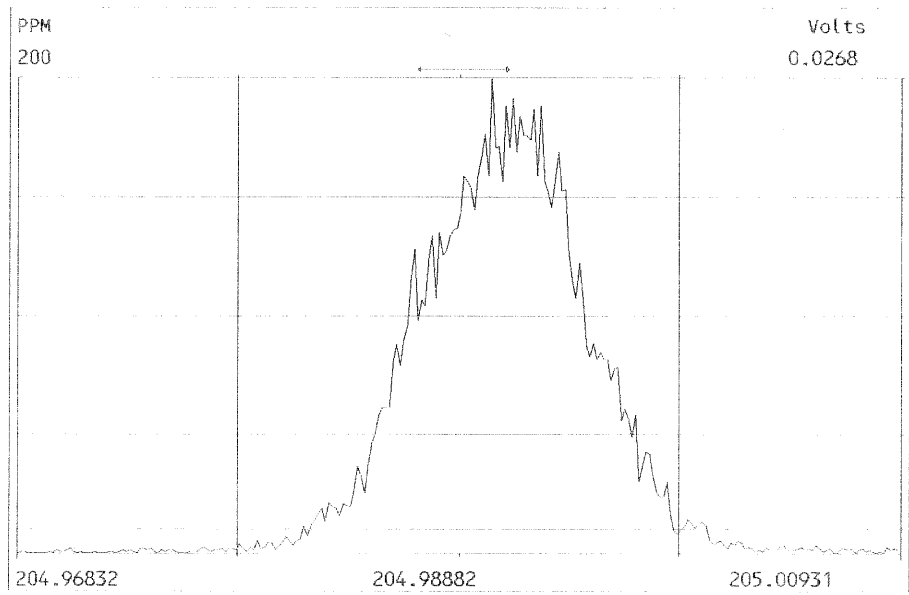


Peak Locate Examination: 3-FEB-2021:16:00 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



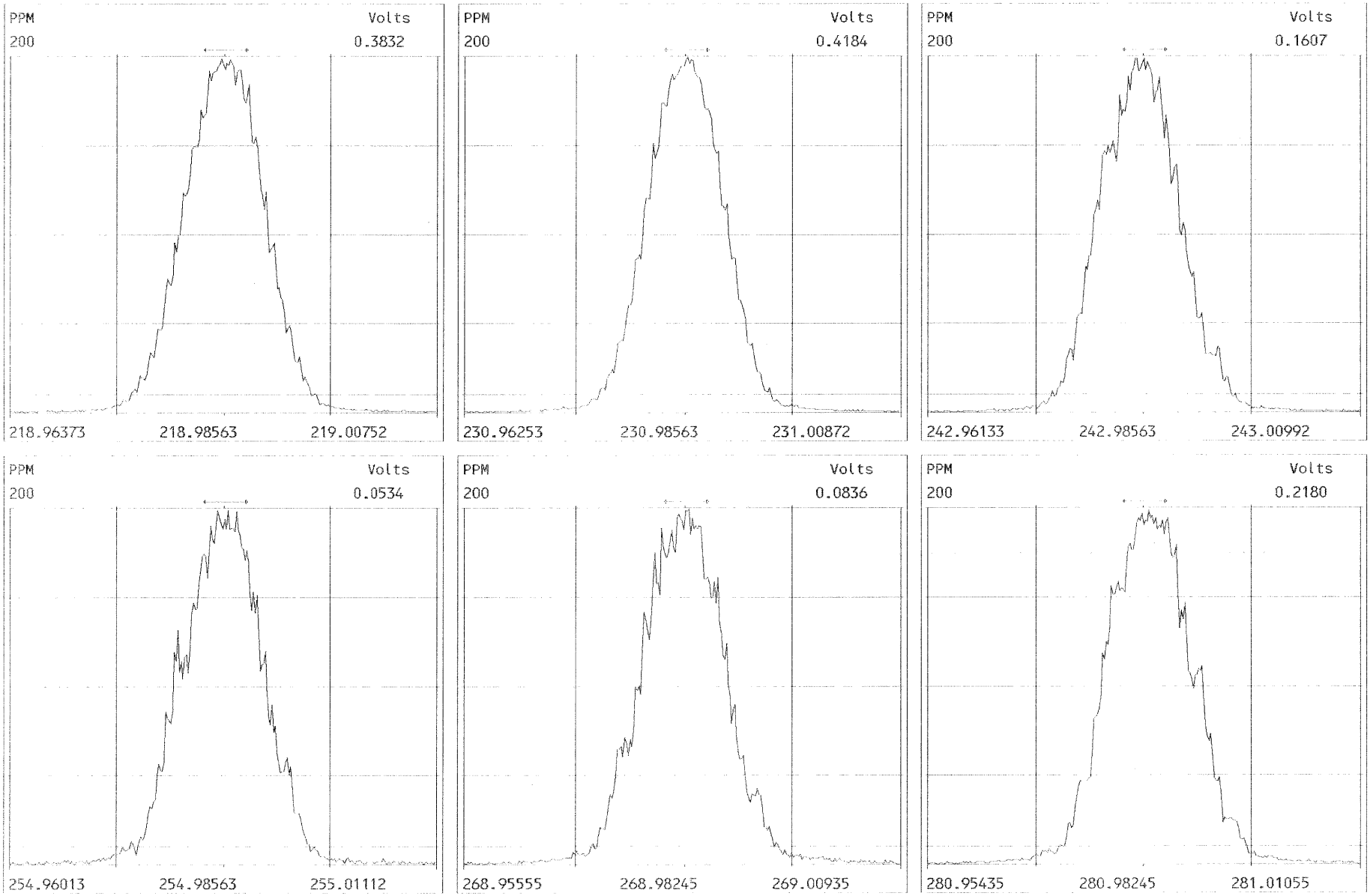






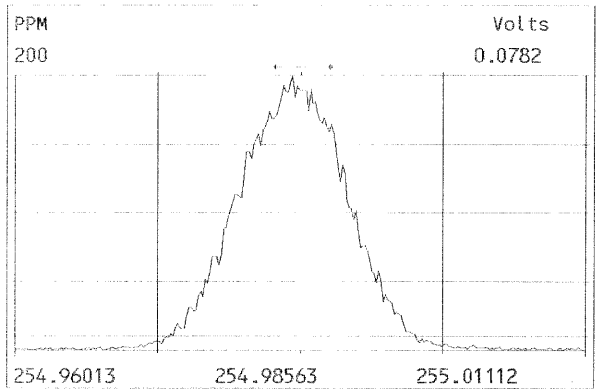
Peak Locate Examination: 3-FEB-2021:16:02 File:03FEB21Z_RES_CHECK

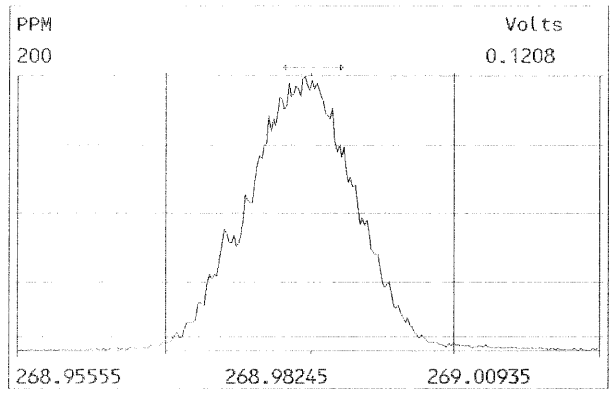
Experiment:1668PCB Function:2 Reference:PFK

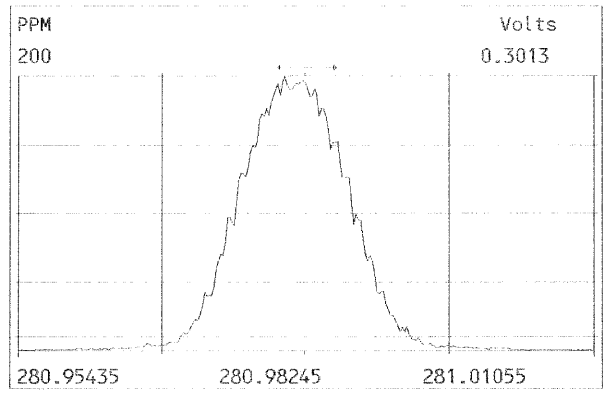


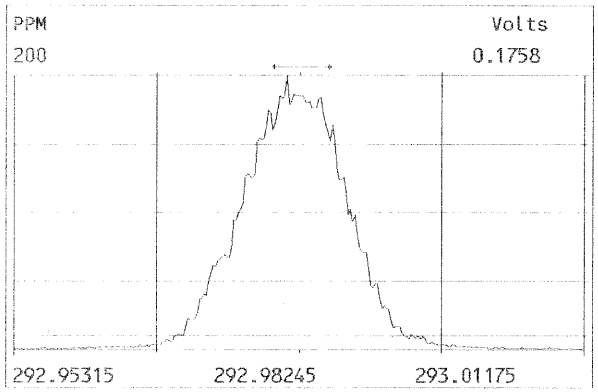
Peak Locate Examination: 3-FEB-2021:16:04 File:03FEB21Z_RES_CHECK

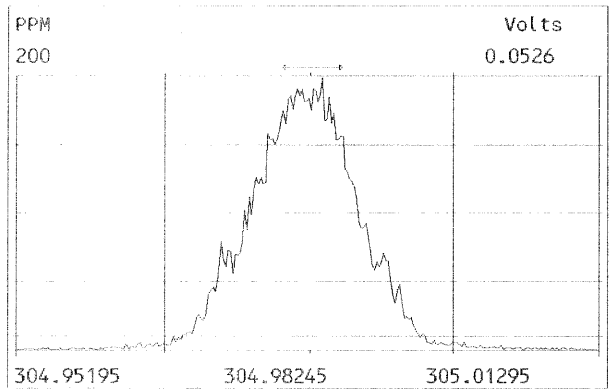
Experiment:1668PCB Function:3 Reference:PFK

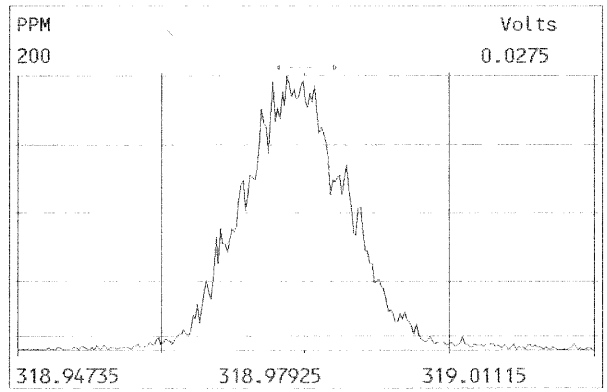


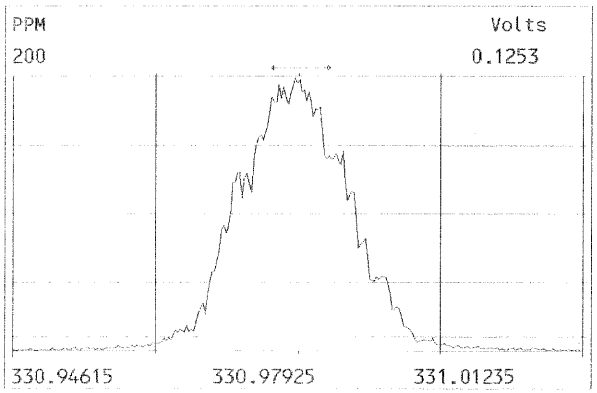


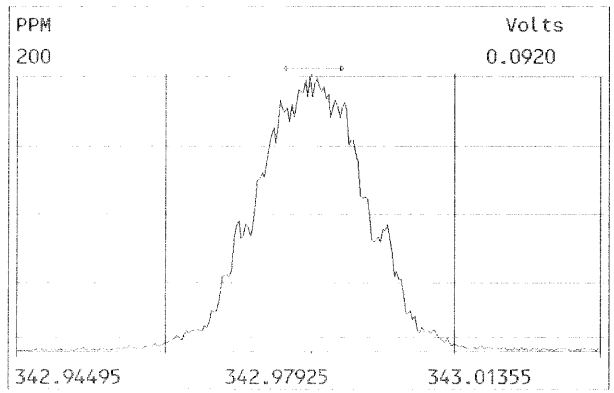






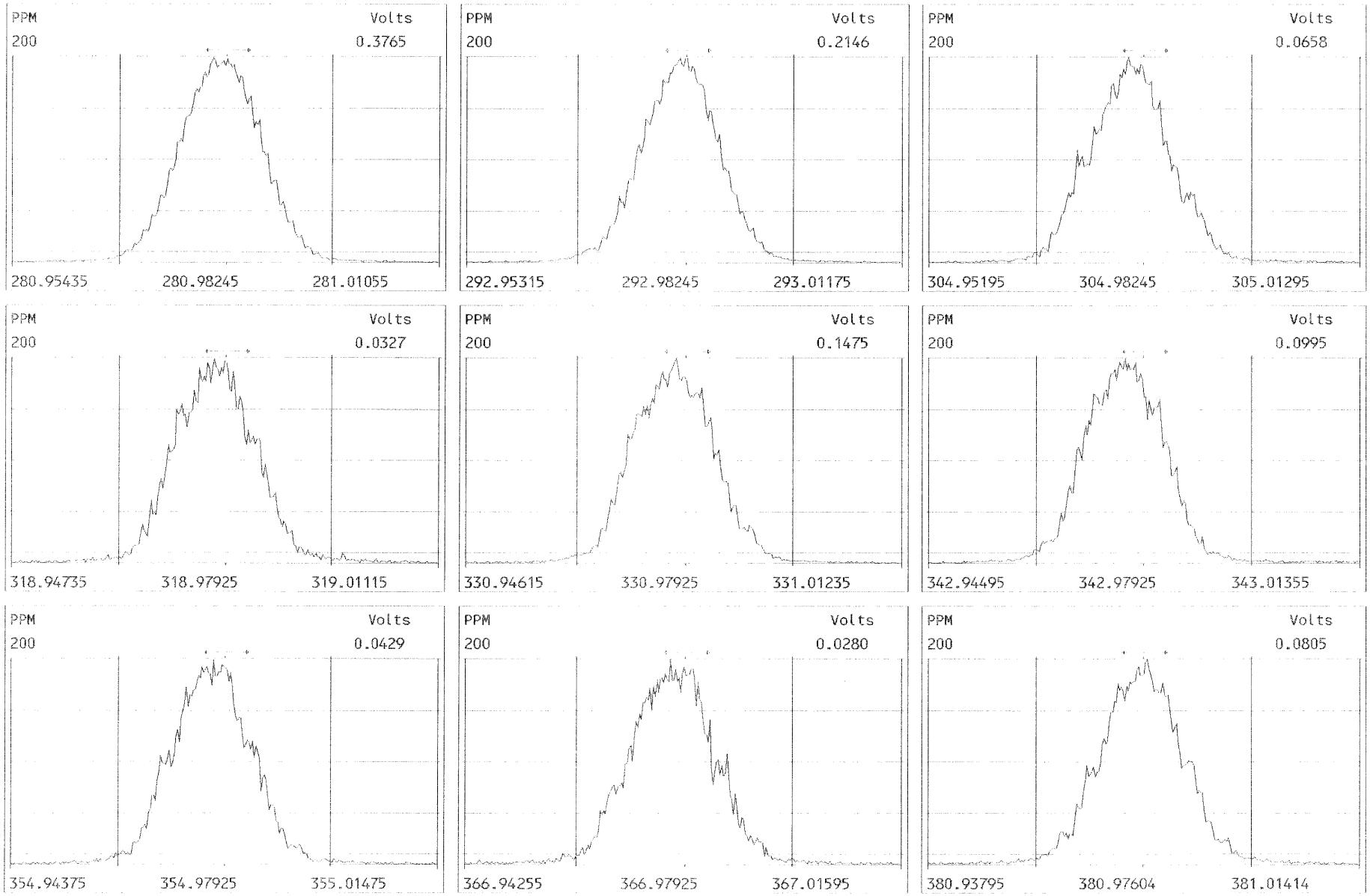




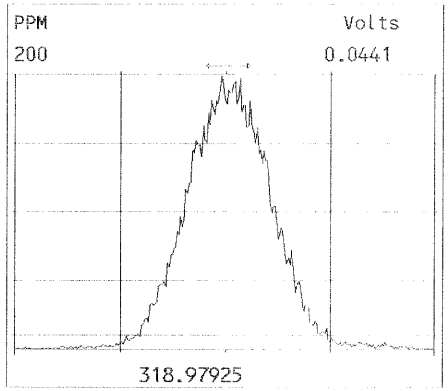


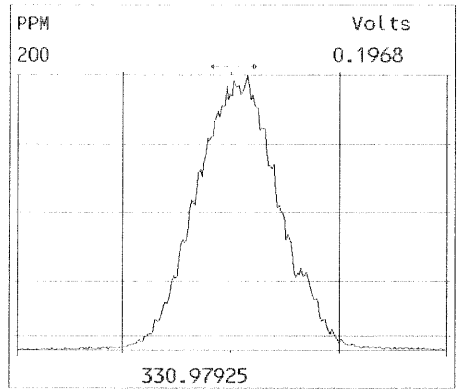
Peak Locate Examination: 3-FEB-2021:16:07 File:03FEB21Z_RES_CHECK

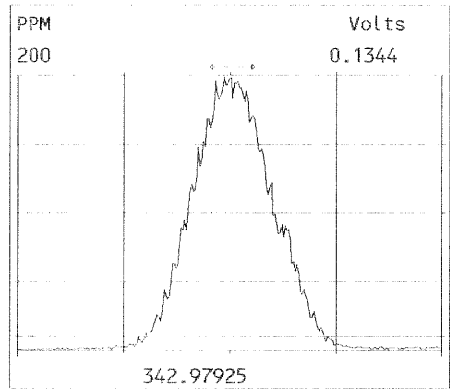
Experiment:1668PCB Function:4 Reference:PFK

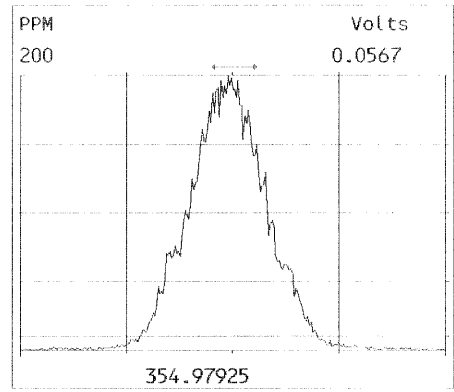


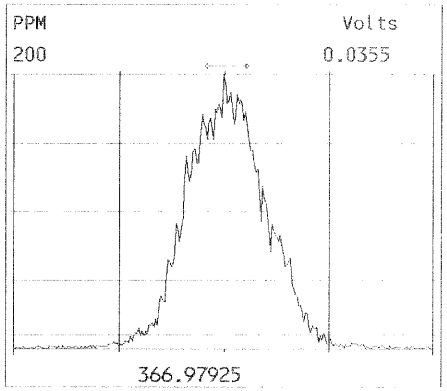
Peak Locate Examination: 3-FEB-2021:16:09 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

