November 13, 2020

Gretchen Heavner, Ph.D.
Floyd | Snider
601 Union St. Ste. 600
Seattle, WA 98101

Dear: Dr. Heavner,

The following results are associated with Frontier Analytical Laboratory project **13417**. These results correspond to your **LDW ENR/AC Pilot Study** project. Two sediment samples were received on 10/20/2020 at Frontier Analytical Laboratory. These two sediment samples were extracted and analyzed by EPA Method 1668 for all 209 polychlorinated biphenyls (PCBs). The total PCB concentration is listed in the upper right hand corner of the first data page (Page 1 of 3) of each sample. A turnaround time of fifteen business days was assigned to project **13417**.

The following Level IV report consists of an Analytical Data section, a Sample Receipt section, a Laboratory Raw Data section and an Instrument Raw Data section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, your e-mail dated 10/19/2020, our sample login form and a sample photo. The Laboratory Raw Data section contains our project request sheet, the percent solids sheet, an extraction bench sheet and the cleanup bench sheet. The instrument raw data section contains three sub-sections; the sample results section, the initial calibration section and the continuing/ending calibration section. The sample results sub-section consists of the quantitation summary forms with chromatograms for all samples and QC. The initial calibration sub-section consists of the individual quantitation summary forms and chromatograms for each point of the initial calibration curve as well as an overall quantitation summary form of the initial calibration curve. The continuing/ending calibration sub-section consists of the quantitation summary forms and chromatograms for all daily calibration standards, beginning calibration, and ending calibration injections associated with the samples and QC. The enclosed results and Electronic Data Deliverable (EDD) are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**, our State of California ELAP certificate number is **2934**, and our State of Washington certificate number is **C844**. This report and the associated electronic data deliverable have been emailed to you. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13417**, 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: **13417**

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

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13417-001-SA	0	LY15160310	LDW-Y3-SC-ENR-SS	EPA 1668 PCB	Sediment	08/11/2020	03:15 pm	08/11/2021
13417-002-SA	0	LY15160310	LDW-Y3-SC-ENR+AC-SS	EPA 1668 PCB	Sediment	08/11/2020	02:55 pm	08/11/2021

FAL Sample ID	Notes
13417-001-SA	'Use sampling date from bottle label and spreadsheet, per Gretchen to Kathy.'
13417-002-SA	'Use sampling date from bottle label and spreadsheet, per Gretchen to Kathy.'

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EPA Method 1668
PCBs

FAL ID: 13417-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

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

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

Acquired: 11-10-2020
Total Conc: 0.0

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

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EPA Method 1668
PCBs

FAL ID: 13417-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

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

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

Acquired: 11-10-2020

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

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EPA Method 1668
PCBs

FAL ID: 13417-001-MB
Client ID: Method Blank
Matrix: Sediment
Batch No: X5512

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

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

Acquired: 11-10-2020

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

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

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

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13417-001-OPR
Client ID: OPR
Matrix: Sediment
Batch No: X5512

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

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

Acquired: 11-10-2020

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

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

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FAL ID: 13417-001-SA
Client ID: LDW-Y3-SC-ENR-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.03 g
% Solids: 49.35

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

Acquired: 11-10-2020
Total Conc: 9660

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	3.80	-			PCB-51	10.5	-		
PCB-2	1.07	-	J		PCB-52	274	-	C	69
PCB-3	4.01	-			PCB-53	30.5	-		
PCB-4	17.2	-			PCB-54	0.964	-	J	
PCB-5	ND	0.608			PCB-55	6.58	-		
PCB-6	19.2	-			PCB-56	128	-	C	60
PCB-7	2.89	-			PCB-57	1.69	-	J	
PCB-8	76.1	-			PCB-58	0.970	-	J	
PCB-9	2.92	-			PCB-59	-	-	C042	42
PCB-10	0.973	-	J		PCB-60	-	-	C056	56
PCB-11	5.72	-			PCB-61	291	-	C	70
PCB-12	4.21	-			PCB-62	ND	0.514		
PCB-13	5.10	-			PCB-63	9.54	-		
PCB-14	ND	0.588			PCB-64	-	-	C041	41/71/72
PCB-15	55.2	-			PCB-65	ND	0.530		
PCB-16	39.5	-			PCB-66	248	-	C	76
PCB-17	52.4	-			PCB-67	8.87	-		
PCB-18	107	-			PCB-68	1.27	-	J	
PCB-19	10.1	-			PCB-69	-	-	C052	52
PCB-20	125	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	59.9	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.540			PCB-73	2.94	-		
PCB-24	7.17	-			PCB-74	126	-		
PCB-25	26.2	-			PCB-75	-	-	C048	48
PCB-26	47.4	-			PCB-76	-	-	C066	66
PCB-27	6.52	-			PCB-77	25.1	-		
PCB-28	221	-			PCB-78	ND	0.627		
PCB-29	1.50	-	J		PCB-79	3.72	-		
PCB-30	ND	0.575			PCB-80	ND	0.421		
PCB-31	197	-			PCB-81	6.34	-		
PCB-32	41.6	-			PCB-82	37.9	-		
PCB-33	-	-	C020	20/21	PCB-83	14.1	-	C	112
PCB-34	1.19	-	J		PCB-84	131	-	C	92
PCB-35	4.80	-			PCB-85	49.1	-	C	116
PCB-36	ND	0.575			PCB-86	ND	0.727		
PCB-37	70.4	-			PCB-87	122	-	C	117/125
PCB-38	ND	0.606			PCB-88	64.2	-	C	91
PCB-39	ND	0.587			PCB-89	3.57	-		
PCB-40	29.5	-			PCB-90	345	-	C	101
PCB-41	146	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	67.9	-	C	59	PCB-92	-	-	C084	84
PCB-43	187	-	C	49	PCB-93	ND	0.573		
PCB-44	180	-			PCB-94	2.46	-		
PCB-45	28.4	-			PCB-95	347	-		
PCB-46	11.4	-			PCB-96	2.70	-		
PCB-47	67.9	-			PCB-97	105	-		
PCB-48	37.8	-	C	75	PCB-98	ND	0.574	C	102
PCB-49	-	-	C043	43	PCB-99	147	-		
PCB-50	0.871	-	J		PCB-100	4.05	-		

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EPA Method 1668
PCBs

FAL ID: 13417-001-SA
Client ID: LDW-Y3-SC-ENR-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.03 g
% Solids: 49.35

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	114	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.604		
PCB-103	7.08	-			PCB-153	501	-		
PCB-104	ND	0.393			PCB-154	10.7	-		
PCB-105	135	-			PCB-155	ND	0.552		
PCB-106	326	-	C	118	PCB-156	54.2	-		
PCB-107	25.0	-	C	108	PCB-157	11.5	-		
PCB-108	-	-	C107	107	PCB-158	57.3	-	C	160
PCB-109	ND	0.533			PCB-159	5.92	-		
PCB-110	327	-			PCB-160	-	-	C158	158
PCB-111	5.83	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.575			PCB-163	-	-	C138	138/164
PCB-114	7.72	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1.85	-	J	
PCB-117	-	-	C087	87/125	PCB-167	22.3	-		
PCB-118	-	-	C	106	PCB-168	ND	0.548		
PCB-119	9.95	-			PCB-169	ND	0.536		
PCB-120	0.825	-	J		PCB-170	173	-		
PCB-121	ND	0.458			PCB-171	48.2	-		
PCB-122	4.56	-			PCB-172	28.6	-		
PCB-123	6.76	-			PCB-173	4.65	-		
PCB-124	14.8	-			PCB-174	179	-		
PCB-125	-	-	C087	87/117	PCB-175	8.34	-		
PCB-126	2.41	-			PCB-176	24.5	-		
PCB-127	ND	0.648			PCB-177	99.5	-		
PCB-128	78.5	-	C	162	PCB-178	38.7	-		
PCB-129	21.3	-			PCB-179	73.4	-		
PCB-130	36.5	-			PCB-180	345	-		
PCB-131	15.7	-	C	133	PCB-181	ND	0.465		
PCB-132	126	-	C	161	PCB-182	222	-	C	187
PCB-133	-	-	C131	131	PCB-183	110	-		
PCB-134	27.8	-	C	143	PCB-184	ND	0.340		
PCB-135	61.8	-			PCB-185	20.4	-		
PCB-136	70.6	-			PCB-186	ND	0.369		
PCB-137	19.3	-			PCB-187	-	-	C182	182
PCB-138	528	-	C	163/164	PCB-188	ND	0.424		
PCB-139	409	-	C	149	PCB-189	6.84	-		
PCB-140	3.72	-			PCB-190	34.9	-		
PCB-141	91.0	-			PCB-191	7.86	-		
PCB-142	ND	0.771			PCB-192	ND	0.409		
PCB-143	-	-	C134	134	PCB-193	19.6	-		
PCB-144	24.7	-			PCB-194	84.6	-		
PCB-145	ND	0.594			PCB-195	35.4	-		
PCB-146	72.0	-	C	165	PCB-196	97.2	-	C	203
PCB-147	10.2	-			PCB-197	3.53	-		
PCB-148	ND	0.780			PCB-198	4.24	-		
PCB-149	-	-	C139	139	PCB-199	91.3	-		
PCB-150	2.08	-			PCB-200	10.4	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13417-001-SA
Client ID: LDW-Y3-SC-ENR-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.03 g
% Solids: 49.35

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	13.3	-		
PCB-202	18.1	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.543		
PCB-205	5.77	-		
PCB-206	41.7	-		
PCB-207	5.55	-		
PCB-208	11.7	-		
PCB-209	15.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	76.8	5.00 - 145	
13C-PCB-3	83.4	5.00 - 145	
13C-PCB-4	90.7	5.00 - 145	
13C-PCB-15	113	5.00 - 145	
13C-PCB-19	84.1	5.00 - 145	
13C-PCB-37	111	5.00 - 145	
13C-PCB-54	90.7	5.00 - 145	
13C-PCB-77	133	10.0 - 145	
13C-PCB-81	128	10.0 - 145	
13C-PCB-104	83.0	10.0 - 145	
13C-PCB-105	114	10.0 - 145	
13C-PCB-114	115	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	115	10.0 - 145	
13C-PCB-126	121	10.0 - 145	
13C-PCB-155	91.8	10.0 - 145	
13C-PCB-156	107	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	107	10.0 - 145	
13C-PCB-169	109	10.0 - 145	
13C-PCB-188	83.6	10.0 - 145	
13C-PCB-189	90.3	10.0 - 145	
13C-PCB-202	87.6	10.0 - 145	
13C-PCB-205	101	10.0 - 145	
13C-PCB-206	88.6	10.0 - 145	
13C-PCB-208	90.0	10.0 - 145	
13C-PCB-209	82.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	113	5.00 - 145	
13C-PCB-111	90.6	10.0 - 145	
13C-PCB-178	82.3	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FAL ID: 13417-002-SA
Client ID: LDW-Y3-SC-ENR+AC-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 49.75

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

Acquired: 11-10-2020
Total Conc: 13700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	4.60	-			PCB-51	13.9	-		
PCB-2	1.23	-	J		PCB-52	343	-	C	69
PCB-3	4.05	-			PCB-53	42.5	-		
PCB-4	21.9	-			PCB-54	1.11	-	J	
PCB-5	ND	0.643			PCB-55	8.36	-		
PCB-6	20.5	-			PCB-56	156	-	C	60
PCB-7	4.59	-			PCB-57	2.56	-		
PCB-8	82.4	-			PCB-58	1.36	-	J	
PCB-9	2.76	-			PCB-59	-	-	C042	42
PCB-10	0.812	-	J		PCB-60	-	-	C056	56
PCB-11	7.26	-			PCB-61	349	-	C	70
PCB-12	4.91	-			PCB-62	ND	0.599		
PCB-13	5.81	-			PCB-63	11.7	-		
PCB-14	ND	0.622			PCB-64	-	-	C041	41/71/72
PCB-15	56.6	-			PCB-65	ND	0.617		
PCB-16	37.1	-			PCB-66	292	-	C	76
PCB-17	56.5	-			PCB-67	10.2	-		
PCB-18	123	-			PCB-68	2.34	-		
PCB-19	14.1	-			PCB-69	-	-	C052	52
PCB-20	116	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	59.8	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.569			PCB-73	3.21	-		
PCB-24	7.02	-			PCB-74	143	-		
PCB-25	25.7	-			PCB-75	-	-	C048	48
PCB-26	42.7	-			PCB-76	-	-	C066	66
PCB-27	6.15	-			PCB-77	33.4	-		
PCB-28	171	-			PCB-78	ND	0.453		
PCB-29	1.62	-	J		PCB-79	5.76	-		
PCB-30	ND	0.671			PCB-80	ND	0.491		
PCB-31	189	-			PCB-81	9.64	-		
PCB-32	46.7	-			PCB-82	55.1	-		
PCB-33	-	-	C020	20/21	PCB-83	21.5	-	C	112
PCB-34	0.931	-	J		PCB-84	189	-	C	92
PCB-35	5.21	-			PCB-85	68.5	-	C	116
PCB-36	ND	0.606			PCB-86	2.04	-		
PCB-37	79.4	-			PCB-87	169	-	C	117/125
PCB-38	2.77	-			PCB-88	89.2	-	C	91
PCB-39	ND	0.618			PCB-89	5.75	-		
PCB-40	35.6	-			PCB-90	500	-	C	101
PCB-41	201	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	86.9	-	C	59	PCB-92	-	-	C084	84
PCB-43	241	-	C	49	PCB-93	ND	0.695		
PCB-44	213	-			PCB-94	3.91	-		
PCB-45	40.3	-			PCB-95	515	-		
PCB-46	16.9	-			PCB-96	3.88	-		
PCB-47	95.8	-			PCB-97	144	-		
PCB-48	41.1	-	C	75	PCB-98	ND	0.696	C	102
PCB-49	-	-	C043	43	PCB-99	203	-		
PCB-50	1.20	-	J		PCB-100	5.91	-		

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EPA Method 1668
PCBs

FAL ID: 13417-002-SA
Client ID: LDW-Y3-SC-ENR+AC-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 49.75

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	195	-		
PCB-102	-	-	C098	98	PCB-152	ND	0.612		
PCB-103	10.5	-			PCB-153	774	-		
PCB-104	ND	0.477			PCB-154	17.3	-		
PCB-105	180	-			PCB-155	ND	0.560		
PCB-106	433	-	C	118	PCB-156	77.9	-		
PCB-107	30.4	-	C	108	PCB-157	15.3	-		
PCB-108	-	-	C107	107	PCB-158	81.0	-	C	160
PCB-109	ND	0.690			PCB-159	8.04	-		
PCB-110	450	-			PCB-160	-	-	C158	158
PCB-111	8.30	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.745			PCB-163	-	-	C138	138/164
PCB-114	10.6	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.19	-		
PCB-117	-	-	C087	87/125	PCB-167	30.6	-		
PCB-118	-	-	C	106	PCB-168	ND	0.625		
PCB-119	14.2	-			PCB-169	ND	0.639		
PCB-120	2.38	-			PCB-170	281	-		
PCB-121	ND	0.555			PCB-171	78.4	-		
PCB-122	5.50	-			PCB-172	47.5	-		
PCB-123	8.60	-			PCB-173	6.83	-		
PCB-124	20.2	-			PCB-174	278	-		
PCB-125	-	-	C087	87/117	PCB-175	12.4	-		
PCB-126	2.95	-			PCB-176	38.2	-		
PCB-127	ND	0.686			PCB-177	162	-		
PCB-128	107	-	C	162	PCB-178	54.0	-		
PCB-129	30.2	-			PCB-179	106	-		
PCB-130	51.7	-			PCB-180	555	-		
PCB-131	22.4	-	C	133	PCB-181	ND	0.836		
PCB-132	198	-	C	161	PCB-182	357	-	C	187
PCB-133	-	-	C131	131	PCB-183	174	-		
PCB-134	41.7	-	C	143	PCB-184	ND	0.612		
PCB-135	102	-			PCB-185	32.0	-		
PCB-136	124	-			PCB-186	ND	0.663		
PCB-137	25.9	-			PCB-187	-	-	C182	182
PCB-138	787	-	C	163/164	PCB-188	ND	0.839		
PCB-139	655	-	C	149	PCB-189	10.8	-		
PCB-140	4.95	-			PCB-190	52.5	-		
PCB-141	146	-			PCB-191	11.2	-		
PCB-142	ND	0.880			PCB-192	ND	0.735		
PCB-143	-	-	C134	134	PCB-193	31.0	-		
PCB-144	38.9	-			PCB-194	133	-		
PCB-145	ND	0.603			PCB-195	55.9	-		
PCB-146	107	-	C	165	PCB-196	170	-	C	203
PCB-147	14.4	-			PCB-197	6.82	-		
PCB-148	ND	0.791			PCB-198	9.09	-		
PCB-149	-	-	C139	139	PCB-199	181	-		
PCB-150	2.60	-			PCB-200	18.6	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13417-002-SA
Client ID: LDW-Y3-SC-ENR+AC-SS
Matrix: Sediment
Batch No: X5512

Date Extracted: 11-05-2020
Date Received: 10-20-2020
Amount: 10.02 g
% Solids: 49.75

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

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	20.8	-		
PCB-202	36.8	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.887		
PCB-205	7.17	-		
PCB-206	197	-		
PCB-207	21.4	-		
PCB-208	71.4	-		
PCB-209	86.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	81.5	5.00 - 145	
13C-PCB-3	85.3	5.00 - 145	
13C-PCB-4	96.1	5.00 - 145	
13C-PCB-15	115	5.00 - 145	
13C-PCB-19	84.2	5.00 - 145	
13C-PCB-37	115	5.00 - 145	
13C-PCB-54	88.4	5.00 - 145	
13C-PCB-77	123	10.0 - 145	
13C-PCB-81	117	10.0 - 145	
13C-PCB-104	82.2	10.0 - 145	
13C-PCB-105	114	10.0 - 145	
13C-PCB-114	115	10.0 - 145	
13C-PCB-118	116	10.0 - 145	
13C-PCB-123	119	10.0 - 145	
13C-PCB-126	123	10.0 - 145	
13C-PCB-155	91.4	10.0 - 145	
13C-PCB-156	105	10.0 - 145	
13C-PCB-157	107	10.0 - 145	
13C-PCB-167	104	10.0 - 145	
13C-PCB-169	108	10.0 - 145	
13C-PCB-188	77.0	10.0 - 145	
13C-PCB-189	91.8	10.0 - 145	
13C-PCB-202	76.4	10.0 - 145	
13C-PCB-205	101	10.0 - 145	
13C-PCB-206	100	10.0 - 145	
13C-PCB-208	103	10.0 - 145	
13C-PCB-209	86.2	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	92.2	10.0 - 145	
13C-PCB-178	80.8	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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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.: 13417

Temperature: 0 °C

Chain of Custody

www.frontieranalytical.com

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

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

REPORT INFORMATION

Report Level: ☐ I/II ☐ III ✓ IV

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

☐ California State Drinking Water Form

System #: Source #:

Sampler: Employer:

REPORT DISTRIBUTION (email only is preferred)

☐ Hardcopy

☐ CD (.pdf including EDDs if requested)

✓ Email (.pdf including EDDs if requested)

ADDITIONAL INSTRUCTIONS

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

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

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

	Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
1	LDW-Y3-SC-ENR-SS	10/11/20	1515	sediment	1								✓			8/11/2020
2	LDW-Y3-SC-ENR+AC-SS	10/11/20	1455	sediment	1								✓			8/11/2020
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14	Fed Ex 7718 3668 5890															
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
M. R Ce Michelle Knowlen	10/19/20	1200	Kelly Zeo K. Zipo	10/20/2020	1000

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

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

Kathy Zipp

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

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

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

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

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

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Sample Login Form

FAL Project ID: **13417**

Client:	Floyd | Snider
Client Project ID:	LY15160310
Date Received:	10/20/2020
Time Received:	10:00 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	2
Duplicates:	0
Storage Location:	R-4

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

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PROJECT REQUEST SHEET

Project #:	13417	Sample #:	1 - 2	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	08/11/2021
Matrix:	Sediment	Extraction Batch:	5512	Due Date:	11/11/2020
Method:	EPA 1668 PCB			Storage:	R-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13417

Extract/s located in box: Jake & Tom

Standards: 13417

Instrument:

DB5MS	
007-225	
DB1MS	FAL-4
Other	

L4 a FSI EDD

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Percent Solids

FAL Project: 13417

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)
13417-001-0001-SA	RR	10-28-20	0645	11.49g	5.67g	49.35%	20.26g	118.3°C	115.3°C	10-29-20	0750	0.81g
13417-002-0001-SA	↓	↓	↓	9.91g	4.93g	49.75%	20.10g	↓	↓	↓	↓	0.80g

% Solids Summary:

Non-Filtered Determination

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

Filtered Determination

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

% Solids calculation

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

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

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EXTRACTION SHEET

Project #: 13417 Extraction Date: 2020-11-05 Extraction Chemist: RR

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R201021A Vial: 2 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 201028A Vial: 1 Chemist/Witness/Date
13416 05512-001-0001-MB					
05512-001-0001-OPR					
13417-001-0001-SA	20.32g	10.03g	RR KC 11-5-20	NA	RR KC 11-6-20
13417-002-0001-SA	20.14g	10.02g	↓ ↓ ↓	↓	↓ ↓ ↓

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

Comments:

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13417

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 PCB·MSG	Cleanup 2 NA	Cleanup 3 NA	RS Amt: 10.0uL ID: 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
13466 05512-001-0001-MB				
05512-001-0001-OPR				
13417-001-0001-SA	RR 11·6·20	NA	NA	RR KC 11·6·20
13417-002-0001-SA	↓	↓	↓	↓ ↓ ↓

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

Comments:

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

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

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

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

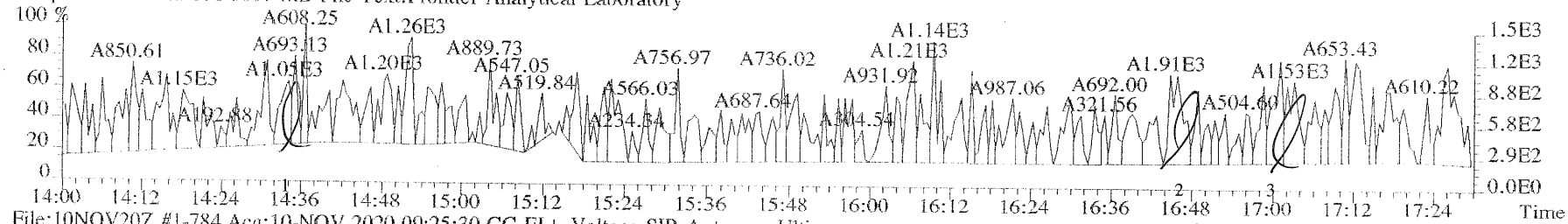
PCB-127	*	*	n	NotFnd	1.10	*	548	588	0.600				
PCB-126	*	*	n	NotFnd	1.15	*	548	588	0.604				
13C-PCB-126	1.66e+07	1.56	y	42:05	1.16	1040				104	2.49e+06	1.61e+06	
PCB-151	*	*	n	NotFnd	0.93	*	868	600	0.988				
PCB-135	*	*	n	NotFnd	0.95	*	868	600	0.965				
PCB-144	*	*	n	NotFnd	0.96	*	868	600	0.961				
PCB-147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

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

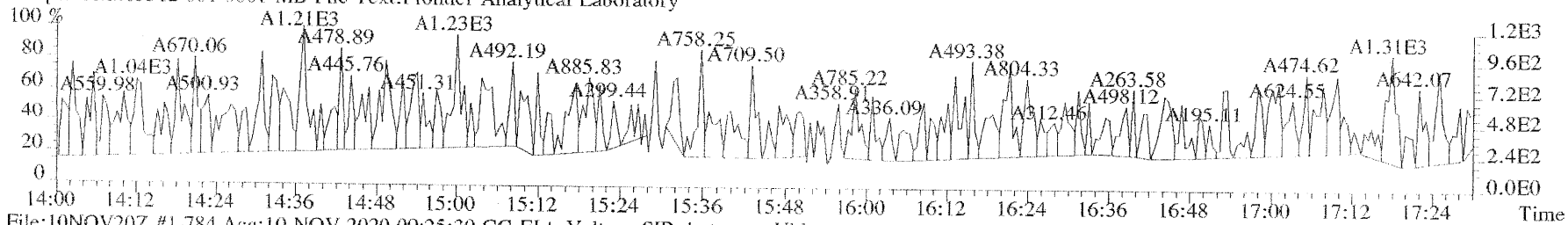
PCB-188	*	*	n	NotFnd	1.09	*	510	460	0.591			
13C-PCB-188	1.60e+07	1.08	y	39:45	1.06	1100				110	1.95e+06	1.80e+06
PCB-184	*	*	n	NotFnd	1.27	*	510	460	0.495			
PCB-179	*	*	n	NotFnd	1.20	*	510	460	0.527			
PCB-176	*	*	n	NotFnd	1.15	*	510	460	0.547			
PCB-186	*	*	n	NotFnd	1.18	*	510	460	0.536			
PCB-178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

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

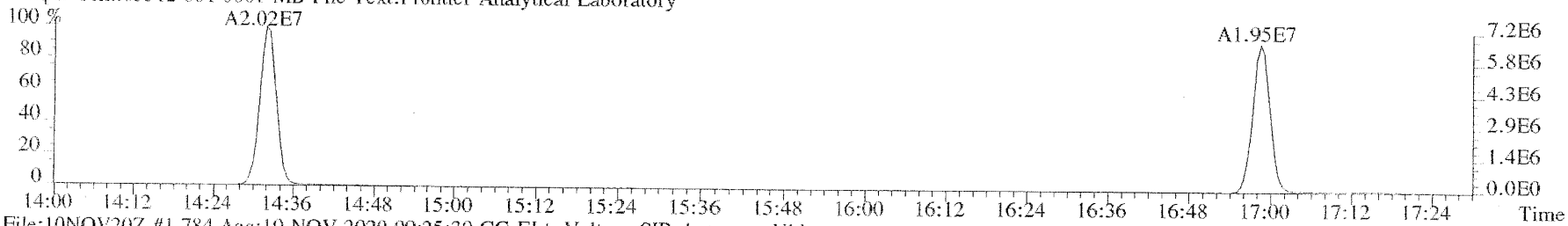
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



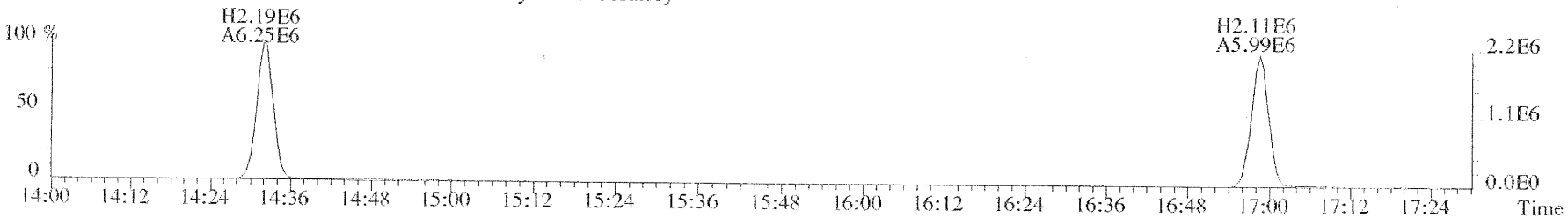
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



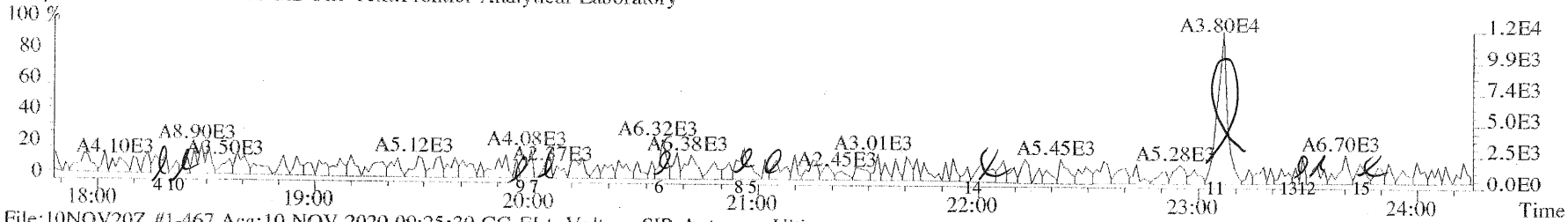
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



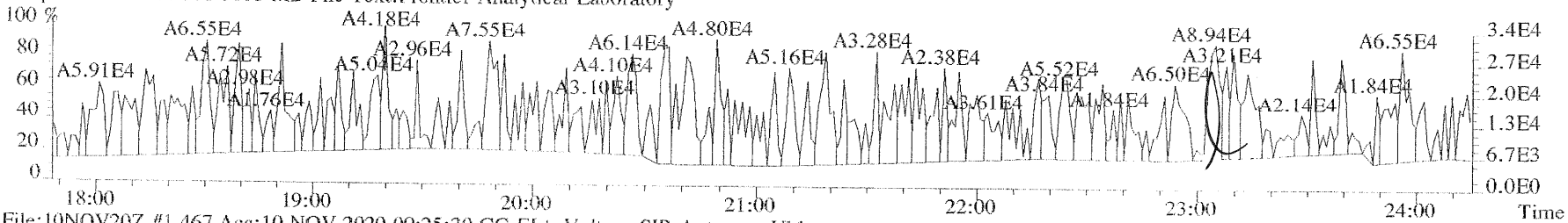
File:10NOV20Z #1-784 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



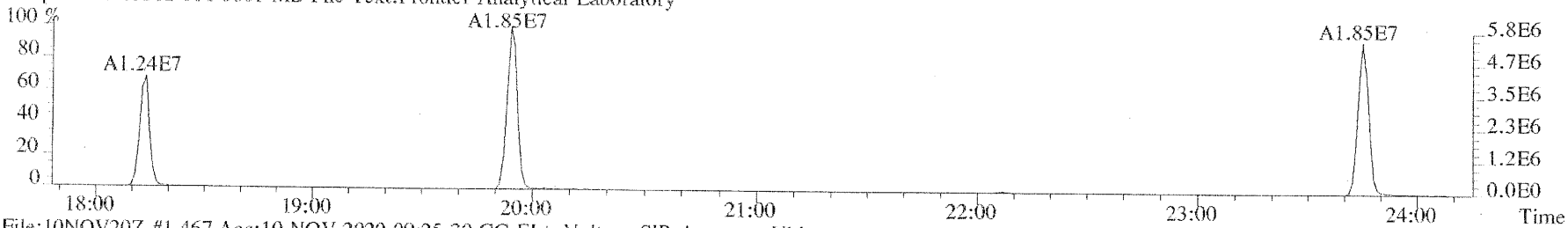
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



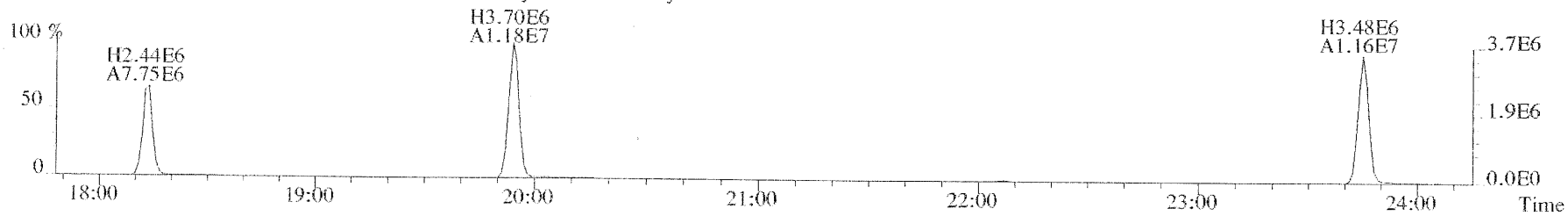
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



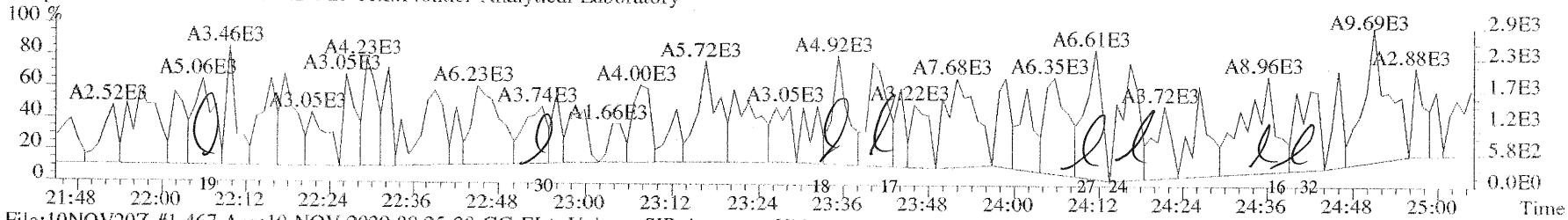
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



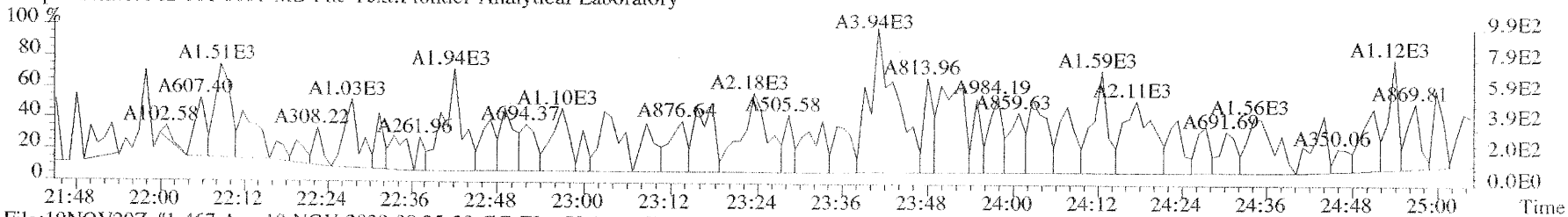
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



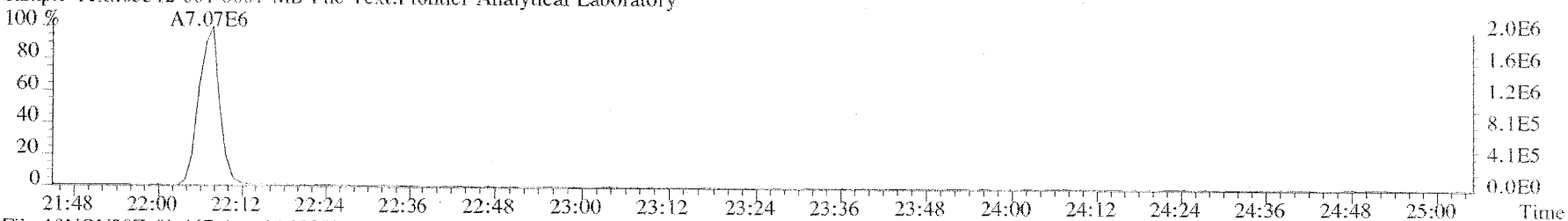
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



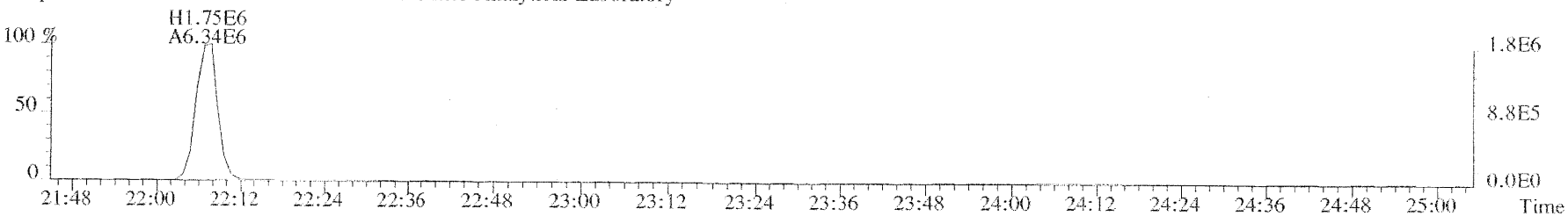
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



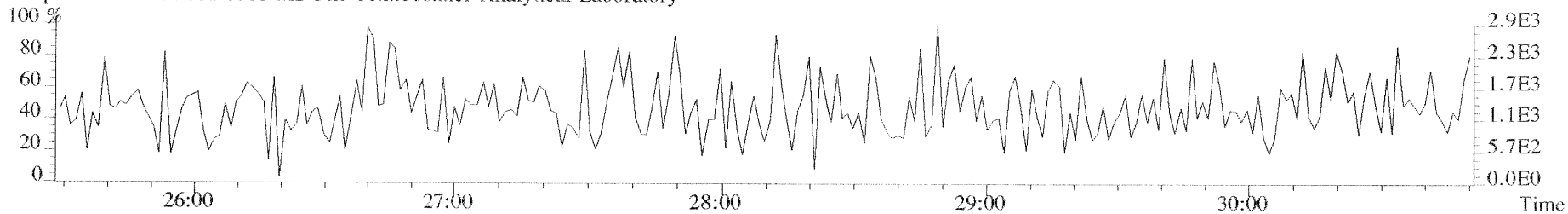
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



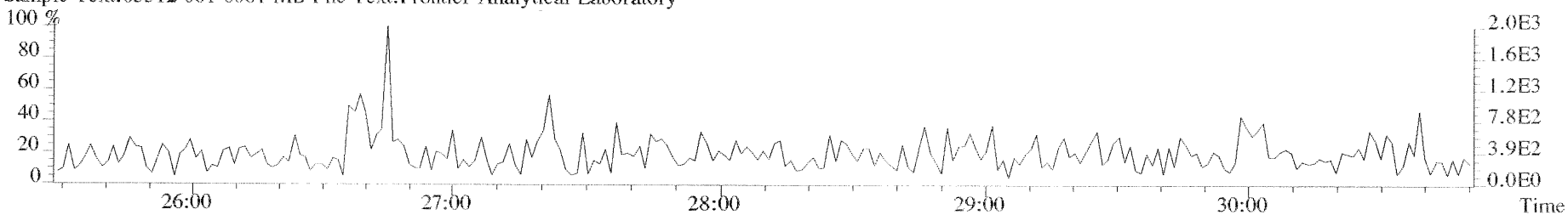
File:10NOV20Z #1-467 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



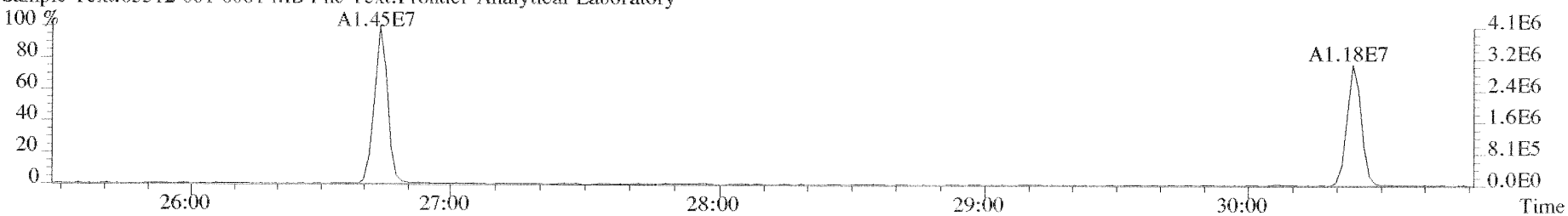
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



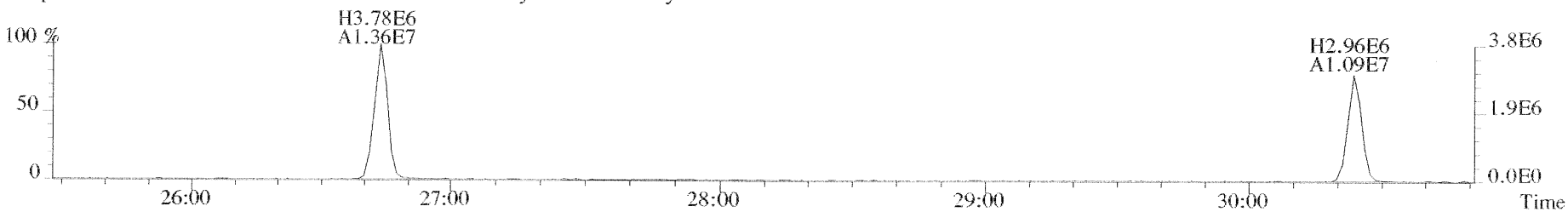
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



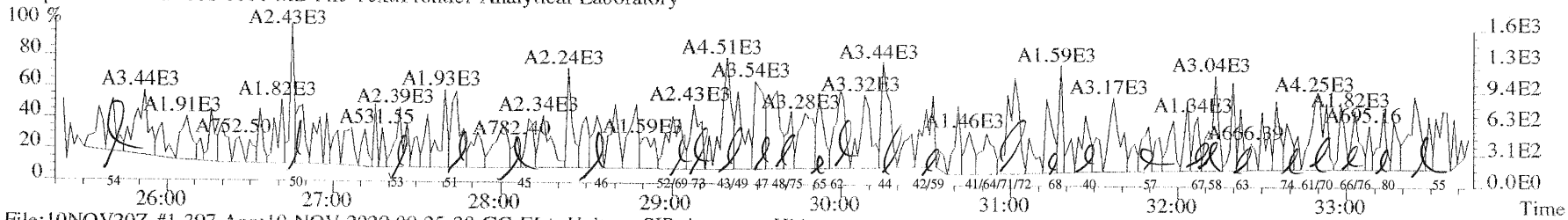
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



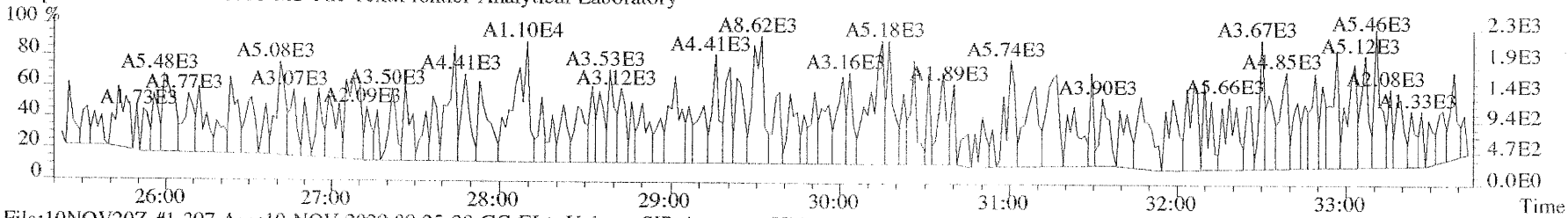
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



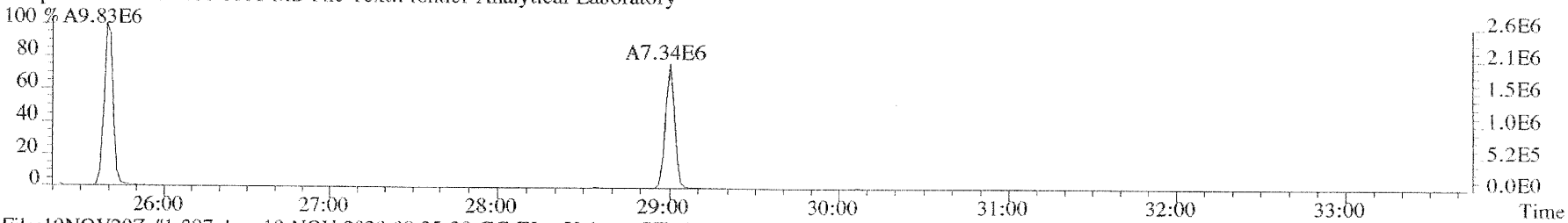
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



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



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



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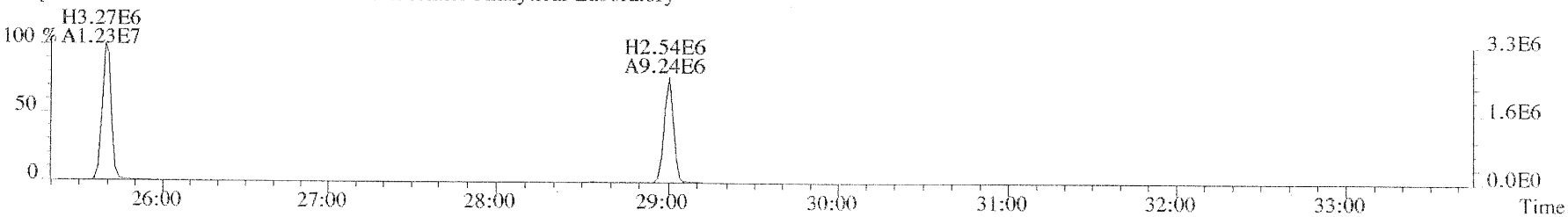
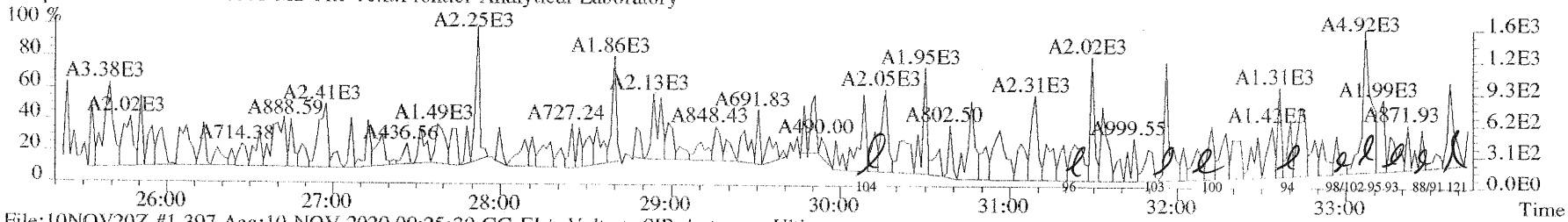
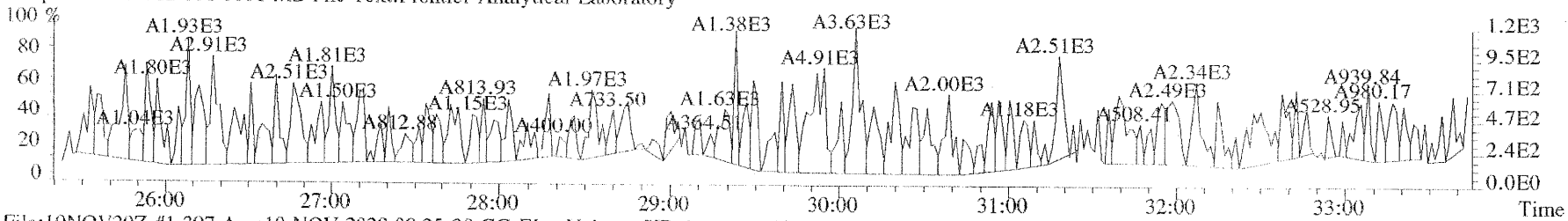
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



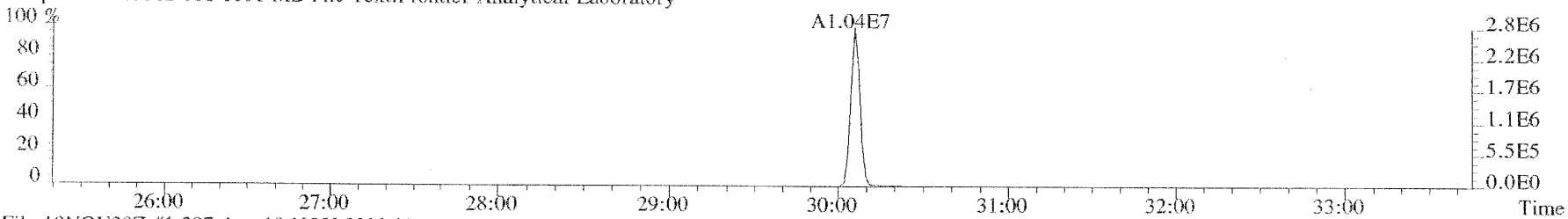
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



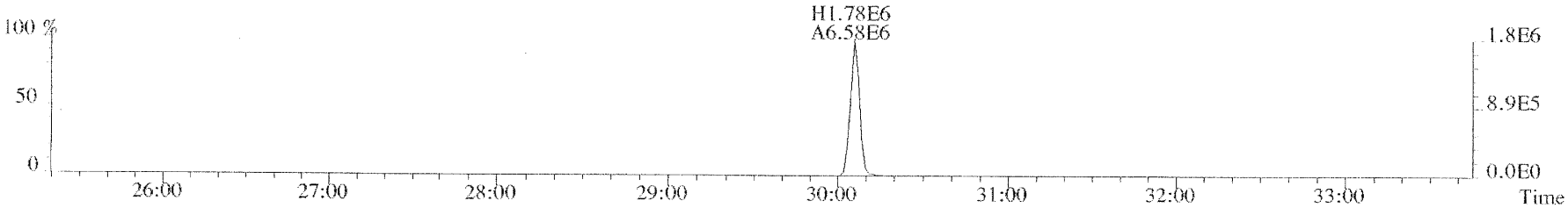
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



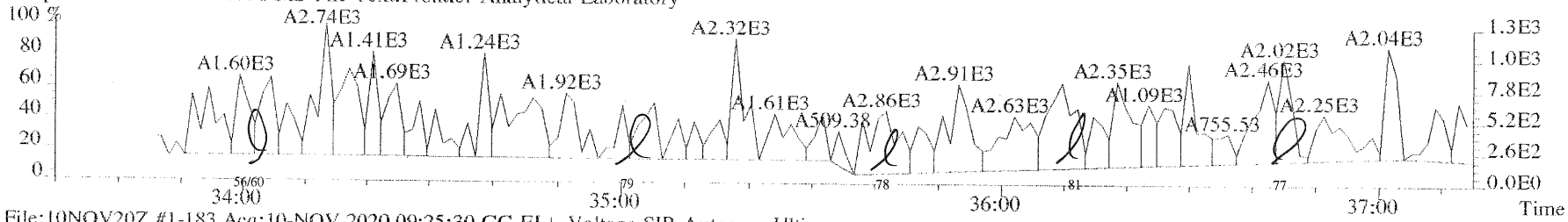
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



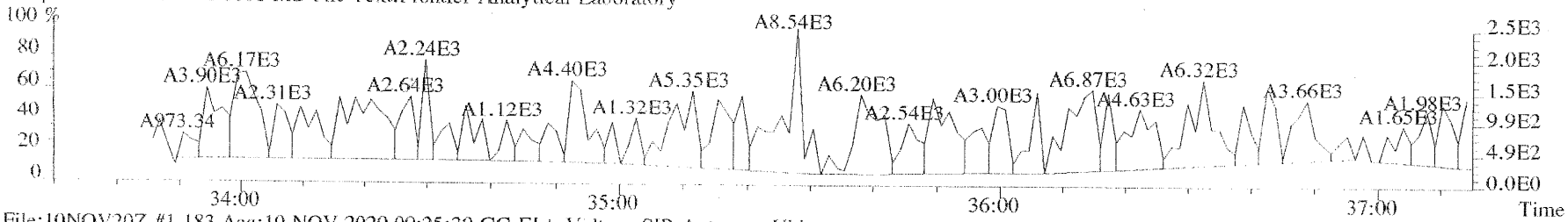
File:10NOV20Z #1-397 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



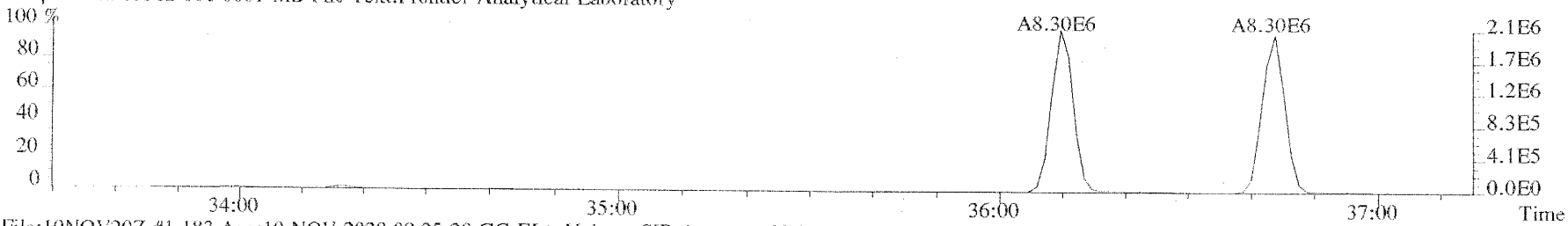
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



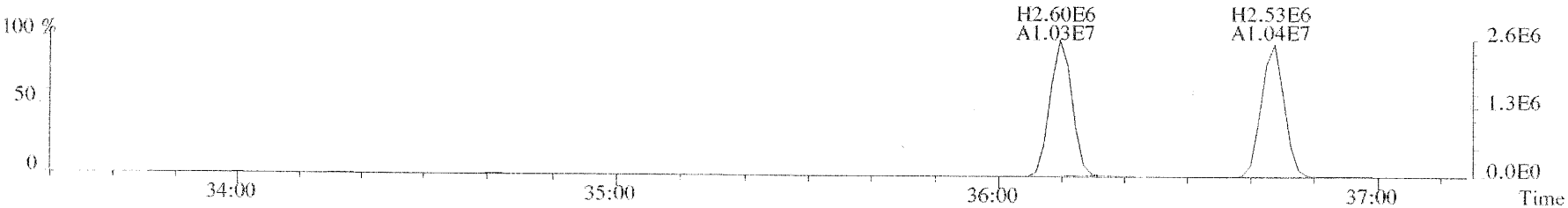
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



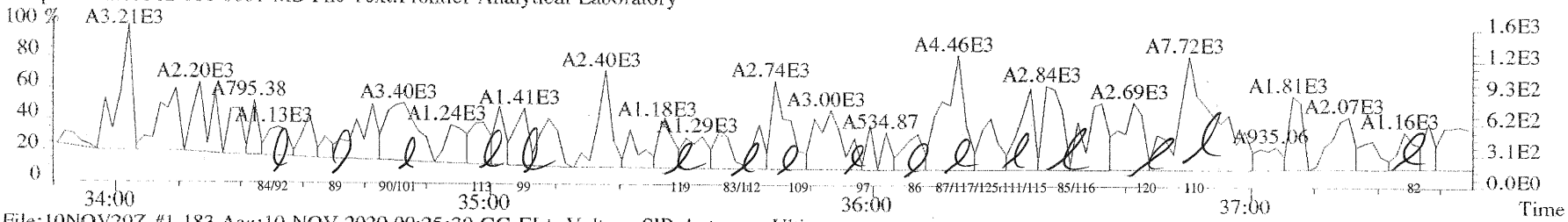
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



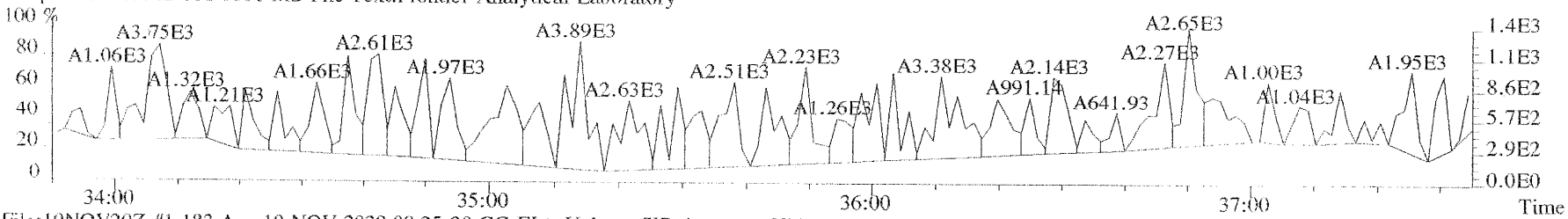
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



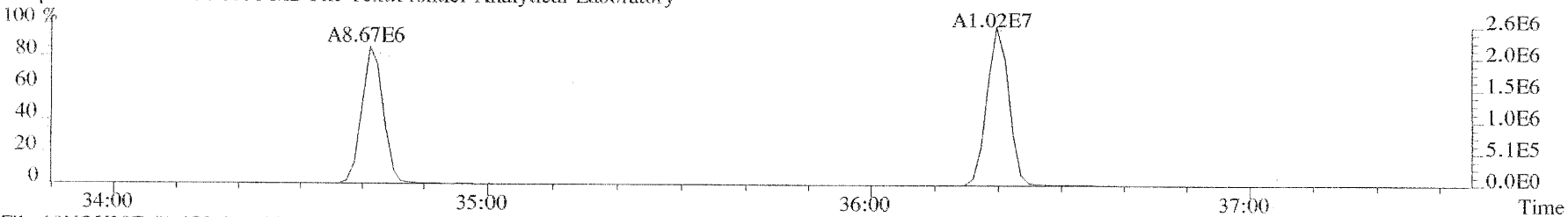
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



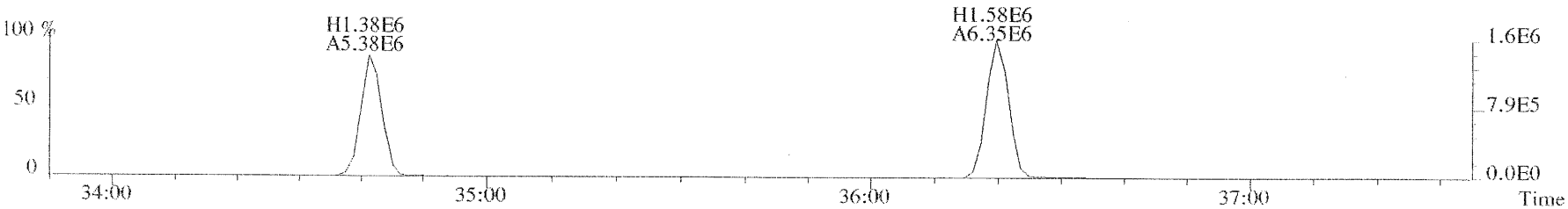
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



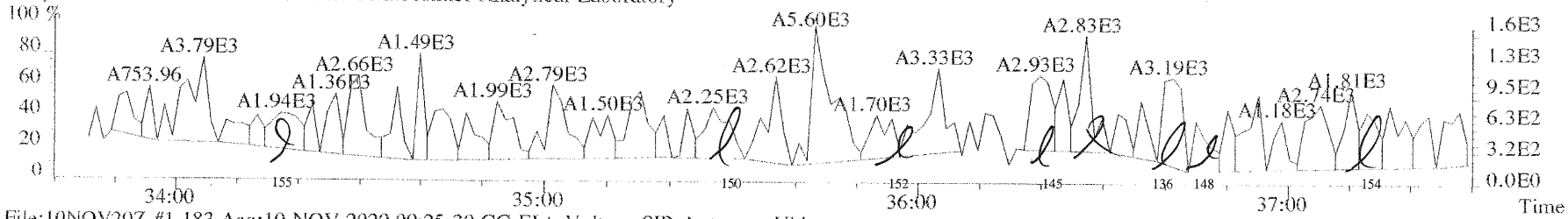
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



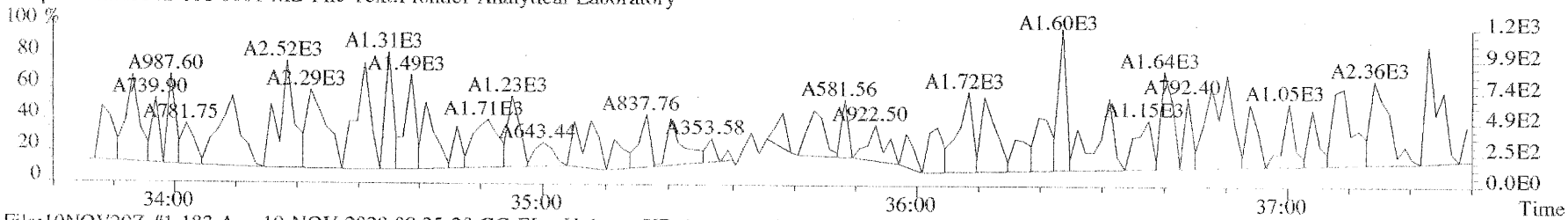
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



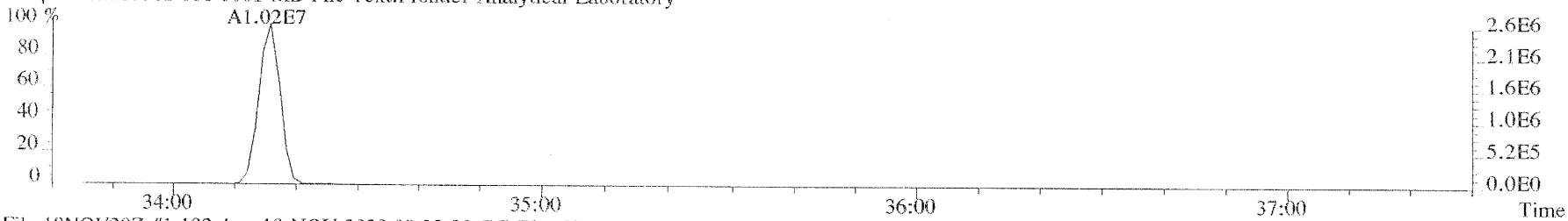
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



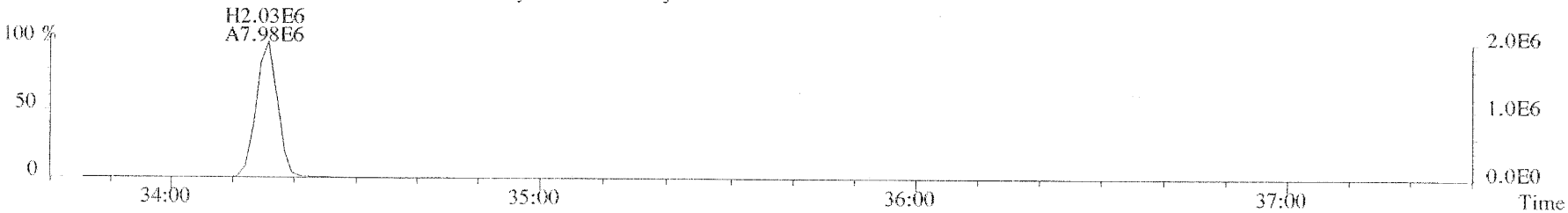
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



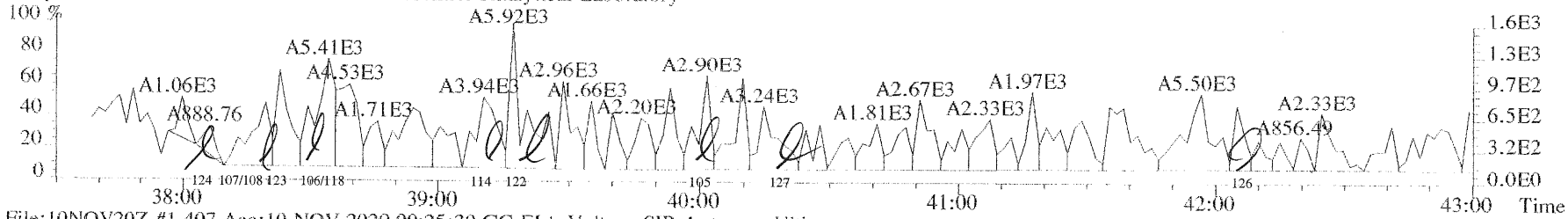
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



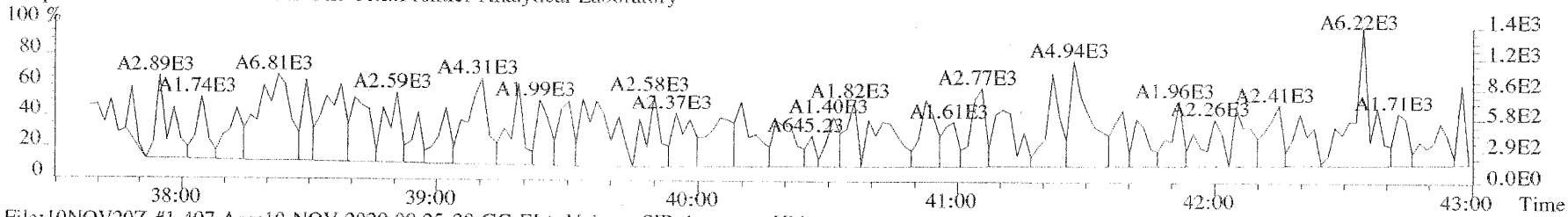
File:10NOV20Z #1-183 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



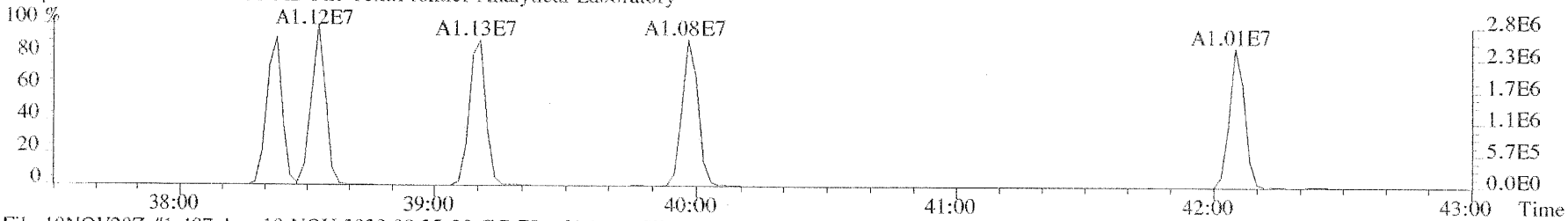
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



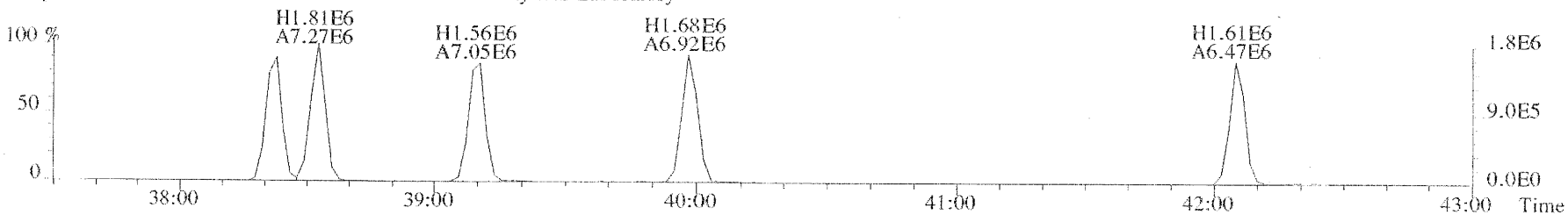
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



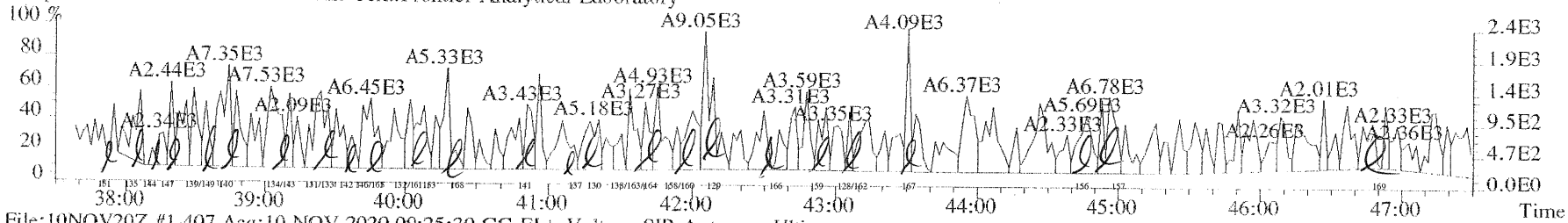
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



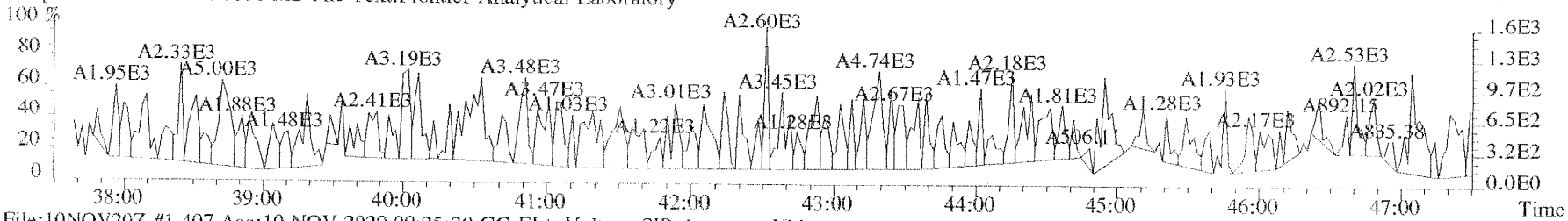
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



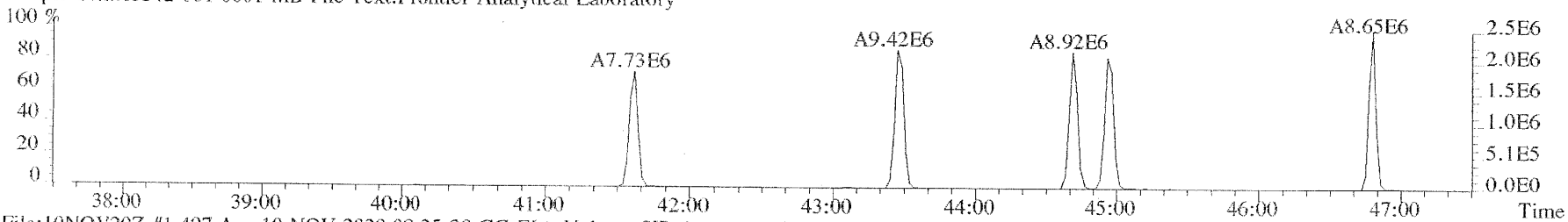
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



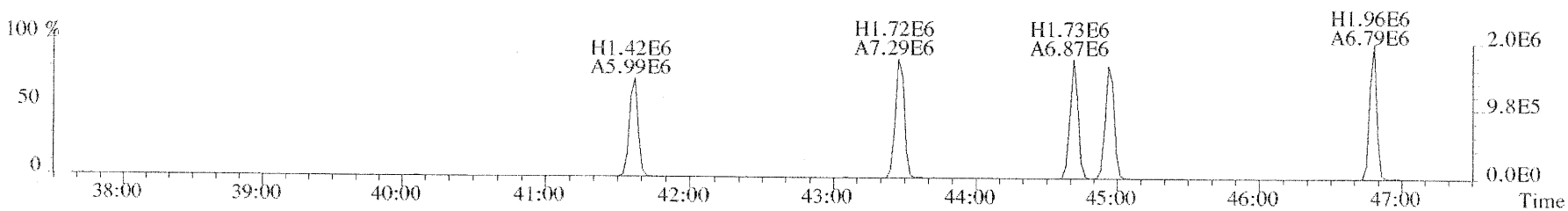
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



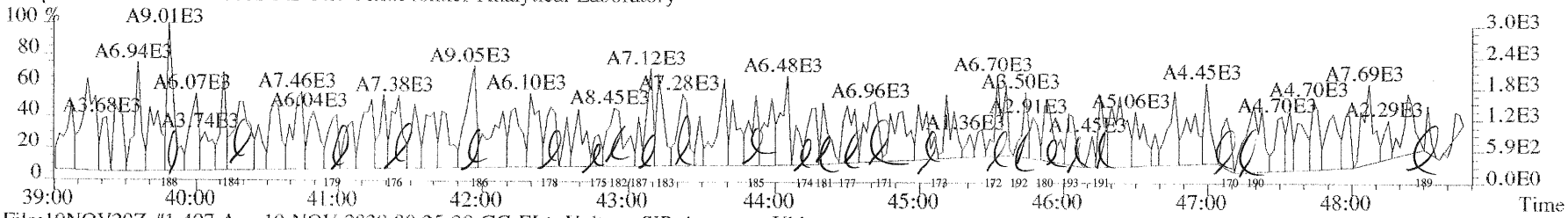
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



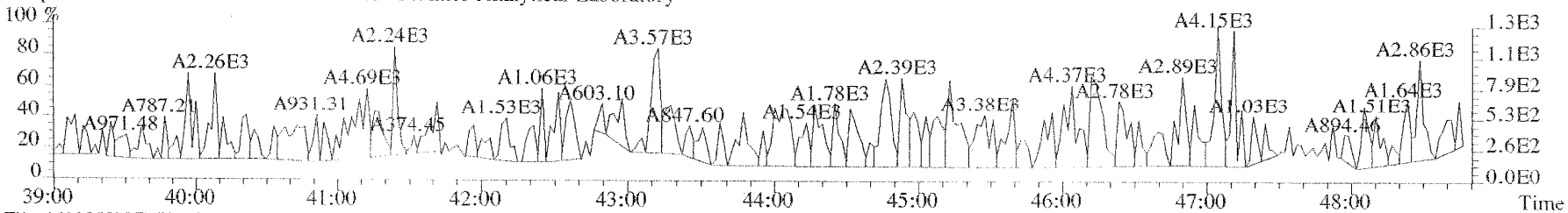
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



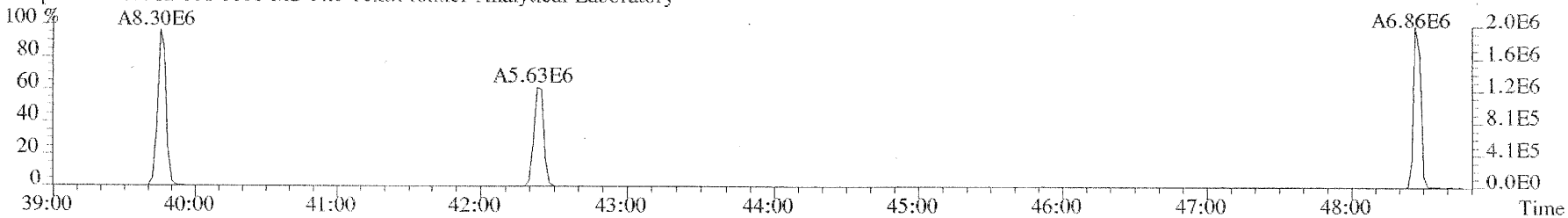
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



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



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



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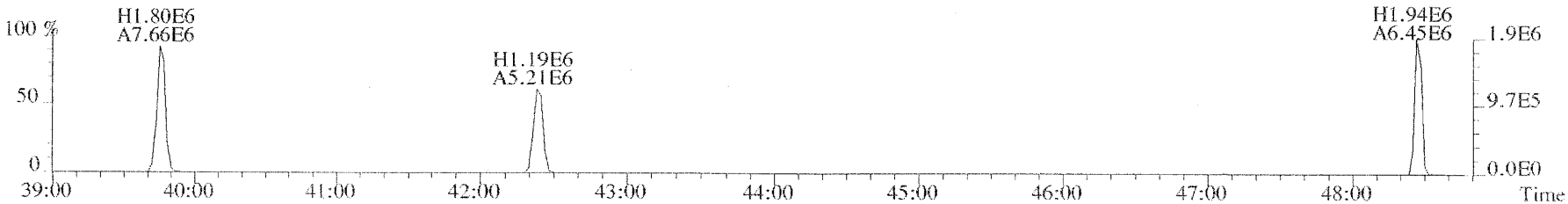
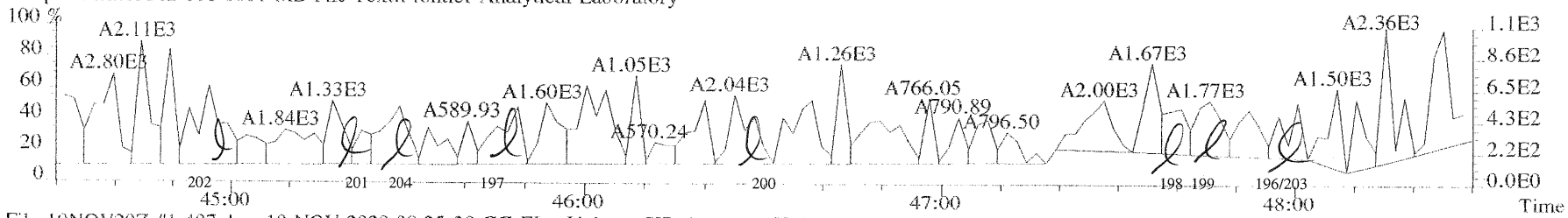
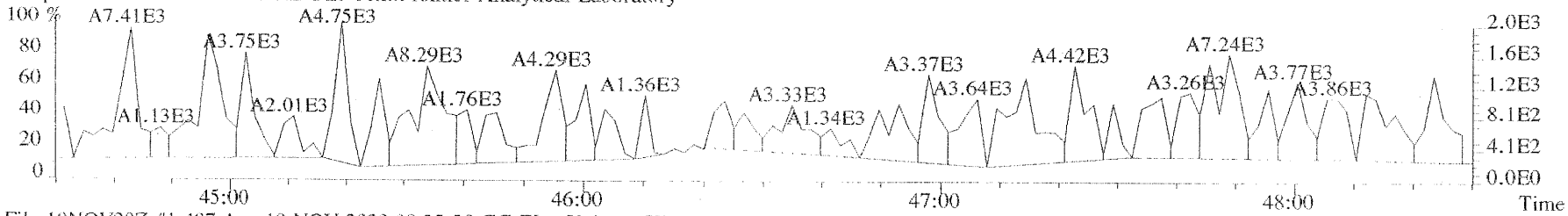
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



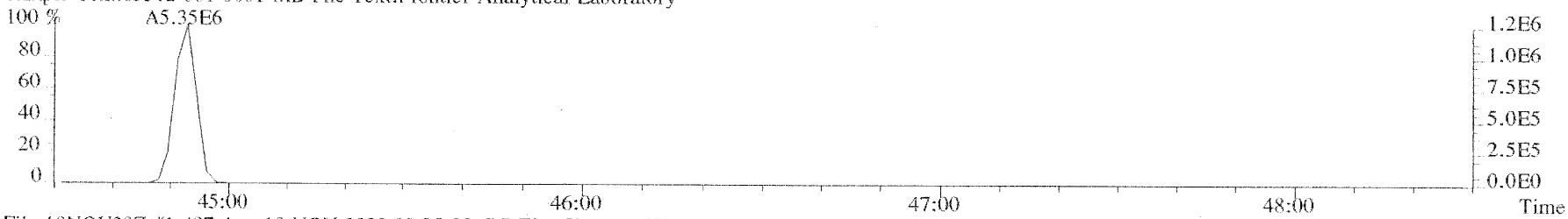
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



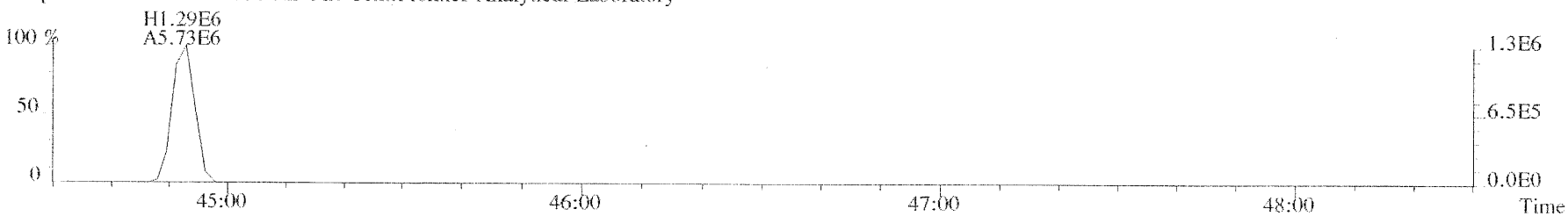
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



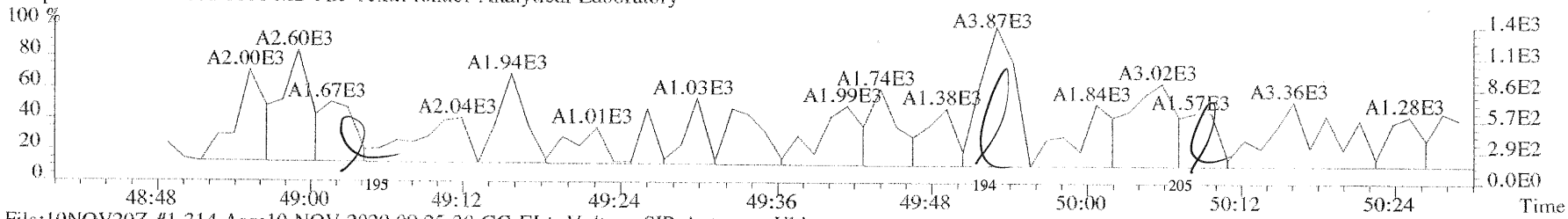
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



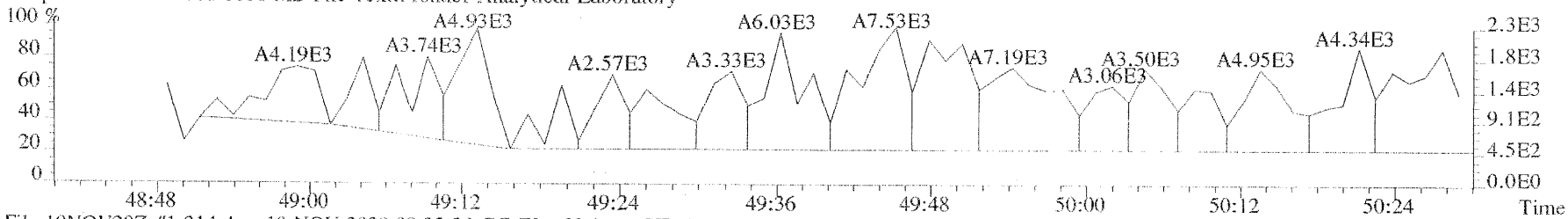
File:10NOV20Z #1-407 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



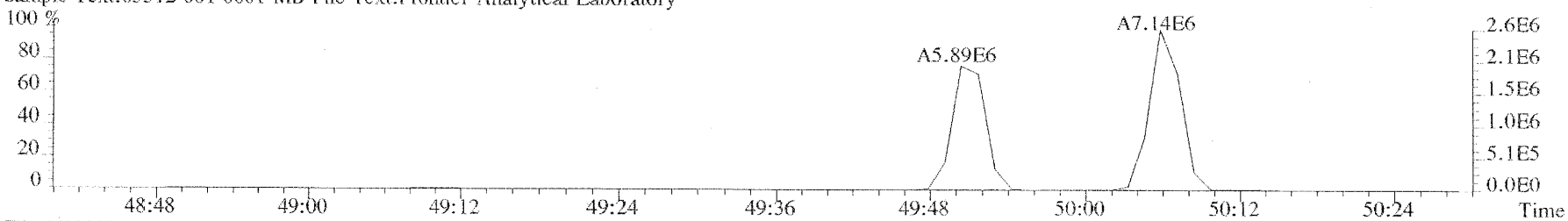
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



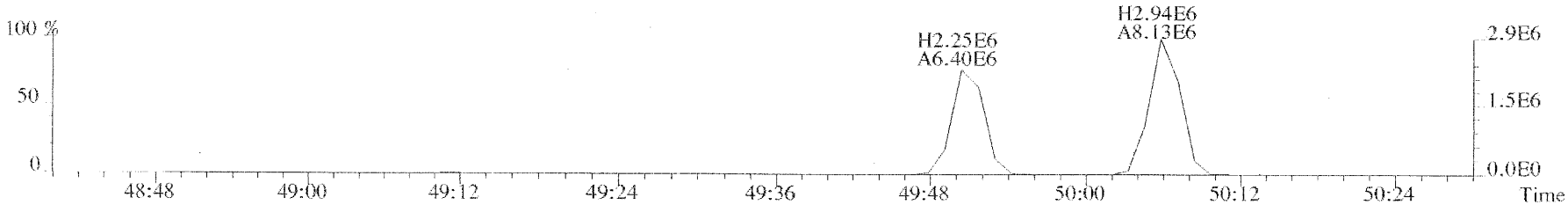
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



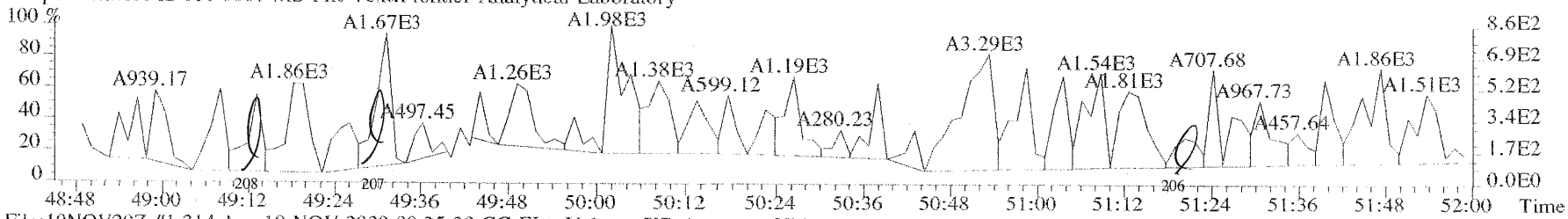
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



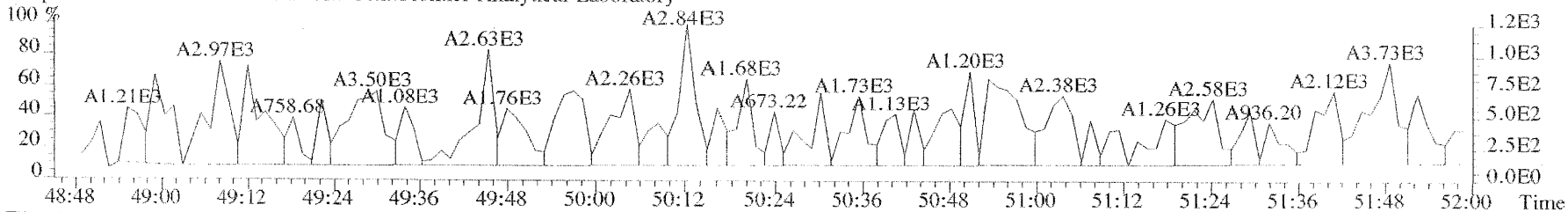
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



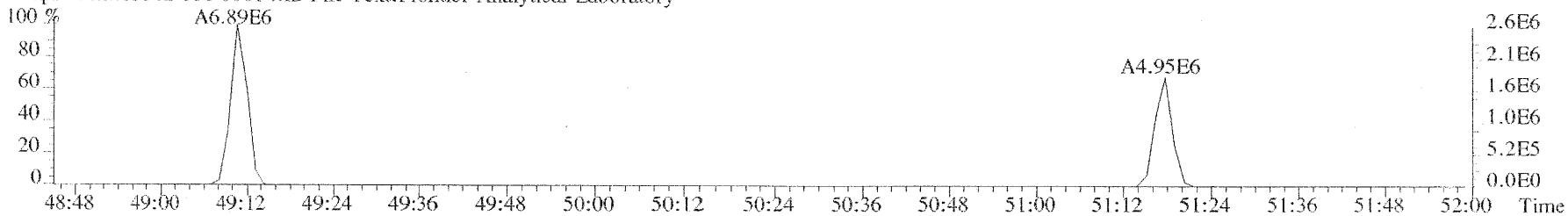
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



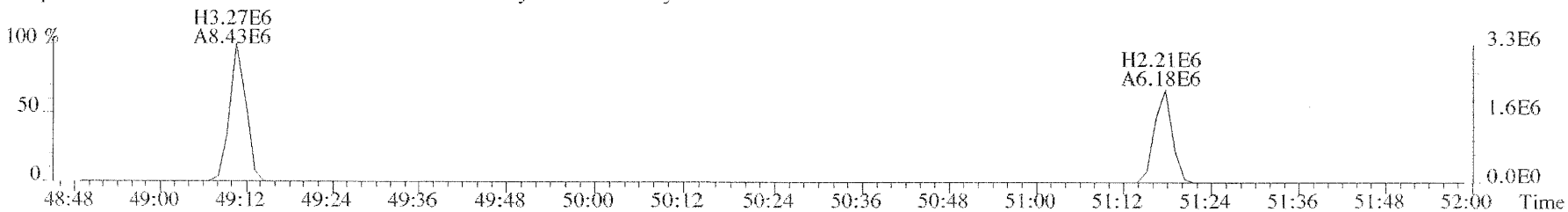
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



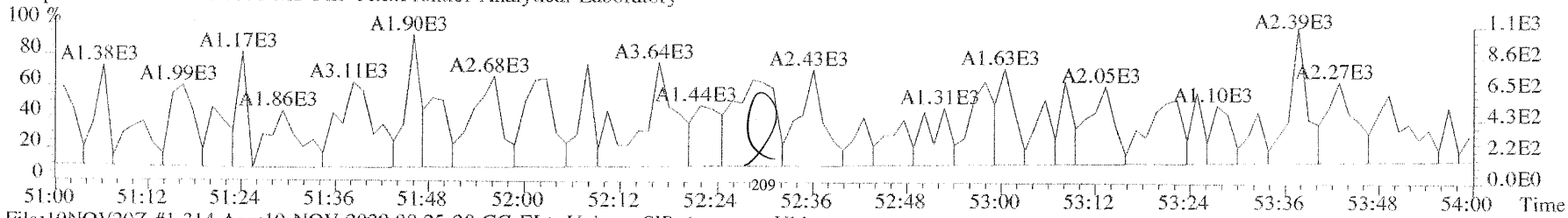
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



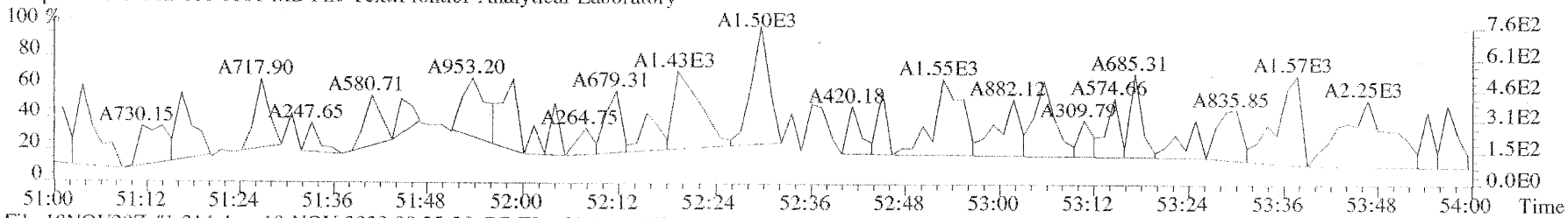
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



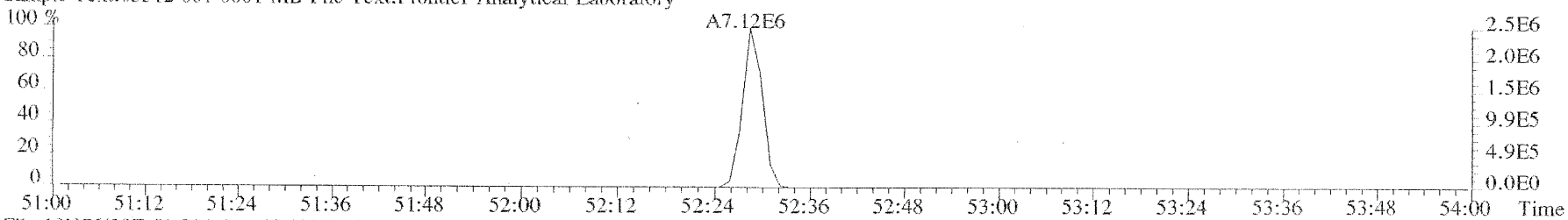
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



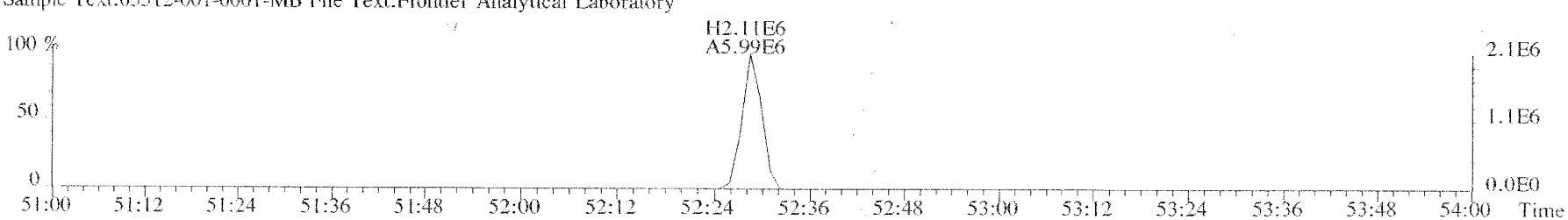
File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 09:25:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-MB File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

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

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

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

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

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

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

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

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

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

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

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

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

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

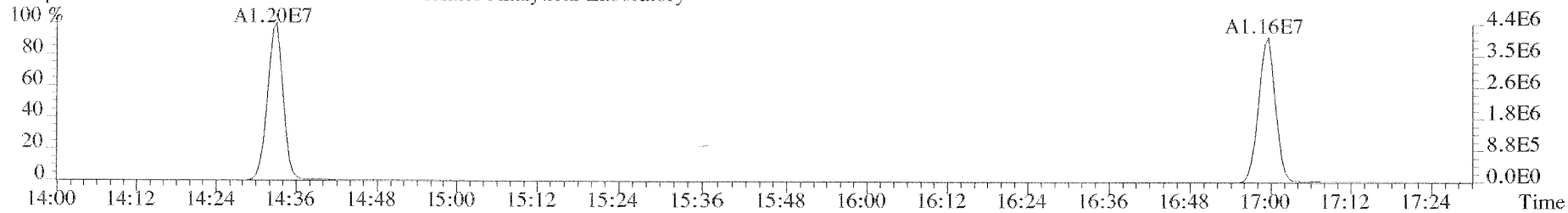
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.58e+07	3.16 y	14:33	1.23	47.5		2.50	-	-	*	
13C-PCB-1	2.70e+07	3.21 y	14:32	0.89	96.5		2.50				96.5
PCB-3	1.53e+07	3.11 y	16:60	1.21	48.8		2.50	-	-	*	
13C-PCB-3	2.59e+07	3.25 y	16:58	0.87	94.9		2.50				94.9
PCB-4	1.13e+07	1.47 y	18:15	0.97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

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

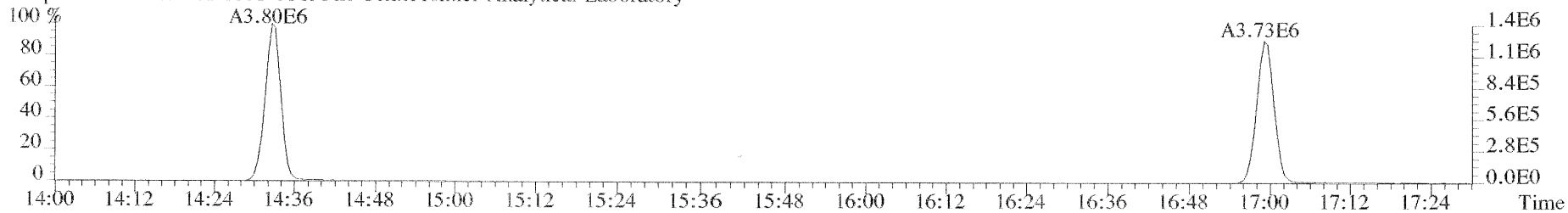
PCB-205	8.08e+06	0.92	y	50:07	1.08	49.3	2.50	-	-	*	
13C-PCB-205	1.51e+07	0.89	y	50:06	1.26	97.8	2.50				97.8
PCB-208	8.05e+06	1.36	y	49:12	1.08	47.8	2.50	-	-	*	
13C-PCB-208	1.56e+07	0.81	y	49:11	1.27	99.3	2.50				99.3
PCB-206	5.88e+06	1.35	y	51:19	1.11	47.9	2.50	-	-	*	
13C-PCB-206	1.11e+07	0.80	y	51:18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

Analyst: _____ Date: 11/10/20

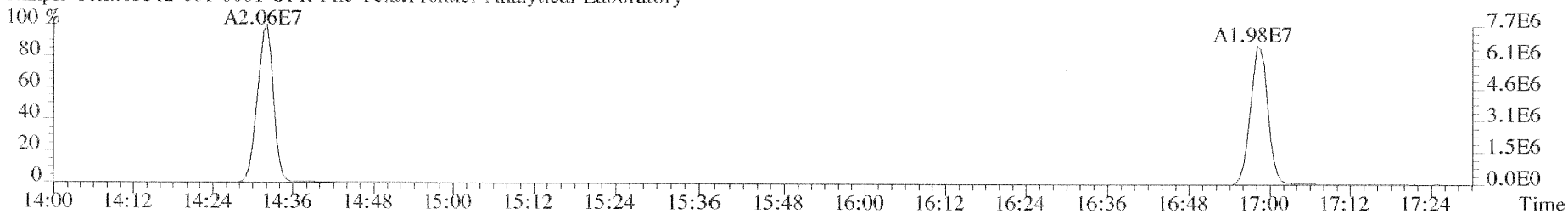
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



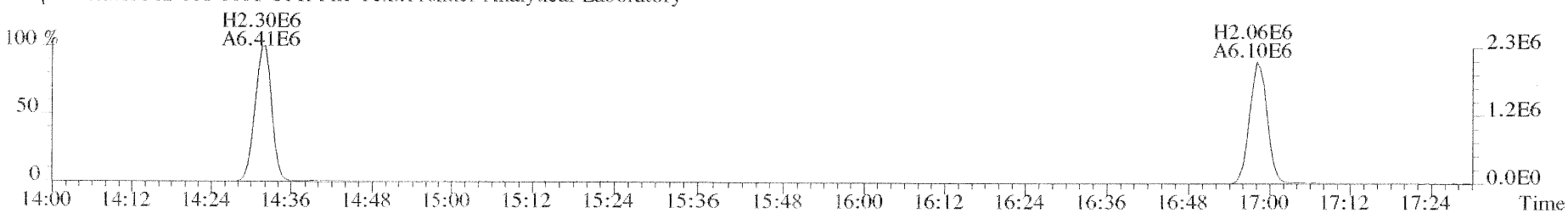
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



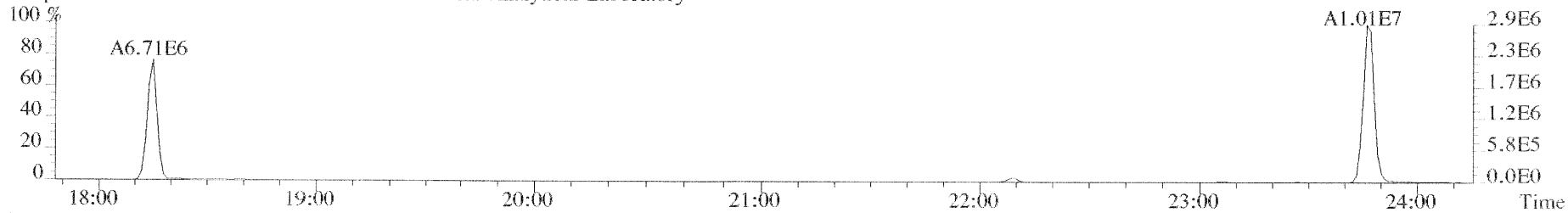
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



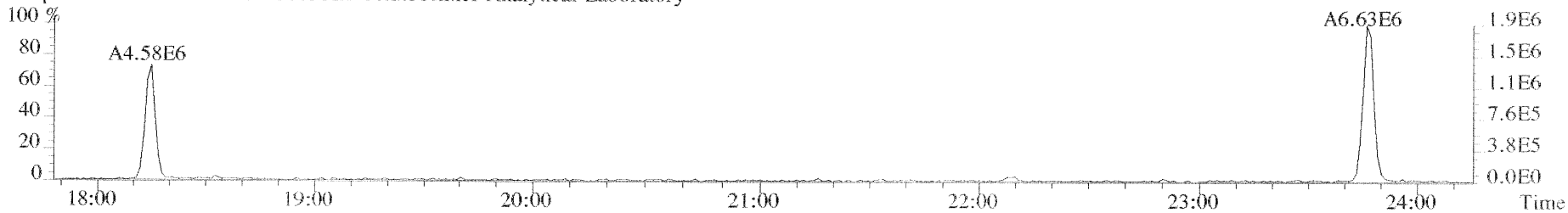
File:10NOV20Z #1-784 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



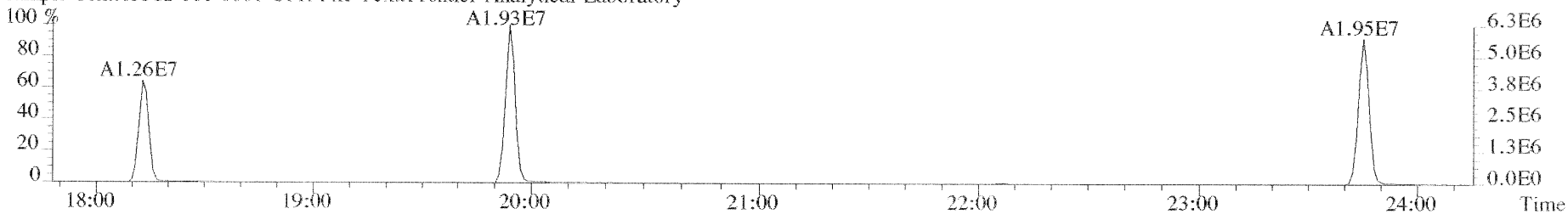
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



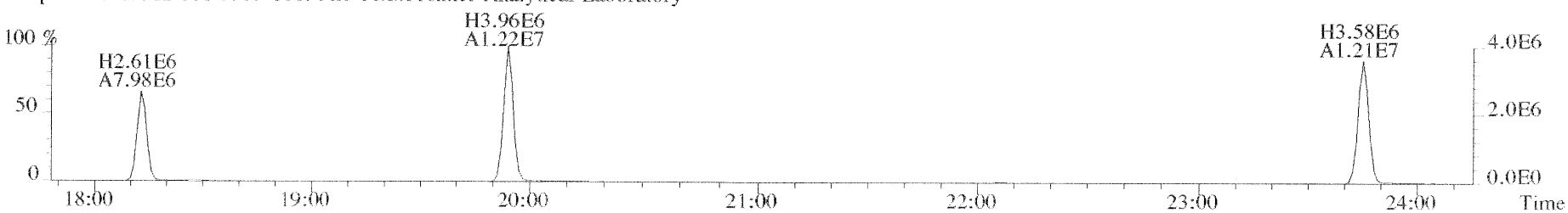
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



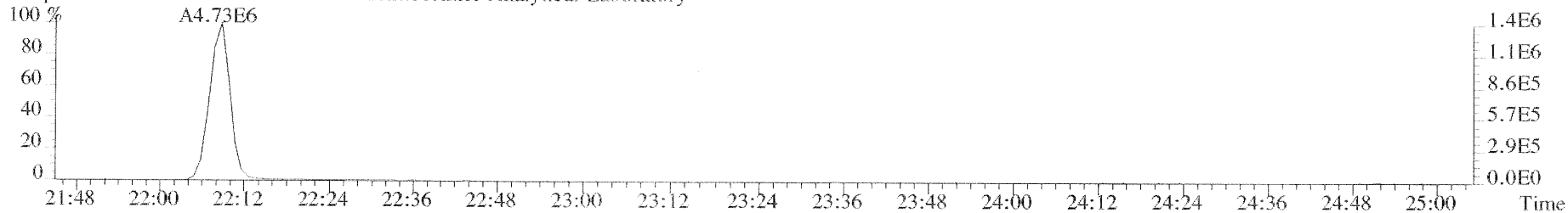
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



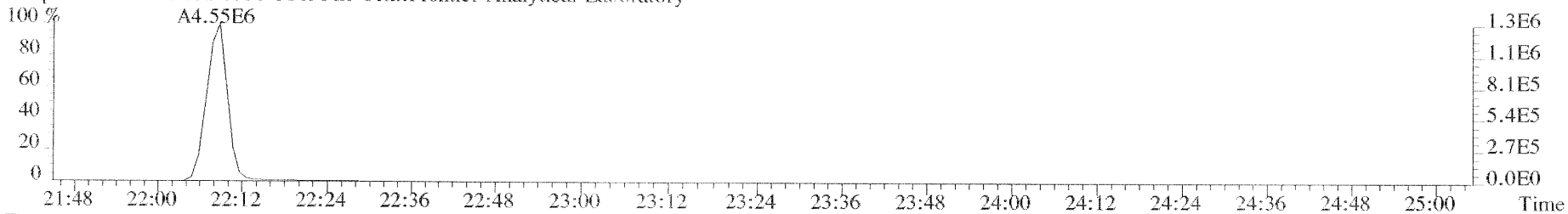
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



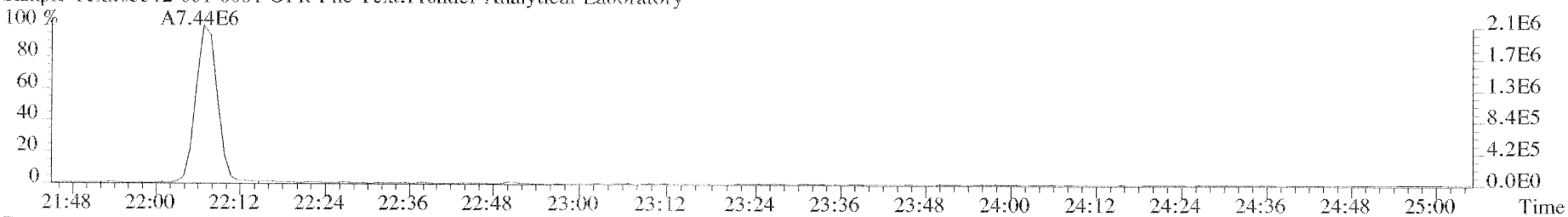
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



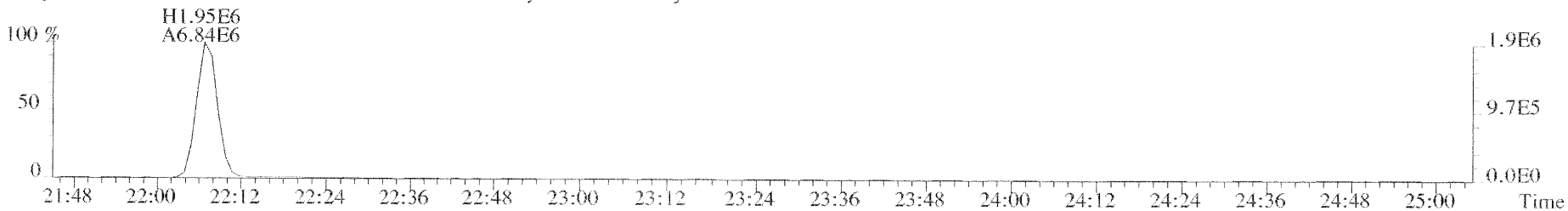
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



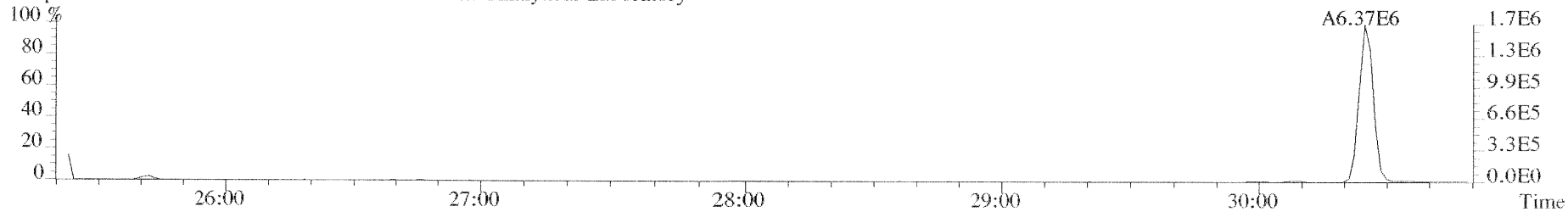
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



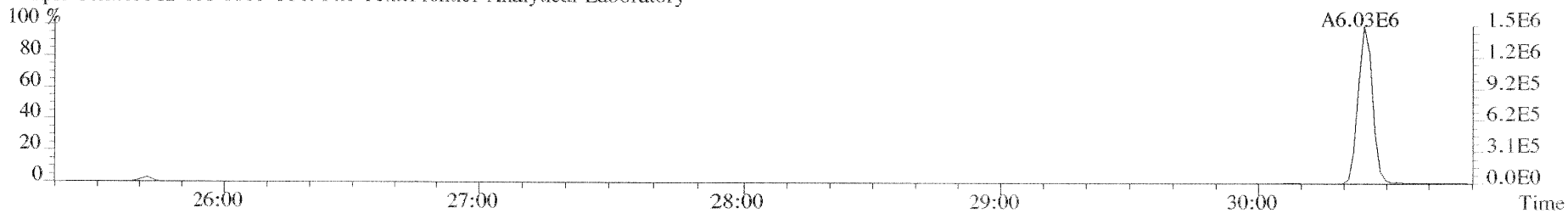
File:10NOV20Z #1-467 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



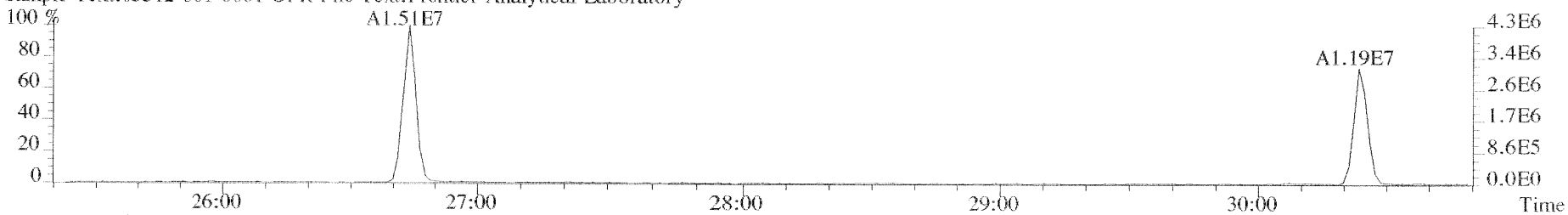
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



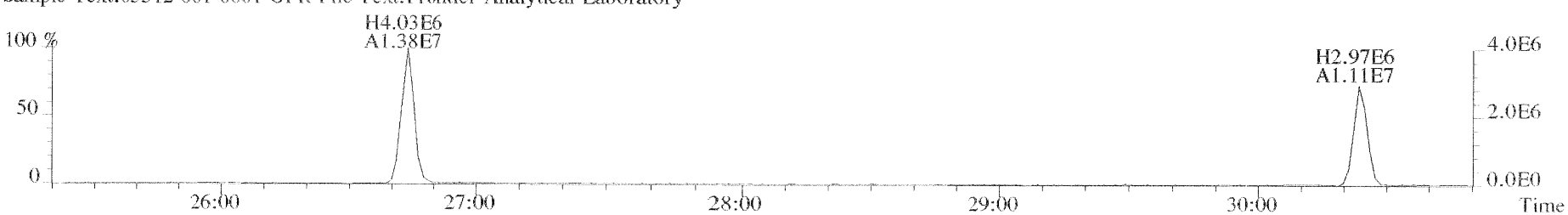
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



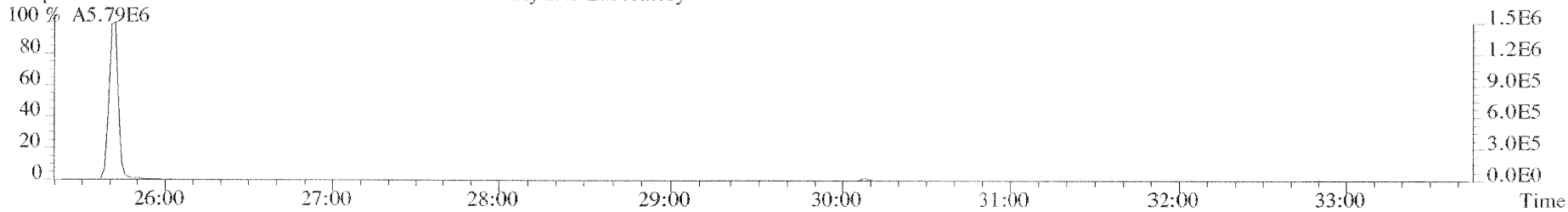
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



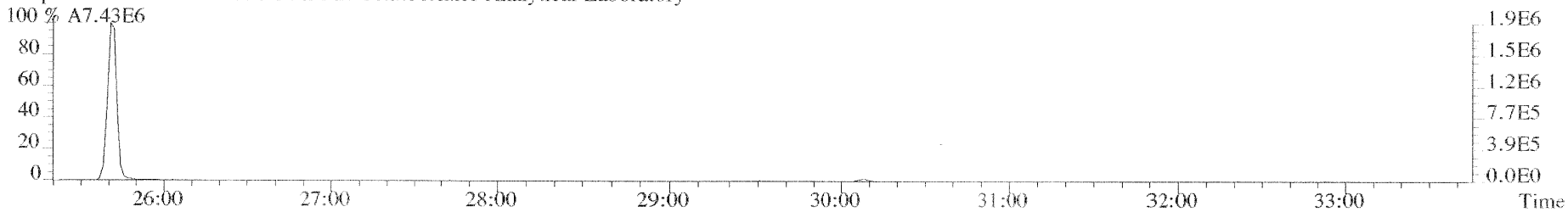
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



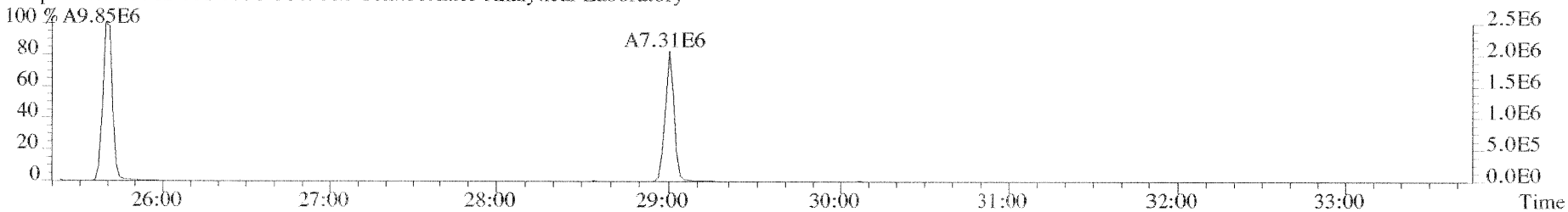
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



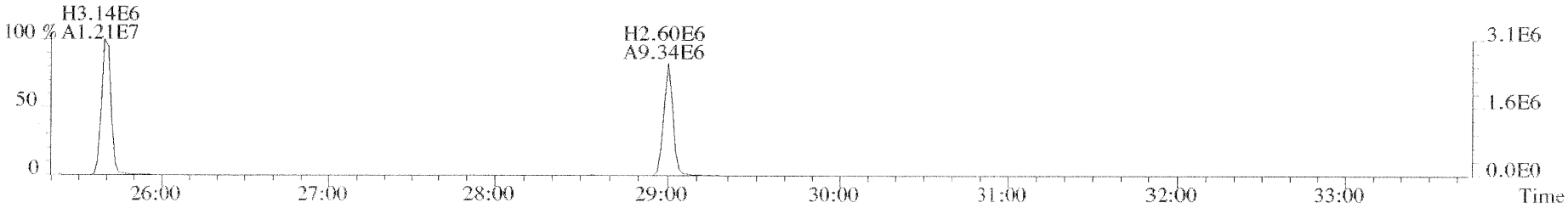
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



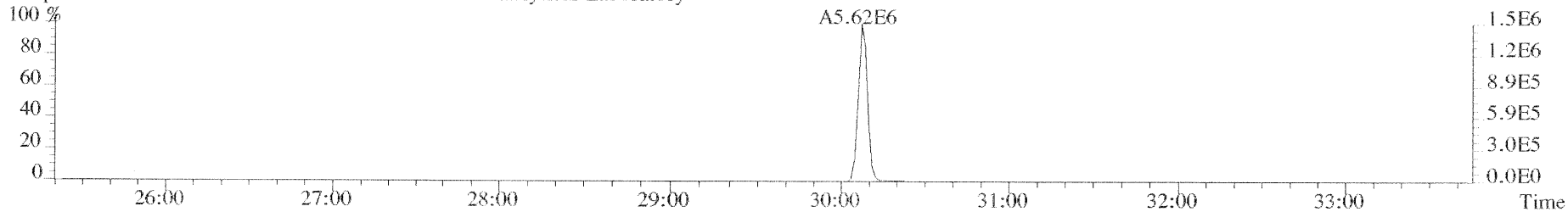
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



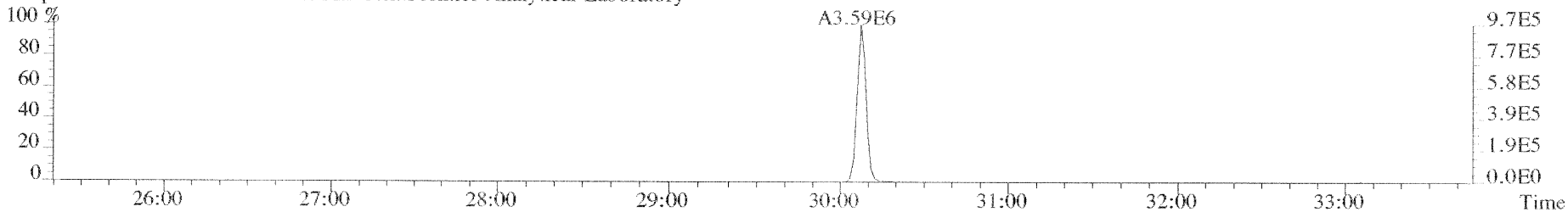
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



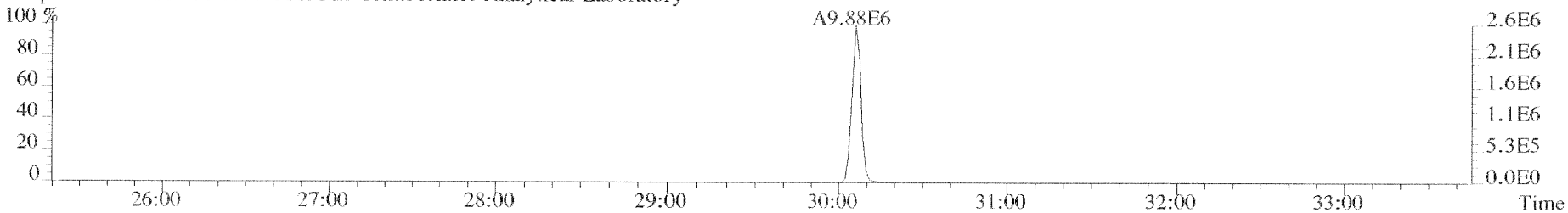
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



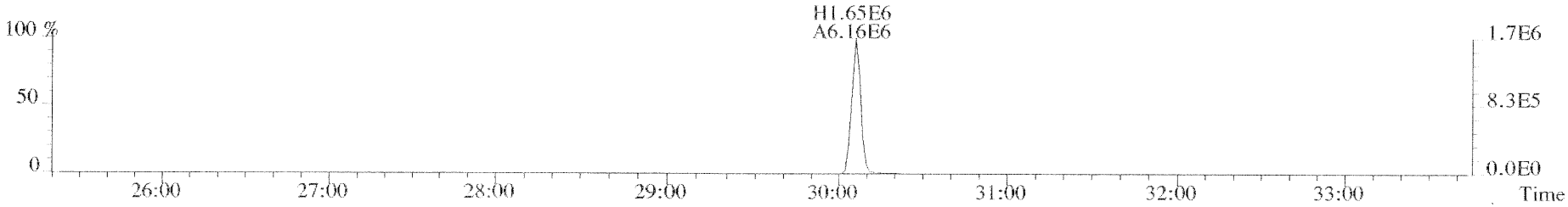
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



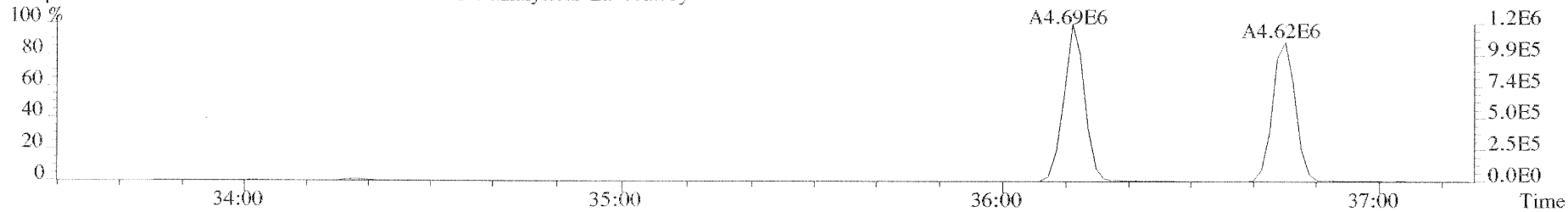
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



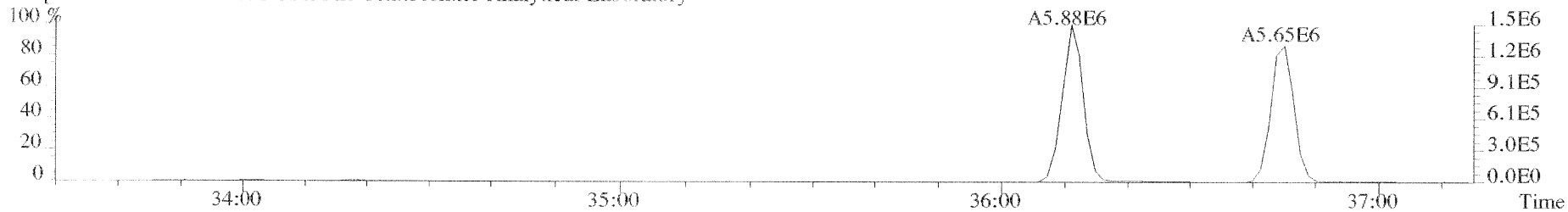
File:10NOV20Z #1-397 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



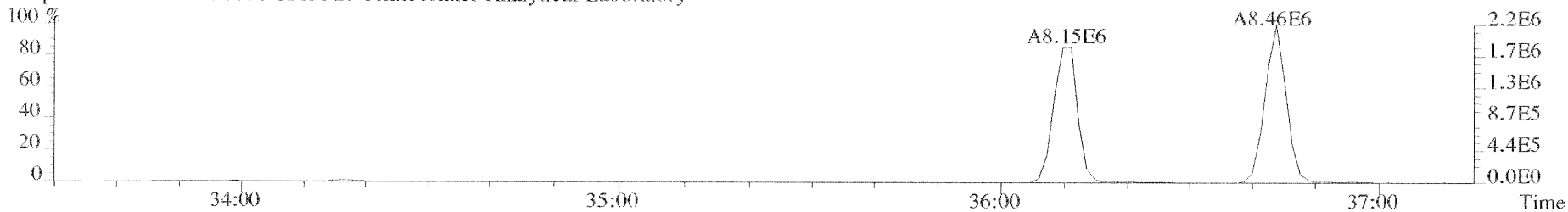
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



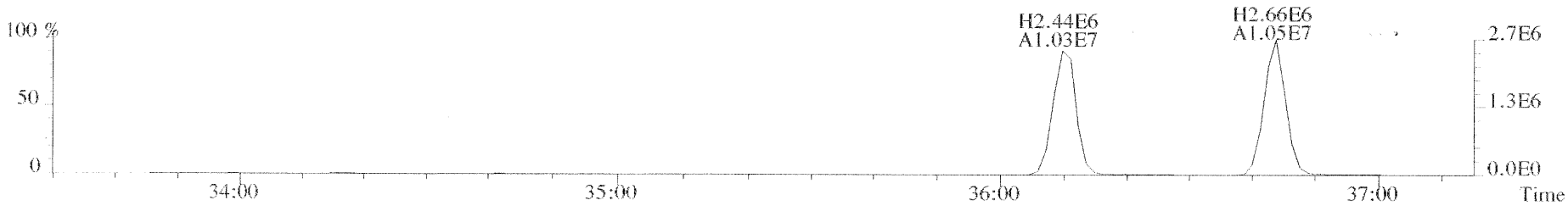
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



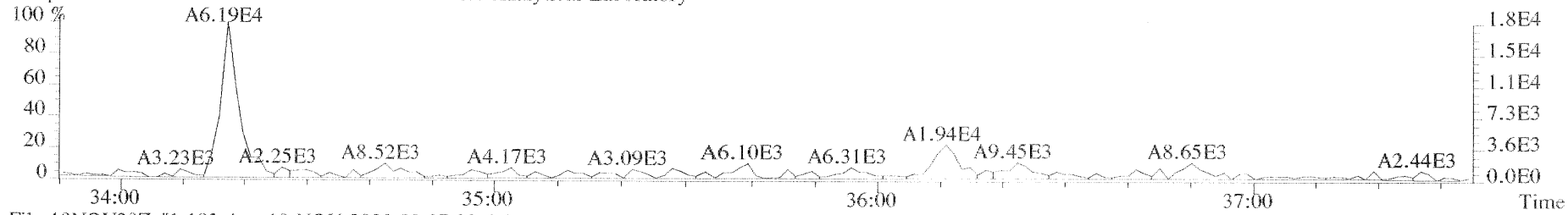
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



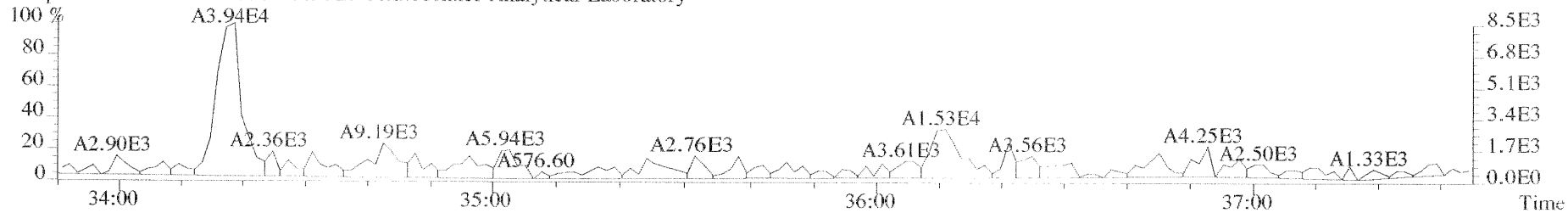
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



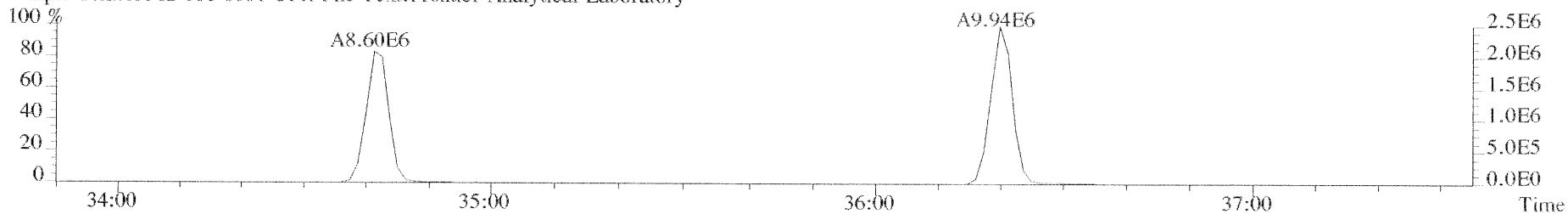
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



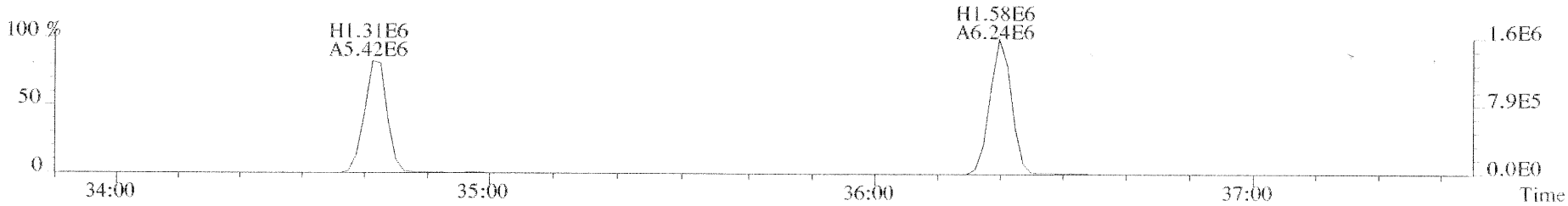
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



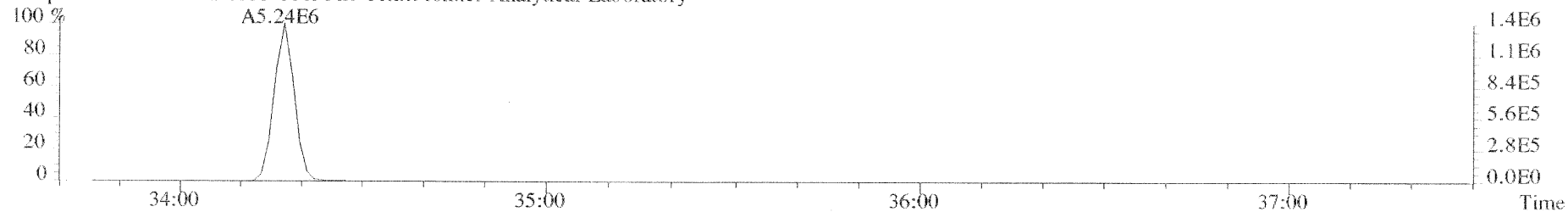
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



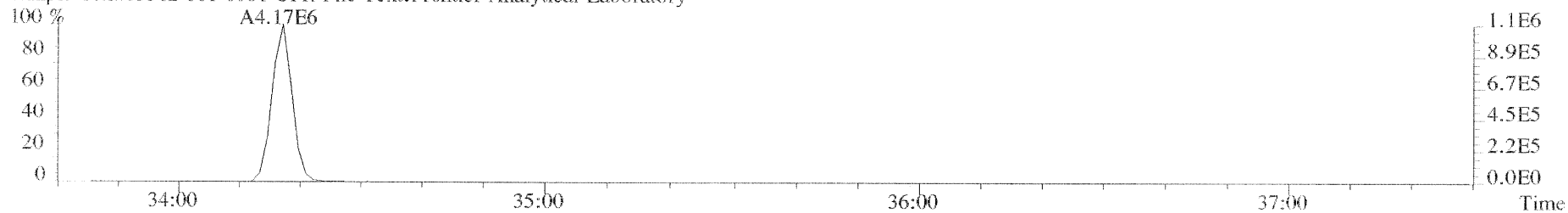
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



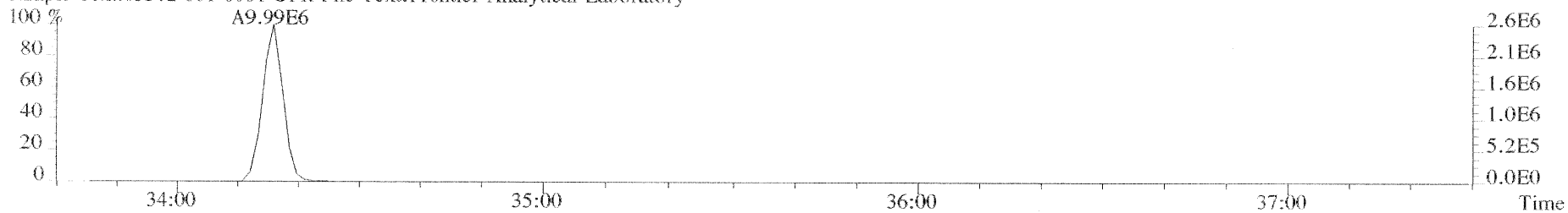
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



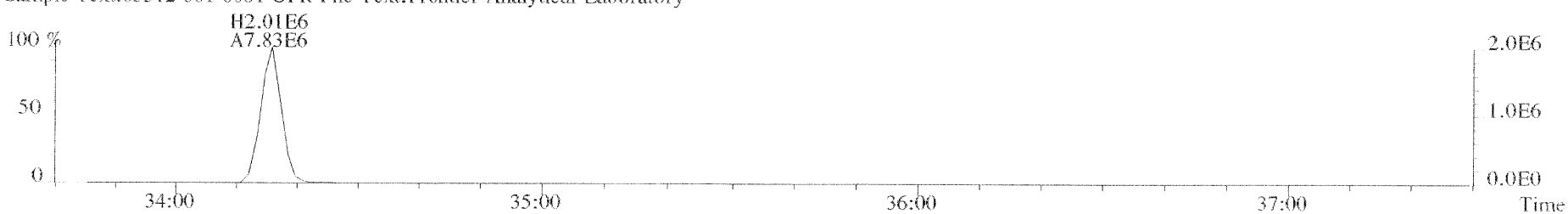
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



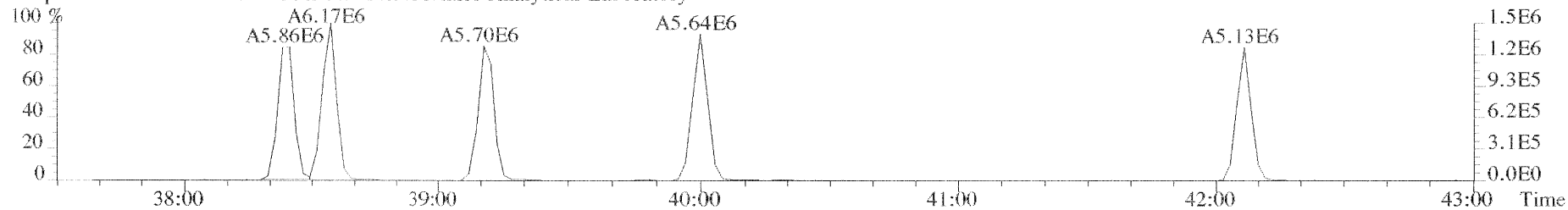
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



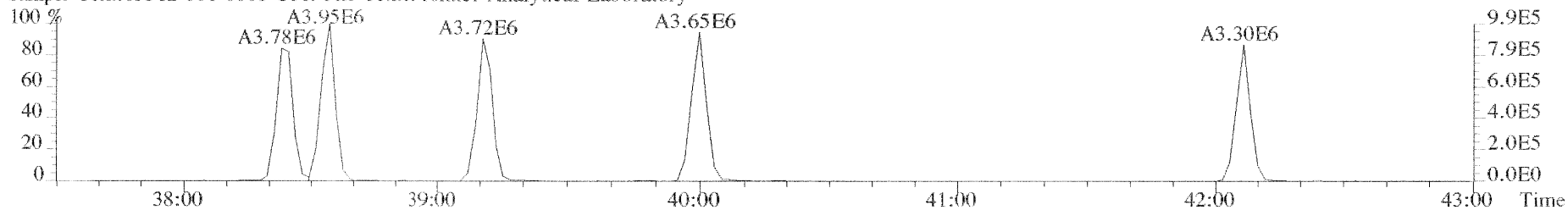
File:10NOV20Z #1-183 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



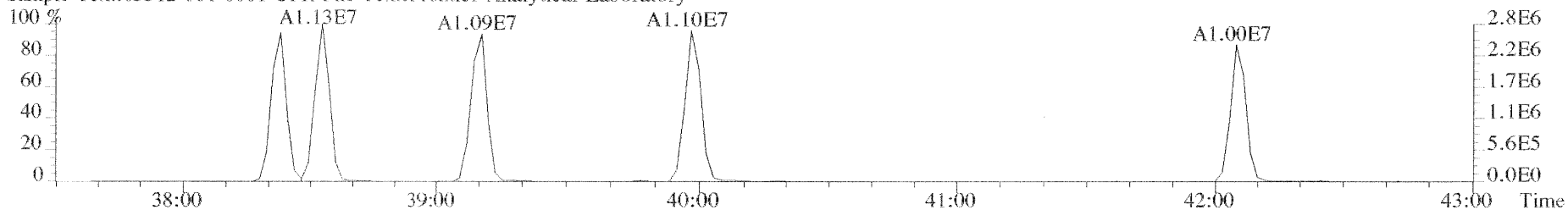
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



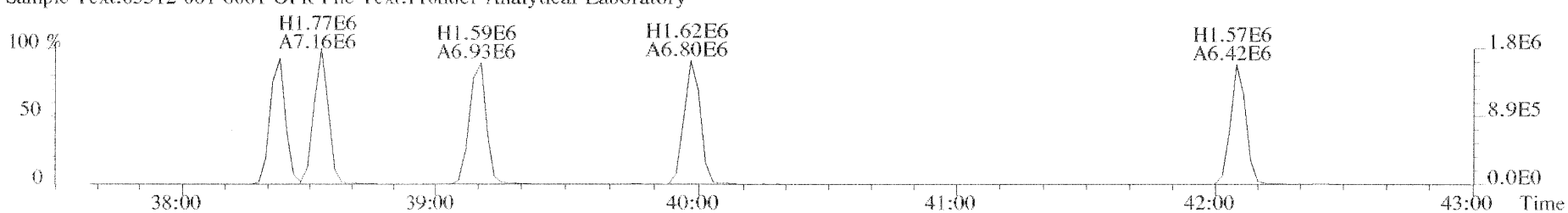
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



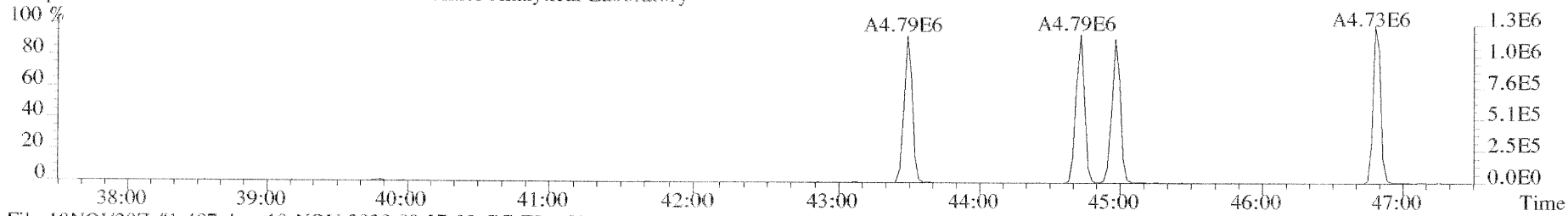
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



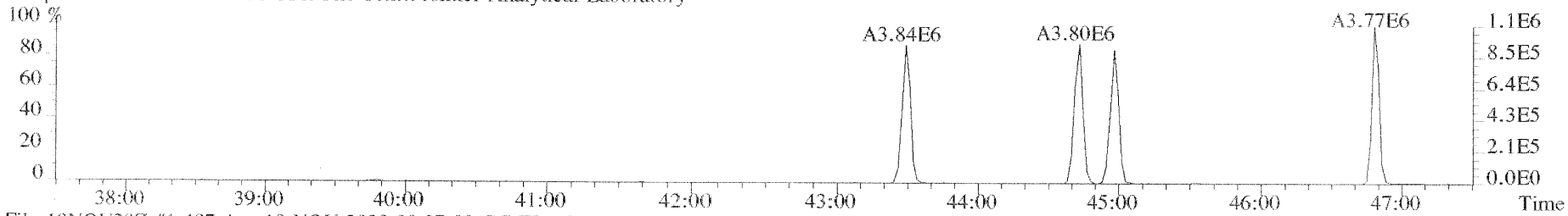
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



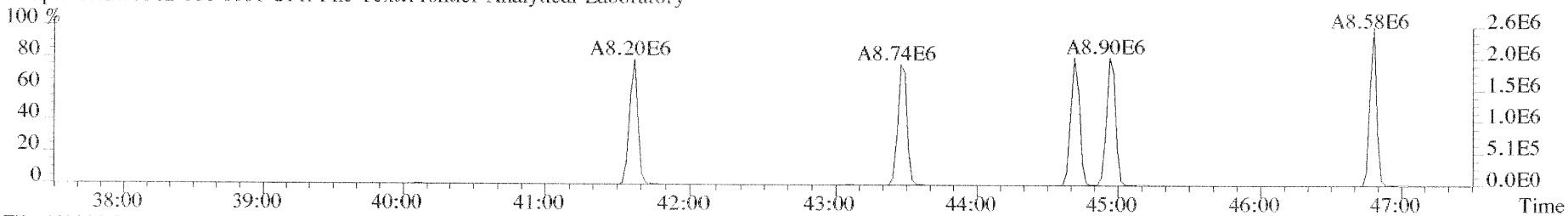
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



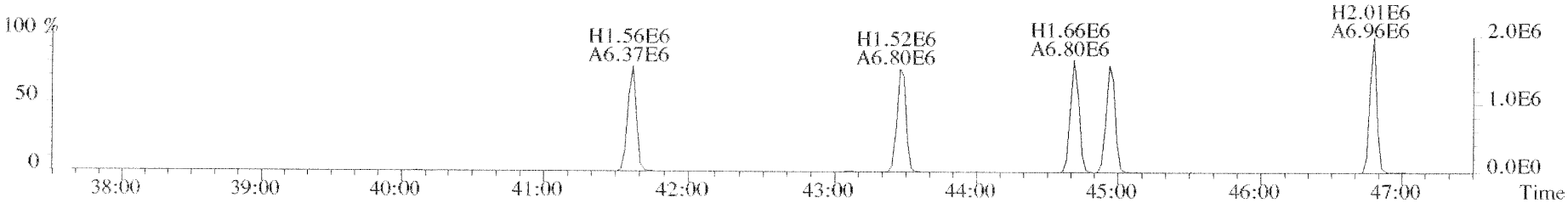
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



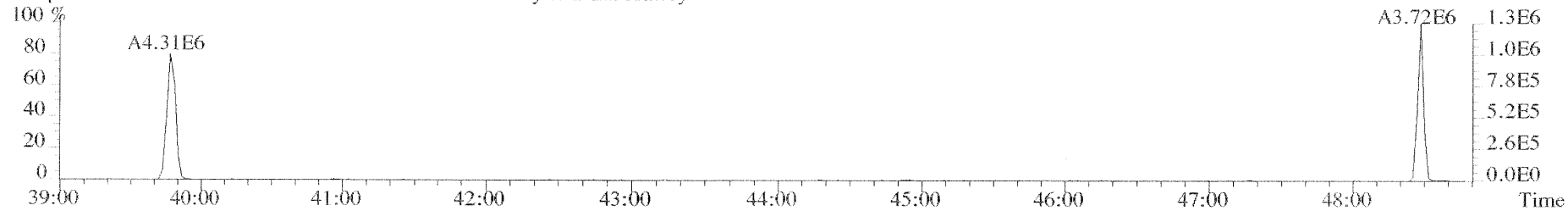
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



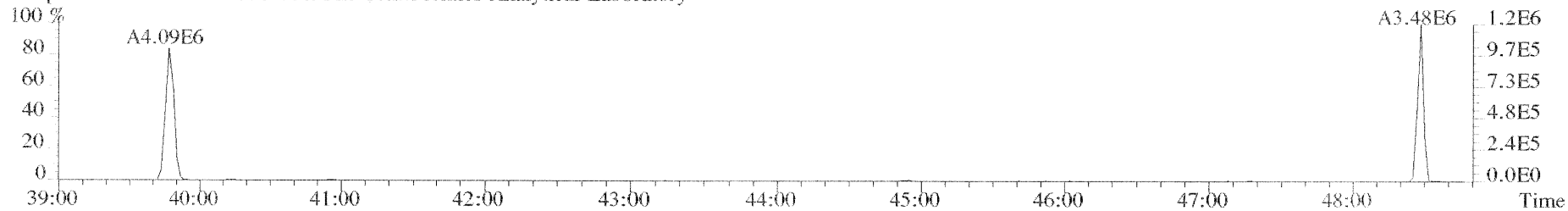
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



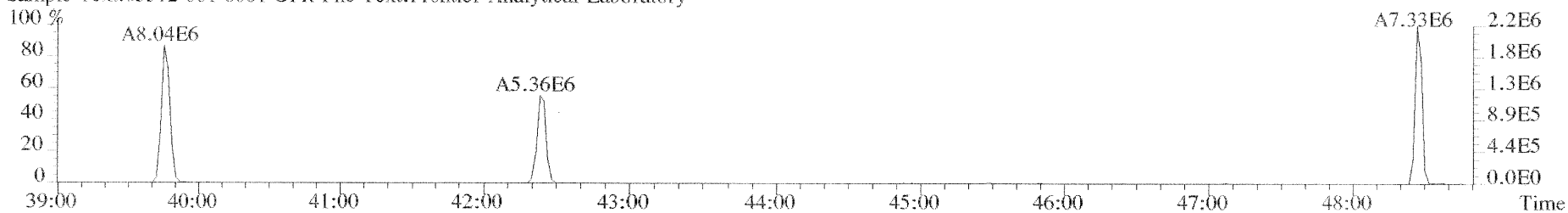
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



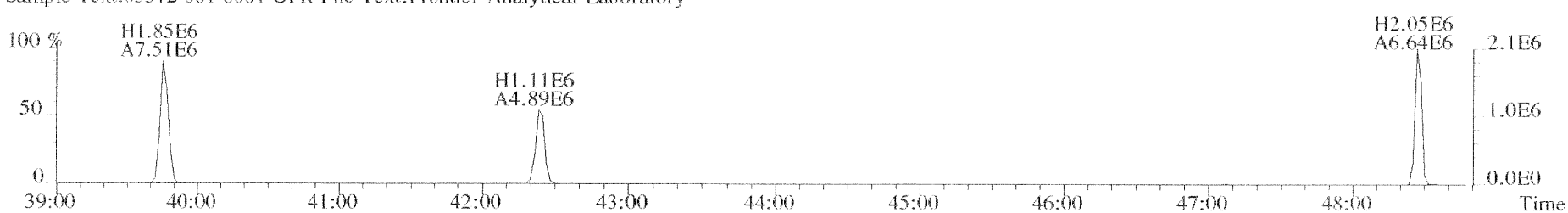
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



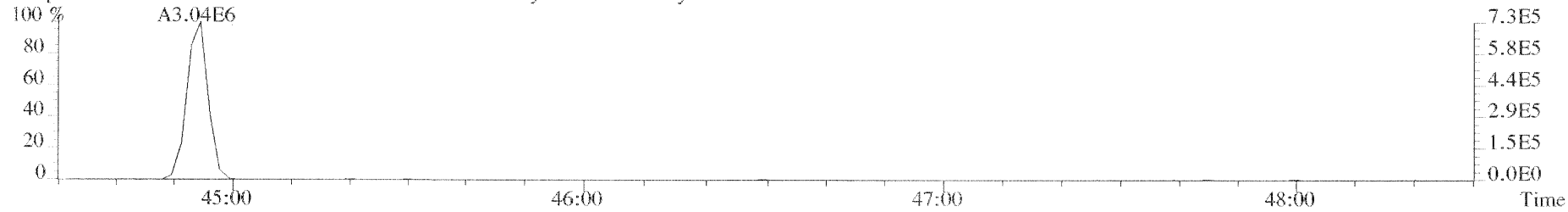
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



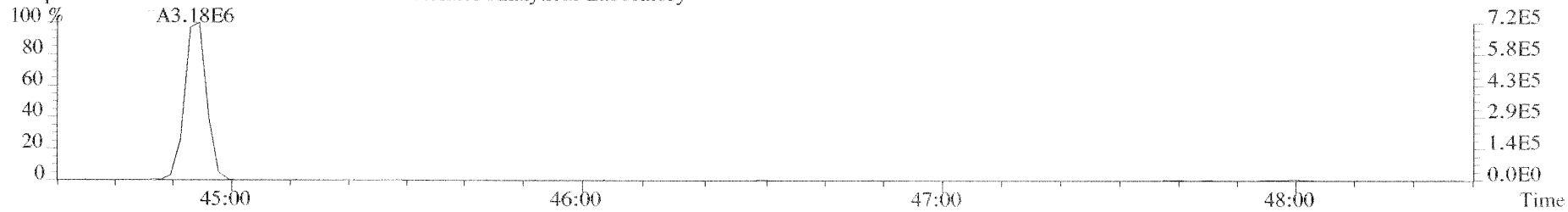
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



