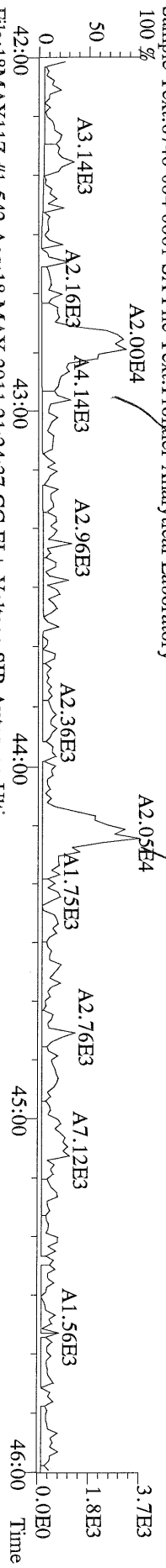
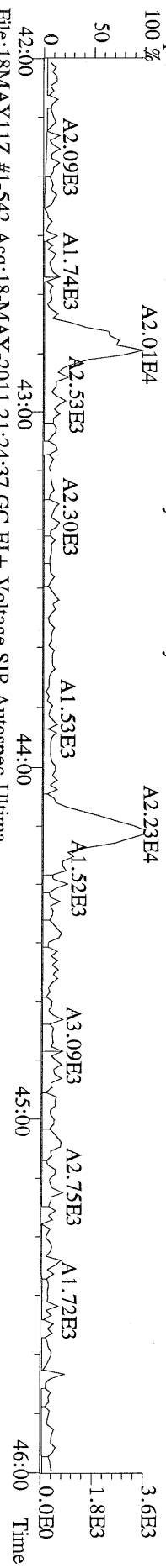


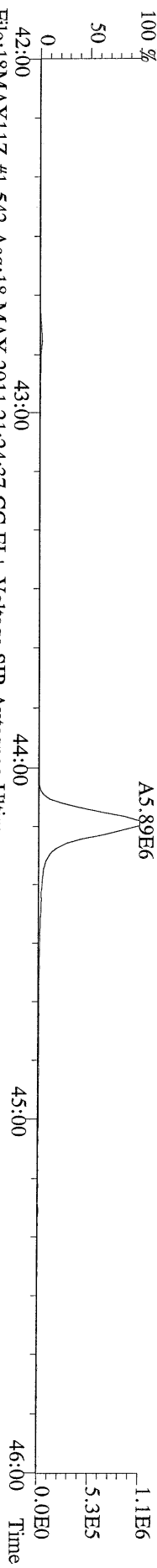
File:18MAY11Z #1-542 Acq:18-MAY-2011 21:24:37 GC EI + Voltage SIR Autospec-Ultima
423.7767 S:11 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



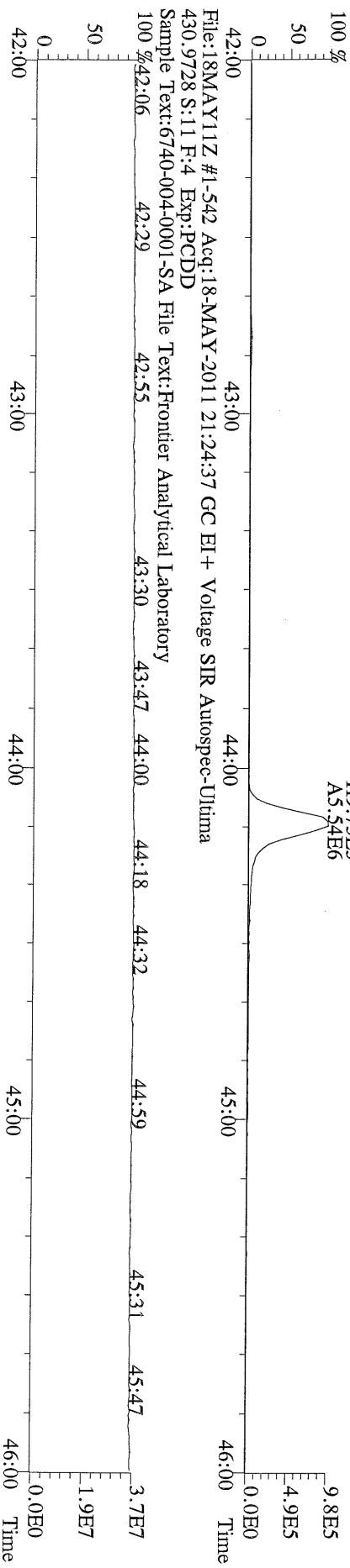
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Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



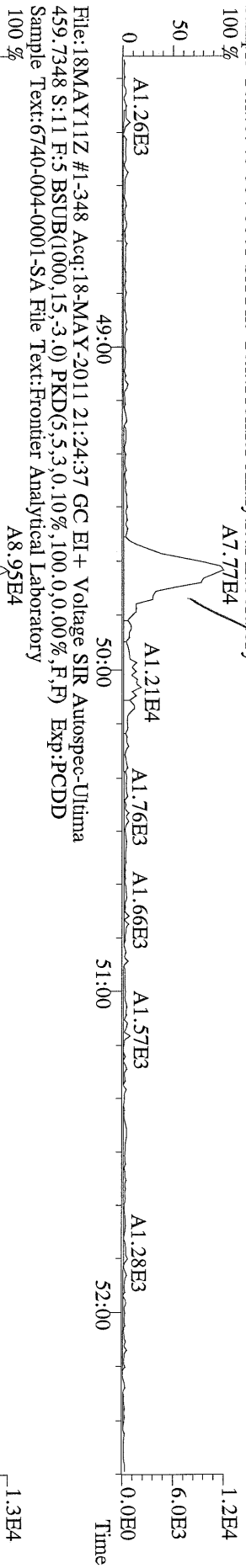
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435.8169 S:11 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



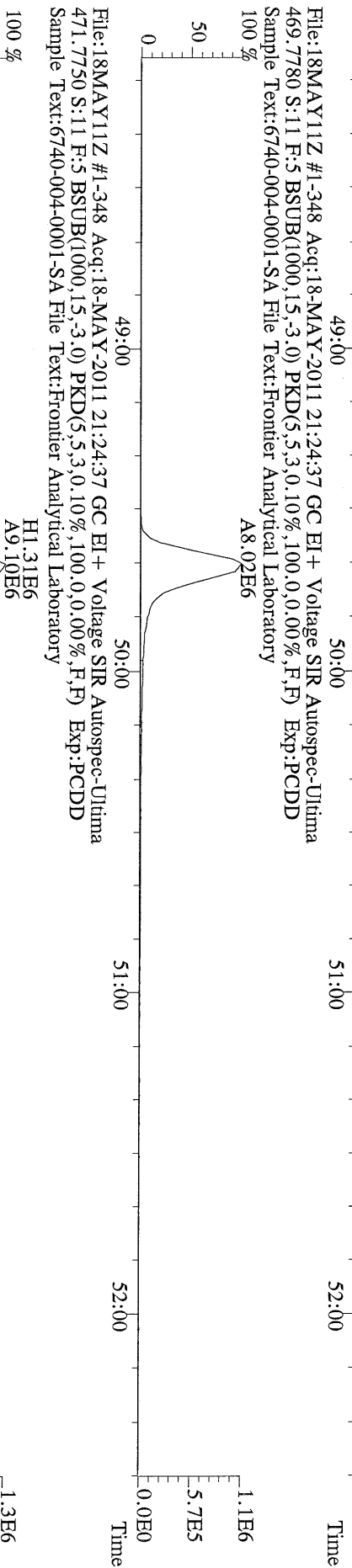
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Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



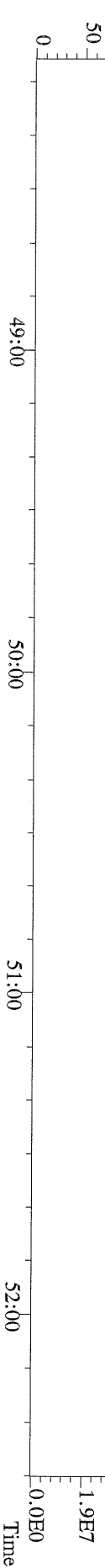
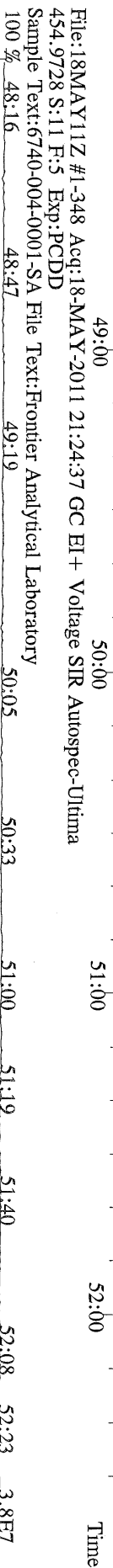
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457.7377 S:11 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD
Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



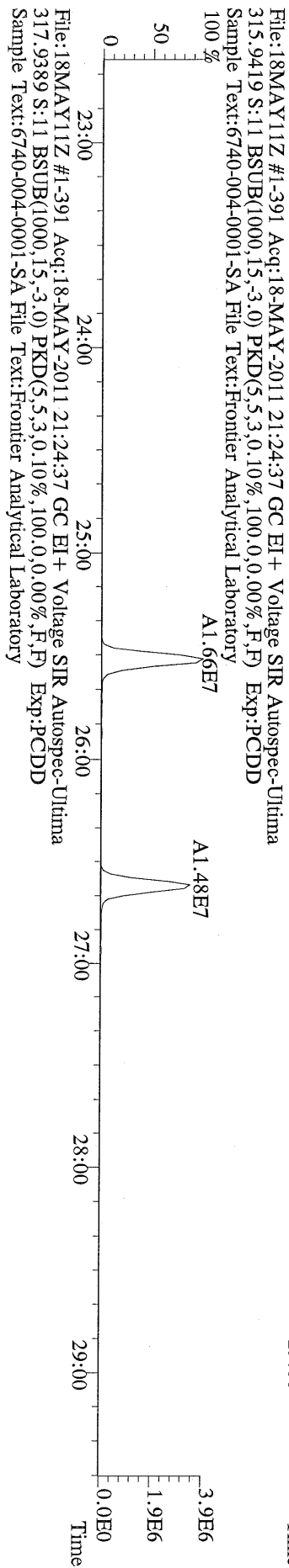
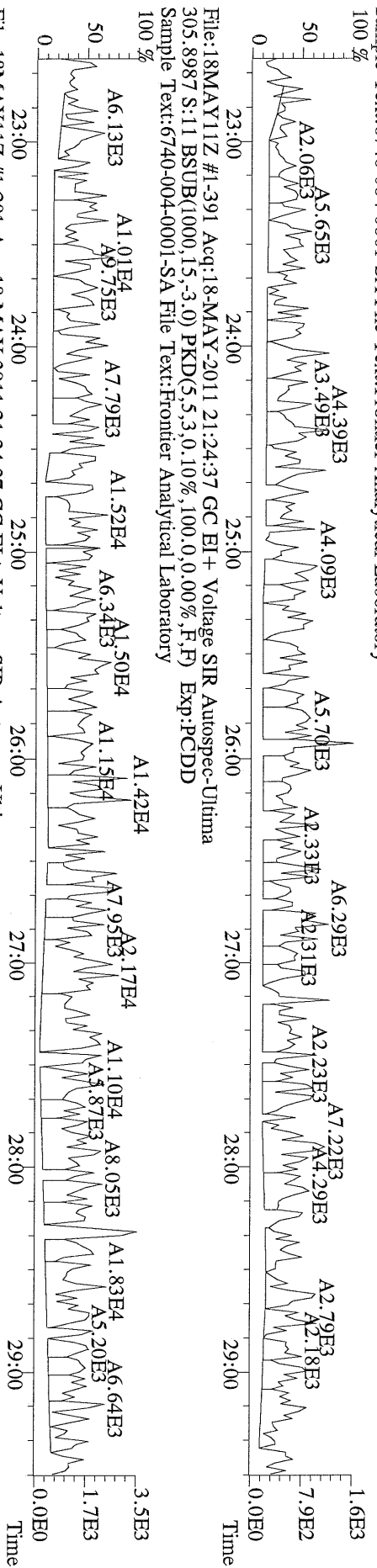
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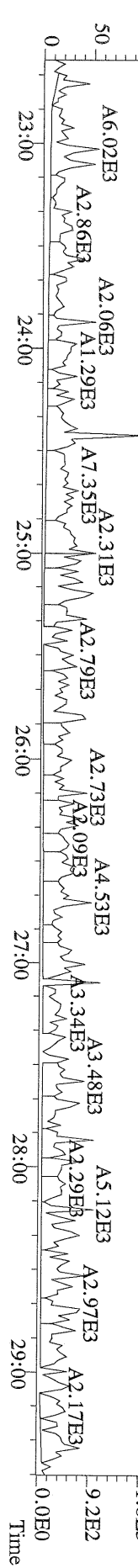
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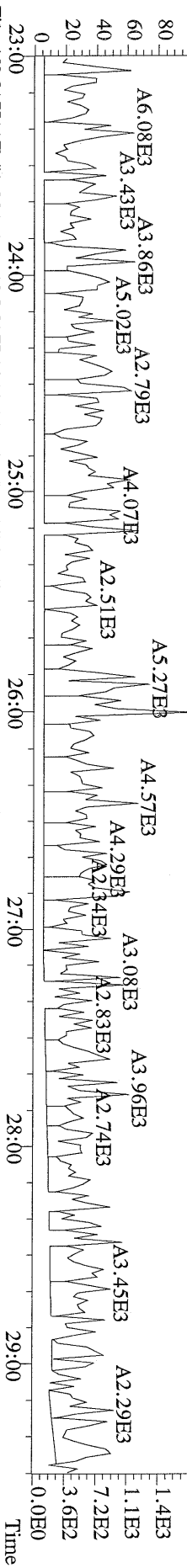
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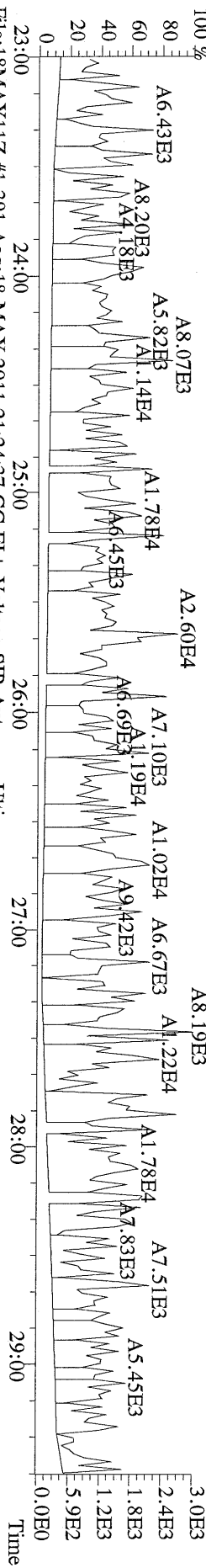
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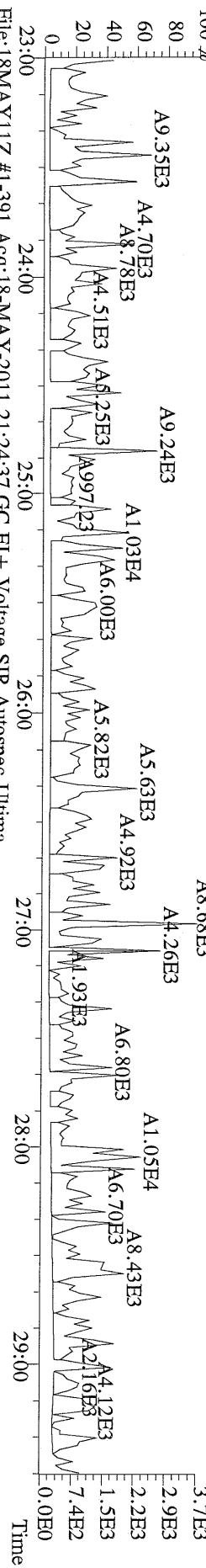
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 Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



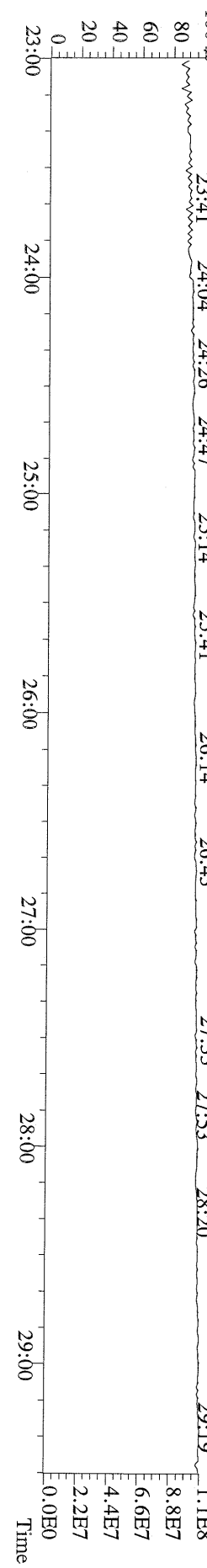
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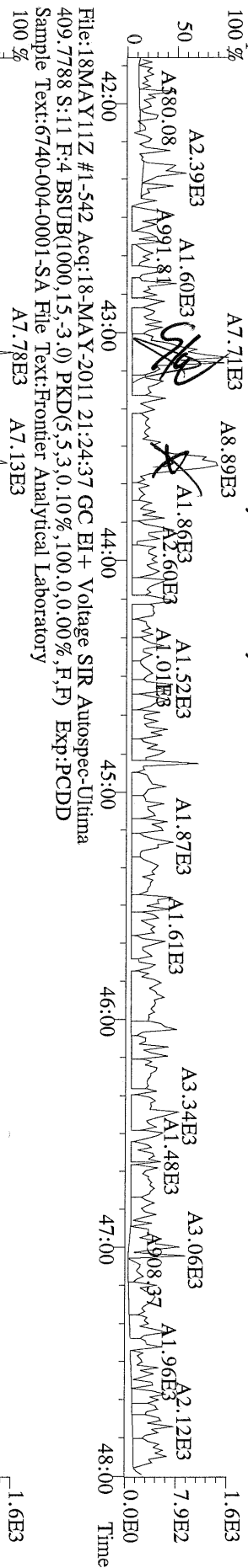
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 Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-391 Acq:18-MAY-2011 21:24:37 GC EI + Voltage SIR Autospec-Ultima
 330.9792 S:11 Exp:PCDD
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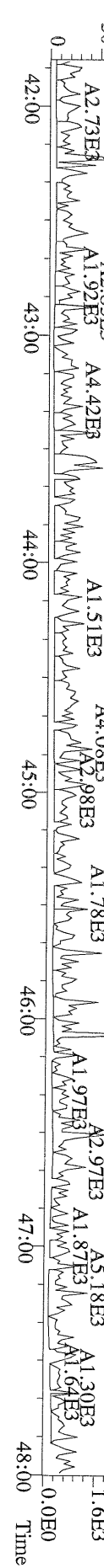
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Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-542 Acq:18-MAY-2011 21:24:37 GC EI + Voltage SIR Autospec-Ultima
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Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-542 Acq:18-MAY-2011 21:24:37 GC EI + Voltage SIR Autospec-Ultima
479.7165 S:11 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6740-004-0001-SA File Text:Frontier Analytical Laboratory

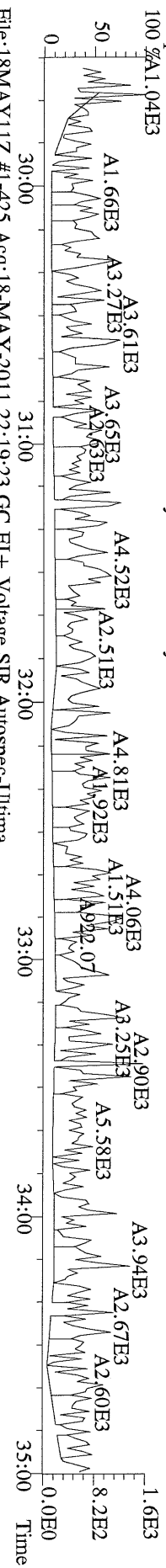


Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.15	*		2.50	764	996	1.22	0
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	684	408	1.26	0
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.09	*		2.50	668	515	1.48	0
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.08	*		2.50	668	515	1.92	0
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.12	*		2.50	668	515	1.63	0
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.03	*		2.50	512	519	2.27	0
OCDD	5.09e+04	0.84 y	49:42	1.21	8.84	J	2.50	-	-	*	0
2,3,7,8-TCDF	*	* n	NotFnd	1.09	*		2.50	672	922	0.823	0
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.96	*		2.50	604	863	1.32	0
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.96	*		2.50	604	863	1.31	0
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.18	*		2.50	592	424	1.19	0
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.03	*		2.50	592	424	1.15	0
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.17	*		2.50	592	424	1.14	0
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.27	*		2.50	592	424	1.01	0
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.36	*		2.50	432	460	1.24	0
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.35	*		2.50	432	460	1.58	0
OCDF	*	* n	NotFnd	0.97	*		2.50	456	543	2.91	0
Rec											
13C-2,3,7,8-TCDD	2.69e+07	0.78 y	27:23	0.99	1860					96.2	0
13C-1,2,3,7,8-PeCDD	1.95e+07	1.58 y	33:14	0.79	1690					87.2	0
13C-1,2,3,4,7,8-HxCDD	1.70e+07	1.26 y	38:35	1.03	1800					92.7	0
13C-1,2,3,6,7,8-HxCDD	1.44e+07	1.28 y	38:45	0.96	1640					84.7	0
13C-1,2,3,4,6,7,8-HpCDD	1.20e+07	1.05 y	44:10	0.75	1750					90.4	0
13C-OCDD	1.85e+07	0.90 y	49:40	0.50	4010					103	0
13C-2,3,7,8-TCDF	3.73e+07	0.79 y	26:37	0.98	1920					99.2	0
13C-1,2,3,7,8-PeCDF	2.53e+07	1.56 y	31:31	0.78	1640					84.7	0
13C-2,3,4,7,8-PeCDF	2.61e+07	1.56 y	32:50	0.75	1750					90.4	0
13C-1,2,3,4,7,8-HxCDF	1.71e+07	0.52 y	37:12	1.05	1770					91.5	0
13C-1,2,3,6,7,8-HxCDF	2.14e+07	0.51 y	37:24	1.40	1670					86.0	0
13C-2,3,4,6,7,8-HxCDF	1.86e+07	0.52 y	38:20	1.16	1750					90.1	0
13C-1,2,3,7,8,9-HxCDF	2.09e+07	0.53 y	39:46	1.30	1760					90.6	0
13C-1,2,3,4,6,7,8-HpCDF	1.32e+07	0.45 y	42:16	0.83	1740					89.7	0
13C-1,2,3,4,7,8,9-HpCDF	1.17e+07	0.45 y	45:04	0.69	1840					94.9	0
13C-OCDF	2.46e+07	0.88 y	50:03	0.77	3490					89.9	0
37Cl-2,3,7,8-TCDD	7.65e+06		27:24	0.71	739					95.3	0
13C-1,2,3,4-TCDD	2.82e+07	0.80 y	26:48	-	51.3						0
13C-1,2,3,4-TCDF	3.84e+07	0.80 y	25:31	-	49.7						0
13C-1,2,3,7,8,9-HxCDD	1.78e+07	1.29 y	39:12	-	44.6						0
Total Tetra-Dioxins	*		NotFnd	1.15	*		2.50	764	996	1.22	0
Total Penta-Dioxins	*		NotFnd	1.02	*		2.50	684	408	1.26	0
Total Hexa-Dioxins	*		NotFnd	1.10	*		2.50	668	515	1.92	0
Total Hepta-Dioxins	*		NotFnd	1.03	*		2.50	512	519	2.27	0
Total Tetra-Furans	*		NotFnd	1.09	*		2.50	672	922	0.823	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.96	*		2.50	604	863	1.32 PeCDF	0
Total Penta-Furans	*		NotFnd	0.96	*		2.50	604	863	1.32 0.00	0
Total Hexa-Furans	*		NotFnd	1.16	*		2.50	592	424	1.19	0
Total Hepta-Furans	*		NotFnd	1.36	*		2.50	432	460	1.58	0

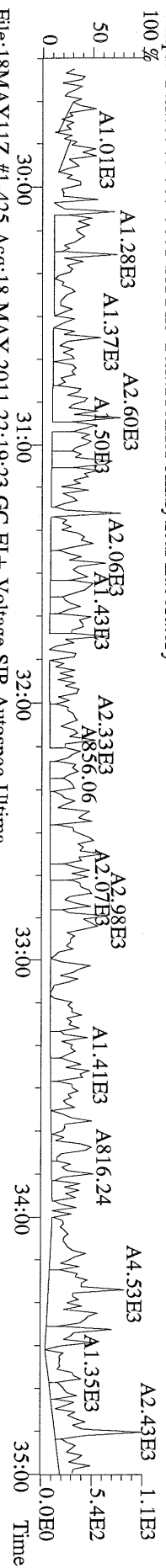
Analyst: J

Date: 5/19/17

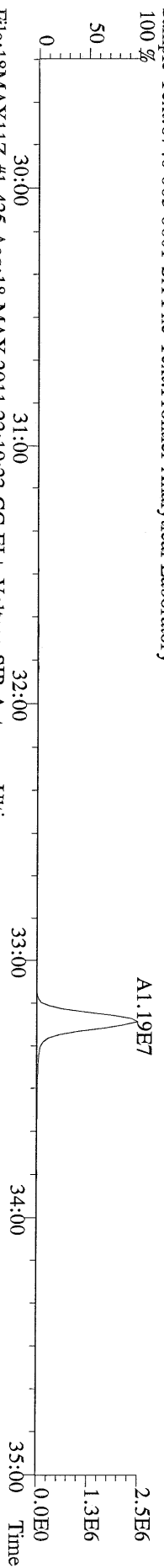
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 355.8546 S:12 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory
 100% A1.04E3



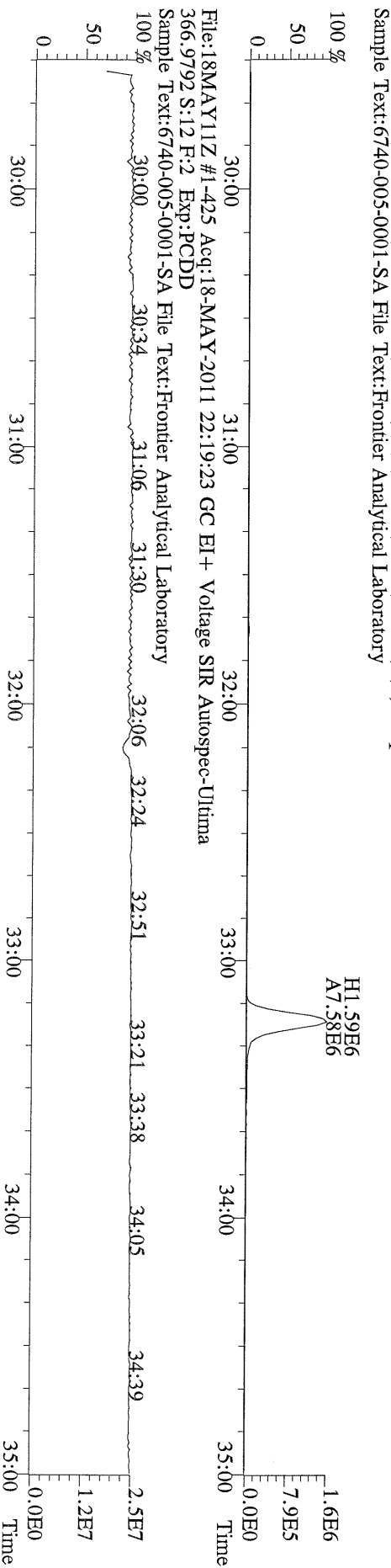
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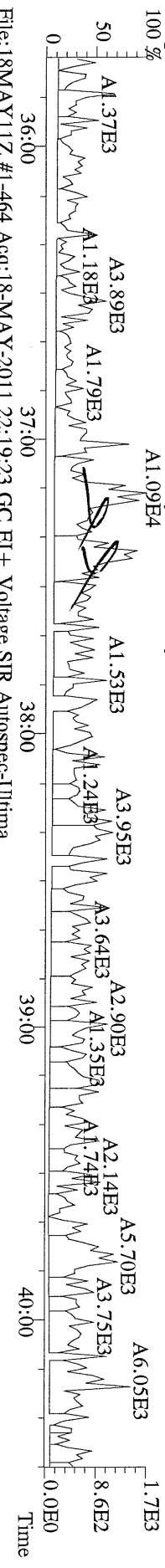
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 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



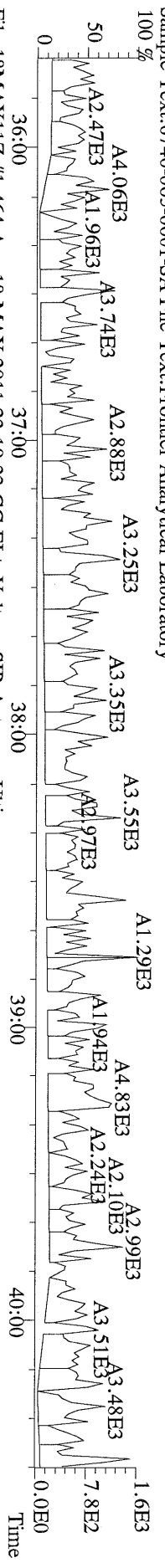
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 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



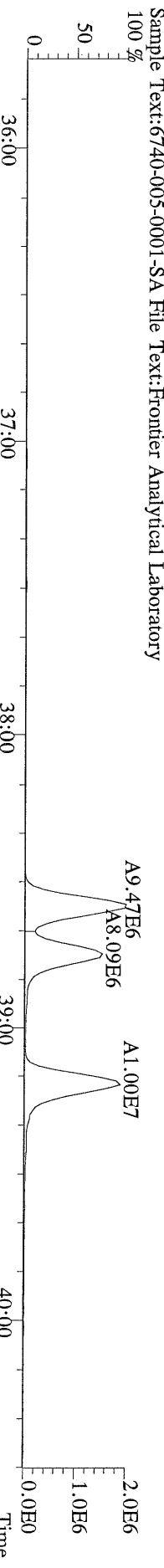
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 389.8156 S:12 F:3 BSUB(1000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



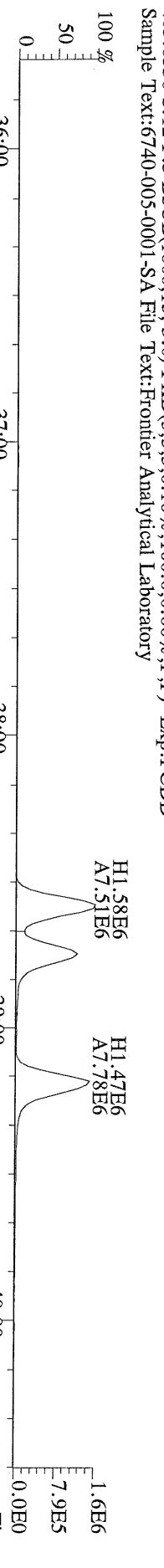
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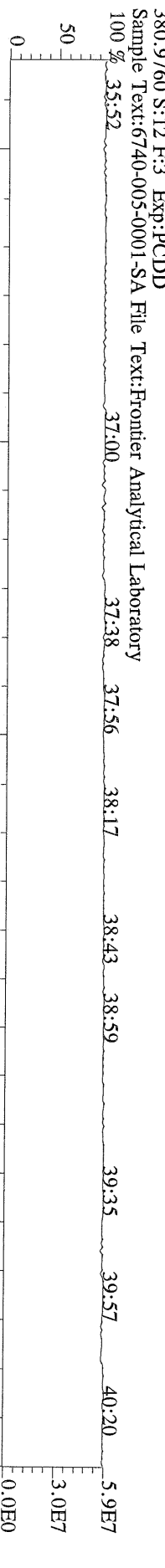
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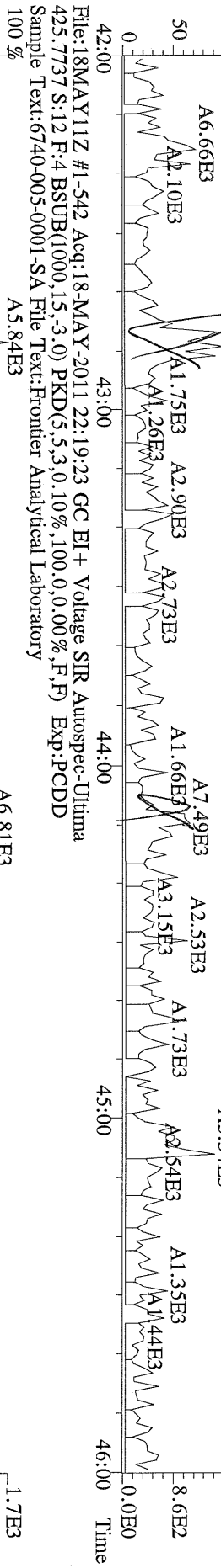
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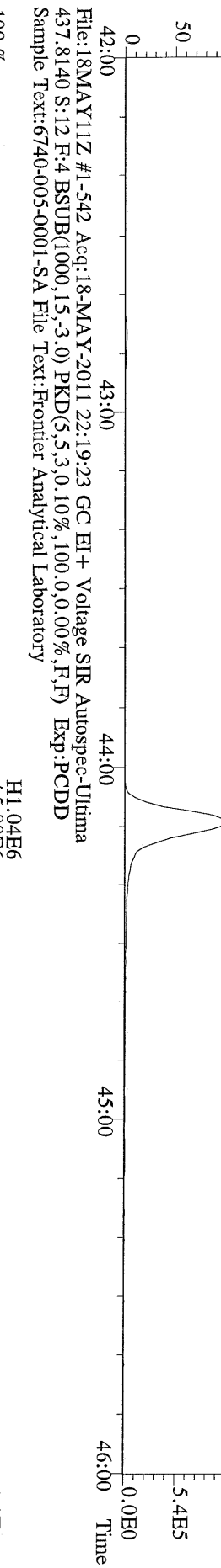
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 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



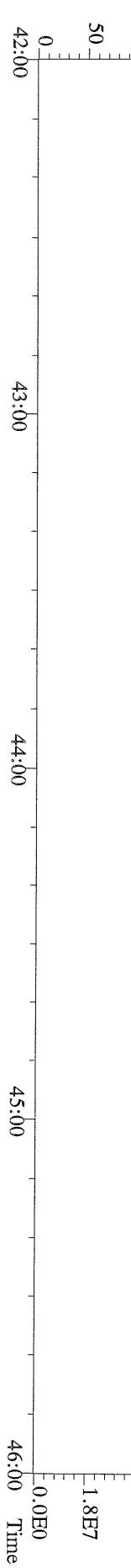
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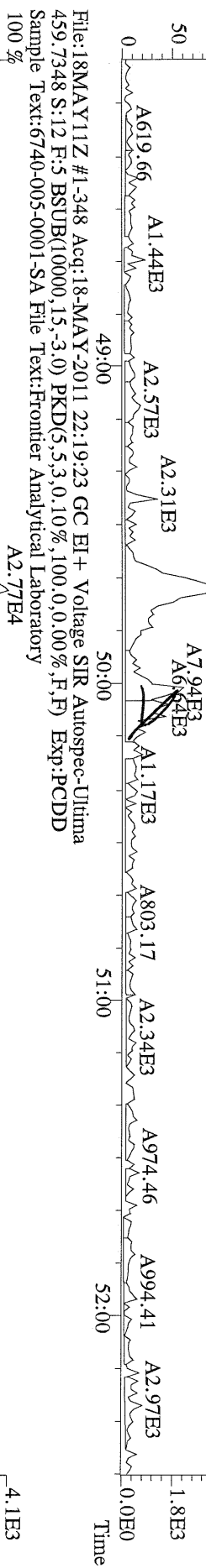
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 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



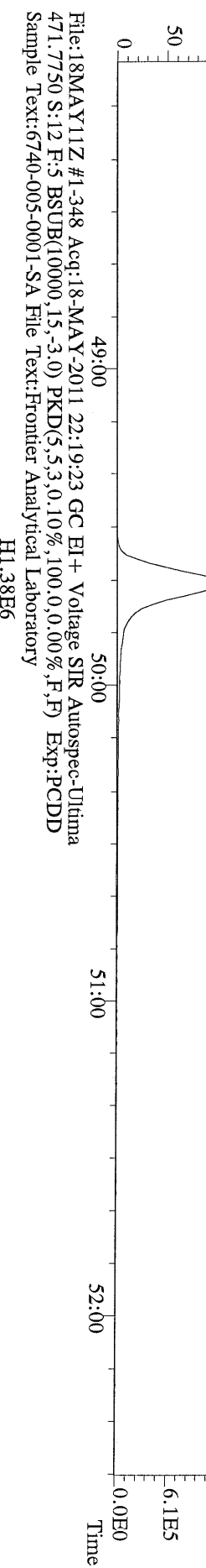
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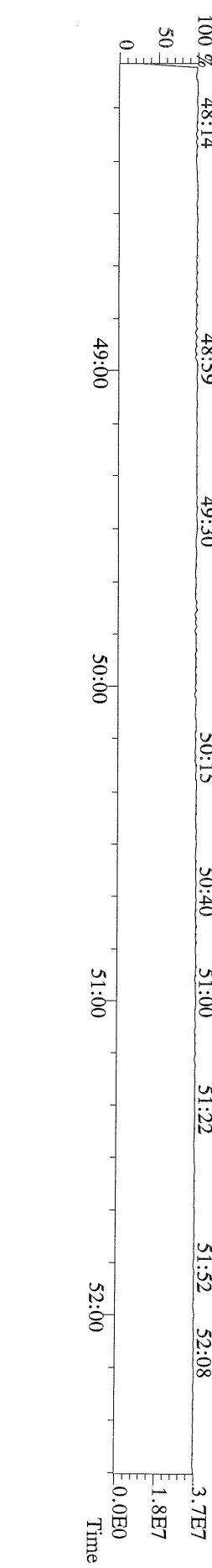
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 457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



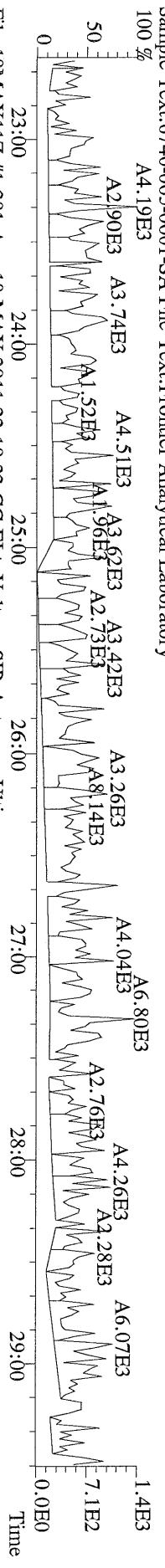
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 459.7348 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



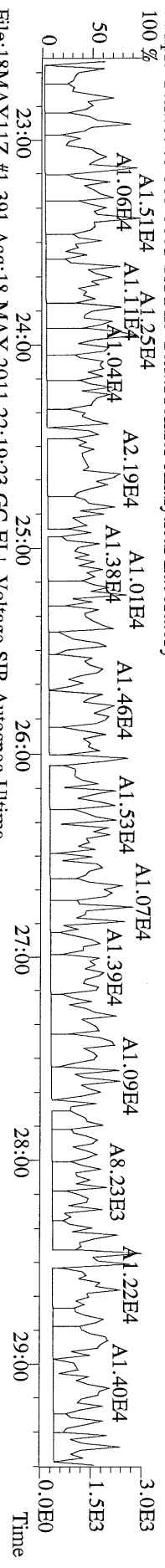
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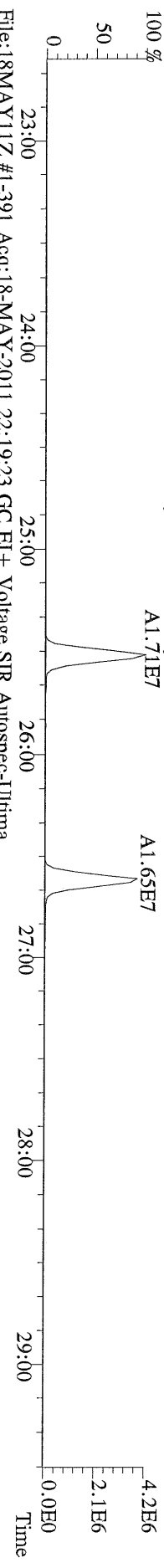
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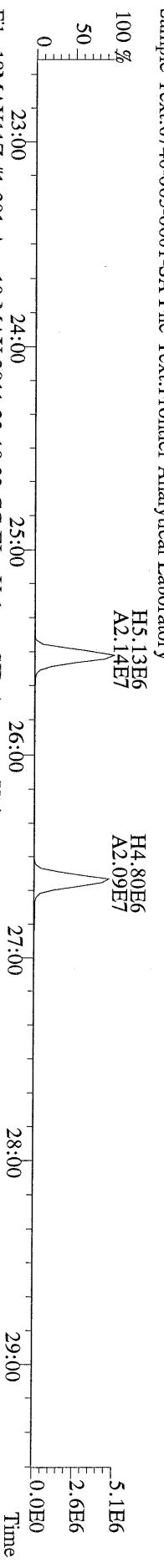
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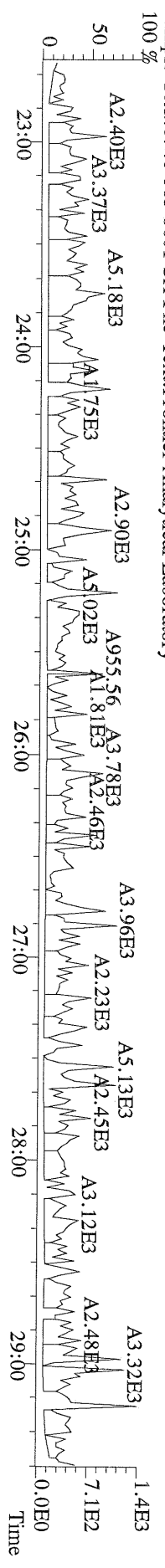
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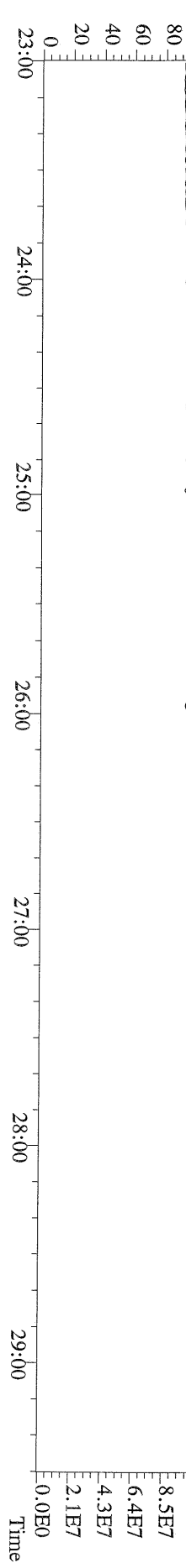
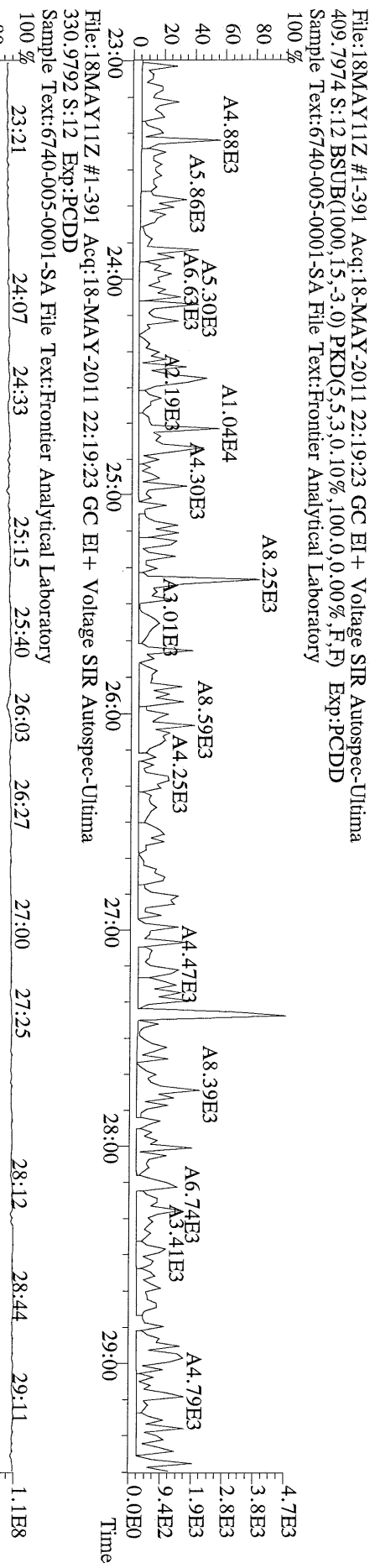
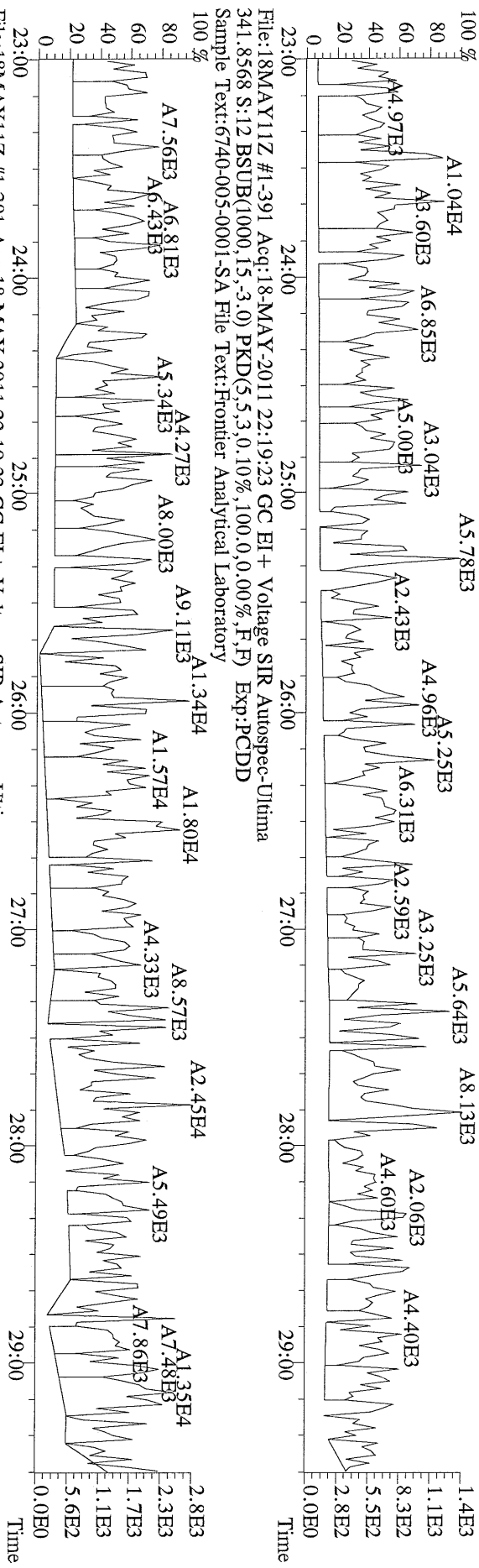
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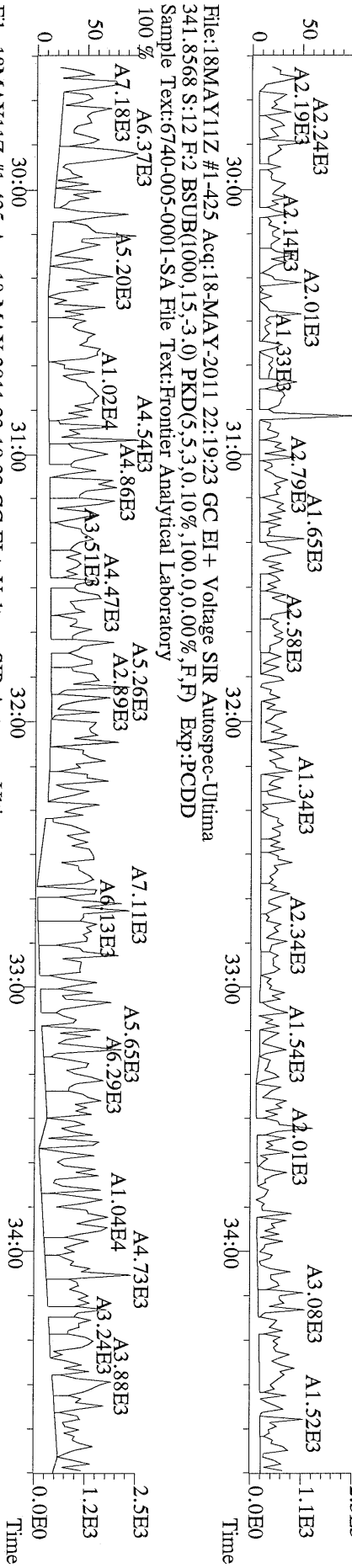
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Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