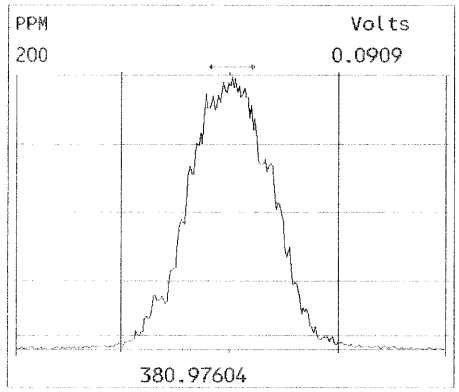


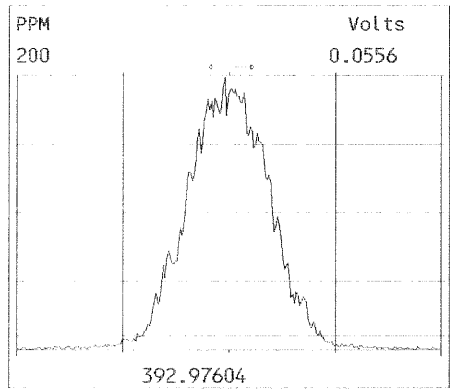


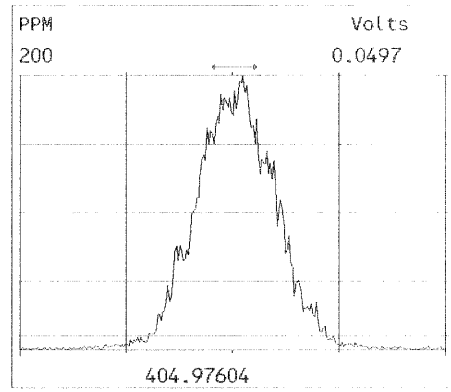


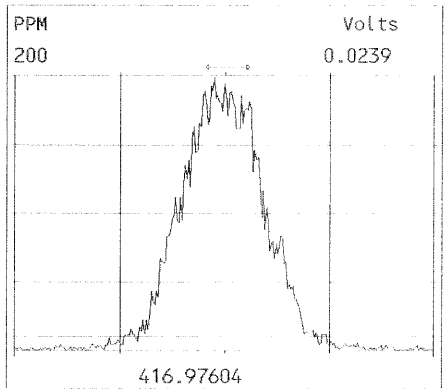


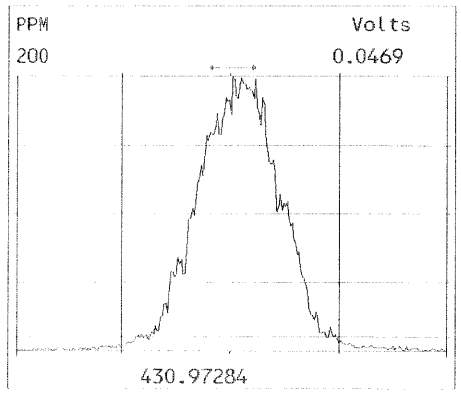


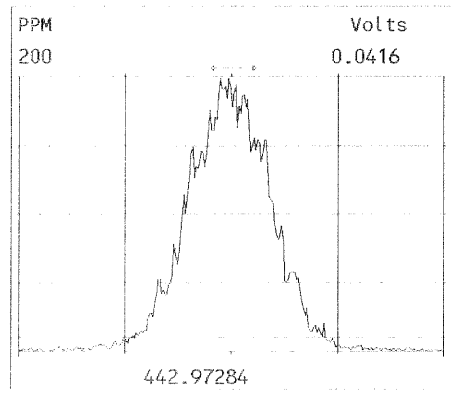




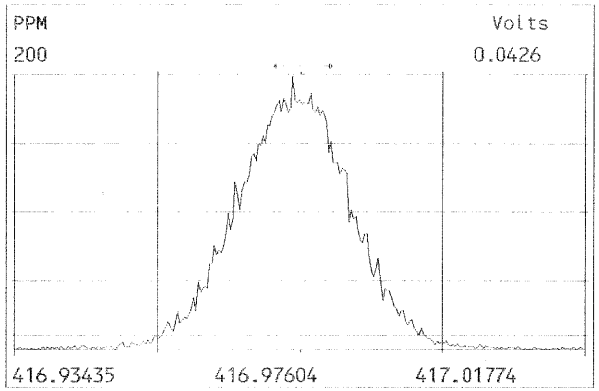


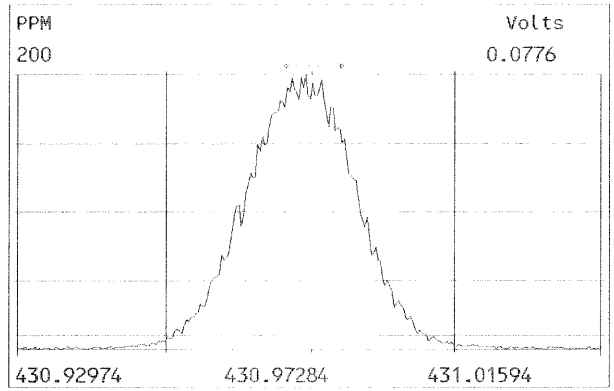


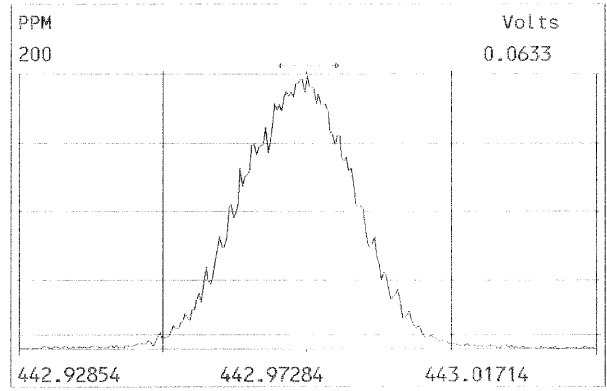


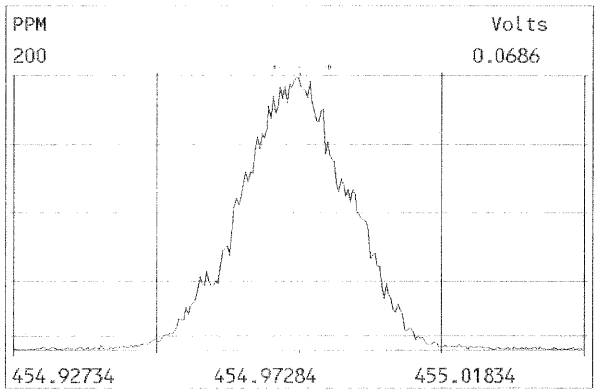


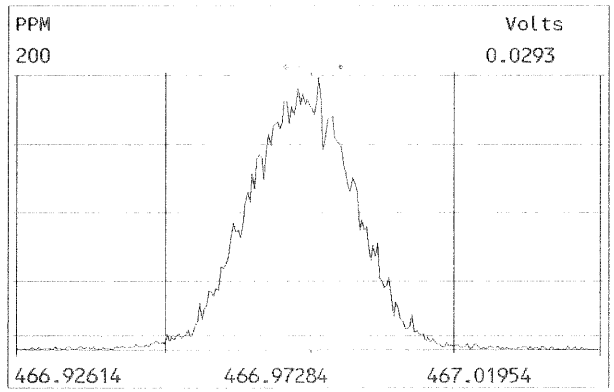
Peak Locate Examination: 3-FEB-2021:16:12 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

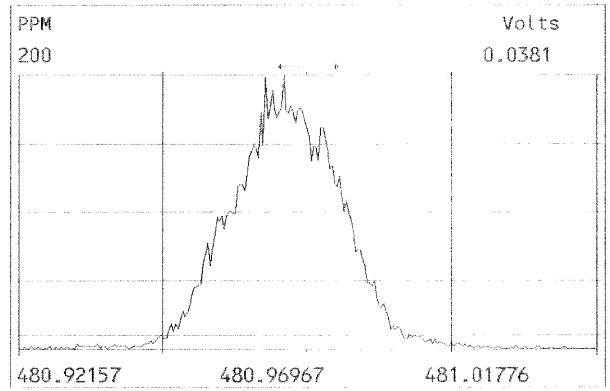


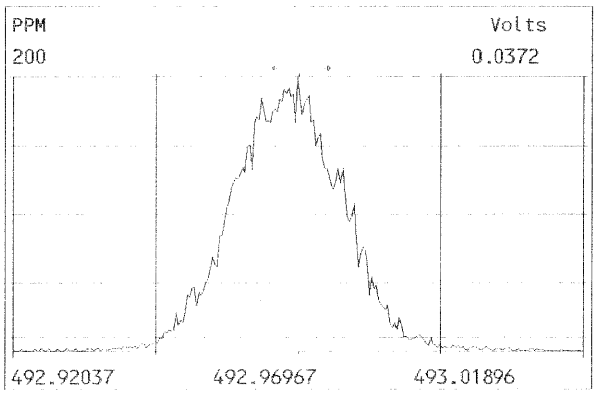


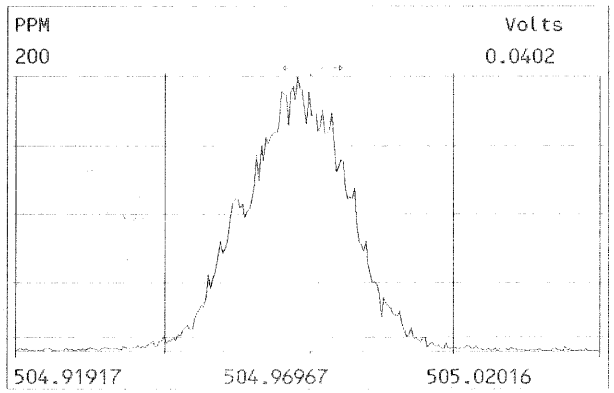


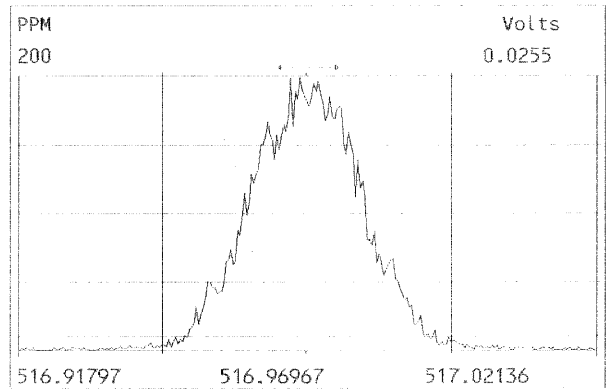












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:7 Analysis Date: 3-FEB-21 14:32:52

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	53.4	37.5 - 62.5
PCB-3	M/M+2	3.30	2.66-3.60	y	54.1	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	49.4	37.5 - 62.5
PCB-15	M/M+2	1.56	1.33-1.79	y	56.5	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	51.5	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	57.1	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	106	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	116	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	104	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	117	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	111	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	214	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	110	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	112	75.0 - 125
PCB-155	M+2/M+4	1.25	1.05-1.43	y	104	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	114	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	109	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	110	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	104	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.8	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	99.1	75.0 - 125
PCB-202	M+2/M+4	0.90	0.76-1.02	y	151	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	152	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	166	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	158	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	159	112.5 - 187.5

Analyst: b Date: 2/4/21

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 12/2/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 03FEB21Z Sam:7 Analysis Date: 3-FEB-21 14:32:52

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	90.8	50.0 - 145
13C-PCB-3	M/M+2	3.21	2.66-3.60	y	82.1	50.0 - 145
13C-PCB-4	M/M+2	1.62	1.33-1.79	y	93.3	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	92.0	50.0 - 145
13C-PCB-19	M/M+2	1.07	0.88-1.20	y	79.5	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	88.1	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	113	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	114	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	89.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	109	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	110	50.0 - 145
13C-PCB-118	M+2/M+4	1.55	1.32-1.78	y	110	50.0 - 145
13C-PCB-123	M+2/M+4	1.63	1.32-1.78	y	106	50.0 - 145
13C-PCB-126	M+2/M+4	1.61	1.32-1.78	y	107	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	92.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	94.1	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	96.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	93.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	90.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	89.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	86.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	100	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	85.2	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	88.7	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	81.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	114	65.0 - 135
13C-PCB-111	M+2/M+4	1.60	1.32-1.78	y	97.4	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	92.0	75.0 - 125

Analyst: _____ Date: 2/4/21

FAL ID: ST020321Z2 Filename: 03FEB21Z Sam:7 Acquired: 3-FEB-21 14:32:52 ICal: 1668PCBFAL4-12-2-20
Client ID: CS209 210115A ConCal: ST020321Z1 EndCal: ST020321Z2
Results: 03FEB21Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.06e+08	3.17 y	14:30	1.19	53.4		2.50	-	-	*	-
13C-PCB-1	1.67e+08	3.20 y	14:29	1.01	90.8		2.50				90.8
PCB-3	1.01e+08	3.30 y	16:56	1.22	54.1		2.50	-	-	*	-
13C-PCB-3	1.52e+08	3.21 y	16:55	1.02	82.1		2.50				82.1
PCB-4	7.21e+07	1.50 y	18:11	1.20	49.4		2.50	-	-	*	-
13C-PCB-4	1.21e+08	1.62 y	18:09	0.72	93.3		2.50				93.3
PCB-15	1.15e+08	1.56 y	23:43	1.17	56.5		2.50	-	-	*	-
13C-PCB-15	1.74e+08	1.60 y	23:42	1.04	92.0		2.50				92.0
PCB-19	5.03e+07	1.06 y	22:04	1.23	51.5		2.50	-	-	*	-
13C-PCB-19	7.97e+07	1.07 y	22:02	0.55	79.5		2.50				79.5
13C-PCB-9	1.81e+08	1.65 y	19:50	-	168		2.50				
PCB-37	9.59e+07	1.09 y	30:22	1.17	57.1		2.50	-	-	*	-
13C-PCB-37	1.43e+08	1.07 y	30:21	1.64	102		2.50				102
PCB-54	1.32e+08	0.79 y	25:35	1.23	106		2.50	-	-	*	-
13C-PCB-54	1.01e+08	0.81 y	25:34	1.33	88.1		2.50				88.1
PCB-104	9.80e+07	1.55 y	30:02	1.12	104		2.50	-	-	*	-
13C-PCB-104	8.36e+07	1.56 y	30:01	1.09	89.5		2.50				89.5
13C-PCB-28	1.70e+08	1.06 y	26:40	1.74	114		2.50				114
13C-PCB-52	8.59e+07	0.81 y	28:55	-	156		2.50				
PCB-81	1.72e+08	0.80 y	36:08	1.20	116		2.50	-	-	*	-
13C-PCB-81	1.23e+08	0.80 y	36:07	1.50	114		2.50				114
PCB-77	1.49e+08	0.81 y	36:43	1.15	103		2.50	-	-	*	-
13C-PCB-77	1.26e+08	0.79 y	36:41	1.54	113		2.50				113
PCB-155	1.00e+08	1.25 y	34:12	1.07	104		2.50	-	-	*	-
13C-PCB-155	9.00e+07	1.28 y	34:10	1.35	92.4		2.50				92.4
13C-PCB-111	8.93e+07	1.60 y	36:16	1.27	97.4		2.50				97.4
13C-PCB-101	7.20e+07	1.63 y	34:37	-	153		2.50				
PCB-123	1.34e+08	1.60 y	38:20	1.14	110		2.50	-	-	*	-
13C-PCB-123	1.07e+08	1.63 y	38:18	1.34	106		2.50				106
PCB-118	2.94e+08	1.58 y	38:31	1.15	214		2.50	-	-	*	-
13C-PCB-118	1.19e+08	1.55 y	38:29	1.44	110		2.50				110
PCB-114	1.43e+08	1.54 y	39:07	1.13	111		2.50	-	-	*	-
13C-PCB-114	1.14e+08	1.61 y	39:06	1.39	110		2.50				110
PCB-105	1.47e+08	1.57 y	39:57	1.12	117		2.50	-	-	*	-
13C-PCB-105	1.12e+08	1.61 y	39:55	1.38	109		2.50				109
PCB-126	1.35e+08	1.60 y	42:05	1.12	112		2.50	-	-	*	-
13C-PCB-126	1.07e+08	1.61 y	42:03	1.33	107		2.50				107
PCB-167	1.12e+08	1.25 y	43:26	1.14	110		2.50	-	-	*	-
13C-PCB-167	8.96e+07	1.30 y	43:24	1.23	96.9		2.50				96.9
PCB-156	1.12e+08	1.27 y	44:40	1.16	114		2.50	-	-	*	-
13C-PCB-156	8.50e+07	1.29 y	44:38	1.22	92.8		2.50				92.8
PCB-157	1.11e+08	1.26 y	44:55	1.15	109		2.50	-	-	*	-
13C-PCB-157	8.89e+07	1.28 y	44:55	1.26	94.1		2.50				94.1
PCB-169	1.00e+08	1.27 y	46:48	1.13	104		2.50	-	-	*	-
13C-PCB-169	8.48e+07	1.26 y	46:46	1.22	93.0		2.50				93.0
PCB-188	9.17e+07	1.05 y	39:42	1.12	99.8		2.50	-	-	*	-
13C-PCB-188	8.20e+07	1.06 y	39:40	1.21	90.3		2.50				90.3
PCB-189	7.92e+07	1.06 y	48:27	1.10	99.1		2.50	-	-	*	-
13C-PCB-189	7.25e+07	1.06 y	48:25	1.08	89.3		2.50				89.3
PCB-202	1.14e+08	0.90 y	44:50	1.06	151		2.50	-	-	*	-
13C-PCB-202	7.13e+07	0.92 y	44:48	1.10	86.4		2.50				86.4
13C-PCB-178	5.90e+07	1.08 y	42:20	0.86	92.0		2.50				92.0
13C-PCB-138	7.50e+07	1.28 y	41:32	-	161		2.50				

Client ID: CS209 210115A ConCal: ST02032121 EndCal: ST02032122
Results: 03FEB21Z GC Column: DB1MS Amount: 1.000

PCB-205	1.65e+08	0.90	y	50:06	1.22	152	2.50	-	-	*	-
13C-PCB-205	8.87e+07	0.88	y	50:06	1.31	100	2.50				100
PCB-208	1.39e+08	1.33	y	49:09	1.04	158	2.50	-	-	*	-
13C-PCB-208	8.48e+07	0.80	y	49:09	1.42	88.7	2.50				88.7
PCB-206	1.04e+08	1.34	y	51:18	1.05	166	2.50	-	-	*	-
13C-PCB-206	5.93e+07	0.80	y	51:16	1.03	85.2	2.50				85.2
PCB-209	1.24e+08	1.19	y	52:28	1.15	159	2.50	-	-	*	-
13C-PCB-209	6.79e+07	1.20	y	52:27	1.23	81.8	2.50				81.8
13C-PCB-194	6.75e+07	0.90	y	49:50	-	193	2.50				

Analyst: _____ Date: 2/4/21

Frontier Analytical Laboratory - Acquisition Log

Run Name:03FEB21Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

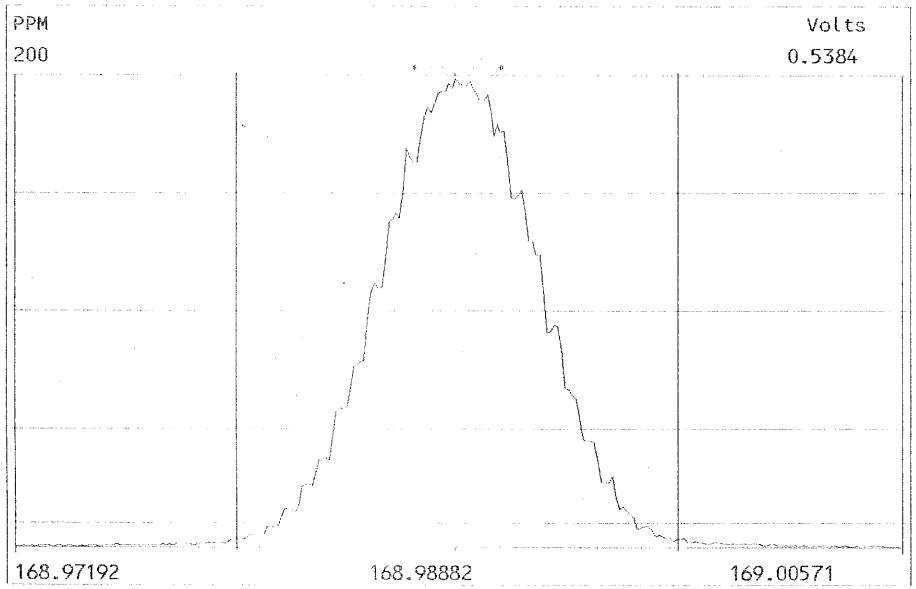
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
03FEB21Z	1	ST020321Z1	CS209 210115A	3-FEB-21 08:42:45	ST020321Z1	ST020321Z2	BS
03FEB21Z	2	SB020321Z1	Solvent Blank	3-FEB-21 09:41:05	ST020321Z1	ST020321Z2	BS
03FEB21Z	3	13559-006-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CORE	3-FEB-21 10:39:27	ST020321Z1	ST020321Z2	BS
03FEB21Z	4	SB020321Z2	Solvent Blank	3-FEB-21 11:37:48	ST020321Z1	ST020321Z2	BS
03FEB21Z	5	QC020321Z1	QC210127A	3-FEB-21 12:36:09	ST020321Z1	ST020321Z2	BS
03FEB21Z	6	SB020321Z3	Solvent Blank	3-FEB-21 13:34:30	ST020321Z1	ST020321Z2	BS
03FEB21Z	7	ST020321Z2	CS209 210115A	3-FEB-21 14:32:52	ST020321Z1	ST020321Z2	BS

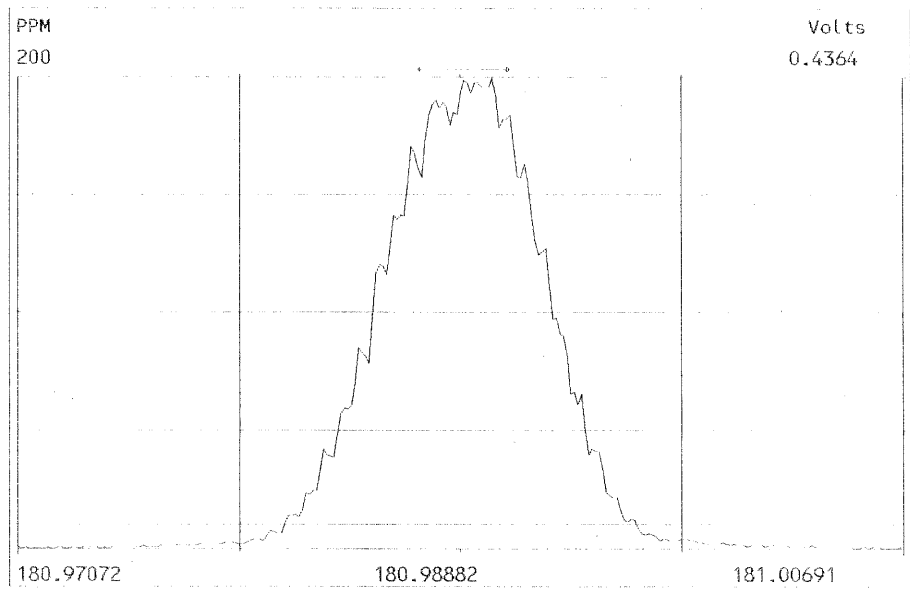
B 2/4/21

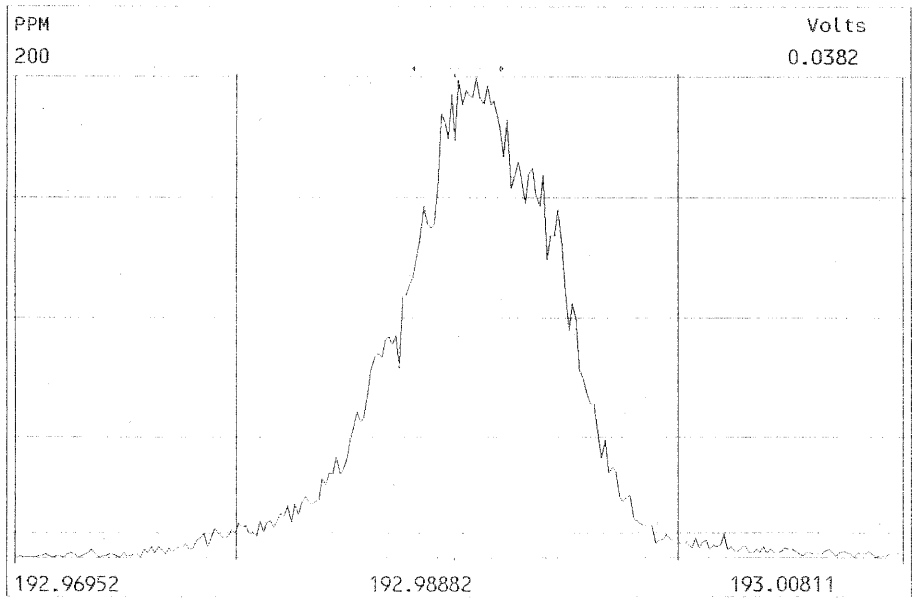
Data Backed Up:_____

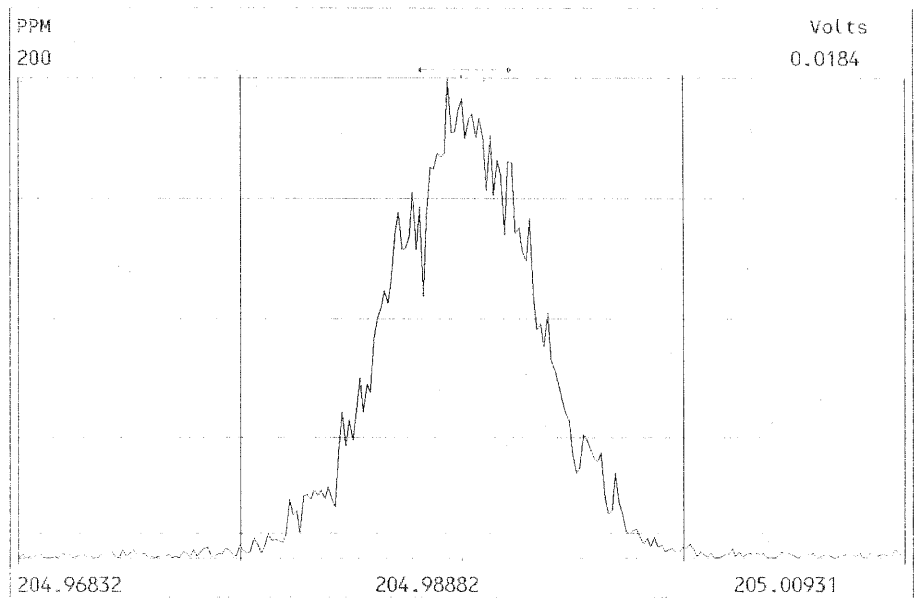
Date:_____

Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z
Experiment:1668PCB Function:1 Reference:PFK