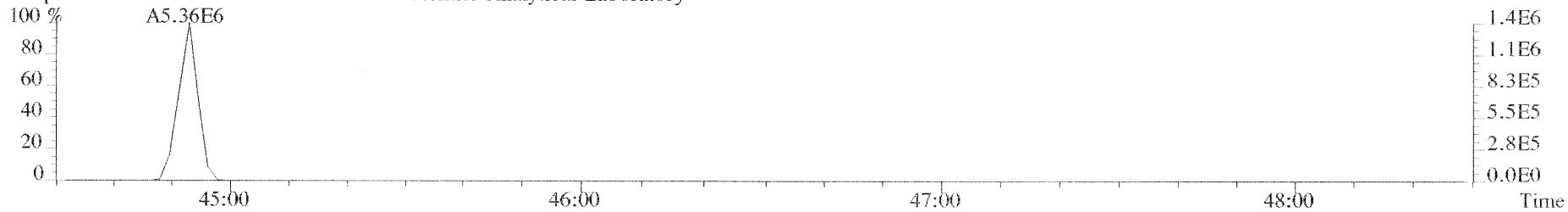
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



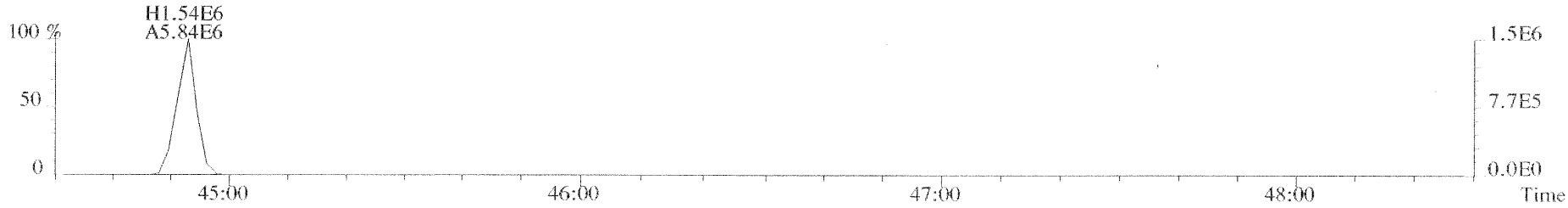
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



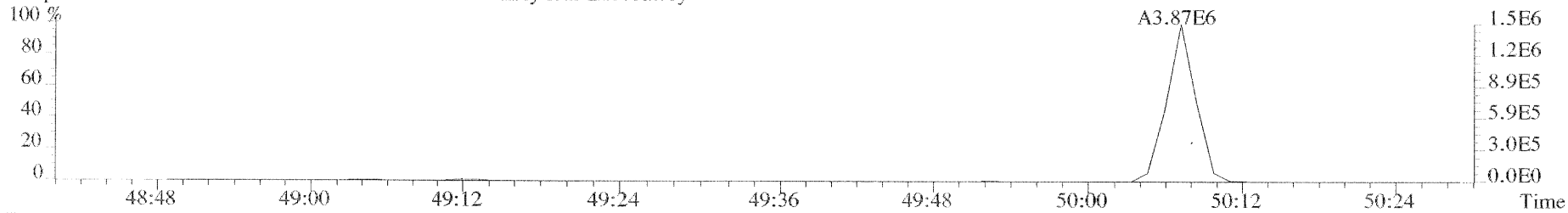
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



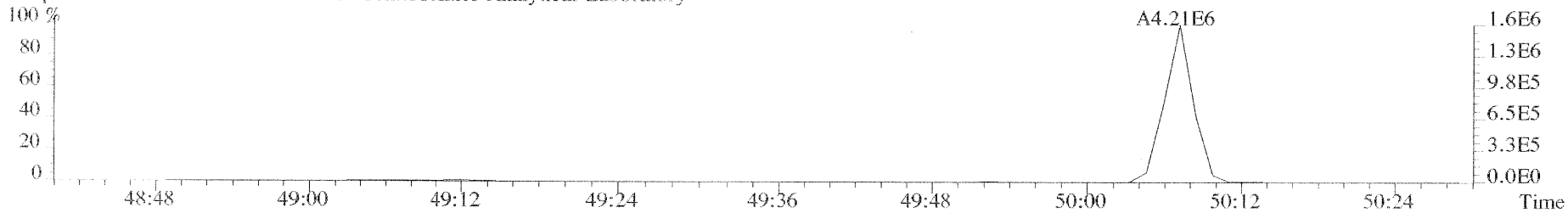
File:10NOV20Z #1-407 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



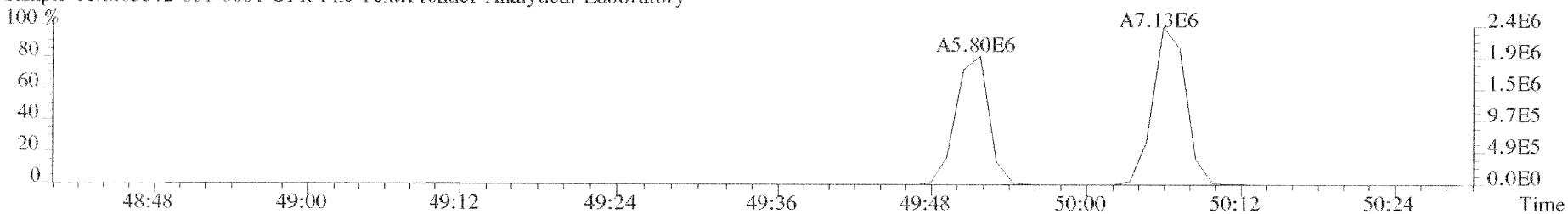
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



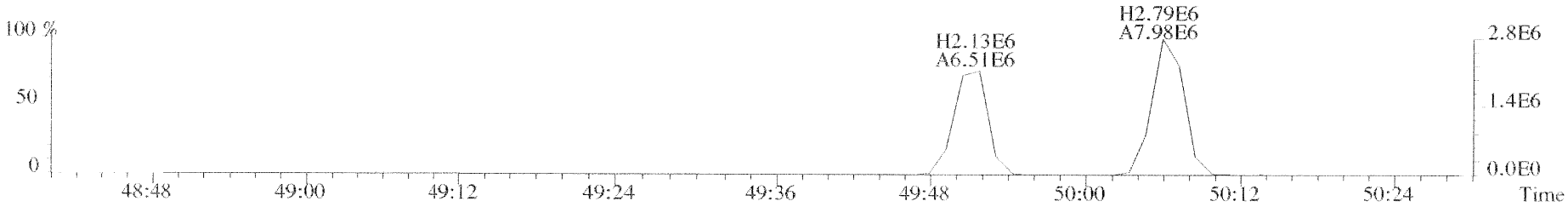
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



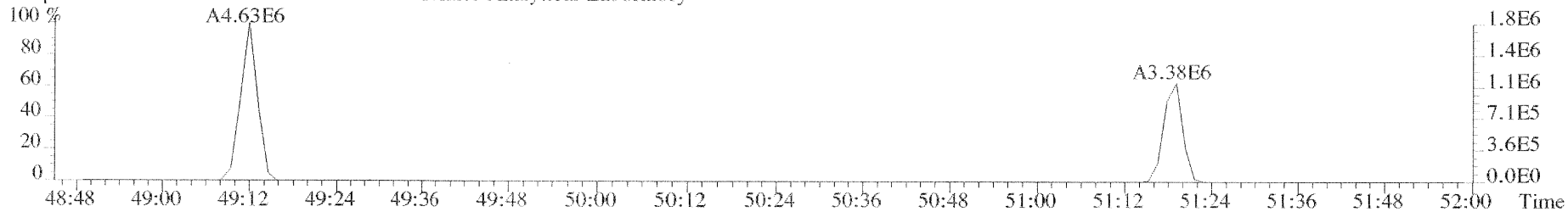
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



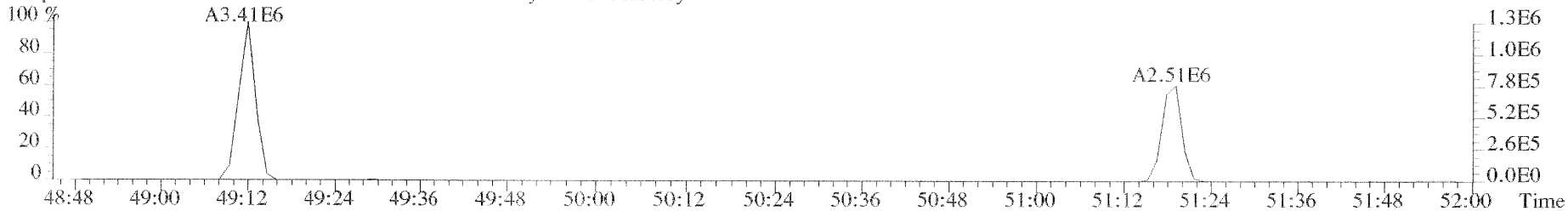
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



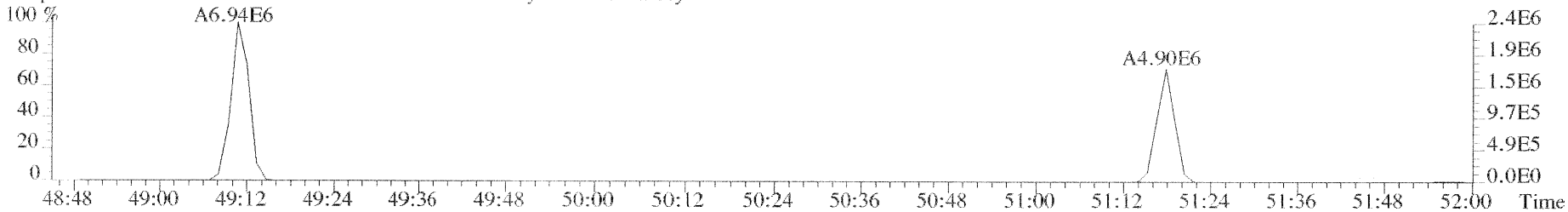
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



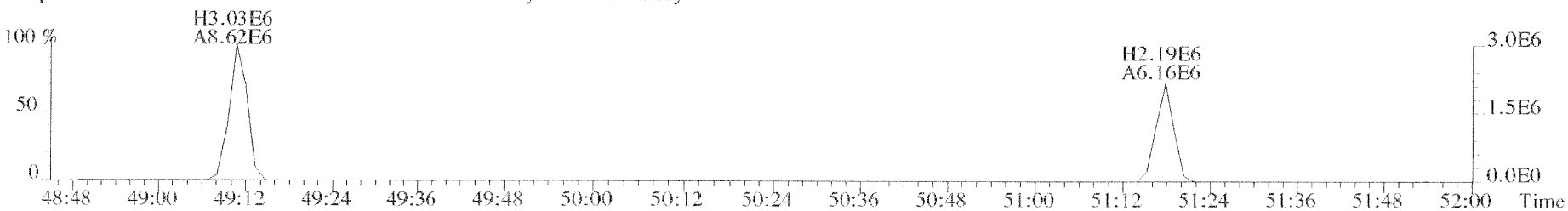
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



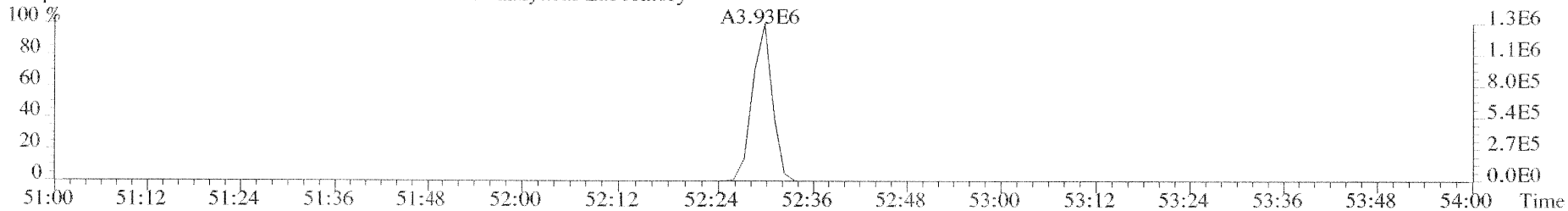
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



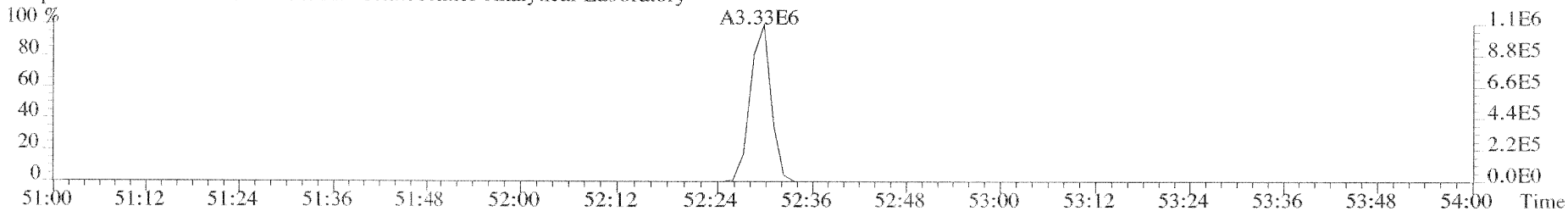
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



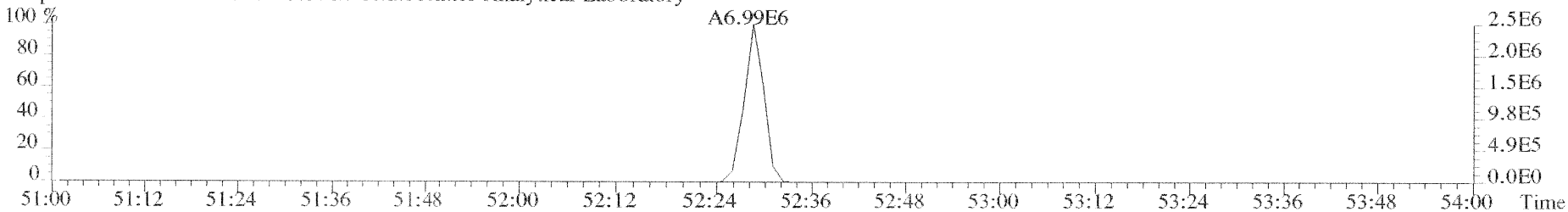
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



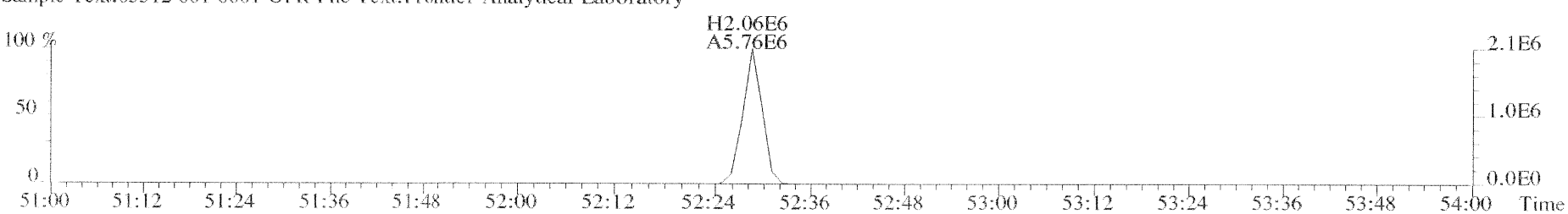
File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 08:27:09 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05512-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13417-001-0001-SA Filename: 10NOV20Z Sam:9 Acquired: 10-NOV-20 15:16:03 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-SS ConCal: ST11102021 EndCal: ST11102022
Results: 13380-7A GC Column: DB1MS Amount: 10.03

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.49e+05	3.25 y	14:34	1.23	3.80		-	-	*			
13C-PCB-1	3.17e+07	3.22 y	14:33	0.89	765					76.8	9.30e+06	2.90e+06
PCB-2	4.39e+04	2.95 y	16:48	1.25	1.07	J	-	-	*			
PCB-3	1.64e+05	2.92 y	16:60	1.21	4.01		-	-	*			
13C-PCB-3	3.37e+07	3.28 y	16:59	0.87	832					83.4	9.19e+06	2.72e+06
PCB-4	4.63e+05	1.51 y	18:16	0.97	17.2		-	-	*			
PCB-10	5.81e+04	1.45 y	18:18	1.52	0.973	J	-	-	*			
13C-PCB-4	2.76e+07	1.57 y	18:14	0.65	904					90.7	5.60e+06	3.60e+06
PCB-9	1.62e+05	1.47 y	19:57	1.41	2.92		-	-	*			
PCB-7	1.62e+05	1.47 y	19:58	1.43	2.89		-	-	*			
PCB-6	9.95e+05	1.45 y	20:34	1.32	19.2		-	-	*			
PCB-8	4.11e+06	1.44 y	20:56	1.38	76.1		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		540	3420	0.608			
PCB-14	*	* n	NotFnd	1.39	*		540	3420	0.588			
PCB-11	2.78e+05	1.37 y	23:07	1.24	5.72		-	-	*			
PCB-13	2.58e+05	1.47 y	23:28	1.29	5.10		-	-	*			
PCB-12	2.17e+05	1.44 y	23:29	1.32	4.21		-	-	*			
PCB-15	3.32e+06	1.38 y	23:48	1.18	55.2		-	-	*			
13C-PCB-15	5.07e+07	1.61 y	23:46	0.96	1130					113	9.05e+06	5.59e+06
PCB-19	2.40e+05	1.07 y	22:09	1.35	10.1		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1600	936	0.575			
PCB-18	2.52e+06	1.12 y	23:42	1.34	107		-	-	*			
PCB-17	1.36e+06	1.09 y	23:52	1.48	52.4		-	-	*			
PCB-27	2.21e+05	1.10 y	24:23	1.94	6.52		-	-	*			
PCB-24	2.42e+05	1.10 y	24:24	1.93	7.17		-	-	*			
PCB-16	1.13e+06	1.13 y	24:53	1.64	39.5		-	-	*			
PCB-32	1.23e+06	1.18 y	24:55	1.69	41.6		-	-	*			
13C-PCB-19	1.74e+07	1.15 y	22:08	0.45	838					84.1	2.86e+06	2.61e+06
13C-PCB-9	4.65e+07	1.61 y	19:55	-	6.42							
PCB-34	5.49e+04	1.10 y	25:41	1.27	1.19	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1020	930	0.540			
PCB-29	7.11e+04	1.12 y	25:59	1.30	1.50	J	-	-	*			
PCB-26	2.09e+06	1.09 y	26:10	1.22	47.4		-	-	*			
PCB-25	1.15e+06	1.10 y	26:19	1.21	26.2		-	-	*			
PCB-31	8.45e+06	1.08 y	26:40	1.18	197		-	-	*			
PCB-28	1.21e+07	1.10 y	26:46	1.51	221		-	-	*			
PCB-20	5.51e+06	1.06 y	27:21	1.21	125		-	-	*		Co-elute PCB 21/33	
PCB-21	5.51e+06	1.06 y	27:21	1.21	125		-	-	*		Co-elute PCB 20/33	
PCB-33	5.51e+06	1.06 y	27:21	1.21	125		-	-	*		Co-elute PCB 20/21	
PCB-22	3.03e+06	1.12 y	27:45	1.40	59.9		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		1020	930	0.575			
PCB-39	*	* n	NotFnd	1.21	*		1020	930	0.587			
PCB-38	*	* n	NotFnd	1.17	*		1020	930	0.606			
PCB-35	1.98e+05	1.13 y	30:06	1.14	4.80		-	-	*			
PCB-37	3.06e+06	1.18 y	30:33	1.20	70.4		-	-	*			
13C-PCB-37	3.61e+07	1.05 y	30:32	1.40	1110					111	3.52e+06	3.34e+06

PCB-54	3.14e+04	0.69	y	25:41	1.24	0.964	J	-	-	*			
PCB-50	2.09e+04	0.82	y	26:48	0.92	0.871	J	-	-	*			
PCB-53	7.31e+05	0.73	y	27:24	0.91	30.5		-	-	*			
PCB-51	2.71e+05	0.68	y	27:44	0.98	10.5		-	-	*			
PCB-45	5.90e+05	0.71	y	28:08	0.79	28.4		-	-	*			
PCB-46	2.32e+05	0.76	y	28:36	0.78	11.4		-	-	*			
PCB-52	6.56e+06	0.79	y	29:04	0.91	274		-	-	*	Co-elute PCB 69		
PCB-69	6.56e+06	0.79	y	29:04	0.91	274		-	-	*	Co-elute PCB 52		
PCB-73	9.47e+04	0.74	y	29:09	1.23	2.94		-	-	*			
PCB-43	4.05e+06	0.77	y	29:21	0.82	187		-	-	*	Co-elute PCB 49		
PCB-49	4.05e+06	0.77	y	29:21	0.82	187		-	-	*	Co-elute PCB 43		
PCB-47	1.61e+06	0.79	y	29:33	0.90	67.9		-	-	*			
PCB-48	1.05e+06	0.76	y	29:40	1.05	37.8		-	-	*	Co-elute PCB 75		
PCB-75	1.05e+06	0.76	y	29:40	1.05	37.8		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*		654	987	0.530			
PCB-62	*	*	n	NotFnd	1.12	*		654	987	0.514			
PCB-44	3.46e+06	0.80	y	30:22	0.73	180		-	-	*			
PCB-42	1.71e+06	0.78	y	30:37	0.96	67.9		-	-	*	Co-elute PCB 59		
PCB-59	1.71e+06	0.78	y	30:37	0.96	67.9		-	-	*	Co-elute PCB 42		
PCB-72	4.01e+06	0.78	y	31:13	1.05	146		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.01e+06	0.78	y	31:13	1.05	146		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.01e+06	0.78	y	31:13	1.05	146		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.01e+06	0.78	y	31:13	1.05	146		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.26e+04	0.82	y	31:21	1.28	1.27	J	-	-	*			
PCB-40	5.33e+05	0.83	y	31:33	0.69	29.5		-	-	*			
PCB-57	5.00e+04	0.87	y	31:52	1.13	1.69	J	-	-	*			
PCB-67	2.72e+05	0.72	y	32:10	1.17	8.87		-	-	*			
PCB-58	2.87e+04	0.70	y	32:15	1.13	0.970	J	-	-	*			
PCB-63	2.84e+05	0.73	y	32:25	1.13	9.54		-	-	*			
PCB-74	3.81e+06	0.77	y	32:41	1.15	126		-	-	*			
PCB-61	8.11e+06	0.77	y	32:52	1.06	291		-	-	*	Co-elute PCB 70		
PCB-70	8.11e+06	0.77	y	32:52	1.06	291		-	-	*	Co-elute PCB 61		
PCB-76	7.84e+06	0.77	y	33:04	1.21	248		-	-	*	Co-elute PCB 66		
PCB-66	7.84e+06	0.77	y	33:04	1.21	248		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*		654	987	0.421			
PCB-55	2.06e+05	0.71	y	33:33	1.19	6.58		-	-	*			
13C-PCB-54	2.62e+07	0.81	y	25:40	1.24	904					90.7	3.17e+06	3.94e+06
PCB-104	*	*	n	NotFnd	1.14	*		276	380	0.393			
PCB-96	5.63e+04	1.72	y	31:25	1.10	2.70		-	-	*			
PCB-103	1.21e+05	1.53	y	31:52	0.90	7.08		-	-	*			
PCB-100	6.98e+04	1.58	y	32:12	0.91	4.05		-	-	*			
PCB-94	3.54e+04	1.42	y	32:39	0.76	2.46		-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*		276	380	0.574	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*		276	380	0.574	Co-elute PCB 98		
PCB-95	5.53e+06	1.53	y	33:09	0.84	347		-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*		276	380	0.573			
PCB-88	1.08e+06	1.58	y	33:32	0.89	64.2		-	-	*	Co-elute PCB 91		
PCB-91	1.08e+06	1.58	y	33:32	0.89	64.2		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*		276	380	0.458			
13C-PCB-104	1.89e+07	1.60	y	30:11	0.98	827					83.0	2.30e+06	1.36e+06
13C-PCB-28	4.57e+07	1.06	y	26:45	1.74	1130					113	6.42e+06	5.88e+06
13C-PCB-52	2.32e+07	0.80	y	29:02	-	5.95							

PCB-56	5.97e+06	0.81	y	34:02	1.23	128		-	-	*			Co-elute PCB 60
PCB-60	5.97e+06	0.81	y	34:02	1.23	128		-	-	*			Co-elute PCB 56
PCB-79	1.78e+05	0.70	y	35:04	1.25	3.72		-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*		1010	1740	0.627			
PCB-81	2.91e+05	0.76	y	36:14	1.25	6.34		-	-	*			
13C-PCB-81	3.65e+07	0.80	y	36:12	1.33	1280					128	3.77e+06	4.67e+06
PCB-77	1.11e+06	0.81	y	36:46	1.11	25.1		-	-	*			
13C-PCB-77	3.96e+07	0.79	y	36:45	1.39	1330					133	4.17e+06	5.18e+06
PCB-155	*	*	n	NotFnd	1.10	*		820	560	0.552			
PCB-150	5.02e+04	1.10	y	35:30	1.04	2.08		-	-	*			
PCB-152	*	*	n	NotFnd	1.01	*		820	560	0.604			
PCB-145	*	*	n	NotFnd	1.02	*		820	560	0.594			
PCB-136	1.63e+06	1.28	y	36:40	0.99	70.6		-	-	*			
PCB-148	*	*	n	NotFnd	0.78	*		820	560	0.780			
PCB-154	2.19e+05	1.23	y	37:14	0.88	10.7		-	-	*			
13C-PCB-155	2.32e+07	1.30	y	34:17	1.18	915					91.8	3.23e+06	2.45e+06
13C-PCB-111	2.44e+07	1.59	y	36:21	1.26	903					90.6	3.36e+06	2.13e+06
13C-PCB-101	2.14e+07	1.64	y	34:43	-	6.06							
PCB-84	3.53e+06	1.62	y	34:23	0.78	131		-	-	*			Co-elute PCB 92
PCB-92	3.53e+06	1.62	y	34:23	0.78	131		-	-	*			Co-elute PCB 84
PCB-89	9.47e+04	1.75	y	34:33	0.77	3.57		-	-	*			
PCB-90	1.02e+07	1.60	y	34:45	0.85	345		-	-	*			Co-elute PCB 101
PCB-101	1.02e+07	1.60	y	34:45	0.85	345		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.96	*		870	852	0.575			
PCB-99	4.78e+06	1.58	y	35:04	0.94	147		-	-	*			
PCB-119	3.65e+05	1.58	y	35:29	1.06	9.95		-	-	*			
PCB-83	4.28e+05	1.56	y	35:39	0.88	14.1		-	-	*			Co-elute PCB 112
PCB-112	4.28e+05	1.56	y	35:39	0.88	14.1		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.04	*		870	852	0.533			
PCB-97	2.66e+06	1.54	y	35:58	0.73	105		-	-	*			
PCB-86	*	*	n	NotFnd	0.76	*		870	852	0.727			
PCB-125	3.96e+06	1.59	y	36:14	0.94	122		-	-	*			Co-elute PCB 87/117
PCB-87	3.96e+06	1.59	y	36:14	0.94	122		-	-	*			Co-elute PCB 125/117
PCB-117	3.96e+06	1.59	y	36:14	0.94	122		-	-	*			Co-elute PCB 125/87
PCB-111	2.14e+05	1.59	y	36:23	1.06	5.83		-	-	*			Co-elute PCB 115
PCB-115	2.14e+05	1.59	y	36:23	1.06	5.83		-	-	*			Co-elute PCB 111
PCB-85	1.63e+06	1.60	y	36:30	0.96	49.1		-	-	*			Co-elute PCB 116
PCB-116	1.63e+06	1.60	y	36:30	0.96	49.1		-	-	*			Co-elute PCB 85
PCB-120	3.24e+04	1.43	y	36:44	1.14	0.825	J	-	-	*			
PCB-110	1.23e+07	1.53	y	36:52	1.09	327		-	-	*			
PCB-82	8.57e+05	1.67	y	37:27	0.66	37.9		-	-	*			
PCB-124	6.06e+05	1.57	y	38:06	1.19	14.8		-	-	*			
PCB-108	9.82e+05	1.54	y	38:16	1.14	25.0		-	-	*			Co-elute PCB 107
PCB-107	9.82e+05	1.54	y	38:16	1.14	25.0		-	-	*			Co-elute PCB 108
PCB-123	2.44e+05	1.66	y	38:24	1.09	6.76		-	-	*			
13C-PCB-123	3.31e+07	1.58	y	38:24	1.22	1140					115	4.35e+06	2.70e+06
PCB-118	1.29e+07	1.61	y	38:36	1.13	326		-	-	*			Co-elute PCB 106
PCB-106	1.29e+07	1.61	y	38:36	1.13	326		-	-	*			Co-elute PCB 118
13C-PCB-118	3.50e+07	1.60	y	38:34	1.30	1130					113	5.14e+06	3.21e+06
PCB-114	3.29e+05	1.71	y	39:12	1.21	7.72		-	-	*			
13C-PCB-114	3.51e+07	1.61	y	39:12	1.29	1150					115	4.71e+06	2.89e+06
PCB-122	1.78e+05	1.67	y	39:20	1.13	4.56		-	-	*			
PCB-105	5.50e+06	1.55	y	40:01	1.18	135		-	-	*			
13C-PCB-105	3.44e+07	1.61	y	39:60	1.27	1140					114	5.02e+06	3.13e+06

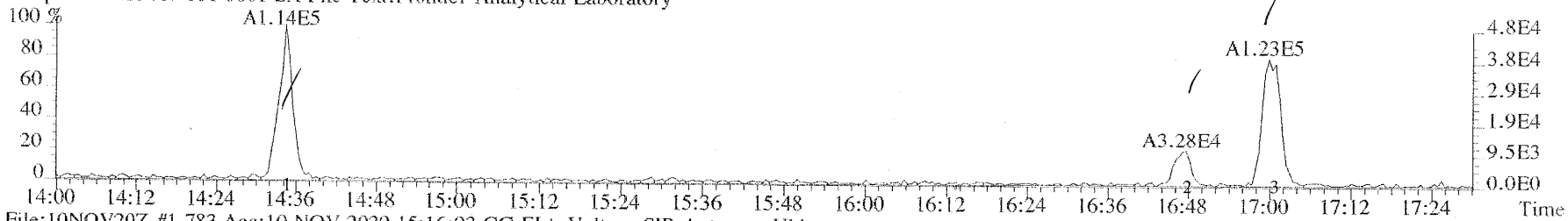
PCB-127	*	*	n	NotFnd	1.10	*		1210	1000	0.648			
PCB-126	9.23e+04	1.59	y	42:08	1.15	2.41		-	-	*			
13C-PCB-126	3.33e+07	1.59	y	42:06	1.16	1210					121	4.64e+06	2.90e+06
PCB-151	2.93e+06	1.24	y	37:51	0.93	114		-	-	*			
PCB-135	1.63e+06	1.24	y	38:04	0.95	61.8		-	-	*			
PCB-144	6.54e+05	1.30	y	38:09	0.96	24.7		-	-	*			
PCB-147	2.82e+05	1.26	y	38:18	1.01	10.2		-	-	*			
PCB-139	1.14e+07	1.29	y	38:32	1.01	409		-	-	*	Co-elute PCB 149		
PCB-149	1.14e+07	1.29	y	38:32	1.01	409		-	-	*	Co-elute PCB 139		
PCB-140	1.07e+05	1.25	y	38:42	1.04	3.72		-	-	*			
PCB-143	6.65e+05	1.24	y	39:09	0.87	27.8		-	-	*	Co-elute PCB 134		
PCB-134	6.65e+05	1.24	y	39:09	0.87	27.8		-	-	*	Co-elute PCB 143		
PCB-131	3.81e+05	1.27	y	39:23	0.88	15.7		-	-	*	Co-elute PCB 133		
PCB-133	3.81e+05	1.27	y	39:23	0.88	15.7		-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*		987	786	0.771			
PCB-165	2.27e+06	1.24	y	39:46	1.14	72.0		-	-	*	Co-elute PCB 146		
PCB-146	2.27e+06	1.24	y	39:46	1.14	72.0		-	-	*	Co-elute PCB 165		
PCB-161	3.85e+06	1.29	y	40:01	1.11	126		-	-	*	Co-elute PCB 132		
PCB-132	3.85e+06	1.29	y	40:01	1.11	126		-	-	*	Co-elute PCB 161		
PCB-153	1.55e+07	1.28	y	40:09	1.12	501		-	-	*			
PCB-168	*	*	n	NotFnd	1.25	*		987	786	0.548			
PCB-141	2.44e+06	1.25	y	40:51	0.97	91.0		-	-	*			
PCB-137	5.43e+05	1.20	y	41:14	1.02	19.3		-	-	*			
PCB-130	8.21e+05	1.27	y	41:19	0.82	36.5		-	-	*			
PCB-138	1.66e+07	1.25	y	41:40	1.14	528		-	-	*	Co-elute PCB 163/164		
PCB-163	1.66e+07	1.25	y	41:40	1.14	528		-	-	*	Co-elute PCB 138/164		
PCB-164	1.66e+07	1.25	y	41:40	1.14	528		-	-	*	Co-elute PCB 138/163		
PCB-158	1.99e+06	1.28	y	41:53	1.26	57.3		-	-	*	Co-elute PCB 160		
PCB-160	1.99e+06	1.28	y	41:53	1.26	57.3		-	-	*	Co-elute PCB 158		
PCB-129	4.90e+05	1.22	y	42:08	0.83	21.3		-	-	*			
PCB-166	6.24e+04	1.25	y	42:34	1.22	1.85	J	-	-	*			
PCB-159	2.09e+05	1.20	y	42:56	1.28	5.92		-	-	*			
PCB-128	2.33e+06	1.23	y	43:07	1.08	78.5		-	-	*	Co-elute PCB 162		
PCB-162	2.33e+06	1.23	y	43:07	1.08	78.5		-	-	*	Co-elute PCB 128		
PCB-167	7.58e+05	1.34	y	43:30	1.19	22.3		-	-	*			
13C-PCB-167	2.86e+07	1.30	y	43:29	1.13	1070					107	3.47e+06	2.62e+06
PCB-156	1.82e+06	1.28	y	44:44	1.21	54.2		-	-	*			
13C-PCB-156	2.75e+07	1.30	y	44:43	1.09	1060					107	3.61e+06	2.73e+06
PCB-157	3.74e+05	1.33	y	44:59	1.19	11.5		-	-	*			
13C-PCB-157	2.73e+07	1.32	y	44:58	1.09	1050					105	3.53e+06	2.65e+06
PCB-169	*	*	n	NotFnd	1.12	*		987	786	0.536			
13C-PCB-169	2.68e+07	1.29	y	46:49	1.04	1080					109	4.20e+06	3.19e+06

FAL ID: 13417-001-0001-SA Filename: 10NOV20Z Sam:9 Acquired: 10-NOV-20 15:16:03 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR-SS ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13380-7A GC Column: DB1MS Amount: 10.03

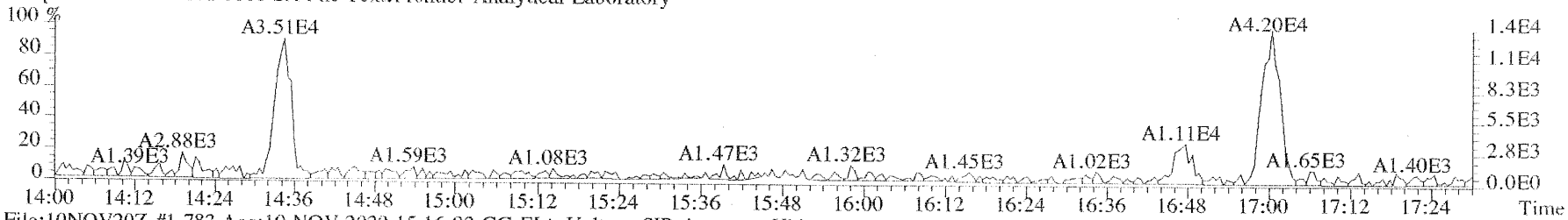
PCB-188	*	*	n	NotFnd	1.09	*	510	472	0.424			
13C-PCB-188	2.10e+07	1.09	y	39:46	1.06	833				83.6	2.74e+06	2.54e+06
PCB-184	*	*	n	NotFnd	1.27	*	510	472	0.340			
PCB-179	1.76e+06	1.04	y	40:57	1.20	73.4	-	-	*			
PCB-176	5.67e+05	1.06	y	41:24	1.15	24.5	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	510	472	0.369			
PCB-178	6.55e+05	1.05	y	42:26	0.84	38.7	-	-	*			
PCB-175	1.48e+05	1.03	y	42:47	0.88	8.34	-	-	*			
PCB-187	4.16e+06	1.04	y	42:54	0.93	222	-	-	*		Co-elute PCB 182	
PCB-182	4.16e+06	1.04	y	42:54	0.93	222	-	-	*		Co-elute PCB 187	
PCB-183	2.08e+06	1.07	y	43:14	0.94	110	-	-	*			
PCB-185	3.54e+05	1.02	y	43:52	0.87	20.4	-	-	*			
PCB-174	2.85e+06	1.04	y	44:11	0.79	179	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	510	472	0.465			
PCB-177	1.63e+06	1.06	y	44:26	0.82	99.5	-	-	*			
PCB-171	8.46e+05	0.99	y	44:44	0.87	48.2	-	-	*			
PCB-173	7.13e+04	1.08	y	45:07	0.76	4.65	-	-	*			
PCB-172	4.58e+05	1.03	y	45:32	0.80	28.6	-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*	510	472	0.409			
PCB-180	5.70e+06	1.08	y	45:52	0.82	345	-	-	*			
PCB-193	4.45e+05	1.00	y	46:02	1.13	19.6	-	-	*			
PCB-191	1.79e+05	1.17	y	46:15	1.14	7.86	-	-	*			
PCB-170	2.71e+06	1.01	y	47:09	0.78	173	-	-	*			
PCB-190	7.37e+05	1.10	y	47:17	1.05	34.9	-	-	*			
PCB-189	1.42e+05	1.03	y	48:30	1.09	6.84	-	-	*			
13C-PCB-189	1.90e+07	1.10	y	48:28	0.89	900				90.3	3.20e+06	2.91e+06
PCB-202	3.15e+05	0.93	y	44:54	1.11	18.1	-	-	*			
PCB-201	2.50e+05	0.90	y	45:22	1.20	13.3	-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*	456	489	0.543			
PCB-197	7.02e+04	0.85	y	45:47	1.27	3.53	-	-	*			
PCB-200	2.01e+05	0.91	y	46:30	1.24	10.4	-	-	*			
PCB-198	6.01e+04	0.84	y	47:39	0.90	4.24	-	-	*			
PCB-199	1.20e+06	0.96	y	47:45	0.84	91.3	-	-	*			
PCB-203	1.46e+06	0.93	y	48:00	0.96	97.2	-	-	*		Co-elute PCB 196	
PCB-196	1.46e+06	0.93	y	48:00	0.96	97.2	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.56e+07	0.89	y	44:54	0.75	874				87.6	1.79e+06	1.84e+06
13C-PCB-178	1.57e+07	1.11	y	42:24	0.80	820				82.3	1.91e+06	1.76e+06
13C-PCB-138	2.37e+07	1.29	y	41:38	-	6.53						
PCB-195	7.18e+05	0.91	y	49:05	0.88	35.4	-	-	*			
PCB-194	1.68e+06	0.91	y	49:53	0.87	84.6	-	-	*			
PCB-205	1.43e+05	0.91	y	50:08	1.08	5.77	-	-	*			
13C-PCB-205	2.29e+07	0.88	y	50:07	1.26	1010				101	3.65e+06	4.27e+06
PCB-208	2.63e+05	1.38	y	49:13	1.08	11.7	-	-	*			
13C-PCB-208	2.07e+07	0.80	y	49:12	1.27	897				90.0	3.20e+06	4.00e+06
PCB-207	1.20e+05	1.18	y	49:30	1.25	5.55	-	-	*			
PCB-206	6.42e+05	1.33	y	51:19	1.11	41.7	-	-	*			
13C-PCB-206	1.38e+07	0.81	y	51:19	0.87	883				88.6	2.10e+06	2.55e+06
PCB-209	2.78e+05	1.18	y	52:31	1.19	15.4	-	-	*			
13C-PCB-209	1.50e+07	1.20	y	52:29	1.01	824				82.7	2.55e+06	2.14e+06
13C-PCB-194	1.80e+07	0.91	y	49:52	-	6.21						

Analyst: _____ Date: 11/18/20

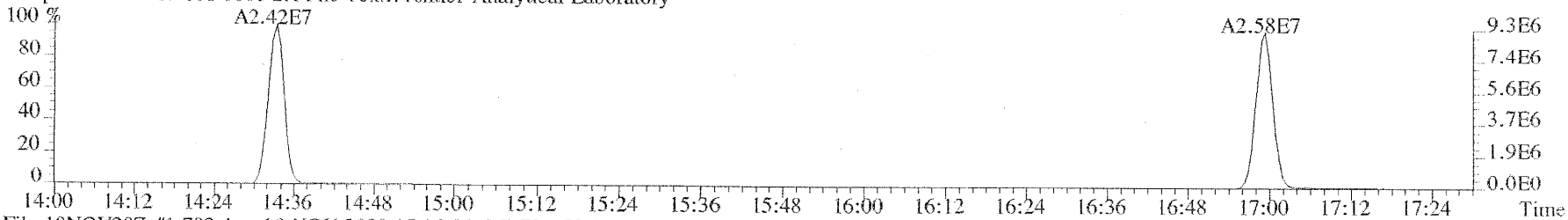
File:10NOV20Z #1-783 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



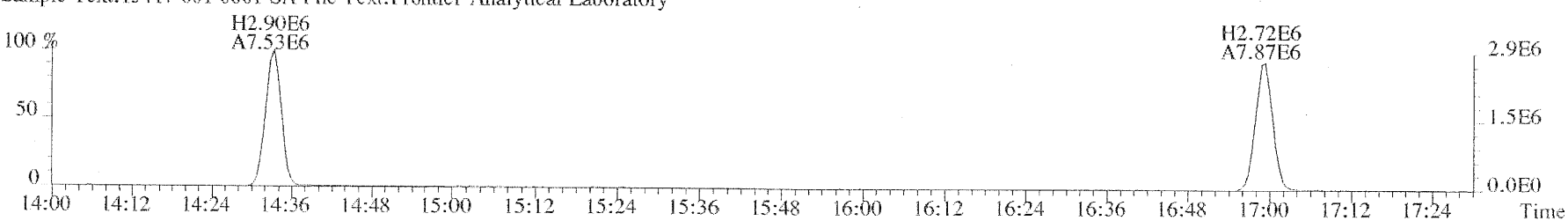
File:10NOV20Z #1-783 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



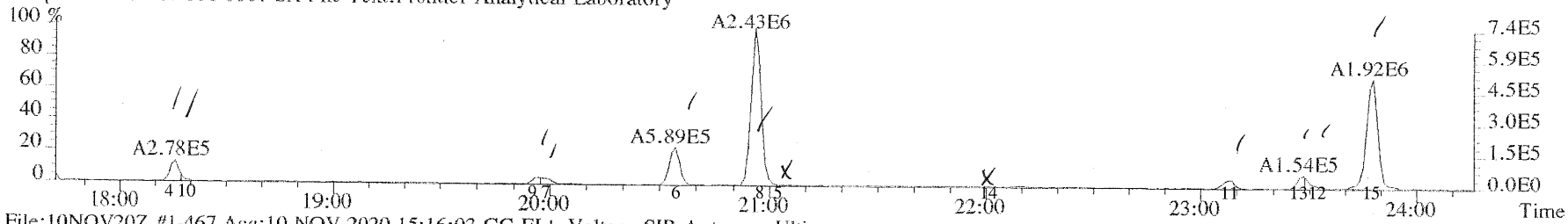
File:10NOV20Z #1-783 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



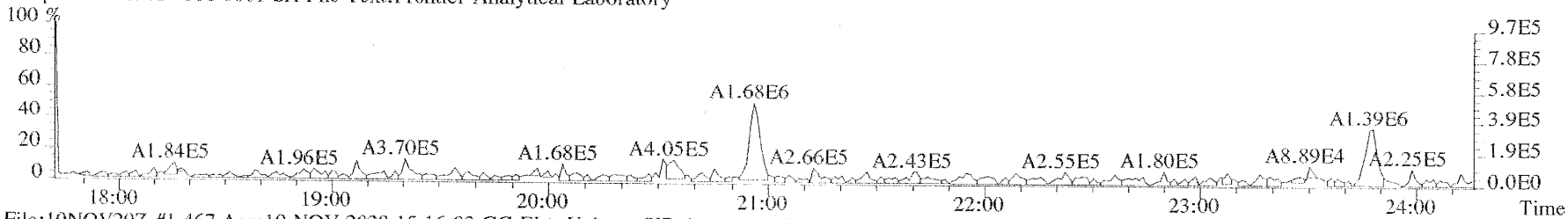
File:10NOV20Z #1-783 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



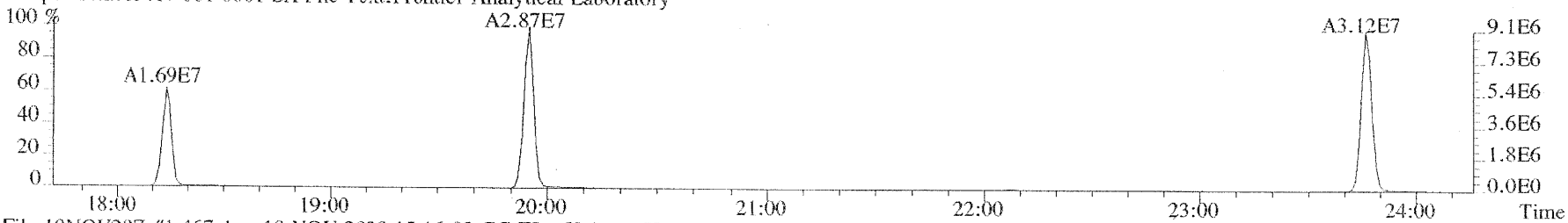
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



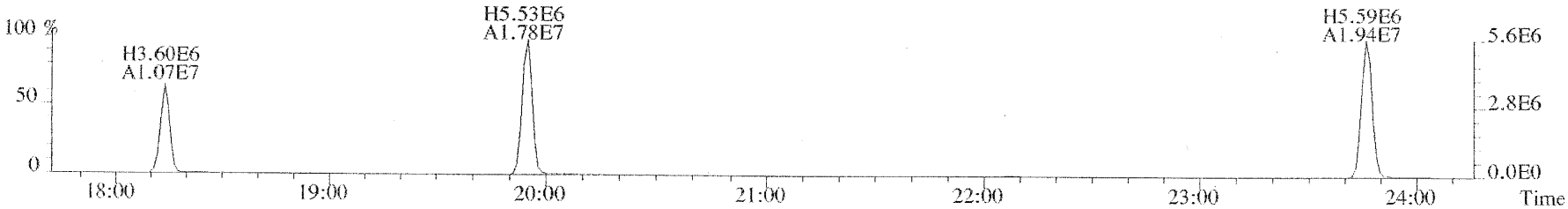
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



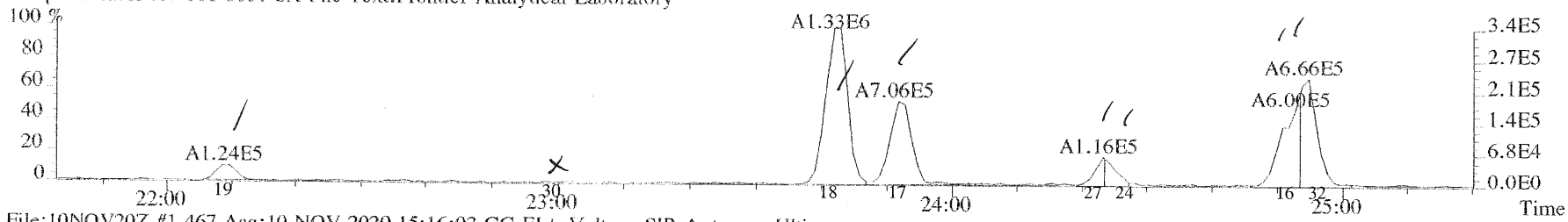
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



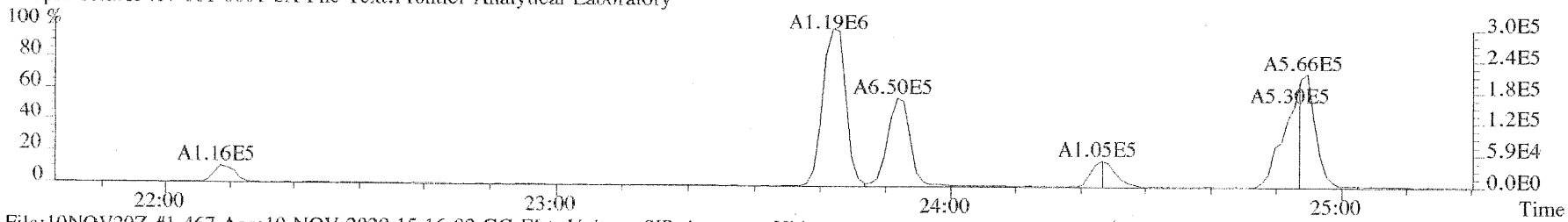
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



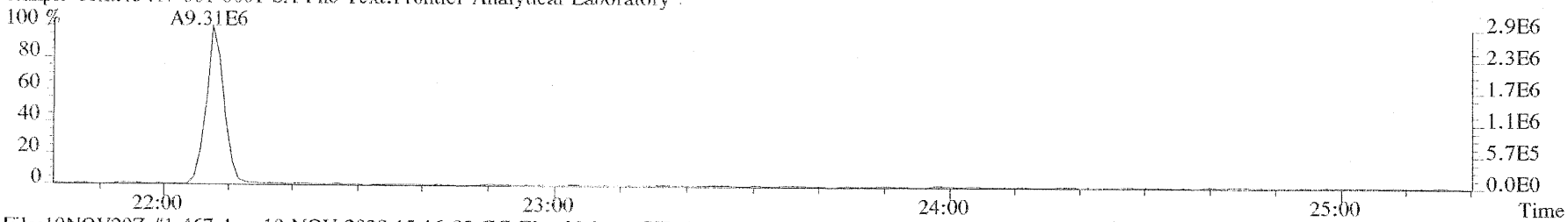
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



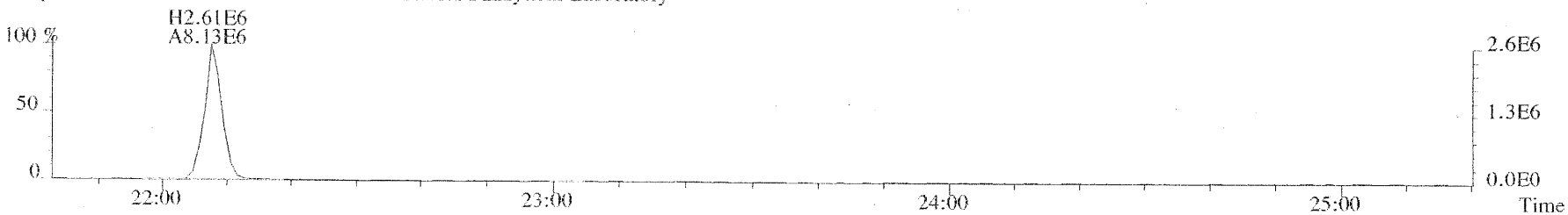
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



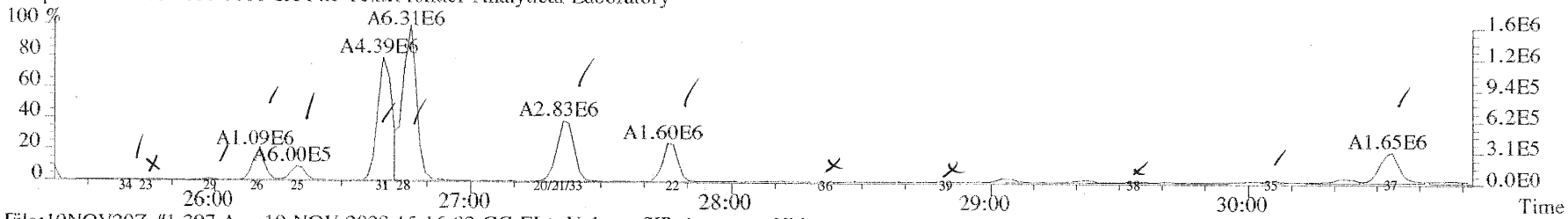
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



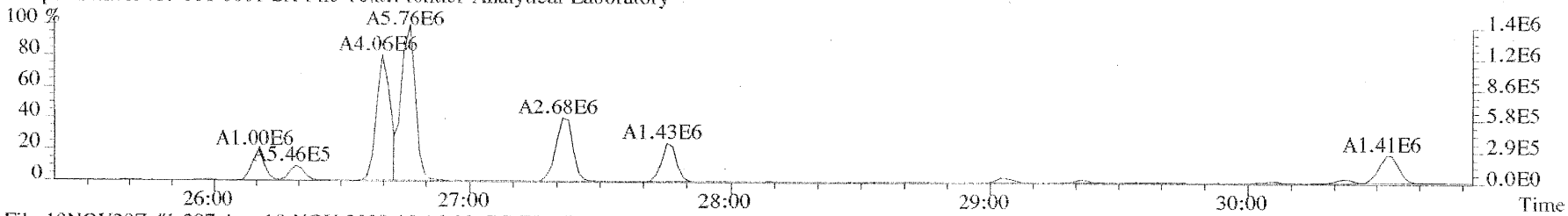
File:10NOV20Z #1-467 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



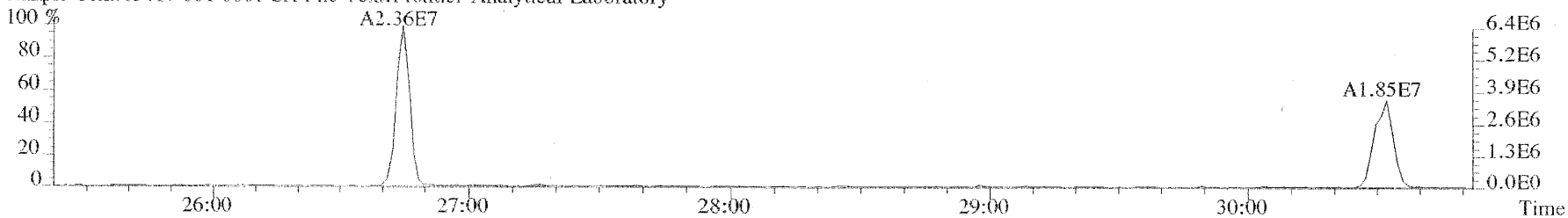
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



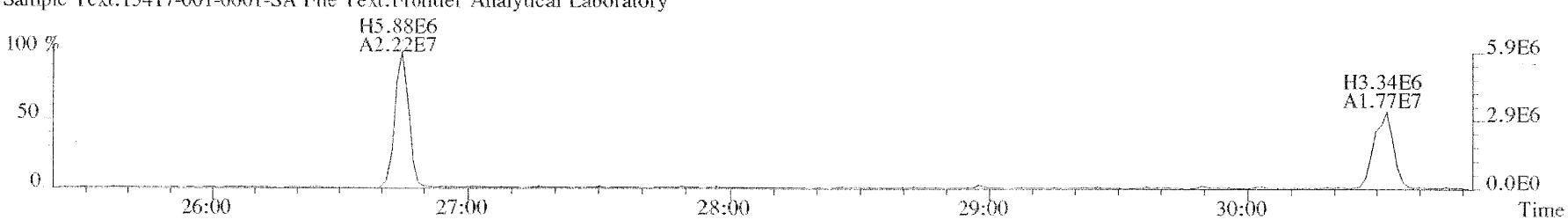
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



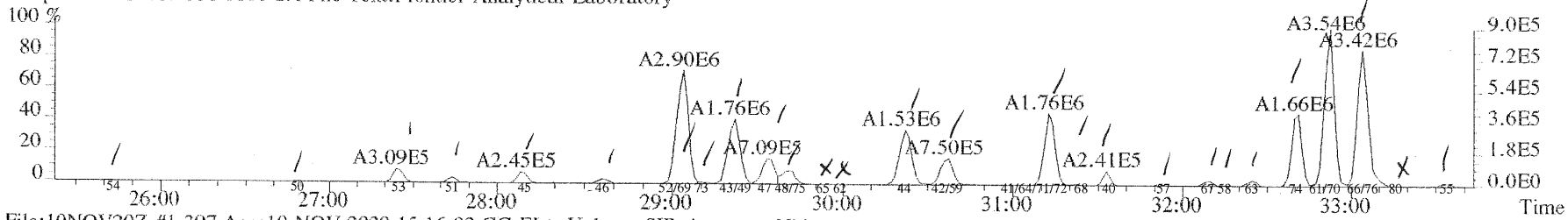
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



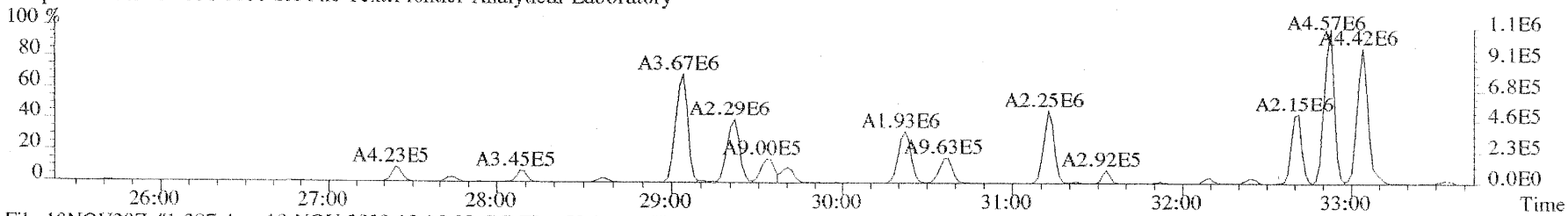
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



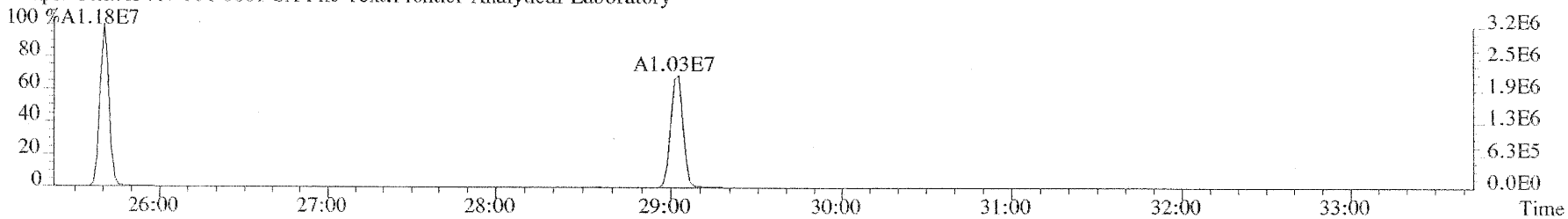
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



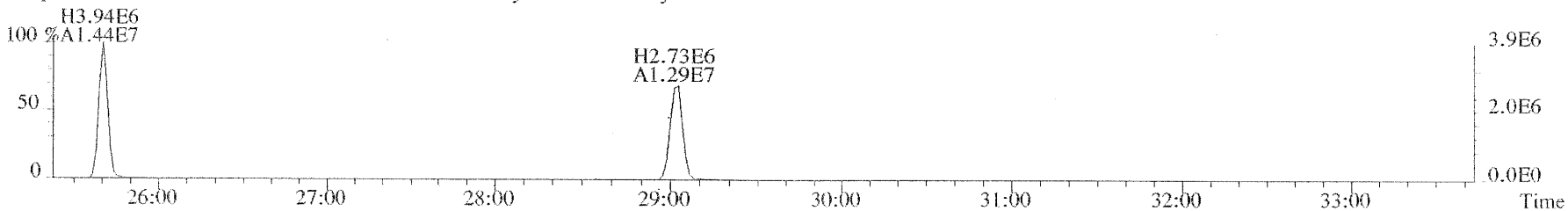
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



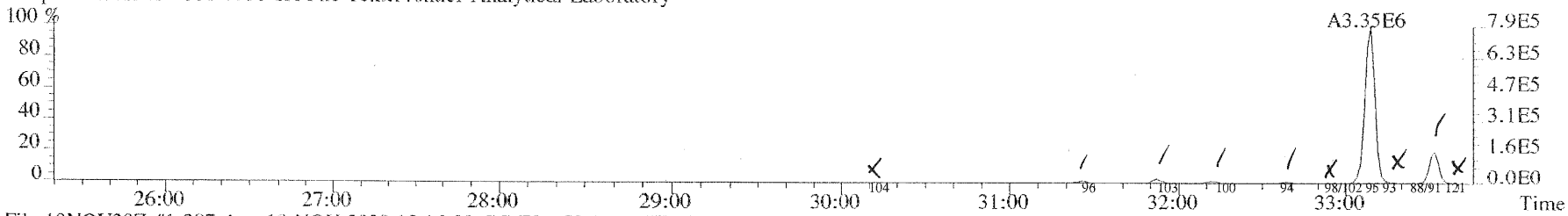
File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-397 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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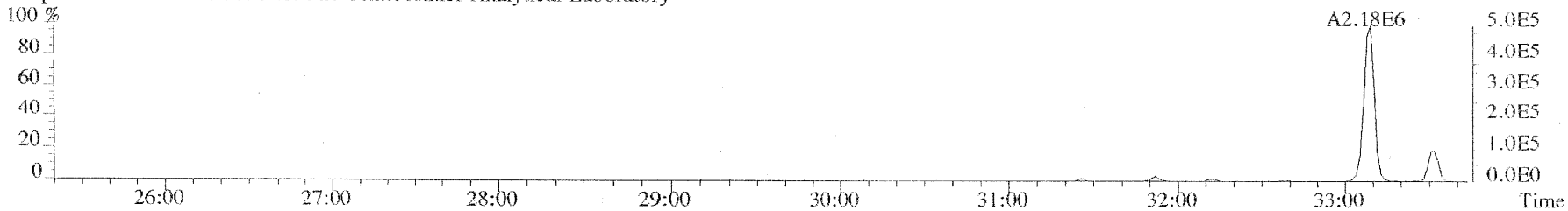
327.8775 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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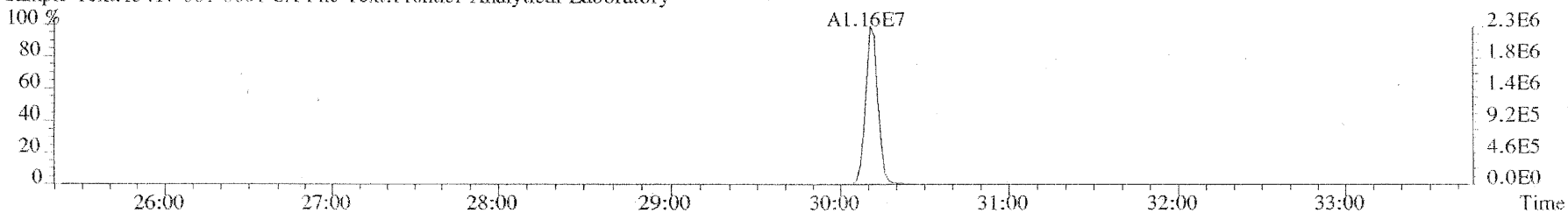
337.9207 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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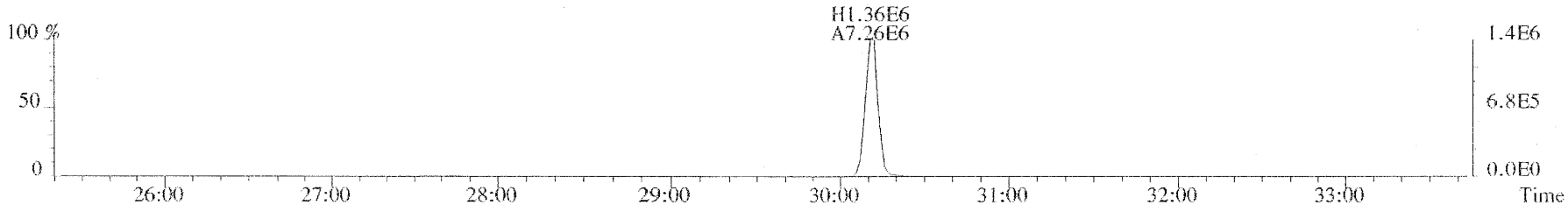
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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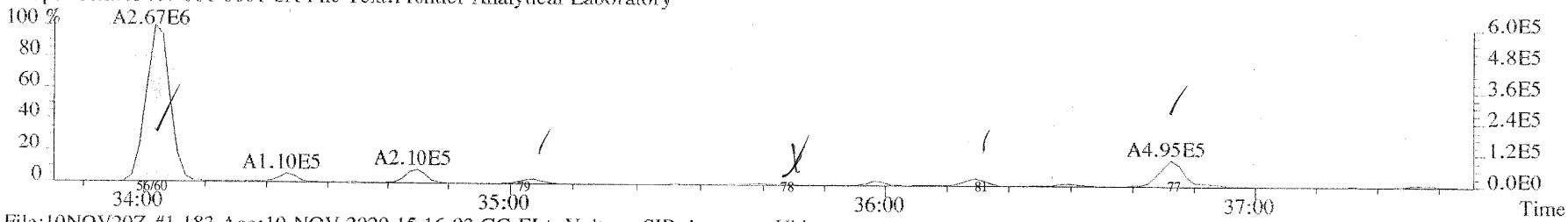
289.9224 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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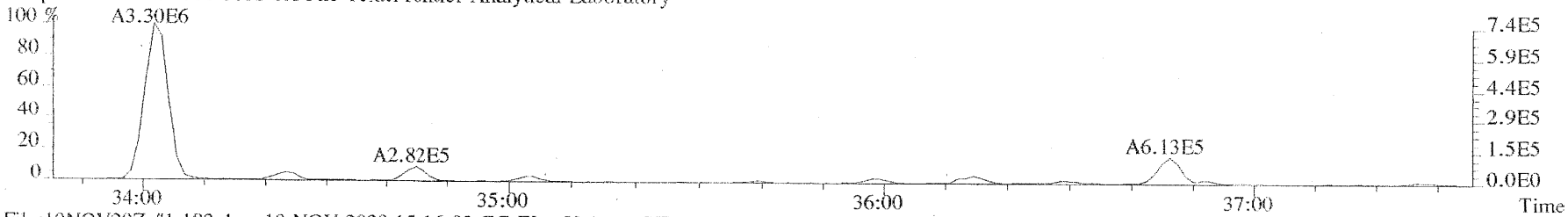
291.9194 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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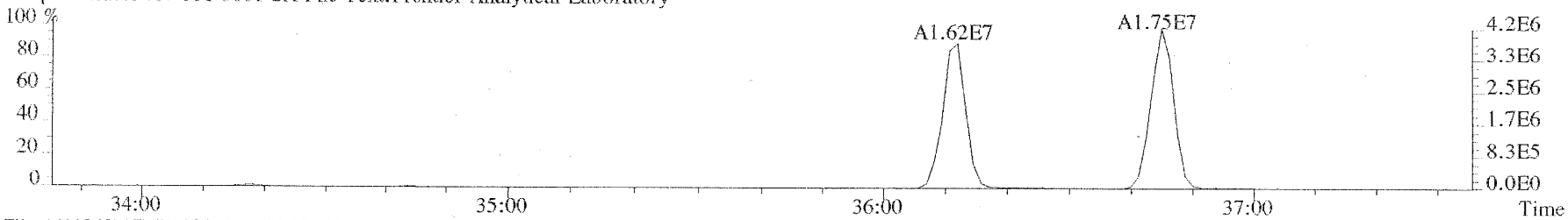
301.9626 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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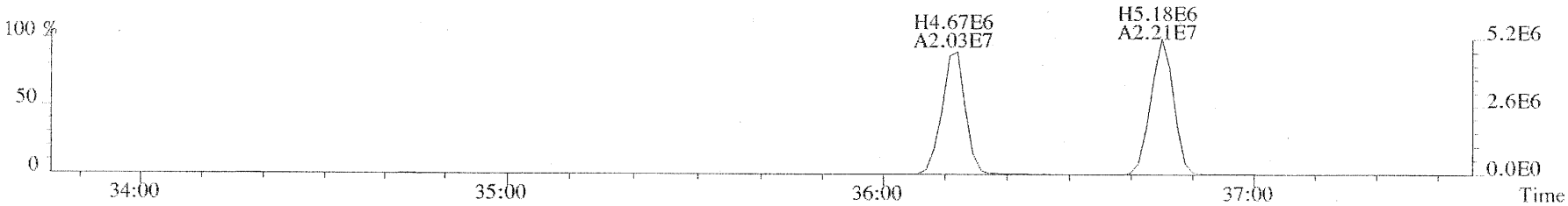
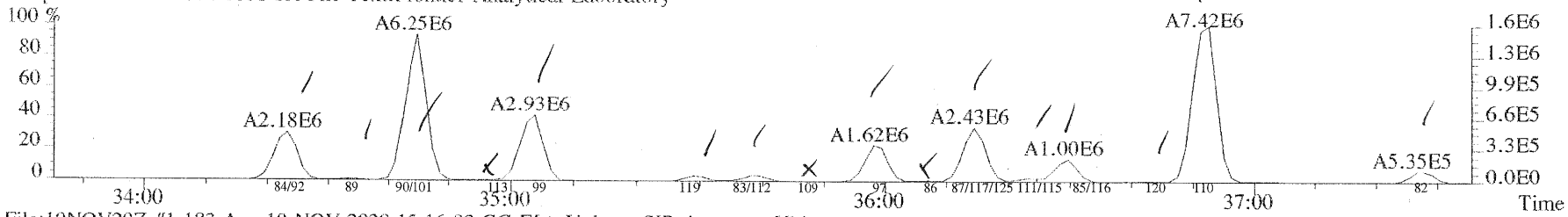
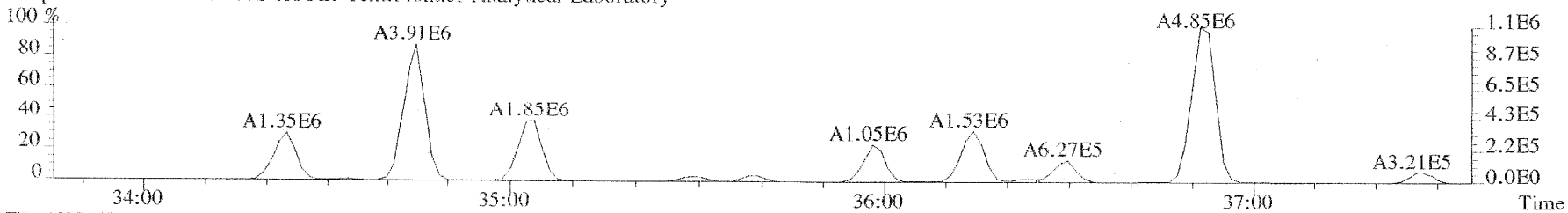
303.9597 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



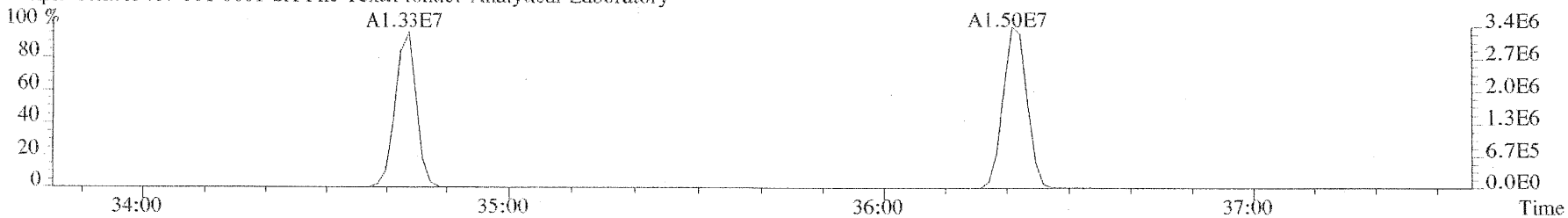
File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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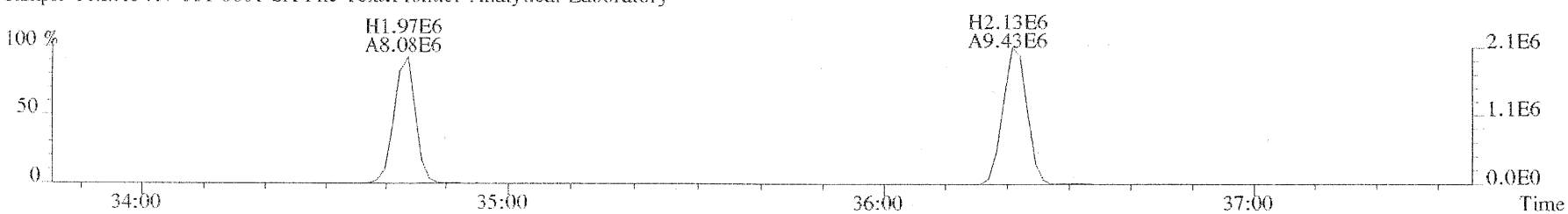
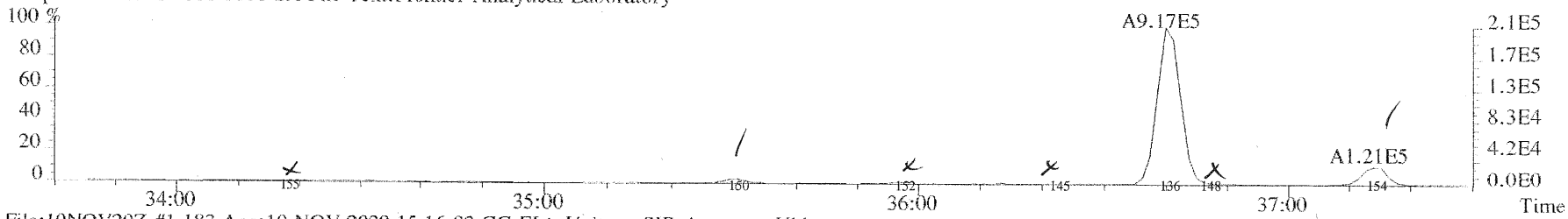
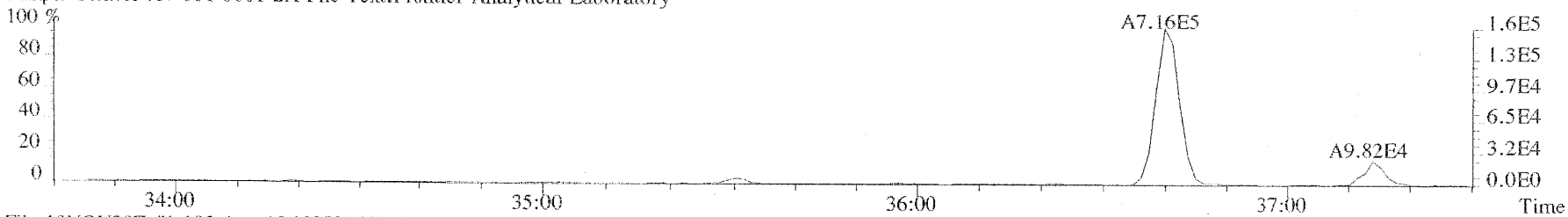
339.9178 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



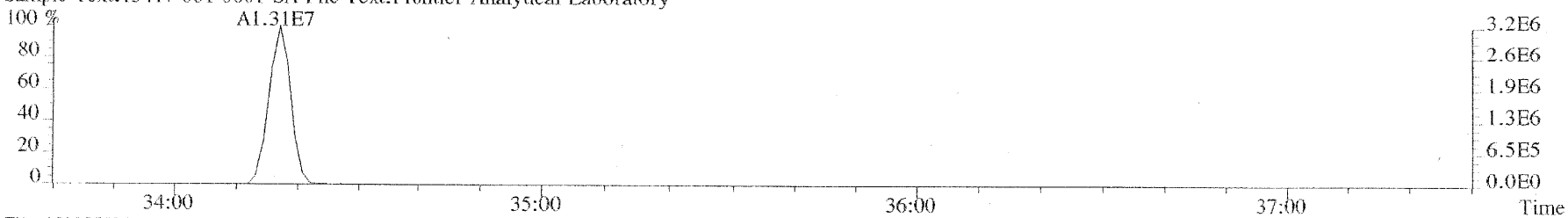
File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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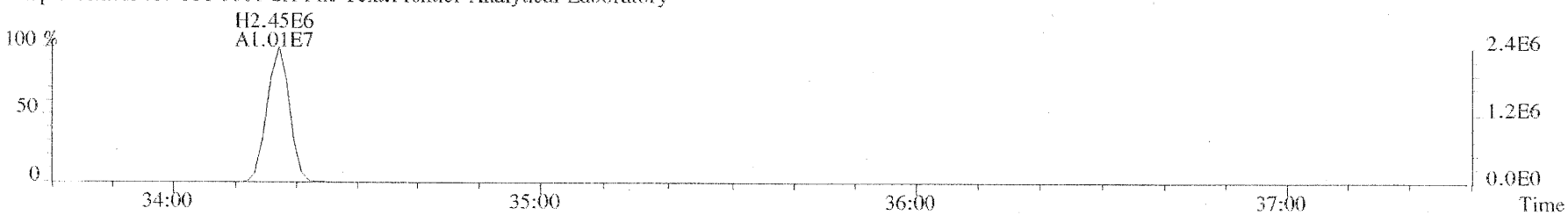
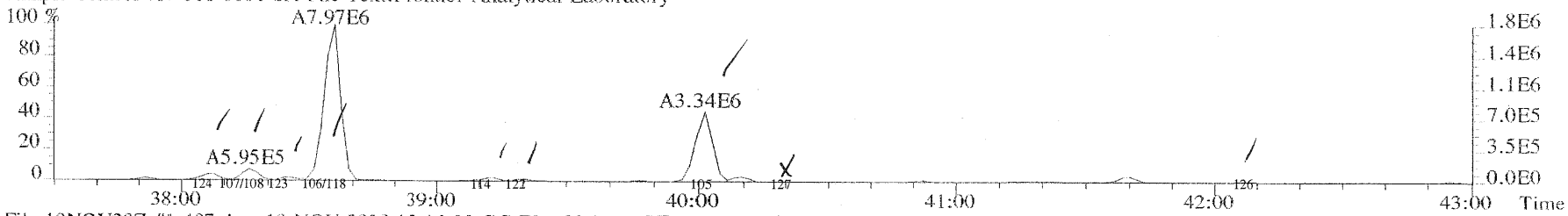
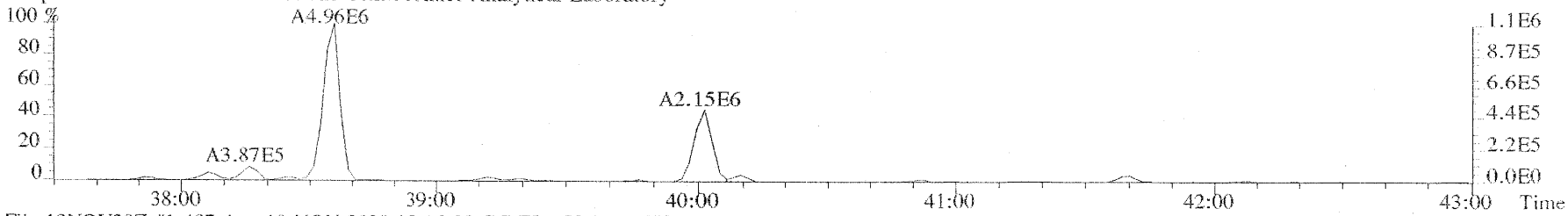
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



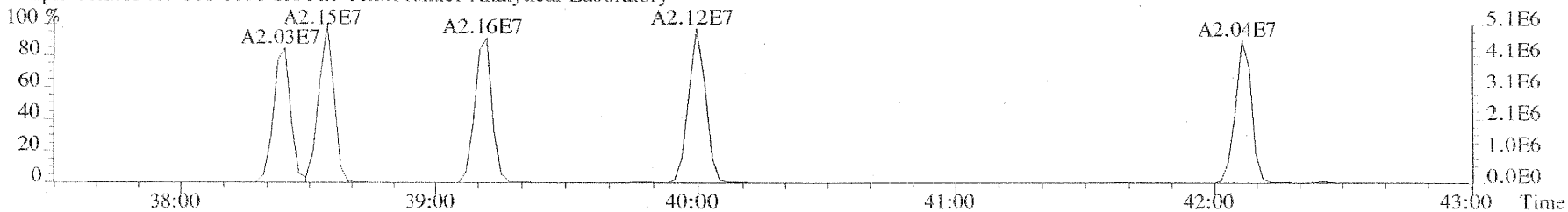
File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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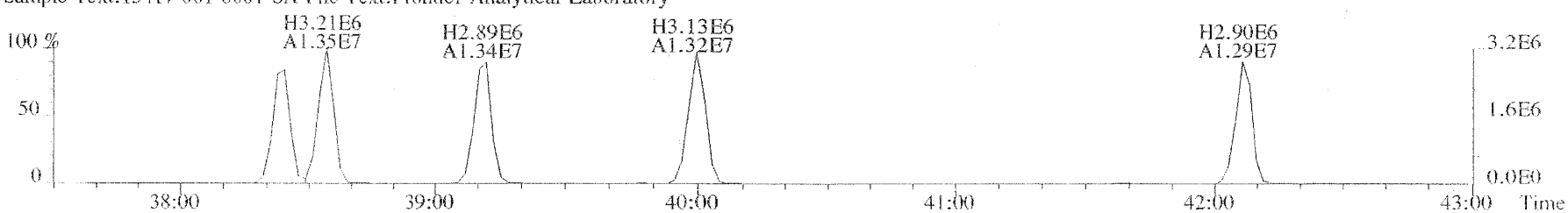
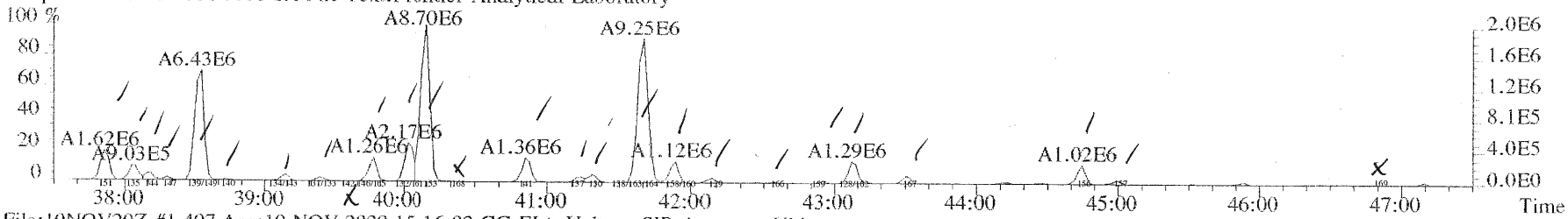


File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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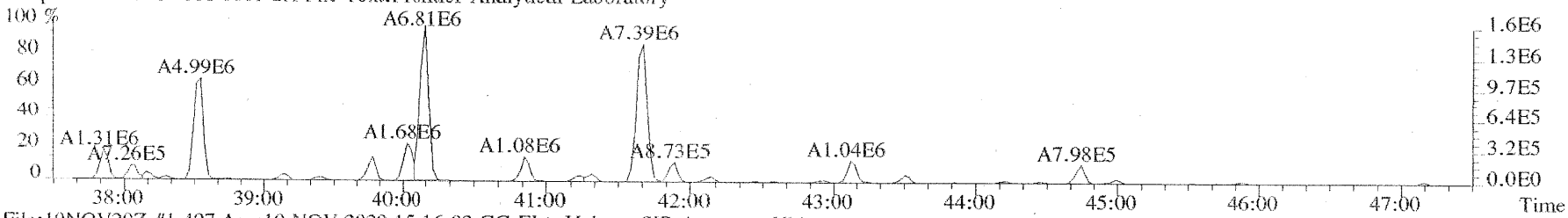
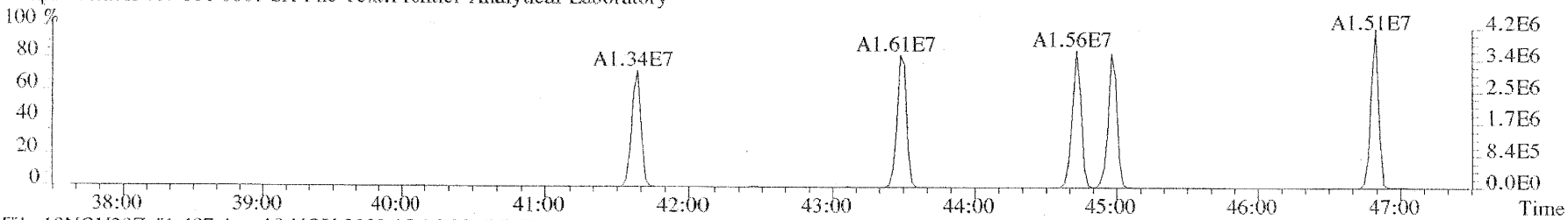
361.8385 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
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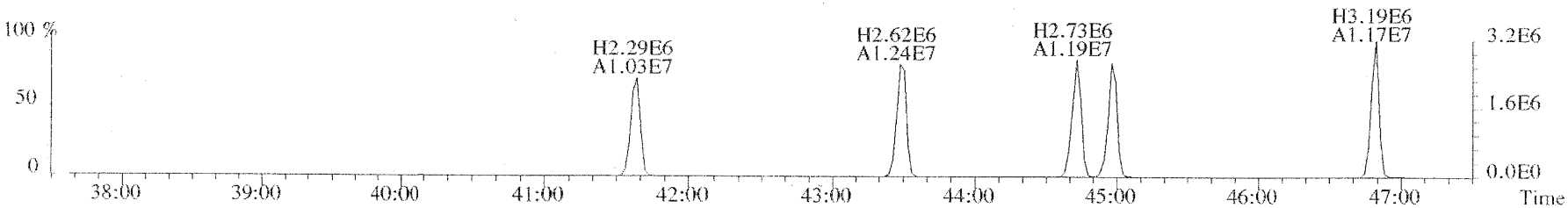
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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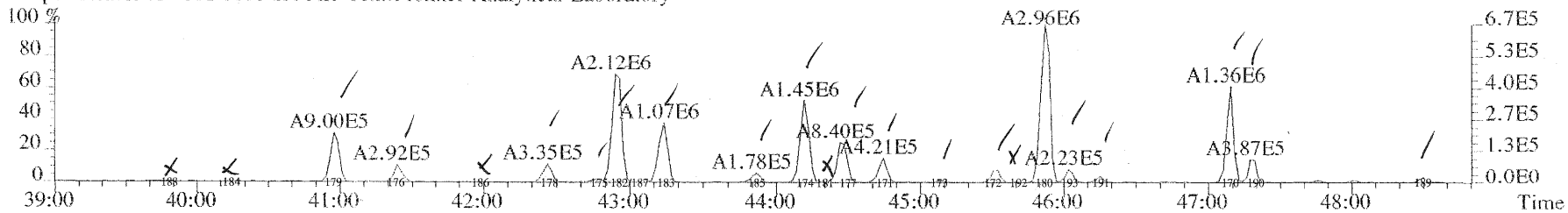
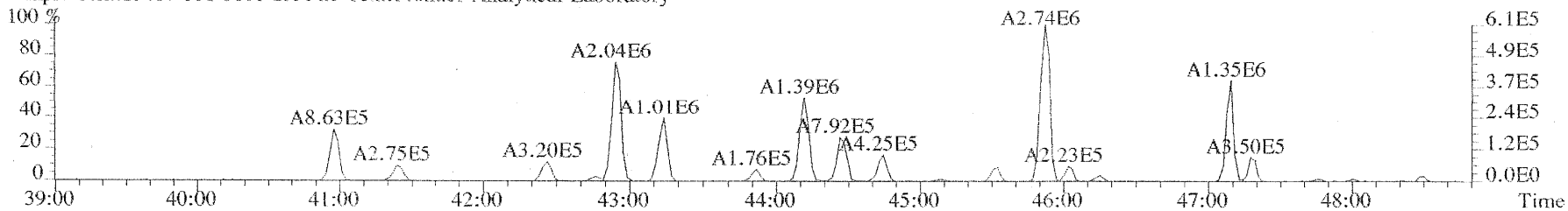
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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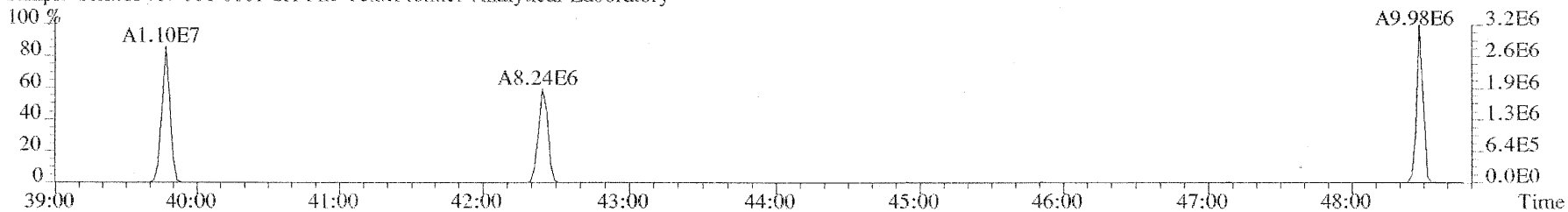
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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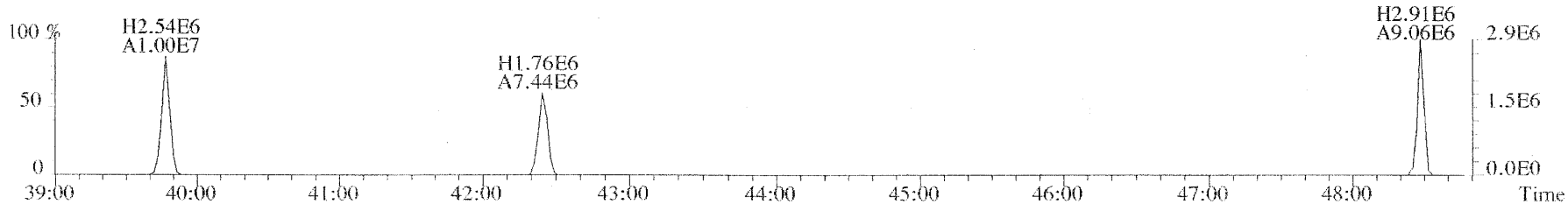
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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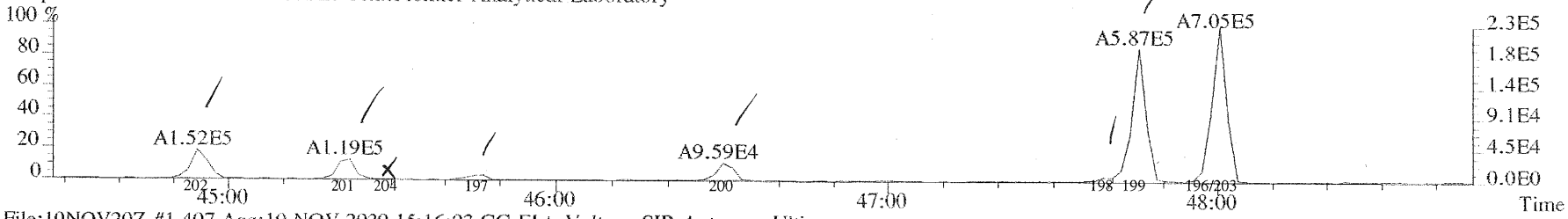
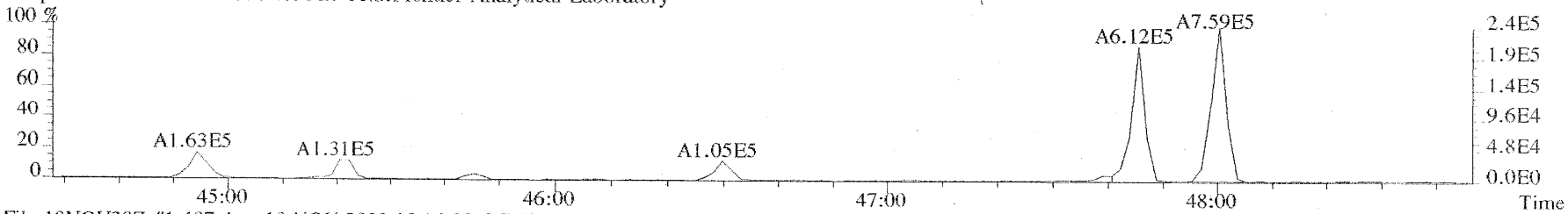
427.7635 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



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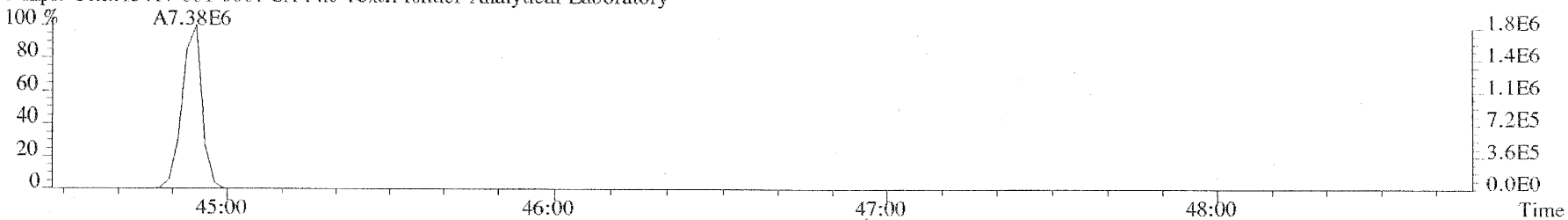
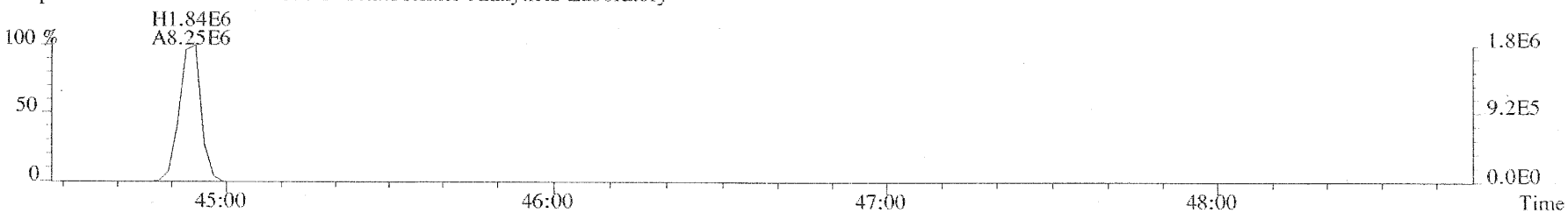
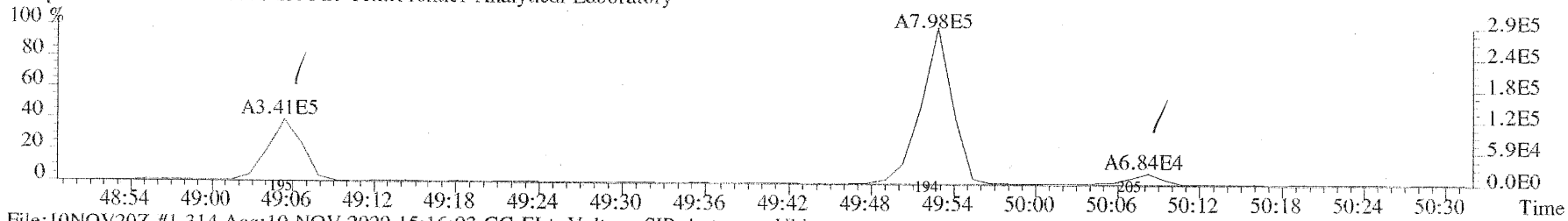
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



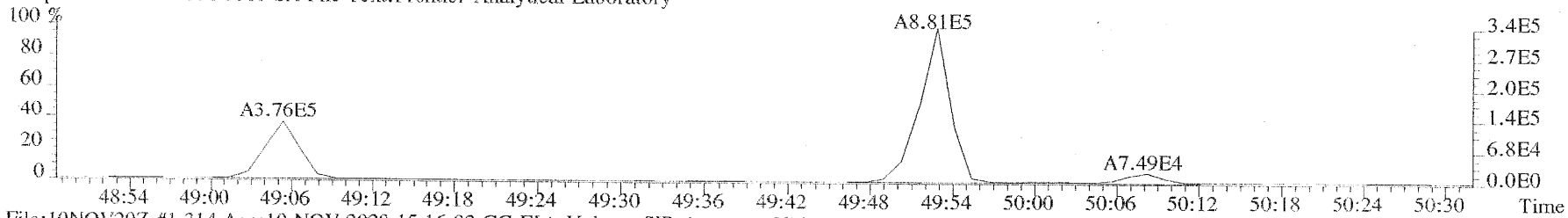
File:10NOV20Z #1-407 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



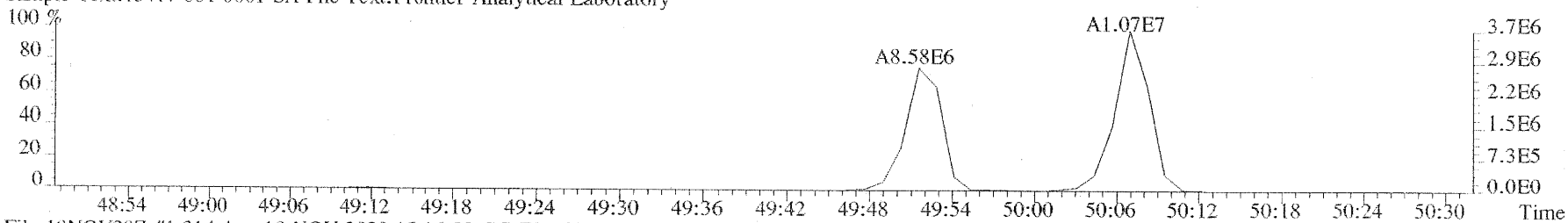
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



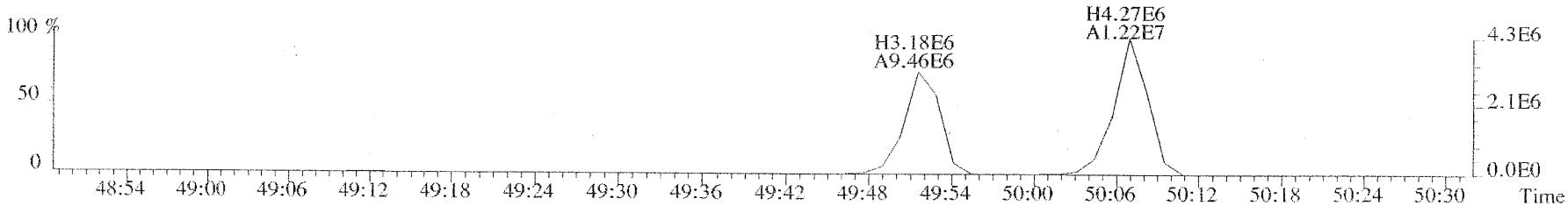
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



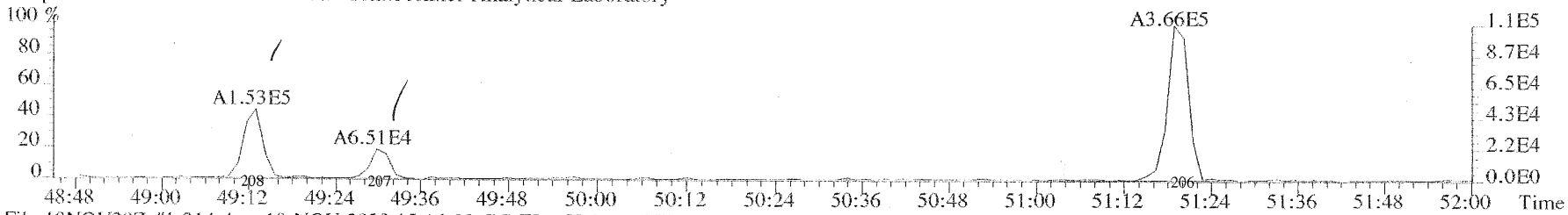
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



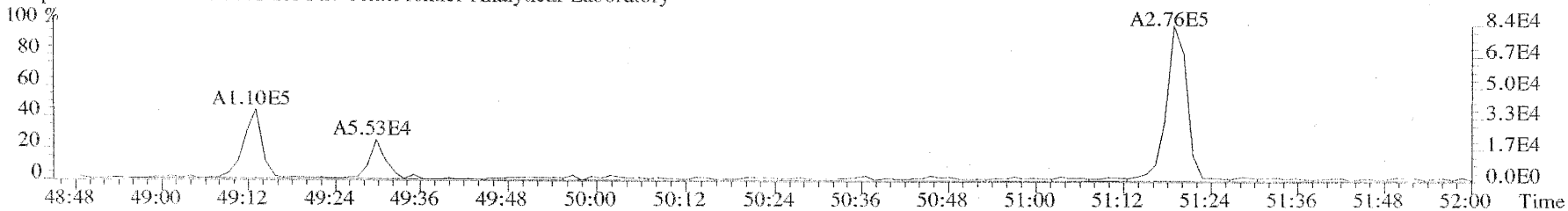
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



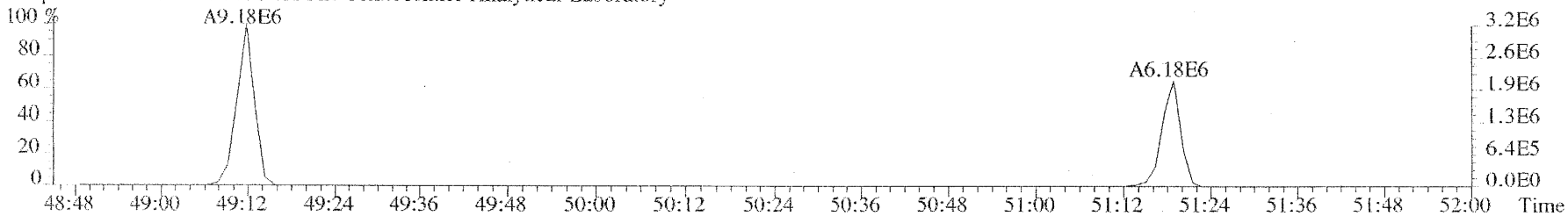
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



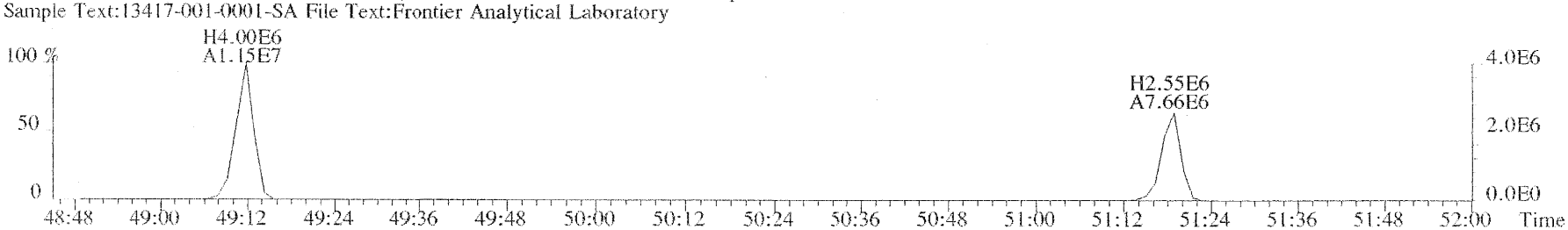
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



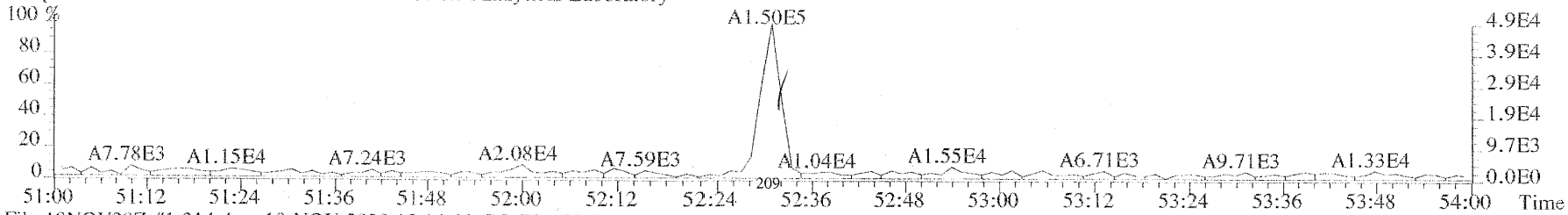
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



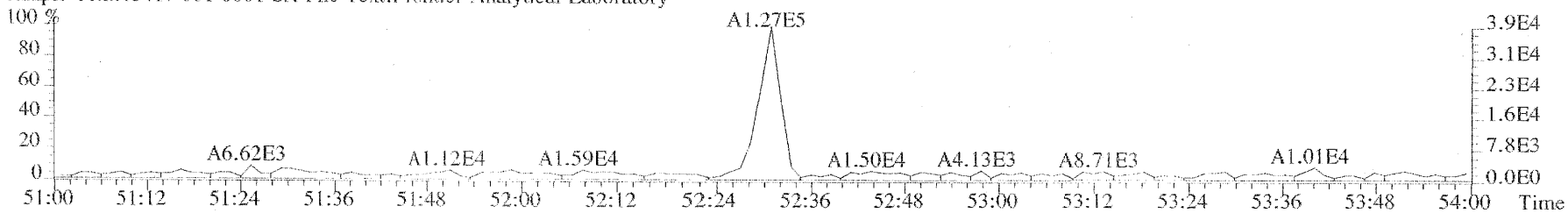
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



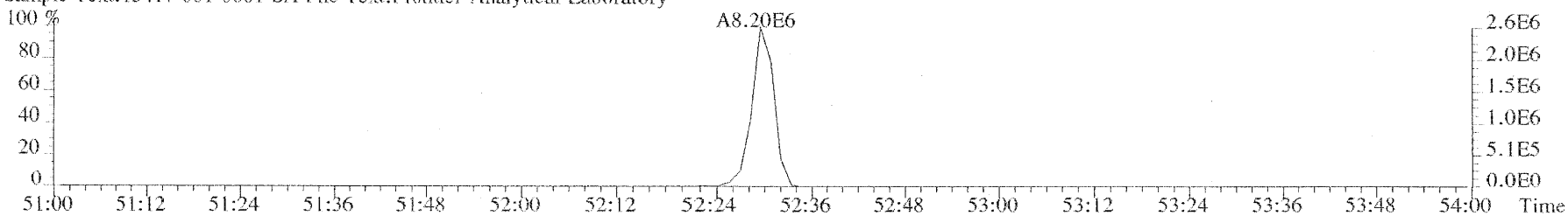
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



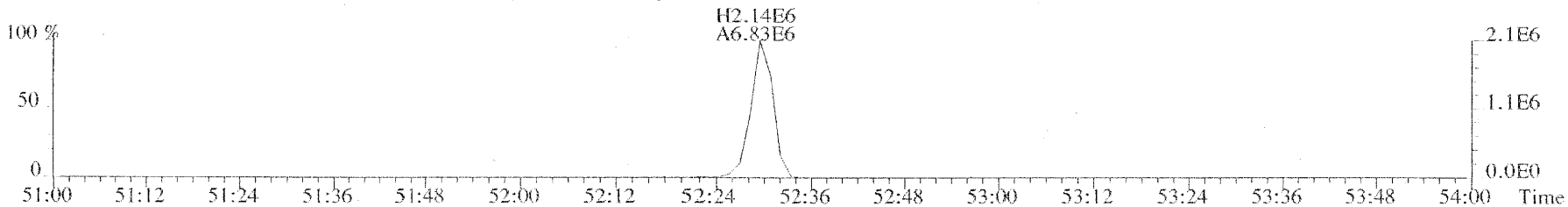
File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 15:16:03 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13417-002-0001-SA Filename: 10NOV20Z Sam:10 Acquired: 10-NOV-20 16:14:24 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-SS ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13380-7A GC Column: DB1MS Amount: 10.02

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.65e+05	3.02 y	14:34	1.23	4.60		-	-	*			
13C-PCB-1	2.90e+07	3.25 y	14:33	0.89	814					81.5	8.31e+06	2.53e+06
PCB-2	4.54e+04	2.75 y	16:47	1.25	1.23	J	-	-	*			
PCB-3	1.46e+05	3.07 y	17:00	1.21	4.05		-	-	*			
13C-PCB-3	2.96e+07	3.27 y	16:59	0.87	851					85.3	8.01e+06	2.38e+06
PCB-4	5.37e+05	1.42 y	18:16	0.97	21.9		-	-	*			
PCB-10	4.30e+04	1.47 y	18:19	1.52	0.812	J	-	-	*			
13C-PCB-4	2.52e+07	1.58 y	18:14	0.65	959					96.1	4.88e+06	3.11e+06
PCB-9	1.36e+05	1.57 y	19:56	1.41	2.76		-	-	*			
PCB-7	2.29e+05	1.46 y	19:58	1.43	4.59		-	-	*			
PCB-6	9.41e+05	1.45 y	20:34	1.32	20.5		-	-	*			
PCB-8	3.95e+06	1.51 y	20:56	1.38	82.4		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		544	3100	0.643			
PCB-14	*	* n	NotFnd	1.39	*		544	3100	0.622			
PCB-11	3.13e+05	1.51 y	23:07	1.24	7.26		-	-	*			
PCB-13	2.61e+05	1.34 y	23:28	1.29	5.81		-	-	*			
PCB-12	2.25e+05	1.51 y	23:29	1.32	4.91		-	-	*			
PCB-15	2.97e+06	1.40 y	23:48	1.18	56.6		-	-	*			
13C-PCB-15	4.43e+07	1.60 y	23:46	0.96	1150					115	7.93e+06	4.96e+06
PCB-19	2.87e+05	1.15 y	22:10	1.35	14.1		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1560	572	0.671			
PCB-18	2.49e+06	1.12 y	23:42	1.34	123		-	-	*			
PCB-17	1.26e+06	1.13 y	23:52	1.48	56.5		-	-	*			
PCB-27	1.80e+05	1.17 y	24:23	1.94	6.15		-	-	*			
PCB-24	2.04e+05	1.15 y	24:24	1.93	7.02		-	-	*			
PCB-16	9.16e+05	1.08 y	24:53	1.64	37.1		-	-	*			
PCB-32	1.19e+06	1.11 y	24:55	1.69	46.7		-	-	*			
13C-PCB-19	1.50e+07	1.12 y	22:08	0.45	841					84.2	2.07e+06	1.87e+06
13C-PCB-9	4.00e+07	1.58 y	19:55	-	5.53							
PCB-34	4.01e+04	1.03 y	25:38	1.27	0.931	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1040	970	0.569			
PCB-29	7.18e+04	1.05 y	25:59	1.30	1.62	J	-	-	*			
PCB-26	1.77e+06	1.13 y	26:10	1.22	42.7		-	-	*			
PCB-25	1.05e+06	1.16 y	26:19	1.21	25.7		-	-	*			
PCB-31	7.56e+06	1.09 y	26:40	1.18	189		-	-	*			
PCB-28	8.76e+06	1.11 y	26:46	1.51	171		-	-	*			
PCB-20	4.77e+06	1.09 y	27:23	1.21	116		-	-	*		Co-elute PCB 21/33	
PCB-21	4.77e+06	1.09 y	27:23	1.21	116		-	-	*		Co-elute PCB 20/33	
PCB-33	4.77e+06	1.09 y	27:23	1.21	116		-	-	*		Co-elute PCB 20/21	
PCB-22	2.83e+06	1.13 y	27:45	1.40	59.8		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		1040	970	0.606			
PCB-39	*	* n	NotFnd	1.21	*		1040	970	0.618			
PCB-38	1.10e+05	1.08 y	29:34	1.17	2.77		-	-	*			
PCB-35	2.01e+05	1.03 y	30:06	1.14	5.21		-	-	*			
PCB-37	3.23e+06	1.18 y	30:33	1.20	79.4		-	-	*			
13C-PCB-37	3.38e+07	1.05 y	30:31	1.40	1150					115	3.42e+06	3.29e+06

PCB-54	3.18e+04	0.71	y	25:41	1.24	1.11	J	-	-	*			
PCB-50	2.54e+04	0.83	y	26:48	0.92	1.20	J	-	-	*			
PCB-53	8.98e+05	0.80	y	27:25	0.91	42.5		-	-	*			
PCB-51	3.16e+05	0.72	y	27:44	0.98	13.9		-	-	*			
PCB-45	7.38e+05	0.76	y	28:09	0.79	40.3		-	-	*			
PCB-46	3.05e+05	0.71	y	28:37	0.78	16.9		-	-	*			
PCB-52	7.23e+06	0.77	y	29:04	0.91	343		-	-	*	Co-elute PCB 69		
PCB-69	7.23e+06	0.77	y	29:04	0.91	343		-	-	*	Co-elute PCB 52		
PCB-73	9.09e+04	0.72	y	29:10	1.23	3.21		-	-	*			
PCB-43	4.58e+06	0.77	y	29:21	0.82	241		-	-	*	Co-elute PCB 49		
PCB-49	4.58e+06	0.77	y	29:21	0.82	241		-	-	*	Co-elute PCB 43		
PCB-47	2.00e+06	0.77	y	29:34	0.90	95.8		-	-	*			
PCB-48	1.00e+06	0.83	y	29:40	1.05	41.1		-	-	*	Co-elute PCB 75		
PCB-75	1.00e+06	0.83	y	29:40	1.05	41.1		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*		756	984	0.617			
PCB-62	*	*	n	NotFnd	1.12	*		756	984	0.599			
PCB-44	3.62e+06	0.79	y	30:22	0.73	213		-	-	*			
PCB-42	1.93e+06	0.75	y	30:36	0.96	86.9		-	-	*	Co-elute PCB 59		
PCB-59	1.93e+06	0.75	y	30:36	0.96	86.9		-	-	*	Co-elute PCB 42		
PCB-72	4.87e+06	0.76	y	31:09	1.05	201		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.87e+06	0.76	y	31:09	1.05	201		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.87e+06	0.76	y	31:09	1.05	201		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.87e+06	0.76	y	31:09	1.05	201		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.92e+04	0.76	y	31:19	1.28	2.34		-	-	*			
PCB-40	5.67e+05	0.84	y	31:32	0.69	35.6		-	-	*			
PCB-57	6.69e+04	0.71	y	31:51	1.13	2.56		-	-	*			
PCB-67	2.75e+05	0.77	y	32:08	1.17	10.2		-	-	*			
PCB-58	3.55e+04	0.67	y	32:15	1.13	1.36	J	-	-	*			
PCB-63	3.07e+05	0.75	y	32:23	1.13	11.7		-	-	*			
PCB-74	3.82e+06	0.76	y	32:40	1.15	143		-	-	*			
PCB-61	8.55e+06	0.76	y	32:51	1.06	349		-	-	*	Co-elute PCB 70		
PCB-70	8.55e+06	0.76	y	32:51	1.06	349		-	-	*	Co-elute PCB 61		
PCB-76	8.15e+06	0.76	y	33:04	1.21	292		-	-	*	Co-elute PCB 66		
PCB-66	8.15e+06	0.76	y	33:04	1.21	292		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*		756	987	0.491			
PCB-55	2.30e+05	0.81	y	33:33	1.19	8.36		-	-	*			
13C-PCB-54	2.31e+07	0.80	y	25:40	1.24	882					88.4	2.88e+06	3.59e+06
PCB-104	*	*	n	NotFnd	1.14	*		348	416	0.477			
PCB-96	7.24e+04	1.51	y	31:21	1.10	3.88		-	-	*			
PCB-103	1.60e+05	1.52	y	31:52	0.90	10.5		-	-	*			
PCB-100	9.11e+04	1.54	y	32:11	0.91	5.91		-	-	*			
PCB-94	5.03e+04	1.42	y	32:37	0.76	3.91		-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*		348	416	0.696	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*		348	416	0.696	Co-elute PCB 98		
PCB-95	7.35e+06	1.52	y	33:09	0.84	515		-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*		348	416	0.695			
PCB-88	1.35e+06	1.55	y	33:32	0.89	89.2		-	-	*	Co-elute PCB 91		
PCB-91	1.35e+06	1.55	y	33:32	0.89	89.2		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*		348	416	0.555			
13C-PCB-104	1.69e+07	1.58	y	30:11	0.98	820					82.2	2.16e+06	1.34e+06
13C-PCB-28	3.76e+07	1.07	y	26:45	1.74	1030					103	5.16e+06	4.65e+06
13C-PCB-52	2.10e+07	0.80	y	29:02	-	5.39							

PCB-56	5.89e+06	0.81	y	34:02	1.23	156	-	-	*		Co-elute PCB 60	
PCB-60	5.89e+06	0.81	y	34:02	1.23	156	-	-	*		Co-elute PCB 56	
PCB-79	2.23e+05	0.79	y	35:04	1.25	5.76	-	-	*			
PCB-78	*	*	n	NotFnd	1.23	*	750	900	0.453			
PCB-81	3.56e+05	0.72	y	36:15	1.25	9.64	-	-	*			
13C-PCB-81	2.94e+07	0.79	y	36:12	1.33	1170				117	3.02e+06	3.60e+06
PCB-77	1.20e+06	0.76	y	36:46	1.11	33.4	-	-	*			
13C-PCB-77	3.22e+07	0.80	y	36:45	1.39	1220				123	3.69e+06	4.57e+06
PCB-155	*	*	n	NotFnd	1.10	*	672	596	0.560			
PCB-150	5.49e+04	1.22	y	35:30	1.04	2.60	-	-	*			
PCB-152	*	*	n	NotFnd	1.01	*	672	596	0.612			
PCB-145	*	*	n	NotFnd	1.02	*	672	596	0.603			
PCB-136	2.51e+06	1.23	y	36:41	0.99	124	-	-	*			
PCB-148	*	*	n	NotFnd	0.78	*	672	596	0.791			
PCB-154	3.11e+05	1.38	y	37:14	0.88	17.3	-	-	*			
13C-PCB-155	2.04e+07	1.31	y	34:17	1.18	912				91.4	2.95e+06	2.20e+06
13C-PCB-111	2.19e+07	1.59	y	36:21	1.26	920				92.2	3.13e+06	1.94e+06
13C-PCB-101	1.88e+07	1.59	y	34:42	-	5.35						
PCB-84	4.31e+06	1.57	y	34:23	0.78	189	-	-	*		Co-elute PCB 92	
PCB-92	4.31e+06	1.57	y	34:23	0.78	189	-	-	*		Co-elute PCB 84	
PCB-89	1.29e+05	1.42	y	34:33	0.77	5.75	-	-	*			
PCB-90	1.24e+07	1.53	y	34:45	0.85	500	-	-	*		Co-elute PCB 101	
PCB-101	1.24e+07	1.53	y	34:45	0.85	500	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.96	*	1070	800	0.745			
PCB-99	5.58e+06	1.49	y	35:02	0.94	203	-	-	*			
PCB-119	4.39e+05	1.45	y	35:29	1.06	14.2	-	-	*			
PCB-83	5.49e+05	1.57	y	35:39	0.88	21.5	-	-	*		Co-elute PCB 112	
PCB-112	5.49e+05	1.57	y	35:39	0.88	21.5	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	1.04	*	1070	800	0.690			
PCB-97	3.07e+06	1.51	y	35:58	0.73	144	-	-	*			
PCB-86	4.53e+04	1.40	y	36:07	0.76	2.04	-	-	*			
PCB-125	4.65e+06	1.52	y	36:15	0.94	169	-	-	*		Co-elute PCB 87/117	
PCB-87	4.65e+06	1.52	y	36:15	0.94	169	-	-	*		Co-elute PCB 125/117	
PCB-117	4.65e+06	1.52	y	36:15	0.94	169	-	-	*		Co-elute PCB 125/87	
PCB-111	2.58e+05	1.40	y	36:23	1.06	8.30	-	-	*		Co-elute PCB 115	
PCB-115	2.58e+05	1.40	y	36:23	1.06	8.30	-	-	*		Co-elute PCB 111	
PCB-85	1.92e+06	1.52	y	36:30	0.96	68.5	-	-	*		Co-elute PCB 116	
PCB-116	1.92e+06	1.52	y	36:30	0.96	68.5	-	-	*		Co-elute PCB 85	
PCB-120	7.90e+04	1.55	y	36:41	1.14	2.38	-	-	*			
PCB-110	1.43e+07	1.50	y	36:51	1.09	450	-	-	*			
PCB-82	1.05e+06	1.56	y	37:28	0.66	55.1	-	-	*			
PCB-124	7.00e+05	1.63	y	38:06	1.19	20.2	-	-	*			
PCB-108	1.01e+06	1.58	y	38:16	1.14	30.4	-	-	*		Co-elute PCB 107	
PCB-107	1.01e+06	1.58	y	38:16	1.14	30.4	-	-	*		Co-elute PCB 108	
PCB-123	2.68e+05	1.60	y	38:24	1.09	8.60	-	-	*			
13C-PCB-123	2.86e+07	1.57	y	38:24	1.22	1180				119	3.78e+06	2.38e+06
PCB-118	1.46e+07	1.58	y	38:36	1.13	433	-	-	*		Co-elute PCB 106	
PCB-106	1.46e+07	1.58	y	38:36	1.13	433	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.98e+07	1.63	y	38:34	1.30	1150				116	4.23e+06	2.64e+06
PCB-114	3.79e+05	1.43	y	39:12	1.21	10.6	-	-	*			
13C-PCB-114	2.93e+07	1.57	y	39:12	1.29	1150				115	3.80e+06	2.43e+06
PCB-122	1.82e+05	1.37	y	39:20	1.13	5.50	-	-	*			
PCB-105	6.13e+06	1.58	y	40:01	1.18	180	-	-	*			
13C-PCB-105	2.87e+07	1.59	y	39:60	1.27	1140				114	4.16e+06	2.65e+06

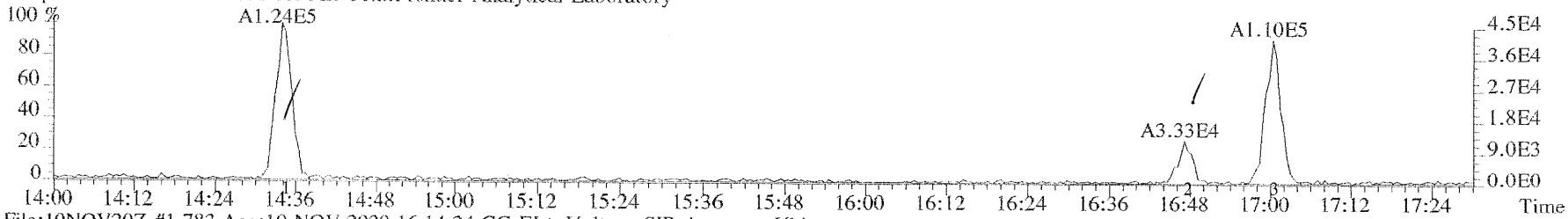
PCB-127	*	*	n	NotFnd	1.10	*	1040	920	0.686			
PCB-126	9.54e+04	1.55	y	42:08	1.15	2.95	-	-	*			
13C-PCB-126	2.81e+07	1.60	y	42:06	1.16	1220				123	3.85e+06	2.44e+06
PCB-151	4.16e+06	1.27	y	37:51	0.93	195	-	-	*			
PCB-135	2.21e+06	1.28	y	38:03	0.95	102	-	-	*			
PCB-144	8.53e+05	1.28	y	38:09	0.96	38.9	-	-	*			
PCB-147	3.30e+05	1.12	y	38:18	1.01	14.4	-	-	*			
PCB-139	1.51e+07	1.23	y	38:32	1.01	655	-	-	*	Co-elute PCB 149		
PCB-149	1.51e+07	1.23	y	38:32	1.01	655	-	-	*	Co-elute PCB 139		
PCB-140	1.18e+05	1.36	y	38:42	1.04	4.95	-	-	*			
PCB-143	8.27e+05	1.34	y	39:09	0.87	41.7	-	-	*	Co-elute PCB 134		
PCB-134	8.27e+05	1.34	y	39:09	0.87	41.7	-	-	*	Co-elute PCB 143		
PCB-131	4.50e+05	1.25	y	39:23	0.88	22.4	-	-	*	Co-elute PCB 133		
PCB-133	4.50e+05	1.25	y	39:23	0.88	22.4	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	880	780	0.880			
PCB-165	2.80e+06	1.32	y	39:46	1.14	107	-	-	*	Co-elute PCB 146		
PCB-146	2.80e+06	1.32	y	39:46	1.14	107	-	-	*	Co-elute PCB 165		
PCB-161	5.01e+06	1.27	y	40:01	1.11	198	-	-	*	Co-elute PCB 132		
PCB-132	5.01e+06	1.27	y	40:01	1.11	198	-	-	*	Co-elute PCB 161		
PCB-153	1.98e+07	1.24	y	40:10	1.12	774	-	-	*			
PCB-168	*	*	n	NotFnd	1.25	*	880	780	0.625			
PCB-141	3.24e+06	1.26	y	40:51	0.97	146	-	-	*			
PCB-137	6.03e+05	1.30	y	41:14	1.02	25.9	-	-	*			
PCB-130	9.63e+05	1.30	y	41:19	0.82	51.7	-	-	*			
PCB-138	2.05e+07	1.27	y	41:40	1.14	787	-	-	*	Co-elute PCB 163/164		
PCB-163	2.05e+07	1.27	y	41:40	1.14	787	-	-	*	Co-elute PCB 138/164		
PCB-164	2.05e+07	1.27	y	41:40	1.14	787	-	-	*	Co-elute PCB 138/163		
PCB-158	2.33e+06	1.30	y	41:53	1.26	81.0	-	-	*	Co-elute PCB 160		
PCB-160	2.33e+06	1.30	y	41:53	1.26	81.0	-	-	*	Co-elute PCB 158		
PCB-129	5.75e+05	1.28	y	42:08	0.83	30.2	-	-	*			
PCB-166	6.12e+04	1.24	y	42:34	1.22	2.19	-	-	*			
PCB-159	2.35e+05	1.36	y	42:56	1.28	8.04	-	-	*			
PCB-128	2.64e+06	1.26	y	43:07	1.08	107	-	-	*	Co-elute PCB 162		
PCB-162	2.64e+06	1.26	y	43:07	1.08	107	-	-	*	Co-elute PCB 128		
PCB-167	8.47e+05	1.28	y	43:30	1.19	30.6	-	-	*			
13C-PCB-167	2.33e+07	1.31	y	43:29	1.13	1040				104	2.84e+06	2.20e+06
PCB-156	2.14e+06	1.25	y	44:44	1.21	77.9	-	-	*			
13C-PCB-156	2.26e+07	1.30	y	44:43	1.09	1050				105	2.93e+06	2.25e+06
PCB-157	4.23e+05	1.24	y	44:59	1.19	15.3	-	-	*			
13C-PCB-157	2.31e+07	1.29	y	44:58	1.09	1070				107	2.92e+06	2.30e+06
PCB-169	*	*	n	NotFnd	1.12	*	880	780	0.639			
13C-PCB-169	2.23e+07	1.26	y	46:49	1.04	1080				108	3.25e+06	2.55e+06

FAL ID: 13417-002-0001-SA Filename: 10NOV20Z Sam:10 Acquired: 10-NOV-20 16:14:24 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-SC-ENR+AC-SS ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13380-7A GC Column: DB1MS Amount: 10.02

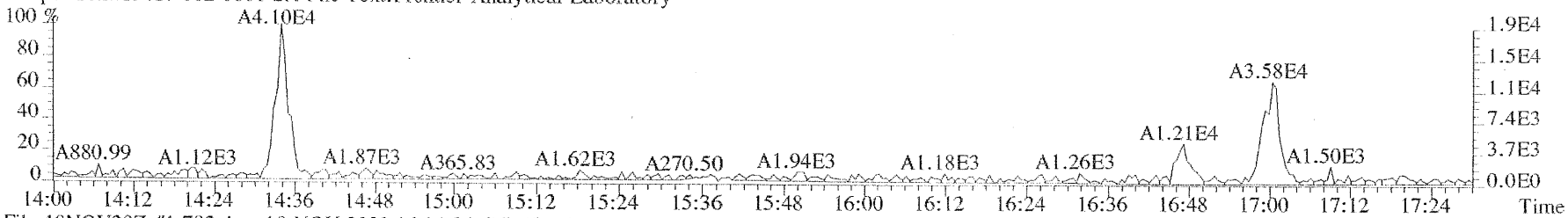
PCB-188	*	*	n	NotFnd	1.09	*	654	664	0.839			
13C-PCB-188	1.62e+07	1.11	y	39:46	1.06	768				77.0	1.88e+06	1.70e+06
PCB-184	*	*	n	NotFnd	1.27	*	654	664	0.612			
PCB-179	2.05e+06	1.05	y	40:57	1.20	106	-	-	*			
PCB-176	7.14e+05	1.04	y	41:24	1.15	38.2	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	654	664	0.663			
PCB-178	7.37e+05	1.12	y	42:26	0.84	54.0	-	-	*			
PCB-175	1.78e+05	1.14	y	42:46	0.88	12.4	-	-	*			
PCB-187	5.39e+06	1.04	y	42:54	0.93	357	-	-	*		Co-elute PCB 182	
PCB-182	5.39e+06	1.04	y	42:54	0.93	357	-	-	*		Co-elute PCB 187	
PCB-183	2.65e+06	1.03	y	43:14	0.94	174	-	-	*			
PCB-185	4.50e+05	0.99	y	43:52	0.87	32.0	-	-	*			
PCB-174	3.58e+06	1.07	y	44:11	0.79	278	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	654	664	0.836			
PCB-177	2.14e+06	1.10	y	44:28	0.82	162	-	-	*			
PCB-171	1.11e+06	1.06	y	44:44	0.87	78.4	-	-	*			
PCB-173	8.44e+04	1.19	y	45:07	0.76	6.83	-	-	*			
PCB-172	6.14e+05	1.10	y	45:32	0.80	47.5	-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*	654	664	0.735			
PCB-180	7.39e+06	1.08	y	45:52	0.82	555	-	-	*			
PCB-193	5.69e+05	0.96	y	46:02	1.13	31.0	-	-	*			
PCB-191	2.06e+05	1.16	y	46:15	1.14	11.2	-	-	*			
PCB-170	3.56e+06	1.04	y	47:09	0.78	281	-	-	*			
PCB-190	8.95e+05	1.06	y	47:19	1.05	52.5	-	-	*			
PCB-189	1.90e+05	1.15	y	48:30	1.09	10.8	-	-	*			
13C-PCB-189	1.62e+07	1.09	y	48:28	0.89	916				91.8	2.65e+06	2.47e+06
PCB-202	4.67e+05	1.00	y	44:54	1.11	36.8	-	-	*			
PCB-201	2.84e+05	1.00	y	45:22	1.20	20.8	-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*	548	570	0.887			
PCB-197	9.86e+04	0.77	y	45:45	1.27	6.82	-	-	*			
PCB-200	2.63e+05	0.95	y	46:30	1.24	18.6	-	-	*			
PCB-198	9.37e+04	0.89	y	47:41	0.90	9.09	-	-	*			
PCB-199	1.73e+06	0.96	y	47:45	0.84	181	-	-	*			
PCB-203	1.86e+06	0.97	y	48:00	0.96	170	-	-	*		Co-elute PCB 196	
PCB-196	1.86e+06	0.97	y	48:00	0.96	170	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.14e+07	0.90	y	44:53	0.75	762				76.4	1.26e+06	1.37e+06
13C-PCB-178	1.29e+07	1.10	y	42:24	0.80	806				80.8	1.63e+06	1.51e+06
13C-PCB-138	1.98e+07	1.28	y	41:38	-	5.46						
PCB-195	8.67e+05	0.88	y	49:05	0.88	55.9	-	-	*			
PCB-194	2.03e+06	0.94	y	49:53	0.87	133	-	-	*			
PCB-205	1.36e+05	0.92	y	50:08	1.08	7.17	-	-	*			
13C-PCB-205	1.75e+07	0.88	y	50:07	1.26	1010				101	2.38e+06	2.88e+06
PCB-208	1.39e+06	1.30	y	49:13	1.08	71.4	-	-	*			
13C-PCB-208	1.80e+07	0.80	y	49:12	1.27	1030				103	2.77e+06	3.46e+06
PCB-207	4.01e+05	1.44	y	49:30	1.25	21.4	-	-	*			
PCB-206	2.62e+06	1.27	y	51:20	1.11	197	-	-	*			
13C-PCB-206	1.19e+07	0.82	y	51:19	0.87	1000				100	1.72e+06	2.13e+06
PCB-209	1.24e+06	1.19	y	52:31	1.19	86.6	-	-	*			
13C-PCB-209	1.19e+07	1.20	y	52:29	1.01	860				86.2	2.02e+06	1.70e+06
13C-PCB-194	1.37e+07	0.90	y	49:52	-	4.73						

Analyst: _____ Date: 11/12/20

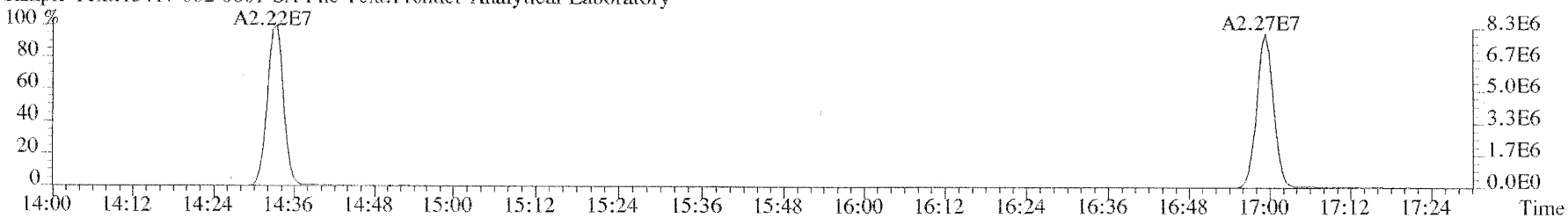
File:10NOV20Z #1-783 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



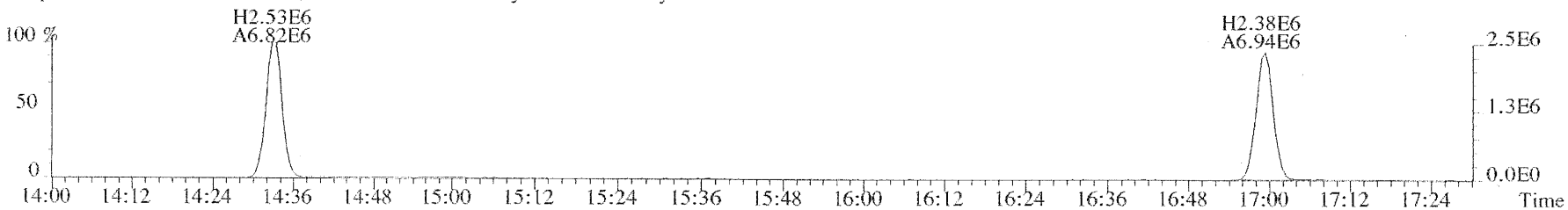
File:10NOV20Z #1-783 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



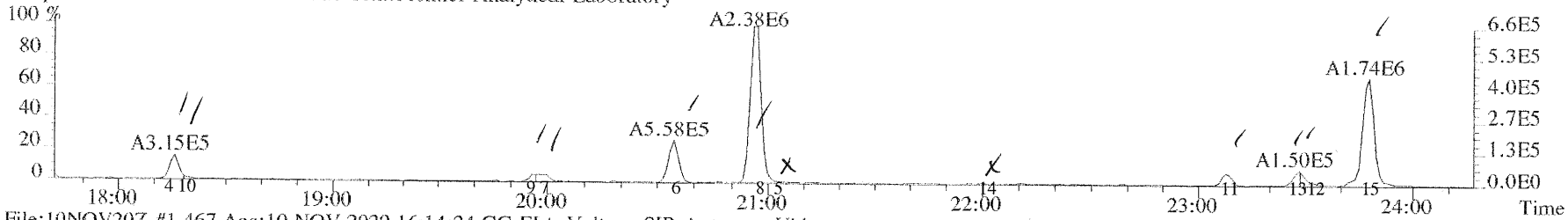
File:10NOV20Z #1-783 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



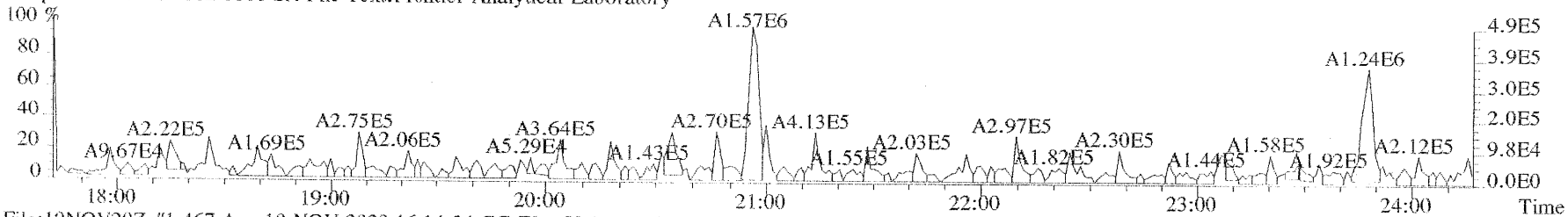
File:10NOV20Z #1-783 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



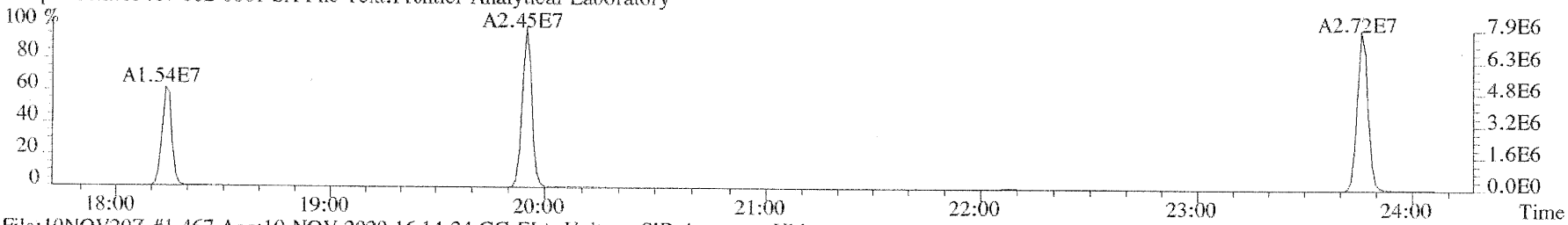
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



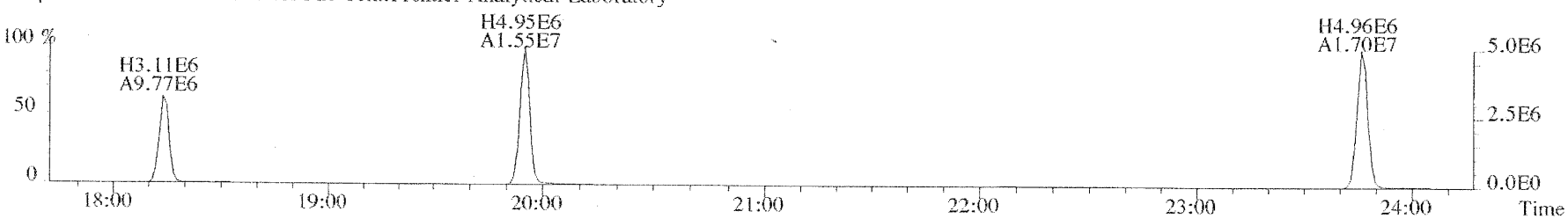
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



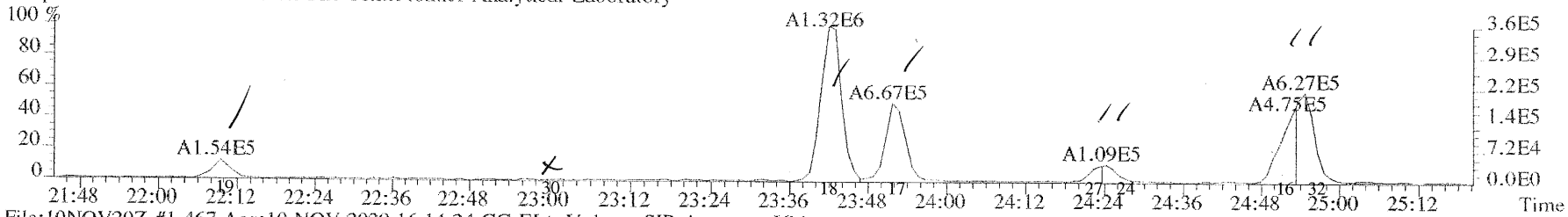
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



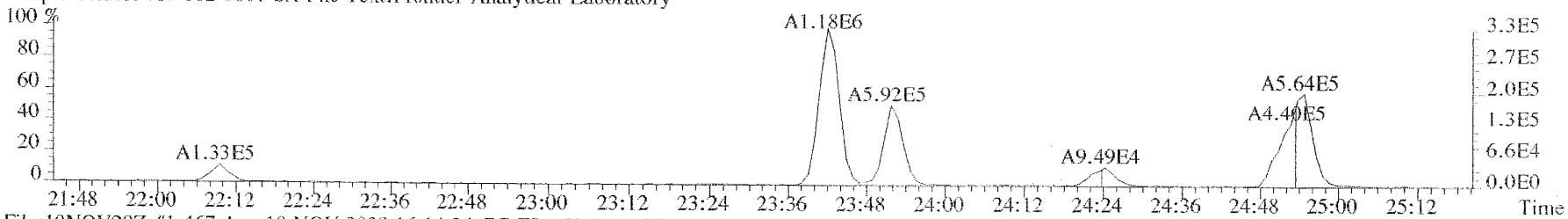
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



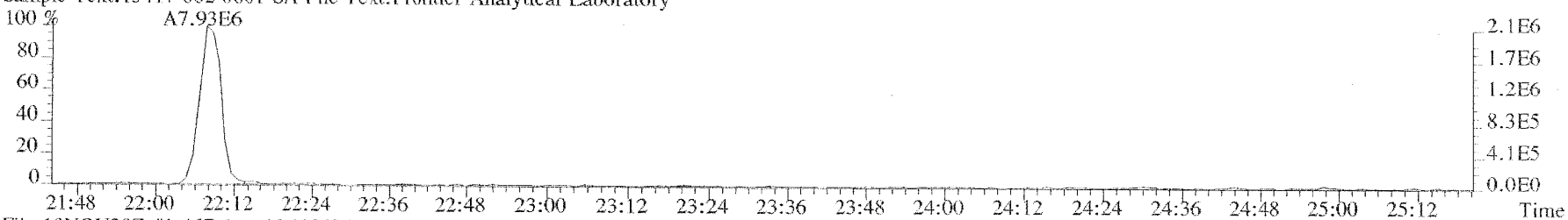
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



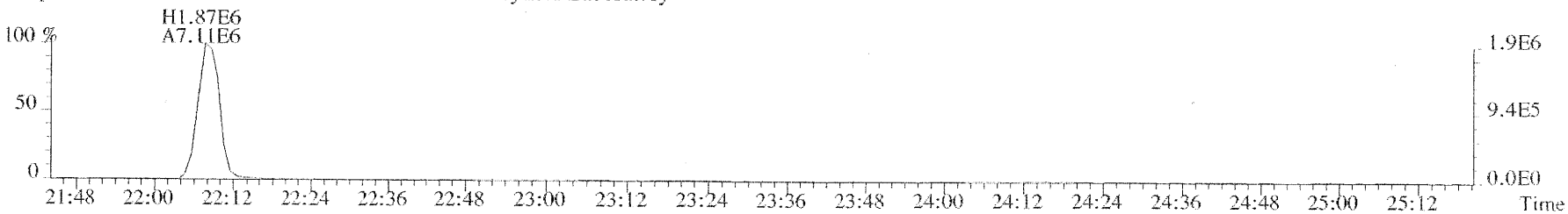
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



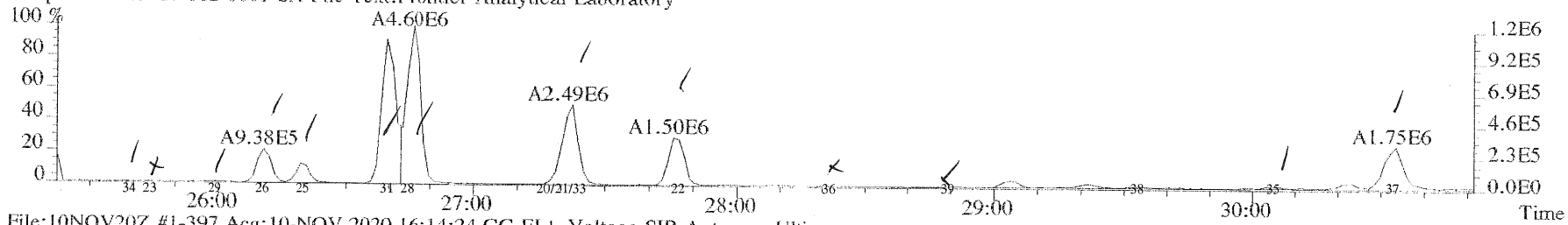
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



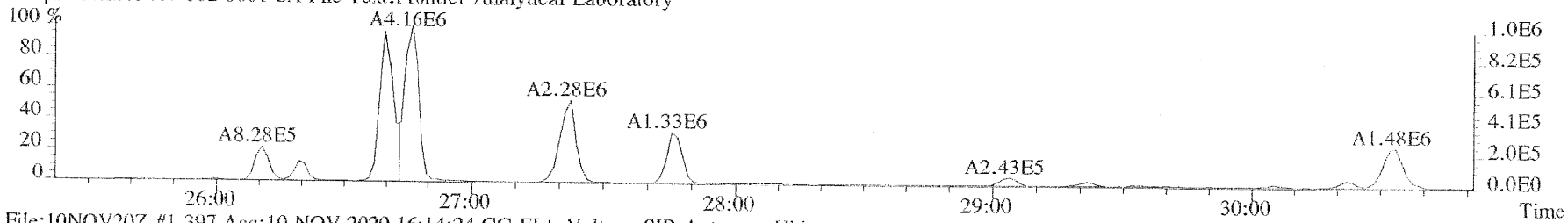
File:10NOV20Z #1-467 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



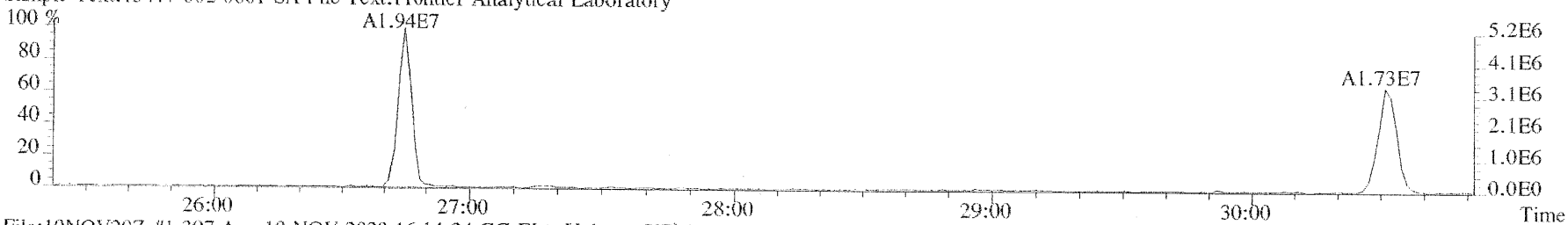
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