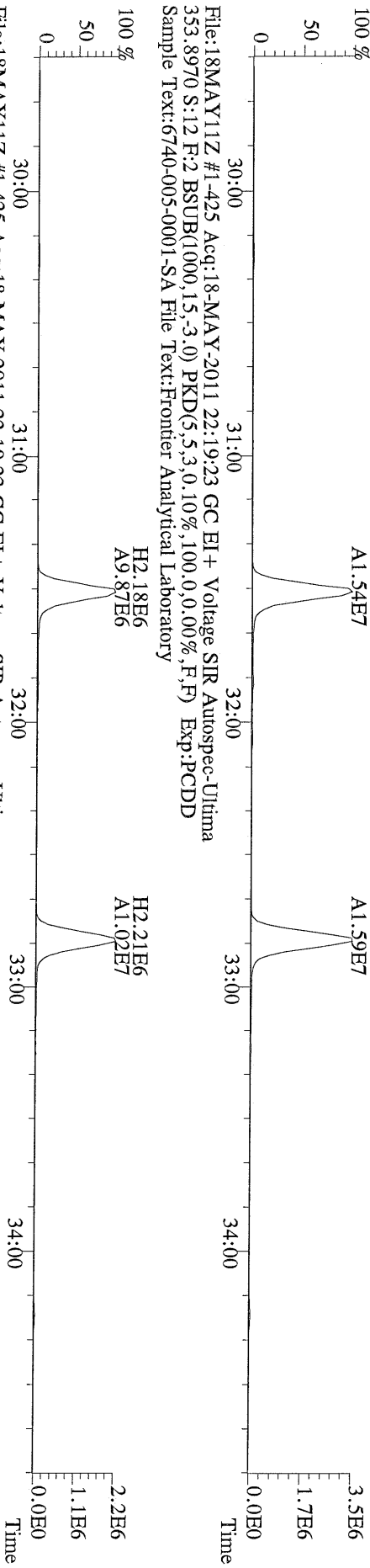
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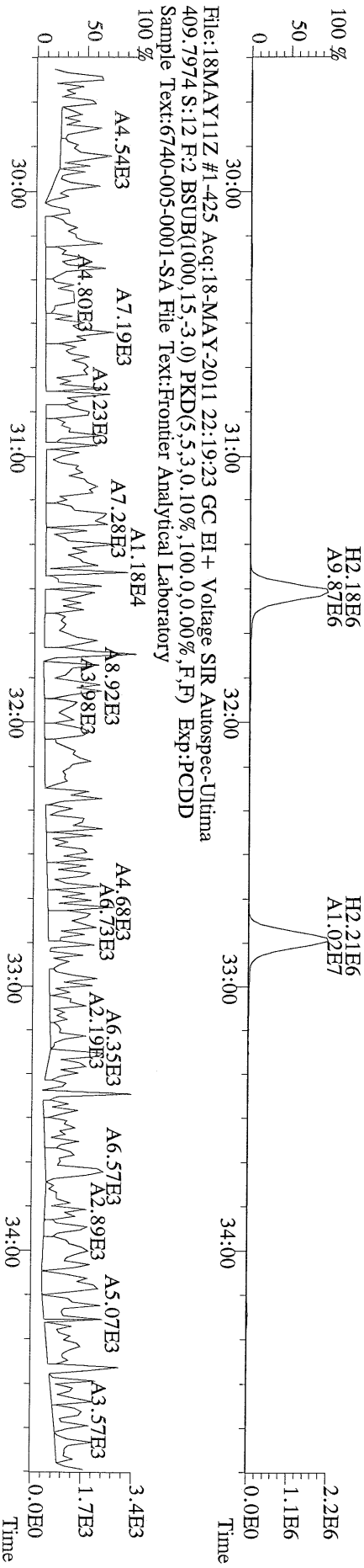
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Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



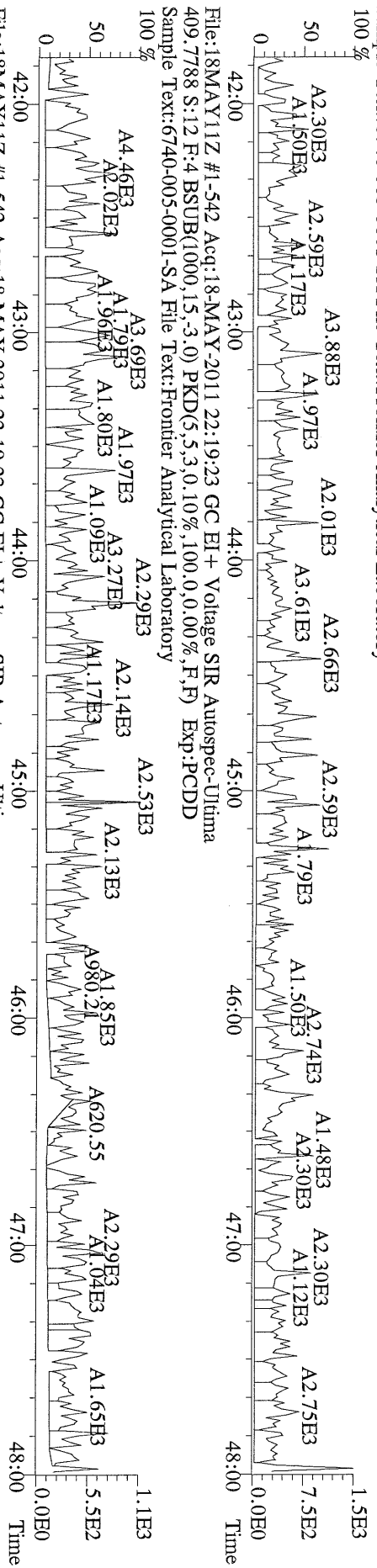
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Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



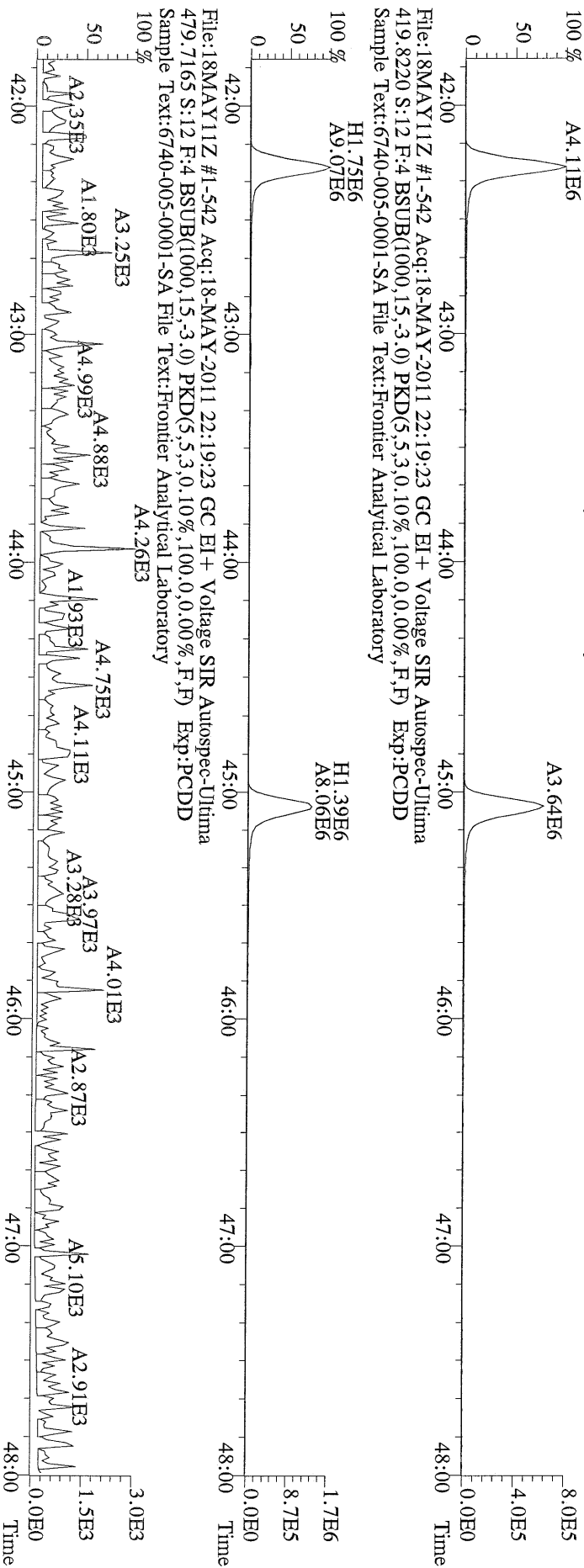
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Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-542 Acq:18-MAY-2011 22:19:23 GC EI + Voltage SIR Autospec-Ultima
 407.7818 S:12 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD
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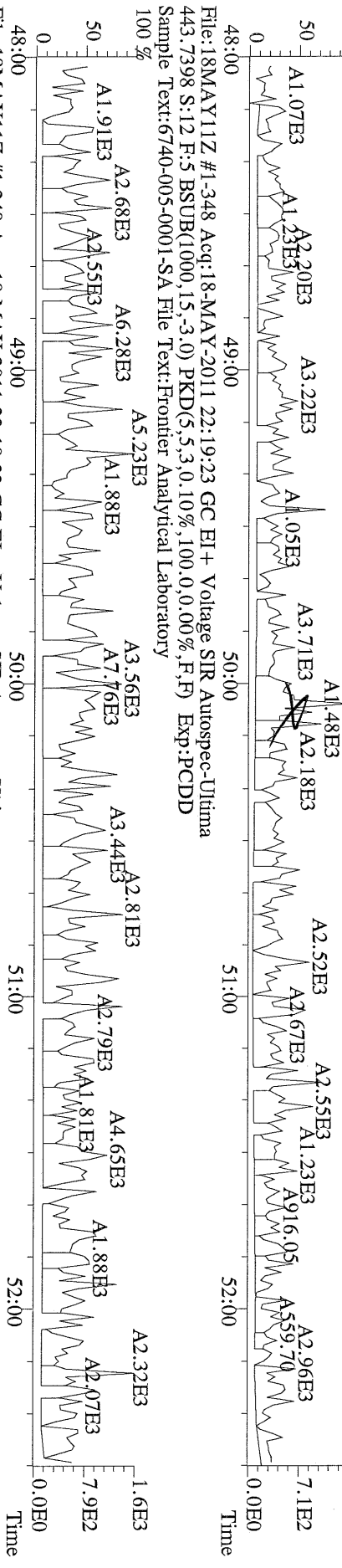


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 417.8253 S:12 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD
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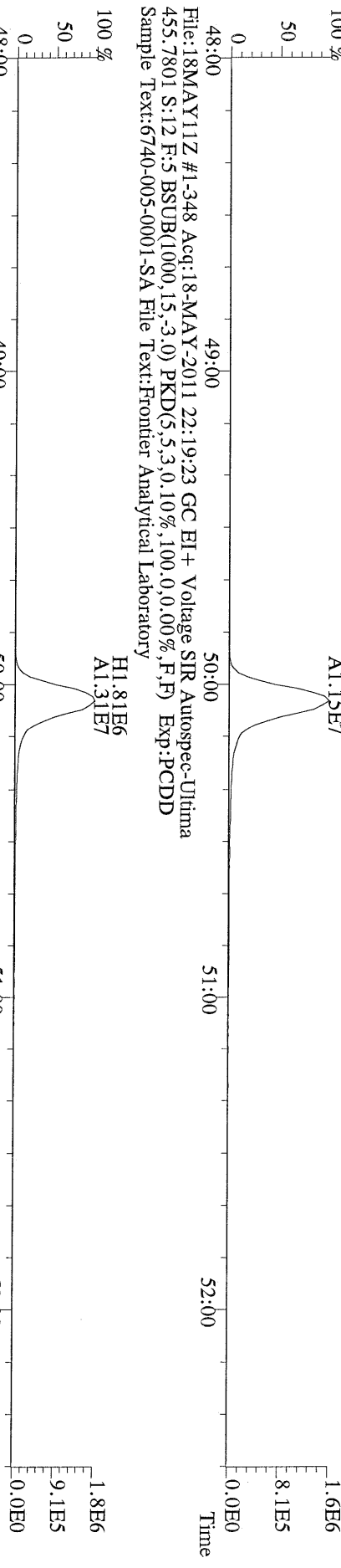


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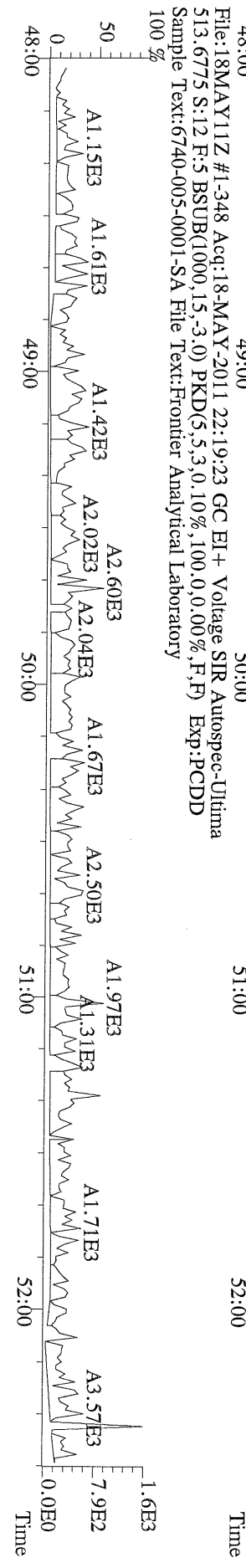
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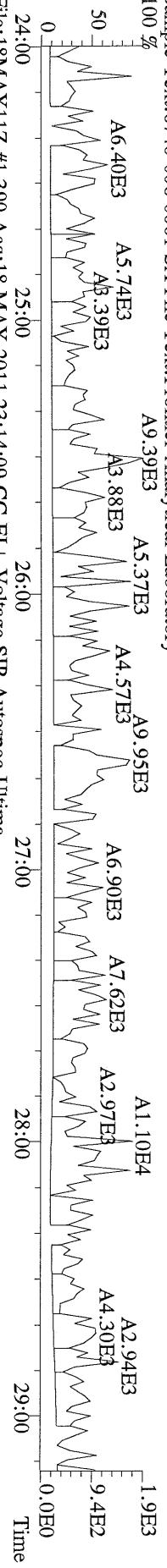
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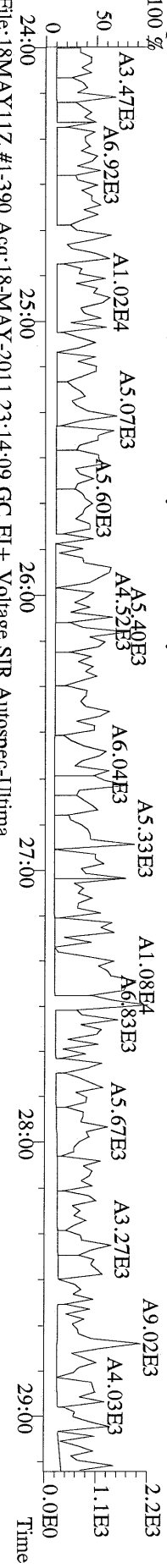
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Sample Text:6740-005-0001-SA File Text:Frontier Analytical Laboratory



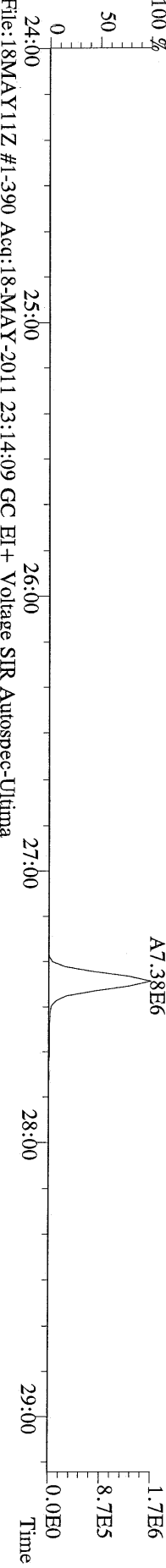
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 319.8965 S:13 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



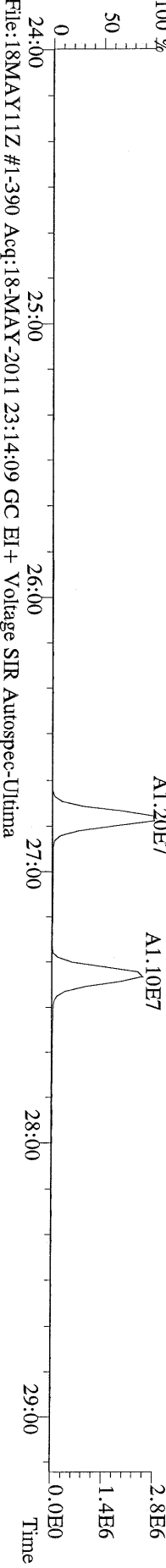
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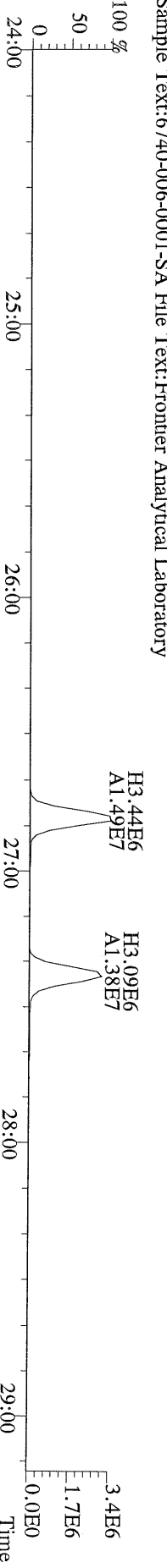
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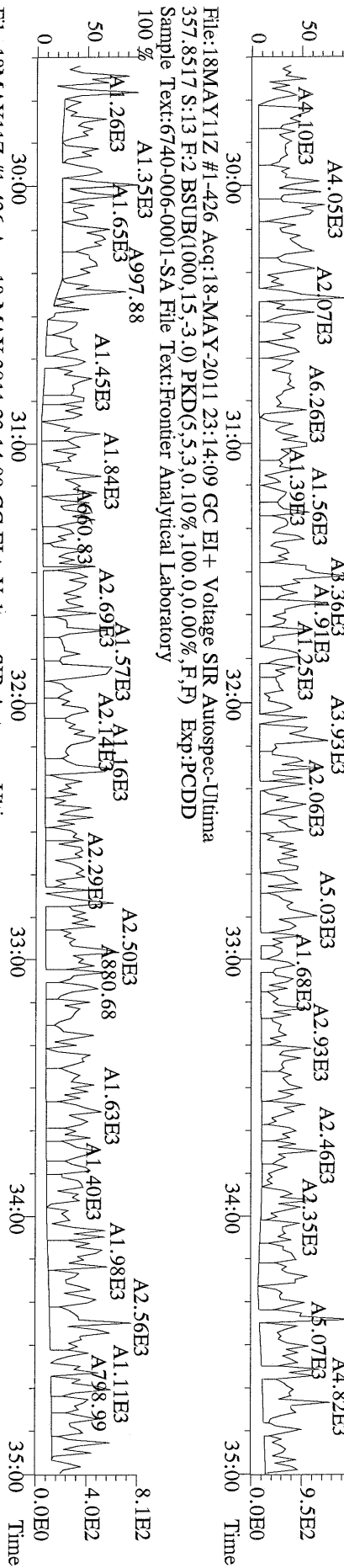
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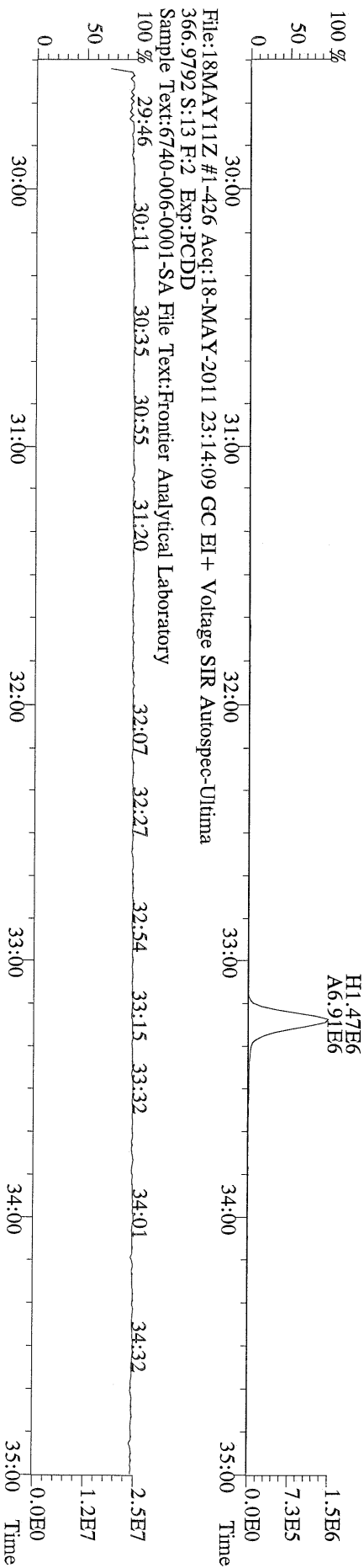
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 333.9339 S:13 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-426 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
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 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



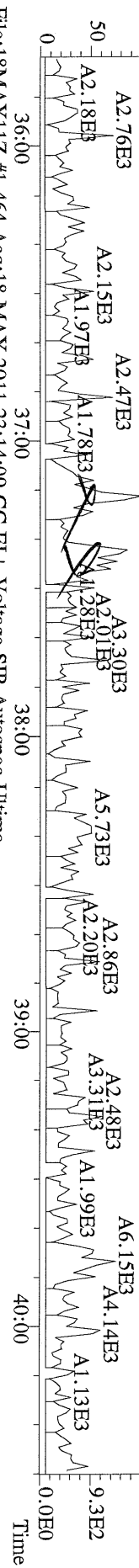
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 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



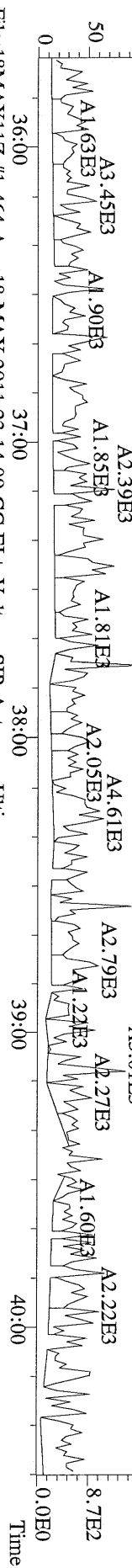
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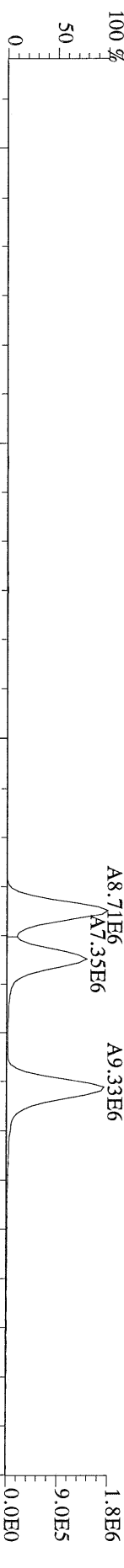
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 389.8156 S:13 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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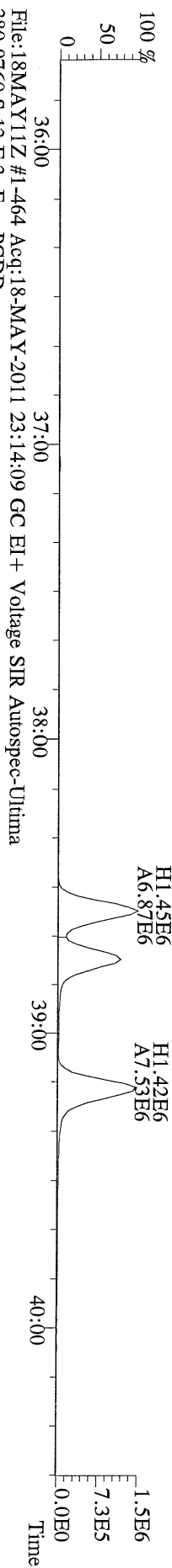
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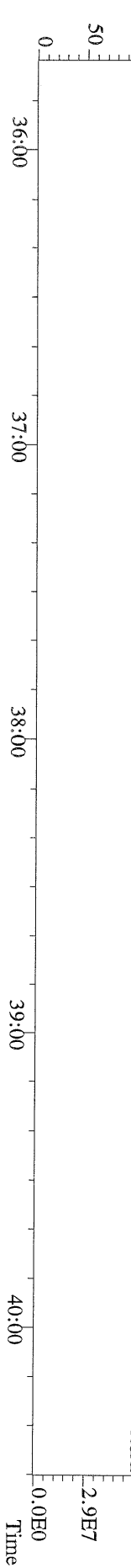
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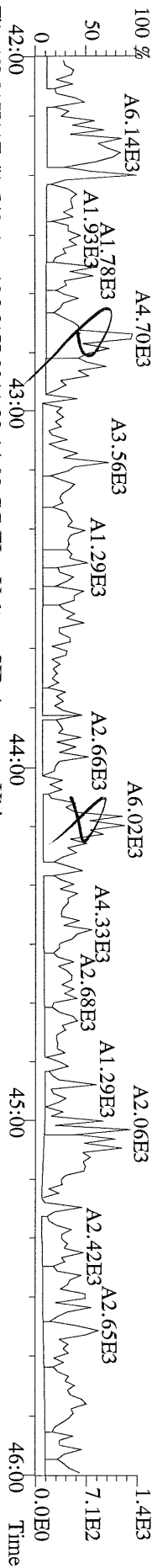
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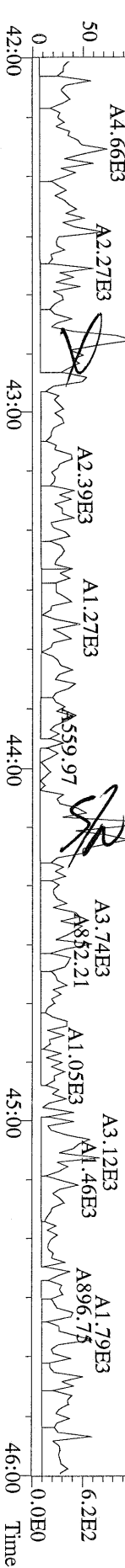
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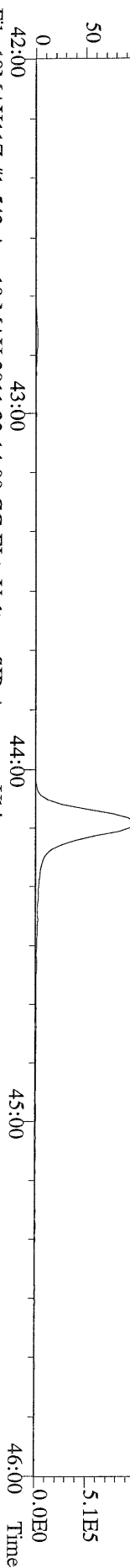
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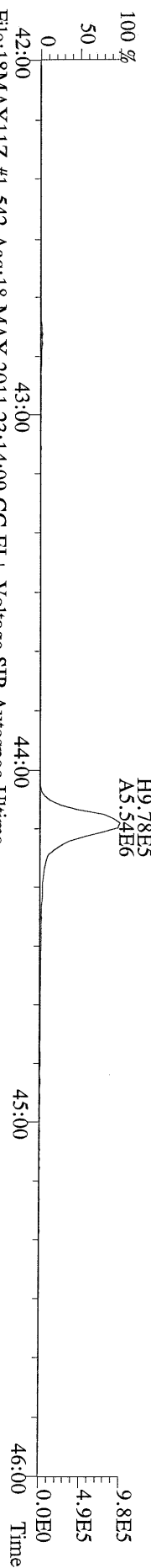
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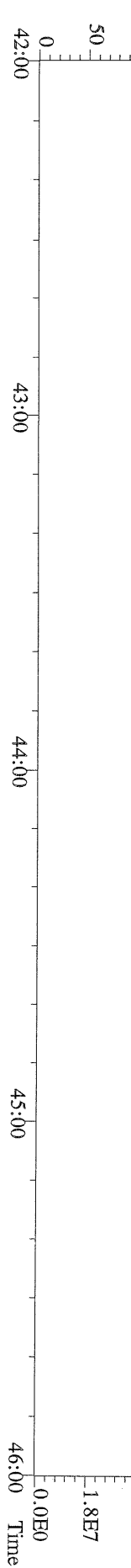
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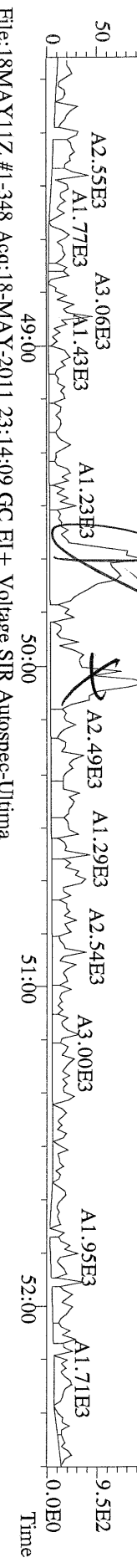
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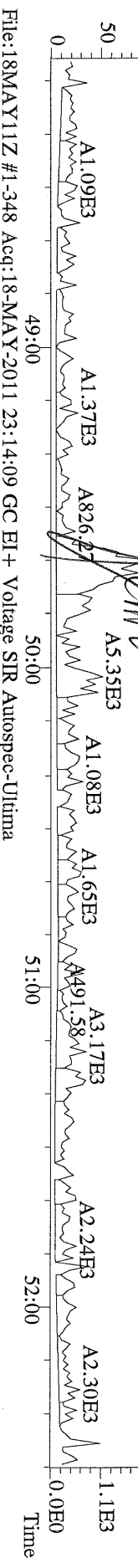
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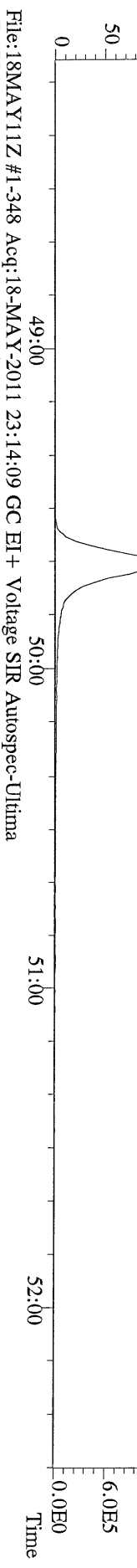
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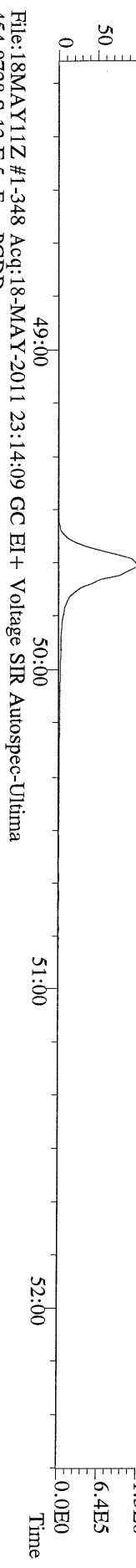
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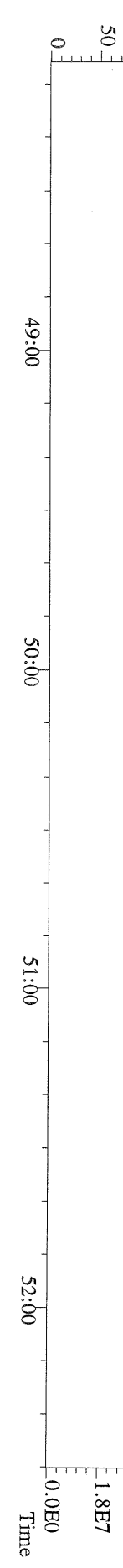
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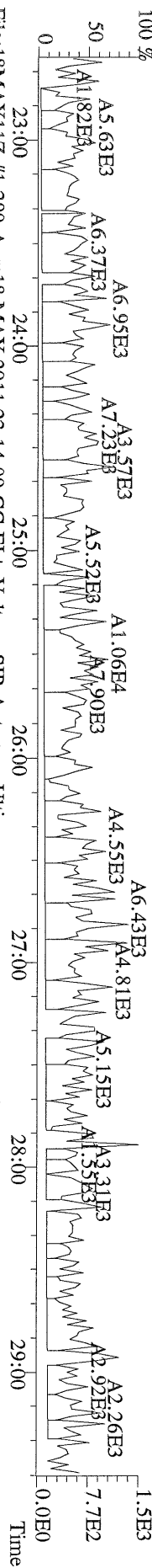
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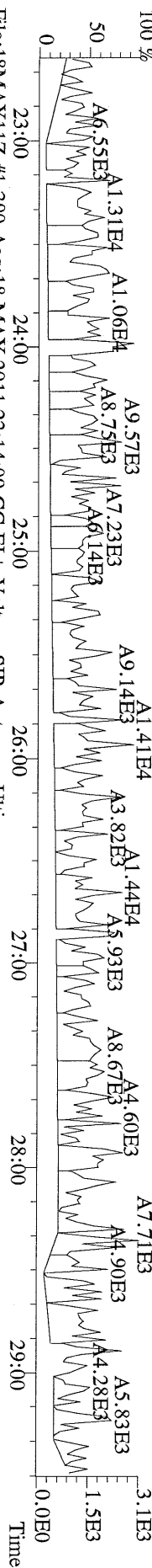
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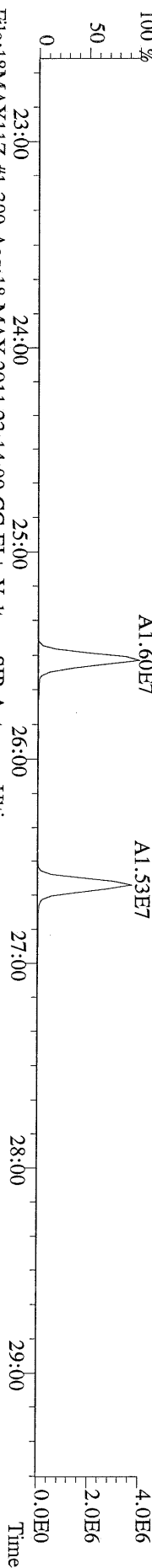
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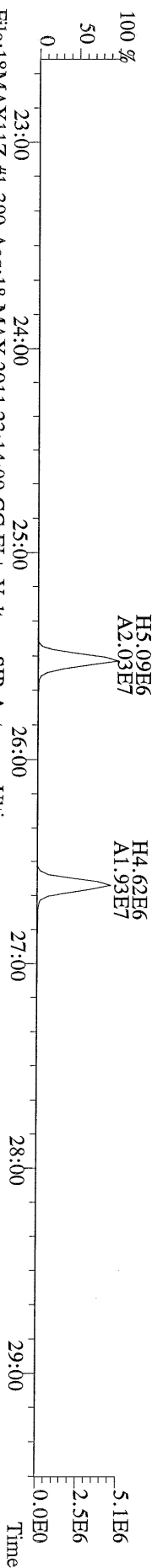
File:18MAY11Z #1-390 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
305.8987 S:13 BSUB(1000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



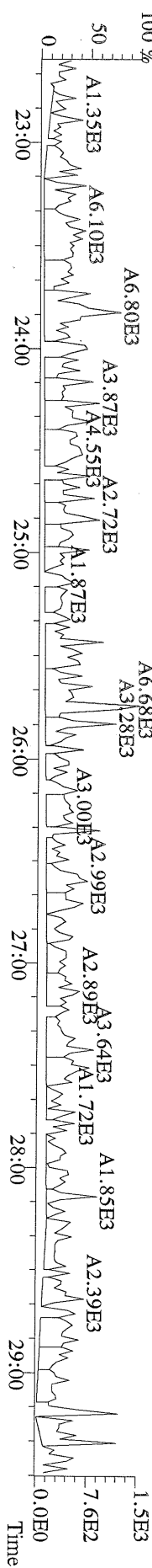
File:18MAY11Z #1-390 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
317.9389 S:13 BSUB(1000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



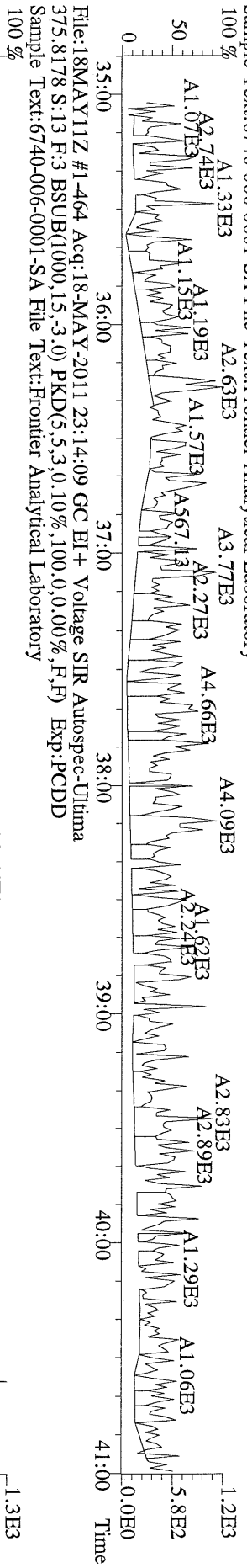
File:18MAY11Z #1-390 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
375.8364 S:13 BSUB(1000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



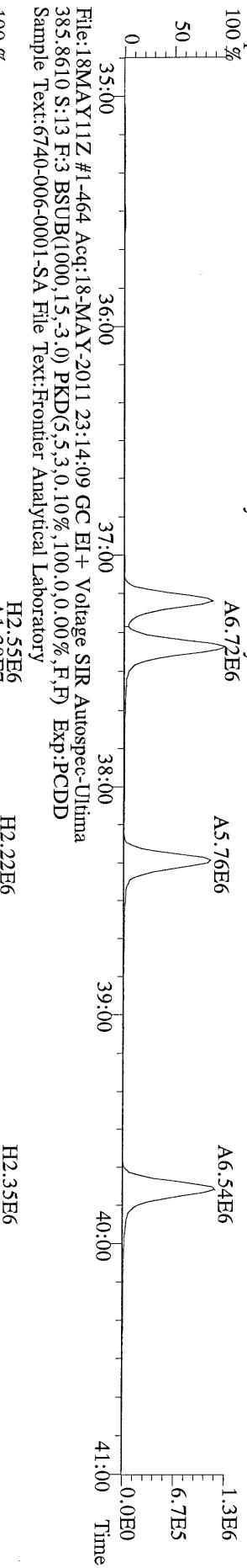
File:18MAY11Z #1-390 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
375.8364 S:13 BSUB(1000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



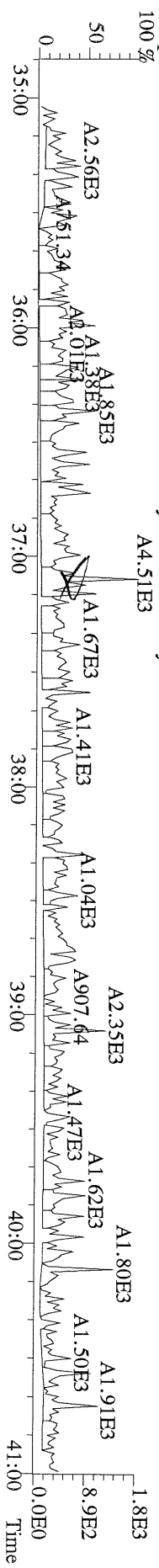
File:18MAY11Z #1-464 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
 373.8207 S:13 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



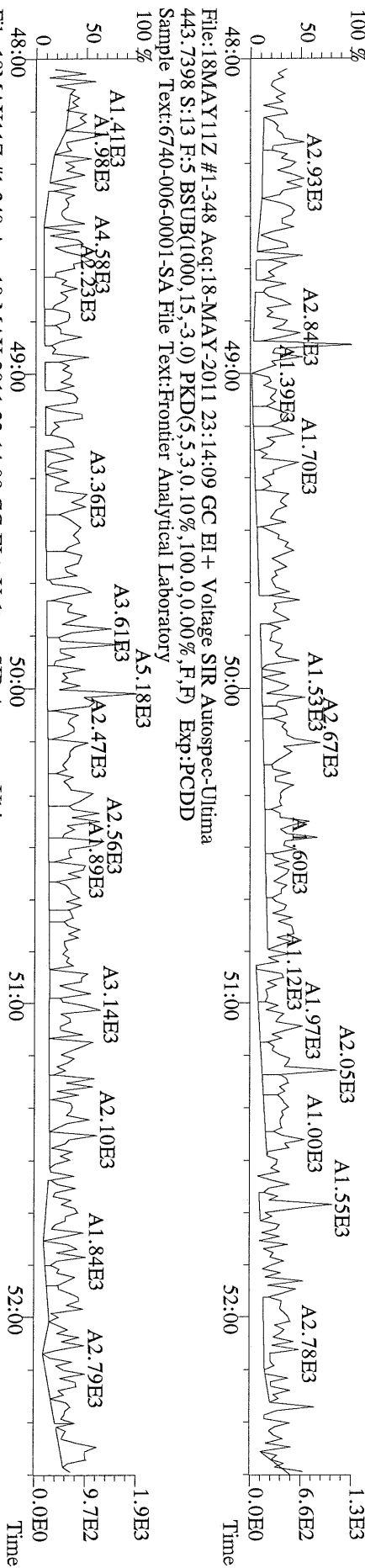
File:18MAY11Z #1-464 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
 383.8639 S:13 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



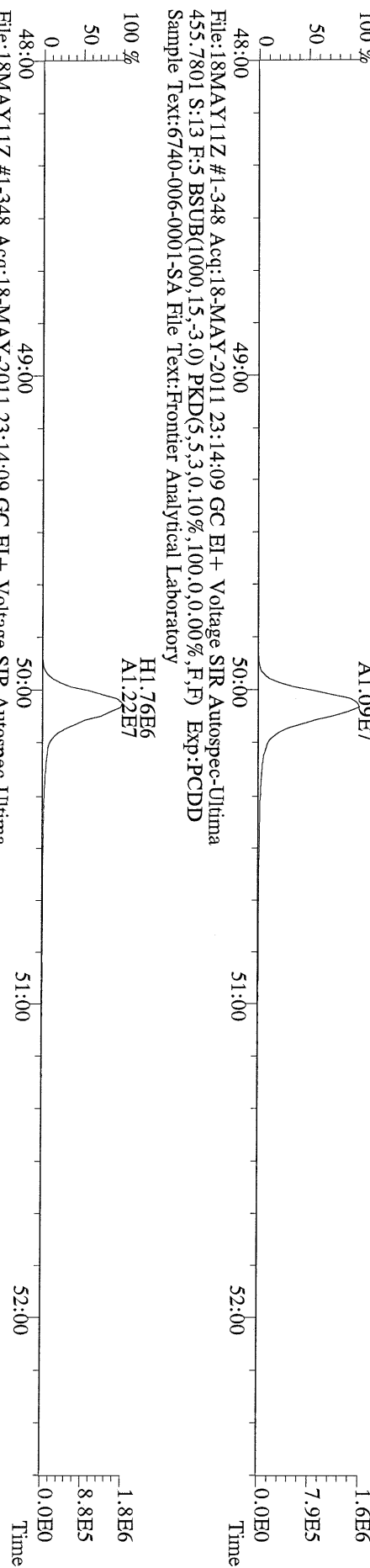
File:18MAY11Z #1-464 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
 445.7555 S:13 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



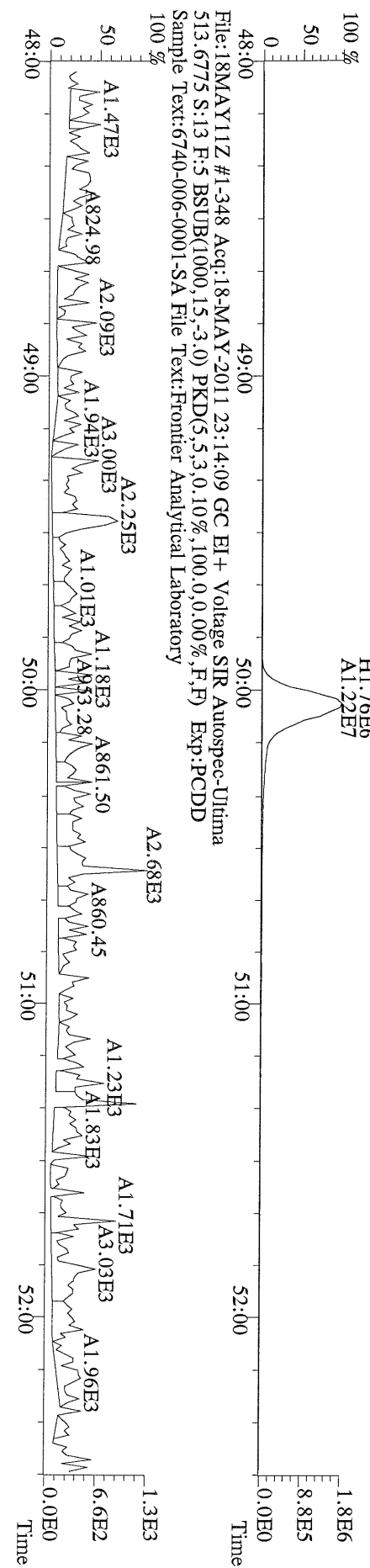
File:18MAY11Z #1-348 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:13 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-348 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:13 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