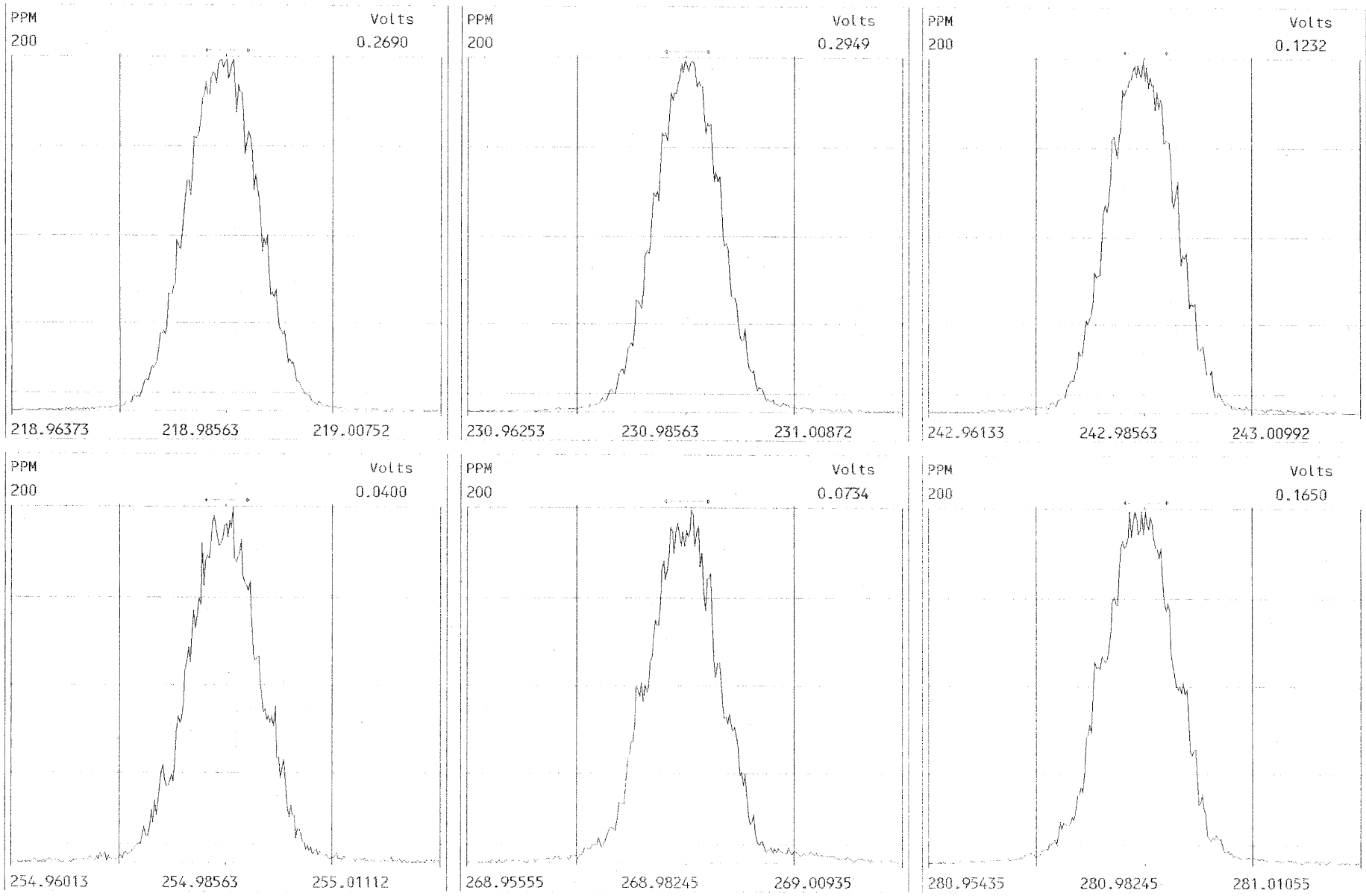






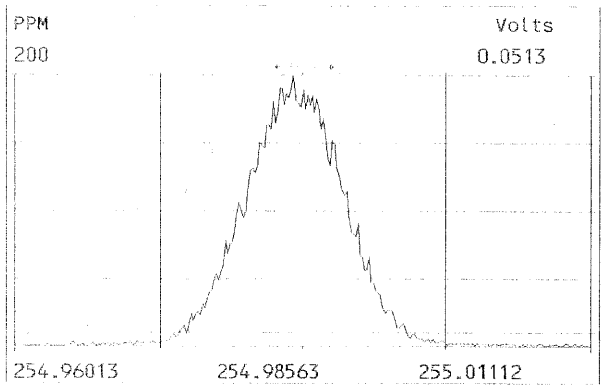


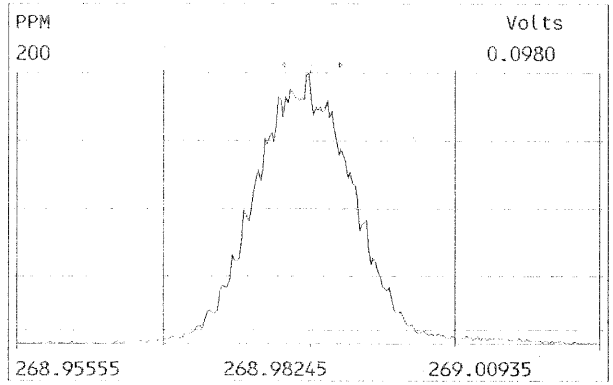
Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z
Experiment:1668PCB Function:2 Reference:PFK

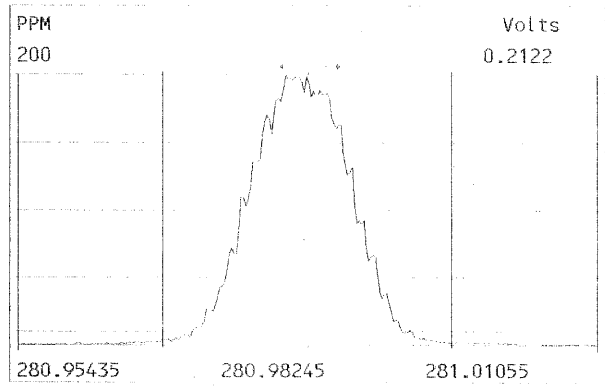


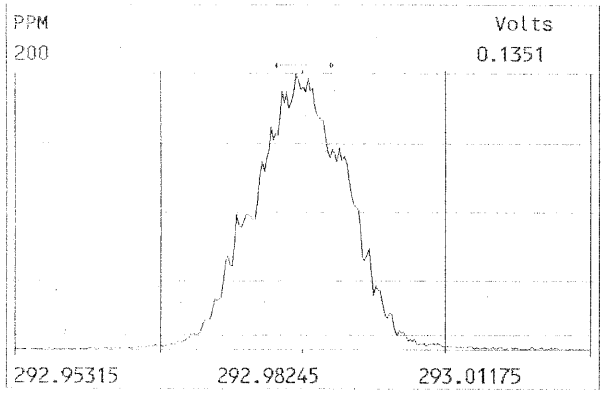
Peak Locate Examination: 3-FEB-2021:08:40 File:03FEB21Z

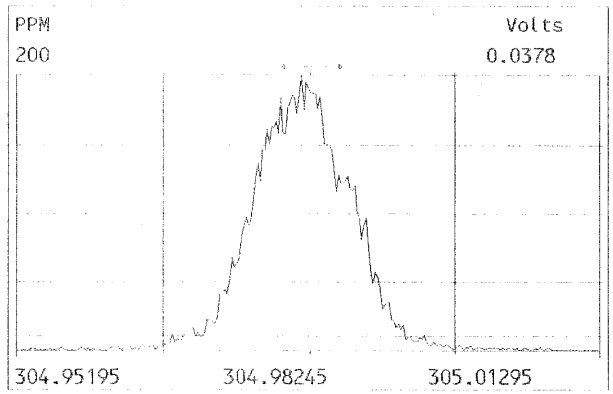
Experiment:1668PCB Function:3 Reference:PFK

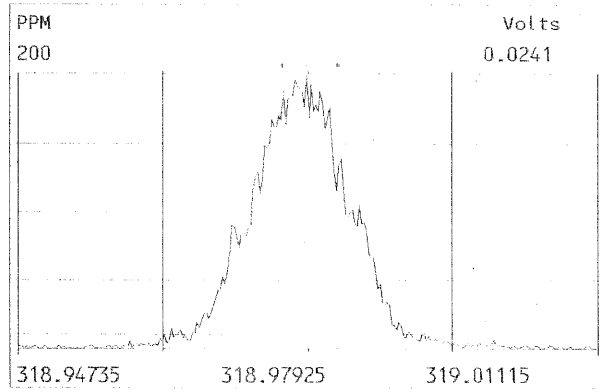


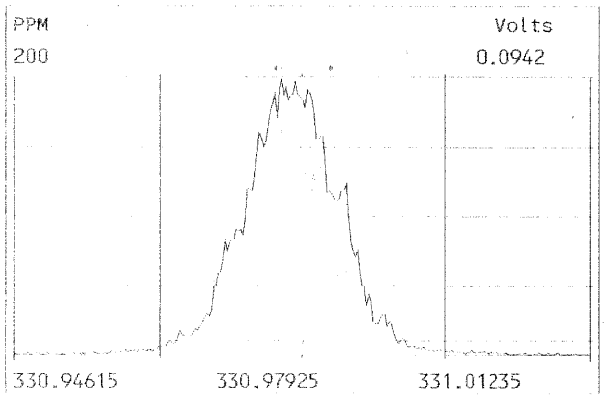


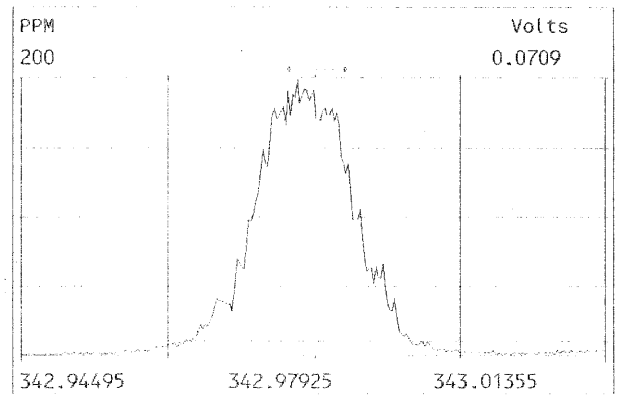




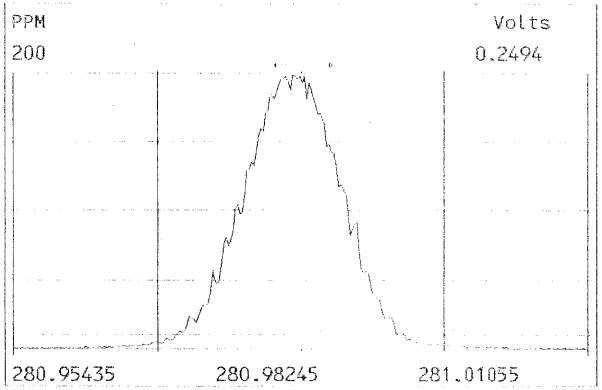


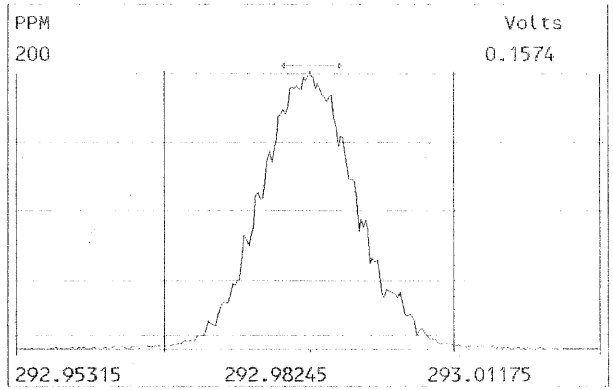


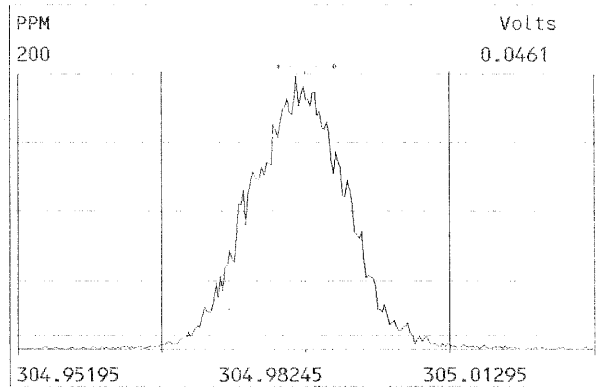


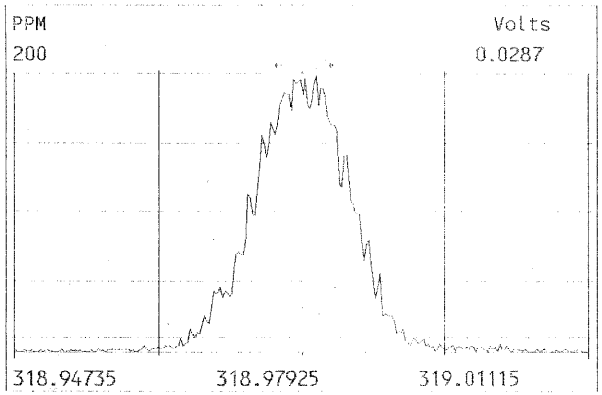


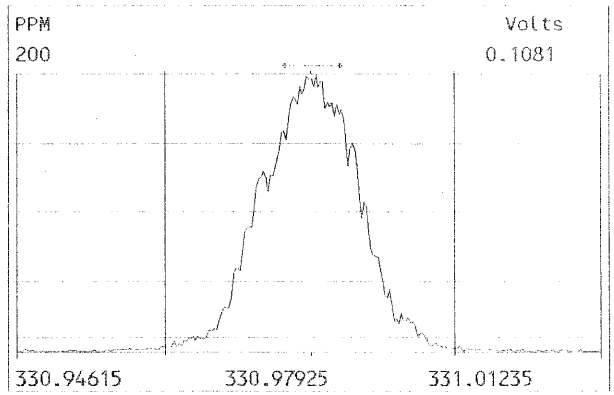
Peak Locate Examination: 3-FEB-2021:08:41 File:03FEB21Z
Experiment:1668PCB Function:4 Reference:PFK

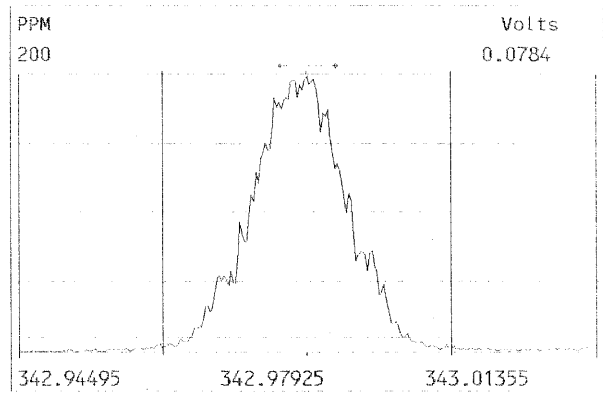


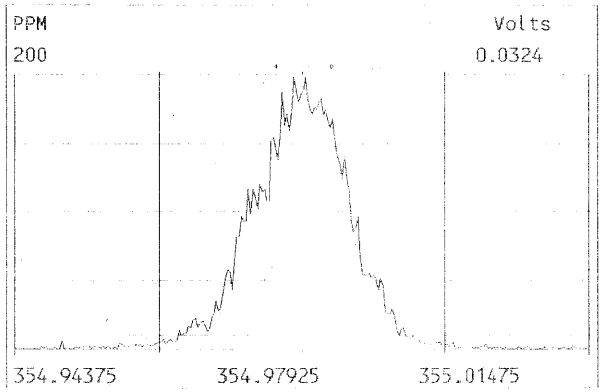


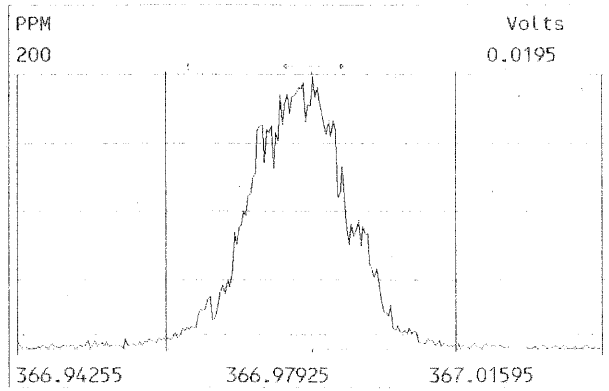


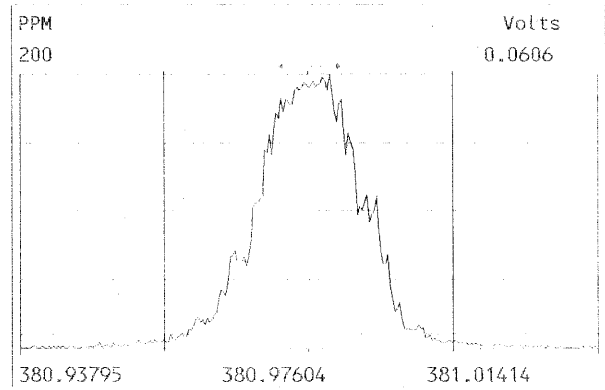




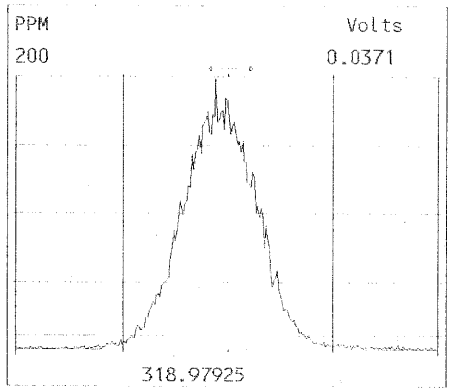


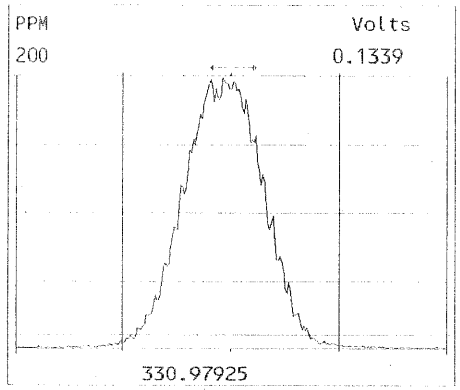


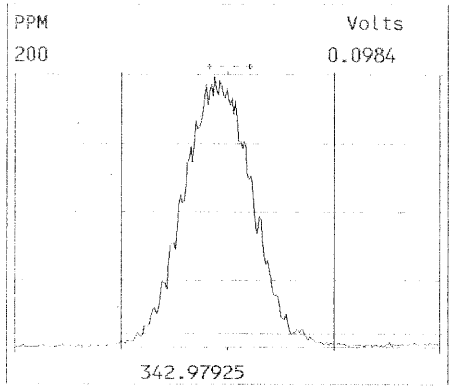


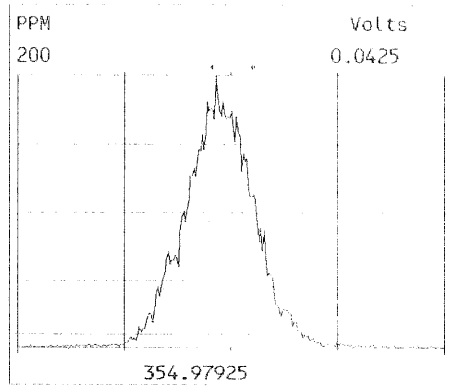


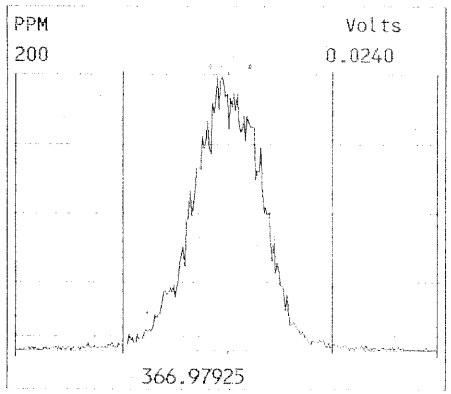
Peak Locate Examination: 3-FEB-2021:08:41 File:03FEB21Z
Experiment:1668PCB Function:5 Reference:PFK