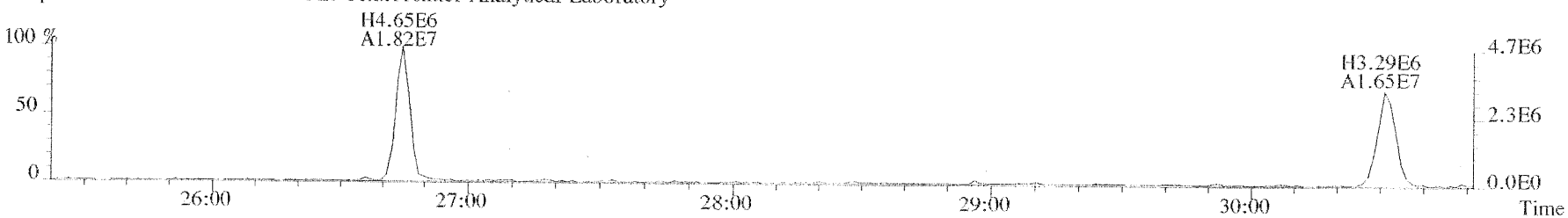
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



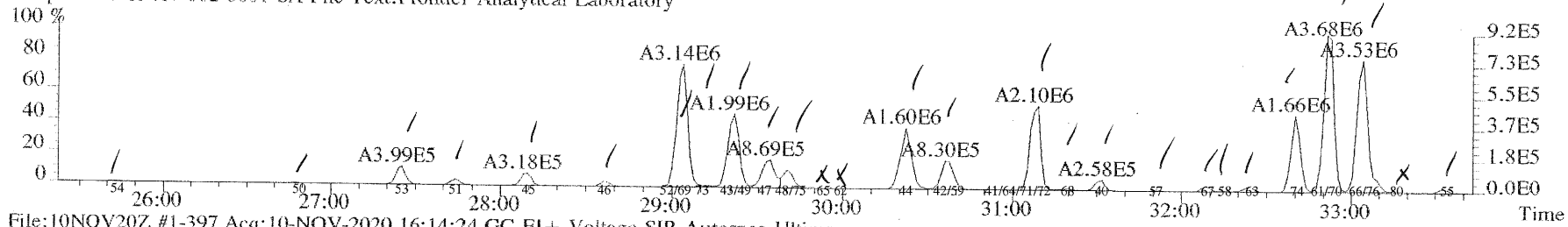
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



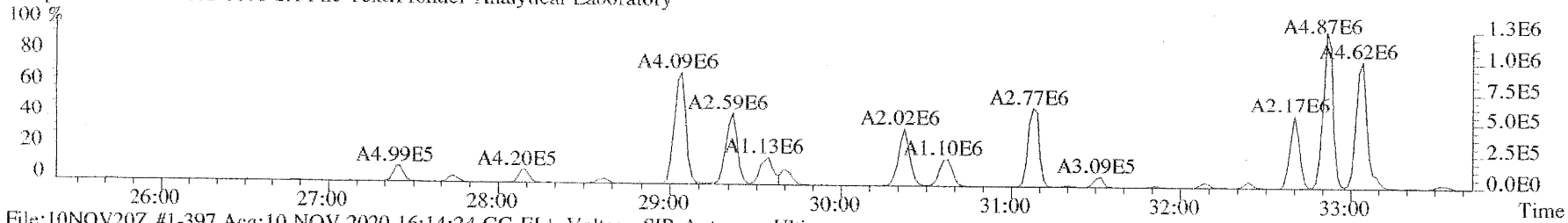
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



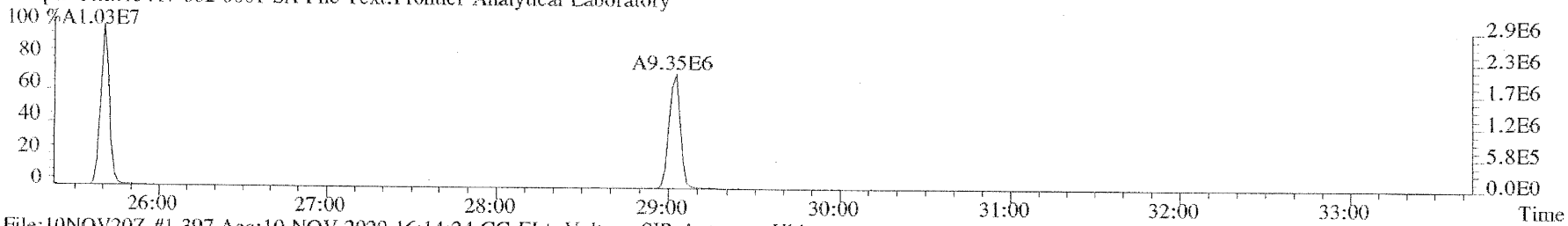
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



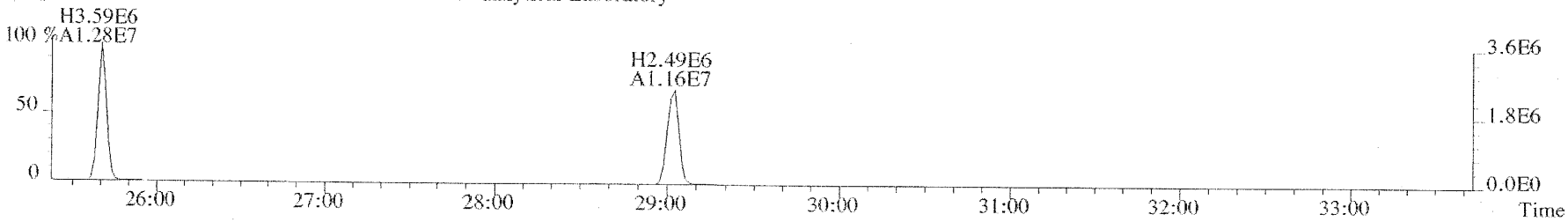
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



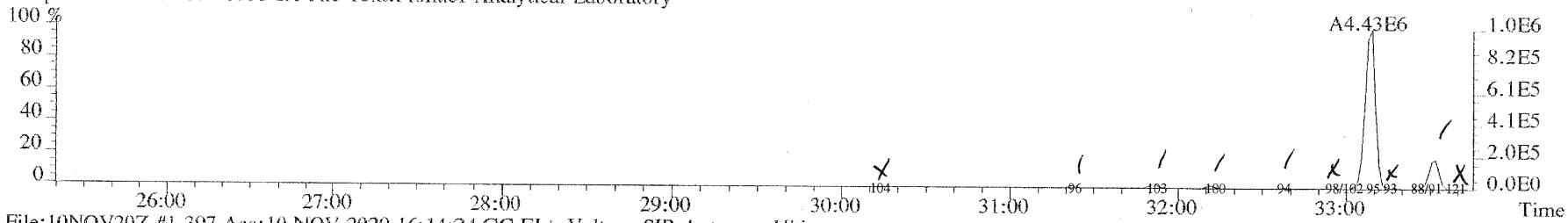
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



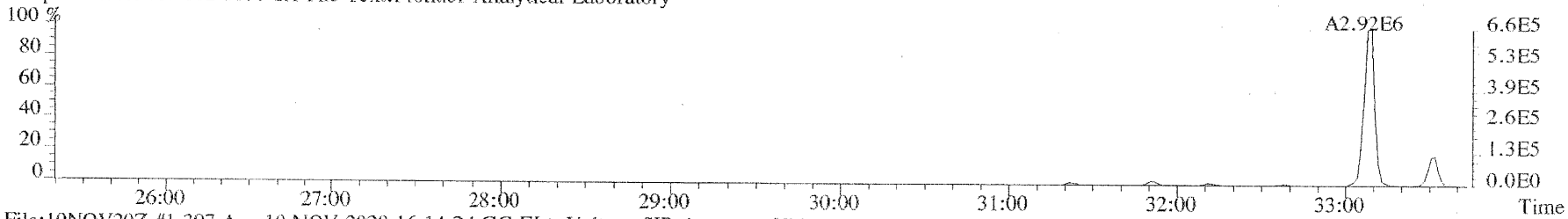
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



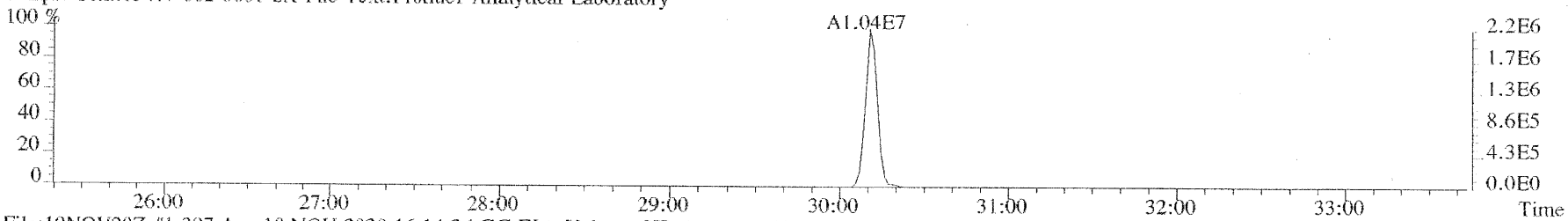
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



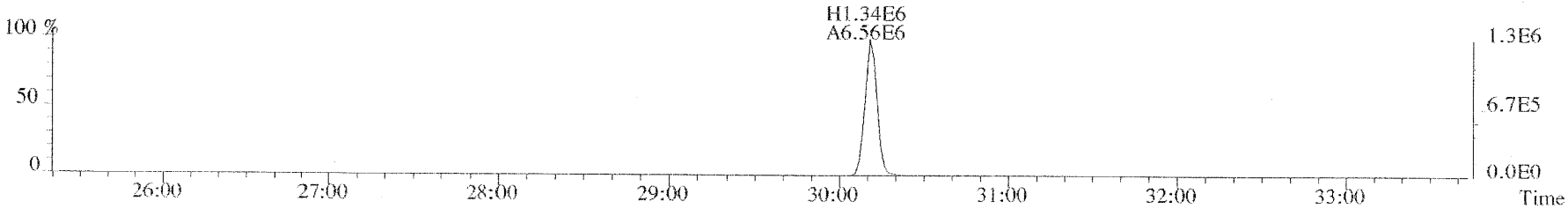
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



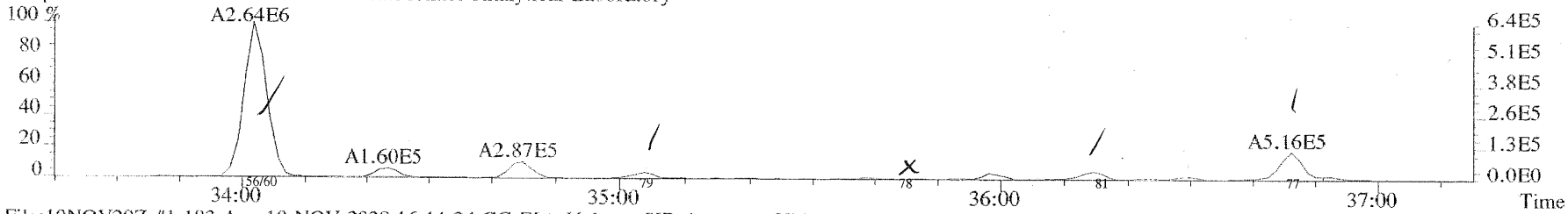
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



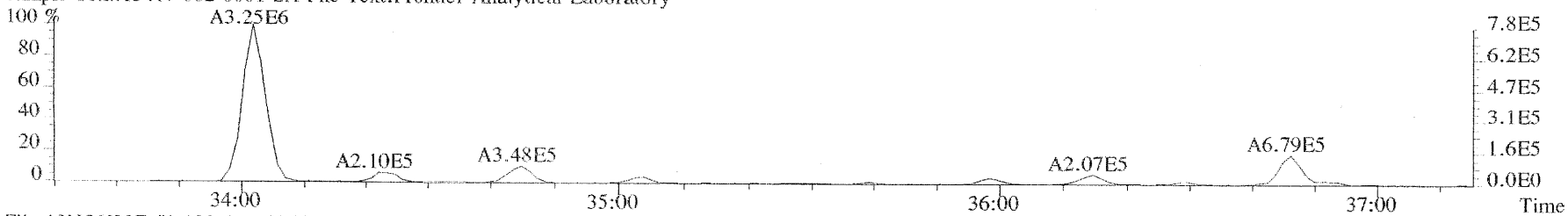
File:10NOV20Z #1-397 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



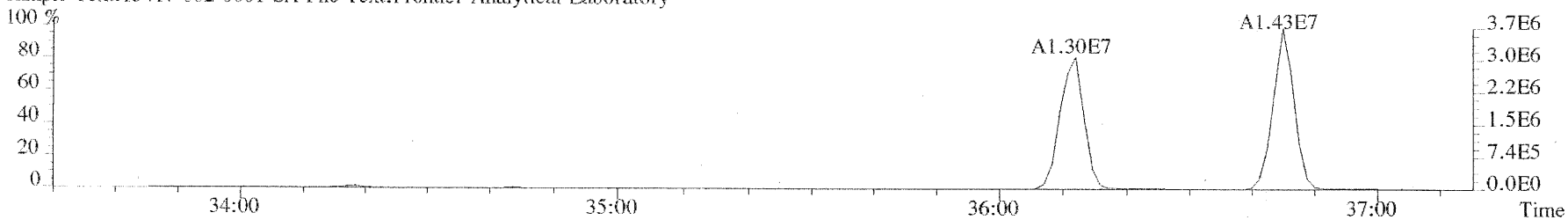
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



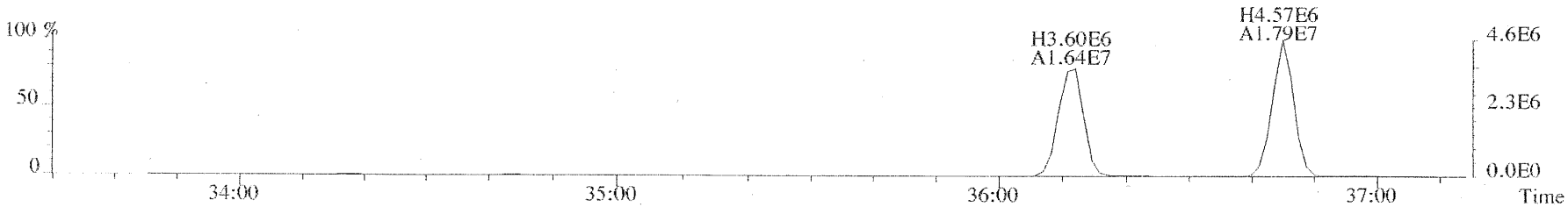
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



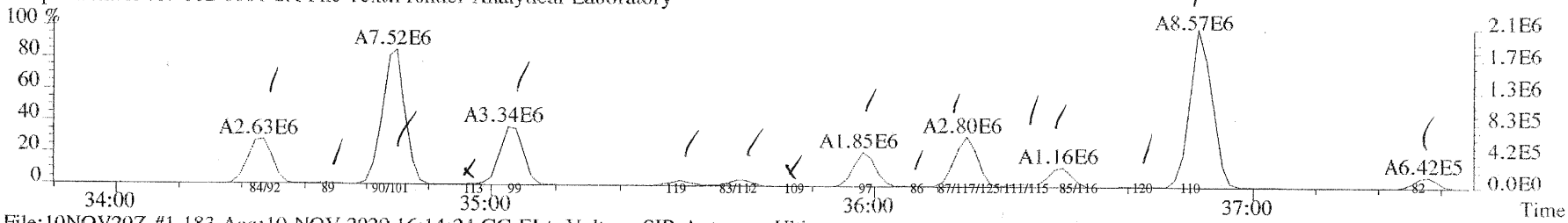
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



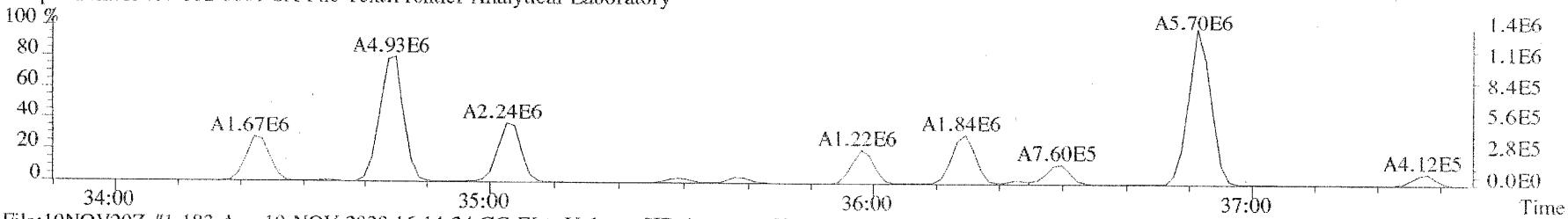
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



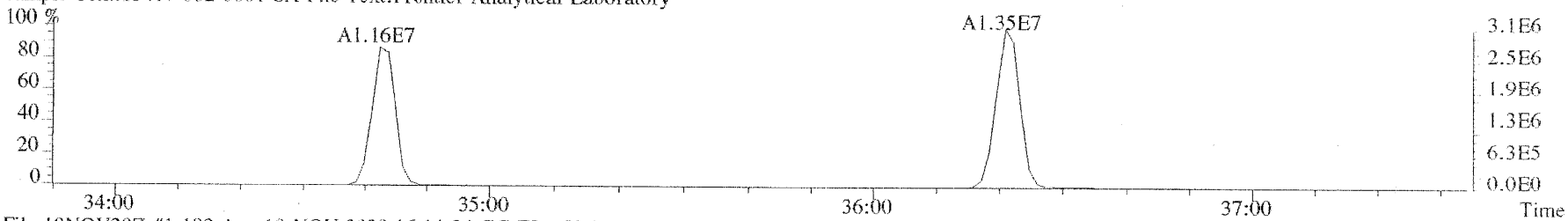
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



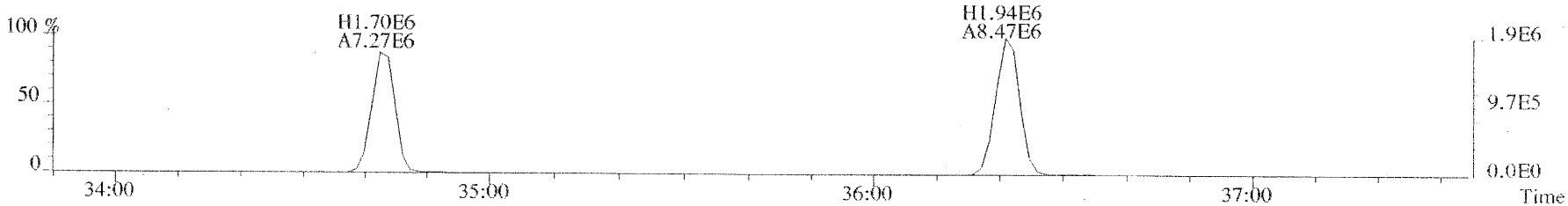
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



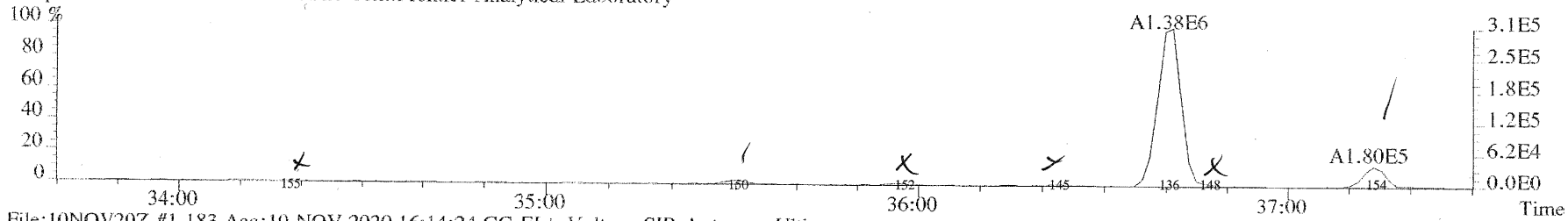
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



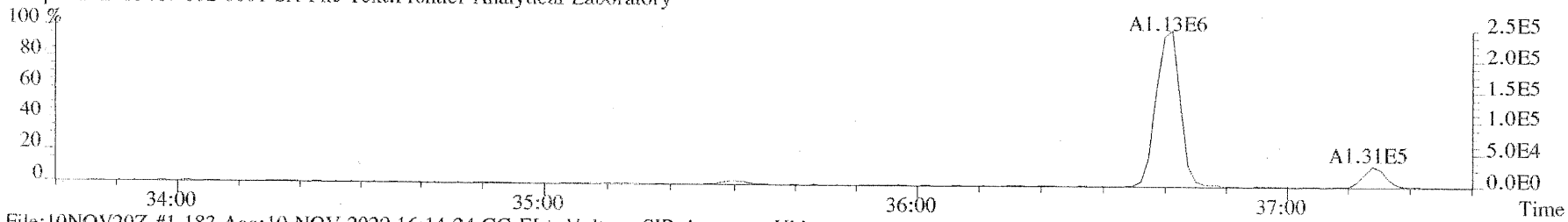
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



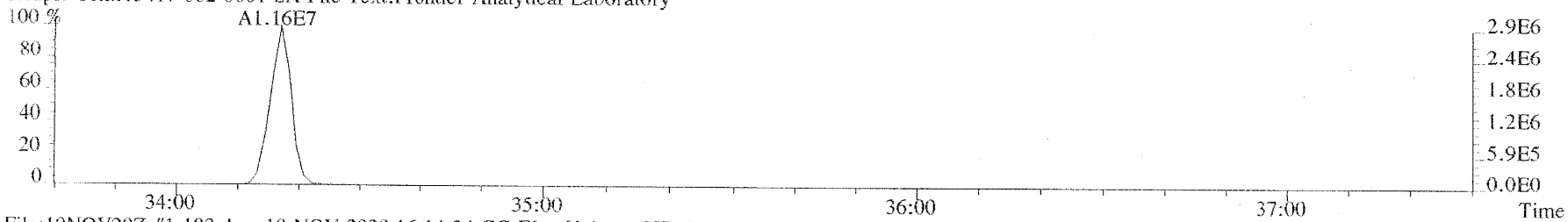
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



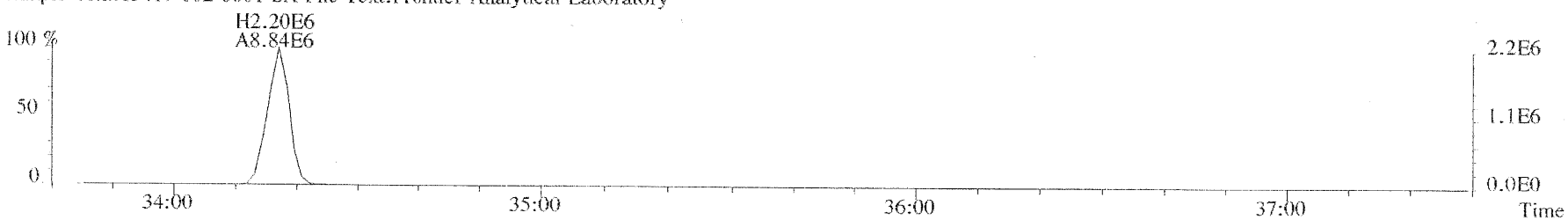
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



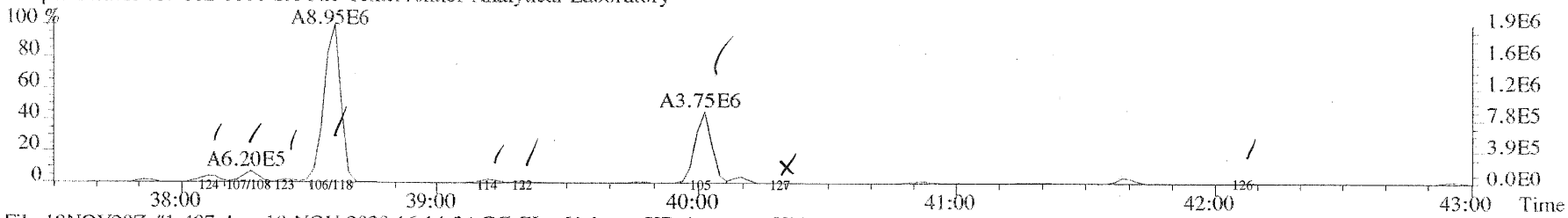
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



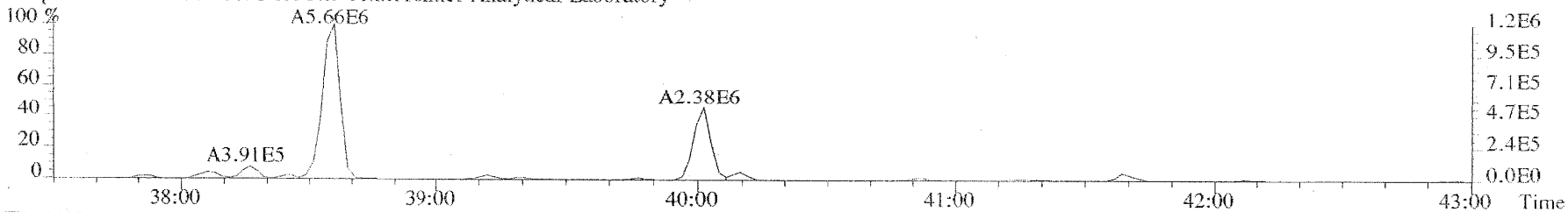
File:10NOV20Z #1-183 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



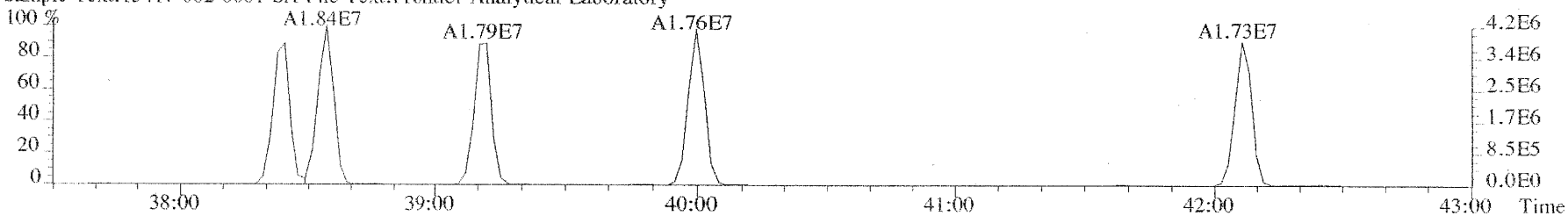
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



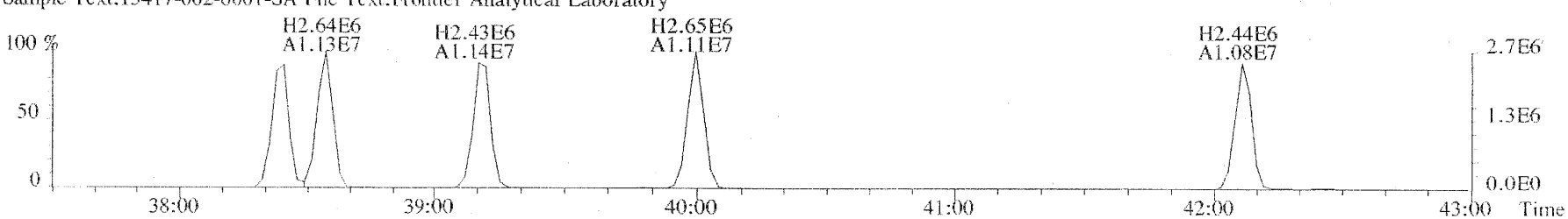
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



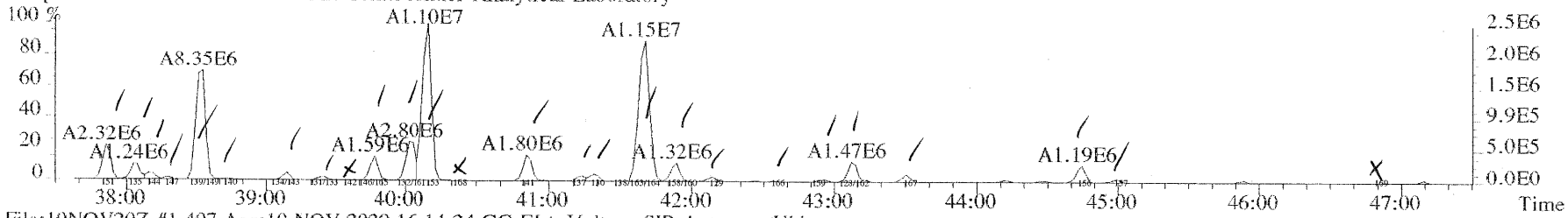
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



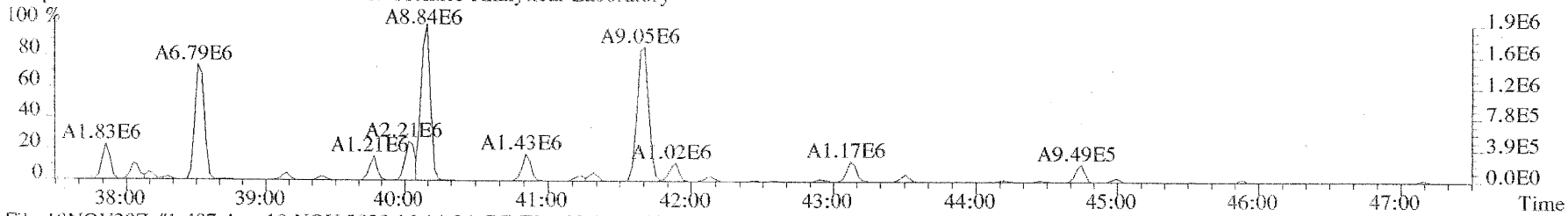
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



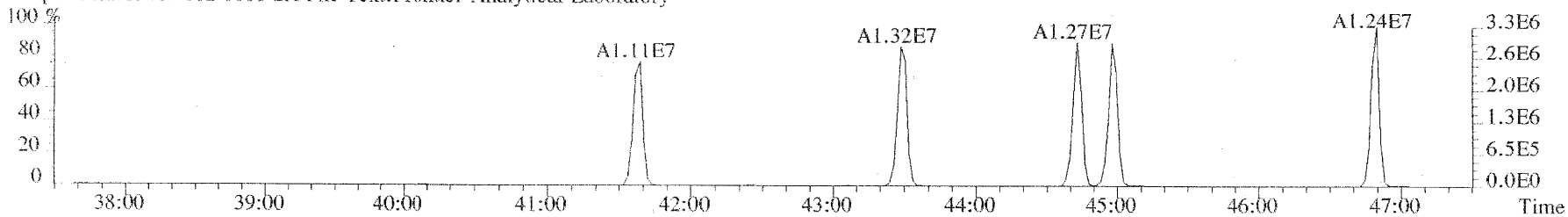
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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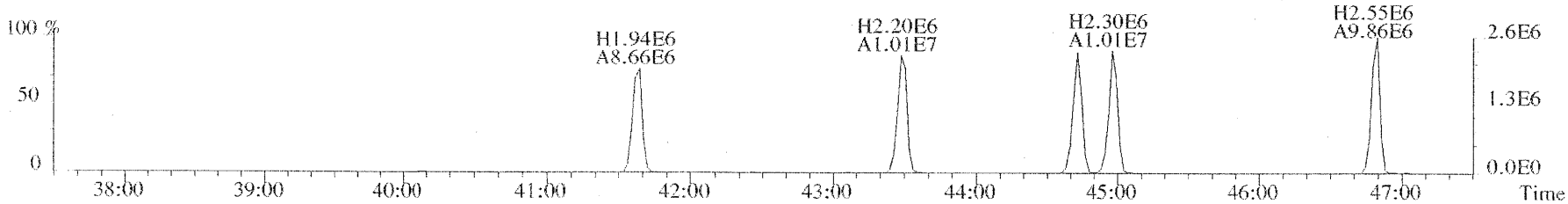
373.8788 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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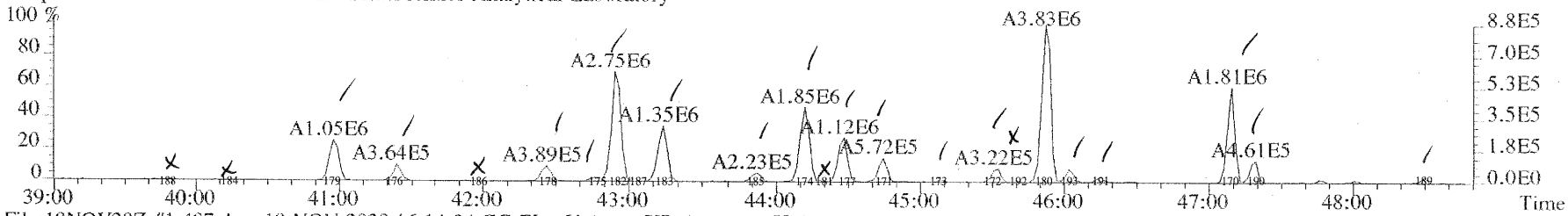
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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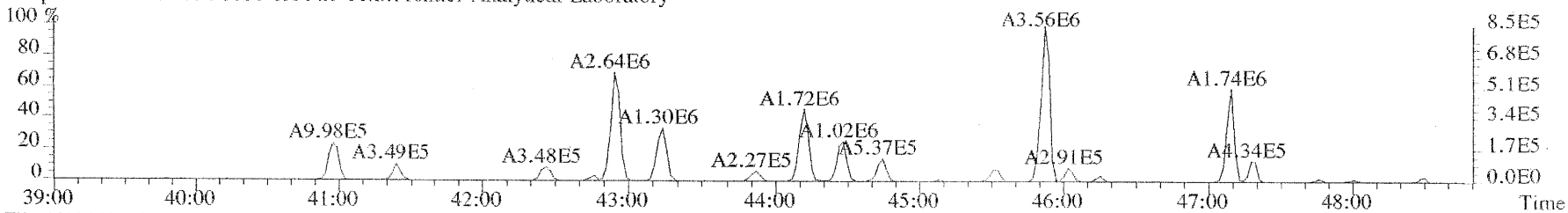

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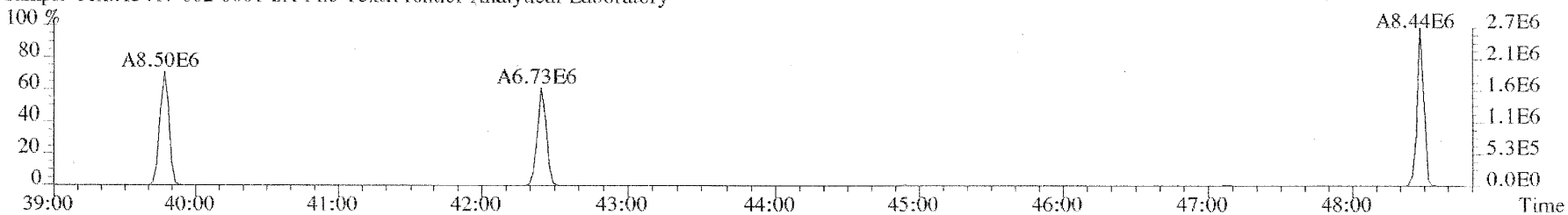
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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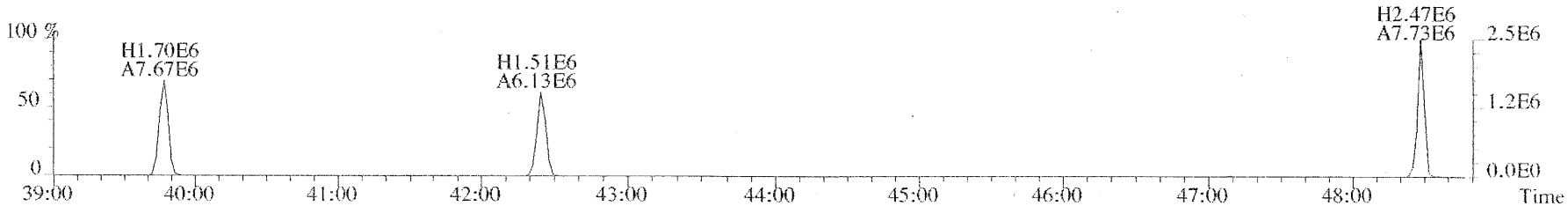
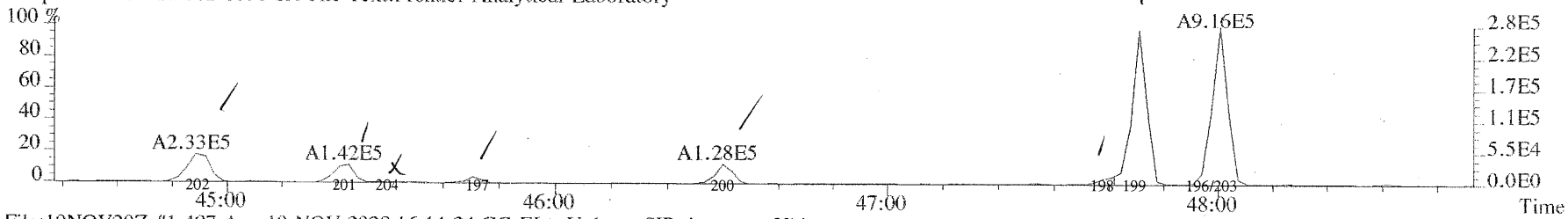
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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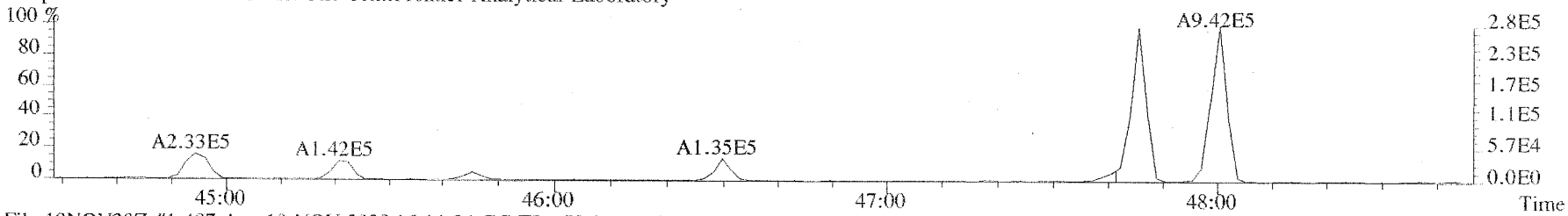
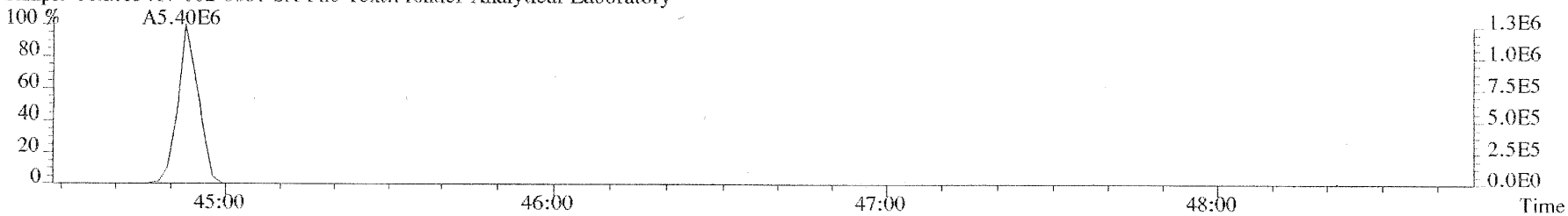
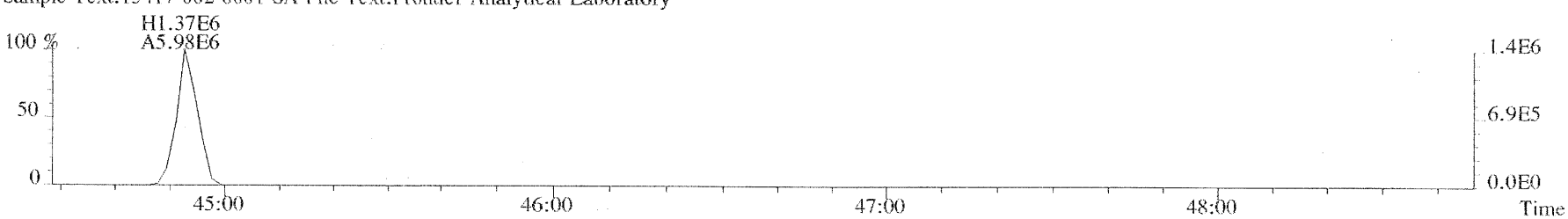
429.7606 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



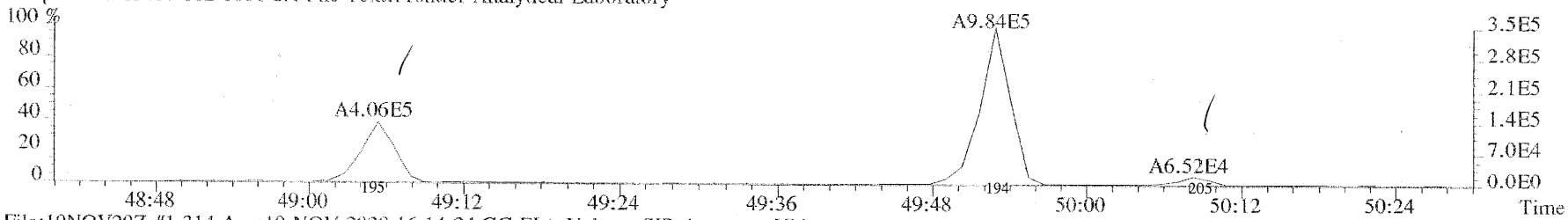
File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-407 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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429.7606 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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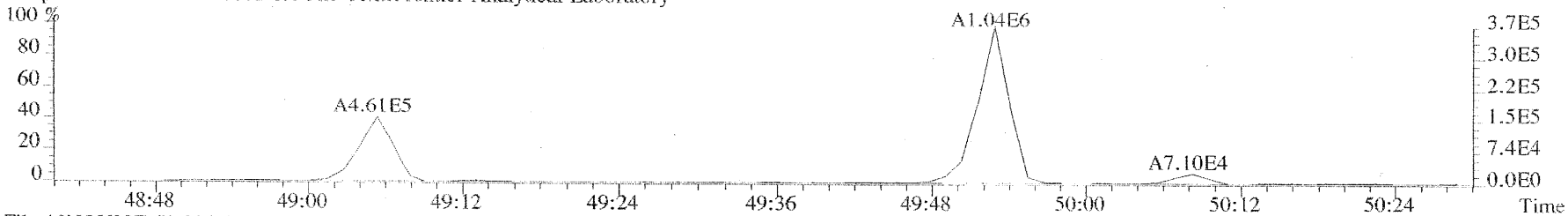
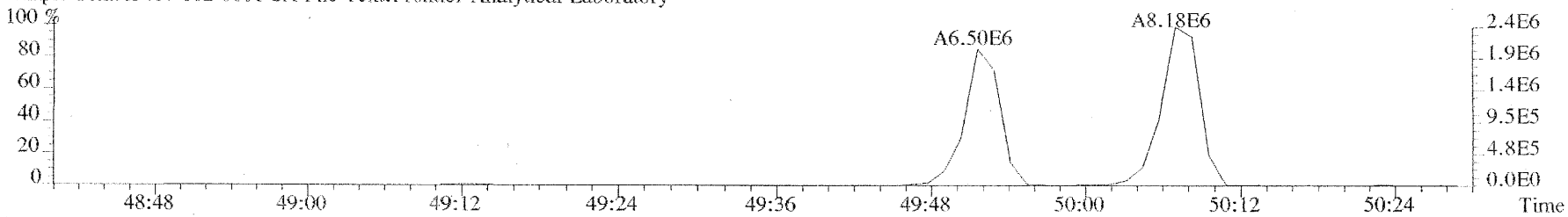


File:10NOV20Z #1-314 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 16:14:24 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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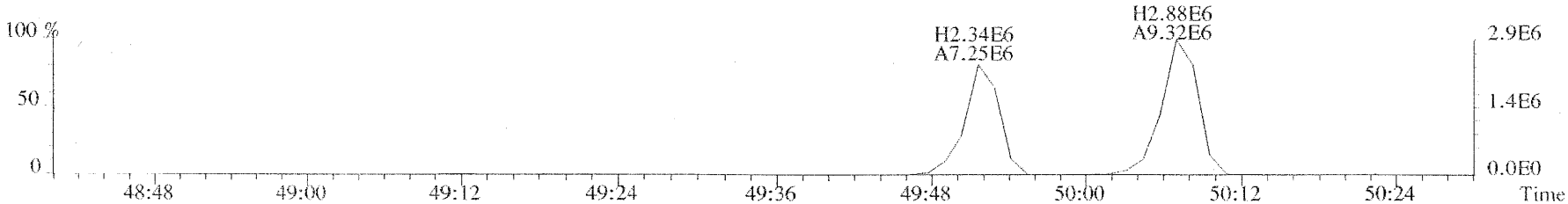

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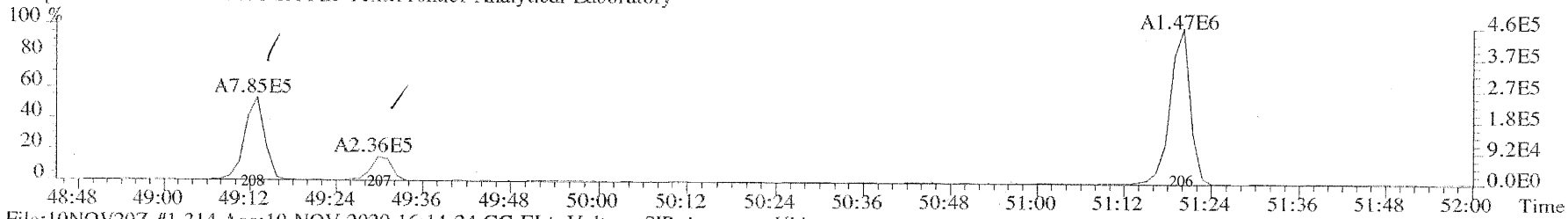
463.7216 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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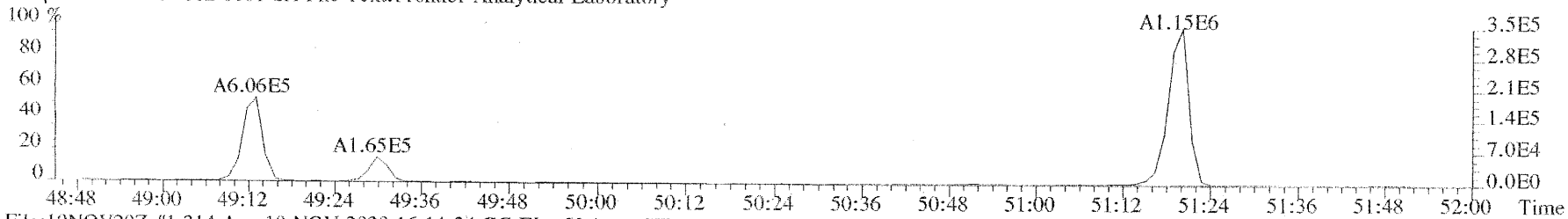

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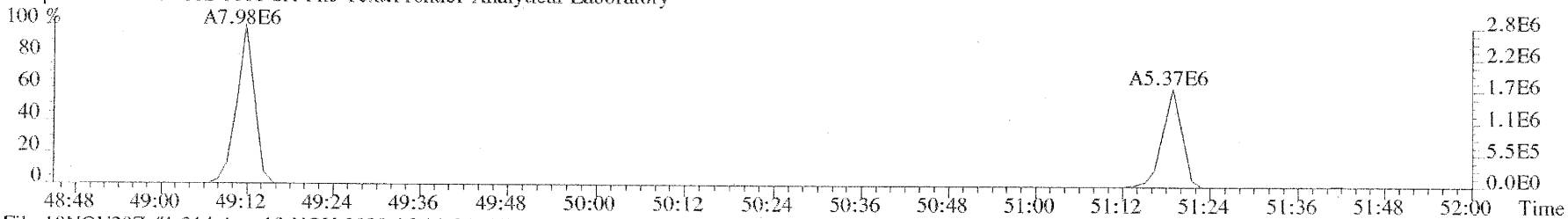
473.7648 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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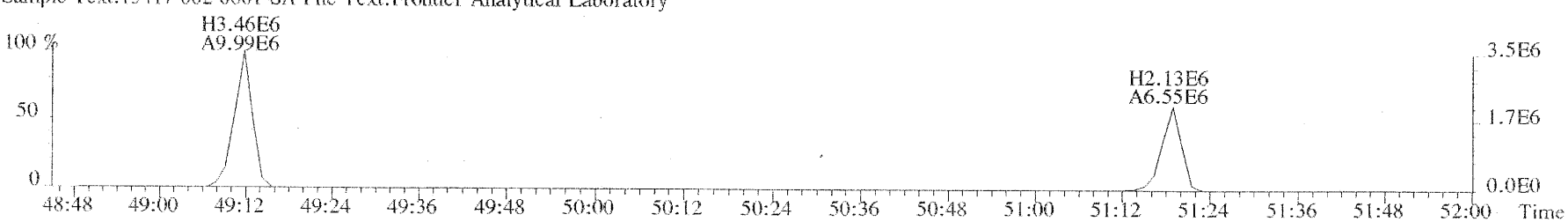

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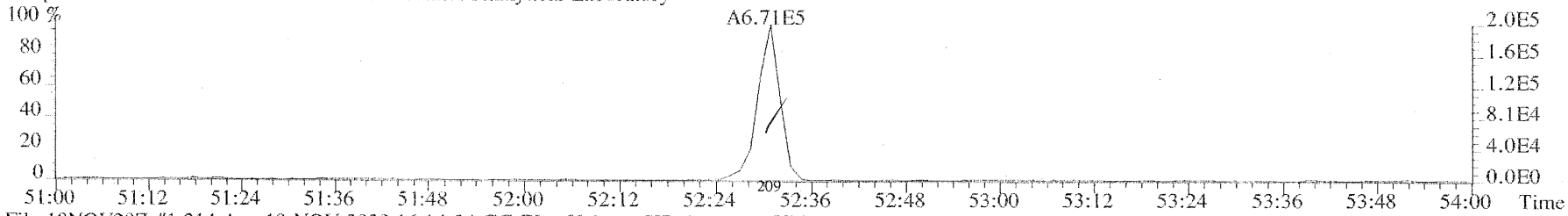

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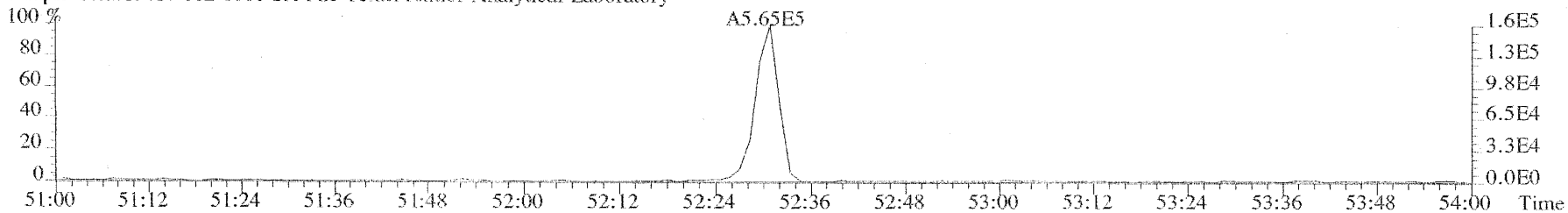

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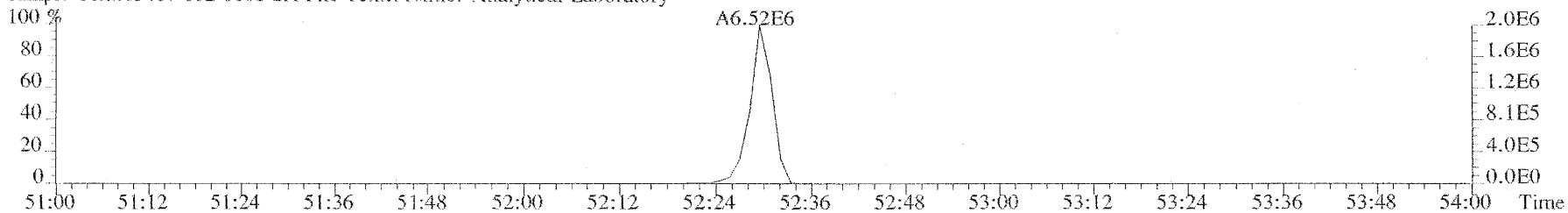
509.7229 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13417-002-0001-SA File Text:Frontier Analytical Laboratory



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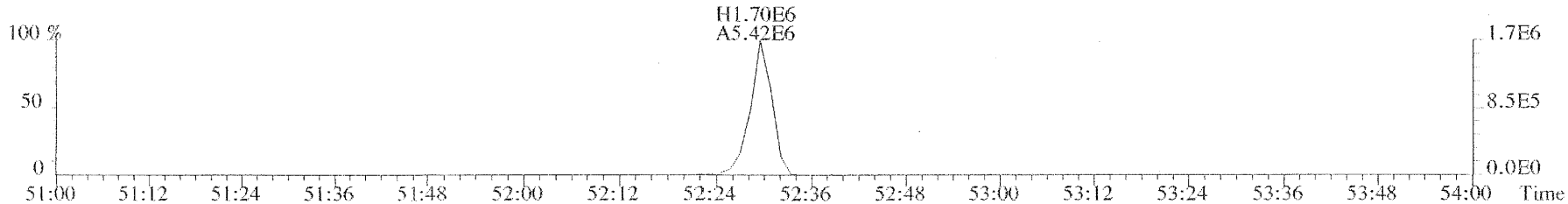


Frontier Analytical Laboratory

Data Filename: 22JUL20Z

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

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

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

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

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

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

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

Analyst: _____ Date: 7/28/20

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

Analyst: [illegible] Date: 7/22/20

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

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

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

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

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

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

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

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

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

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

Frontier Analytical Laboratory - Acquisition Log

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

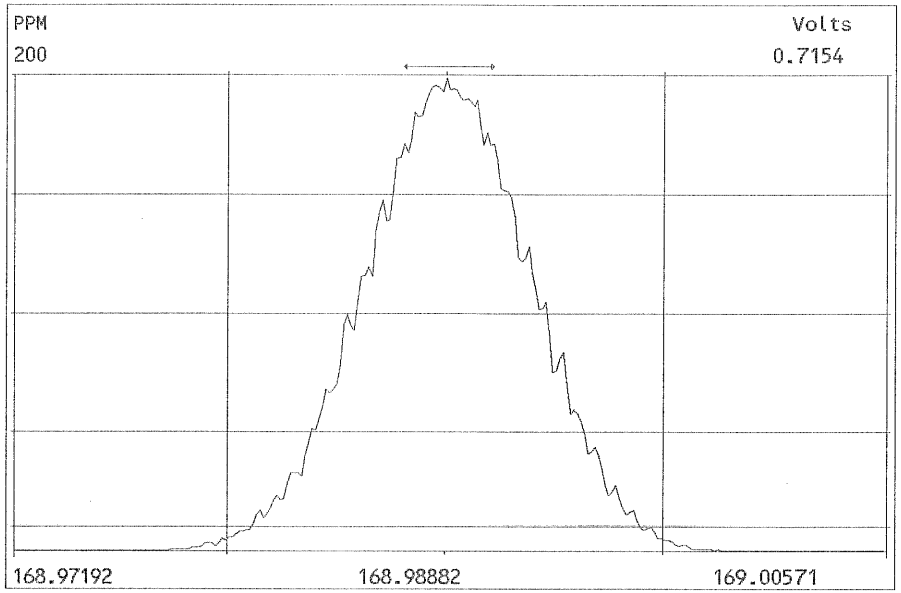
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399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

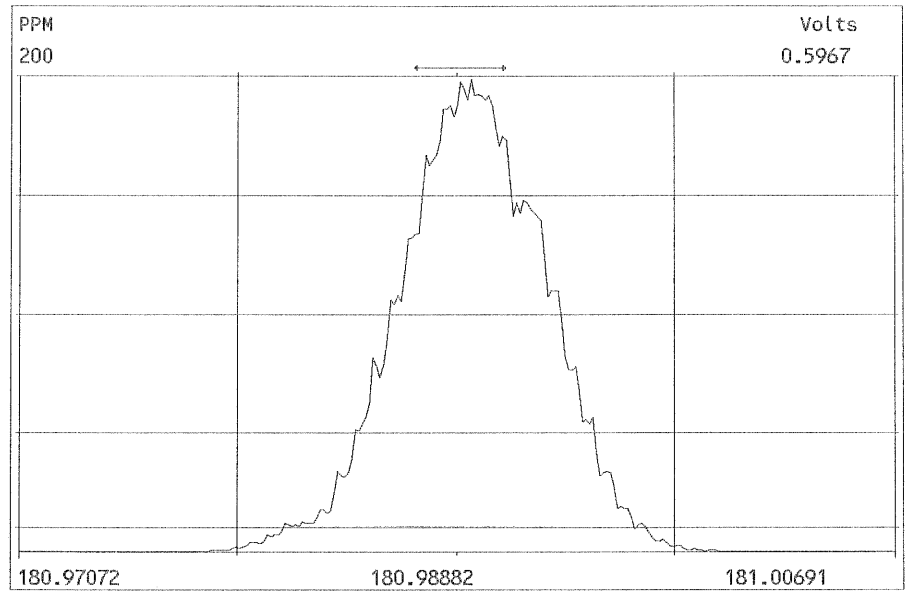
7/28/20

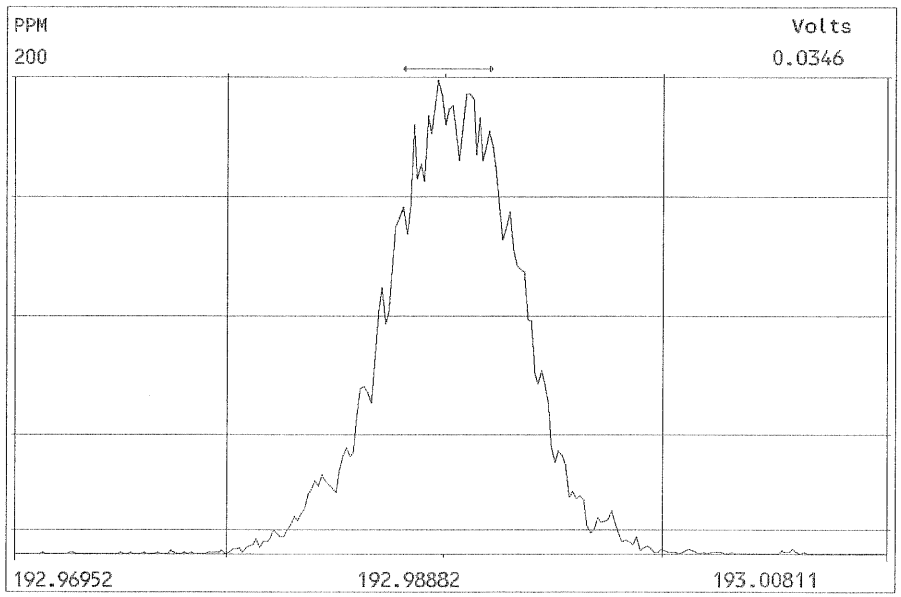
Data Backed Up:_____

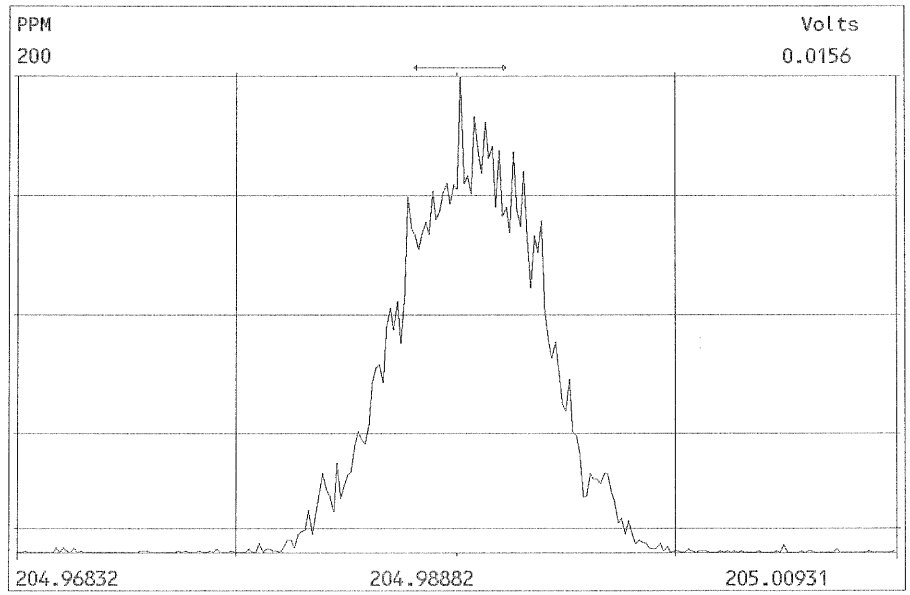
Date:_____

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

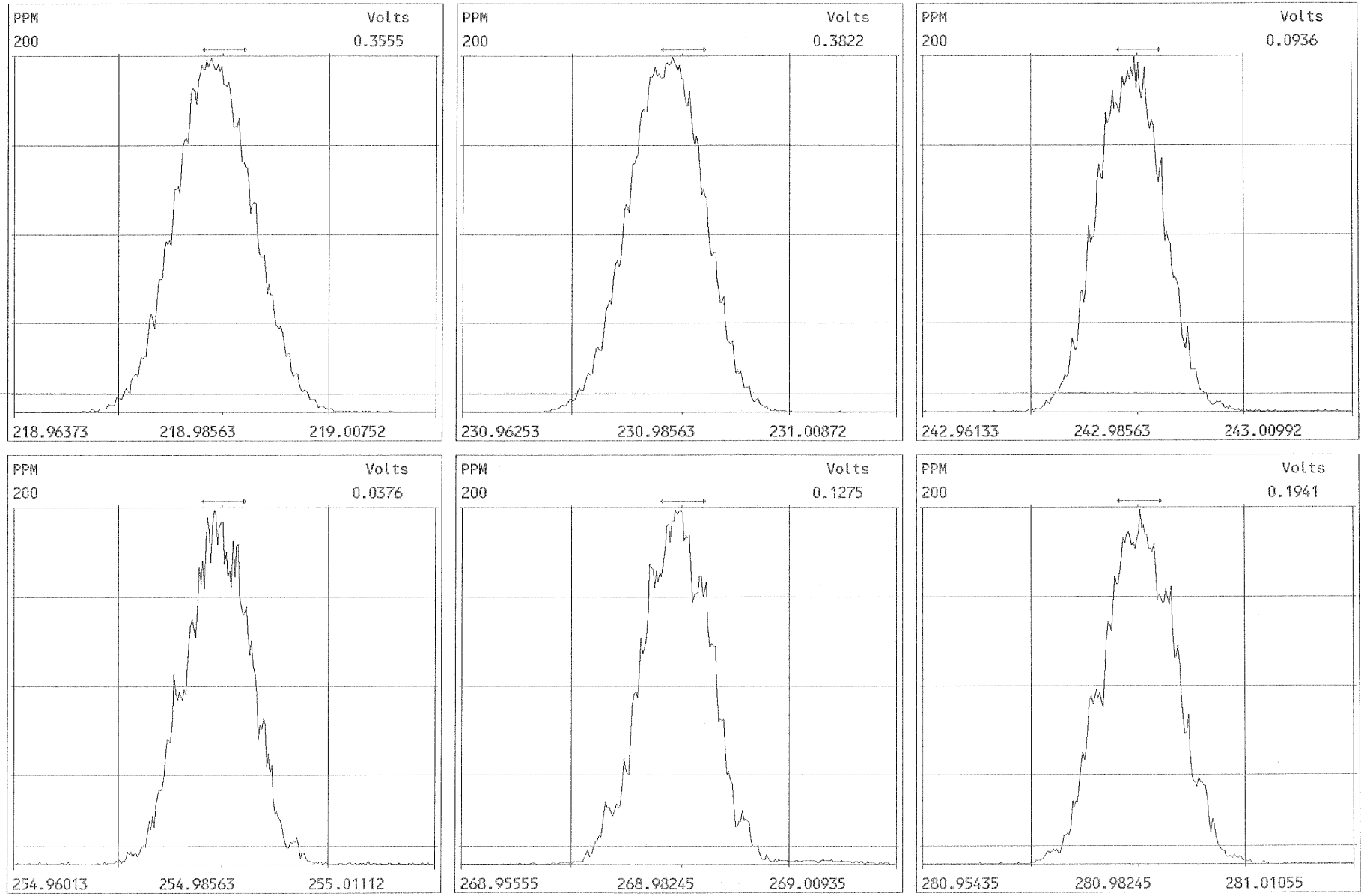




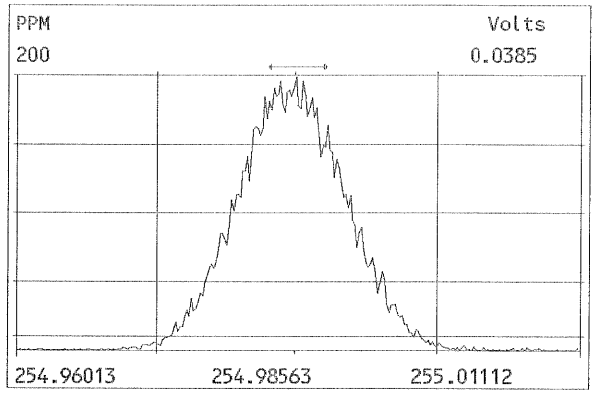


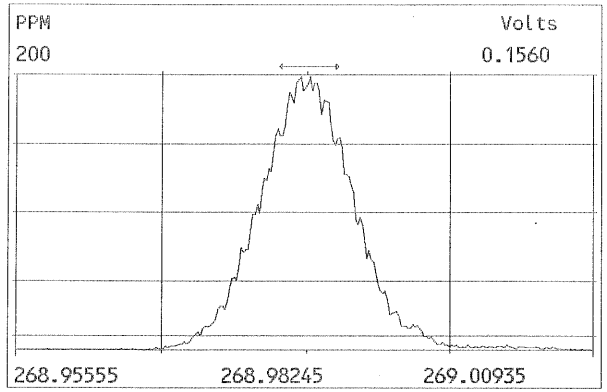


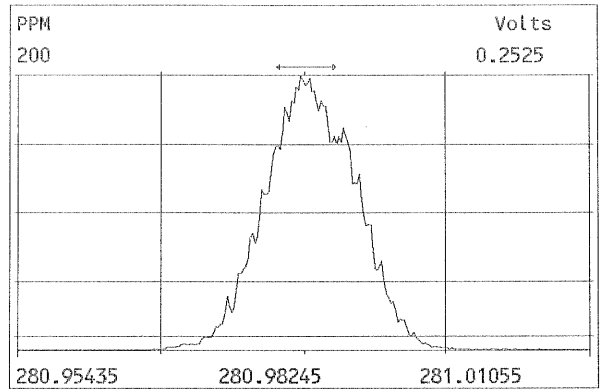
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

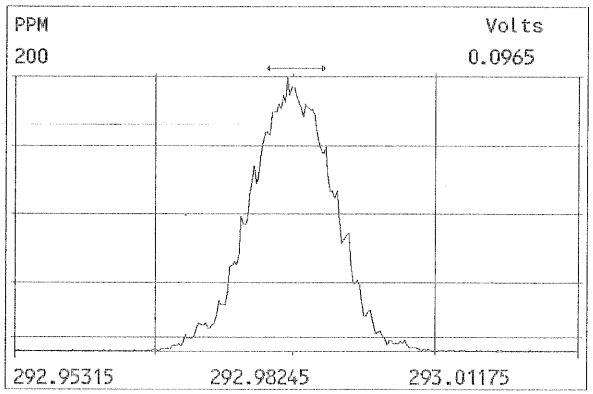


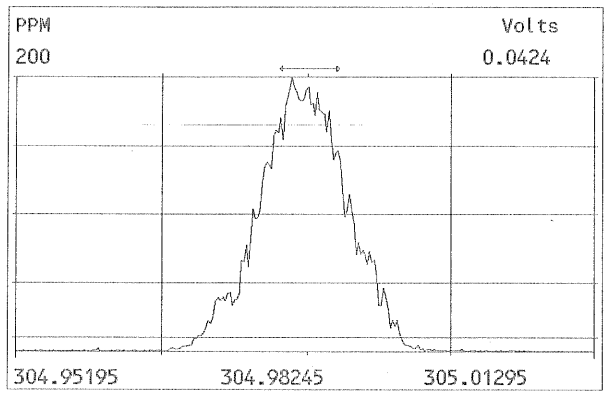
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

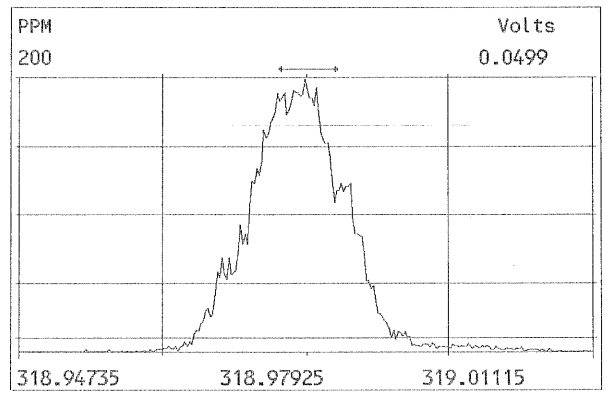


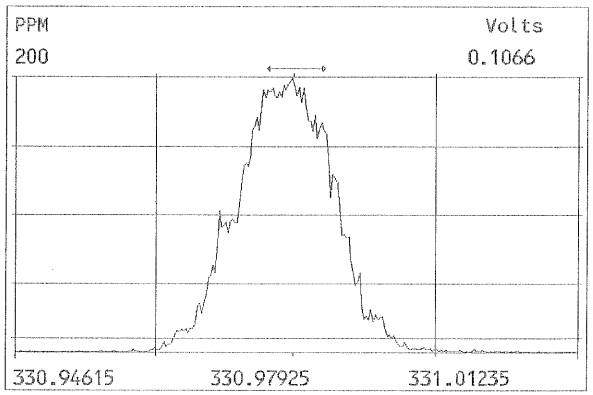


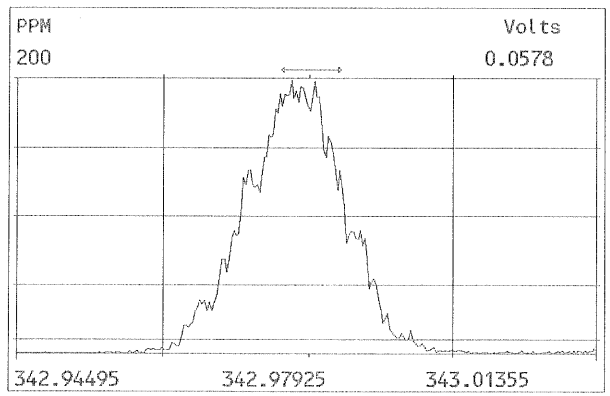




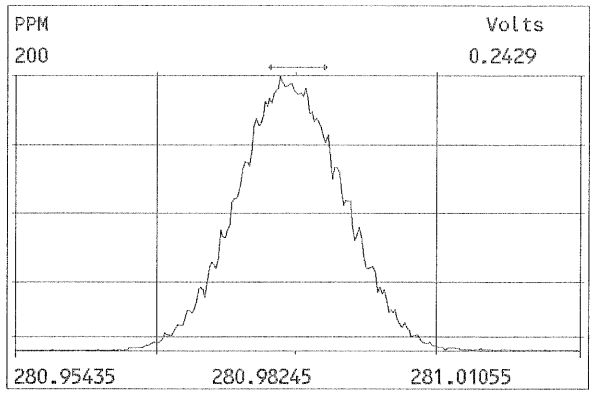


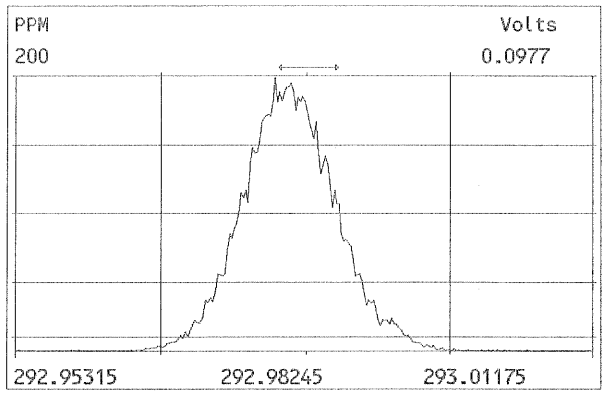


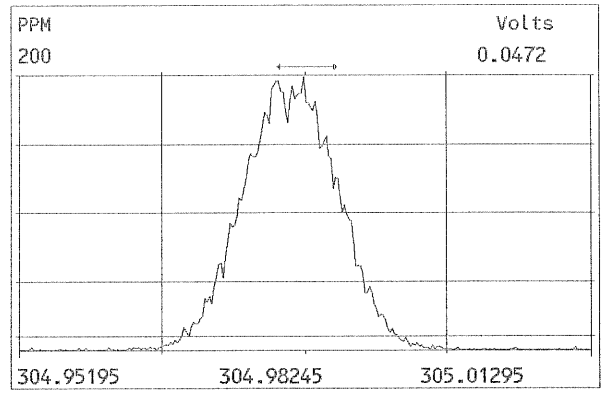


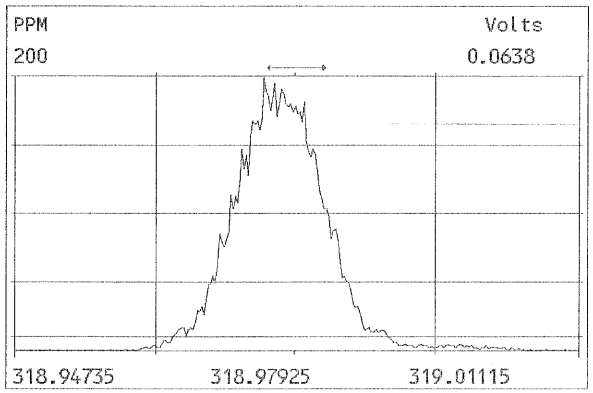


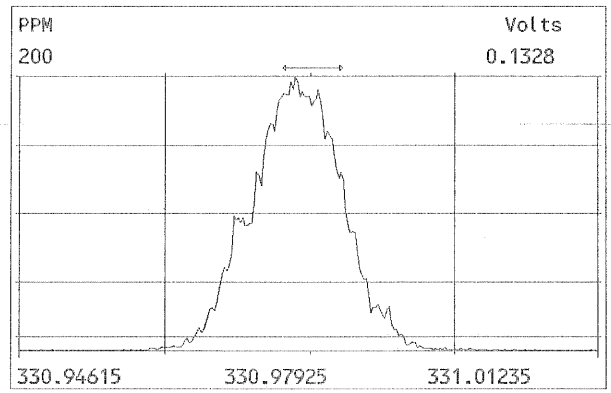
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

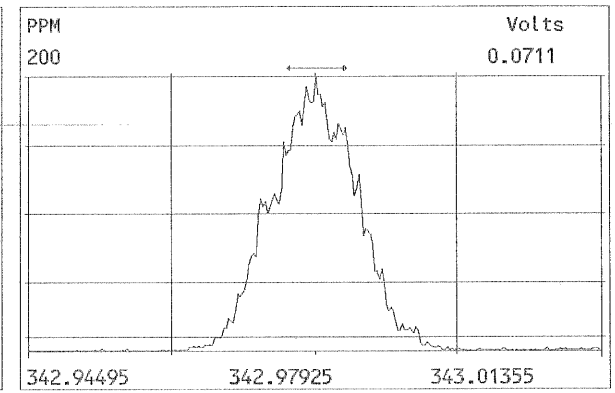


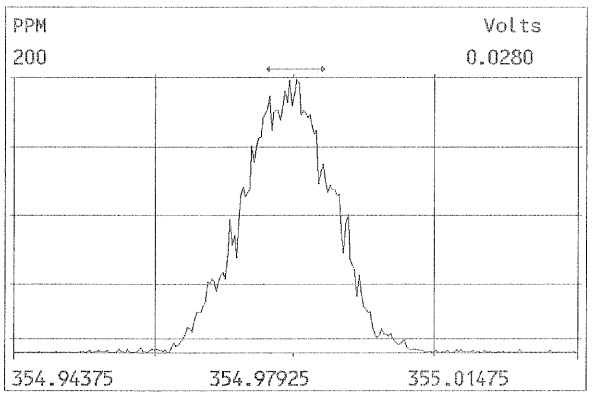


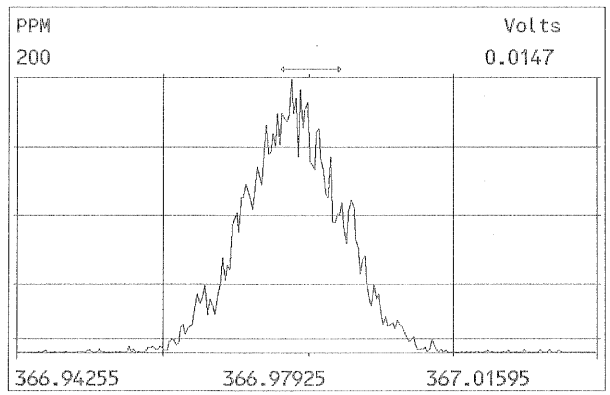


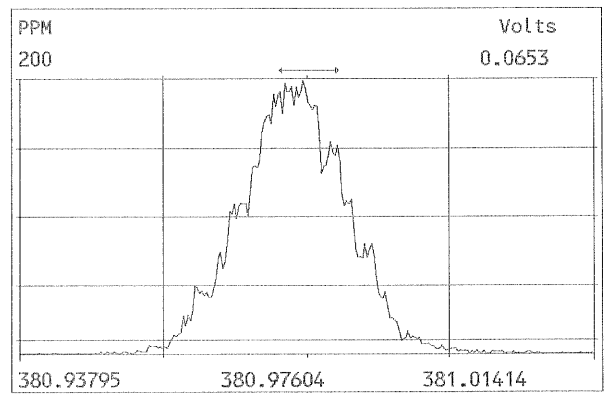




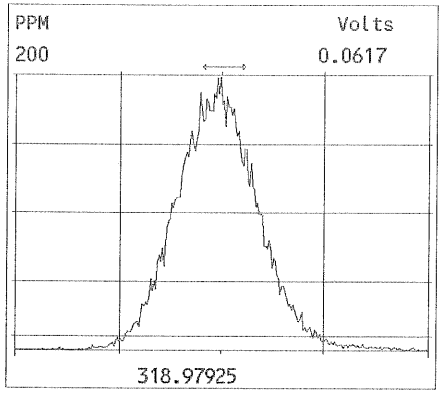


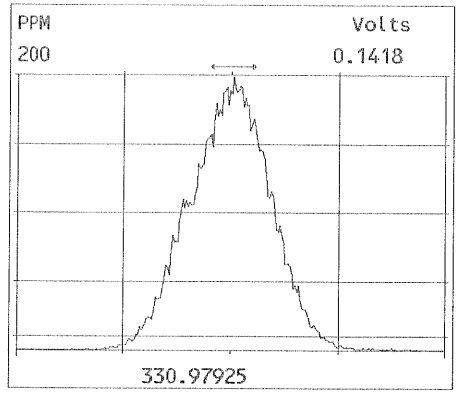


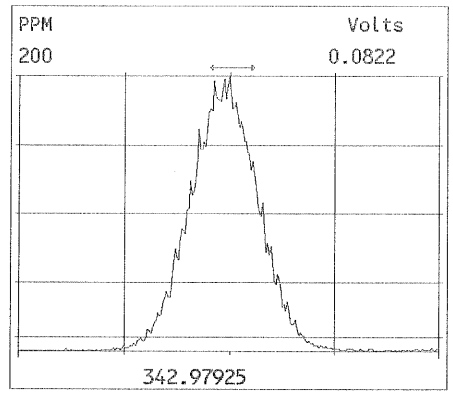


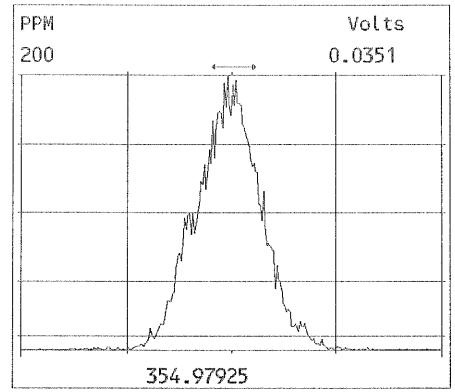


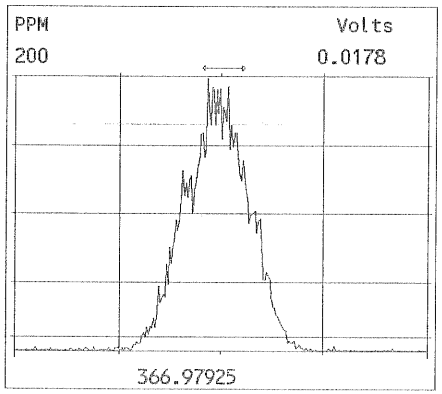
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

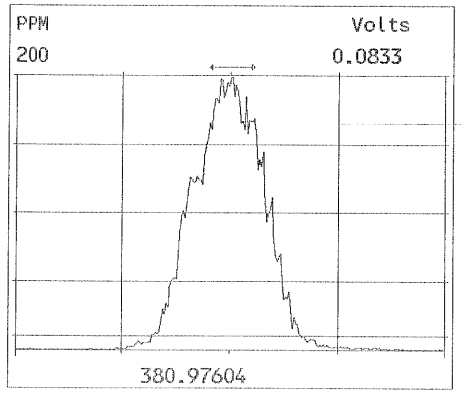


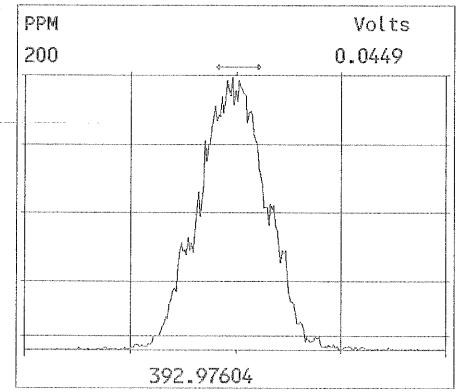


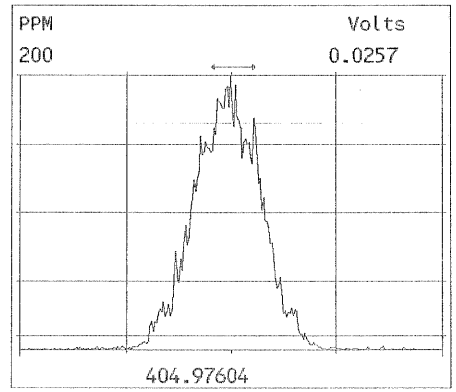


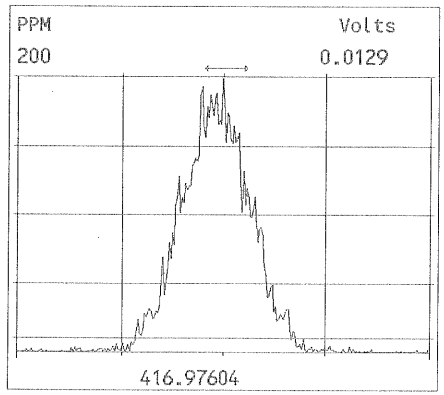


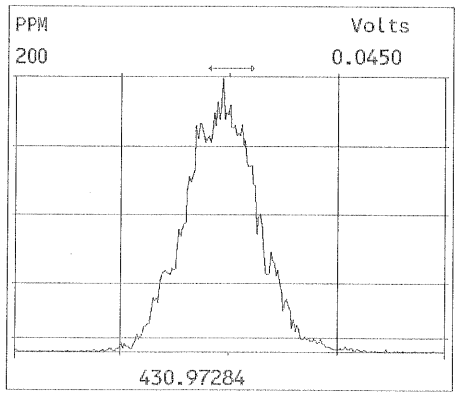


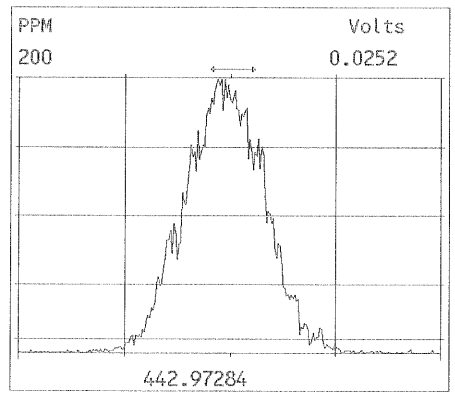




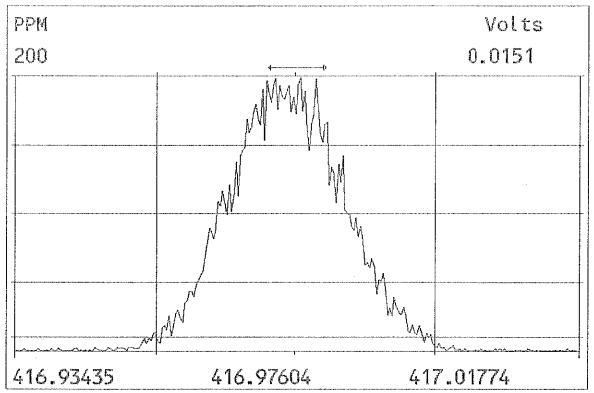


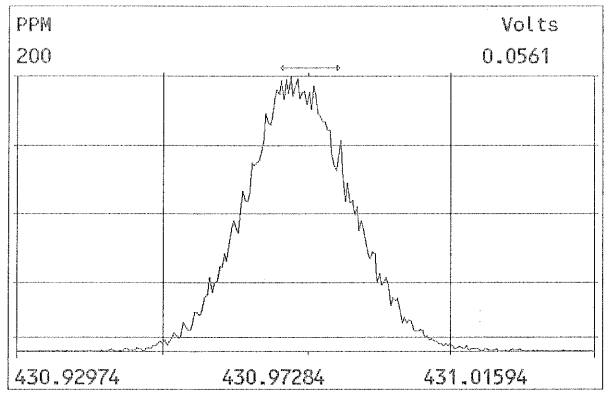


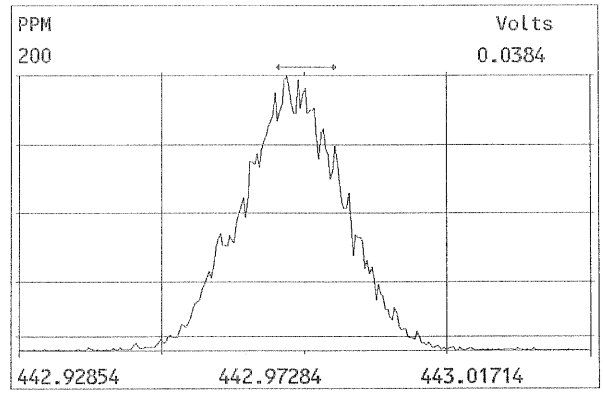


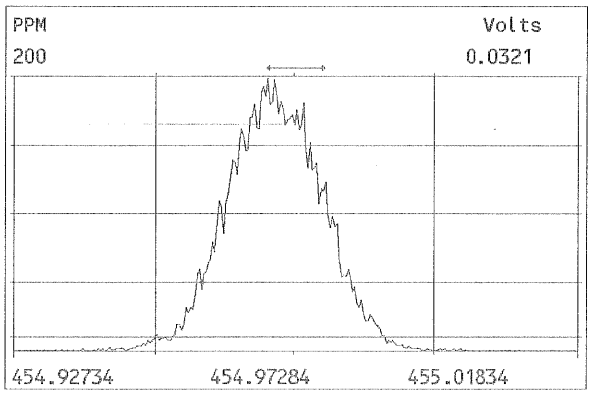


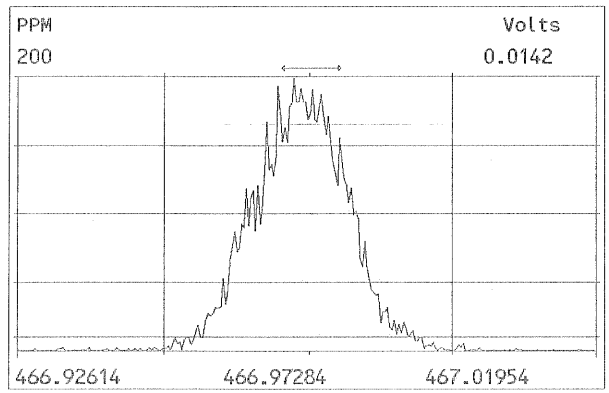
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

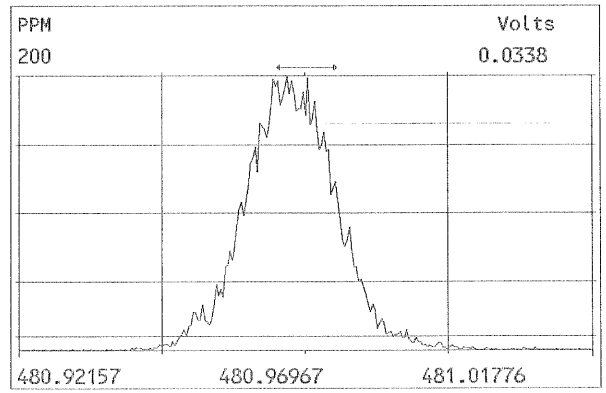


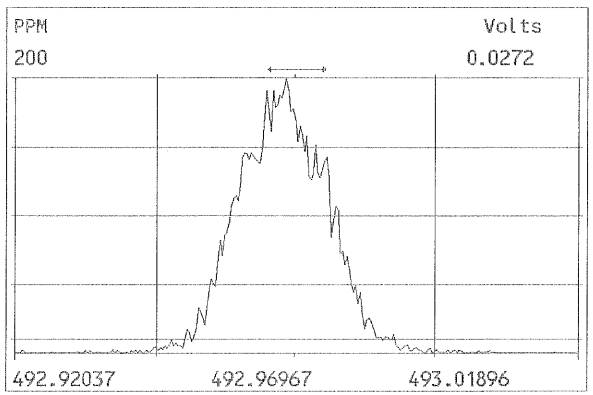


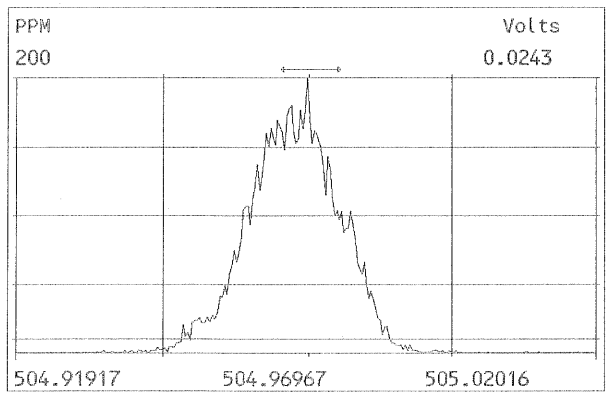


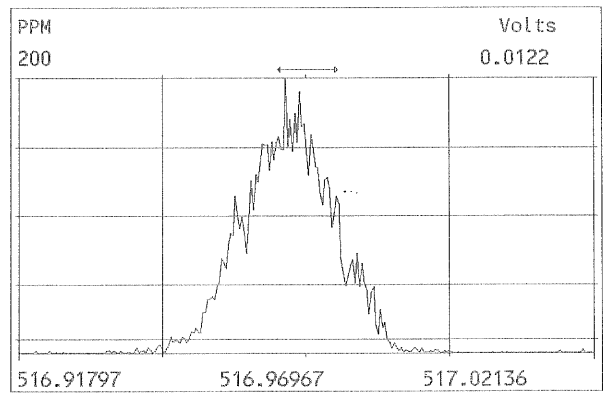




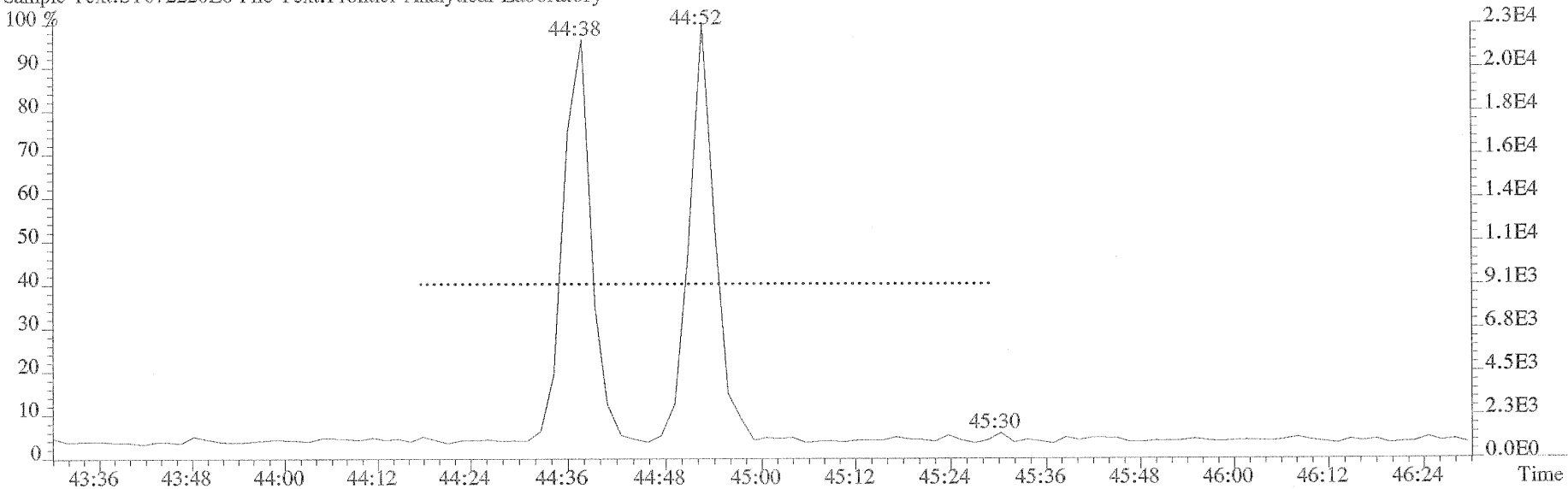








File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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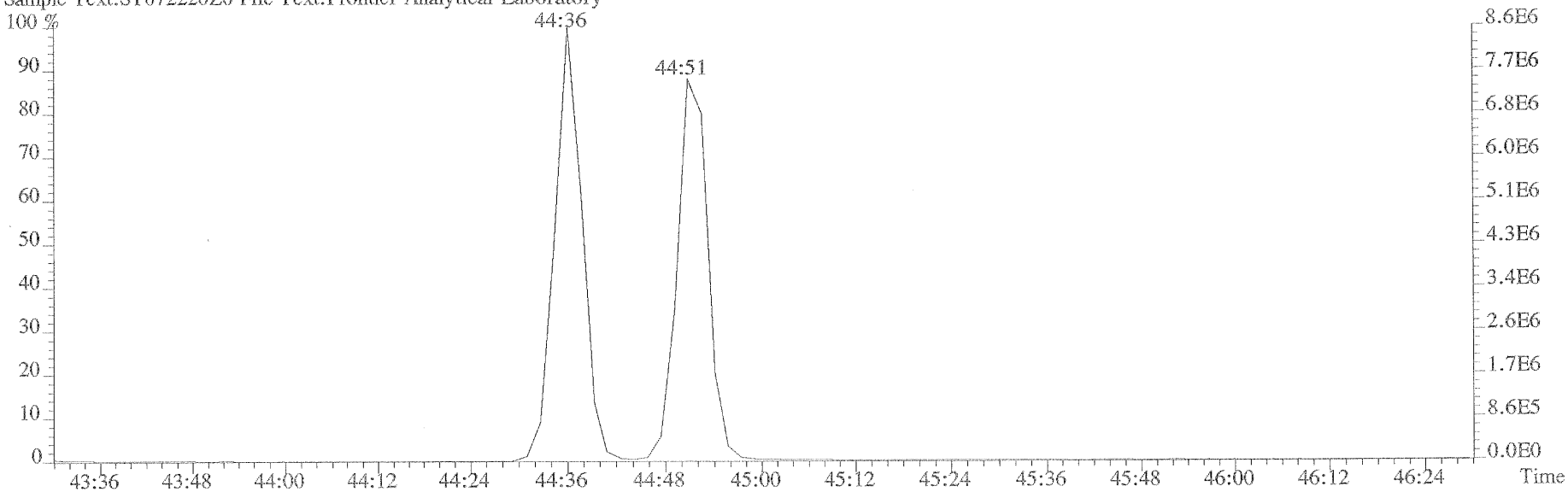
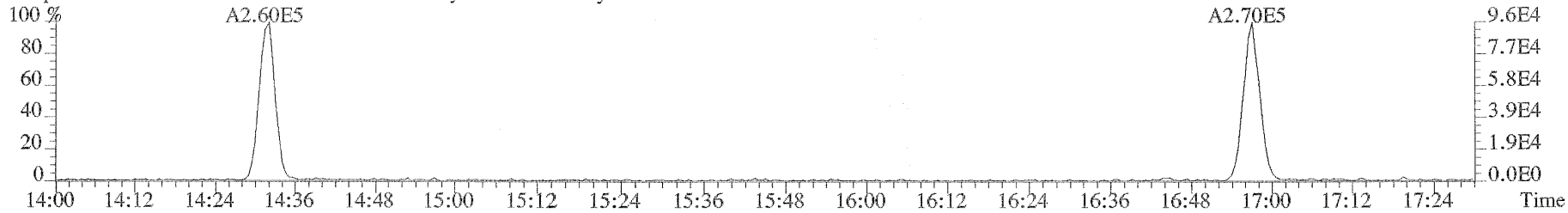
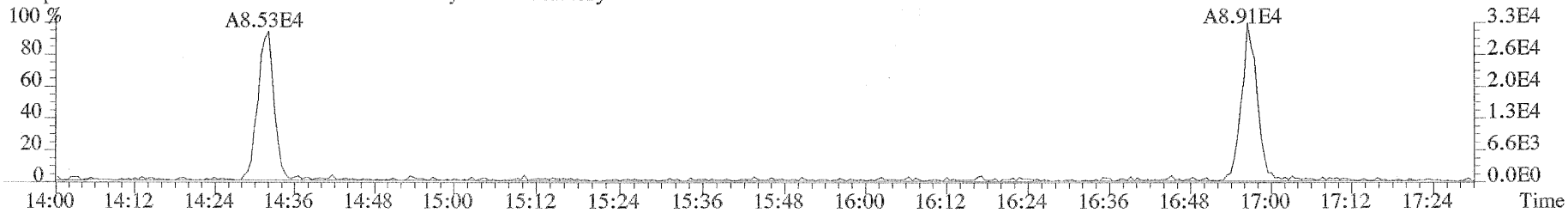
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



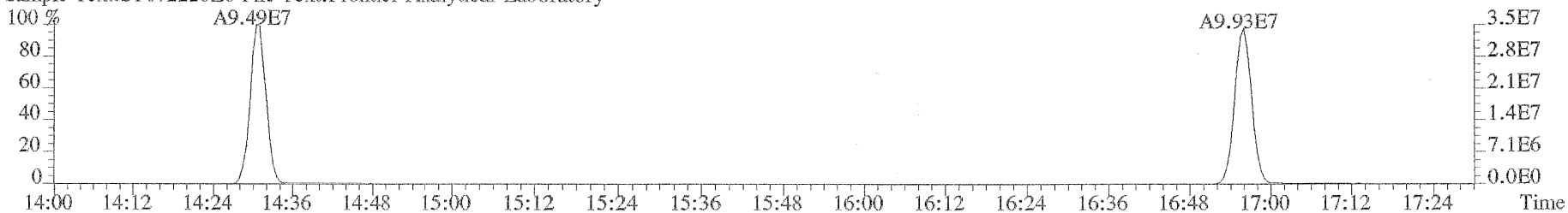
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



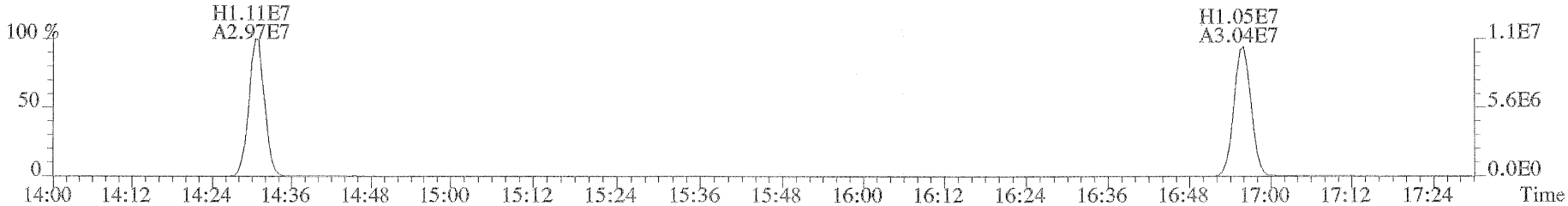
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



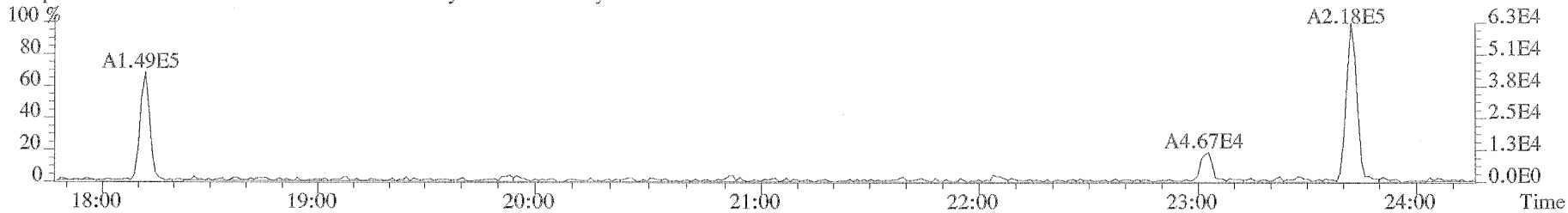
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



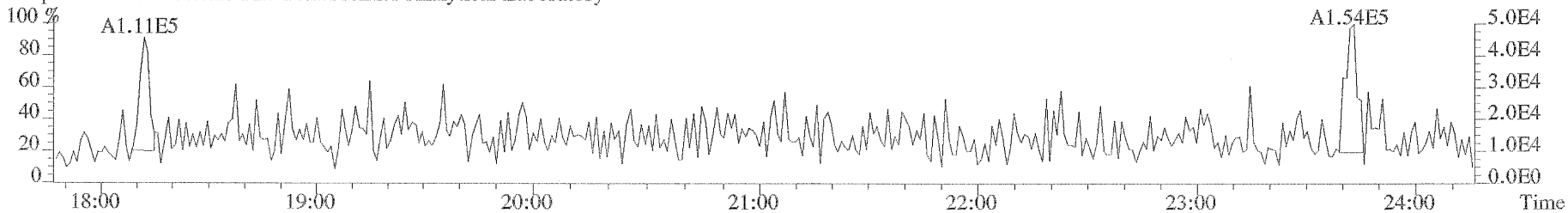
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



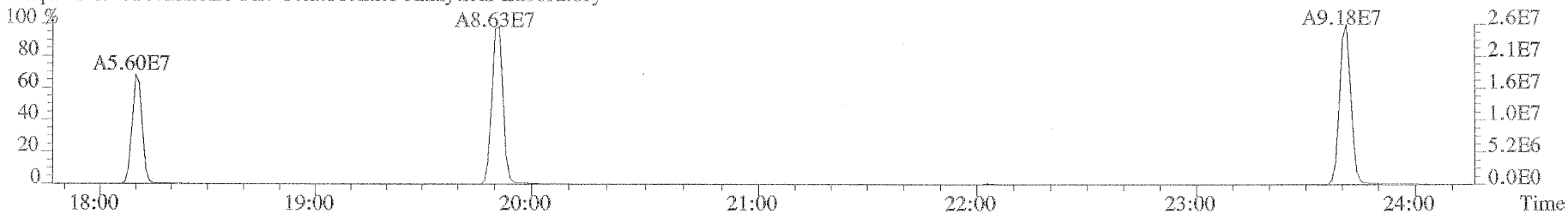
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



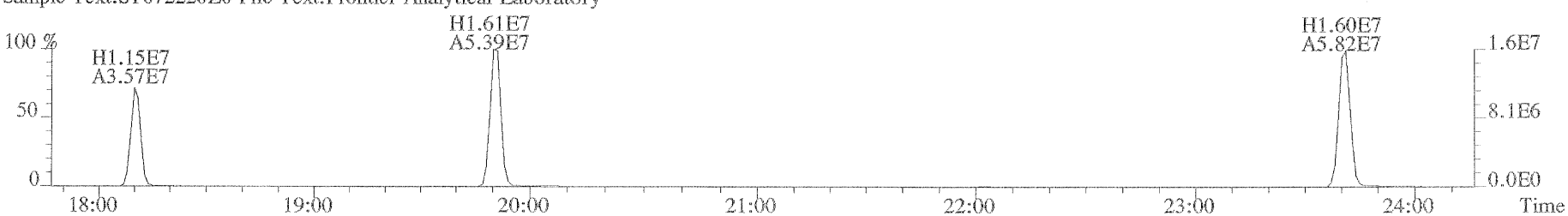
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



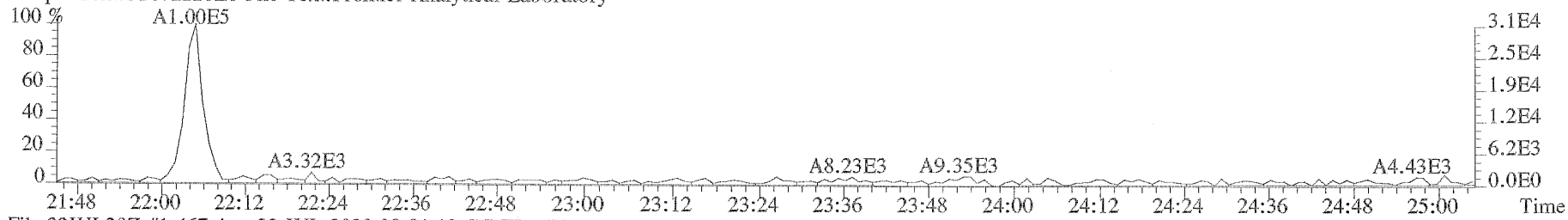
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



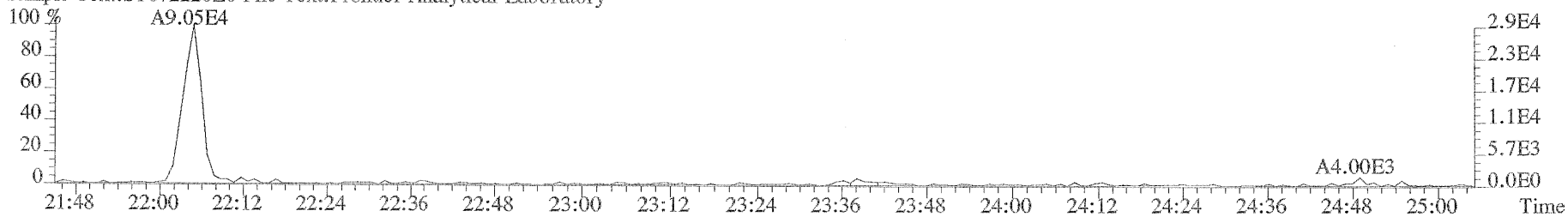
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



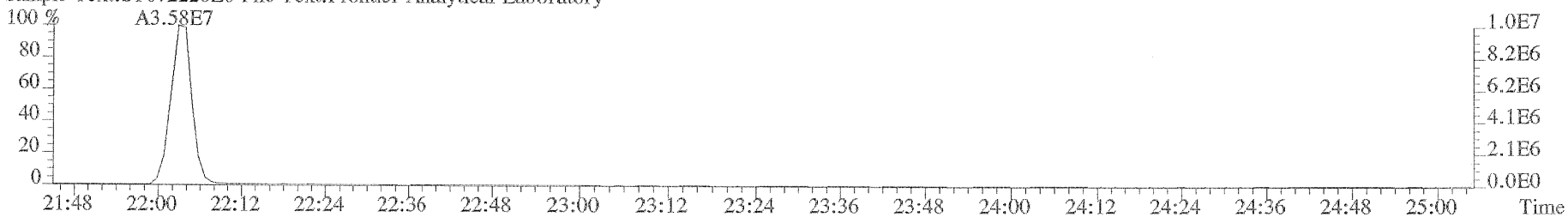
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



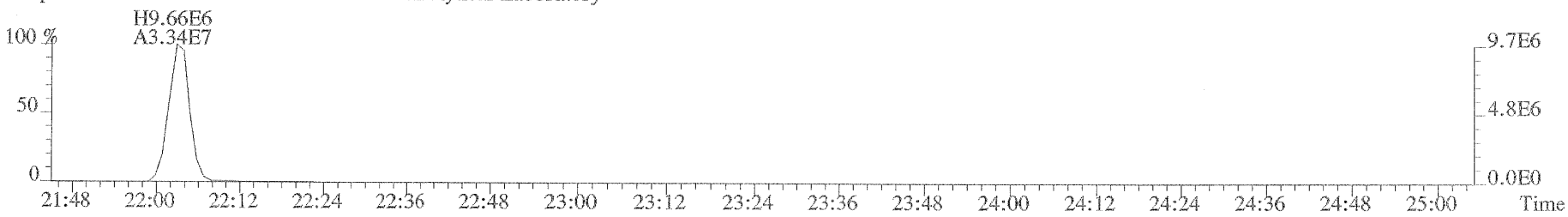
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



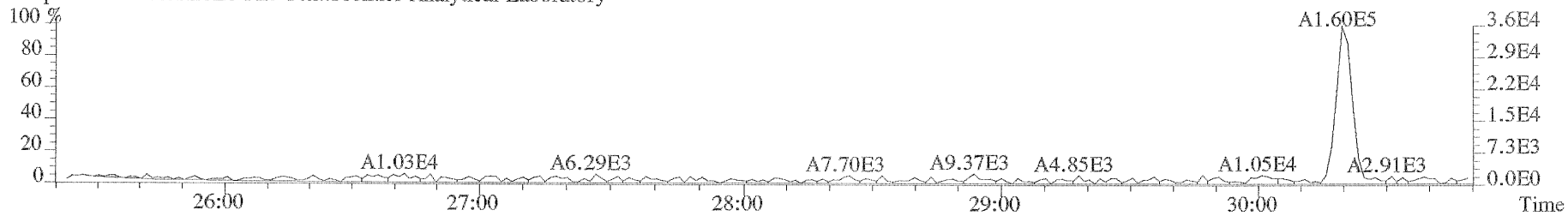
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



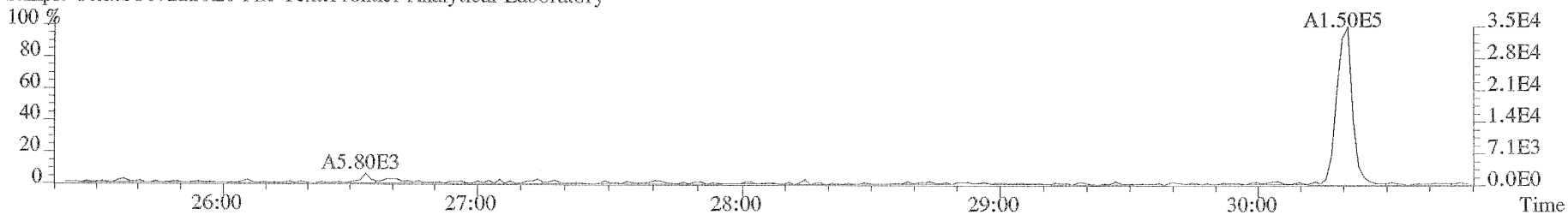
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



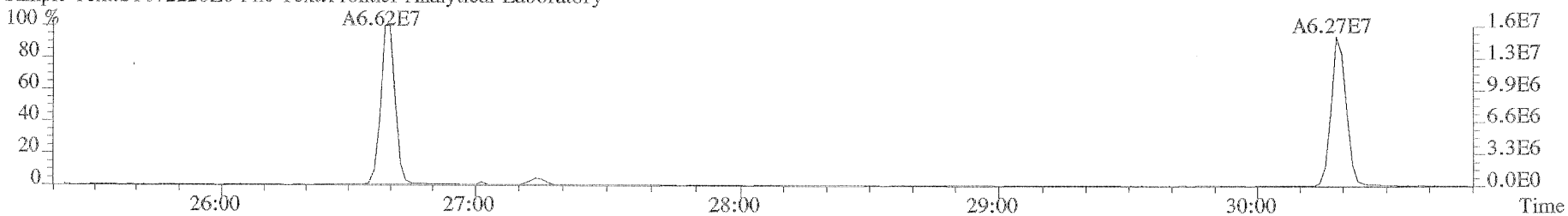
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



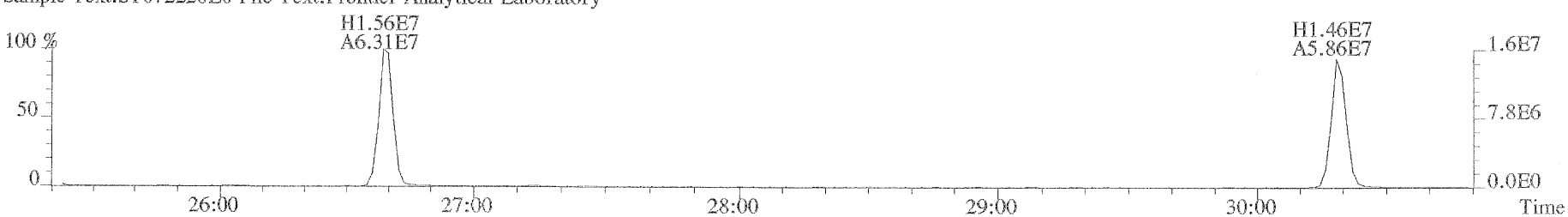
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



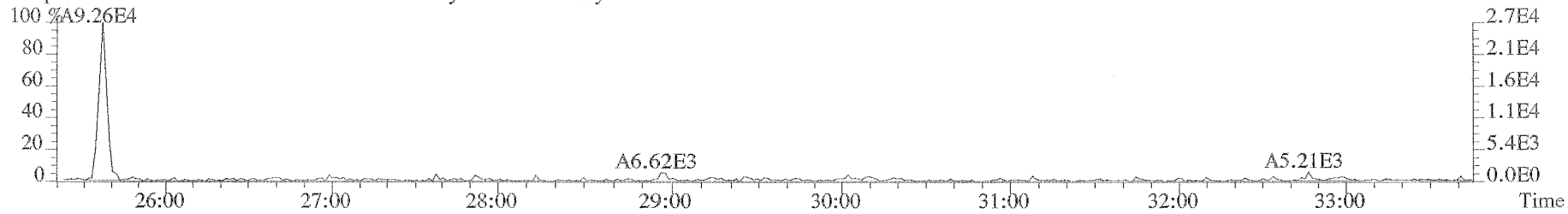
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



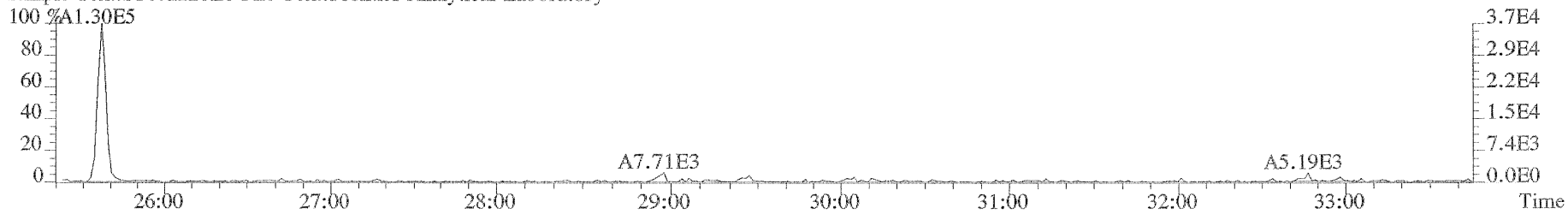
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



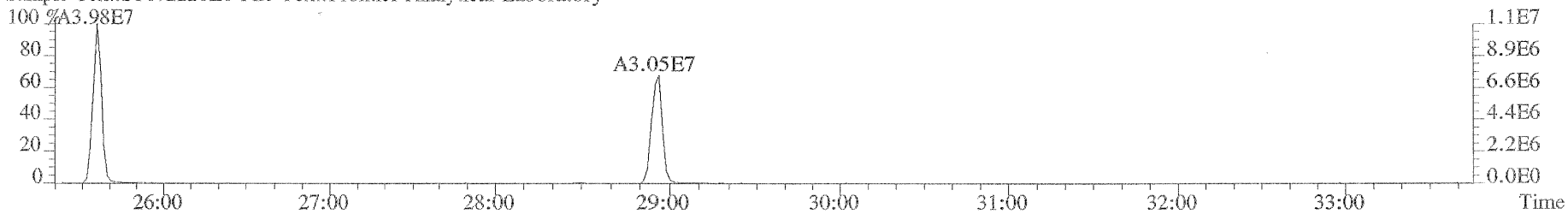
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



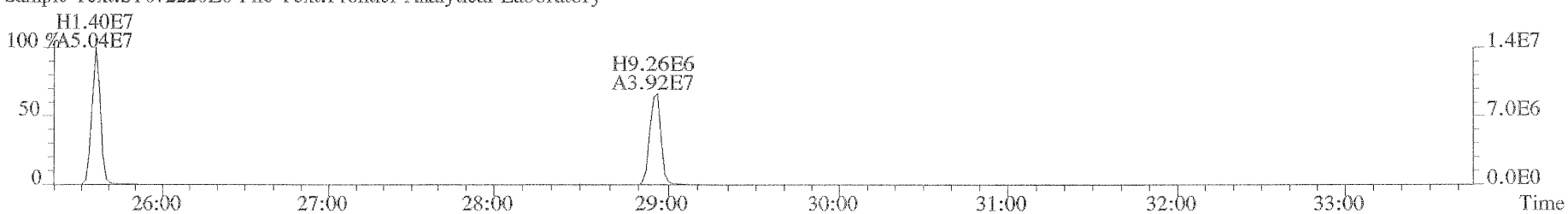
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



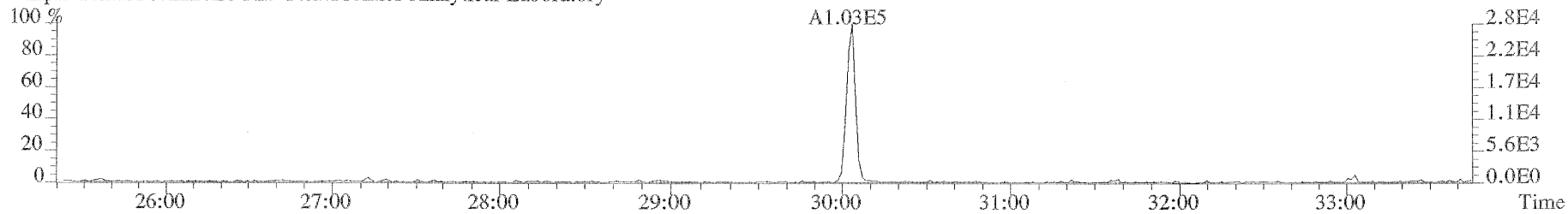
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



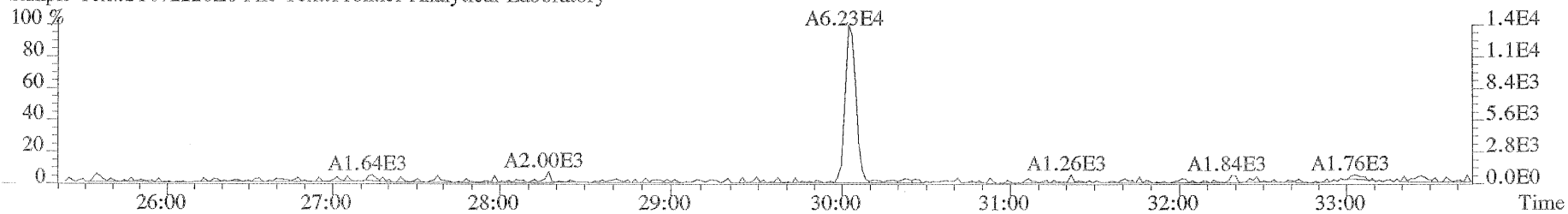
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



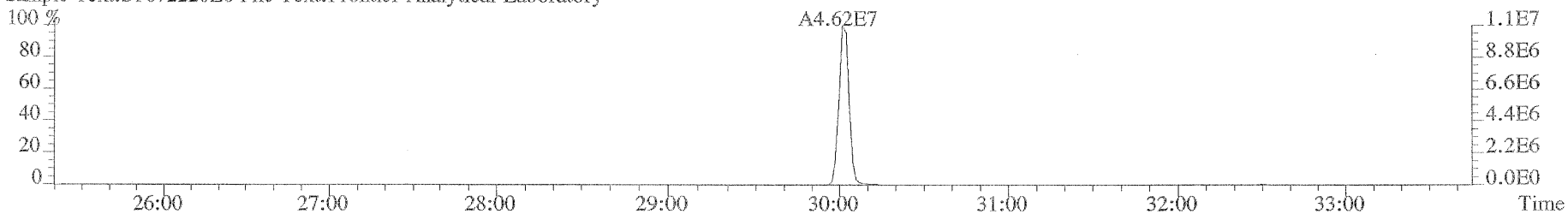
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



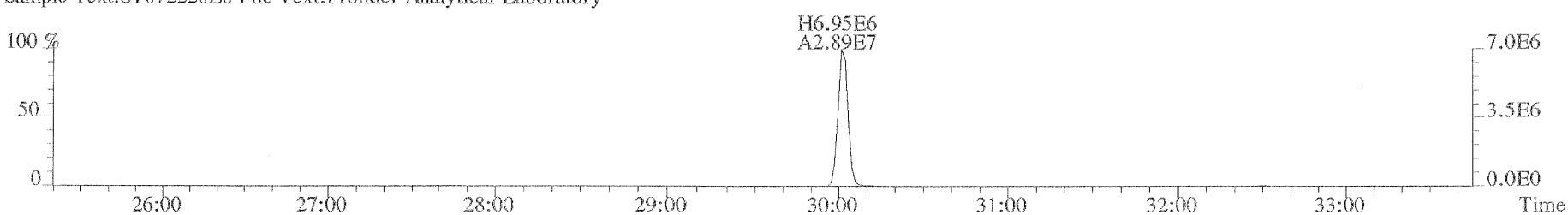
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



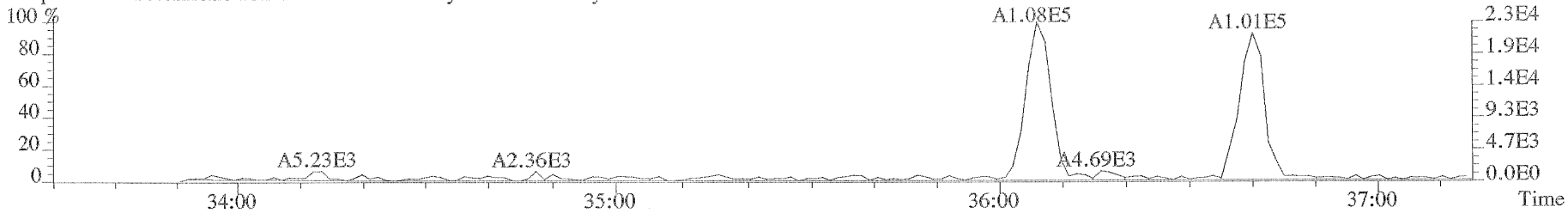
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



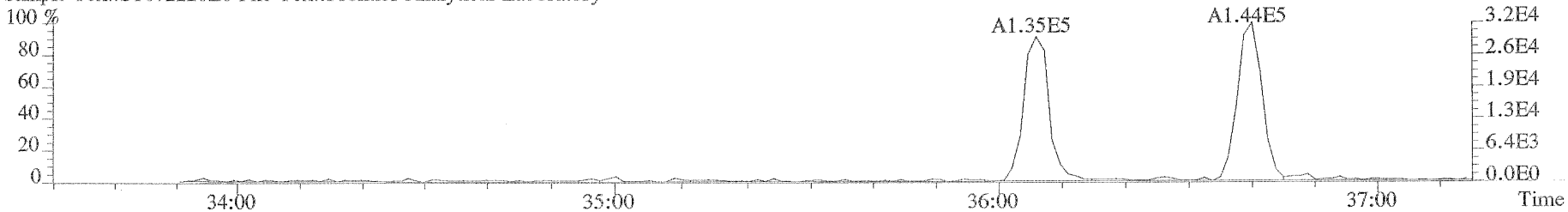
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



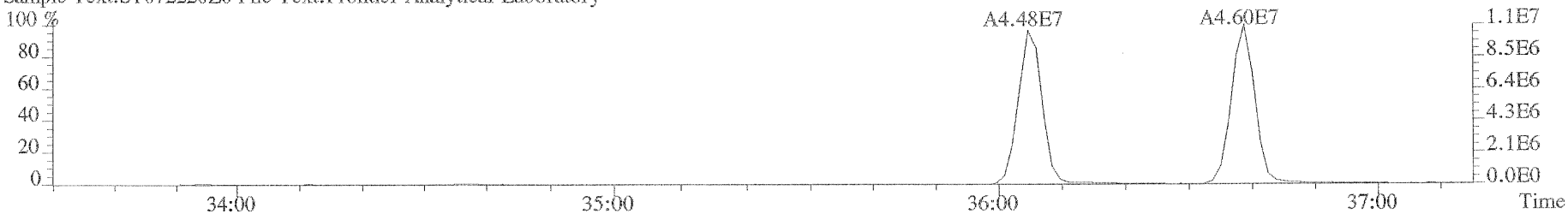
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



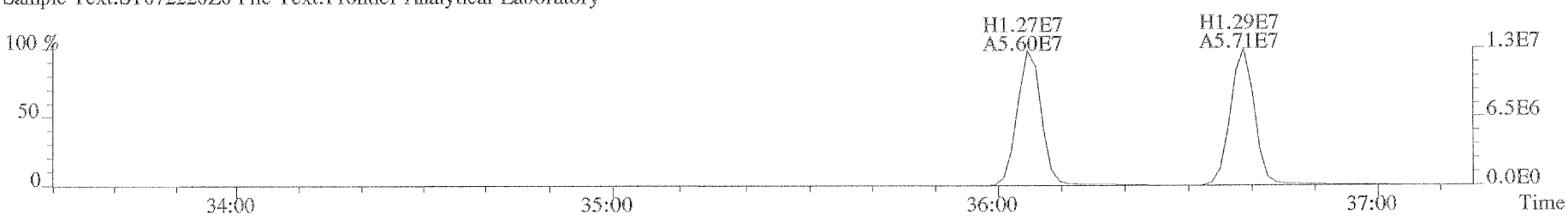
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



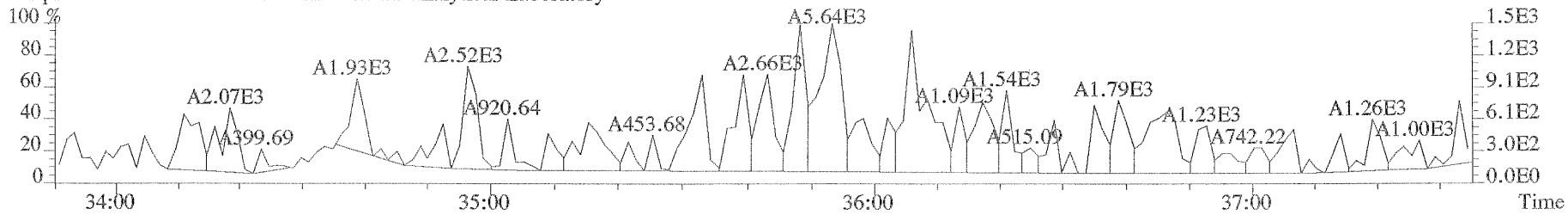
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



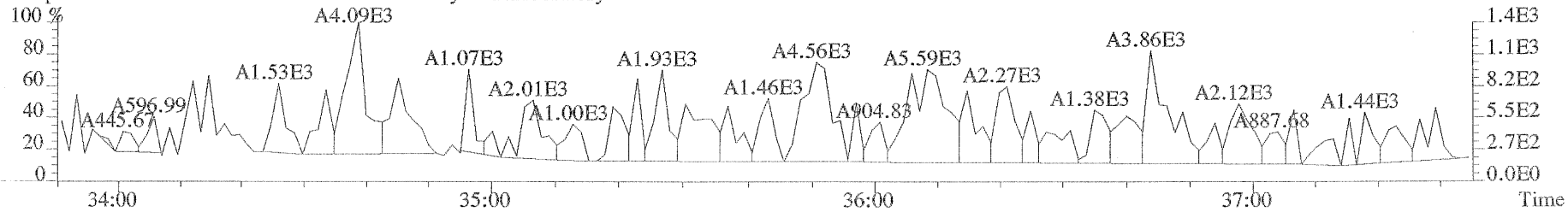
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



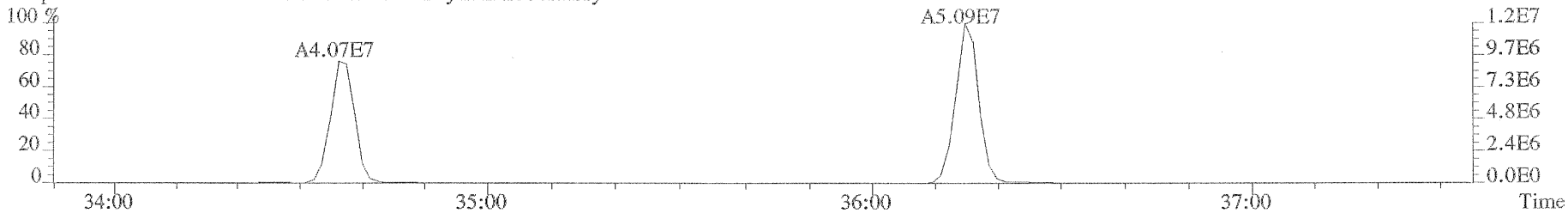
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



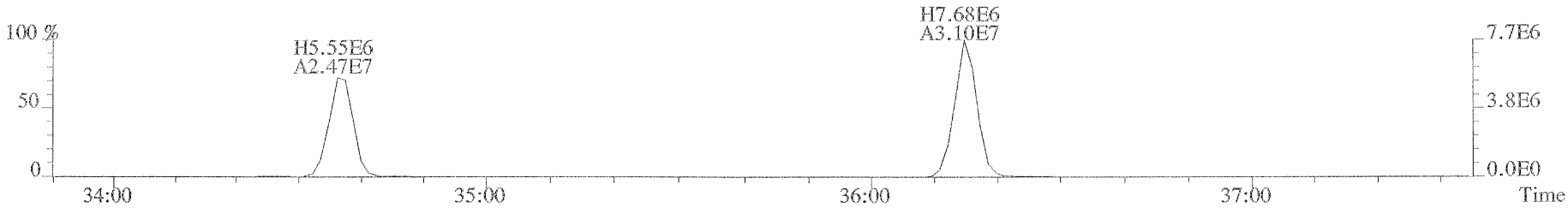
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



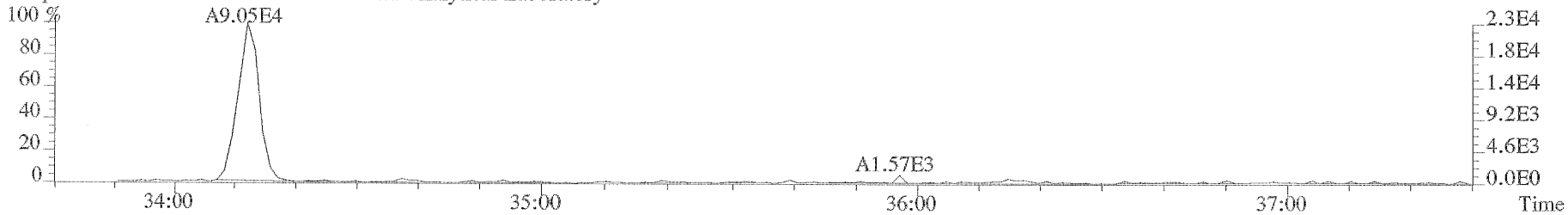
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



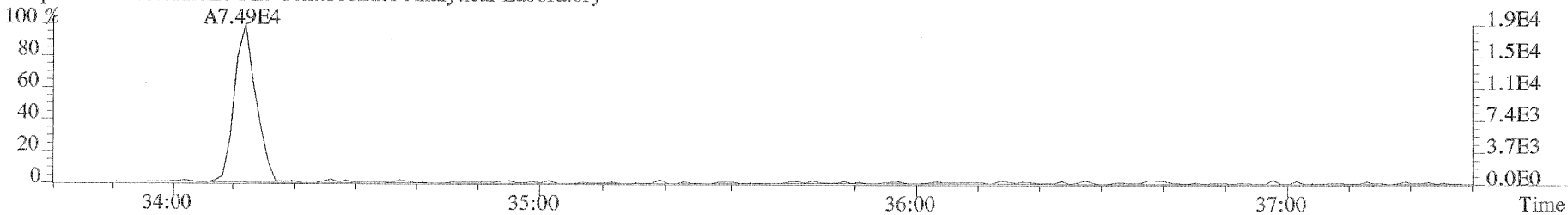
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



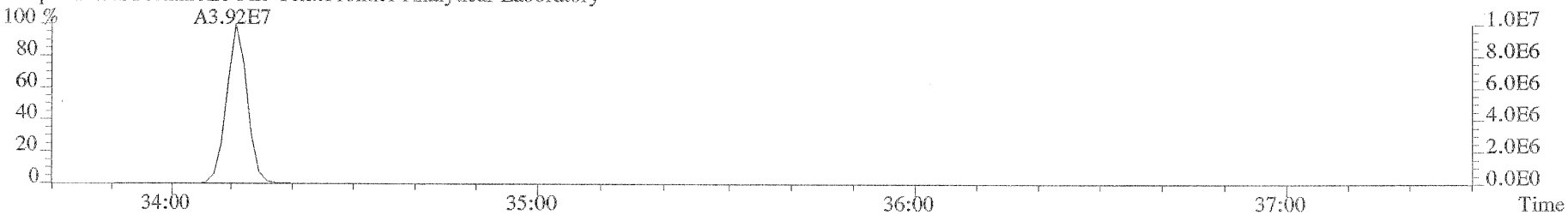
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



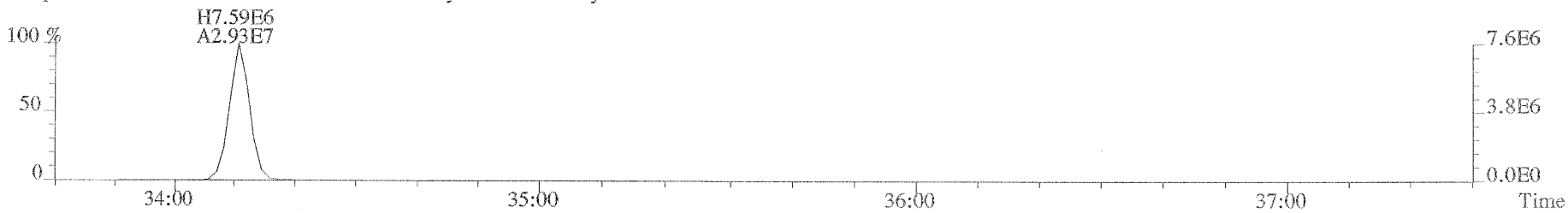
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



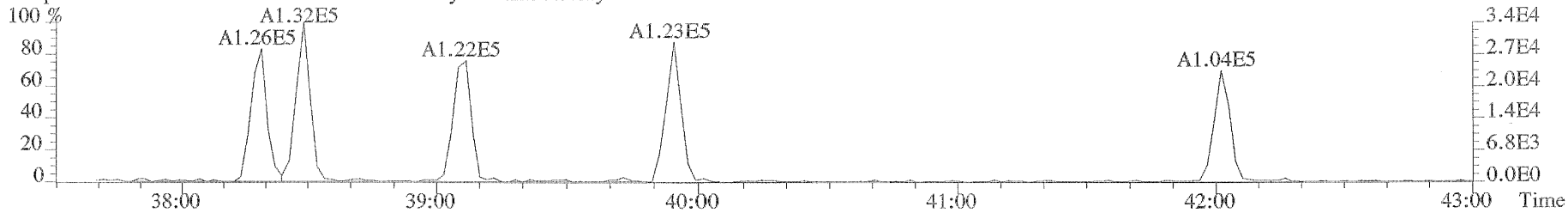
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



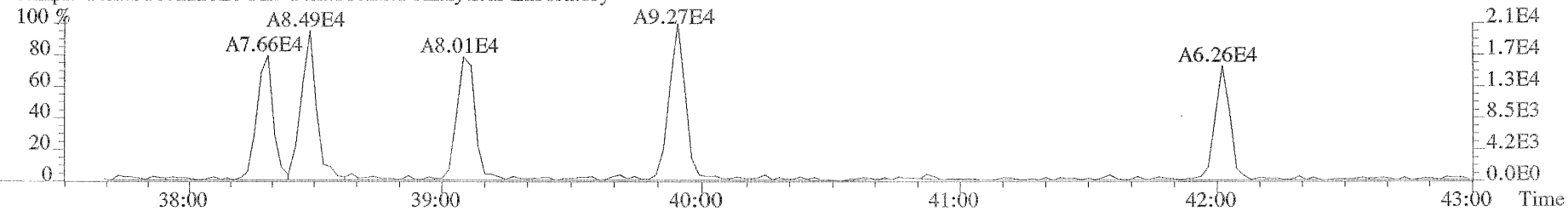
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



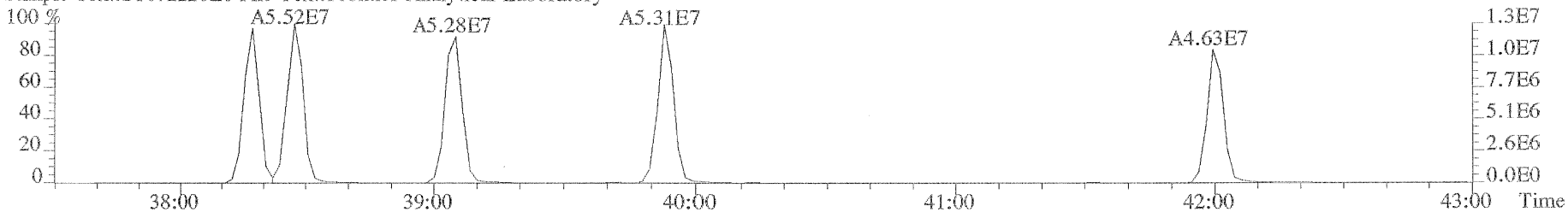
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



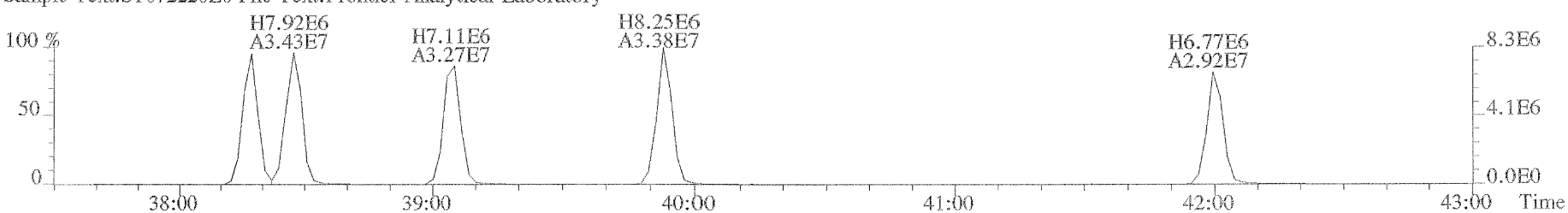
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



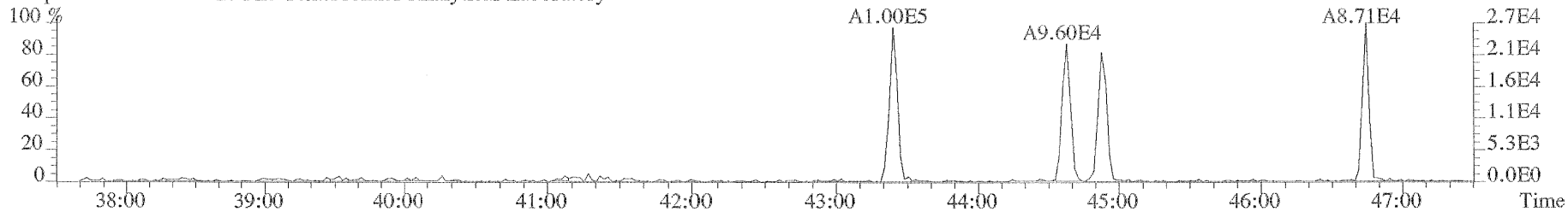
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



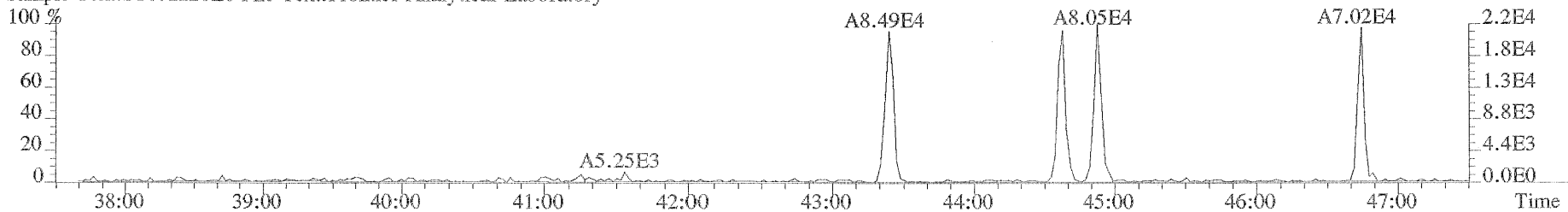
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



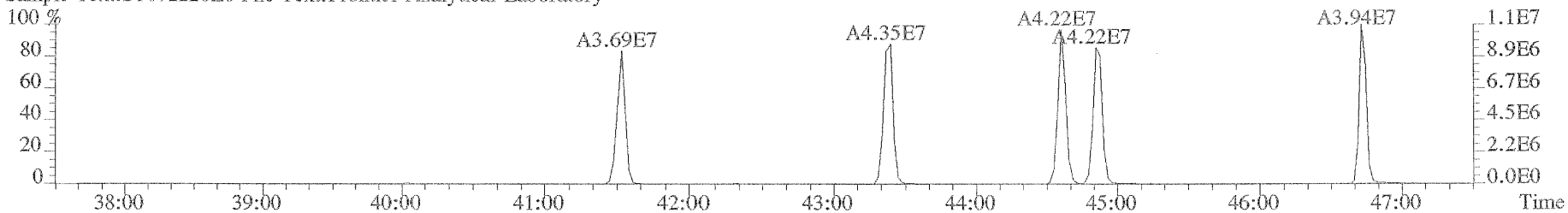
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



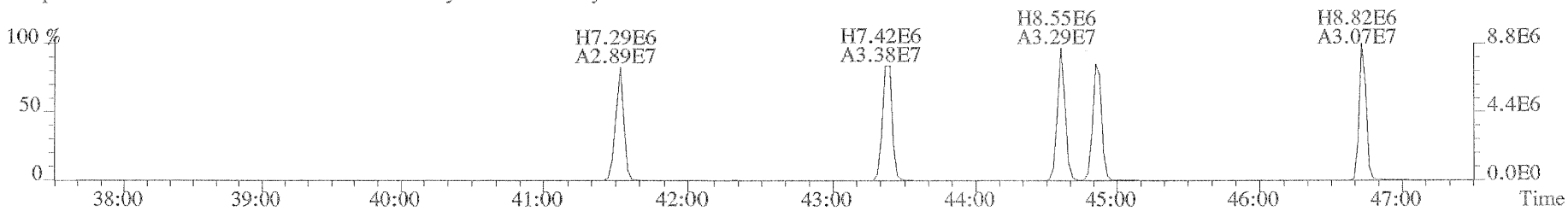
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



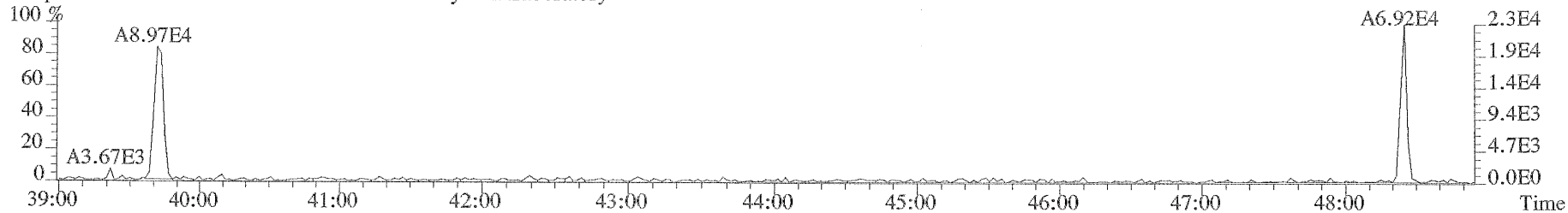
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



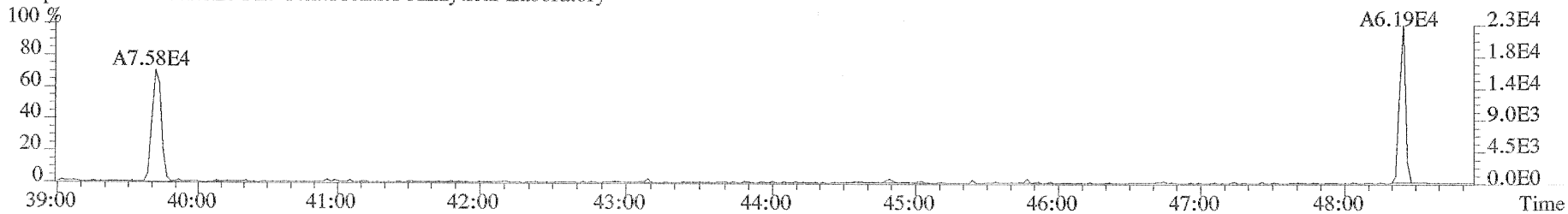
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



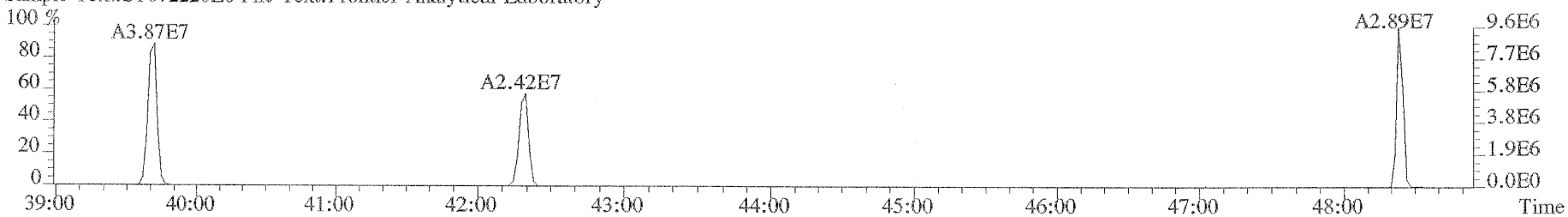
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



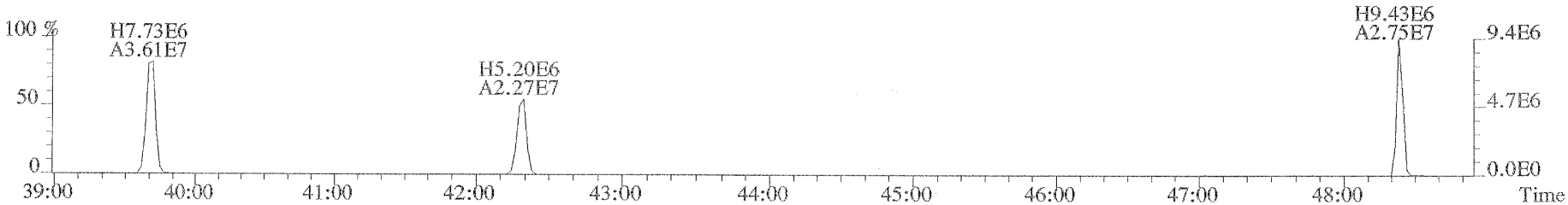
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