File:18MAY11Z #1-348 Acq:18-MAY-2011 23:14:09 GC EI + Voltage SIR Autospec-Ultima
455.7801 S:13 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6740-006-0001-SA File Text:Frontier Analytical Laboratory



Run #3 Filename 17MAY11Z
Client ID: ST051711Z2

S: 4 Acquired: 17-MAY-11 16:52:43 Cal: PCDDFAL4-5-17-11
Analyte: FAL ID: 1613 CS2 100511I

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1 Unk	2,3,7,8-TCDD	2.00	1.21e+06	0.79 y	27:28	-	1.10 y
2 Unk	1,2,3,7,8-PeCDD	10.00	4.32e+06	1.60 y	33:19	-	0.999 y
3 Unk	1,2,3,4,7,8-HxCDD	10.00	4.27e+06	1.26 y	38:40	-	1.06 y
4 Unk	1,2,3,6,7,8-HxCDD	10.00	4.06e+06	1.28 y	38:50	-	1.10 y
5 Unk	1,2,3,7,8,9-HxCDD	10.00	4.37e+06	1.27 y	39:17	-	1.13 y
6 Unk	1,2,3,4,6,7,8-HpCDD	10.00	2.94e+06	1.09 y	44:14	-	1.01 y
7 Unk	OCDD	20.00	4.62e+06	0.87 y	49:46	-	1.16 y
8 Unk	2,3,7,8-TCDF	2.00	1.61e+06	0.75 y	26:41	-	1.04 y
9 Unk	1,2,3,7,8-PeCDF	10.00	5.57e+06	1.53 y	31:36	-	0.943 y
10 Unk	2,3,4,7,8-PeCDF	10.00	5.47e+06	1.54 y	32:54	-	0.961 y
11 Unk	1,2,3,4,7,8-HxCDF	10.00	4.84e+06	1.25 y	37:17	-	1.17 y
12 Unk	1,2,3,6,7,8-HxCDF	10.00	5.54e+06	1.26 y	37:29	-	1.02 y
13 Unk	2,3,4,6,7,8-HxCDF	10.00	5.24e+06	1.26 y	38:25	-	1.18 y
14 Unk	1,2,3,7,8,9-HxCDF	10.00	6.31e+06	1.22 y	39:51	-	1.25 y
15 Unk	1,2,3,4,6,7,8-HpCDF	10.00	4.19e+06	1.04 y	42:21	-	1.36 y
16 Unk	1,2,3,4,7,8,9-HpCDF	10.00	3.50e+06	0.98 y	45:09	-	1.31 y
17 Unk	OCDF	20.00	5.69e+06	0.90 y	50:10	-	0.967 y
18 IS/RT	13C-2,3,7,8-TCDD	100.00	5.53e+07	0.79 y	27:26	-	1.01 y
19 IS	13C-1,2,3,7,8-PeCDD	100.00	4.32e+07	1.56 y	33:18	-	0.793 y
20 IS	13C-1,2,3,4,7,8-HxCDD	100.00	4.04e+07	1.25 y	38:39	-	1.04 y
21 IS	13C-1,2,3,6,7,8-HxCDD	100.00	3.68e+07	1.25 y	38:49	-	0.950 y
22 IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.91e+07	1.05 y	44:13	-	0.751 y
23 IS	13C-OCDD	200.00	3.97e+07	0.93 y	49:46	-	0.512 y
24 IS	13C-2,3,7,8-TCDF	100.00	7.75e+07	0.79 y	26:40	-	1.01 y
25 IS	13C-1,2,3,7,8-PeCDF	100.00	5.91e+07	1.58 y	31:34	-	0.771 y
26 IS	13C-2,3,4,7,8-PeCDF	100.00	5.69e+07	1.54 y	32:53	-	0.742 y
27 IS	13C-1,2,3,4,7,8-HxCDF	100.00	4.12e+07	0.52 y	37:15	-	1.06 y
28 IS	13C-1,2,3,6,7,8-HxCDF	100.00	5.41e+07	0.51 y	37:28	-	1.39 y
29 IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.45e+07	0.52 y	38:23	-	1.15 y
30 IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.03e+07	0.52 y	39:50	-	1.30 y
31 IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	3.09e+07	0.44 y	42:19	-	0.796 y
32 IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	2.67e+07	0.45 y	45:08	-	0.688 y
33 IS	13C-OCDF	200.00	5.88e+07	0.89 y	50:08	-	0.759 y
34 C/Up	37Cl-2,3,7,8-TCDD	2.00	7.40e+05		27:27	-	0.679 y
35 RS	13C-1,2,3,4-TCDD	100.00	5.45e+07	0.80 y	26:52	5.45e+05	- n
36 RS	13C-1,2,3,4-TCDF	100.00	7.67e+07	0.79 y	25:35	7.67e+05	- n
37 RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	3.88e+07	1.26 y	39:15	3.88e+05	- n
38 Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.10 y
39 Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.999 y
40 Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.10 y
41 Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.01 y
42 Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.04 y
43 Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.952 y
44 Tot	Total Penta-Furans	0.00	-	- n	-	-	0.952 y
45 Tot	Total Hexa-Furans	0.00	-	- n	-	-	1.15 y
46 Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.34 y

Analyst: 8

Date: 5/18/11

Run #6 Filename 17MAY11Z
Client ID: ST05171125

S: 6 Acquired: 17-MAY-11 18:42:17
Analyte: PCDDFAL3-5-17-11

Cal: PCDDFAL4-5-17-11
FAL ID: 1613 CS5 100511L

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1 Unk	2,3,7,8-TCDD	200.00	1.10e+08	0.78 y	27:28	-	1.08 y
2 Unk	1,2,3,7,8-PeCDD	1000.00	4.22e+08	1.56 y	33:20	-	1.04 y
3 Unk	1,2,3,4,7,8-HxCDD	1000.00	4.44e+08	1.23 y	38:40	-	1.10 y
4 Unk	1,2,3,6,7,8-HxCDD	1000.00	3.78e+08	1.23 y	38:50	-	1.08 y
5 Unk	1,2,3,7,8,9-HxCDD	1000.00	4.35e+08	1.25 y	39:17	-	1.15 y
6 Unk	1,2,3,4,6,7,8-HpCDD	1000.00	3.01e+08	1.05 y	44:15	-	1.06 y
7 Unk	OCDD	2000.00	4.82e+08	0.90 y	49:48	-	1.22 y
8 Unk	2,3,7,8-TCDF	200.00	1.46e+08	0.77 y	26:42	-	1.06 y
9 Unk	1,2,3,7,8-PeCDF	1000.00	5.36e+08	1.55 y	31:36	-	0.965 y
10 Unk	2,3,4,7,8-PeCDF	1000.00	5.21e+08	1.56 y	32:54	-	0.958 y
11 Unk	1,2,3,4,7,8-HxCDF	1000.00	4.63e+08	1.24 y	37:18	-	1.18 y
12 Unk	1,2,3,6,7,8-HxCDF	1000.00	5.18e+08	1.24 y	37:29	-	1.05 y
13 Unk	2,3,4,6,7,8-HxCDF	1000.00	4.86e+08	1.23 y	38:25	-	1.19 y
14 Unk	1,2,3,7,8,9-HxCDF	1000.00	6.62e+08	1.24 y	39:51	-	1.32 y
15 Unk	1,2,3,4,6,7,8-HpCDF	1000.00	4.31e+08	1.01 y	42:22	-	1.39 y
16 Unk	1,2,3,4,7,8,9-HpCDF	1000.00	3.66e+08	1.04 y	45:09	-	1.36 y
17 Unk	OCDF	2000.00	6.00e+08	0.90 y	50:10	-	0.988 y
18 IS/RT	13C-2,3,7,8-TCDD	100.00	5.09e+07	0.79 y	27:26	-	0.950 y
19 IS	13C-1,2,3,7,8-PeCDD	100.00	4.07e+07	1.55 y	33:18	-	0.759 y
20 IS	13C-1,2,3,4,7,8-HxCDD	100.00	4.04e+07	1.27 y	38:40	-	1.01 y
21 IS	13C-1,2,3,6,7,8-HxCDD	100.00	3.49e+07	1.25 y	38:49	-	0.870 y
22 IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.84e+07	1.06 y	44:14	-	0.708 y
23 IS	13C-OCDD	200.00	3.95e+07	0.90 y	49:47	-	0.492 y
24 IS	13C-2,3,7,8-TCDF	100.00	6.90e+07	0.80 y	26:40	-	0.930 y
25 IS	13C-1,2,3,7,8-PeCDF	100.00	5.56e+07	1.57 y	31:35	-	0.749 y
26 IS	13C-2,3,4,7,8-PeCDF	100.00	5.43e+07	1.60 y	32:53	-	0.732 y
27 IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.91e+07	0.52 y	37:16	-	0.974 y
28 IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.92e+07	0.53 y	37:28	-	1.23 y
29 IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.10e+07	0.51 y	38:24	-	1.02 y
30 IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.03e+07	0.52 y	39:50	-	1.25 y
31 IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	3.11e+07	0.44 y	42:20	-	0.775 y
32 IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	2.69e+07	0.44 y	45:09	-	0.669 y
33 IS	13C-OCDF	200.00	6.07e+07	0.90 y	50:10	-	0.756 y
34 C/Up	37Cl-2,3,7,8-TCDD	200.00	6.98e+07		27:28	-	0.650 y
35 RS	13C-1,2,3,4-TCDD	100.00	5.36e+07	0.81 y	26:52	5.36e+05	- n
36 RS	13C-1,2,3,4-TCDF	100.00	7.42e+07	0.79 y	25:36	7.42e+05	- n
37 RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	4.01e+07	1.23 y	39:16	4.01e+05	- n
38 Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.08 y
39 Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.04 y
40 Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.11 y
41 Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.06 y
42 Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.06 y
43 Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.962 y
44 Tot	Total Penta-Furans	0.00	-	- n	-	-	0.962 y
45 Tot	Total Hexa-Furans	0.00	-	- n	-	-	1.18 y
46 Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.37 y

Analyst: 6

Date: 5/18/11

USEPA - ITD

FORM 3B

PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/17/11

Instrument ID: FAL4 GC Column ID: DB5

CS0 Data Filename: 17MAY11Z S2 CS4 Data Filename: 17MAY11Z S1

CS1 Data Filename: 17MAY11Z S3 CS4 Data Filename: 17MAY11Z S5

CS2 Data Filename: 17MAY11Z S4 CS5 Data Filename: 17MAY11Z S6

Labeled Compounds	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
13C-2,3,7,8-TCDD	0.98	1.00	1.01	1.02	0.97	0.95	0.99	2.60
13C-1,2,3,7,8-PeCDD	0.81	0.77	0.79	0.85	0.77	0.76	0.79	4.42
13C-1,2,3,4,7,8-HxCDD	1.03	1.02	1.04	1.05	1.03	1.01	1.03	1.53
13C-1,2,3,6,7,8-HxCDD	0.99	0.99	0.95	1.00	0.94	0.87	0.96	5.06
13C-1,2,3,4,6,7,8-HpCDD	0.74	0.76	0.75	0.79	0.74	0.71	0.75	3.56
13C-OCDD	0.50	0.47	0.51	0.53	0.52	0.49	0.50	3.82
13C-2,3,7,8-TCDF	0.98	0.99	1.01	1.02	0.95	0.93	0.98	3.36
13C-1,2,3,7,8-PeCDF	0.80	0.76	0.77	0.82	0.76	0.75	0.78	3.56
13C-2,3,4,7,8-PeCDF	0.78	0.74	0.74	0.79	0.73	0.73	0.75	3.55
13C-1,2,3,4,7,8-HxCDF	1.09	1.05	1.06	1.10	1.04	0.97	1.05	4.27
13C-1,2,3,6,7,8-HxCDF	1.49	1.41	1.39	1.50	1.37	1.23	1.40	7.09
13C-2,3,4,6,7,8-HxCDF	1.24	1.20	1.15	1.20	1.13	1.02	1.16	6.73
13C-1,2,3,7,8,9-HxCDF	1.30	1.31	1.30	1.33	1.28	1.25	1.30	2.05
13C-1,2,3,4,6,7,8-HpCDF	0.82	0.87	0.80	0.89	0.79	0.78	0.83	5.74
13C-1,2,3,4,7,8,9-HpCDF	0.67	0.70	0.69	0.75	0.68	0.67	0.69	4.06
13C-OCDF	0.75	0.74	0.76	0.83	0.79	0.76	0.77	4.37
CLEANUP STANDARD								
37Cl-2,3,7,8-TCDD	0.82	0.77	0.68	0.70	0.65	0.65	0.71	9.70

Analyst: 8Date: 5/18/11

USEPA - ITD

FORM 3D
PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/17/11

Instrument ID: FAL4 GC Column ID: DB5

CS0 Data Filename: 17MAY11Z S2 CS3 Data Filename: 17MAY11Z S1

CS1 Data Filename: 17MAY11Z S3 CS4 Data Filename: 17MAY11Z S5

CS2 Data Filename: 17MAY11Z S4 CS5 Data Filename: 17MAY11Z S6

Labeled Compounds	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS						QC LIMITS
		CS1	CS2	CS3	CS4	CS5	CS6	
13C-2,3,7,8-TCDD	M/M+2	0.78	0.80	0.79	0.80	0.80	0.79	0.65-0.89
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.55	1.56	1.57	1.58	1.55	1.32-1.78
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.25	1.25	1.25	1.25	1.25	1.27	1.05-1.43
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.24	1.26	1.25	1.26	1.25	1.25	1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	1.06	1.05	1.07	1.08	1.06	0.88-1.20
13C-OCDD	M+2/M+4	0.93	0.89	0.93	0.96	0.85	0.90	0.76-1.02
13C-2,3,7,8-TCDF	M/M+2	0.80	0.81	0.79	0.81	0.79	0.80	0.65-0.89
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.57	1.58	1.58	1.57	1.57	1.32-1.78
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.58	1.54	1.53	1.58	1.60	1.32-1.78
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.53	0.52	0.52	0.52	0.52	0.43-0.59
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.51	0.51	0.53	0.52	0.53	0.43-0.59
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.52	0.52	0.53	0.52	0.51	0.43-0.59
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.52	0.52	0.52	0.52	0.52	0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.44	0.44	0.44	0.43	0.44	0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.44	0.45	0.45	0.43	0.43	0.44	0.37-0.51
13C-OCDF	M+2/M+4	0.91	0.91	0.89	0.89	0.89	0.90	0.76-1.02

Analyst: 

Date: 5/18/11

FORM 5
PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Frontier Analytical Laboratory Episode No.:
Contract No.: SAS No.:
Instrument ID: FAL4 Initial Calibration Date: 5/17/11
RT Window Data Filename: 17MAY11Z Sam:1 Analysis Date: 17-MAY-11 Time: 14:07:21
DB-5 IS Data Filename: 17MAY11Z Sam:1 Analysis Date: 17-MAY-11 Time: 14:07:21
DB-225 IS Data Filename: Analysis Date: Time:

DB-5 RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	24:25	1,3,6,8-TCDF (F)	23:02
1,2,8,9-TCDD (L)	28:25	1,2,8,9-TCDF (L)	28:38
1,2,4,7,9-PeCDD (F)	30:21	1,3,4,6,8-PeCDF (F)	28:29
1,2,3,8,9-PeCDD (L)	33:53	1,2,3,8,9-PeCDF (L)	34:19
1,2,4,6,7,9-HxCDD (F)	36:13	1,2,3,4,6,8-HxCDF (F)	35:20
1,2,3,7,8,9-HxCDD (L)	39:16	1,2,3,7,8,9-HxCDF (L)	39:50
1,2,3,4,6,7,9-HpCDD (F)	42:51	1,2,3,4,6,7,8-HpCDF (F)	42:20
1,2,3,4,6,7,8-HpCDD (L)	44:14	1,2,3,4,7,8,9-HpCDF (L)	45:08

(F) = First eluting isomer (DB-5); (L) = Last eluting isomer (DB-5)

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

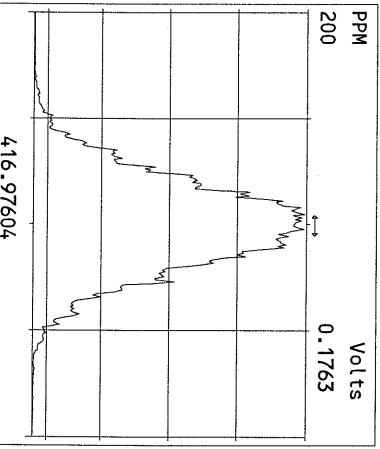
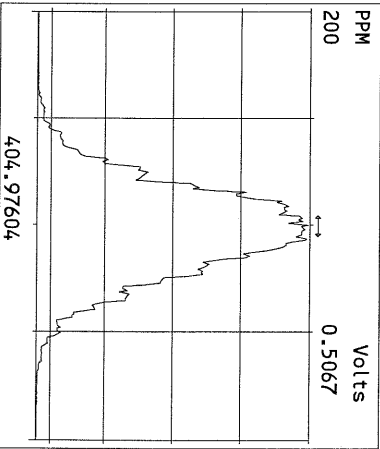
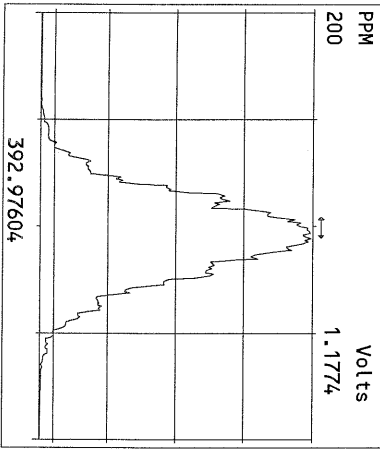
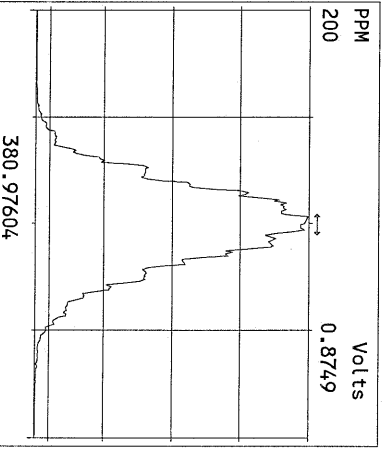
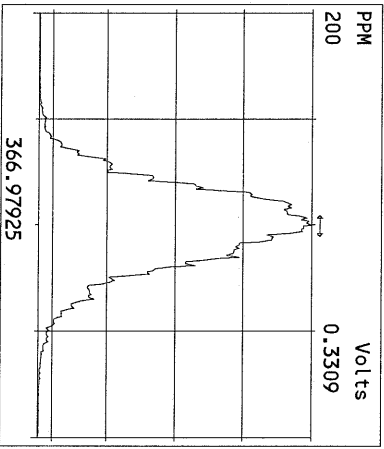
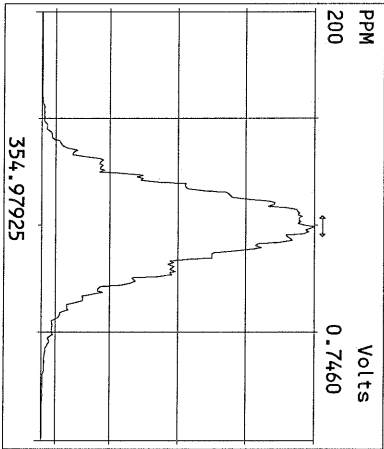
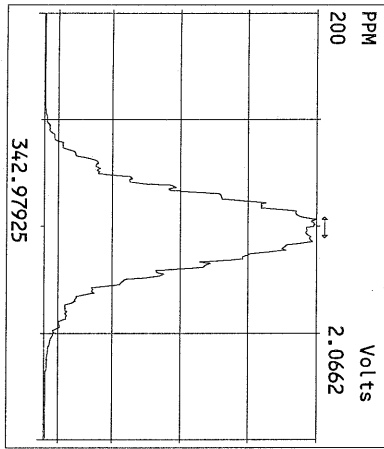
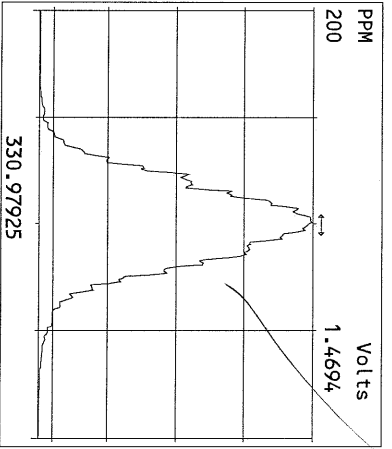
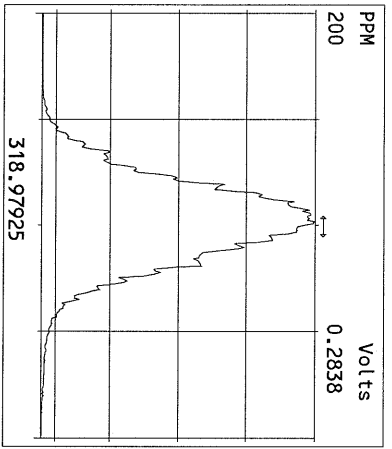
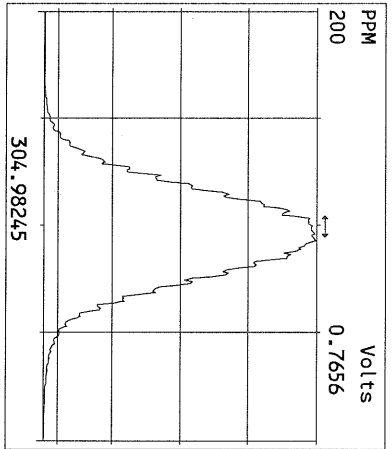
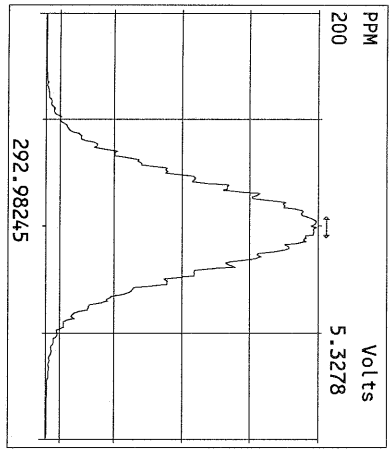
% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

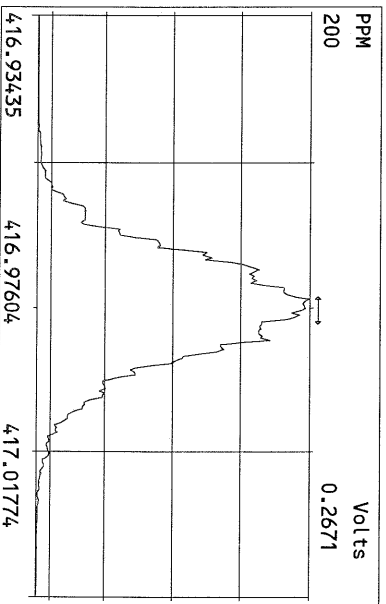
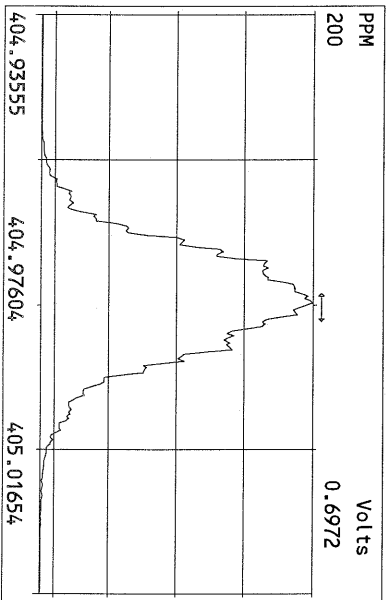
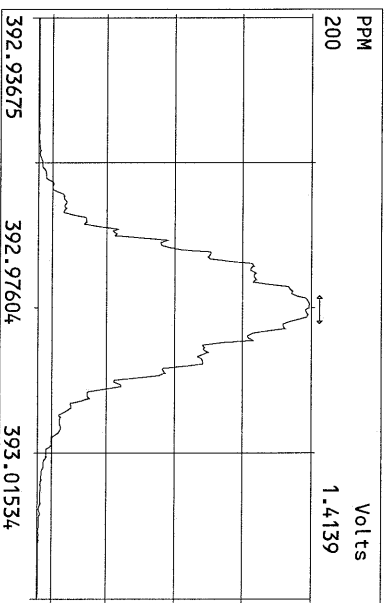
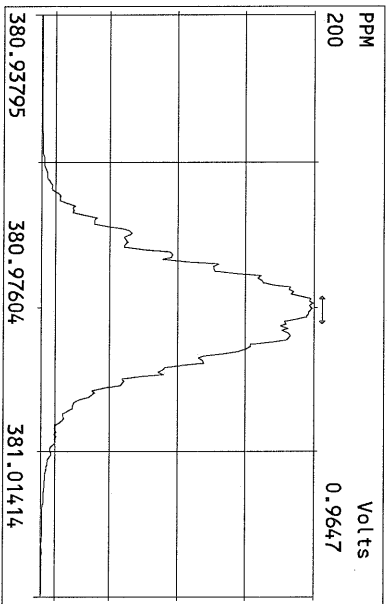
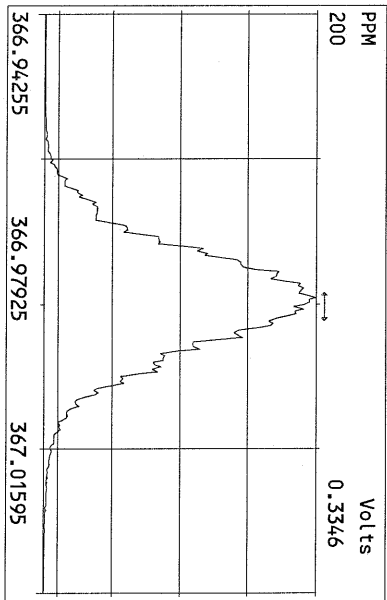
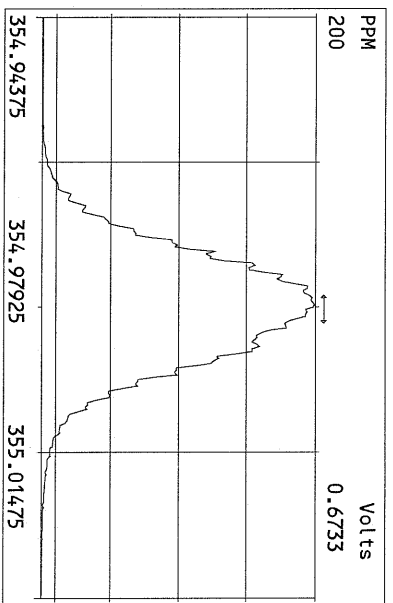
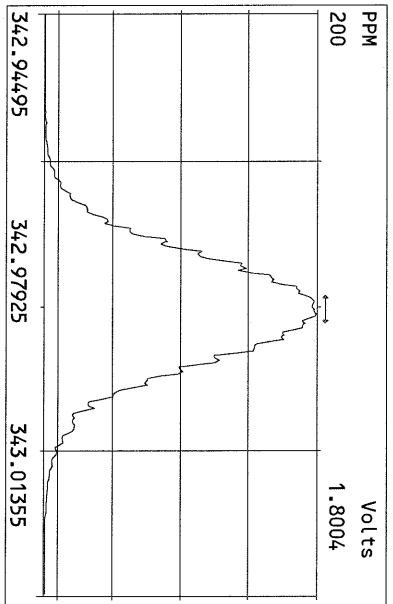
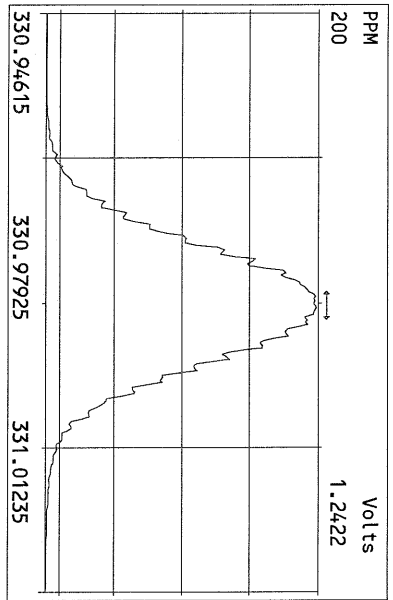
<25%

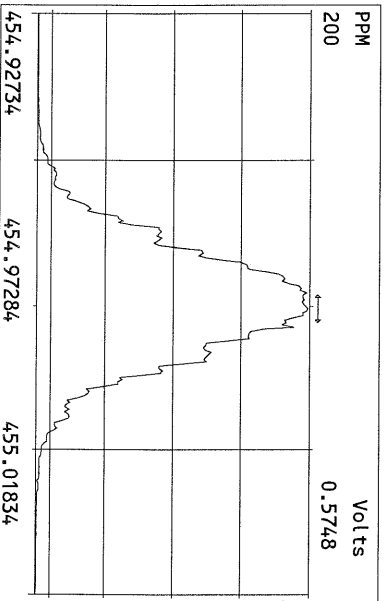
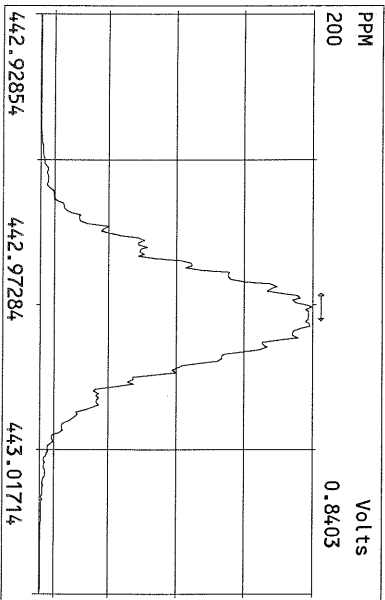
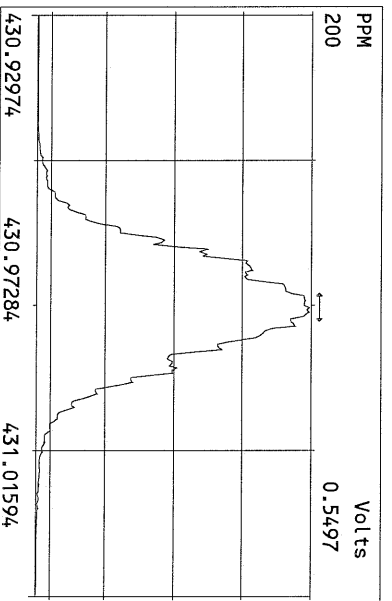
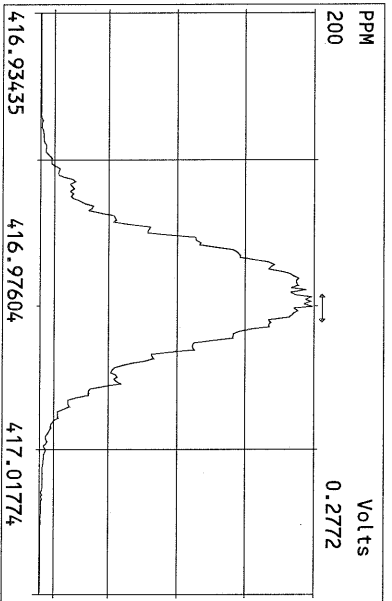
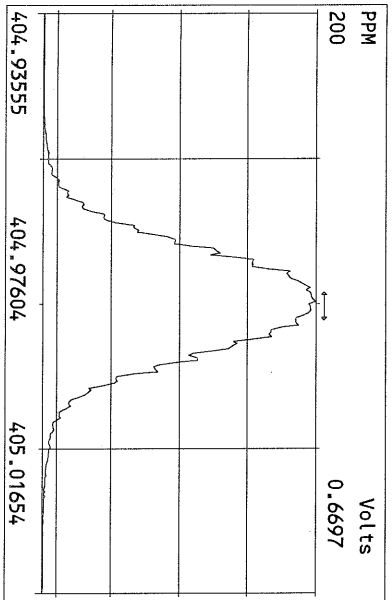
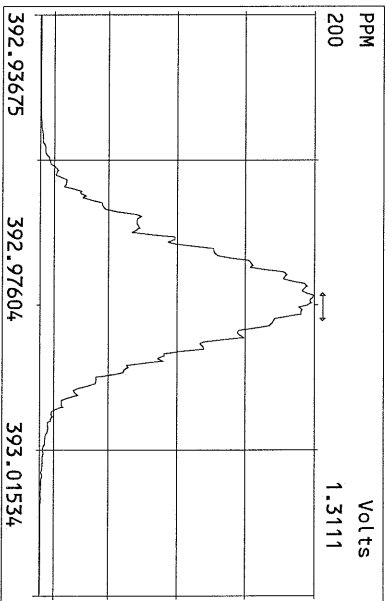
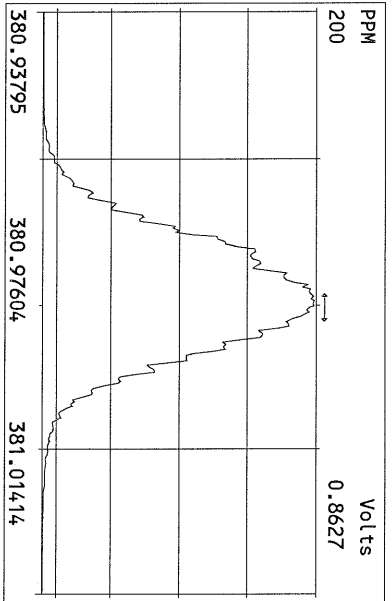
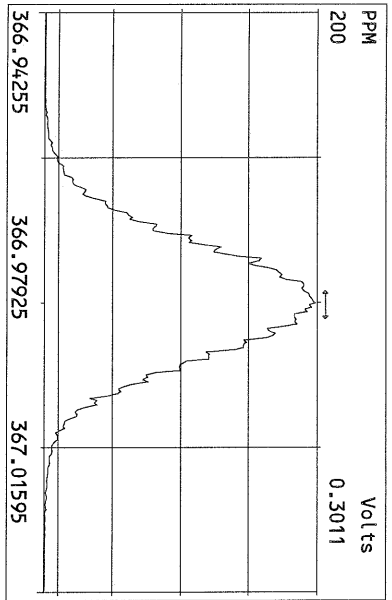
(1) To meet contract requirement, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

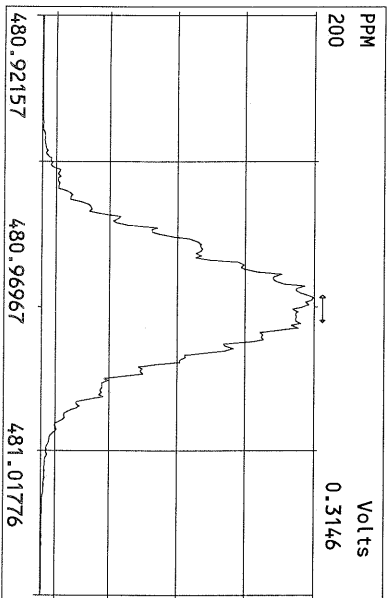
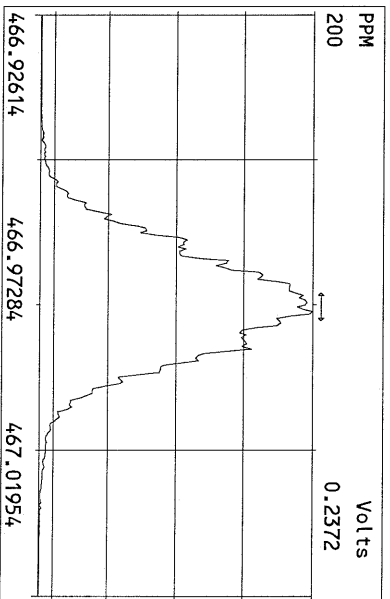
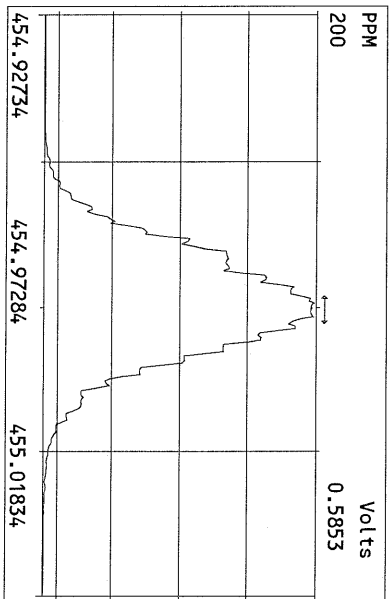
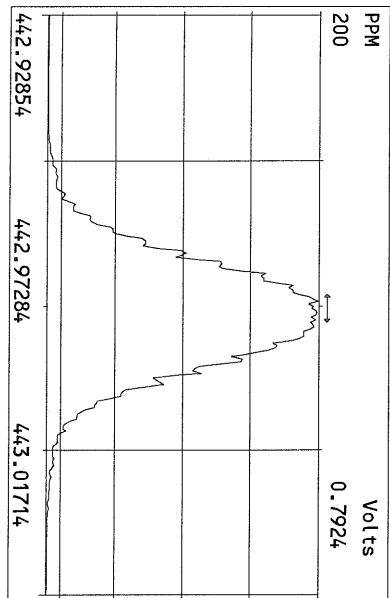
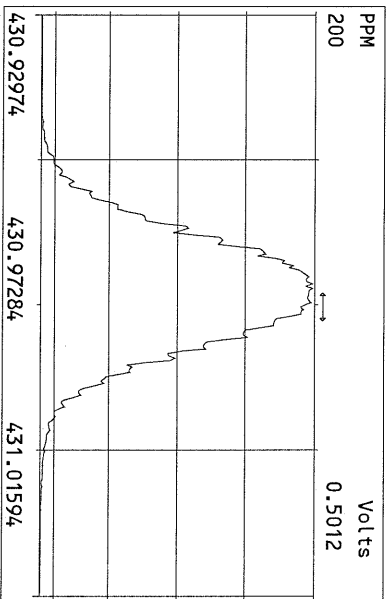
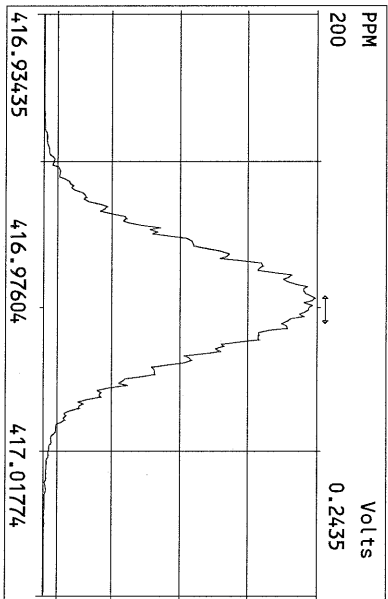
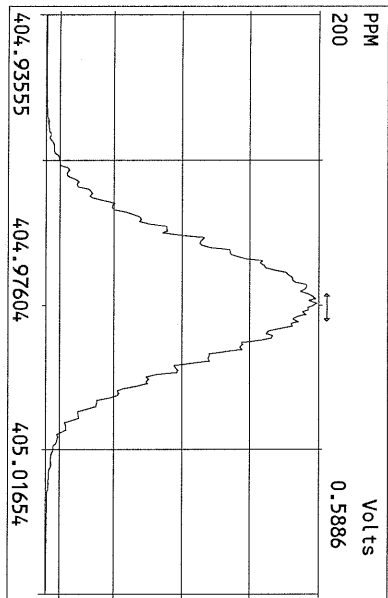
Analyst: J

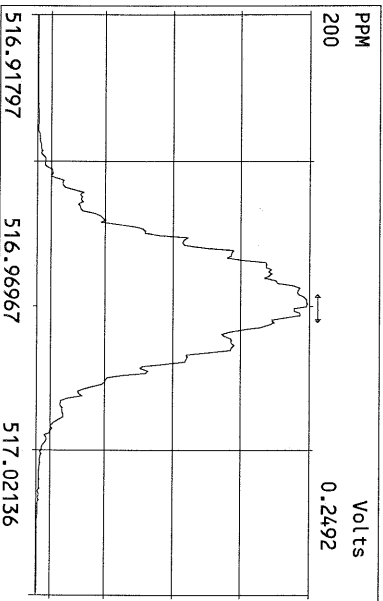
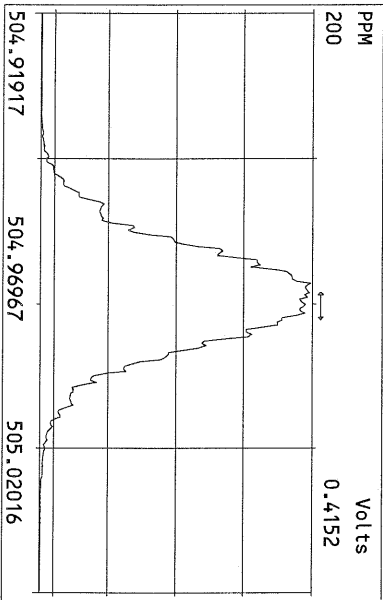
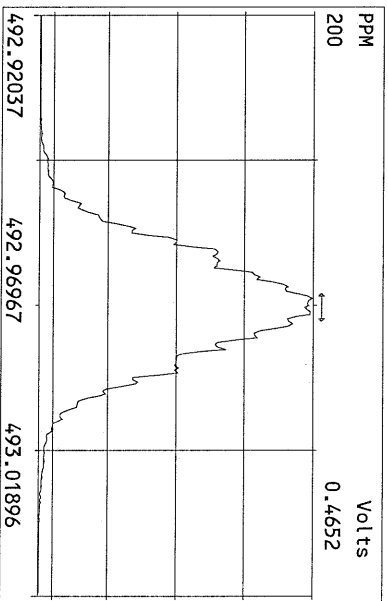
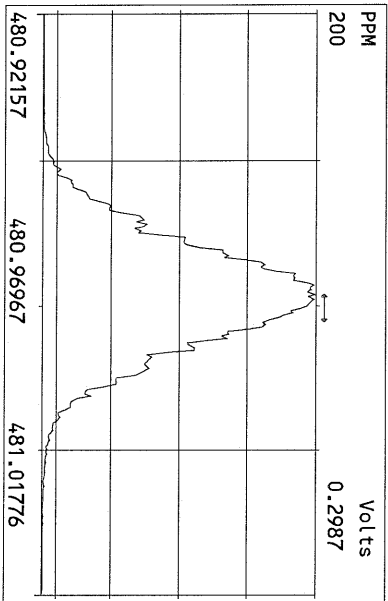
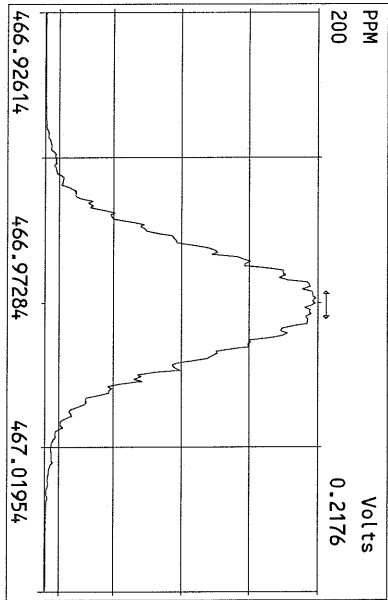
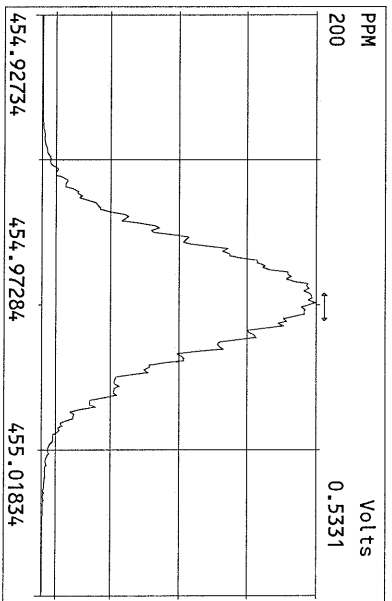
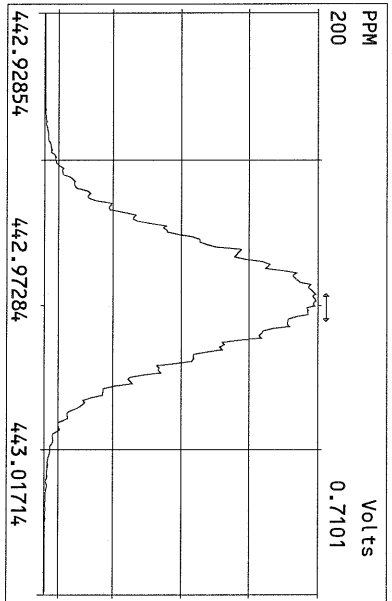
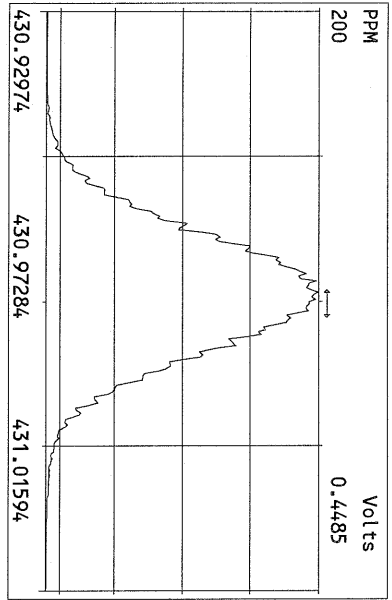
Date: 5/14/11