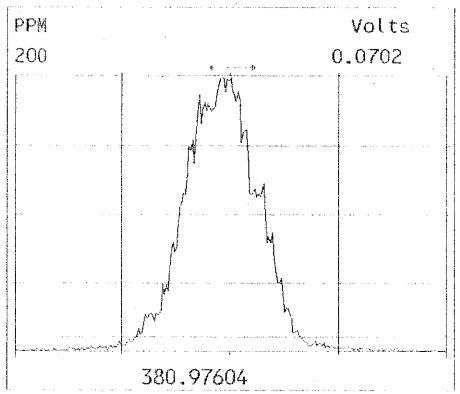


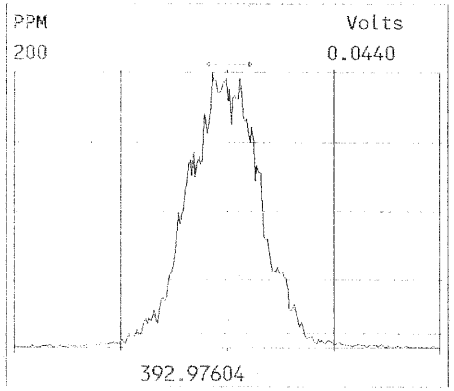


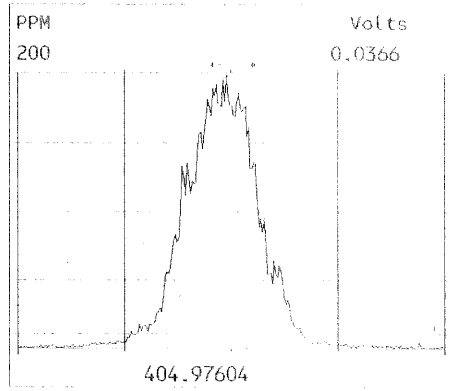


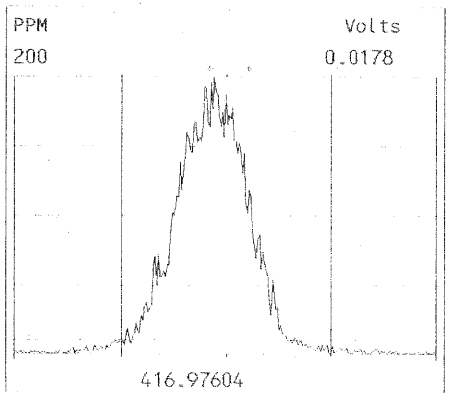


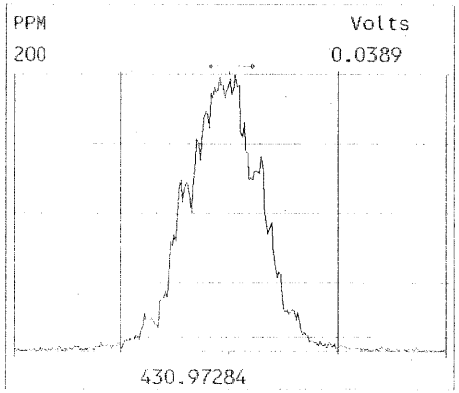


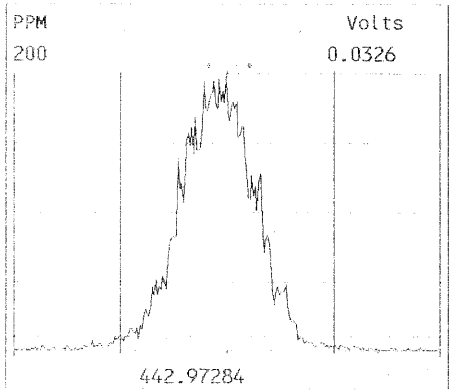




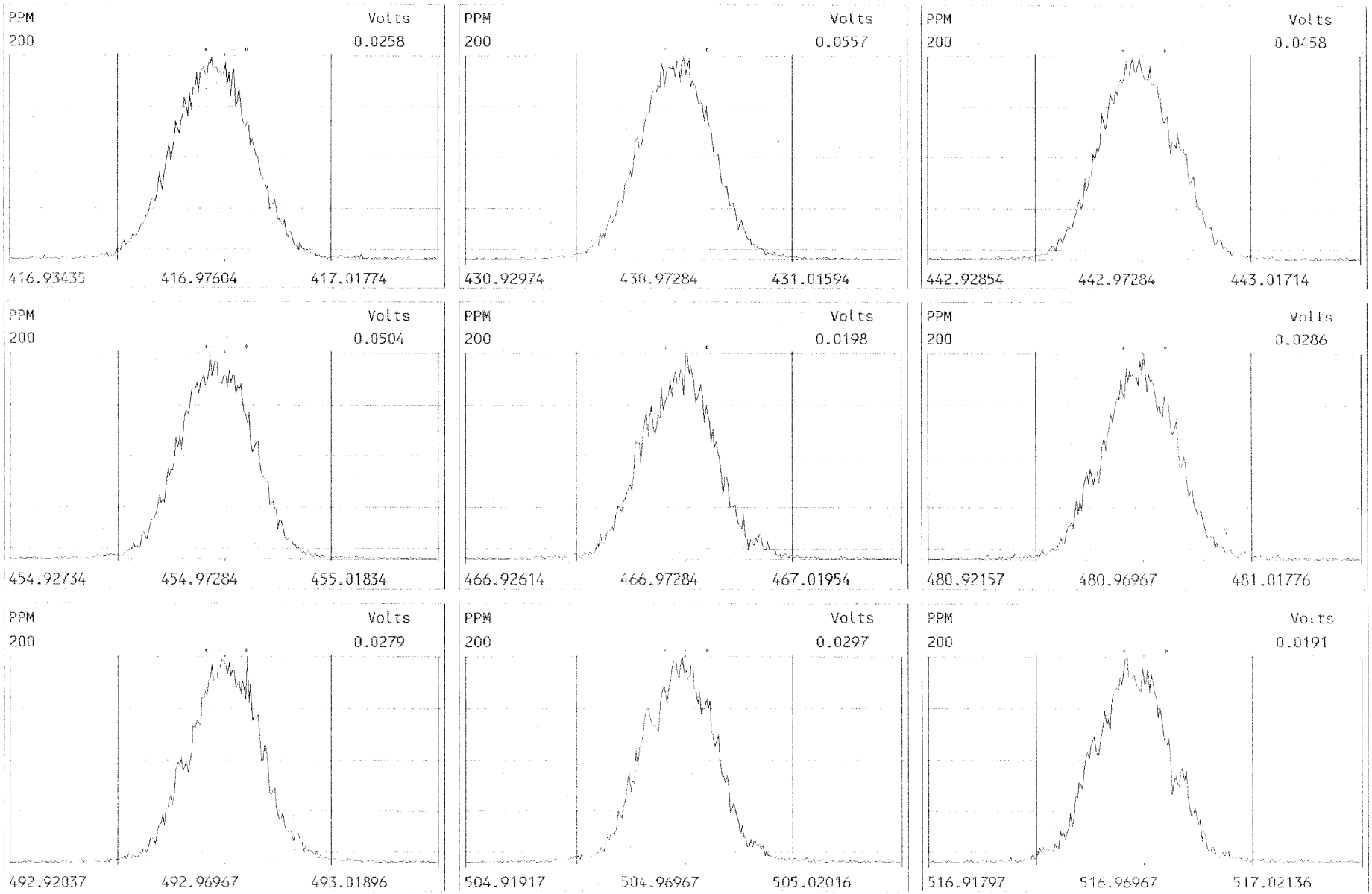




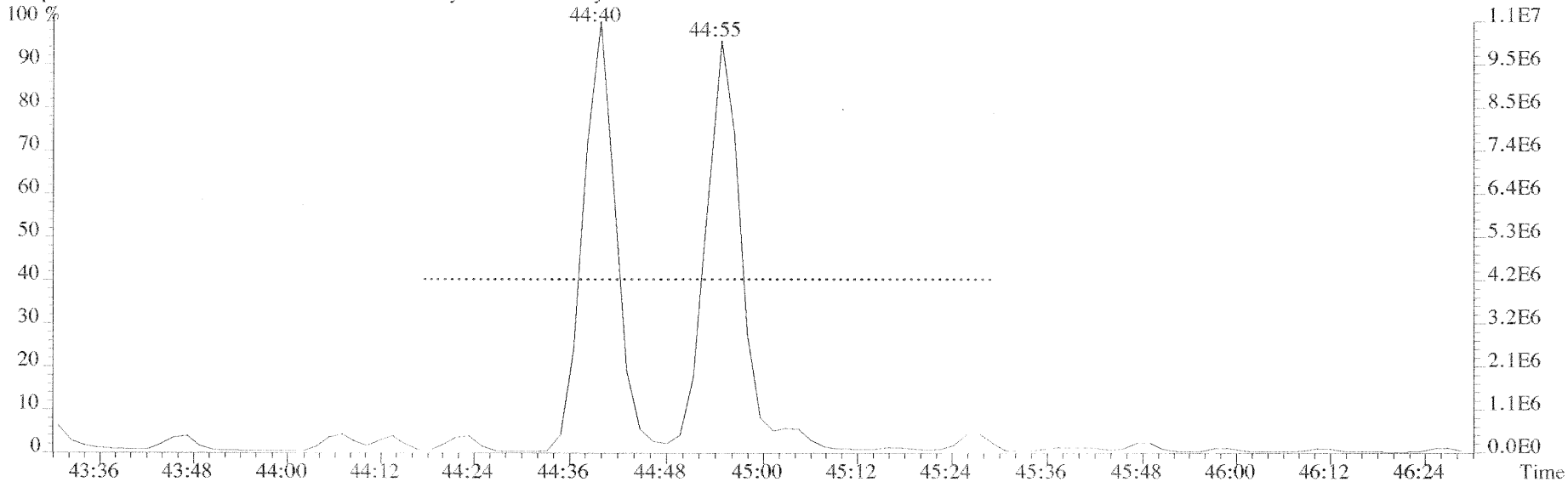




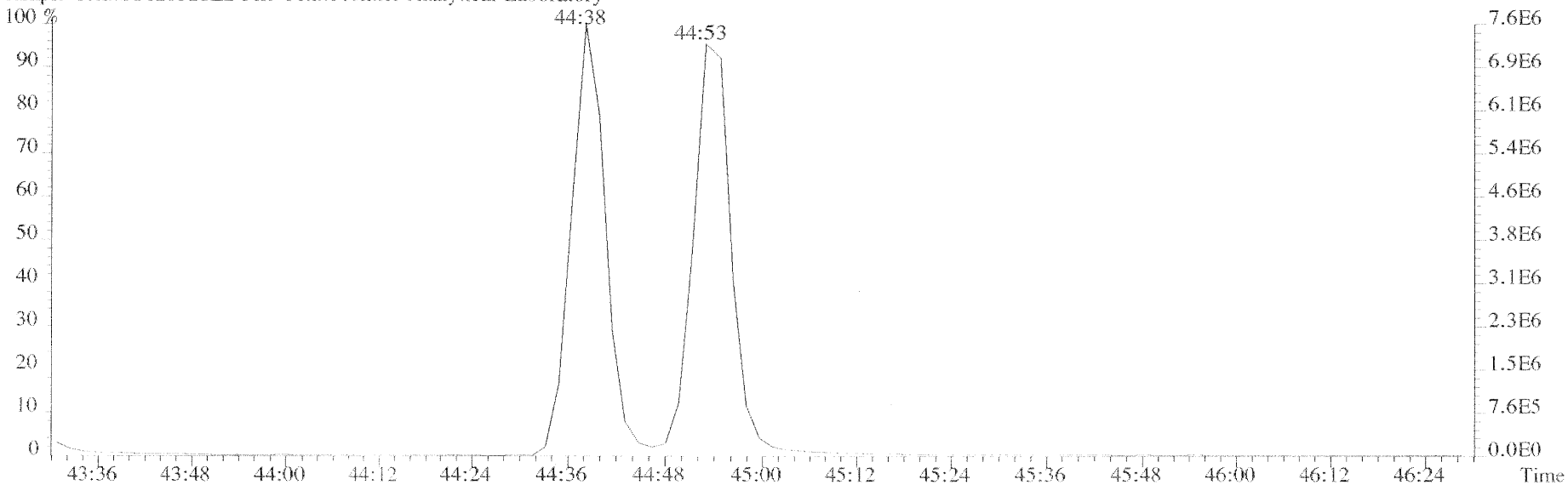
Peak Locate Examination: 3-FEB-2021:08:42 File:03FEB21Z
Experiment:1668PCB Function:6 Reference:PFK



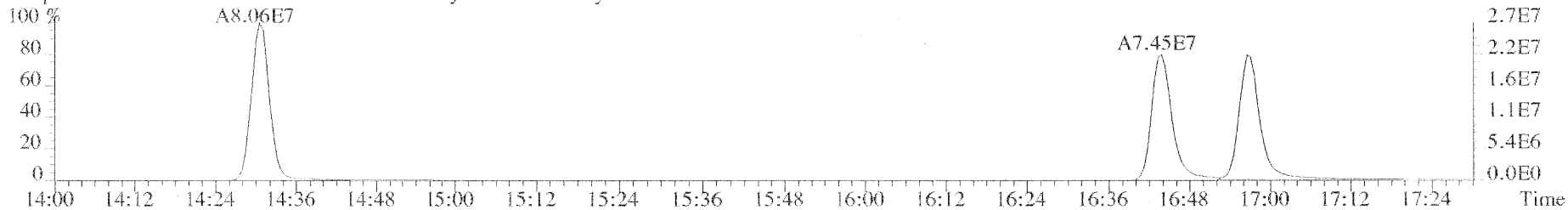
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



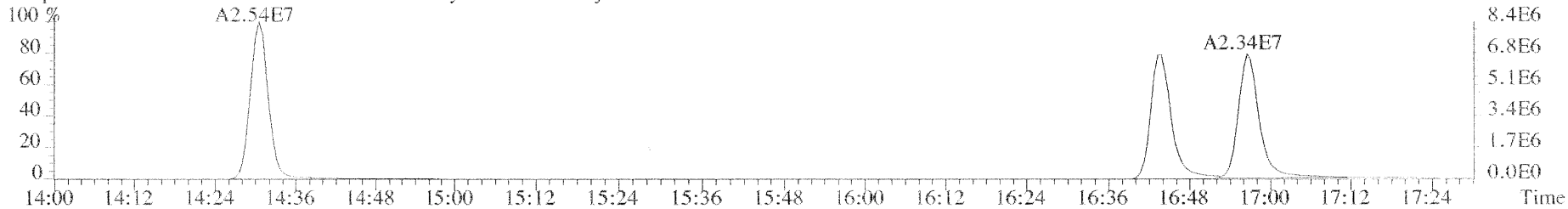
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



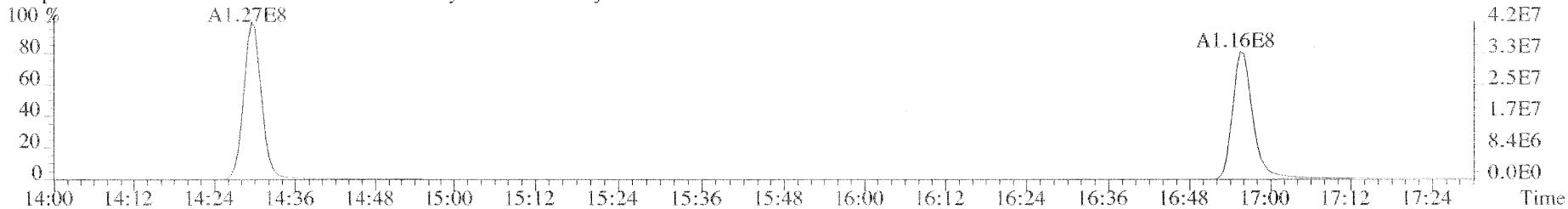
File:03FEB21Z #1-784 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



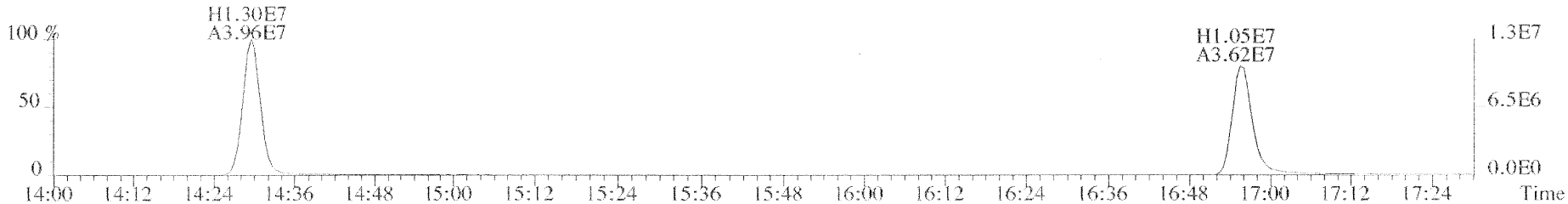
File:03FEB21Z #1-784 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



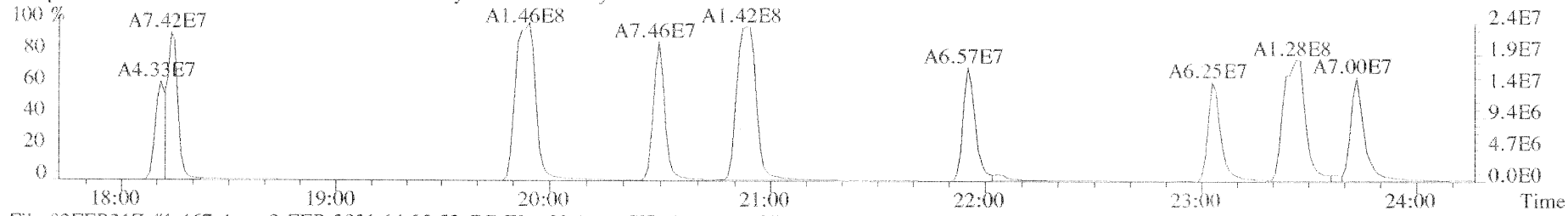
File:03FEB21Z #1-784 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



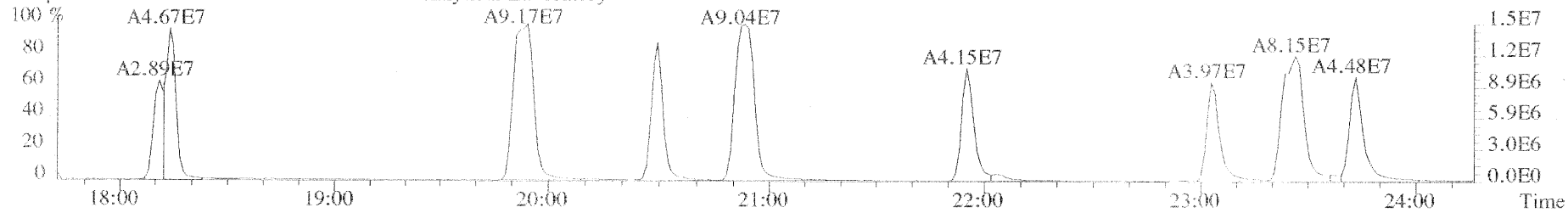
File:03FEB21Z #1-784 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



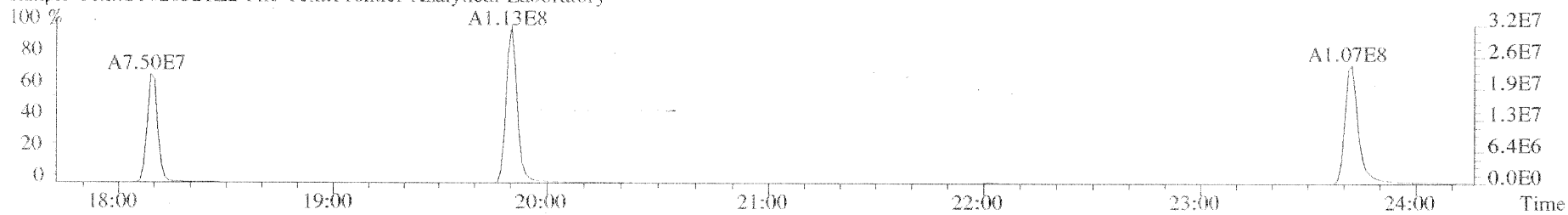
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



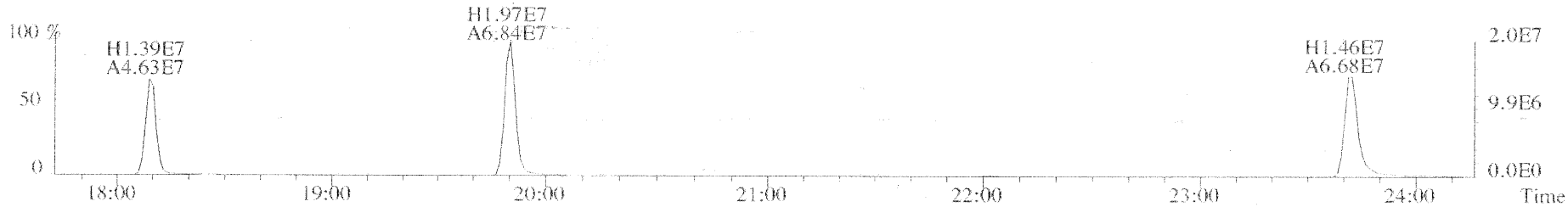
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



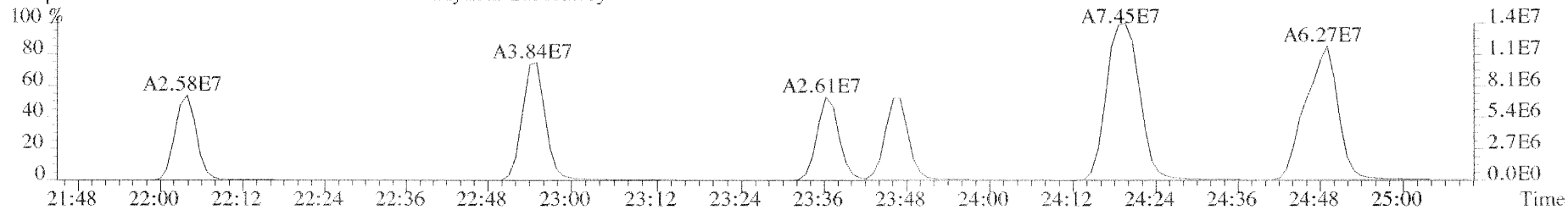
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



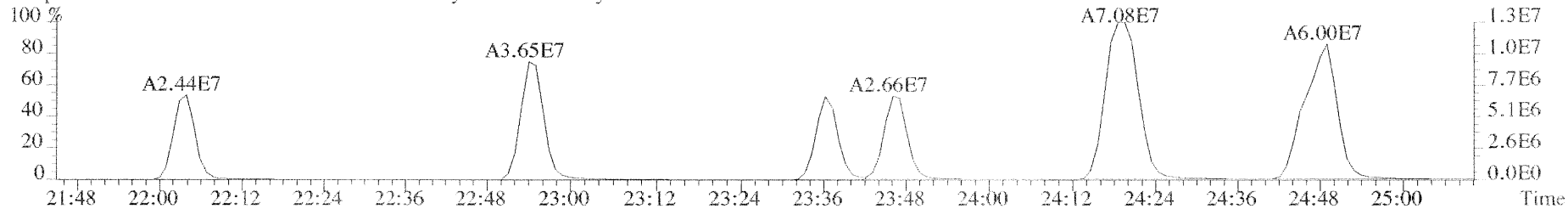
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



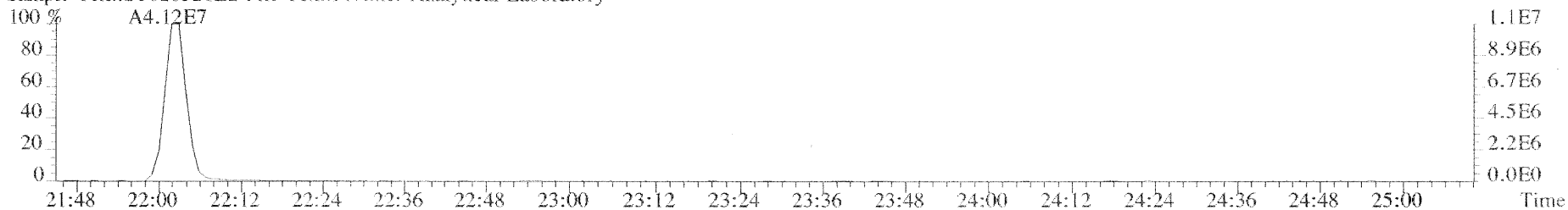
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