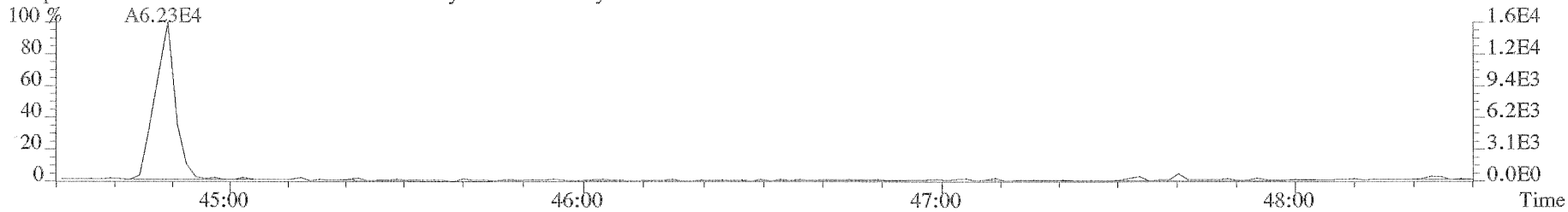
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



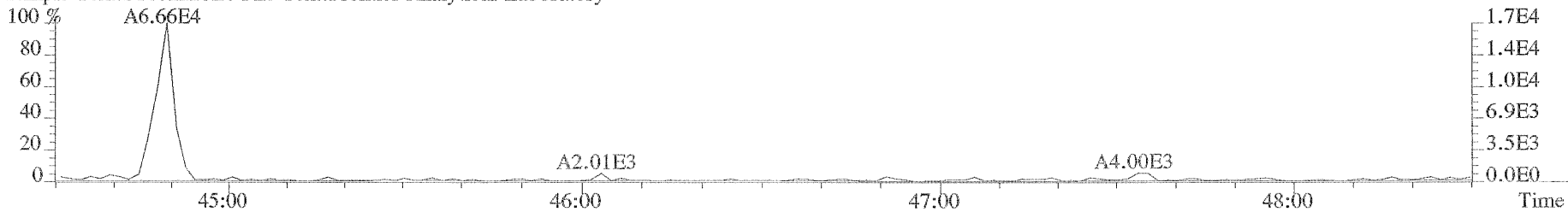
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



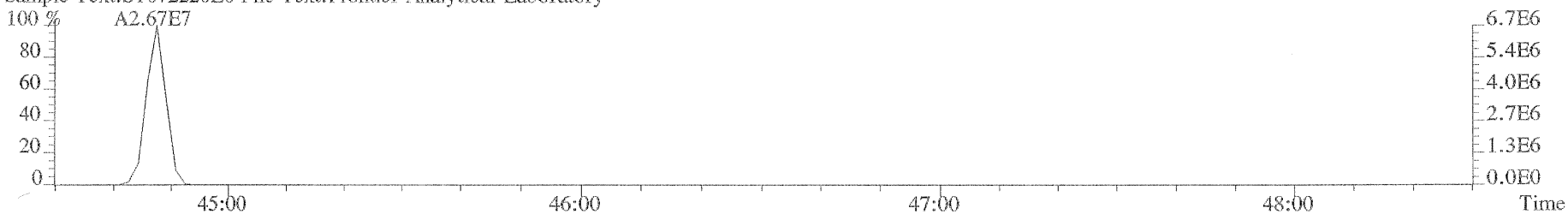
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



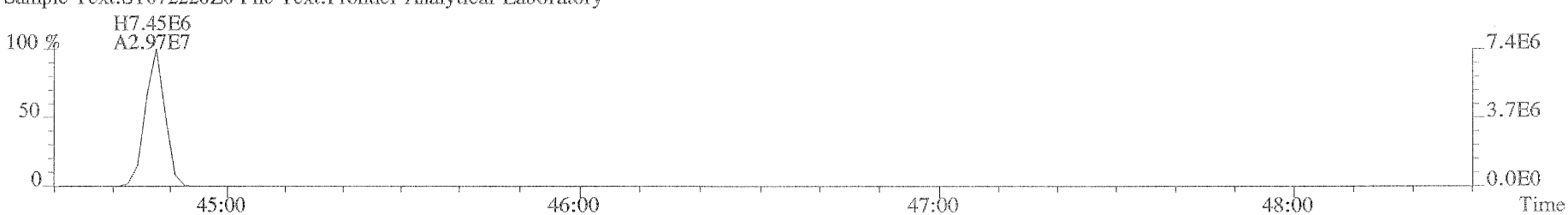
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



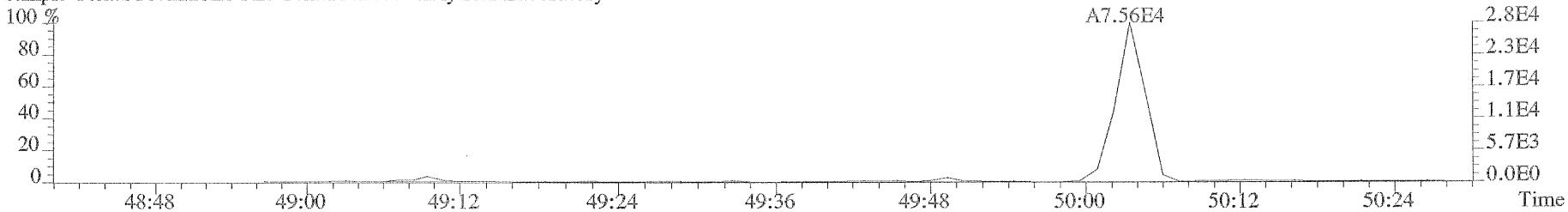
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



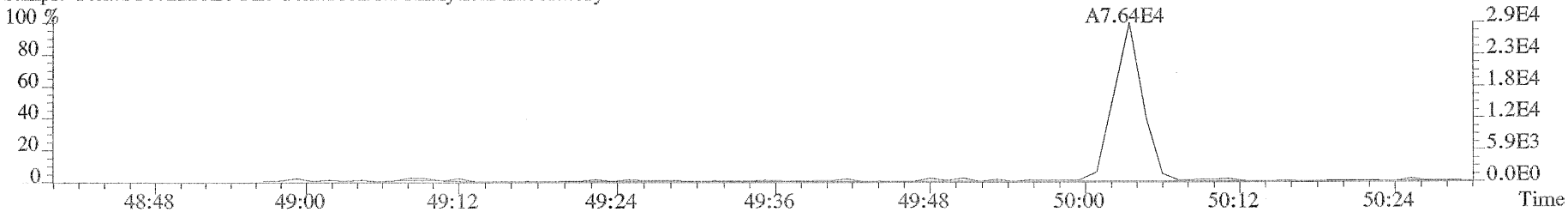
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



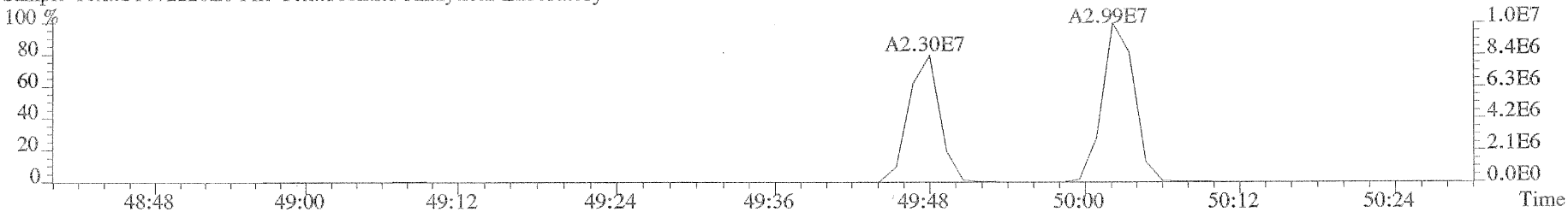
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



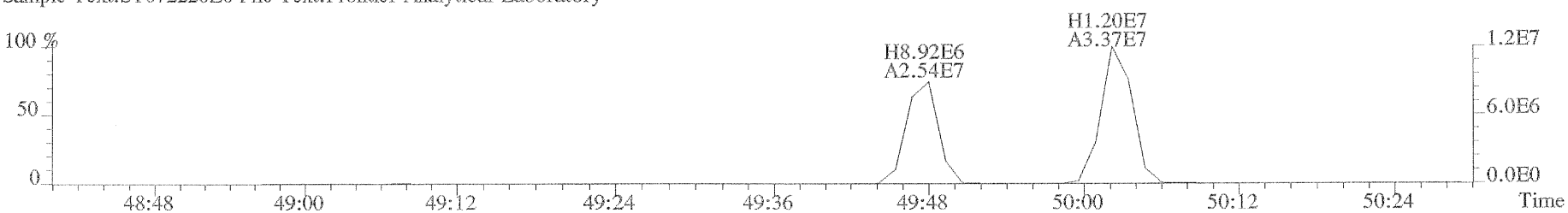
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



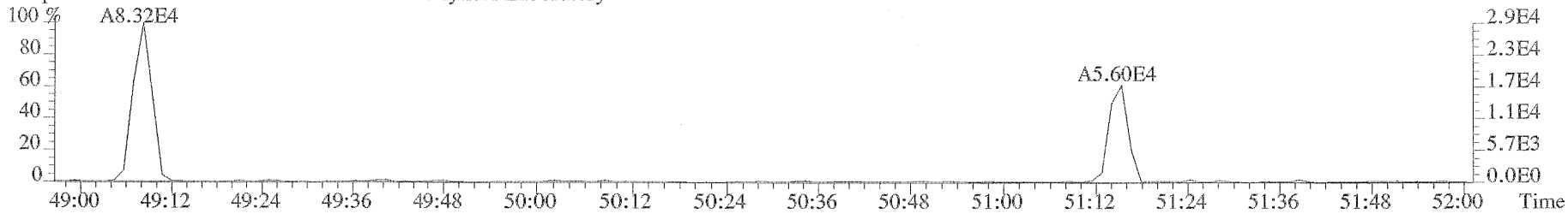
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



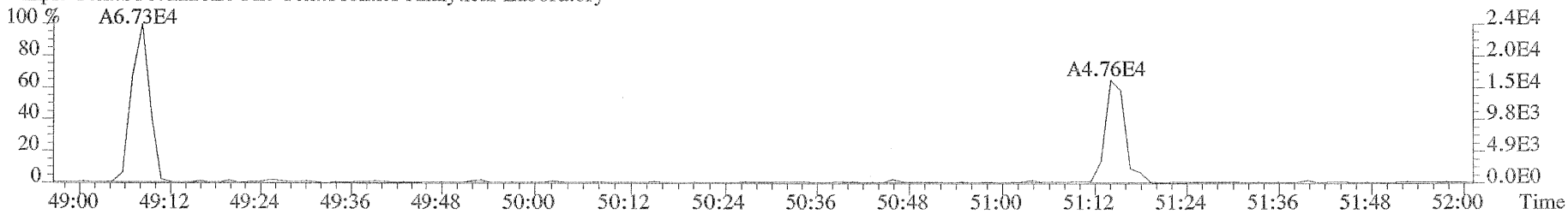
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



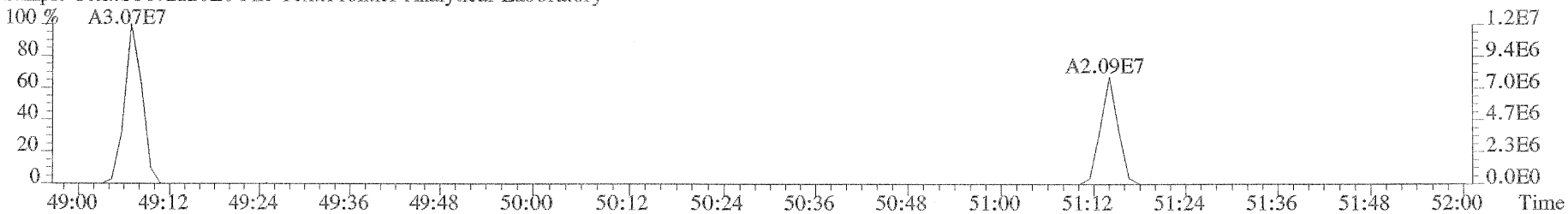
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



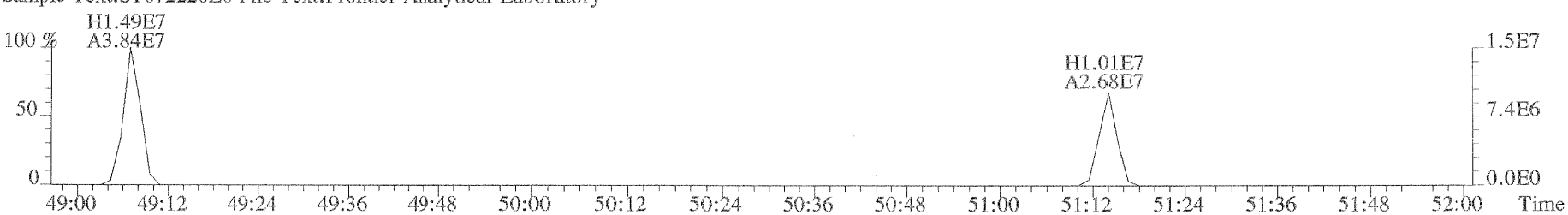
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



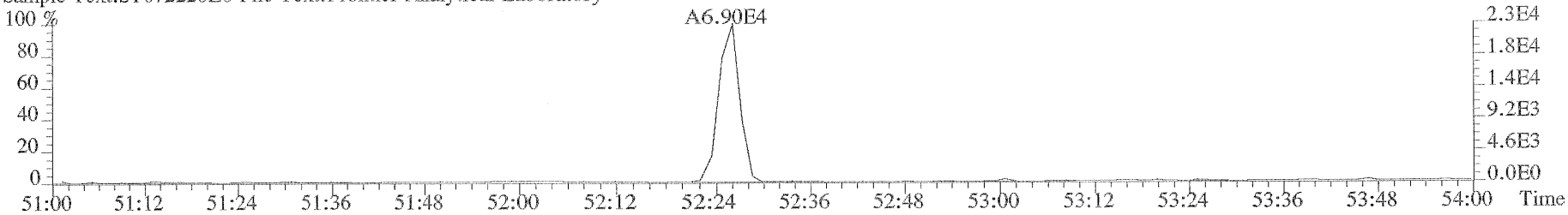
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



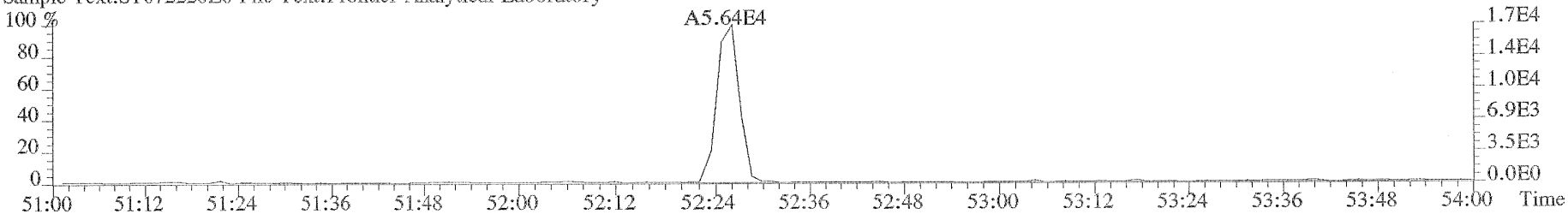
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



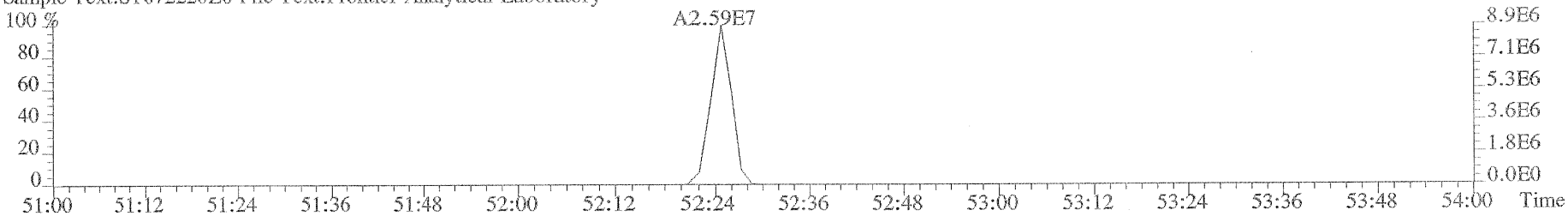
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



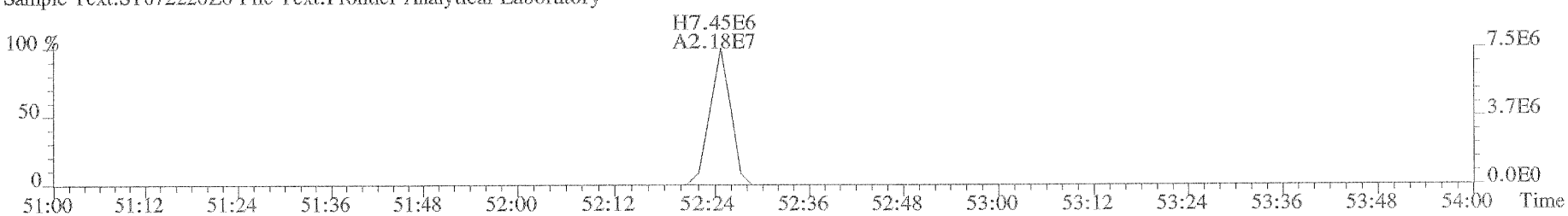
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



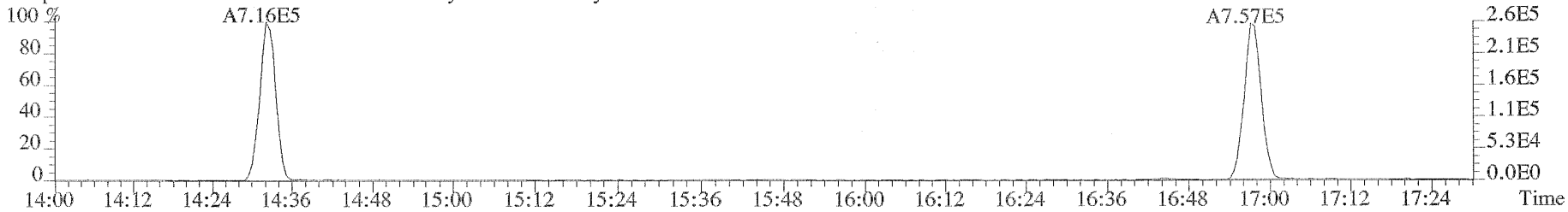
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



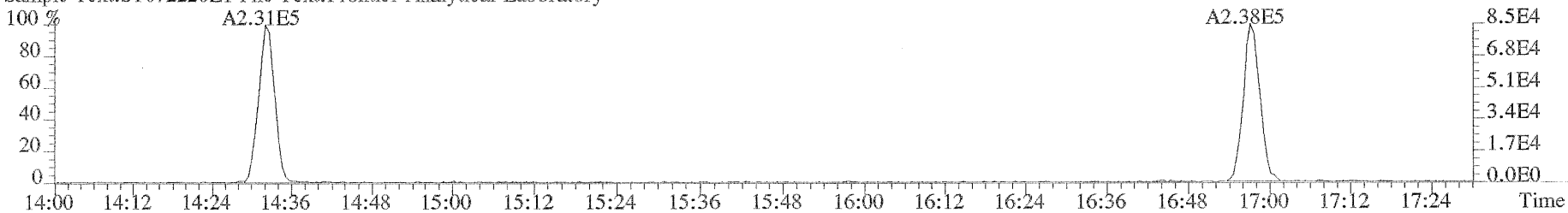
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



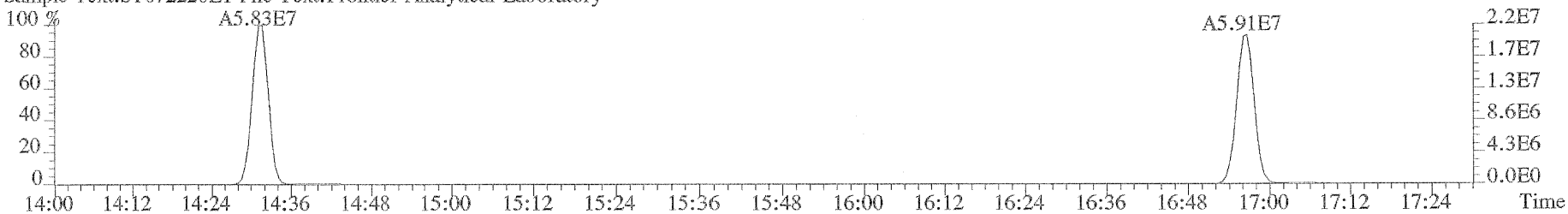
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



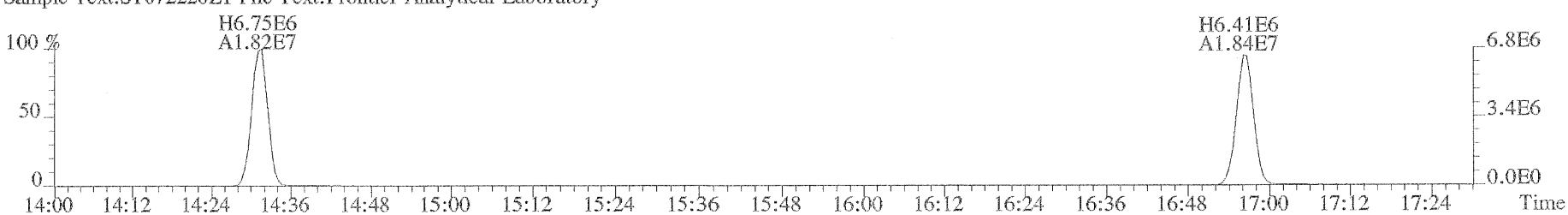
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



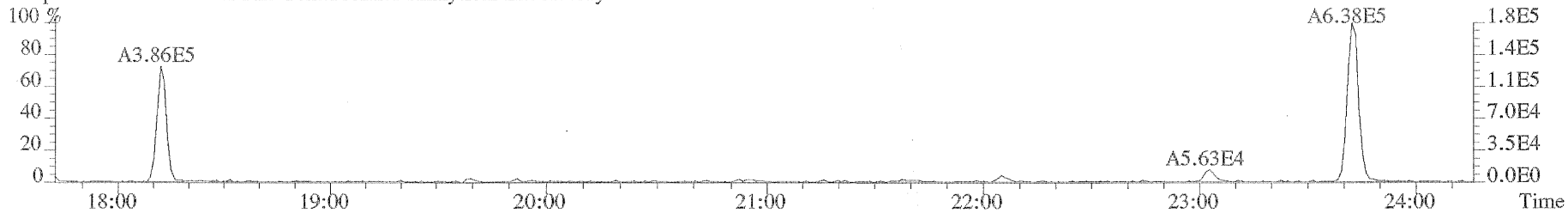
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



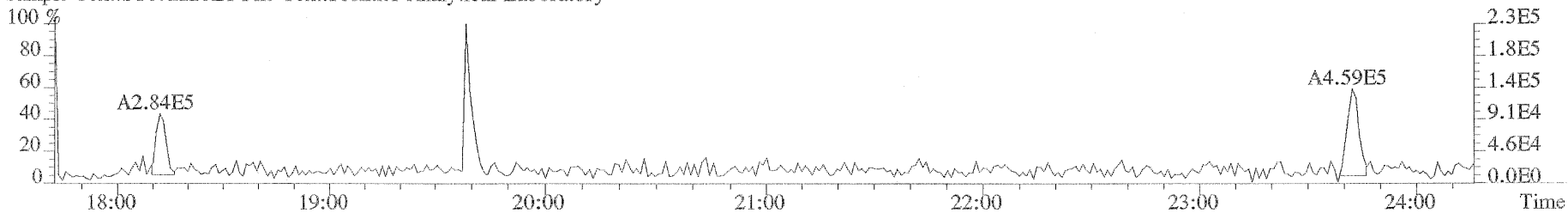
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



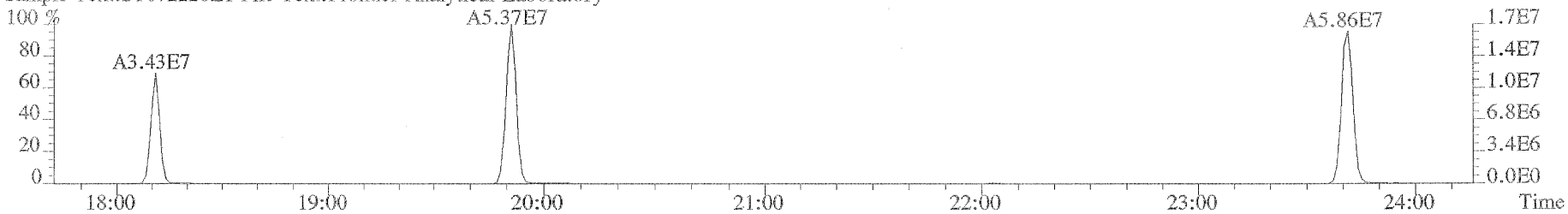
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



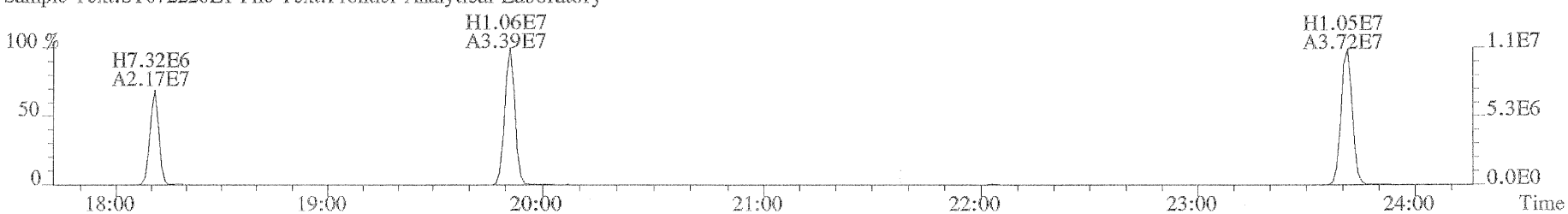
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



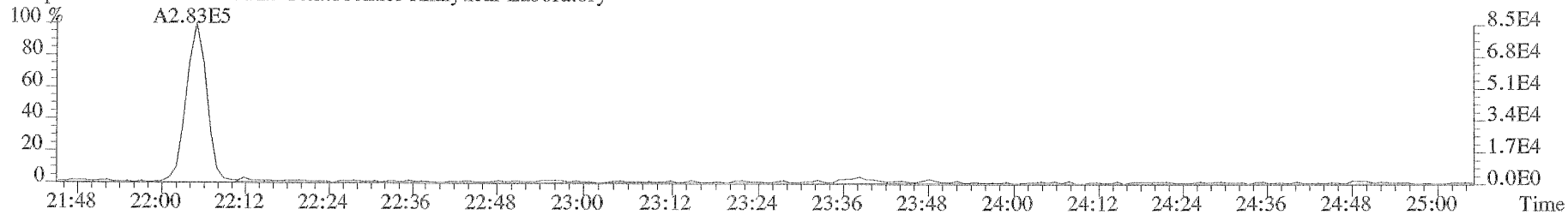
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



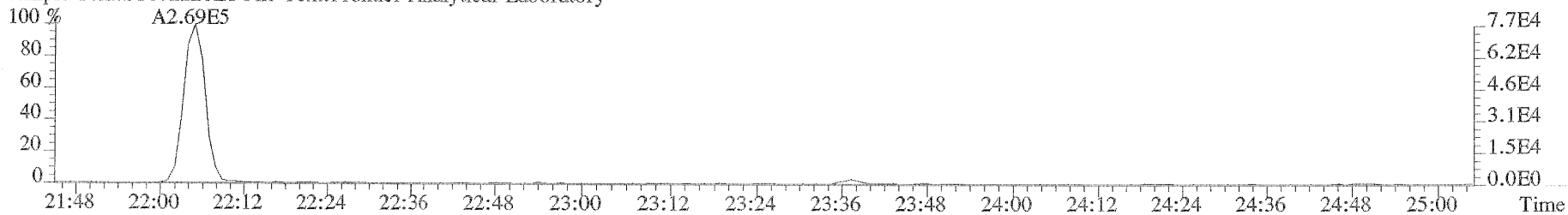
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



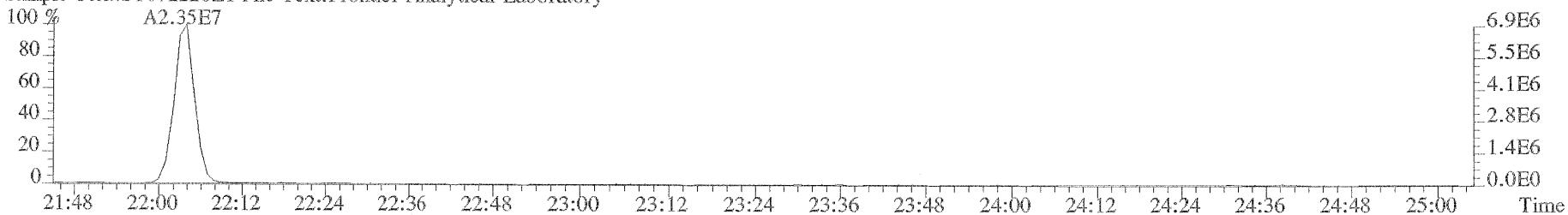
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



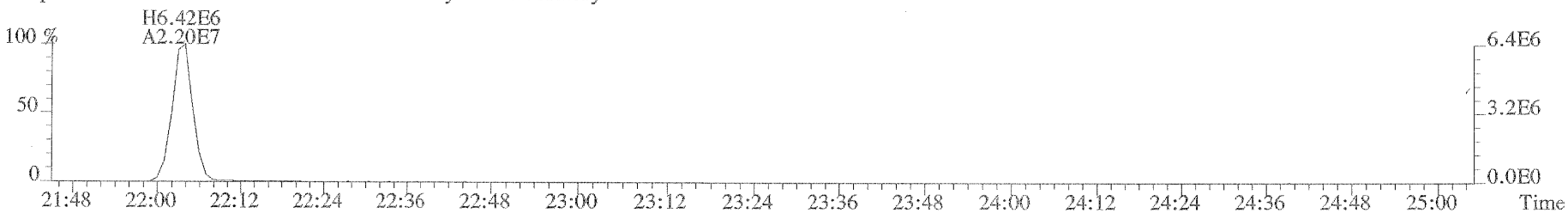
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



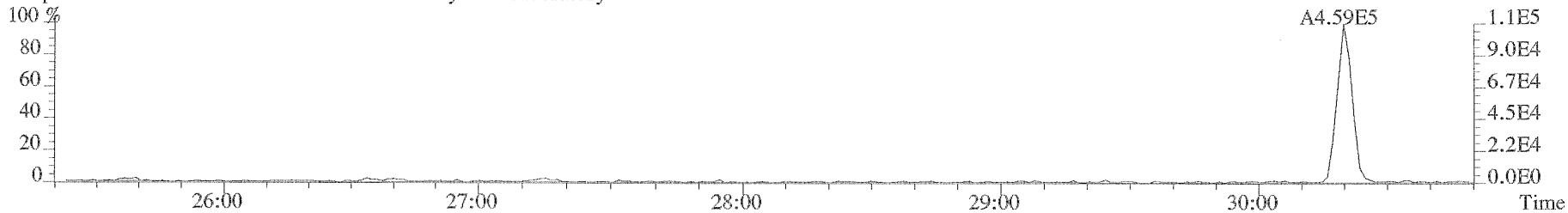
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



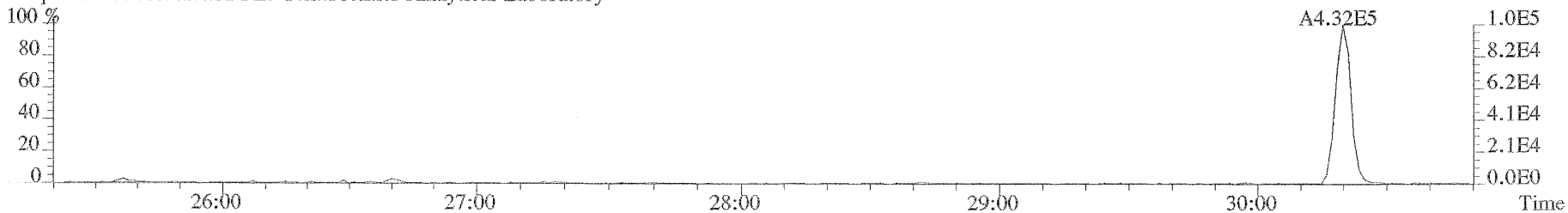
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



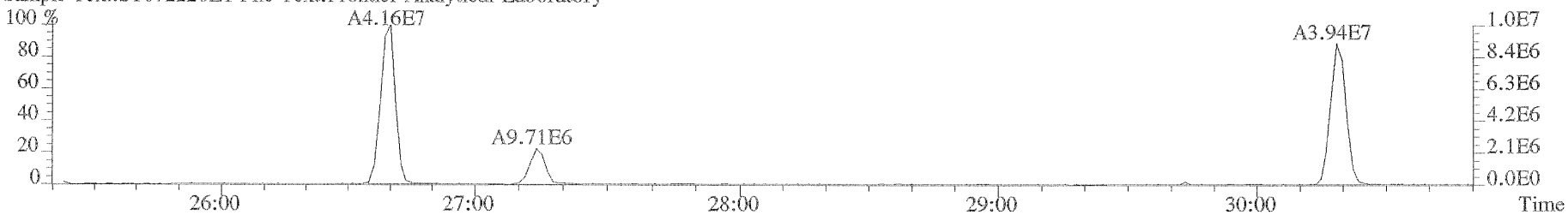
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



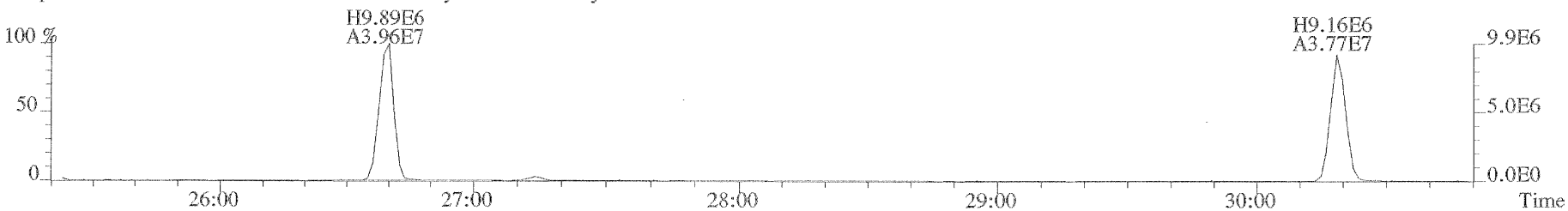
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



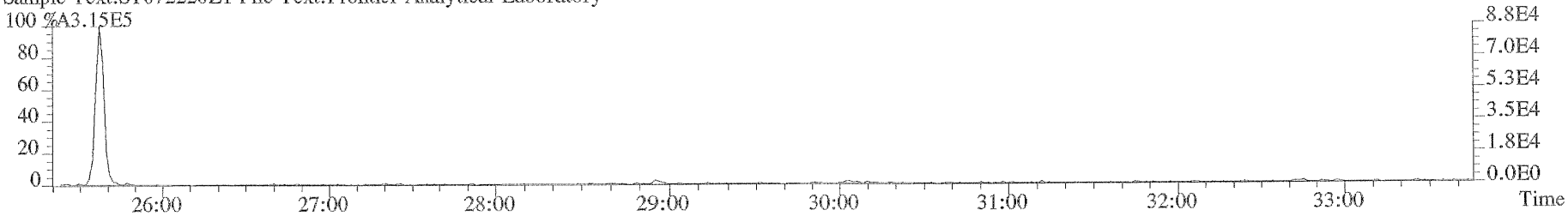
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



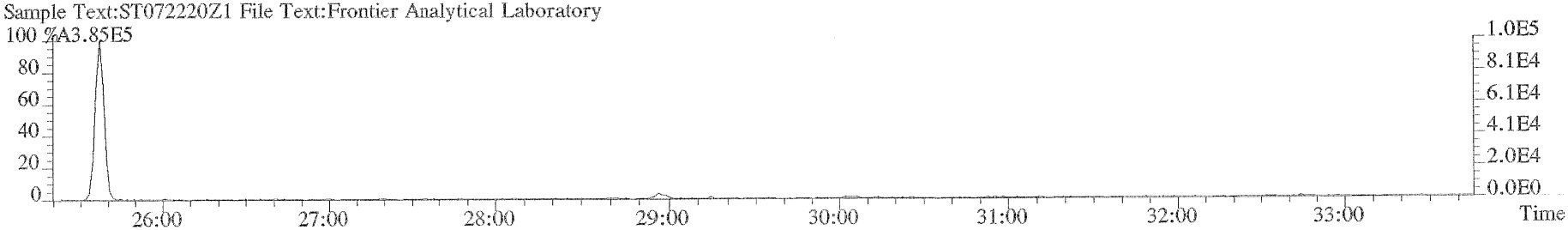
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



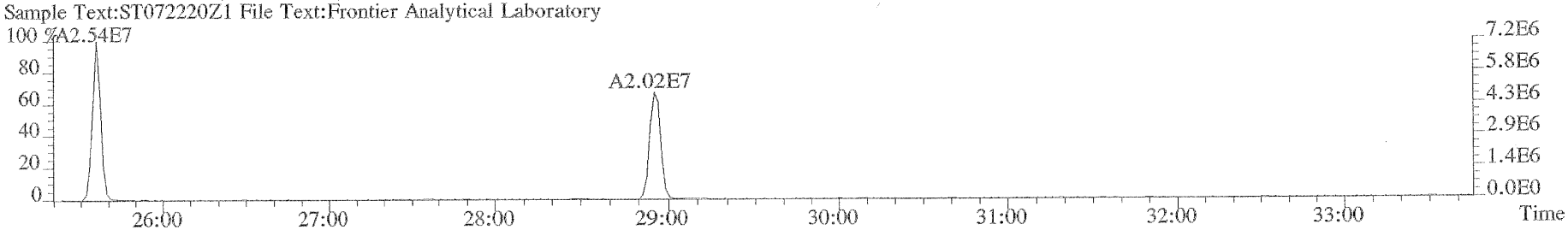
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



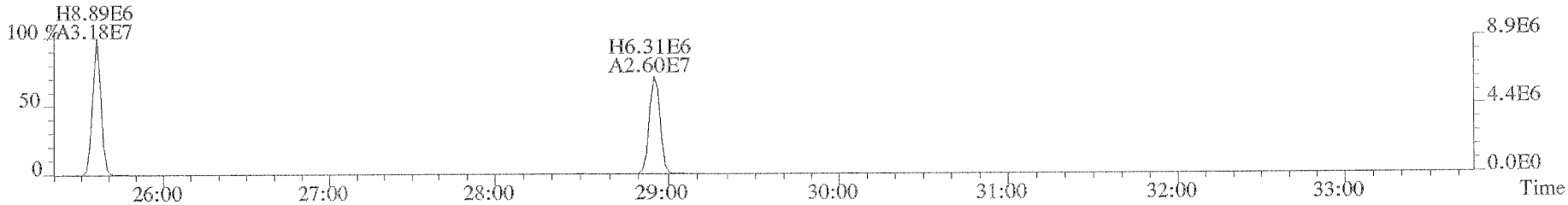
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



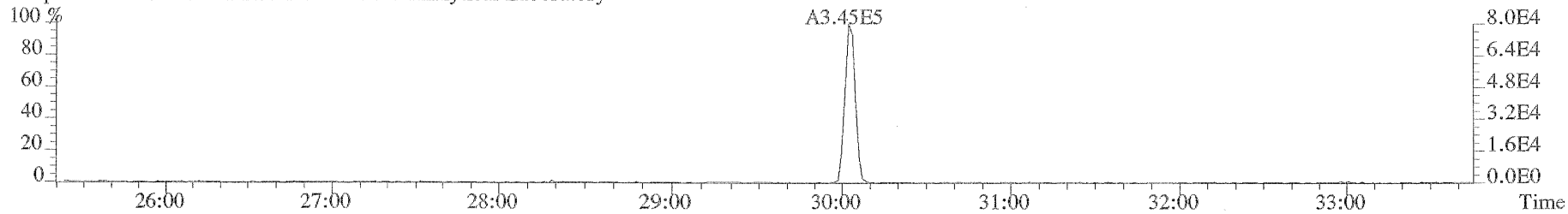
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



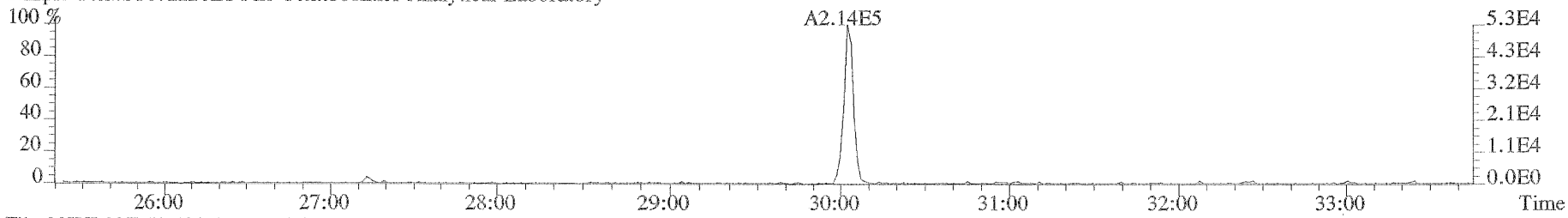
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



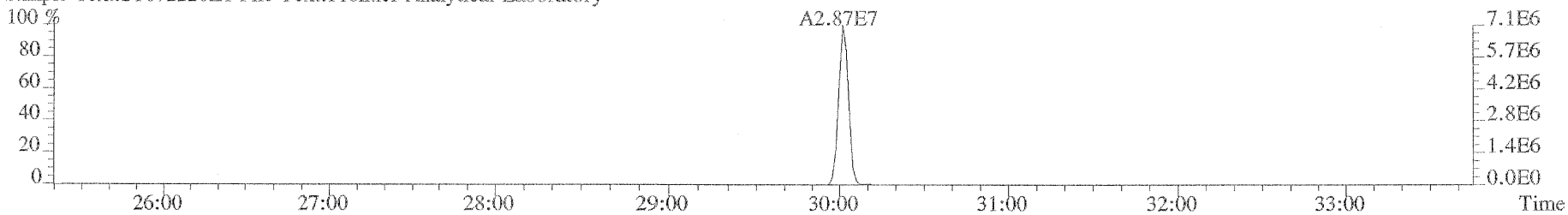
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



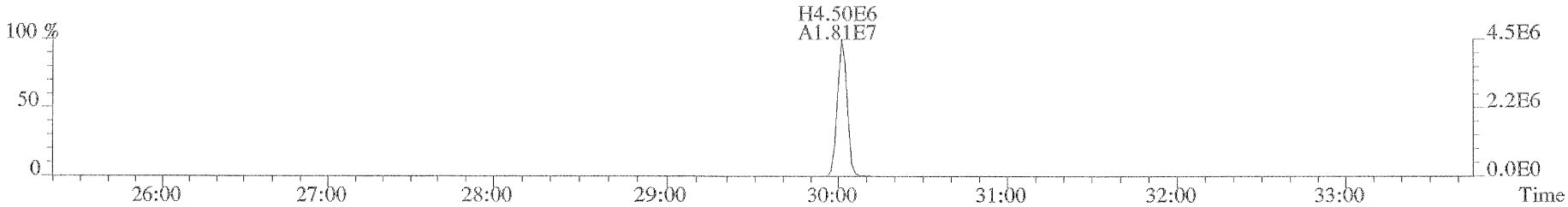
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



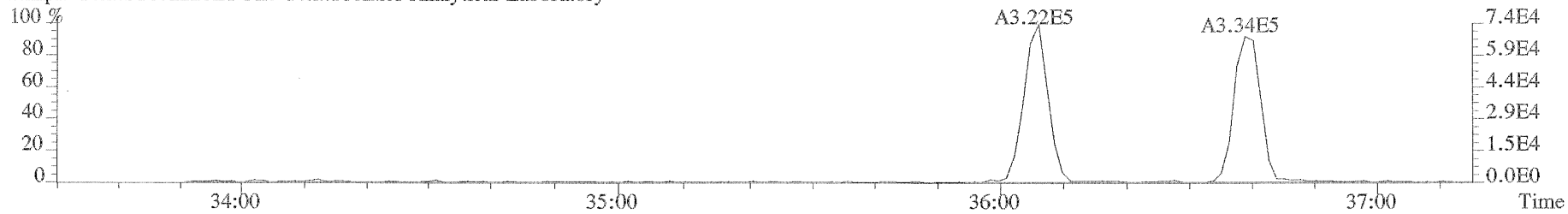
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



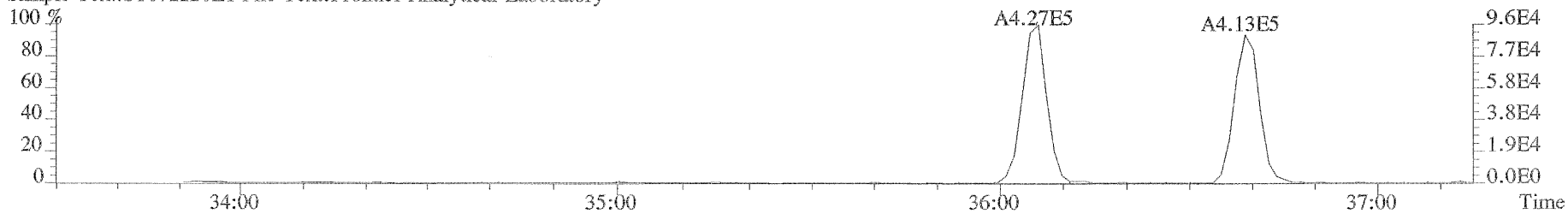
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



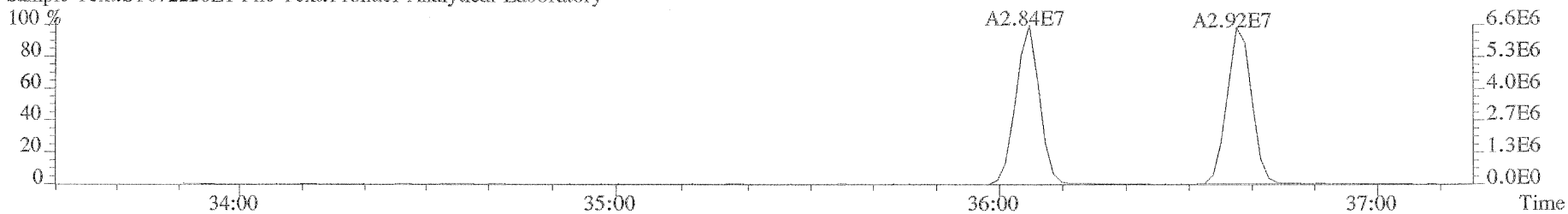
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



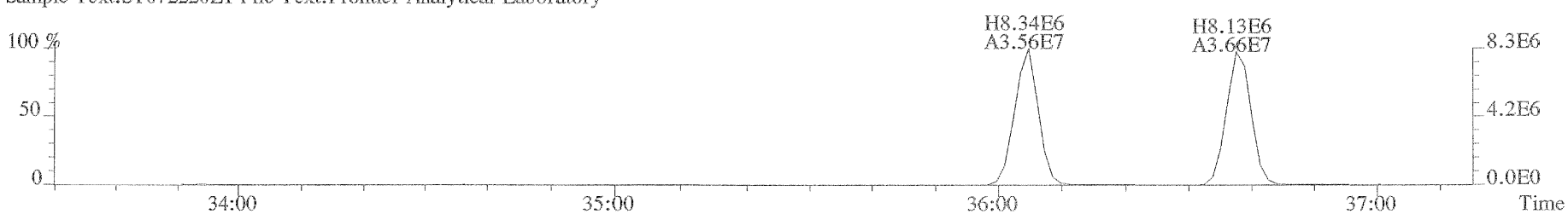
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



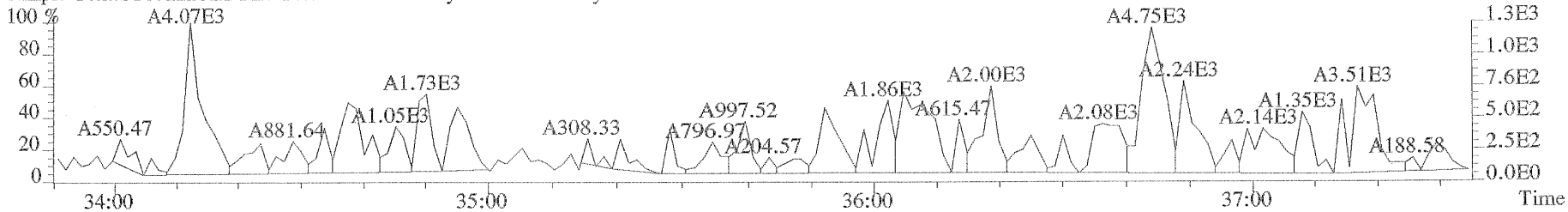
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



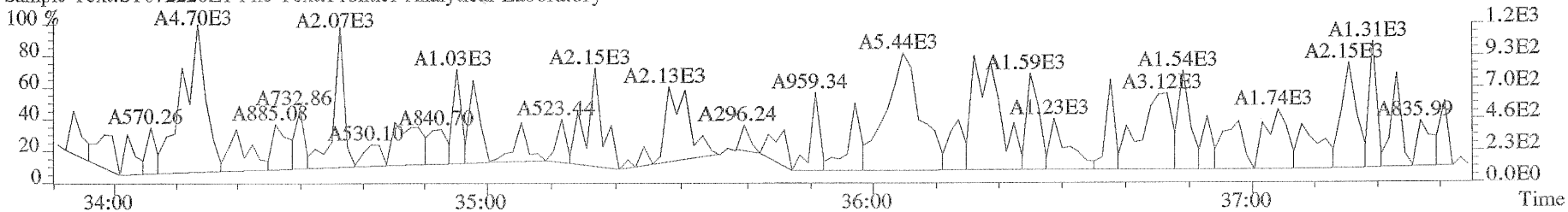
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



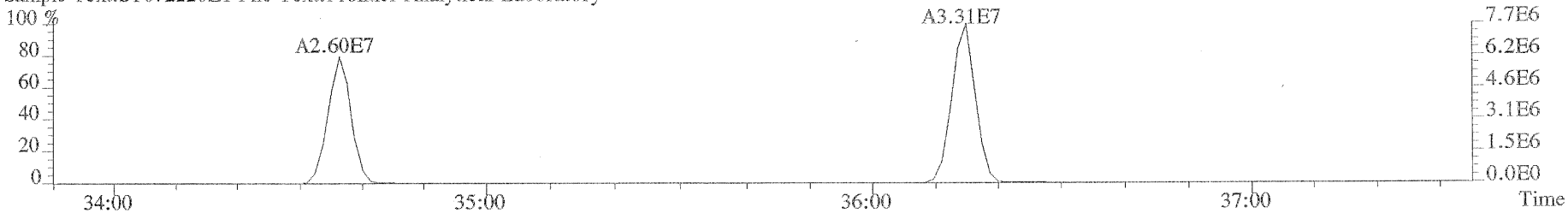
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



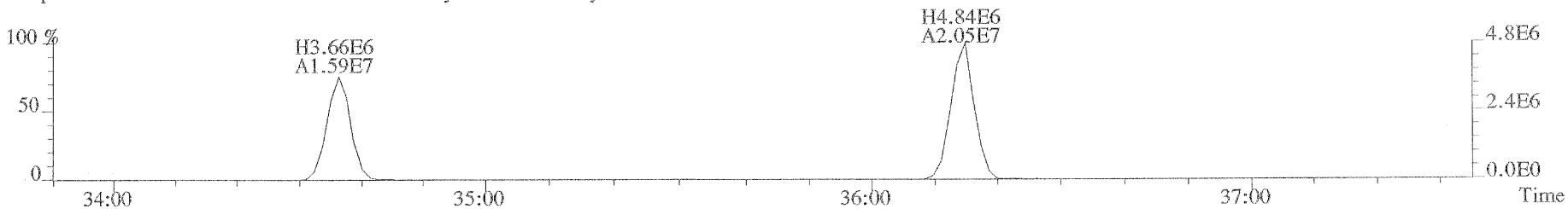
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



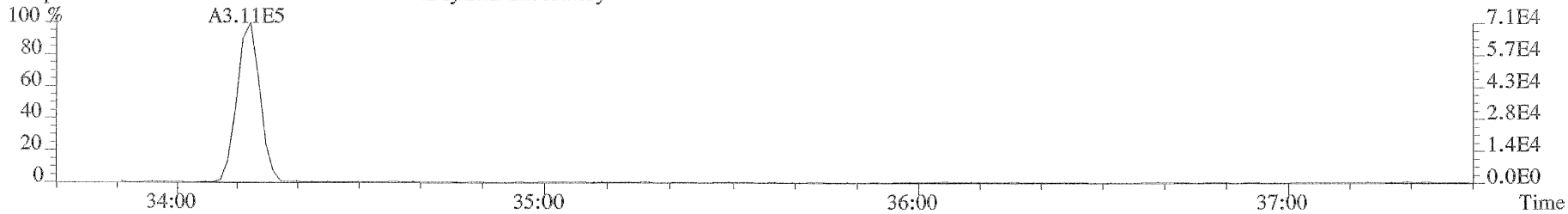
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



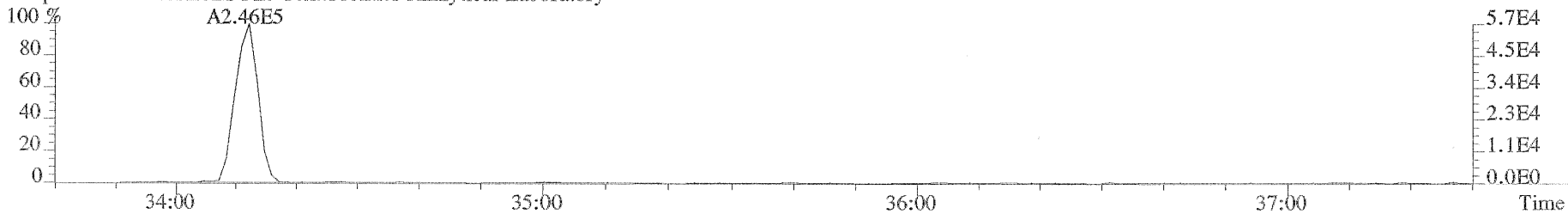
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



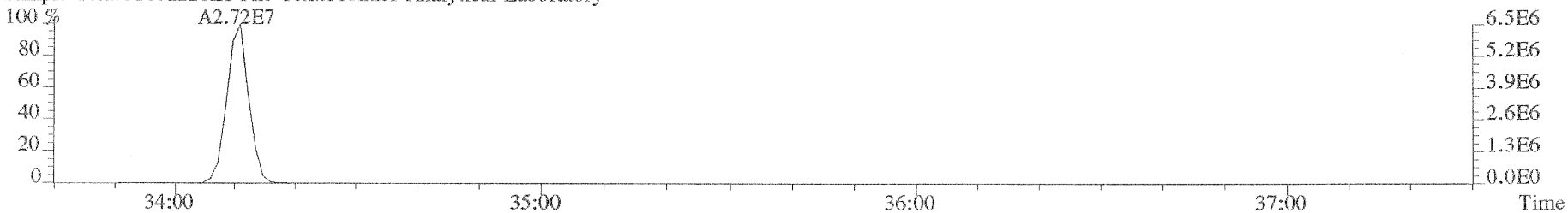
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



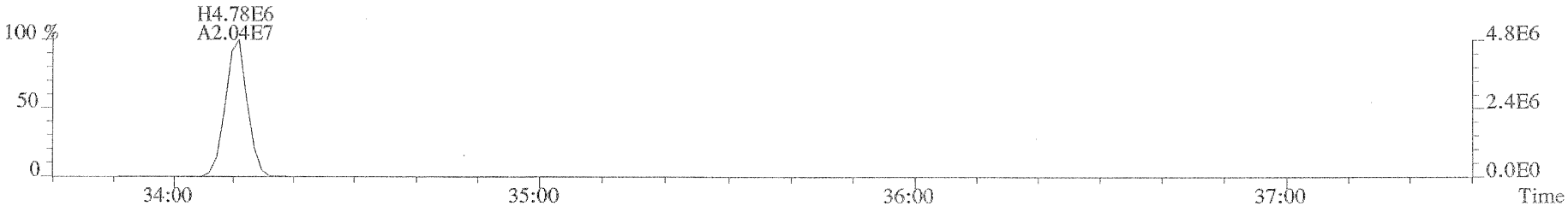
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



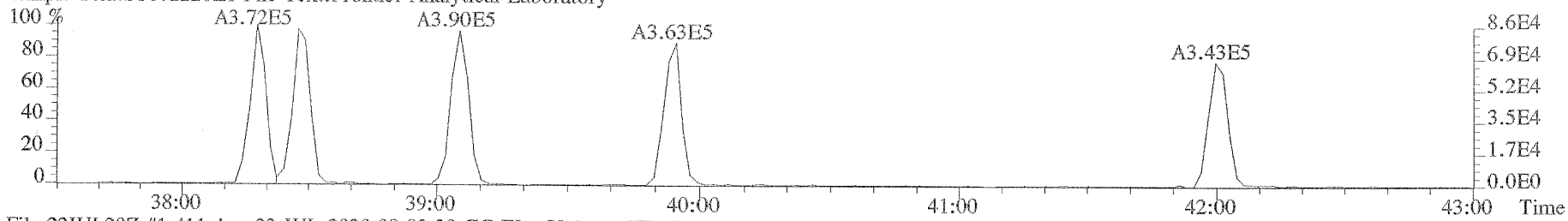
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



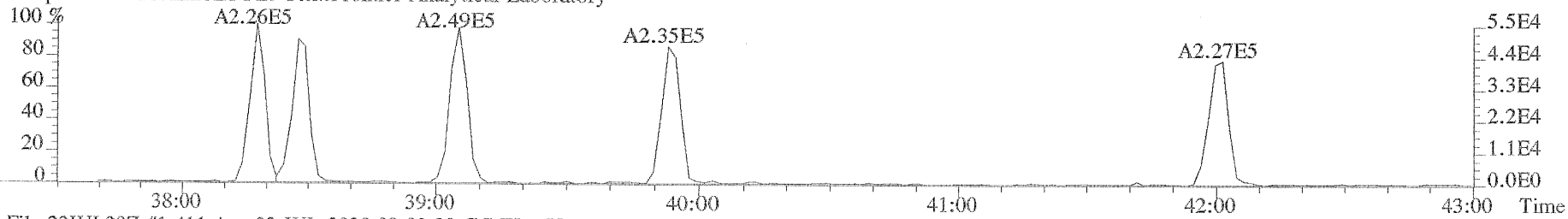
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



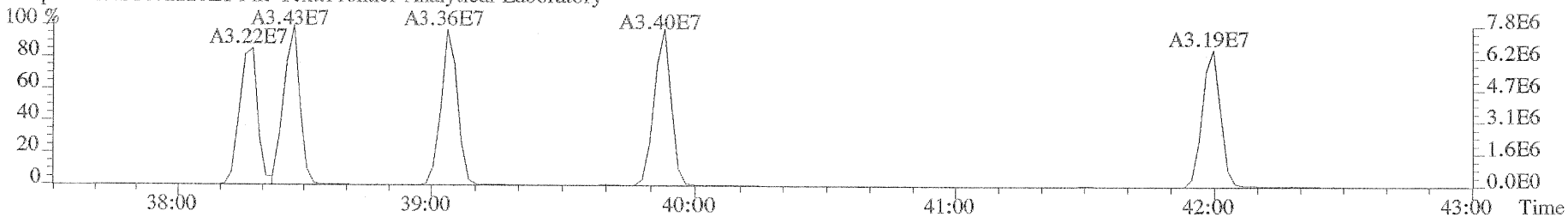
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



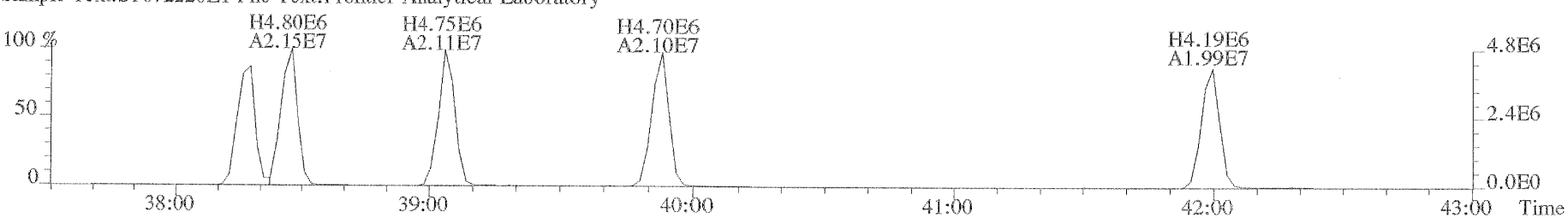
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



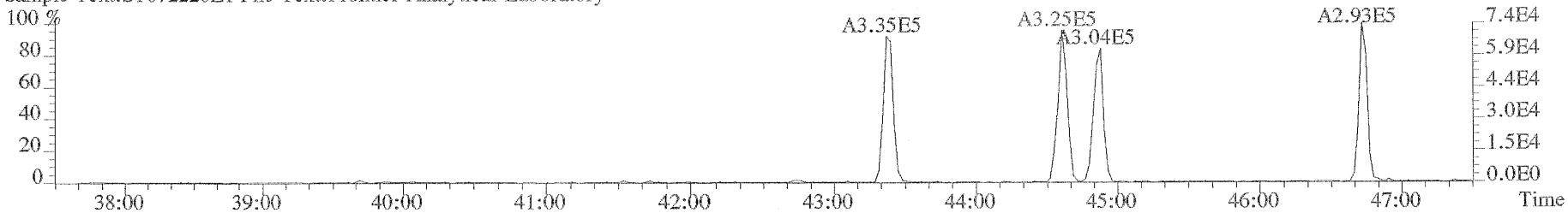
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



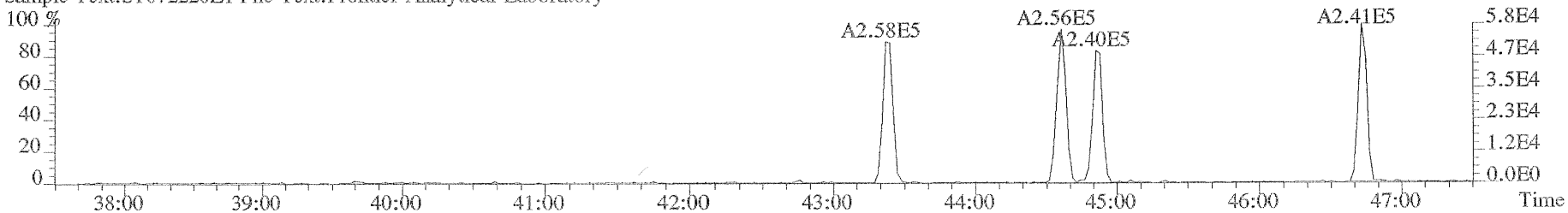
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



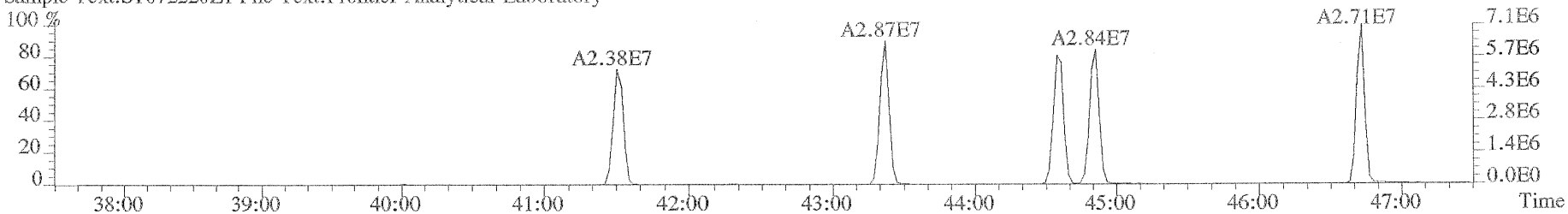
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



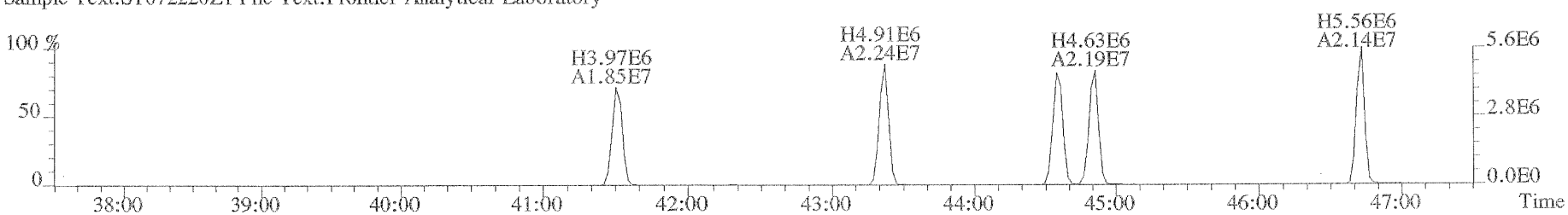
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



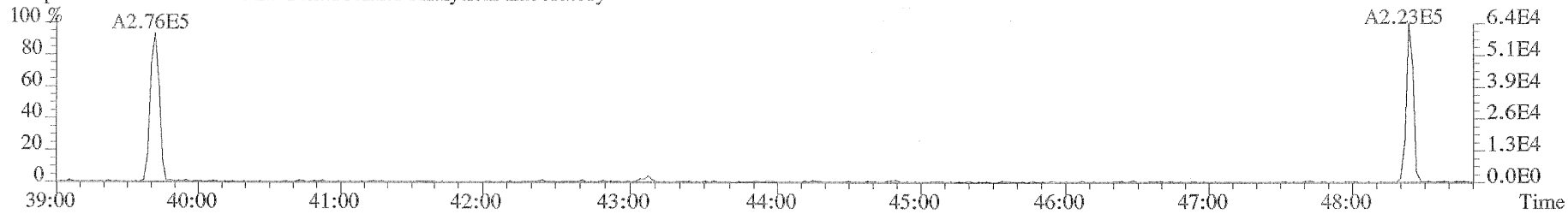
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



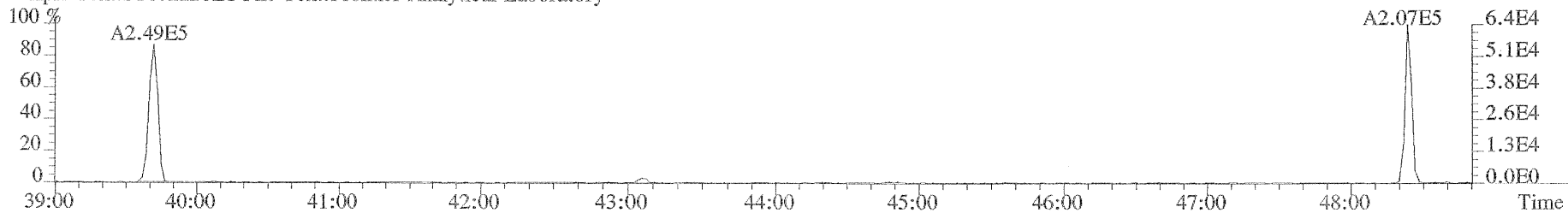
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



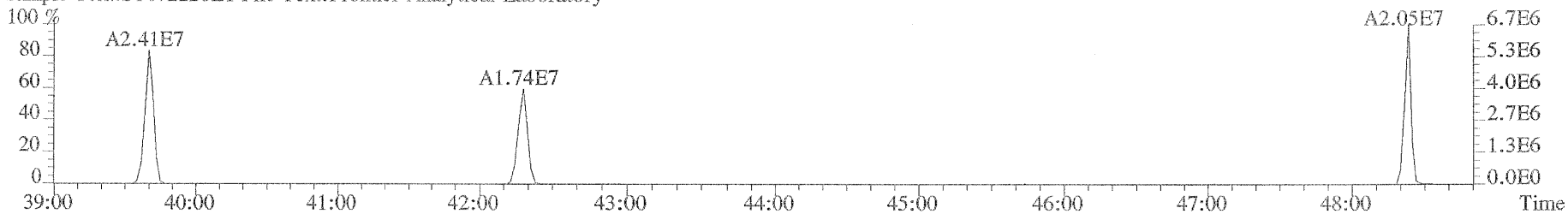
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



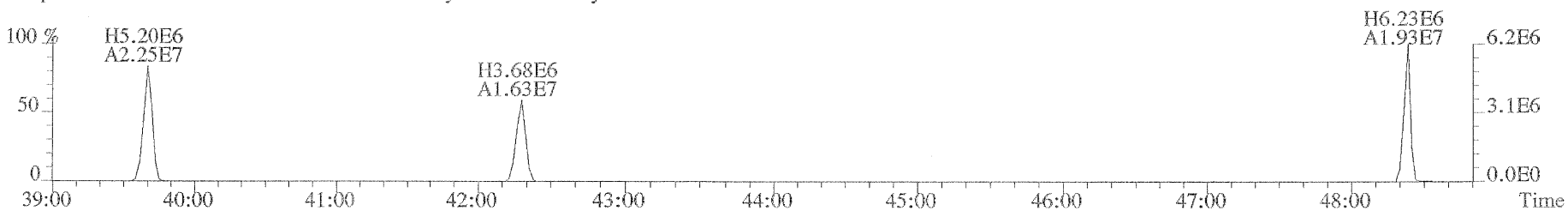
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



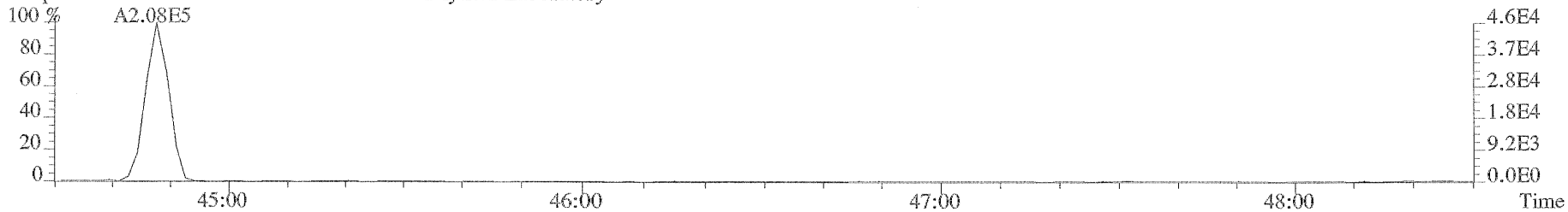
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



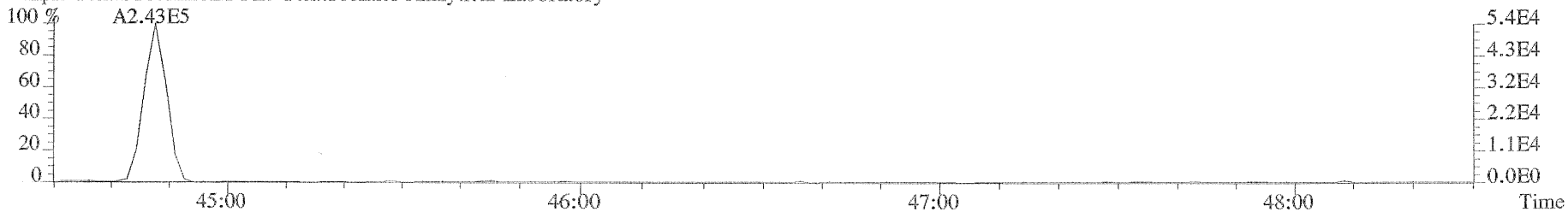
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



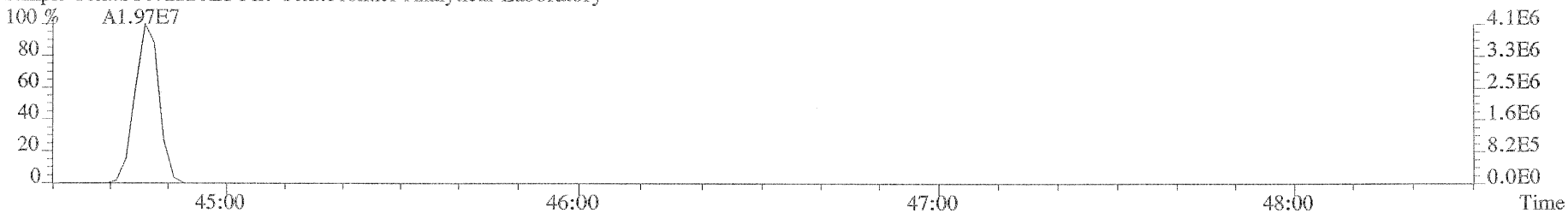
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



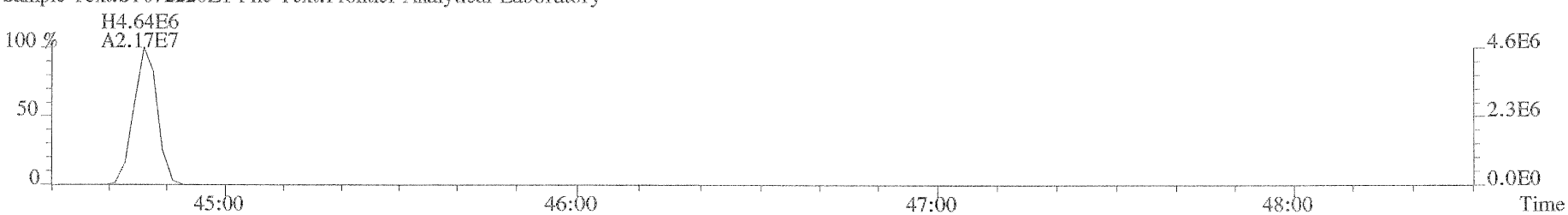
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



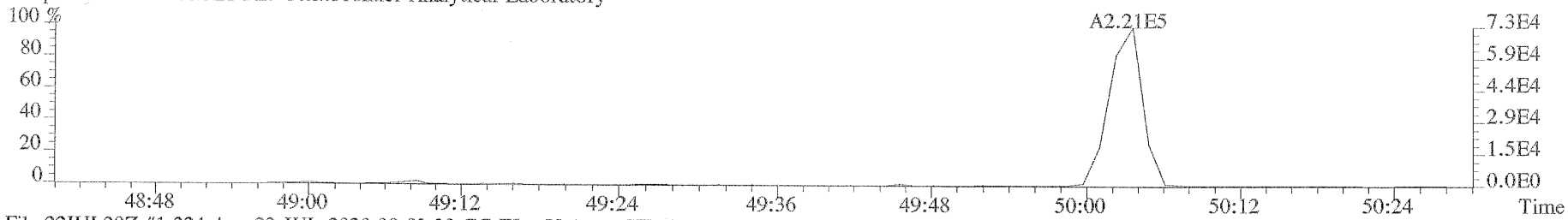
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



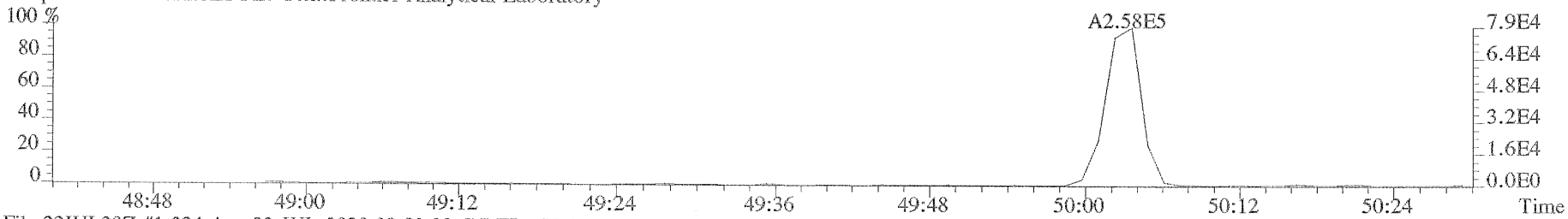
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



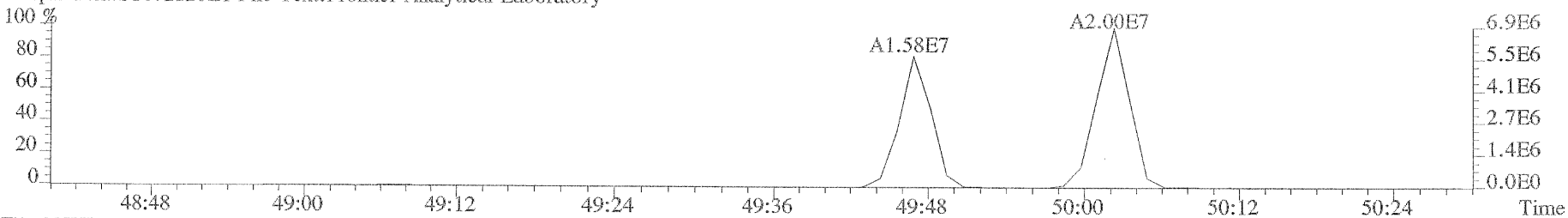
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



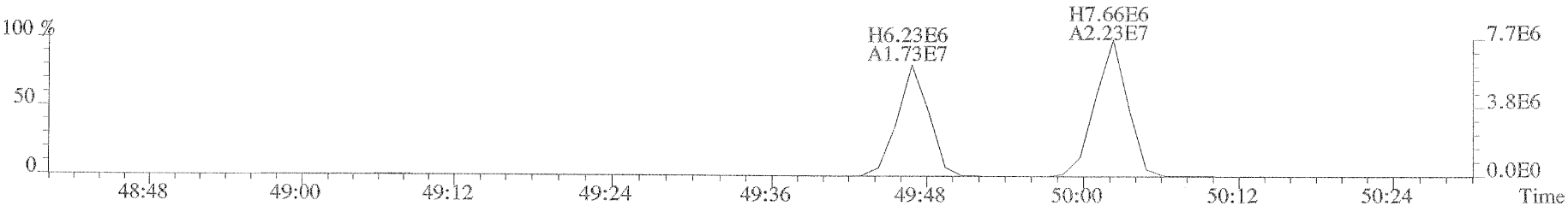
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



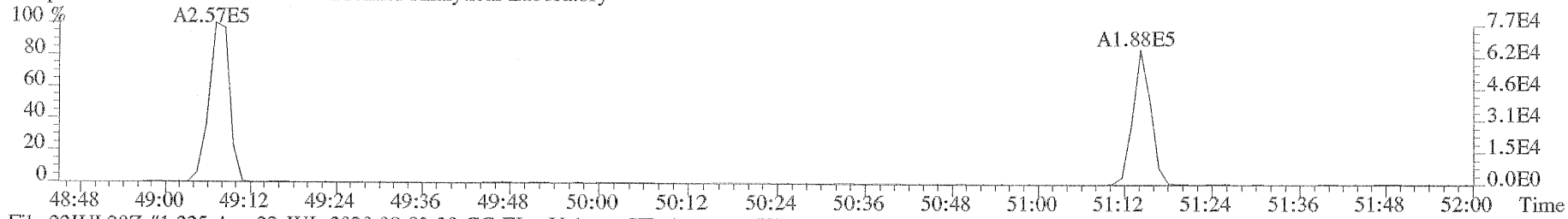
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



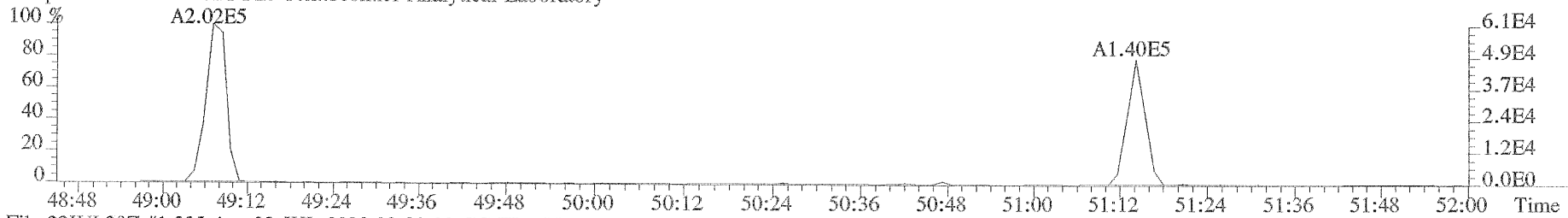
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



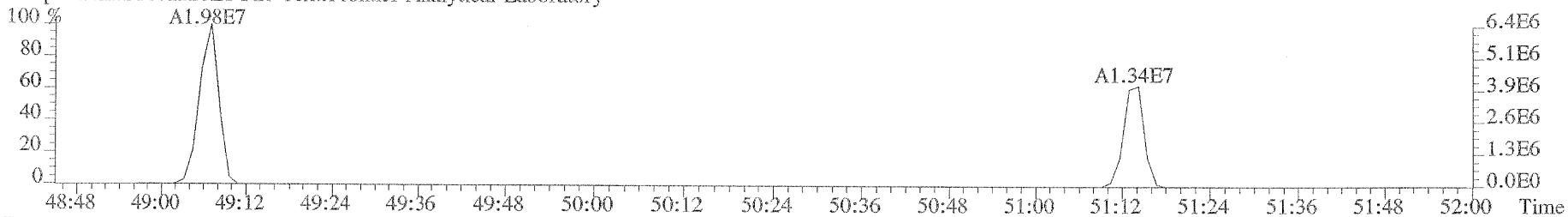
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



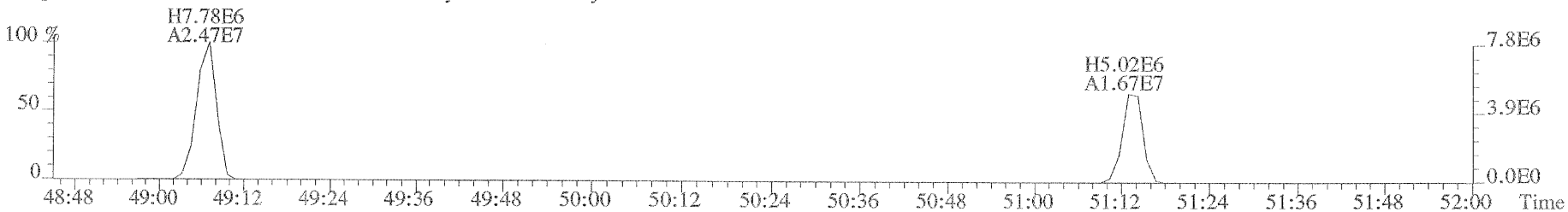
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



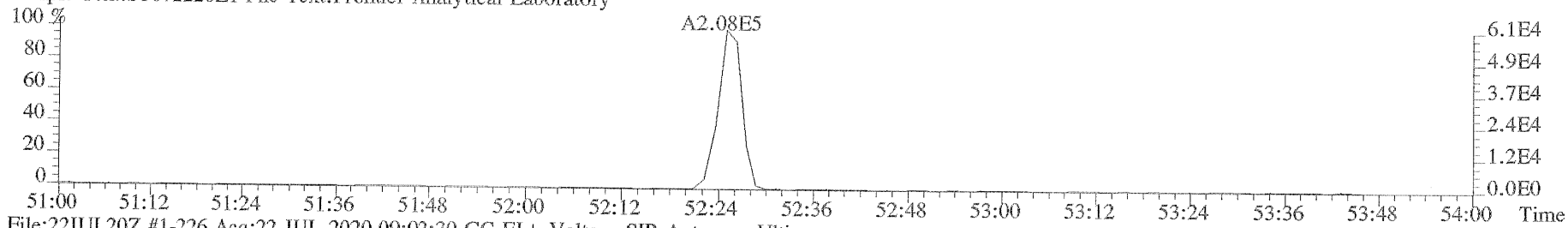
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



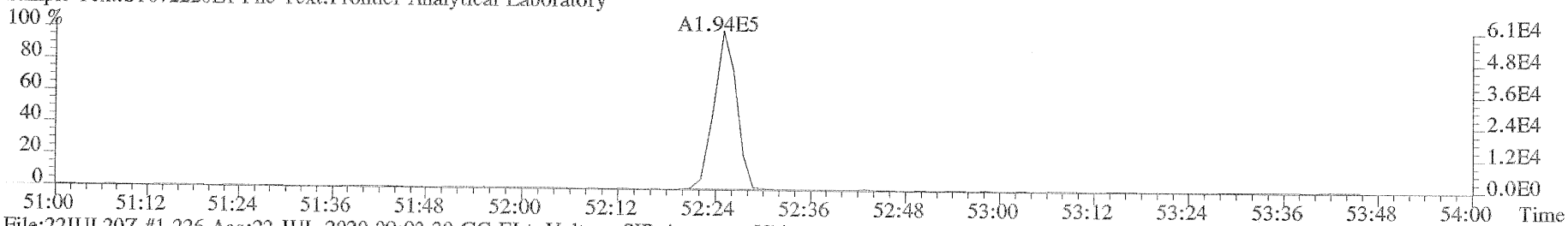
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



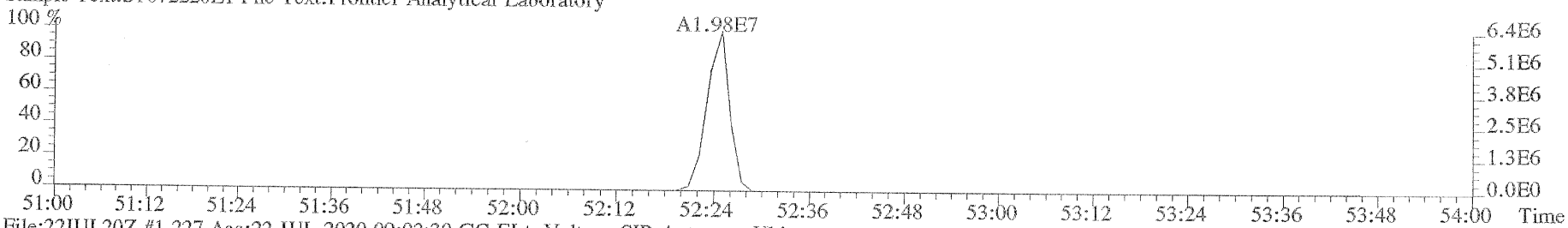
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



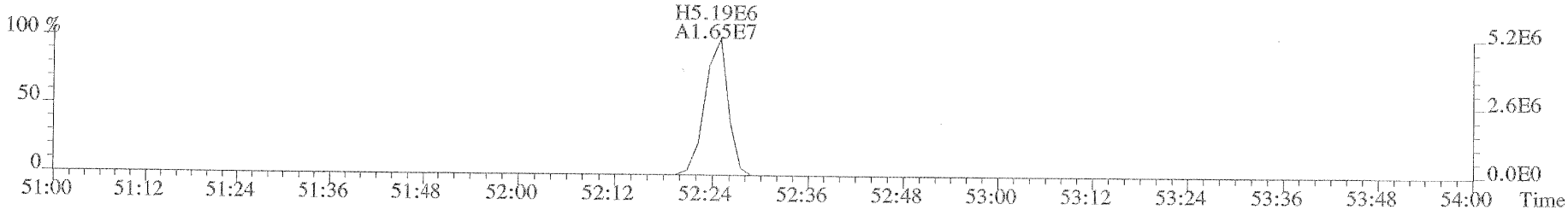
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



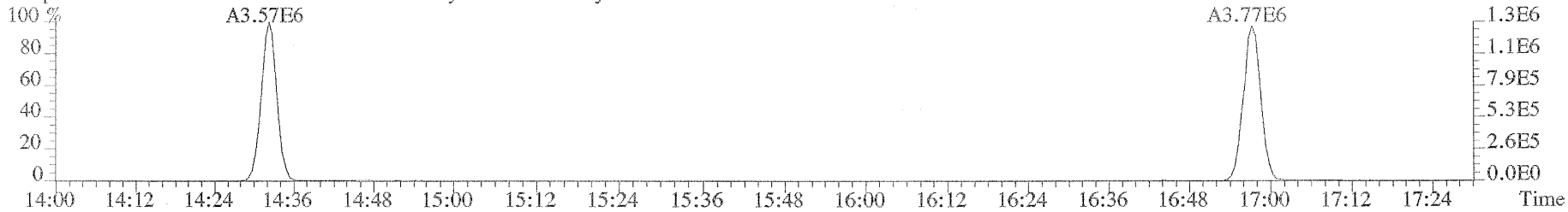
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



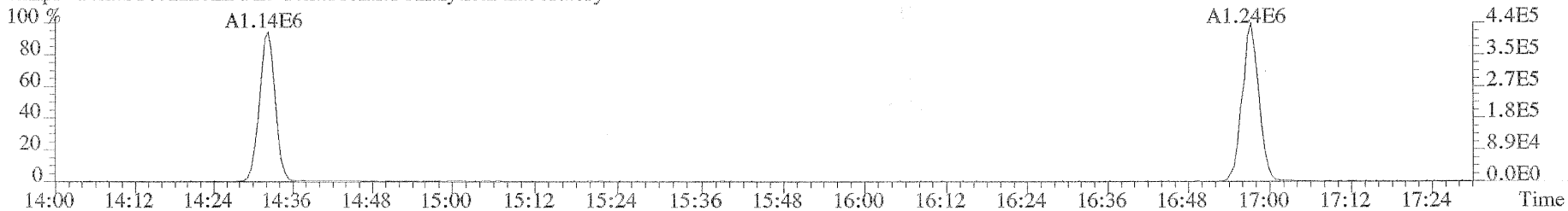
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



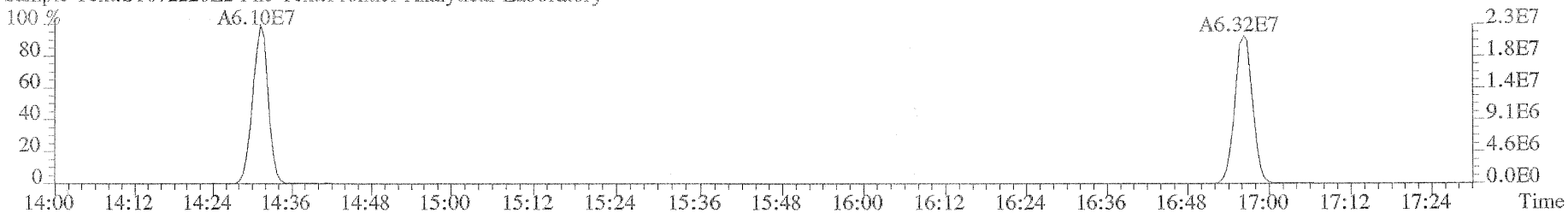
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



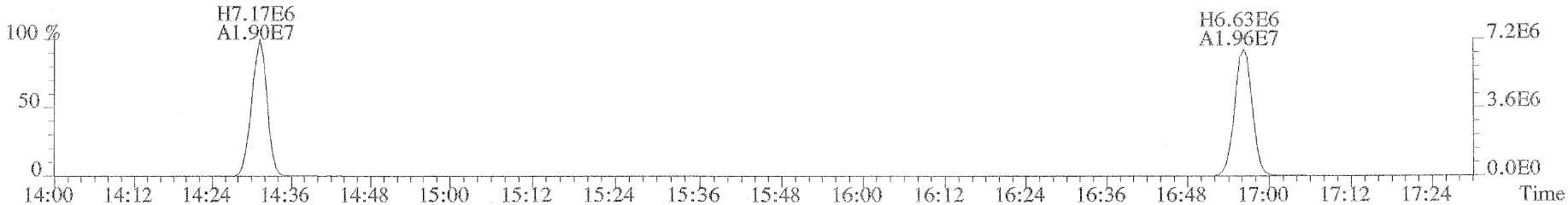
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



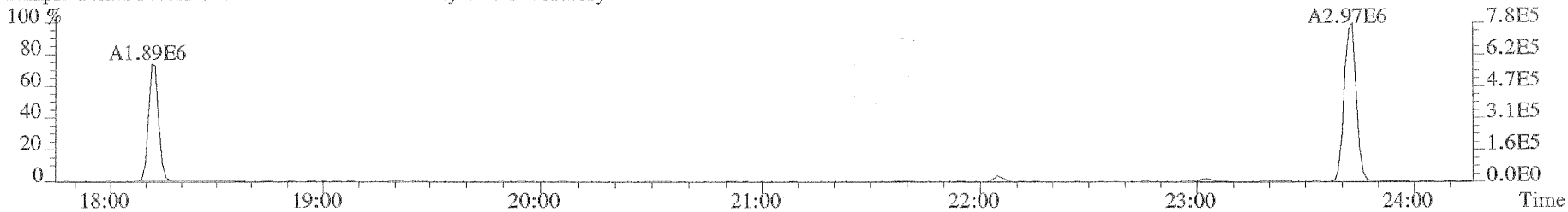
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



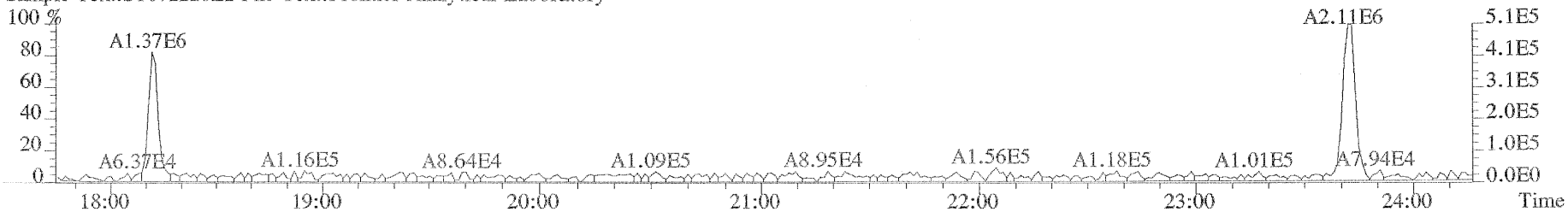
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



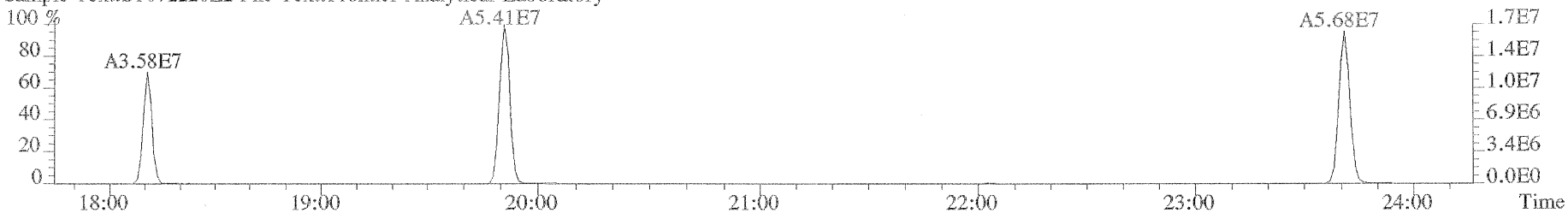
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



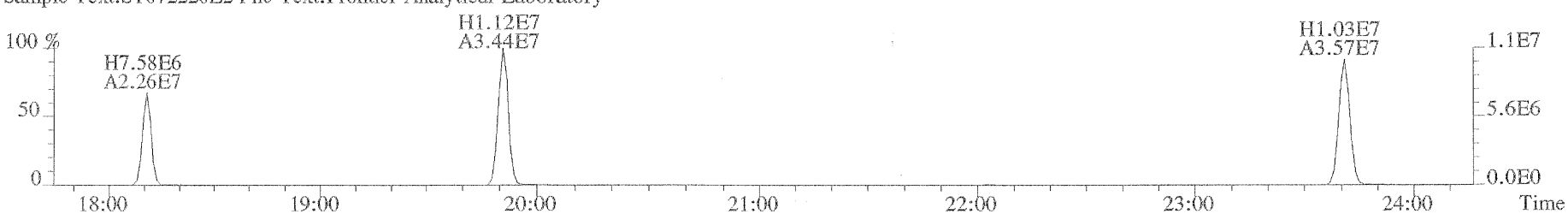
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



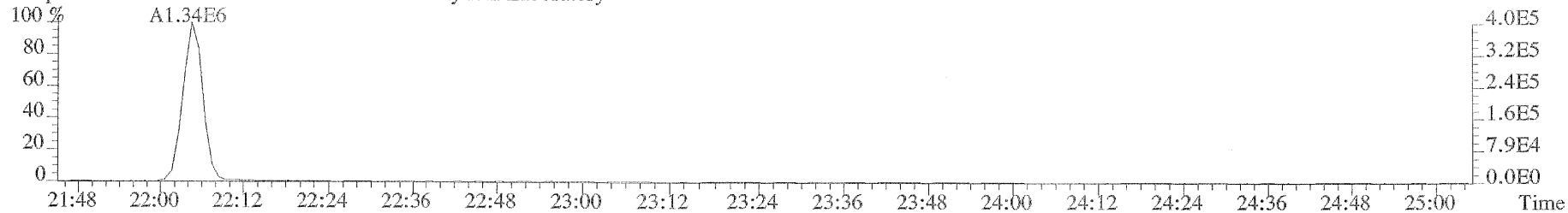
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



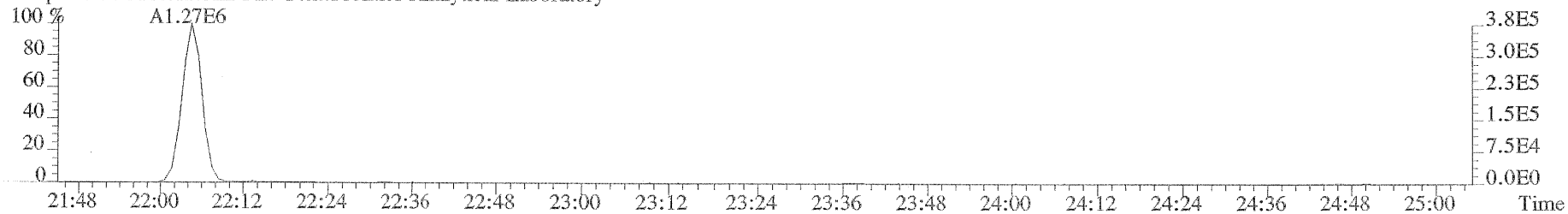
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



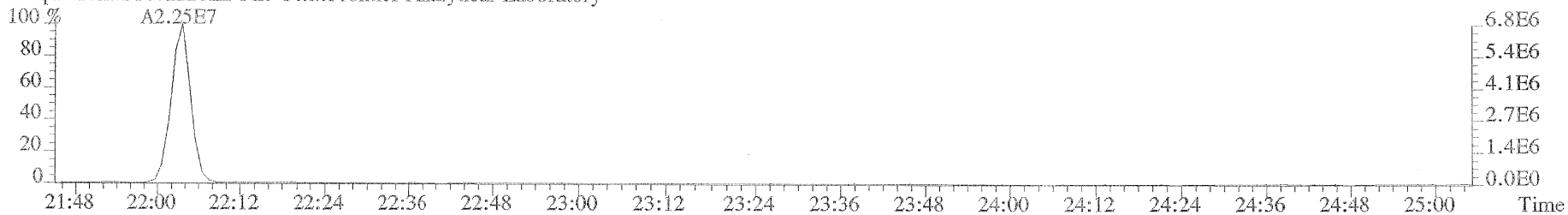
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



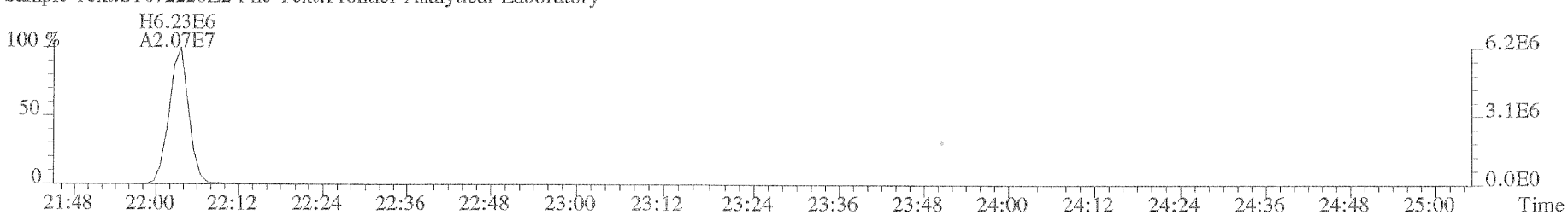
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



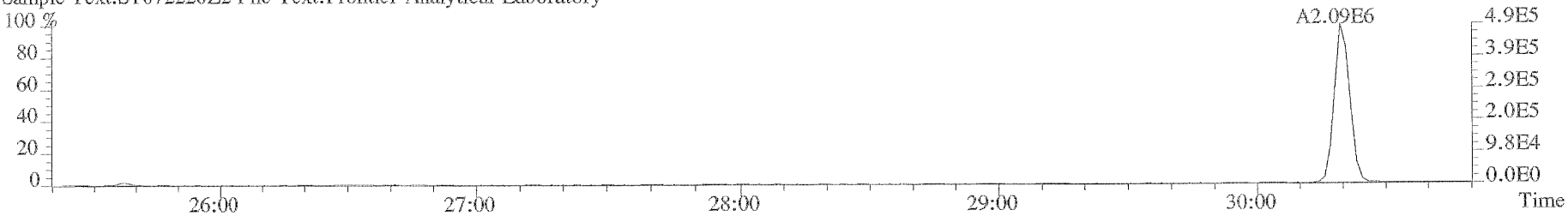
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



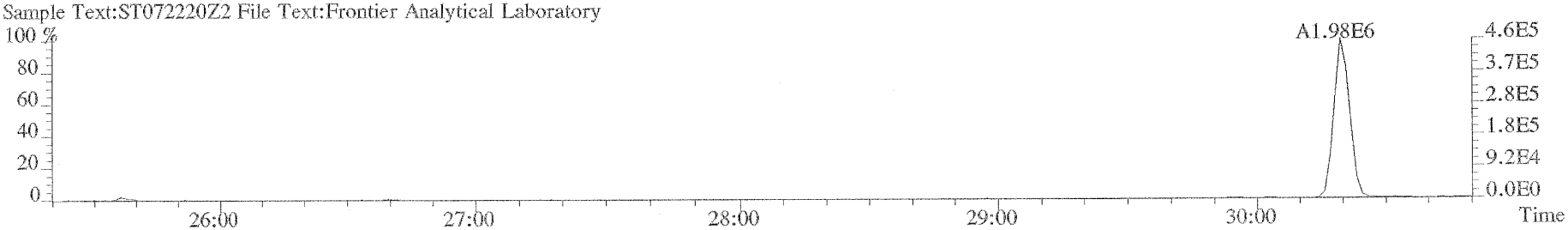
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



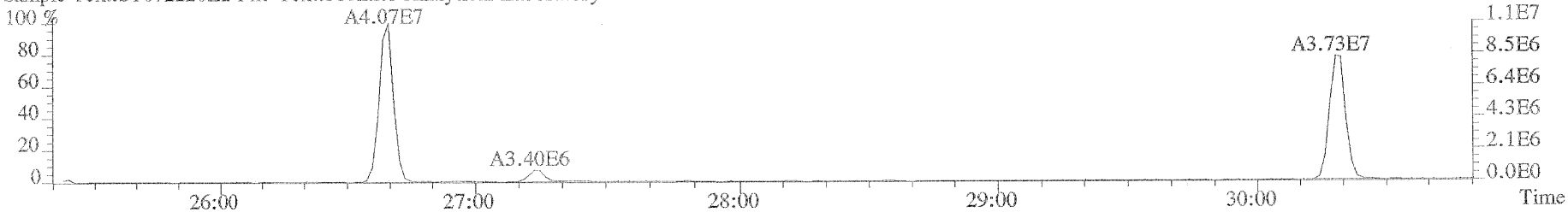
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



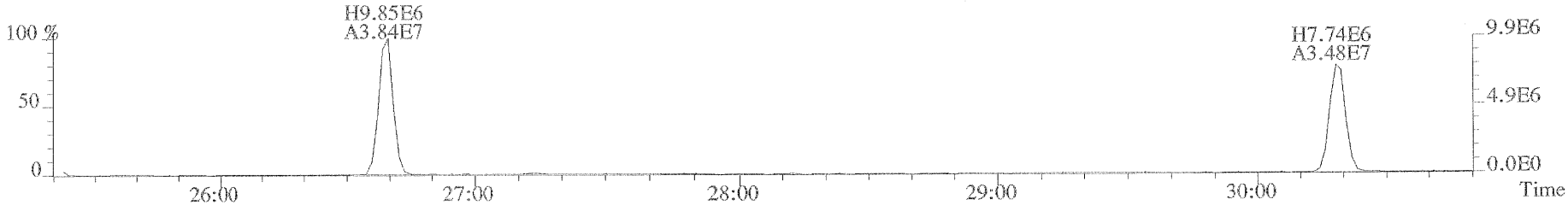
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



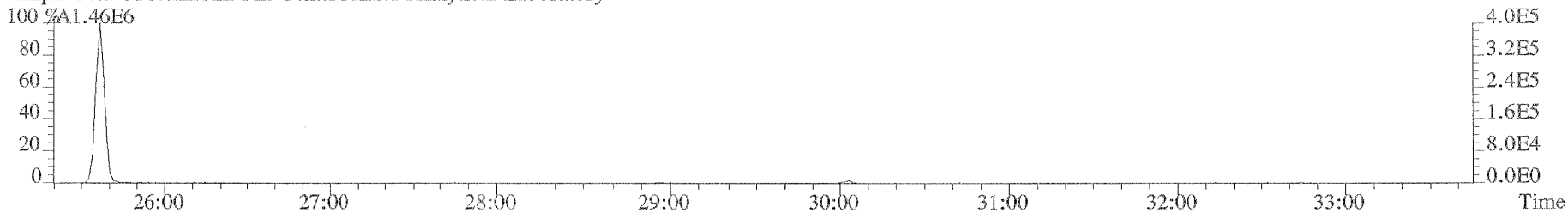
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



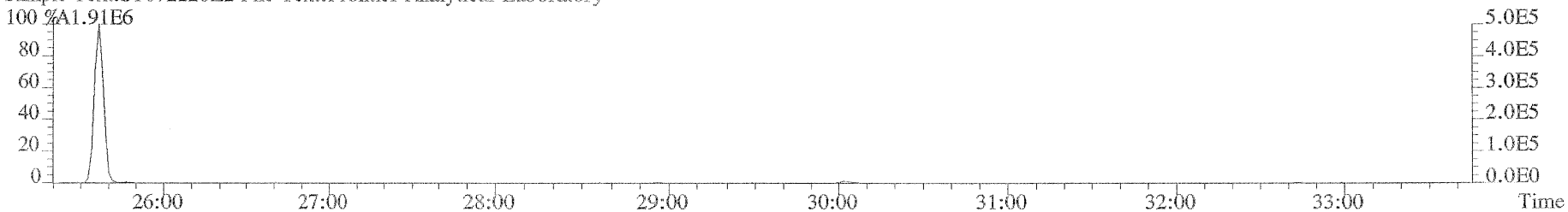
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



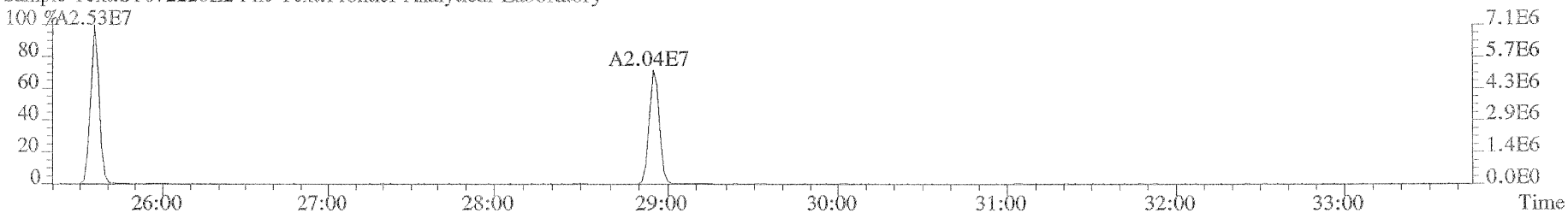
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



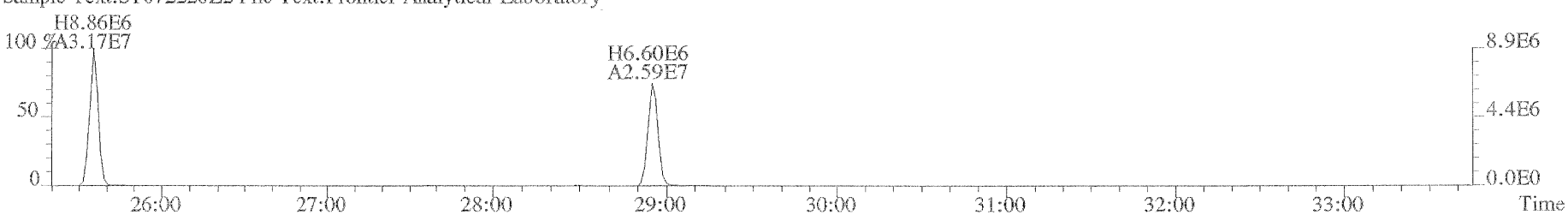
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



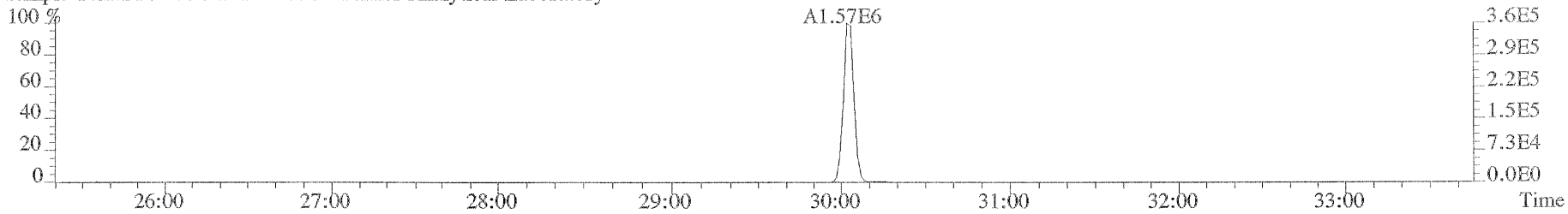
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



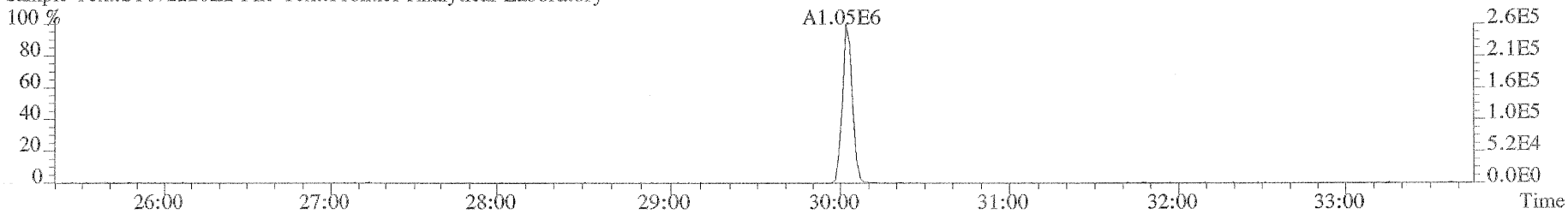
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



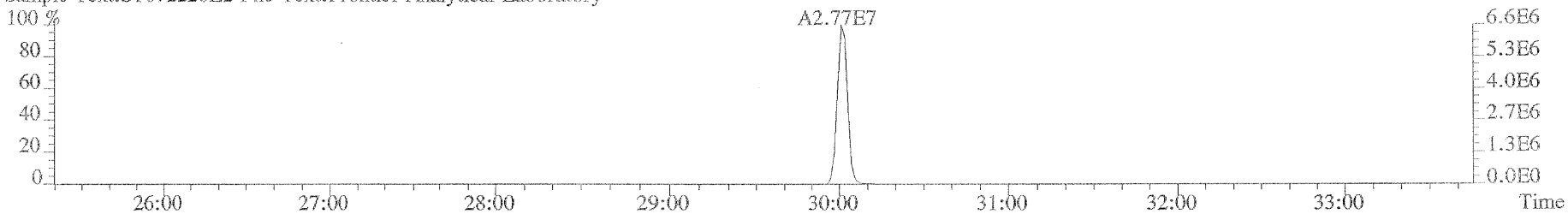
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



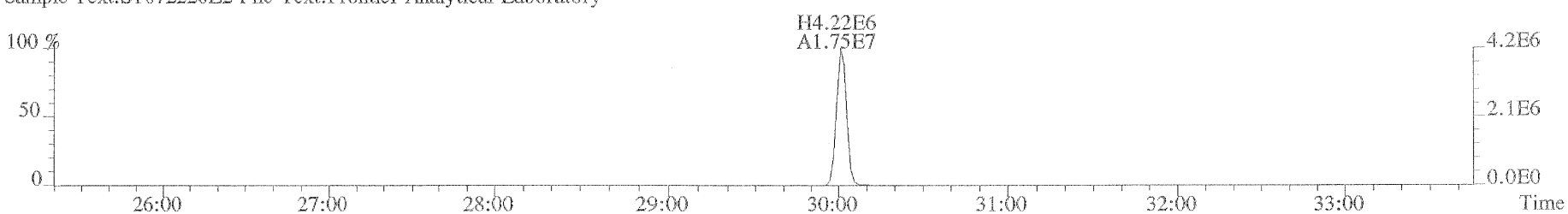
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



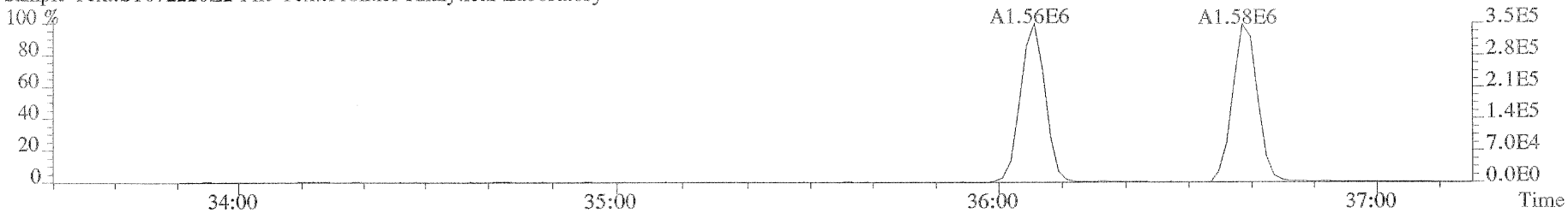
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



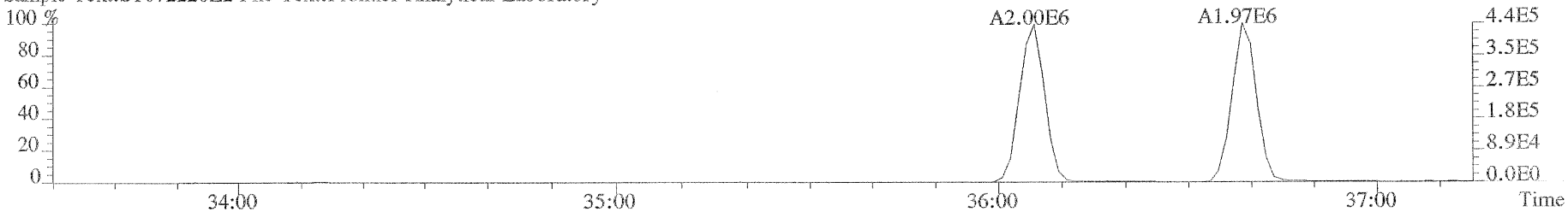
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



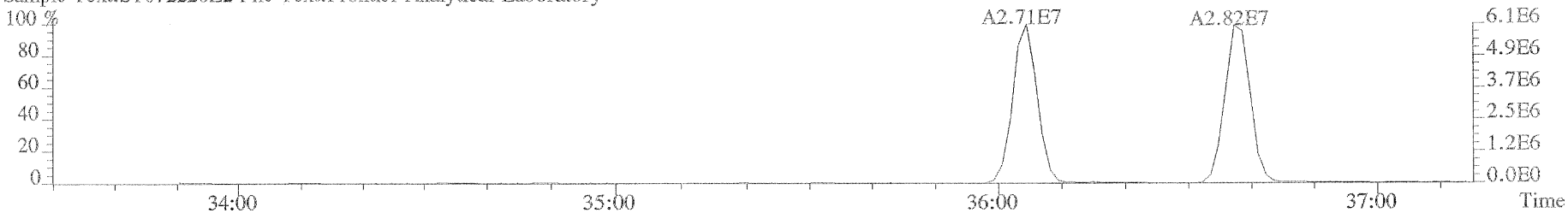
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



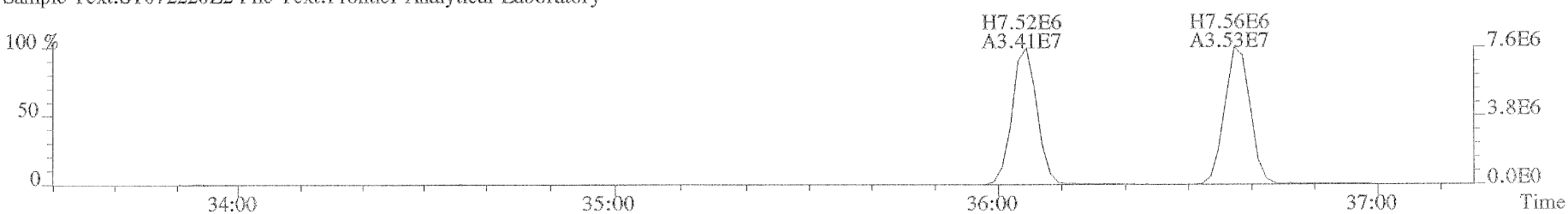
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



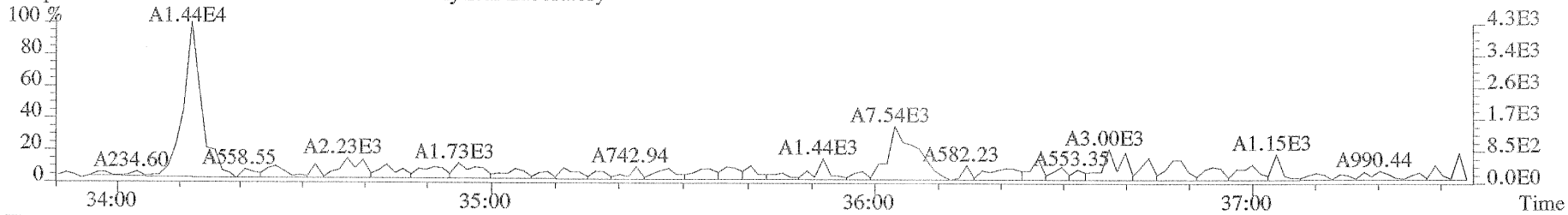
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



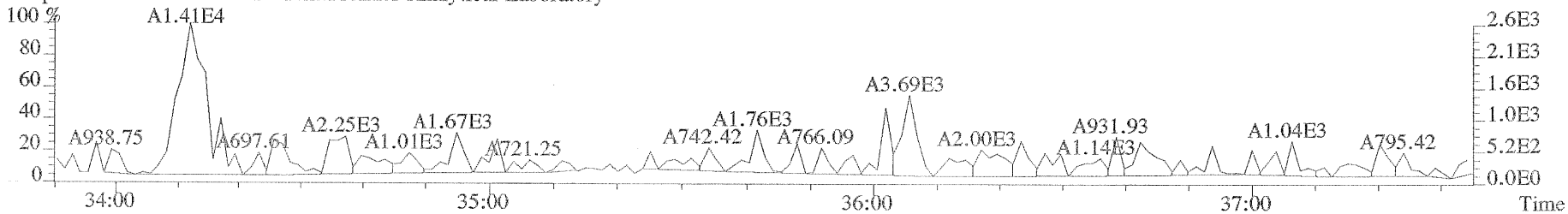
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



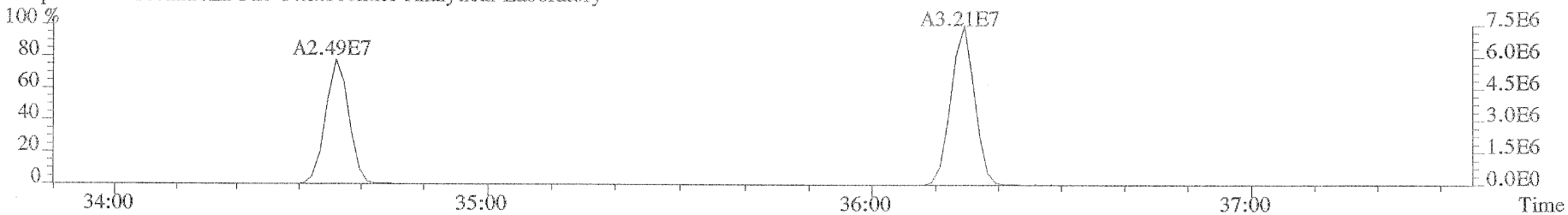
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



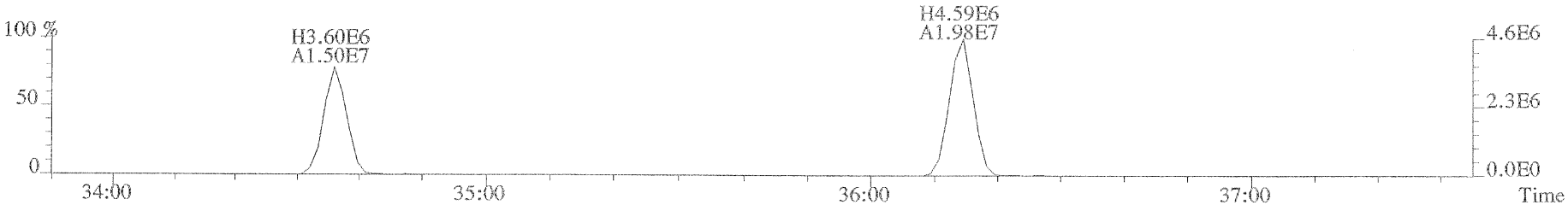
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



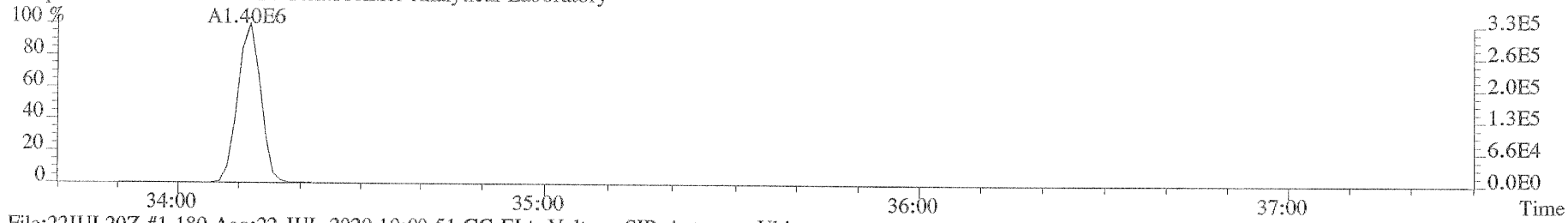
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



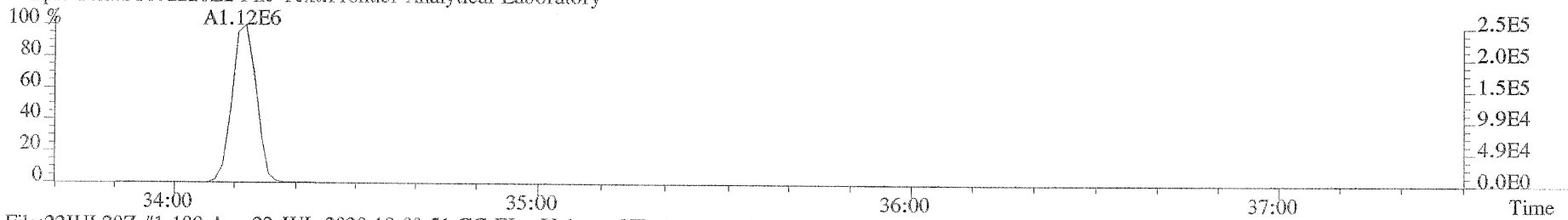
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



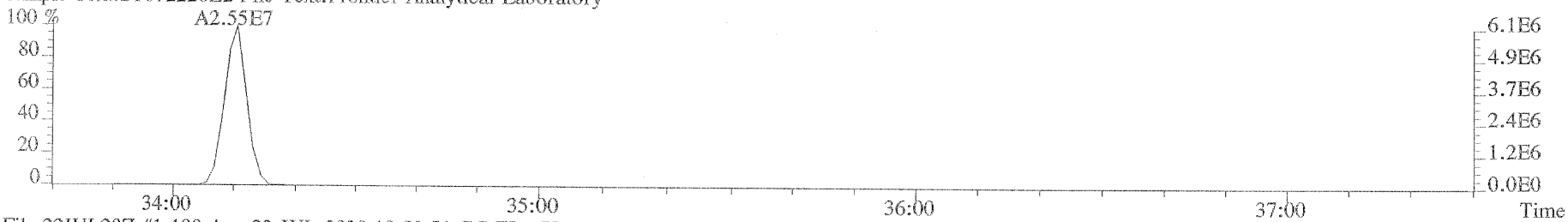
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



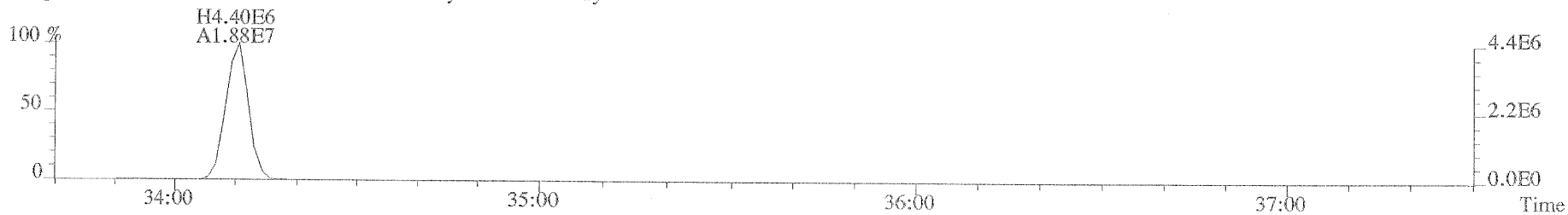
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



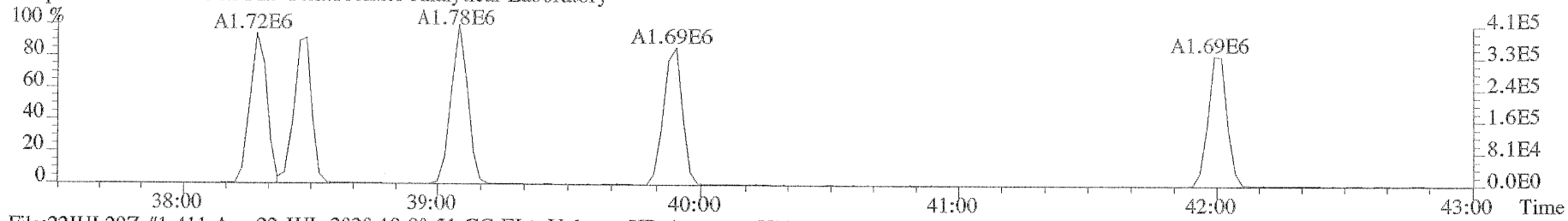
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



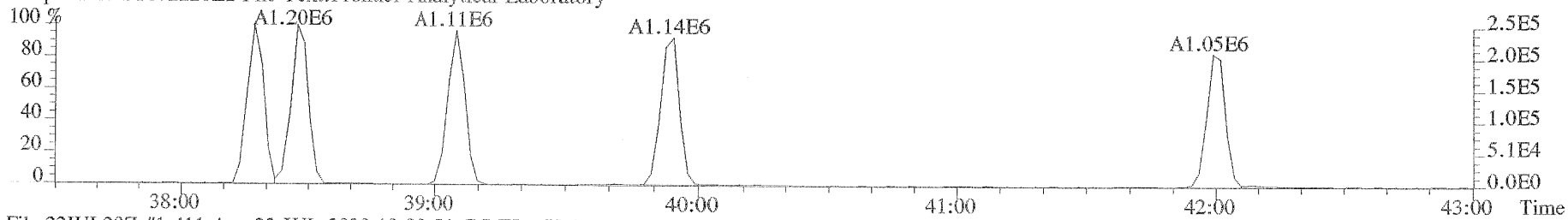
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



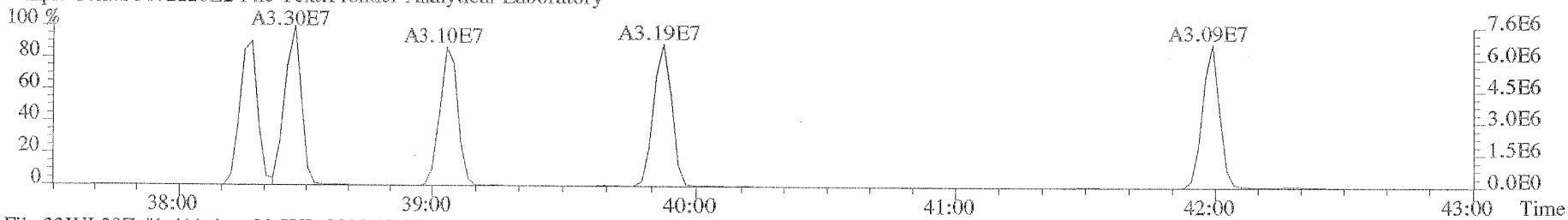
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



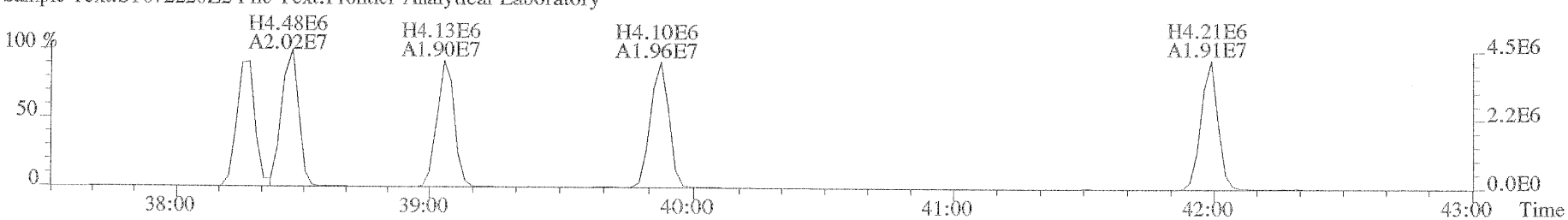
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



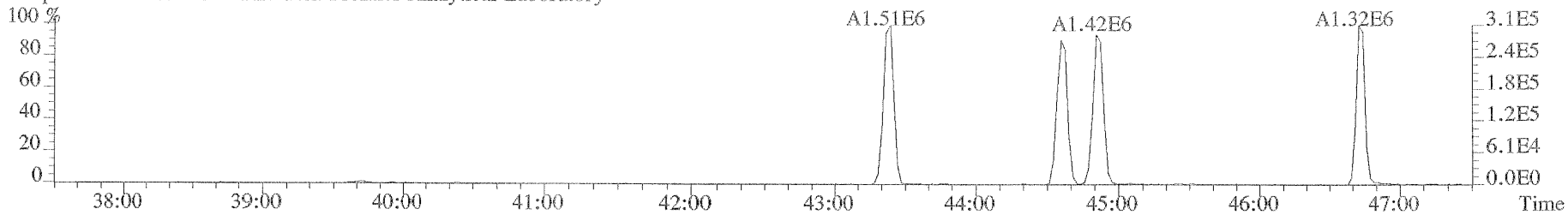
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



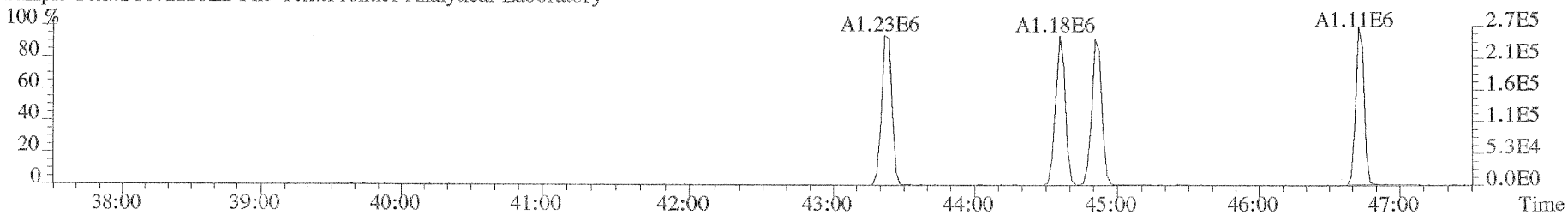
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



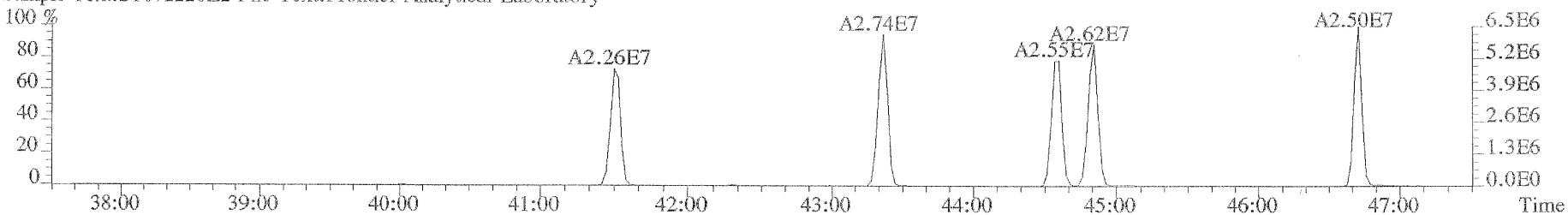
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



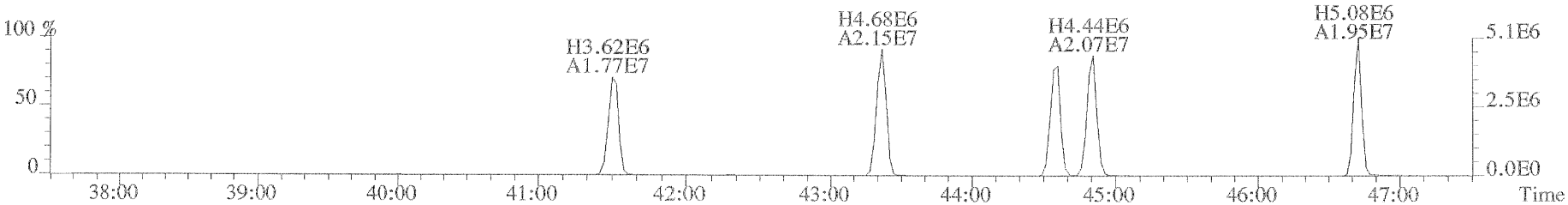
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



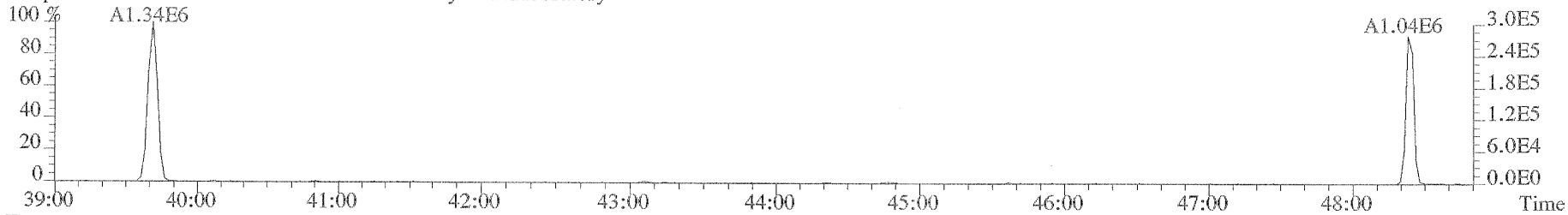
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



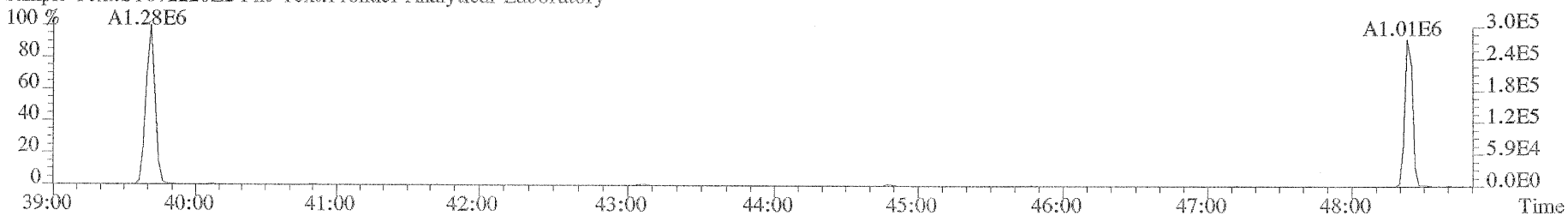
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



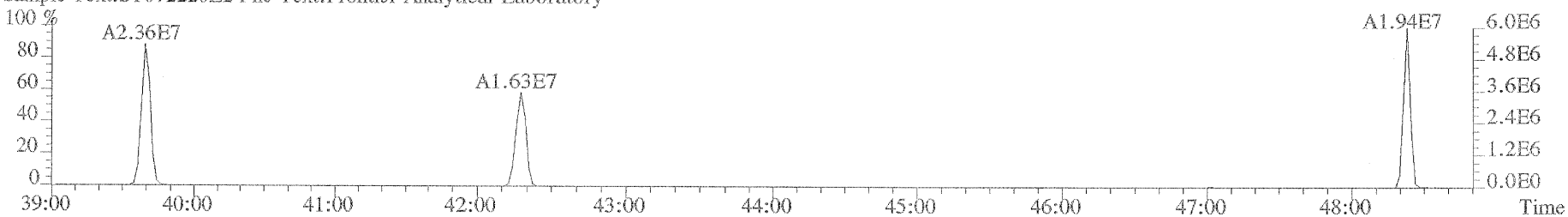
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



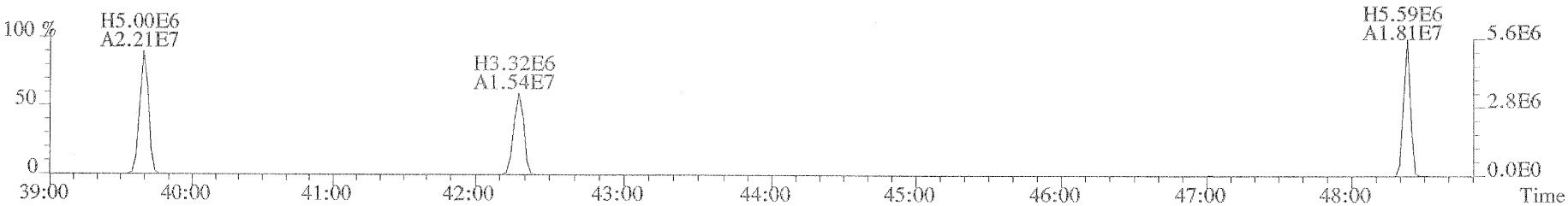
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



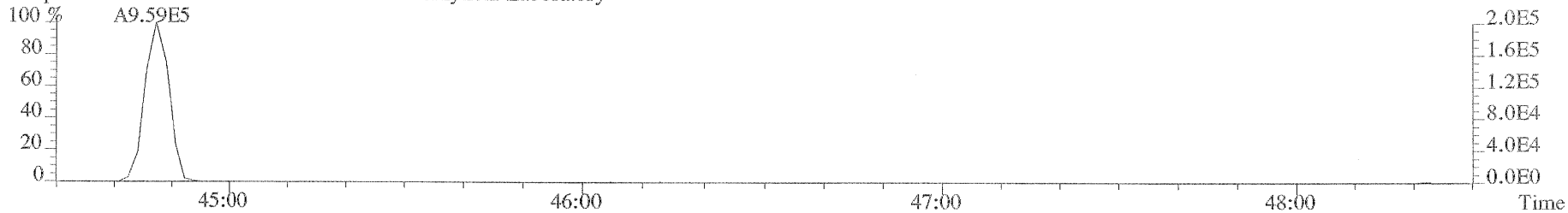
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



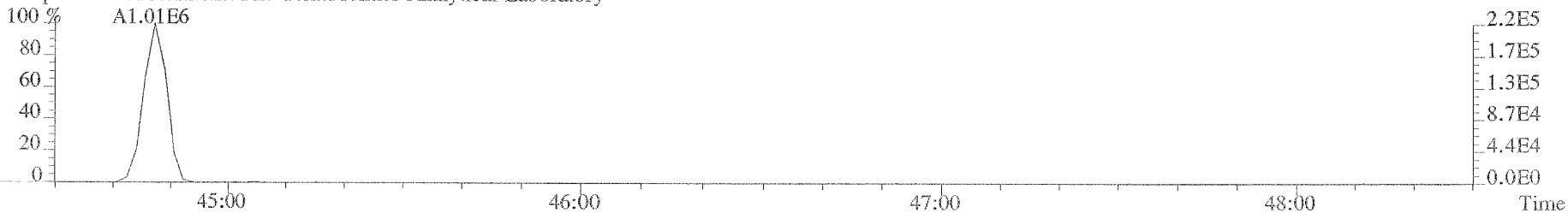
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



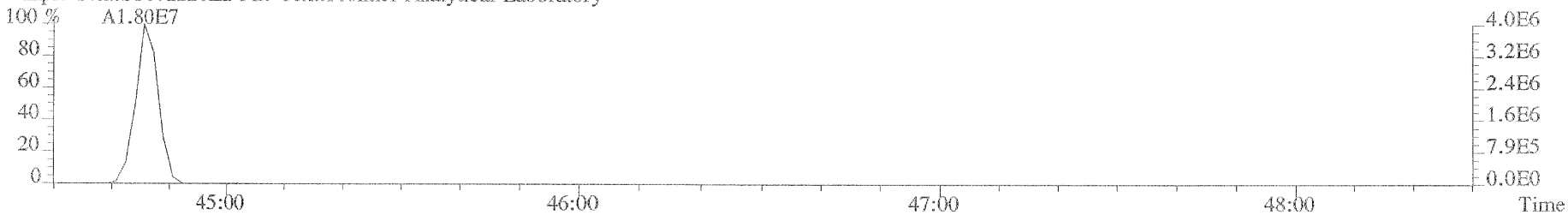
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



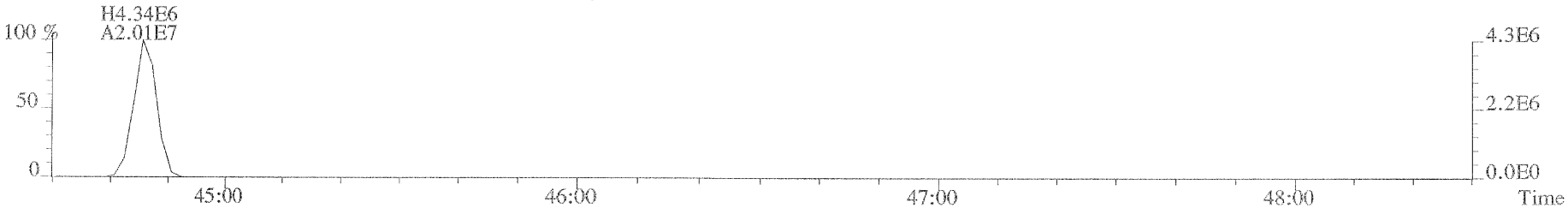
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



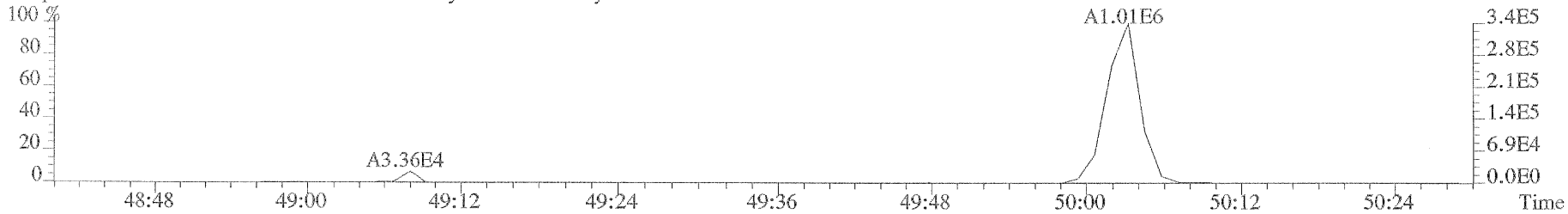
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



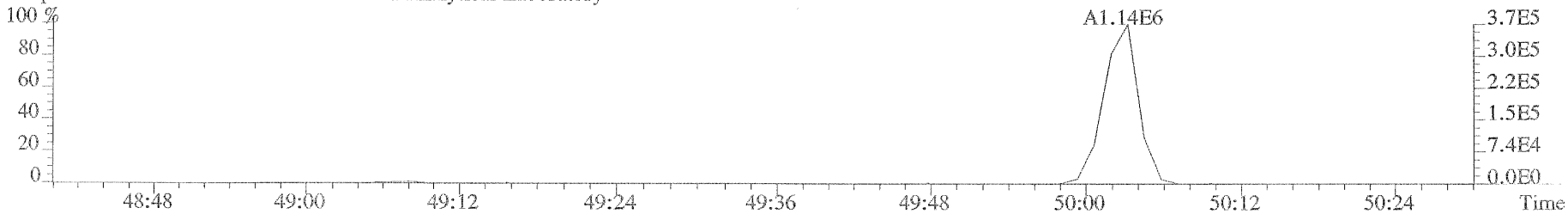
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



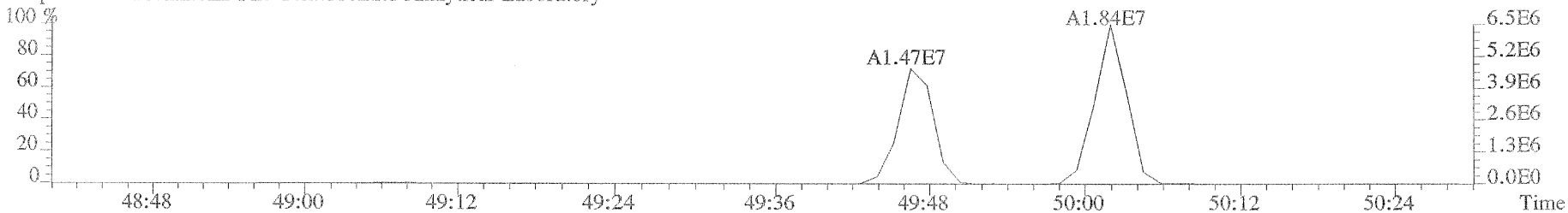
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