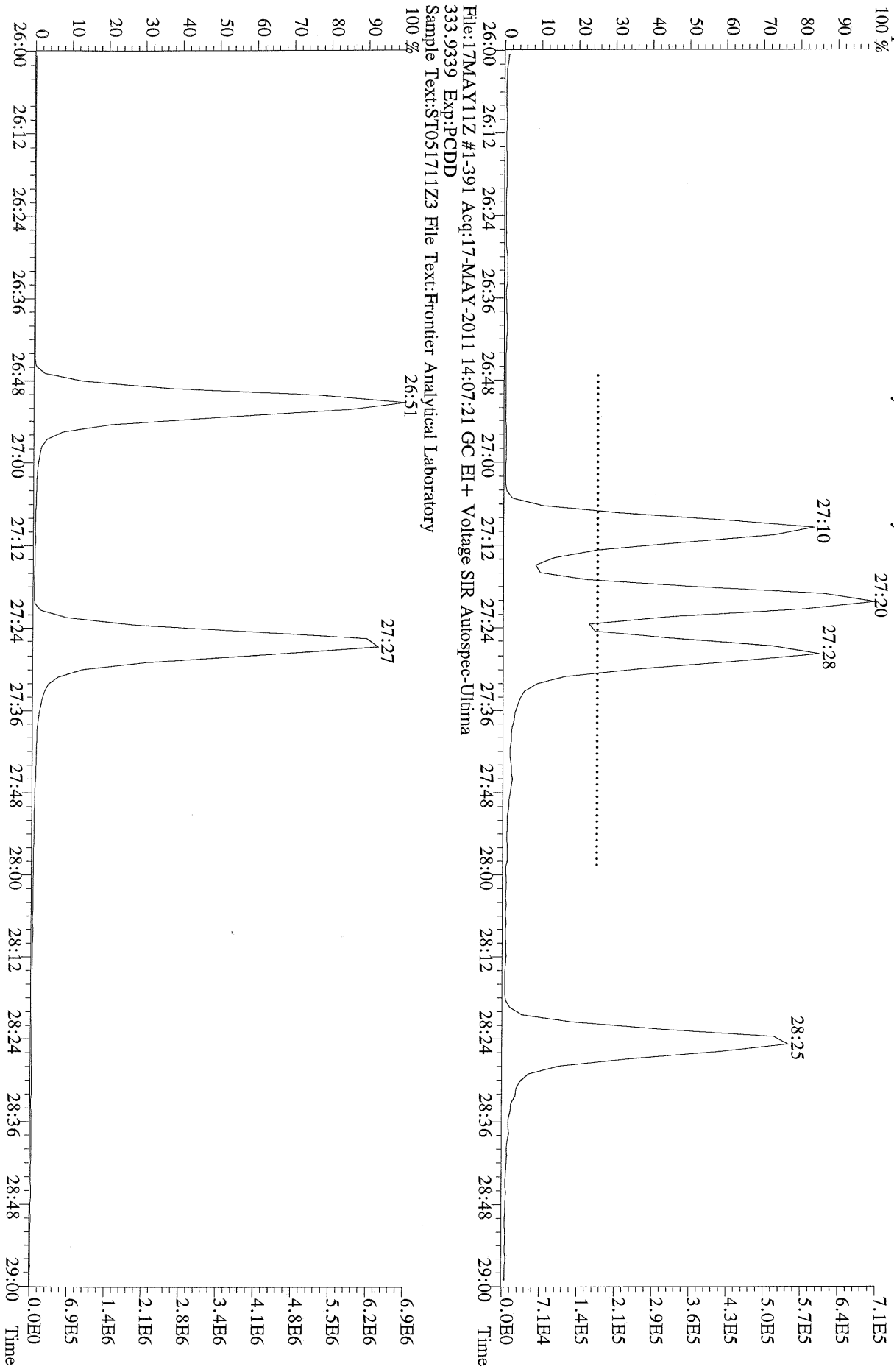






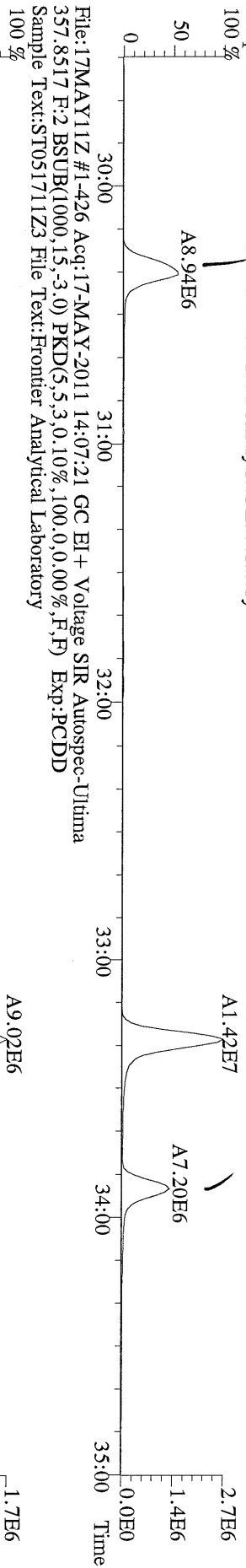


File:17MAY11Z #1-391 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Utima
319.8965 Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %

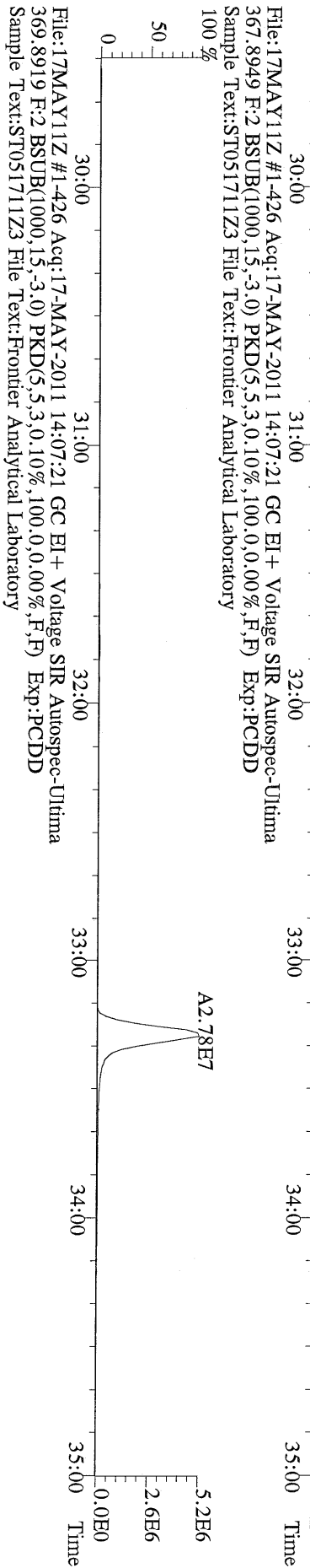


File:17MAY11Z #1-391 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Utima
333.9339 Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory

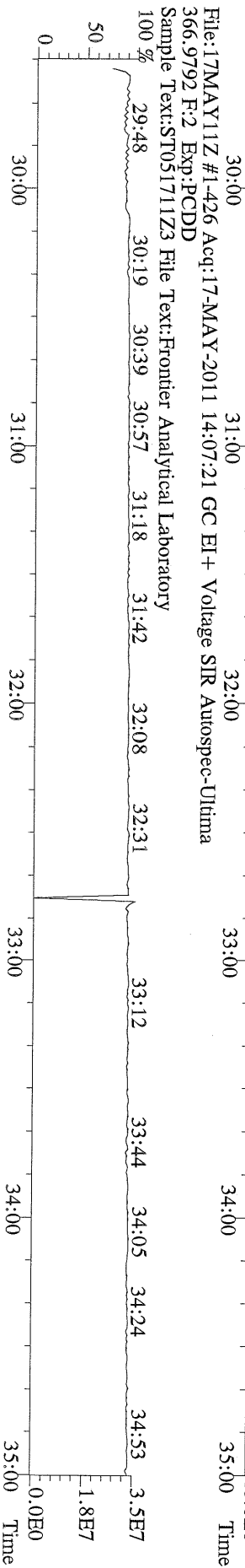
File:17MAY11Z #1-426 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %



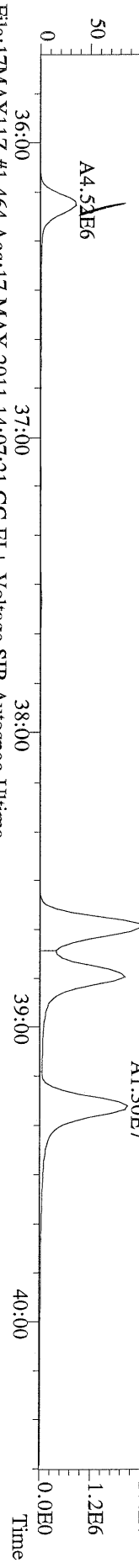
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367.8949 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %



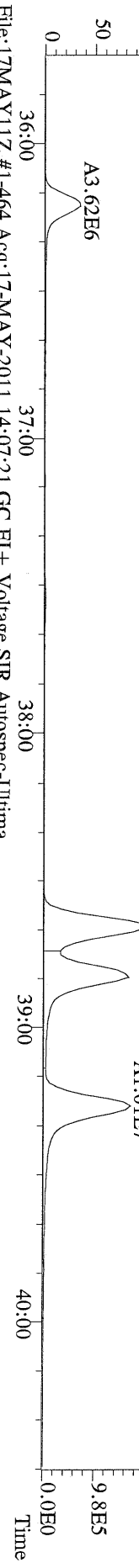
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366.9792 F:2 Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %



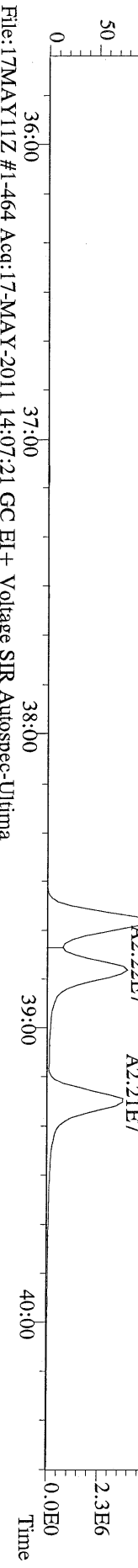
File:17MAY11Z #1-464 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory



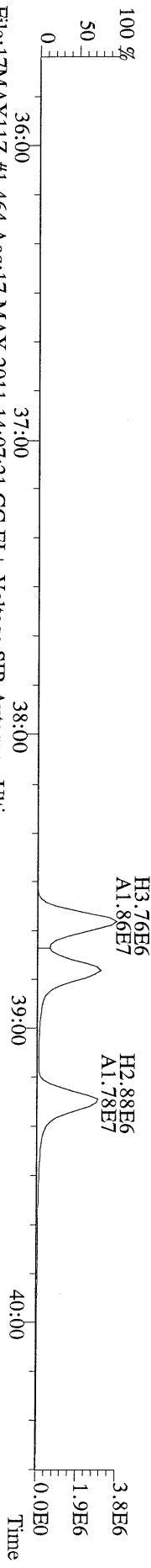
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 391.8127 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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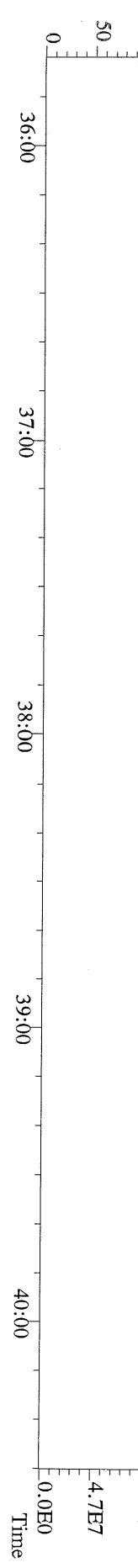
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 401.8559 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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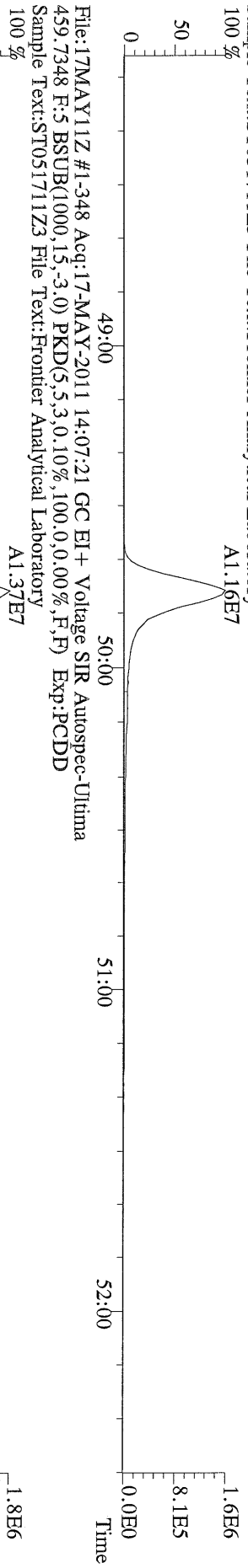
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 403.8530 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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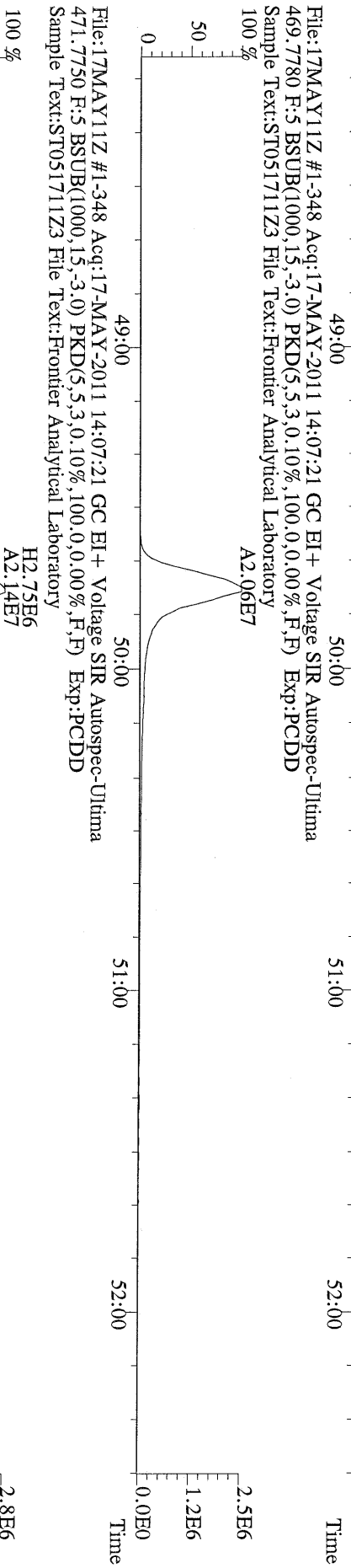
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 380.9760 F:3 Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory



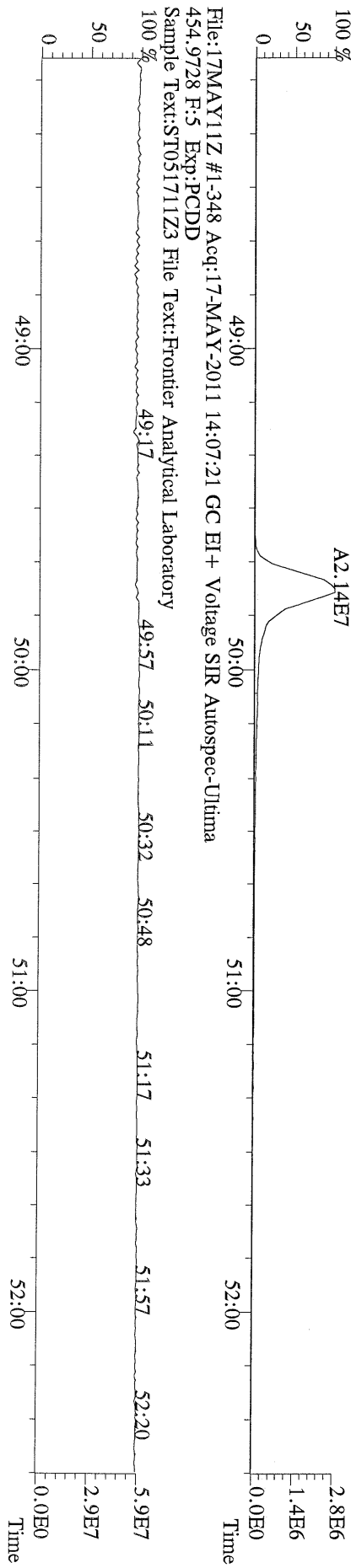
File:17MAY11Z #1-348 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %



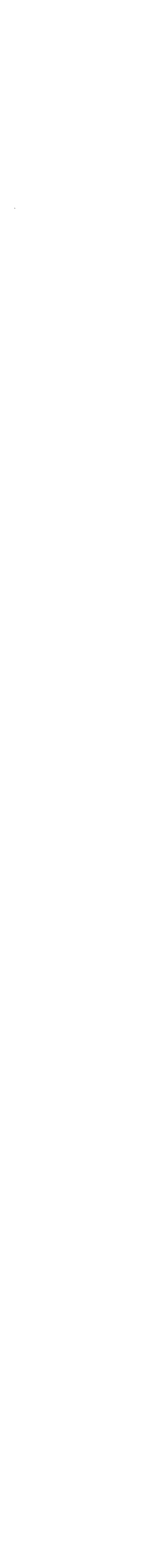
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469.7780 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
100 %



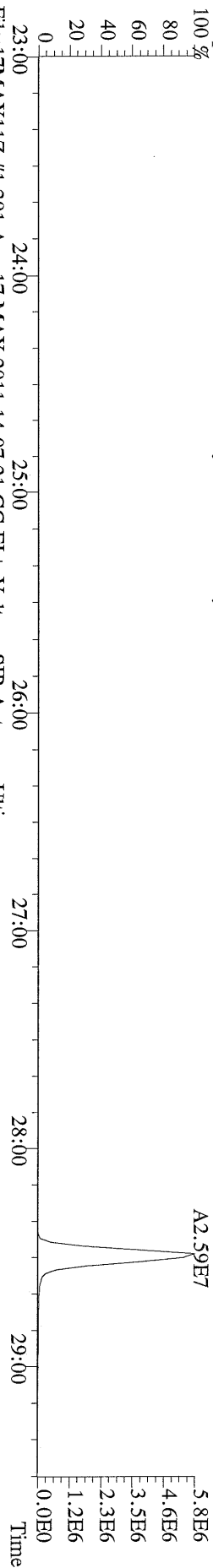
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471.7750 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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100 %



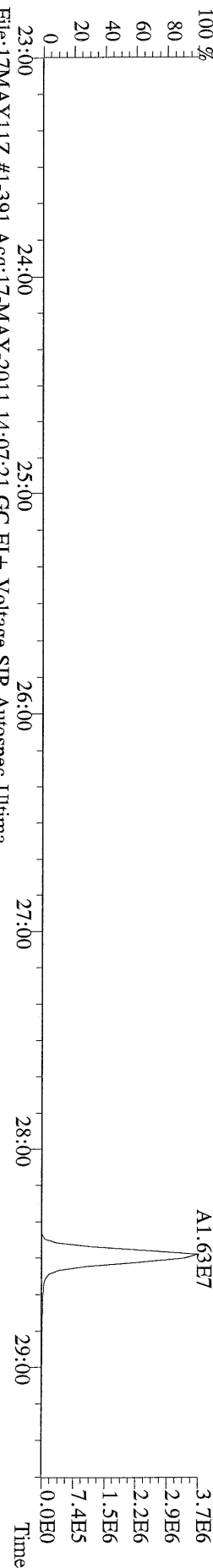
File:17MAY11Z #1-348 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
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100 %



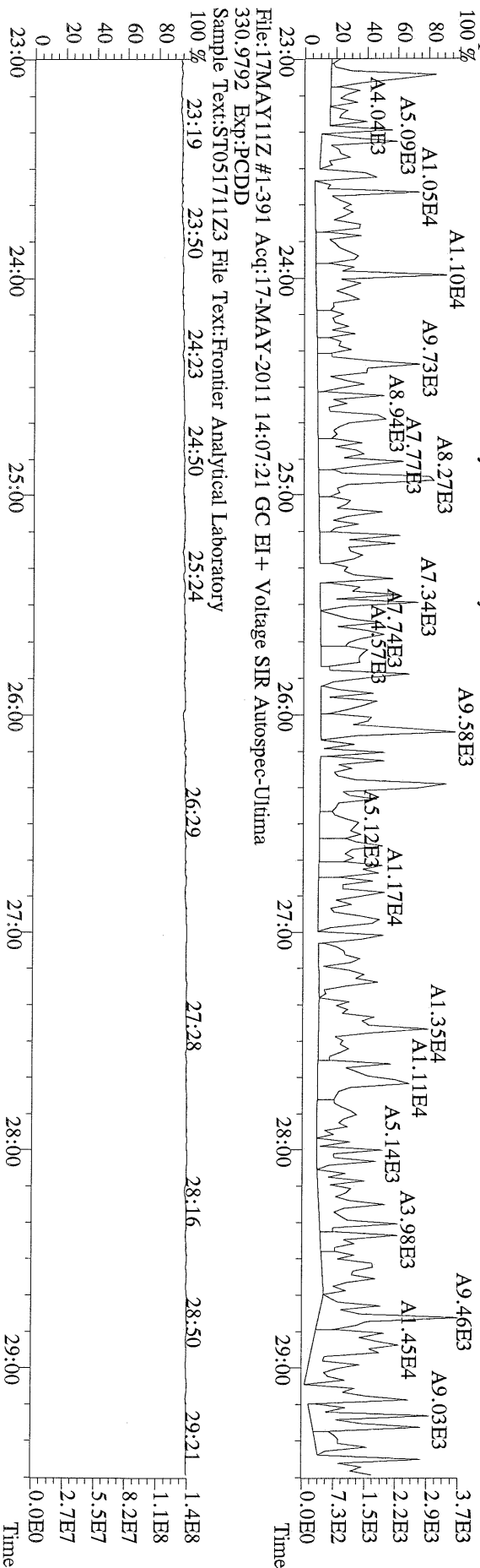
File:17MAY11Z #1-391 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
 100 %



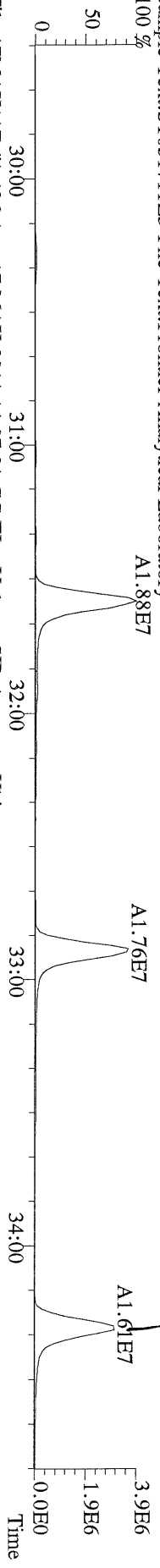
File:17MAY11Z #1-391 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
 100 %



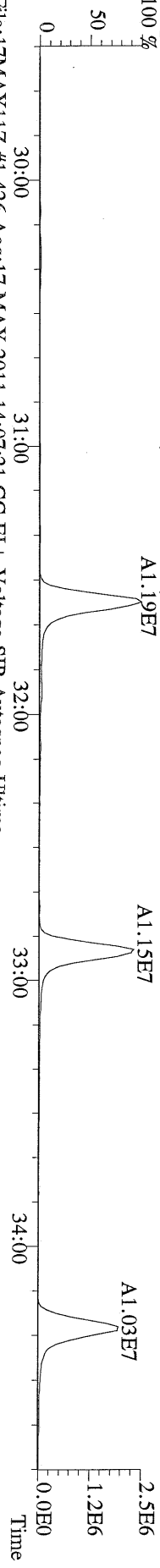
File:17MAY11Z #1-391 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory
 100 %



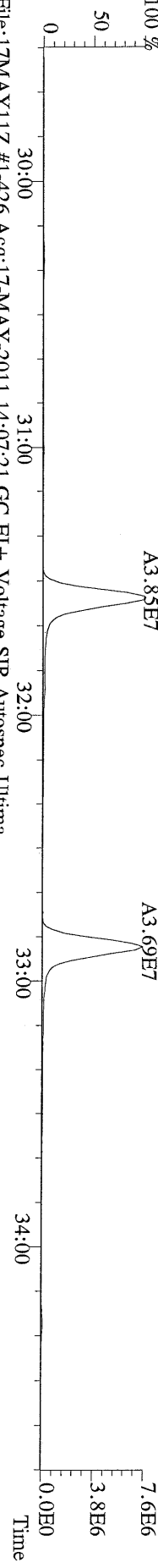
File:17MAY11Z #1-426 Acq:17-MAY-2011 14:07:21 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z3 File Text:Frontier Analytical Laboratory



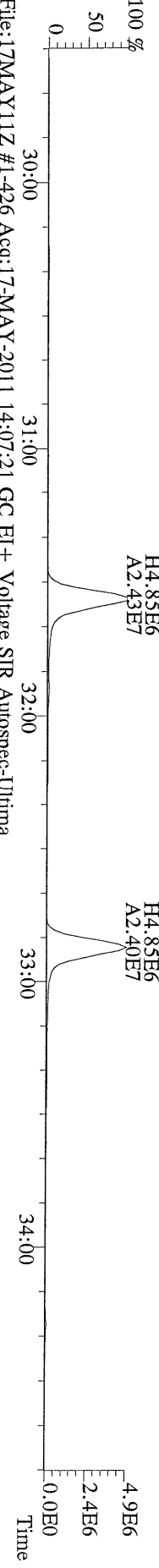
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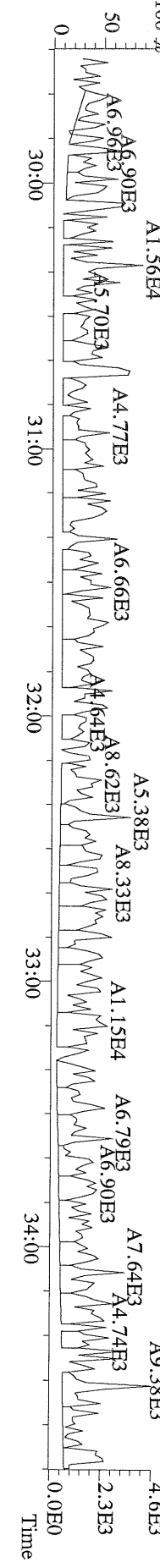
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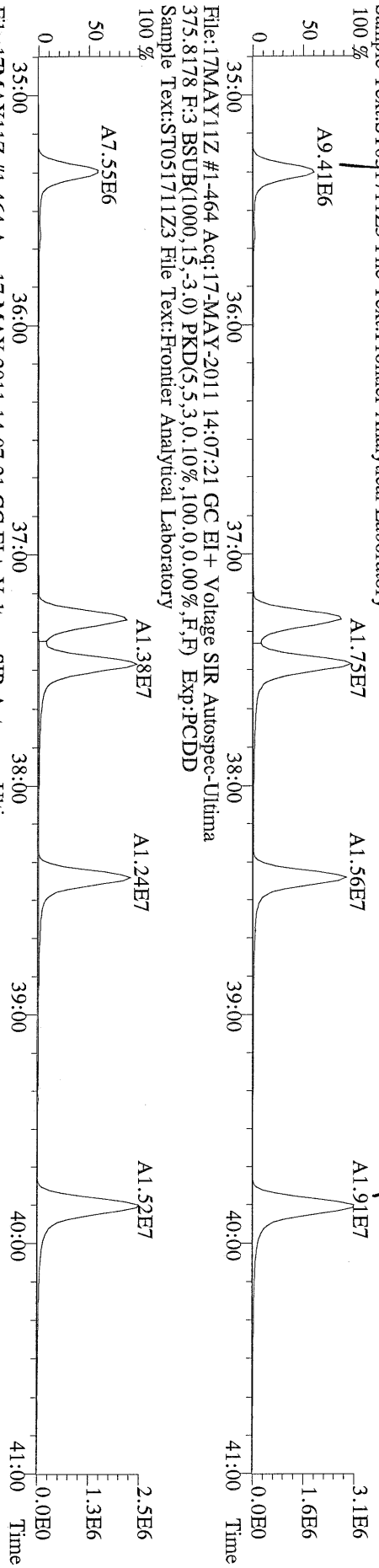
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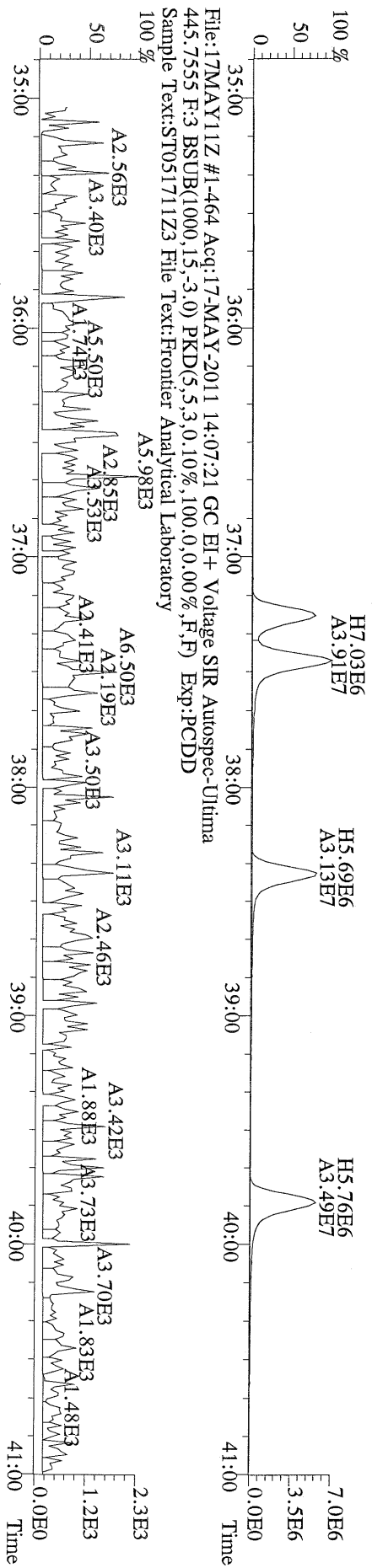
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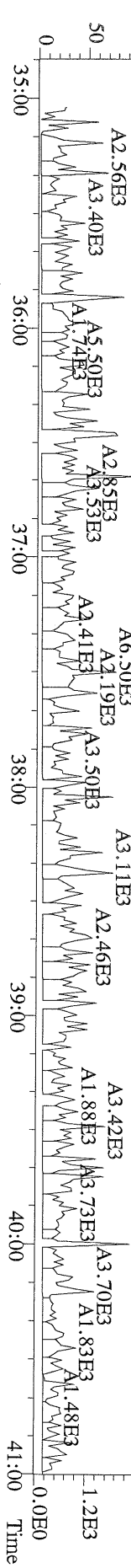
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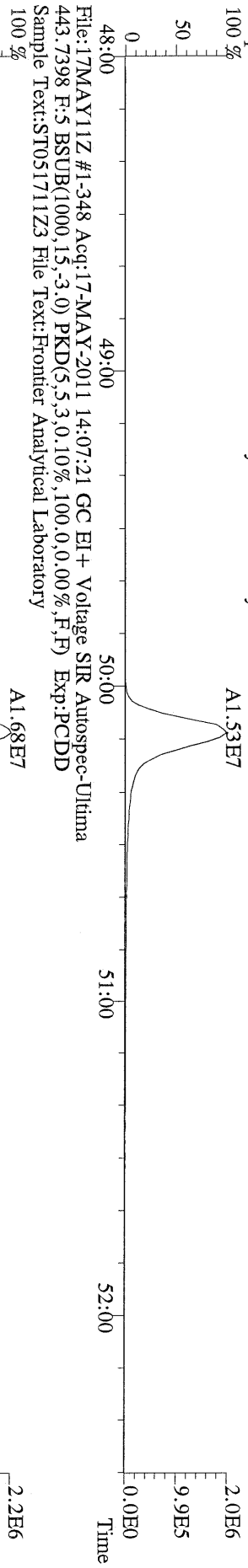
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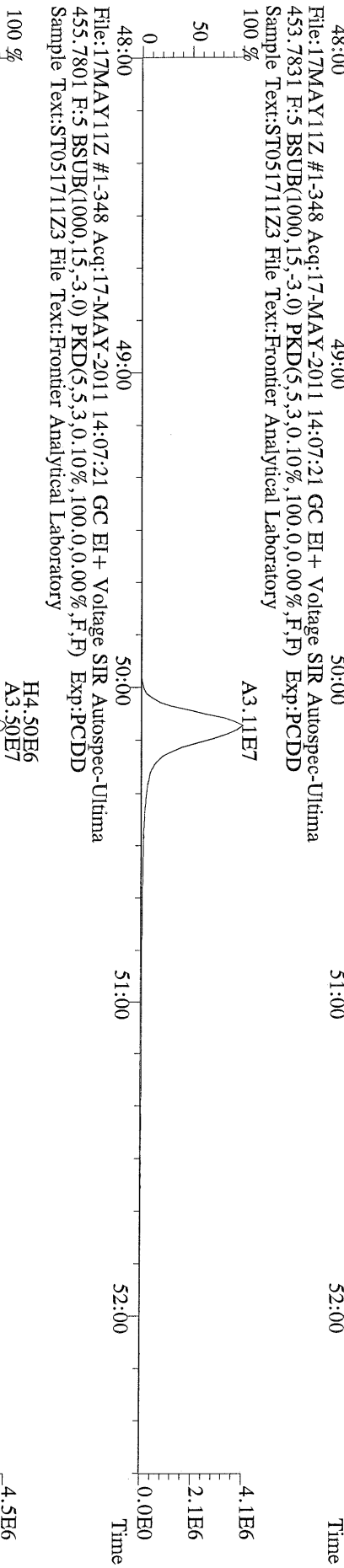
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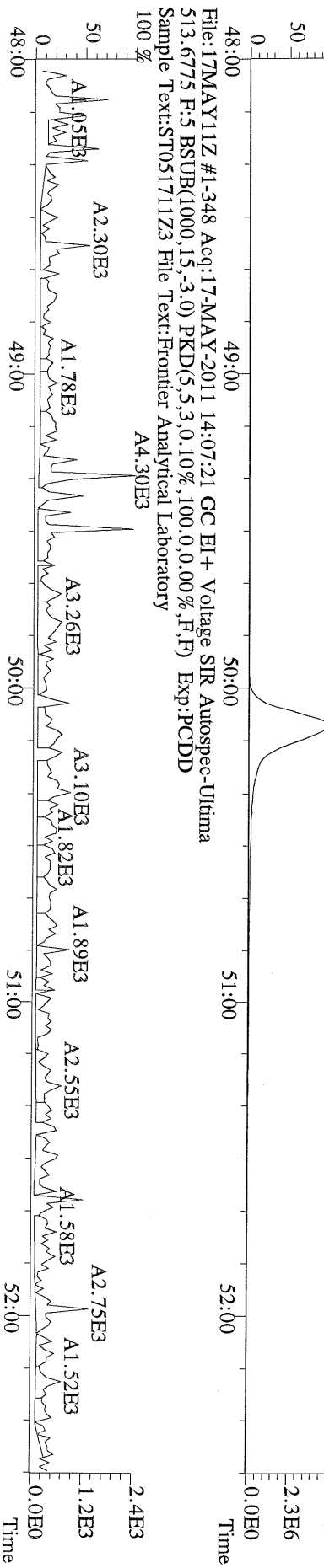
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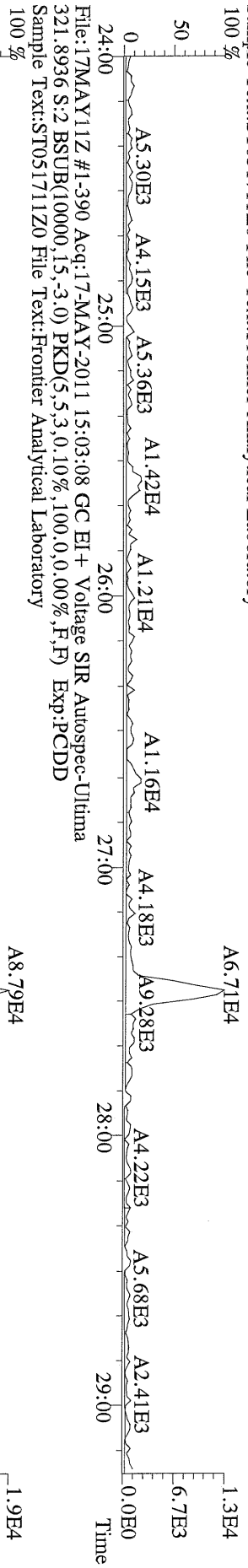
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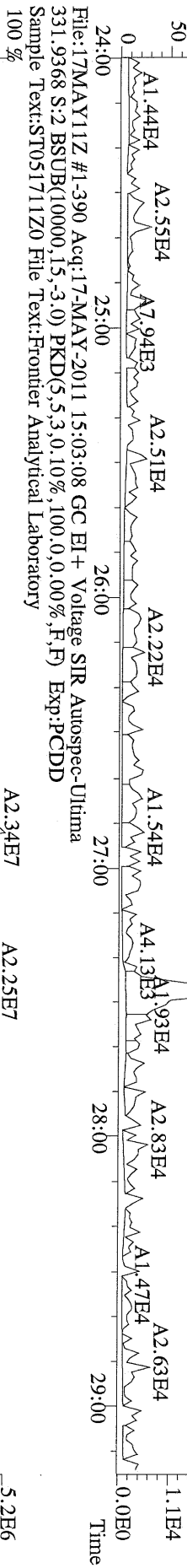
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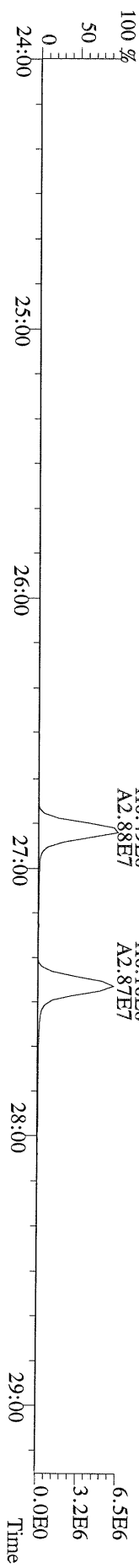
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100 %



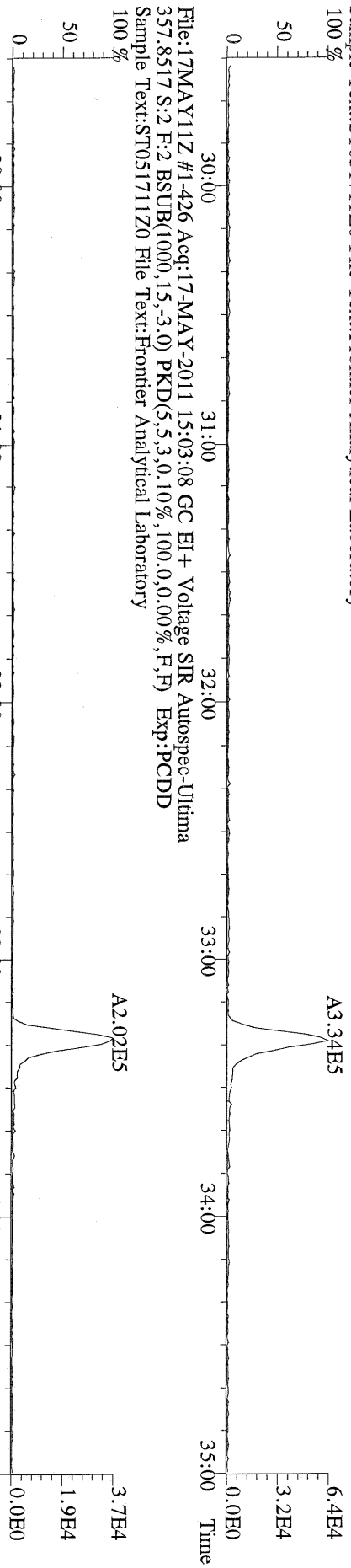
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Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory
100 %



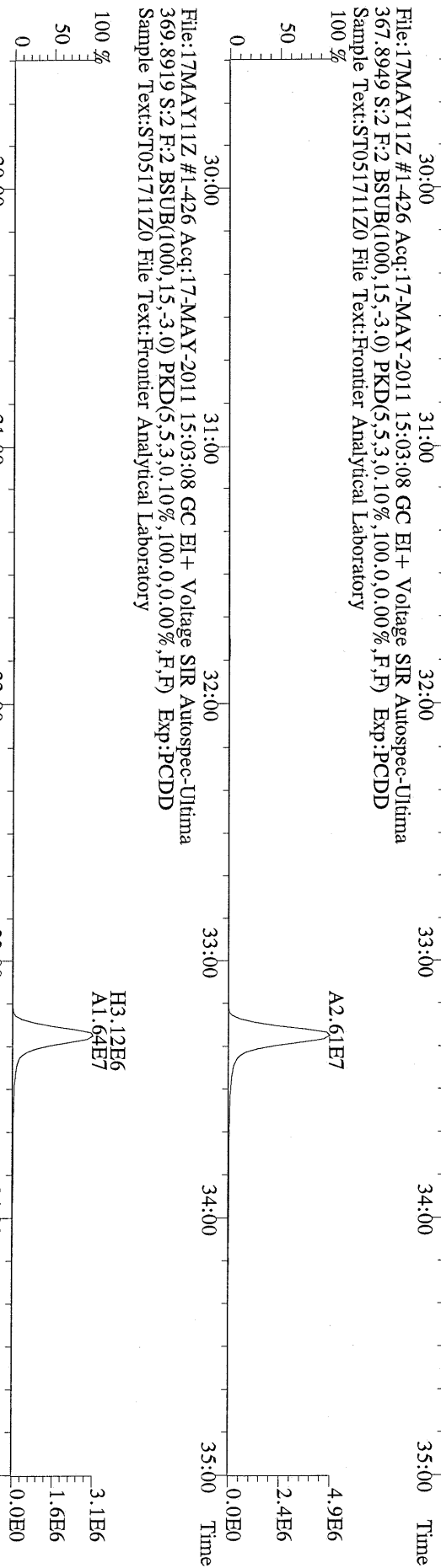
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Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory
100 %



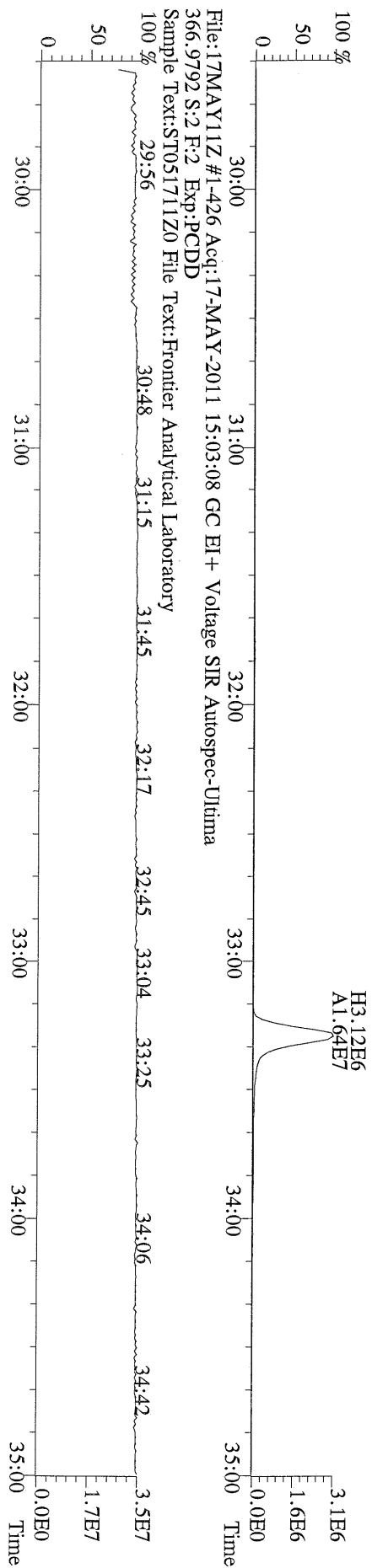
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Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory
100 %



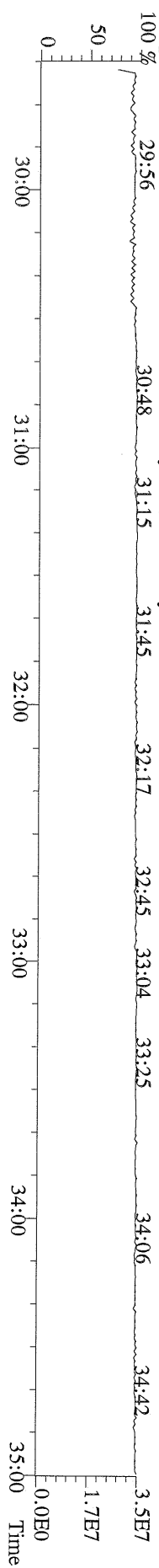
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Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory
100 %



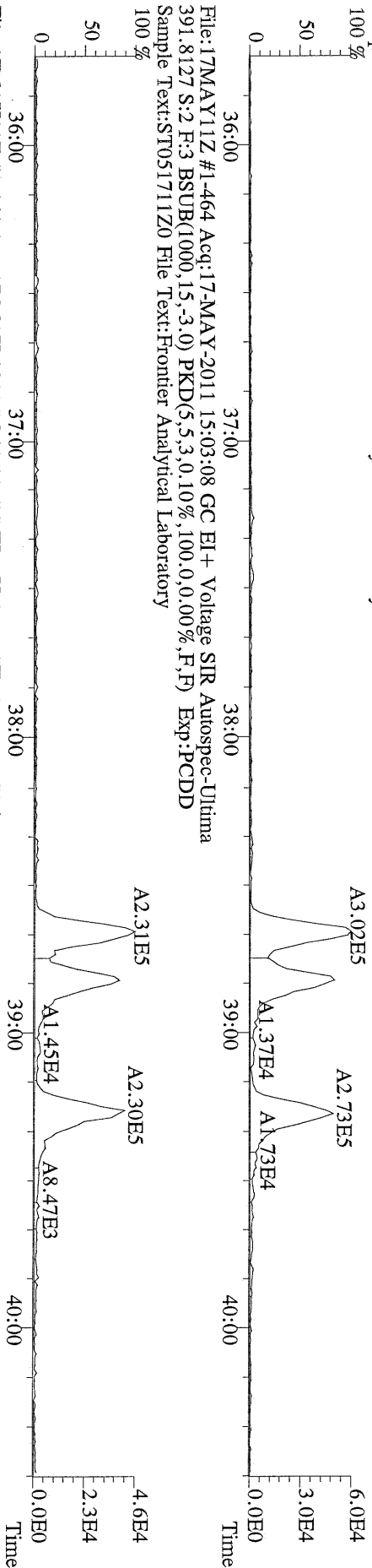
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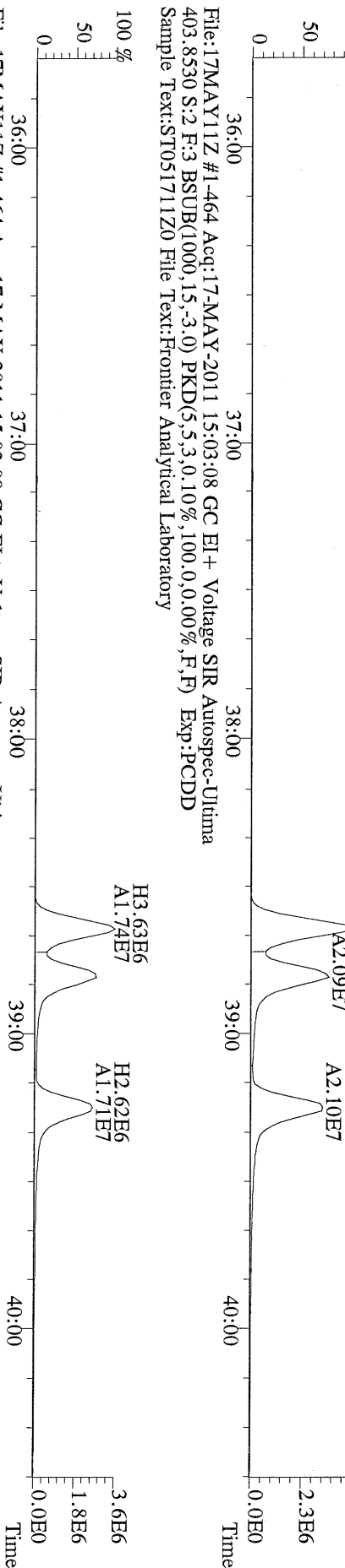
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100 %