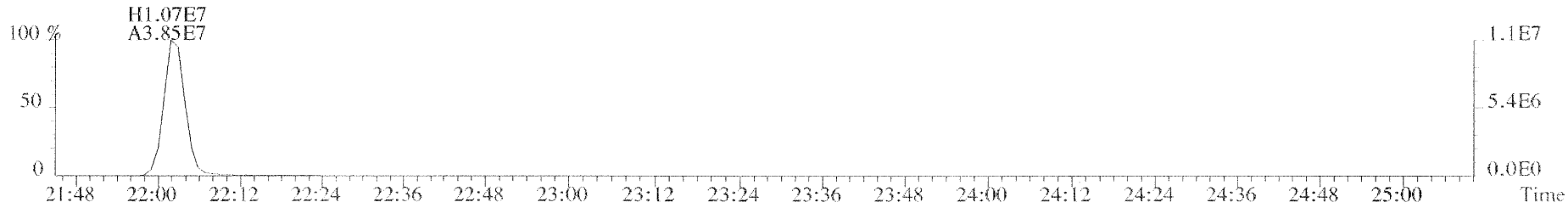
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



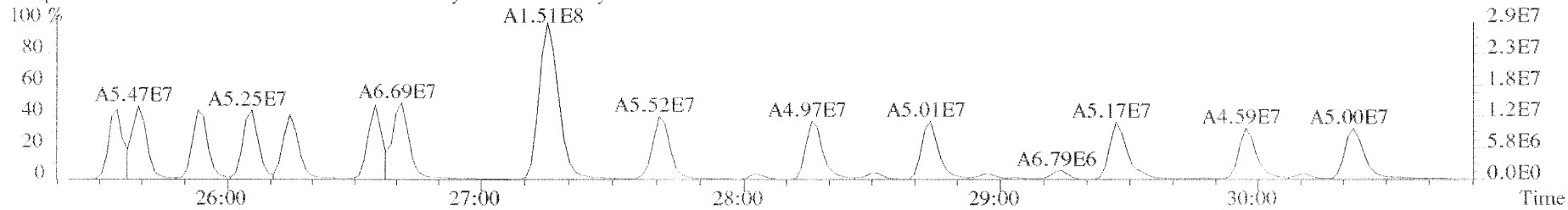
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



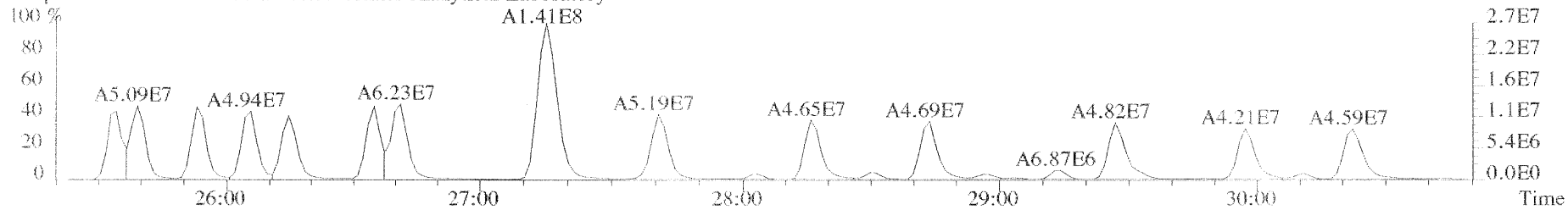
File:03FEB21Z #1-467 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



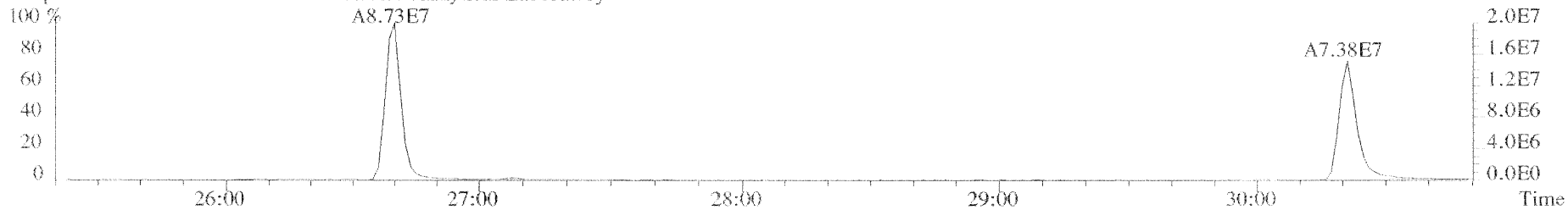
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



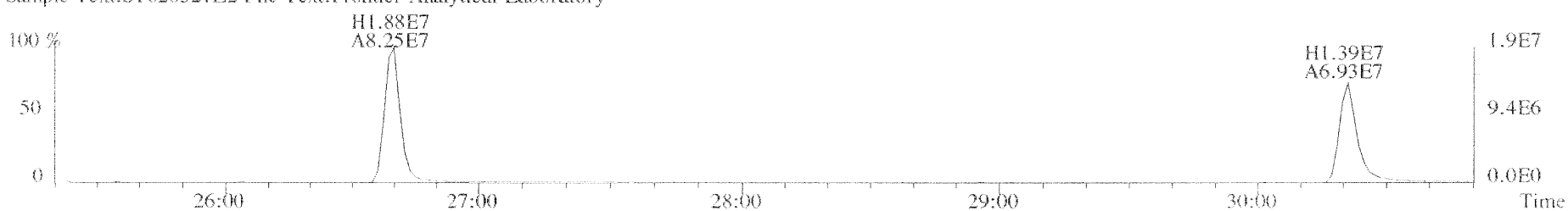
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



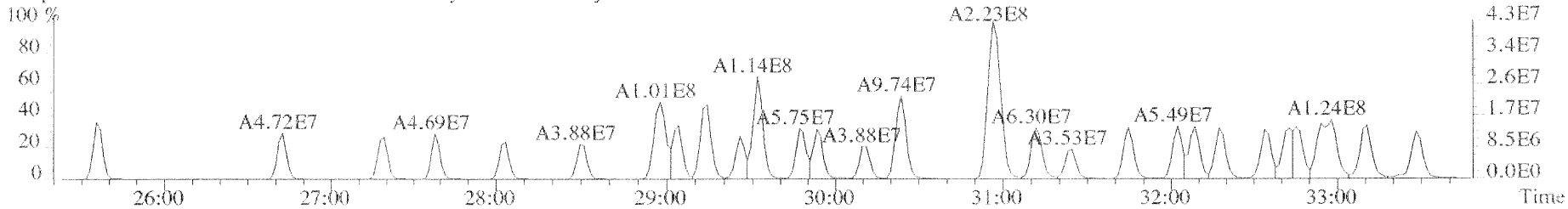
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



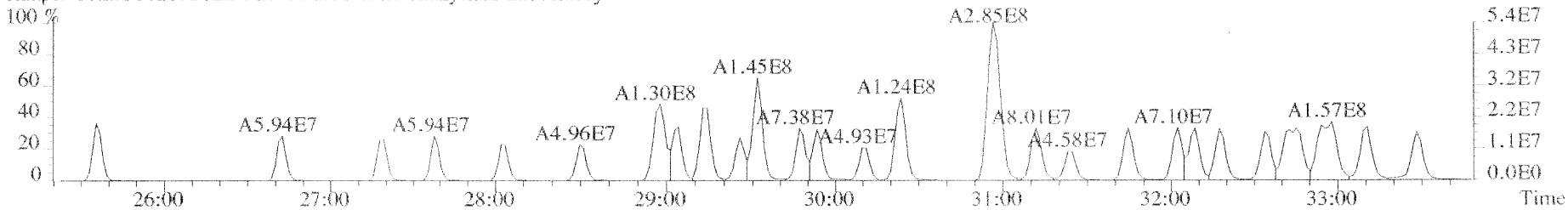
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



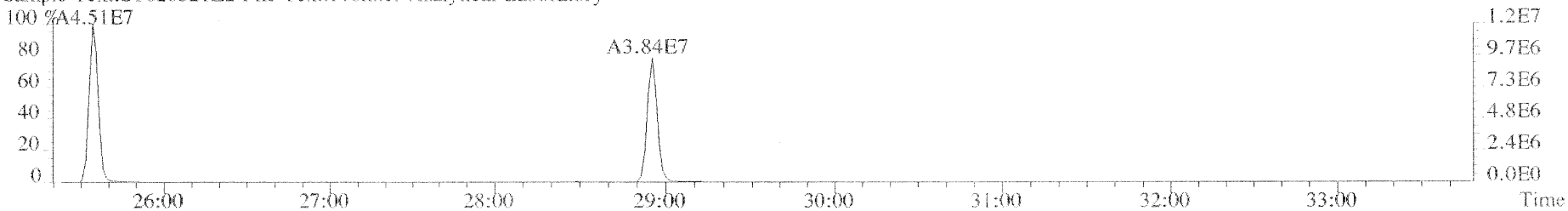
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



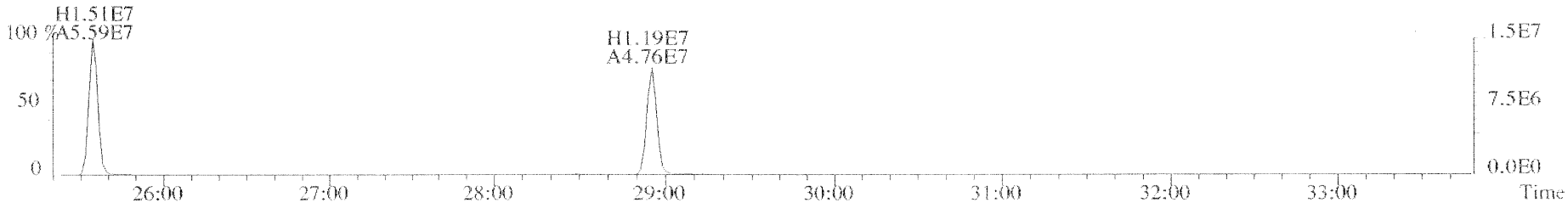
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



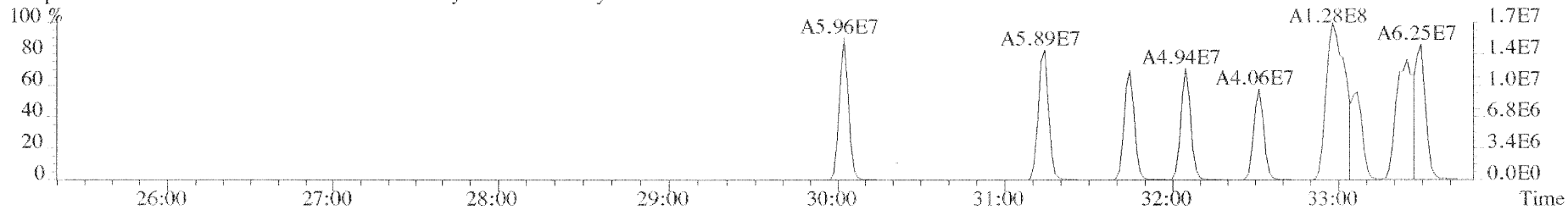
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 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:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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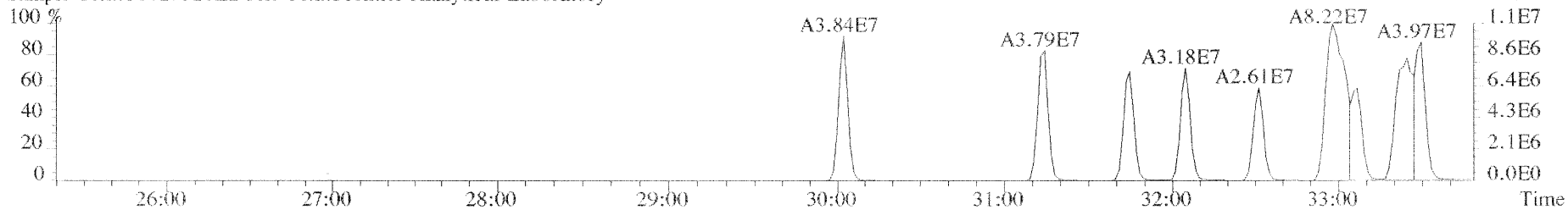
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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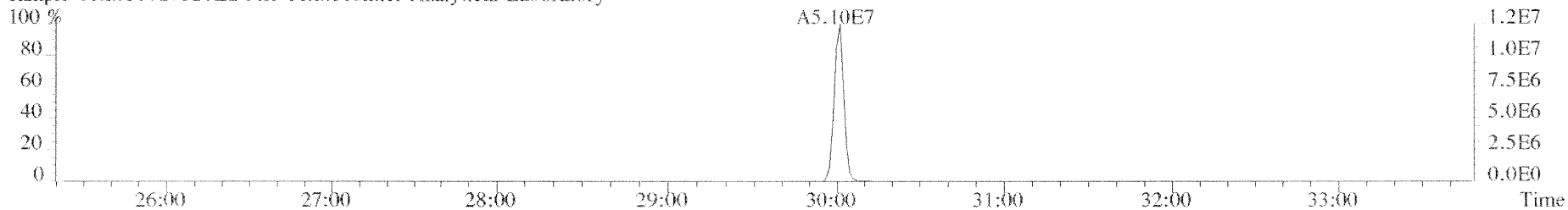
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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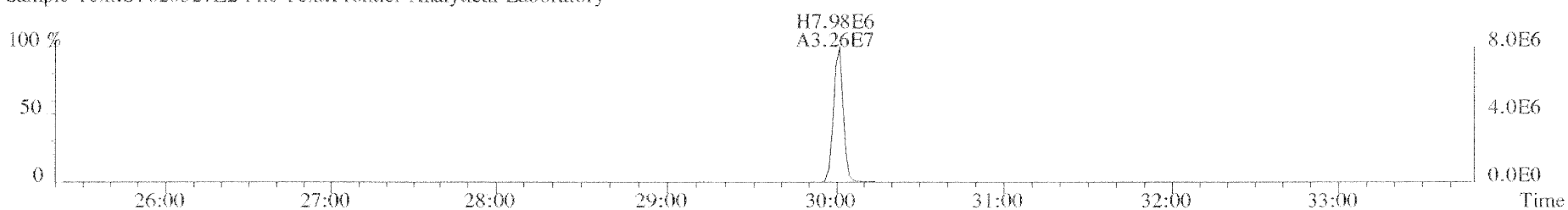
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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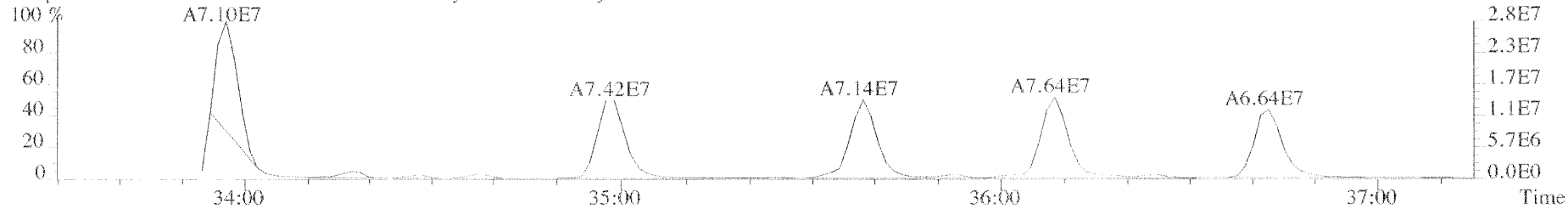
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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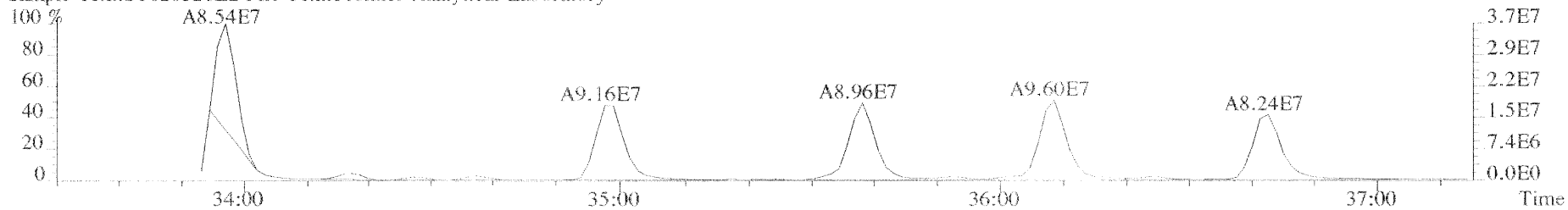
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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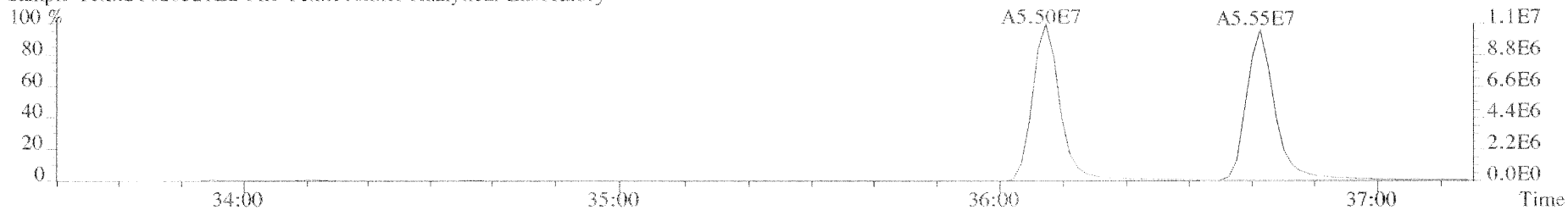
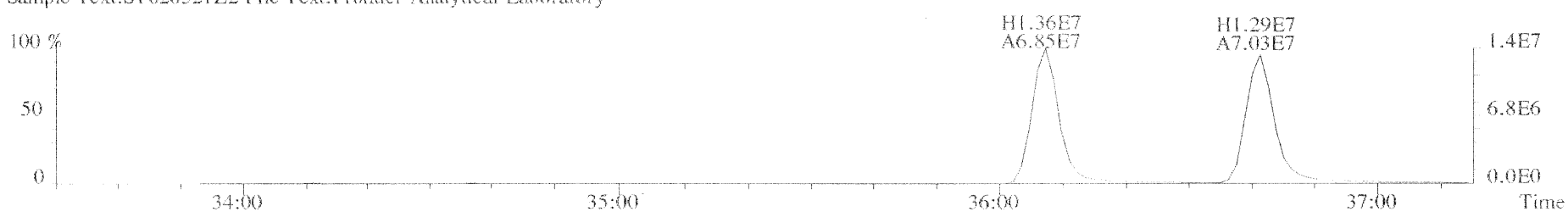
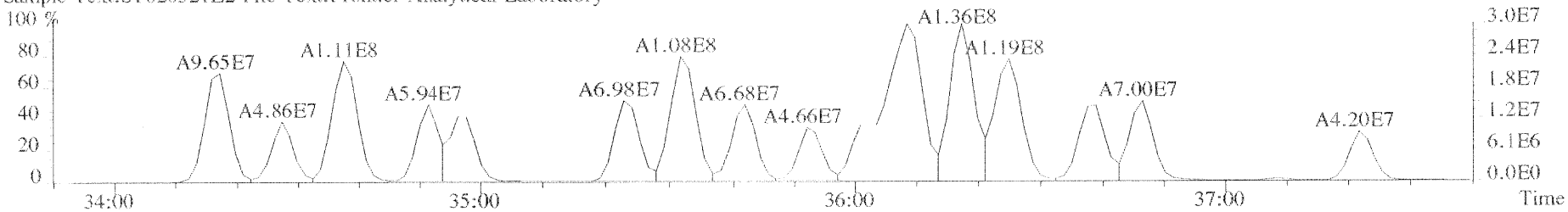
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