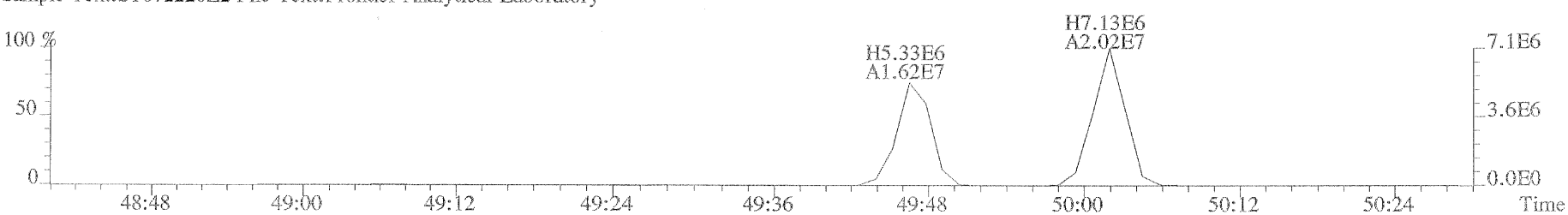
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



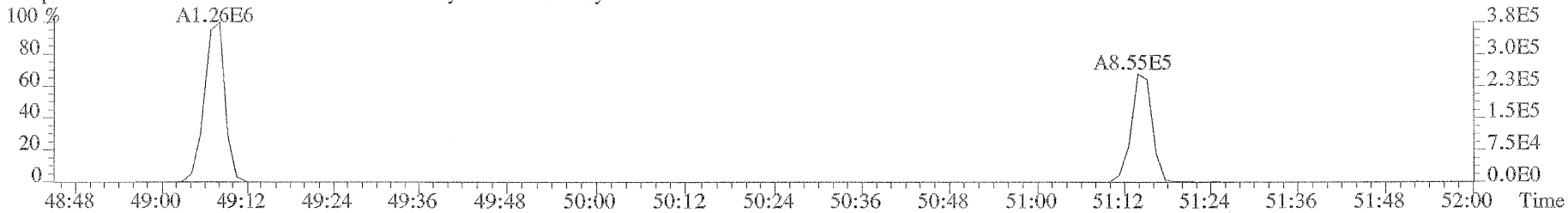
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



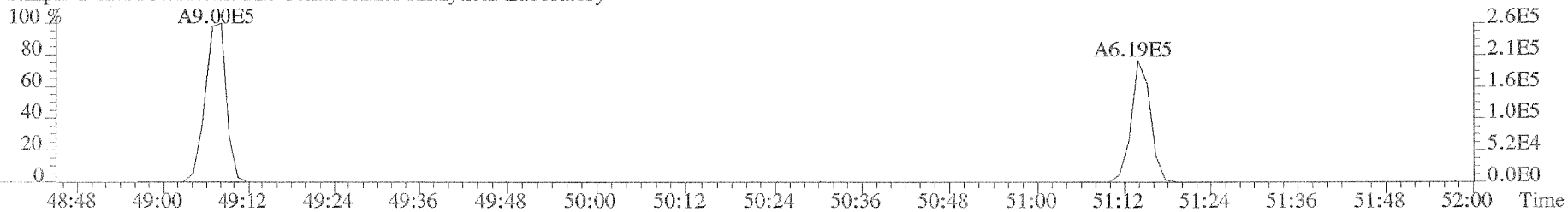
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



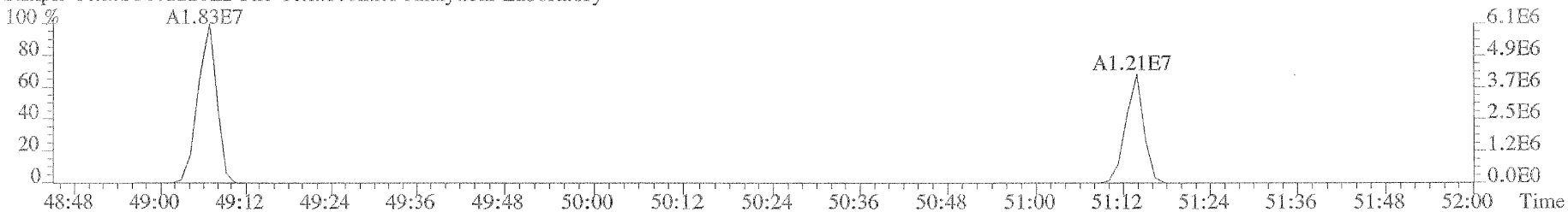
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



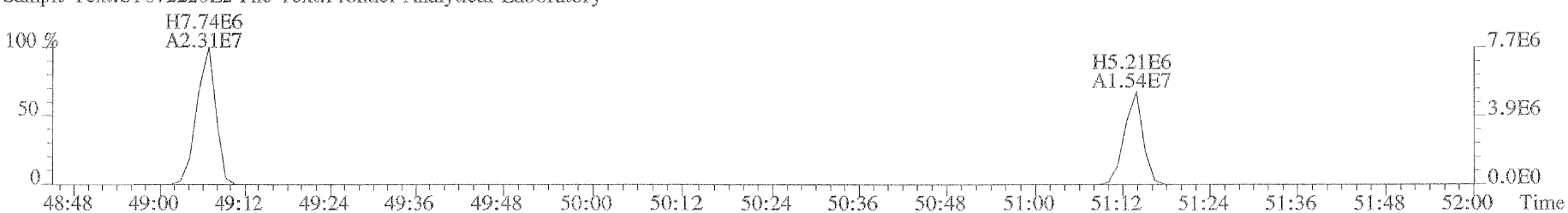
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



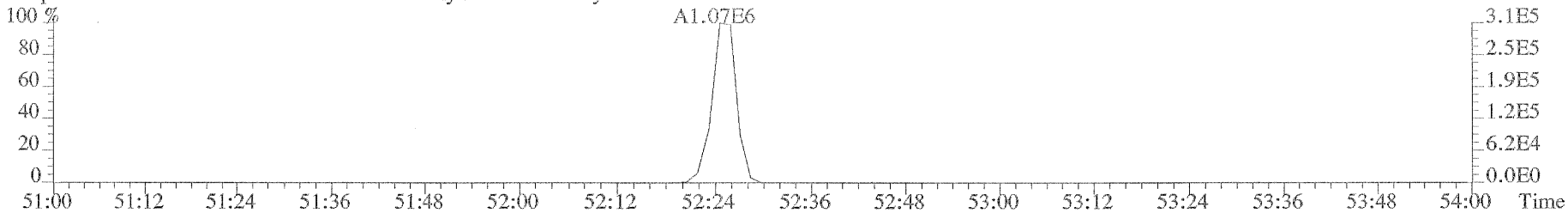
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



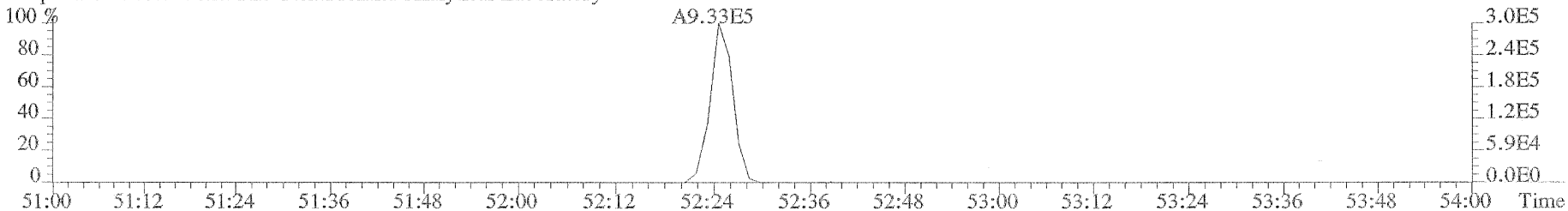
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



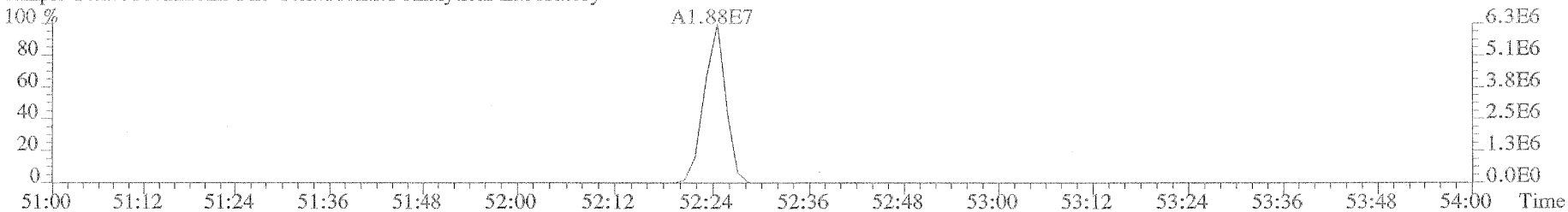
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



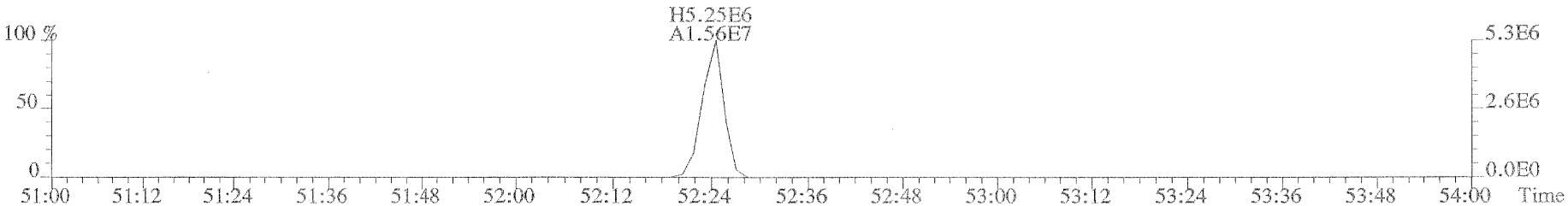
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



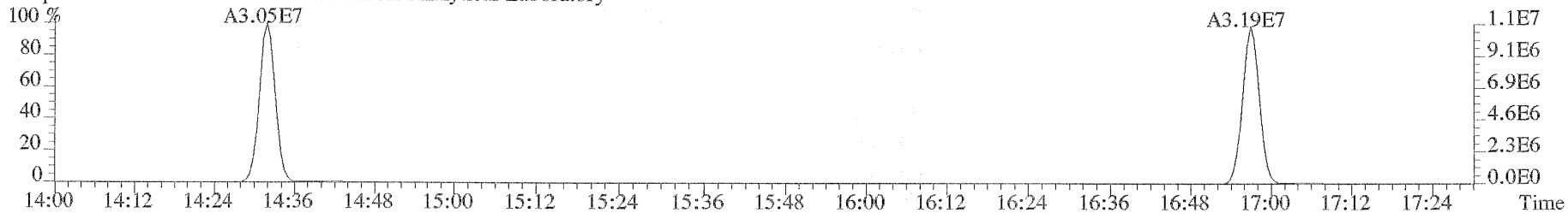
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



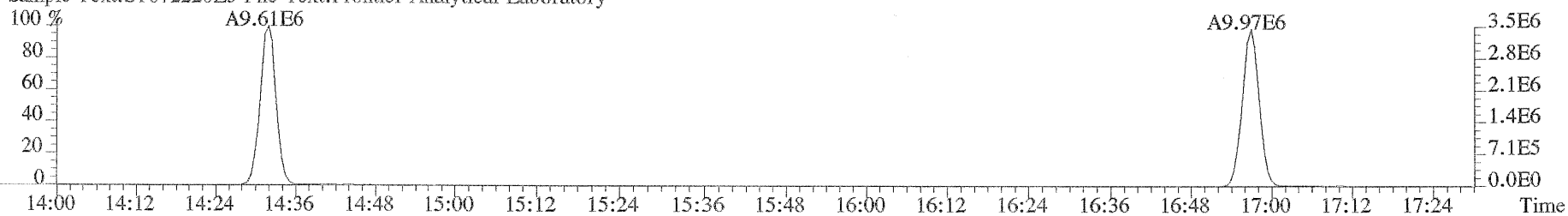
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



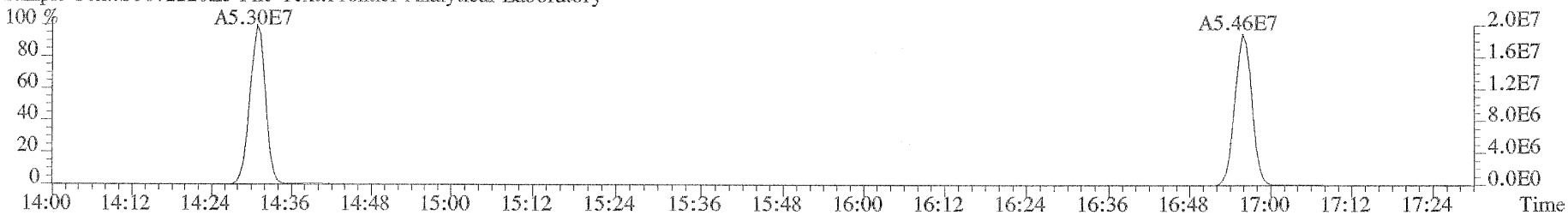
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



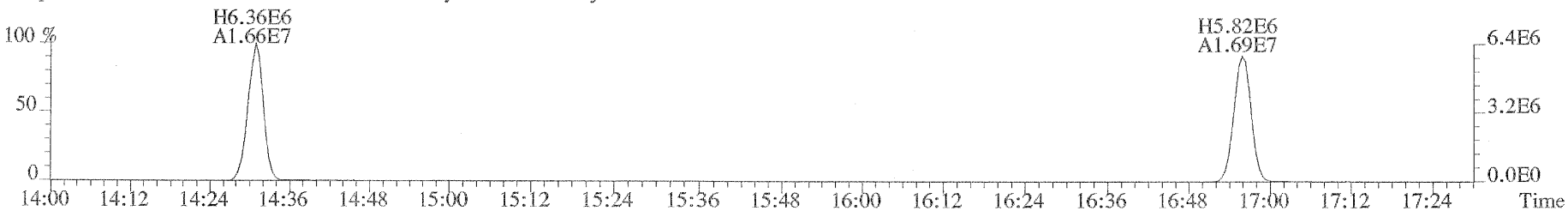
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



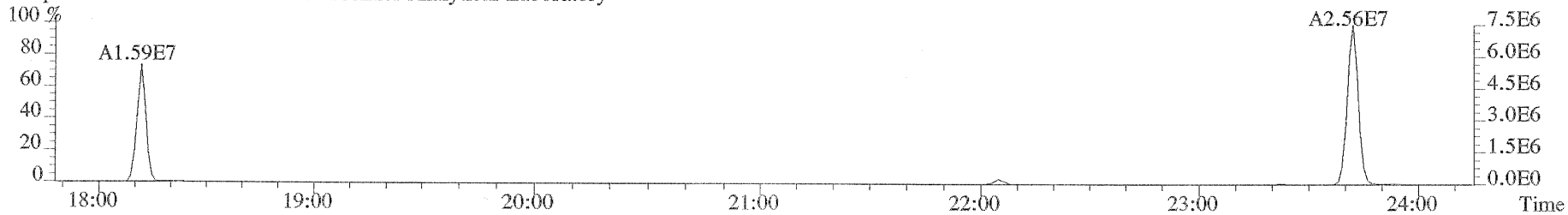
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



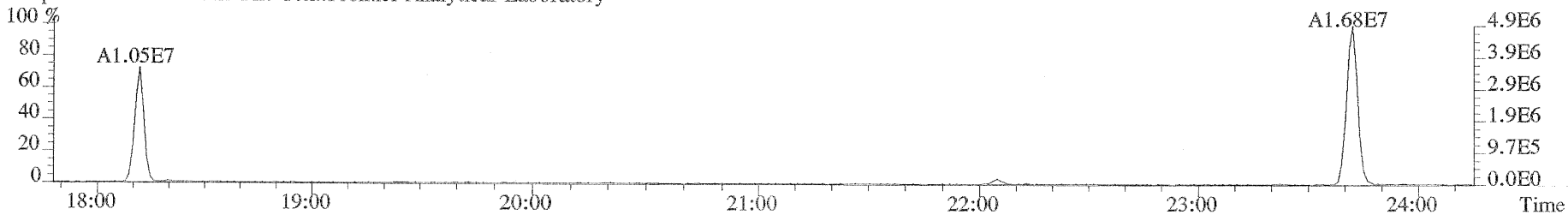
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



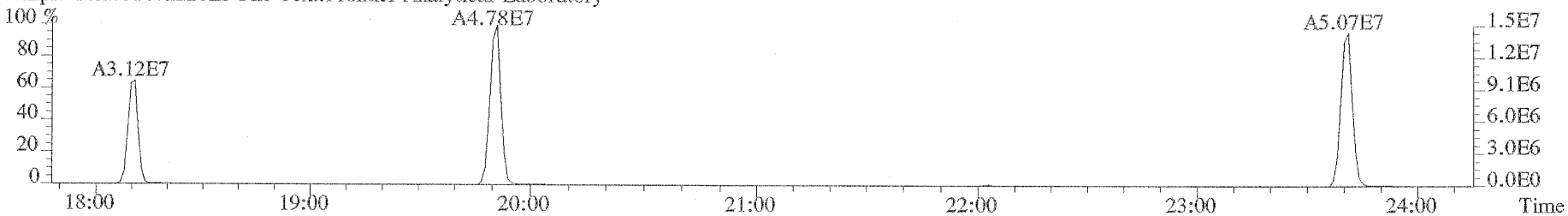
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



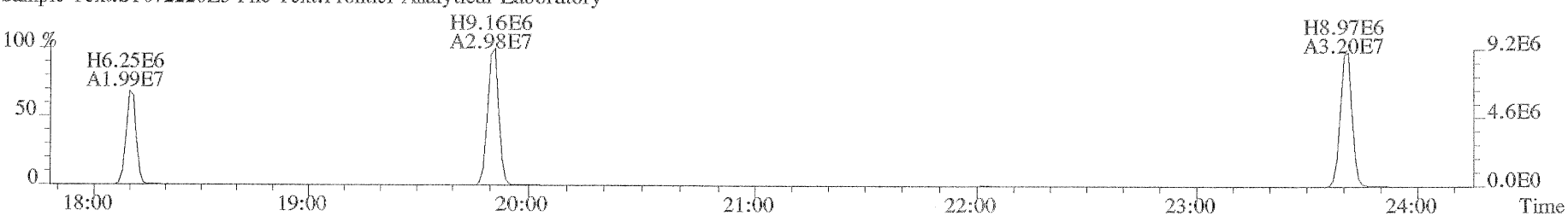
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



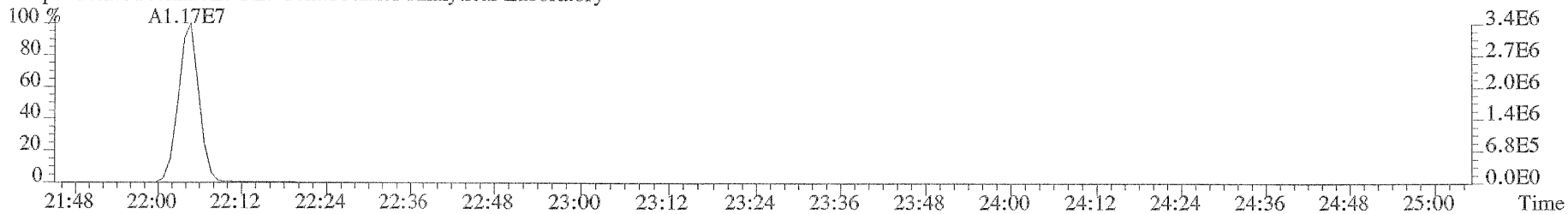
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



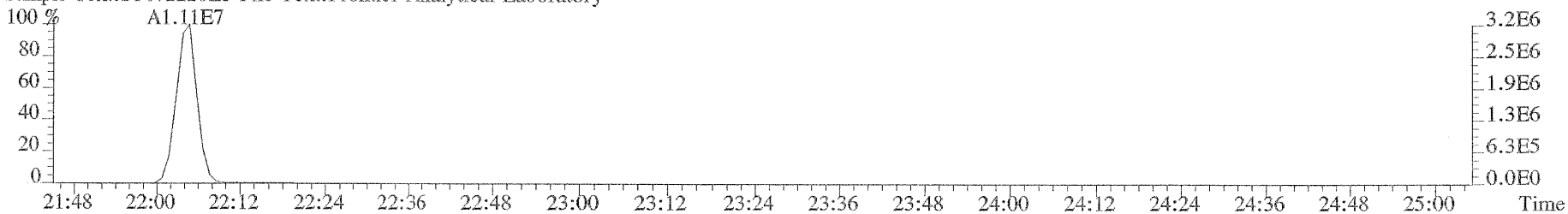
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



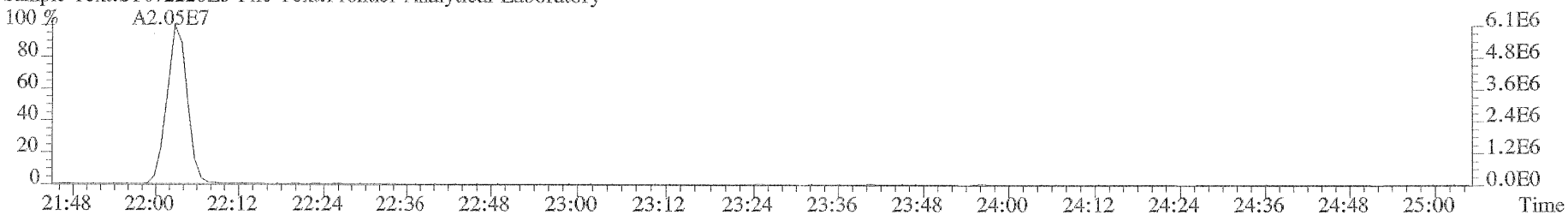
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



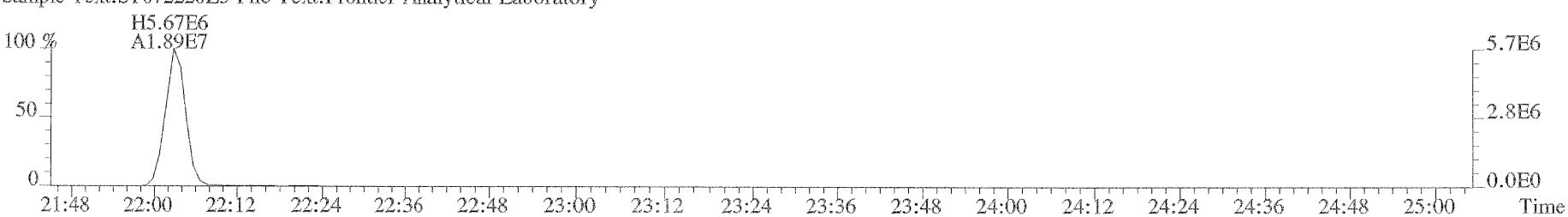
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



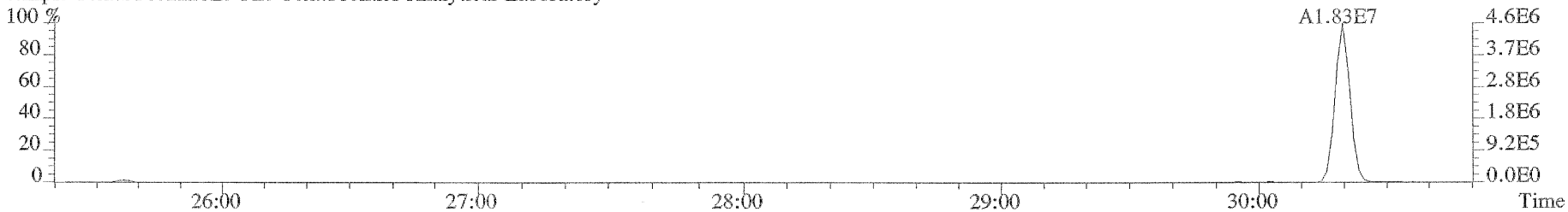
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



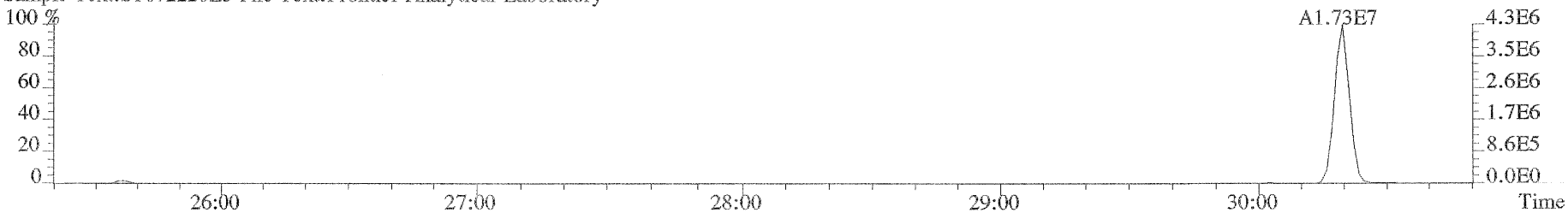
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



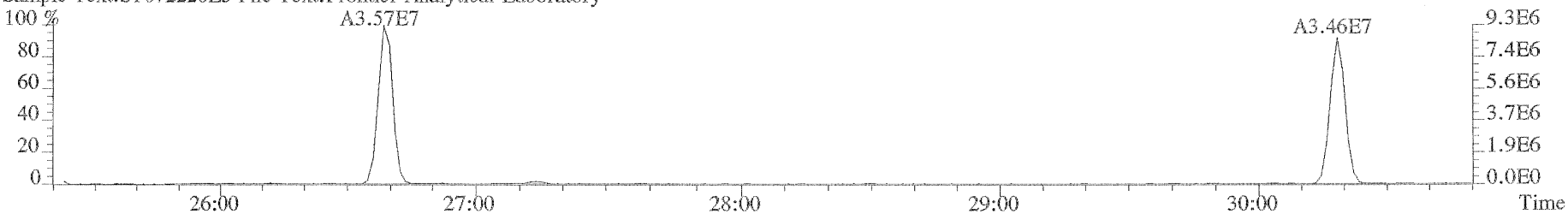
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



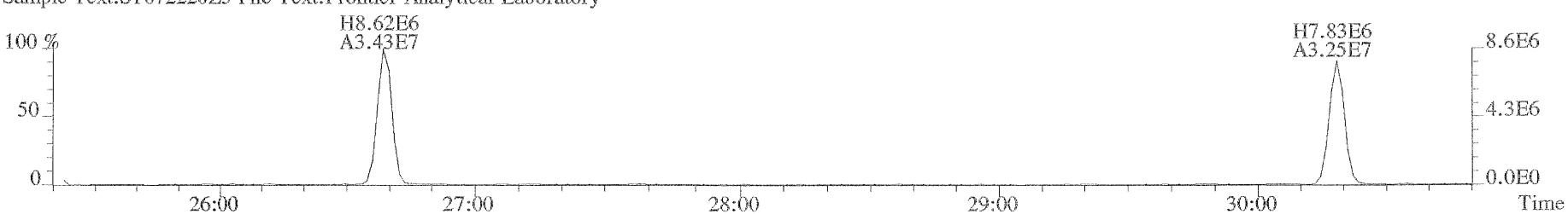
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



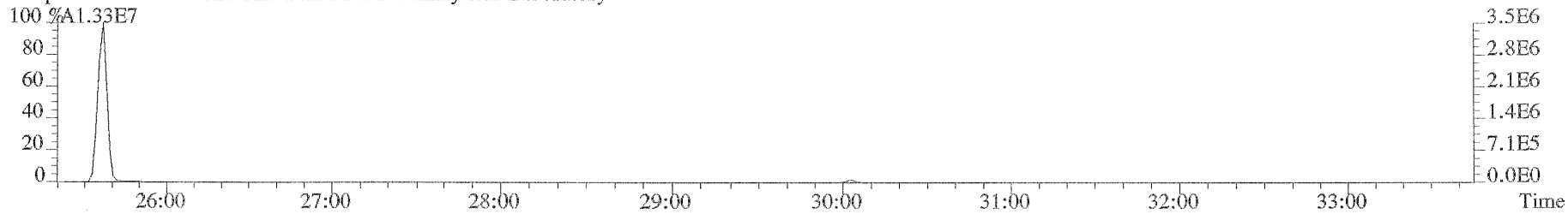
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



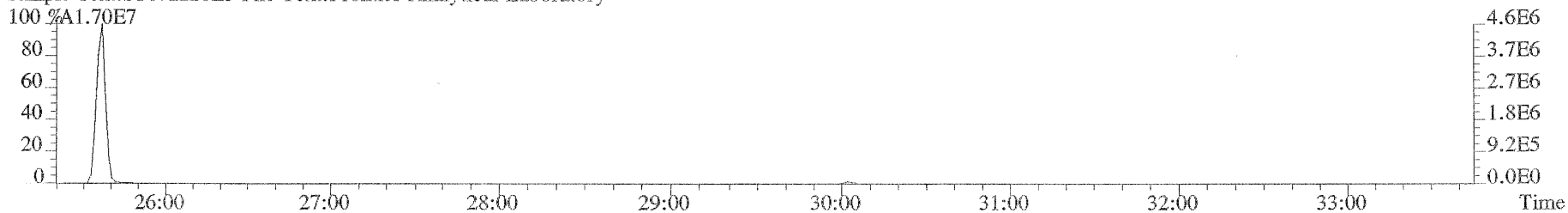
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



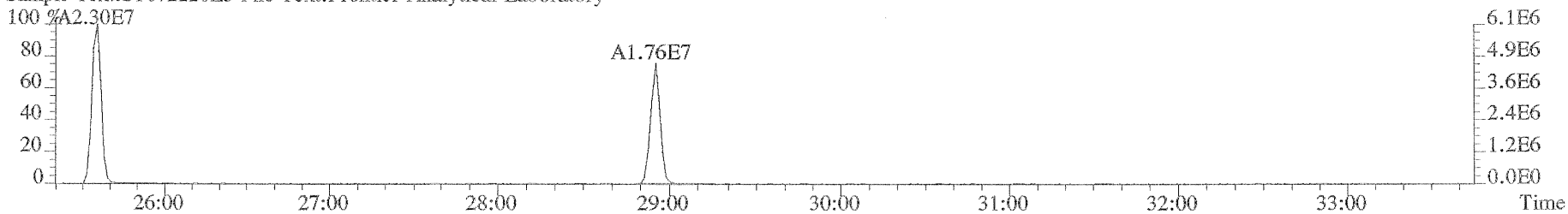
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



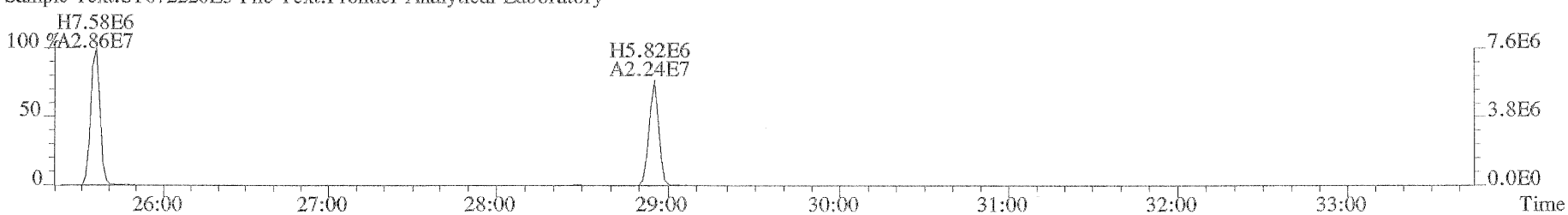
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



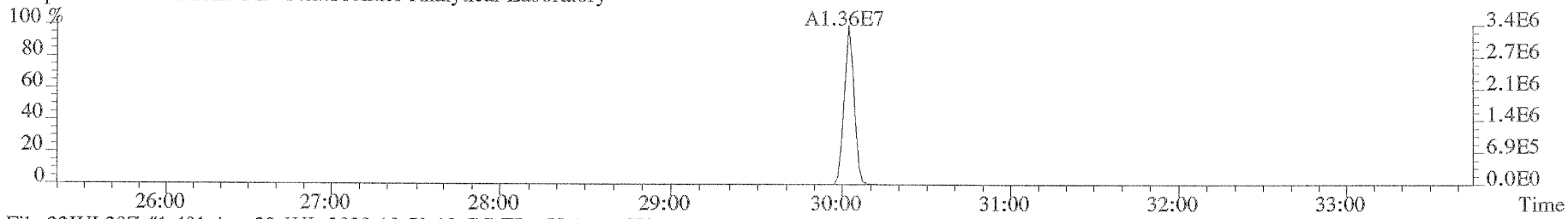
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



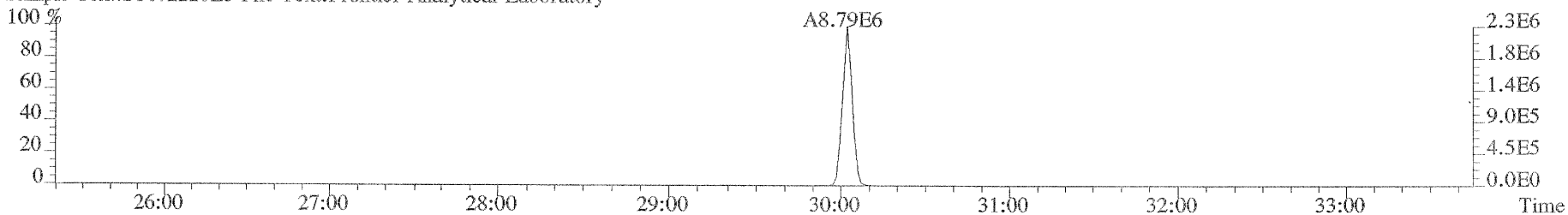
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



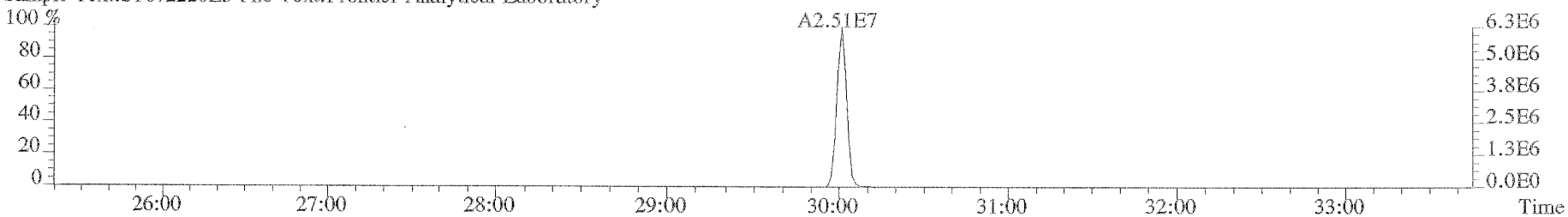
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



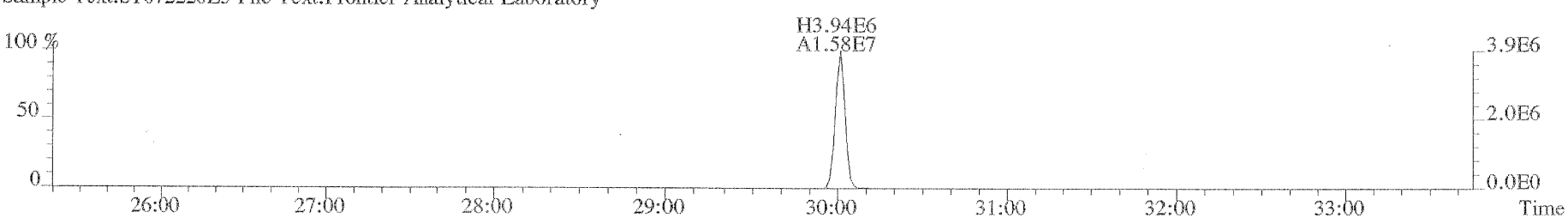
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



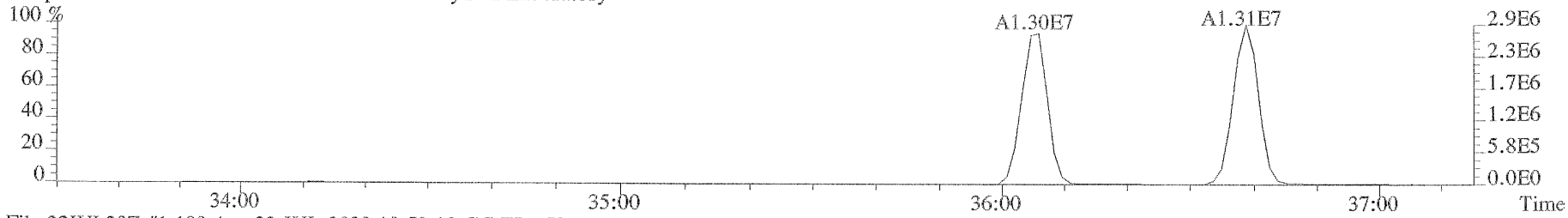
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



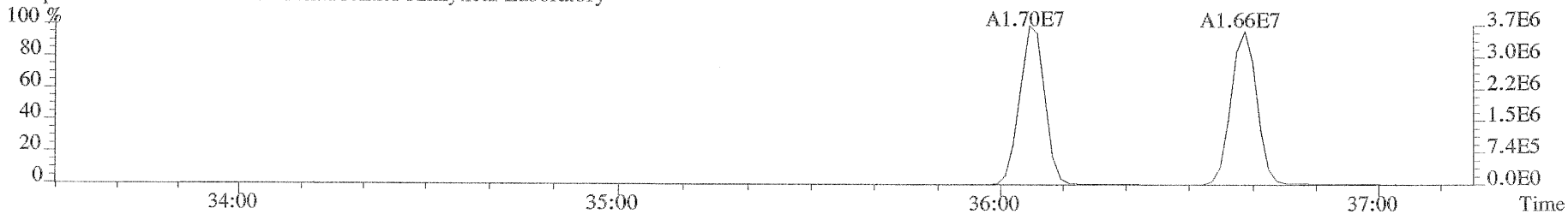
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



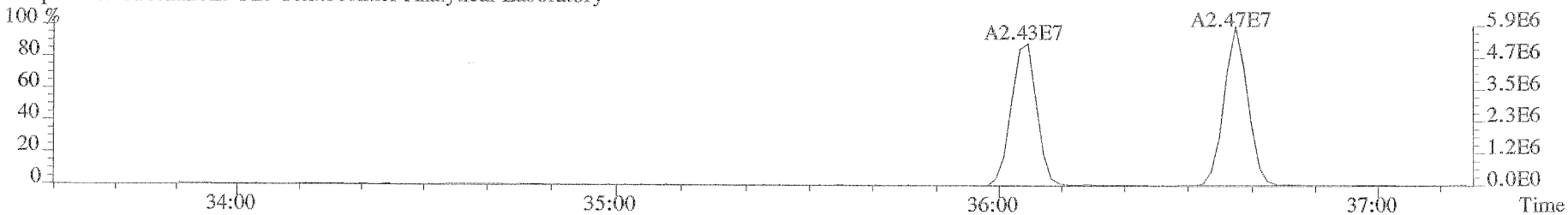
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



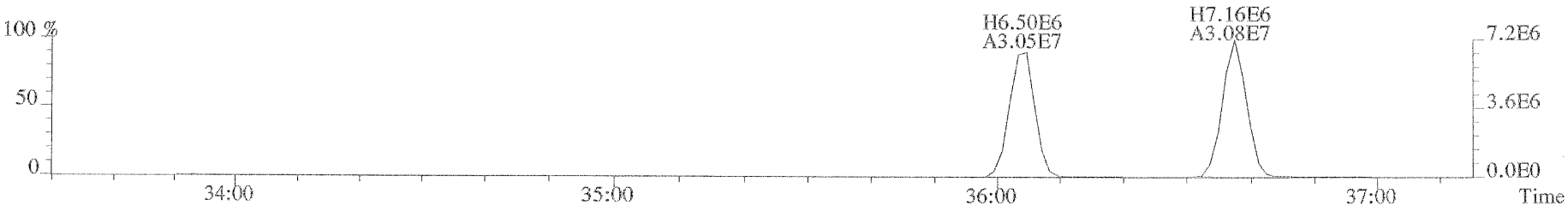
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



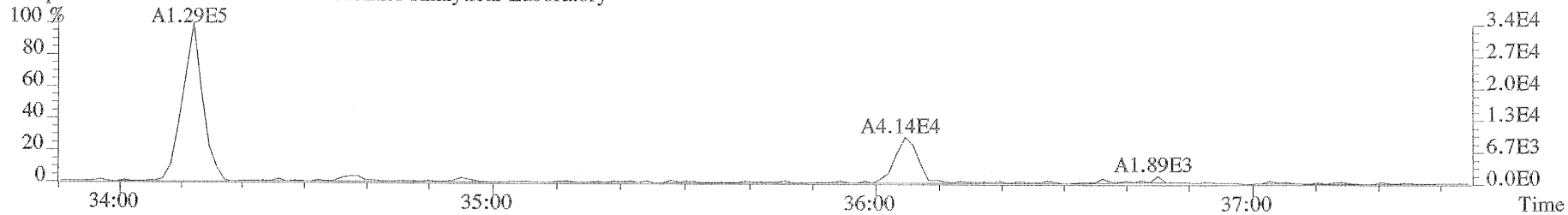
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



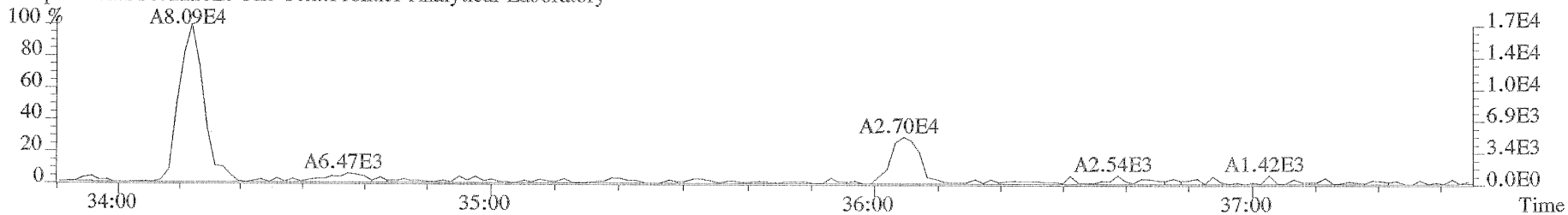
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



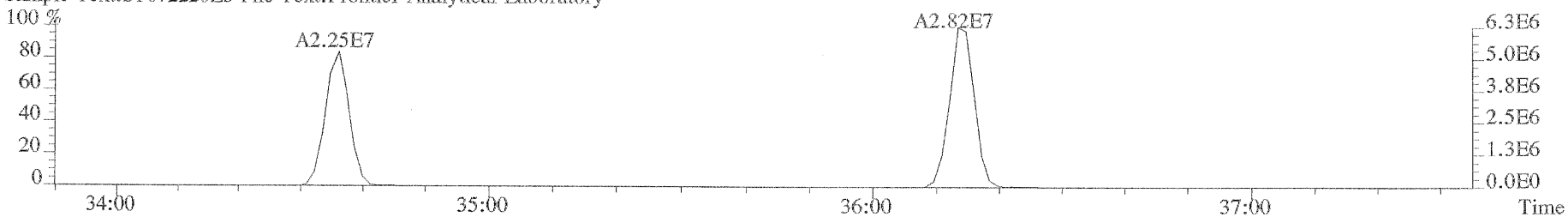
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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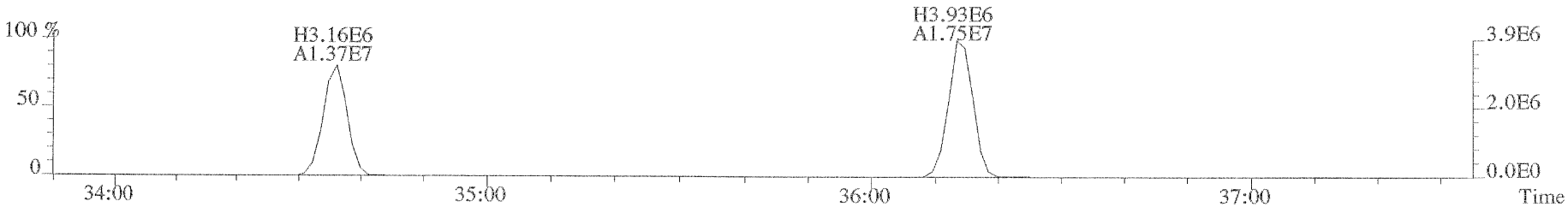
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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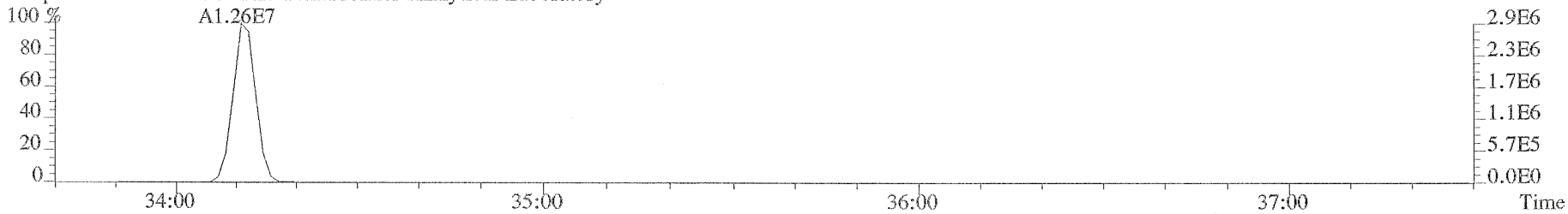
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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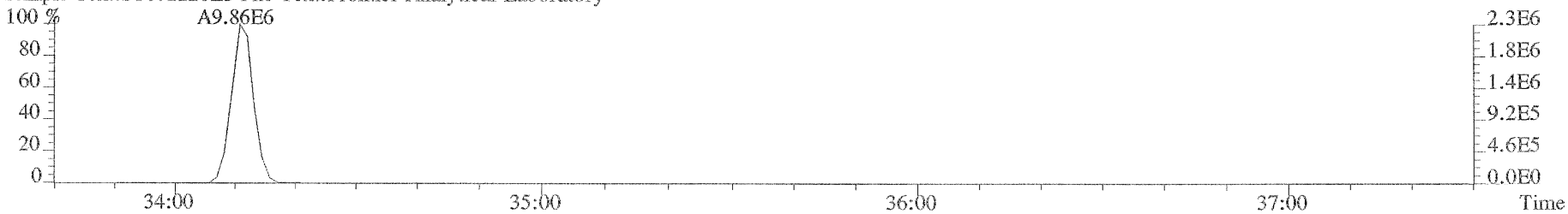
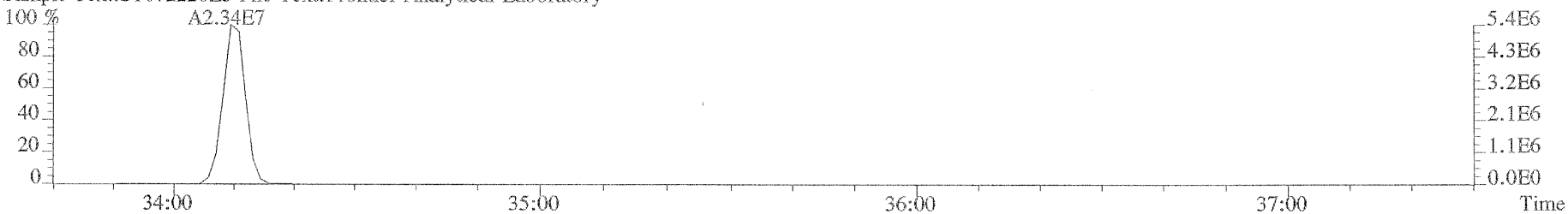
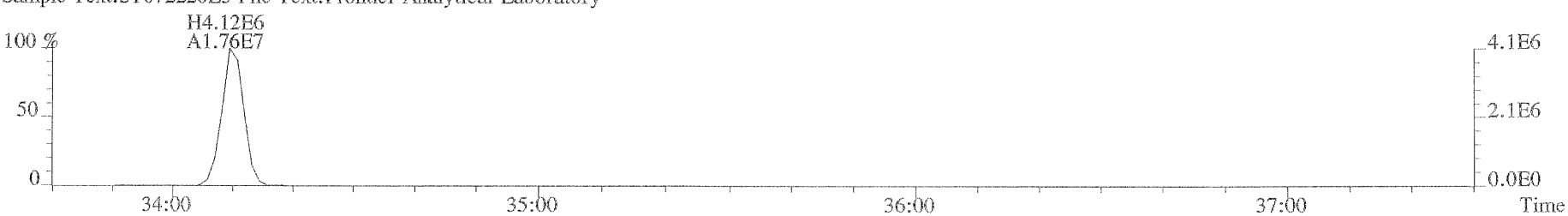
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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



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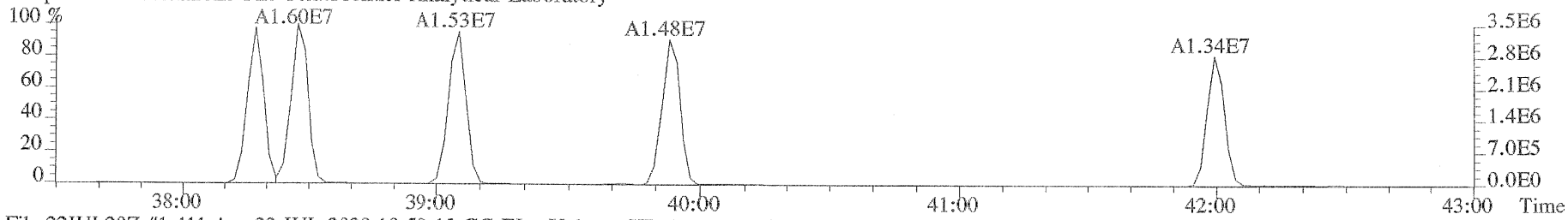
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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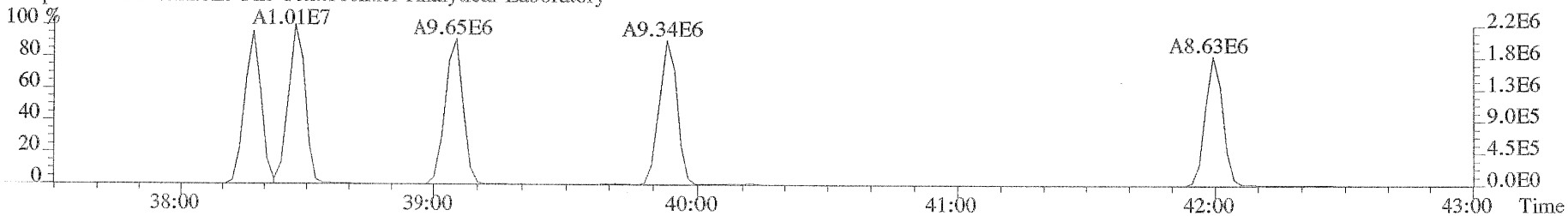
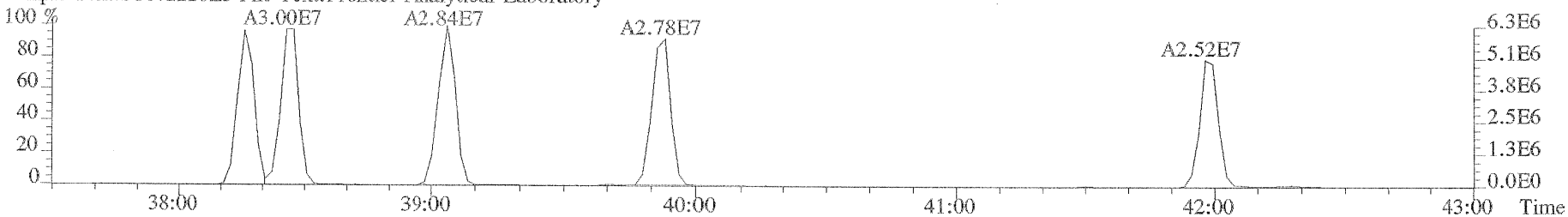
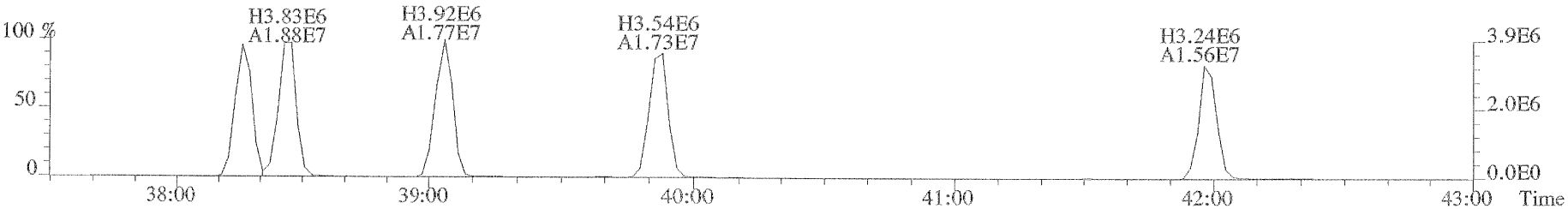
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



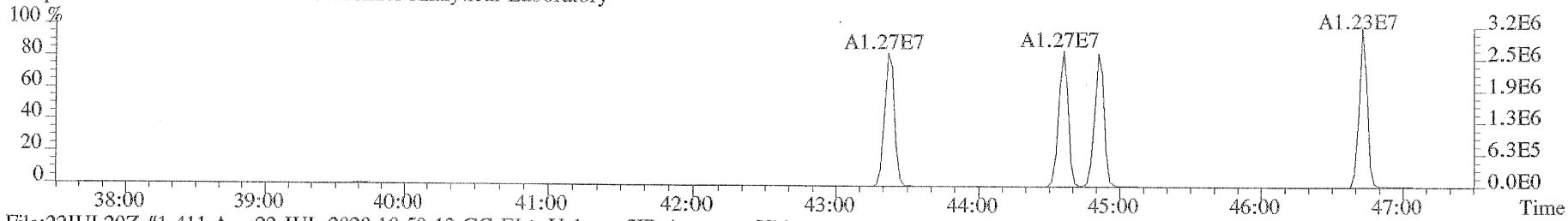
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



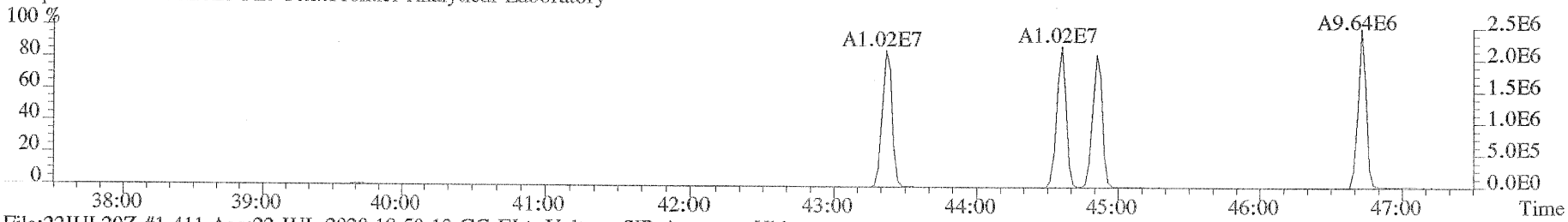
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



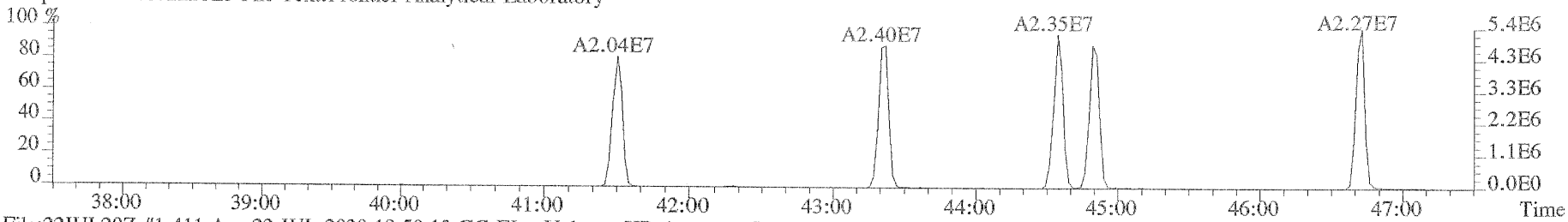
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



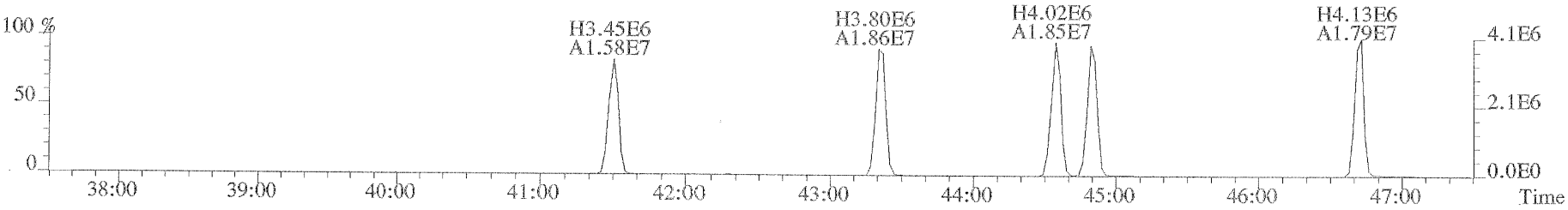
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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



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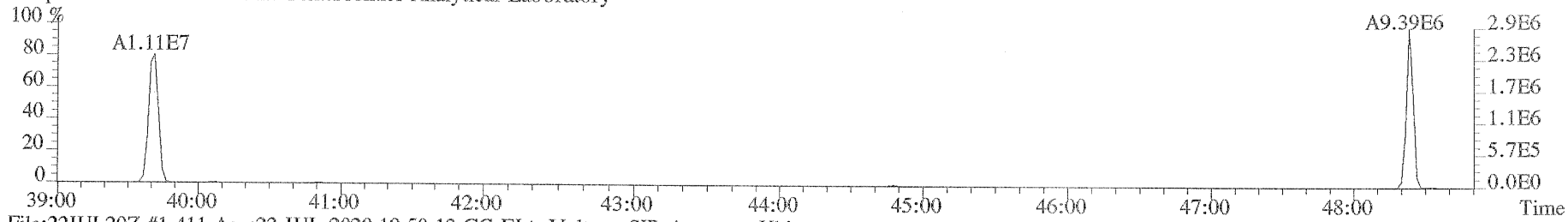
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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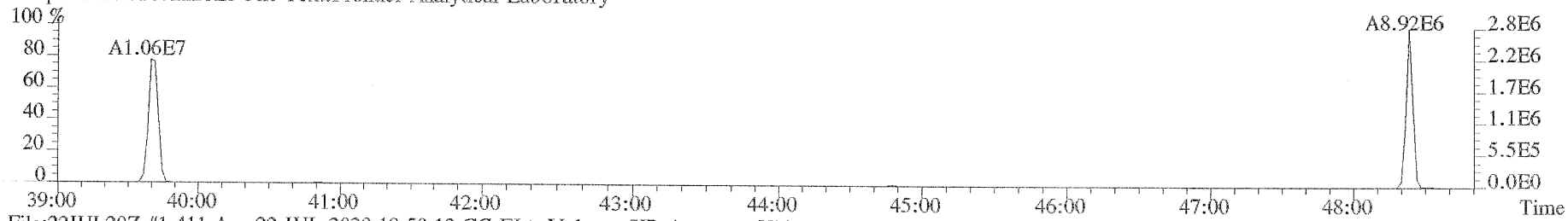
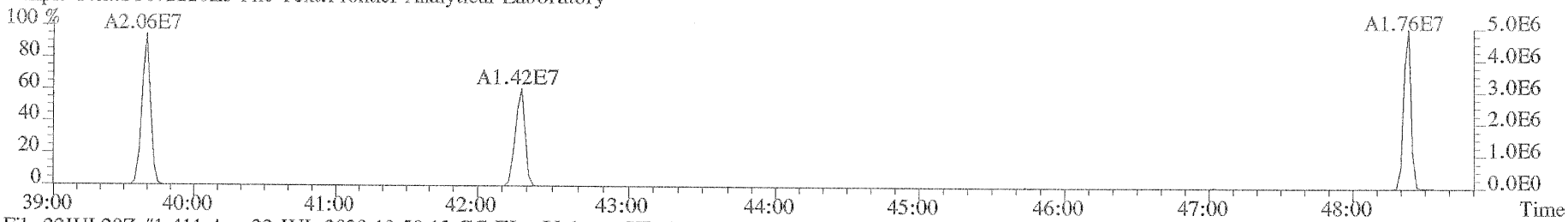
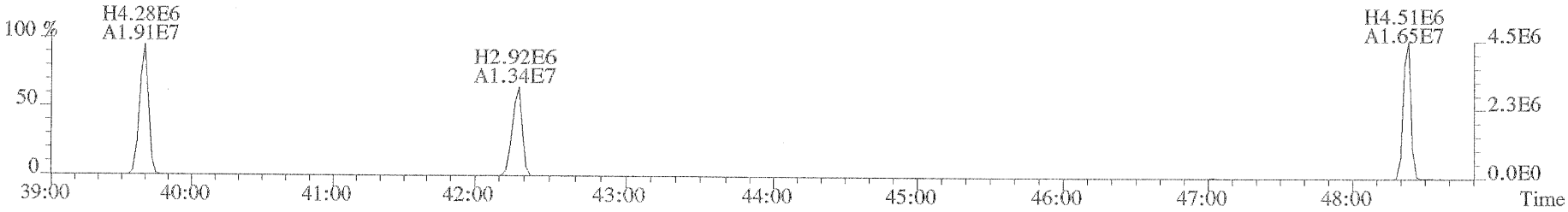
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



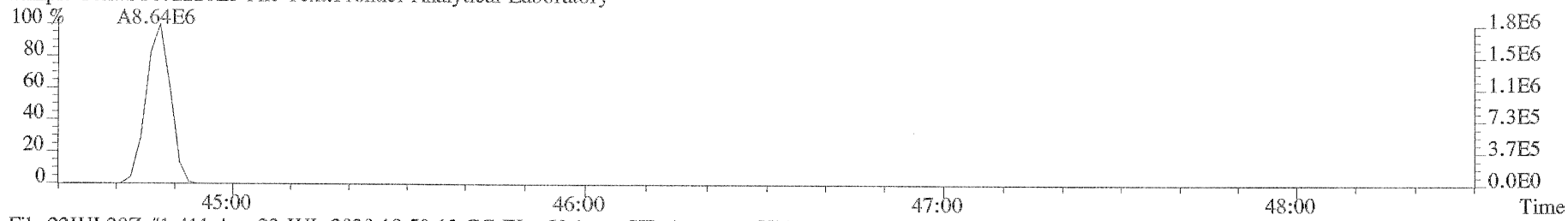
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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



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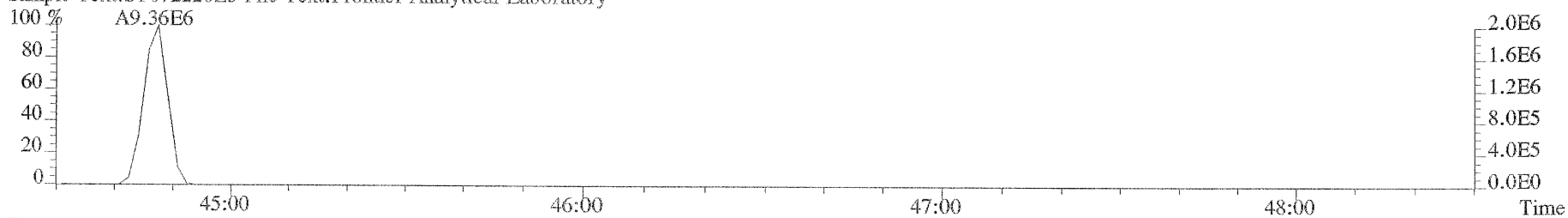
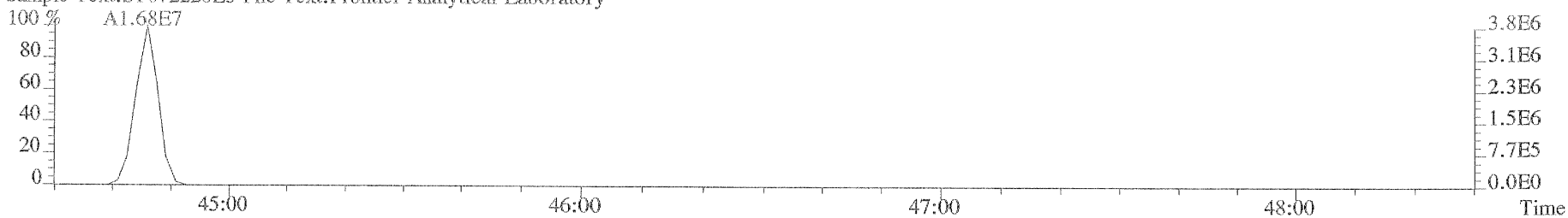
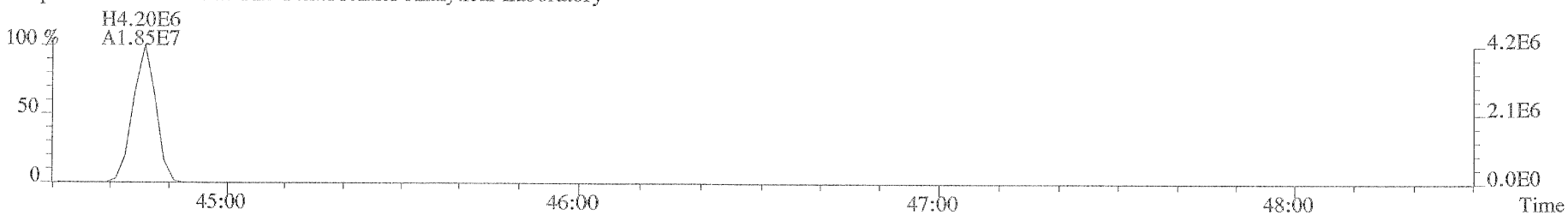
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



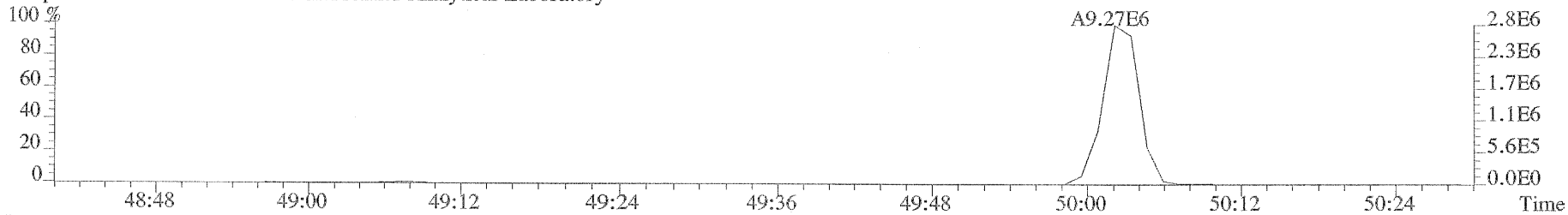
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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



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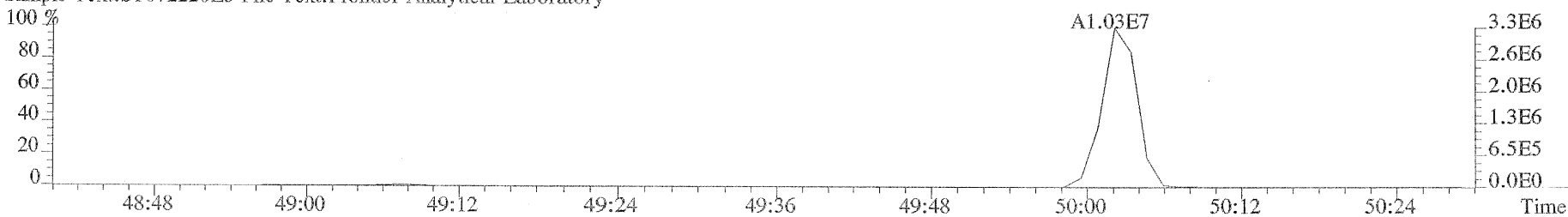
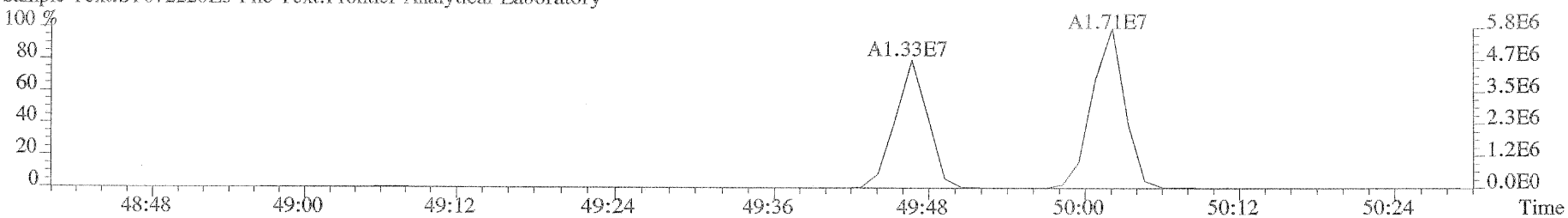
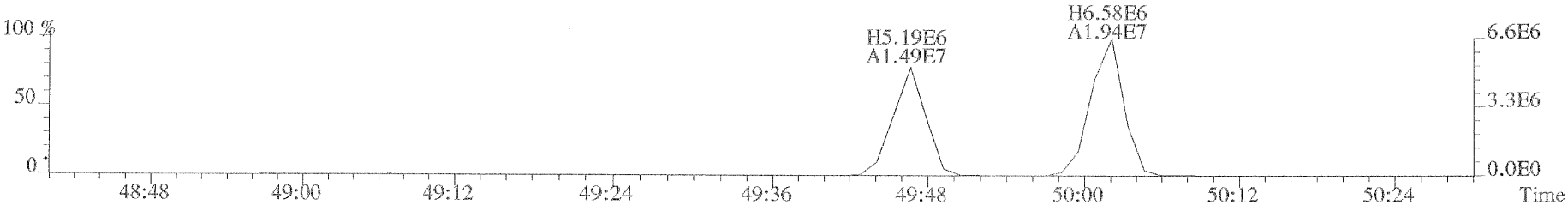
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



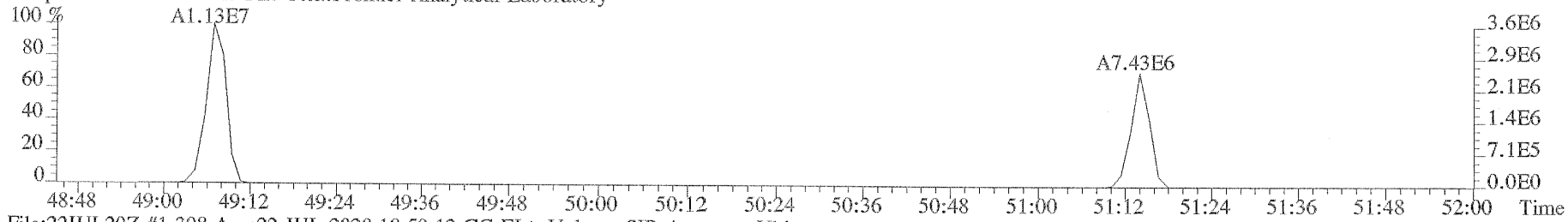
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



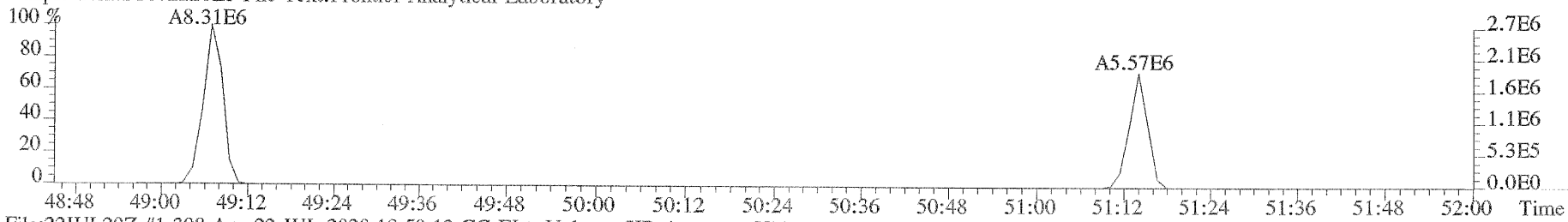
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



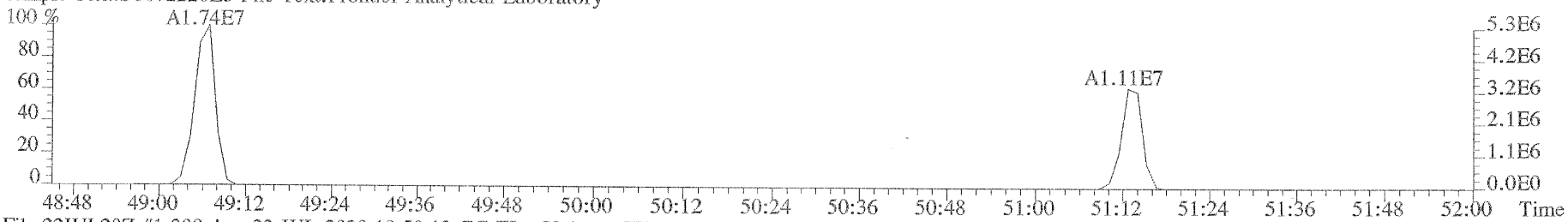
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



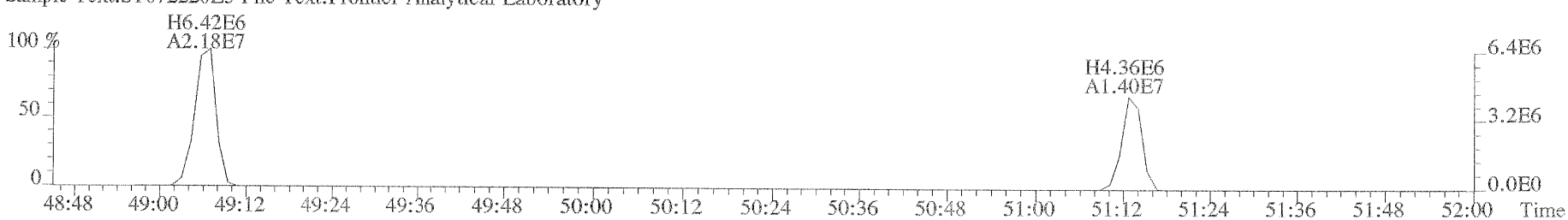
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



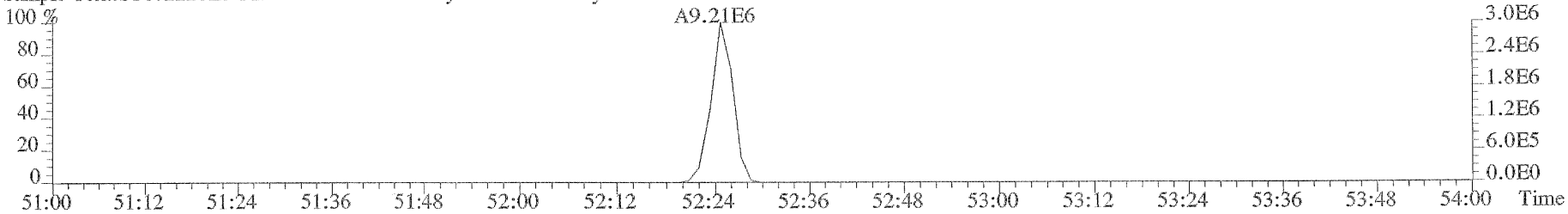
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



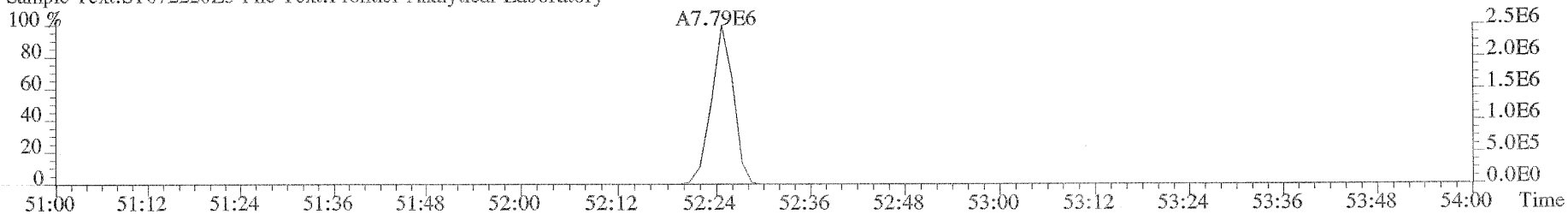
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



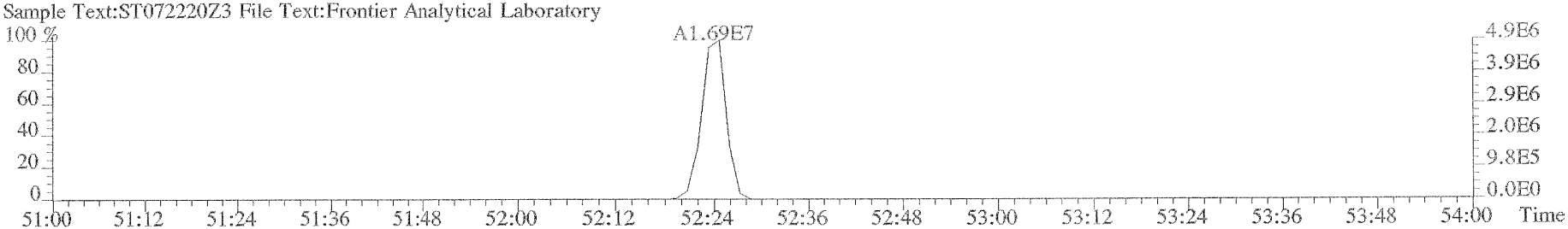
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



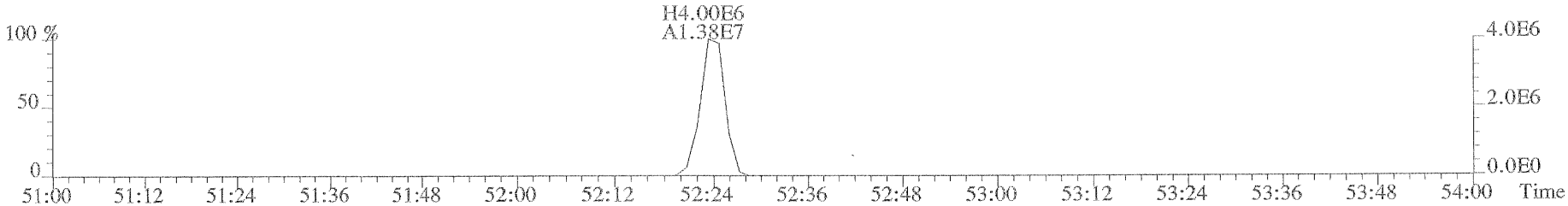
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



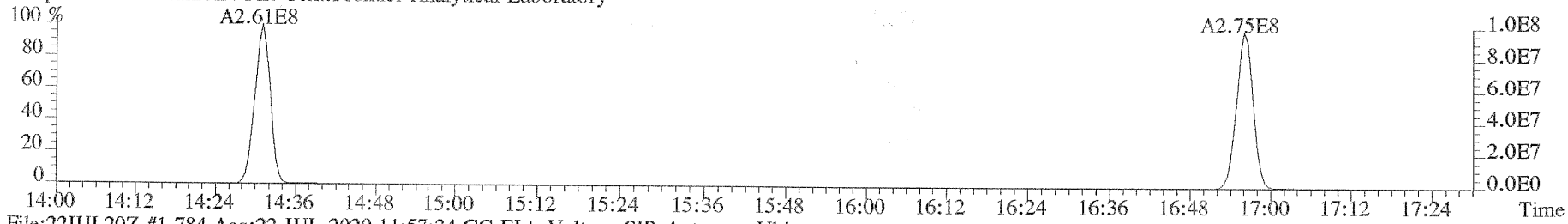
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



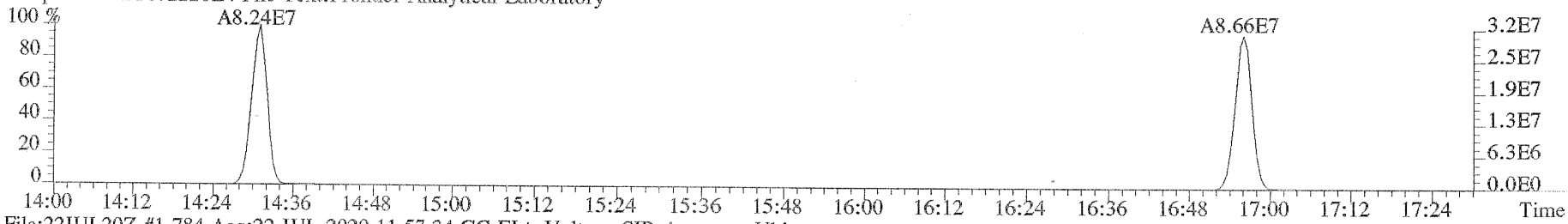
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



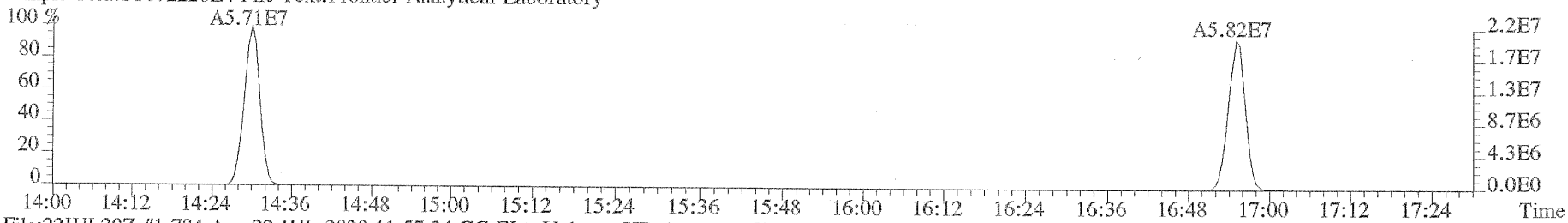
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



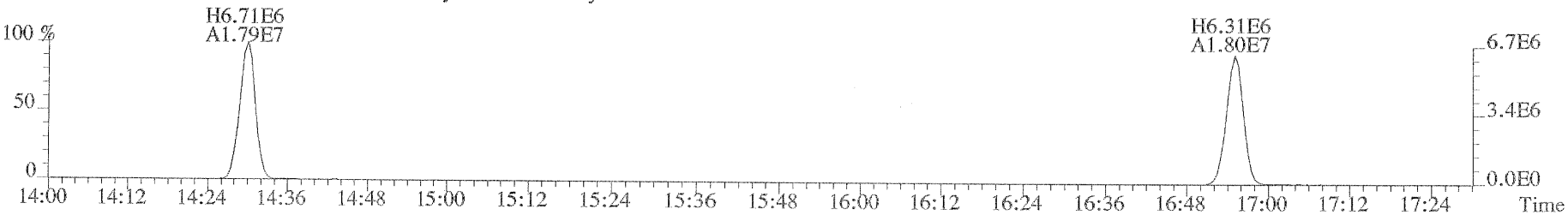
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



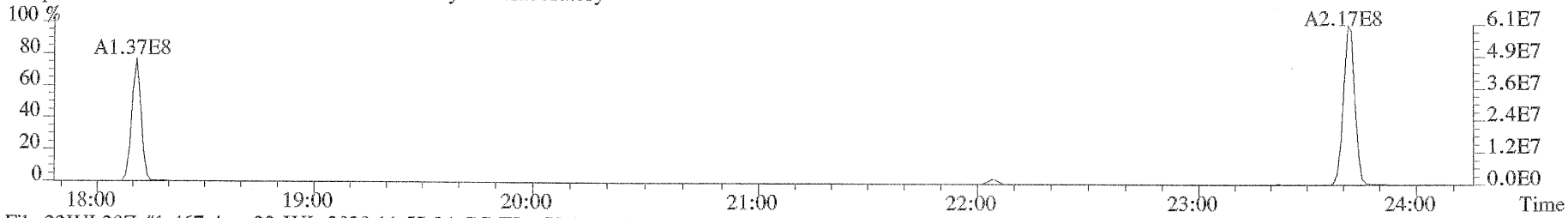
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



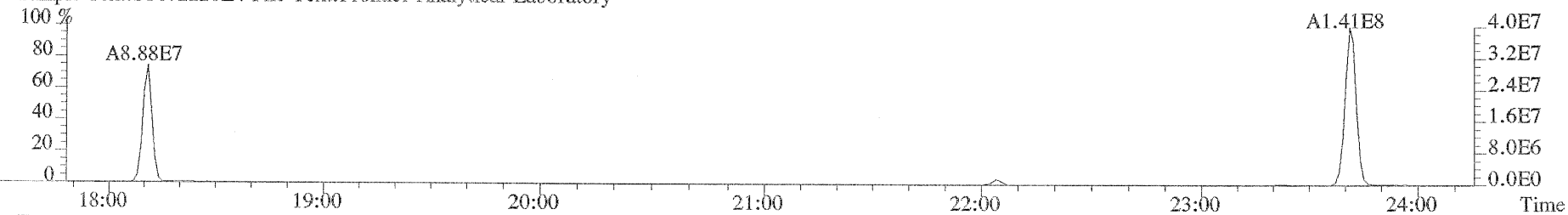
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



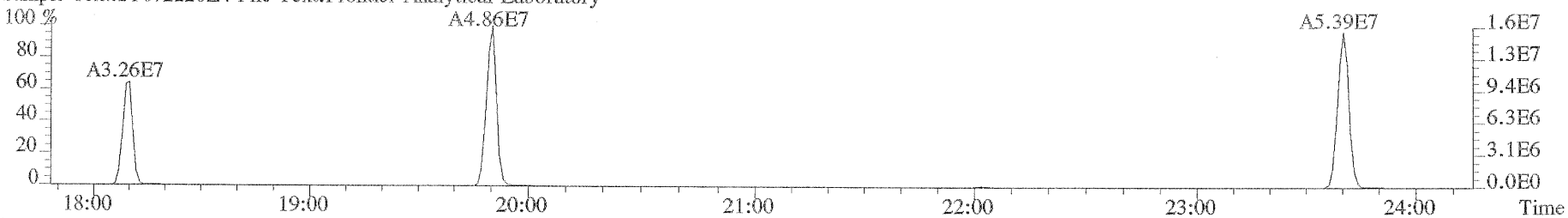
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



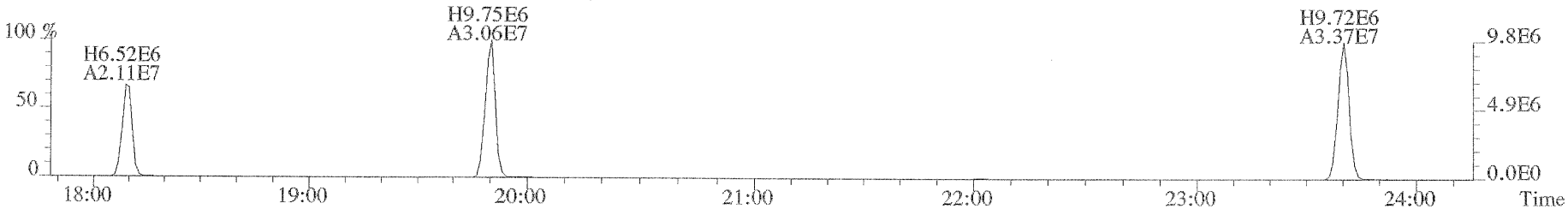
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



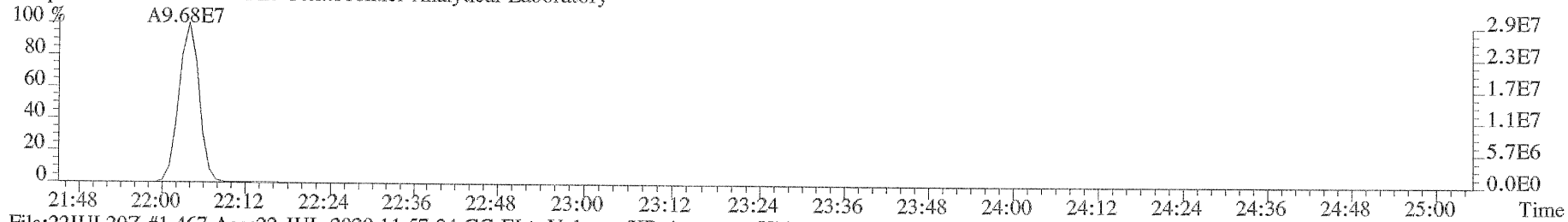
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



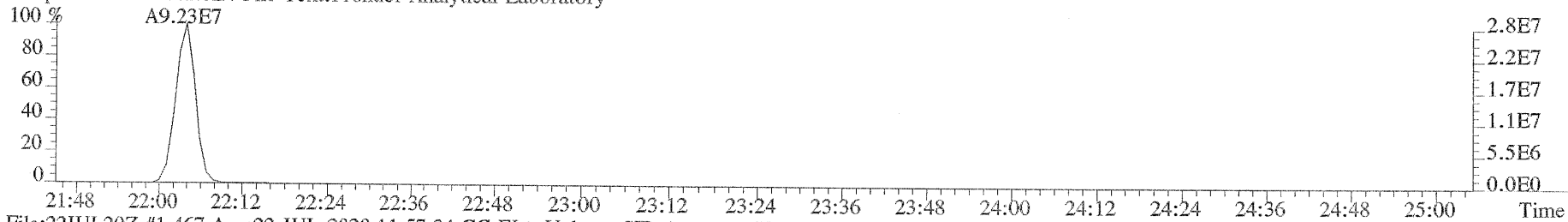
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



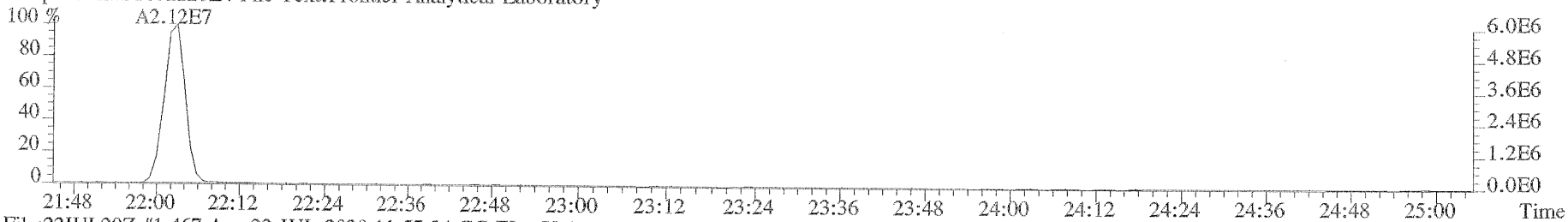
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



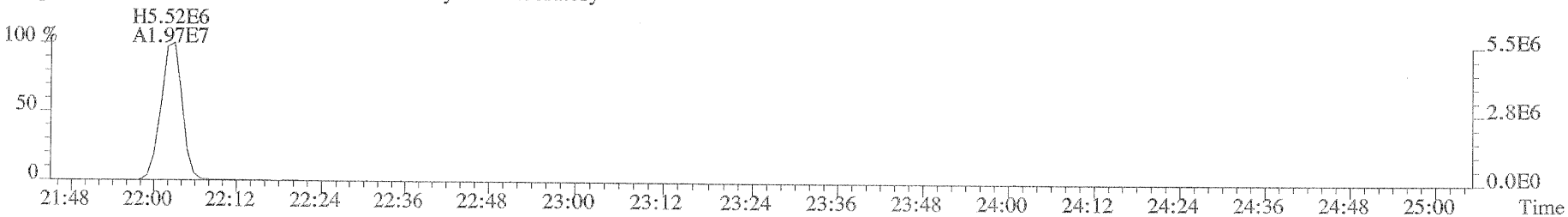
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



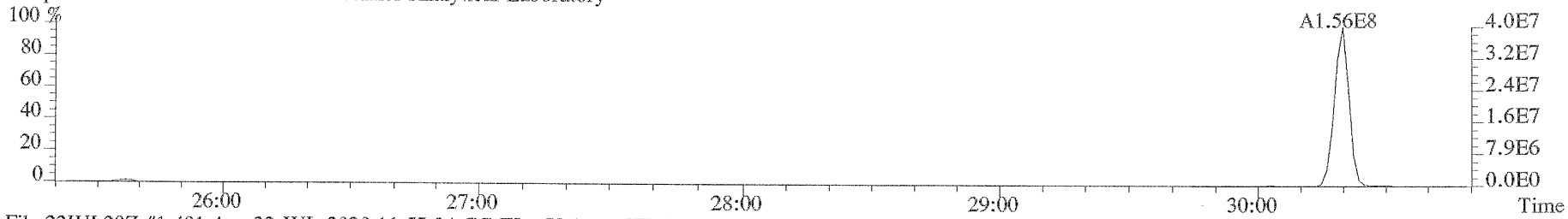
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



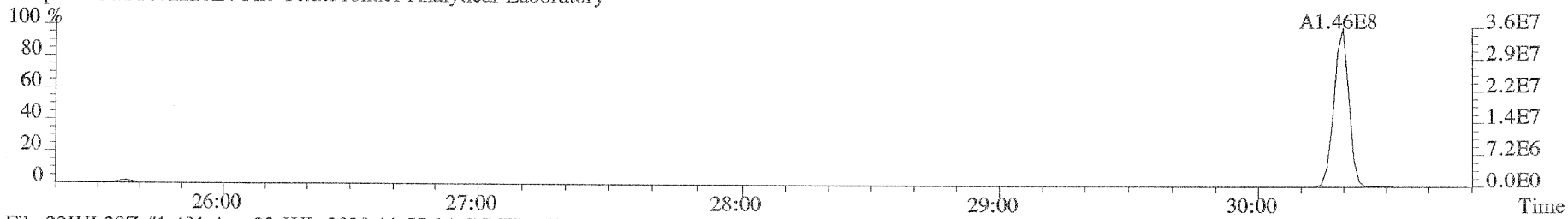
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



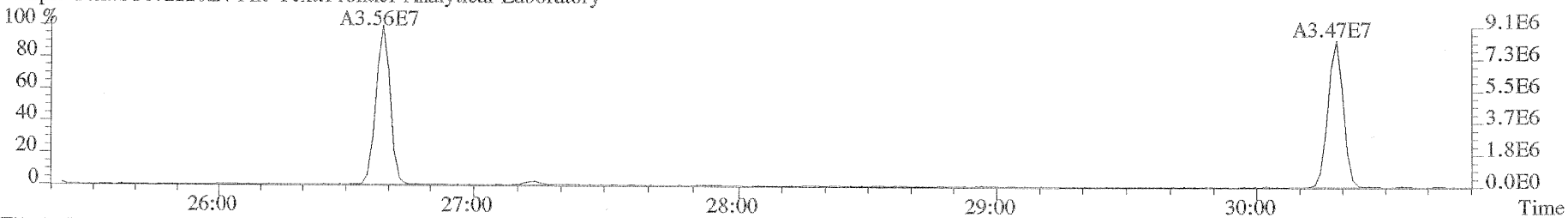
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



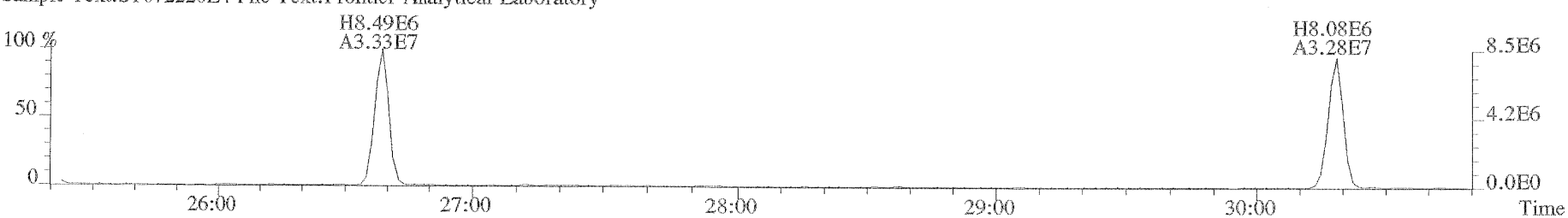
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



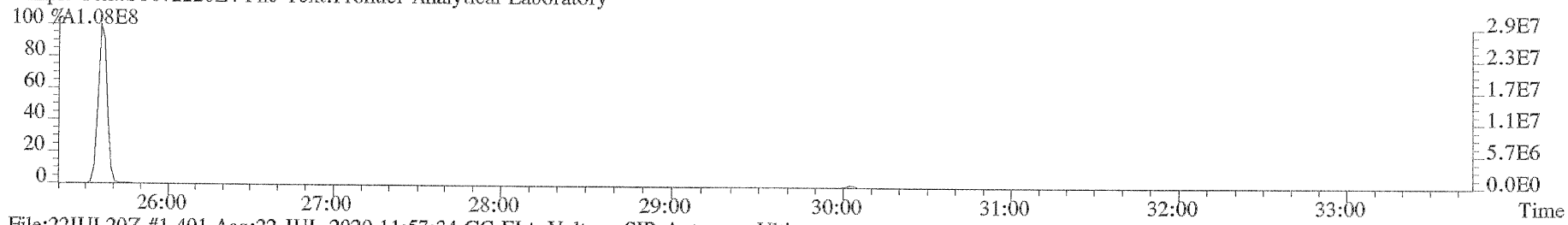
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



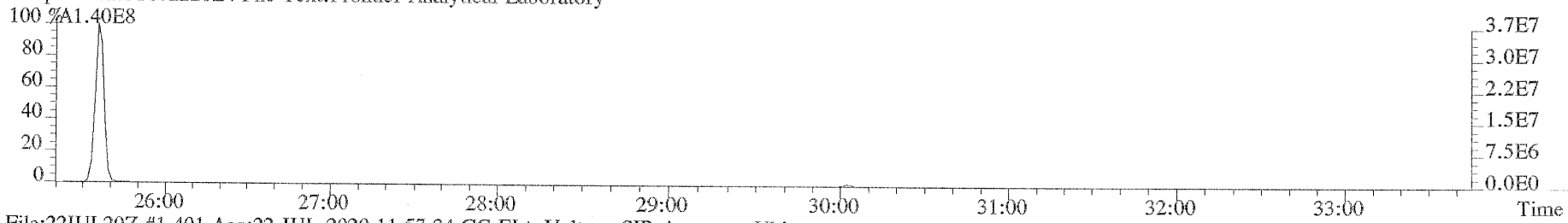
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



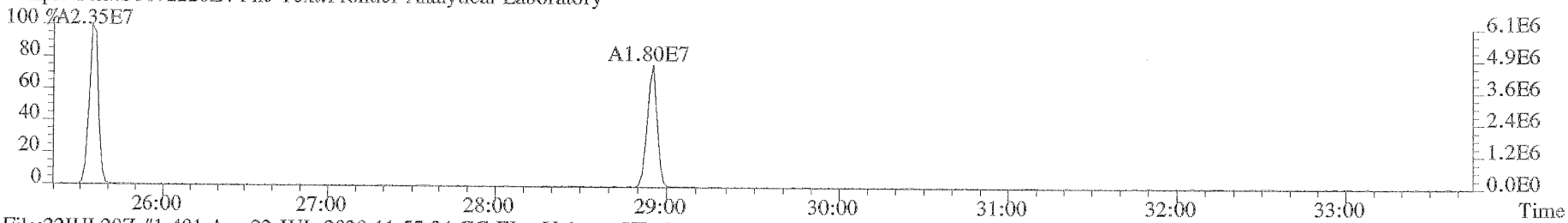
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



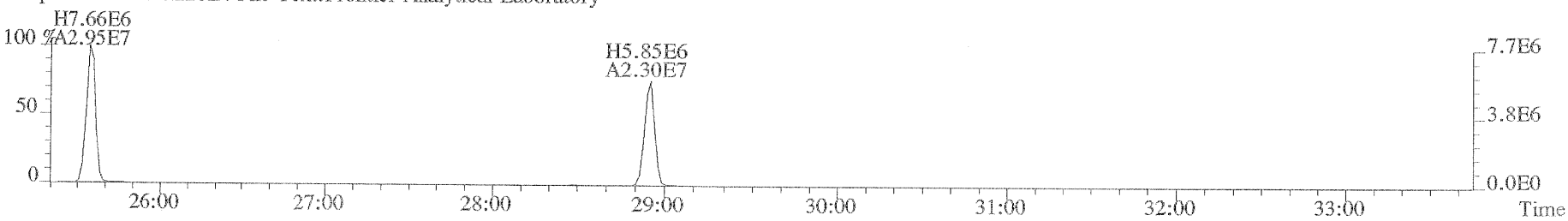
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



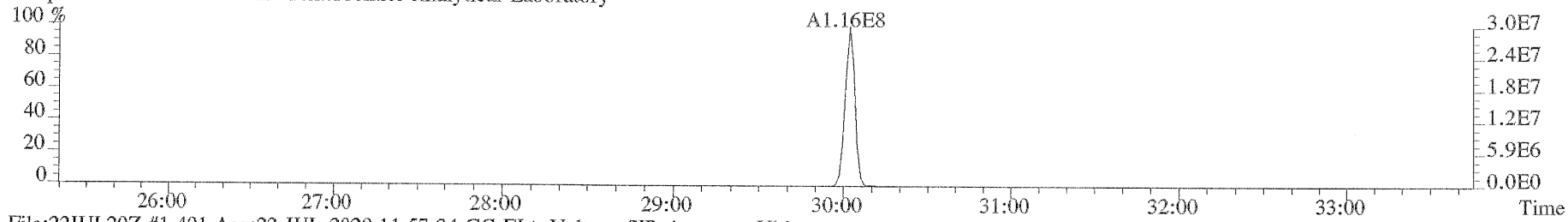
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



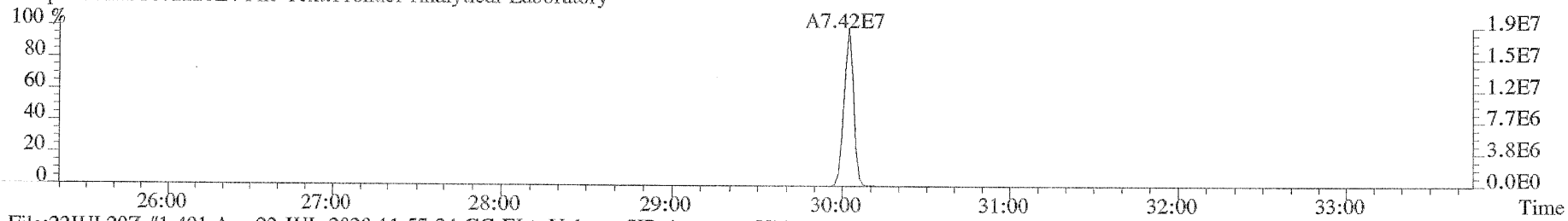
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



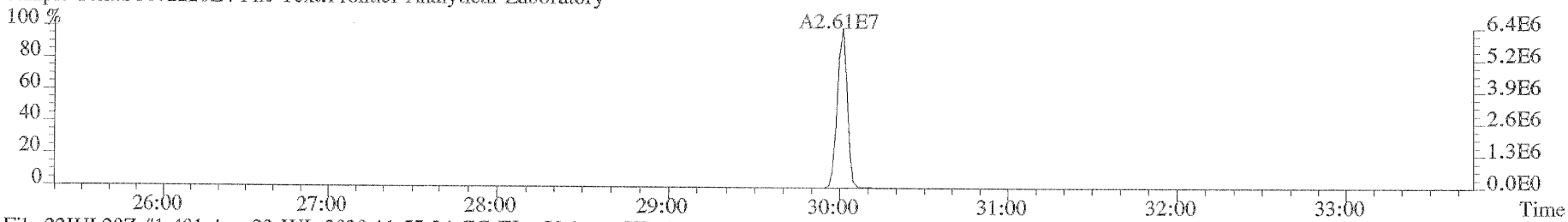
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



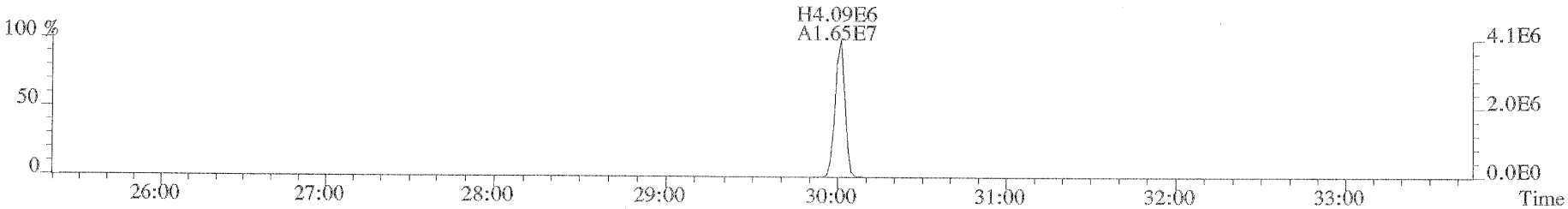
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



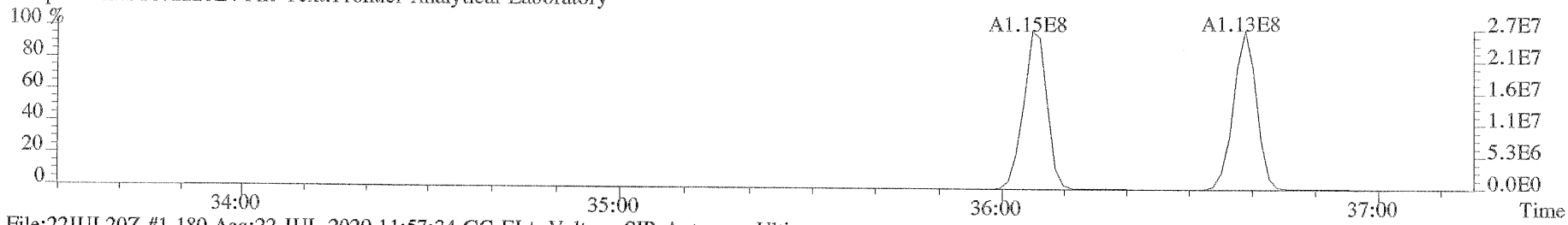
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



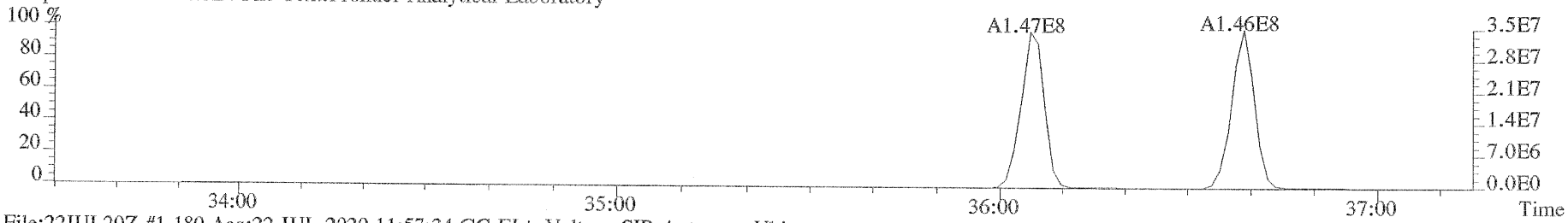
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



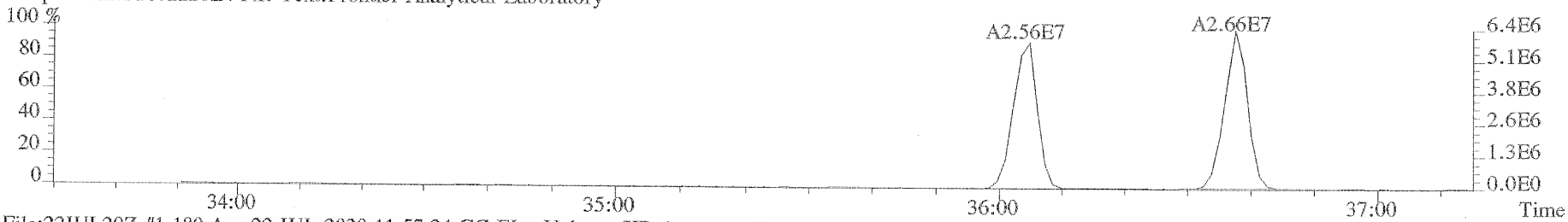
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



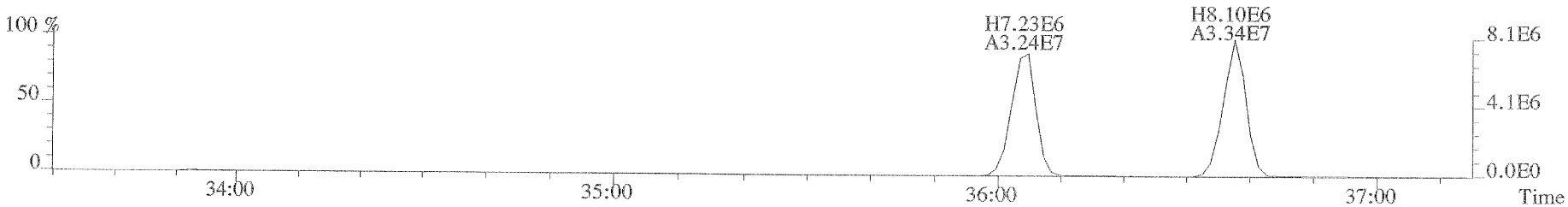
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



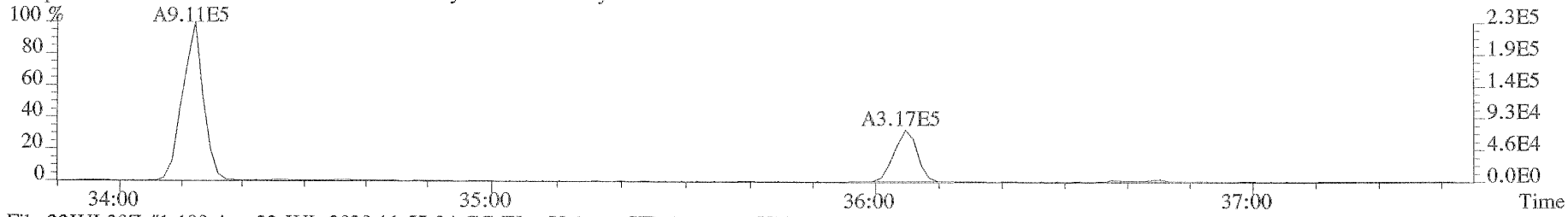
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



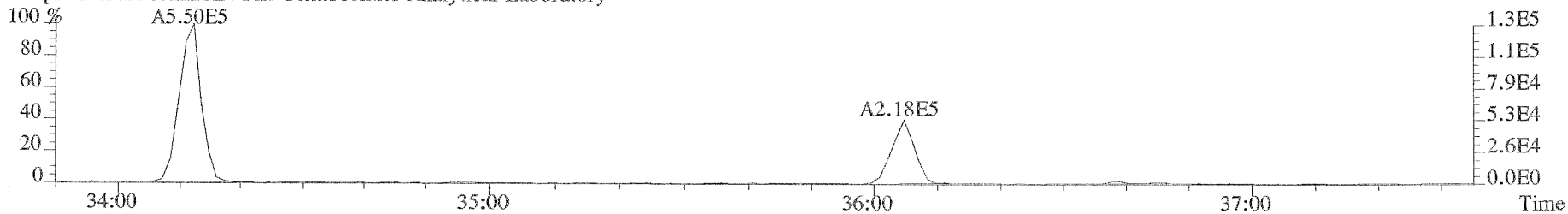
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



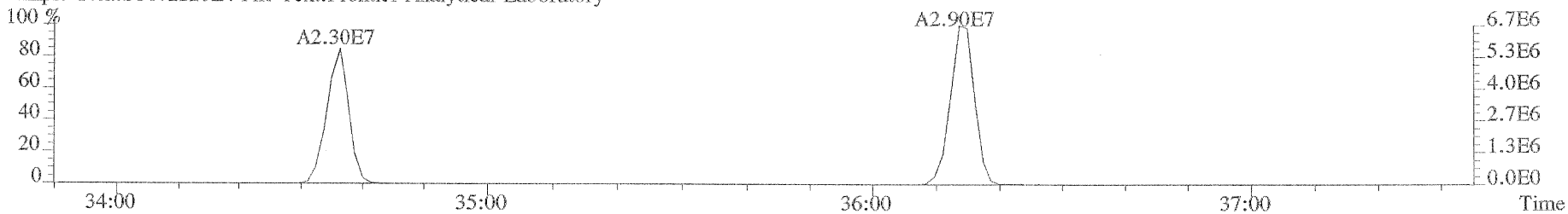
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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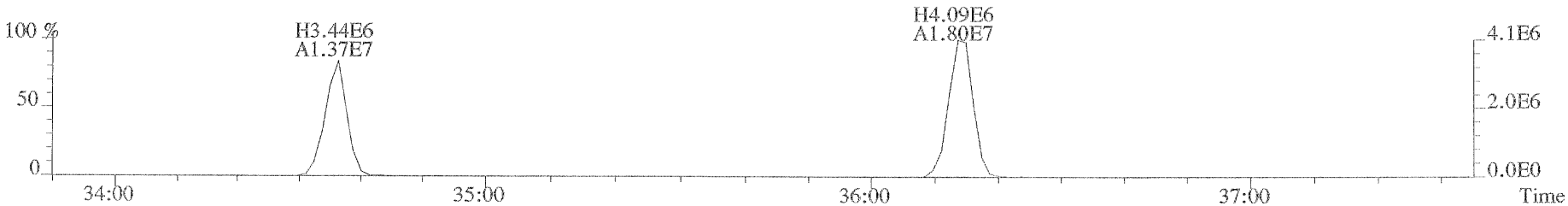
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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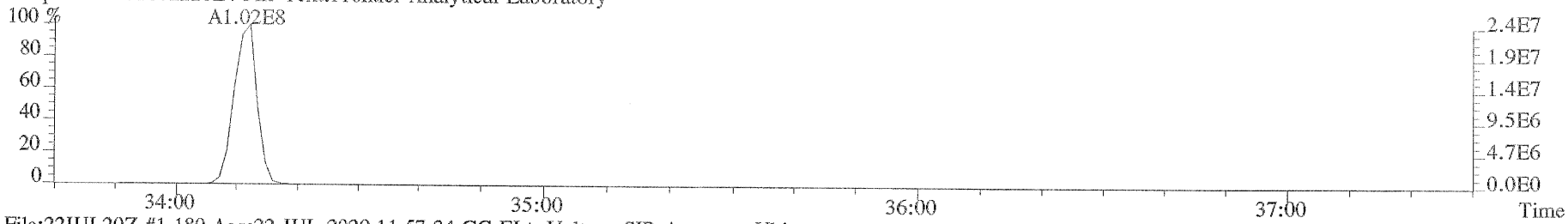
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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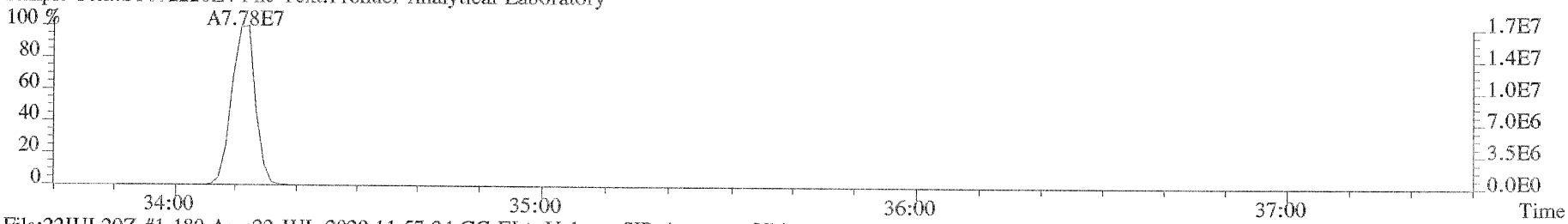
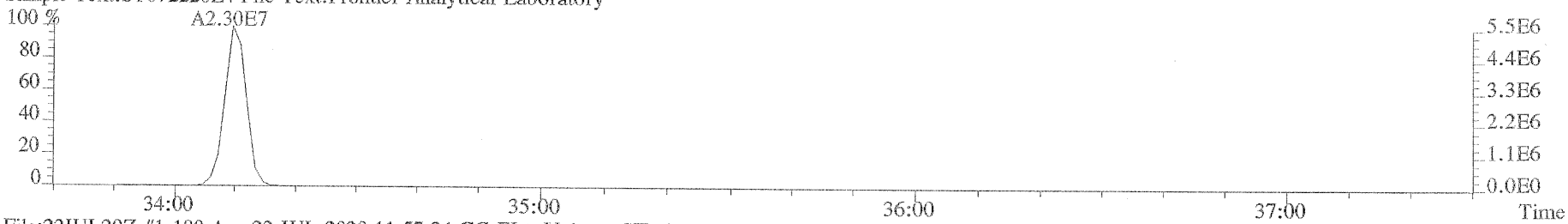
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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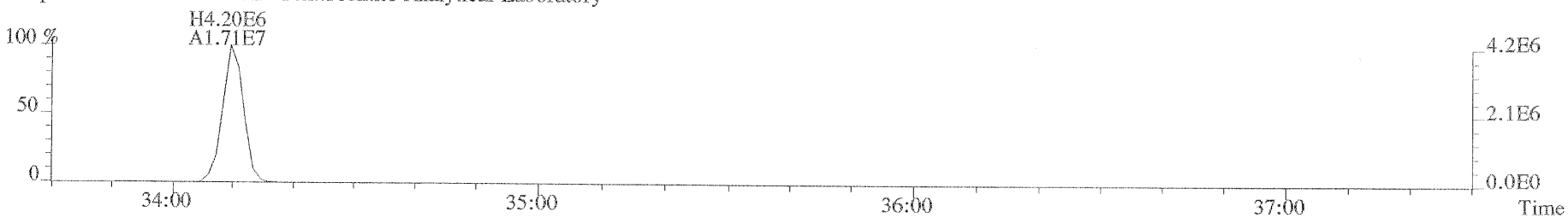
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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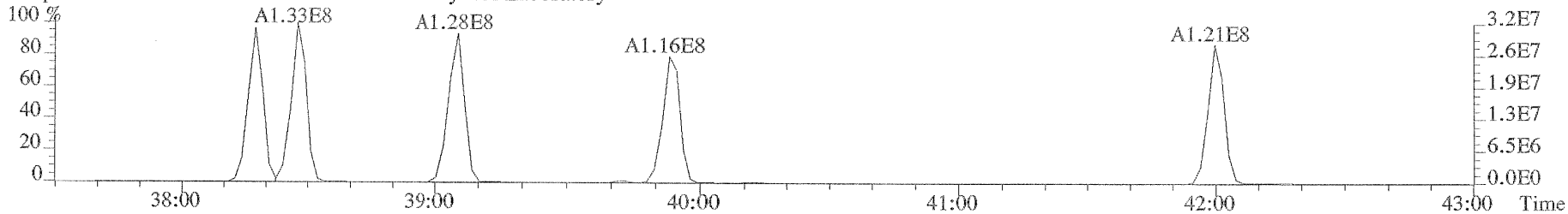
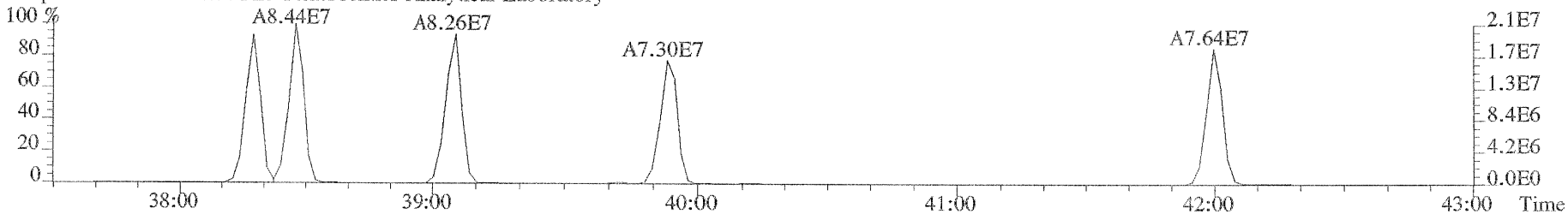
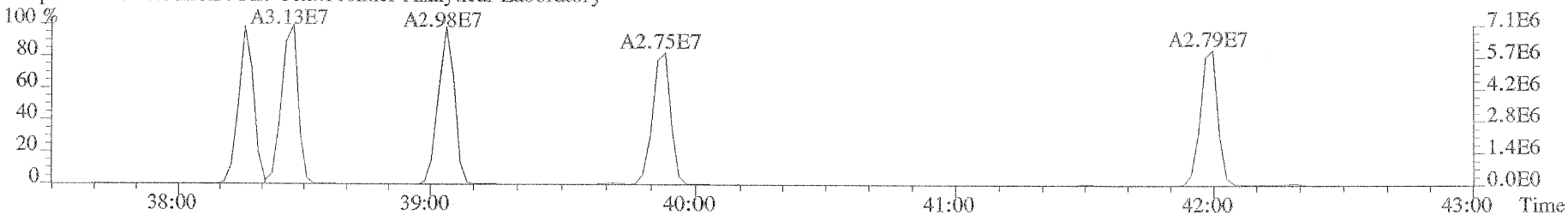
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



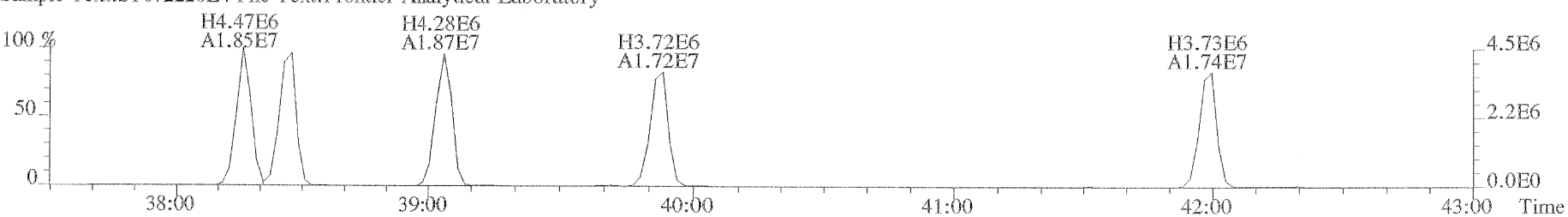
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



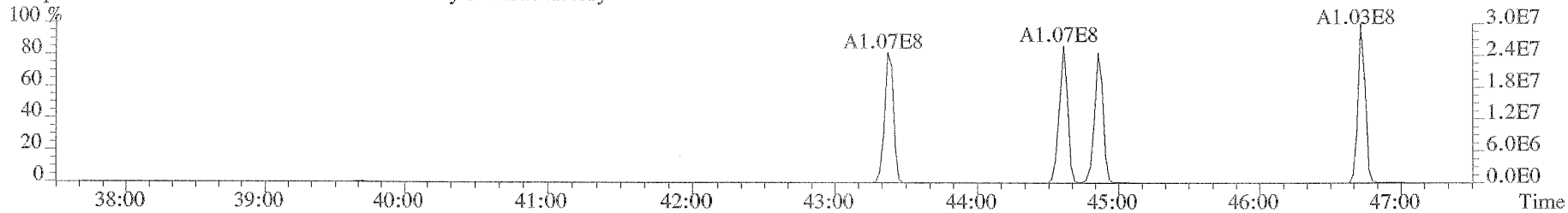
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



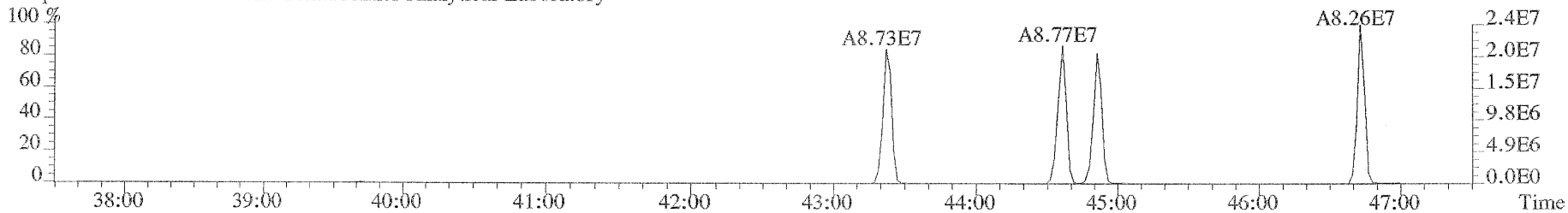
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



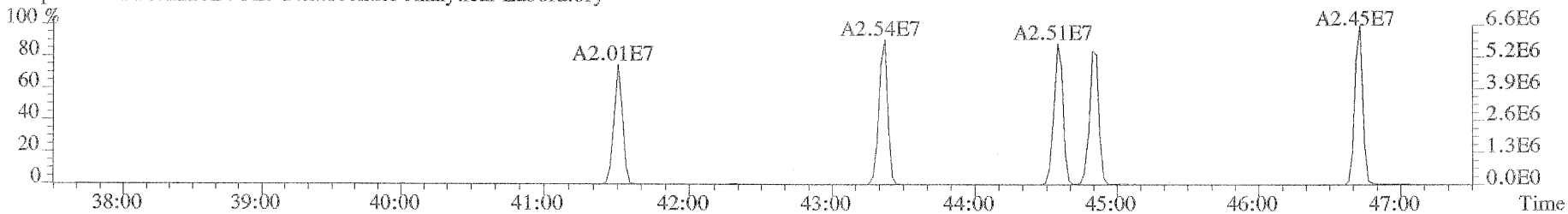
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



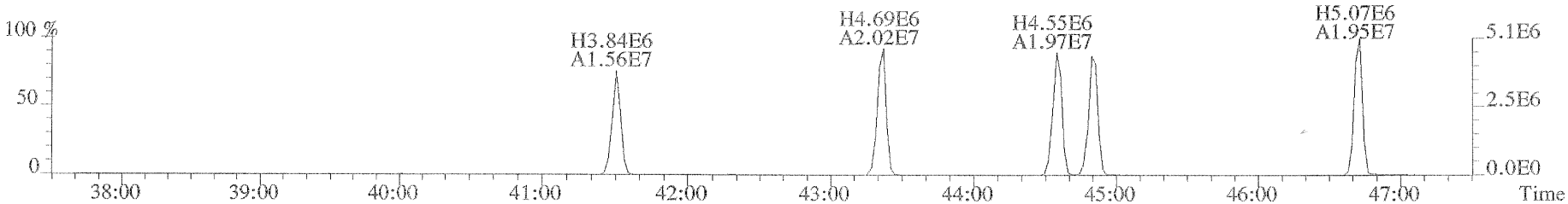
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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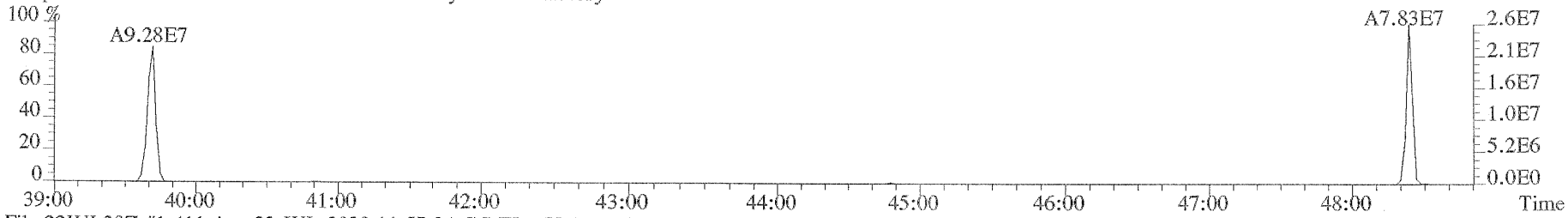
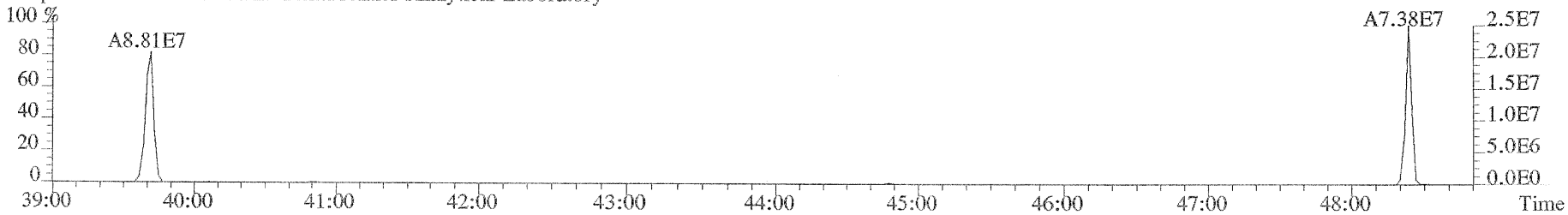
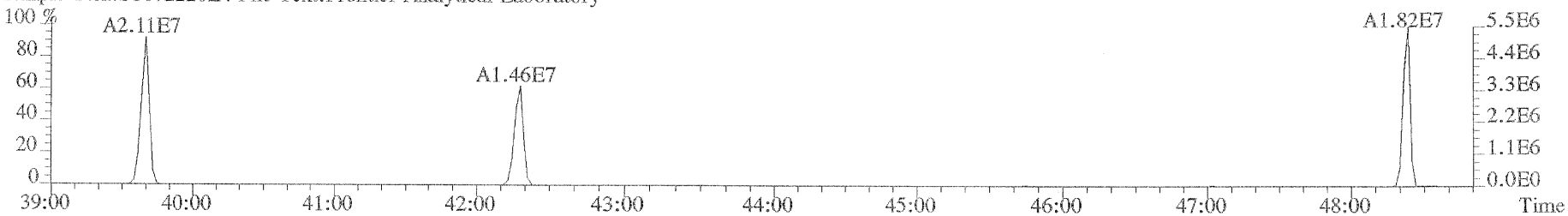
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



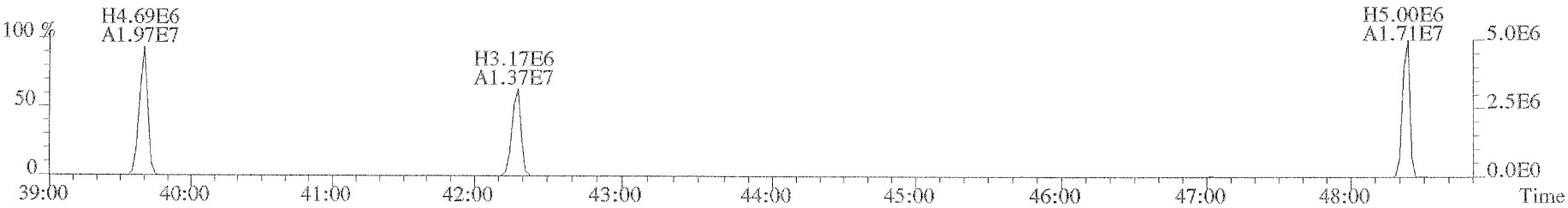
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



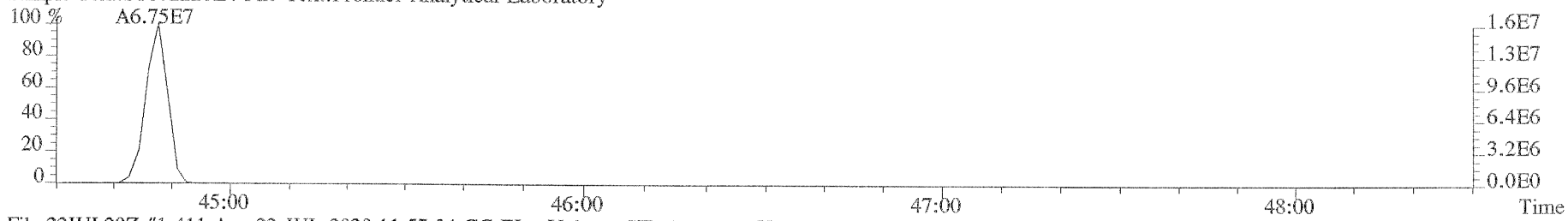
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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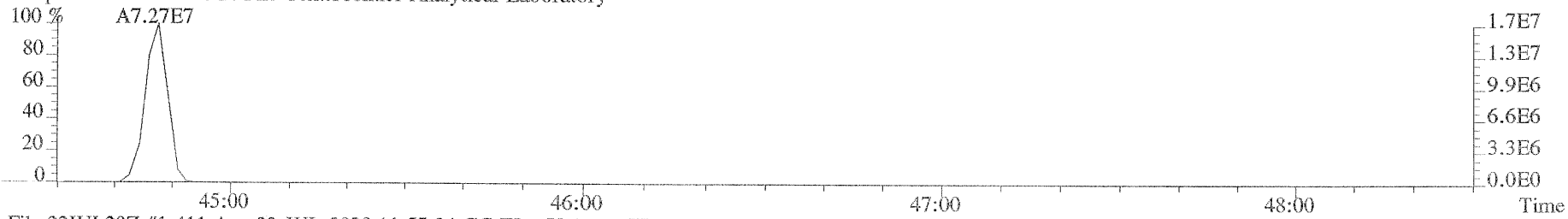
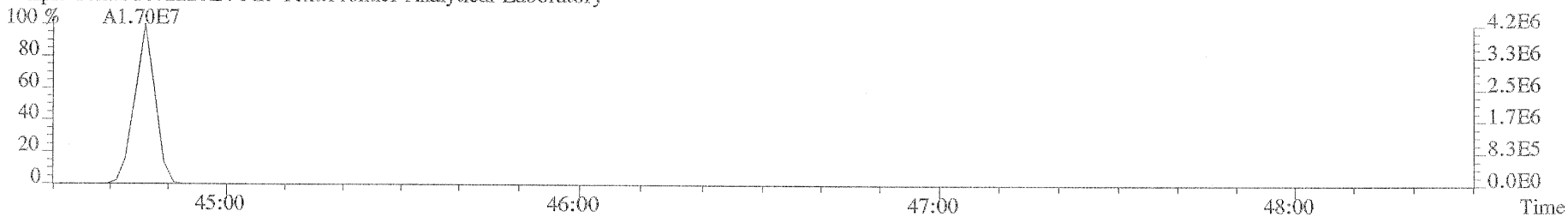
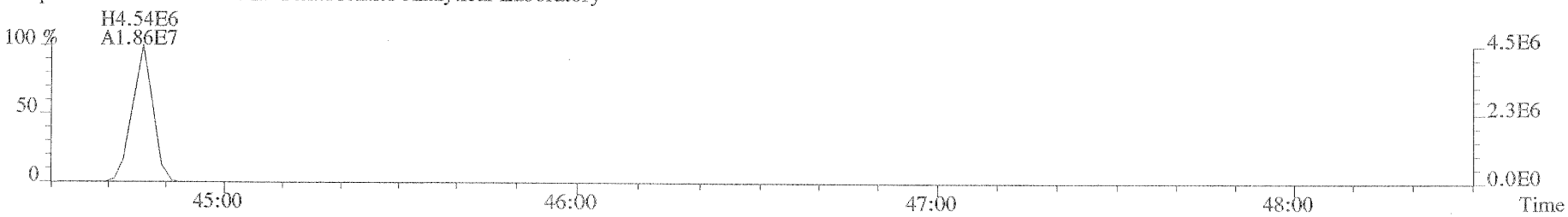
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



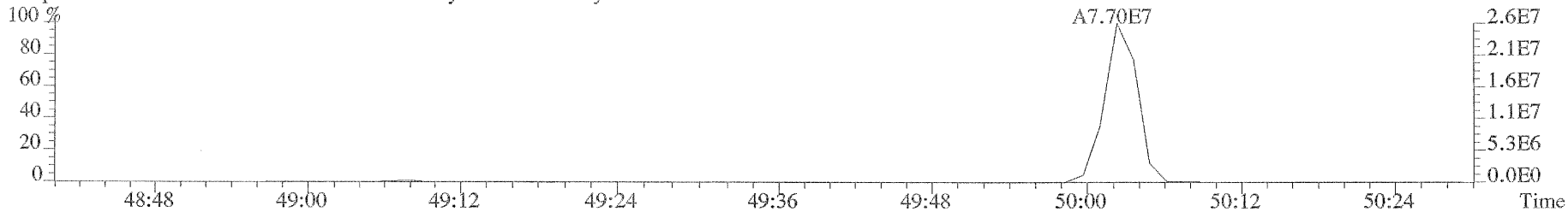
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



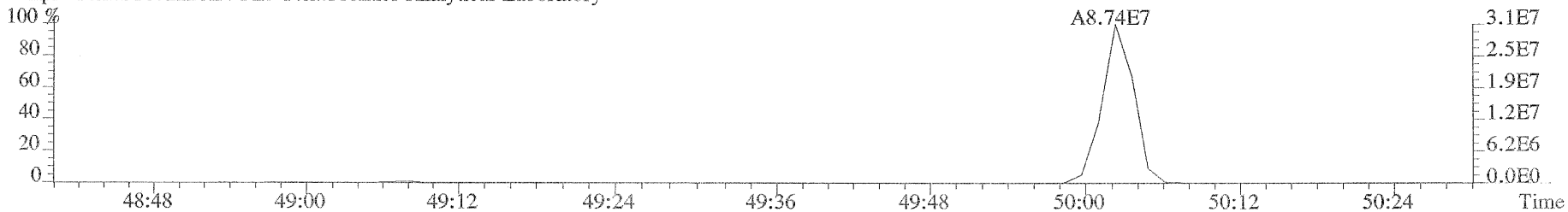
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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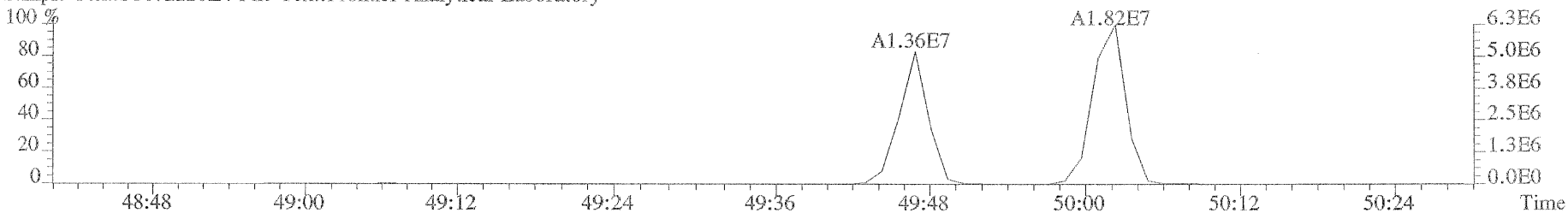
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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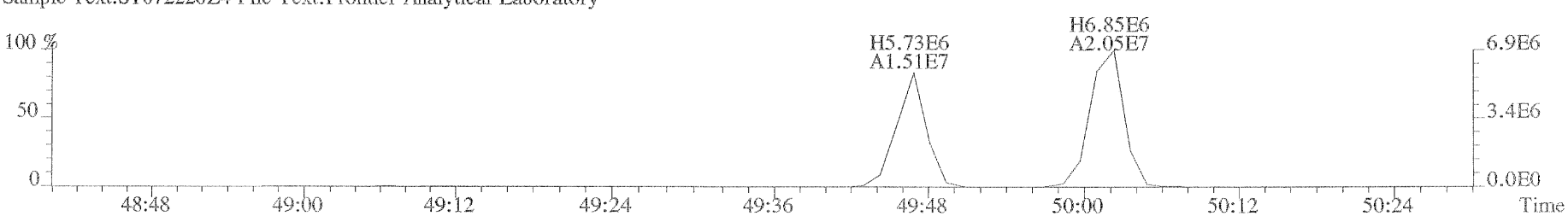
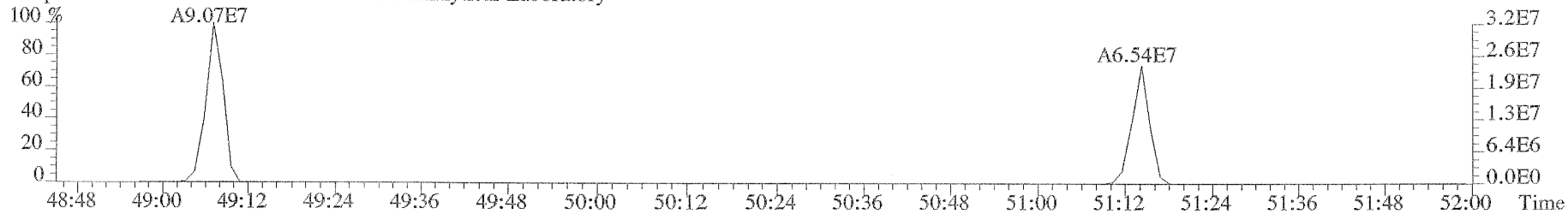
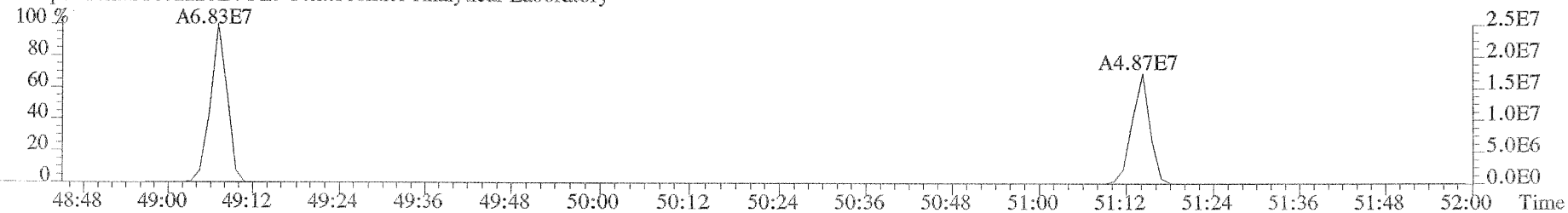
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



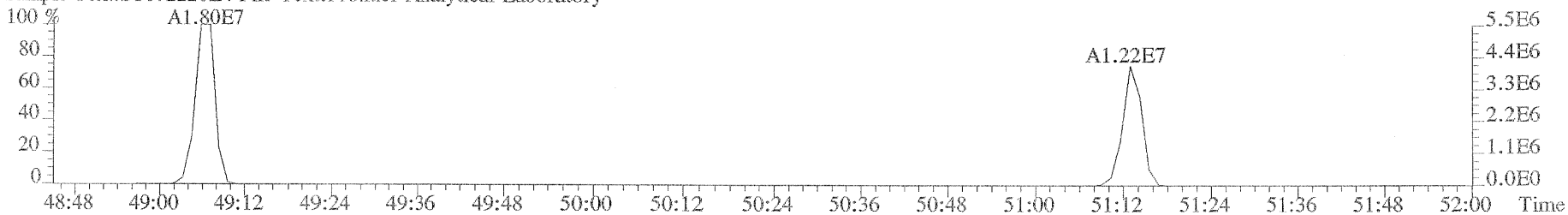
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



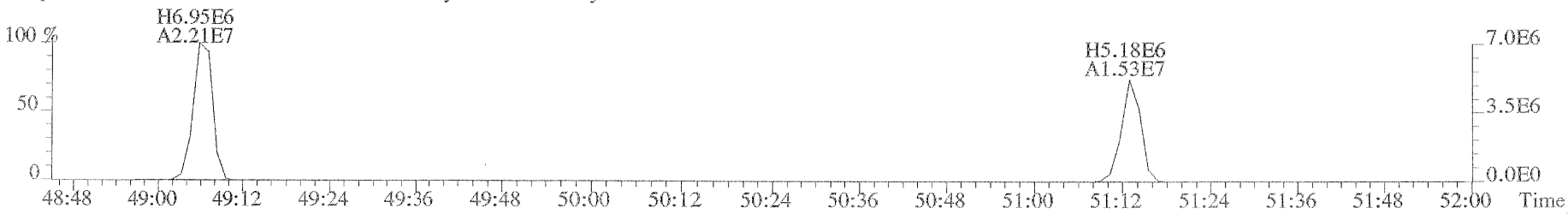
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



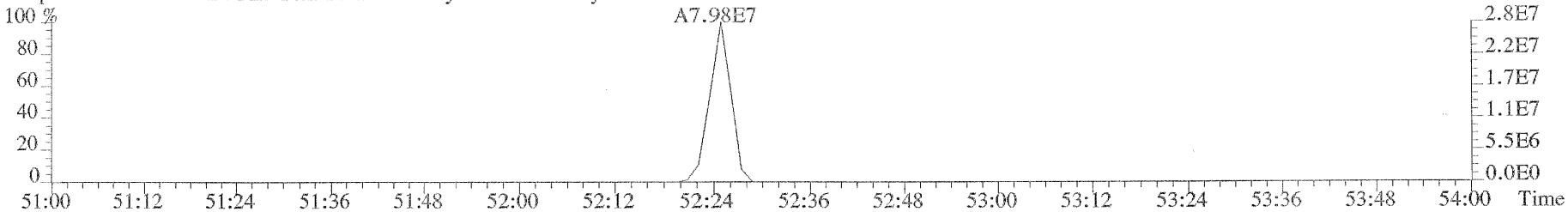
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



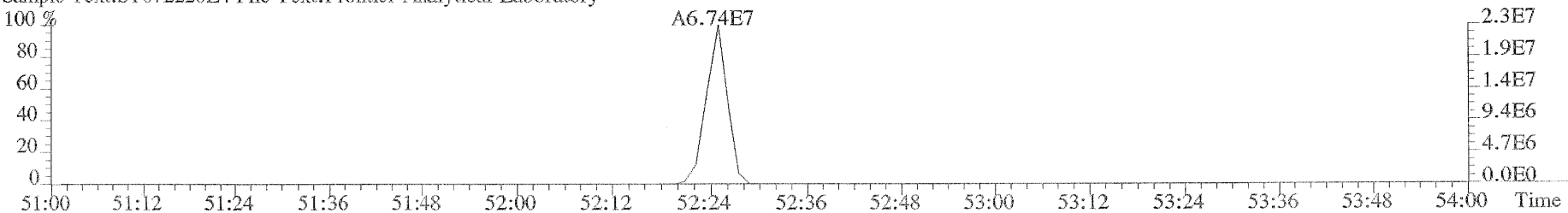
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



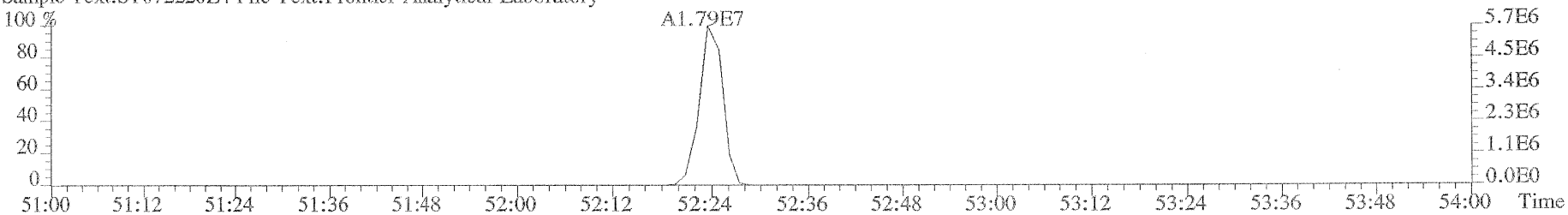
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



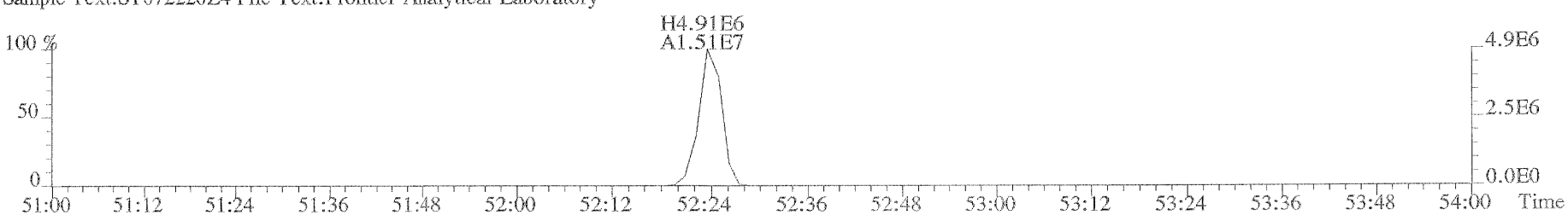
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