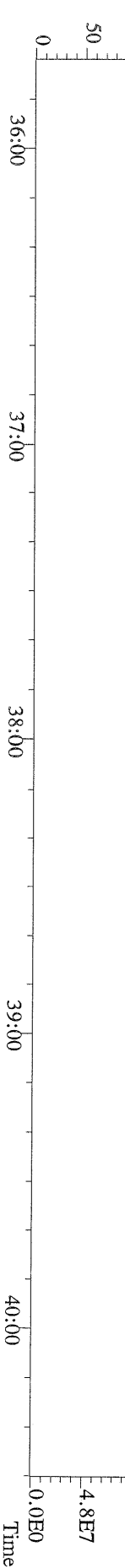
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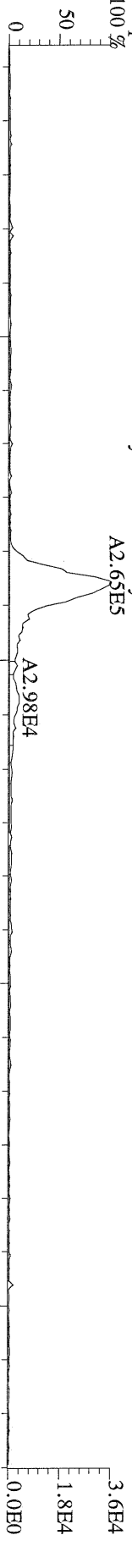
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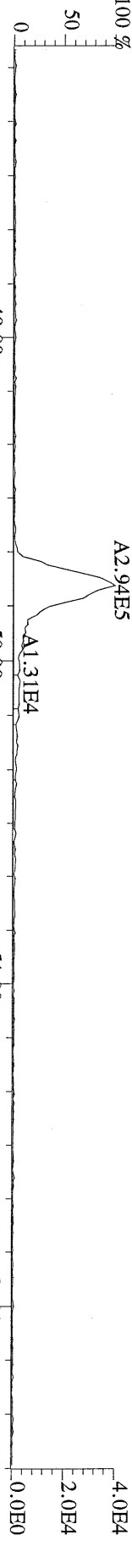
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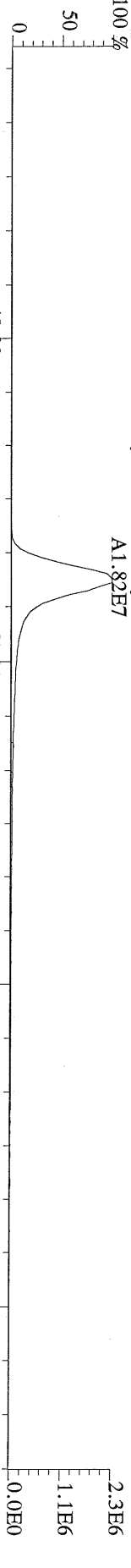
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Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory
100 %



File:17MAY11Z #1-348 Acq:17-MAY-2011 15:03:08 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:2 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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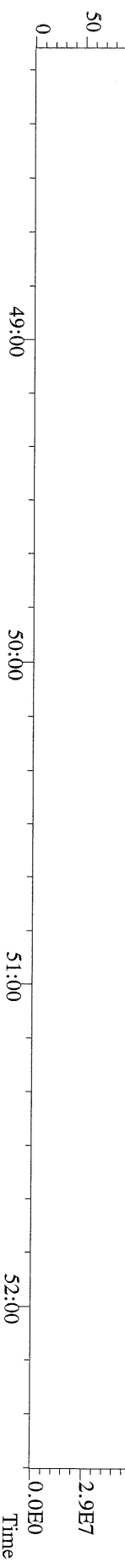
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100 %



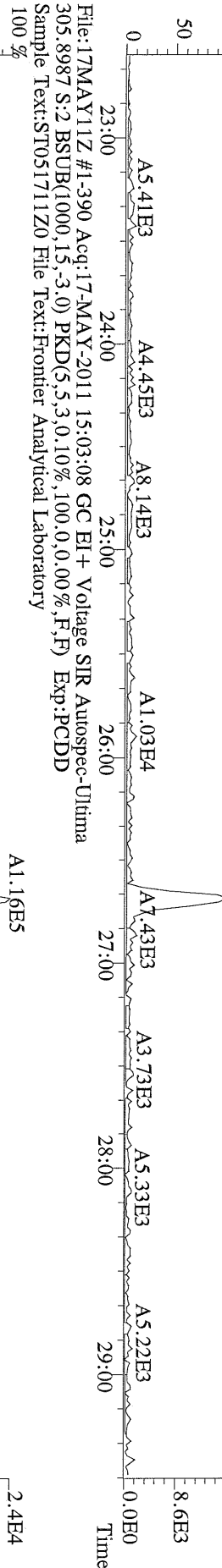
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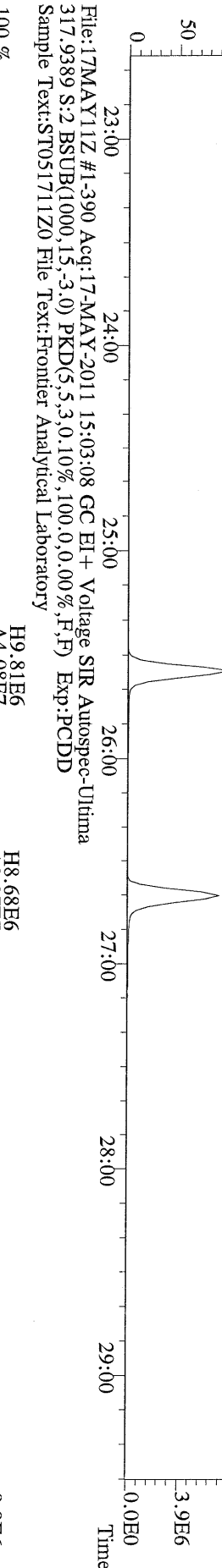
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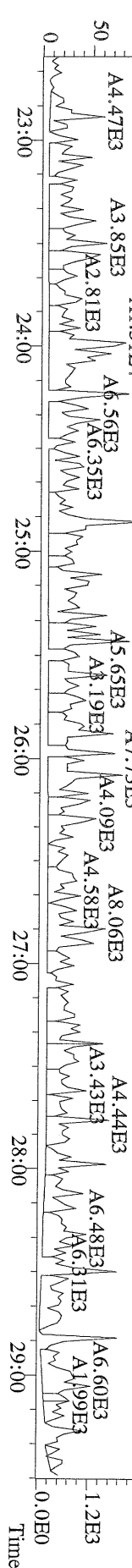
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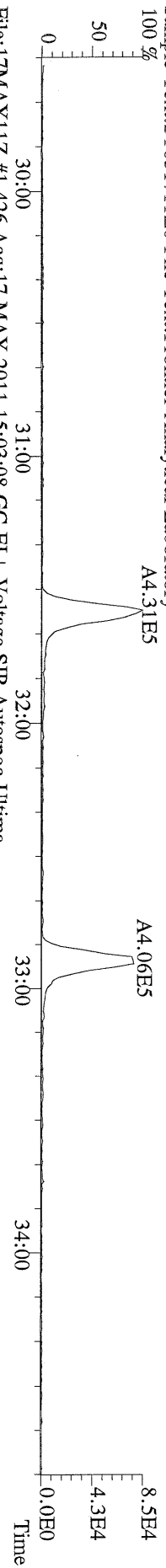
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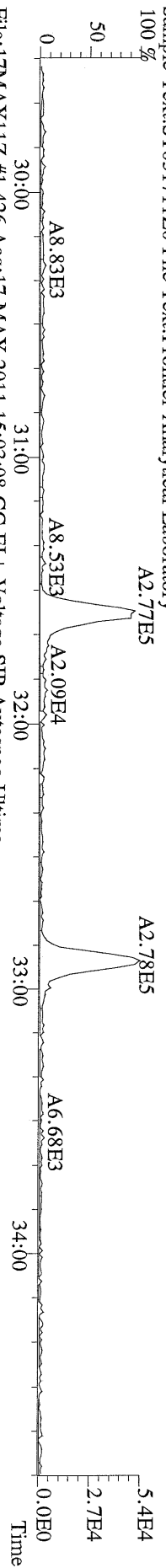
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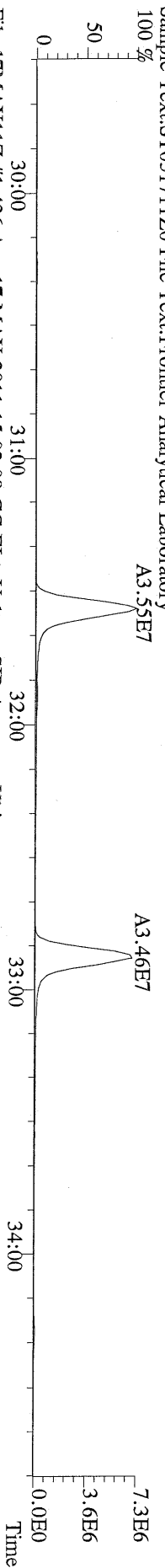
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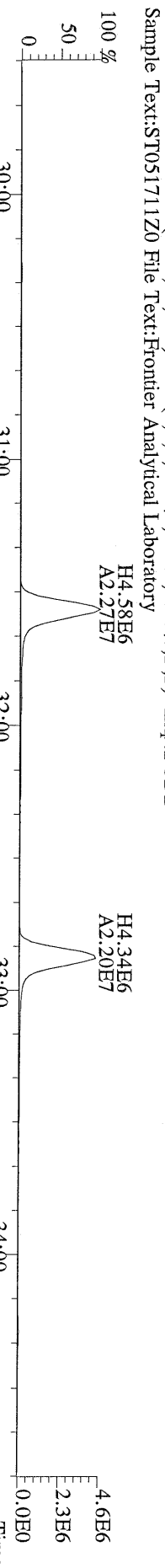
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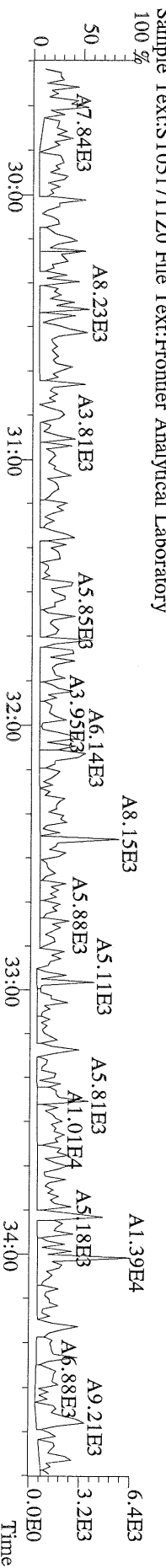
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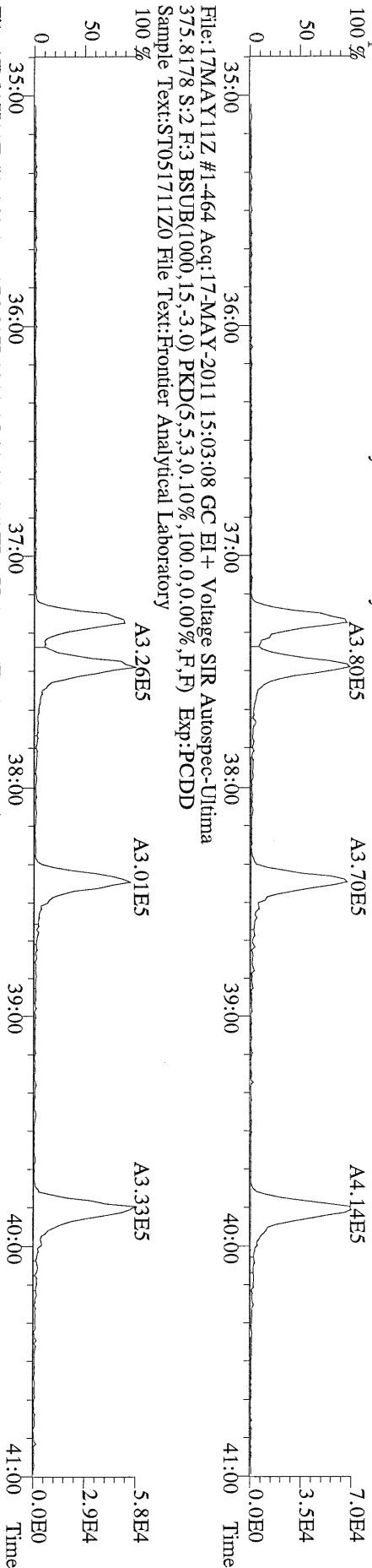
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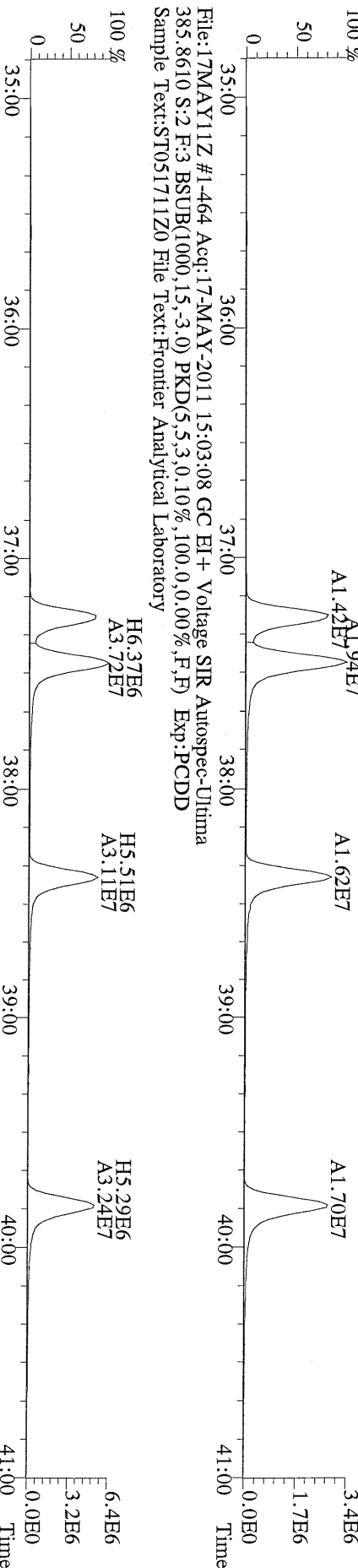
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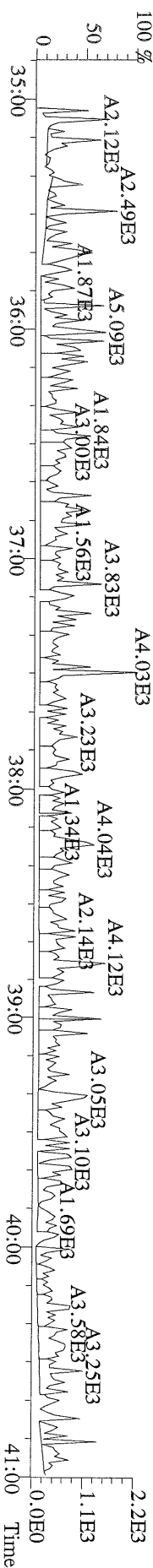
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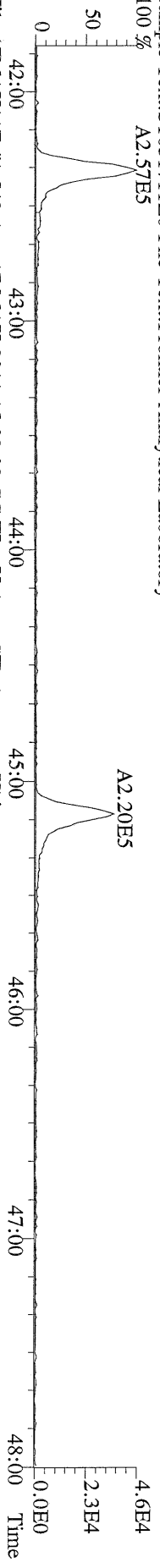
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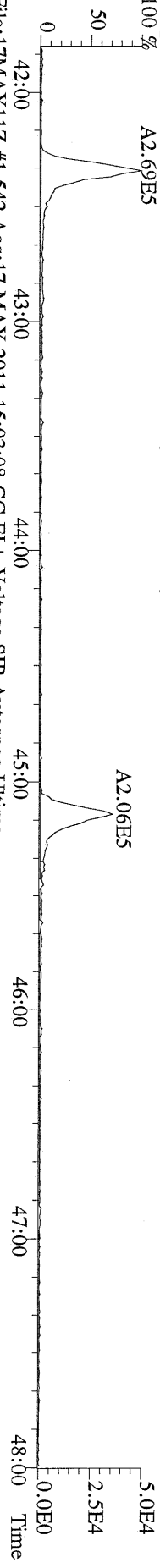
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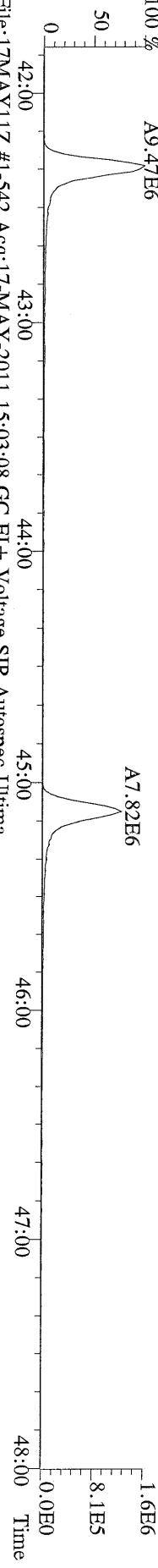
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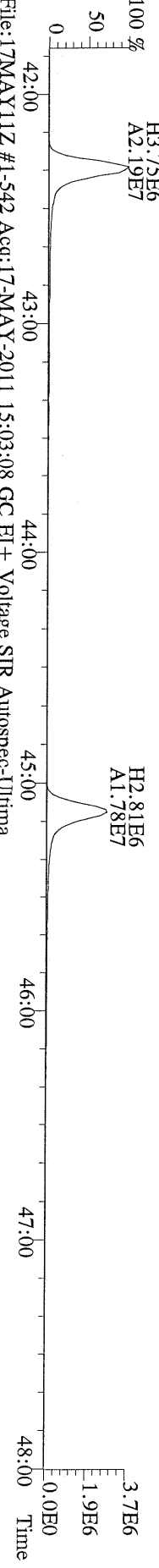
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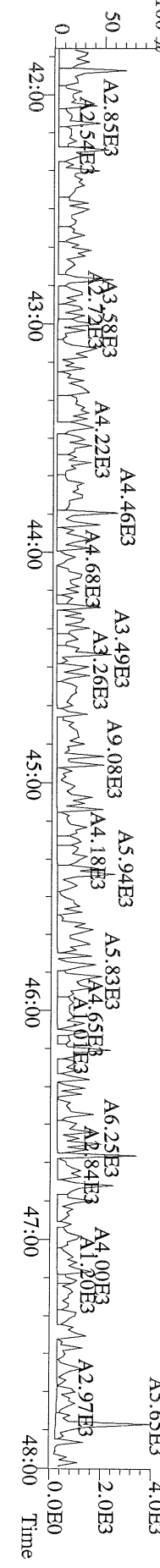
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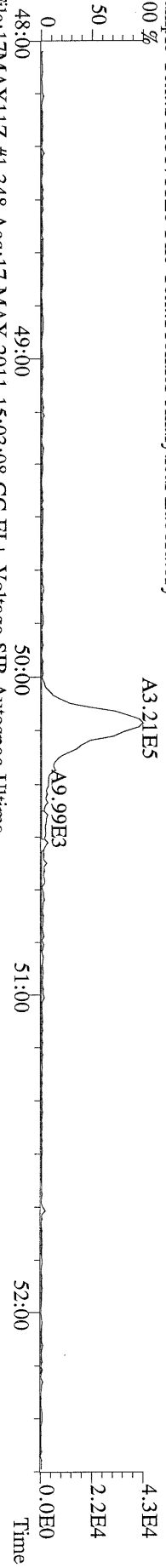
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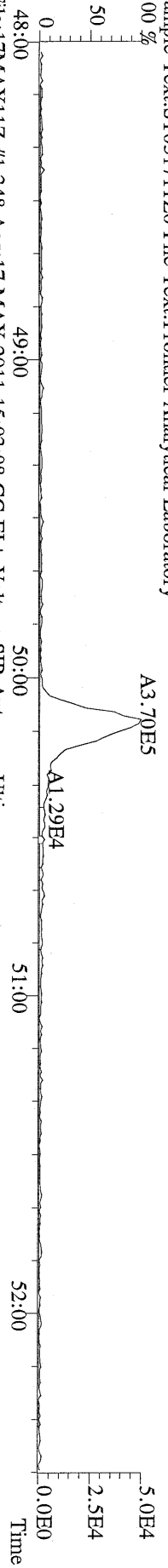
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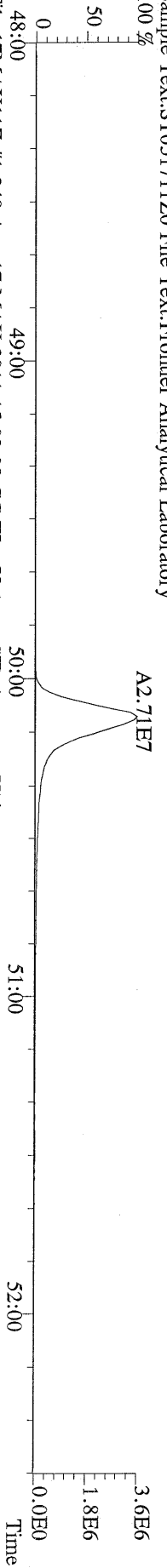
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441.7428 S.2: F.5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory



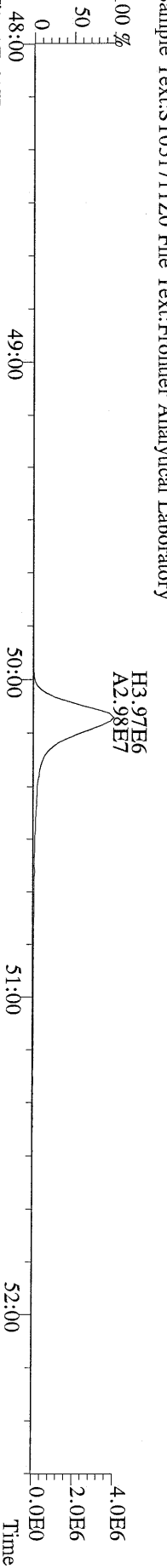
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443.7398 S.2: F.5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory



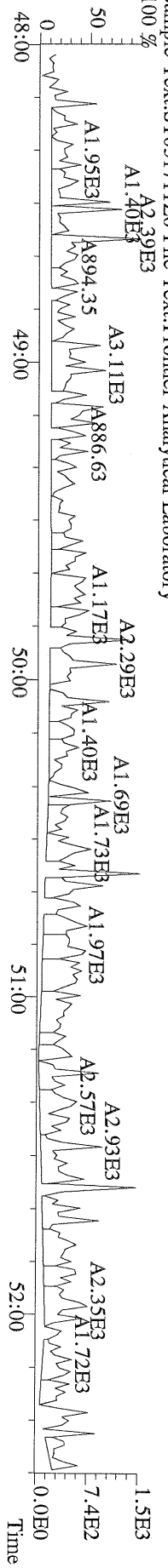
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453.7831 S.2: F.5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory



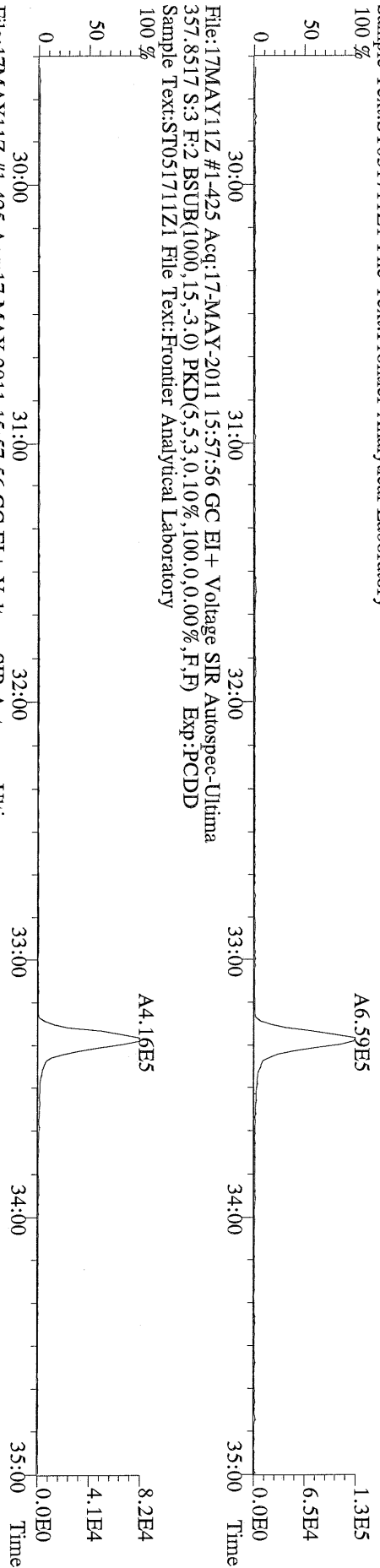
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455.7801 S.2: F.5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory



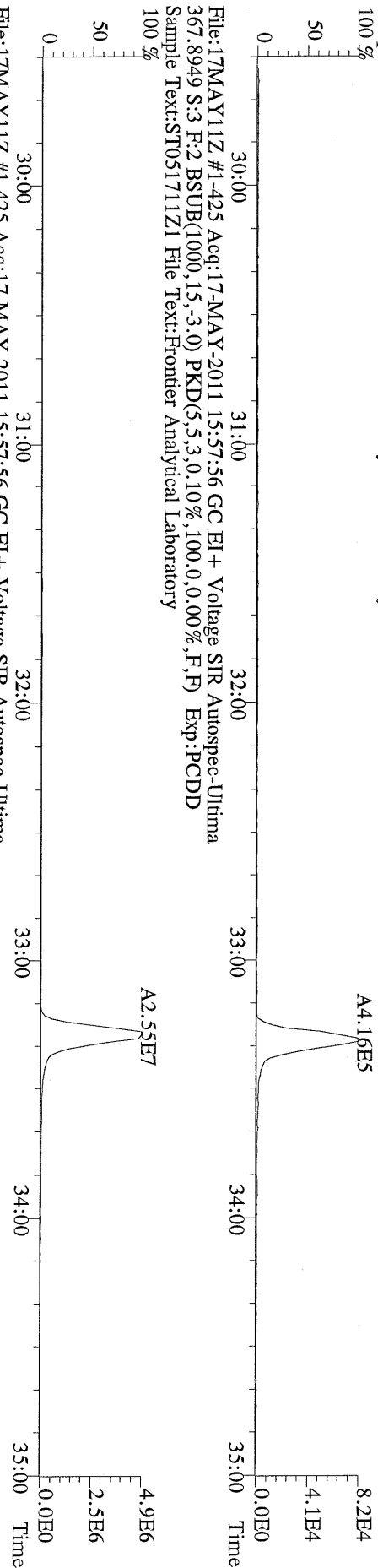
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513.6775 S.2: F.5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z0 File Text:Frontier Analytical Laboratory



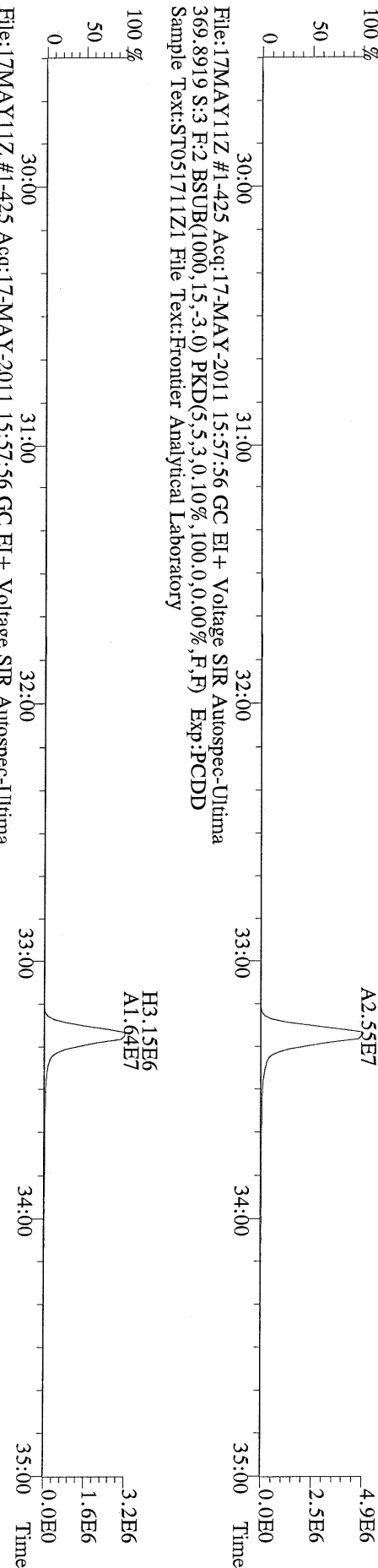
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355.8546 S.3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



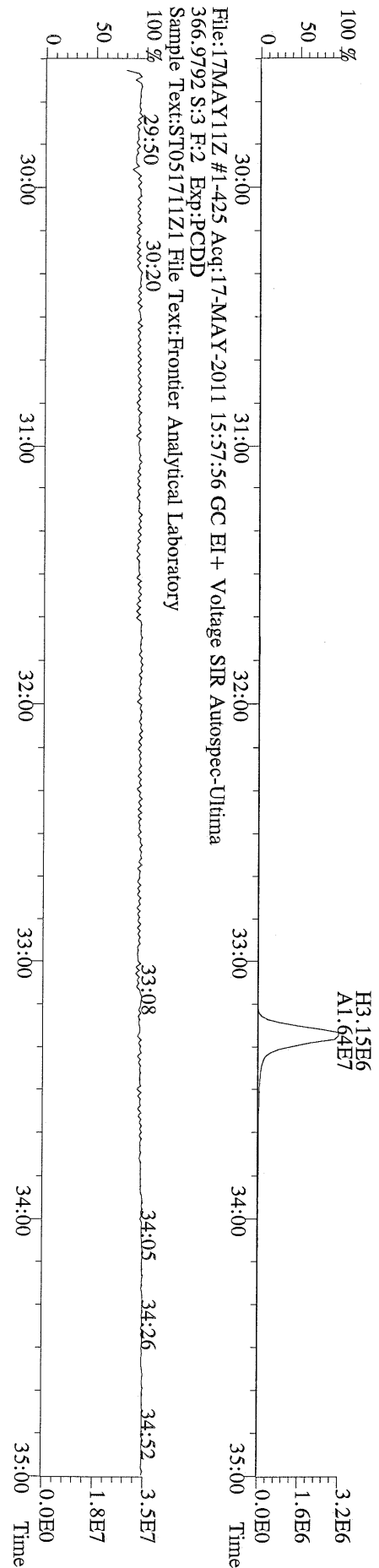
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357.8517 S.3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



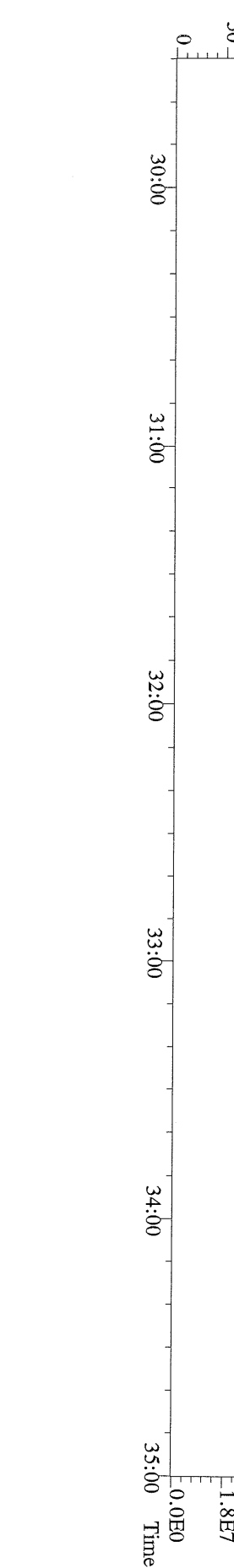
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367.8949 S.3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



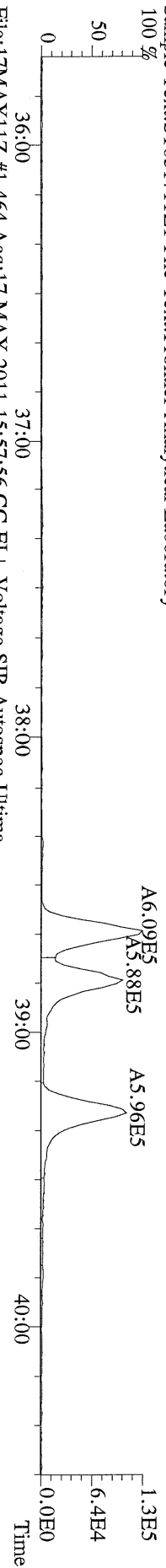
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369.8919 S.3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



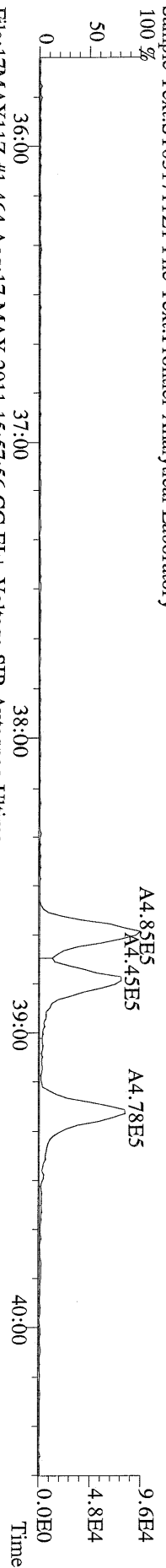
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366.9792 S.3 F:2 Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



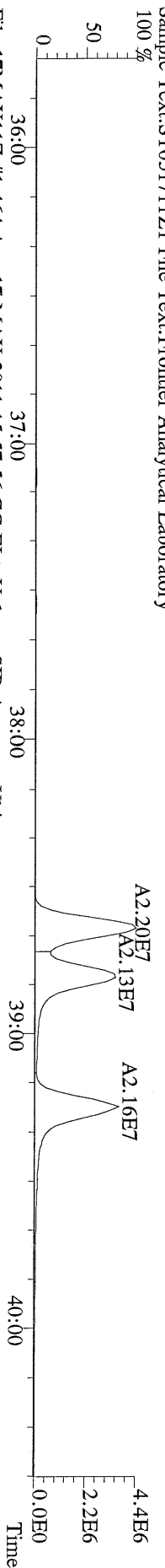
File:17MAY11Z #1-464 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



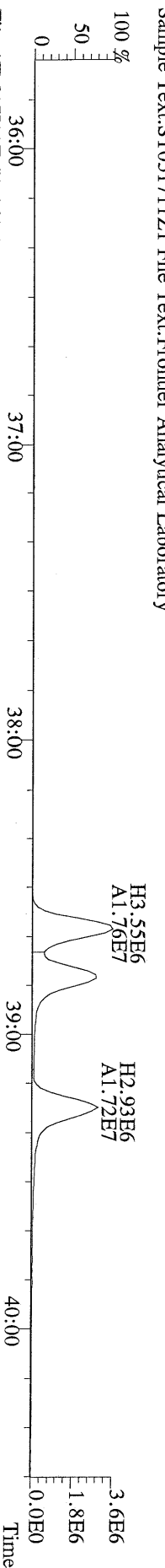
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391.8127 S:3 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



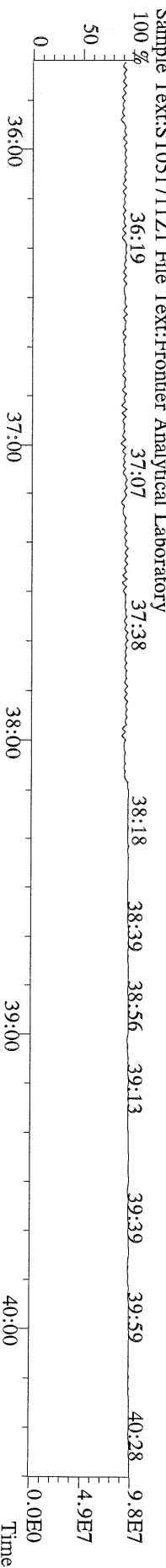
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401.8559 S:3 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



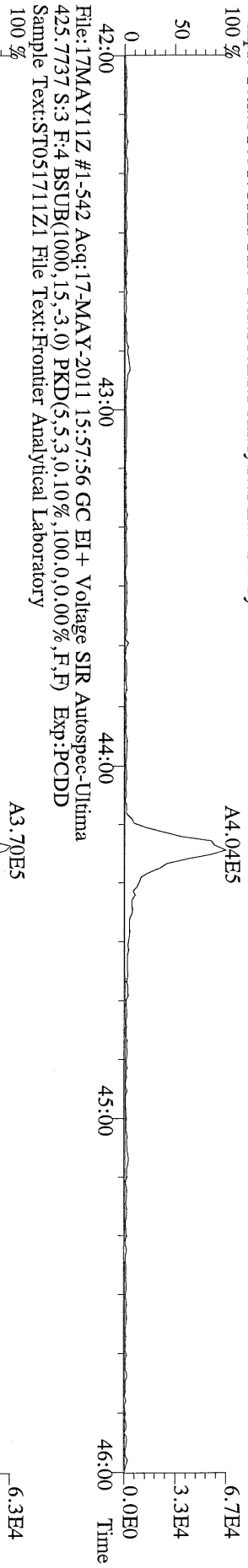
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403.8530 S:3 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



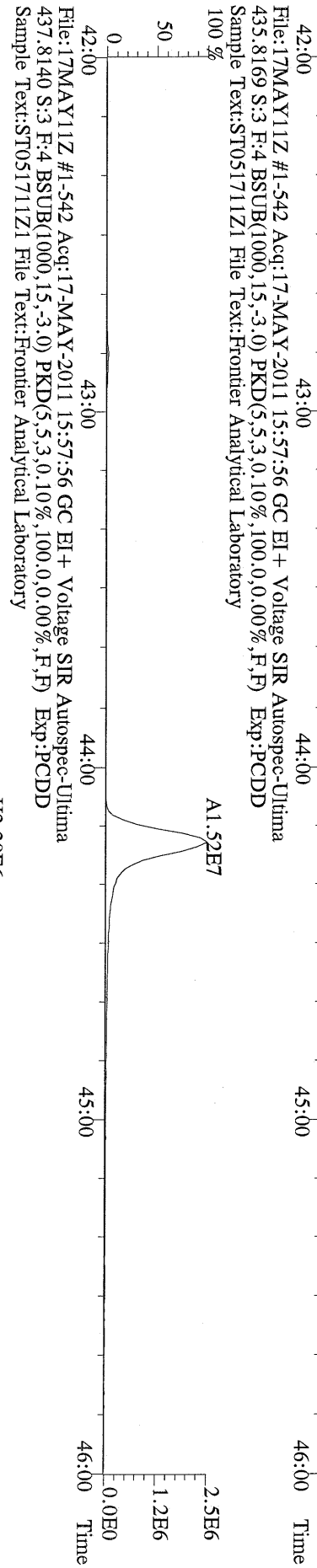
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380.9760 S:3 F:3 Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



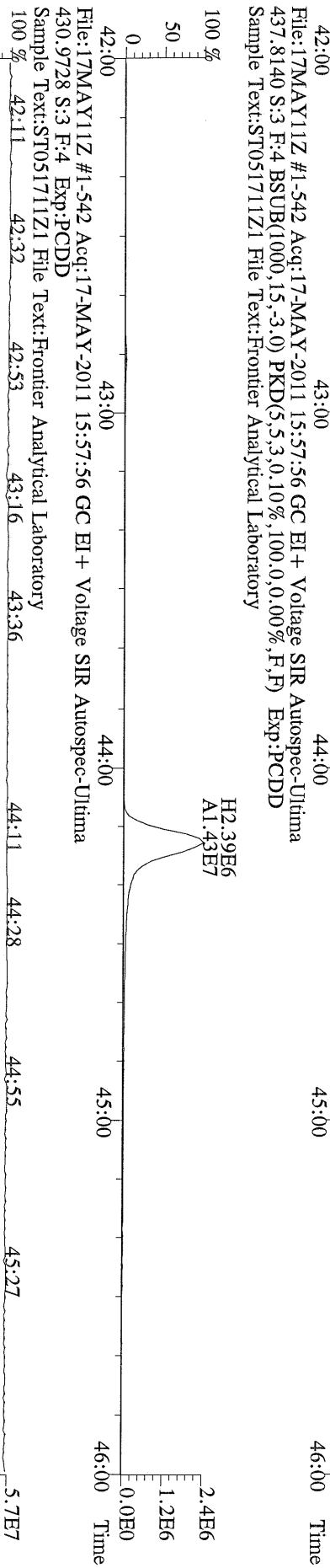
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423.7767 S:3 F:4 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



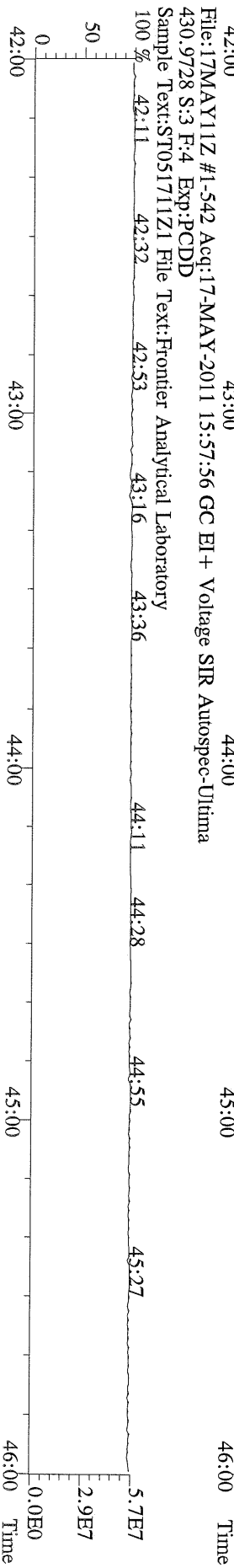
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425.7737 S:3 F:4 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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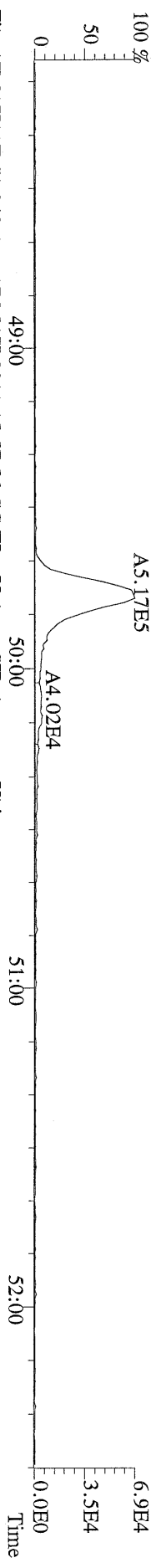
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437.8140 S:3 F:4 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



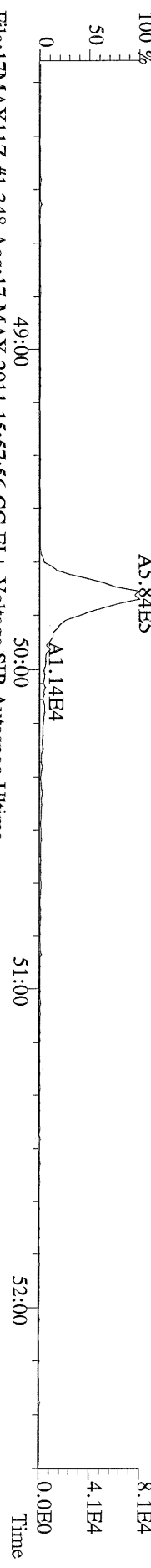
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430.9728 S:3 F:4 Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



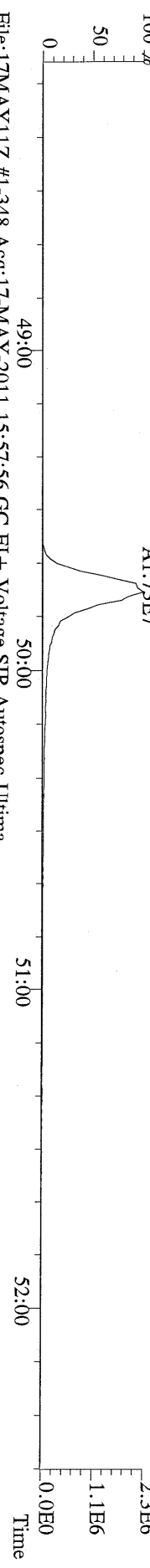
File:17MAY11Z #1-348 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:3 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



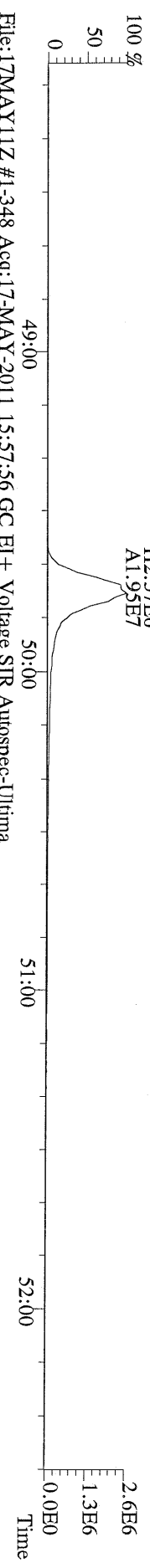
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459.7348 S:3 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



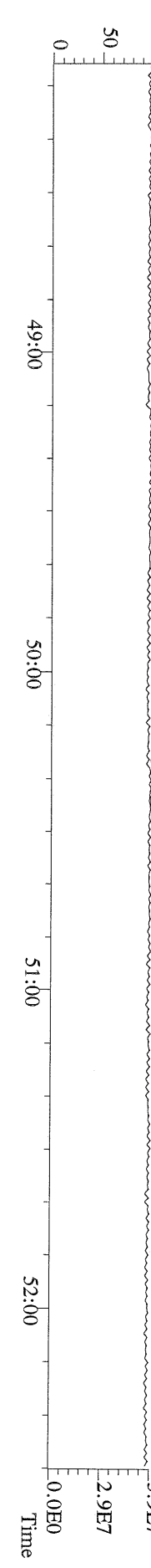
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469.7780 S:3 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