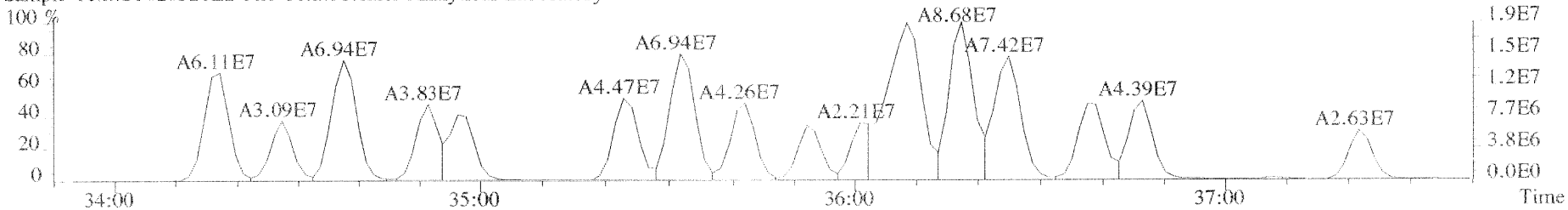
File:03FEB21Z #1-181 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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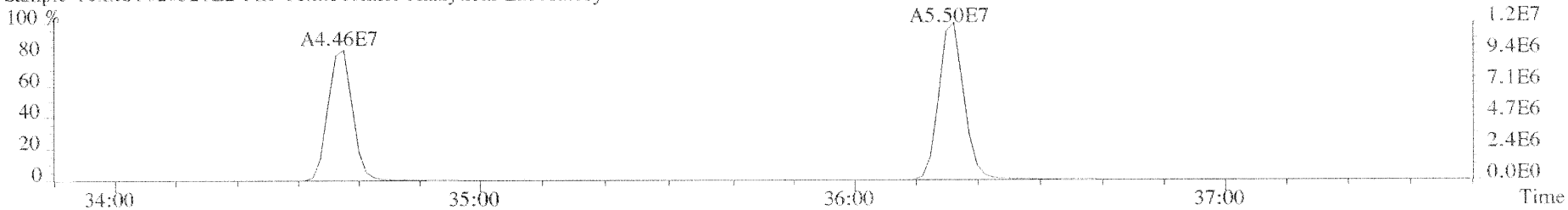
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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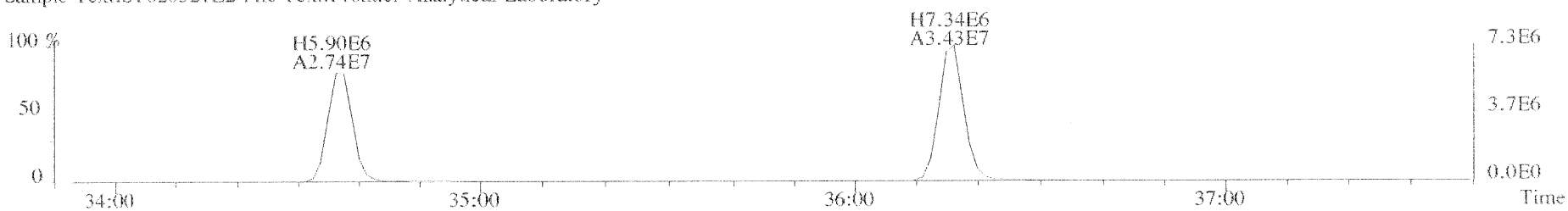
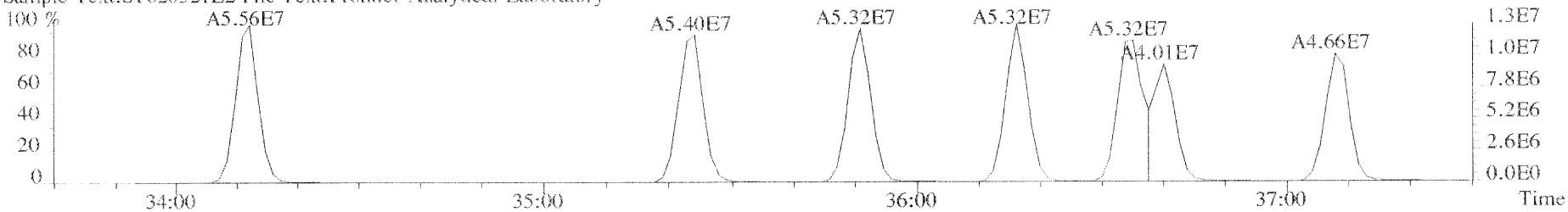
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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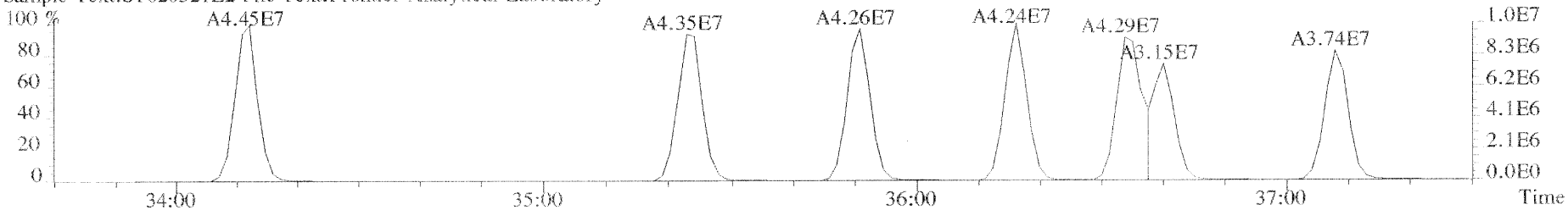
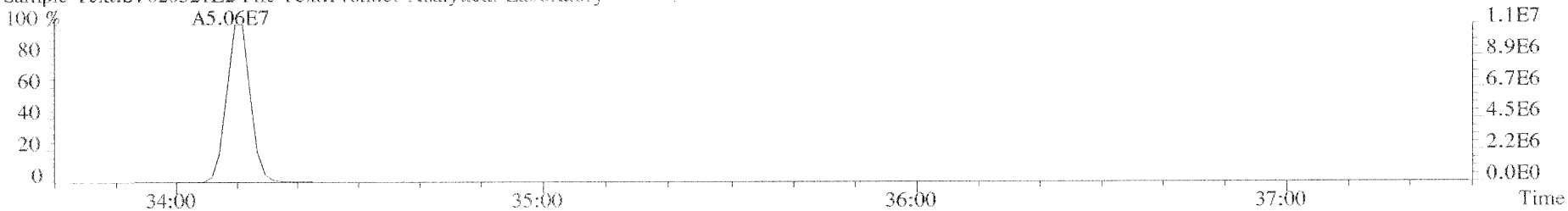
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-181 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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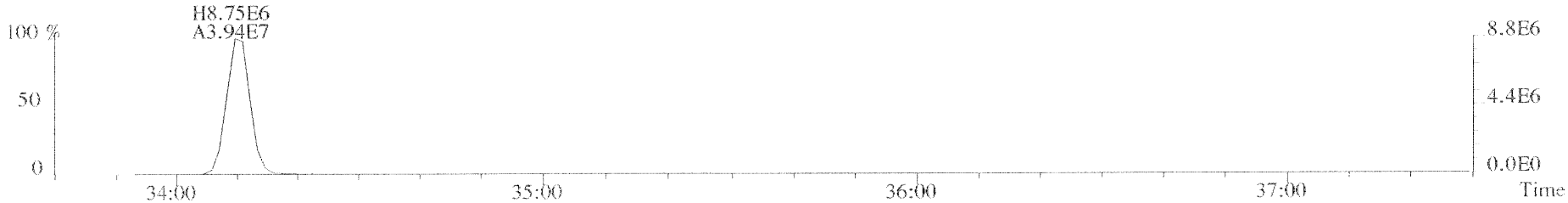
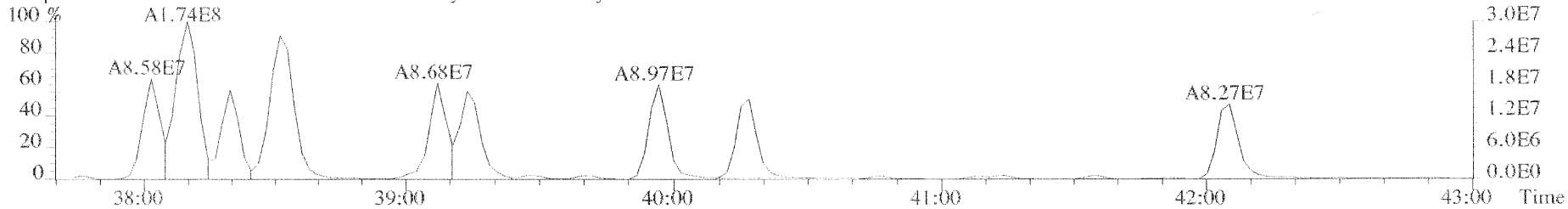
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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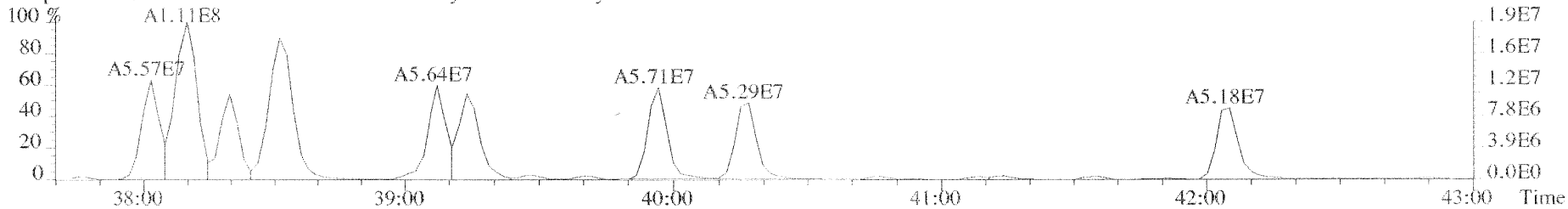
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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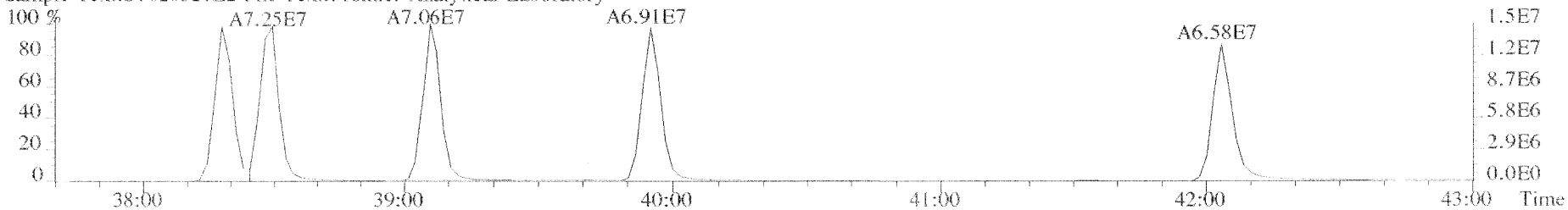
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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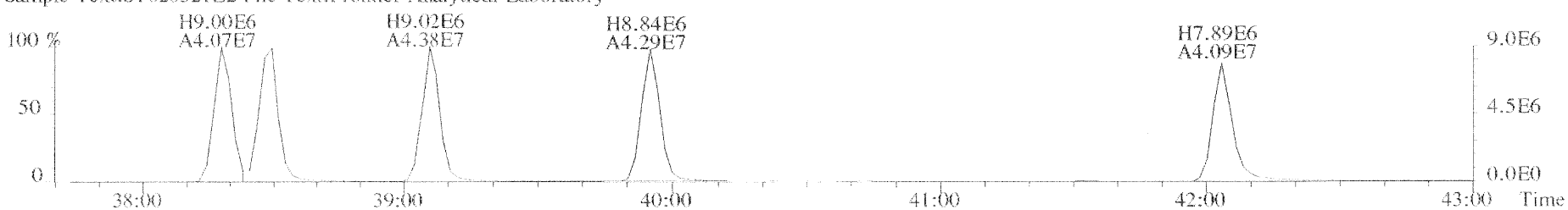
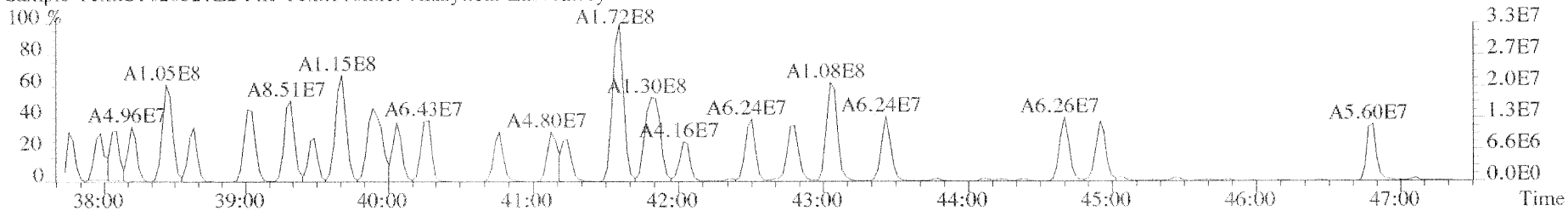
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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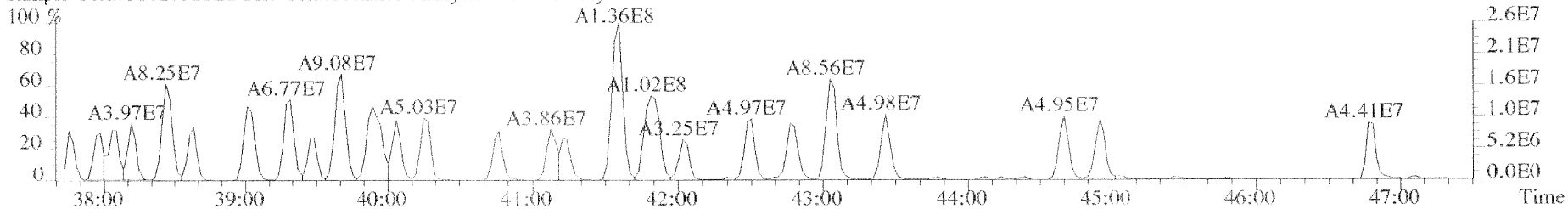
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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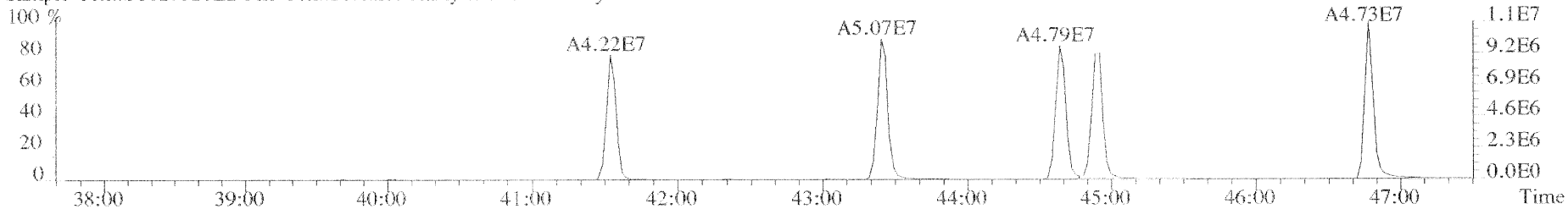
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



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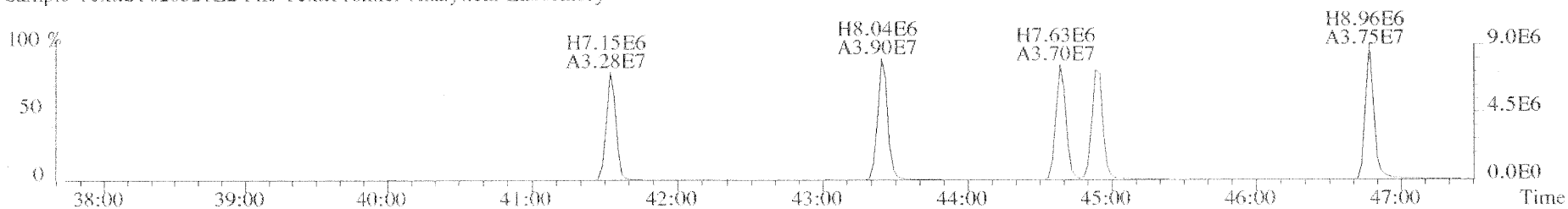
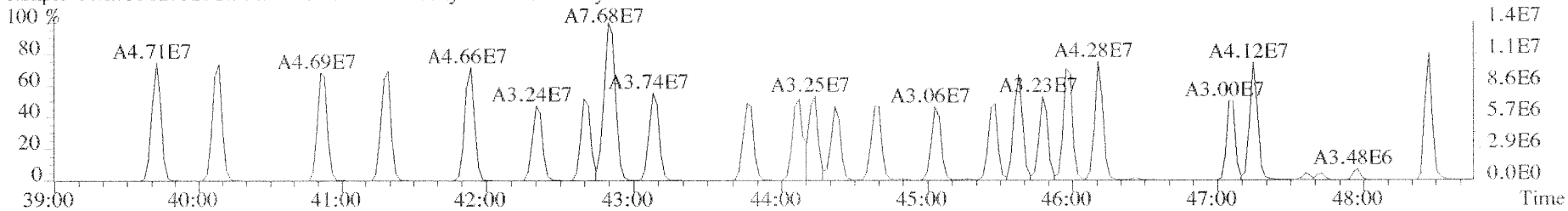
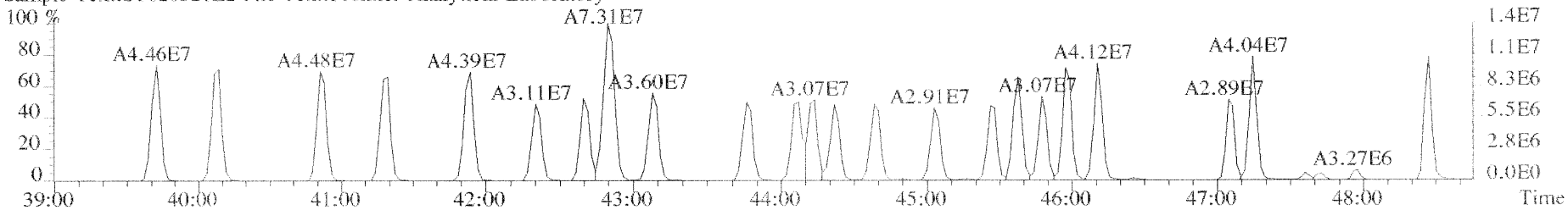
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



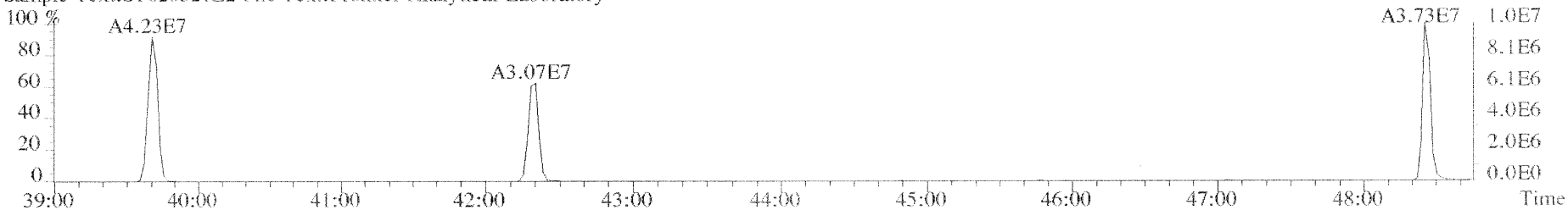
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



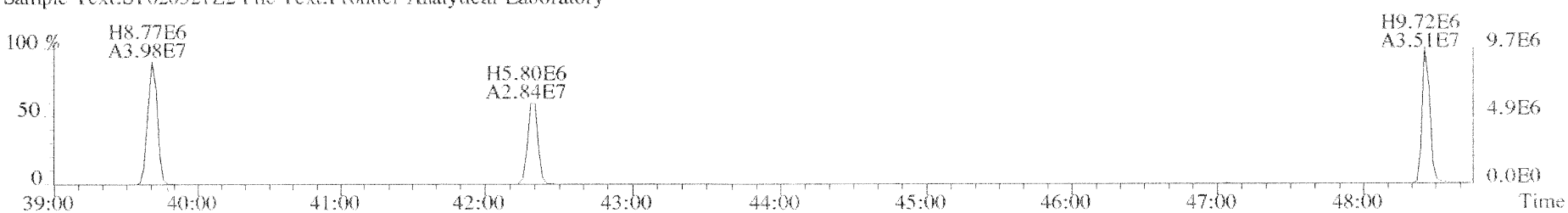
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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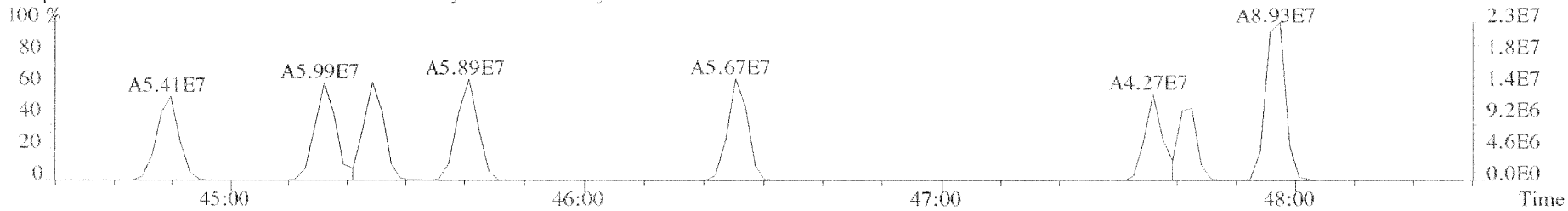
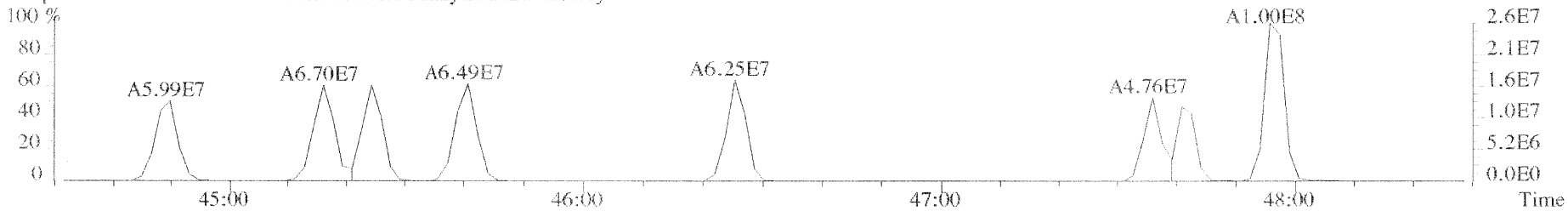
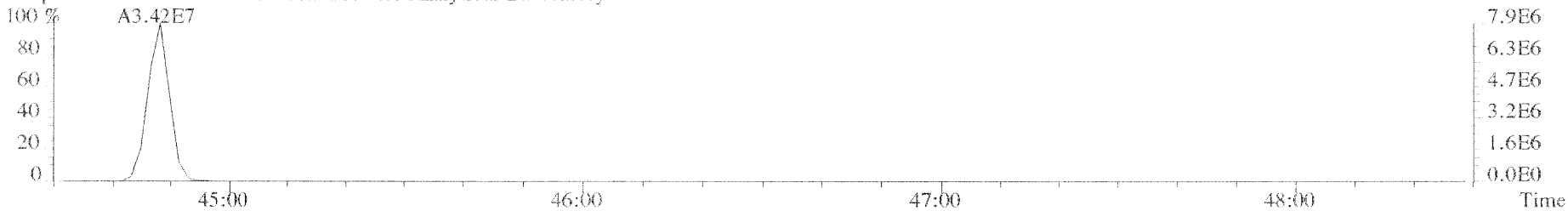
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



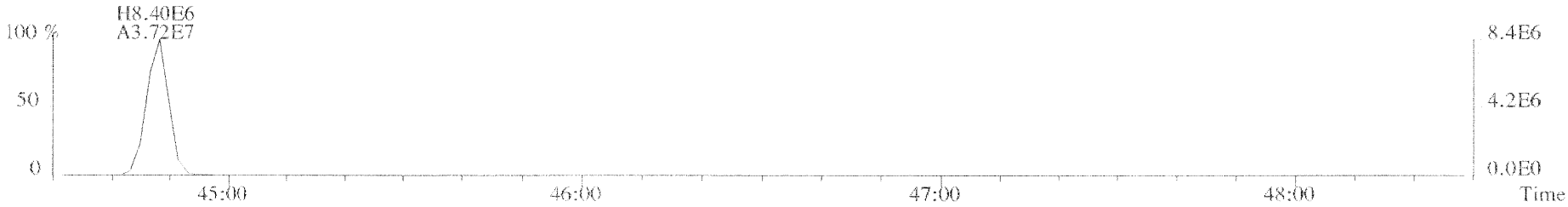
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