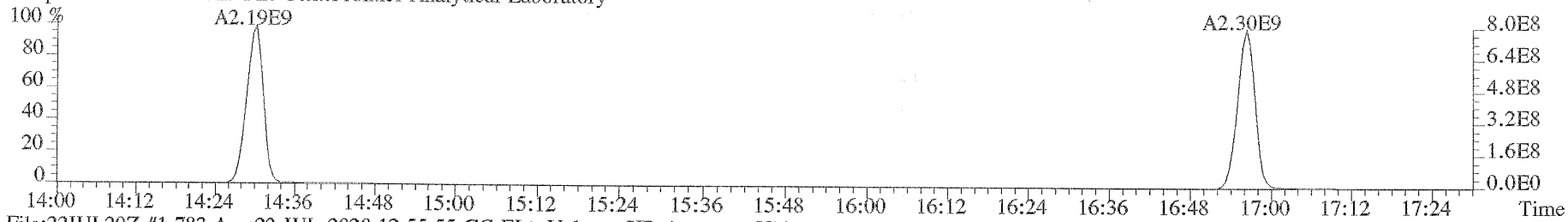
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



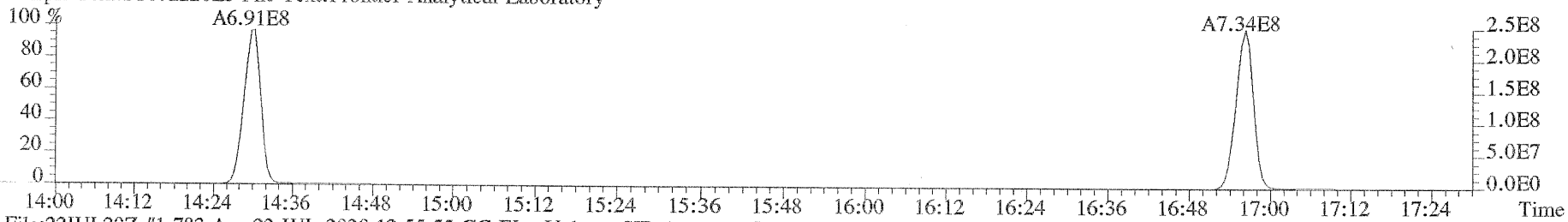
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



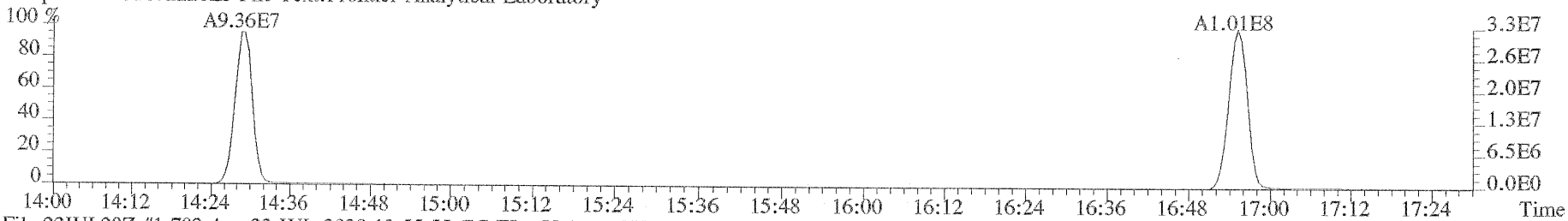
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



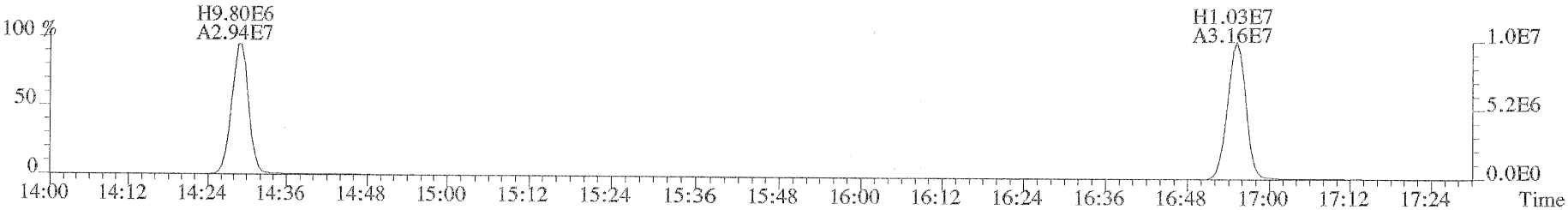
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



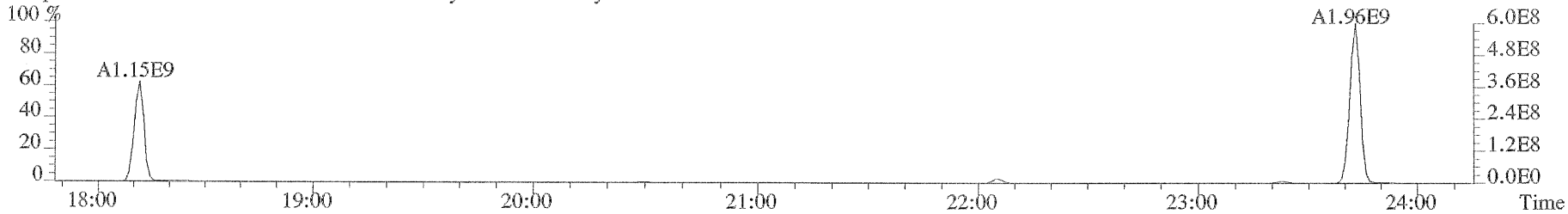
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



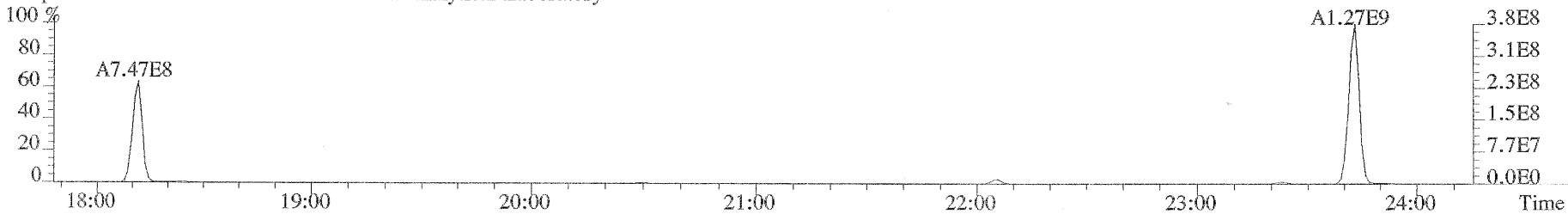
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



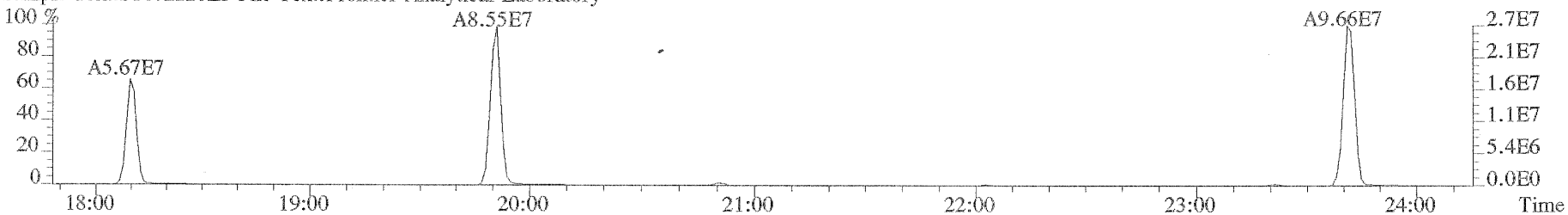
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



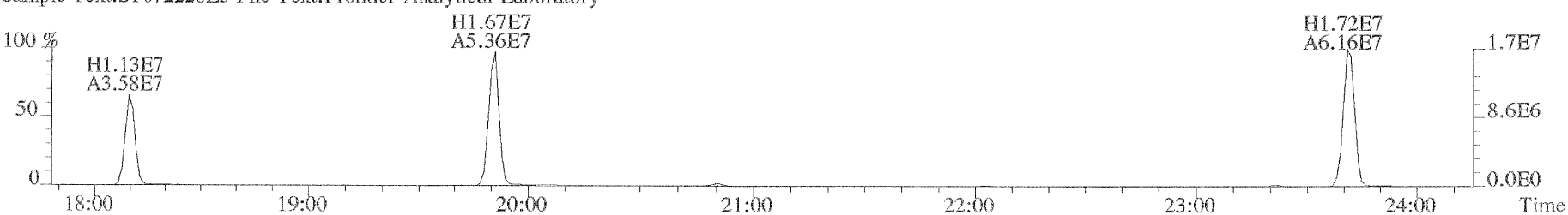
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



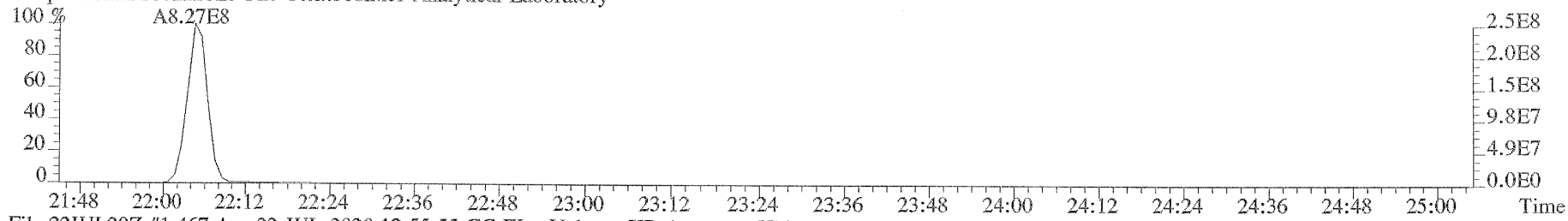
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



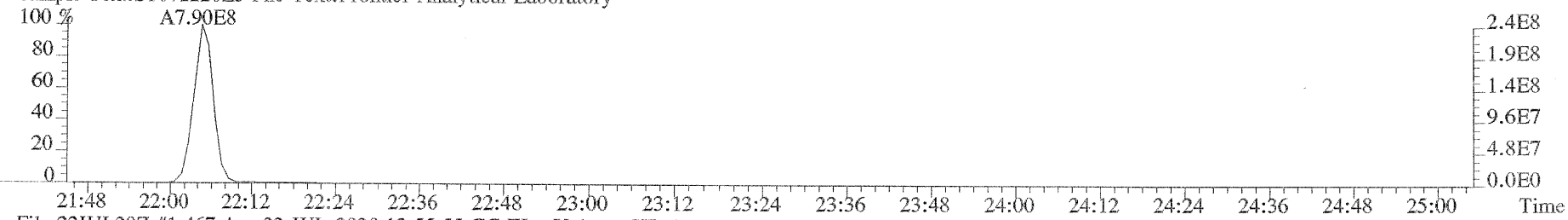
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



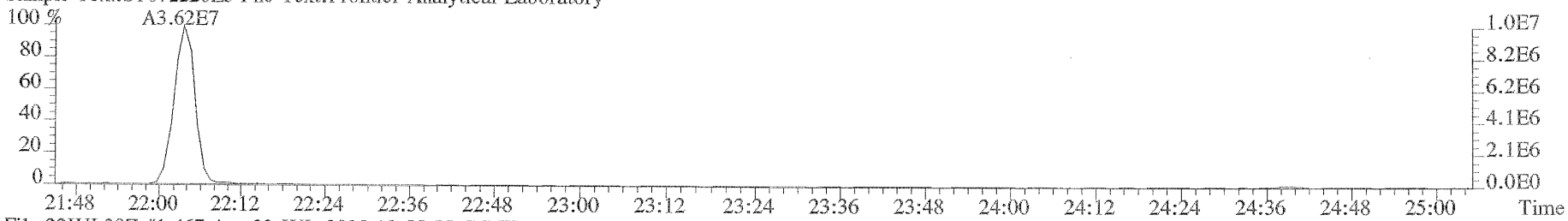
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



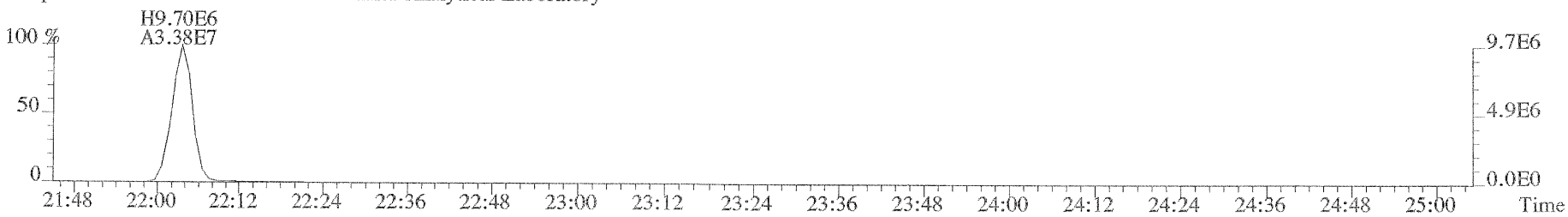
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



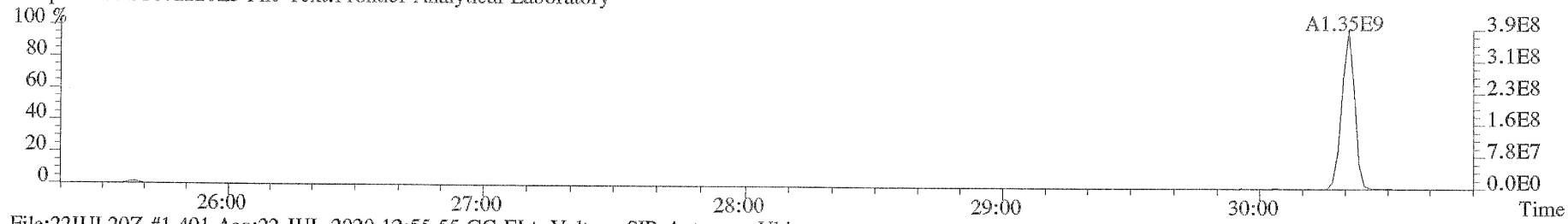
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



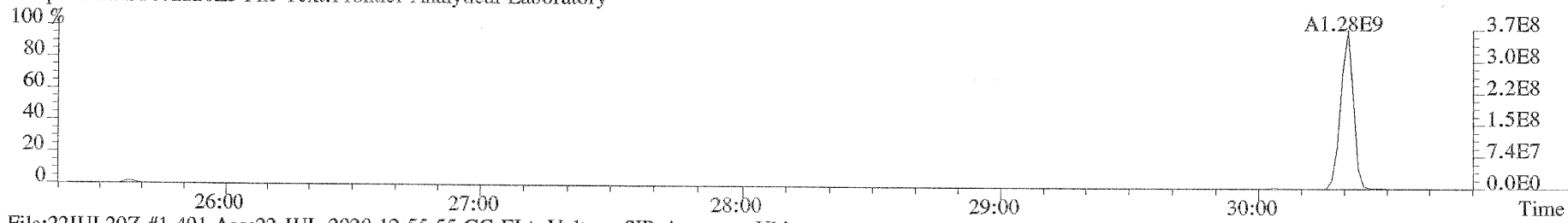
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



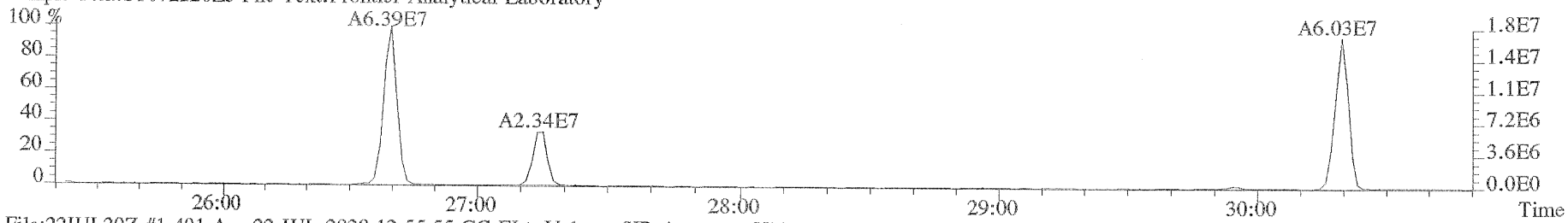
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



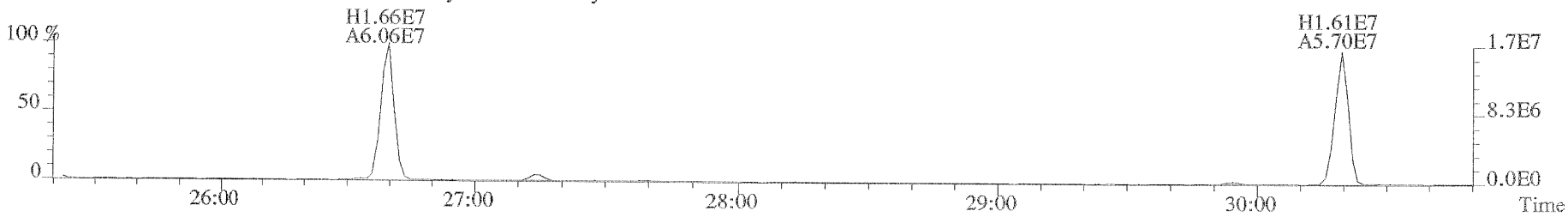
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



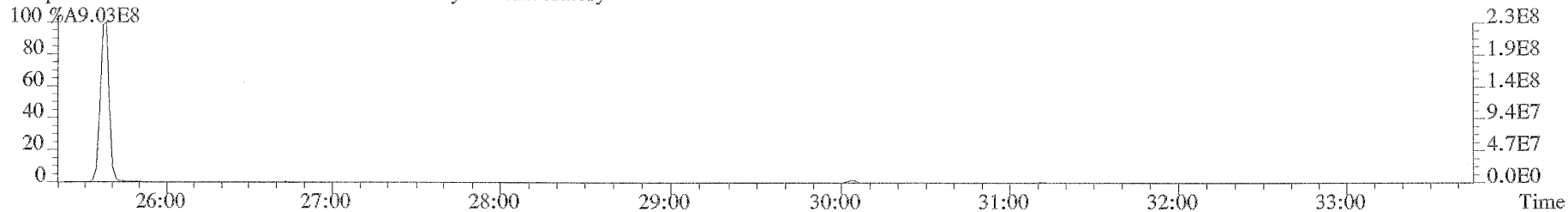
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



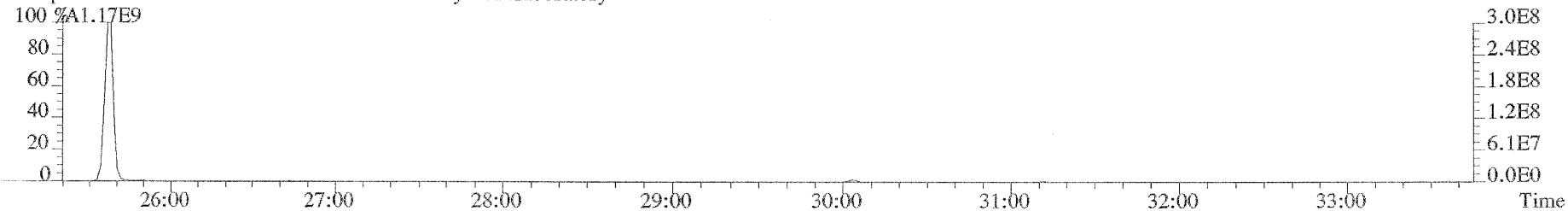
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



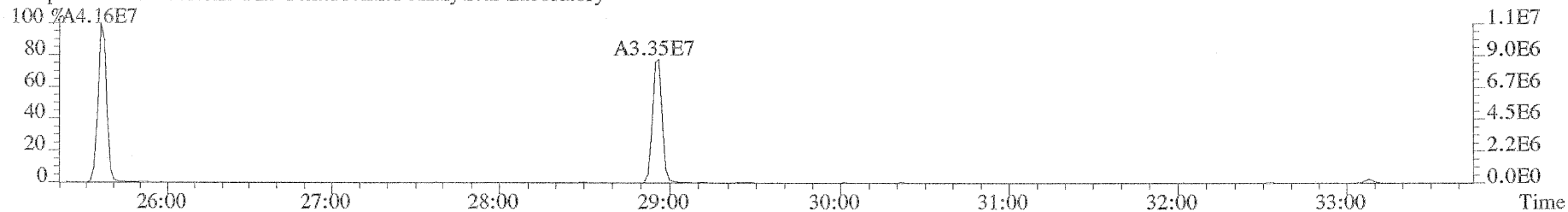
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



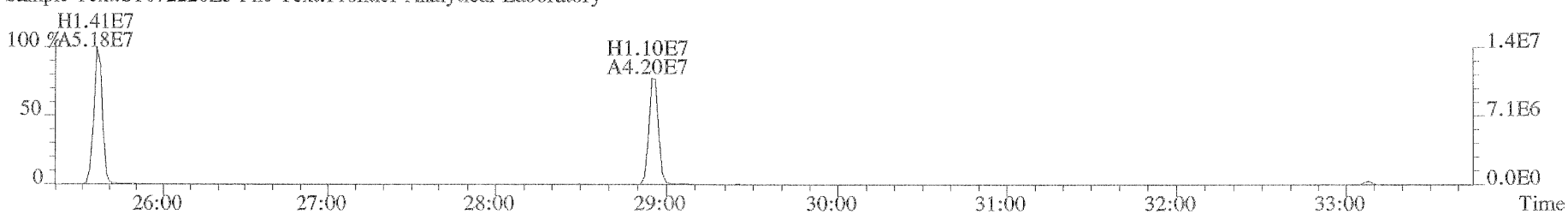
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



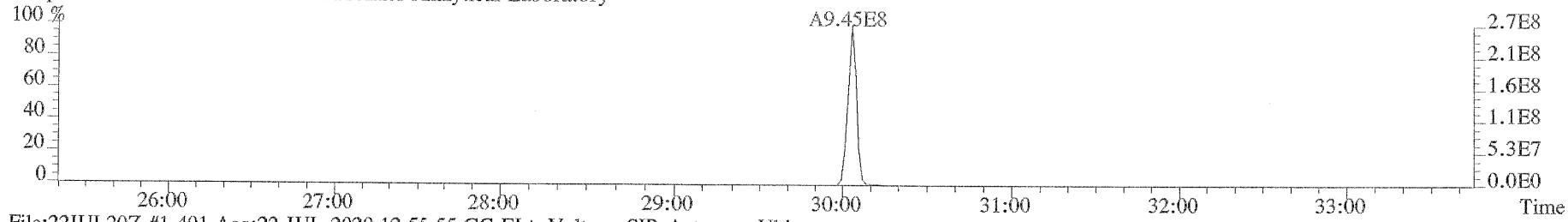
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



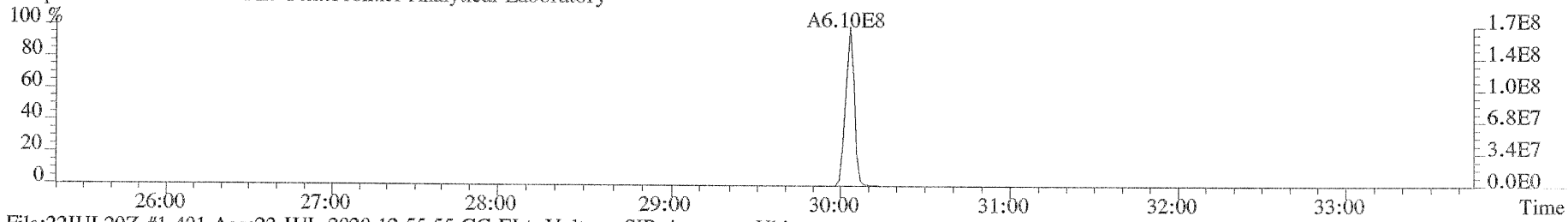
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



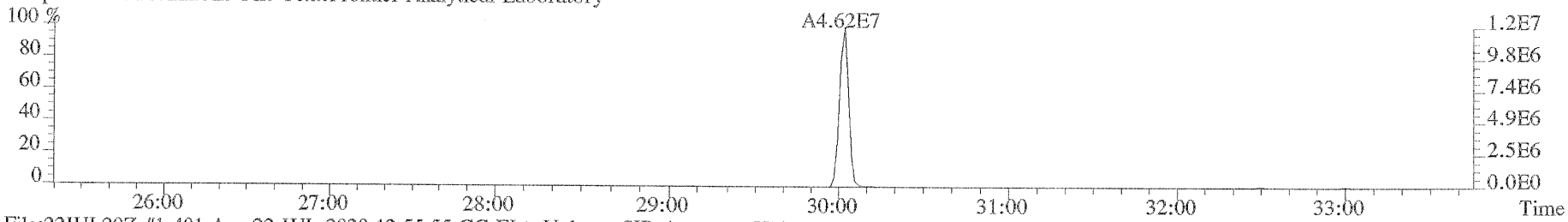
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



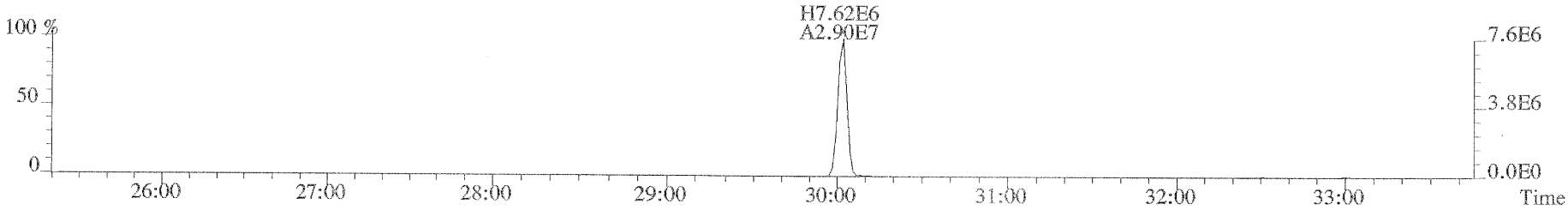
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



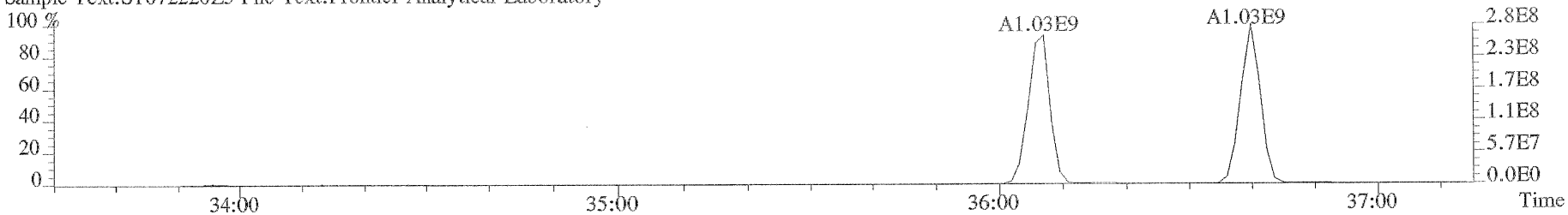
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



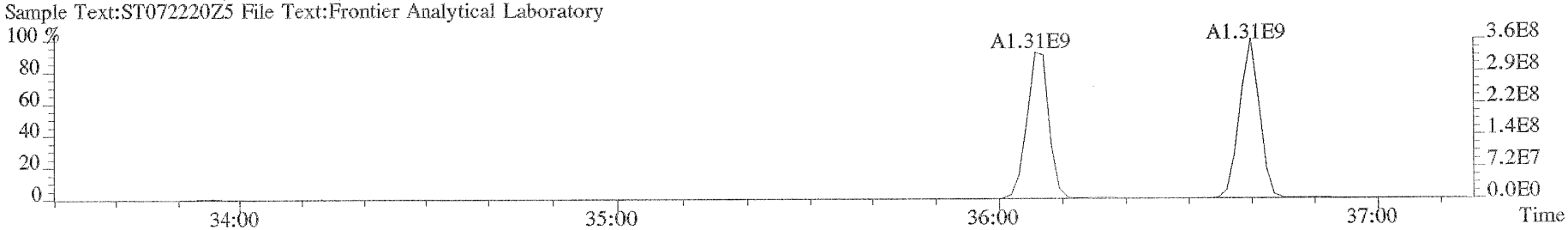
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



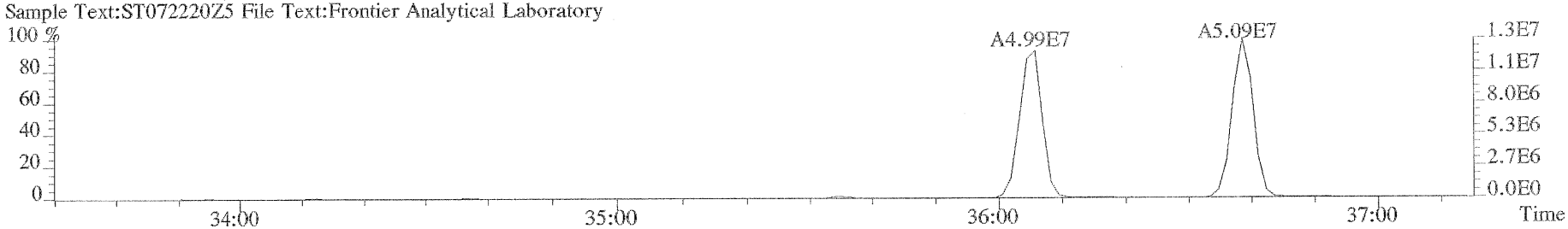
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



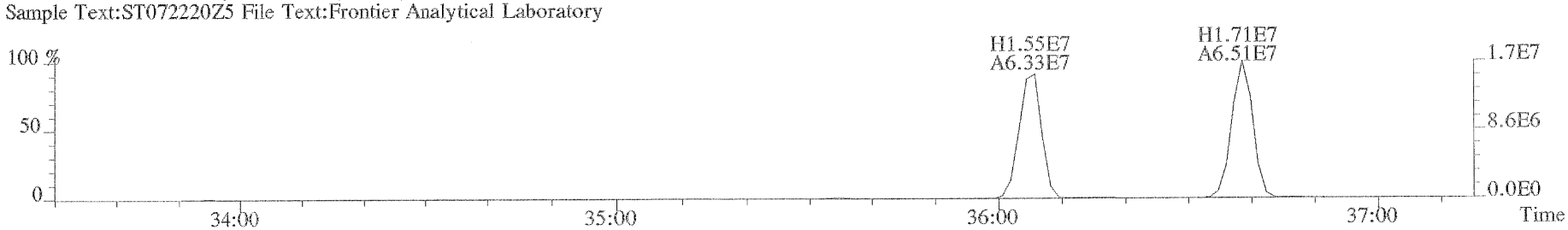
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



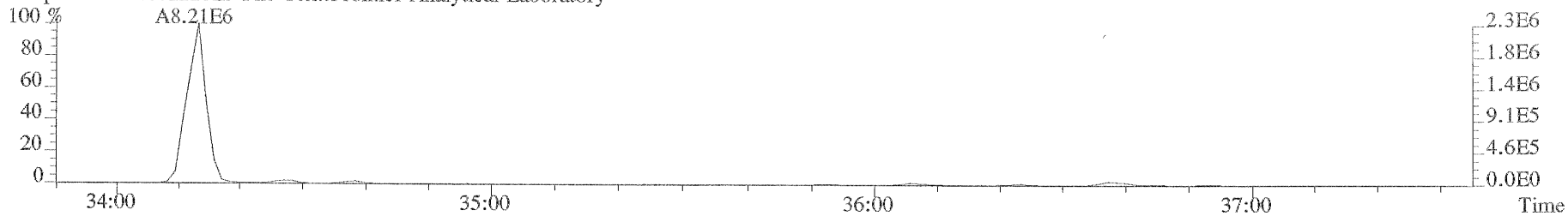
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



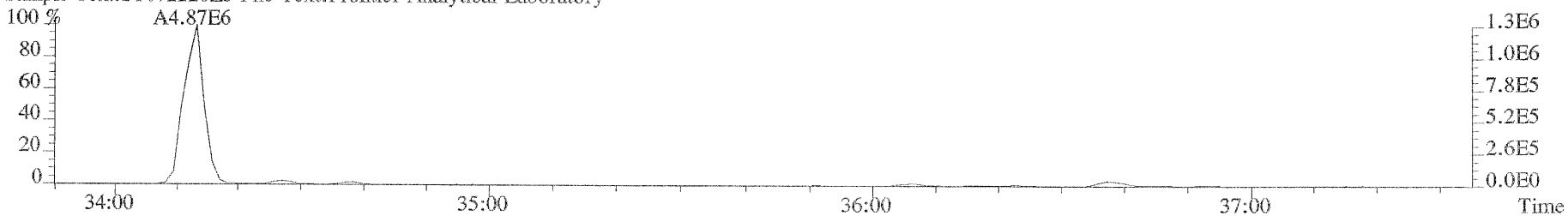
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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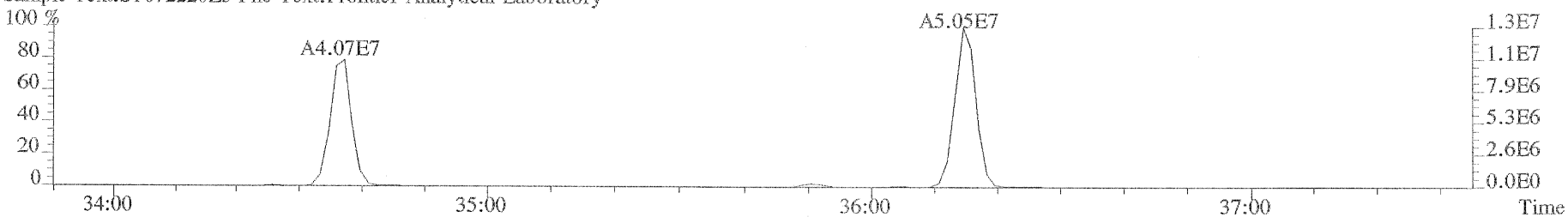
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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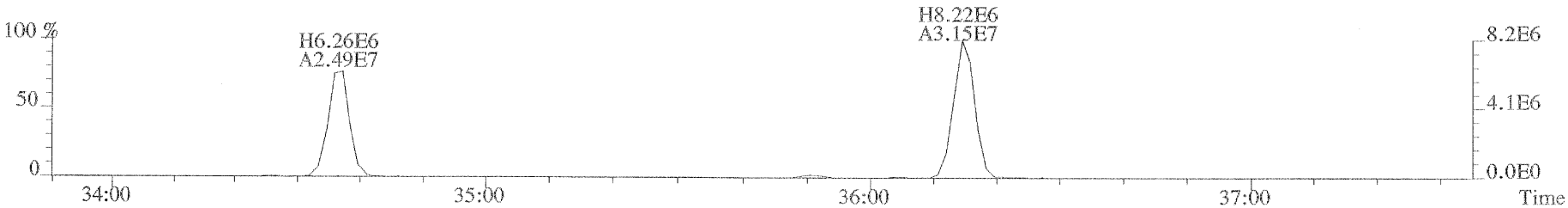
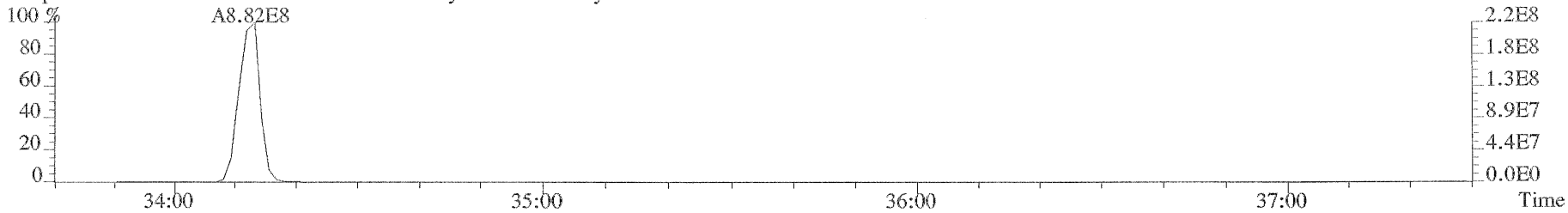
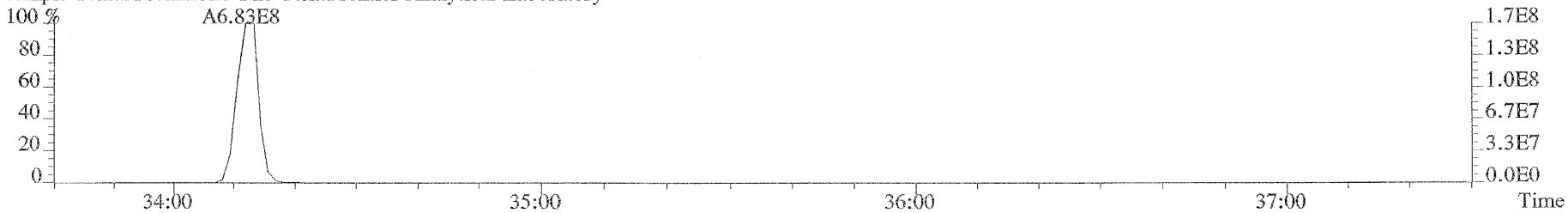
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



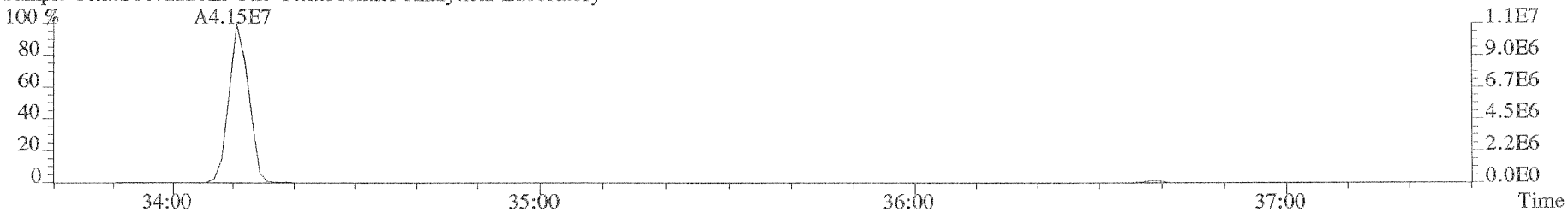
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



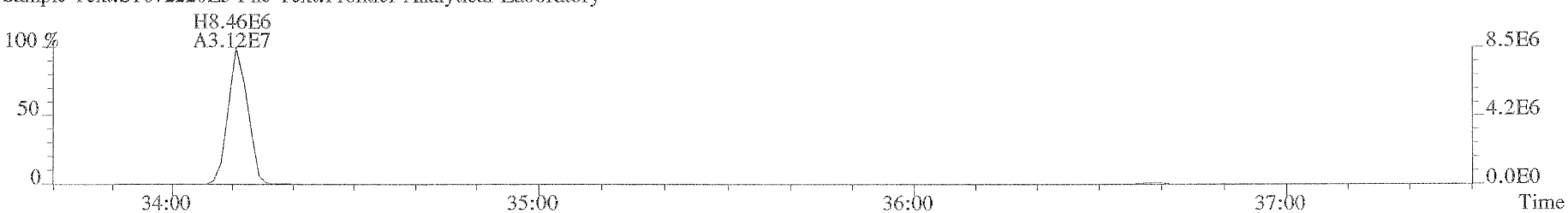
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



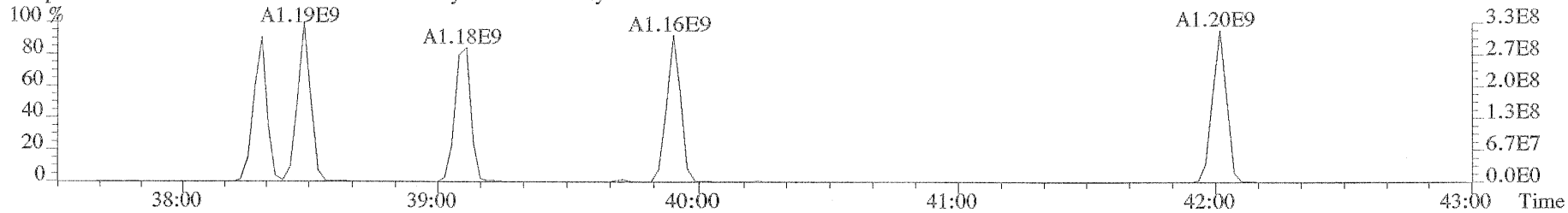
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



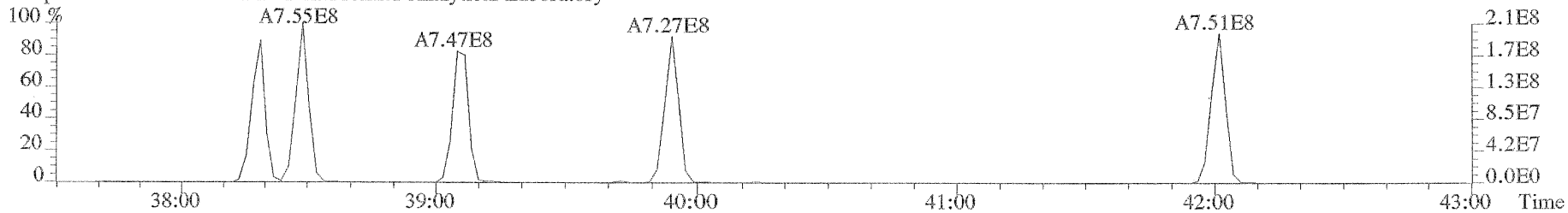
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



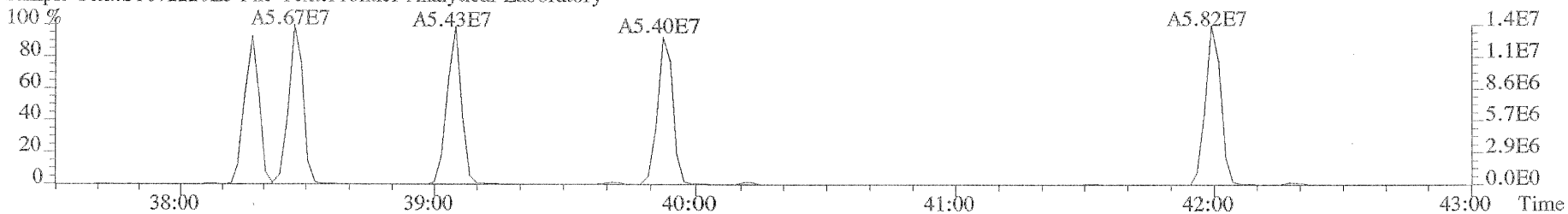
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



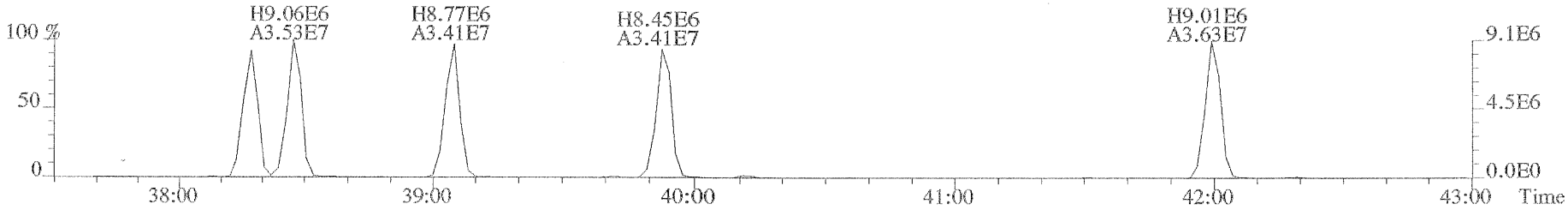
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



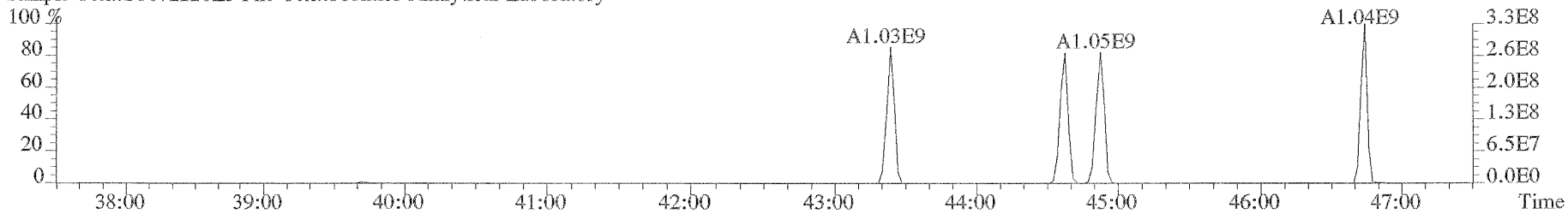
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



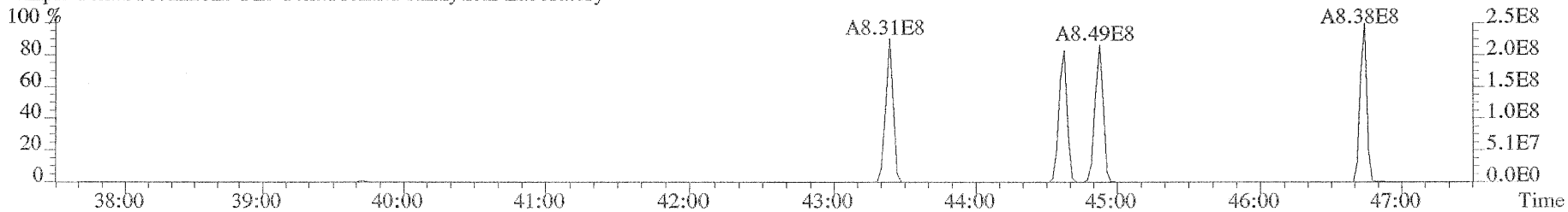
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



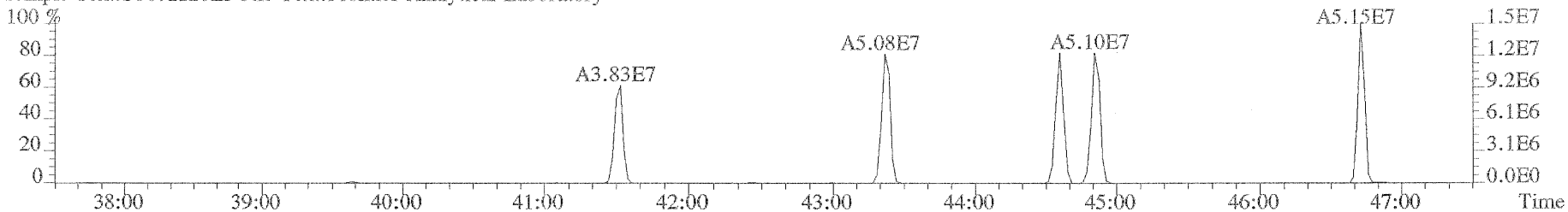
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



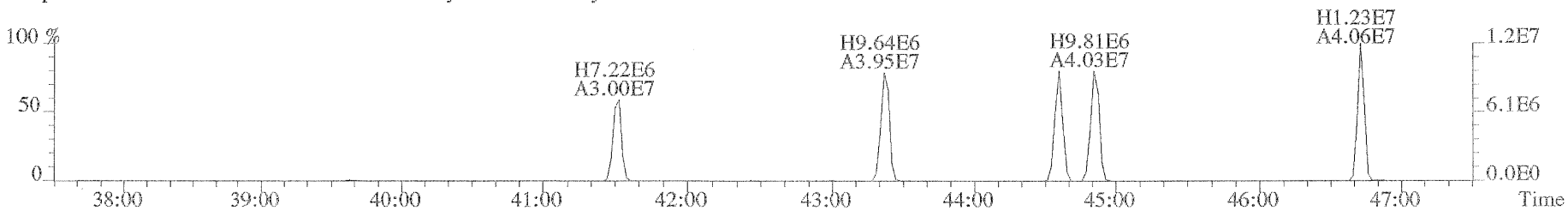
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



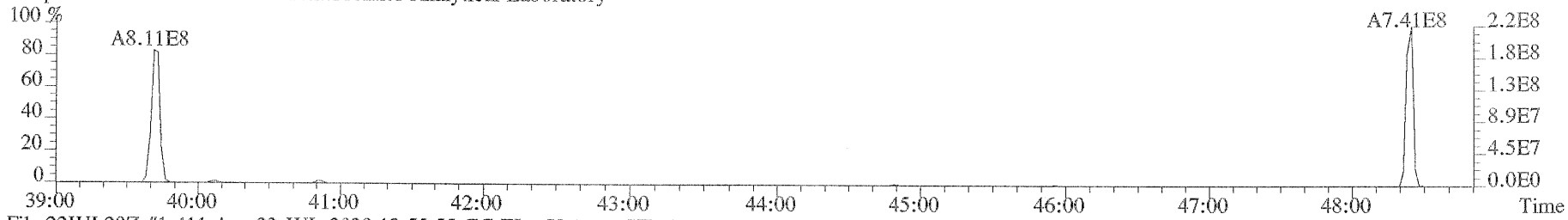
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



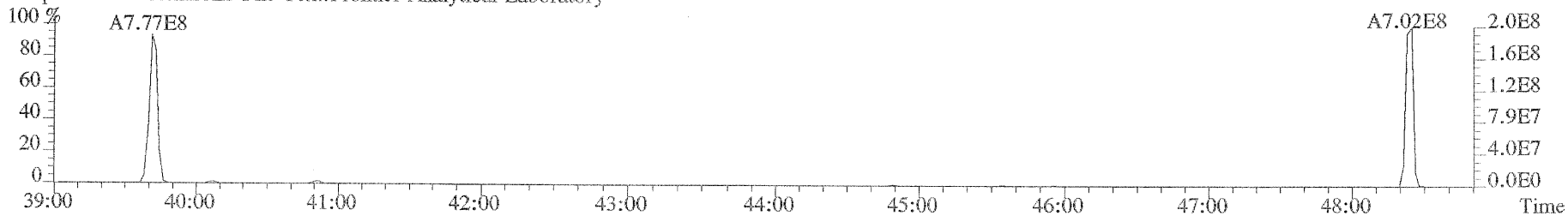
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



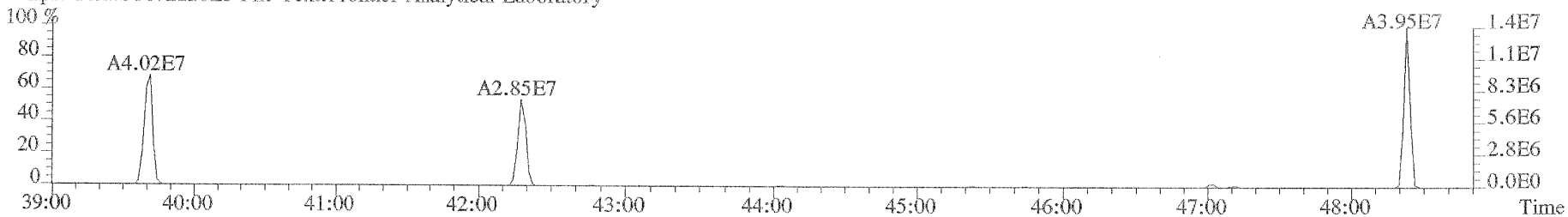
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



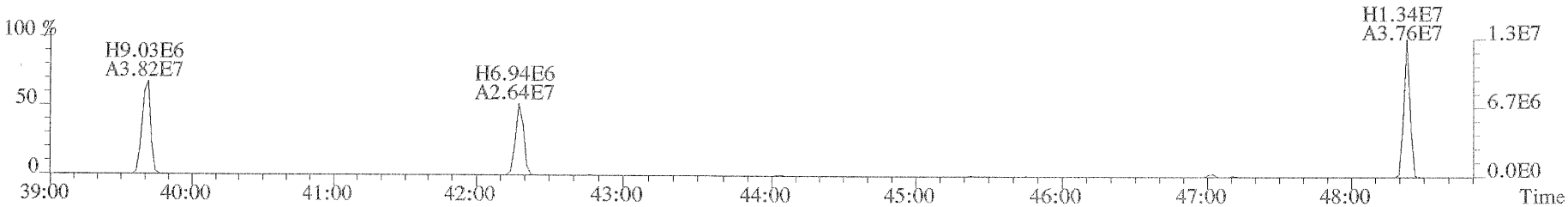
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



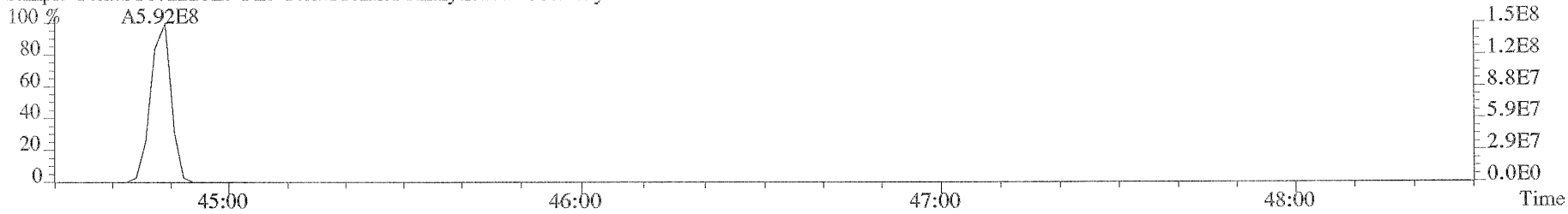
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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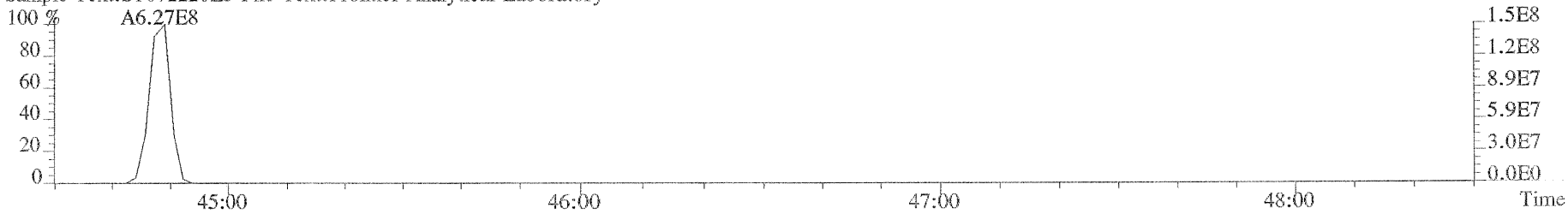
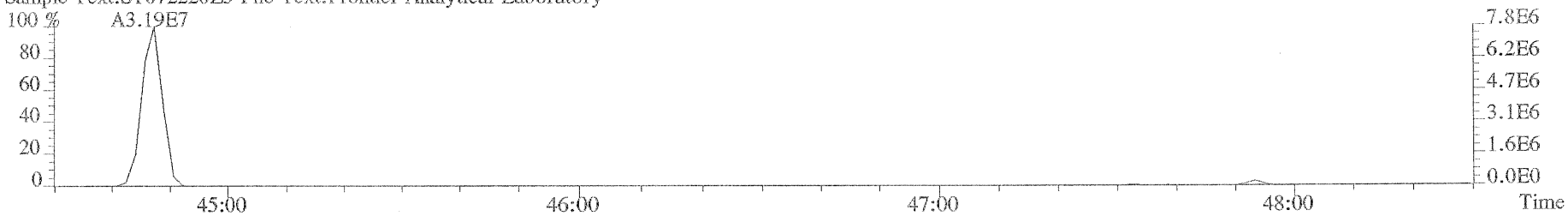
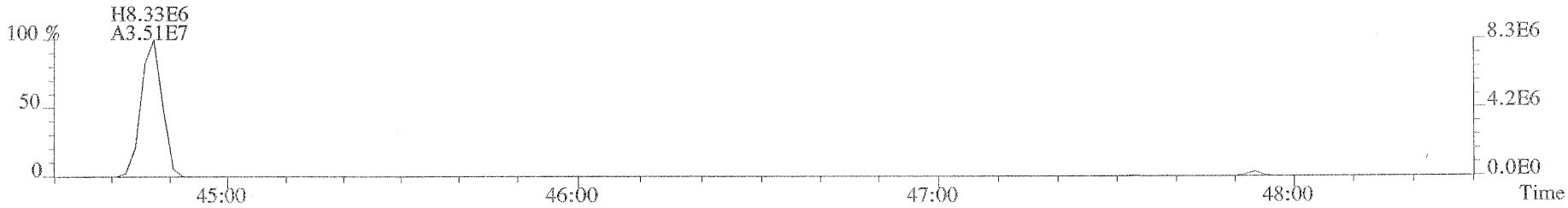
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



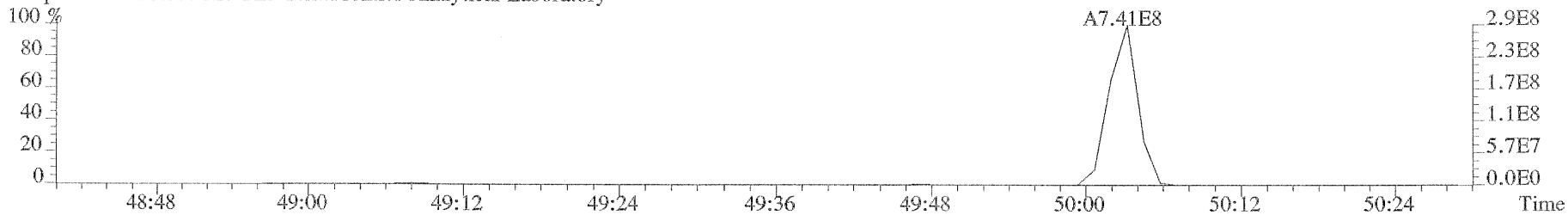
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



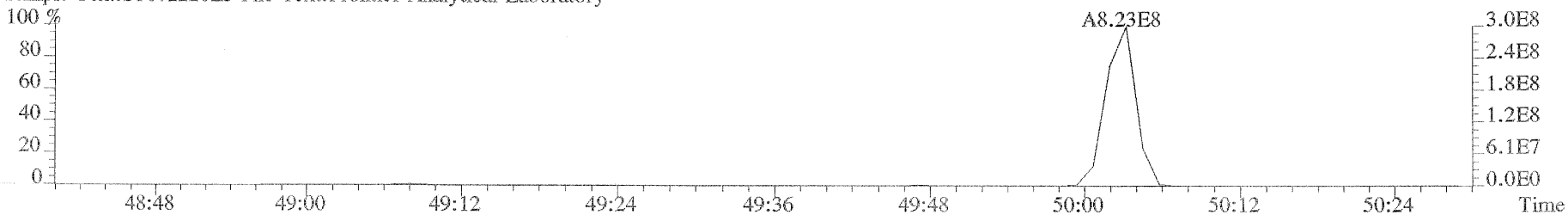
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



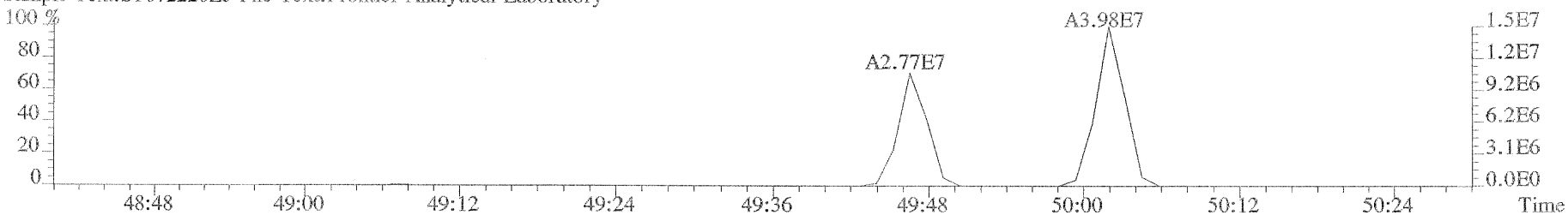
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



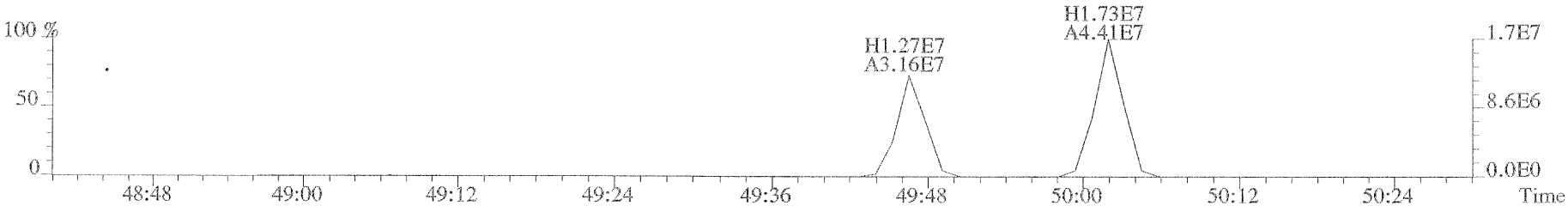
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



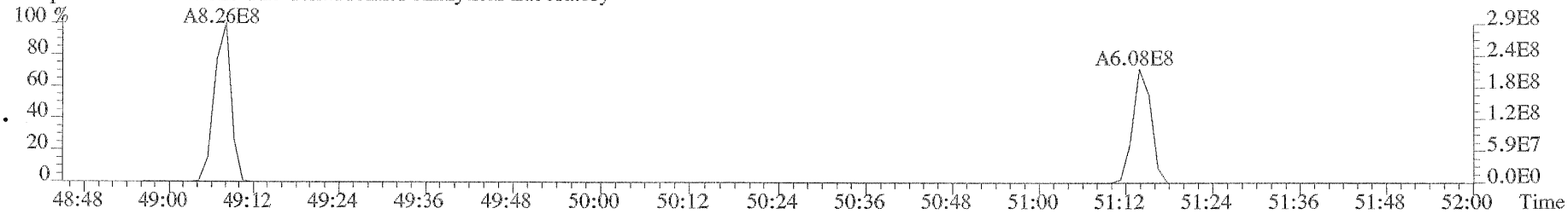
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



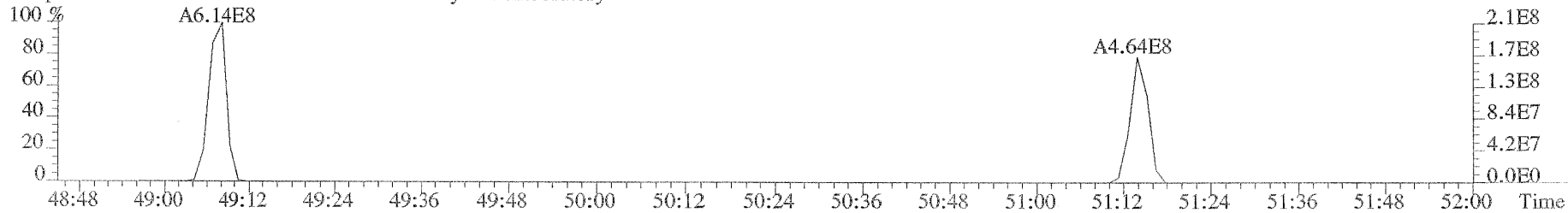
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



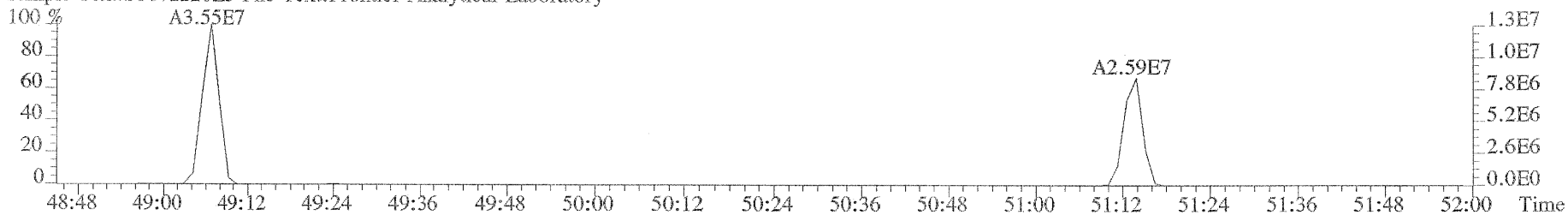
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



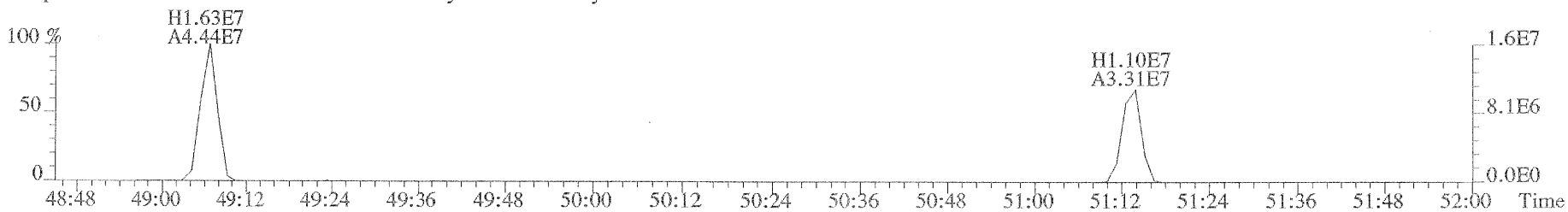
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



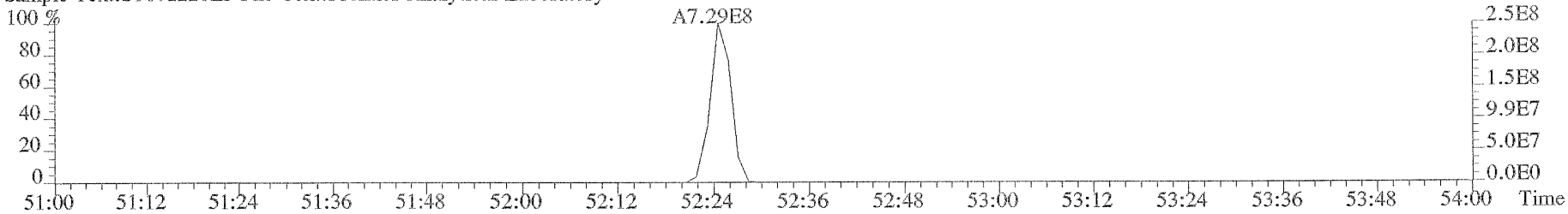
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



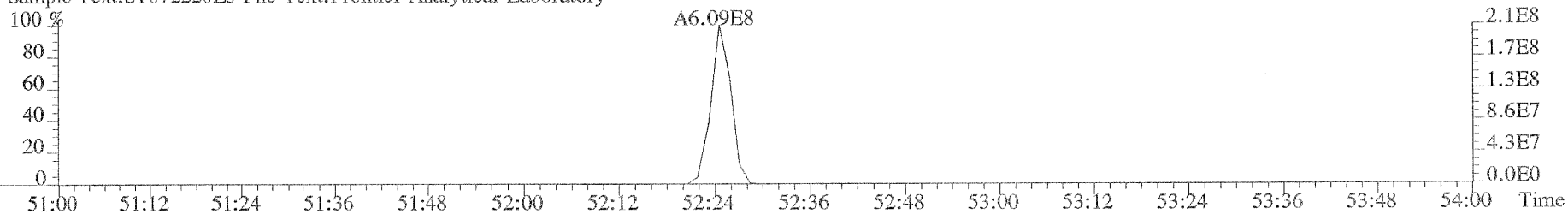
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



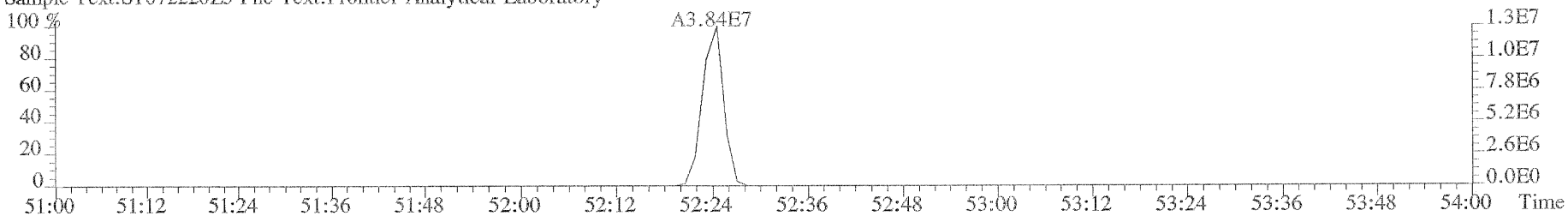
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



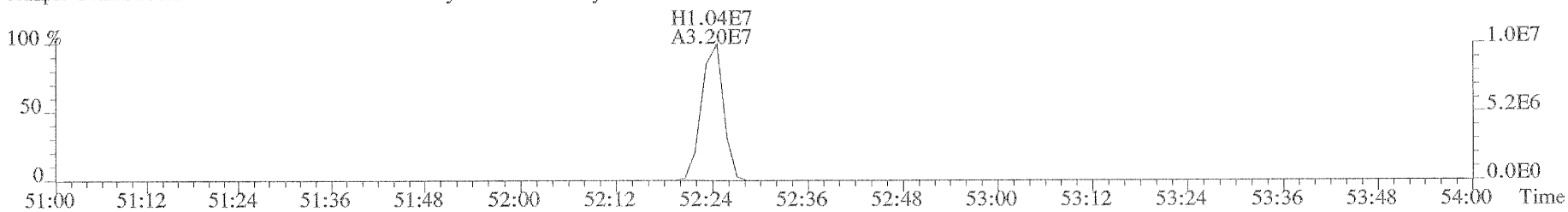
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



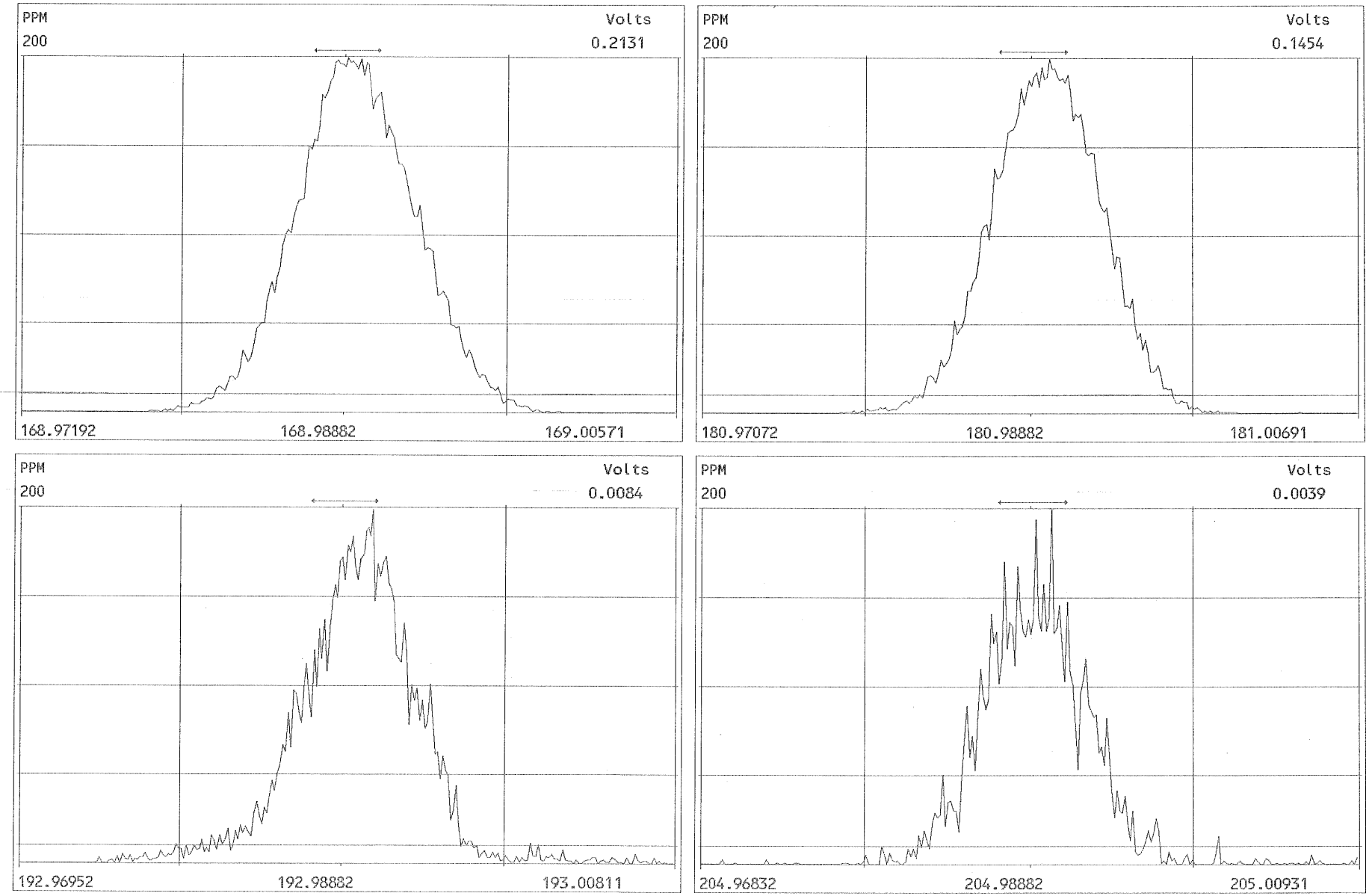
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

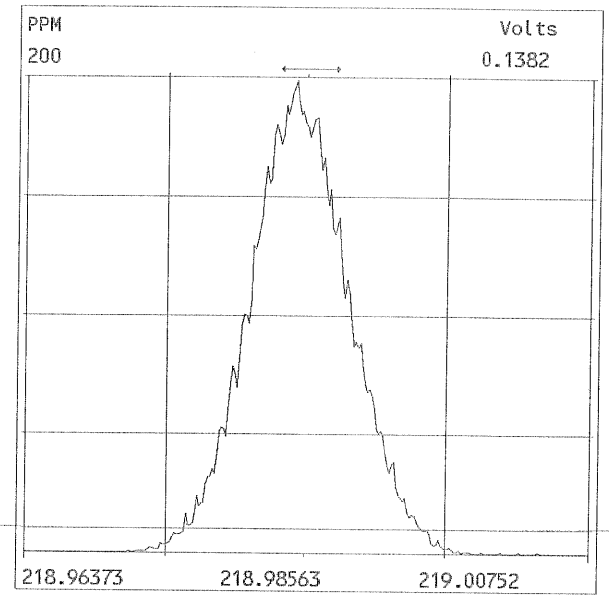


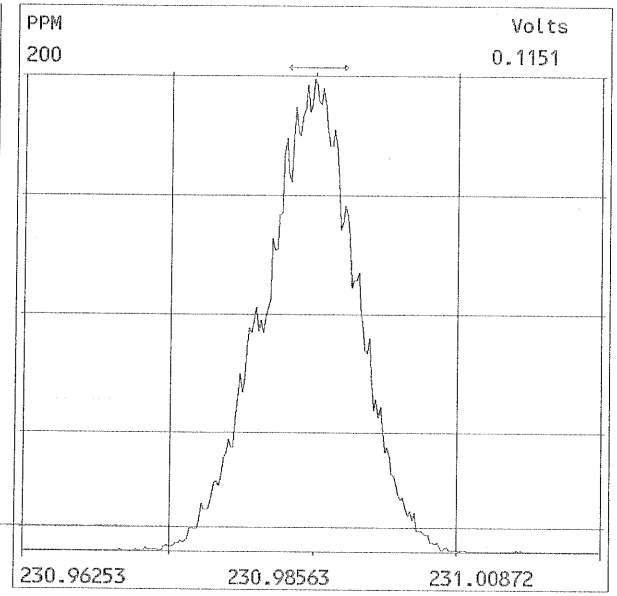
Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

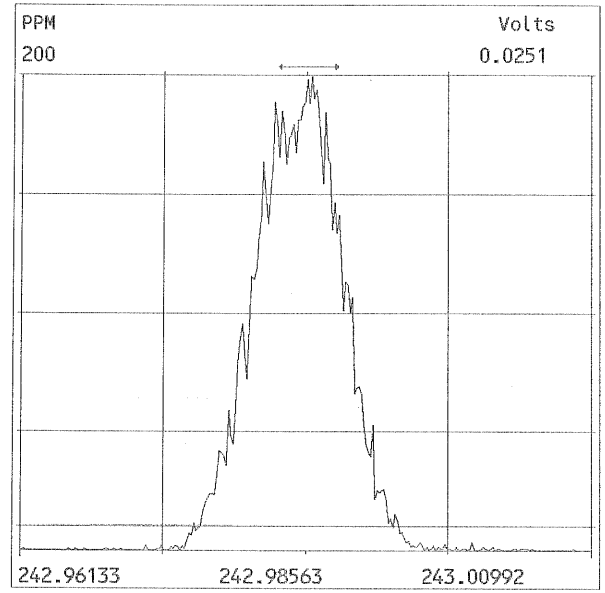


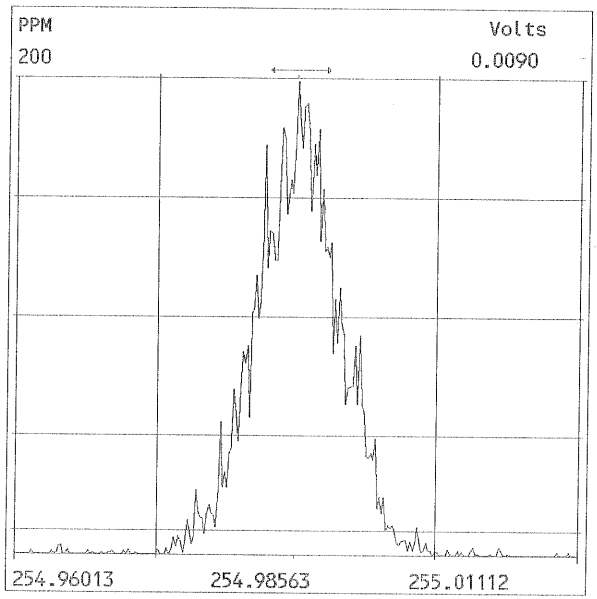
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

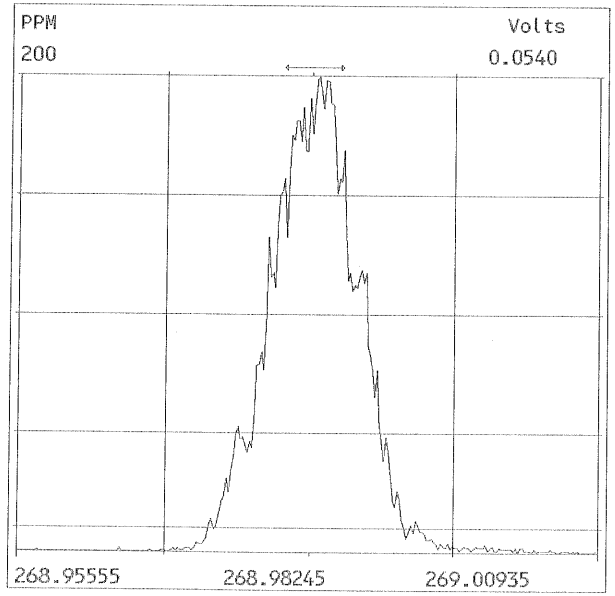
Experiment:1668PCB Function:2 Reference:PFK 98

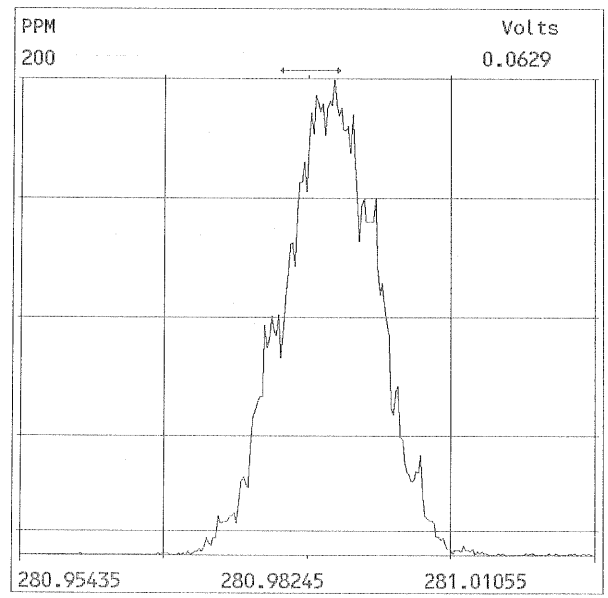




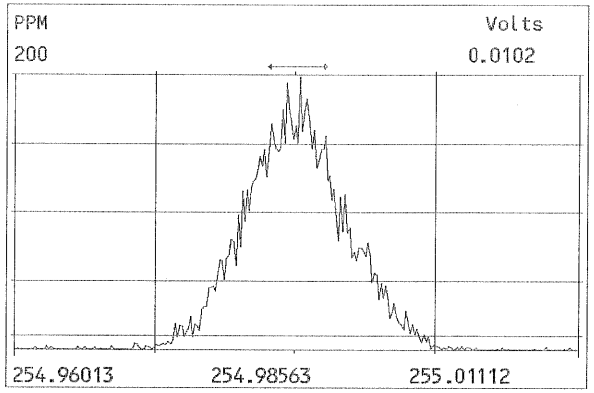


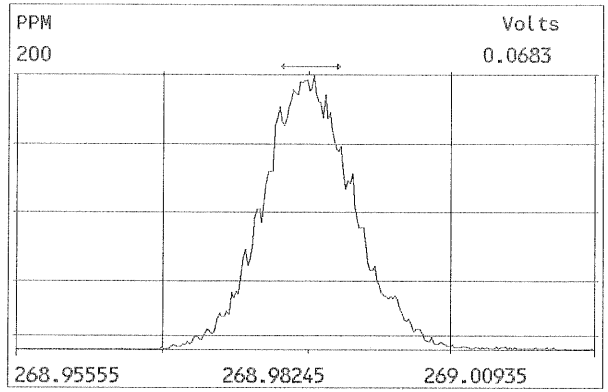


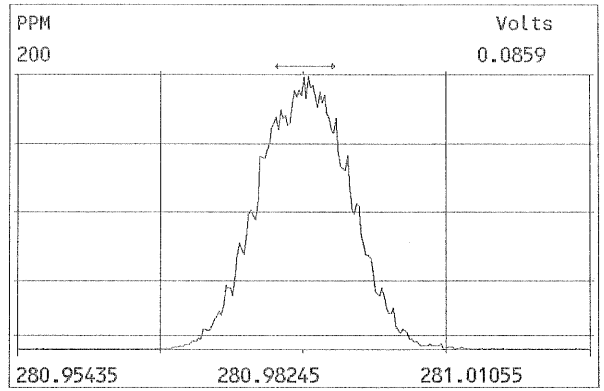


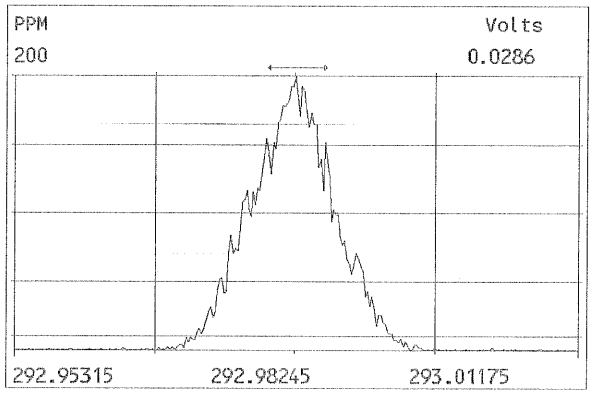


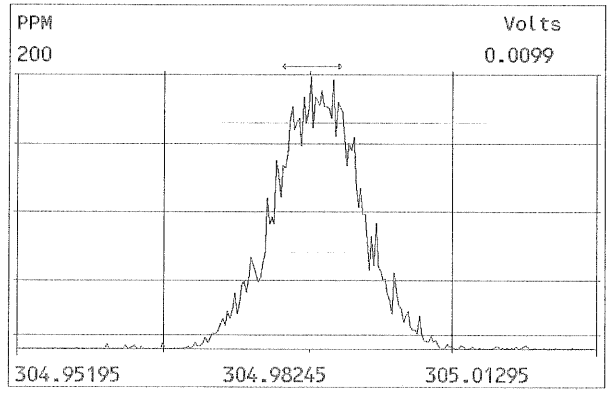
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

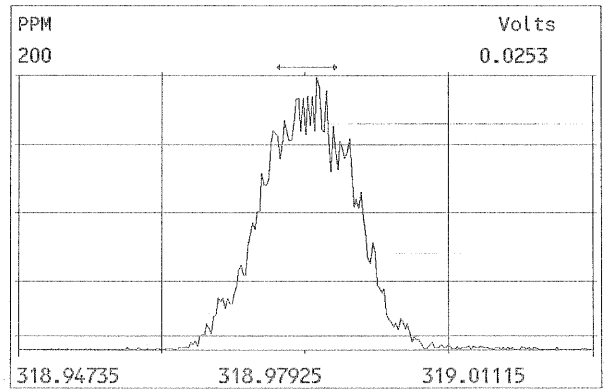


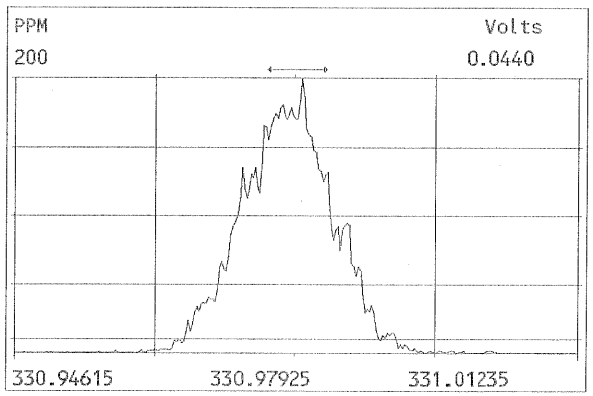


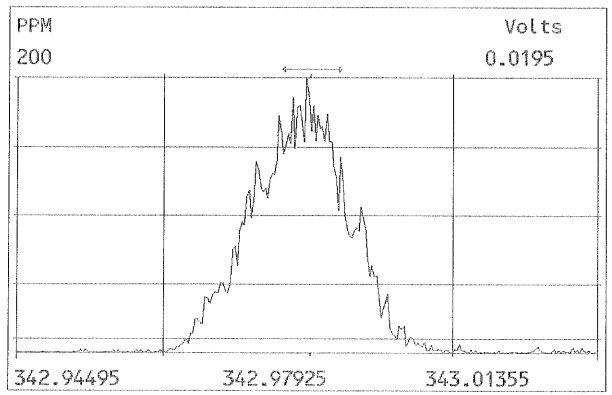






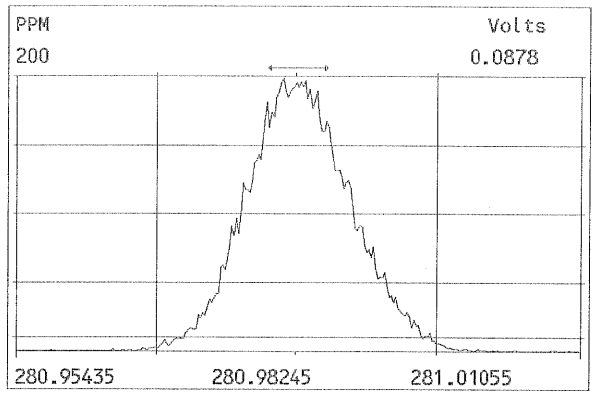


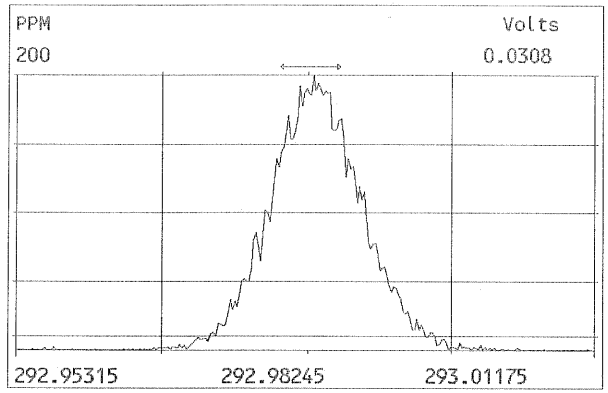


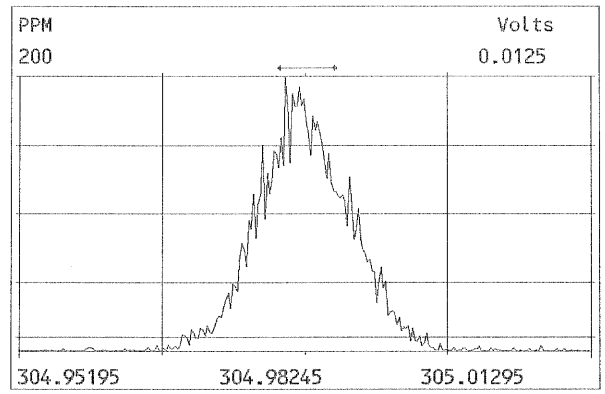


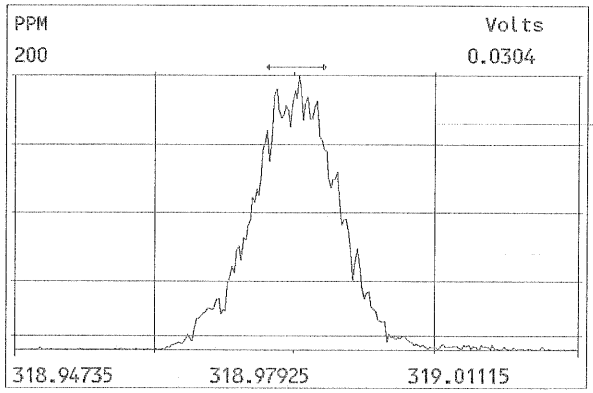
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

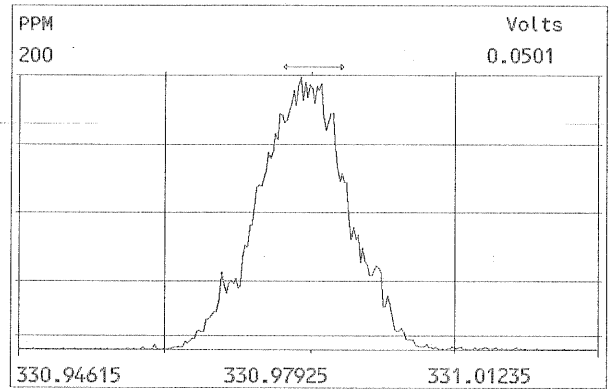
Experiment:1668PCB Function:4 Reference:PFK98

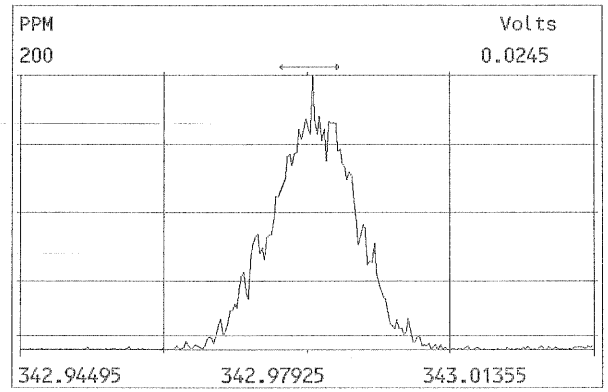


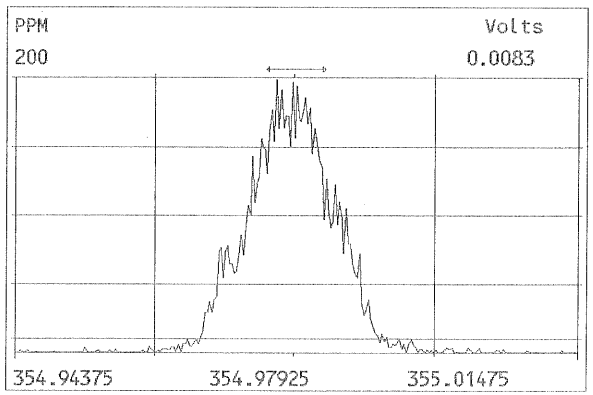


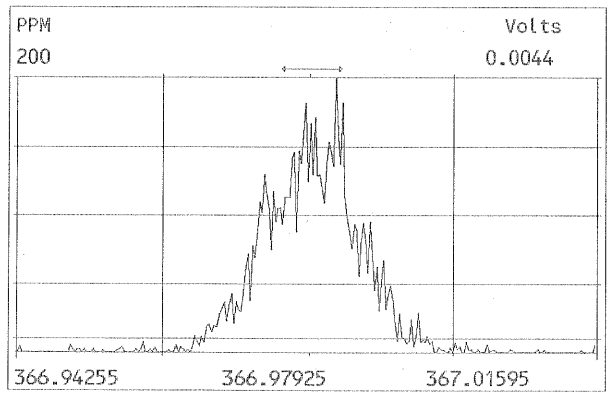


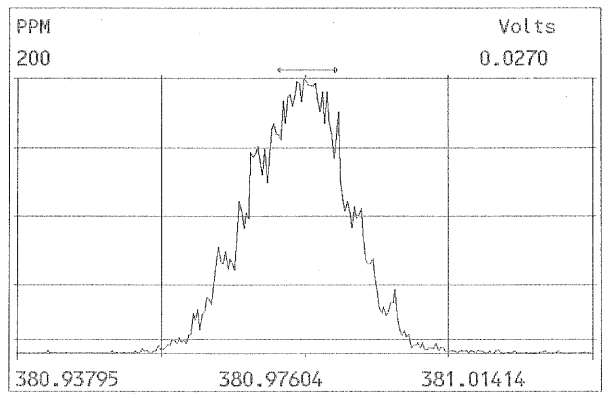




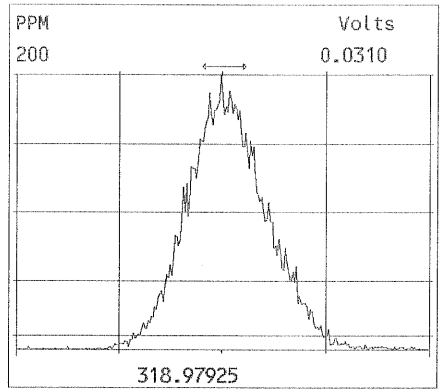


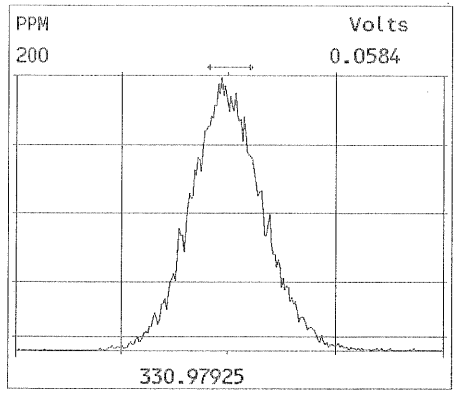


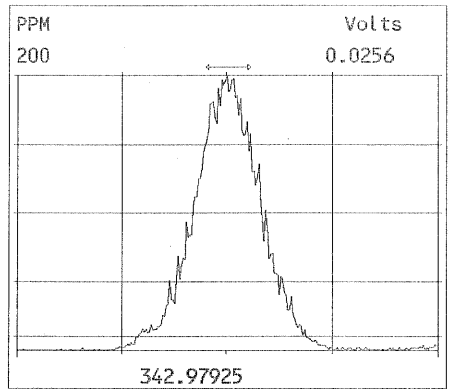


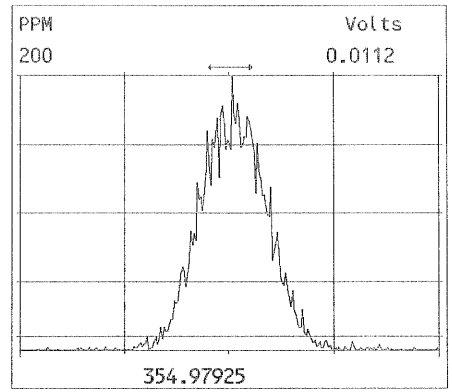


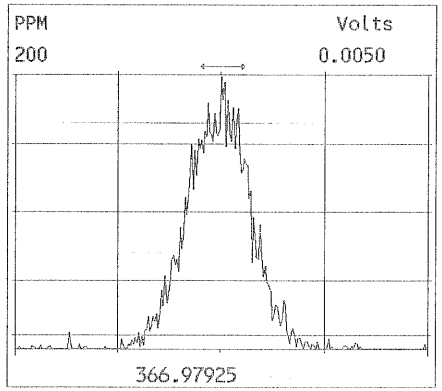
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

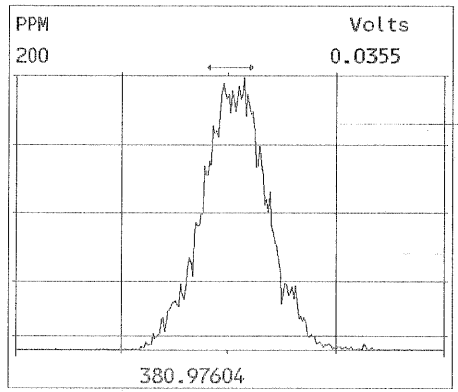


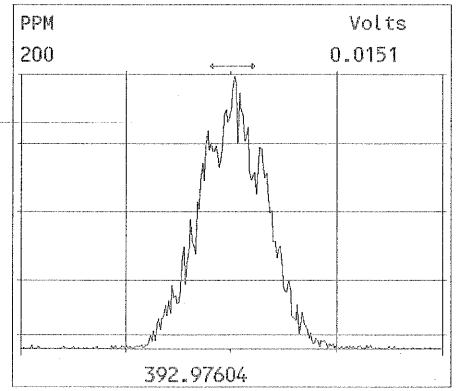


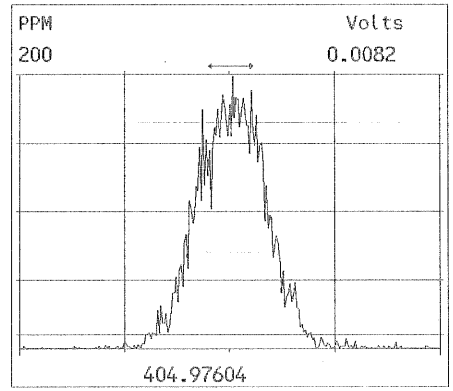


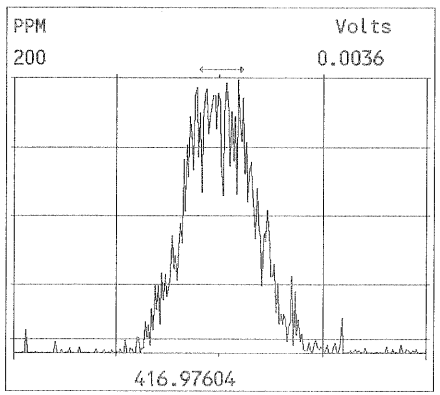


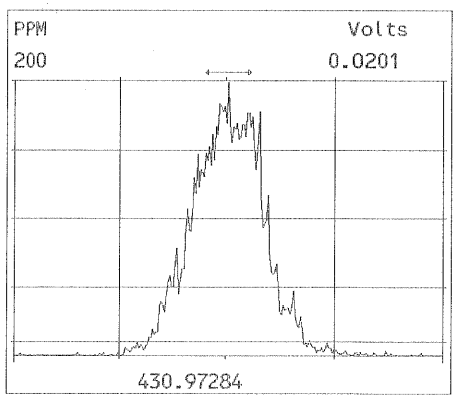


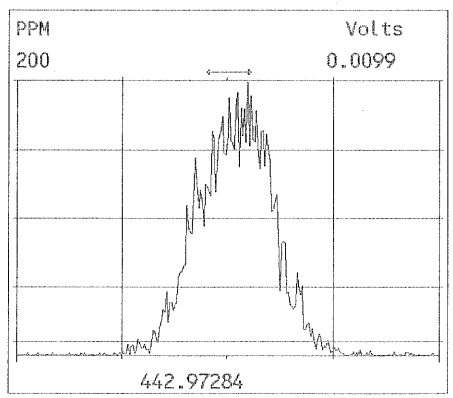




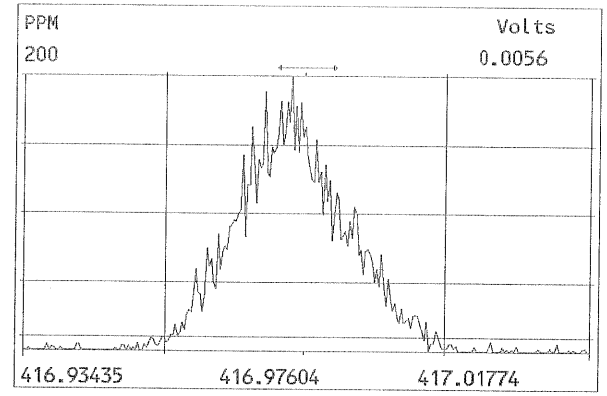


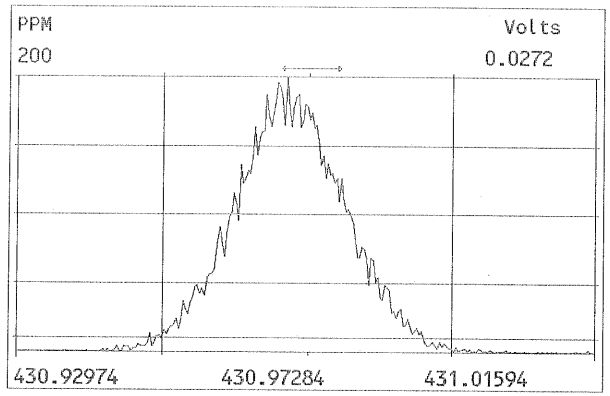


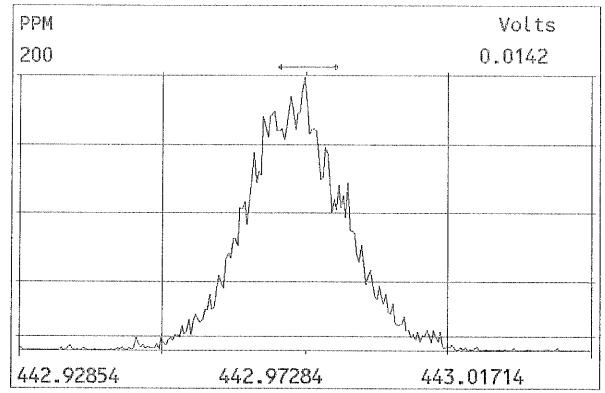


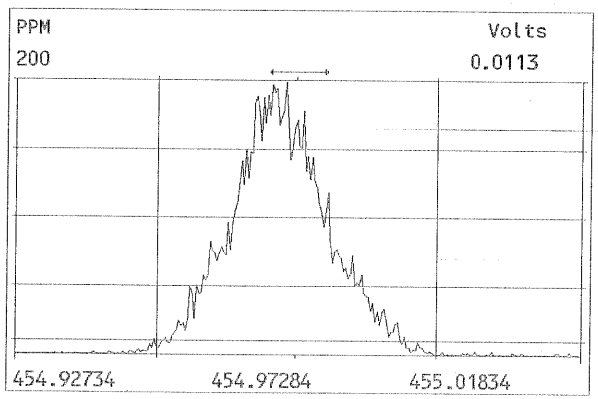


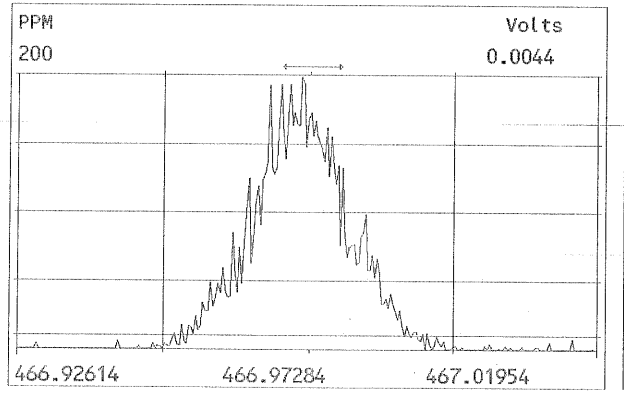
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

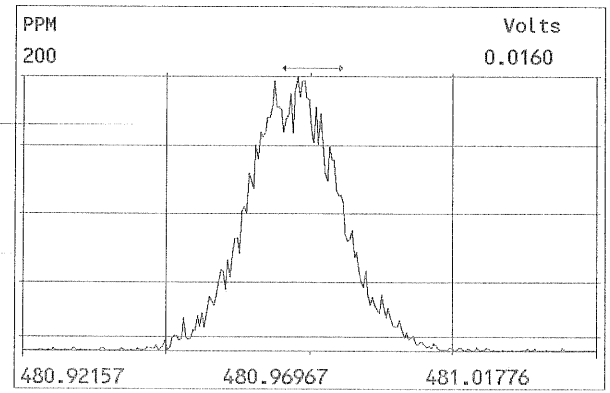


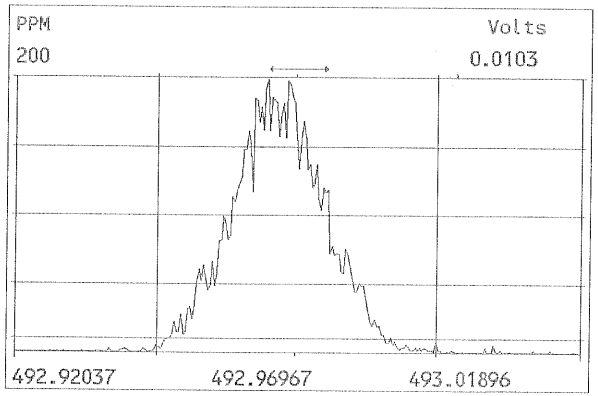


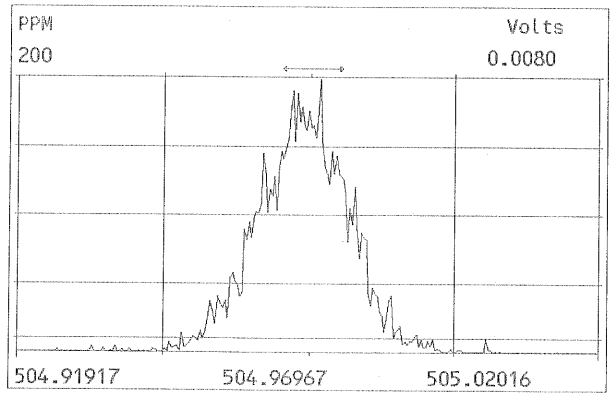


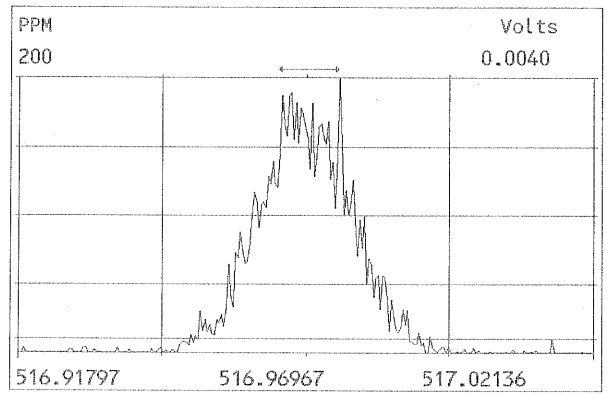












Cal: DAILY209FAL4-11-10-20

Run: 10NOV20Z Analyte: DAILY209FAL4-11-10-20 Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:10NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2321	-	1.23	
13C-PCB-1	0.8889	-	0.89	
PCB-2	1.2517	-	1.25	
PCB-3	1.2129	-	1.21	
13C-PCB-3	0.8683	-	0.87	
PCB-4	0.9732	-	0.97	
PCB-10	1.5227	-	1.52	
13C-PCB-4	0.6539	-	0.65	
PCB-9	1.4130	-	1.41	
PCB-7	1.4305	-	1.43	
PCB-6	1.3219	-	1.32	
PCB-8	1.3772	-	1.38	
PCB-5	1.3413	-	1.34	
PCB-14	1.3872	-	1.39	
PCB-11	1.2386	-	1.24	
PCB-13	1.2923	-	1.29	
PCB-12	1.3158	-	1.32	
PCB-15	1.1832	-	1.18	
13C-PCB-15	0.9599	-	0.96	
PCB-19	1.3527	-	1.35	
PCB-30	2.0102	-	2.01	
PCB-18	1.3449	-	1.34	
PCB-17	1.4783	-	1.48	
PCB-27	1.9366	-	1.94	
PCB-24	1.9290	-	1.93	
PCB-16	1.6359	-	1.64	
PCB-32	1.6932	-	1.69	
13C-PCB-19	0.4460	-	0.45	
13C-PCB-9	-	-	-	
PCB-34	1.2695	-	1.27	
PCB-23	1.3119	-	1.31	
PCB-29	1.3044	-	1.30	
PCB-26	1.2196	-	1.22	
PCB-25	1.2064	-	1.21	
PCB-31	1.1821	-	1.18	
PCB-28	1.5075	-	1.51	
PCB-20	1.2144	-	1.21	Co-elute PCB 21/33
PCB-21	1.2144	-	1.21	Co-elute PCB 20/33
PCB-33	1.2144	-	1.21	Co-elute PCB 20/21
PCB-22	1.3959	-	1.40	
PCB-36	1.2323	-	1.23	
PCB-39	1.2073	-	1.21	
PCB-38	1.1699	-	1.17	
PCB-35	1.1373	-	1.14	
PCB-37	1.1978	-	1.20	
13C-PCB-37	1.3996	-	1.40	

PCB-54	1.2410	-	1.24	
PCB-50	0.9157	-	0.92	
PCB-53	0.9138	-	0.91	
PCB-51	0.9822	-	0.98	
PCB-45	0.7920	-	0.79	
PCB-46	0.7775	-	0.78	
PCB-52	0.9121	-	0.91	Co-elute PCB 69
PCB-69	0.9121	-	0.91	Co-elute PCB 52
PCB-73	1.2259	-	1.23	
PCB-43	0.8228	-	0.82	Co-elute PCB 49
PCB-49	0.8228	-	0.82	Co-elute PCB 43
PCB-47	0.9021	-	0.90	
PCB-48	1.0532	-	1.05	Co-elute PCB 75
PCB-75	1.0532	-	1.05	Co-elute PCB 48
PCB-65	1.0868	-	1.09	
PCB-62	1.1203	-	1.12	
PCB-44	0.7332	-	0.73	
PCB-42	0.9600	-	0.96	Co-elute PCB 59
PCB-59	0.9600	-	0.96	Co-elute PCB 42
PCB-72	1.0480	-	1.05	Co-elute PCB 41/71/64
PCB-41	1.0480	-	1.05	Co-elute PCB 72/71/64
PCB-71	1.0480	-	1.05	Co-elute PCB 72/41/64
PCB-64	1.0480	-	1.05	Co-elute PCB 72/41/71
PCB-68	1.2808	-	1.28	
PCB-40	0.6876	-	0.69	
PCB-57	1.1301	-	1.13	
PCB-67	1.1675	-	1.17	
PCB-58	1.1278	-	1.13	
PCB-63	1.1336	-	1.13	
PCB-74	1.1547	-	1.15	
PCB-61	1.0601	-	1.06	Co-elute PCB 70
PCB-70	1.0601	-	1.06	Co-elute PCB 61
PCB-76	1.2059	-	1.21	Co-elute PCB 66
PCB-66	1.2059	-	1.21	Co-elute PCB 76
PCB-80	1.3688	-	1.37	
PCB-55	1.1908	-	1.19	
13C-PCB-54	1.2442	-	1.24	
PCB-104	1.1435	-	1.14	
PCB-96	1.1000	-	1.10	
PCB-103	0.9020	-	0.90	
PCB-100	0.9094	-	0.91	
PCB-94	0.7605	-	0.76	
PCB-98	0.7832	-	0.78	Co-elute PCB 102
PCB-102	0.7832	-	0.78	Co-elute PCB 98
PCB-95	0.8427	-	0.84	
PCB-93	0.7843	-	0.78	
PCB-88	0.8916	-	0.89	Co-elute PCB 91
PCB-91	0.8916	-	0.89	Co-elute PCB 88
PCB-121	0.9820	-	0.98	
13C-PCB-104	0.9802	-	0.98	
13C-PCB-28	1.7398	-	1.74	
13C-PCB-52	-	-	-	

PCB-56	1.2256	-	1.23	Co-elute PCB 60
PCB-60	1.2256	-	1.23	Co-elute PCB 56
PCB-79	1.2529	-	1.25	
PCB-78	1.2283	-	1.23	
PCB-81	1.2545	-	1.25	
13C-PCB-81	1.3344	-	1.33	
PCB-77	1.1110	-	1.11	
13C-PCB-77	1.3936	-	1.39	
PCB-155	1.0992	-	1.10	
PCB-150	1.0359	-	1.04	
PCB-152	1.0053	-	1.01	
PCB-145	1.0215	-	1.02	
PCB-136	0.9937	-	0.99	
PCB-148	0.7781	-	0.78	
PCB-154	0.8809	-	0.88	
13C-PCB-155	1.1848	-	1.18	
13C-PCB-111	1.2628	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.7806	-	0.78	Co-elute PCB 92
PCB-92	0.7806	-	0.78	Co-elute PCB 84
PCB-89	0.7688	-	0.77	
PCB-90	0.8527	-	0.85	Co-elute PCB 101
PCB-101	0.8527	-	0.85	Co-elute PCB 90
PCB-113	0.9623	-	0.96	
PCB-99	0.9394	-	0.94	
PCB-119	1.0622	-	1.06	
PCB-83	0.8774	-	0.88	Co-elute PCB 112
PCB-112	0.8774	-	0.88	Co-elute PCB 83
PCB-109	1.0384	-	1.04	
PCB-97	0.7328	-	0.73	
PCB-86	0.7611	-	0.76	
PCB-125	0.9437	-	0.94	Co-elute PCB 87/117
PCB-87	0.9437	-	0.94	Co-elute PCB 125/117
PCB-117	0.9437	-	0.94	Co-elute PCB 125/87
PCB-111	1.0645	-	1.06	Co-elute PCB 115
PCB-115	1.0645	-	1.06	Co-elute PCB 111
PCB-85	0.9601	-	0.96	Co-elute PCB 116
PCB-116	0.9601	-	0.96	Co-elute PCB 85
PCB-120	1.1394	-	1.14	
PCB-110	1.0863	-	1.09	
PCB-82	0.6556	-	0.66	
PCB-124	1.1885	-	1.19	
PCB-108	1.1389	-	1.14	Co-elute PCB 107
PCB-107	1.1389	-	1.14	Co-elute PCB 108
PCB-123	1.0855	-	1.09	
13C-PCB-123	1.2188	-	1.22	
PCB-118	1.1303	-	1.13	Co-elute PCB 106
PCB-106	1.1303	-	1.13	Co-elute PCB 118
13C-PCB-118	1.3026	-	1.30	
PCB-114	1.2120	-	1.21	
13C-PCB-114	1.2860	-	1.29	
PCB-122	1.1327	-	1.13	
PCB-105	1.1805	-	1.18	
13C-PCB-105	1.2706	-	1.27	
PCB-127	1.0954	-	1.10	
PCB-126	1.1472	-	1.15	
13C-PCB-126	1.1594	-	1.16	

PCB-151	0.9320	-	0.93	
PCB-135	0.9542	-	0.95	
PCB-144	0.9586	-	0.96	
PCB-147	1.0051	-	1.01	
PCB-139	1.0116	-	1.01	Co-elute PCB 149
PCB-149	1.0116	-	1.01	Co-elute PCB 139
PCB-140	1.0403	-	1.04	
PCB-143	0.8672	-	0.87	Co-elute PCB 134
PCB-134	0.8672	-	0.87	Co-elute PCB 143
PCB-131	0.8784	-	0.88	Co-elute PCB 133
PCB-133	0.8784	-	0.88	Co-elute PCB 131
PCB-142	0.8889	-	0.89	
PCB-165	1.1426	-	1.14	Co-elute PCB 146
PCB-146	1.1426	-	1.14	Co-elute PCB 165
PCB-161	1.1075	-	1.11	Co-elute PCB 132
PCB-132	1.1075	-	1.11	Co-elute PCB 161
PCB-153	1.1213	-	1.12	
PCB-168	1.2510	-	1.25	
PCB-141	0.9709	-	0.97	
PCB-137	1.0164	-	1.02	
PCB-130	0.8150	-	0.82	
PCB-138	1.1407	-	1.14	Co-elute PCB 163/164
PCB-163	1.1407	-	1.14	Co-elute PCB 138/164
PCB-164	1.1407	-	1.14	Co-elute PCB 138/163
PCB-158	1.2606	-	1.26	Co-elute PCB 160
PCB-160	1.2606	-	1.26	Co-elute PCB 158
PCB-129	0.8320	-	0.83	
PCB-166	1.2214	-	1.22	
PCB-159	1.2791	-	1.28	
PCB-128	1.0754	-	1.08	Co-elute PCB 162
PCB-162	1.0754	-	1.08	Co-elute PCB 128
PCB-167	1.1858	-	1.19	
13C-PCB-167	1.1272	-	1.13	
PCB-156	1.2143	-	1.21	
13C-PCB-156	1.0880	-	1.09	
PCB-157	1.1924	-	1.19	
13C-PCB-157	1.0929	-	1.09	
PCB-169	1.1176	-	1.12	
13C-PCB-169	1.0406	-	1.04	
PCB-188	1.0935	-	1.09	
13C-PCB-188	1.0621	-	1.06	

PCB-184	1.2741	-	1.27	
PCB-179	1.1955	-	1.20	
PCB-176	1.1519	-	1.15	
PCB-186	1.1764	-	1.18	
PCB-178	0.8429	-	0.84	
PCB-175	0.8846	-	0.88	
PCB-187	0.9313	-	0.93	Co-elute PCB 182
PCB-182	0.9313	-	0.93	Co-elute PCB 187
PCB-183	0.9409	-	0.94	
PCB-185	0.8667	-	0.87	
PCB-174	0.7938	-	0.79	
PCB-181	0.9322	-	0.93	
PCB-177	0.8171	-	0.82	
PCB-171	0.8731	-	0.87	
PCB-173	0.7626	-	0.76	
PCB-172	0.7980	-	0.80	
PCB-192	1.0613	-	1.06	
PCB-180	0.8215	-	0.82	
PCB-193	1.1329	-	1.13	
PCB-191	1.1361	-	1.14	
PCB-170	0.7825	-	0.78	
PCB-190	1.0518	-	1.05	
PCB-189	1.0874	-	1.09	
13C-PCB-189	0.8904	-	0.89	
PCB-202	1.1117	-	1.11	
PCB-201	1.1992	-	1.20	
PCB-204	1.1955	-	1.20	
PCB-197	1.2694	-	1.27	
PCB-200	1.2370	-	1.24	
PCB-198	0.9043	-	0.90	
PCB-199	0.8383	-	0.84	
PCB-203	0.9610	-	0.96	Co-elute PCB 196
PCB-196	0.9610	-	0.96	Co-elute PCB 203
13C-PCB-202	0.7530	-	0.75	
13C-PCB-178	0.8043	-	0.80	
13C-PCB-138	-	-	-	
PCB-195	0.8848	-	0.88	
PCB-194	0.8665	-	0.87	
PCB-205	1.0837	-	1.08	
13C-PCB-205	1.2562	-	1.26	
PCB-208	1.0819	-	1.08	
13C-PCB-208	1.2731	-	1.27	
PCB-207	1.2528	-	1.25	
PCB-206	1.1102	-	1.11	
13C-PCB-206	0.8657	-	0.87	
PCB-209	1.1941	-	1.19	
13C-PCB-209	1.0078	-	1.01	
13C-PCB-194	-	-	-	

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

Run #1 Filename 10NOV20Z S: 1 Acquired: 10-NOV-20 07:28:49 Cal: DAILY209FAL4-11-10-20
Client ID: ST111020Z1 Analyte: DAILY209FAL4-11-10-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.96e+07	3.20 y	14:32	-	1.23	
2	IS/RT	13C-PCB-1	100.00	6.42e+07	3.20 y	14:31	-	0.889	
3	Unk	PCB-2	50.00	3.97e+07	3.18 y	16:45	-	1.25	
4	Unk	PCB-3	50.00	3.80e+07	3.17 y	16:58	-	1.21	
5	IS/RT	13C-PCB-3	100.00	6.27e+07	3.23 y	16:57	-	0.868	
6	Unk	PCB-4	50.00	2.30e+07	1.47 y	18:14	-	0.973	
7	Unk	PCB-10	50.00	4.44e+07	1.59 y	18:17	-	1.52	
8	IS/RT	13C-PCB-4	100.00	4.72e+07	1.57 y	18:12	-	0.654	
9	Unk	PCB-9	50.00	4.12e+07	1.48 y	19:55	-	1.41	
10	Unk	PCB-7	50.00	4.17e+07	1.58 y	19:57	-	1.43	
11	Unk	PCB-6	50.00	3.85e+07	1.53 y	20:32	-	1.32	
12	Unk	PCB-8	50.00	4.01e+07	1.55 y	20:55	-	1.38	
13	Unk	PCB-5	50.00	3.91e+07	1.46 y	20:57	-	1.34	
14	Unk	PCB-14	50.00	4.04e+07	1.54 y	21:58	-	1.39	
15	Unk	PCB-11	50.00	3.61e+07	1.50 y	23:06	-	1.24	
16	Unk	PCB-13	50.00	3.77e+07	1.51 y	23:25	-	1.29	
17	Unk	PCB-12	50.00	3.84e+07	1.53 y	23:29	-	1.32	
18	Unk	PCB-15	50.00	4.10e+07	1.53 y	23:45	-	1.18	
19	IS/RT	13C-PCB-15	100.00	6.93e+07	1.60 y	23:44	-	0.960	
20	Unk	PCB-19	50.00	2.18e+07	1.10 y	22:08	-	1.35	
21	Unk	PCB-30	50.00	3.24e+07	1.09 y	22:59	-	2.01	
22	Unk	PCB-18	50.00	2.17e+07	1.08 y	23:40	-	1.34	
23	Unk	PCB-17	50.00	2.38e+07	1.08 y	23:50	-	1.48	
24	Unk	PCB-27	50.00	3.12e+07	1.06 y	24:22	-	1.94	
25	Unk	PCB-24	50.00	3.11e+07	1.08 y	24:23	-	1.93	
26	Unk	PCB-16	50.00	2.64e+07	1.02 y	24:52	-	1.64	
27	Unk	PCB-32	50.00	2.73e+07	1.09 y	24:53	-	1.69	
28	IS/RT	13C-PCB-19	100.00	3.22e+07	1.08 y	22:06	-	0.446	
29	RS	13C-PCB-9	100.00	7.22e+07	1.56 y	19:53	7.22e+05	-	
30	Unk	PCB-34	50.00	3.45e+07	1.02 y	25:38	-	1.27	
31	Unk	PCB-23	50.00	3.57e+07	1.07 y	25:43	-	1.31	
32	Unk	PCB-29	50.00	3.55e+07	1.06 y	25:57	-	1.30	
33	Unk	PCB-26	50.00	3.32e+07	1.07 y	26:09	-	1.22	
34	Unk	PCB-25	50.00	3.28e+07	1.06 y	26:18	-	1.21	
35	Unk	PCB-31	50.00	3.22e+07	1.07 y	26:38	-	1.18	
36	Unk	PCB-28	50.00	4.10e+07	1.05 y	26:45	-	1.51	
37	Unk	PCB-20	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.80e+07	1.07 y	27:44	-	1.40	
41	Unk	PCB-36	50.00	3.35e+07	1.06 y	28:20	-	1.23	
42	Unk	PCB-39	50.00	3.28e+07	1.08 y	28:46	-	1.21	
43	Unk	PCB-38	50.00	3.18e+07	1.06 y	29:30	-	1.17	
44	Unk	PCB-35	50.00	3.09e+07	1.06 y	29:59	-	1.14	
45	Unk	PCB-37	50.00	3.26e+07	1.06 y	30:25	-	1.20	
46	IS	13C-PCB-37	100.00	5.44e+07	1.09 y	30:23	-	1.40	

47	Unk	PCB-54	100.00	6.00e+07	0.78 y	25:40	-	1.24	
48	Unk	PCB-50	100.00	4.43e+07	0.78 y	26:47	-	0.916	
49	Unk	PCB-53	100.00	4.42e+07	0.78 y	27:23	-	0.914	
50	Unk	PCB-51	100.00	4.75e+07	0.78 y	27:43	-	0.982	
51	Unk	PCB-45	100.00	3.83e+07	0.78 y	28:07	-	0.792	
52	Unk	PCB-46	100.00	3.76e+07	0.79 y	28:35	-	0.777	
53	Unk	PCB-52	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 69
54	Unk	PCB-69	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.93e+07	0.78 y	29:08	-	1.23	
56	Unk	PCB-43	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 43
58	Unk	PCB-47	100.00	4.36e+07	0.77 y	29:30	-	0.902	
59	Unk	PCB-48	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 75
60	Unk	PCB-75	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 48
61	Unk	PCB-65	100.00	5.26e+07	0.84 y	29:52	-	1.09	
62	Unk	PCB-62	100.00	5.42e+07	0.71 y	29:58	-	1.12	
63	Unk	PCB-44	100.00	3.55e+07	0.77 y	30:15	-	0.733	
64	Unk	PCB-42	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 59
65	Unk	PCB-59	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 42
66	Unk	PCB-72	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	6.20e+07	0.80 y	31:15	-	1.28	
71	Unk	PCB-40	100.00	3.33e+07	0.76 y	31:28	-	0.688	
72	Unk	PCB-57	100.00	5.47e+07	0.77 y	31:48	-	1.13	
73	Unk	PCB-67	100.00	5.65e+07	0.77 y	32:06	-	1.17	
74	Unk	PCB-58	100.00	5.46e+07	0.79 y	32:12	-	1.13	
75	Unk	PCB-63	100.00	5.48e+07	0.78 y	32:22	-	1.13	
76	Unk	PCB-74	100.00	5.59e+07	0.79 y	32:39	-	1.15	
77	Unk	PCB-61	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 70
78	Unk	PCB-70	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 76
81	Unk	PCB-80	100.00	6.62e+07	0.79 y	33:14	-	1.37	
82	Unk	PCB-55	100.00	5.76e+07	0.77 y	33:32	-	1.19	
83	IS/RT	13C-PCB-54	100.00	4.84e+07	0.82 y	25:39	-	1.24	
84	Unk	PCB-104	100.00	4.36e+07	1.57 y	30:07	-	1.14	
85	Unk	PCB-96	100.00	4.19e+07	1.57 y	31:19	-	1.10	
86	Unk	PCB-103	100.00	3.44e+07	1.55 y	31:49	-	0.902	
87	Unk	PCB-100	100.00	3.47e+07	1.57 y	32:10	-	0.909	
88	Unk	PCB-94	100.00	2.90e+07	1.55 y	32:36	-	0.761	
89	Unk	PCB-98	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 102
90	Unk	PCB-102	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 98
91	Unk	PCB-95	100.00	3.21e+07	1.64 y	33:07	-	0.843	
92	Unk	PCB-93	100.00	2.99e+07	1.62 y	33:12	-	0.784	
93	Unk	PCB-88	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 91
94	Unk	PCB-91	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 88
95	Unk	PCB-121	100.00	3.74e+07	1.60 y	33:34	-	0.982	
96	IS	13C-PCB-104	100.00	3.81e+07	1.60 y	30:06	-	0.980	
97	C/Up	13C-PCB-28	100.00	6.76e+07	1.06 y	26:44	-	1.74	
98	RS	13C-PCB-52	100.00	3.89e+07	0.79 y	29:00	3.89e+05	-	
99	Unk	PCB-56	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.01e+07	0.80 y	35:01	-	1.25		
102	Unk	PCB-78	100.00	5.89e+07	0.80 y	35:41	-	1.23		
103	Unk	PCB-81	100.00	5.89e+07	0.80 y	36:11	-	1.25		
104	IS	13C-PCB-81	100.00	4.69e+07	0.79 y	36:10	-	1.33		
105	Unk	PCB-77	100.00	5.44e+07	0.80 y	36:45	-	1.11		
106	IS/RT	13C-PCB-77	100.00	4.90e+07	0.80 y	36:44	-	1.39		
107	Unk	PCB-155	100.00	4.58e+07	1.27 y	34:17	-	1.10		
108	Unk	PCB-150	100.00	4.32e+07	1.24 y	35:29	-	1.04		
109	Unk	PCB-152	100.00	4.19e+07	1.26 y	35:56	-	1.01		
110	Unk	PCB-145	100.00	4.26e+07	1.26 y	36:21	-	1.02		
111	Unk	PCB-136	100.00	4.14e+07	1.25 y	36:40	-	0.994		
112	Unk	PCB-148	100.00	3.24e+07	1.27 y	36:45	-	0.778		
113	Unk	PCB-154	100.00	3.67e+07	1.25 y	37:13	-	0.881		
114	IS	13C-PCB-155	100.00	4.17e+07	1.29 y	34:16	-	1.18		
115	C/Up	13C-PCB-111	100.00	4.44e+07	1.59 y	36:20	-	1.26		
116	RS	13C-PCB-101	100.00	3.52e+07	1.61 y	34:41	3.52e+05	-		
117	Unk	PCB-84	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 92	
118	Unk	PCB-92	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 84	
119	Unk	PCB-89	100.00	3.53e+07	1.54 y	34:32	-	0.769		
120	Unk	PCB-90	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 101	
121	Unk	PCB-101	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 90	
122	Unk	PCB-113	100.00	4.42e+07	1.54 y	34:56	-	0.962		
123	Unk	PCB-99	100.00	4.31e+07	1.56 y	35:01	-	0.939		
124	Unk	PCB-119	100.00	4.88e+07	1.57 y	35:28	-	1.06		
125	Unk	PCB-83	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 112	
126	Unk	PCB-112	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 83	
127	Unk	PCB-109	100.00	4.77e+07	1.55 y	35:47	-	1.04		
128	Unk	PCB-97	100.00	3.37e+07	1.58 y	35:57	-	0.733		
129	Unk	PCB-86	100.00	3.50e+07	1.52 y	36:06	-	0.761		
130	Unk	PCB-125	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 87/117	
131	Unk	PCB-87	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/117	
132	Unk	PCB-117	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/87	
133	Unk	PCB-111	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 115	
134	Unk	PCB-115	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 111	
135	Unk	PCB-85	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 116	
136	Unk	PCB-116	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 85	
137	Unk	PCB-120	100.00	5.23e+07	1.57 y	36:43	-	1.14		
138	Unk	PCB-110	100.00	4.99e+07	1.56 y	36:50	-	1.09		
139	Unk	PCB-82	100.00	3.01e+07	1.54 y	37:27	-	0.656		
140	Unk	PCB-124	100.00	5.46e+07	1.54 y	38:06	-	1.19		
141	Unk	PCB-108	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 107	
142	Unk	PCB-107	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 108	
143	Unk	PCB-123	100.00	4.79e+07	1.55 y	38:24	-	1.09		
144	IS	13C-PCB-123	100.00	4.41e+07	1.59 y	38:23	-	1.22		
145	Unk	PCB-118	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 106	
146	Unk	PCB-106	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 118	
147	IS	13C-PCB-118	100.00	4.71e+07	1.61 y	38:33	-	1.30		
148	Unk	PCB-114	100.00	5.64e+07	1.54 y	39:10	-	1.21		
149	IS	13C-PCB-114	100.00	4.65e+07	1.60 y	39:10	-	1.29		
150	Unk	PCB-122	100.00	5.20e+07	1.58 y	39:19	-	1.13		
151	Unk	PCB-105	100.00	5.43e+07	1.55 y	40:00	-	1.18		
152	IS	13C-PCB-105	100.00	4.60e+07	1.60 y	39:58	-	1.27		
153	Unk	PCB-127	100.00	5.03e+07	1.56 y	40:18	-	1.10		
154	Unk	PCB-126	100.00	4.81e+07	1.57 y	42:07	-	1.15		
155	IS	13C-PCB-126	100.00	4.19e+07	1.59 y	42:05	-	1.16		

156	Unk	PCB-151	100.00	3.67e+07	1.29 y	37:50	-	0.932	
157	Unk	PCB-135	100.00	3.75e+07	1.26 y	38:03	-	0.954	
158	Unk	PCB-144	100.00	3.77e+07	1.29 y	38:10	-	0.959	
159	Unk	PCB-147	100.00	3.95e+07	1.28 y	38:16	-	1.01	
160	Unk	PCB-139	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 149
161	Unk	PCB-149	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 139
162	Unk	PCB-140	100.00	4.09e+07	1.27 y	38:42	-	1.04	
163	Unk	PCB-143	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.50e+07	1.25 y	39:33	-	0.889	
168	Unk	PCB-165	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 165
170	Unk	PCB-161	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 132
171	Unk	PCB-132	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.41e+07	1.27 y	40:08	-	1.12	
173	Unk	PCB-168	100.00	4.92e+07	1.27 y	40:20	-	1.25	
174	Unk	PCB-141	100.00	3.82e+07	1.25 y	40:51	-	0.971	
175	Unk	PCB-137	100.00	4.00e+07	1.24 y	41:12	-	1.02	
176	Unk	PCB-130	100.00	3.21e+07	1.27 y	41:17	-	0.815	
177	Unk	PCB-138	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 158
182	Unk	PCB-129	100.00	3.27e+07	1.26 y	42:07	-	0.832	
183	Unk	PCB-166	100.00	4.80e+07	1.26 y	42:33	-	1.22	
184	Unk	PCB-159	100.00	5.03e+07	1.25 y	42:51	-	1.28	
185	Unk	PCB-128	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 162
186	Unk	PCB-162	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.84e+07	1.26 y	43:29	-	1.19	
188	IS	13C-PCB-167	100.00	4.08e+07	1.29 y	43:29	-	1.13	
189	Unk	PCB-156	100.00	4.78e+07	1.26 y	44:43	-	1.21	
190	IS	13C-PCB-156	100.00	3.94e+07	1.27 y	44:41	-	1.09	
191	Unk	PCB-157	100.00	4.71e+07	1.27 y	44:58	-	1.19	
192	IS	13C-PCB-157	100.00	3.95e+07	1.27 y	44:58	-	1.09	
193	Unk	PCB-169	100.00	4.21e+07	1.26 y	46:48	-	1.12	
194	IS	13C-PCB-169	100.00	3.77e+07	1.28 y	46:48	-	1.04	
195	Unk	PCB-188	100.00	4.20e+07	1.05 y	39:47	-	1.09	
196	IS	13C-PCB-188	100.00	3.84e+07	1.08 y	39:47	-	1.06	

197	Unk	PCB-184	100.00	4.50e+07	1.06 y	40:13	-	1.27	
198	Unk	PCB-179	100.00	4.22e+07	1.05 y	40:57	-	1.20	
199	Unk	PCB-176	100.00	4.07e+07	1.04 y	41:24	-	1.15	
200	Unk	PCB-186	100.00	4.16e+07	1.04 y	41:58	-	1.18	
201	Unk	PCB-178	100.00	2.98e+07	1.05 y	42:25	-	0.843	
202	Unk	PCB-175	100.00	3.12e+07	1.05 y	42:44	-	0.885	
203	Unk	PCB-187	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 182
204	Unk	PCB-182	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 187
205	Unk	PCB-183	100.00	3.32e+07	1.05 y	43:12	-	0.941	
206	Unk	PCB-185	100.00	3.06e+07	1.06 y	43:50	-	0.867	
207	Unk	PCB-174	100.00	2.80e+07	1.03 y	44:12	-	0.794	
208	Unk	PCB-181	100.00	3.29e+07	1.07 y	44:17	-	0.932	
209	Unk	PCB-177	100.00	2.89e+07	1.06 y	44:26	-	0.817	
210	Unk	PCB-171	100.00	3.08e+07	1.05 y	44:43	-	0.873	
211	Unk	PCB-173	100.00	2.69e+07	1.04 y	45:08	-	0.763	
212	Unk	PCB-172	100.00	2.82e+07	1.05 y	45:31	-	0.798	
213	Unk	PCB-192	100.00	3.75e+07	1.05 y	45:41	-	1.06	
214	Unk	PCB-180	100.00	2.90e+07	1.04 y	45:52	-	0.821	
215	Unk	PCB-193	100.00	4.00e+07	1.08 y	46:02	-	1.13	
216	Unk	PCB-191	100.00	4.01e+07	1.07 y	46:13	-	1.14	
217	Unk	PCB-170	100.00	2.76e+07	1.07 y	47:08	-	0.783	
218	Unk	PCB-190	100.00	3.72e+07	1.07 y	47:18	-	1.05	
219	Unk	PCB-189	100.00	3.50e+07	1.04 y	48:28	-	1.09	
220	IS	13C-PCB-189	100.00	3.22e+07	1.09 y	48:28	-	0.890	
221	Unk	PCB-202	150.00	4.54e+07	0.93 y	44:54	-	1.11	
222	Unk	PCB-201	150.00	4.90e+07	0.96 y	45:21	-	1.20	
223	Unk	PCB-204	150.00	4.89e+07	0.91 y	45:29	-	1.20	
224	Unk	PCB-197	150.00	5.19e+07	0.93 y	45:45	-	1.27	
225	Unk	PCB-200	150.00	5.06e+07	0.94 y	46:30	-	1.24	
226	Unk	PCB-198	150.00	3.70e+07	0.94 y	47:39	-	0.904	
227	Unk	PCB-199	150.00	3.43e+07	0.96 y	47:44	-	0.838	
228	Unk	PCB-203	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 196
229	Unk	PCB-196	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	2.72e+07	0.93 y	44:53	-	0.753	
231	C/Up	13C-PCB-178	100.00	2.91e+07	1.06 y	42:25	-	0.804	
232	RS	13C-PCB-138	100.00	3.62e+07	1.30 y	41:37	3.62e+05	-	
233	Unk	PCB-195	150.00	4.83e+07	0.89 y	49:04	-	0.885	
234	Unk	PCB-194	150.00	4.73e+07	0.90 y	49:52	-	0.866	
235	Unk	PCB-205	150.00	5.92e+07	0.90 y	50:07	-	1.08	
236	IS	13C-PCB-205	100.00	3.64e+07	0.88 y	50:06	-	1.26	
237	Unk	PCB-208	150.00	5.99e+07	1.35 y	49:12	-	1.08	
238	IS	13C-PCB-208	100.00	3.69e+07	0.81 y	49:11	-	1.27	
239	Unk	PCB-207	150.00	5.82e+07	1.36 y	49:30	-	1.25	
240	Unk	PCB-206	150.00	4.18e+07	1.34 y	51:19	-	1.11	
241	IS	13C-PCB-206	100.00	2.51e+07	0.79 y	51:18	-	0.866	
242	Unk	PCB-209	150.00	5.23e+07	1.19 y	52:30	-	1.19	
243	IS	13C-PCB-209	100.00	2.92e+07	1.21 y	52:28	-	1.01	
244	RS	13C-PCB-194	100.00	2.90e+07	0.90 y	49:52	2.90e+05	-	

Analyst: _____ Date: 11/10/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	50.9	37.5 - 62.5
PCB-3	M/M+2	3.17	2.66-3.60	y	49.3	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	42.7	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	54.2	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	55.8	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	52.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	102	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	107	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	107	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	97.9	75.0 - 125
PCB-126	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	96.9	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	110	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	107	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	104	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.5	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	162	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	160	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	159	112.5 - 187.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

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	98.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	93.4	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	99.2	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	88.4	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	88.4	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	85.3	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	98.5	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	86.4	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	85.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	96.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	99.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	99.4	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	96.2	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	94.1	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	107	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	91.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	90.0	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	91.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	89.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	92.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	78.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	95.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	92.4	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	91.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	100	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	99.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	104	75.0 - 125

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

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.96e+07	3.20 y	14:32	1.21	50.9		2.50	-	-	*	-
13C-PCB-1	6.42e+07	3.20 y	14:31	0.90	98.9		2.50				98.9
PCB-3	3.80e+07	3.17 y	16:58	1.23	49.3		2.50	-	-	*	-
13C-PCB-3	6.27e+07	3.23 y	16:57	0.93	93.4		2.50				93.4
PCB-4	2.30e+07	1.47 y	18:14	1.14	42.7		2.50	-	-	*	-
13C-PCB-4	4.72e+07	1.57 y	18:12	0.66	99.2		2.50				99.2
PCB-15	4.10e+07	1.53 y	23:45	1.09	54.2		2.50	-	-	*	-
13C-PCB-15	6.93e+07	1.60 y	23:44	1.09	88.4		2.50				88.4
PCB-19	2.18e+07	1.10 y	22:08	1.21	55.8		2.50	-	-	*	-
13C-PCB-19	3.22e+07	1.08 y	22:06	0.50	88.4		2.50				88.4
13C-PCB-9	7.22e+07	1.56 y	19:53	-	70.8		2.50				
PCB-37	3.26e+07	1.06 y	30:25	1.14	52.3		2.50	-	-	*	-
13C-PCB-37	5.44e+07	1.09 y	30:23	1.64	85.3		2.50				85.3
PCB-54	6.00e+07	0.78 y	25:40	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.84e+07	0.82 y	25:39	1.26	98.5		2.50				98.5
PCB-104	4.36e+07	1.57 y	30:07	1.12	102		2.50	-	-	*	-
13C-PCB-104	3.81e+07	1.60 y	30:06	1.02	96.0		2.50				96.0
13C-PCB-28	6.76e+07	1.06 y	26:44	1.73	100		2.50				100
13C-PCB-52	3.89e+07	0.79 y	29:00	-	73.2		2.50				
PCB-81	5.89e+07	0.80 y	36:11	1.13	111		2.50	-	-	*	-
13C-PCB-81	4.69e+07	0.79 y	36:10	1.57	85.0		2.50				85.0
PCB-77	5.44e+07	0.80 y	36:45	1.10	101		2.50	-	-	*	-
13C-PCB-77	4.90e+07	0.80 y	36:44	1.61	86.4		2.50				86.4
PCB-155	4.58e+07	1.27 y	34:17	1.13	96.9		2.50	-	-	*	-
13C-PCB-155	4.17e+07	1.29 y	34:16	1.10	107		2.50				107
13C-PCB-111	4.44e+07	1.59 y	36:20	1.27	99.3		2.50				99.3
13C-PCB-101	3.52e+07	1.61 y	34:41	-	73.8		2.50				
PCB-123	4.79e+07	1.55 y	38:24	1.11	97.9		2.50	-	-	*	-
13C-PCB-123	4.41e+07	1.59 y	38:23	1.28	95.0		2.50				95.0
PCB-118	1.07e+08	1.54 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	4.71e+07	1.61 y	38:33	1.35	96.2		2.50				96.2
PCB-114	5.64e+07	1.54 y	39:10	1.13	107		2.50	-	-	*	-
13C-PCB-114	4.65e+07	1.60 y	39:10	1.29	99.4		2.50				99.4
PCB-105	5.43e+07	1.55 y	39:60	1.10	107		2.50	-	-	*	-
13C-PCB-105	4.60e+07	1.60 y	39:58	1.28	99.2		2.50				99.2
PCB-126	4.81e+07	1.57 y	42:07	1.08	106		2.50	-	-	*	-
13C-PCB-126	4.19e+07	1.59 y	42:05	1.23	94.1		2.50				94.1
PCB-167	4.84e+07	1.26 y	43:29	1.11	107		2.50	-	-	*	-
13C-PCB-167	4.08e+07	1.29 y	43:29	1.23	91.8		2.50				91.8
PCB-156	4.78e+07	1.26 y	44:43	1.13	108		2.50	-	-	*	-
13C-PCB-156	3.94e+07	1.27 y	44:41	1.19	91.6		2.50				91.6
PCB-157	4.71e+07	1.27 y	44:58	1.08	110		2.50	-	-	*	-
13C-PCB-157	3.95e+07	1.27 y	44:58	1.21	90.0		2.50				90.0
PCB-169	4.21e+07	1.26 y	46:48	1.08	104		2.50	-	-	*	-
13C-PCB-169	3.77e+07	1.28 y	46:48	1.17	89.0		2.50				89.0
PCB-188	4.20e+07	1.05 y	39:47	1.10	99.5		2.50	-	-	*	-
13C-PCB-188	3.84e+07	1.08 y	39:47	1.13	94.2		2.50				94.2
PCB-189	3.50e+07	1.04 y	48:28	1.07	102		2.50	-	-	*	-
13C-PCB-189	3.22e+07	1.09 y	48:28	0.97	92.2		2.50				92.2
PCB-202	4.54e+07	0.93 y	44:54	1.03	162		2.50	-	-	*	-
13C-PCB-202	2.72e+07	0.93 y	44:53	0.96	78.8		2.50				78.8
13C-PCB-178	2.91e+07	1.06 y	42:25	0.78	104		2.50				104
13C-PCB-138	3.62e+07	1.30 y	41:37	-	75.2		2.50				

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.92e+07	0.90	y	50:07	1.09	150	2.50	-	-	*	-
13C-PCB-205	3.64e+07	0.88	y	50:06	1.32	95.4	2.50				95.4
PCB-208	5.99e+07	1.35	y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	3.69e+07	0.81	y	49:11	1.38	92.6	2.50				92.6
PCB-206	4.18e+07	1.34	y	51:19	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79	y	51:18	0.94	92.4	2.50				92.4
PCB-209	5.23e+07	1.19	y	52:30	1.13	159	2.50	-	-	*	-
13C-PCB-209	2.92e+07	1.21	y	52:28	1.10	91.4	2.50				91.4
13C-PCB-194	2.90e+07	0.90	y	49:52	-	76.1	2.50				

Analyst: _____ Date: 11/10/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	53.8	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	53.7	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	53.9	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	52.7	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	53.6	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	51.6	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	101	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	105	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	105	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	104	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	201	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	99.3	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	103	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	105	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	99.6	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	107	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	98.5	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	161	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	149	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	150	112.5 - 187.5

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	83.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	86.9	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	105	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	84.6	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	94.8	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	97.5	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	95.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	105	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	104	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	110	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	88.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	102	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	106	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	100	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	107	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	84.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	105	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	73.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	107	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	108	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	90.0	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	94.3	75.0 - 125