File:17MAY11Z #1-348 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:3 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



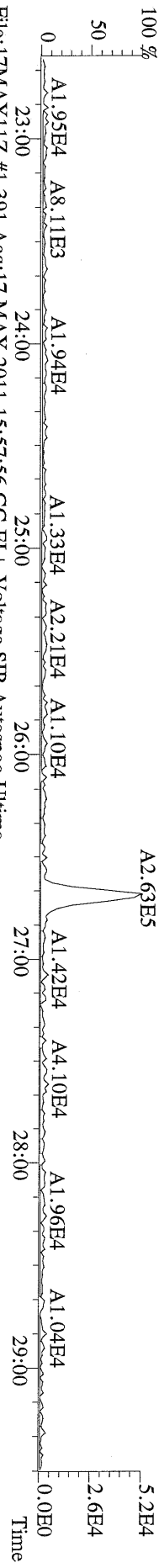
File:17MAY11Z #1-348 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:3 F:5 Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



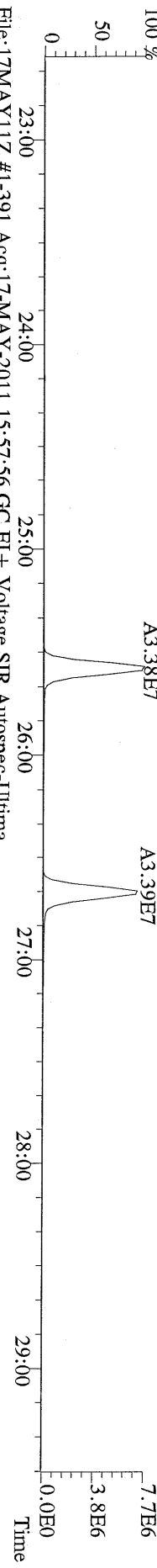
File:17MAY11Z #1-391 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory
 100 %



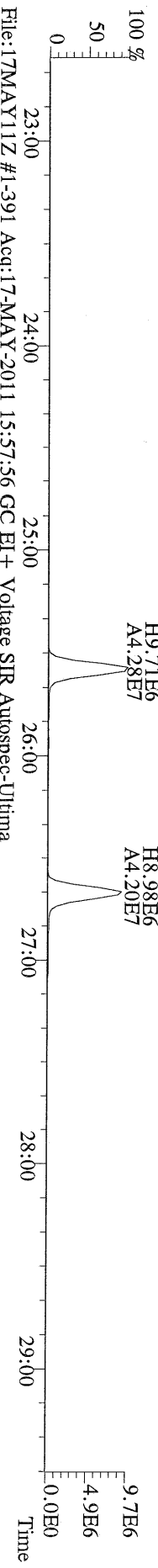
File:17MAY11Z #1-391 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
 305.8987 S:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory
 100 %



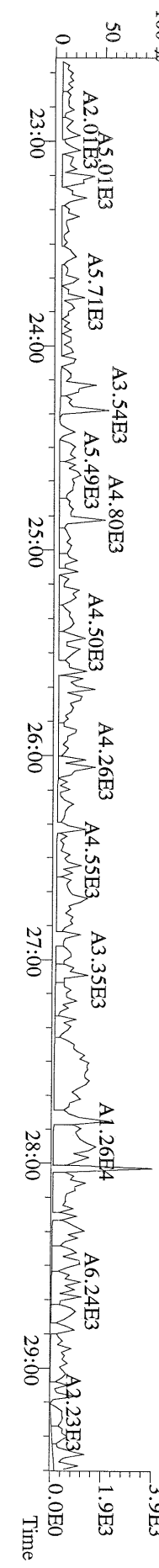
File:17MAY11Z #1-391 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Ultima
 315.9419 S:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory
 100 %



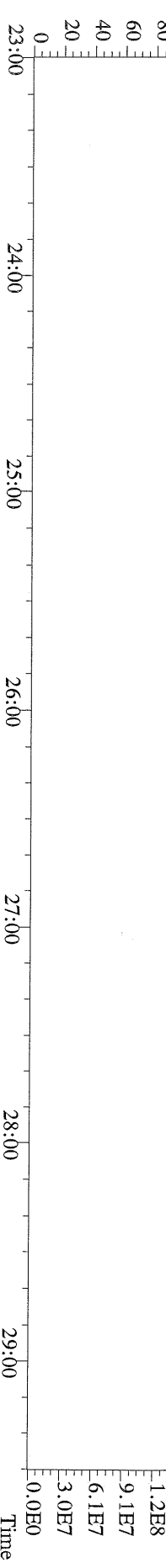
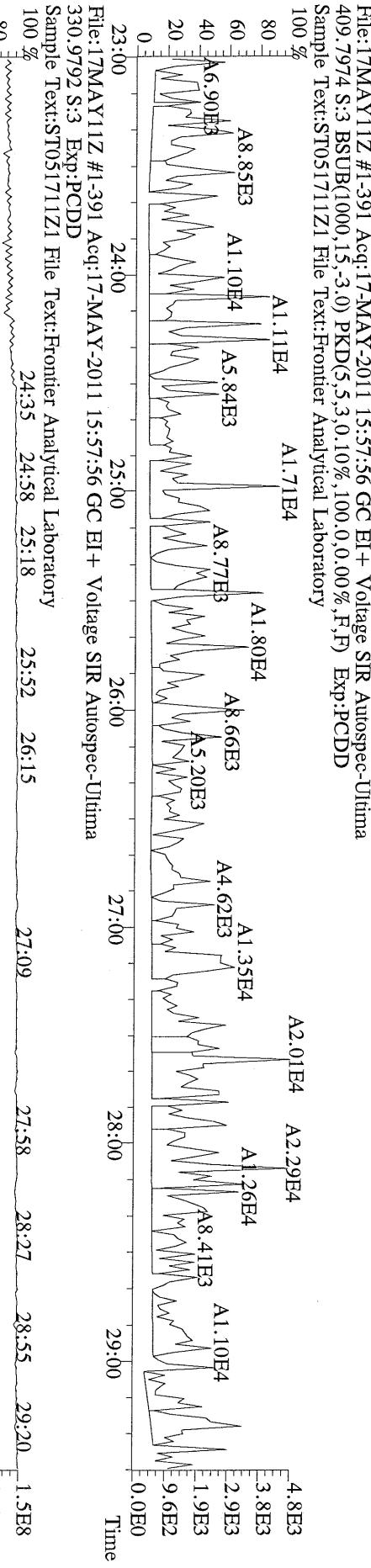
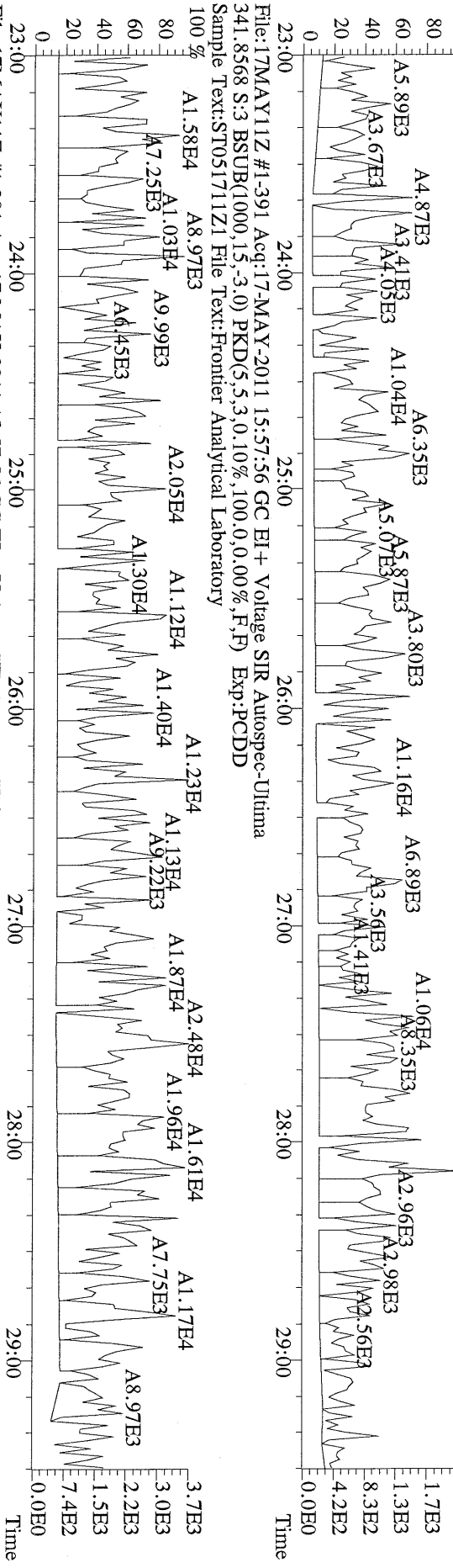
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 317.9389 S:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



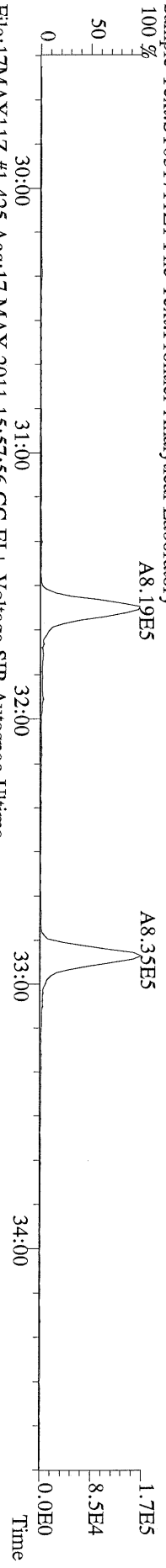
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 375.8364 S:3 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory
 100 %



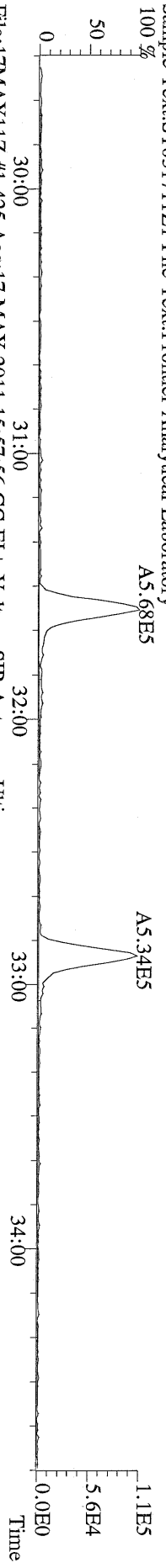
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 339.8597 S.3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



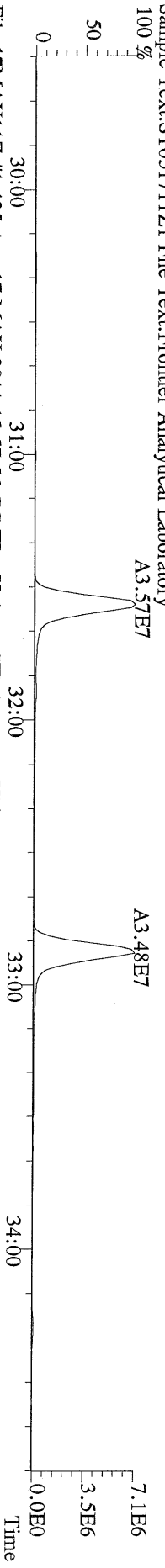
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 339.8597 S:3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



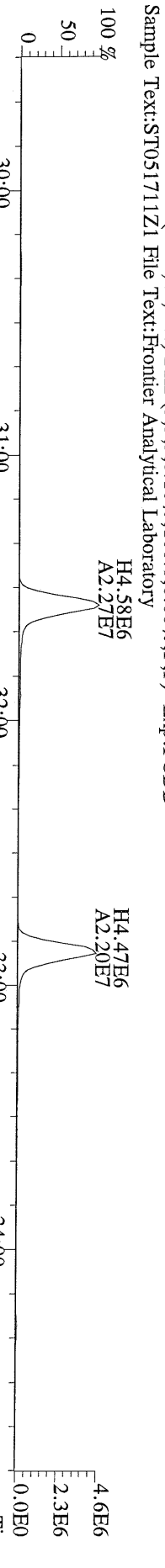
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 341.8568 S:3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



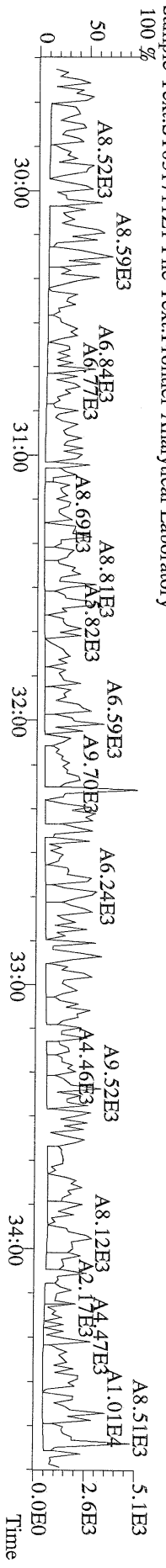
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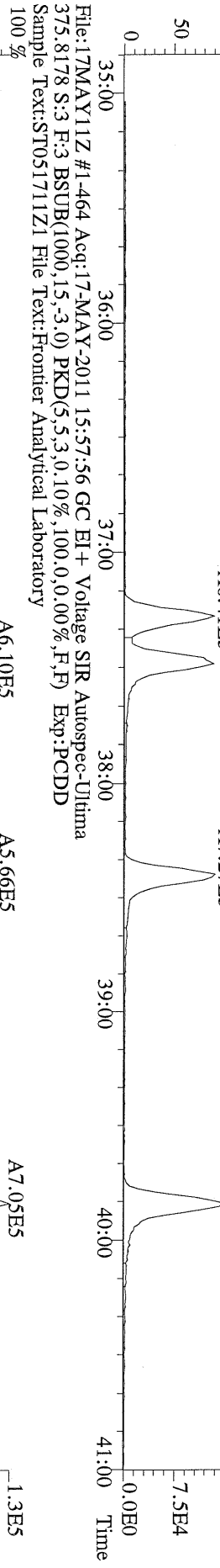
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 353.8970 S:3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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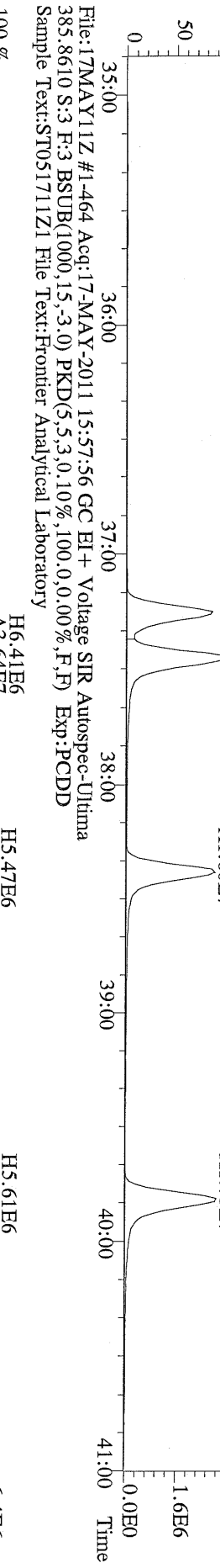
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 409.7974 S:3 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



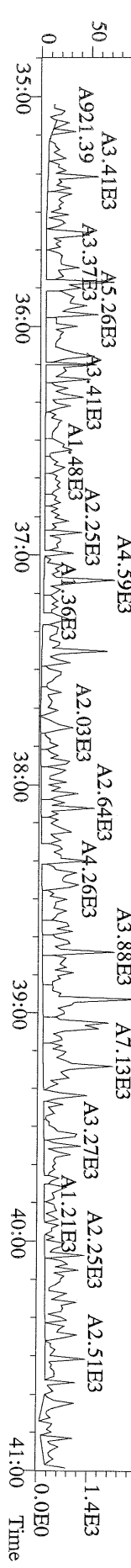
File:17MAY11Z #1-464 Acq:17-MAY-2011 15:57:56 GC EI+ Voltage SIR Autospec-Utima
 373.8207 S:3 F:3 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



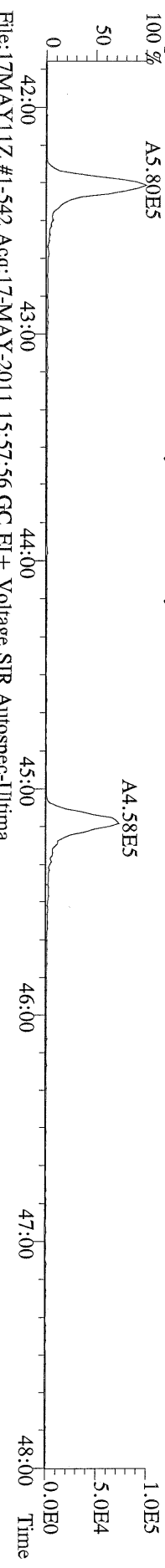
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 383.8639 S:3 F:3 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



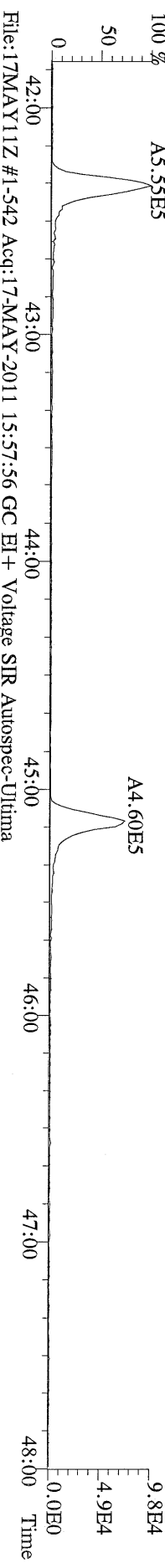
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 445.7555 S:3 F:3 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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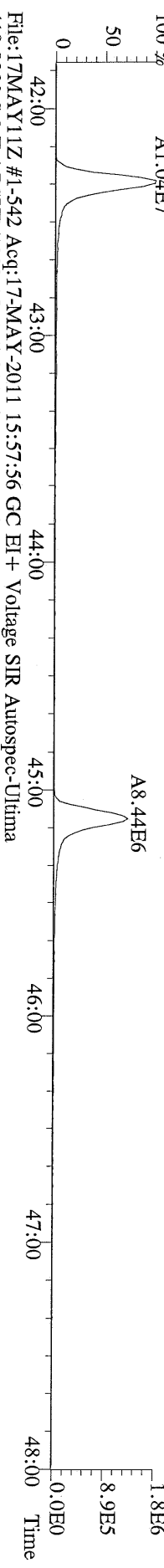
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407.7818 S:3 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



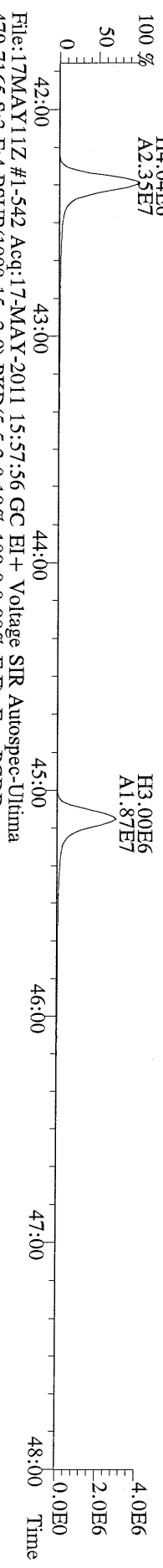
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409.7788 S:3 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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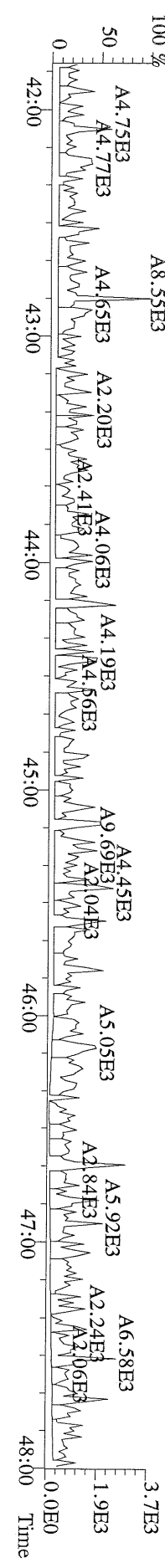
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417.8253 S:3 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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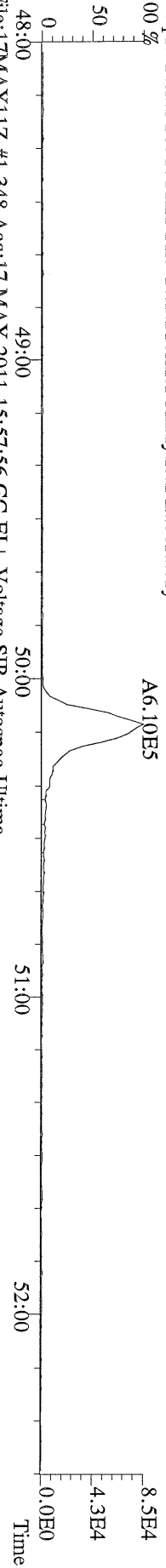
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419.8220 S:3 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



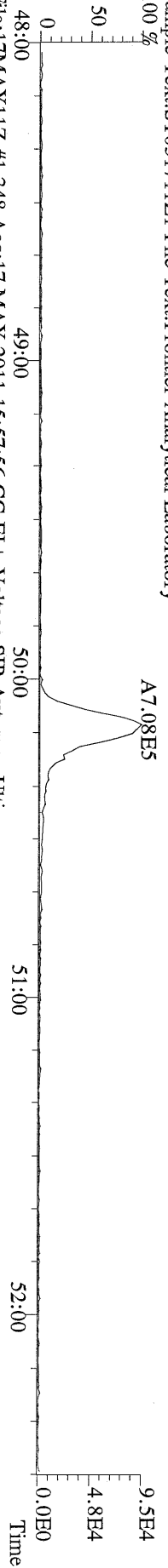
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479.7165 S:3 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



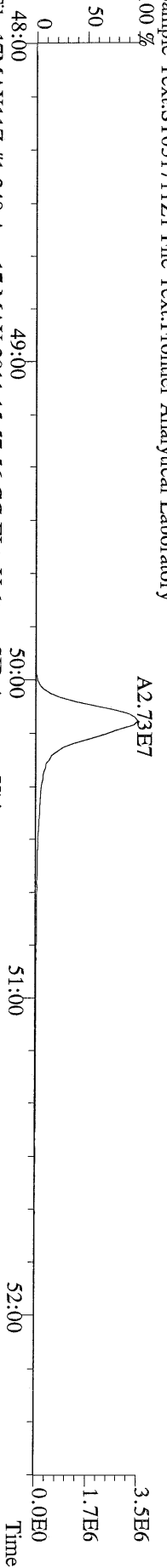
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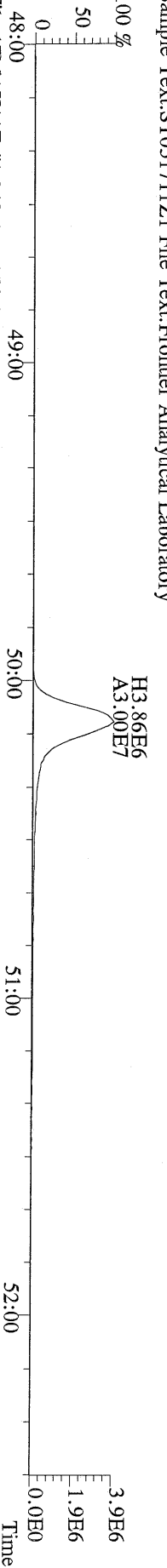
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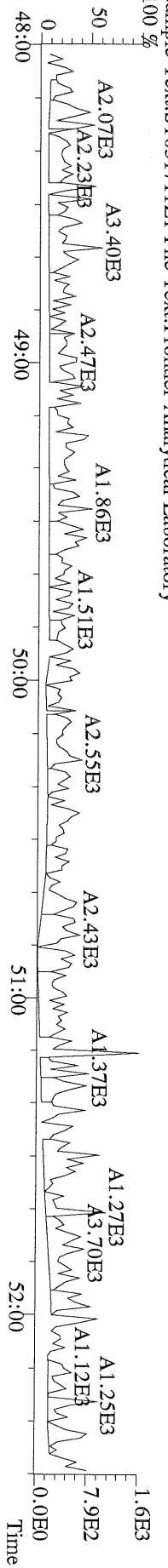
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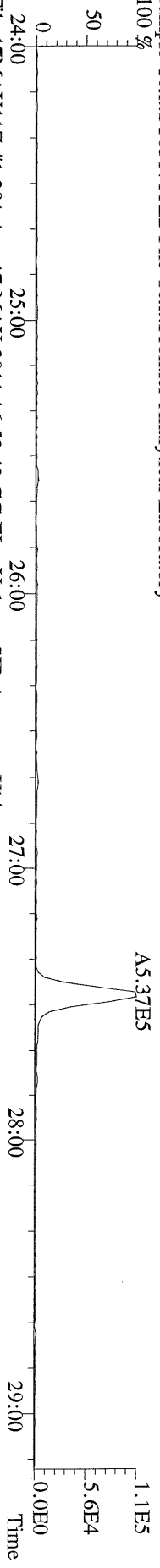
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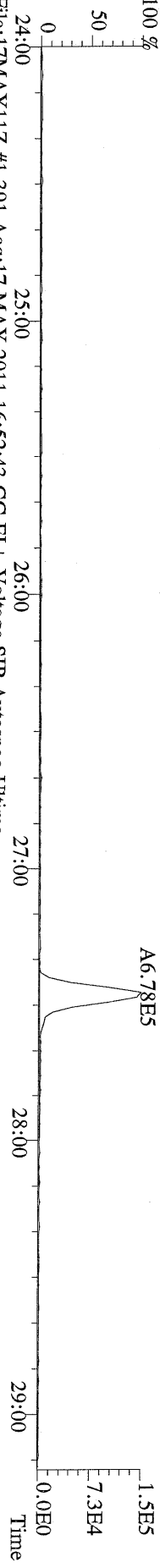
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Sample Text:ST051711Z1 File Text:Frontier Analytical Laboratory



File:17MAY11Z #1-391 Acq:17-MAY-2011 16:52:43 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:4 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



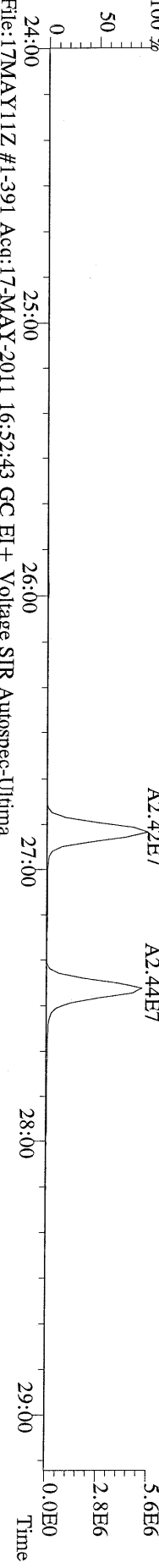
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



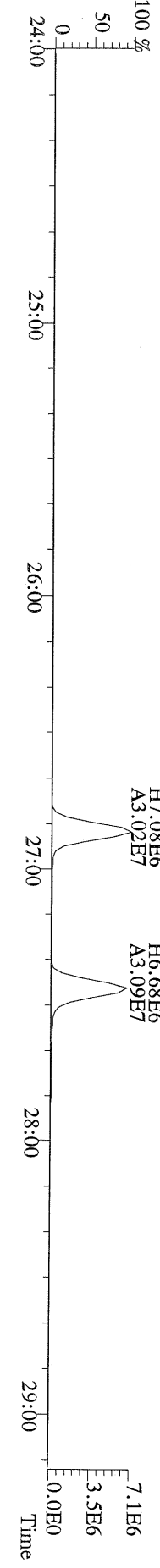
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



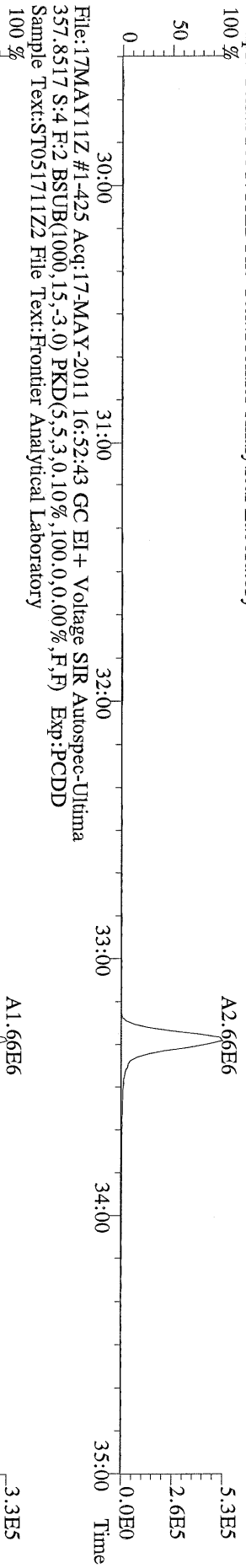
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



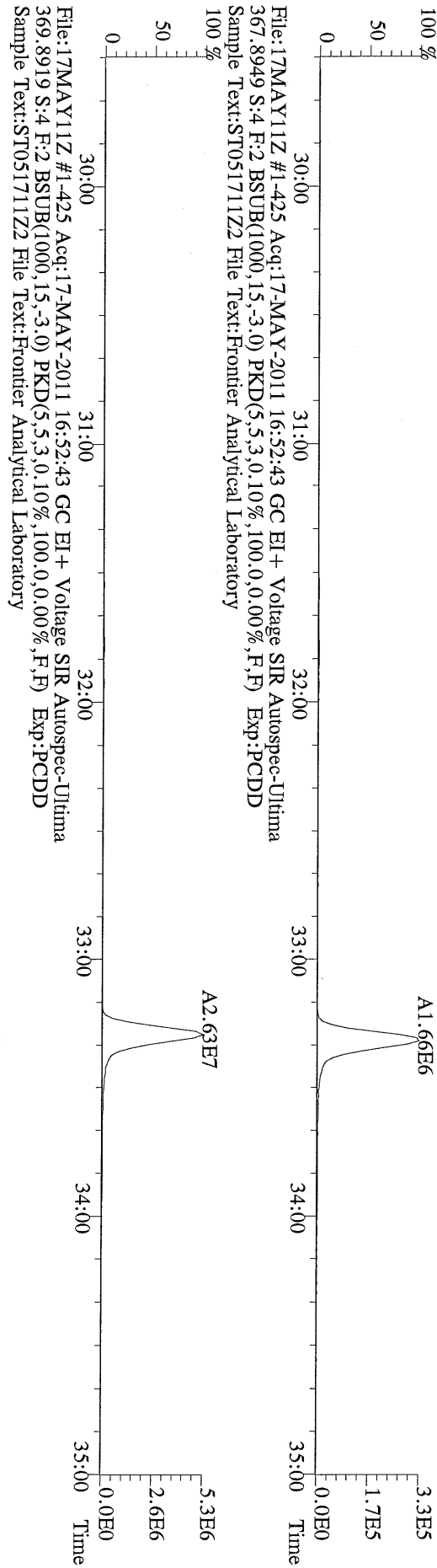
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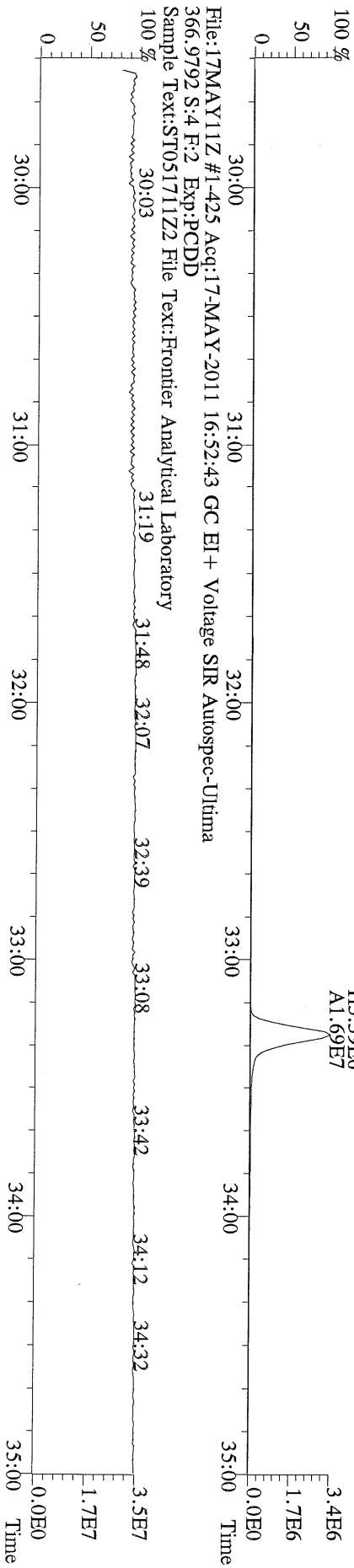
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355.8546 S:4 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



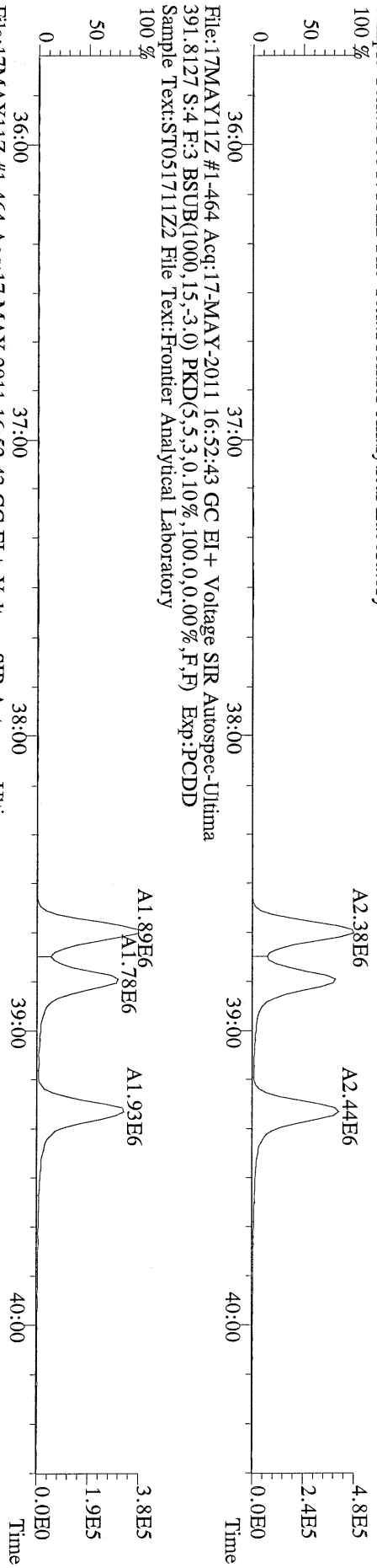
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357.8517 S:4 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



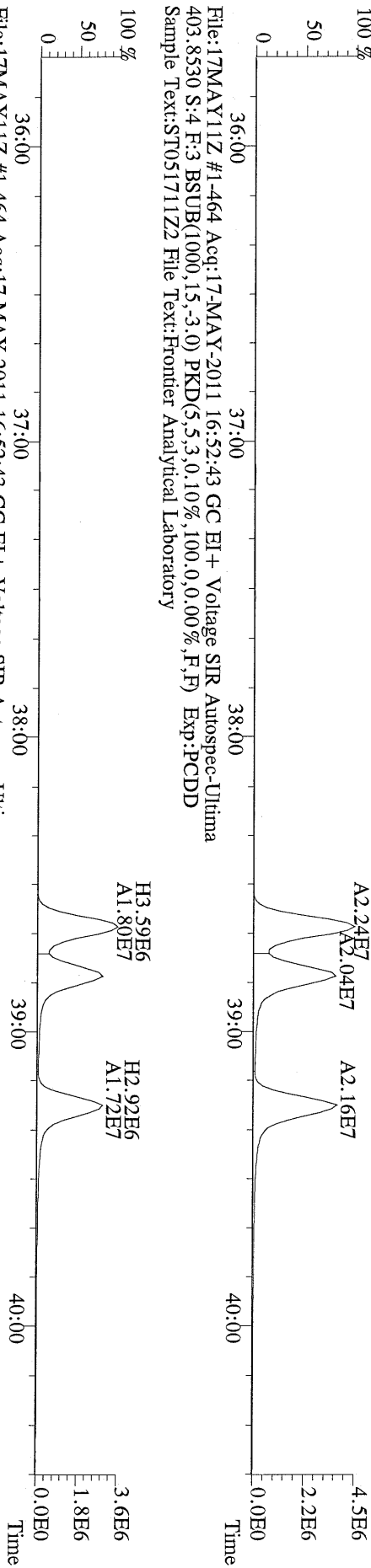
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367.8949 S:4 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



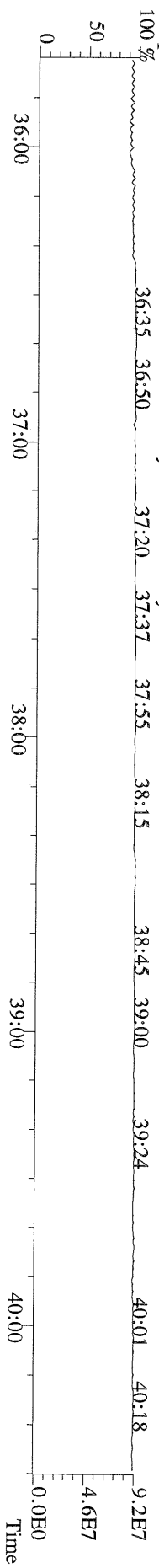
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Sample Text: ST051711Z2 File Text: Frontier Analytical Laboratory



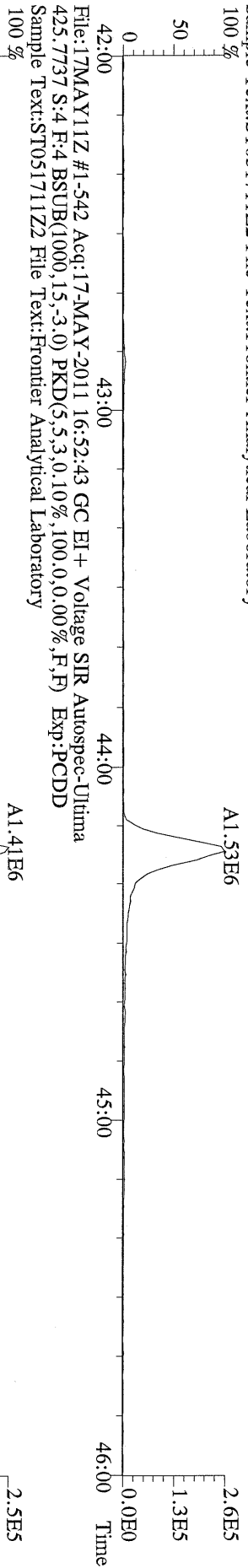
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Sample Text: ST051711Z2 File Text: Frontier Analytical Laboratory



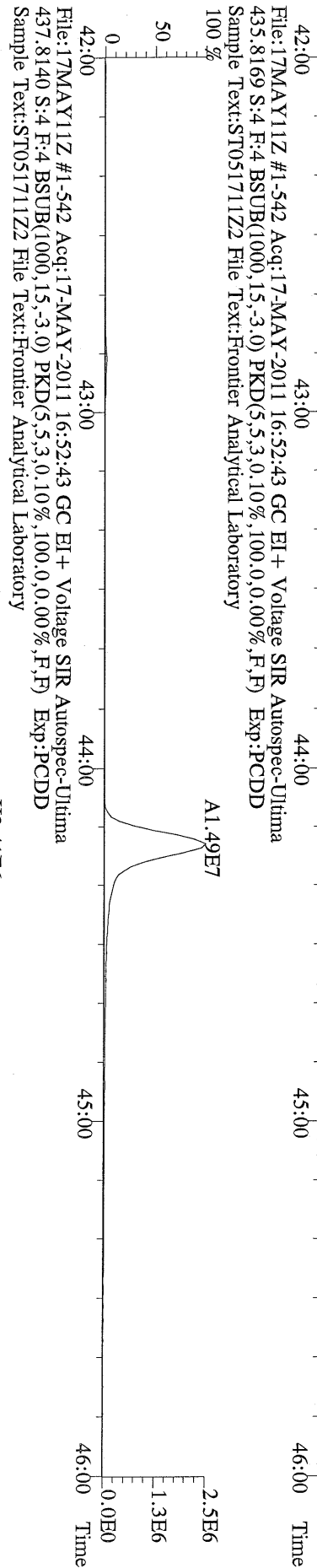
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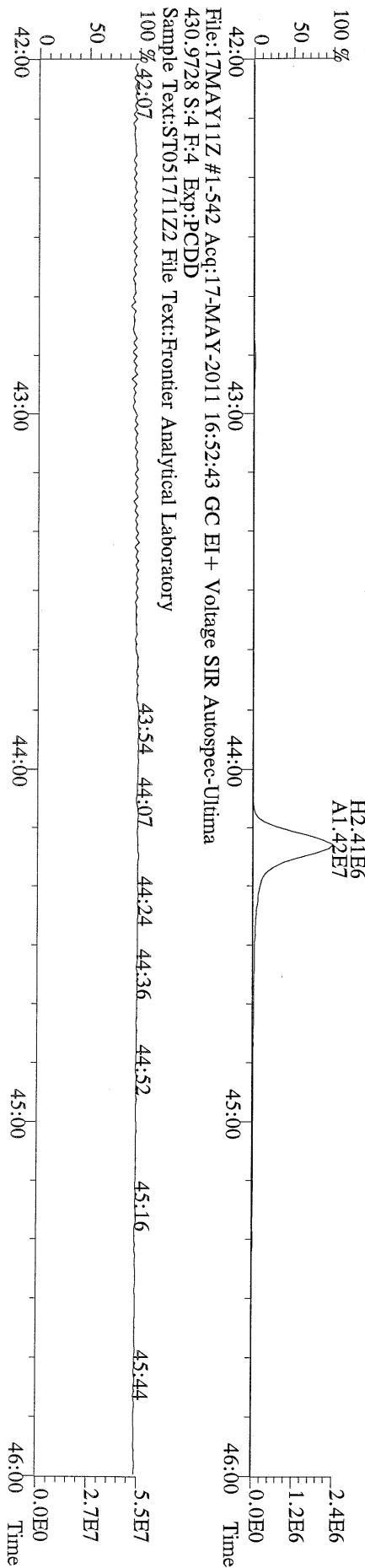
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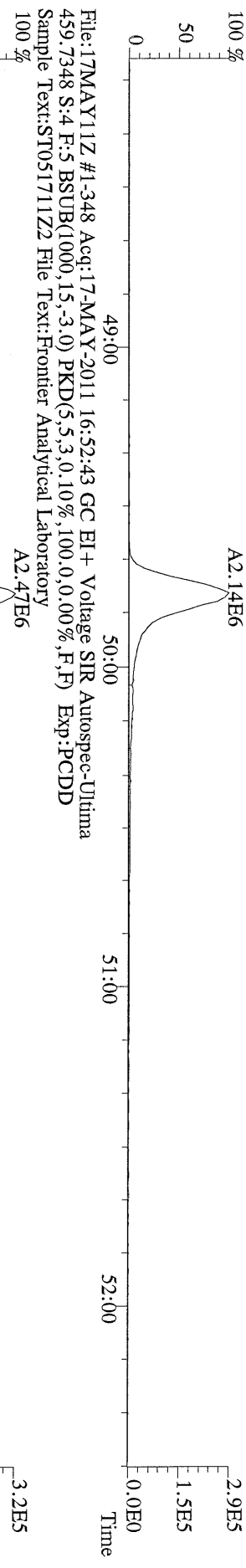
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



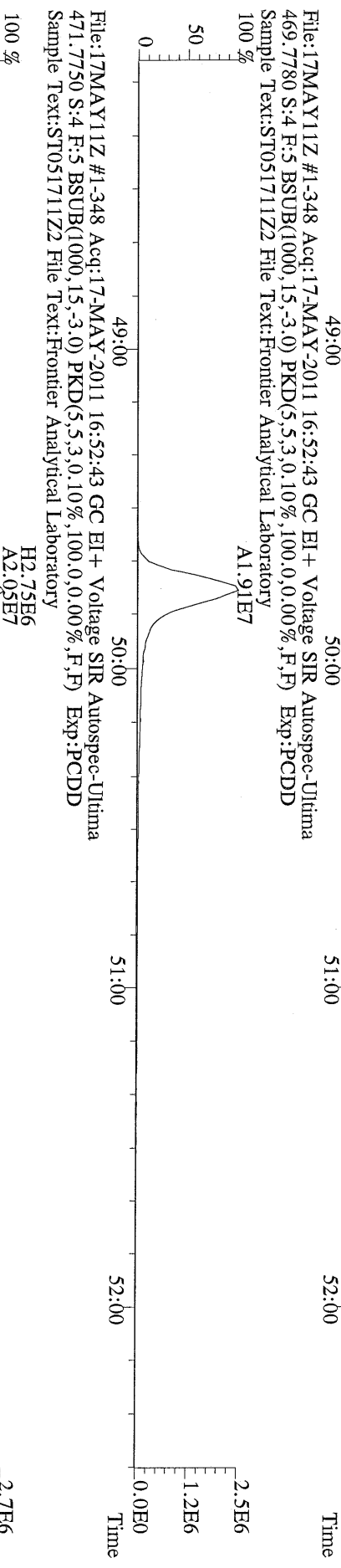
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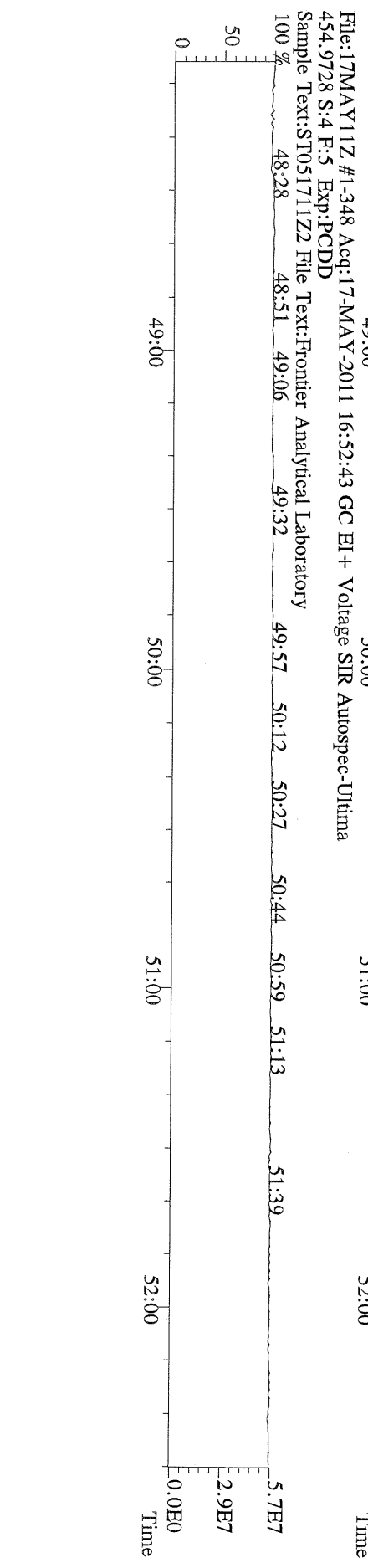
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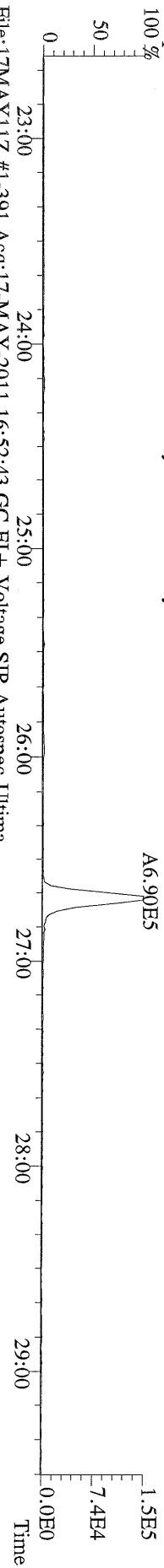
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469.7780 S:4 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