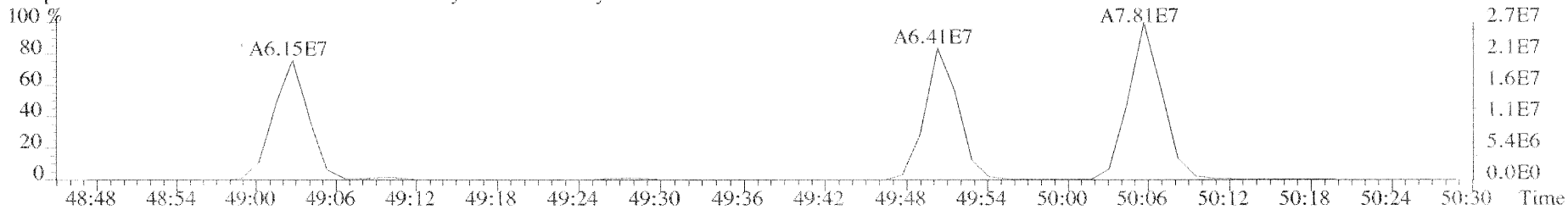
File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-403 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 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:ST020321Z2 File Text:Frontier Analytical Laboratory



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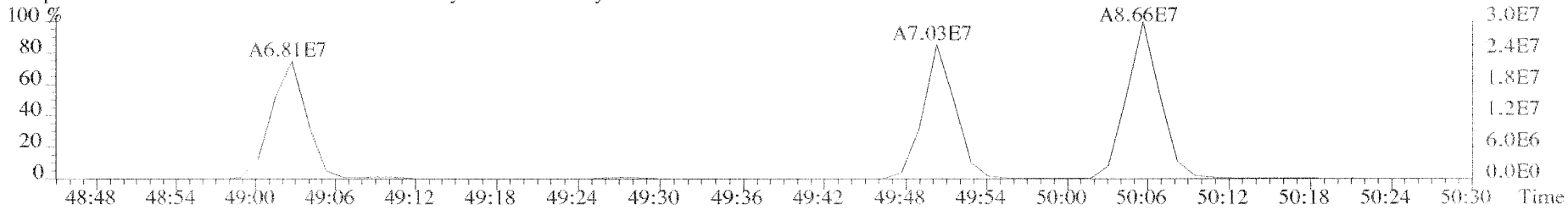
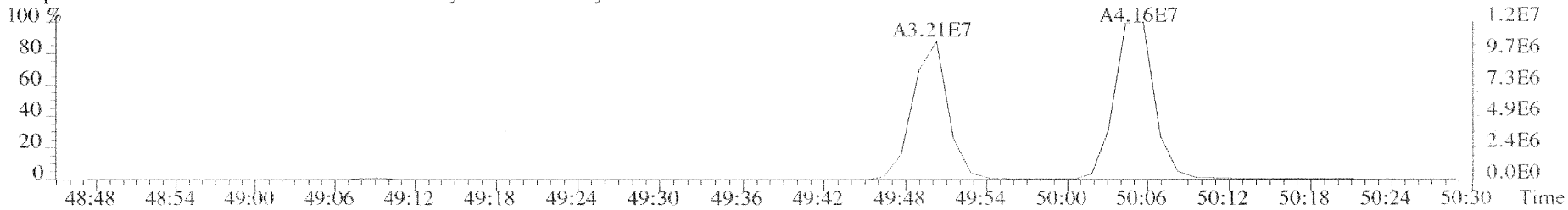
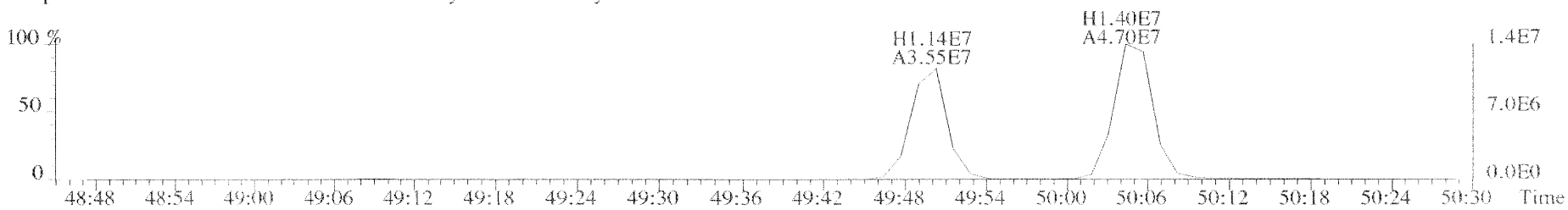
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



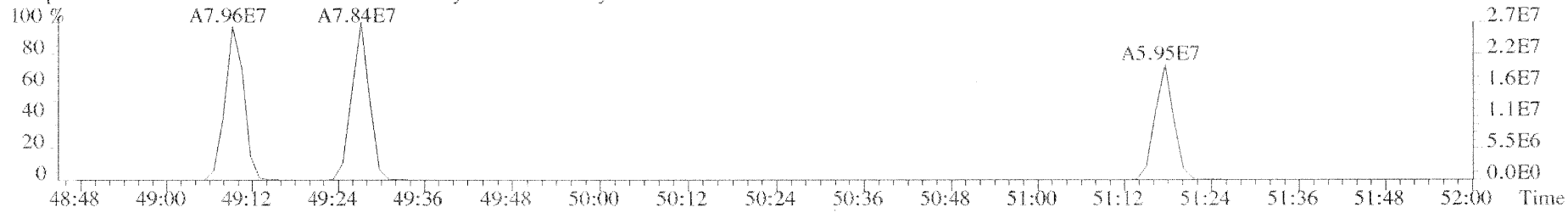
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



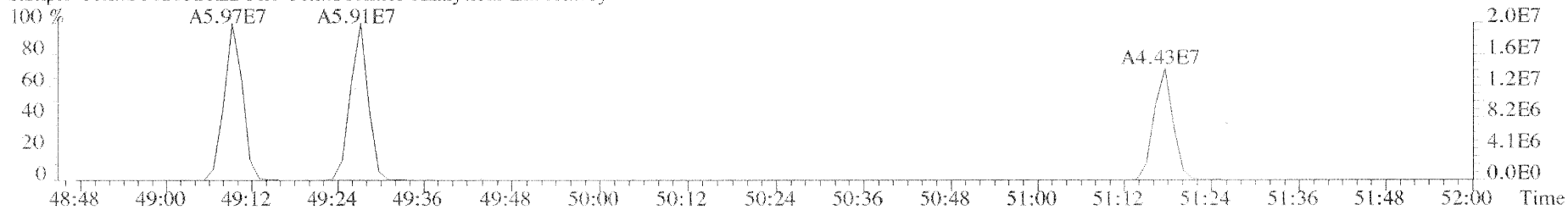
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



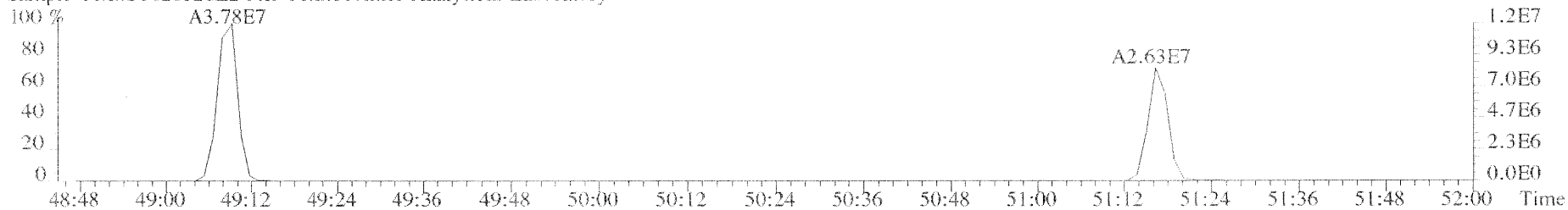
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



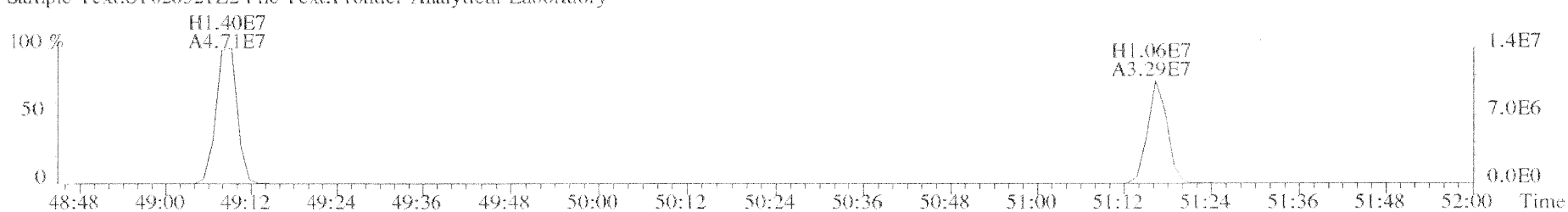
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



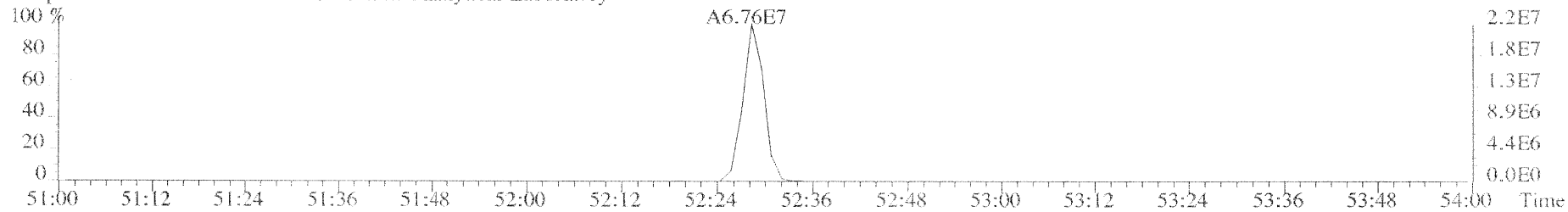
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



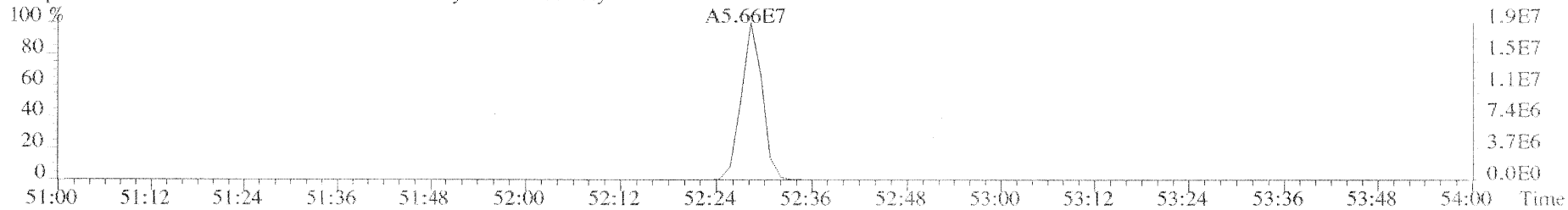
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



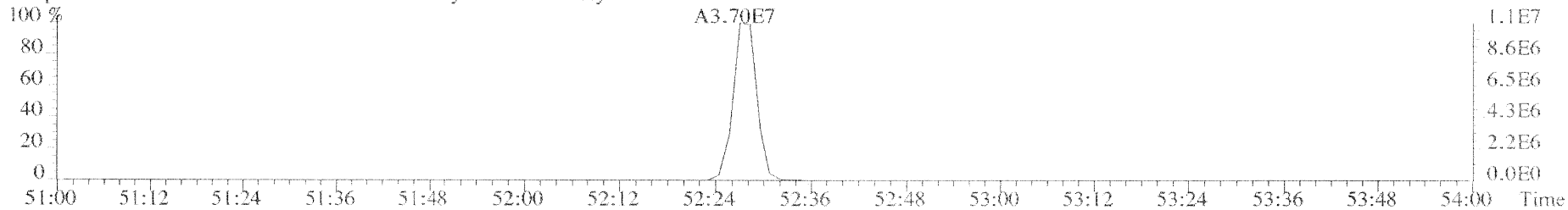
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



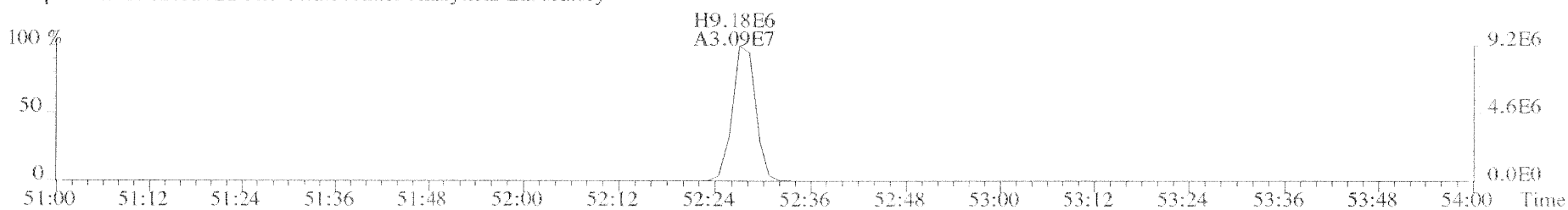
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory



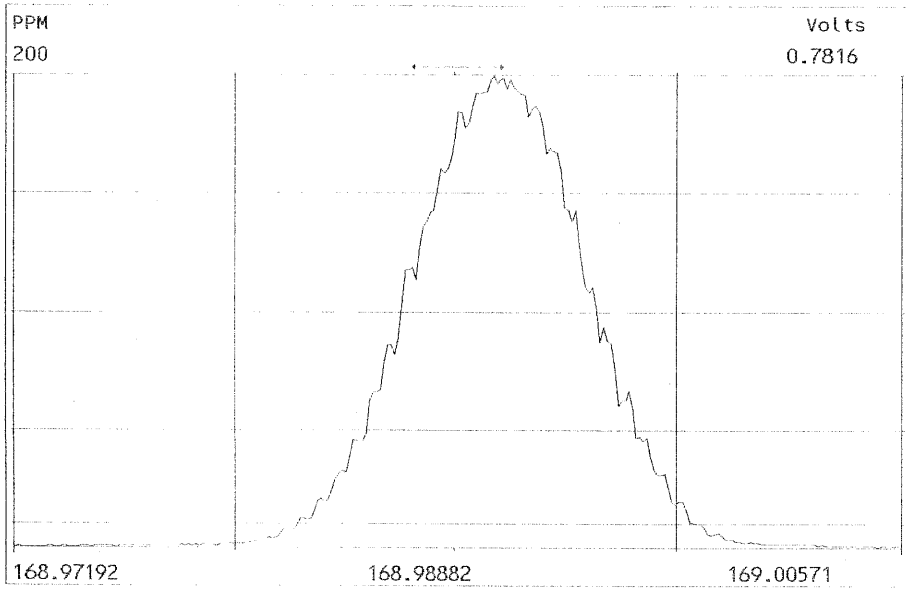
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory

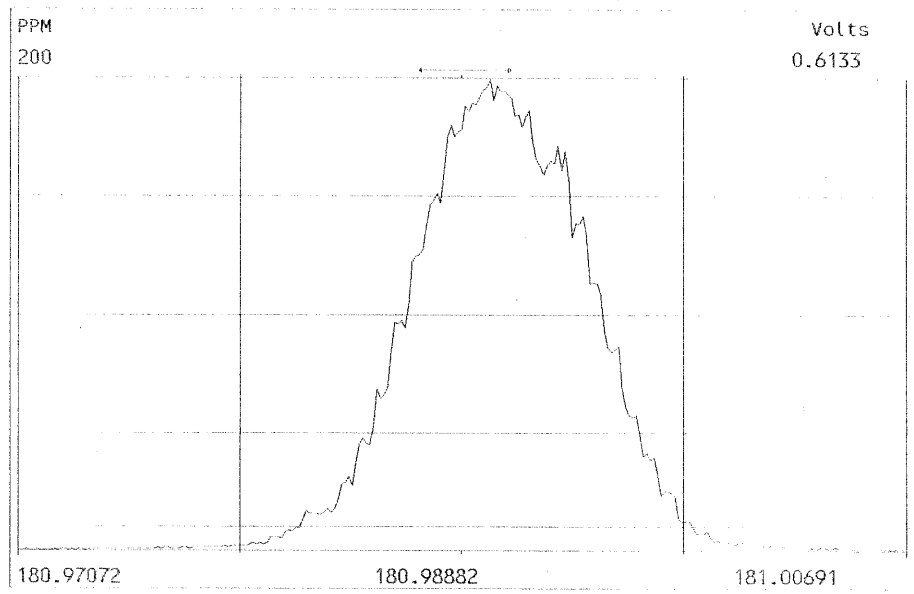


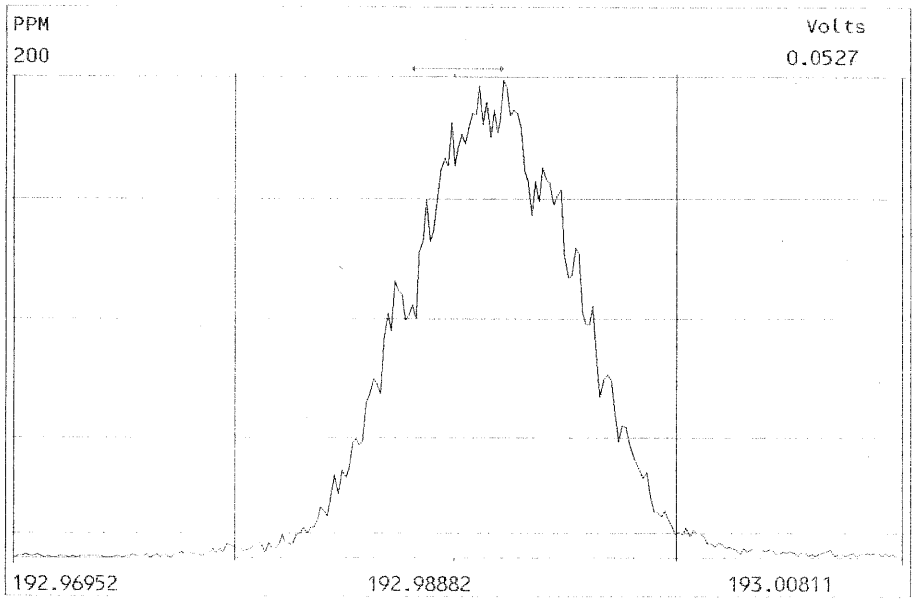
File:03FEB21Z #1-315 Acq: 3-FEB-2021 14:32:52 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST020321Z2 File Text:Frontier Analytical Laboratory

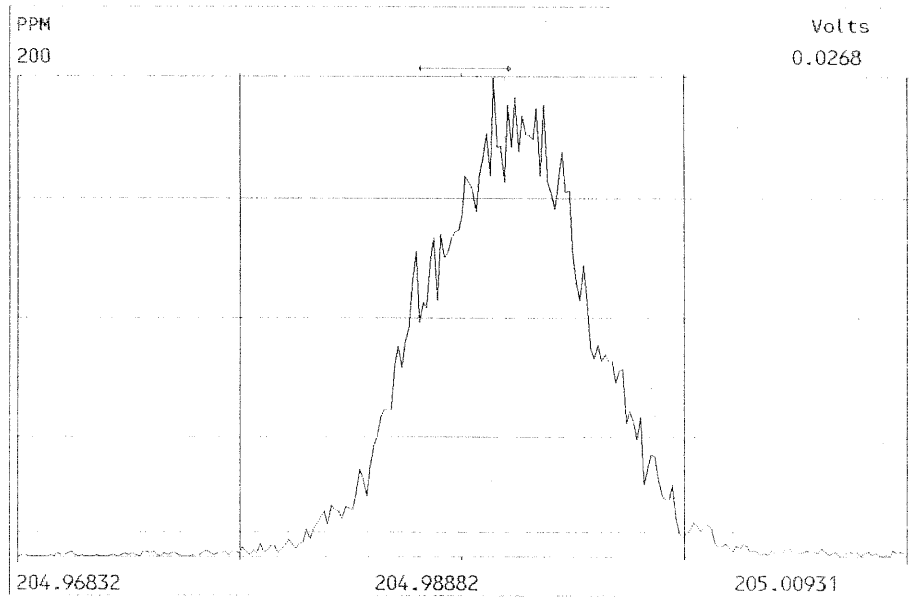


Peak Locate Examination: 3-FEB-2021:16:00 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