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

FAL ID: ST11102022 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-20 1 of 2
Client ID: CS209 200406A ConCal: ST11102021 EndCal: ST11102022
Results: 13416-12 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.23	53.8		2.50	-	-	*	
13C-PCB-1	4.90e+07	3.27 y	14:32	0.89	83.9		2.50				83.9
PCB-3	3.23e+07	3.23 y	16:60	1.21	53.7		2.50	-	-	*	
13C-PCB-3	4.96e+07	3.32 y	16:59	0.87	86.9		2.50				86.9
PCB-4	2.27e+07	1.45 y	18:15	0.97	53.9		2.50	-	-	*	
13C-PCB-4	4.33e+07	1.61 y	18:14	0.65	101		2.50				101
PCB-15	4.14e+07	1.55 y	23:46	1.18	52.7		2.50	-	-	*	
13C-PCB-15	6.64e+07	1.61 y	23:45	0.96	105		2.50				105
PCB-19	1.80e+07	1.10 y	22:09	1.35	53.6		2.50	-	-	*	
13C-PCB-19	2.48e+07	1.14 y	22:07	0.45	84.6		2.50				84.6
13C-PCB-9	6.58e+07	1.60 y	19:54	-	91.0		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.20	51.6		2.50	-	-	*	
13C-PCB-37	4.68e+07	1.06 y	30:23	1.40	94.8		2.50				94.8
PCB-54	5.37e+07	0.78 y	25:40	1.24	101		2.50	-	-	*	
13C-PCB-54	4.28e+07	0.80 y	25:39	1.24	97.5		2.50				97.5
PCB-104	3.89e+07	1.58 y	30:07	1.14	103		2.50	-	-	*	
13C-PCB-104	3.32e+07	1.56 y	30:06	0.98	95.9		2.50				95.9
13C-PCB-28	5.53e+07	1.04 y	26:43	1.74	90.0		2.50				90.0
13C-PCB-52	3.53e+07	0.78 y	28:60	-	90.8		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.25	105		2.50	-	-	*	
13C-PCB-81	4.88e+07	0.79 y	36:11	1.33	114		2.50				114
PCB-77	5.99e+07	0.82 y	36:45	1.11	105		2.50	-	-	*	
13C-PCB-77	5.14e+07	0.81 y	36:44	1.39	115		2.50				115
PCB-155	3.87e+07	1.28 y	34:17	1.10	105		2.50	-	-	*	
13C-PCB-155	3.35e+07	1.33 y	34:16	1.18	88.0		2.50				88.0
13C-PCB-111	4.14e+07	1.61 y	36:20	1.26	102		2.50				102
13C-PCB-101	3.21e+07	1.61 y	34:42	-	91.3		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.09	99.3		2.50	-	-	*	
13C-PCB-123	4.66e+07	1.58 y	38:22	1.22	104		2.50				104
PCB-118	1.13e+08	1.58 y	38:36	1.13	201		2.50	-	-	*	
13C-PCB-118	5.00e+07	1.60 y	38:32	1.30	104		2.50				104
PCB-114	6.11e+07	1.58 y	39:12	1.21	104		2.50	-	-	*	
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.18	103		2.50	-	-	*	
13C-PCB-105	4.89e+07	1.61 y	39:58	1.27	105		2.50				105
PCB-126	5.57e+07	1.59 y	42:06	1.15	103		2.50	-	-	*	
13C-PCB-126	4.69e+07	1.60 y	42:06	1.16	110		2.50				110
PCB-167	4.96e+07	1.26 y	43:29	1.19	101		2.50	-	-	*	
13C-PCB-167	4.15e+07	1.28 y	43:29	1.13	100		2.50				100
PCB-156	4.96e+07	1.25 y	44:43	1.21	99.6		2.50	-	-	*	
13C-PCB-156	4.10e+07	1.25 y	44:41	1.09	102		2.50				102
PCB-157	5.26e+07	1.24 y	44:58	1.19	103		2.50	-	-	*	
13C-PCB-157	4.28e+07	1.30 y	44:58	1.09	106		2.50				106
PCB-169	4.90e+07	1.28 y	46:49	1.12	107		2.50	-	-	*	
13C-PCB-169	4.11e+07	1.27 y	46:48	1.04	107		2.50				107
PCB-188	3.90e+07	1.07 y	39:46	1.09	108		2.50	-	-	*	
13C-PCB-188	3.30e+07	1.12 y	39:46	1.06	84.5		2.50				84.5
PCB-189	3.69e+07	1.04 y	48:28	1.09	98.5		2.50	-	-	*	
13C-PCB-189	3.45e+07	1.04 y	48:28	0.89	105		2.50				105
PCB-202	3.63e+07	0.96 y	44:54	1.11	161		2.50	-	-	*	
13C-PCB-202	2.03e+07	0.95 y	44:53	0.75	73.4		2.50				73.4
13C-PCB-178	2.79e+07	1.09 y	42:24	0.80	94.3		2.50				94.3
13C-PCB-138	3.68e+07	1.27 y	41:37	-	102		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-202 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92	y	50:07	1.08	159	2.50	-	-	*	
13C-PCB-205	3.72e+07	0.89	y	50:07	1.26	107	2.50				107
PCB-208	6.56e+07	1.36	y	49:12	1.08	150	2.50	-	-	*	
13C-PCB-208	4.05e+07	0.81	y	49:12	1.27	115	2.50				115
PCB-206	4.66e+07	1.33	y	51:19	1.11	149	2.50	-	-	*	
13C-PCB-206	2.81e+07	0.80	y	51:18	0.87	118	2.50				118
PCB-209	5.37e+07	1.18	y	52:29	1.19	150	2.50	-	-	*	
13C-PCB-209	3.00e+07	1.20	y	52:29	1.01	108	2.50				108
13C-PCB-194	2.76e+07	0.88	y	49:52	-	95.1	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

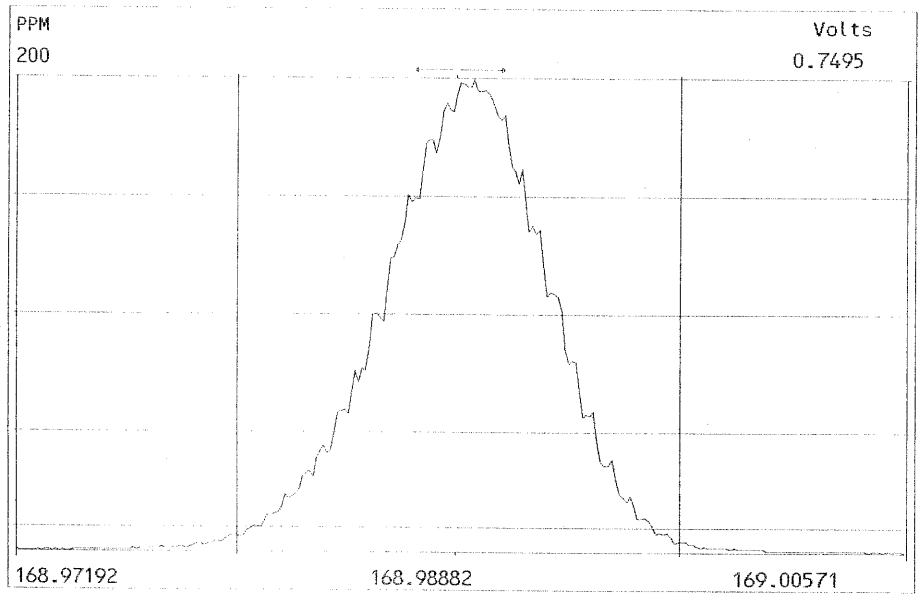
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

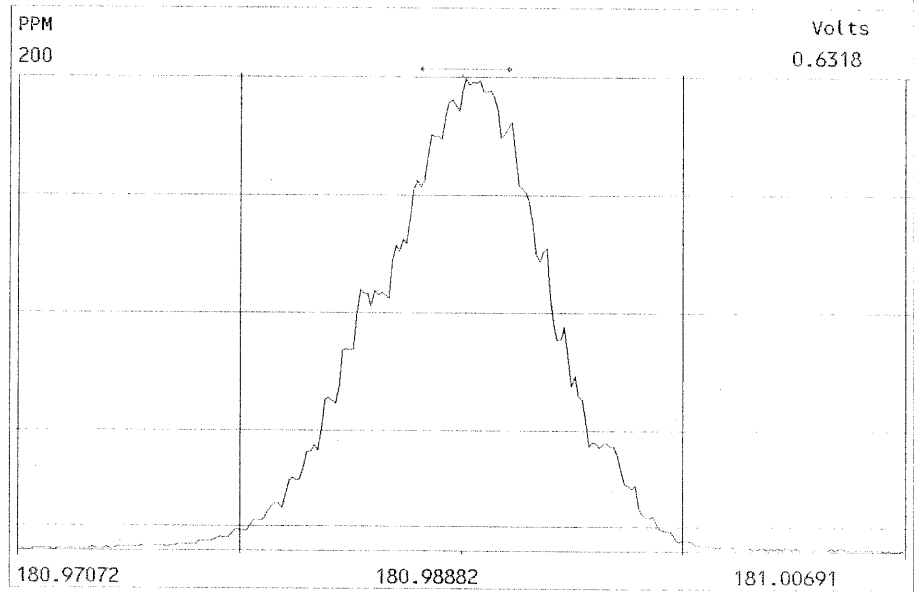
8 11/11/20

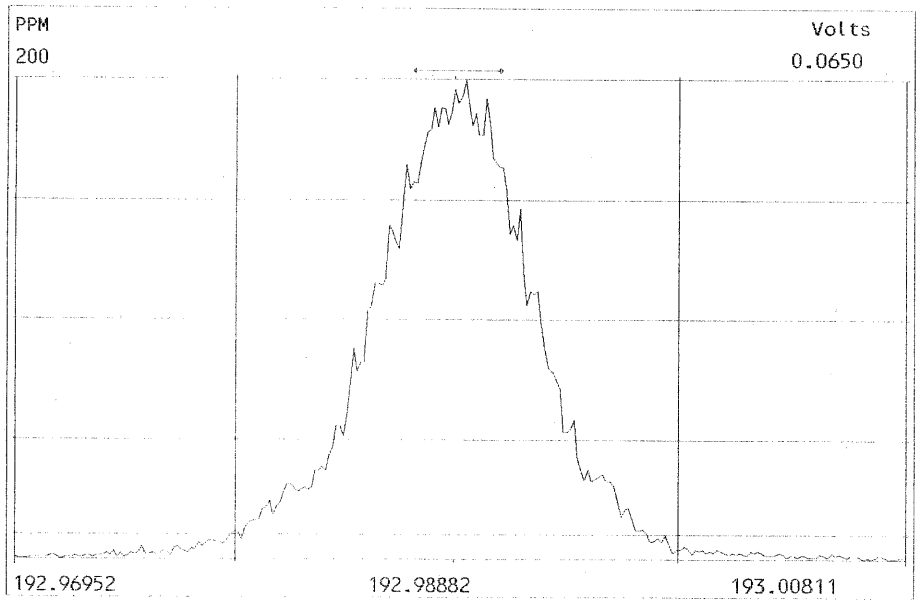
Data Backed Up:_____

Date:_____

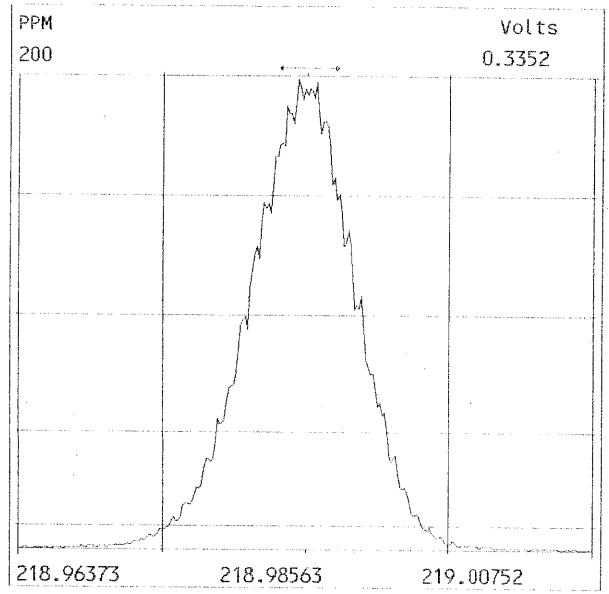
Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

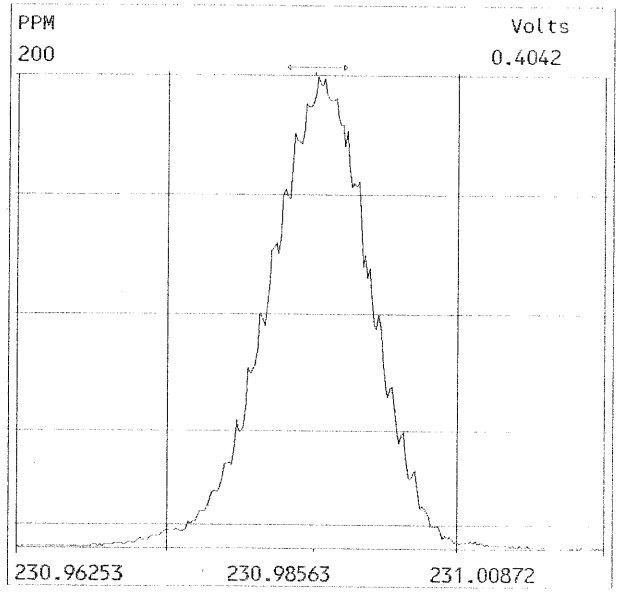


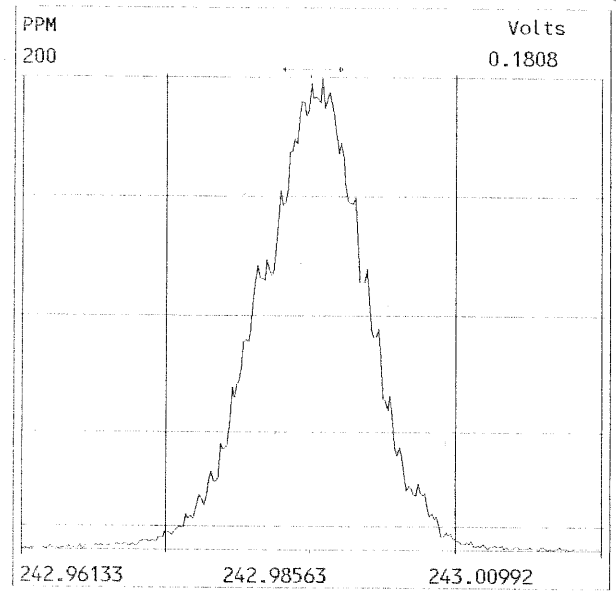


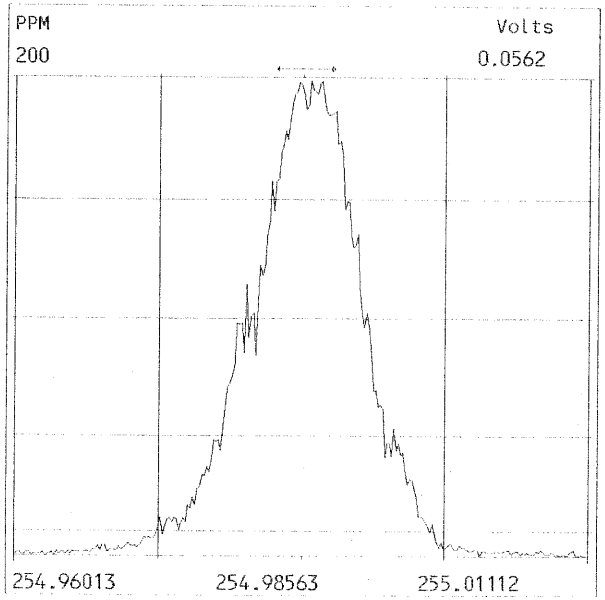


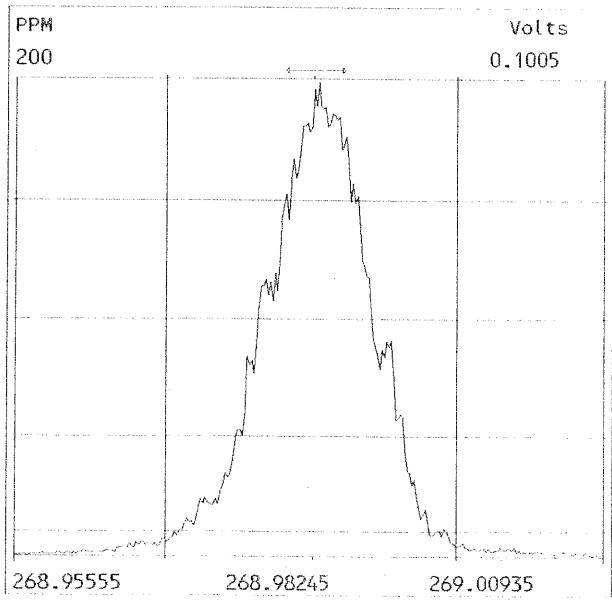
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

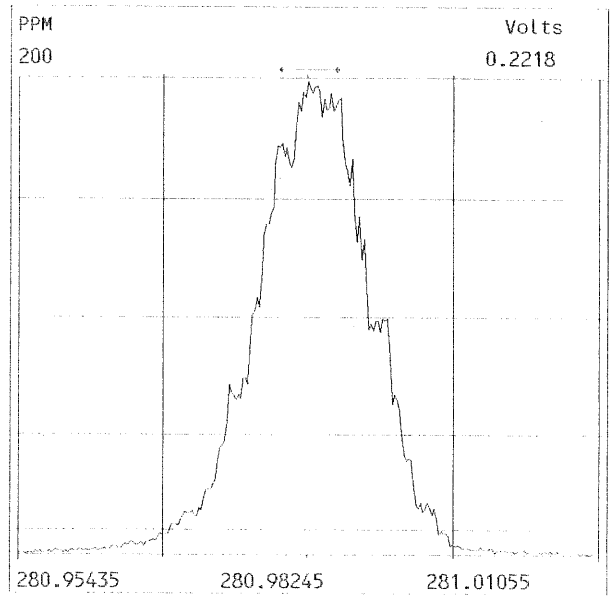




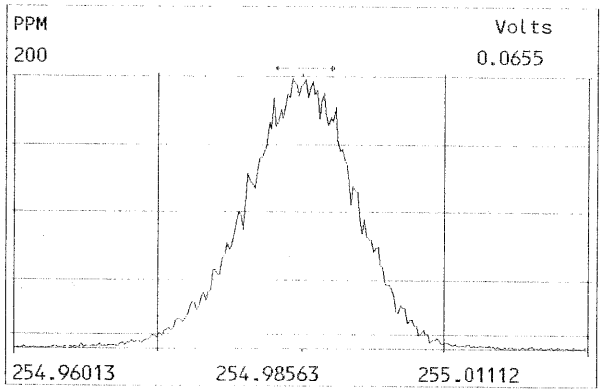


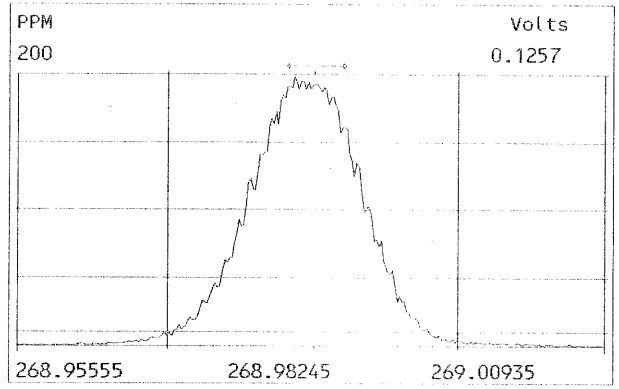


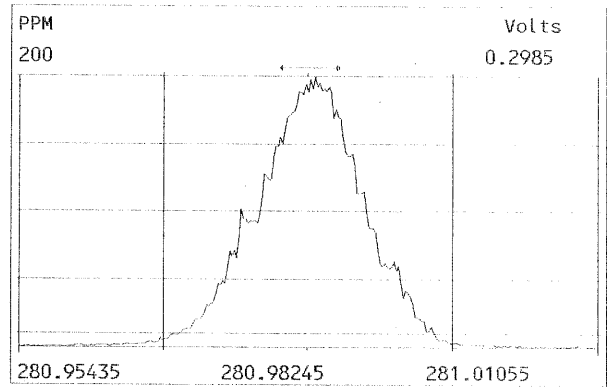


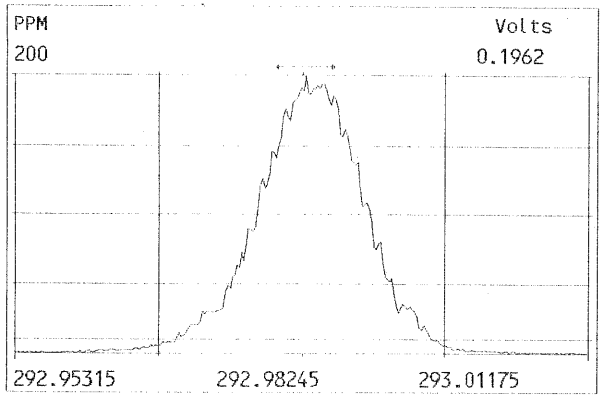


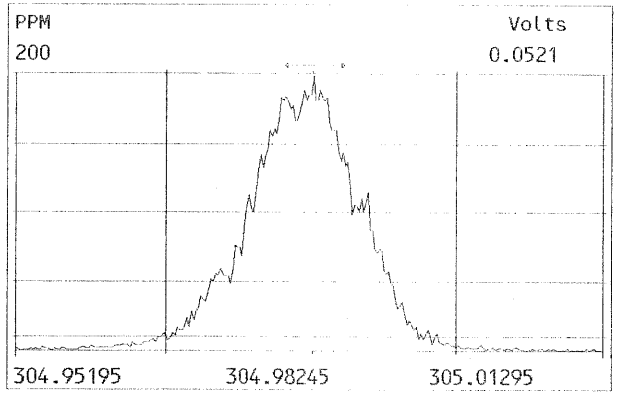
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

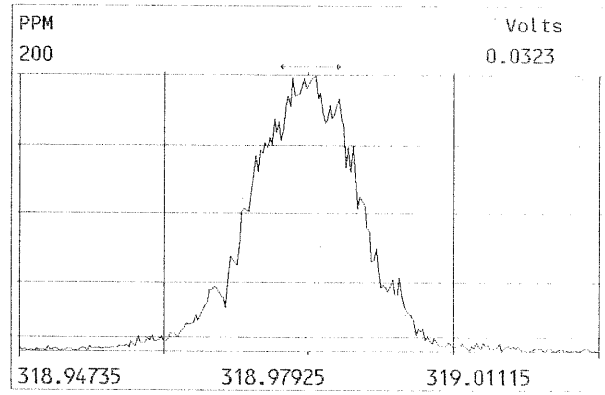


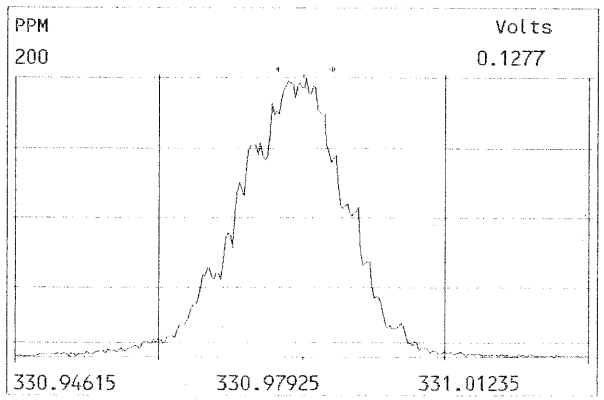


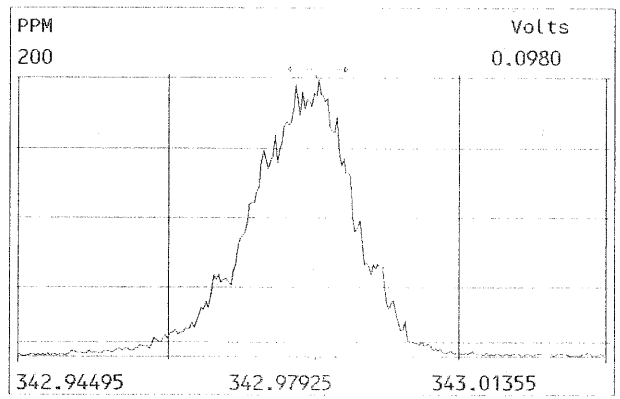




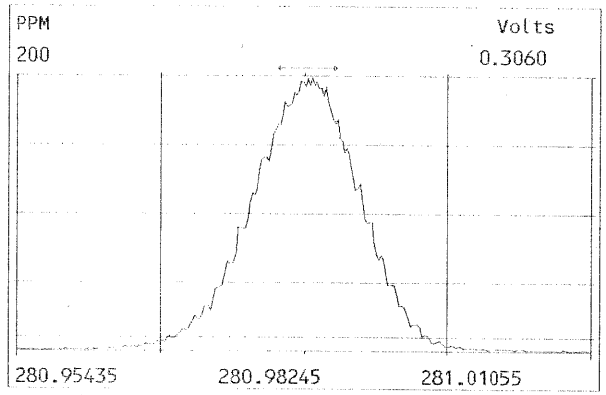


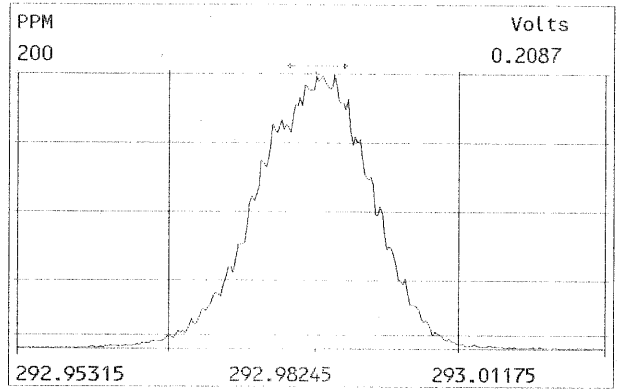


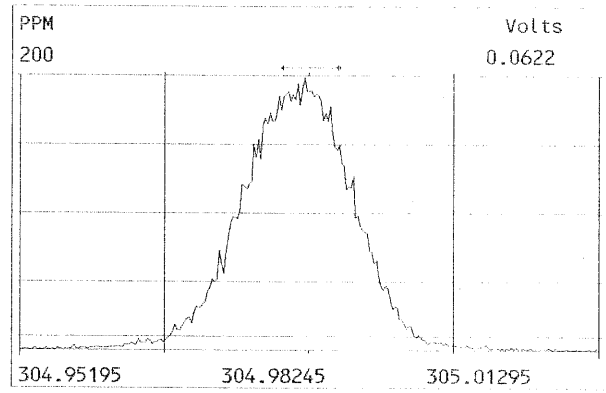


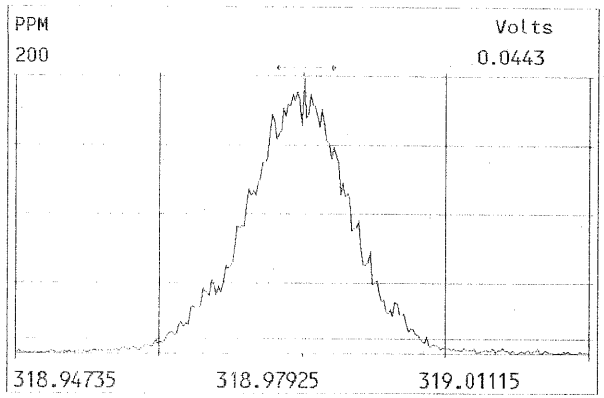


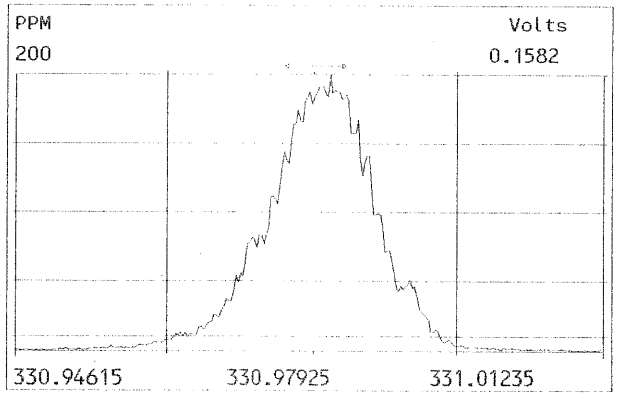
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

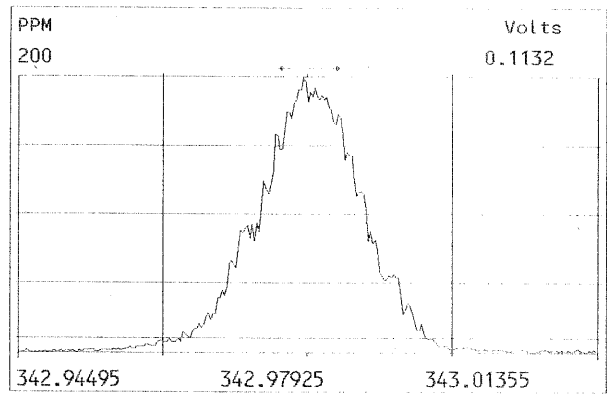


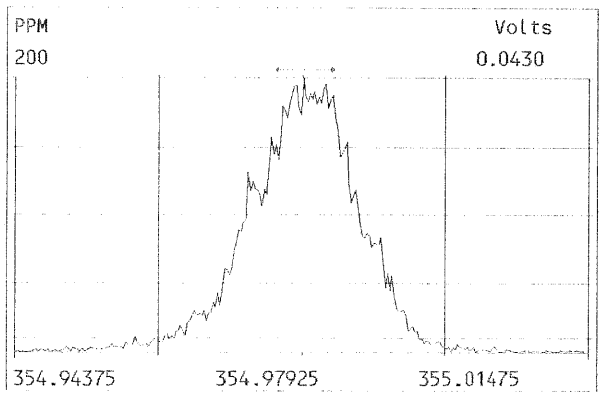


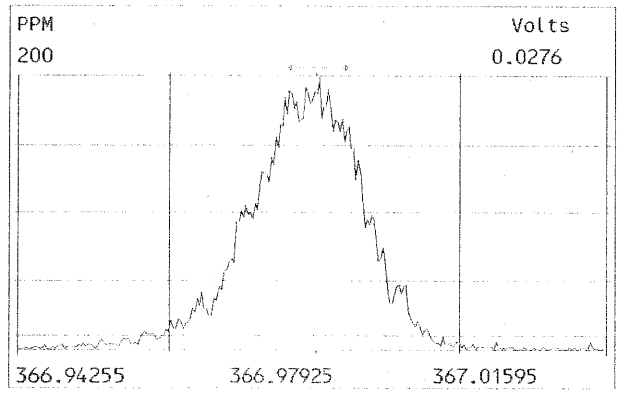


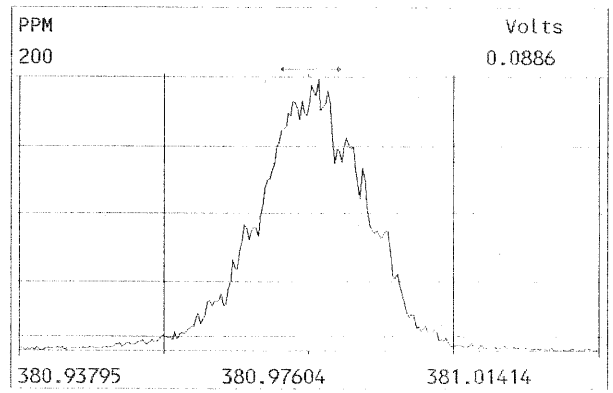






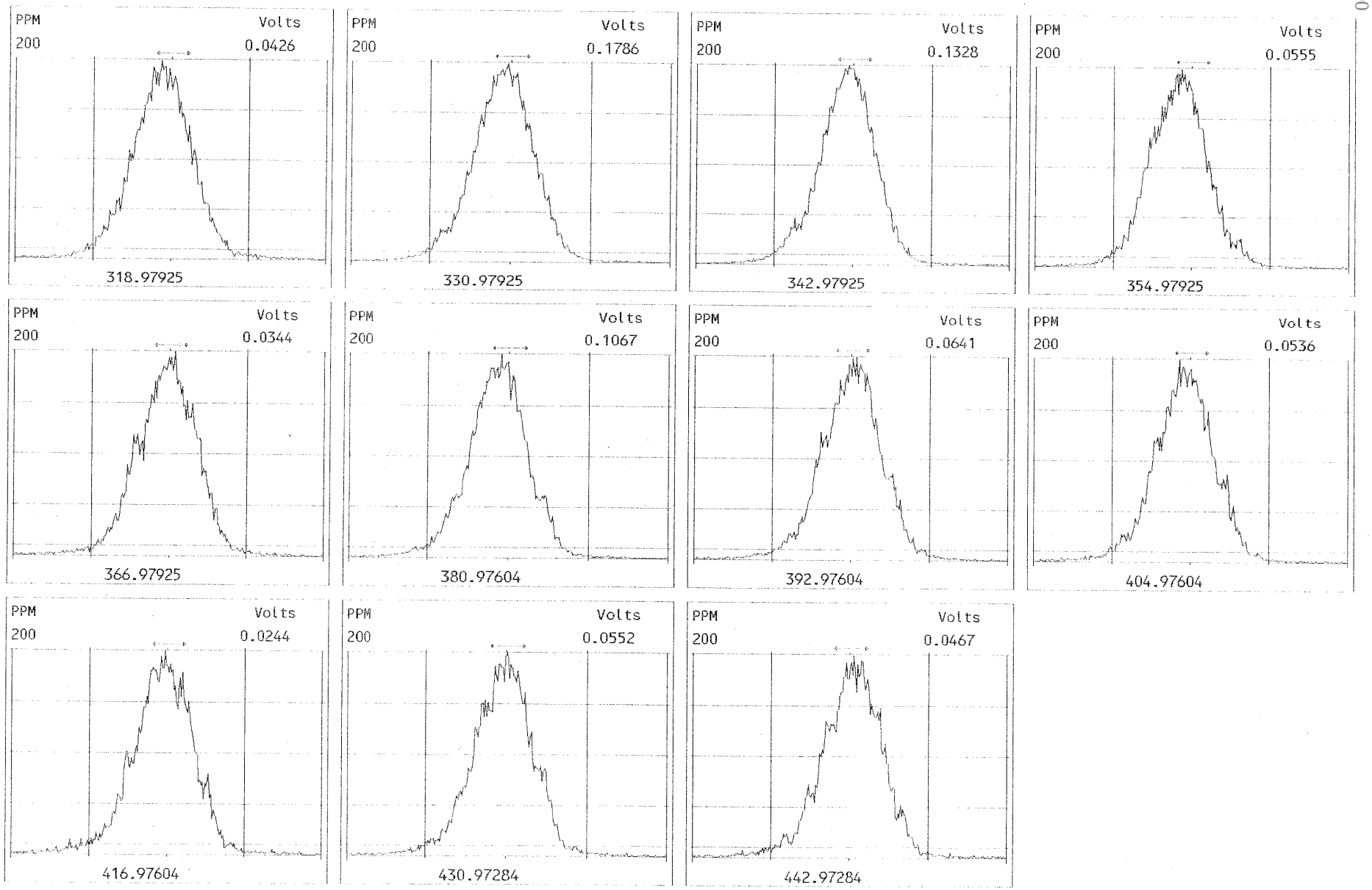




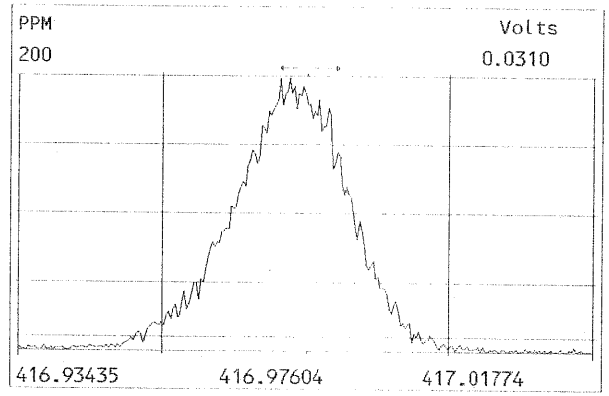


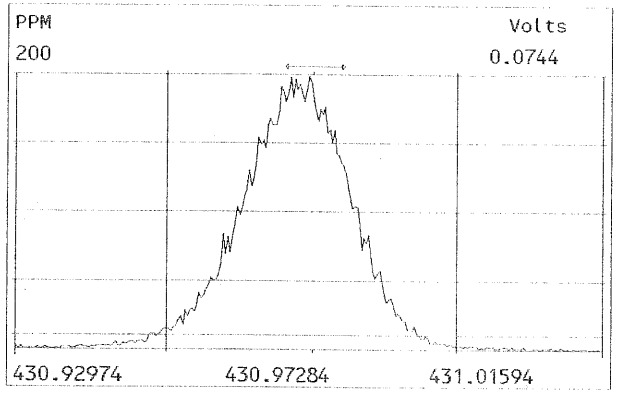
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

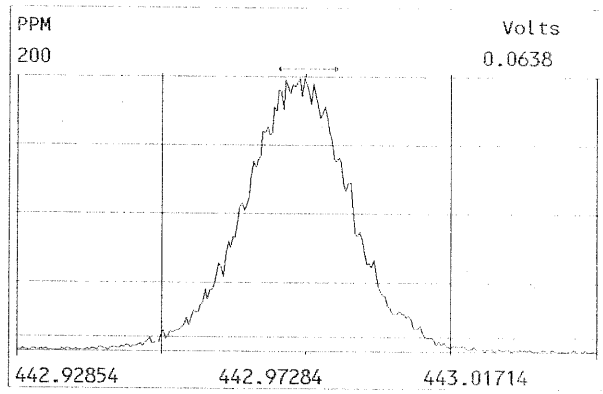
Experiment:1668PCB Function:5 Reference:PFK

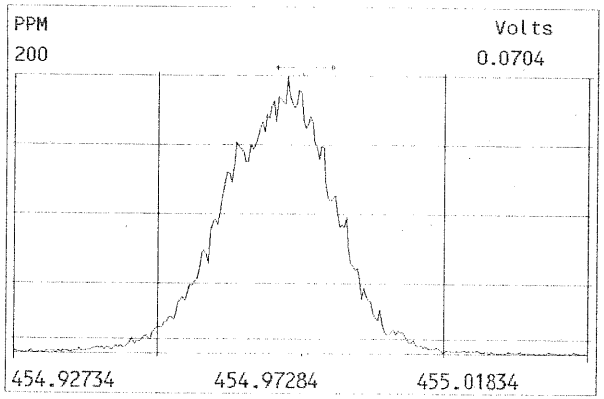


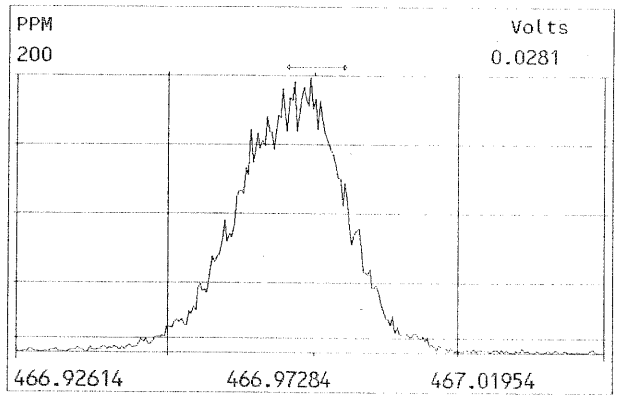
Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z
Experiment:1668PCB Function:6 Reference:PFK

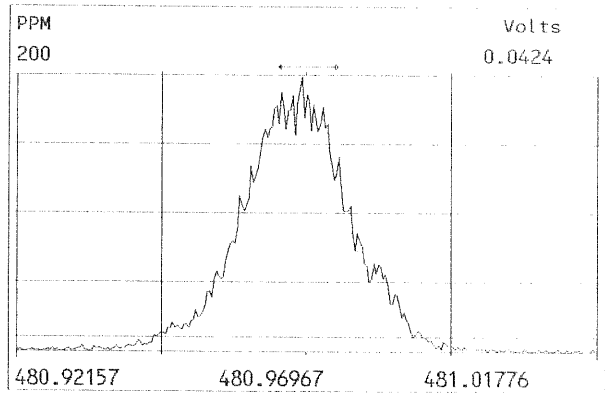


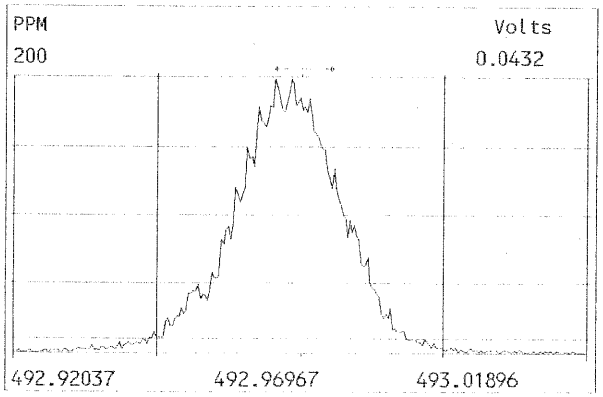


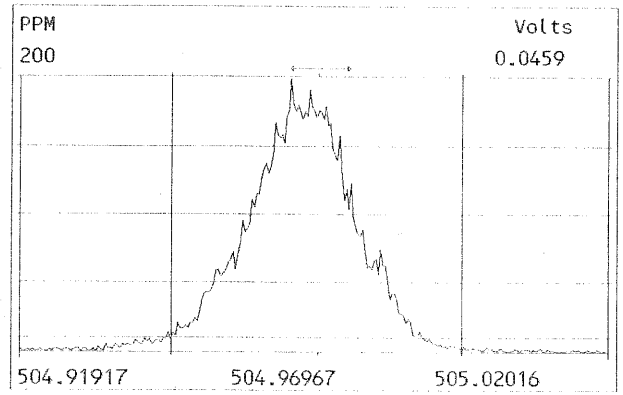


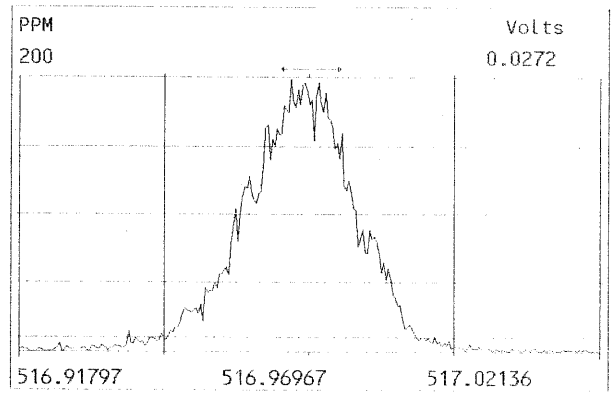




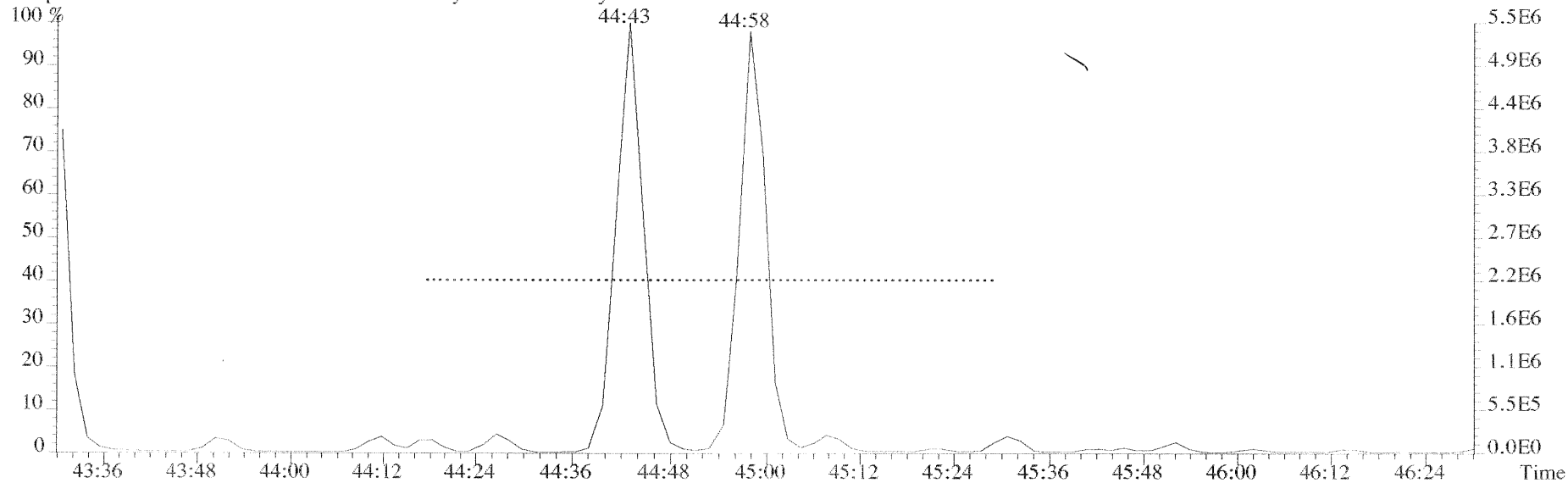








File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



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373.8788 F:5 Exp:1668PCB
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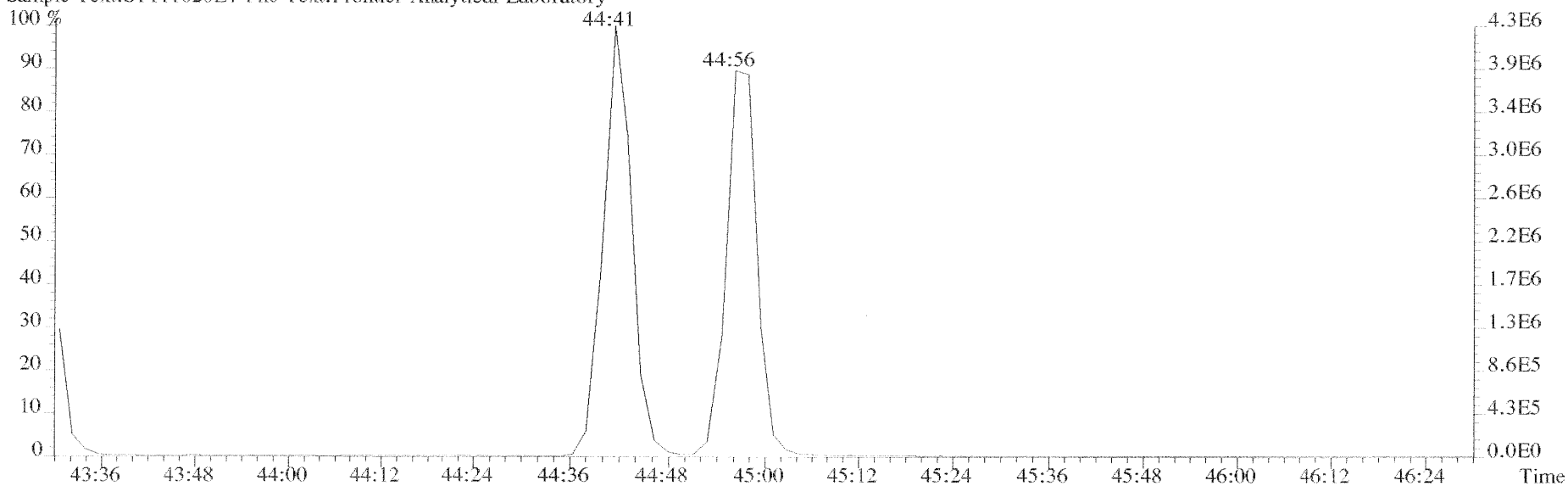
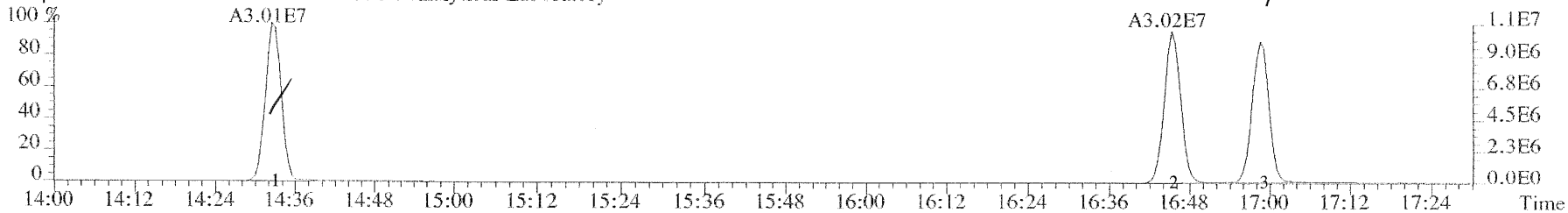
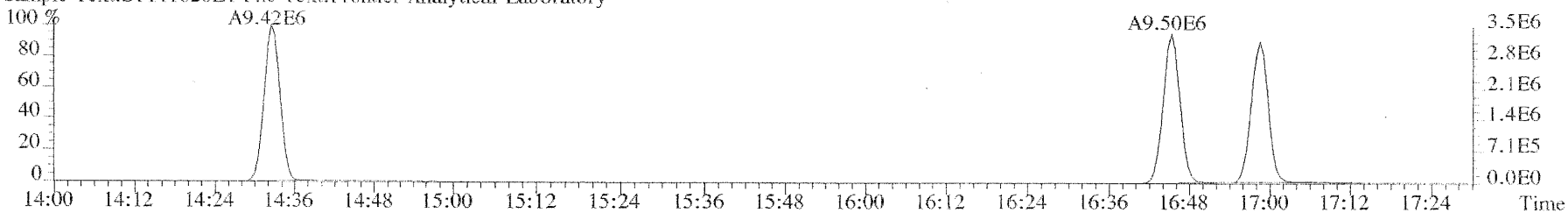


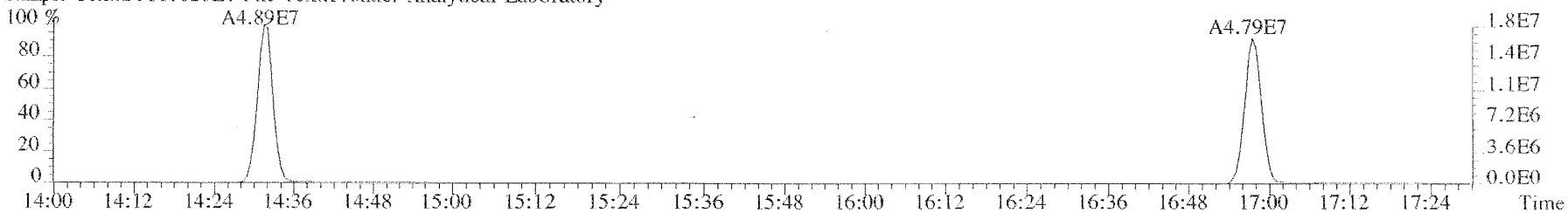
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



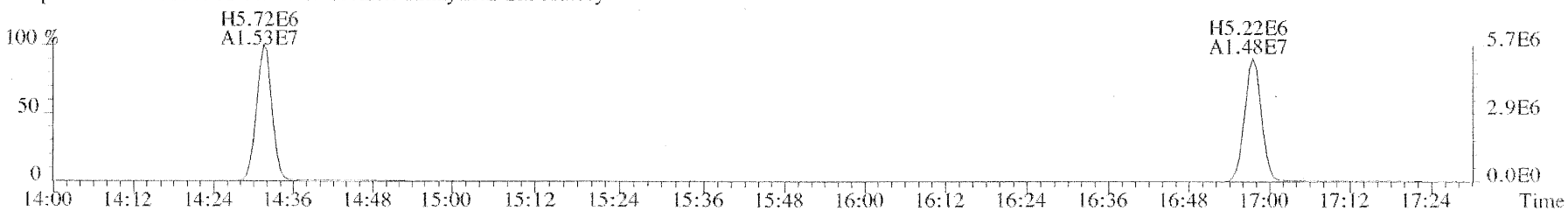
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



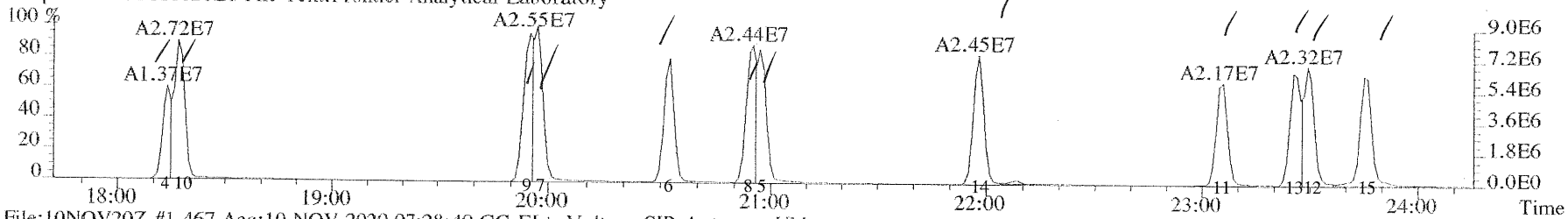
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



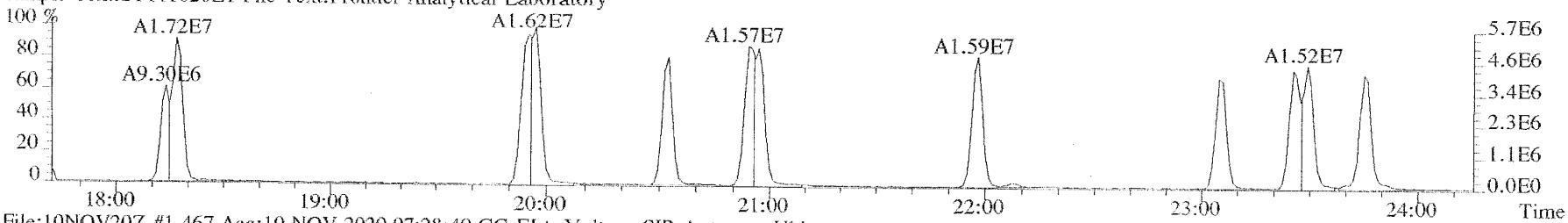
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



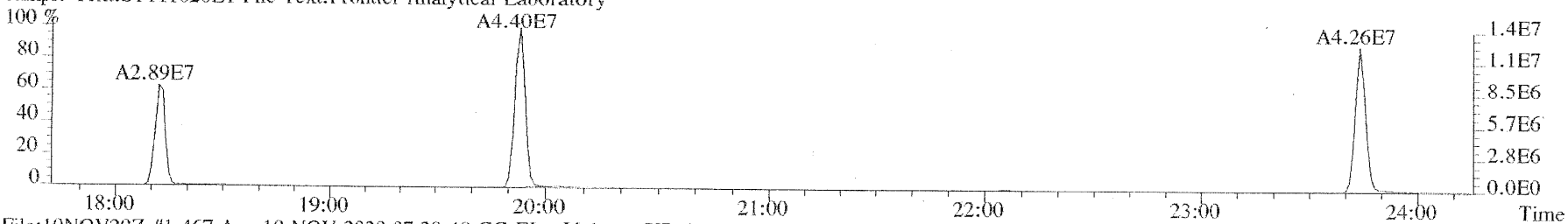
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



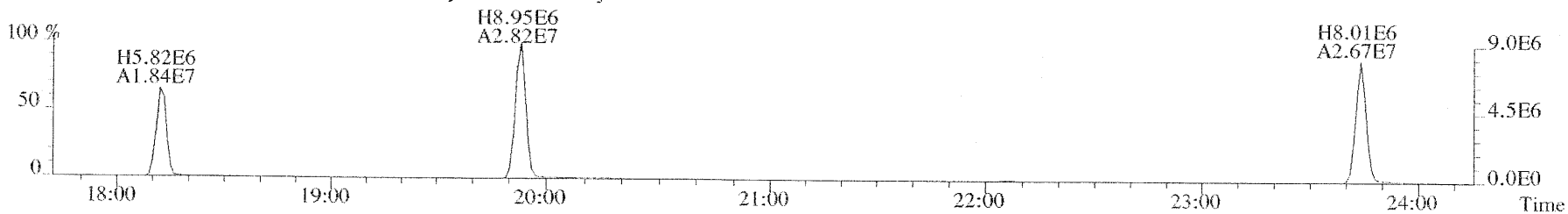
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



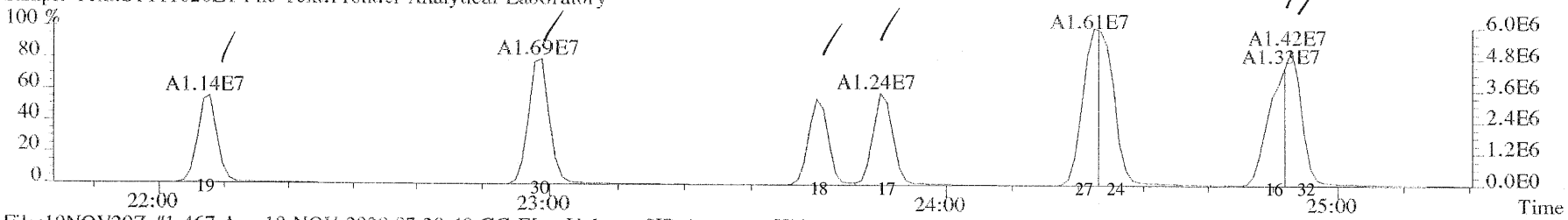
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



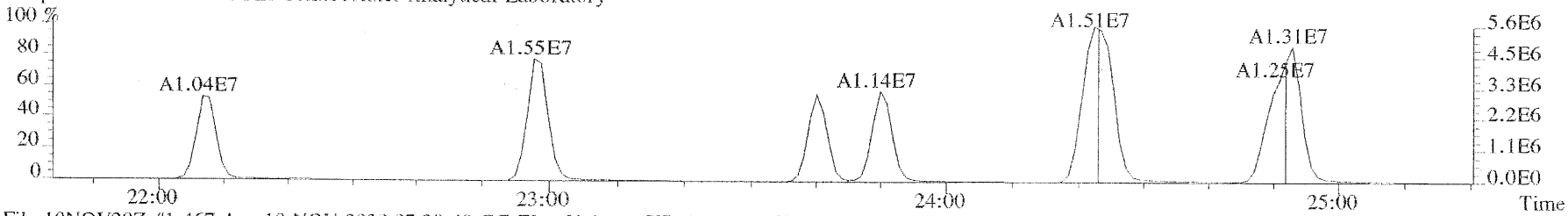
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



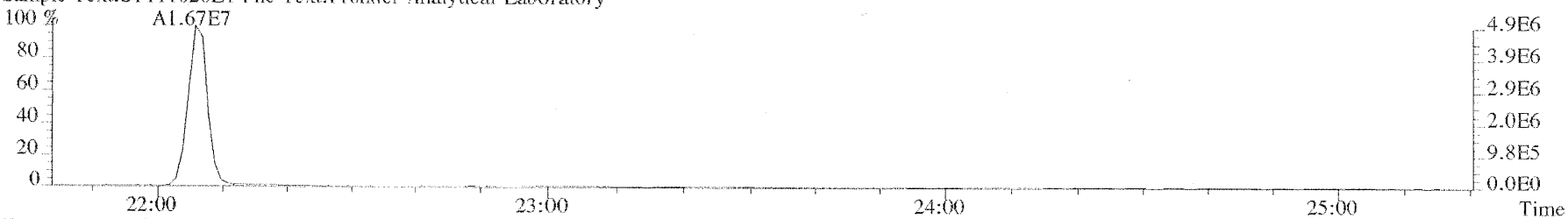
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



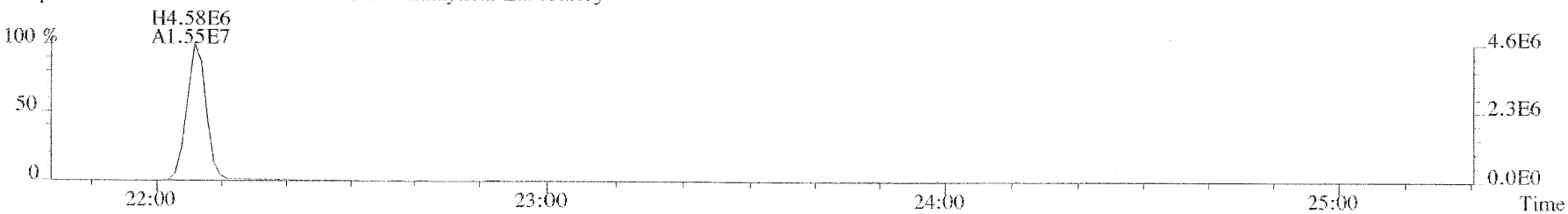
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



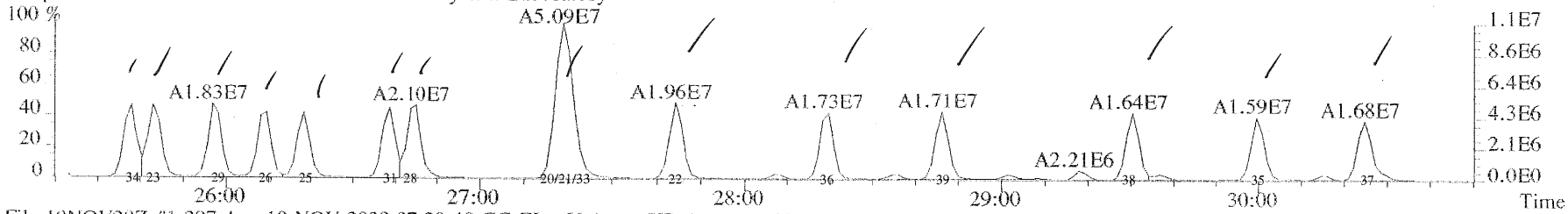
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



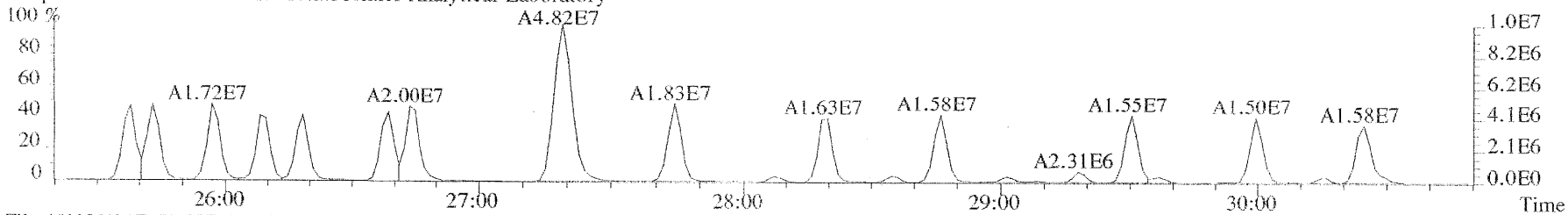
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



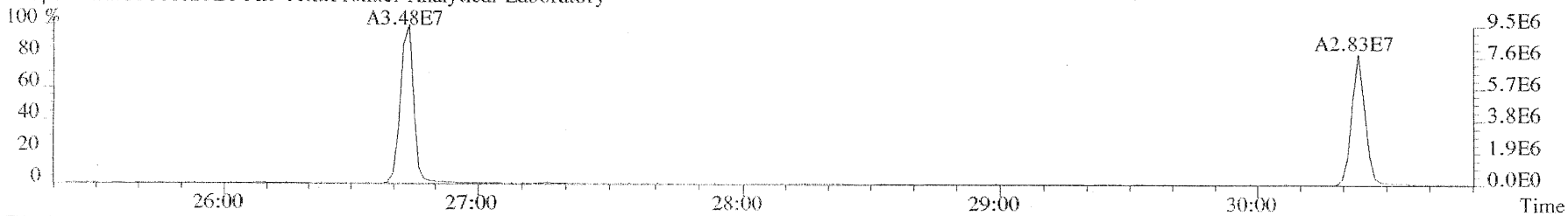
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



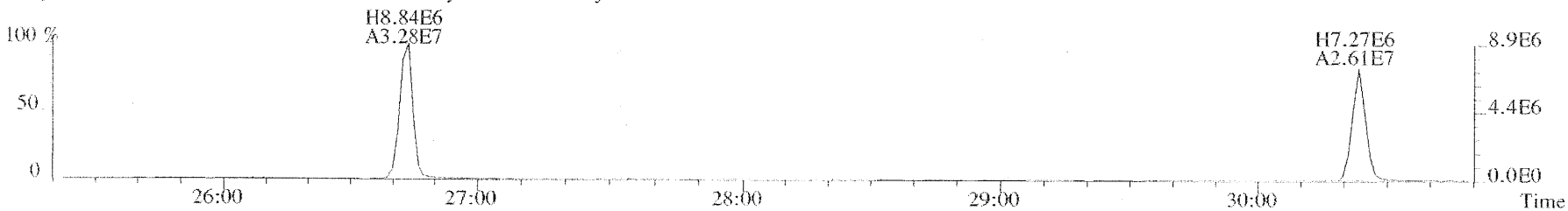
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



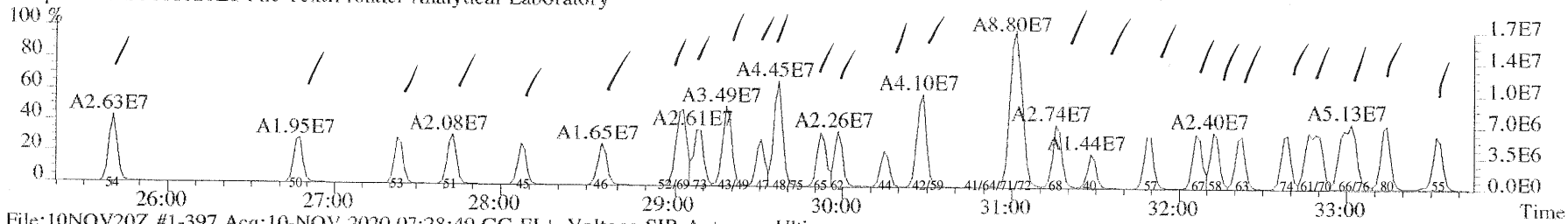
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



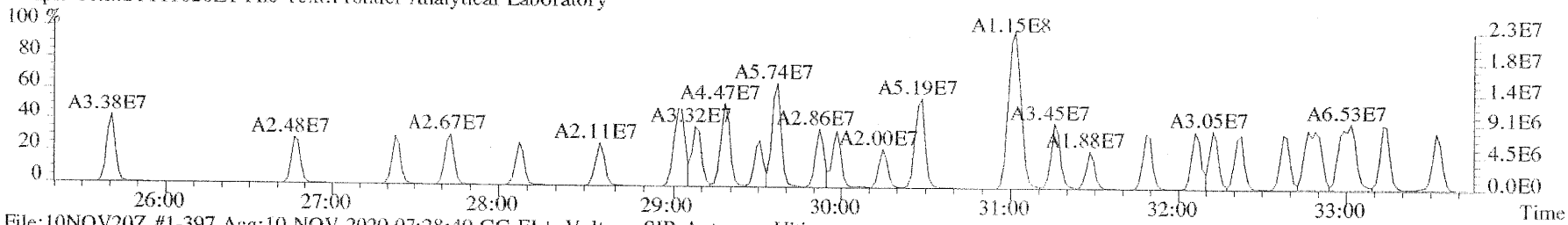
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



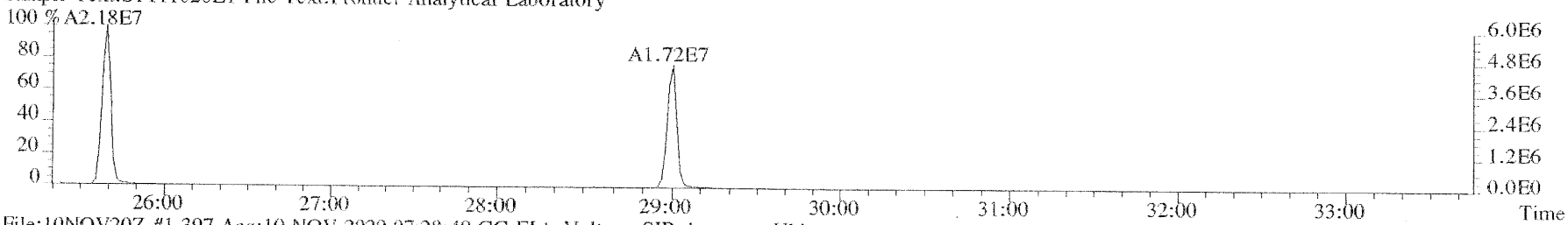
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



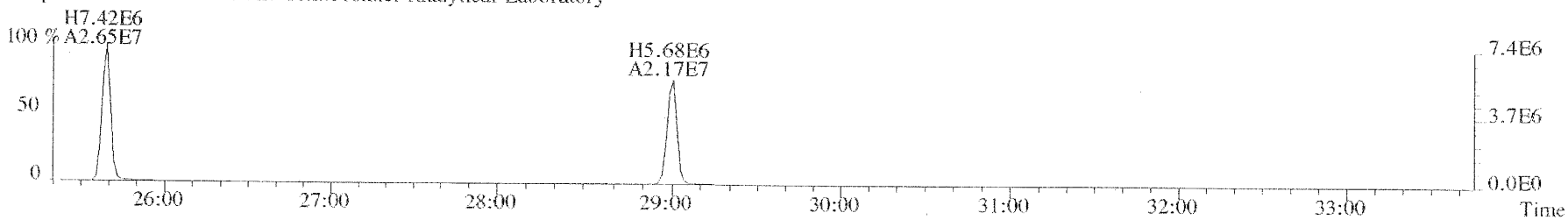
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



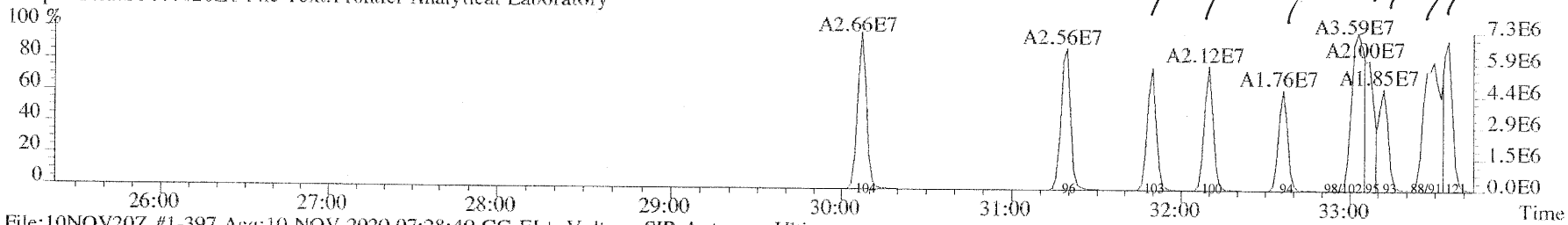
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



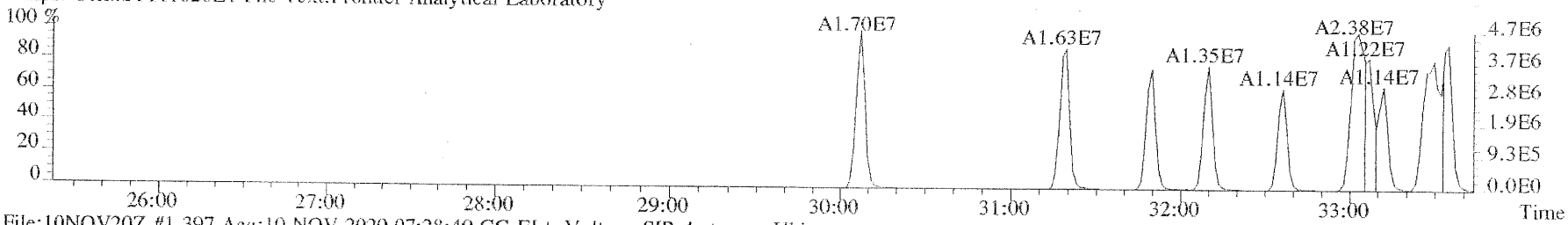
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



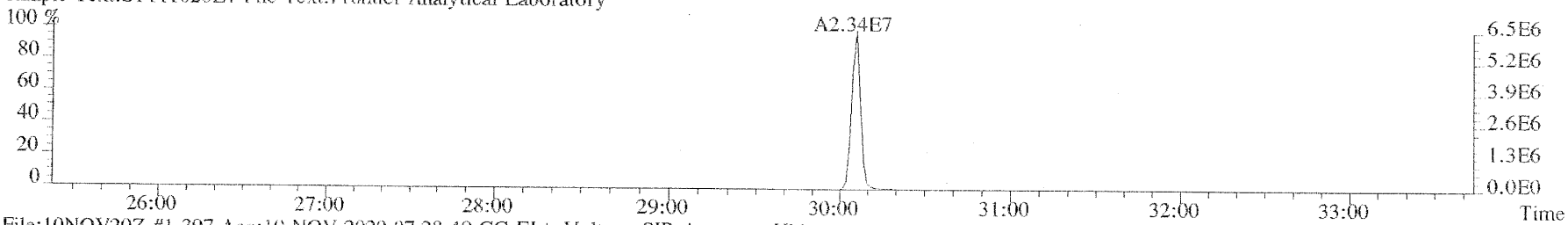
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



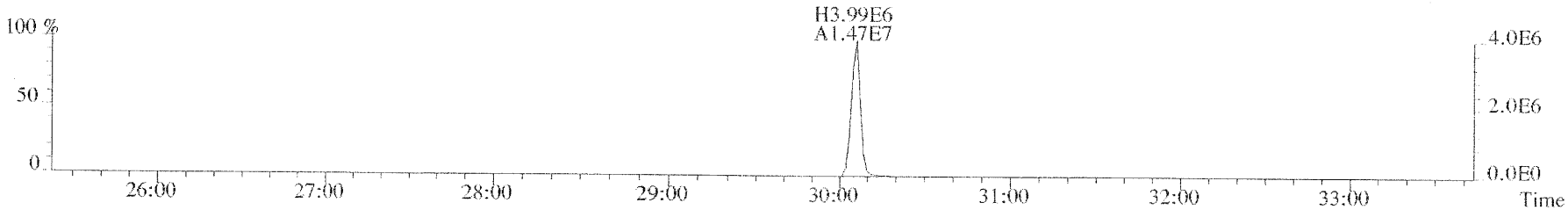
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



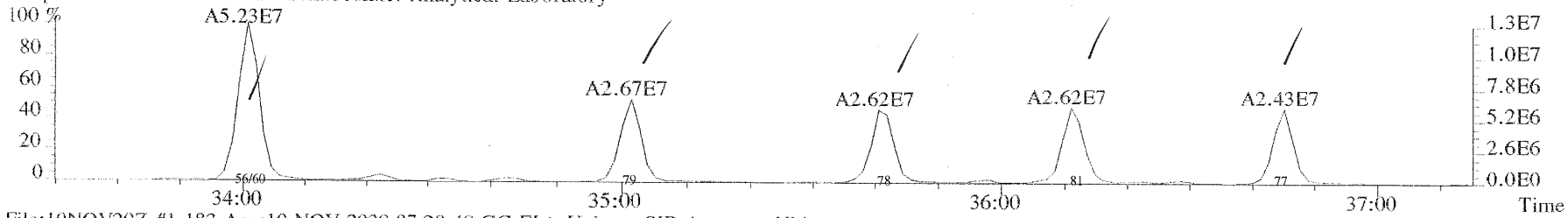
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



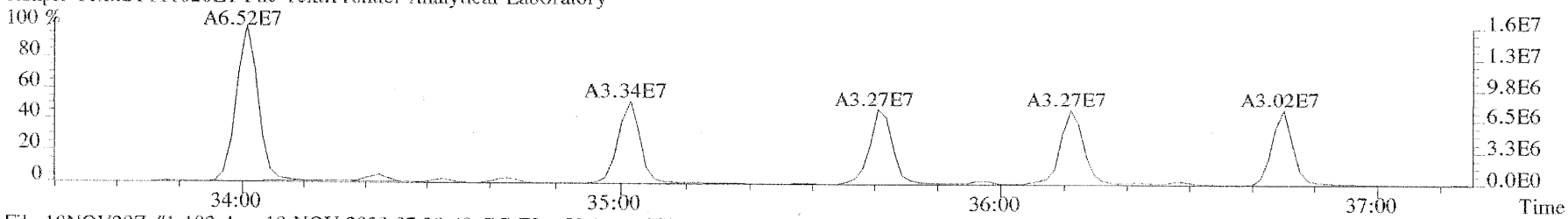
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



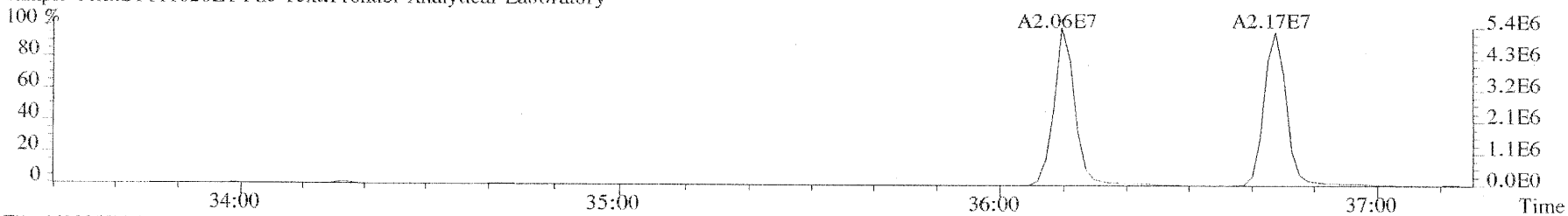
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



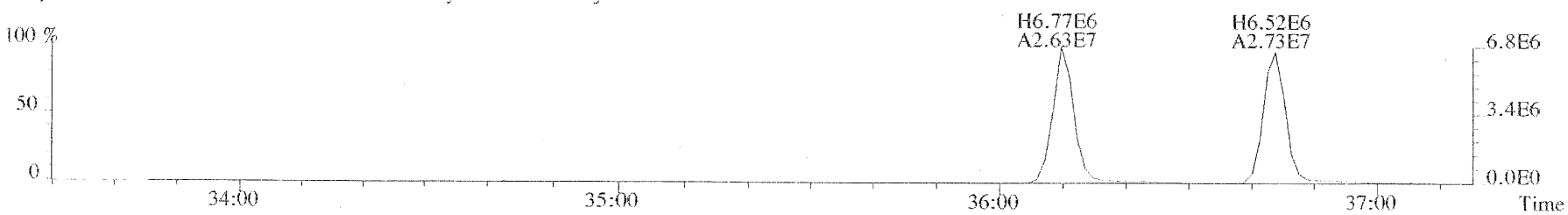
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



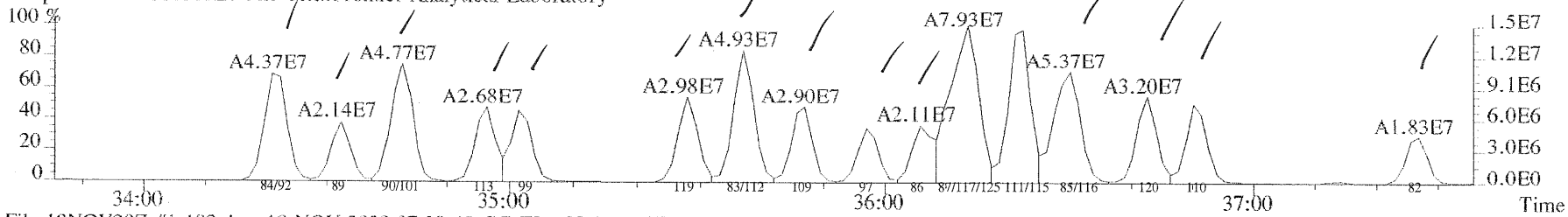
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



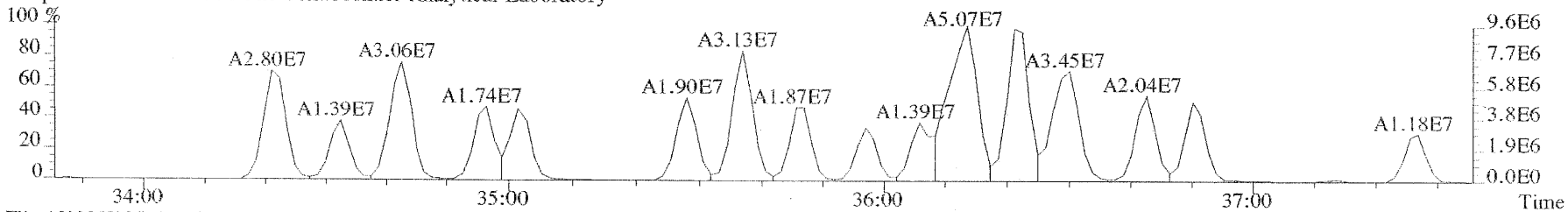
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



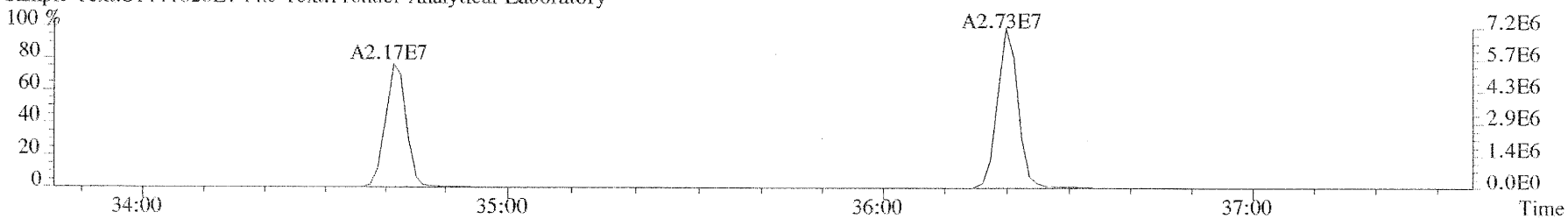
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



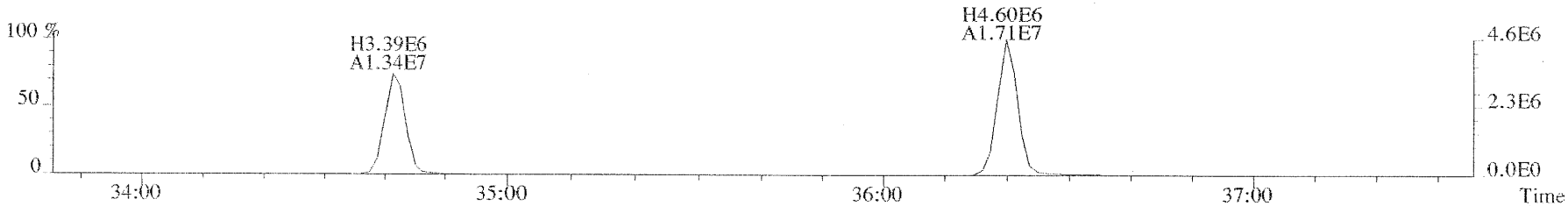
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



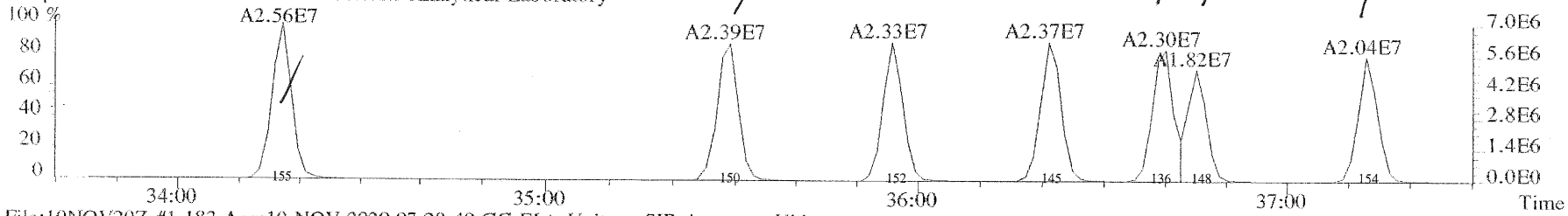
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



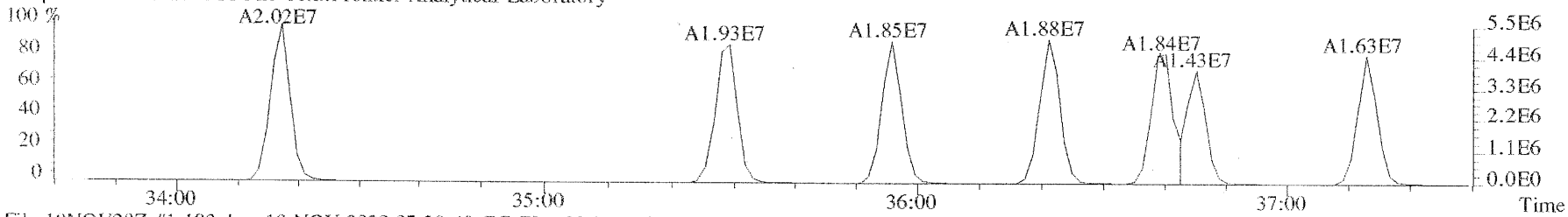
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



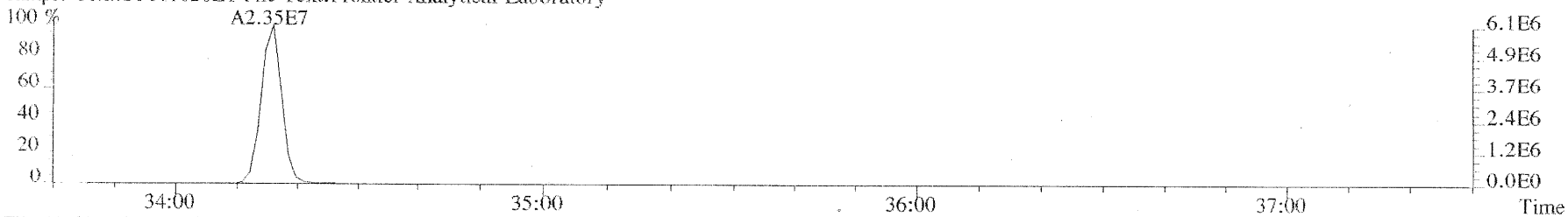
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



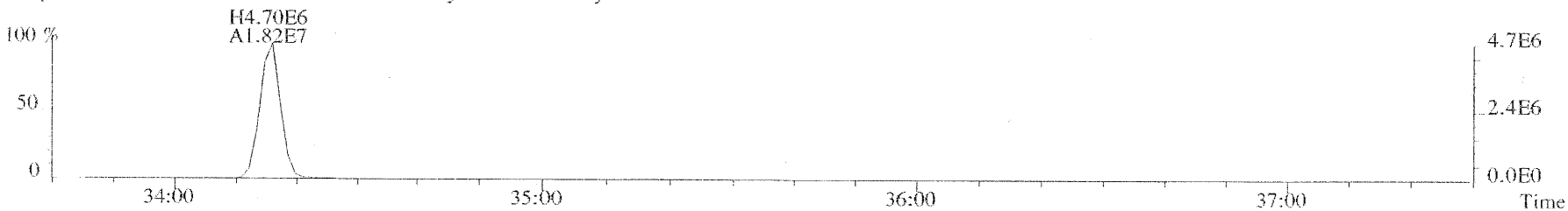
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



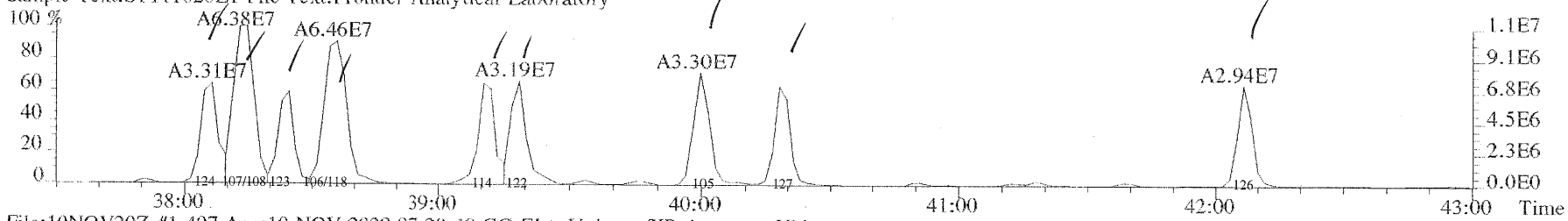
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



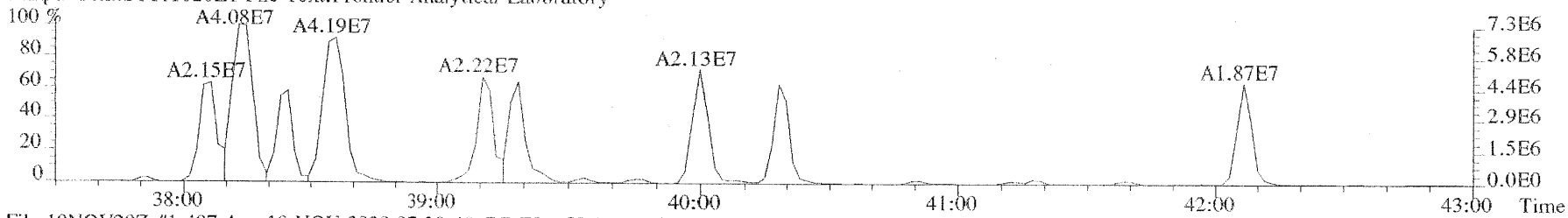
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



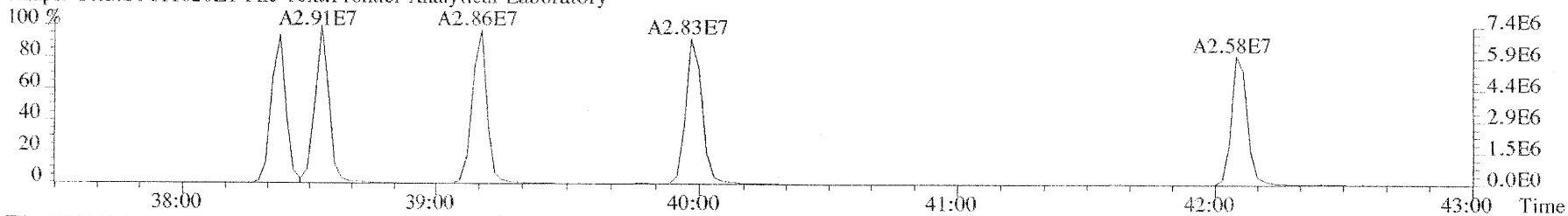
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



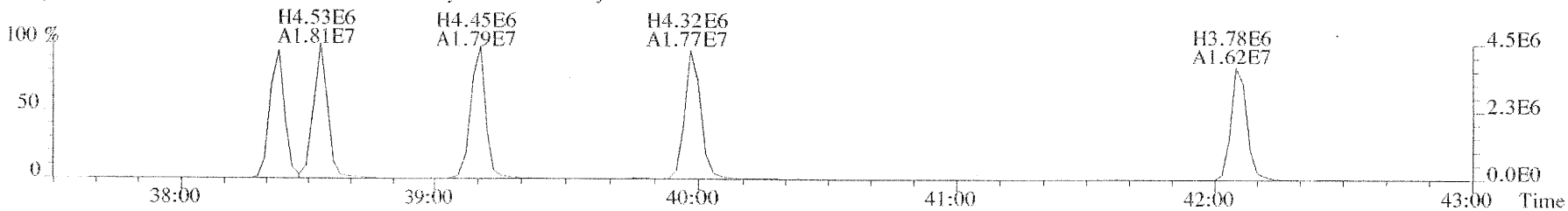
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



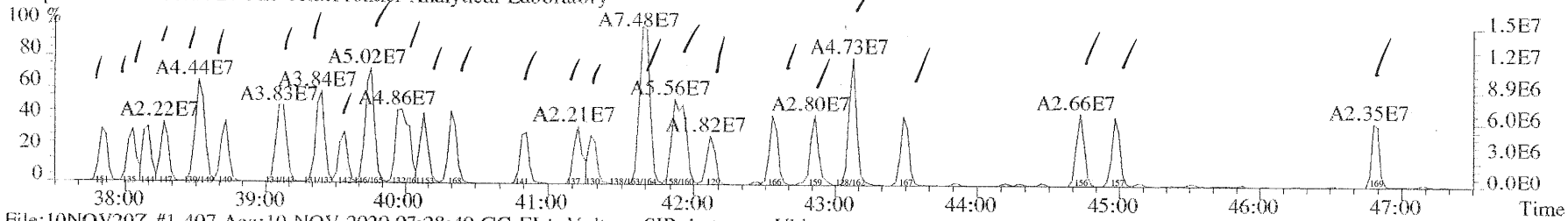
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



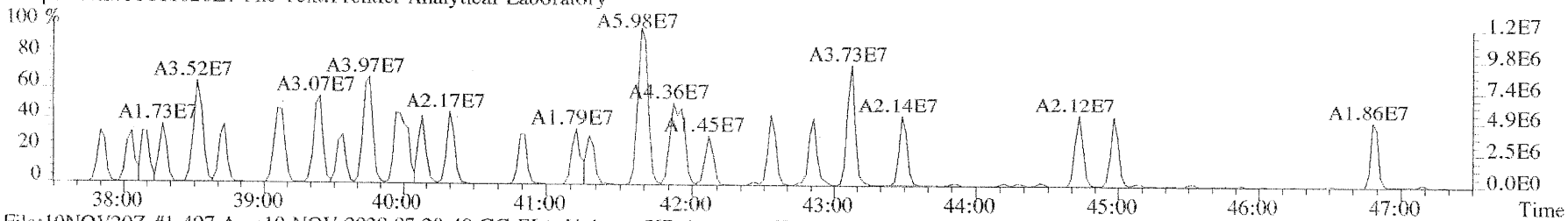
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



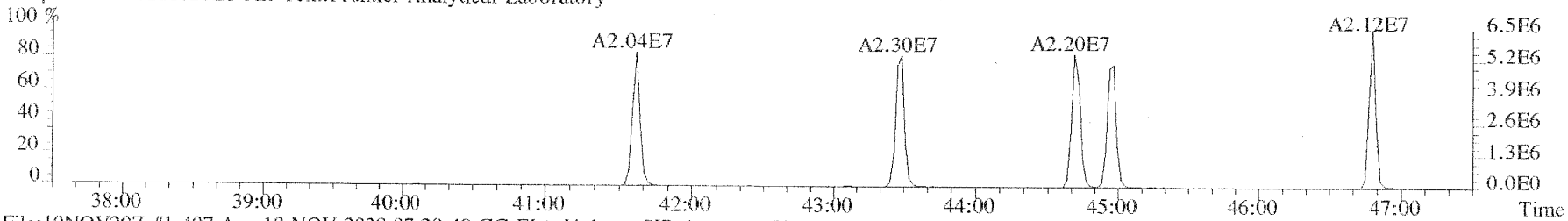
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



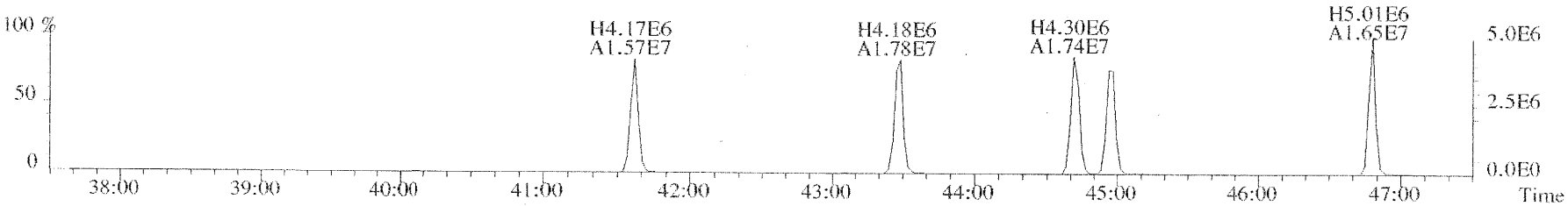
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



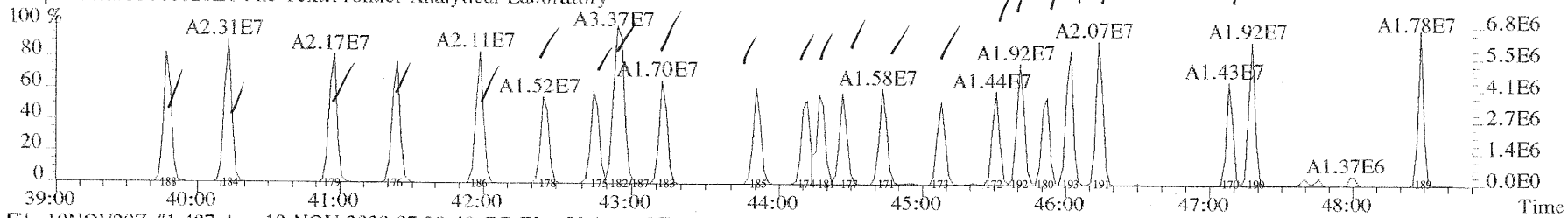
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



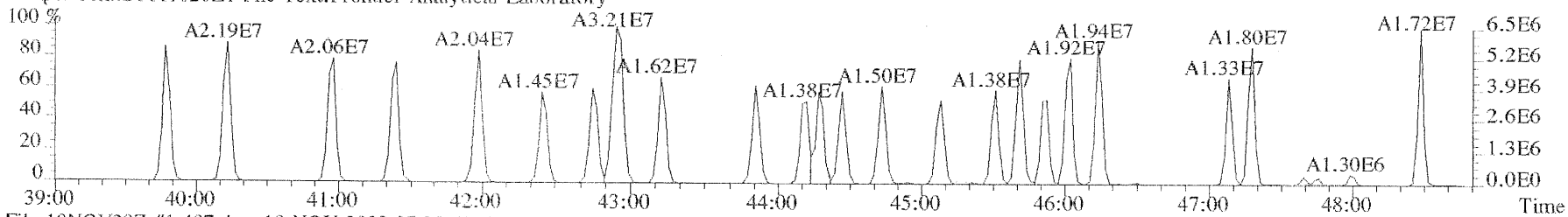
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



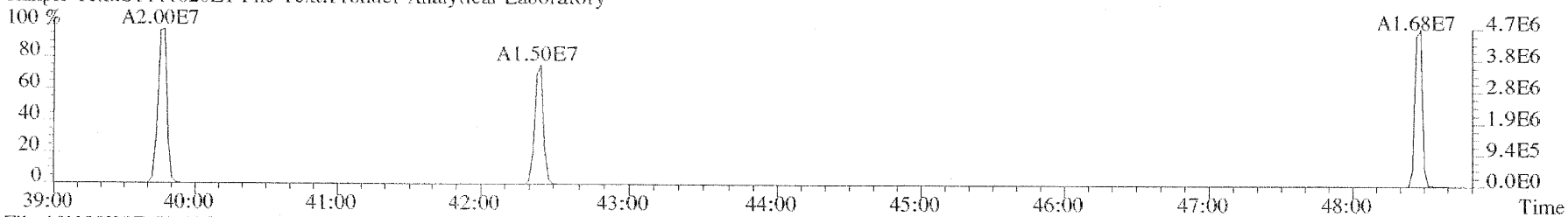
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



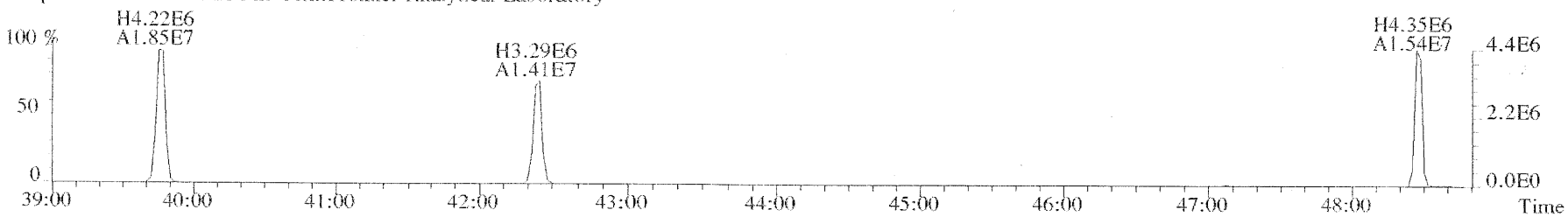
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



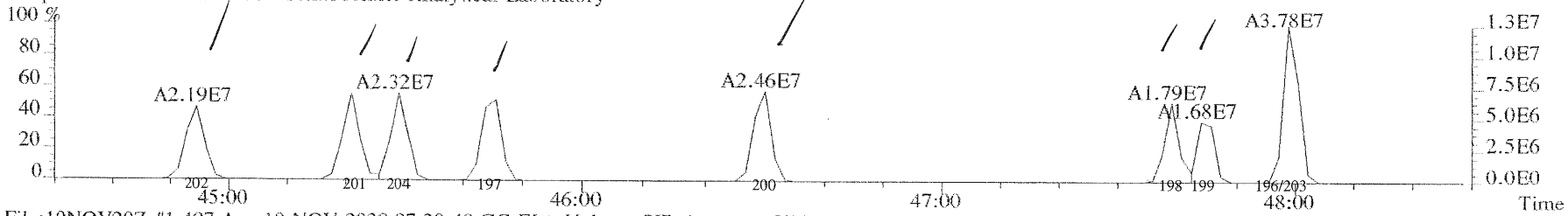
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



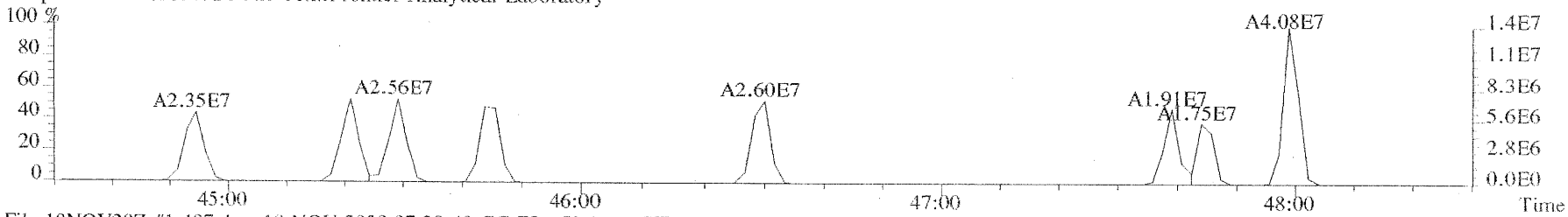
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



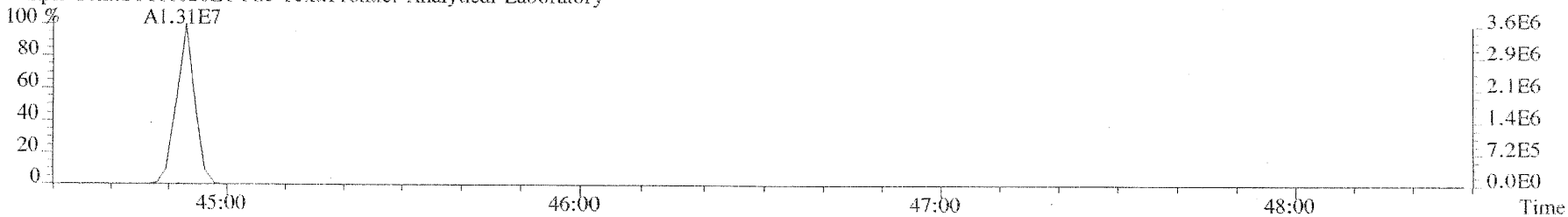
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



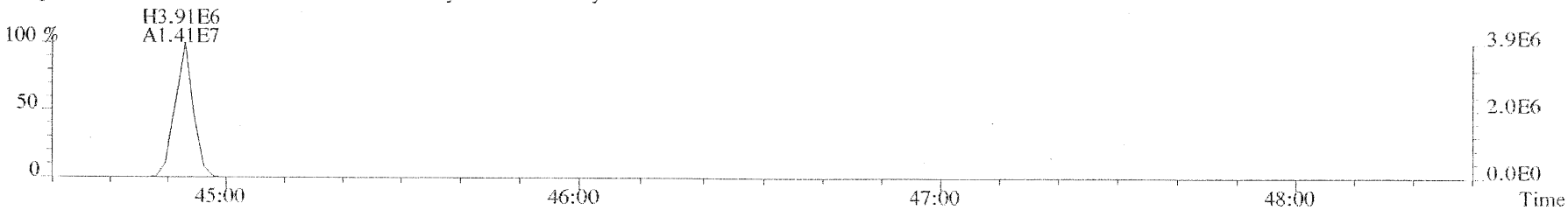
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



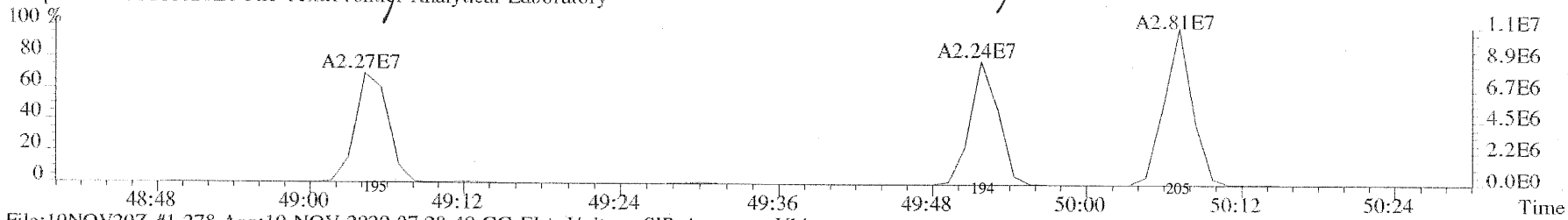
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



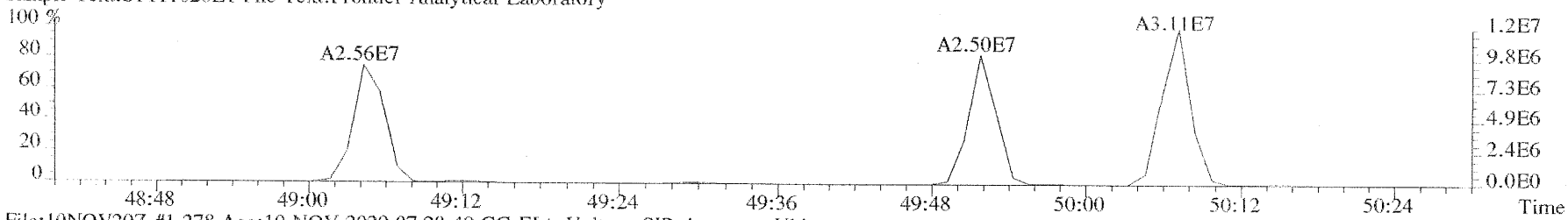
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



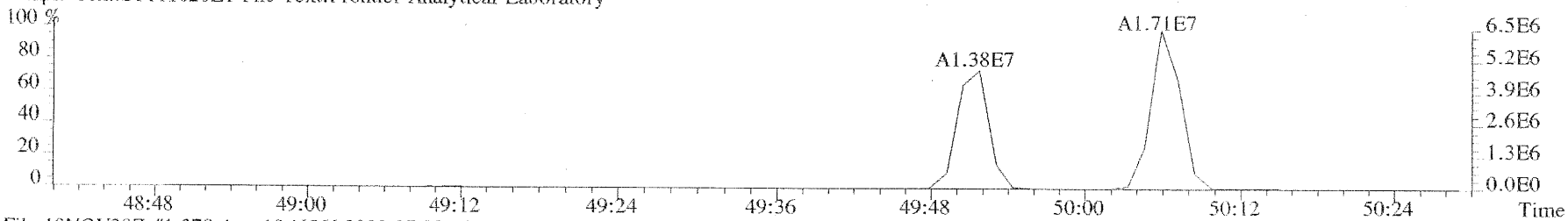
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



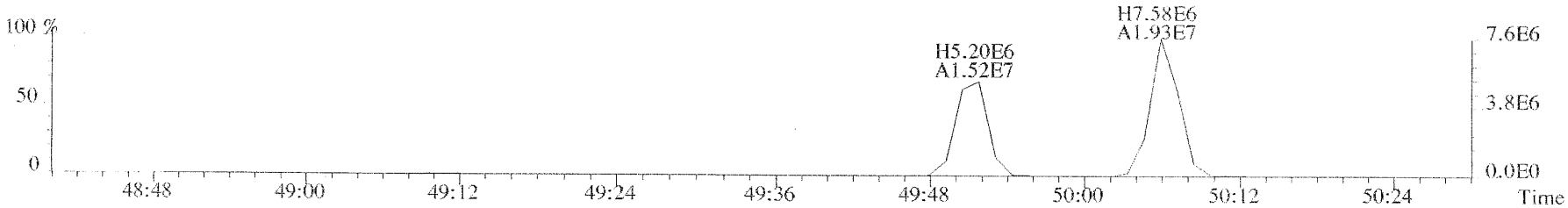
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



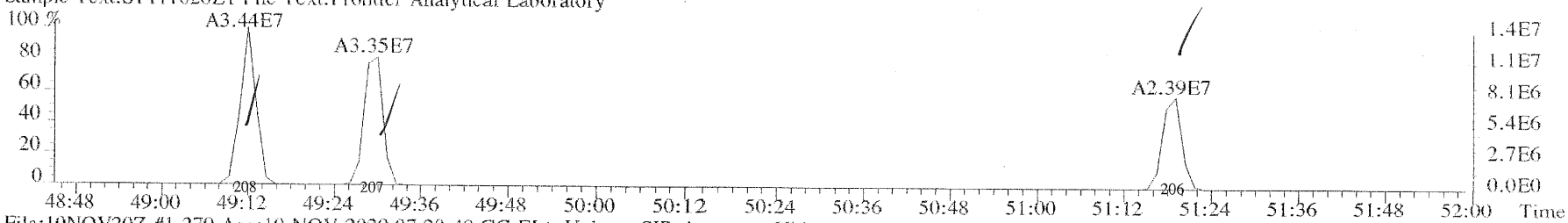
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



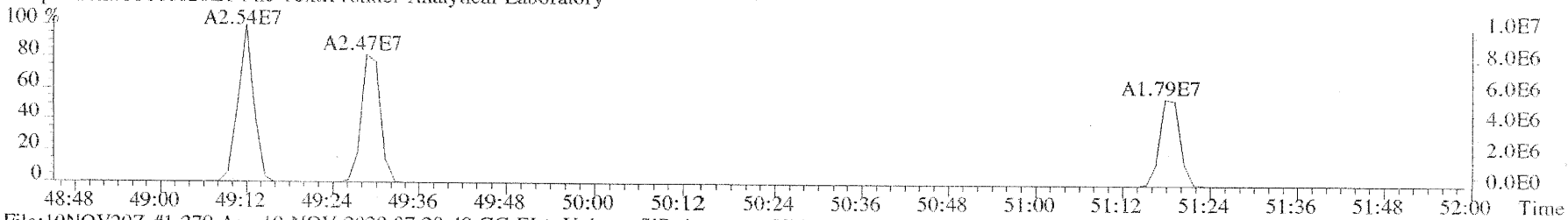
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



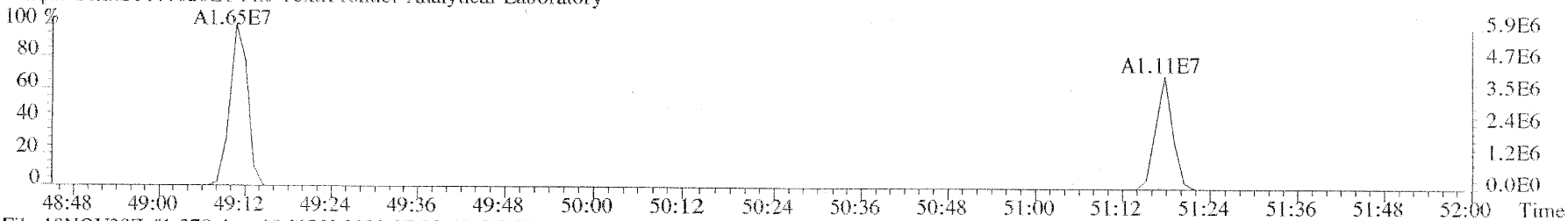
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



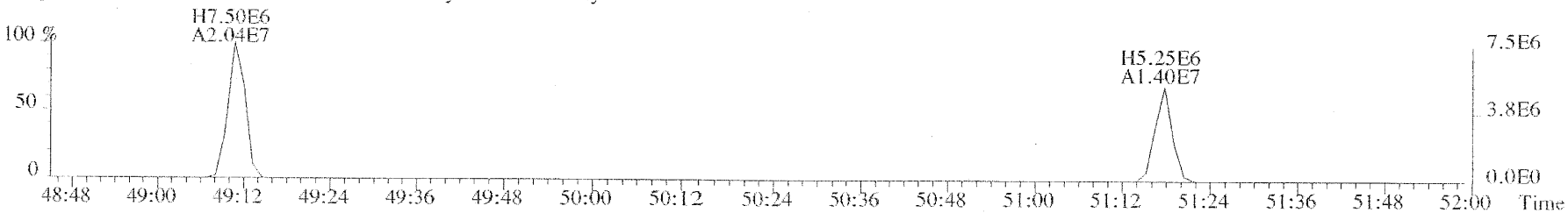
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



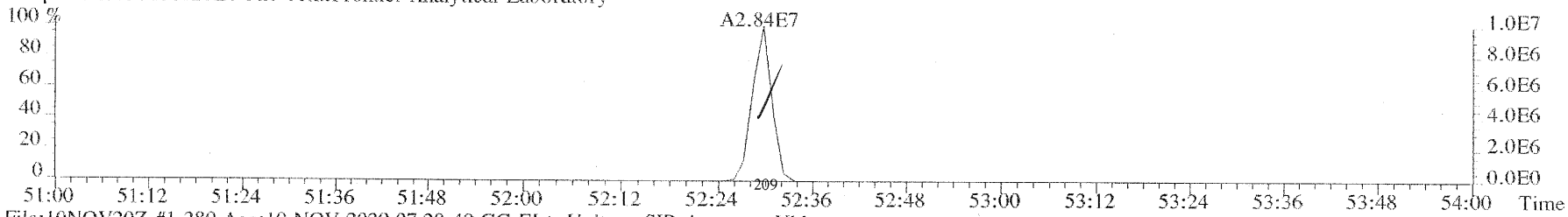
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



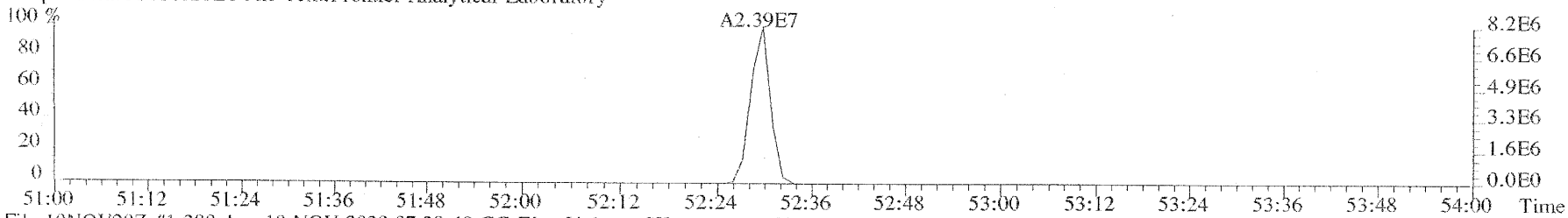
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



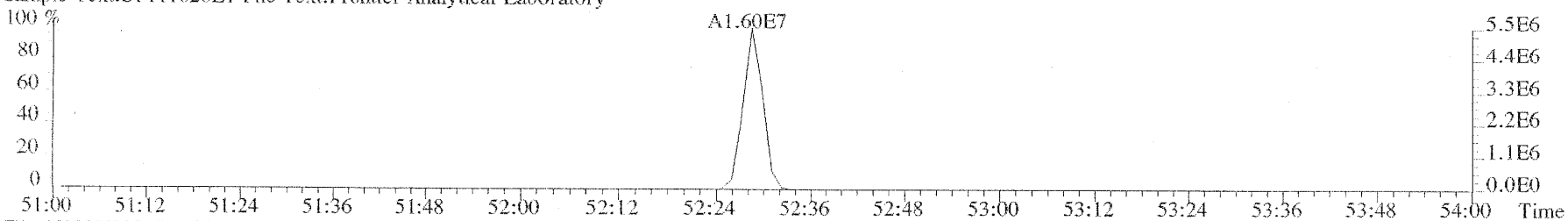
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



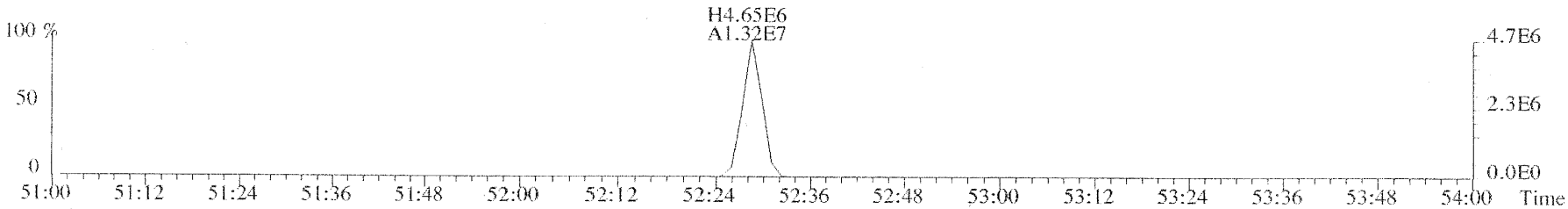
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



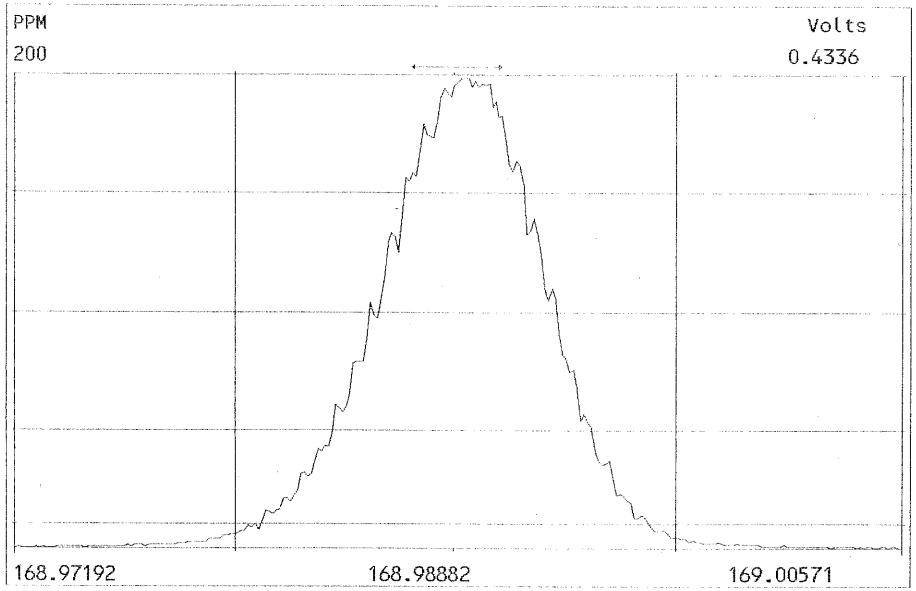
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

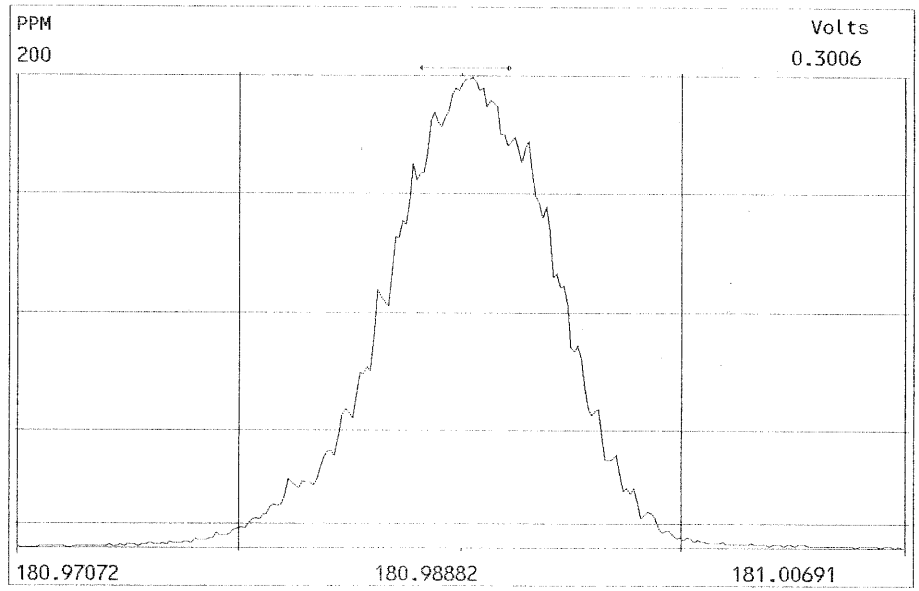


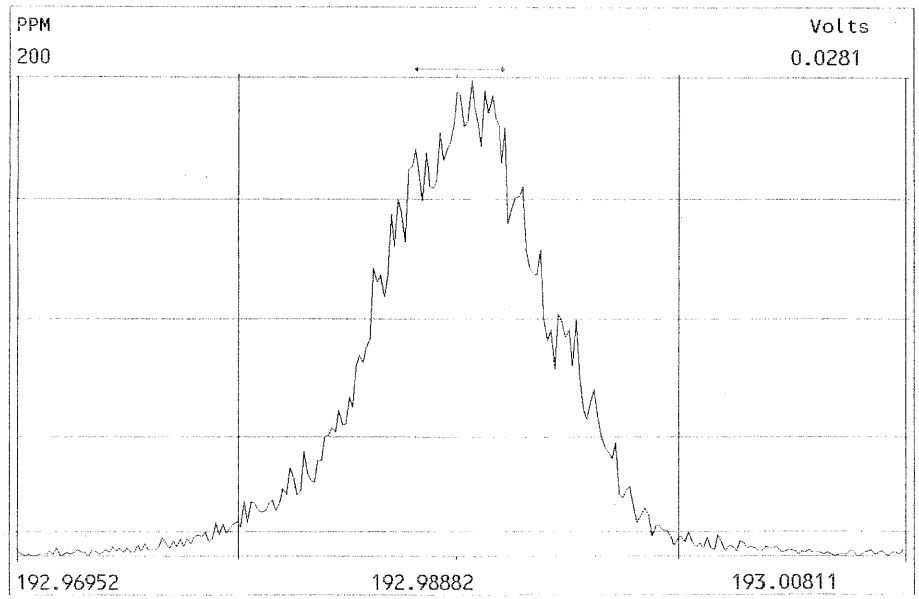
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

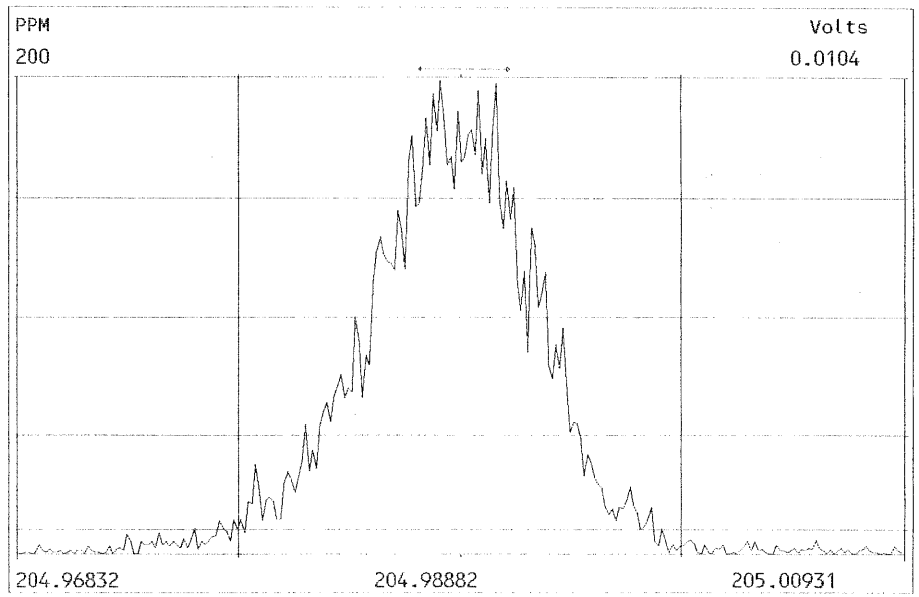


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

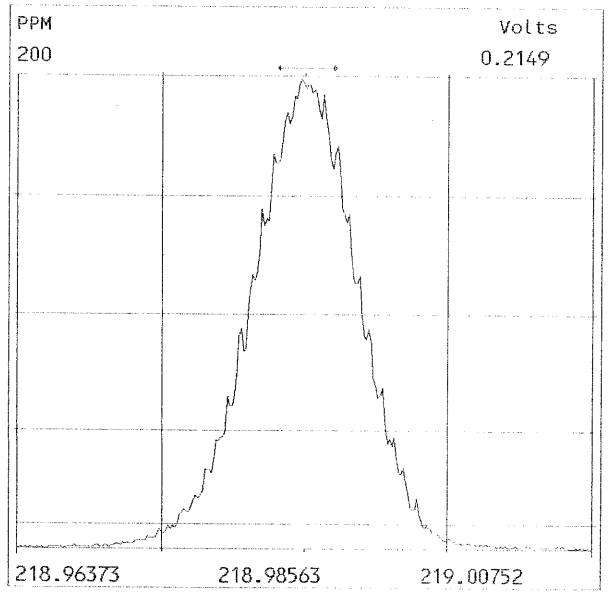


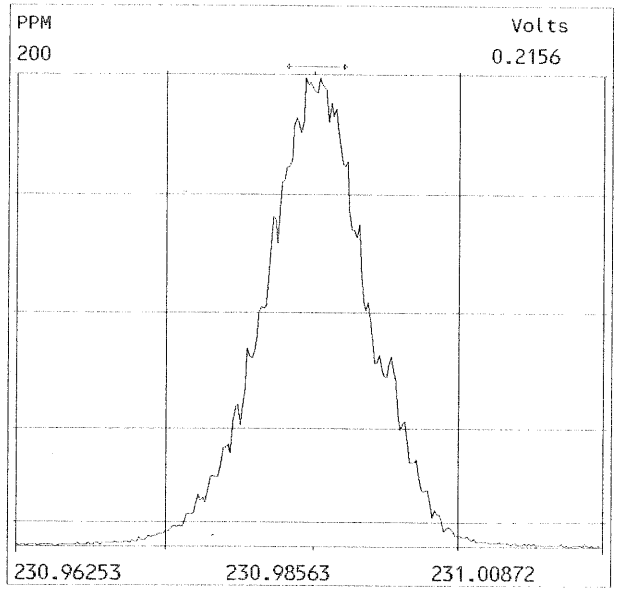


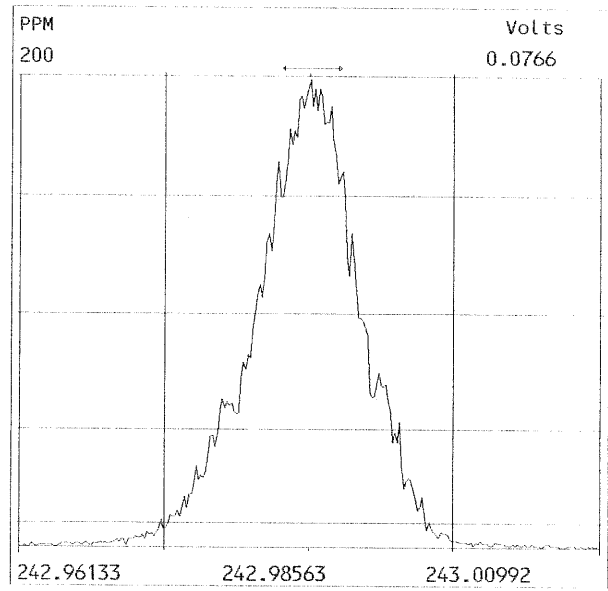


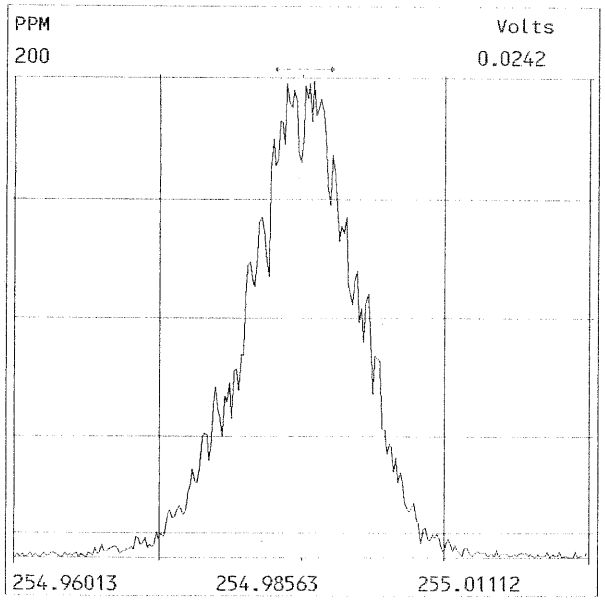


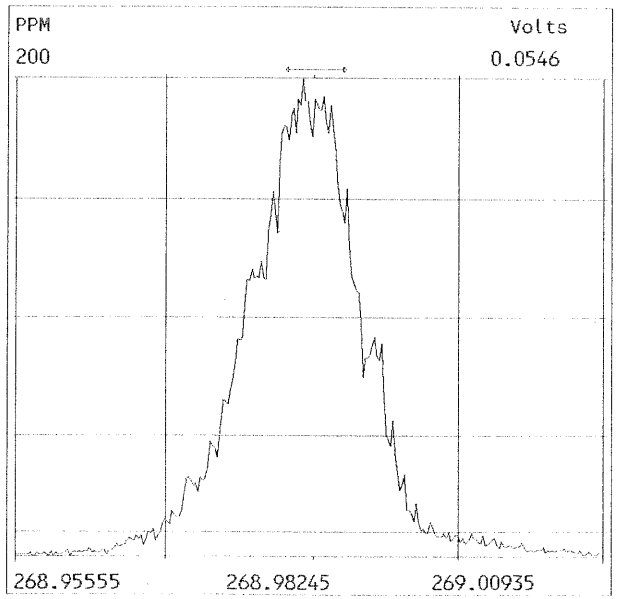
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

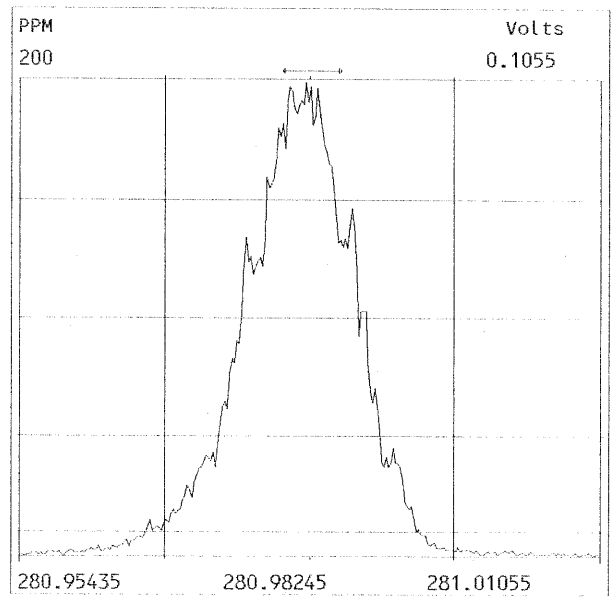




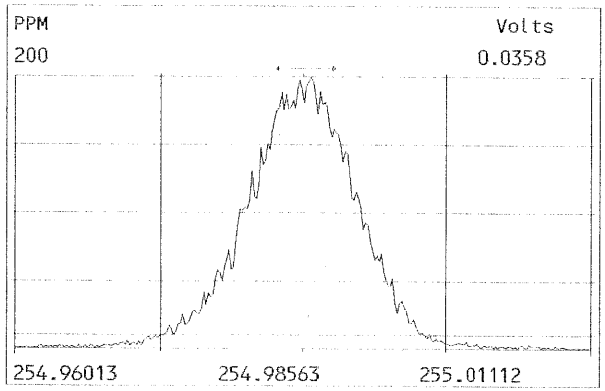


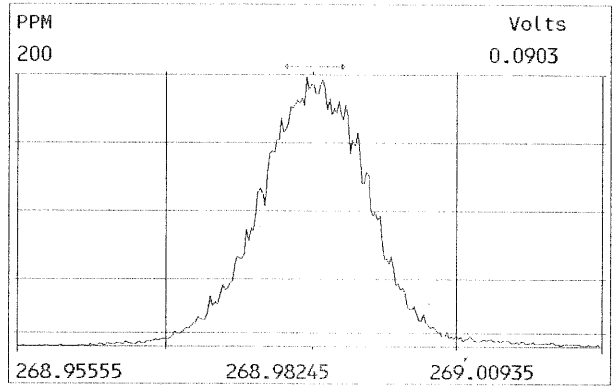


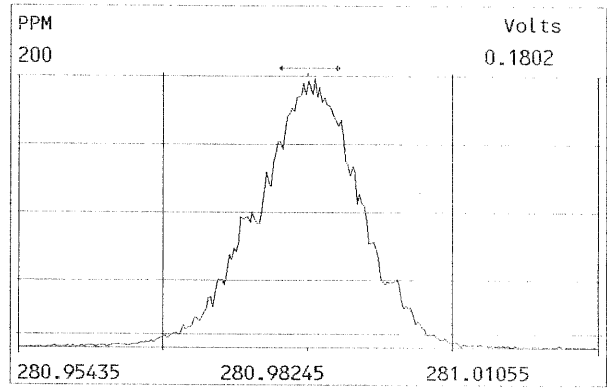


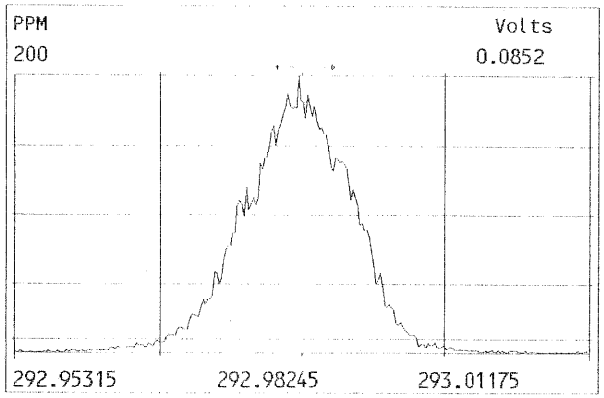


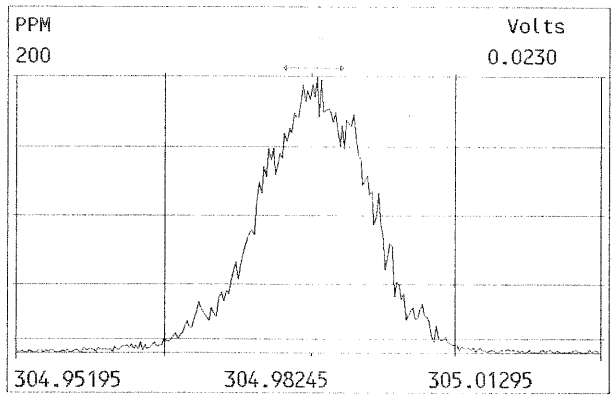
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

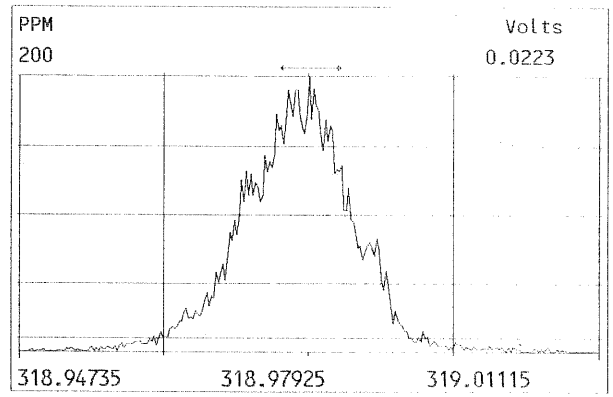


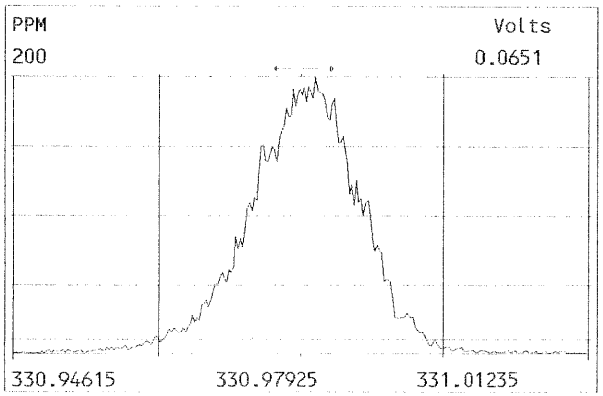


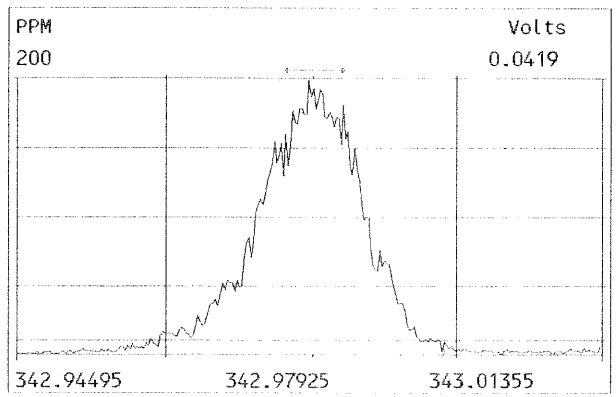




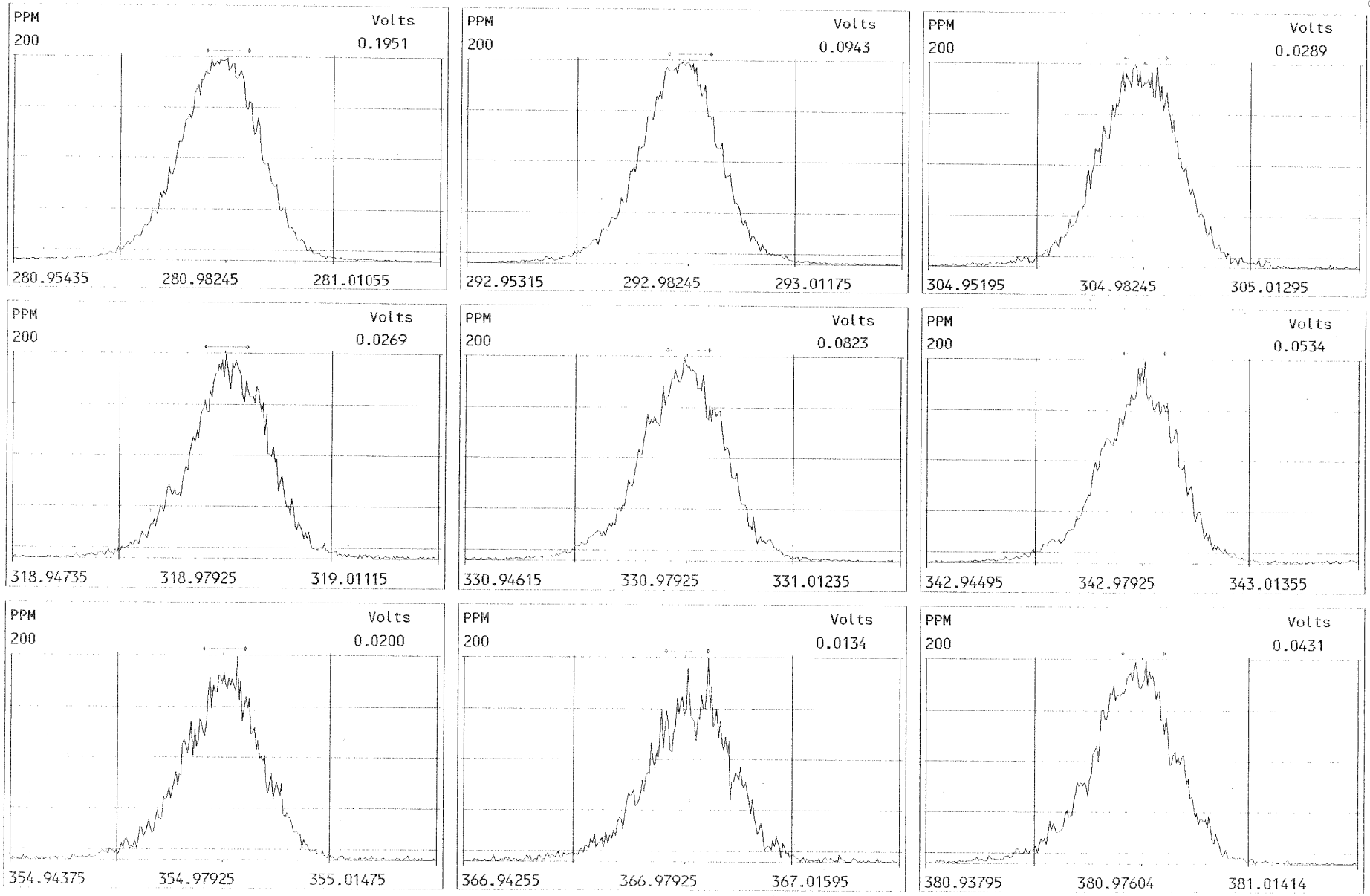




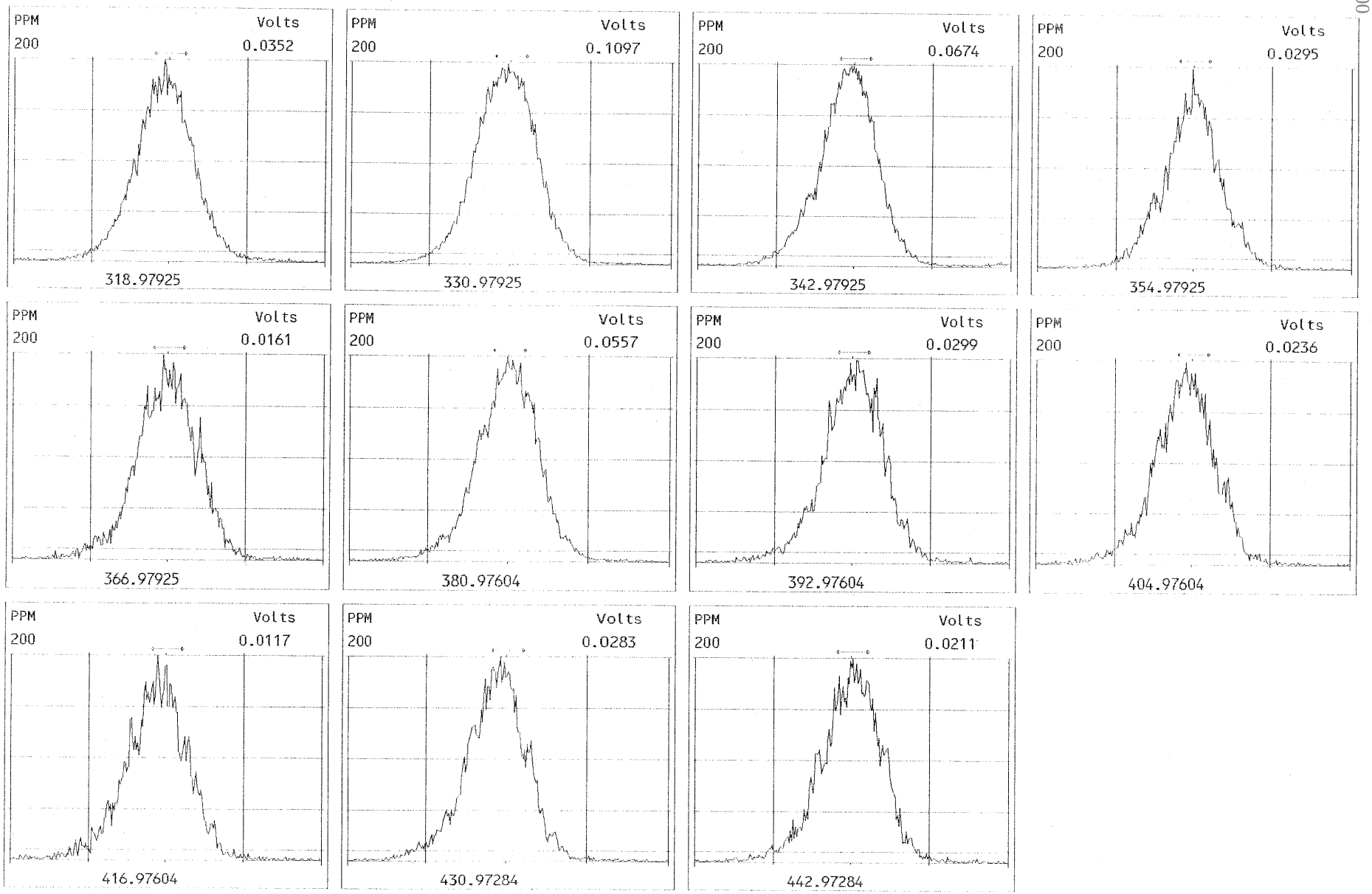




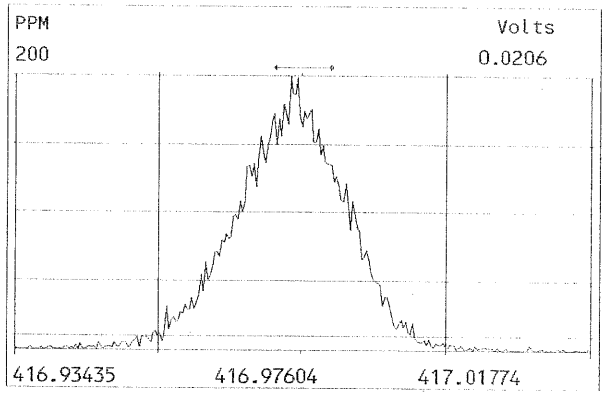
Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

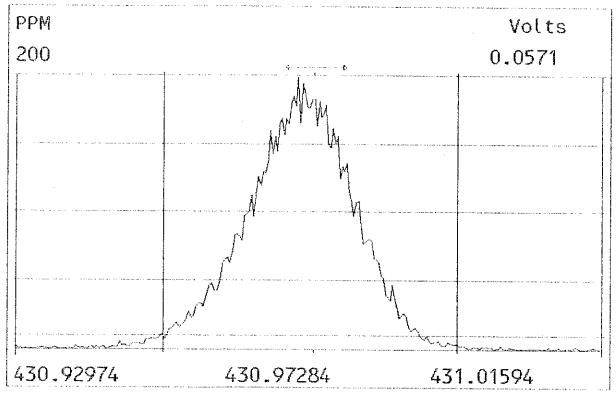


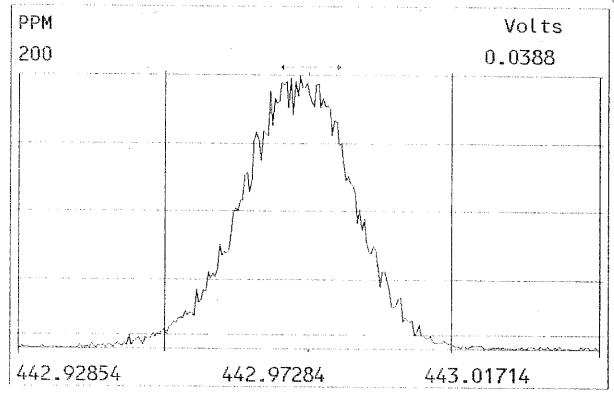
Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

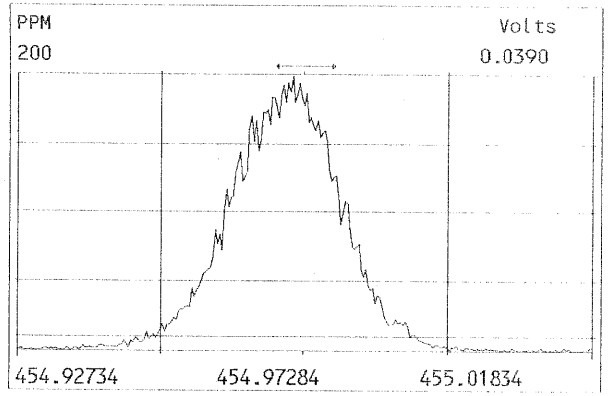


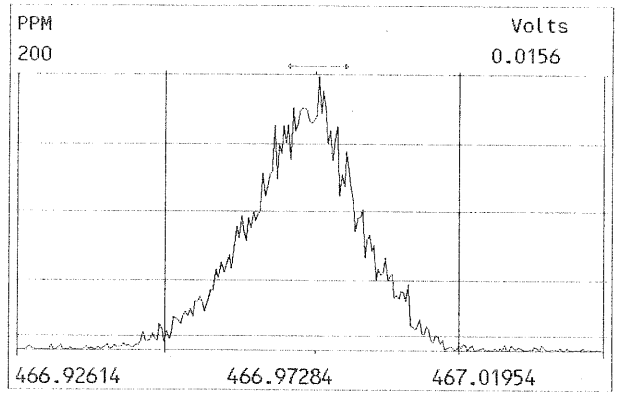
Peak Locate Examination:10-NOV-2020:20:48 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

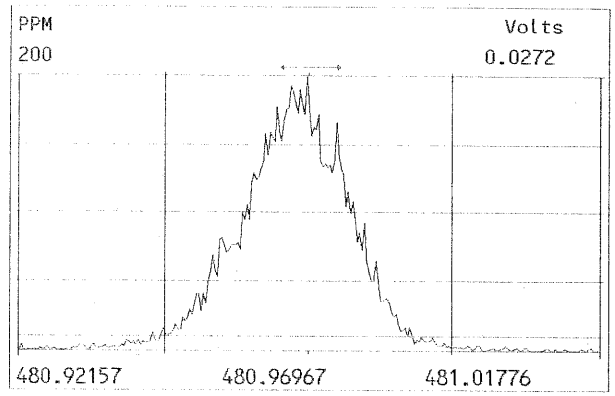


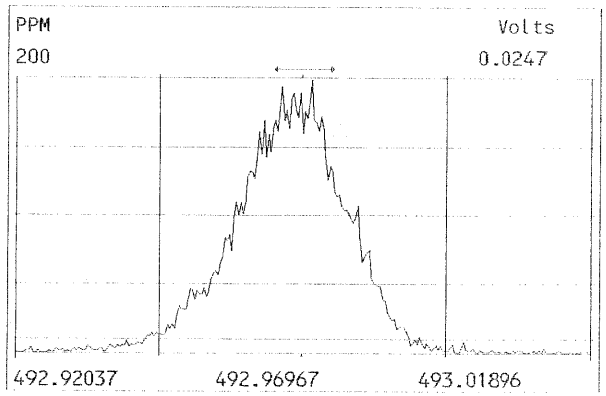


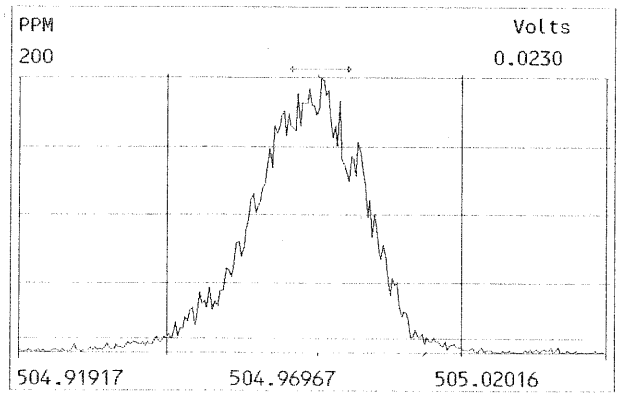


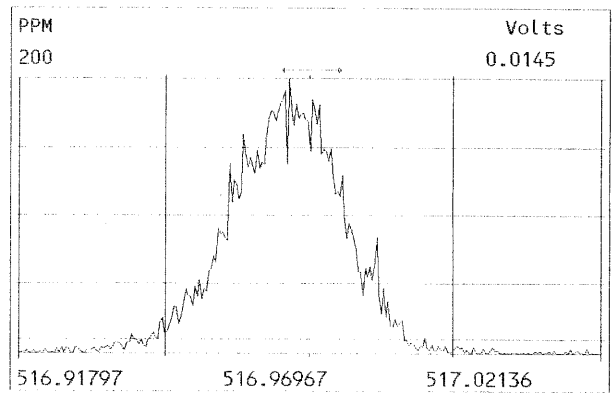












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	54.7	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	52.9	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	46.0	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	57.1	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	59.8	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	54.0	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	106	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	116	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	105	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	97.2	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	109	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	107	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	114	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	111	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	173	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	159	112.5 - 187.5

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	82.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	92.9	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	74.7	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	80.9	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	96.1	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	92.1	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	104	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	98.8	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	94.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	93.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	95.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	91.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.5	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	79.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	97.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	57.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	109	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	98.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	90.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	97.6	75.0 - 125

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

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.21	54.7		2.50	-	-	*	-
13C-PCB-1	4.90e+07	3.27 y	14:32	0.90	82.9		2.50				82.9
PCB-3	3.23e+07	3.23 y	16:60	1.23	52.9		2.50	-	-	*	-
13C-PCB-3	4.96e+07	3.32 y	16:59	0.93	81.2		2.50				81.2
PCB-4	2.27e+07	1.45 y	18:15	1.14	46.0		2.50	-	-	*	-
13C-PCB-4	4.33e+07	1.61 y	18:14	0.66	100.0		2.50				100.0
PCB-15	4.14e+07	1.55 y	23:46	1.09	57.1		2.50	-	-	*	-
13C-PCB-15	6.64e+07	1.61 y	23:45	1.09	92.9		2.50				92.9
PCB-19	1.80e+07	1.10 y	22:09	1.21	59.8		2.50	-	-	*	-
13C-PCB-19	2.48e+07	1.14 y	22:07	0.50	74.7		2.50				74.7
13C-PCB-9	6.58e+07	1.60 y	19:54	-	64.4		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.14	54.0		2.50	-	-	*	-
13C-PCB-37	4.68e+07	1.06 y	30:23	1.64	80.9		2.50				80.9
PCB-54	5.37e+07	0.78 y	25:40	1.18	106		2.50	-	-	*	-
13C-PCB-54	4.28e+07	0.80 y	25:39	1.26	96.1		2.50				96.1
PCB-104	3.89e+07	1.58 y	30:07	1.12	105		2.50	-	-	*	-
13C-PCB-104	3.32e+07	1.56 y	30:06	1.02	92.1		2.50				92.1
13C-PCB-28	5.53e+07	1.04 y	26:43	1.73	90.4		2.50				90.4
13C-PCB-52	3.53e+07	0.78 y	28:60	-	66.4		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.13	116		2.50	-	-	*	-
13C-PCB-81	4.88e+07	0.79 y	36:11	1.57	96.7		2.50				96.7
PCB-77	5.99e+07	0.82 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	5.14e+07	0.81 y	36:44	1.61	99.2		2.50				99.2
PCB-155	3.87e+07	1.28 y	34:17	1.13	102		2.50	-	-	*	-
13C-PCB-155	3.35e+07	1.33 y	34:16	1.10	94.4		2.50				94.4
13C-PCB-111	4.14e+07	1.61 y	36:20	1.27	101		2.50				101
13C-PCB-101	3.21e+07	1.61 y	34:42	-	67.4		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.11	97.2		2.50	-	-	*	-
13C-PCB-123	4.66e+07	1.58 y	38:22	1.28	98.8		2.50				98.8
PCB-118	1.13e+08	1.58 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	5.00e+07	1.60 y	38:32	1.35	101		2.50				101
PCB-114	6.11e+07	1.58 y	39:12	1.13	112		2.50	-	-	*	-
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.10	110		2.50	-	-	*	-
13C-PCB-105	4.89e+07	1.61 y	39:58	1.28	104		2.50				104
PCB-126	5.57e+07	1.59 y	42:06	1.08	109		2.50	-	-	*	-
13C-PCB-126	4.69e+07	1.60 y	42:06	1.23	104		2.50				104
PCB-167	4.96e+07	1.26 y	43:29	1.11	108		2.50	-	-	*	-
13C-PCB-167	4.15e+07	1.28 y	43:29	1.23	91.9		2.50				91.9
PCB-156	4.96e+07	1.25 y	44:43	1.13	107		2.50	-	-	*	-
13C-PCB-156	4.10e+07	1.25 y	44:41	1.19	93.8		2.50				93.8
PCB-157	5.26e+07	1.24 y	44:58	1.08	114		2.50	-	-	*	-
13C-PCB-157	4.28e+07	1.30 y	44:58	1.21	95.9		2.50				95.9
PCB-169	4.90e+07	1.28 y	46:49	1.08	111		2.50	-	-	*	-
13C-PCB-169	4.11e+07	1.27 y	46:48	1.17	95.5		2.50				95.5
PCB-188	3.90e+07	1.07 y	39:46	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.30e+07	1.12 y	39:46	1.13	79.6		2.50				79.6
PCB-189	3.69e+07	1.04 y	48:28	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.45e+07	1.04 y	48:28	0.97	97.1		2.50				97.1
PCB-202	3.63e+07	0.96 y	44:54	1.03	173		2.50	-	-	*	-
13C-PCB-202	2.03e+07	0.95 y	44:53	0.96	57.8		2.50				57.8
13C-PCB-178	2.79e+07	1.09 y	42:24	0.78	97.6		2.50				97.6
13C-PCB-138	3.68e+07	1.27 y	41:37	-	76.5		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92 y	50:07	1.09	159	2.50	-	-	*	-
13C-PCB-205	3.72e+07	0.89 y	50:07	1.32	102	2.50				102
PCB-208	6.56e+07	1.36 y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	4.05e+07	0.81 y	49:12	1.38	107	2.50				107
PCB-206	4.66e+07	1.33 y	51:19	1.04	159	2.50	-	-	*	-
13C-PCB-206	2.81e+07	0.80 y	51:18	0.94	109	2.50				109
PCB-209	5.37e+07	1.18 y	52:29	1.13	159	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.20 y	52:29	1.10	98.6	2.50				98.6
13C-PCB-194	2.76e+07	0.88 y	49:52	-	72.4	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

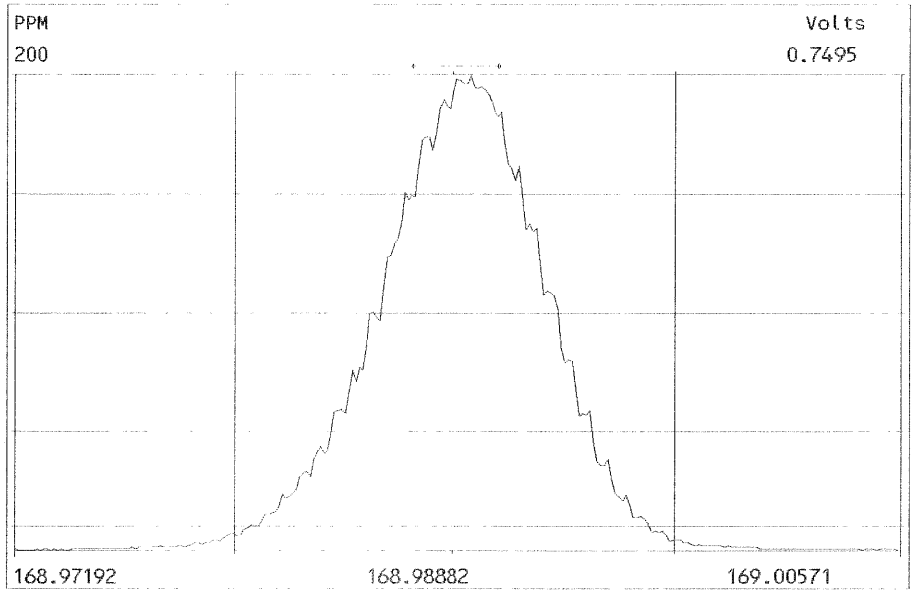
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

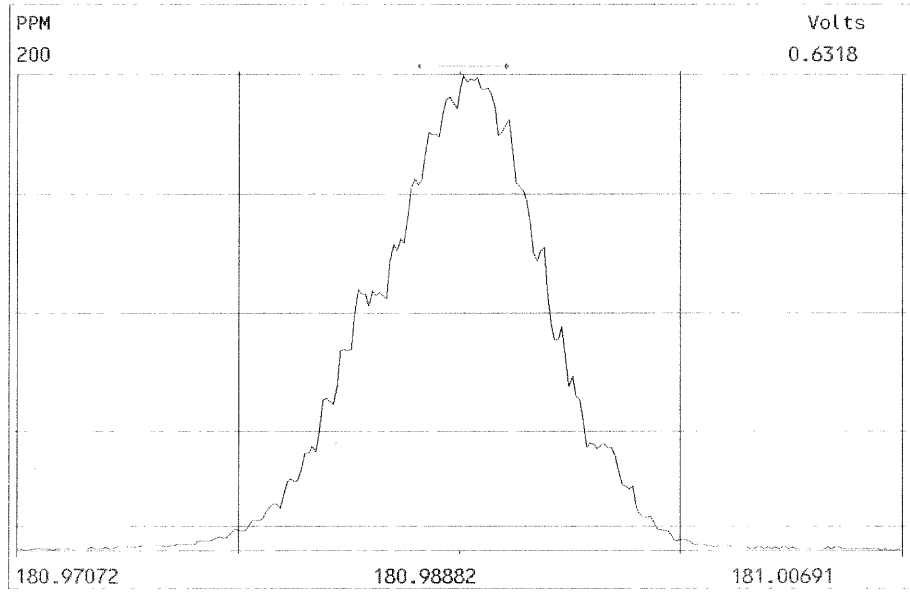
8 11/11/20

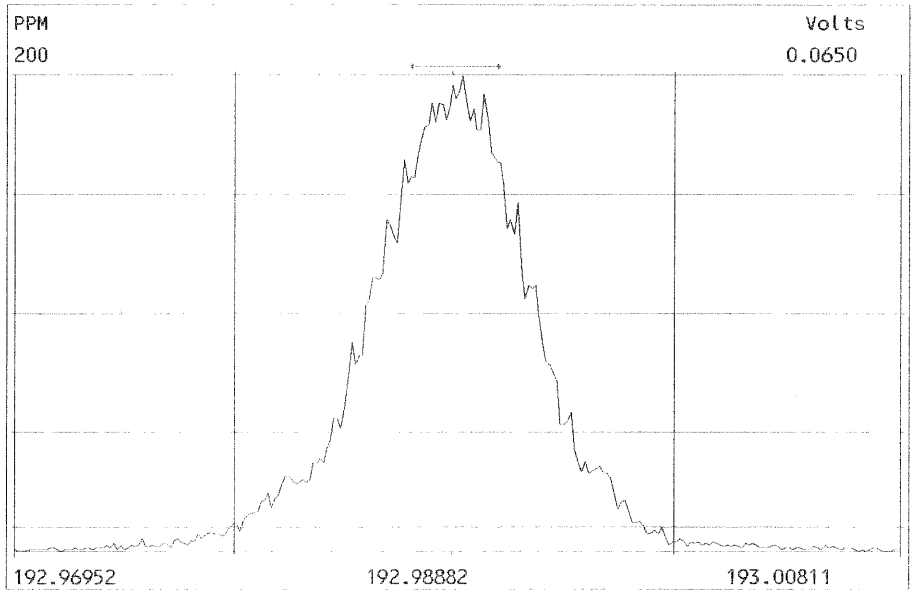
Data Backed Up:_____

Date:_____

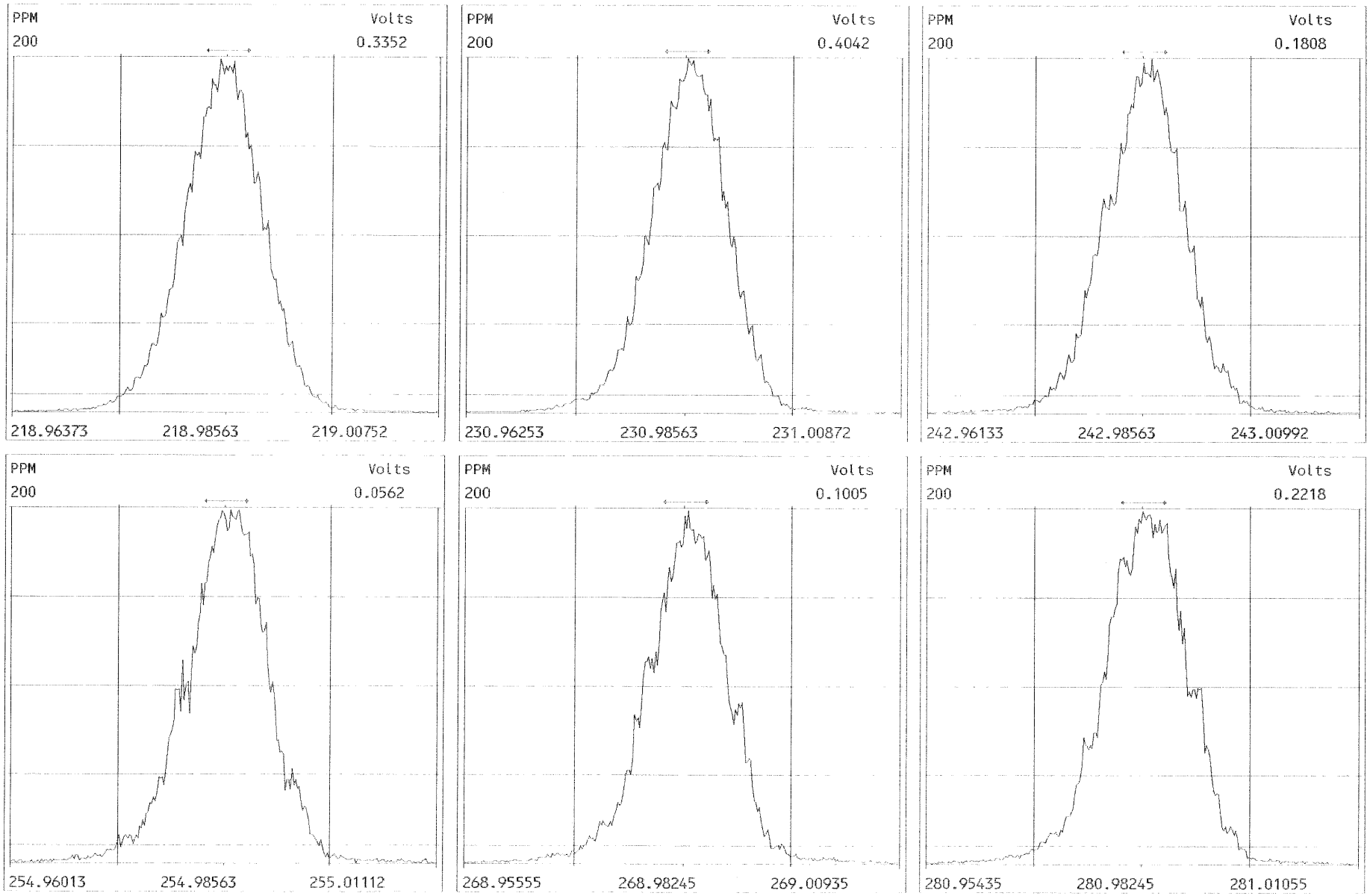
Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK





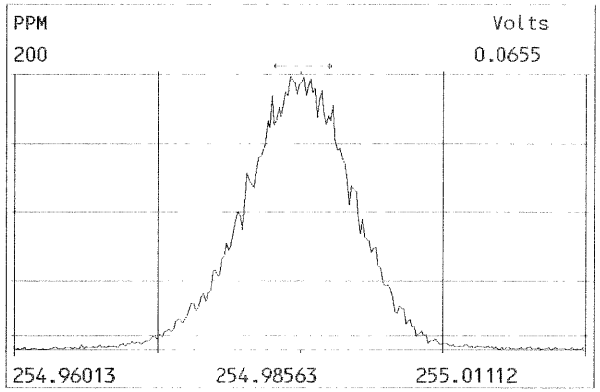


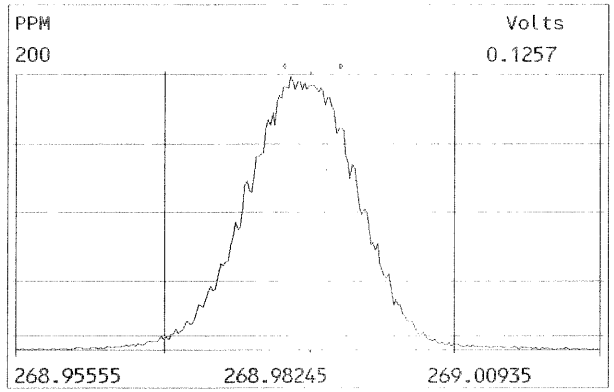
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

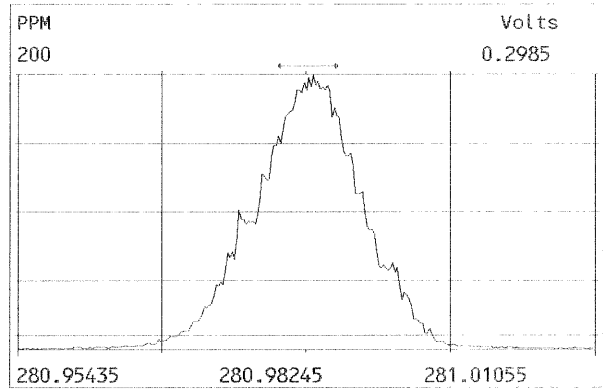


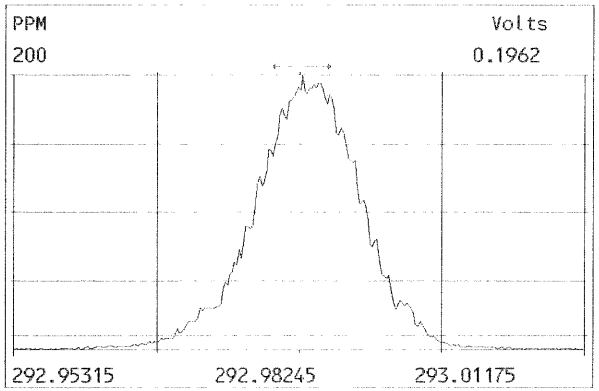
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z

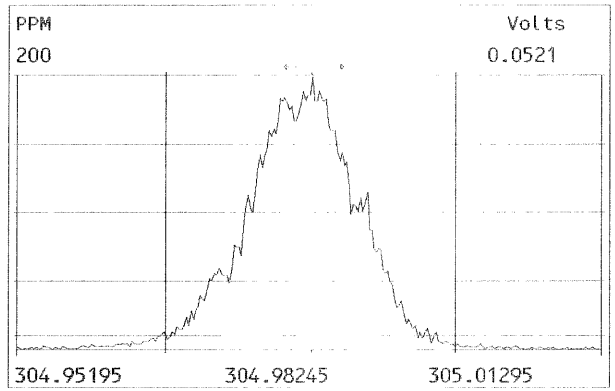
Experiment:1668PCB Function:3 Reference:PFK

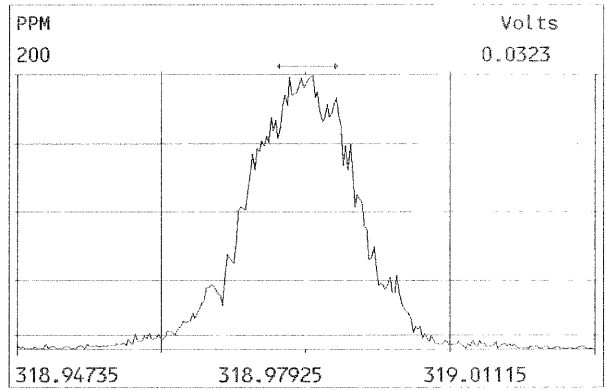


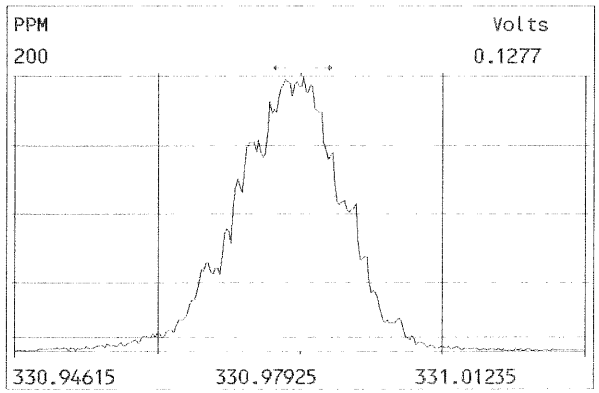


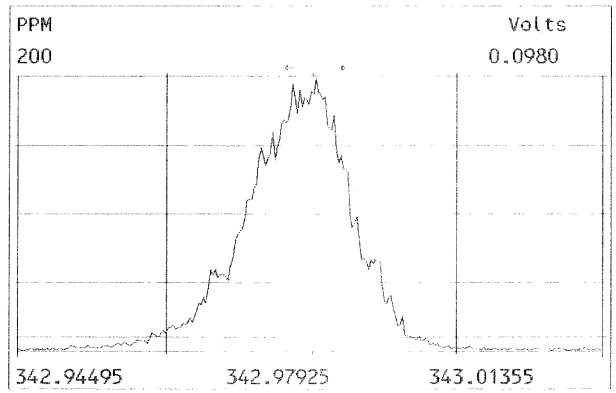






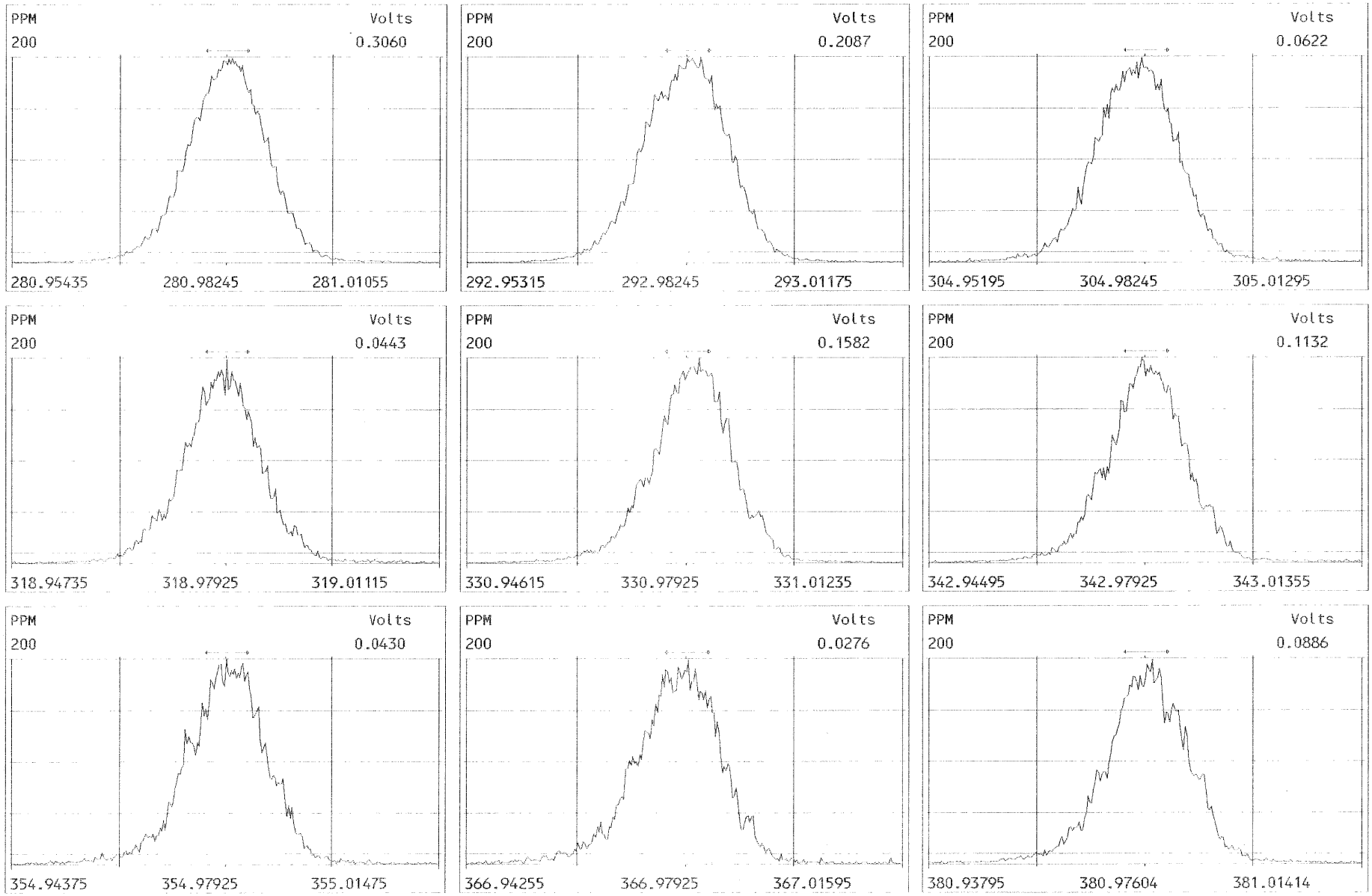




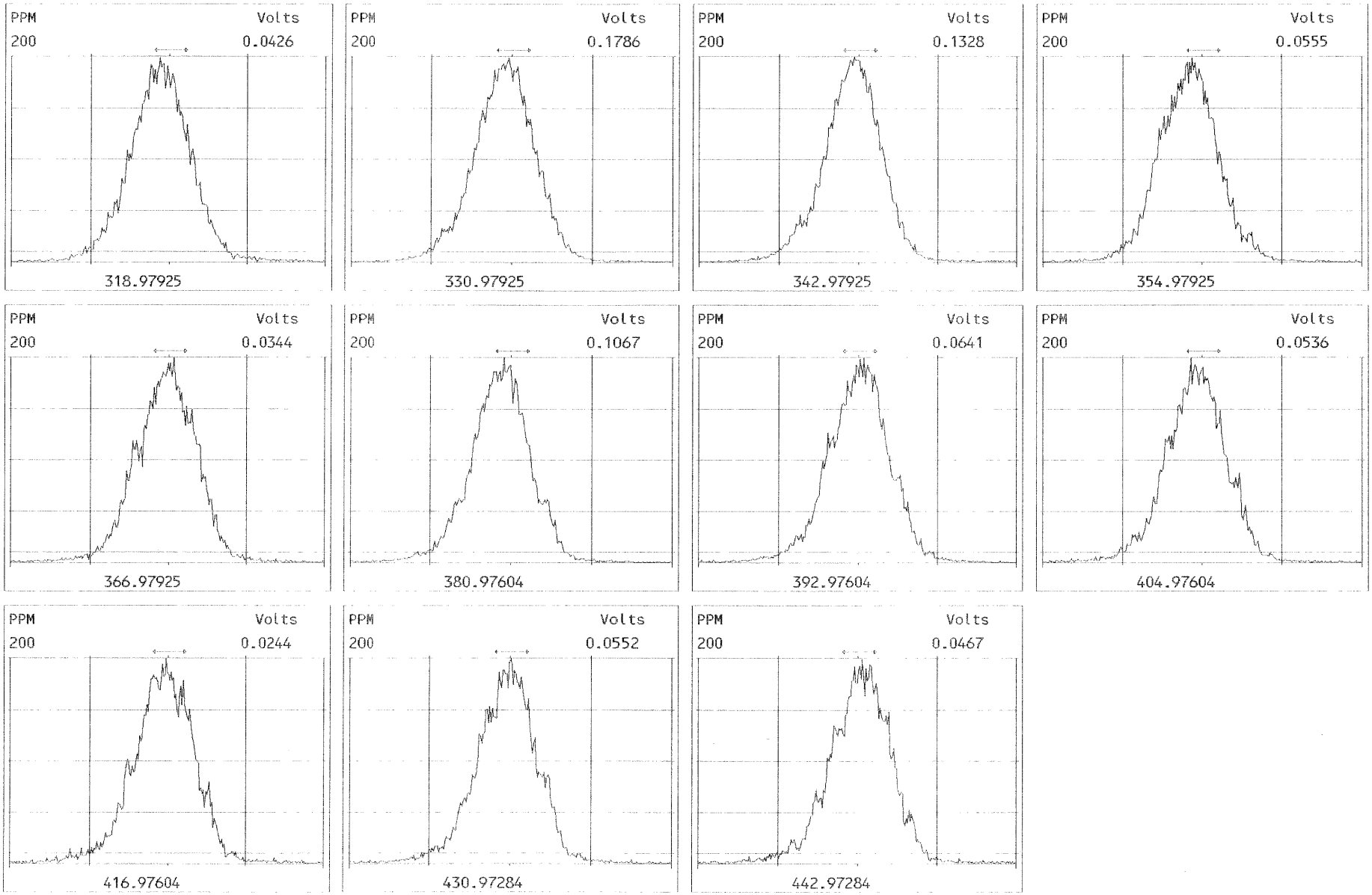


Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

Experiment:1668PCB Function:4 Reference:PFK

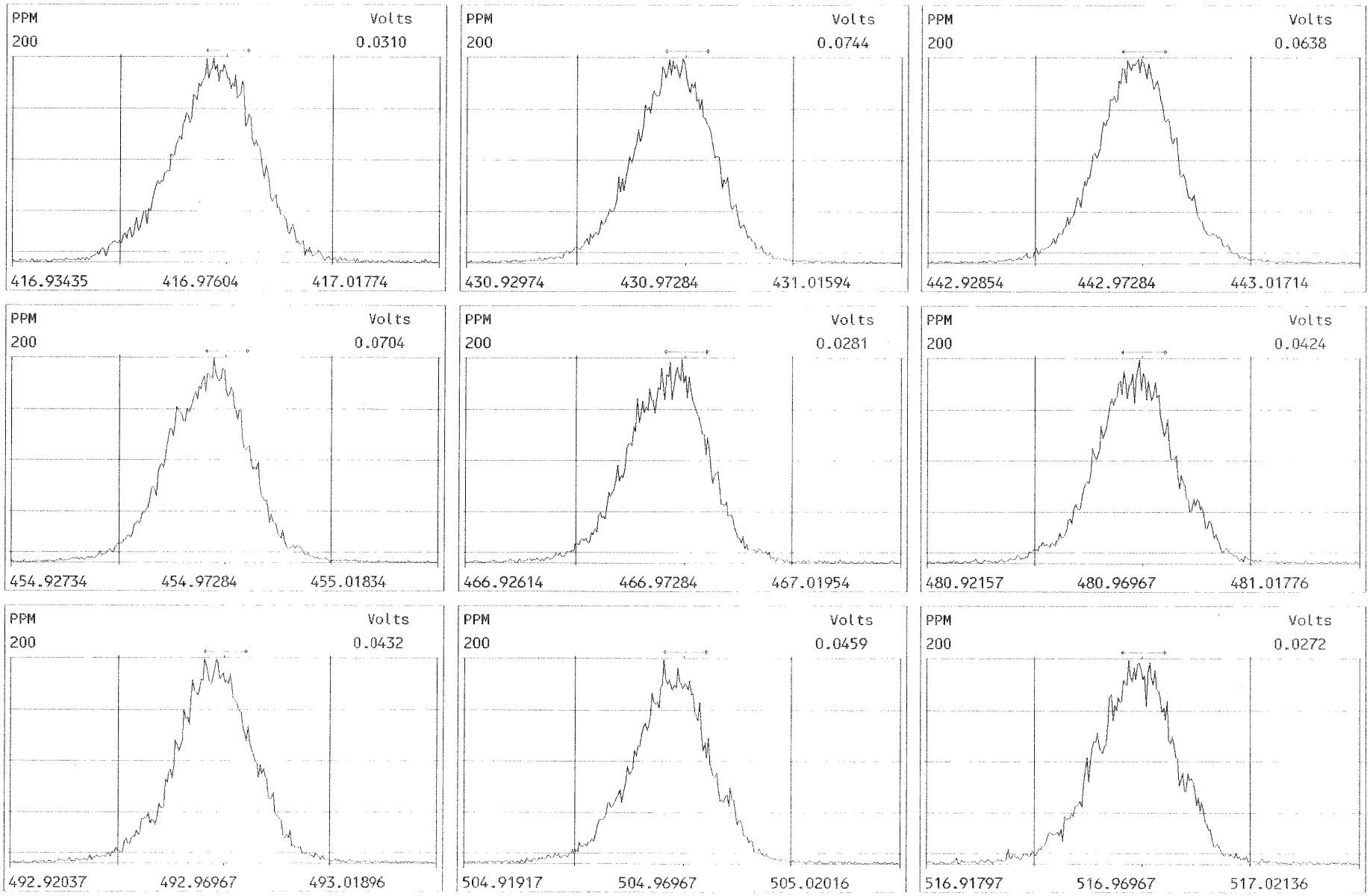


Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

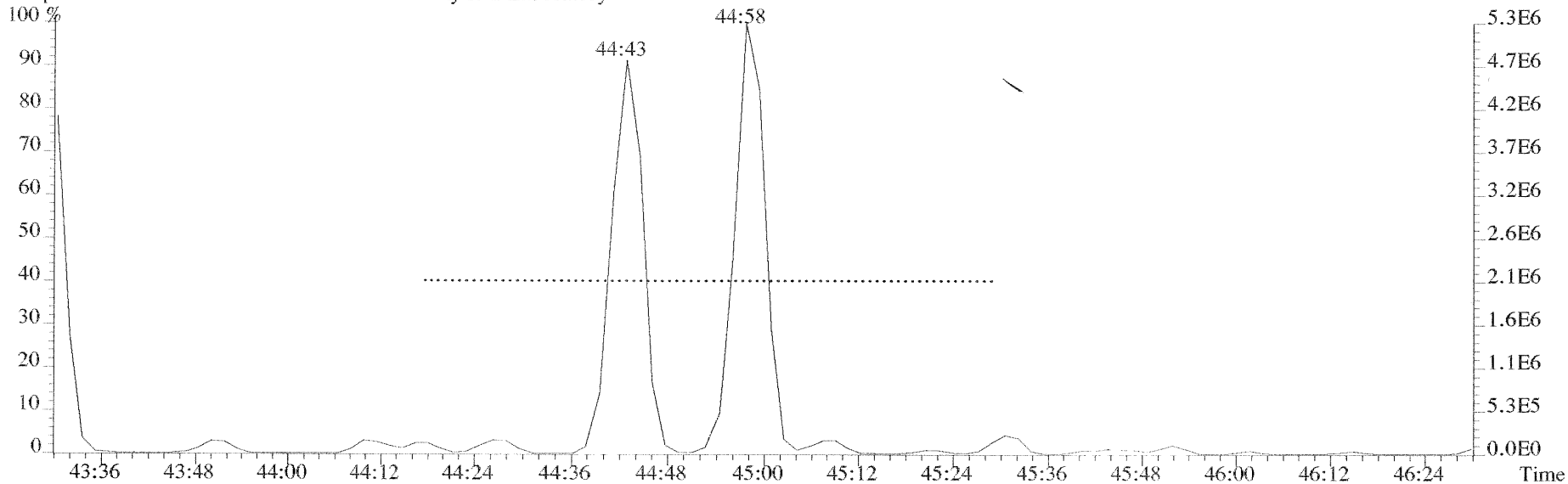


Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z

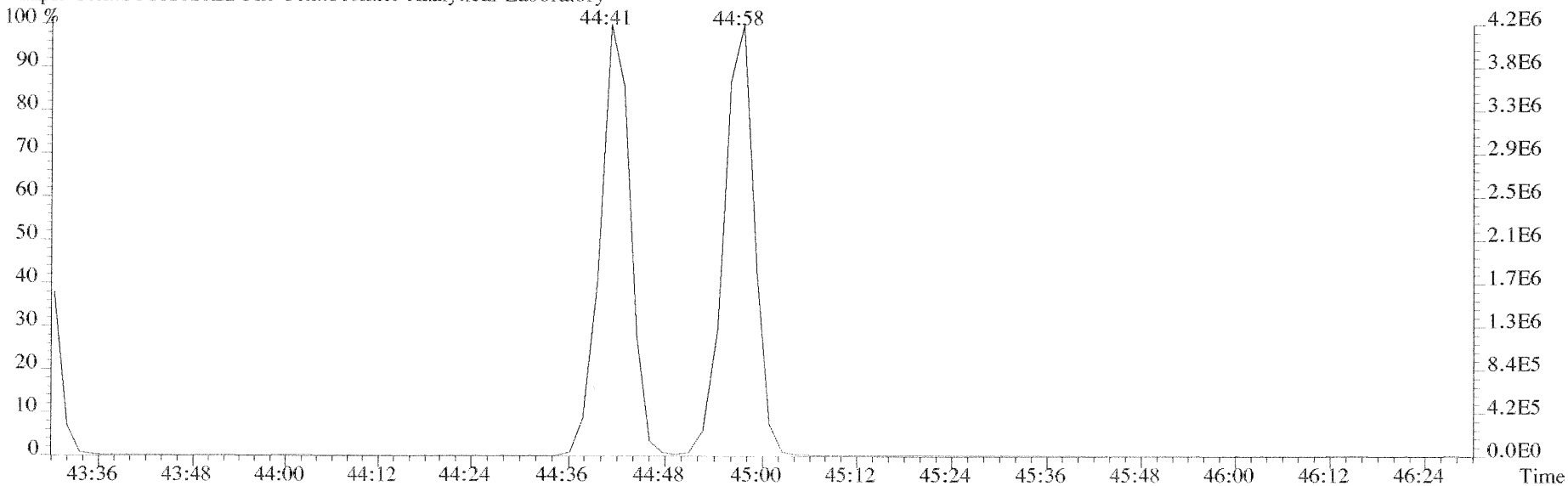
Experiment:1668PCB Function:6 Reference:PFK



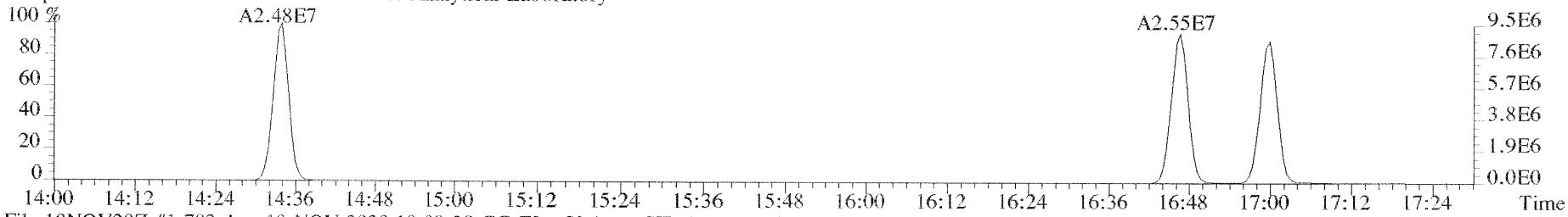
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



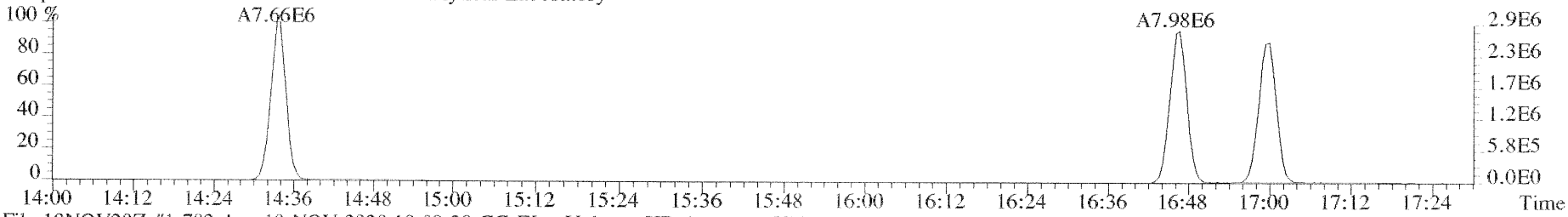
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



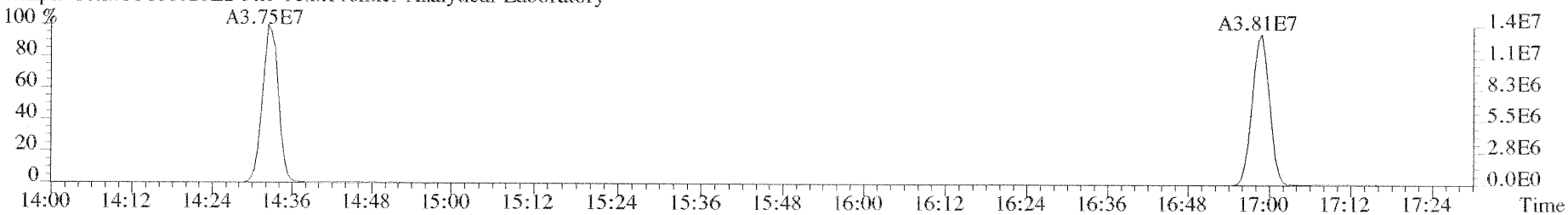
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



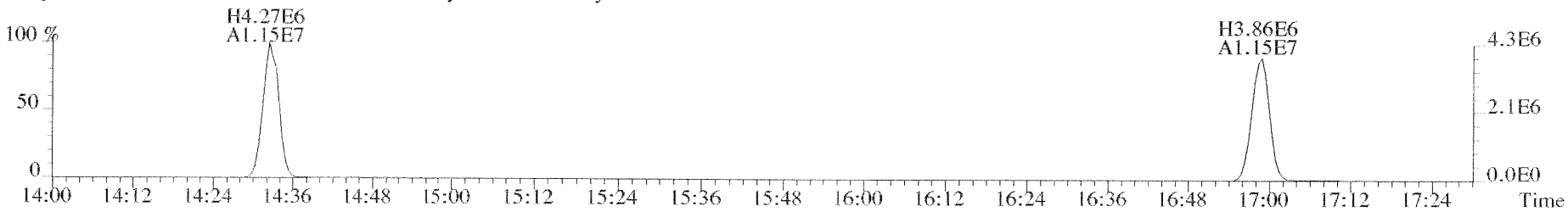
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



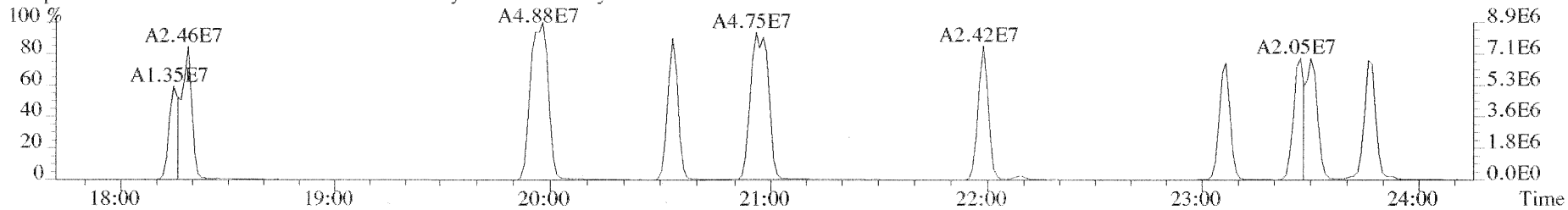
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



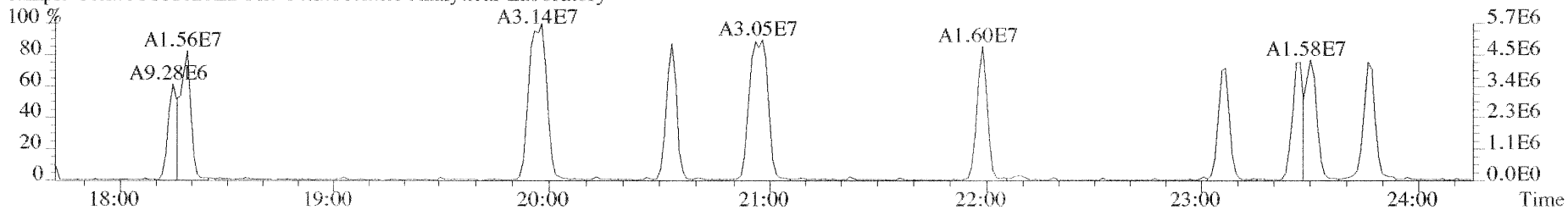
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



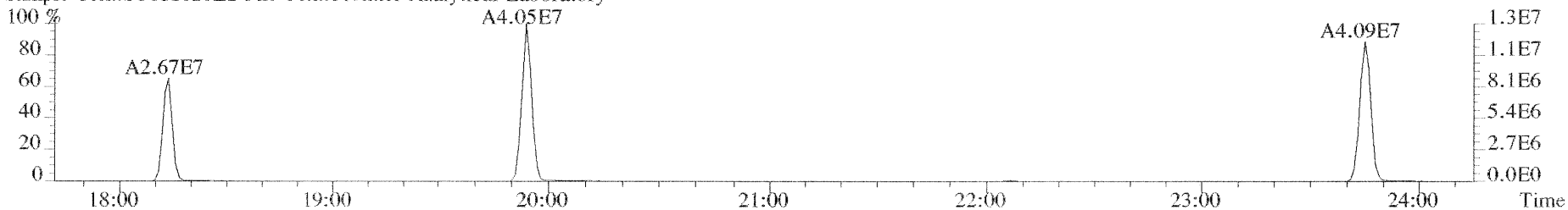
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



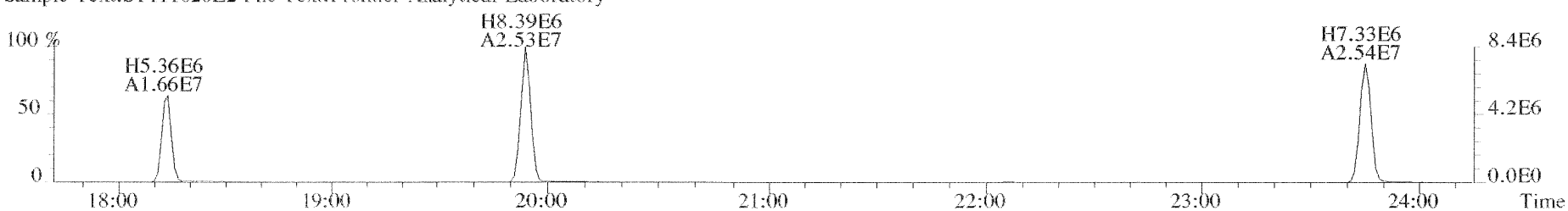
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



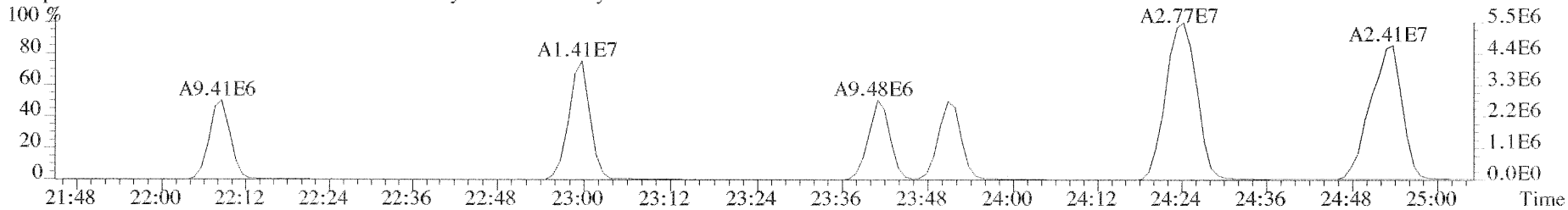
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



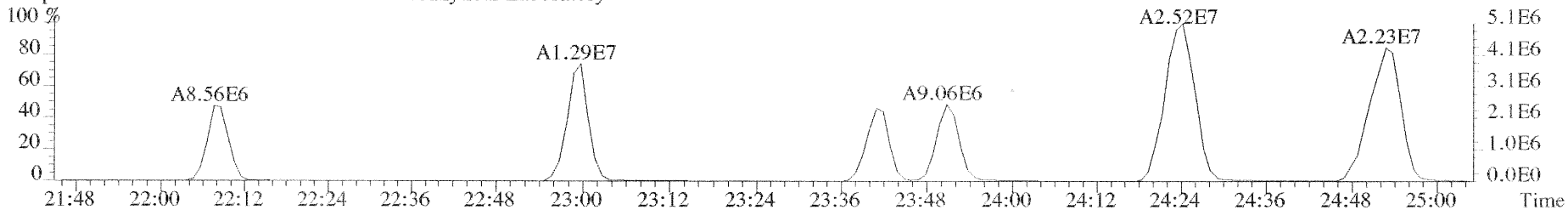
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



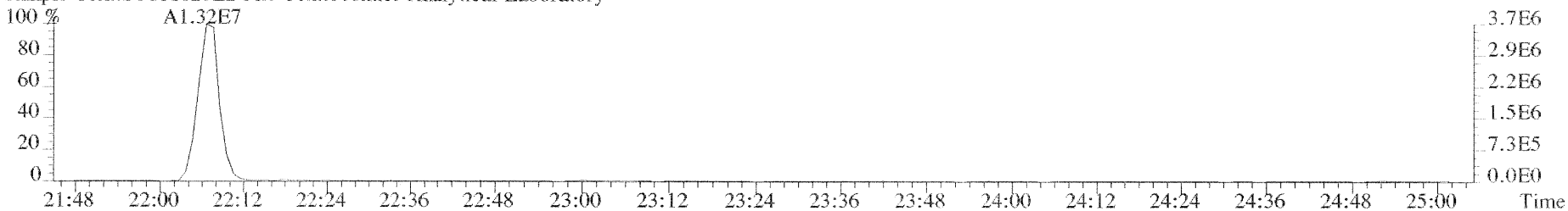
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



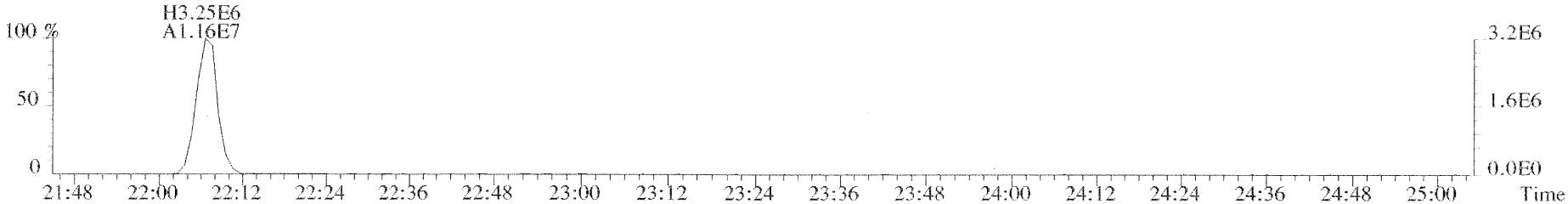
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



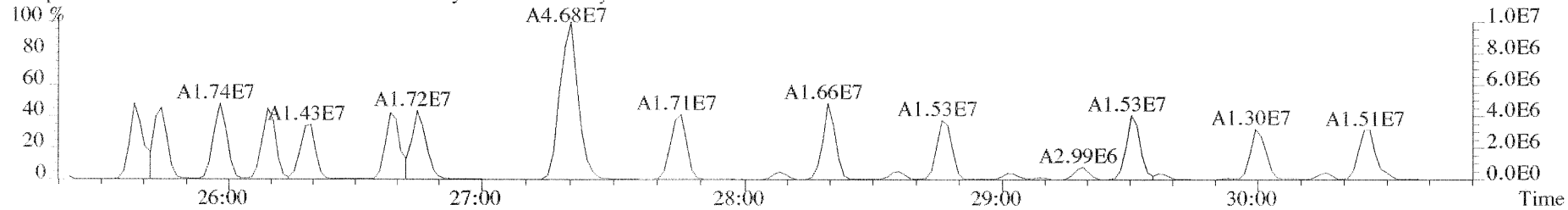
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



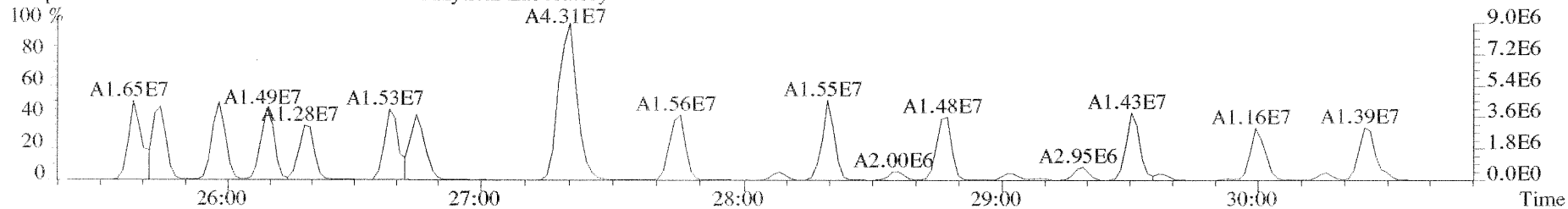
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



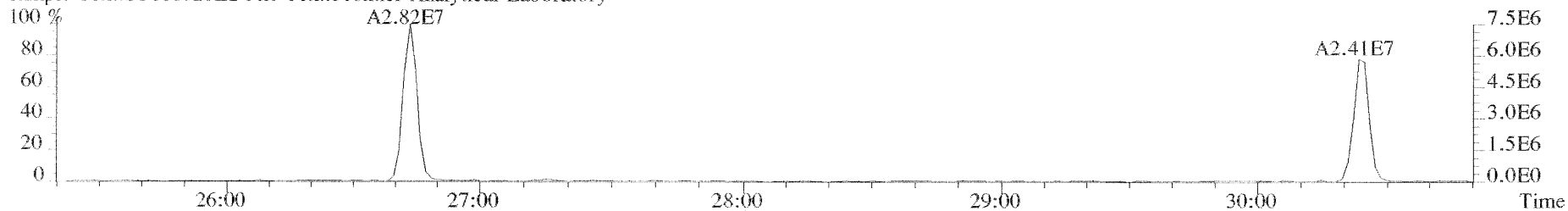
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



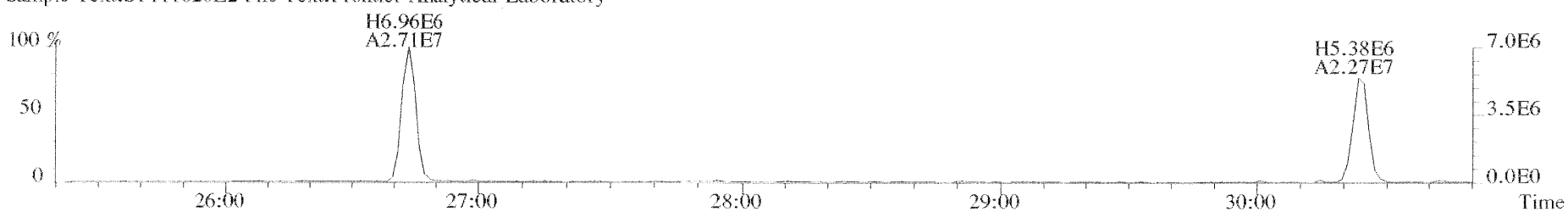
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



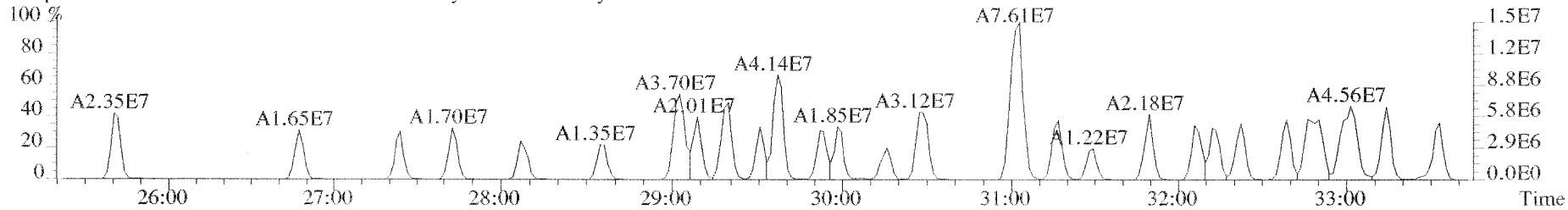
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



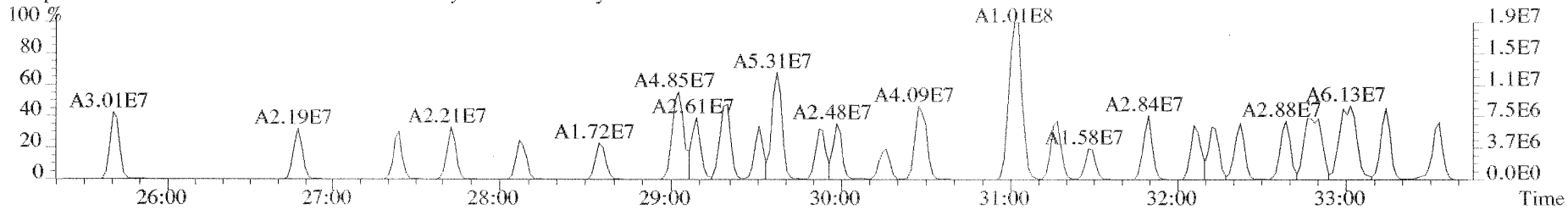
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



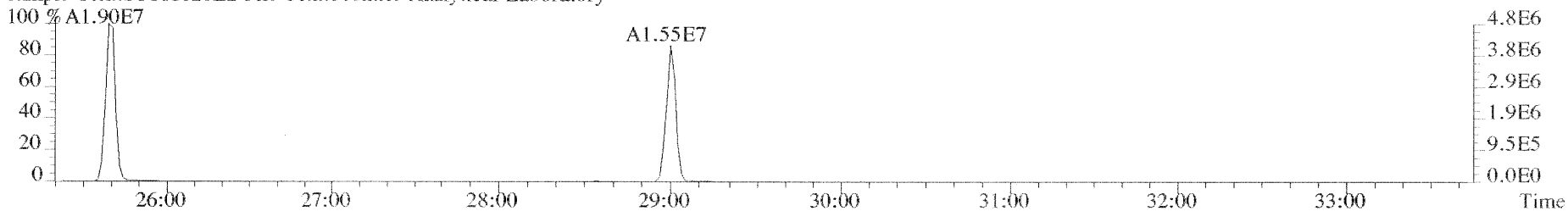
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



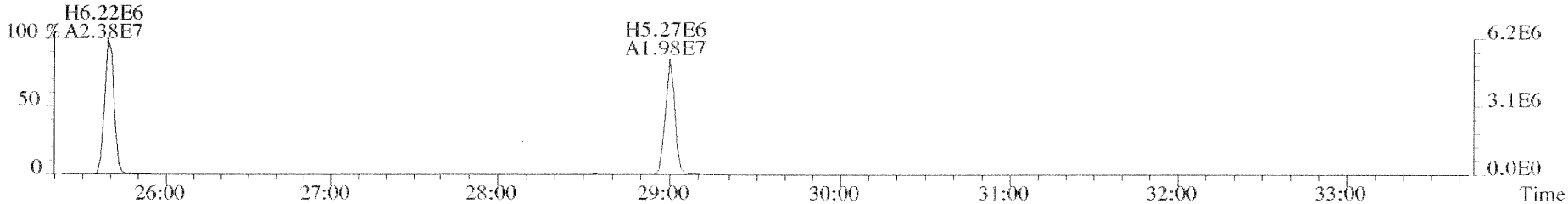
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



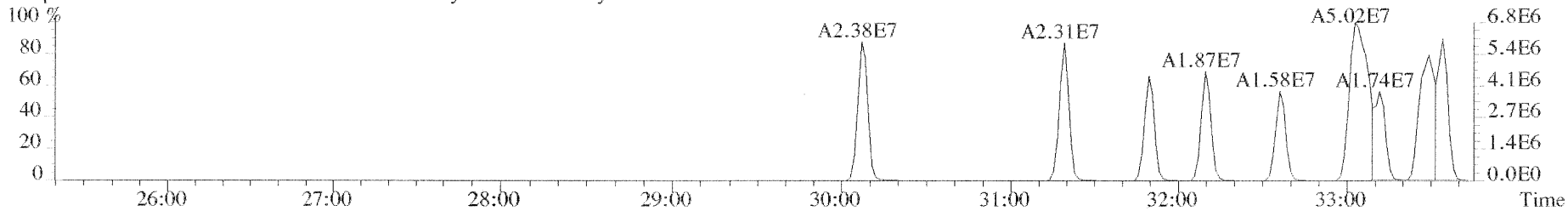
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



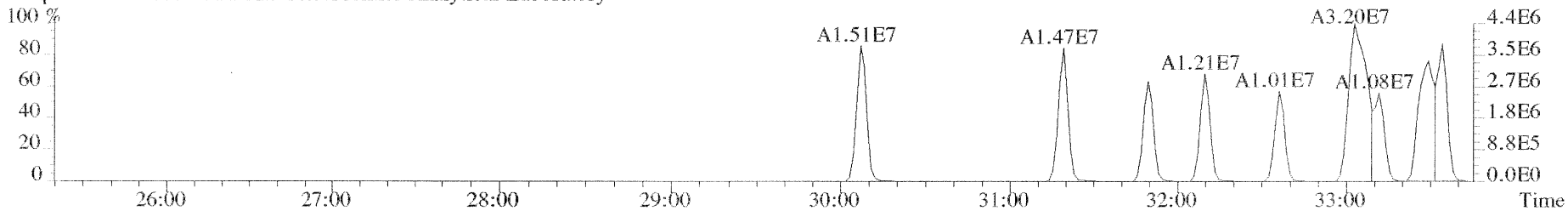
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



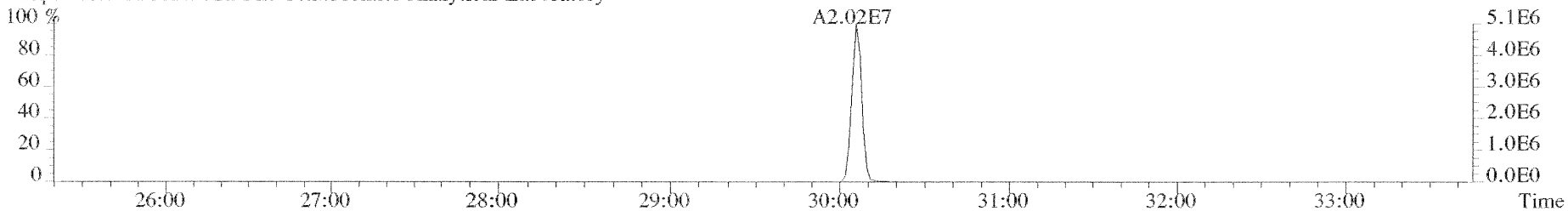
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



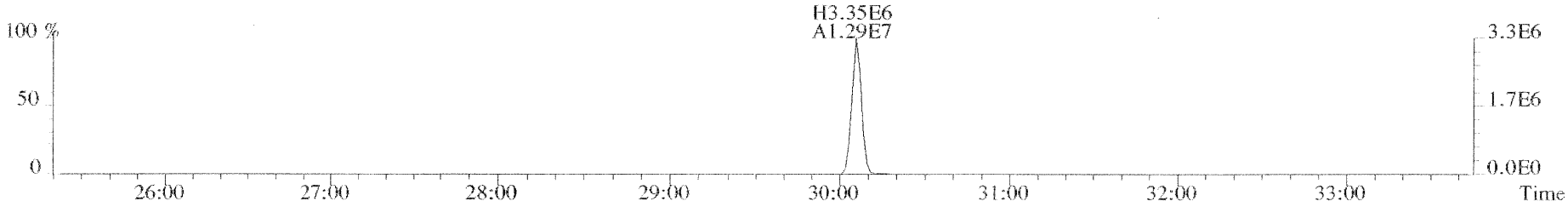
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



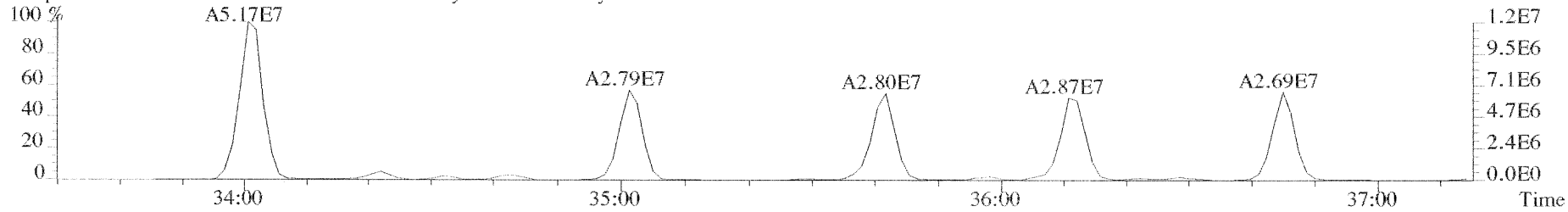
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



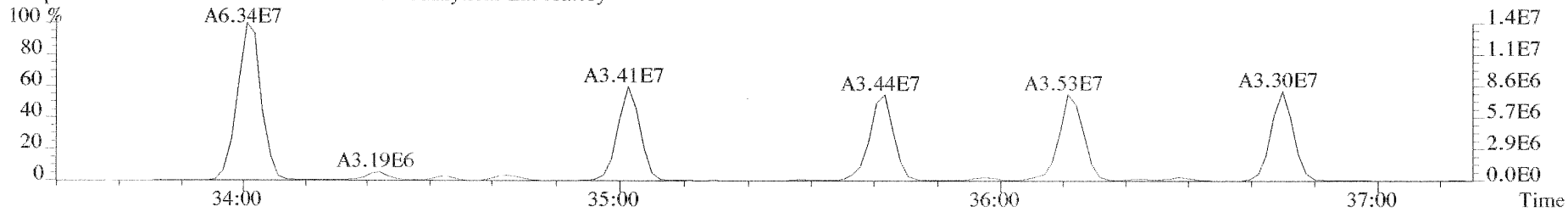
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



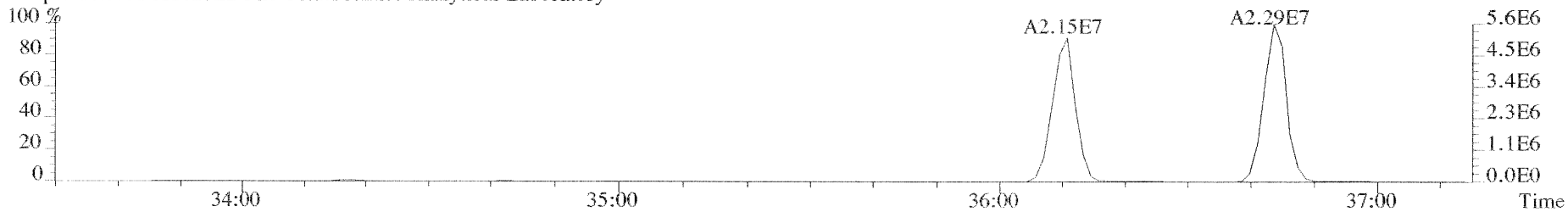
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



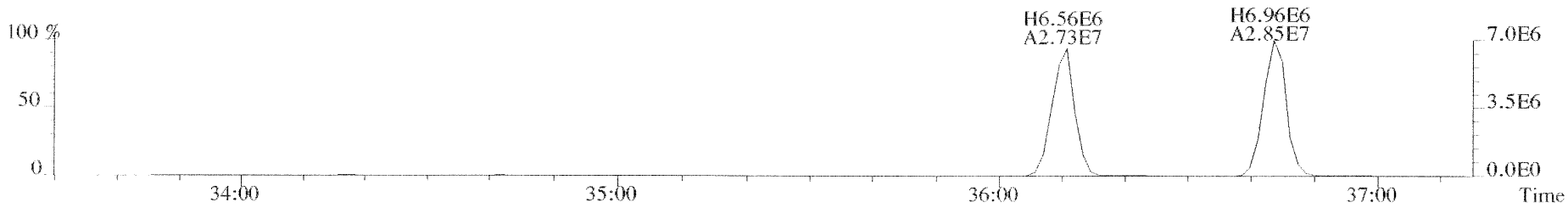
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



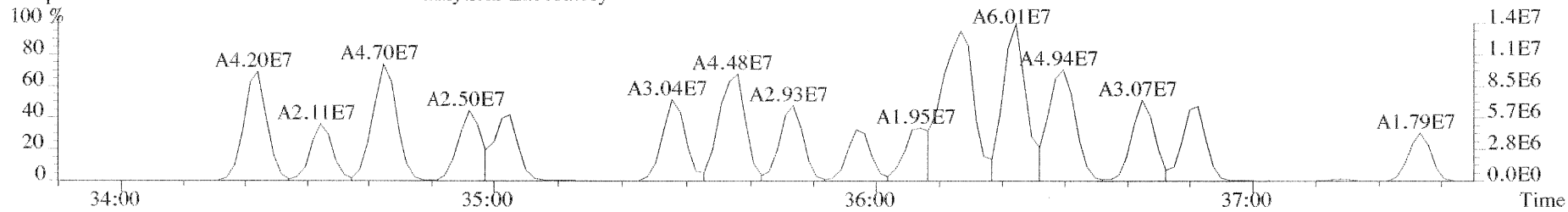
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



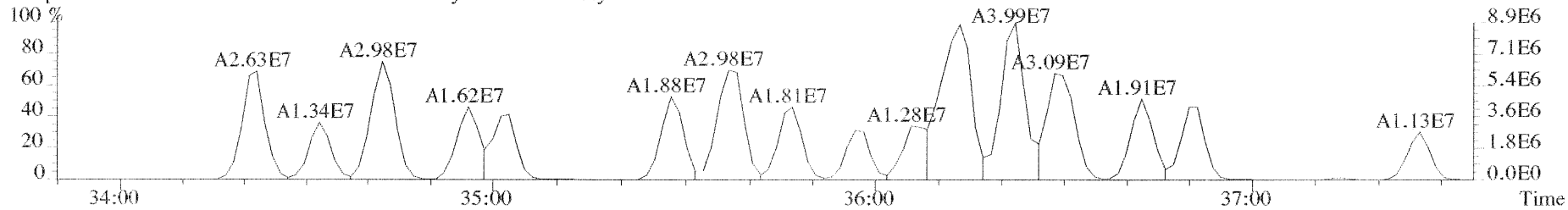
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



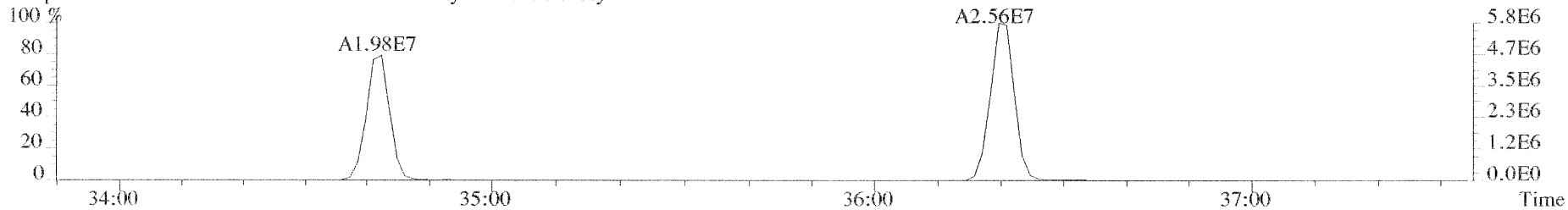
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



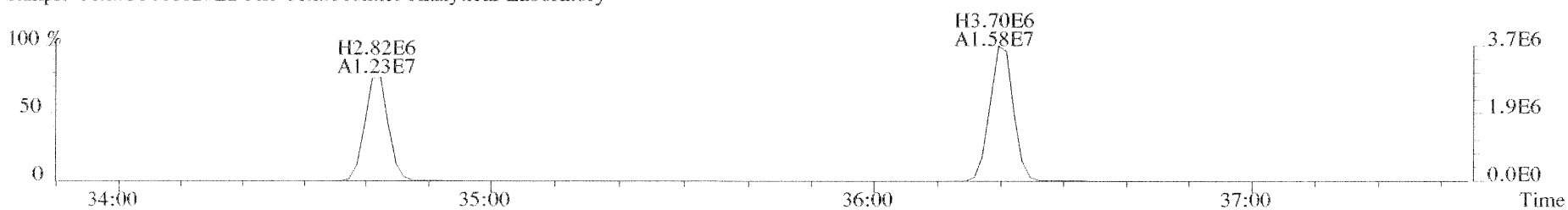
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



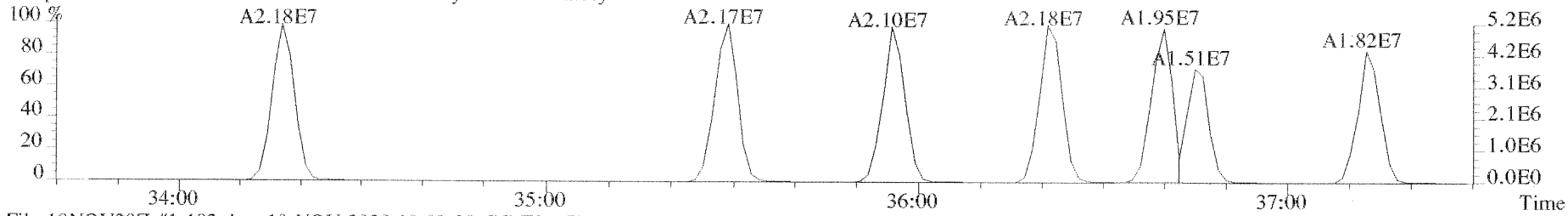
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



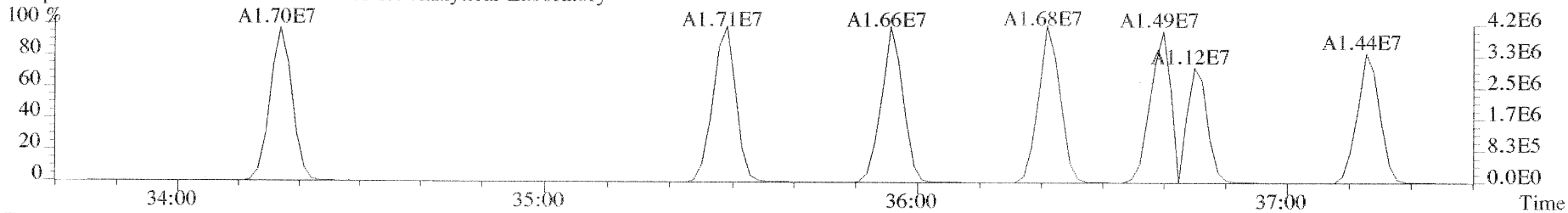
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



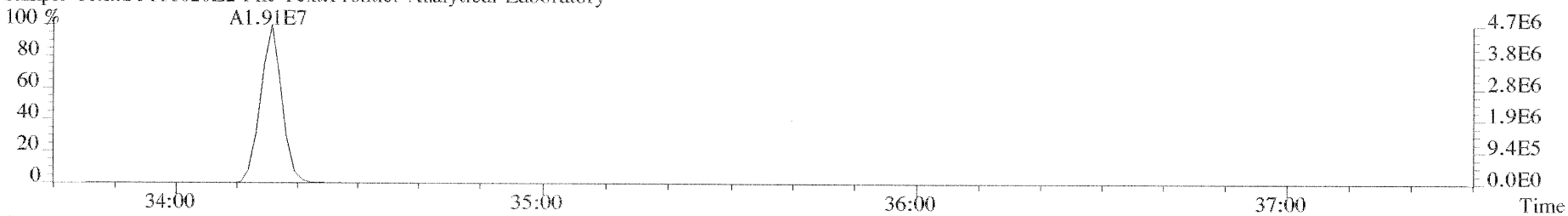
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



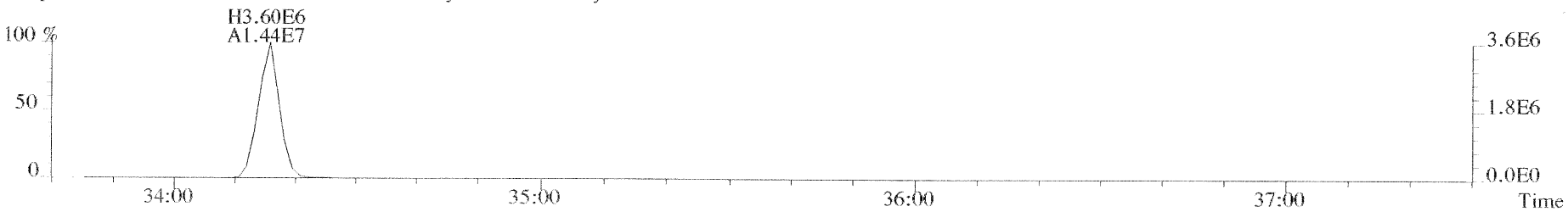
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



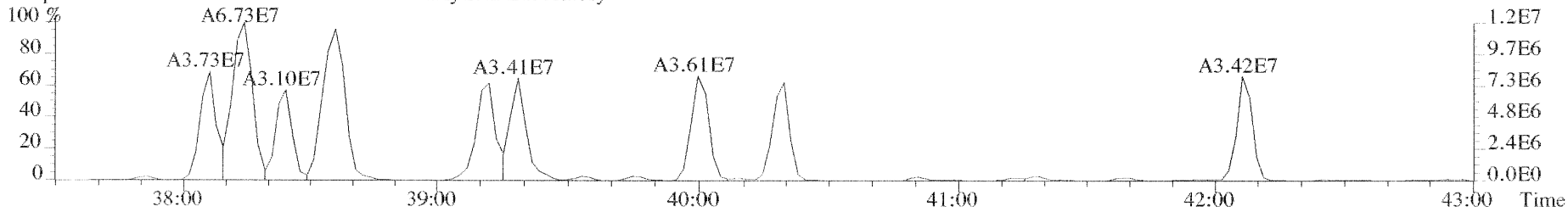
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



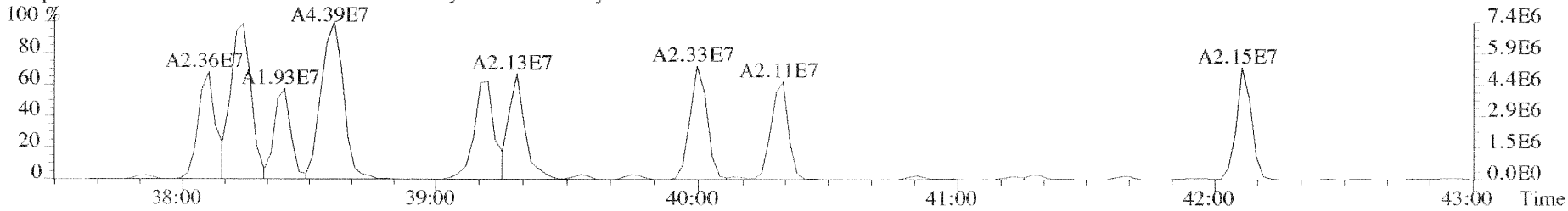
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



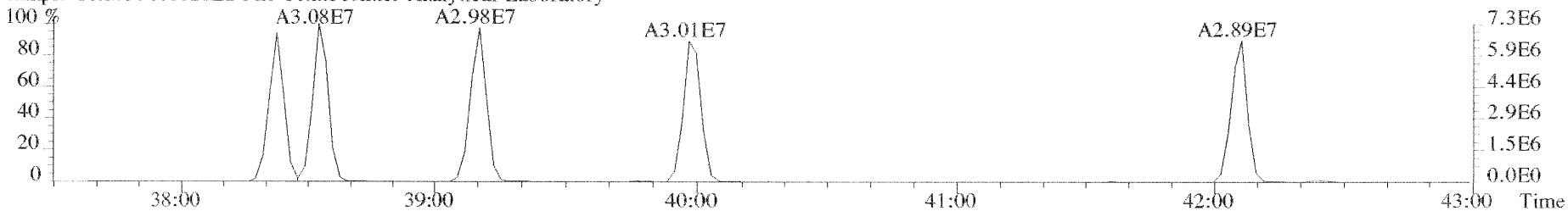
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



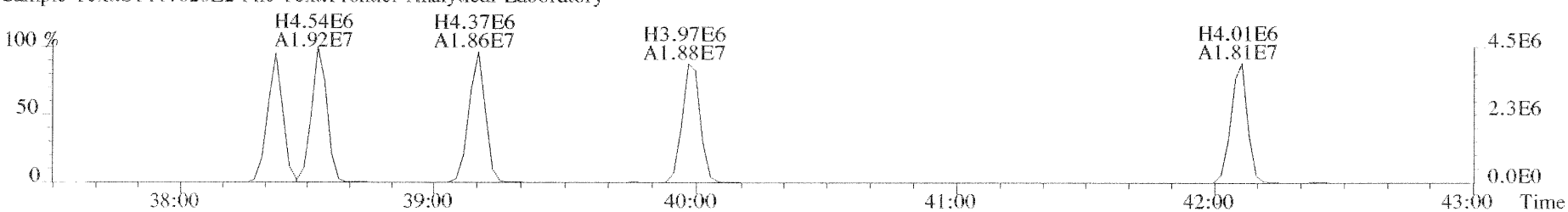
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



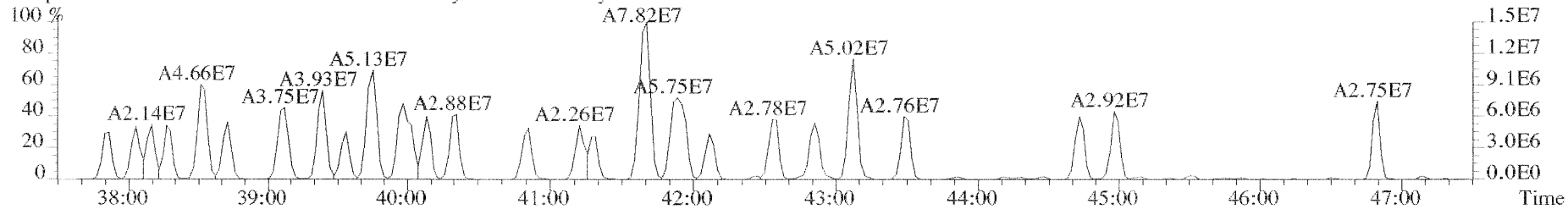
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



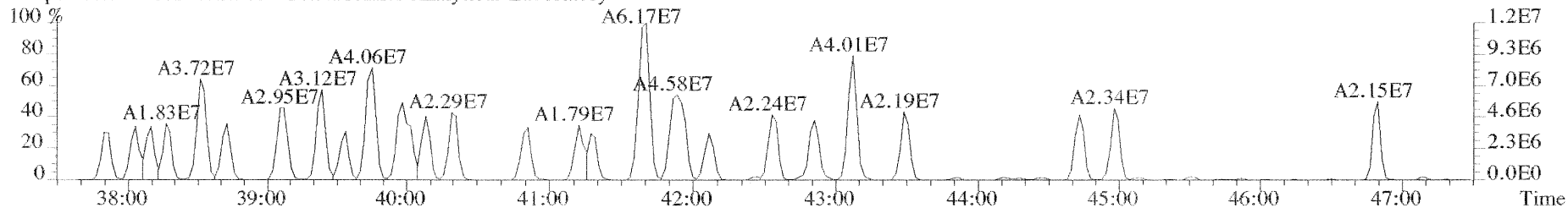
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



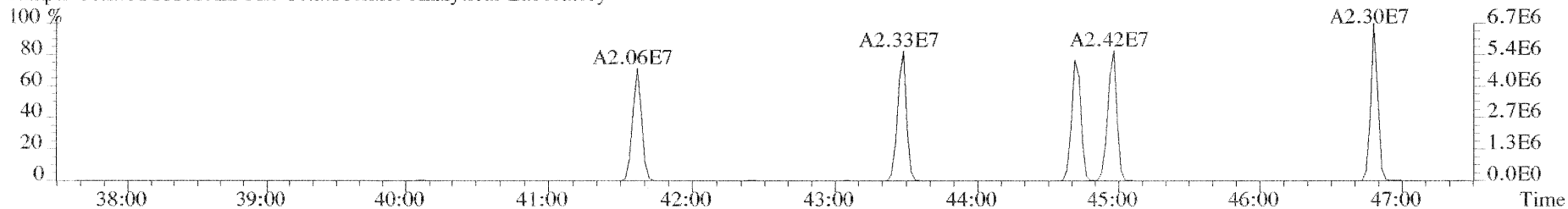
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



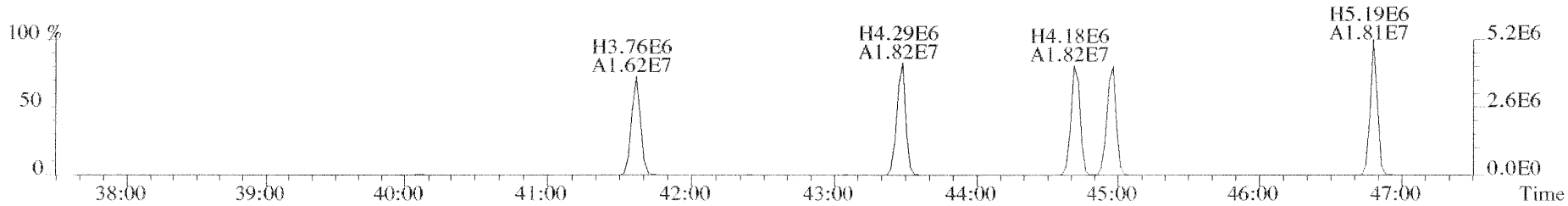
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



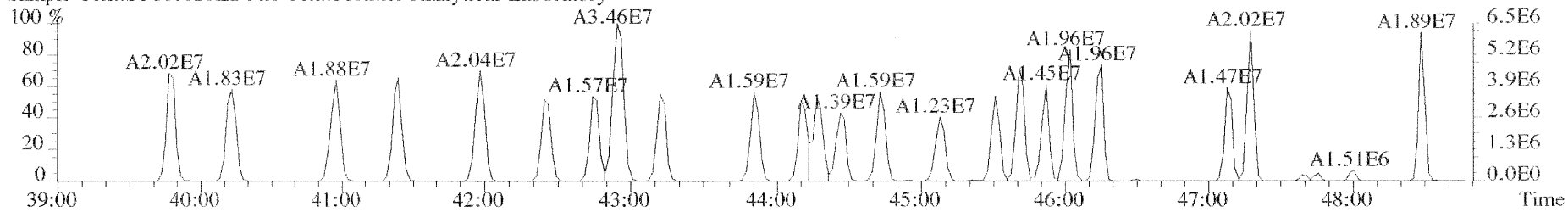
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



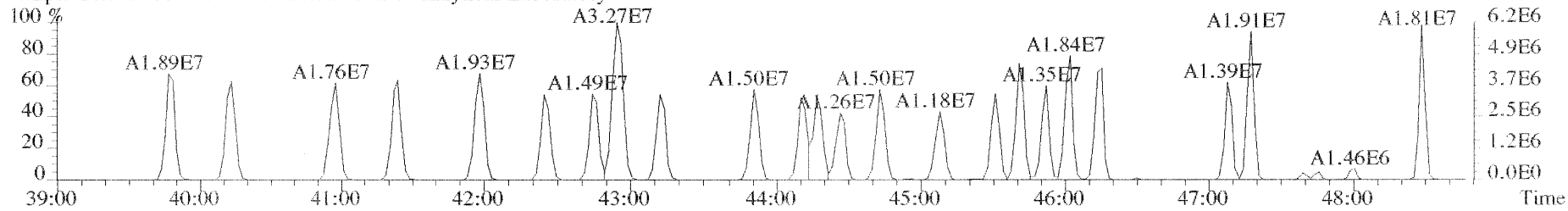
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



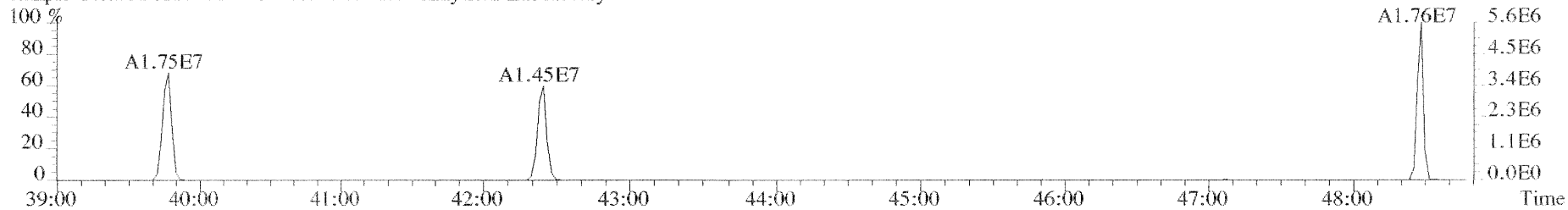
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



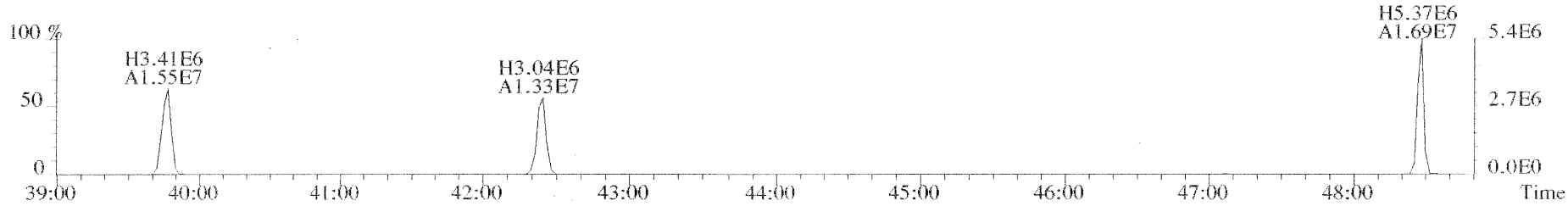
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



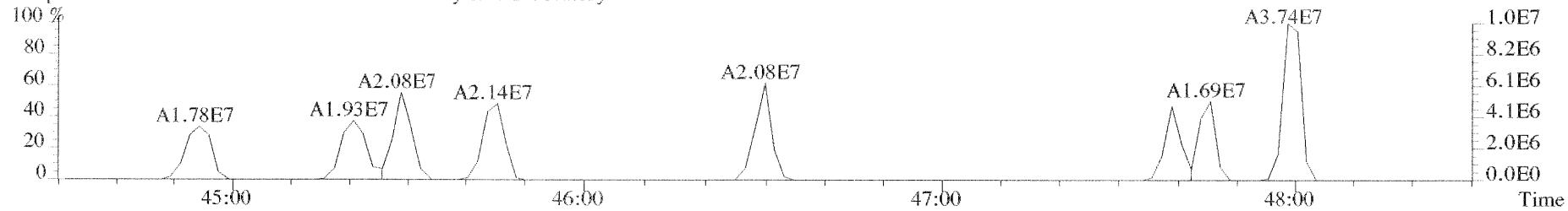
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



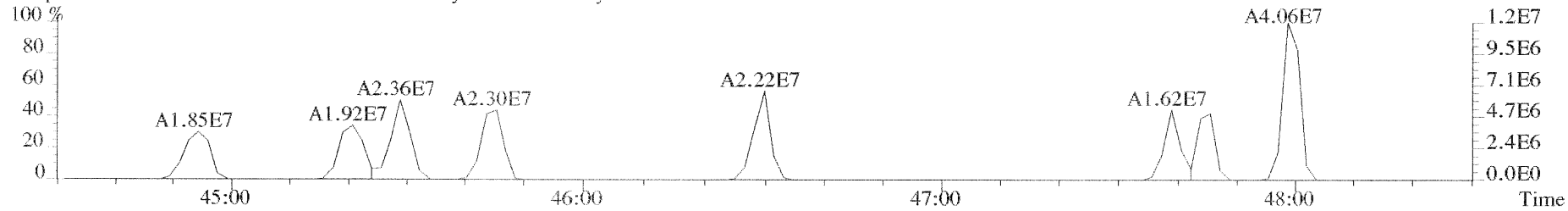
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



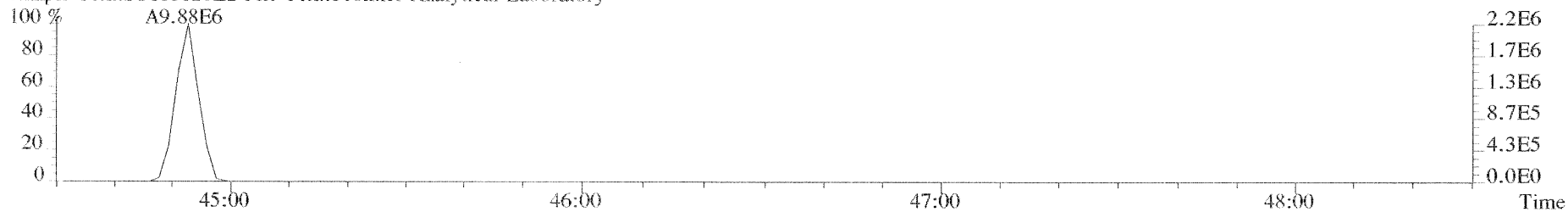
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



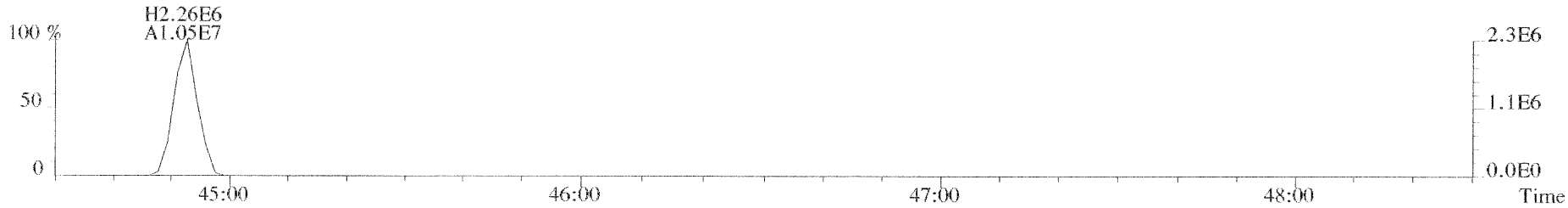
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



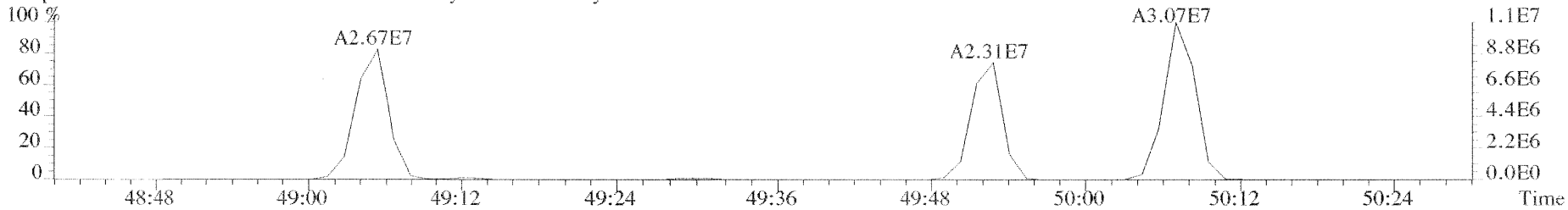
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



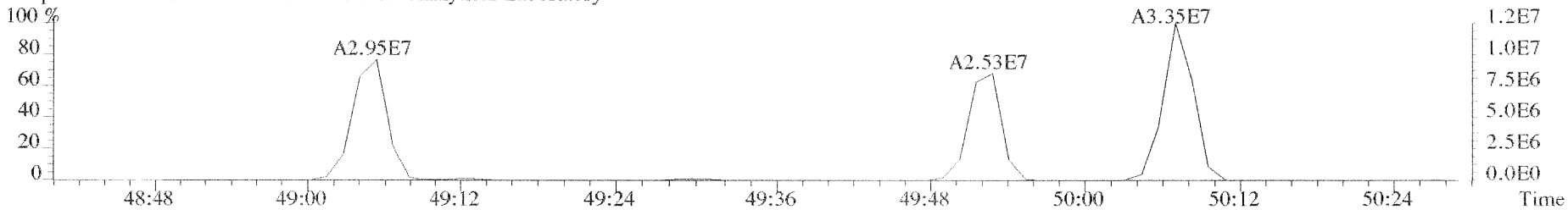
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



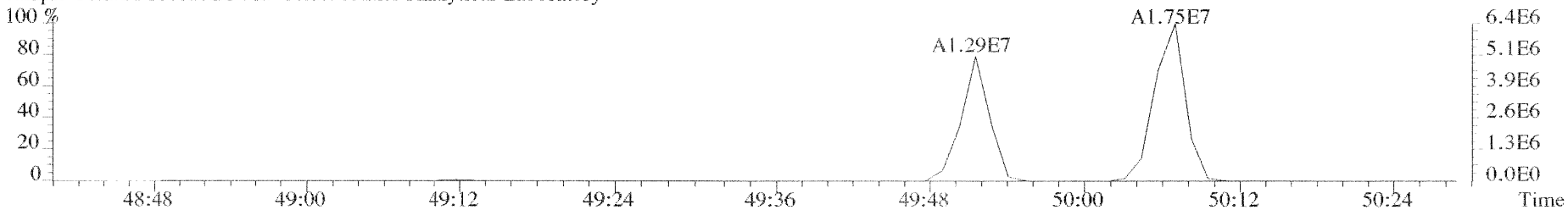
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



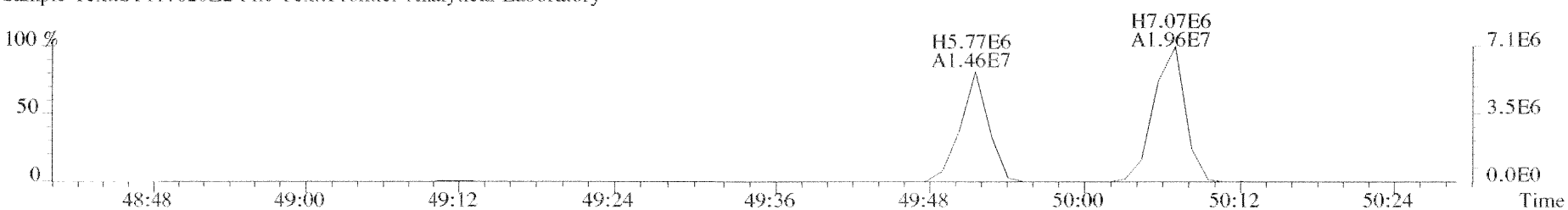
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



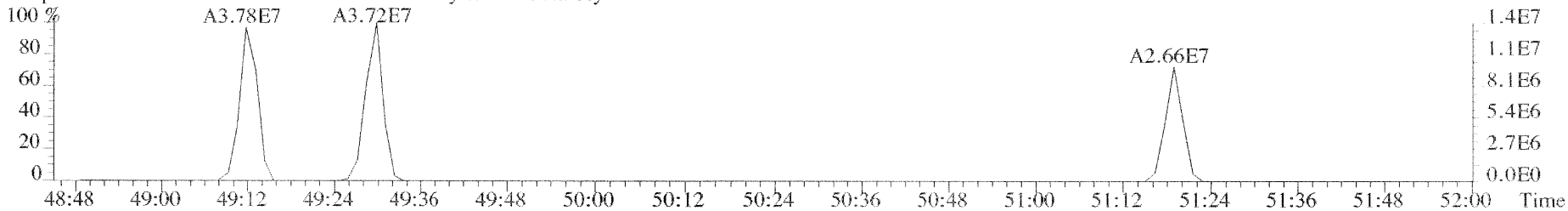
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



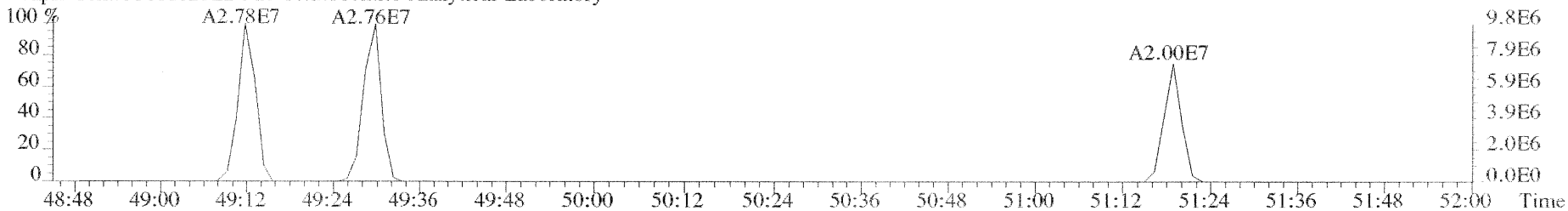
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



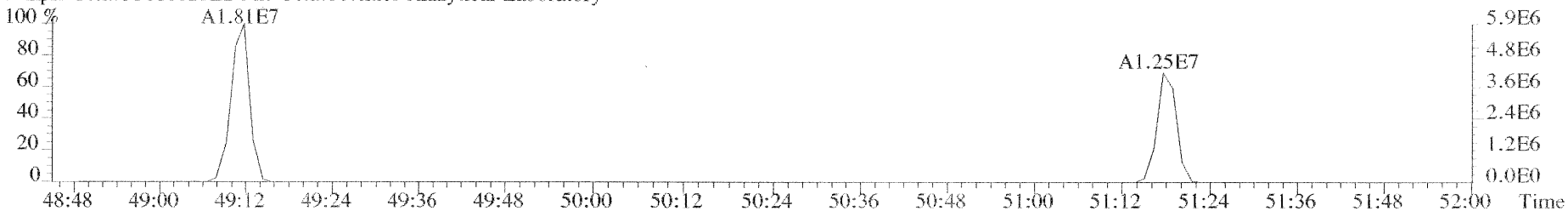
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



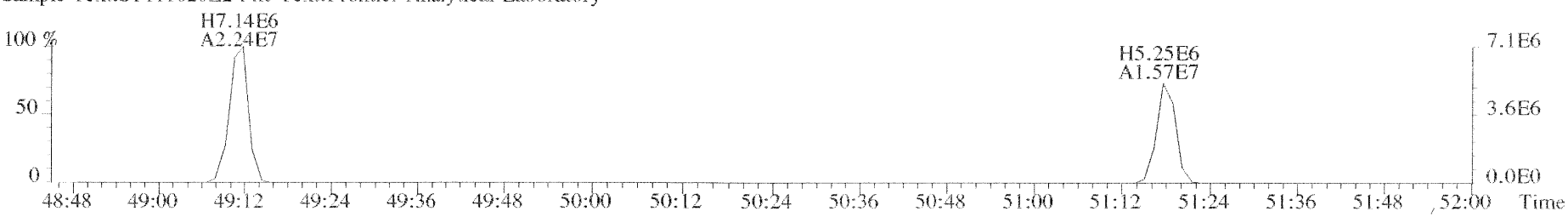
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



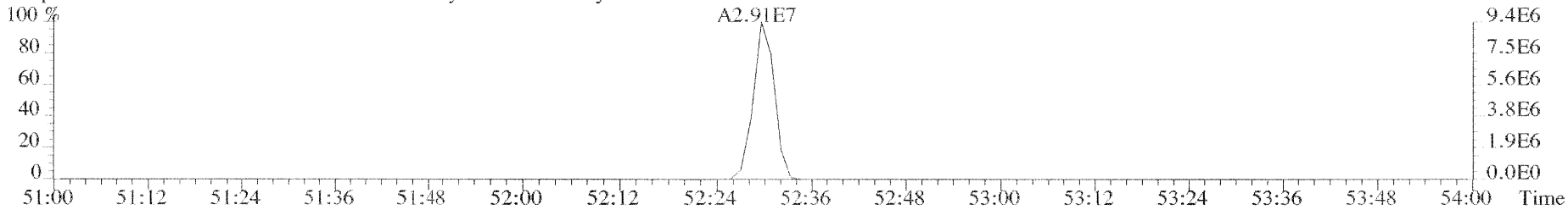
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



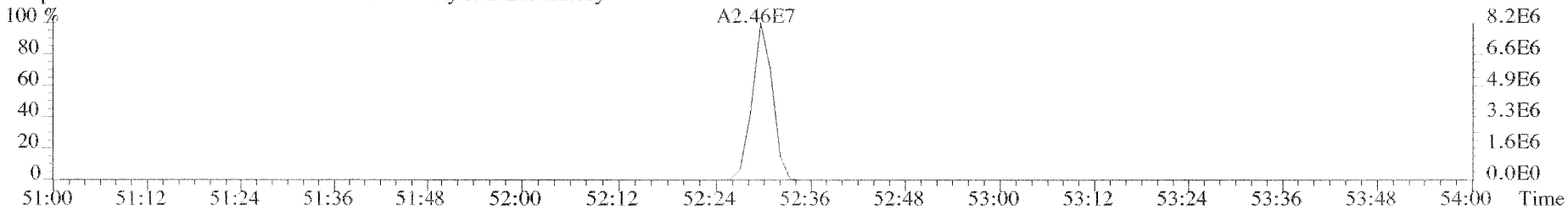
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



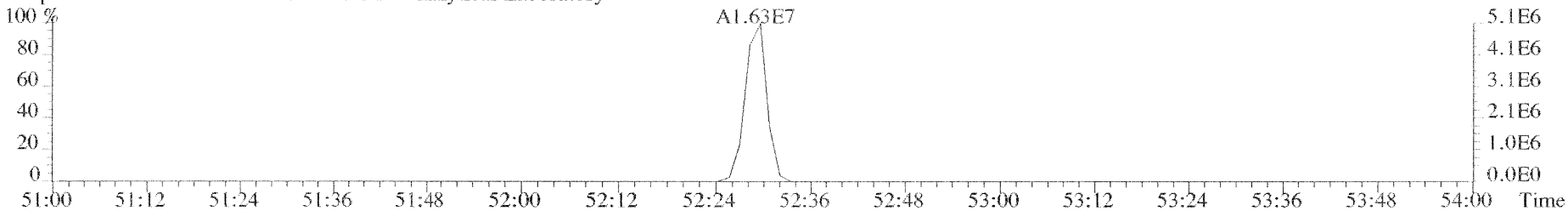
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



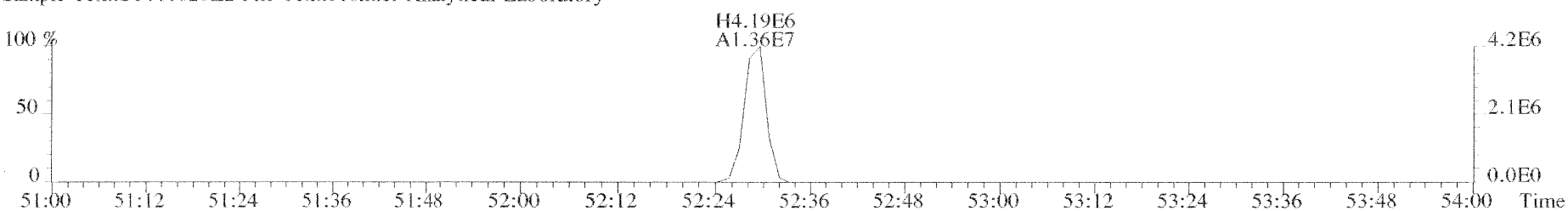
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



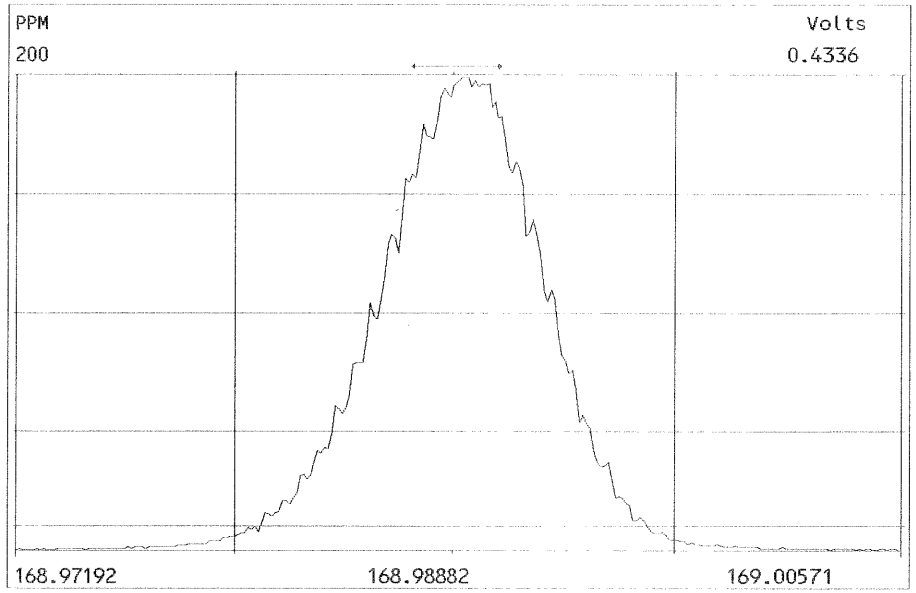
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

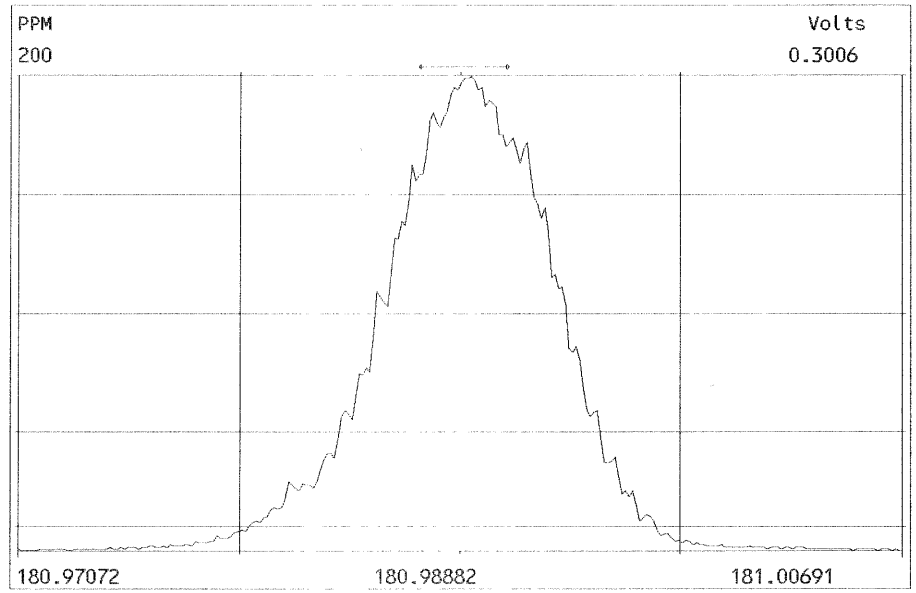


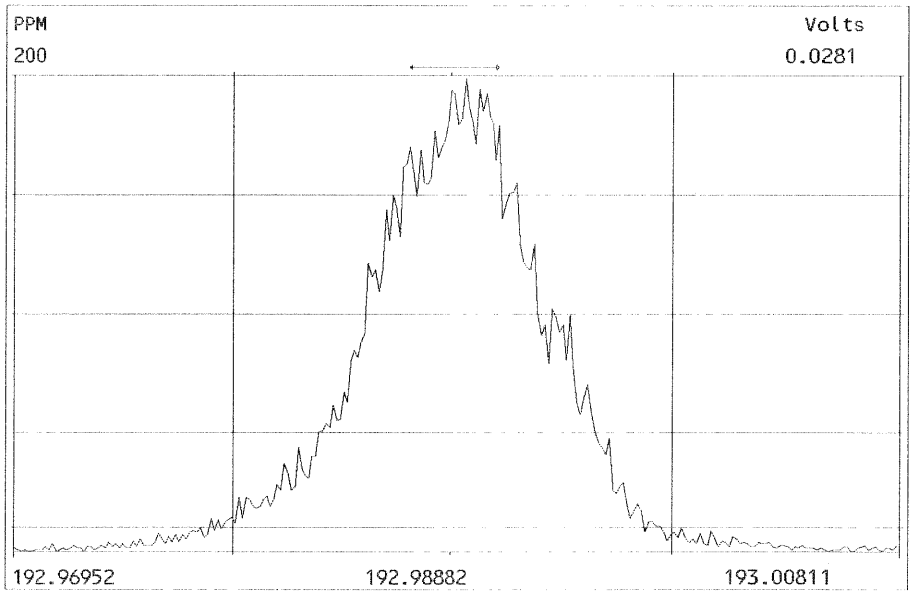
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

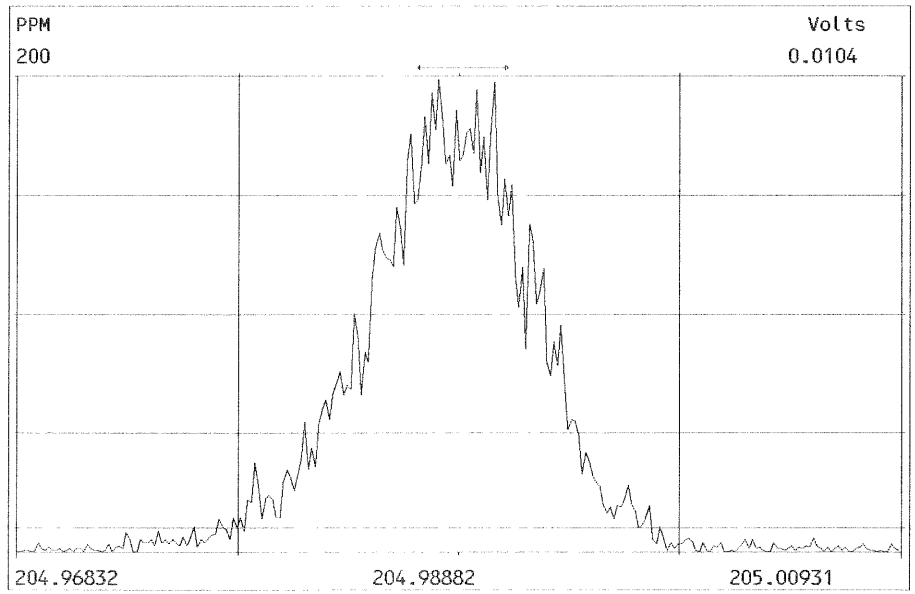


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

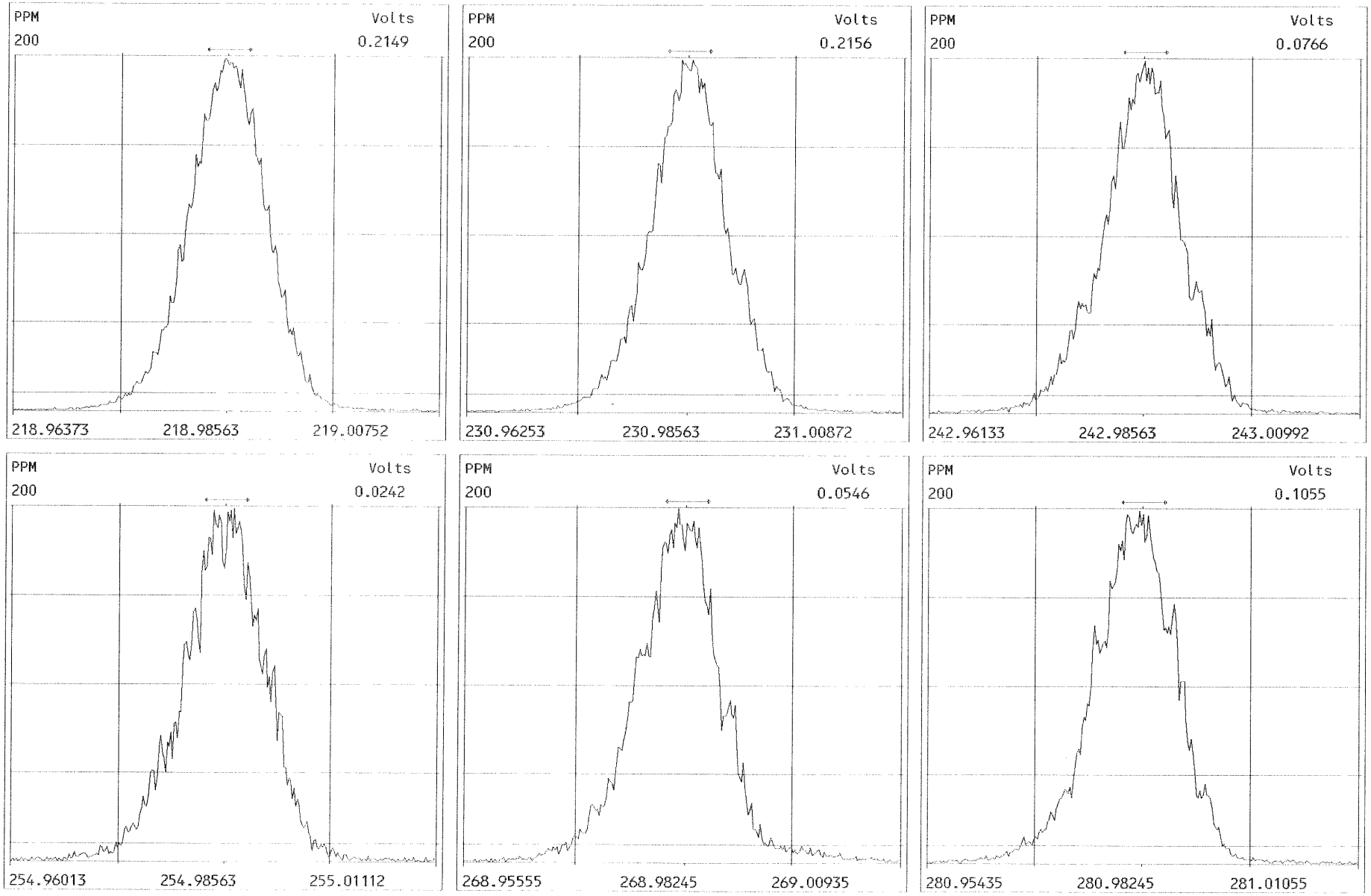




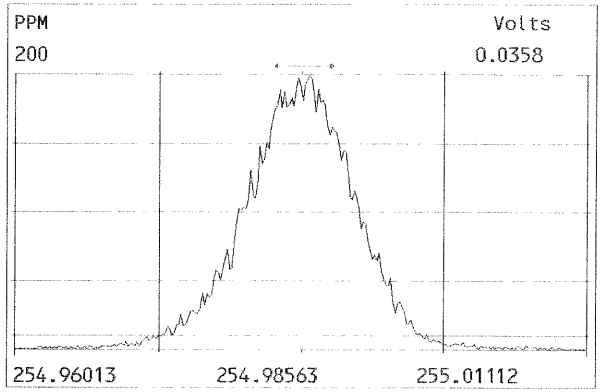


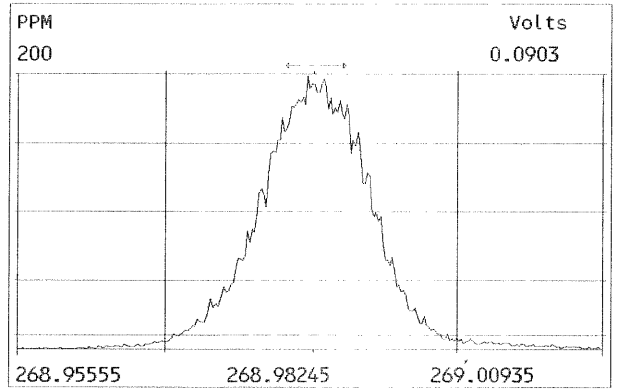


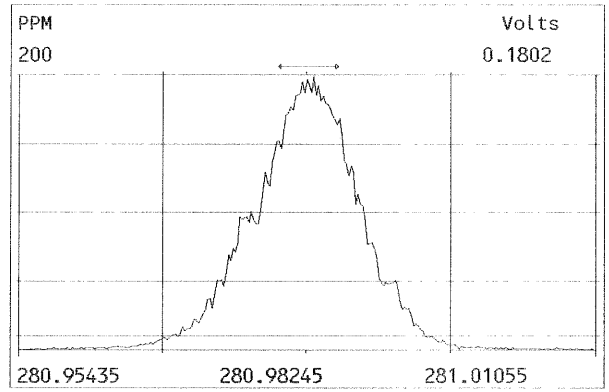
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

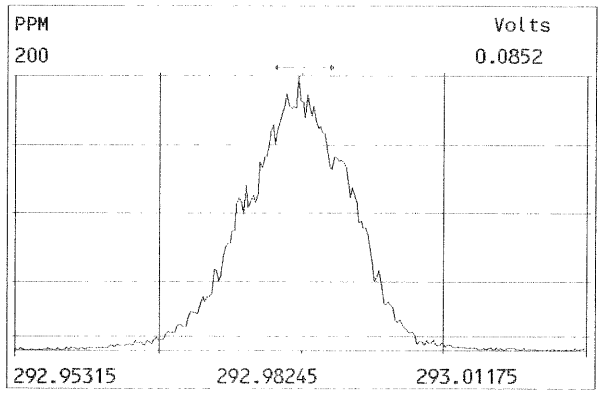


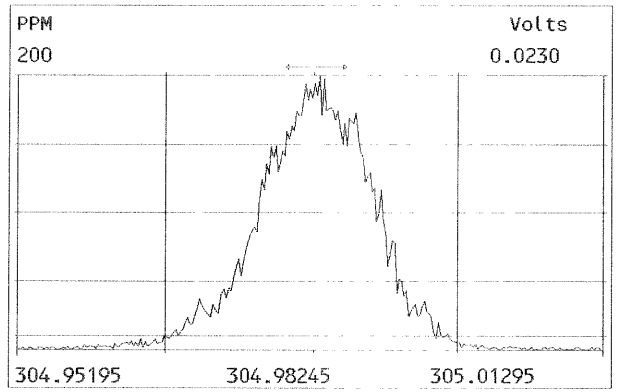
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

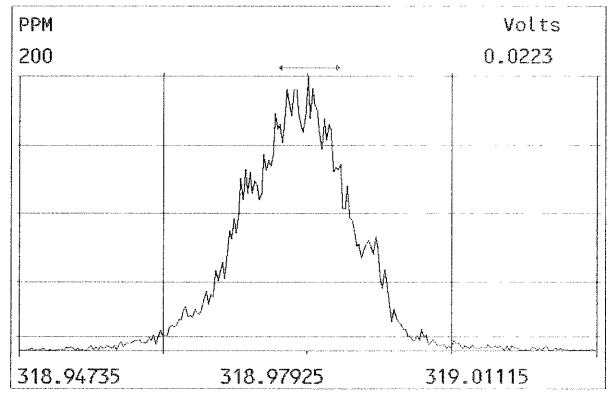


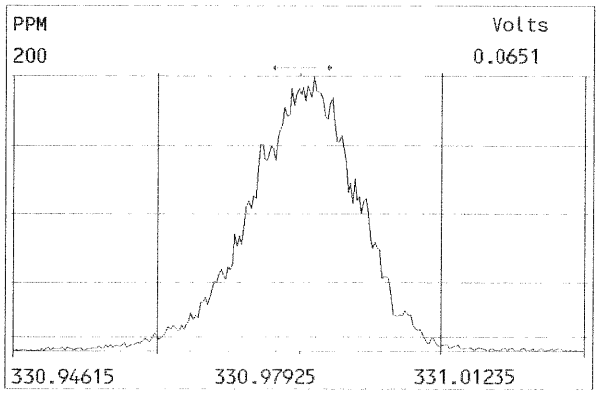


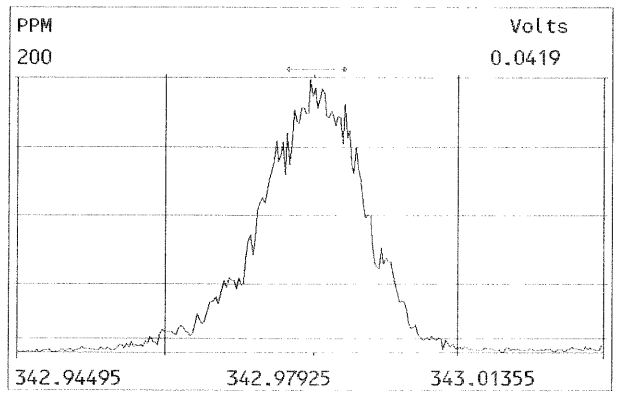




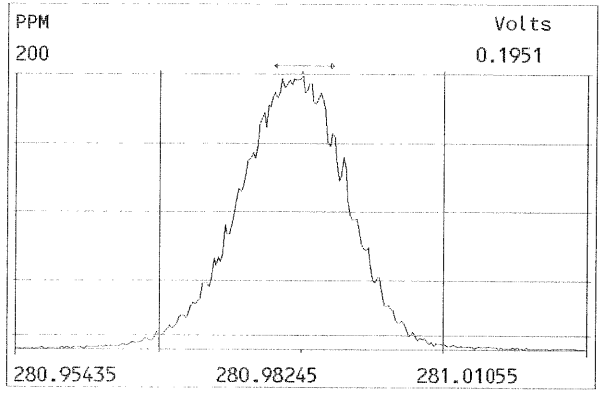


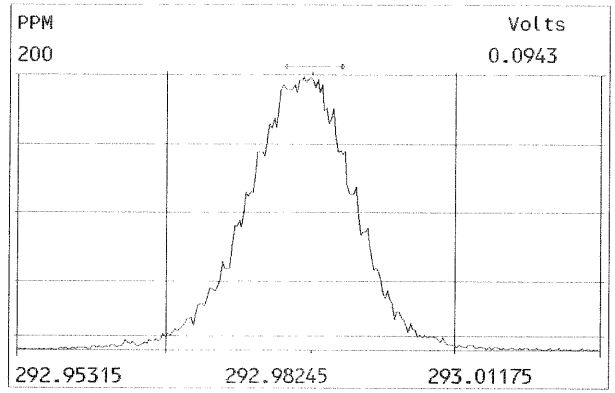


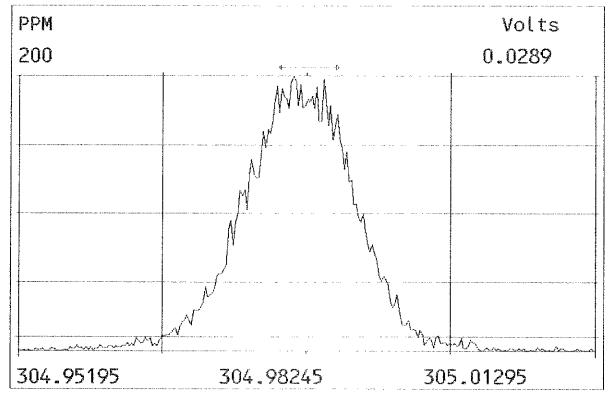


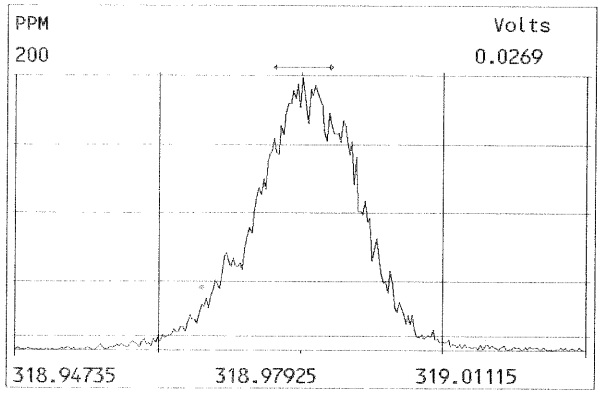


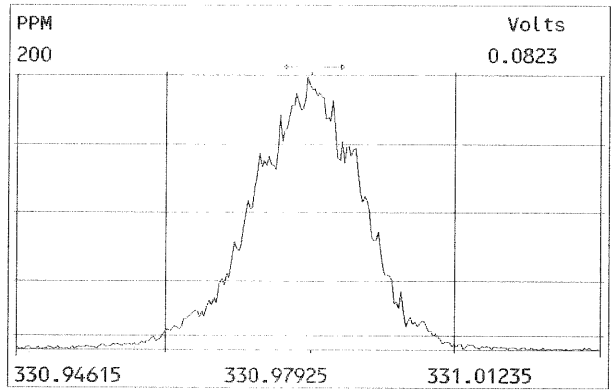
Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

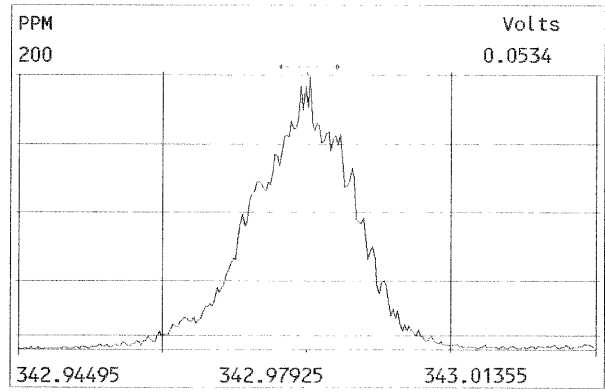


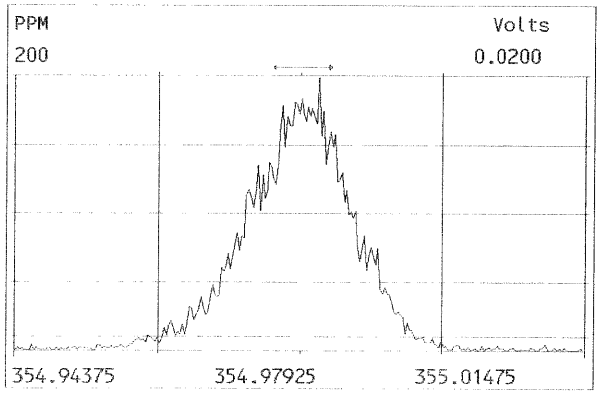


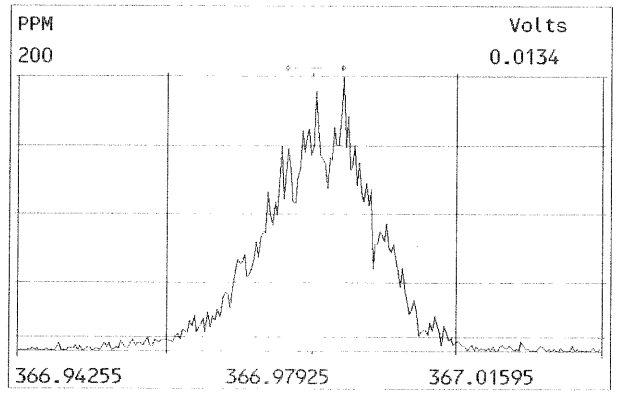


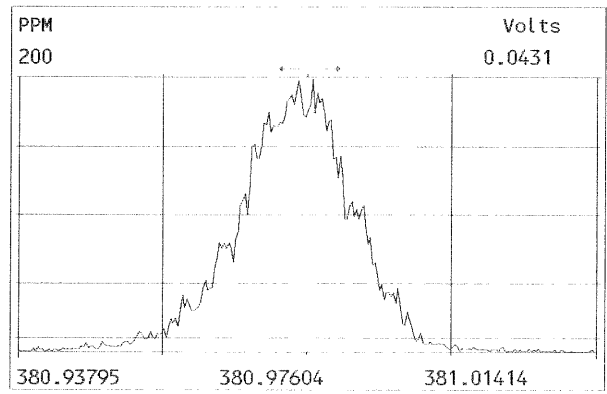




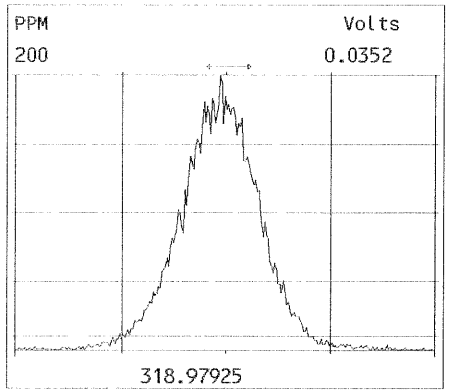


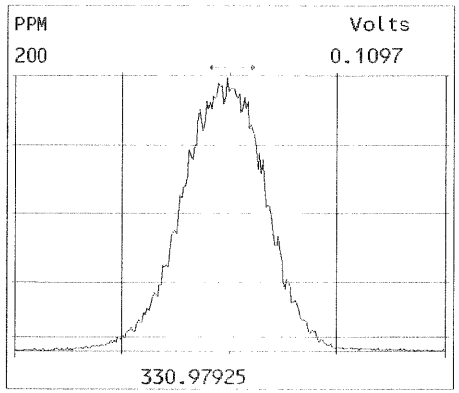


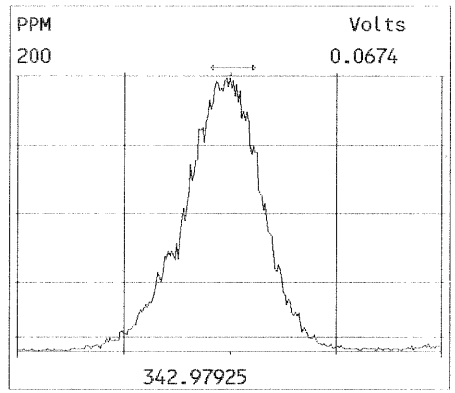


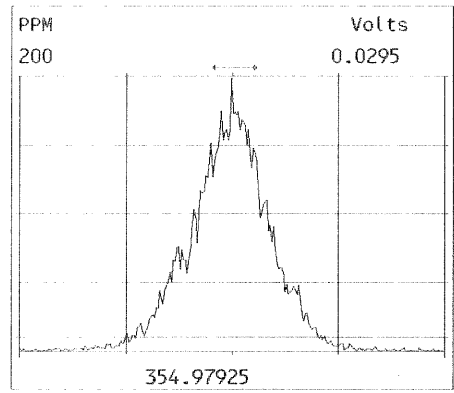


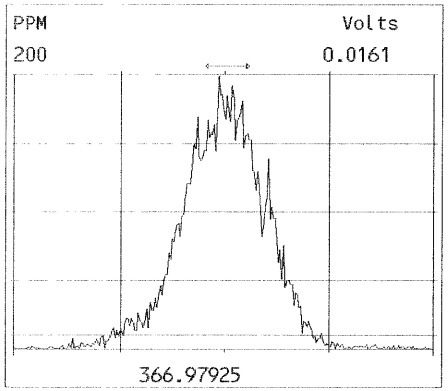
Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

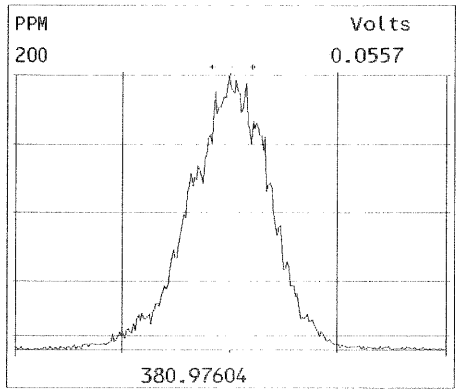


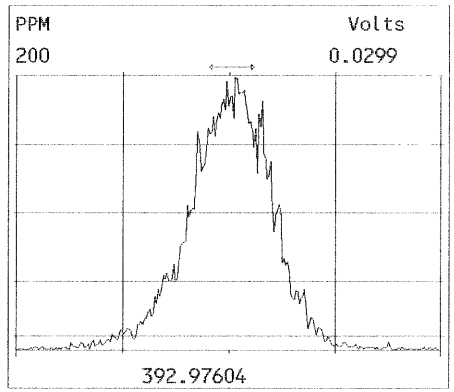


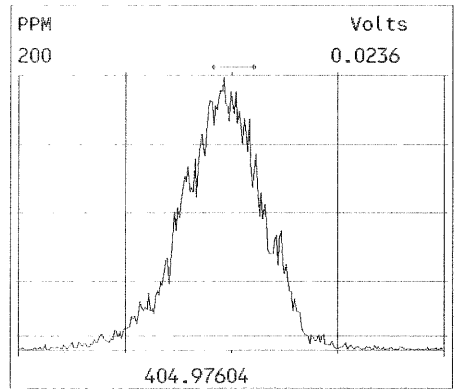


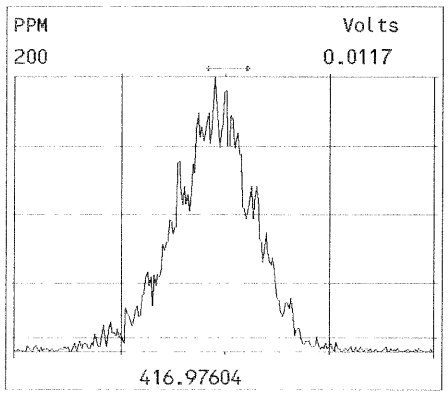


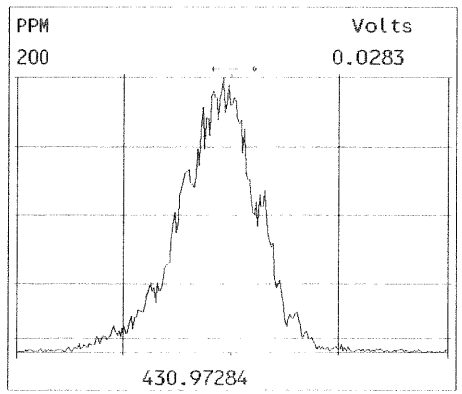


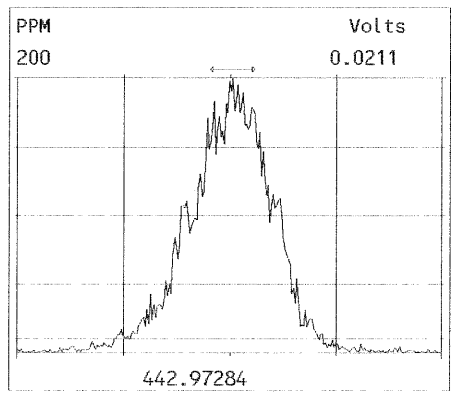
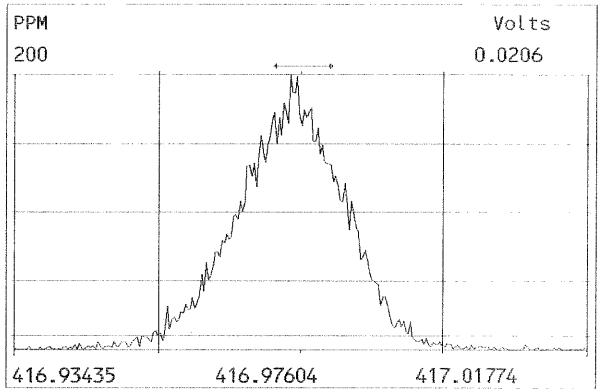
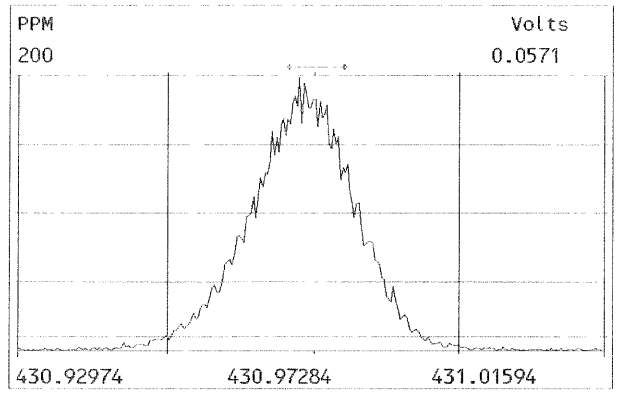
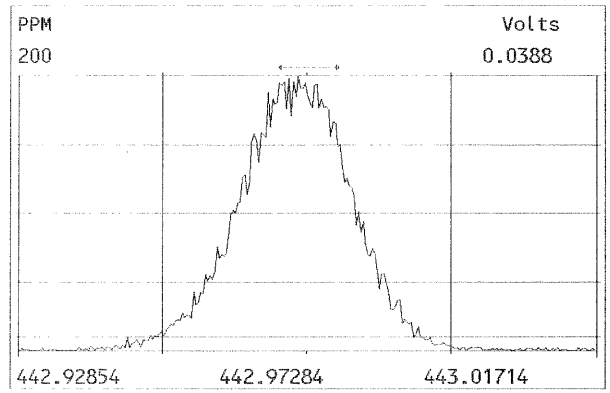
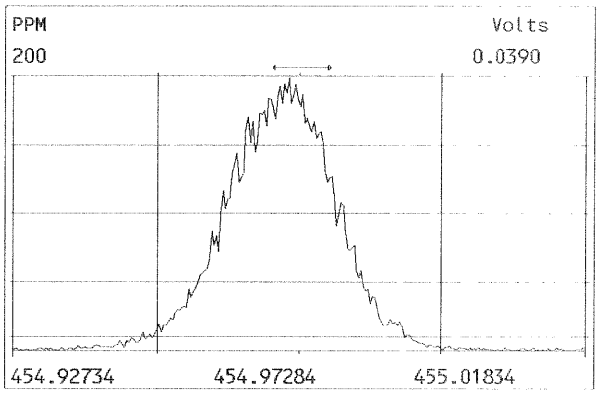
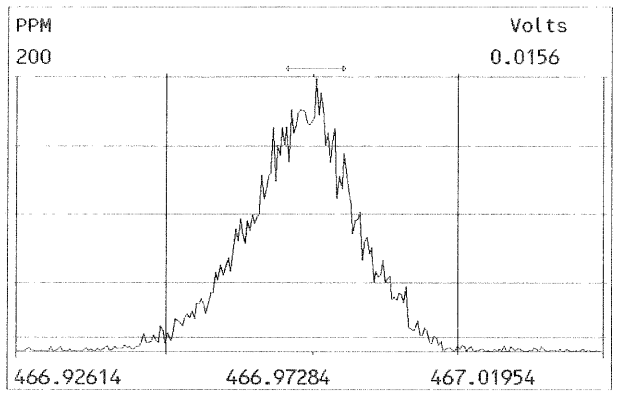
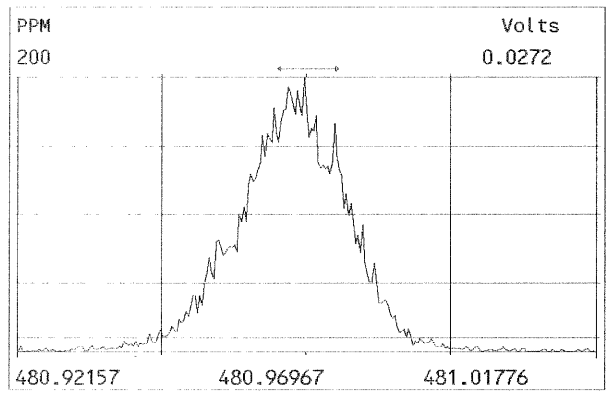
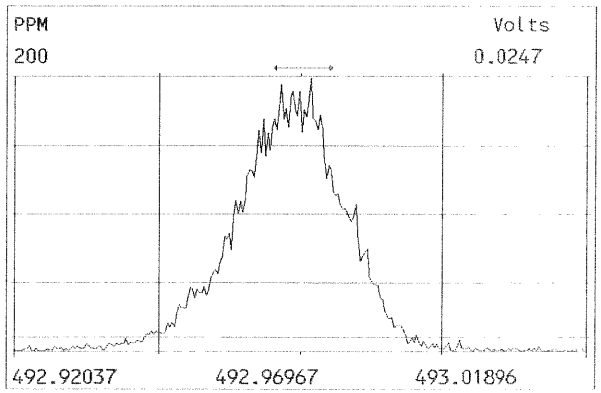
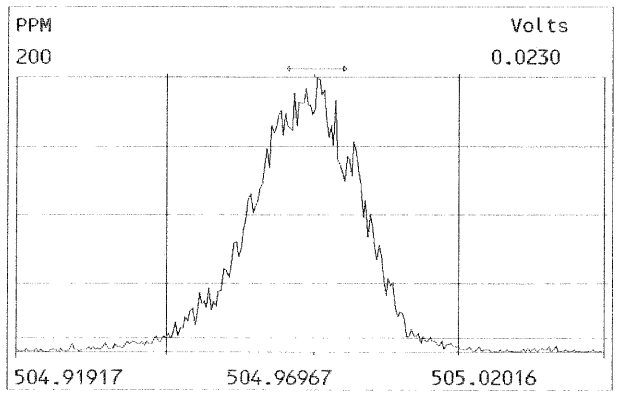
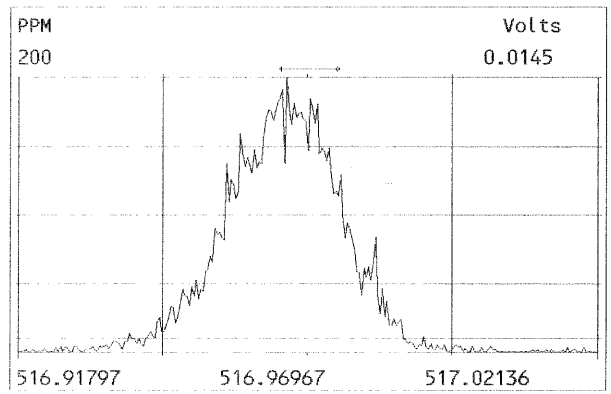








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Experiment:1668PCB Function:6 Reference:PFK