File: 17MAY11Z #1-348 Acq: 17-MAY-2011 16:52:43 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:4 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory
100 %



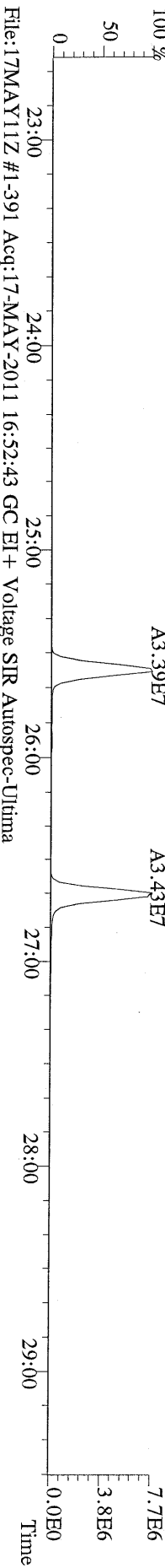
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



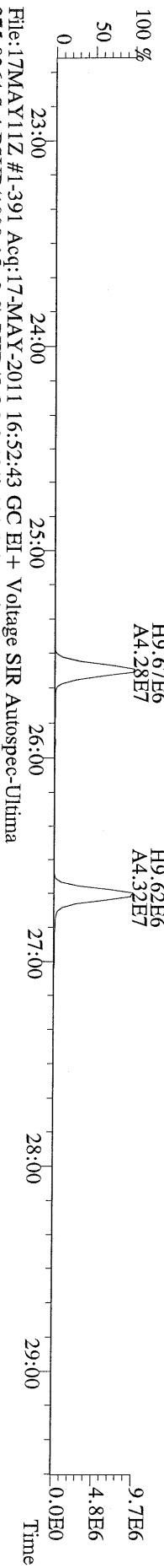
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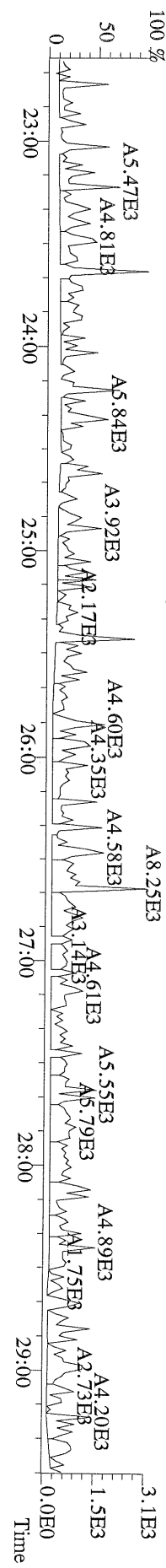
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



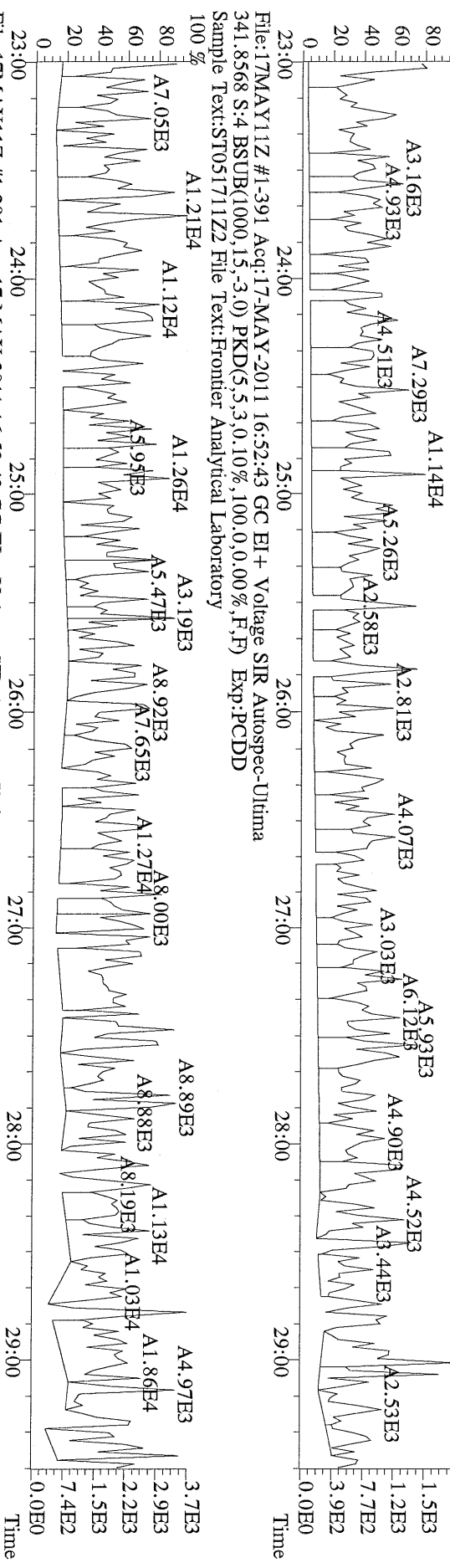
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



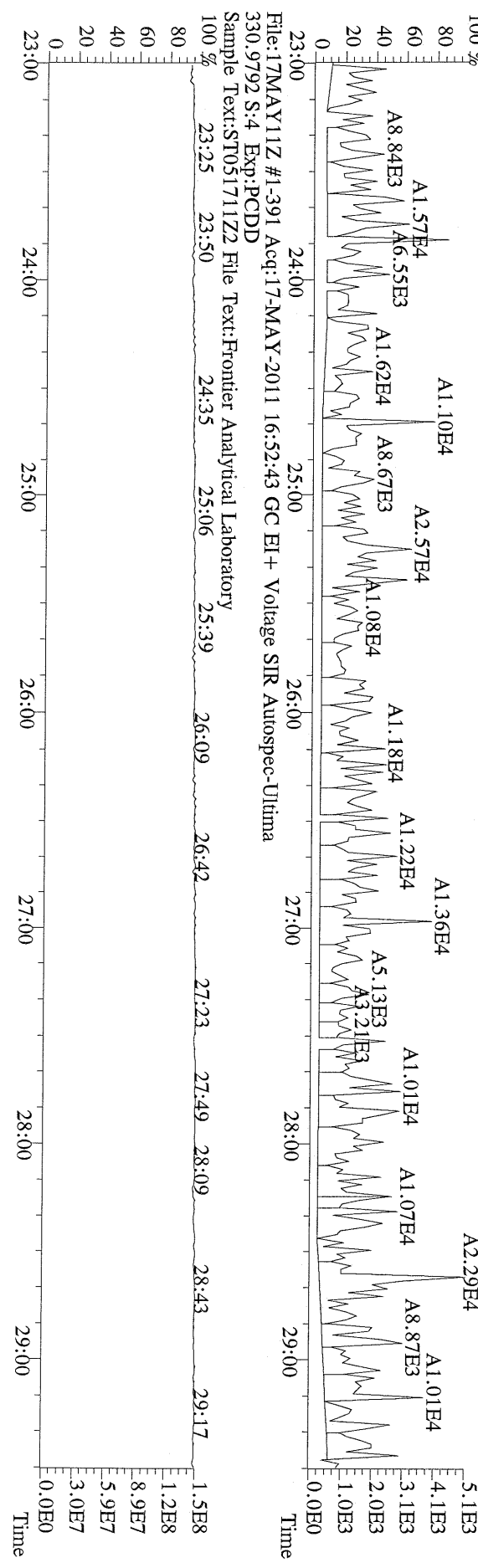
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Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



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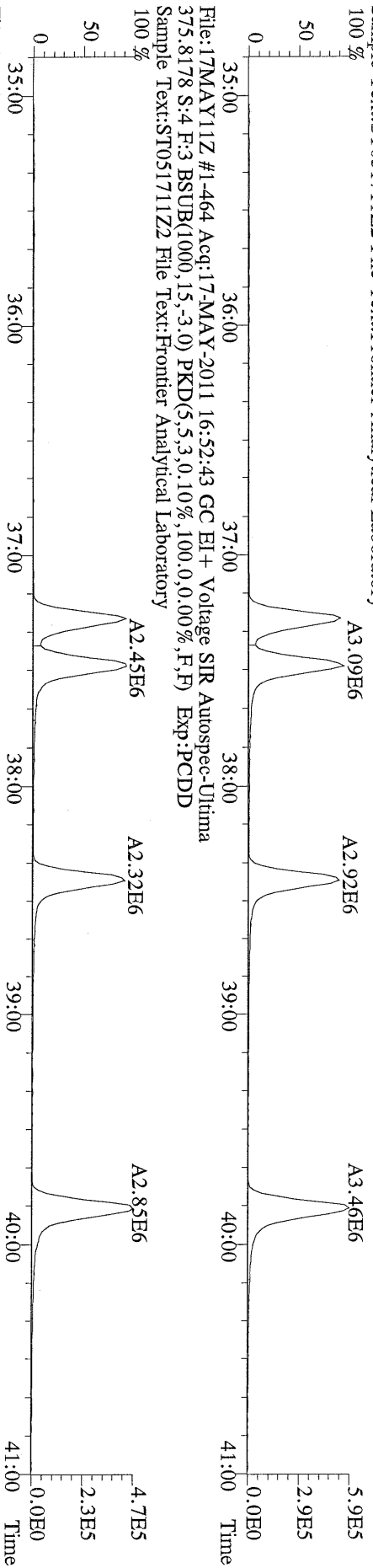


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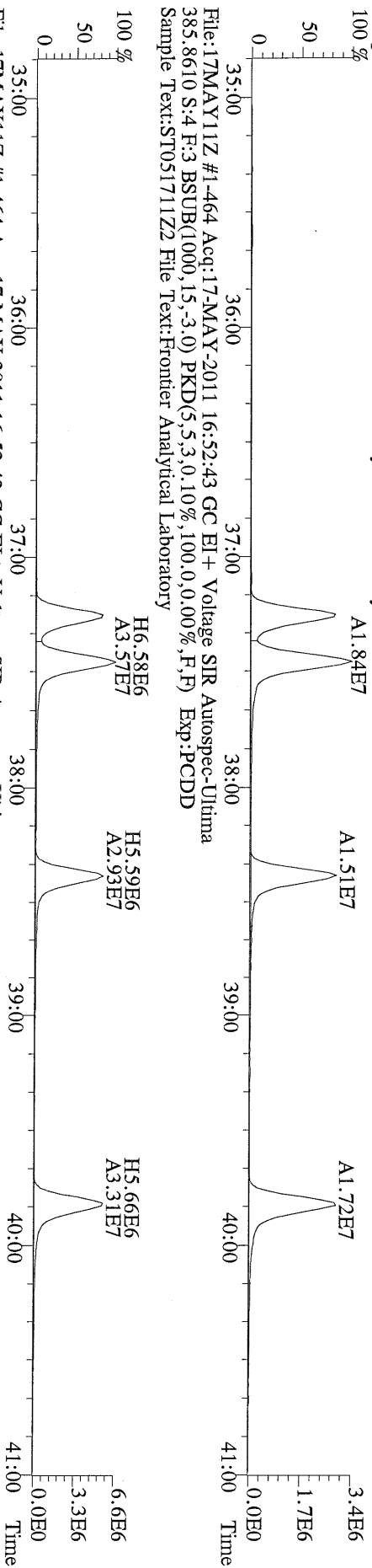


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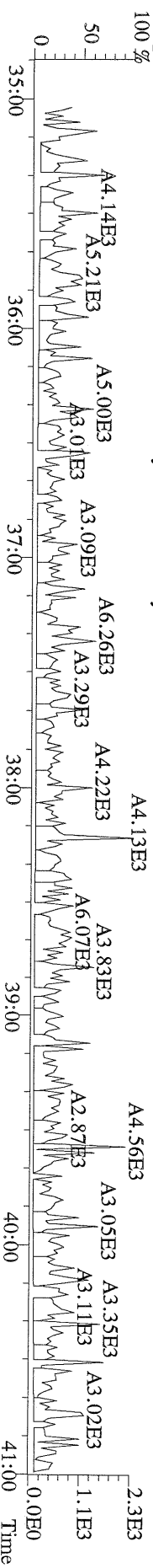
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373.8207 S:4 F:3 BSUB(1000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
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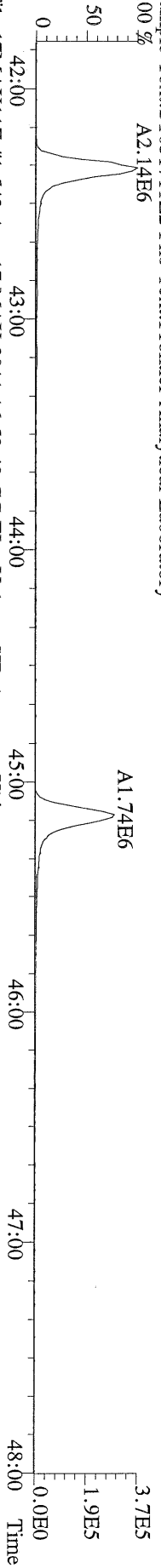
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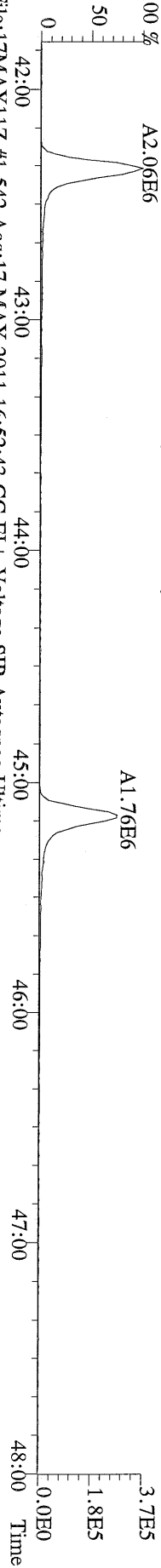
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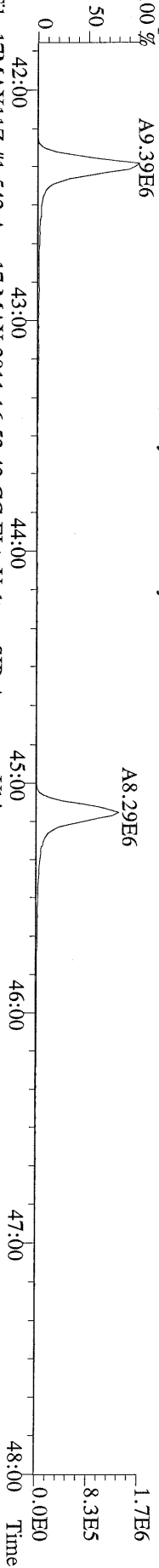
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407.7818 S:4 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



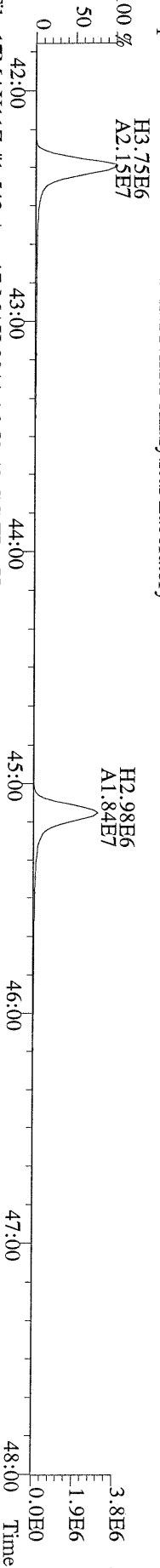
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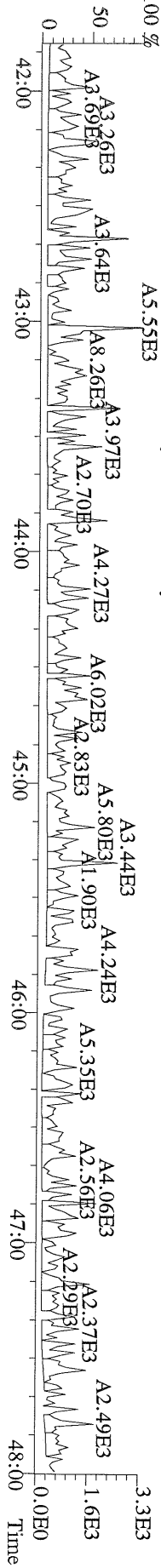
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417.8253 S:4 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
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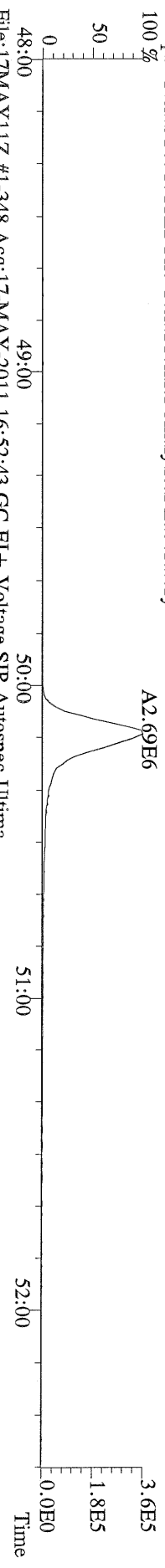
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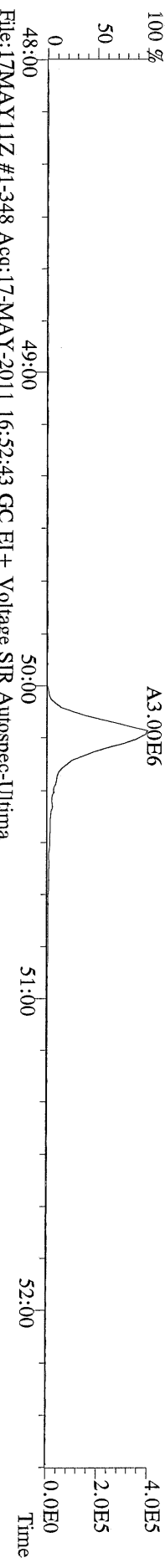
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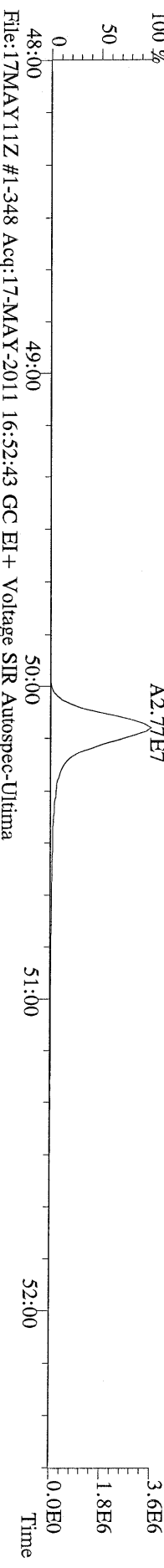
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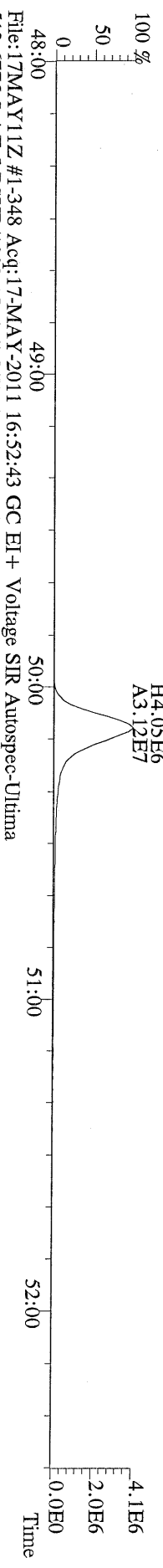
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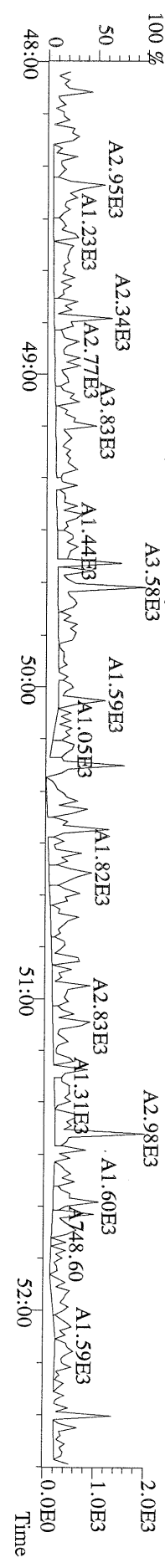
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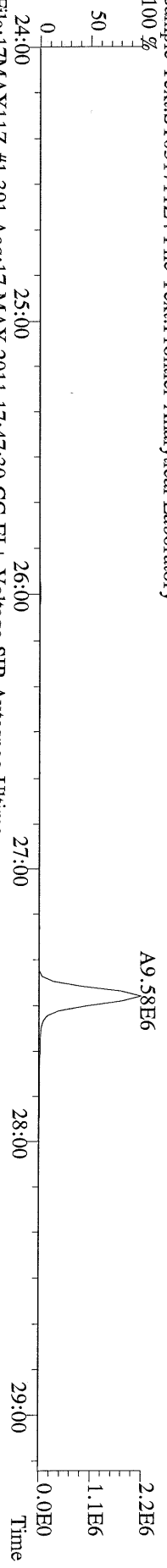
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455.7801 S:4 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



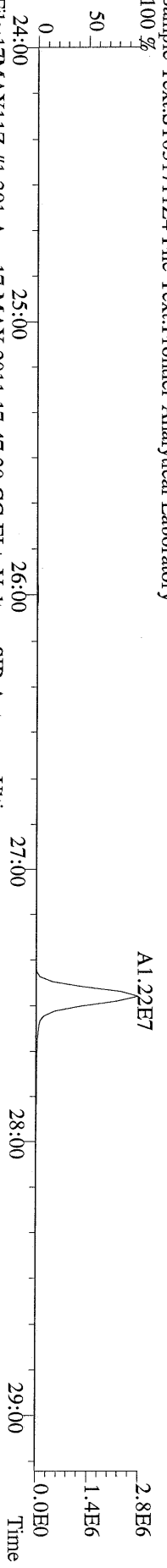
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513.6775 S:4 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z2 File Text:Frontier Analytical Laboratory



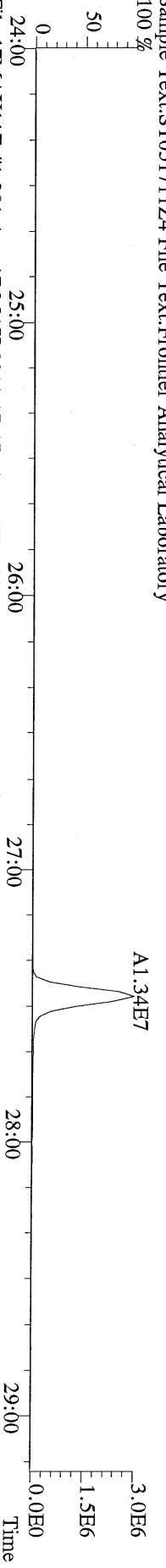
File:17MAY11Z #1-391 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



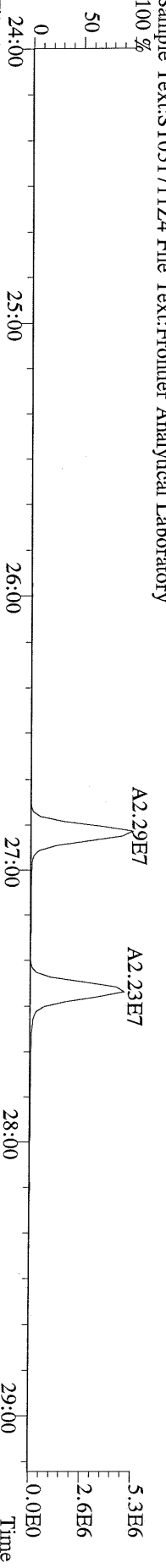
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321.8936 S:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



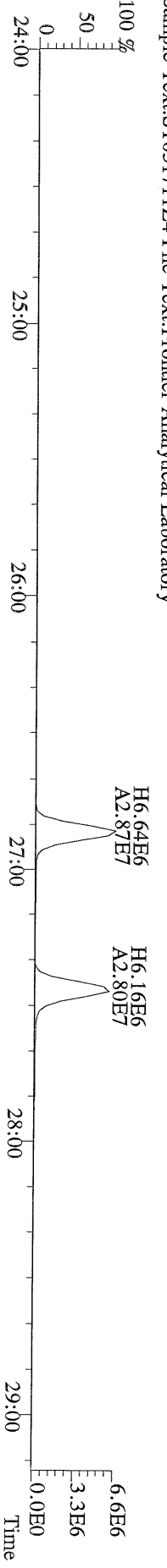
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327.8847 S:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



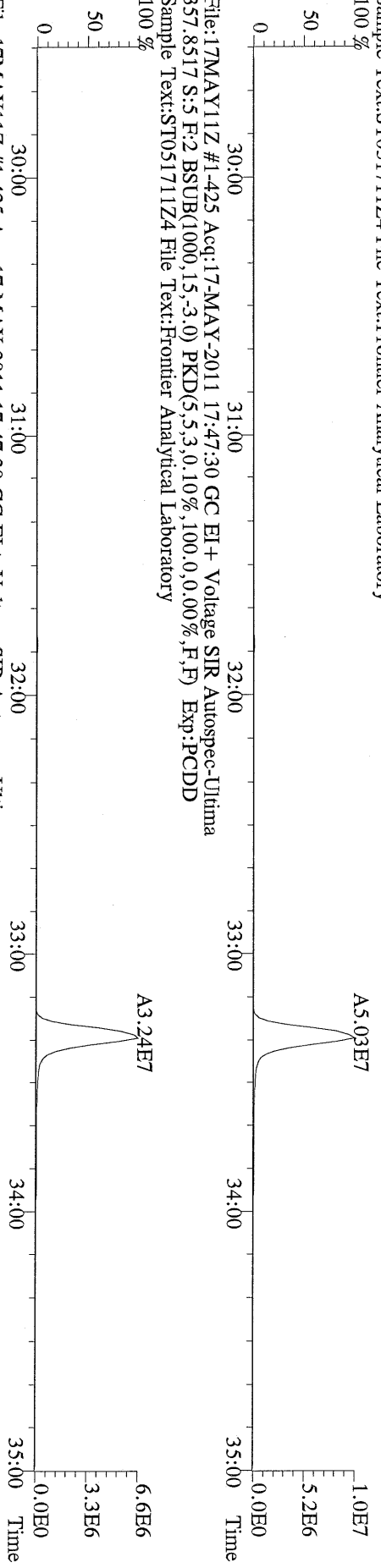
File:17MAY11Z #1-391 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



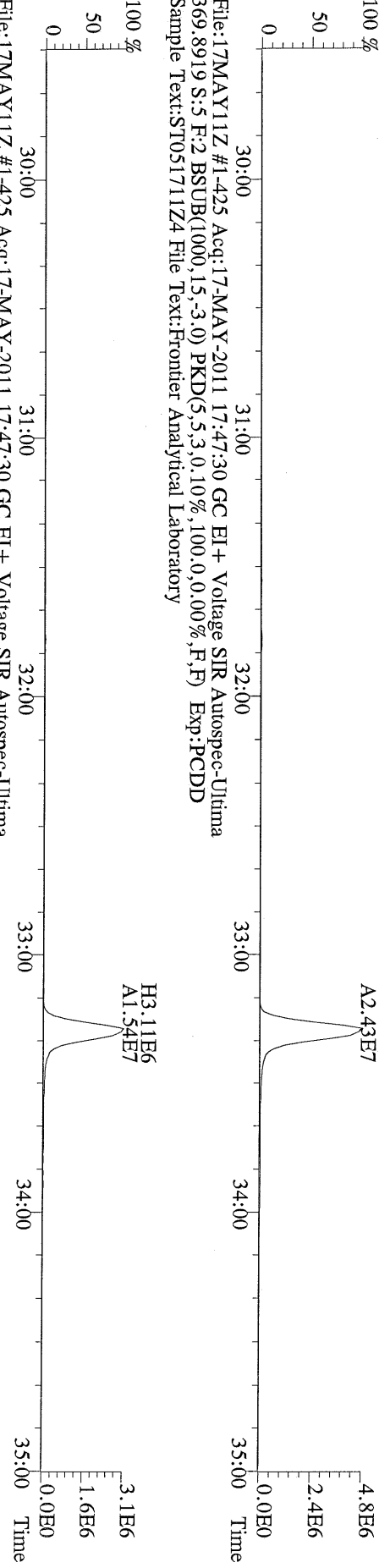
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333.9339 S:5 BSUB(1000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



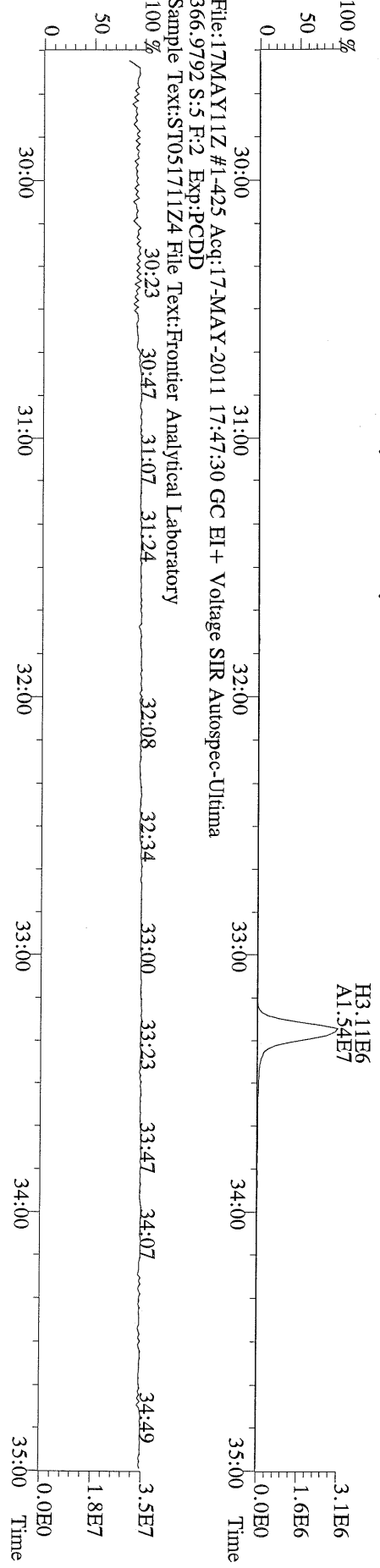
File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %

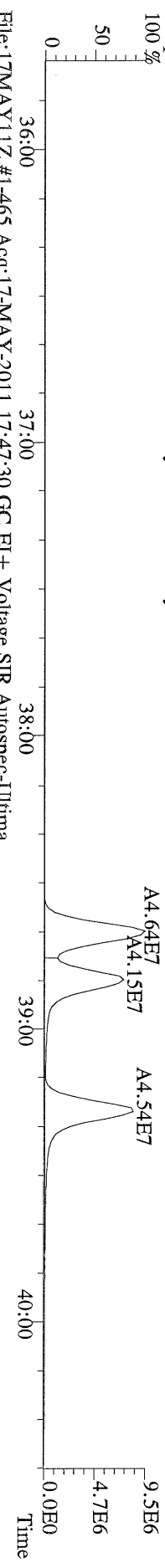


File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %

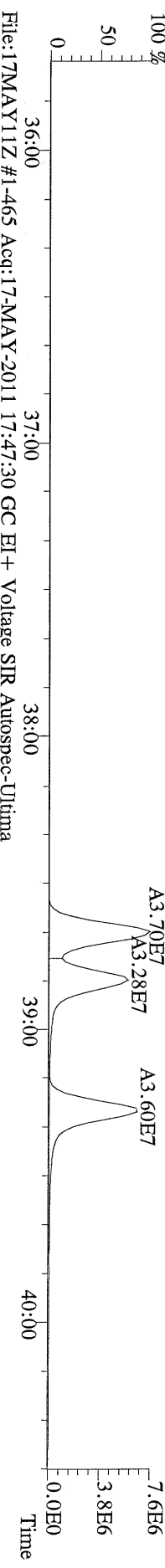


File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %

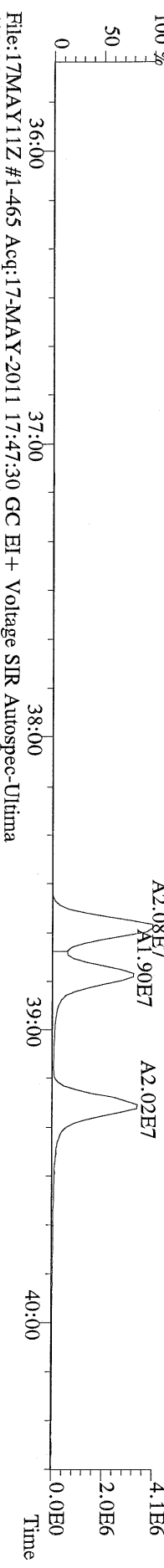
File:17MAY11Z #1-465 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



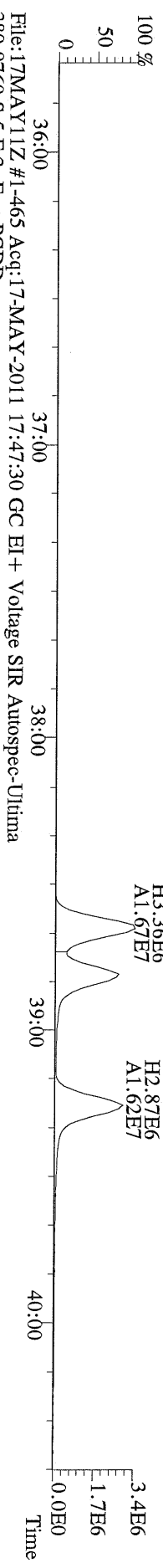
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 391.8127 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



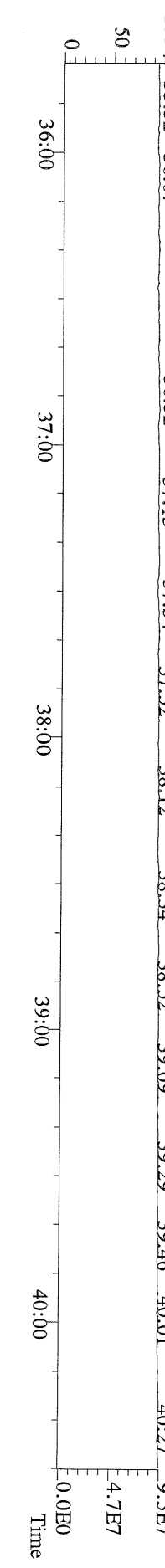
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 401.8559 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



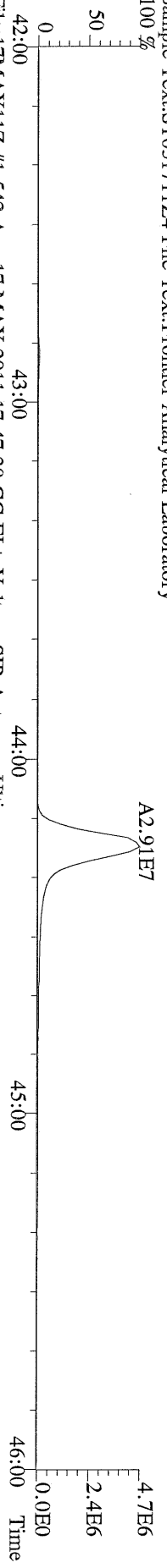
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 403.8530 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



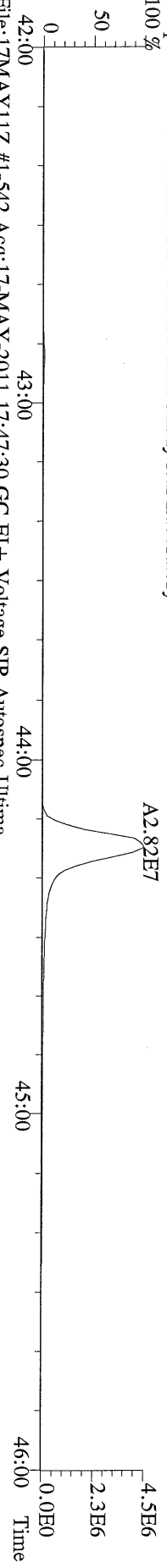
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 380.9760 S:5 F:3 Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



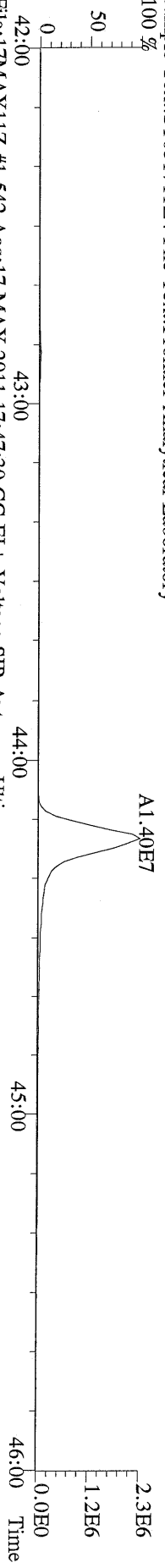
File:17MAY11Z #1-542 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



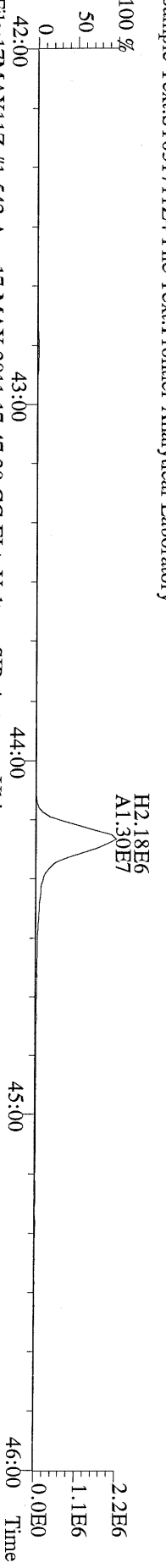
File:17MAY11Z #1-542 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:5 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



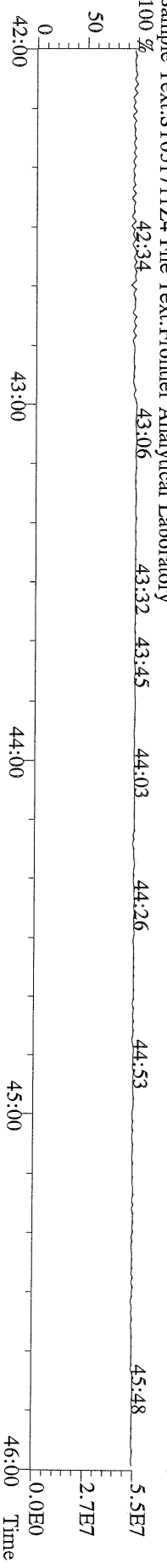
File:17MAY11Z #1-542 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



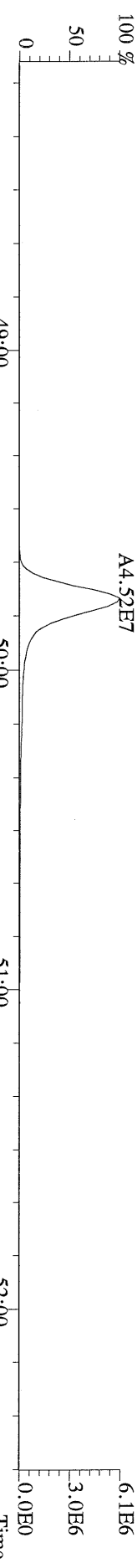
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437.8140 S:5 F:4 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



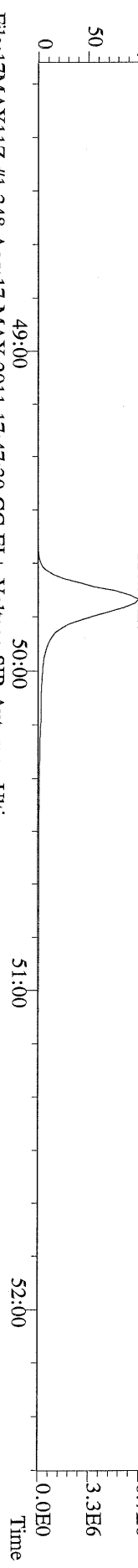
File:17MAY11Z #1-542 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



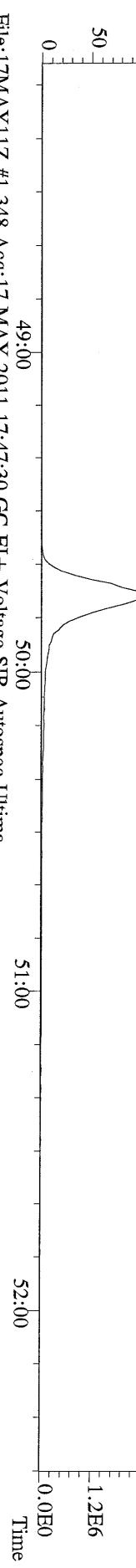
File:17MAY11Z #1-348 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



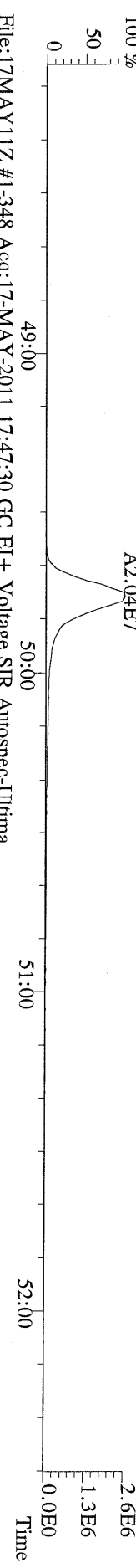
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459.7348 S:5 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



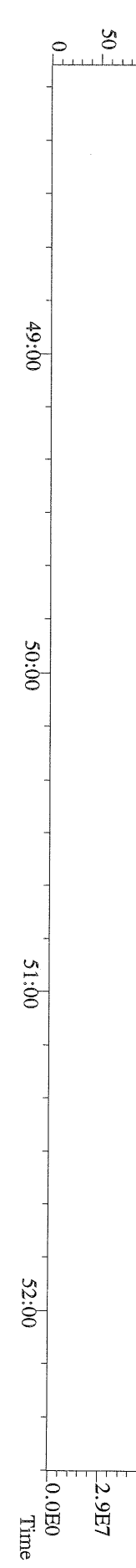
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469.7780 S:5 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



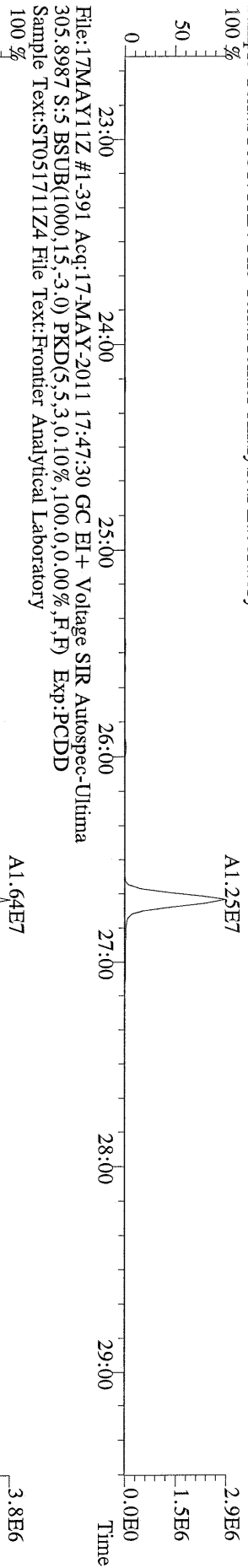
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471.7750 S:5 F:5 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



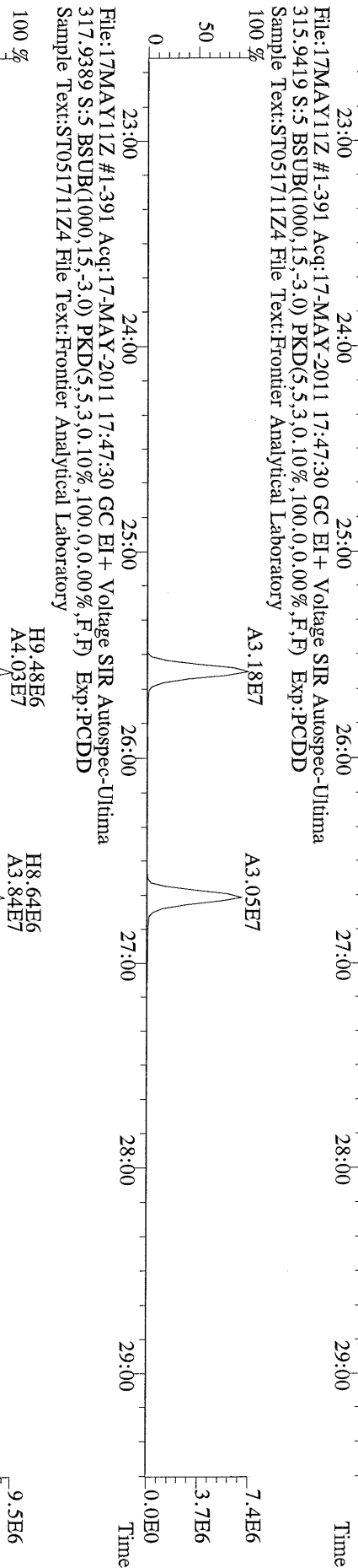
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454.9728 S:5 F:5 Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



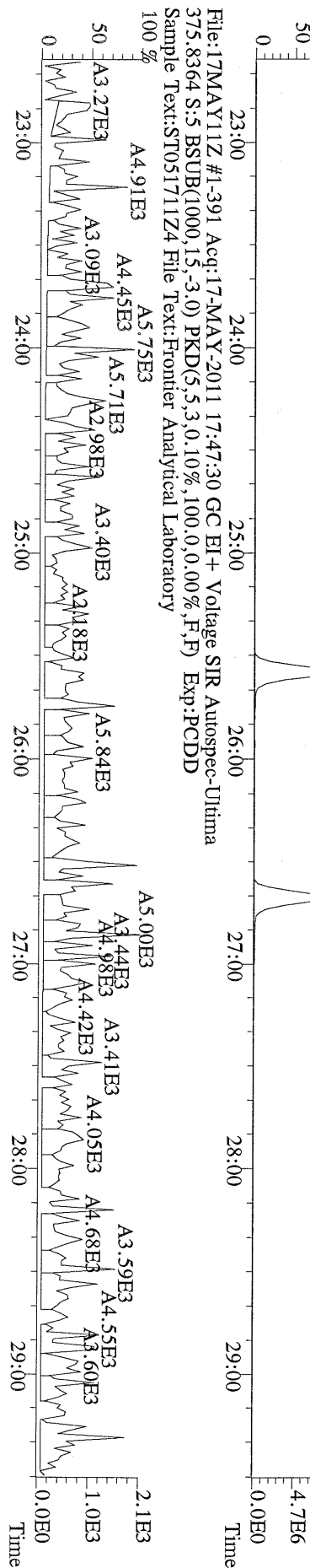
File:17MAY11Z #1-391 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



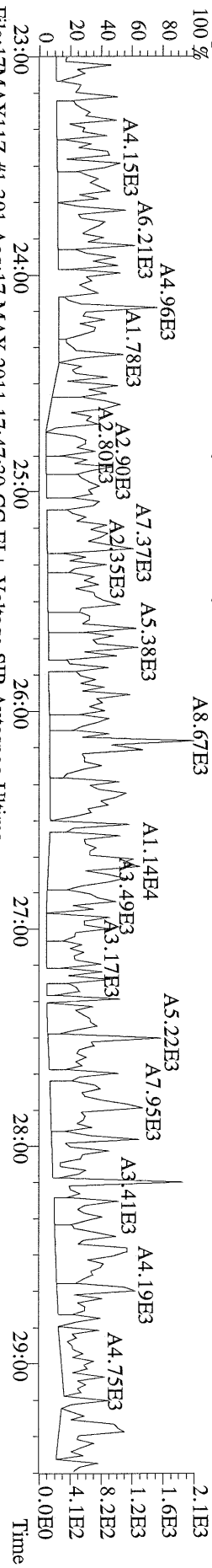
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315.9419 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



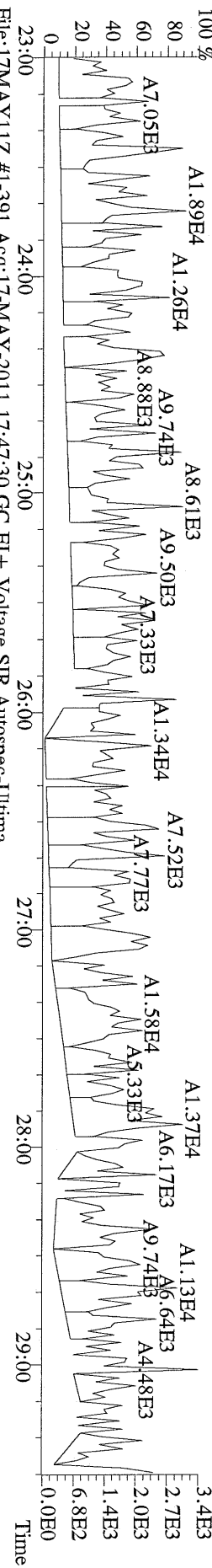
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317.9389 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



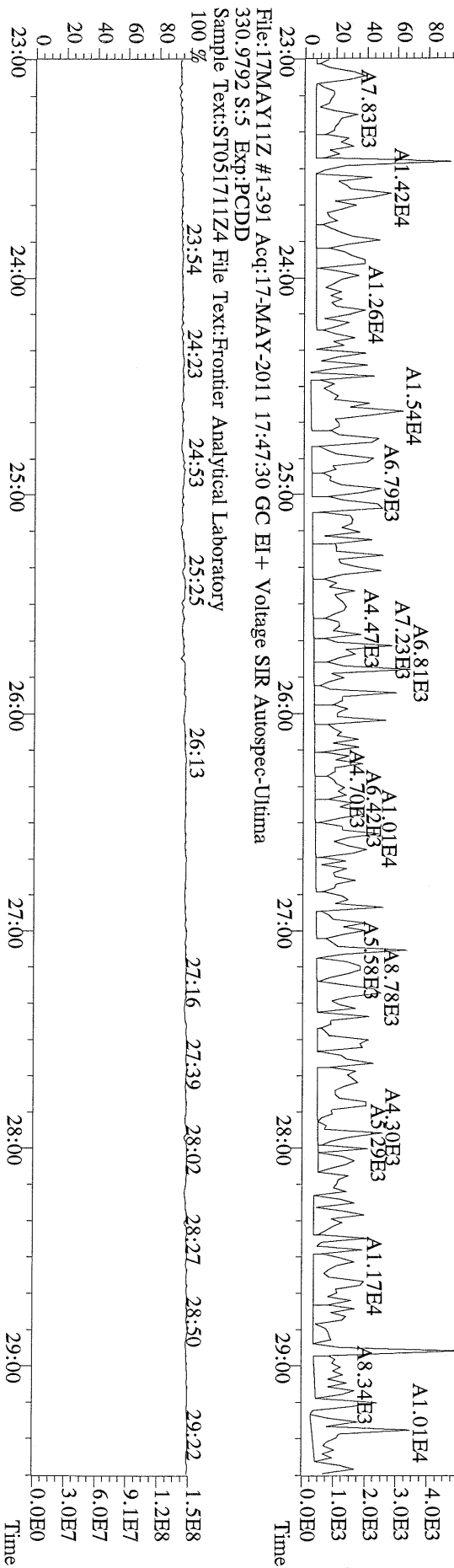
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 339.8597 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



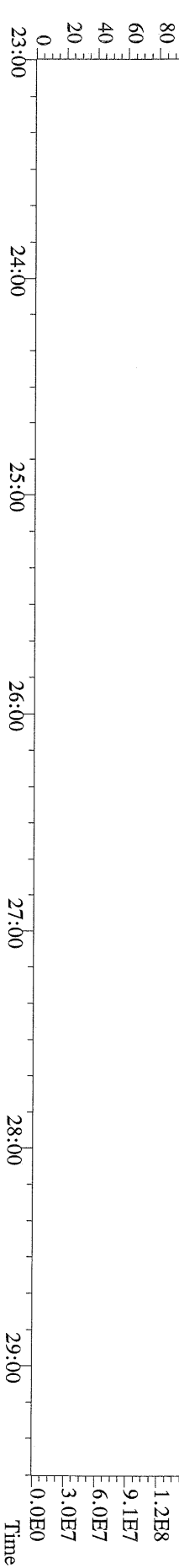
File:17MAY11Z #1-391 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



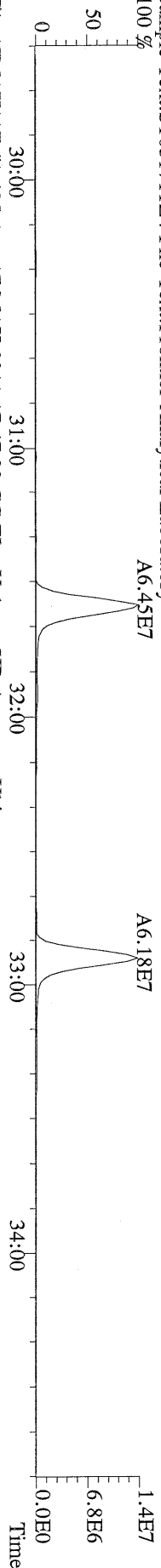
File:17MAY11Z #1-391 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:5 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



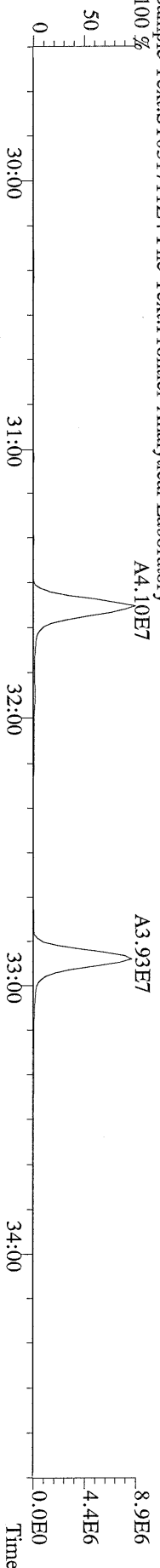
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 330.9792 S:5 Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



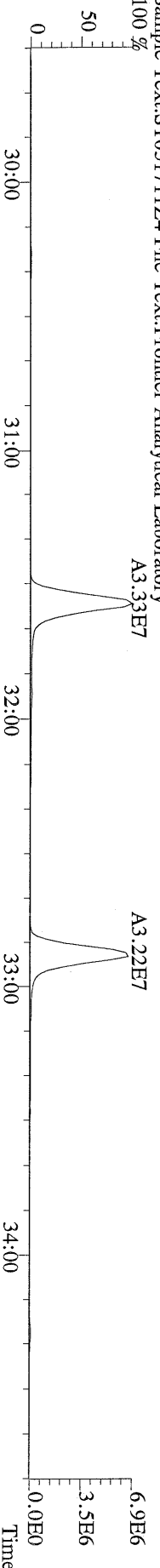
File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



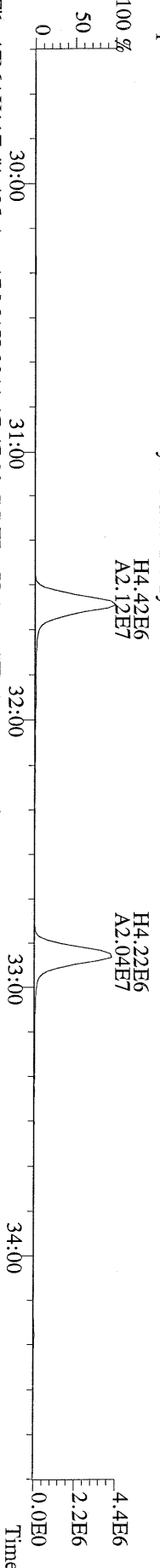
File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



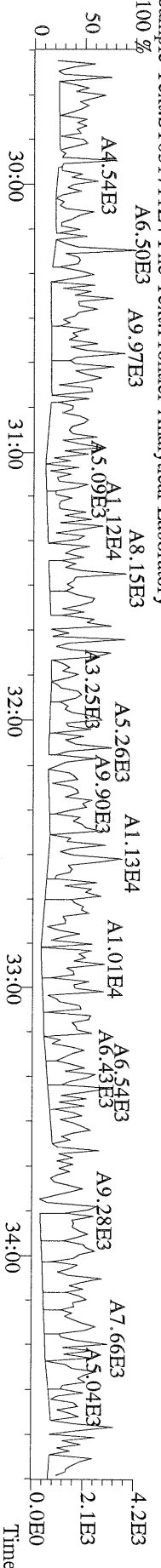
File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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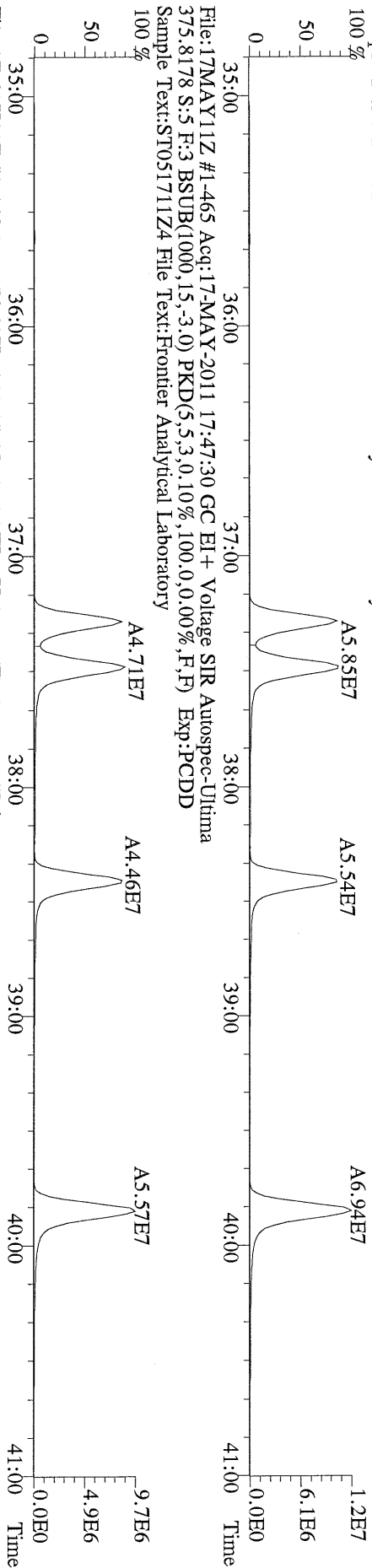
File:17MAY11Z #1-425 Acq:17-MAY-2011 17:47:30 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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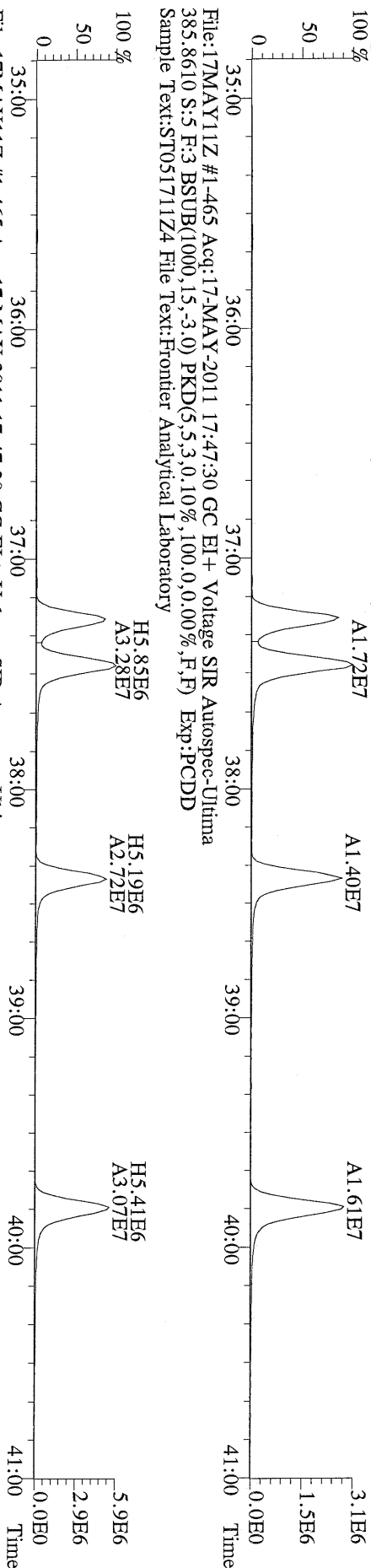
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 409.7974 S:5 F:2 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



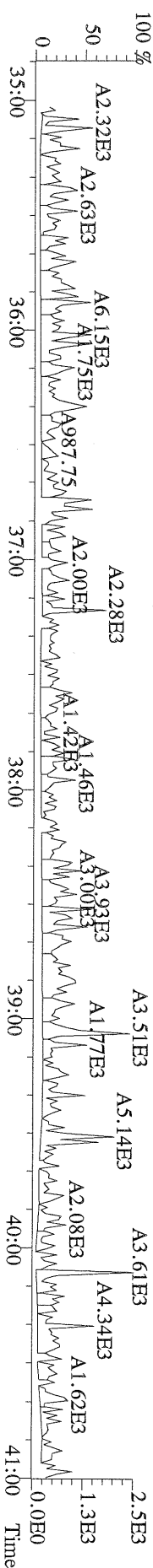
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 373.8207 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory



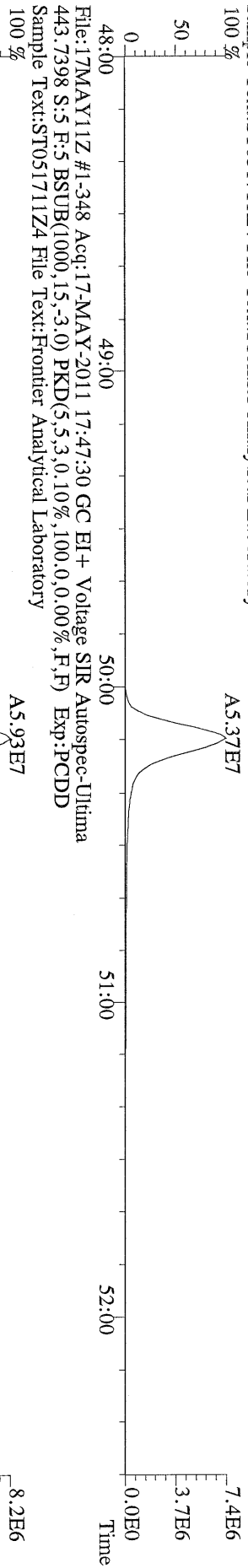
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 383.8639 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
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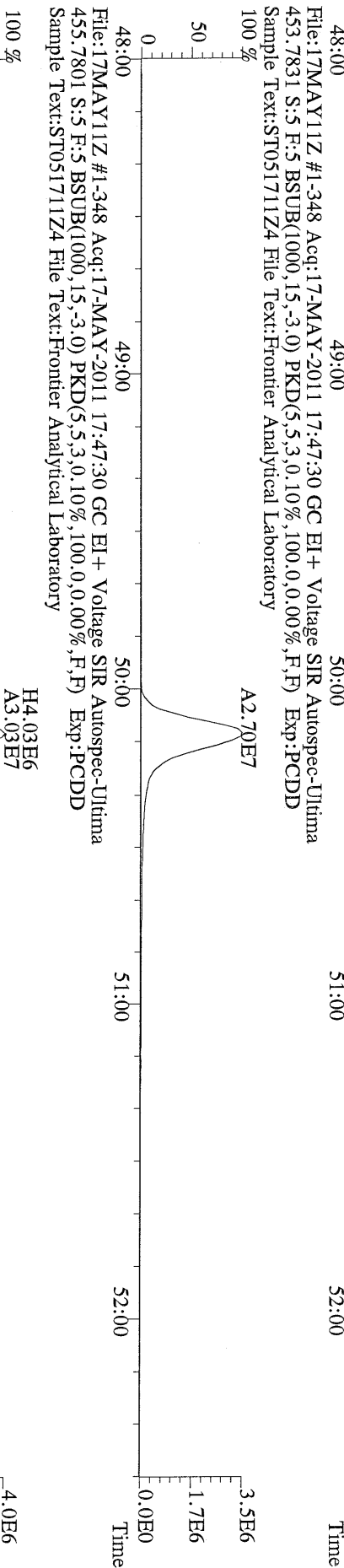
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 445.7555 S:5 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
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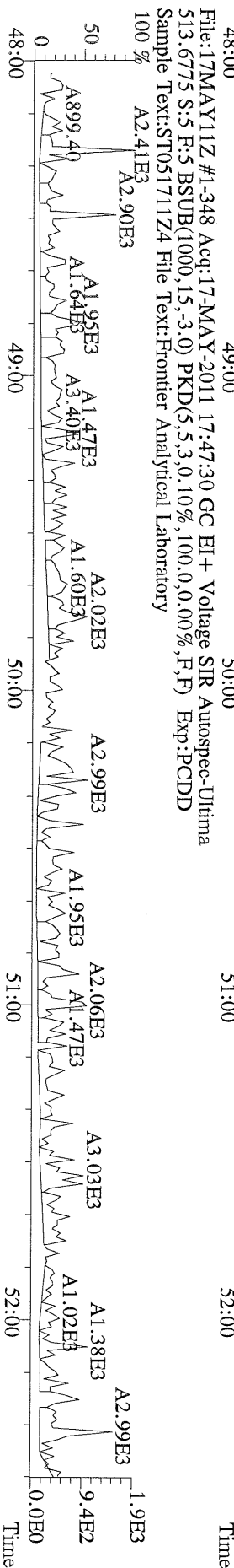
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441.7428 S:5 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



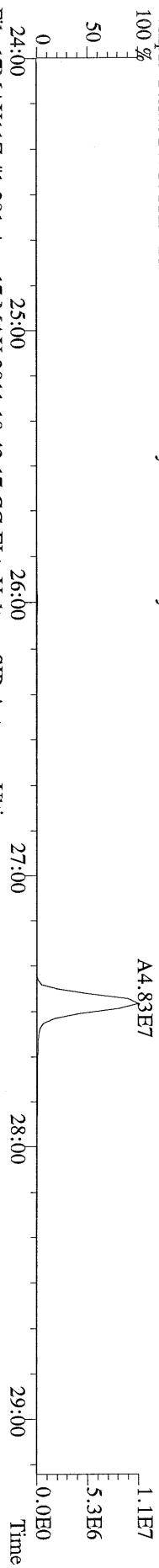
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453.7831 S:5 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
100 %



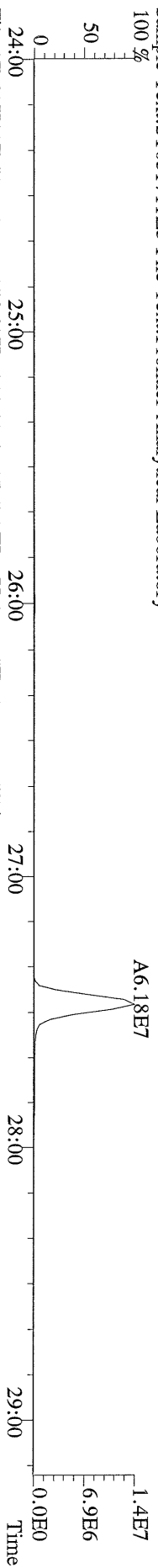
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513.6775 S:5 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z4 File Text:Frontier Analytical Laboratory
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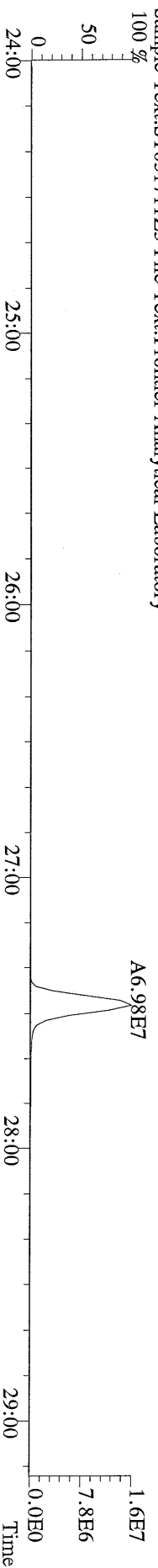
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319.8965 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



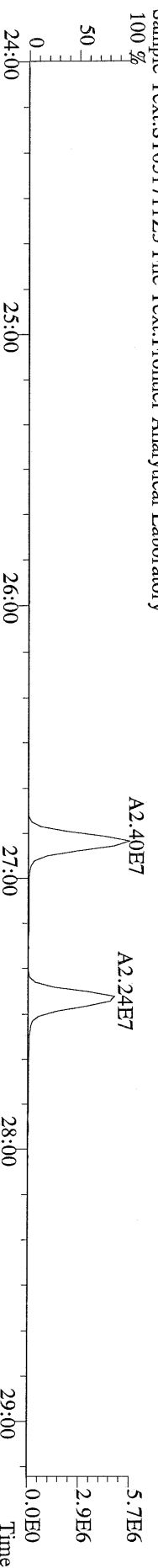
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321.8936 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



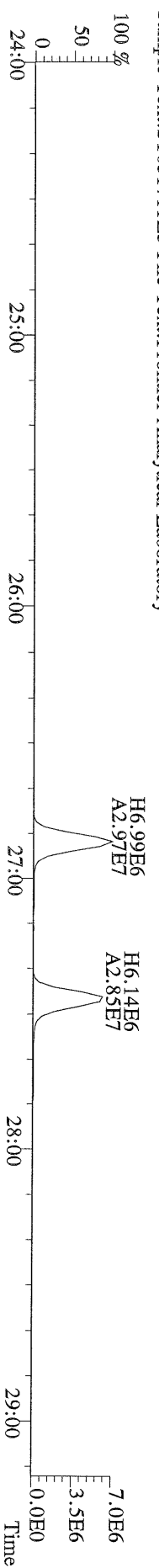
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327.8847 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



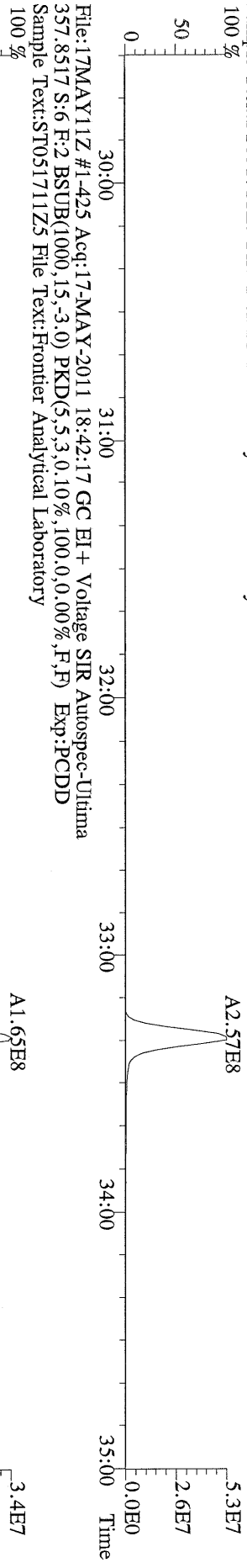
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331.9368 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



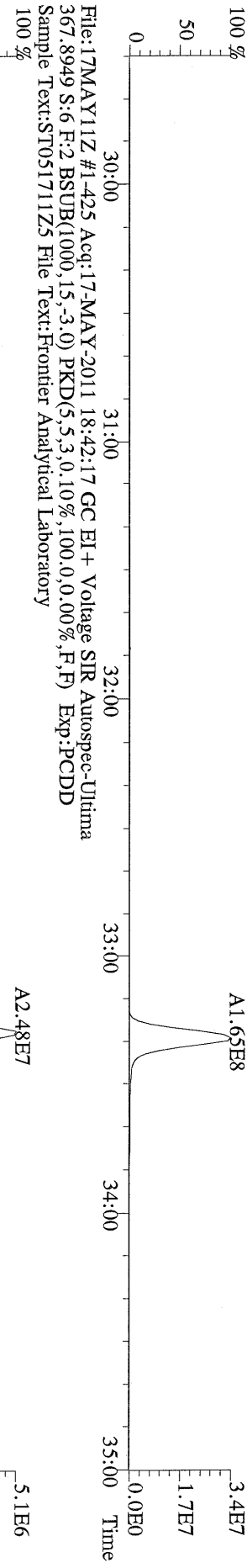
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333.9339 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



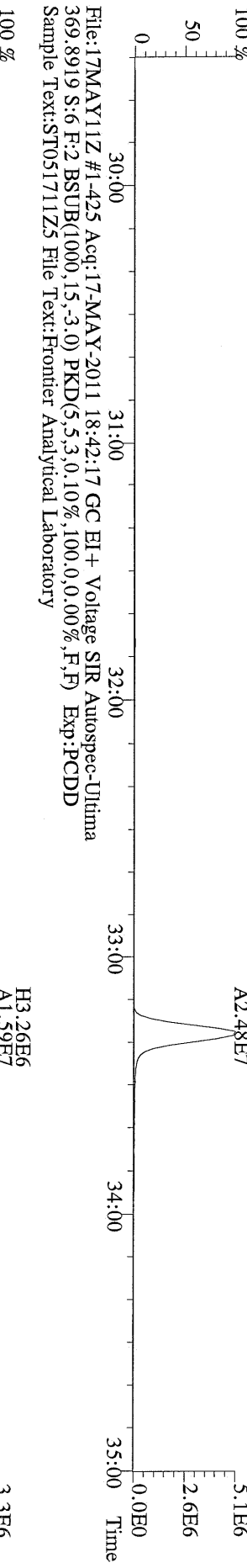
File:17MAY11Z #1-425 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:6 F:2 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



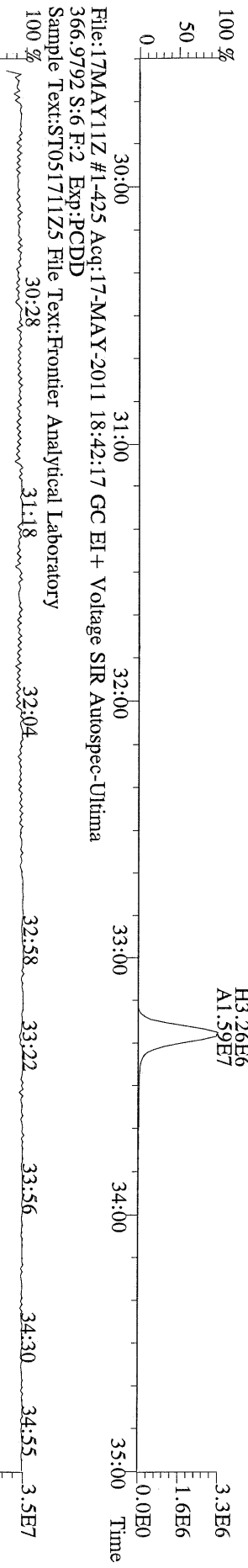
File:17MAY11Z #1-425 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:6 F:2 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



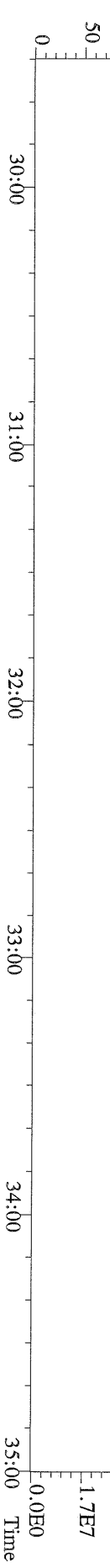
File:17MAY11Z #1-425 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:6 F:2 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



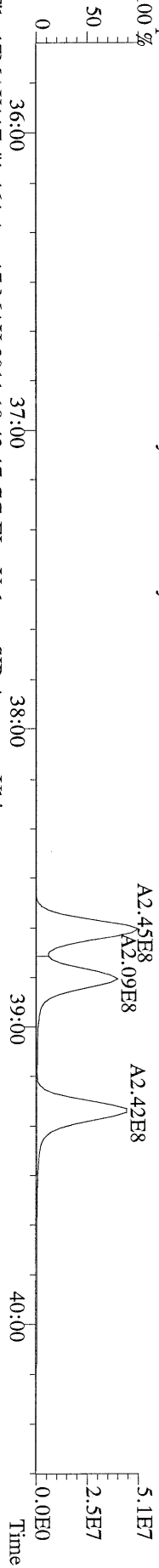
File:17MAY11Z #1-425 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:6 F:2 BSUB(1000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



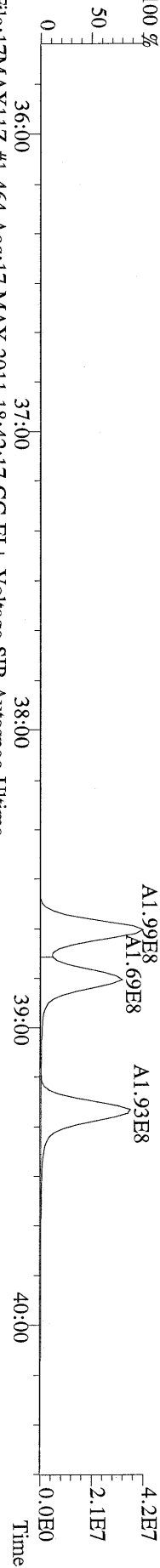
File:17MAY11Z #1-425 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:6 F:2 Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



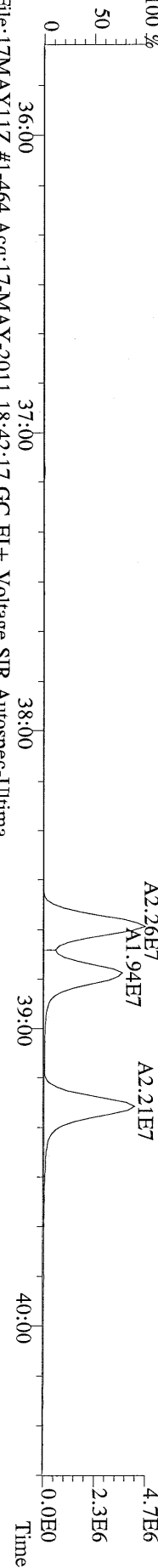
File:17MAY11Z #1-464 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:6 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



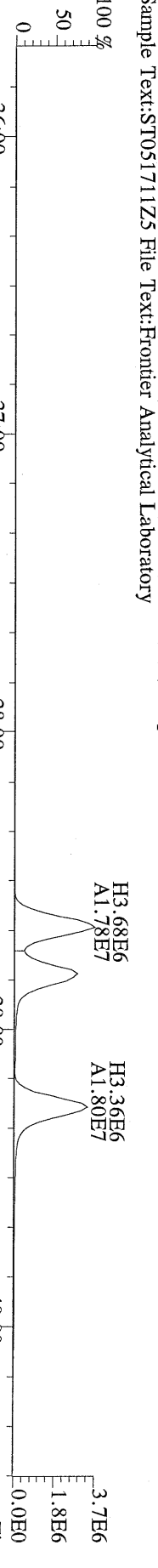
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 391.8127 S:6 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



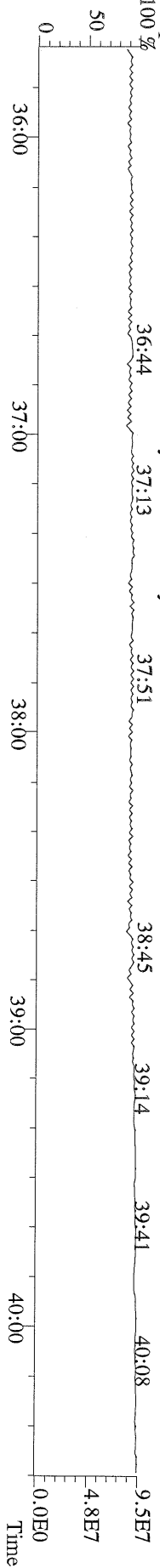
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 401.8559 S:6 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



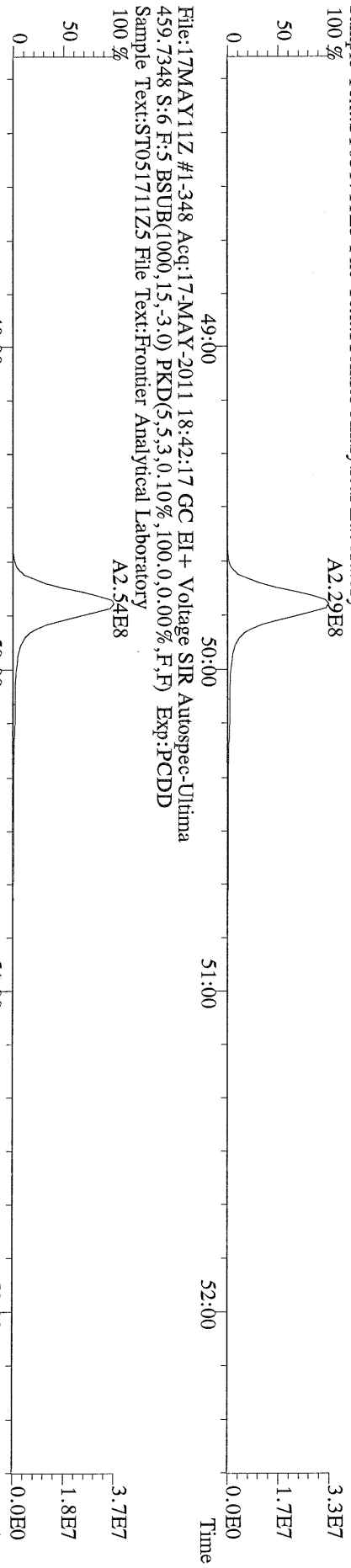
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 403.8530 S:6 F:3 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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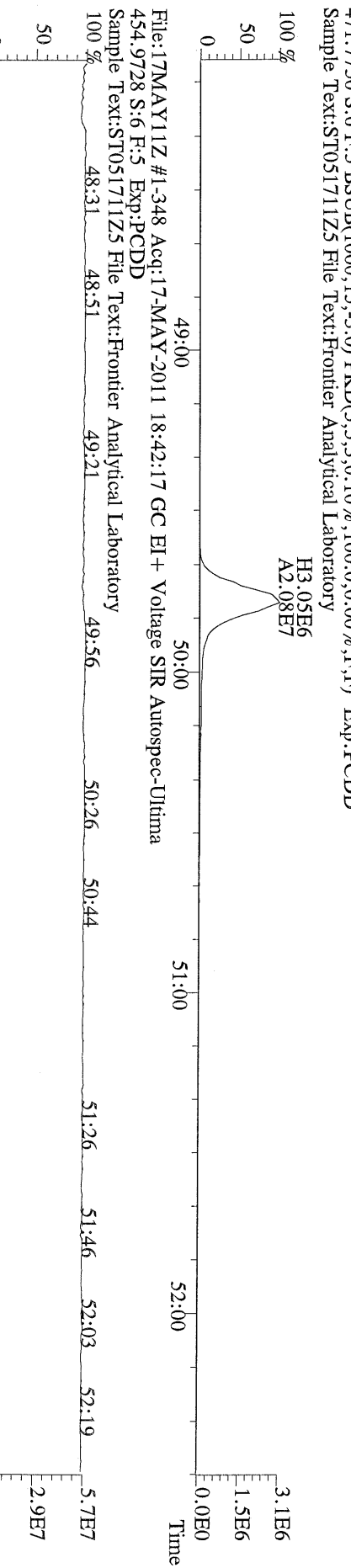
File:17MAY11Z #1-464 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:6 F:3 Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



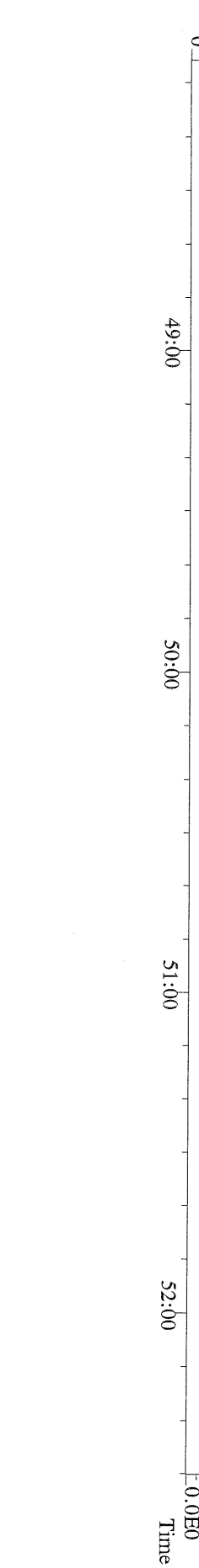
File:17MAY11Z #1-348 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:6 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



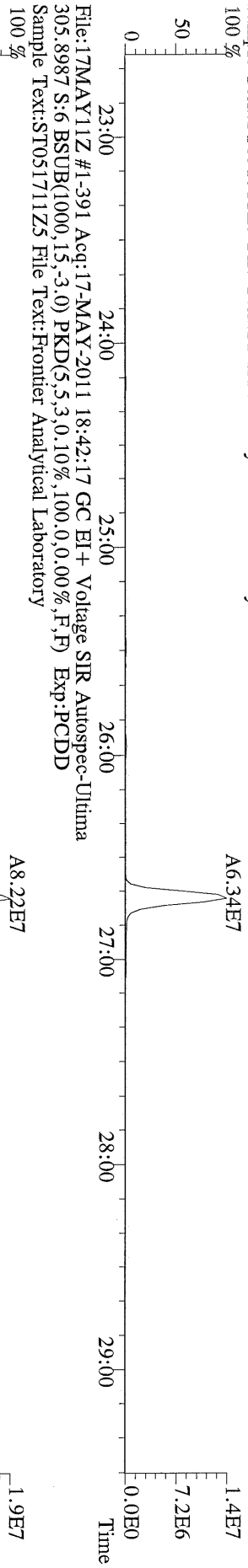
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469.7780 S:6 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



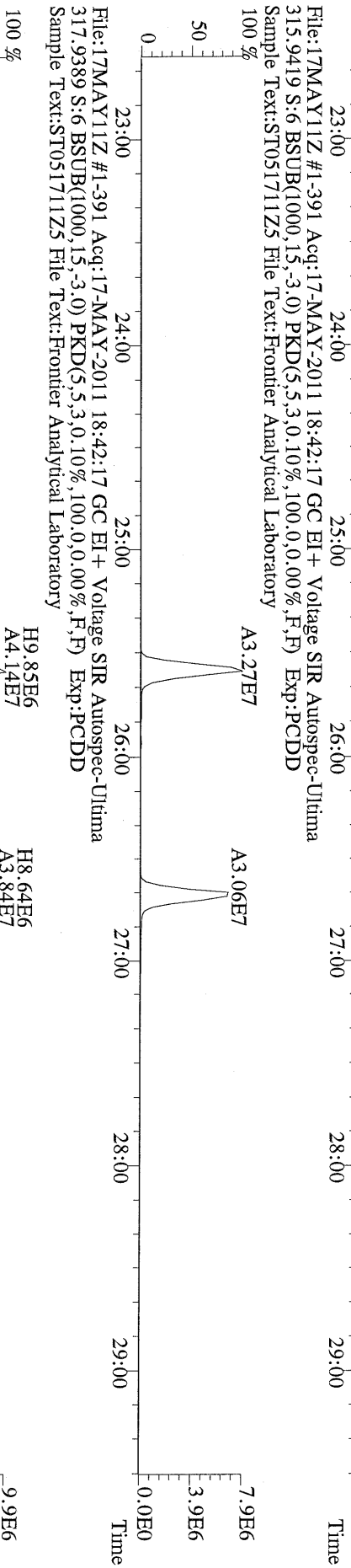
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471.7750 S:6 F:5 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



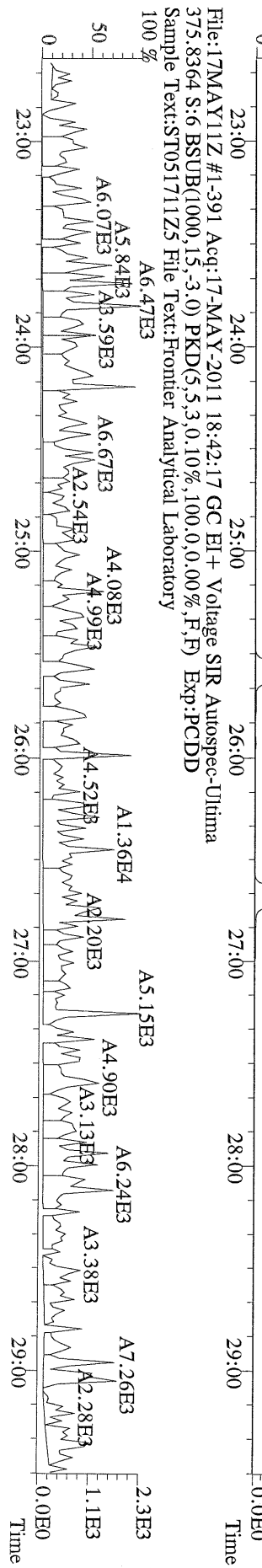
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303.9016 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



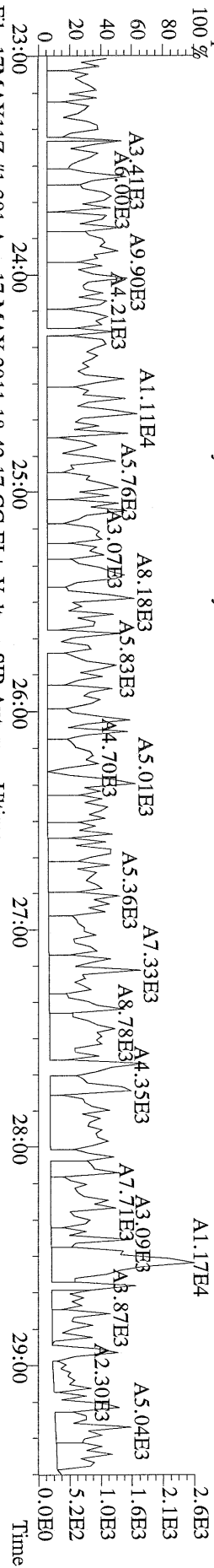
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315.9419 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



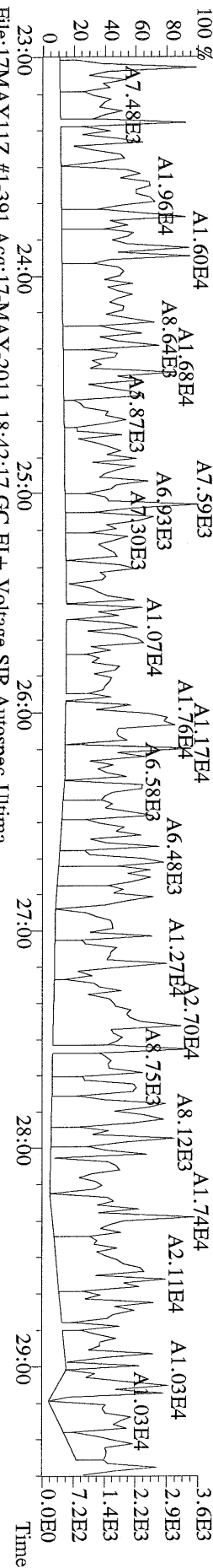
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375.8364 S:6 BSUB(1000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory
100 %



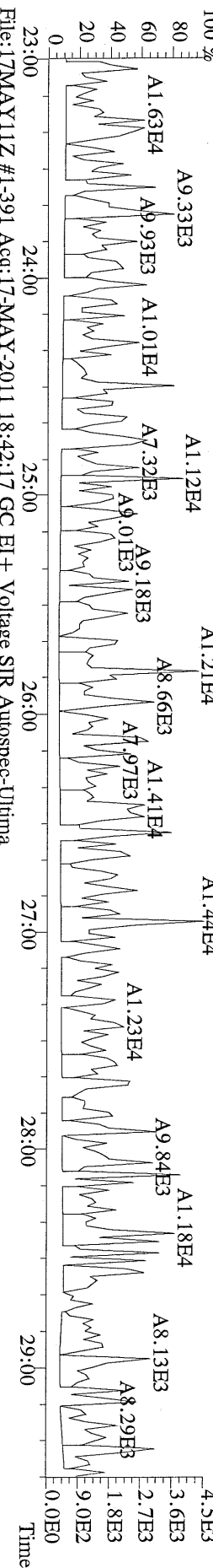
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 339.8568 S:6 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



File:17MAY11Z #1-391 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



File:17MAY11Z #1-391 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 BSUB(1000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory



File:17MAY11Z #1-391 Acq:17-MAY-2011 18:42:17 GC EI+ Voltage SIR Autospec-Ultima
 330.9792 S:6 Exp:PCDD
 Sample Text:ST051711Z5 File Text:Frontier Analytical Laboratory