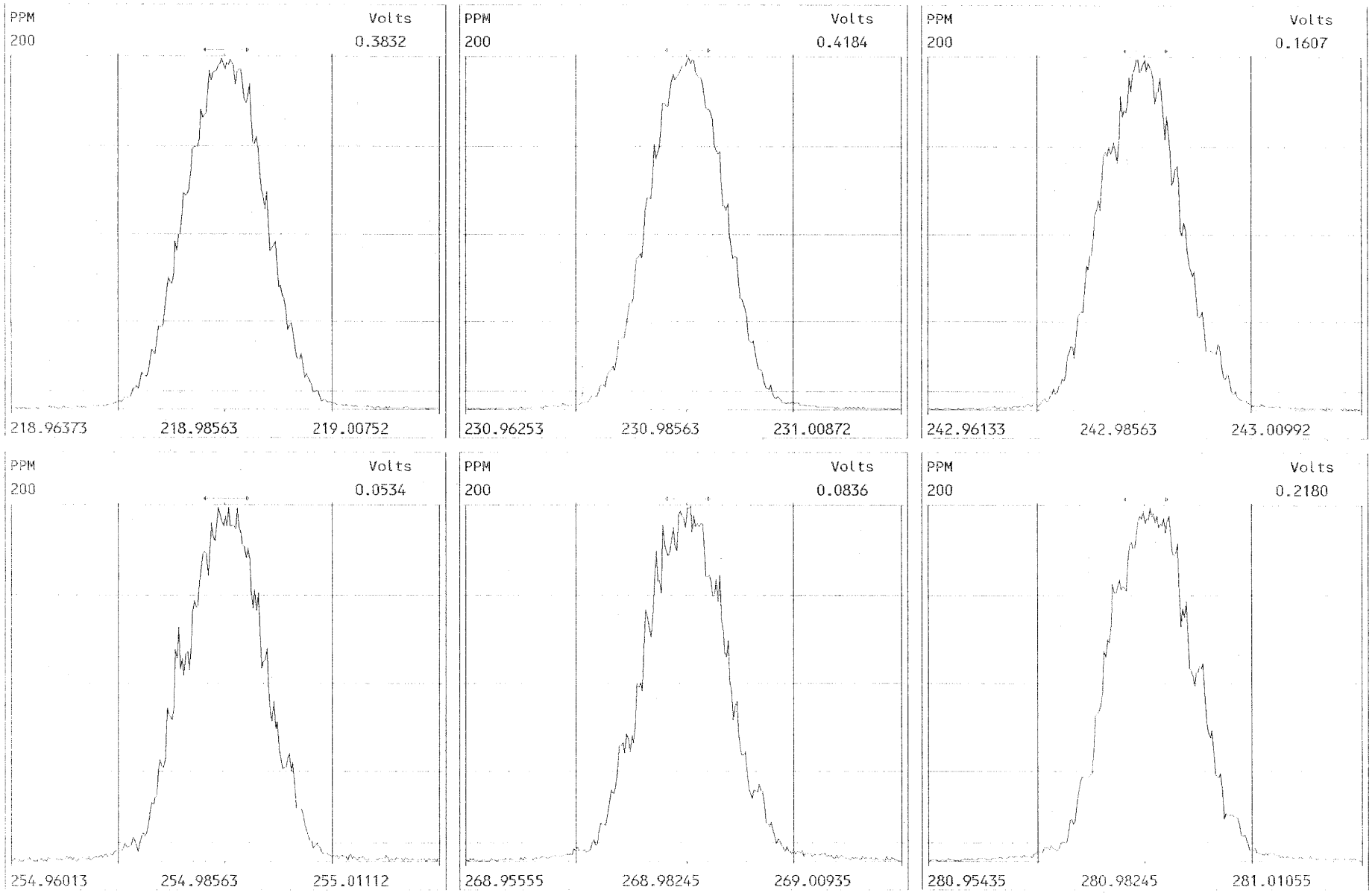




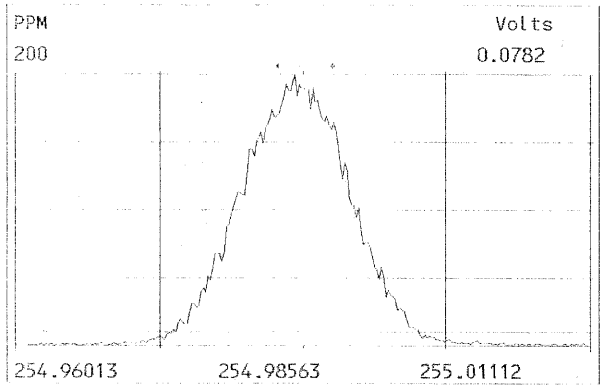


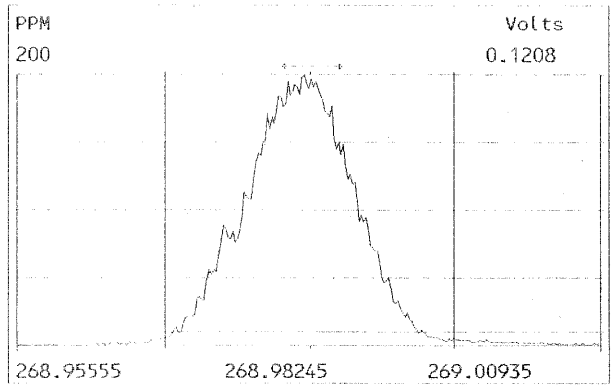


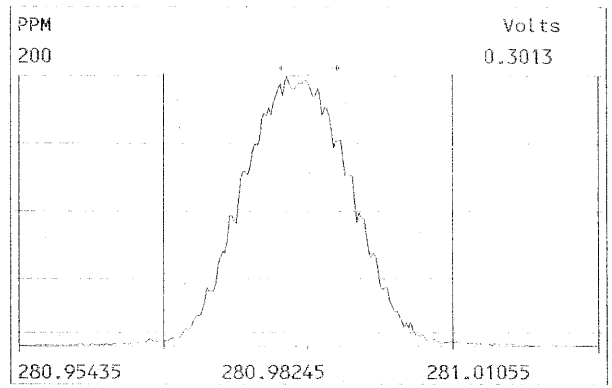
Peak Locate Examination: 3-FEB-2021:16:02 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

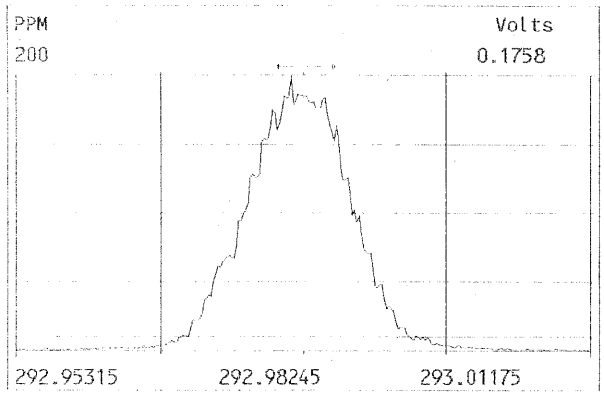


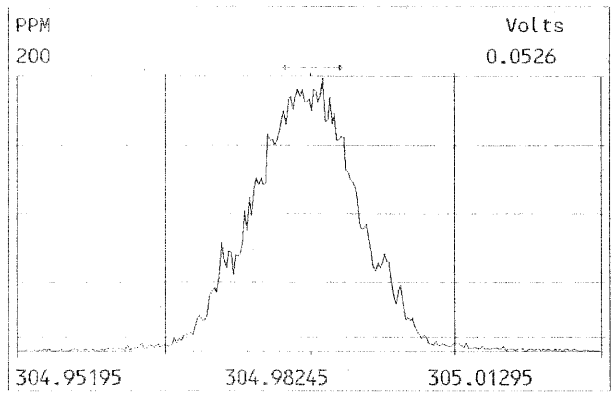
Peak Locate Examination: 3-FEB-2021:16:04 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

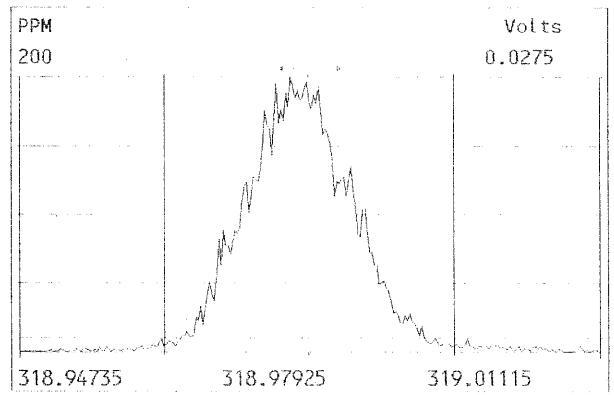


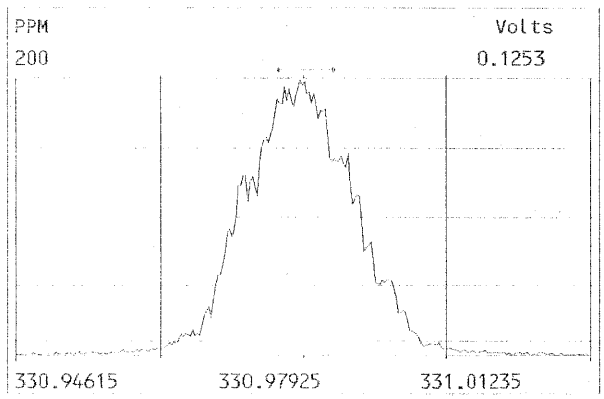


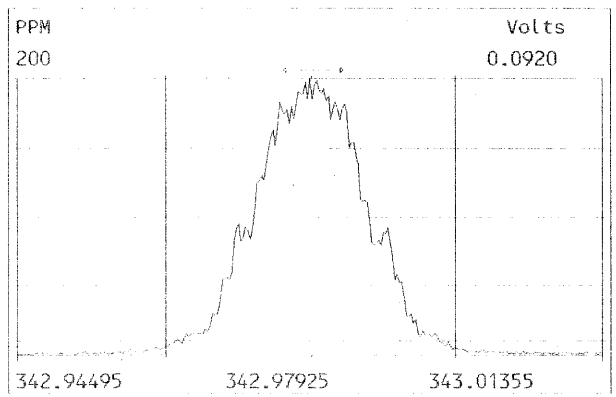




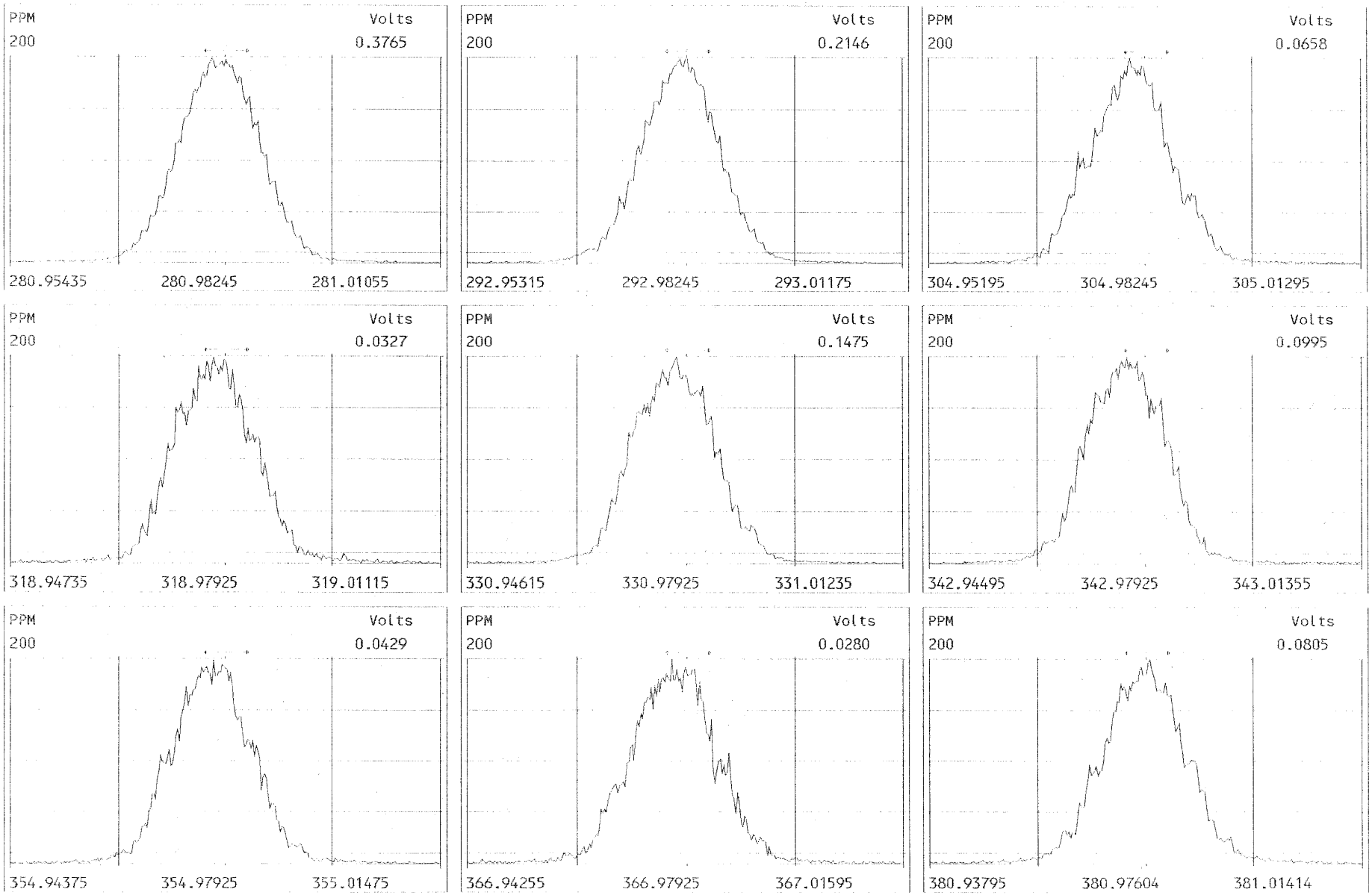






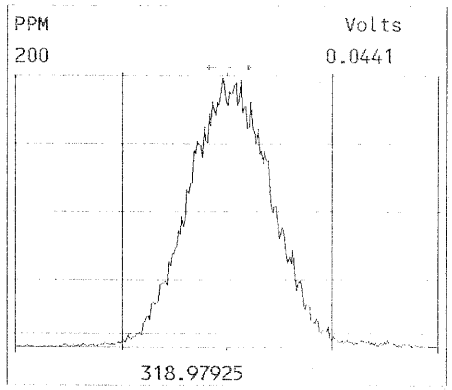


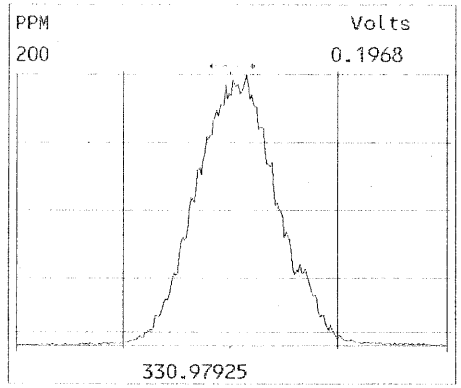
Peak Locate Examination: 3-FEB-2021:16:07 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

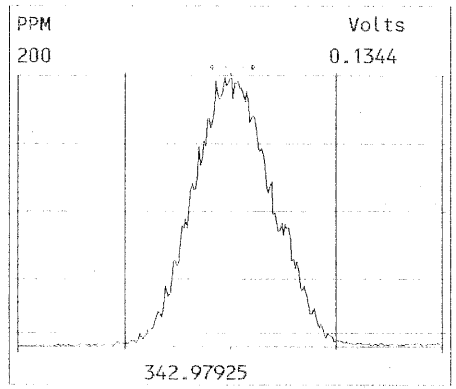


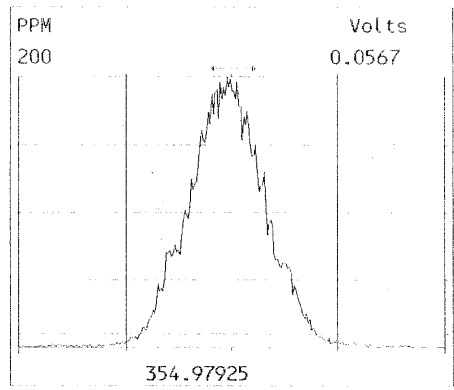
Peak Locate Examination: 3-FEB-2021:16:09 File:03FEB21Z_RES_CHECK

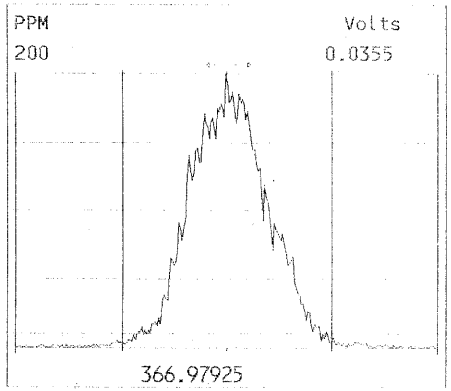
Experiment:1668PCB Function:5 Reference:PFK

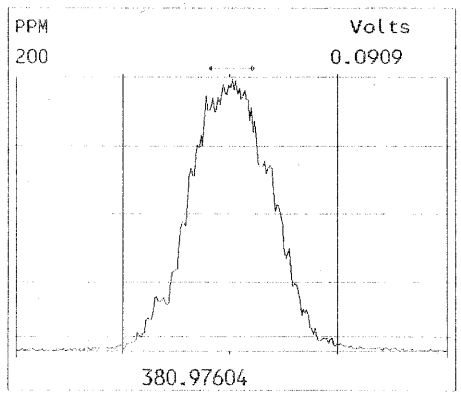


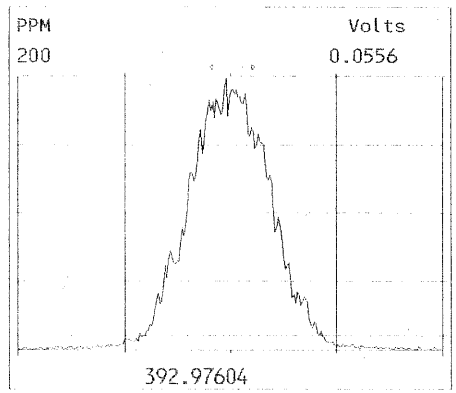


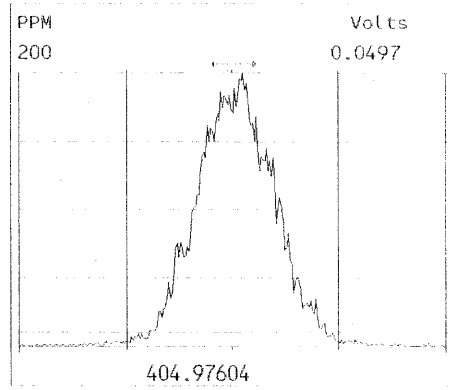


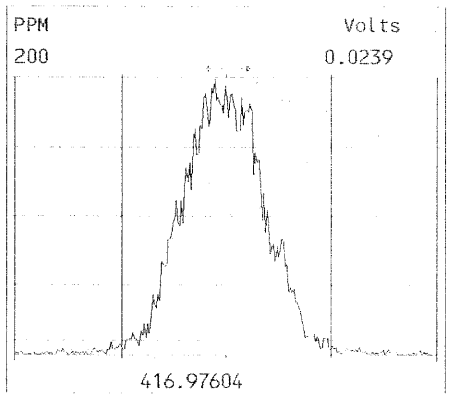


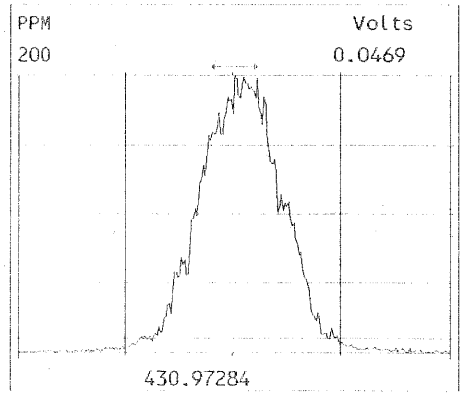


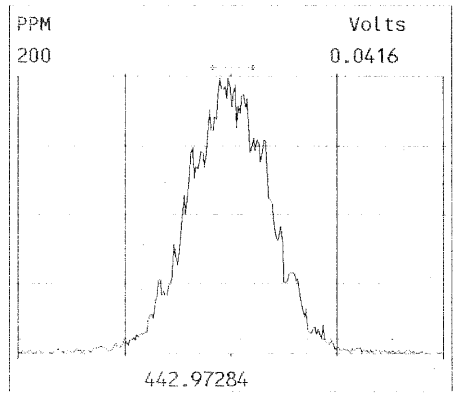
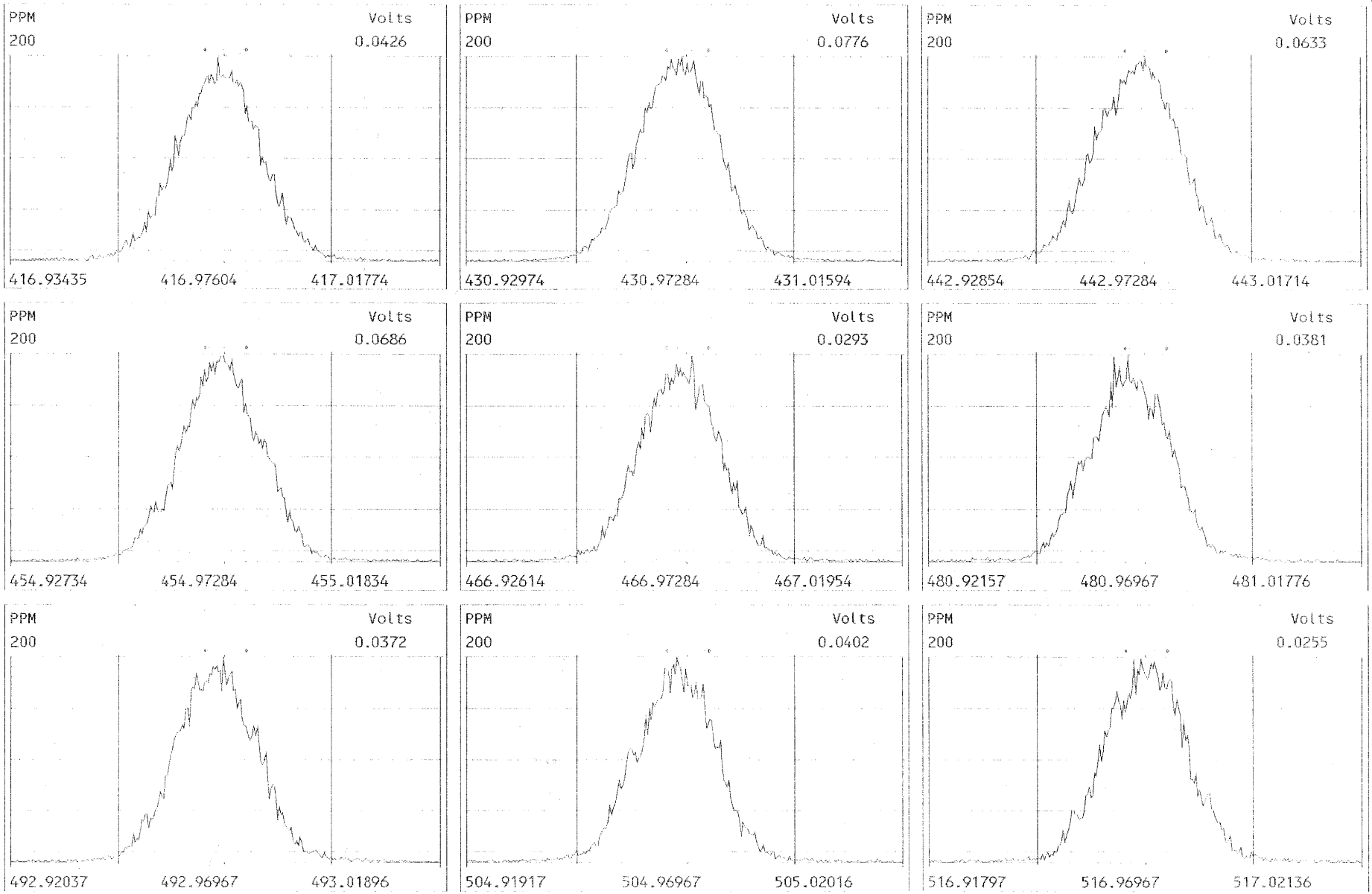












Peak Locate Examination: 3-FEB-2021:16:12 File:03FEB21Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK