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VOLUME 2

GC Forms and Data

Metals Forms and Data

General Chemistry Forms

Subwork

326139

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

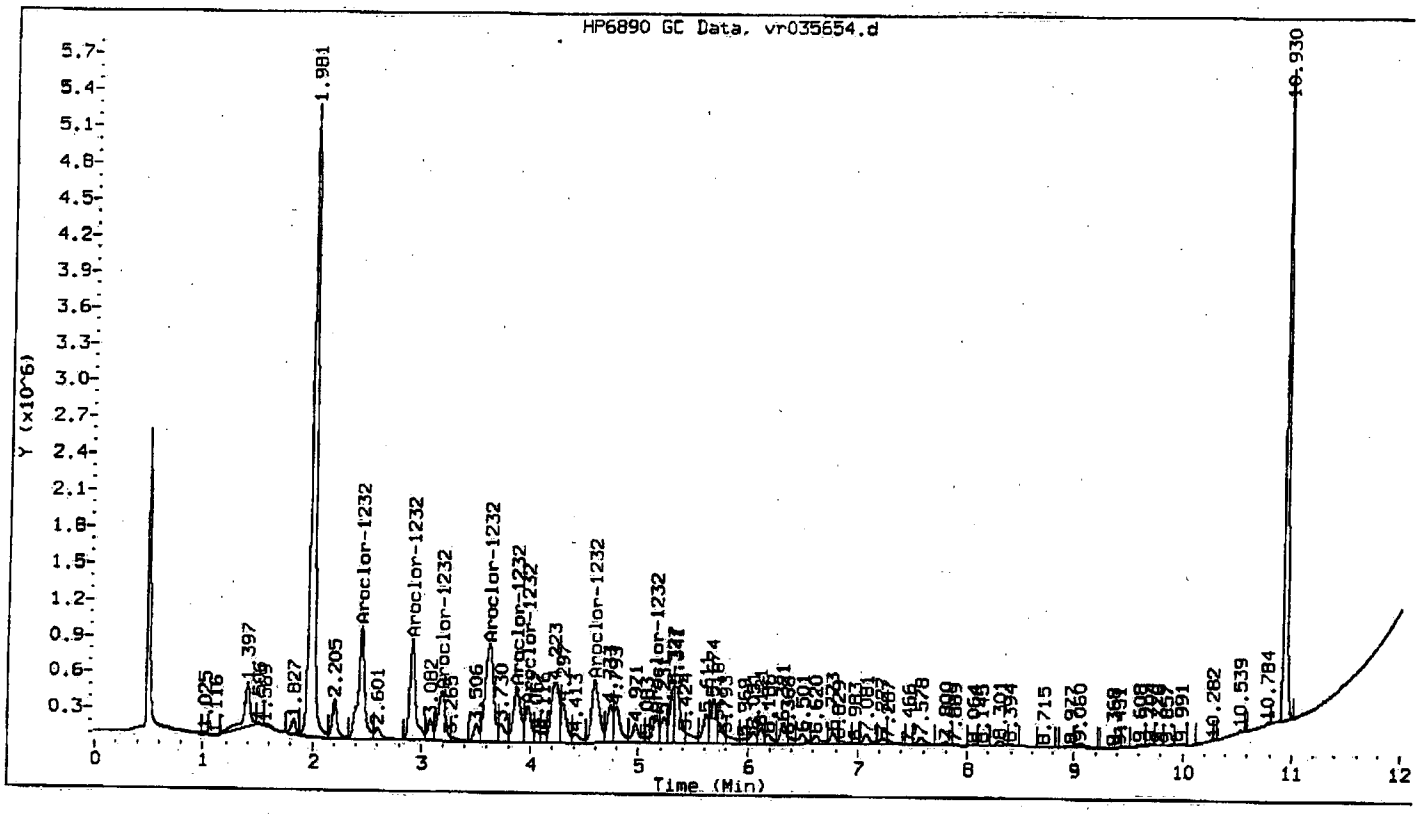
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035654.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	3818.81
2	3058.30
3	1821.27
4	4238.85
5	2116.99
6	1192.79
7	2469.90
8	818.24

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035654.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 01-APR-2005 07:40
Operator : 460
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1232	(M)	2.446	2.446	0.000	3818806	1000.000	1000.000
(2)		2.916	2.916	0.000	3058305	1000.000	1000.000
(3)		3.187	3.187	0.000	1821270	1000.000	1000.000
(4)		3.625	3.625	0.000	4238848	1000.000	1000.000
(5)		3.871	3.871	0.000	2116986	1000.000	1000.000
(6)		3.977	3.977	0.000	1192792	1000.000	1000.000
(7)		4.589	4.589	0.000	2469897	1000.000	1000.000
(8)		5.160	5.160	0.000	818242	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

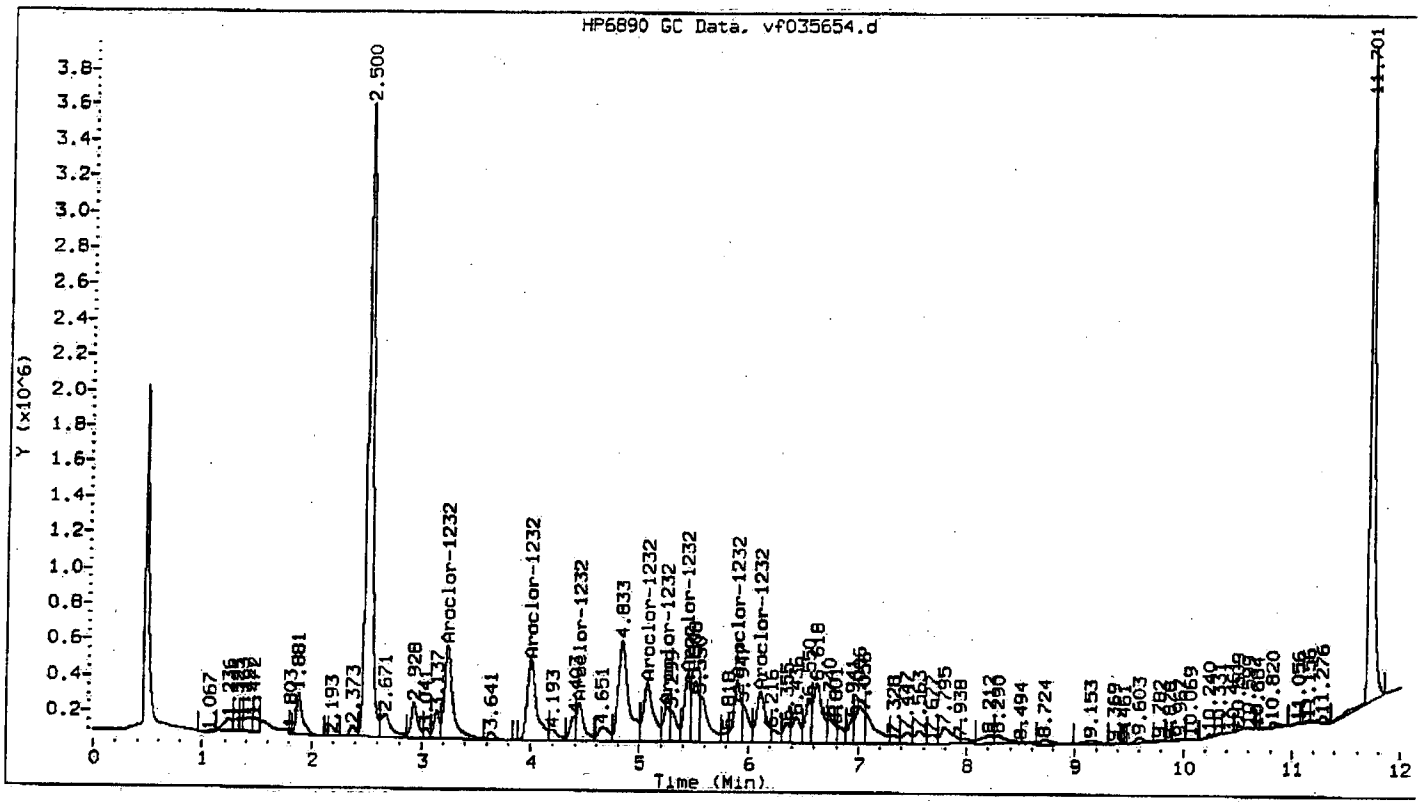
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035654.d

Compound	Midpoint Standard Response Factor
Aroclor-1232	2811.01
2	2682.26
3	1054.60
4	2073.16
5	785.88
6	1526.18
7	1546.35
8	1683.50

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035654.d Page 1
Report Date 04/01/2005 12:07



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/05Vf8082.m
Sample Info : 1232-1000A
Lab ID : 1232-1000A
Inj Date : 01-APR-2005 07:40
Operator : 460
Cpnd Sublist: AR12320

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1232	(M)	3.234	3.234	0.000	2811014	1000.000	1000.000
(2)		3.999	3.999	0.000	2682264	1000.000	1000.000
(3)		4.438	4.438	0.000	1054600	1000.000	1000.000
(4)		5.076	5.076	0.000	2073158	1000.000	1000.000
(5)		5.256	5.256	0.000	785883	1000.000	1000.000
(6)		5.440	5.440	0.000	1526180	1000.000	1000.000
(7)		5.898	5.898	0.000	1546347	1000.000	1000.000
(8)		6.109	6.109	0.000	1683504	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

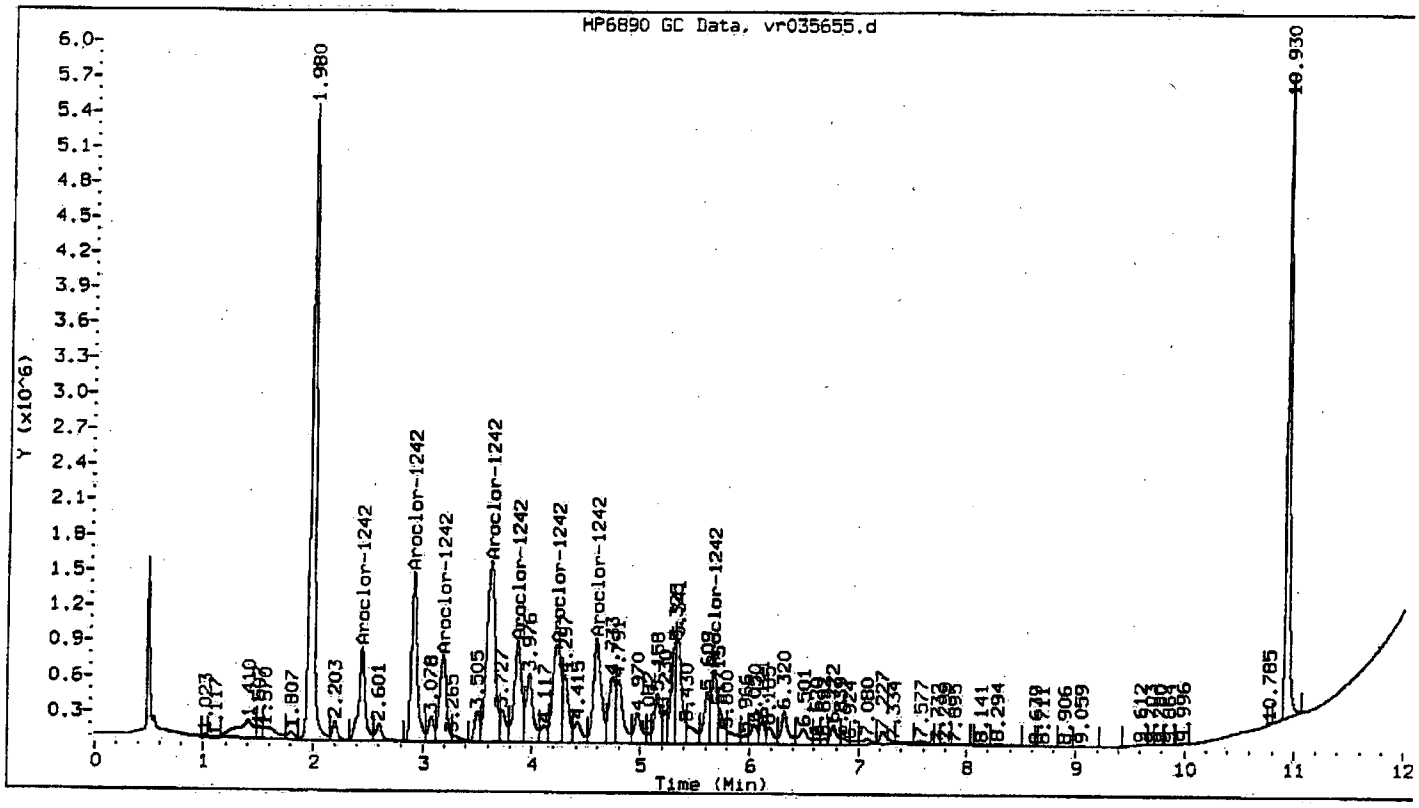
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035655.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	3138.61
2	5116.62
3	3211.38
4	8015.95
5	3923.86
6	4510.39
7	4286.65
8	2278.70

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035655.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 01-APR-2005 07:56
Operator : 460
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1242	(M)	2.445	2.445	0.000	3138613	1000.000	1000.000
(2)		2.915	2.915	0.000	5116620	1000.000	1000.000
(3)		3.186	3.186	0.000	3211378	1000.000	1000.000
(4)		3.625	3.625	0.000	8015955	1000.000	1000.000
(5)		3.869	3.869	0.000	3923861	1000.000	1000.000
(6)		4.227	4.227	0.000	4510392	1000.000	1000.000
(7)		4.587	4.587	0.000	4286654	1000.000	1000.000
(8)		5.673	5.673	0.000	2278703	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

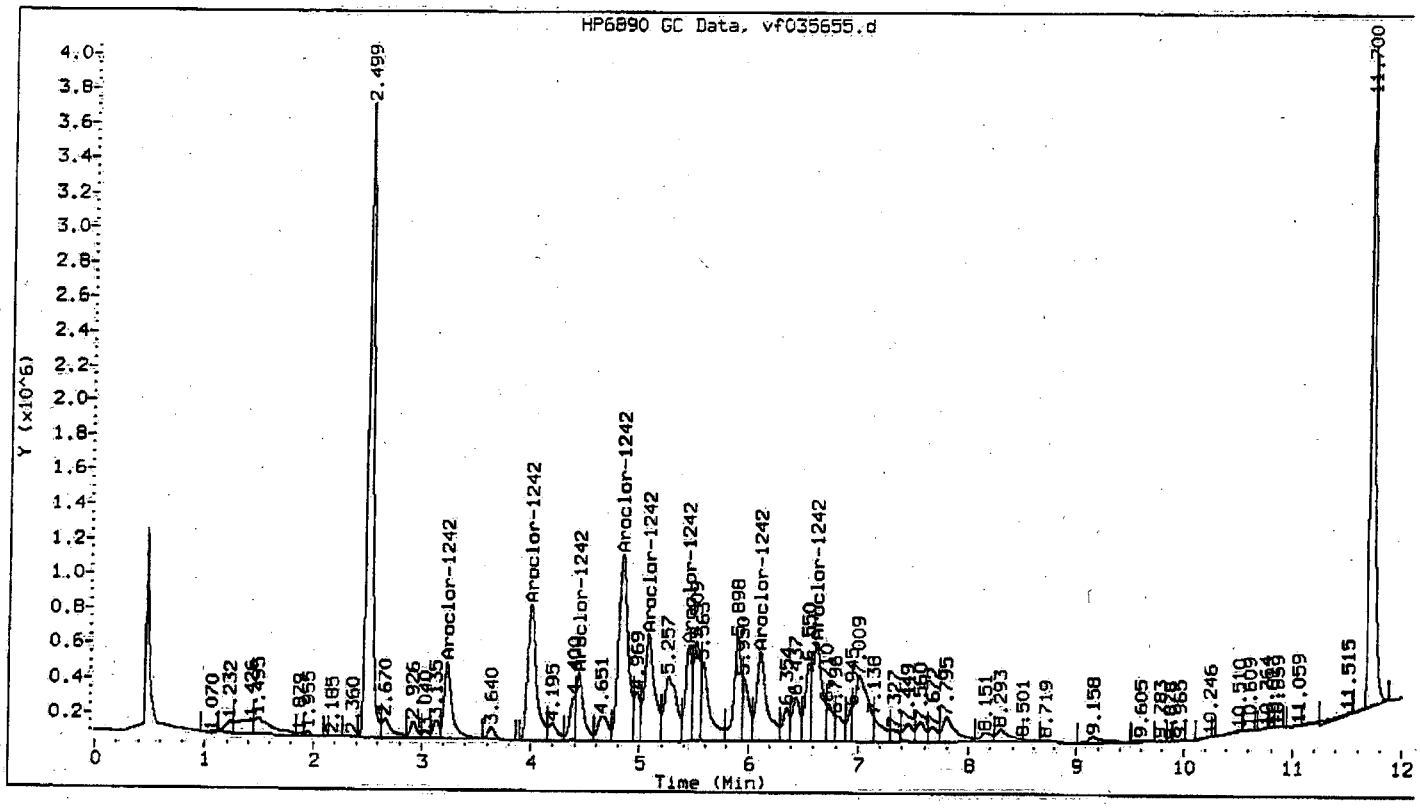
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035655.d

Compound	Midpoint Standard Response Factor
Aroclor-1242	2216.96
2	4507.05
3	1981.40
4	6440.17
5	3918.84
6	2188.68
7	3576.04
8	3219.24

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035655.d Page 1
Report Date 04/01/2005 10:02



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/05Vf8082.m
Sample Info : 1242-1000A
Lab ID : 1242-1000A
Inj Date : 01-APR-2005 07:56
Operator : 460
Cpnd Sublist: AR12420

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1242	(M)	3.232	3.232	0.000	2216962	1000.000	1000.000
(2)		3.999	3.999	0.000	4507047	1000.000	1000.000
(3)		4.438	4.438	0.000	1981397	1000.000	1000.000
(4)		4.833	4.833	0.000	6440167	1000.000	1000.000
(5)		5.076	5.076	0.000	3918837	1000.000	1000.000
(6)		5.440	5.440	0.000	2188676	1000.000	1000.000
(7)		6.109	6.109	0.000	3576041	1000.000	1000.000
(8)		6.619	6.619	0.000	3219244	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

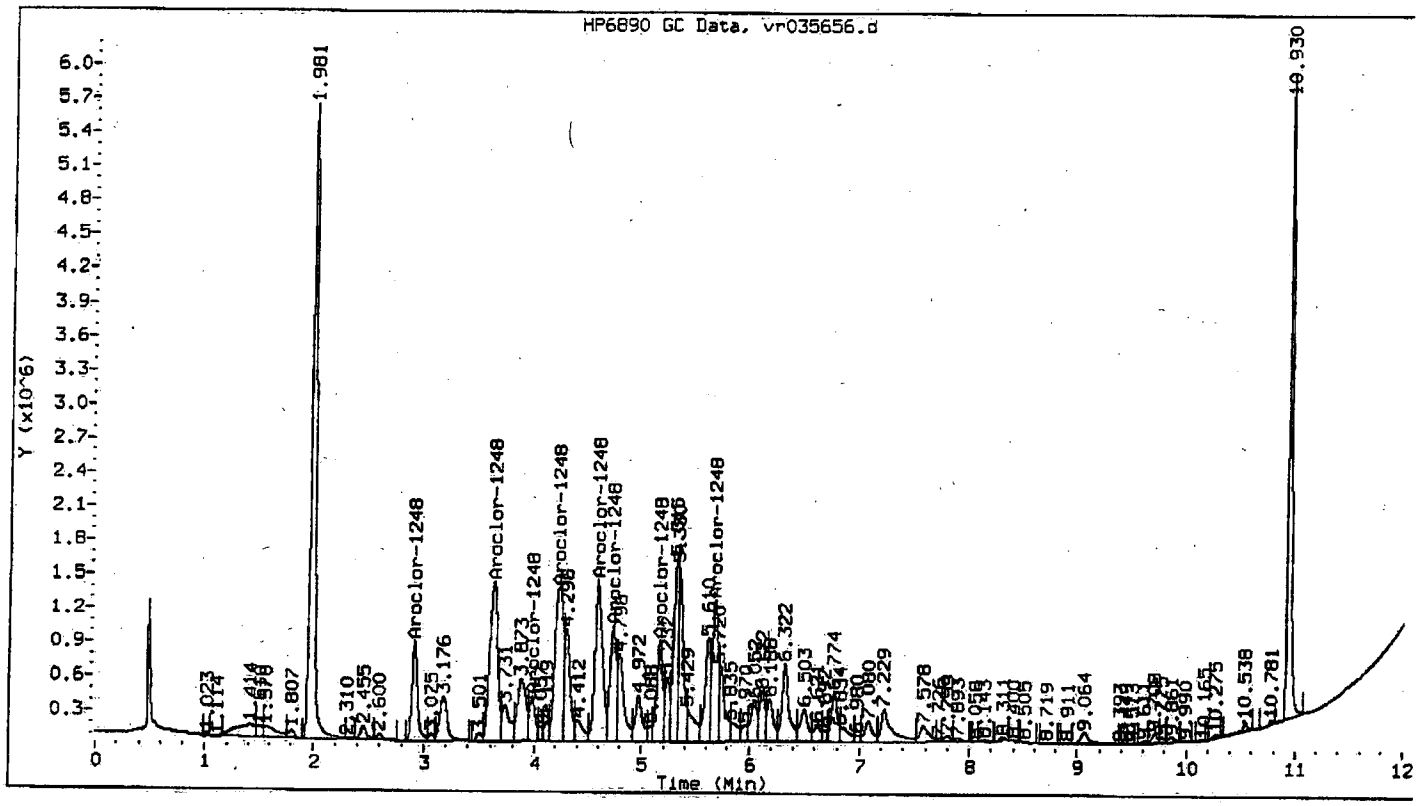
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035656.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	3015.15
2	7193.44
3	1554.74
4	7425.16
5	6944.64
6	4043.92
7	3208.32
8	4747.92

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035656.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 01-APR-2005 08:11
Operator : 460
Cpnd Sublist: AR12480

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1248	(M)	2.915	2.915	0.000	3015151	1000.000	1000.000
(2)		3.625	3.625	0.000	7193440	1000.000	1000.000
(3)		3.976	3.976	0.000	1554740	1000.000	1000.000
(4)		4.225	4.225	0.000	7425160	1000.000	1000.000
(5)		4.588	4.588	0.000	6944640	1000.000	1000.000
(6)		4.733	4.733	0.000	4043919	1000.000	1000.000
(7)		5.160	5.160	0.000	3208315	1000.000	1000.000
(8)		5.675	5.675	0.000	4747920	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

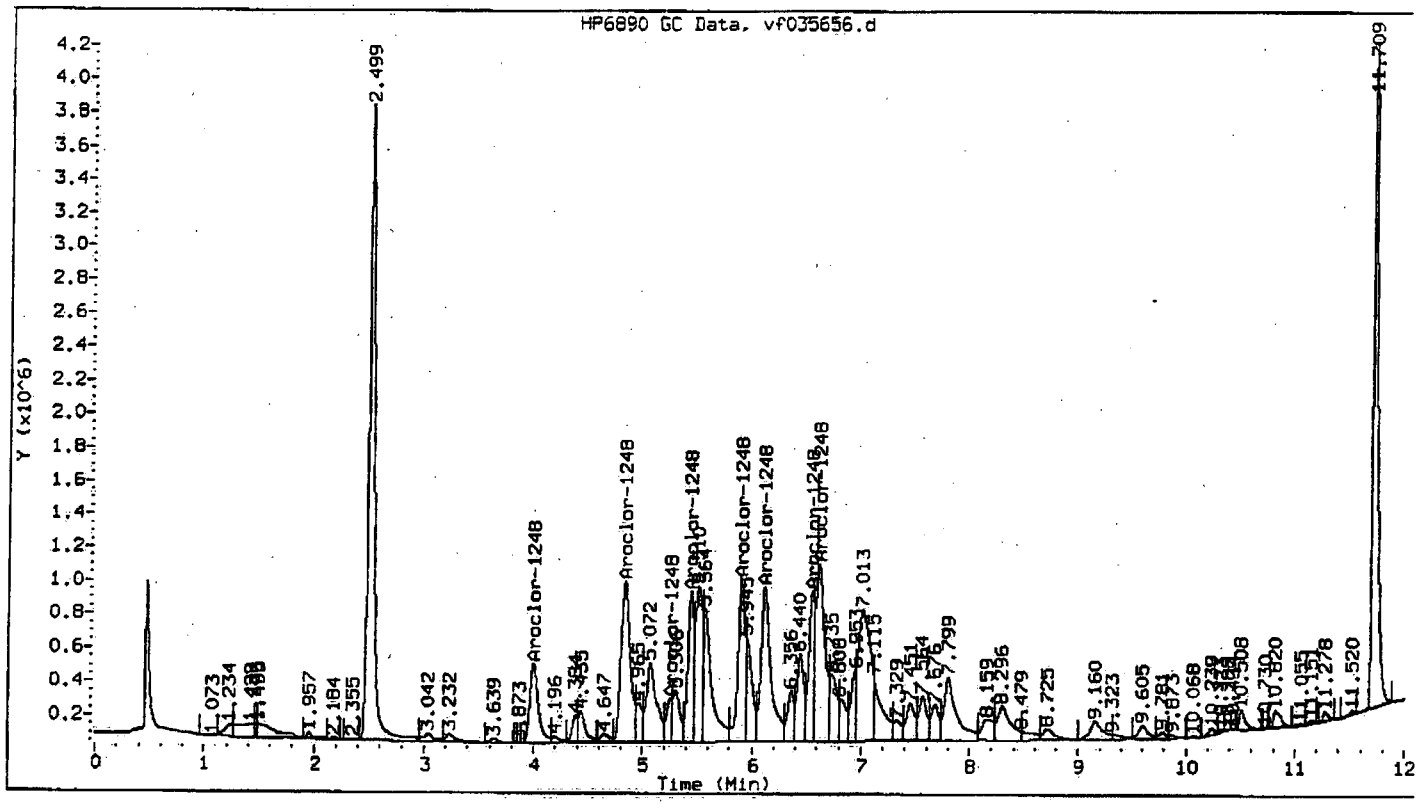
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035656.d

Compound	Midpoint Standard Response Factor
Aroclor-1248	2531.24
2	5693.28
3	808.11
4	3388.30
5	4142.16
6	5838.00
7	3329.53
8	5990.65

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035656.d Page 1
Report Date 04/01/2005 10:02



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Sample Info : 1248-1000A
Lab ID : 1248-1000A
Inj Date : 01-APR-2005 08:11
Operator : 460
Cpnd Sublist: AR12480 4/1/K

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1248	(M)	3.997	3.997	0.000	2531240	1000.000	1000.000
(2)		4.834	4.834	0.000	5693281	1000.000	1000.000
(3)		5.259	5.259	0.000	808110	1000.000	1000.000
(4)		5.441	5.441	0.000	3388296	1000.000	1000.000
(5)		5.900	5.900	0.000	4142163	1000.000	1000.000
(6)		6.110	6.110	0.000	5838002	1000.000	1000.000
(7)		6.553	6.553	0.000	3329532	1000.000	1000.000
(8)		6.619	6.619	0.000	5990652	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

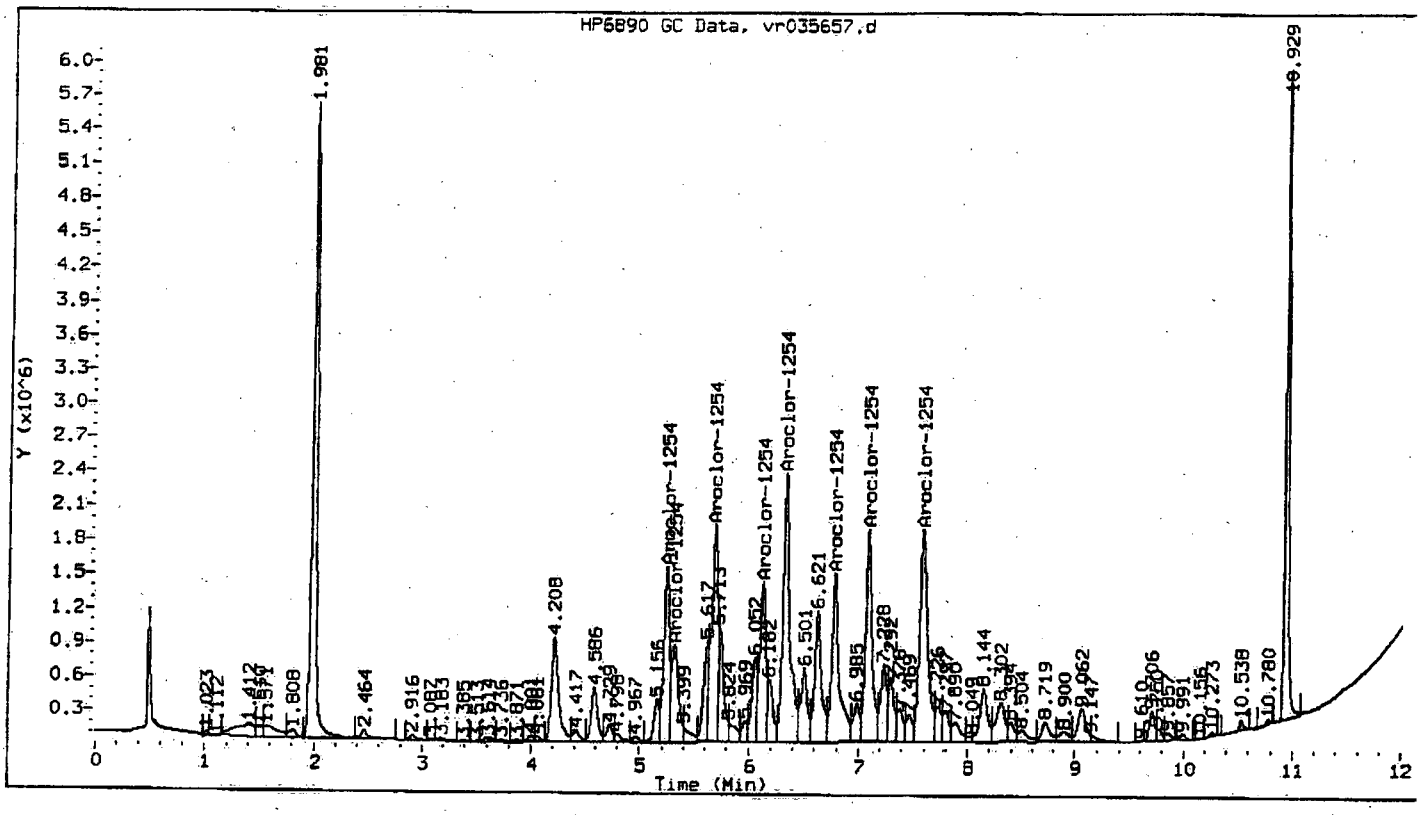
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035657.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	5515.90
2	3836.99
3	7088.98
4	5218.07
5	10258.79
6	7260.29
7	7797.22
8	9674.45

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035657.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 01-APR-2005 08:27
Operator : 460
Cpnd Sublist: AR12540

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1254	(M)	5.236	5.236	0.000	5515896	1000.000	1000.000
(2)		5.311	5.311	0.000	3836990	1000.000	1000.000
(3)		5.674	5.674	0.000	7088975	1000.000	1000.000
(4)		6.121	6.121	0.000	5218067	1000.000	1000.000
(5)		6.321	6.321	0.000	10258788	1000.000	1000.000
(6)		6.774	6.774	0.000	7260293	1000.000	1000.000
(7)		7.081	7.081	0.000	7797217	1000.000	1000.000
(8)		7.579	7.579	0.000	9674446	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

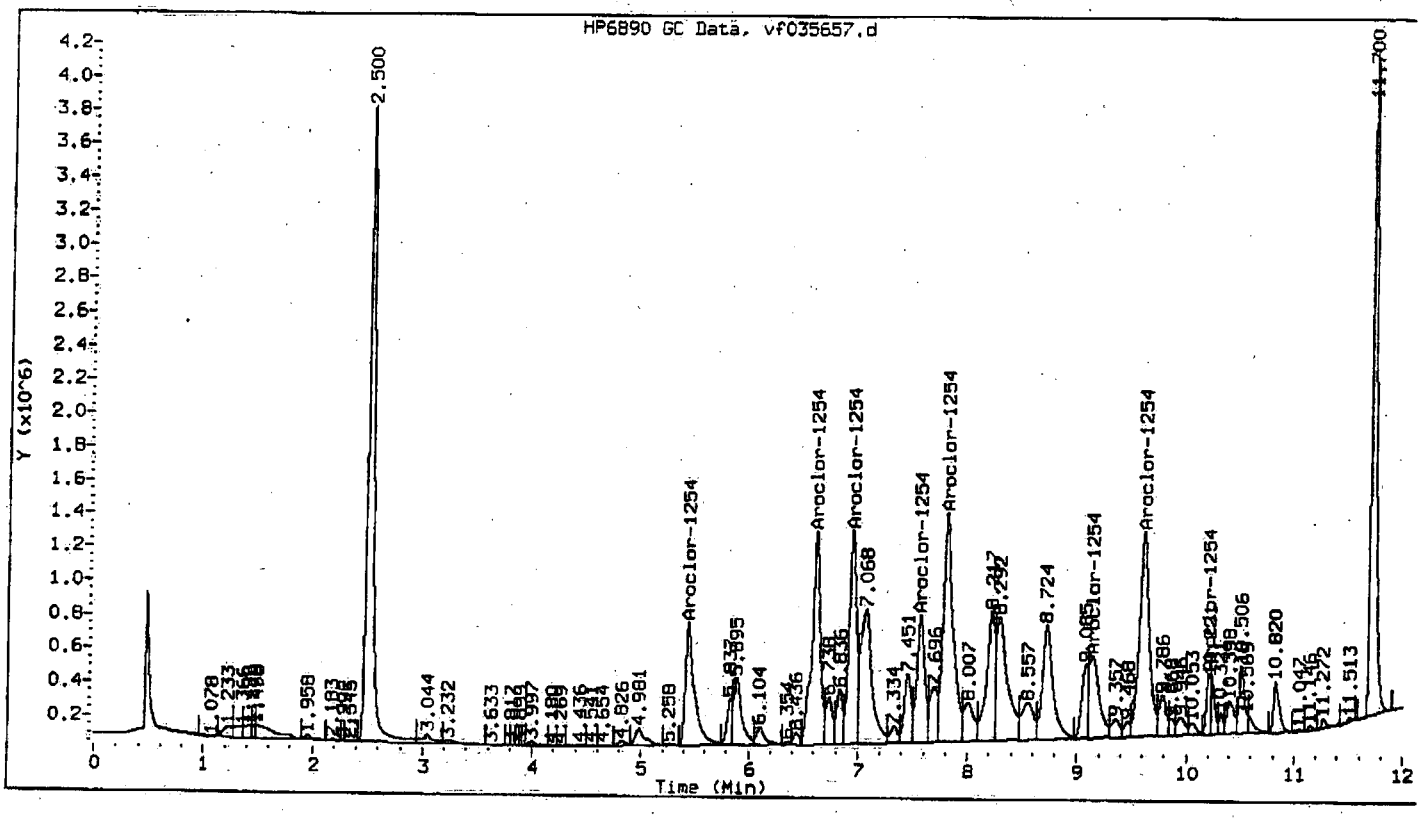
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035657.d

Compound	Midpoint Standard Response Factor
Aroclor-1254	4339.42
2	6852.26
3	5772.41
4	3698.52
5	8703.62
6	3264.42
7	7655.32
8	951.73

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035657.d Page 1
Report Date 04/01/2005 10:02



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Sample Info : 1254-1000A
Lab ID : 1254-1000A
Inj Date : 01-APR-2005 08:27
Operator : 460
Cpnd Sublist: AR12540

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1254	(M)	5.441	5.441	0.000	4339422	1000.000	1000.000
(2)		6.611	6.611	0.000	6852256	1000.000	1000.000
(3)		6.941	6.941	0.000	5772408	1000.000	1000.000
(4)		7.565	7.565	0.000	3698518	1000.000	1000.000
(5)		7.798	7.798	0.000	8703623	1000.000	1000.000
(6)		9.142	9.142	0.000	3264419	1000.000	1000.000
(7)		9.606	9.606	0.000	7655320	1000.000	1000.000
(8)		10.201	10.201	0.000	951727	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

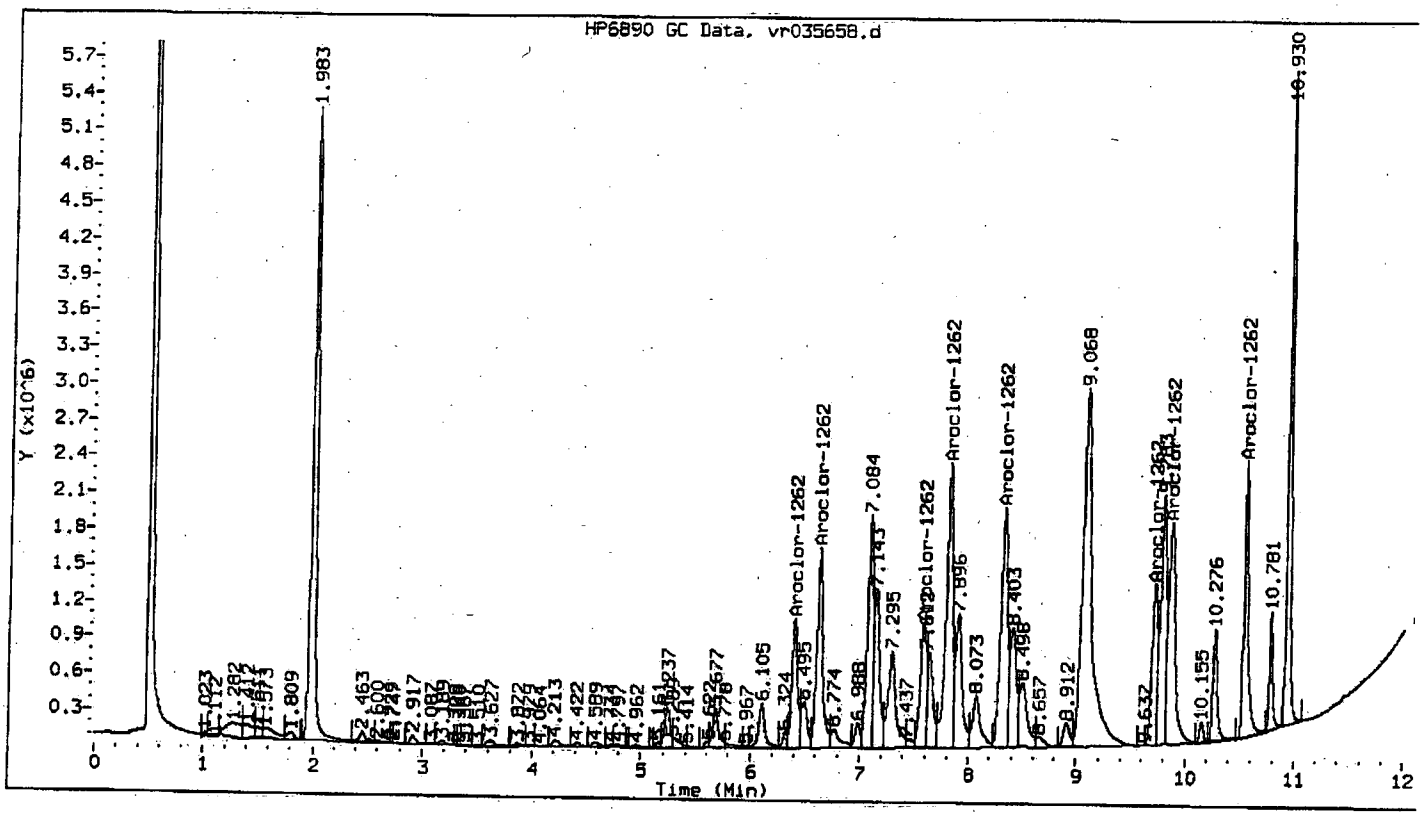
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035658.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	3817.50
2	6291.55
3	3749.09
4	9752.27
5	8440.36
6	4371.04
7	8646.38
8	5862.91

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035658.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 01-APR-2005 08:43
Operator : 460
Cpnd Sublist: AR12620 Calib

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1262	(M)	6.398	6.398	0.000	3817504	1000.000	1000.000
(2)		6.624	6.624	0.000	6291550	1000.000	1000.000
(3)		7.580	7.580	0.000	3749091	1000.000	1000.000
(4)		7.805	7.805	0.000	9752271	1000.000	1000.000
(5)		8.317	8.317	0.000	8440360	1000.000	1000.000
(6)		9.710	9.710	0.000	4371043	1000.000	1000.000
(7)		9.861	9.861	0.000	8646384	1000.000	1000.000
(8)		10.540	10.540	0.000	5862906	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

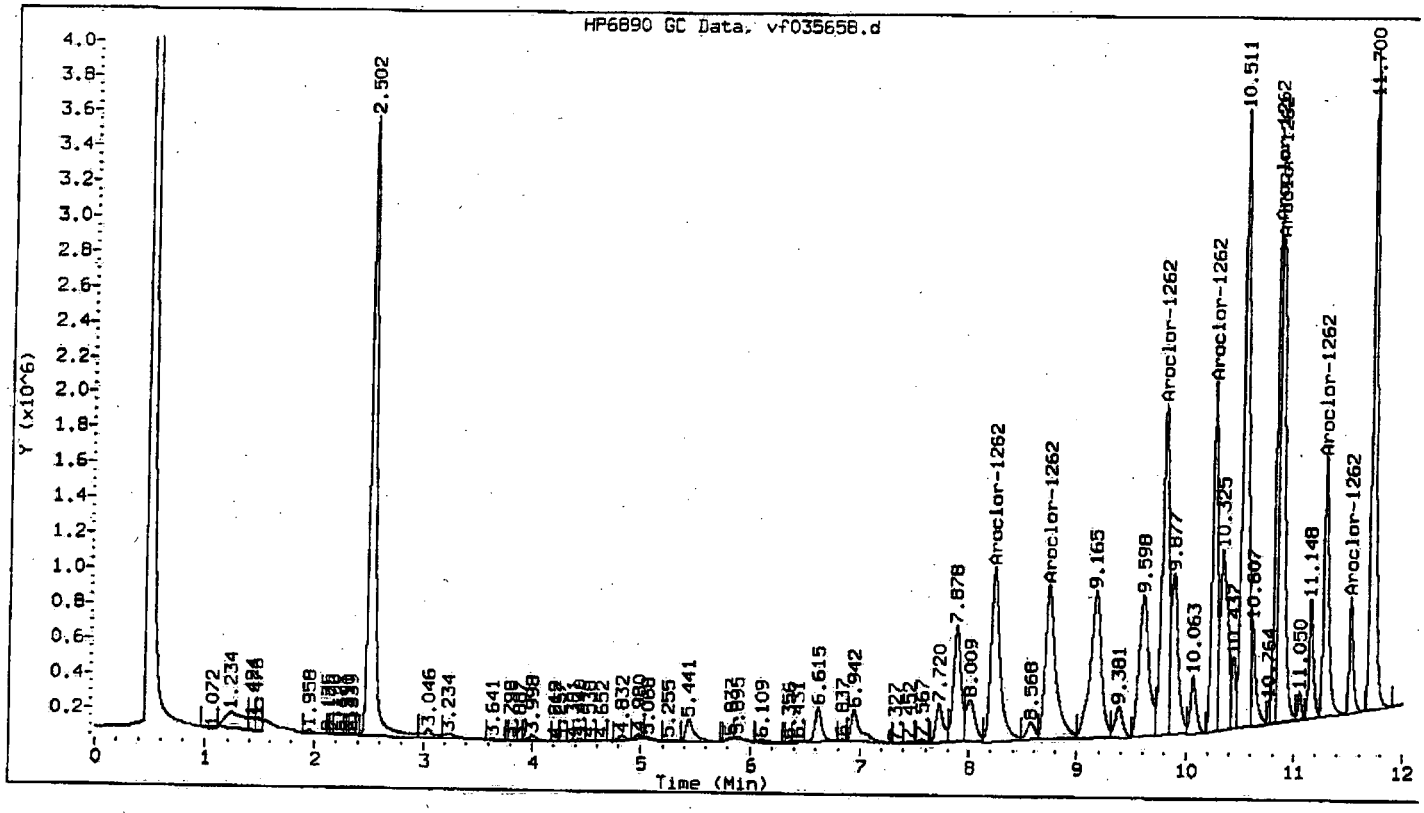
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035658.d

Compound	Midpoint Standard Response Factor
Aroclor-1262	5867.03
2	6098.36
3	8239.72
4	6552.59
5	6081.44
6	9884.27
7	4736.50
8	1683.87

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035658.d Page 1
Report Date 04/01/2005 10:02



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/05Vf8082.m
Sample Info : 1262-1000A
Lab ID : 1262-1000A
Inj Date : 01-APR-2005 08:43
Operator : 460
Cpnd Sublist: AR12620 4/1/15

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/kg)
Aroclor-1262	(M)	8.224	8.224	0.000	5867028	1000.000	1000.000
(2)		8.731	8.731	0.000	6098365	1000.000	1000.000
(3)		9.786	9.786	0.000	8239724	1000.000	1000.000
(4)		10.244	10.244	0.000	6552585	1000.000	1000.000
(5)		10.818	10.818	0.000	6081444	1000.000	1000.000
(6)		10.852	10.852	0.000	9884268	1000.000	1000.000
(7)		11.274	11.274	0.000	4736503	1000.000	1000.000
(8)		11.513	11.513	0.000	1683868	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

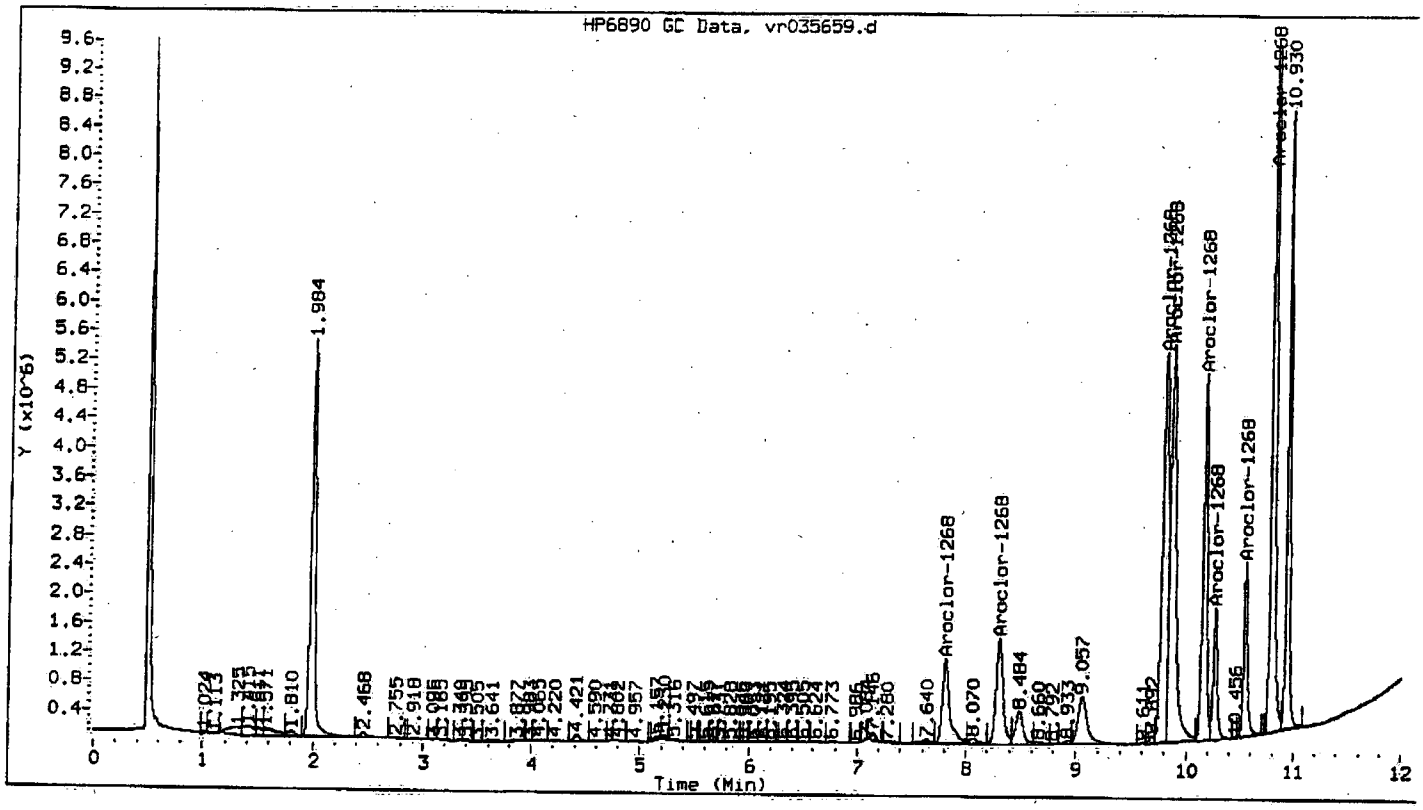
/chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035659.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	5480.12
2	6344.28
3	17209.47
4	22928.47
5	13792.91
6	4766.26
7	5645.16
8	31799.52

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035659.d Page 1
Report Date 04/01/2005 09:57



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/05Vr8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 01-APR-2005 08:59
Operator : 460
Cpnd Sublist: AR12680

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	(M)	7.805	7.805	0.000	5480118	1000.000	1000.000
(2)		8.304	8.304	0.000	6344283	1000.000	1000.000
(3)		9.783	9.783	0.000	17209470	1000.000	1000.000
(4)		9.850	9.850	0.000	22928465	1000.000	1000.000
(5)		10.155	10.155	0.000	13792905	1000.000	1000.000
(6)		10.264	10.264	0.000	4766259	1000.000	1000.000
(7)		10.539	10.539	0.000	5645159	1000.000	1000.000
(8)		10.780	10.780	0.000	31799524	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

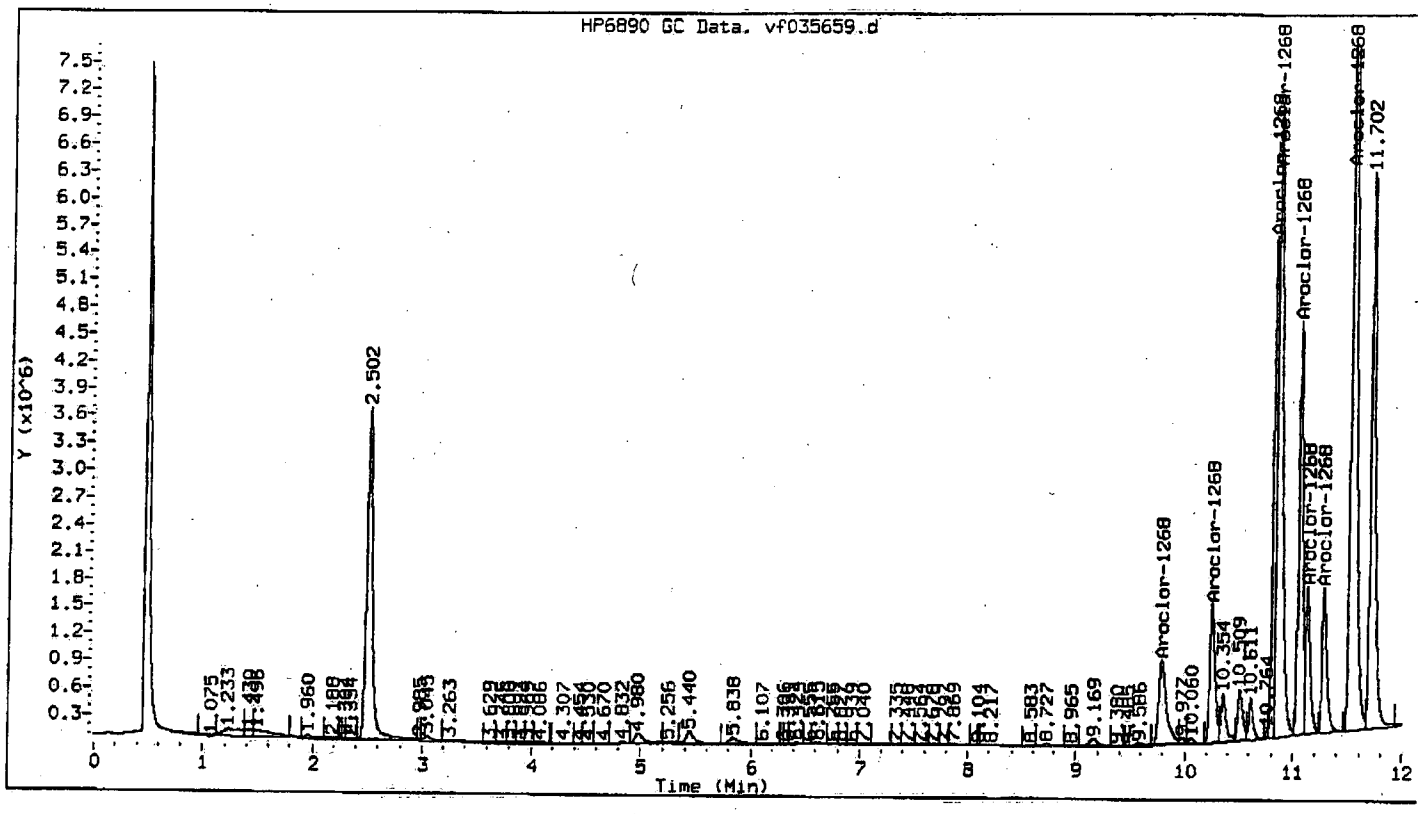
/chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035659.d

Compound	Midpoint Standard Response Factor
Aroclor-1268	4580.89
2	5193.32
3	9769.94
4	24349.73
5	11764.70
6	4684.36
7	4751.21
8	33695.32

Comments:

+ = Multi-component peak not used in calibration of compound.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035659.d Page 1
Report Date 04/01/2005 10:02



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/05Vf8082.m
Sample Info : 1268-1000A
Lab ID : 1268-1000A
Inj Date : 01-APR-2005 08:59
Operator : 460
Cpnd Sublist: AR12680

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1268	(M)	9.785	9.785	0.000	4580894	1000.000	1000.000
(2)		10.245	10.245	0.000	5193318	1000.000	1000.000
(3)		10.814	10.814	0.000	9769941	1000.000	1000.000
(4)		10.850	10.850	0.000	24349731	1000.000	1000.000
(5)		11.052	11.052	0.000	11764698	1000.000	1000.000
(6)		11.127	11.127	0.000	4684364	1000.000	1000.000
(7)		11.275	11.275	0.000	4751214	1000.000	1000.000
(8)		11.515	11.515	0.000	33695320	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035661.d
Method: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/05Vr8082.m

Sample Information: 1660-1000B
Injection Date: 01-APR-2005 10:05

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.447	1000	1010.32	1.03
Aroclor-1016	2	2.917	1000	966.84	3.32
Aroclor-1016	3	3.188	1000	989.67	1.03
Aroclor-1016	4	3.628	1000	1015.37	1.54
Aroclor-1016	5	3.872	1000	1039.67	3.97
Aroclor-1016	6	3.978	1000	1108.77	10.88
Aroclor-1016	7	4.591	1000	1034.18	3.42
Aroclor-1016	8	4.736	1000	1042.66	4.27
Aroclor-1260	1	6.624	1000	981.40	1.86
Aroclor-1260	2	7.084	1000	1017.41	1.74
Aroclor-1260	3	7.582	1000	1049.50	4.95
Aroclor-1260	4	7.805	1000	968.41	3.16
Aroclor-1260	5	8.318	1000	975.57	2.44
Aroclor-1260	6	9.711	1000	1007.08	0.71
Aroclor-1260	7	9.863	1000	1044.93	4.49
Aroclor-1260	8	10.540	1000	1059.59	5.96

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.982	100	103.48	3.48
Decachlorobiphenyl(sur	10.931	100	104.92	4.92

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035648.d
Injection Date: 01-APR-2005 06:06

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035661.d
Injection Date: 01-APR-2005 10:05

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.446	(2.376 - 2.516)	2.447	
	2.917	(2.847 - 2.987)	2.917	
	3.188	(3.118 - 3.258)	3.188	
	3.627	(3.557 - 3.697)	3.628	
	3.871	(3.801 - 3.941)	3.872	
	3.978	(3.909 - 4.048)	3.978	
	4.590	(4.520 - 4.660)	4.591	
	4.735	(4.665 - 4.805)	4.736	
Aroclor-1260	6.623	(6.553 - 6.693)	6.624	
	7.083	(7.013 - 7.153)	7.084	
	7.579	(7.509 - 7.649)	7.582	
	7.803	(7.734 - 7.874)	7.805	
	8.315	(8.245 - 8.385)	8.318	
	9.709	(9.639 - 9.778)	9.711	
	9.861	(9.791 - 9.931)	9.863	
	10.539	(10.469 - 10.609)	10.540	
Tetrachloro-m-xylene(surr)	1.981	(1.931 - 2.031)	1.982	
Decachlorobiphenyl(surr)	10.930	(10.830 - 11.030)	10.931	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035661.d
Method: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/05Vf8082.m

Sample Information: 1660-1000B
Injection Date: 01-APR-2005 10:05

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	3.234	1000	1059.32	5.93
Aroclor-1016	2	4.002	1000	991.27	0.87
Aroclor-1016	3	4.441	1000	1040.20	4.02
Aroclor-1016	4	4.838	1000	1042.95	4.29
Aroclor-1016	5	5.079	1000	1034.01	3.40
Aroclor-1016	6	5.511	1000	1069.02	6.90
Aroclor-1016	7	5.902	1000	1148.93	14.89
Aroclor-1016	8	6.113	1000	1103.96	10.40
Aroclor-1260	1	8.224	1000	1019.81	1.98
Aroclor-1260	2	8.732	1000	1025.60	2.56
Aroclor-1260	3	9.607	1000	1026.28	2.63
Aroclor-1260	4	9.787	1000	1034.99	3.50
Aroclor-1260	5	9.879	1000	1075.92	7.59
Aroclor-1260	6	10.243	1000	1044.67	4.47
Aroclor-1260	7	10.822	1000	989.27	1.07
Aroclor-1260	8	11.277	1000	1073.14	7.31

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.500	100	105.20	5.20
Decachlorobiphenyl(sur	11.705	100	105.00	5.00

GC ORGANICS RETENTION TIME CHECK

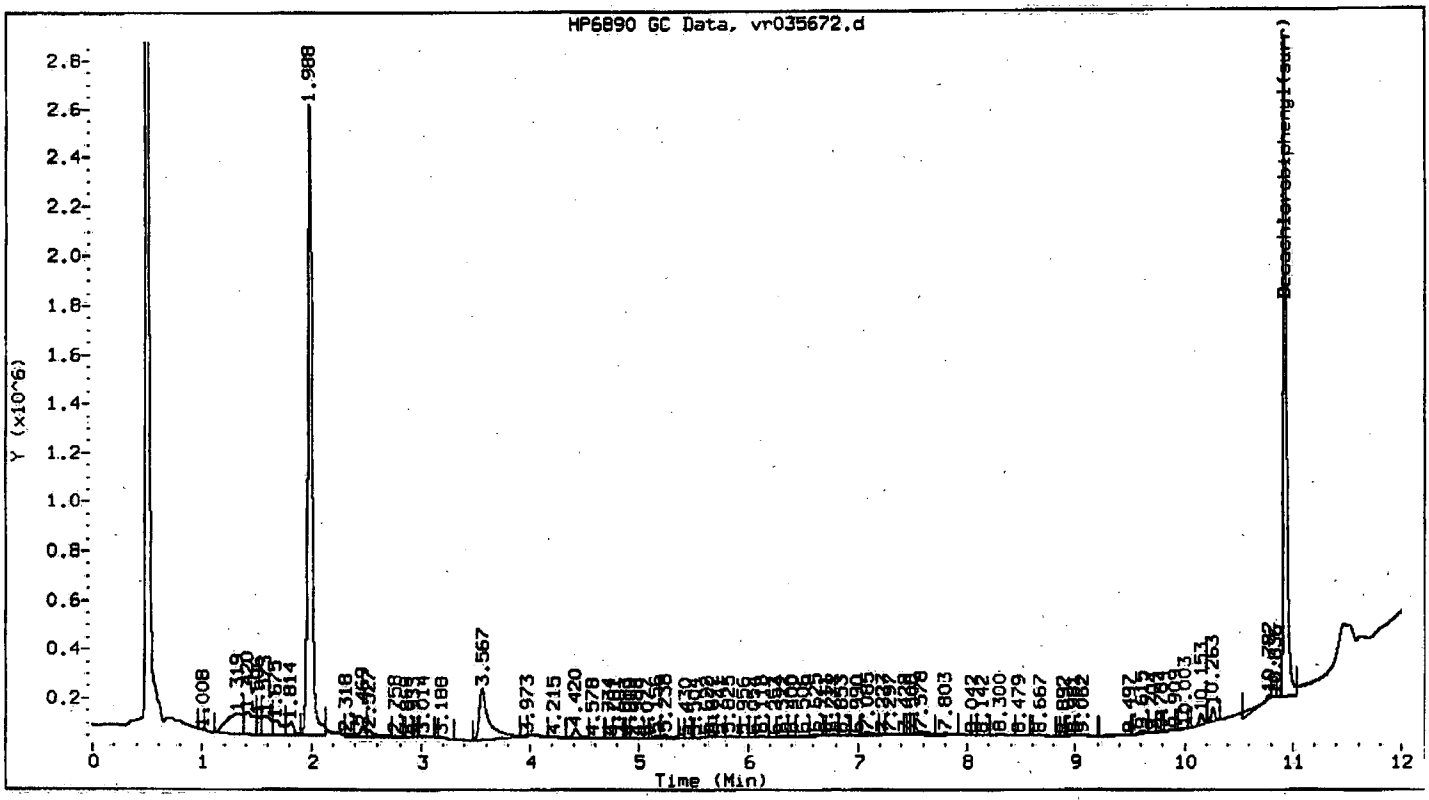
Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Apr05/04 01 05/01apr05a.b/vf035648.d
Injection Date: 01-APR-2005 06:06

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035661.d
Injection Date: 01-APR-2005 10:05

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	3.234	(3.164 - 3.304)	3.234	
	4.001	(3.931 - 4.071)	4.002	
	4.440	(4.370 - 4.510)	4.441	
	4.835	(4.765 - 4.905)	4.838	
	5.079	(5.008 - 5.149)	5.079	
	5.510	(5.440 - 5.580)	5.511	
	5.901	(5.831 - 5.971)	5.902	
	6.111	(6.041 - 6.181)	6.113	
Aroclor-1260	8.221	(8.151 - 8.291)	8.224	
	8.728	(8.658 - 8.798)	8.732	
	9.604	(9.534 - 9.674)	9.607	
	9.784	(9.713 - 9.854)	9.787	
	9.877	(9.807 - 9.947)	9.879	
	10.242	(10.172 - 10.312)	10.243	
	10.820	(10.750 - 10.890)	10.822	
	11.275	(11.205 - 11.345)	11.277	
Tetrachloro-m-xylene(surr)	2.500	(2.450 - 2.550)	2.500	
Decachlorobiphenyl(surr)	11.704	(11.604 - 11.804)	11.705	

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035672.d Page 1
Report Date 04/01/2005 15:39

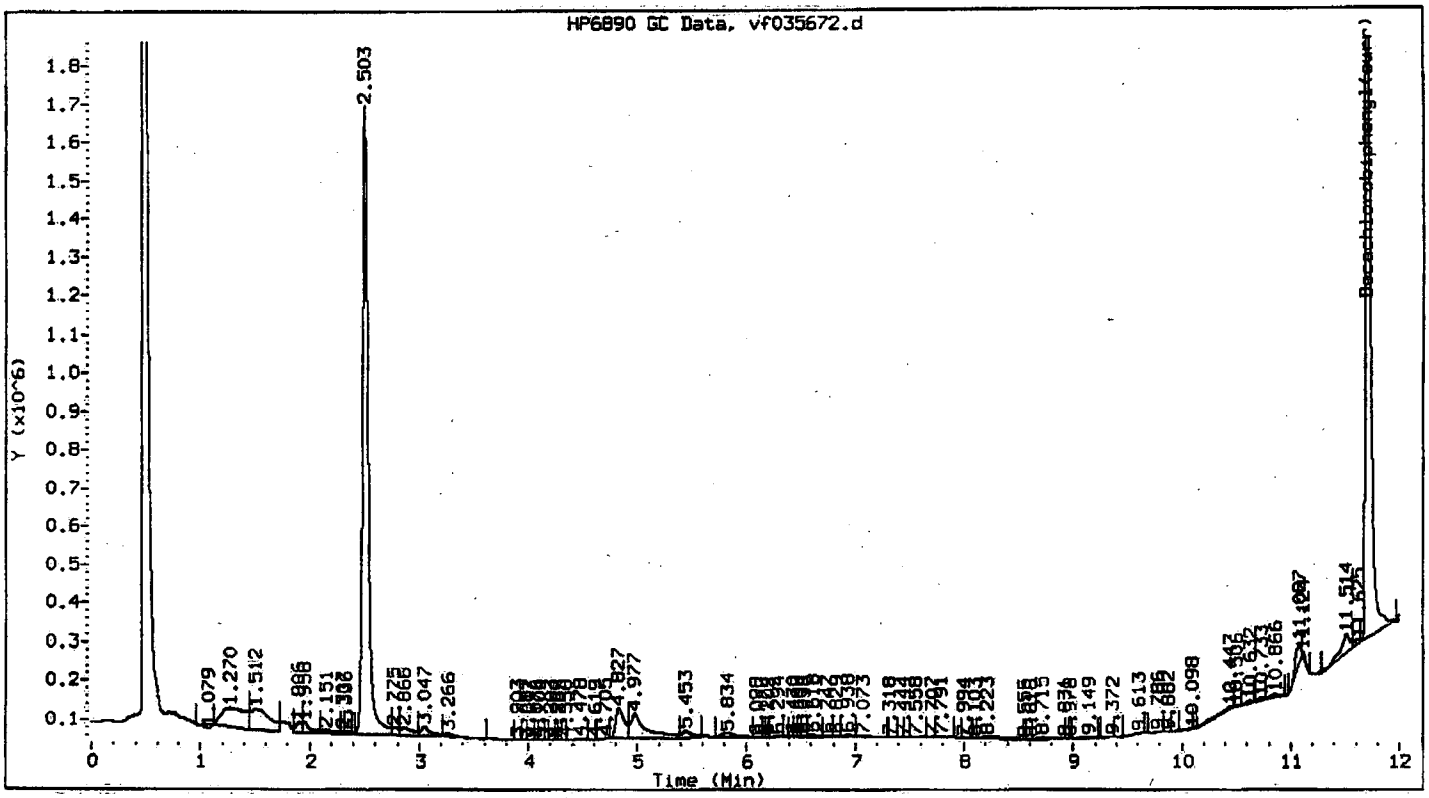


Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/05Vr8082.m
Sample Info : sp075f;mb46268
Lab ID : SP075F
Inj Date : 01-APR-2005 13:01
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	10.930	10.931	0.001	5589842	53.331	35.554

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035672.d Page 1
Report Date 04/01/2005 15:34

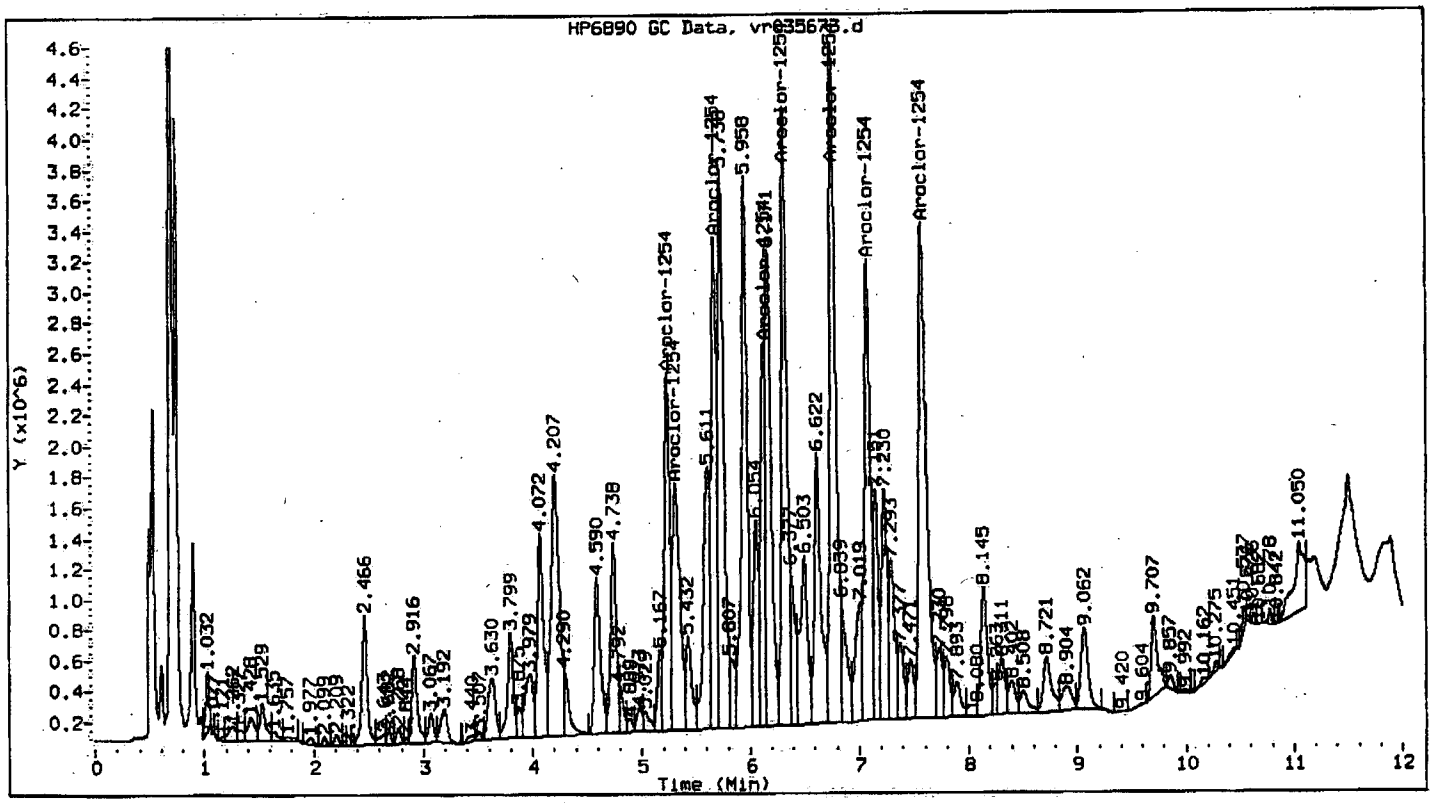


Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/05Vf8082.m
Sample Info : sp075f;mb46268
Lab ID : SP075F
Inj Date : 01-APR-2005 13:01
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Decachlorobiphenyl(surr)	11.704	11.705	0.001	6178349	56.535	37.690

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035673.d Page 1
Report Date 04/01/2005 15:32



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/05Vr8082.m
Sample Info : 614677;2238397
Lab ID : 614677
Inj Date : 01-APR-2005 13:17
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 250
Sample Matrix : SOIL
Sample Type: SAMPLE

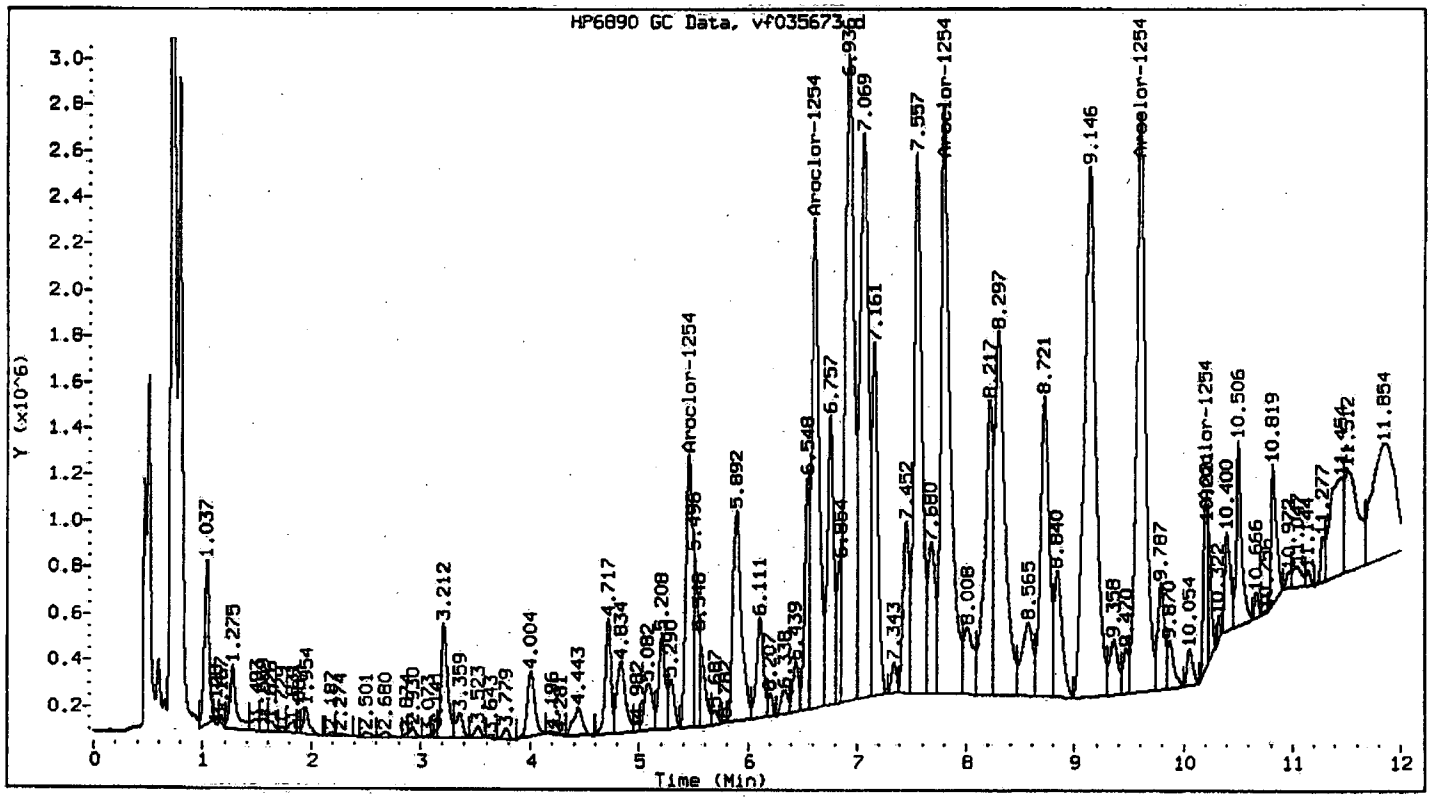
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	5.238	5.236	0.003	8126990	1473.376	313217.734
(2)		5.314	5.311	0.003	7681547	2001.972	425589.311
(3)		5.676	5.674	0.002	10664987	1504.447	319822.912
(4)		6.143	6.121	0.022	7191189	1378.133	292970.397
(5)		6.323	6.321	0.002	14185333	1382.749	293951.829
(6)		6.770	6.774	0.004	17352498	2390.055	508089.877
(7)		7.082	7.081	0.001	10852381	1391.827	295881.695
(8)		7.580	7.579	0.001	15801877	1633.362	347228.416

Average of peak concentrations: 350000.00

COMMENTS:

M - Compound response manually integrated.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035673.d Page 1
Report Date 04/01/2005 15:34



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/05Vf8082.m
Sample Info : 614677;2238397
Lab ID : 614677
Inj Date : 01-APR-2005 13:17
Operator : 460
Cpnd Sublist: PCB8082+

4/1/05

Inst ID : PESTGC9.i
Dil Factor : 250
Sample Matrix : SOIL
Sample Type: SAMPLE

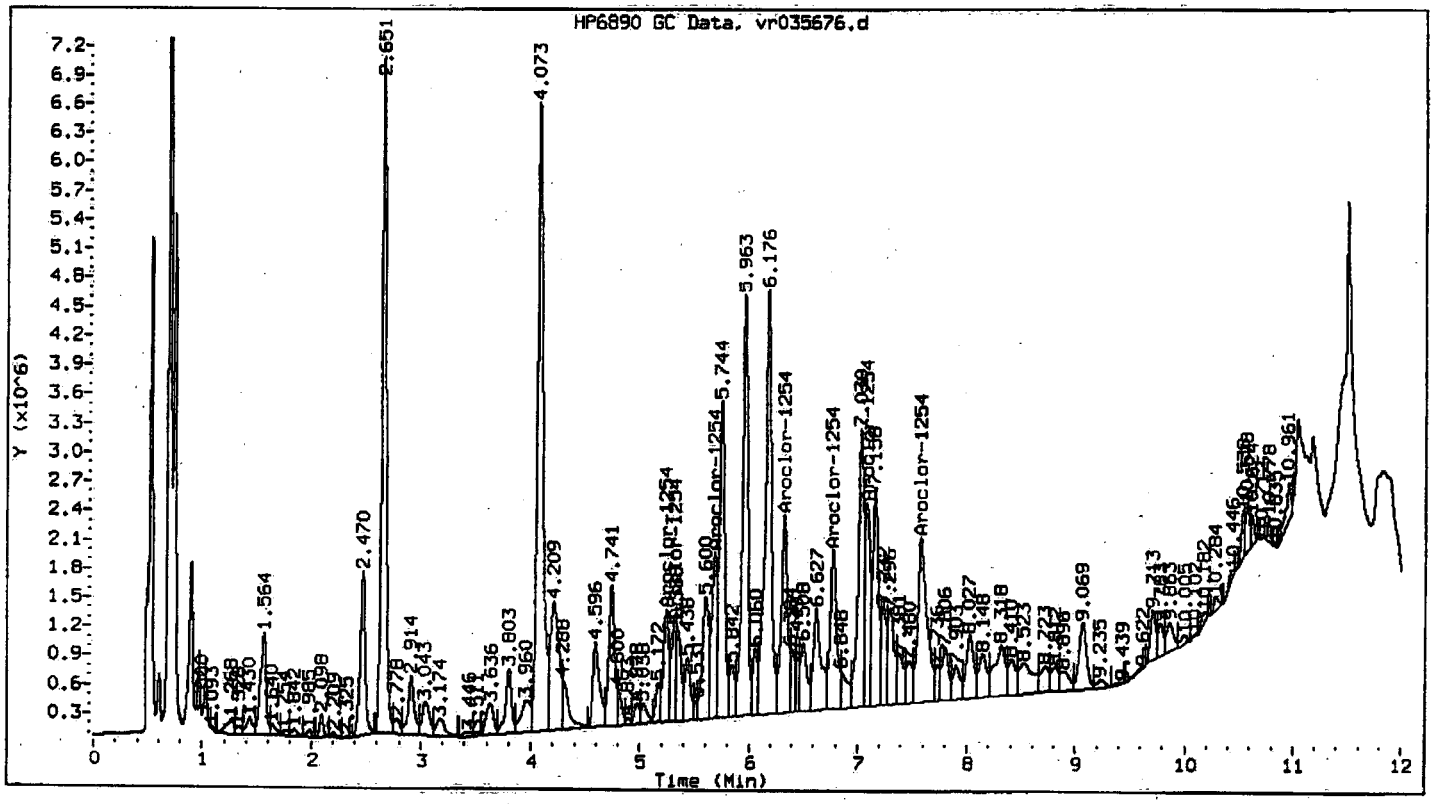
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	5.447	5.441	0.007	5070324	1168.433	248391.376
(2)		6.614	6.611	0.003	9979678	1456.408	309610.468
(3)		------	6.941	------	------	------	------ (*)
(4)		------	7.565	------	------	------	------ (*)
(5)		7.799	7.798	0.001	14669915	1685.495	358311.060
(6)		------	9.142	------	------	------	------ (*)
(7)		9.605	9.606	0.002	14261382	1862.937	396032.612
(8)		10.201	10.201	0.001	1786345	1876.951	399011.705

Average of peak concentrations: 340000.00

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035676.d Page 1
Report Date 04/01/2005 15:32



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/05Vr8082.m
Sample Info : 614679;2238493
Lab ID : 614679
Inj Date : 01-APR-2005 14:08
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

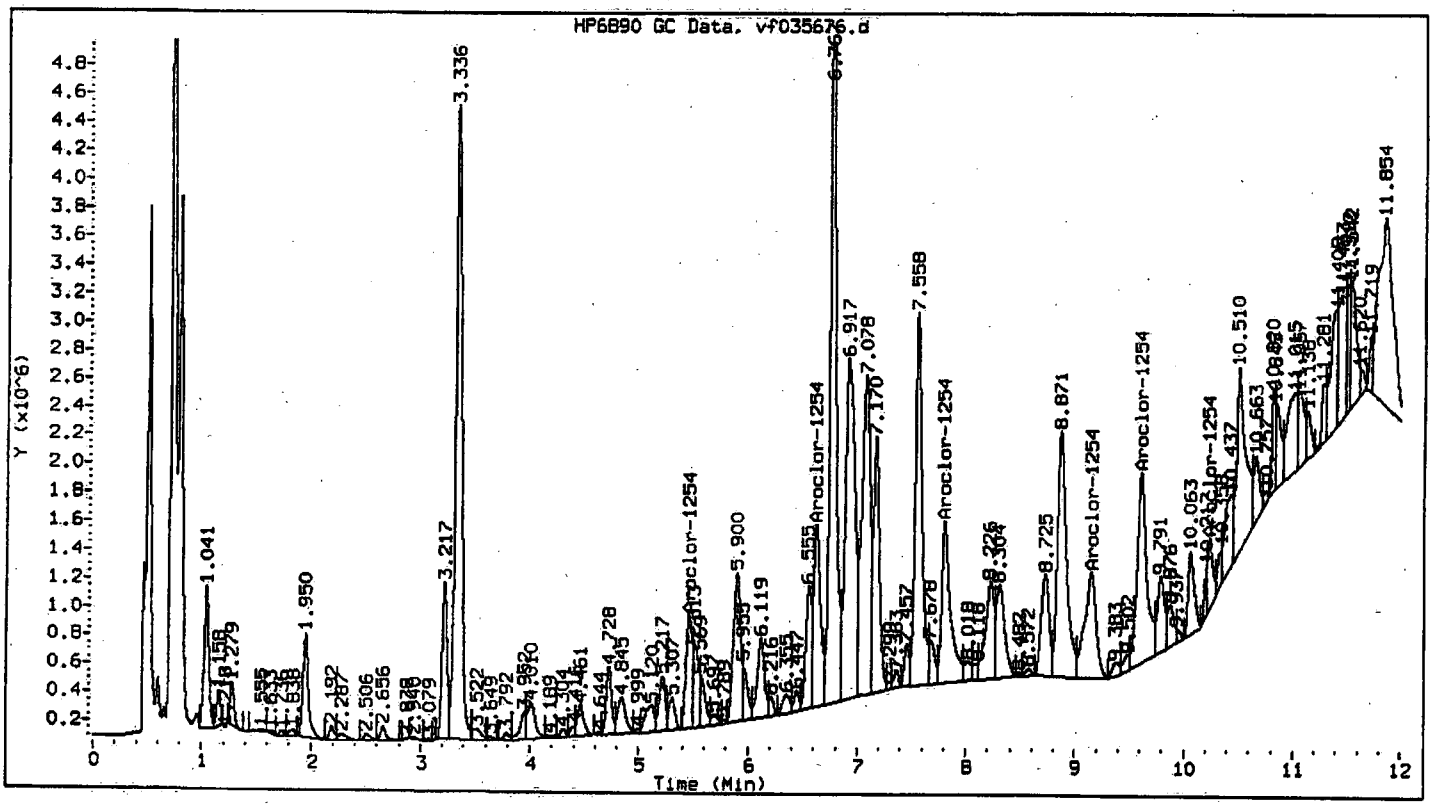
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	5.243	5.236	0.008	4097457	742.845	59666.283
(2)		5.321	5.311	0.010	3131416	816.113	65551.215
(3)		5.682	5.674	0.008	5281929	745.091	59846.639
(4)		------	6.121	------	------	------	------ (*)
(5)		6.327	6.321	0.006	8240673	803.279	64520.433
(6)		6.777	6.774	0.003	6809477	937.907	75333.867
(7)		7.083	7.081	0.002	6293123	807.099	64827.198
(8)		7.584	7.579	0.005	10022236	1035.949	83208.783

Average of peak concentrations: 68000.00

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035676.d Page 1
Report Date 04/01/2005 15:34



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/05Vf8082.m
Sample Info : 614679;2238493
Lab ID : 614679
Inj Date : 01-APR-2005 14:08
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

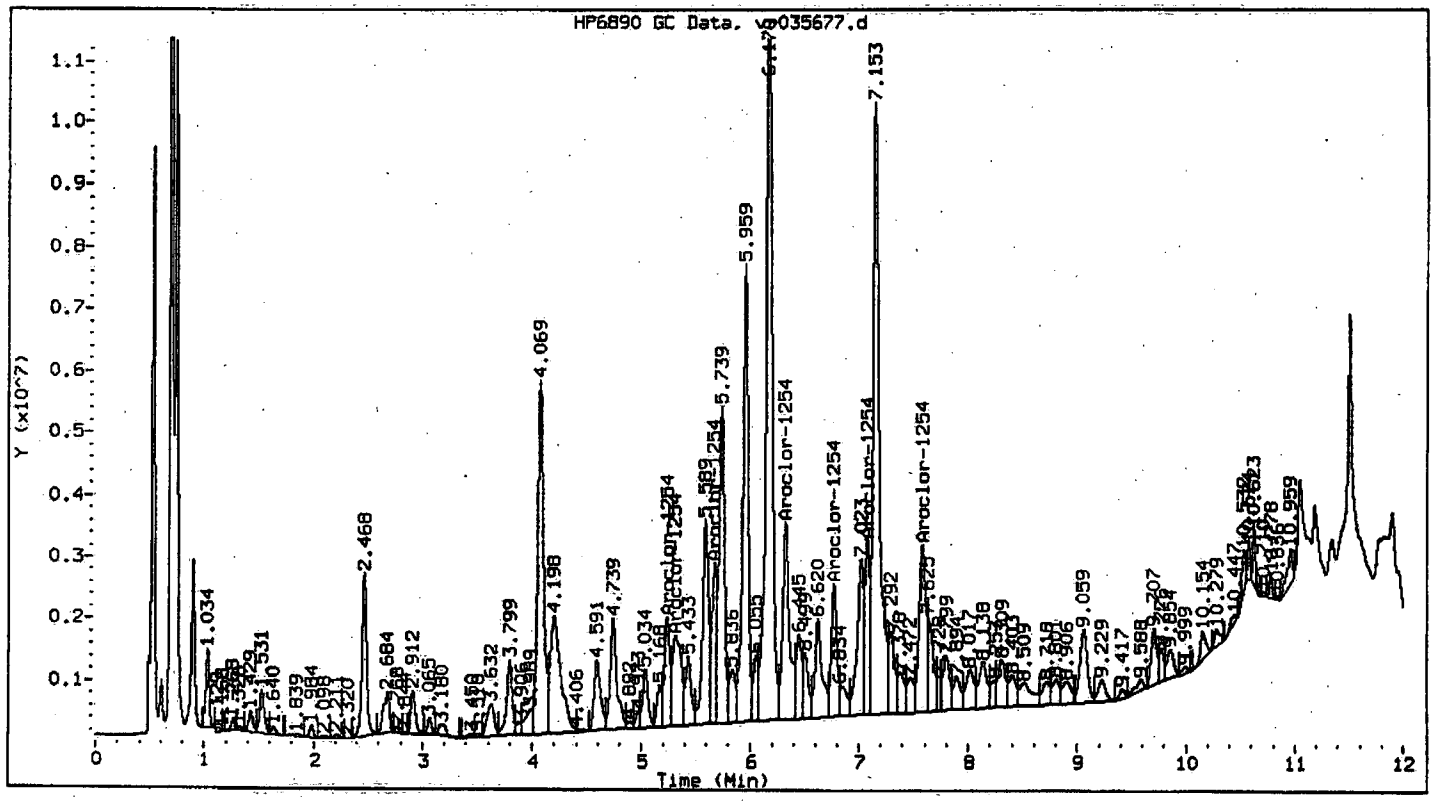
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	5.457	5.441	0.017	3149224	725.724	58291.109
(2)		6.624	6.611	0.013	6076945	886.853	71233.187
(3)		------	6.941	------	------	------	------ (*)
(4)		------	7.565	------	------	------	------ (*)
(5)		7.808	7.798	0.010	6511441	748.130	60090.759
(6)		9.156	9.142	0.014	5509016	1687.595	135549.770
(7)		9.613	9.606	0.007	8230939	1075.192	86360.805
(8)		10.241	10.201	0.039	1502944	1579.176	126841.409

Average of peak concentrations: 90000.00

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/vr035677.d Page 1
Report Date 04/01/2005 15:32



Method : /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05b.b/05Vr8082.m
Sample Info : 614678;2238445
Lab ID : 614678
Inj Date : 01-APR-2005 14:24
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 25
Sample Matrix : SOIL
Sample Type: SAMPLE

4/1/05

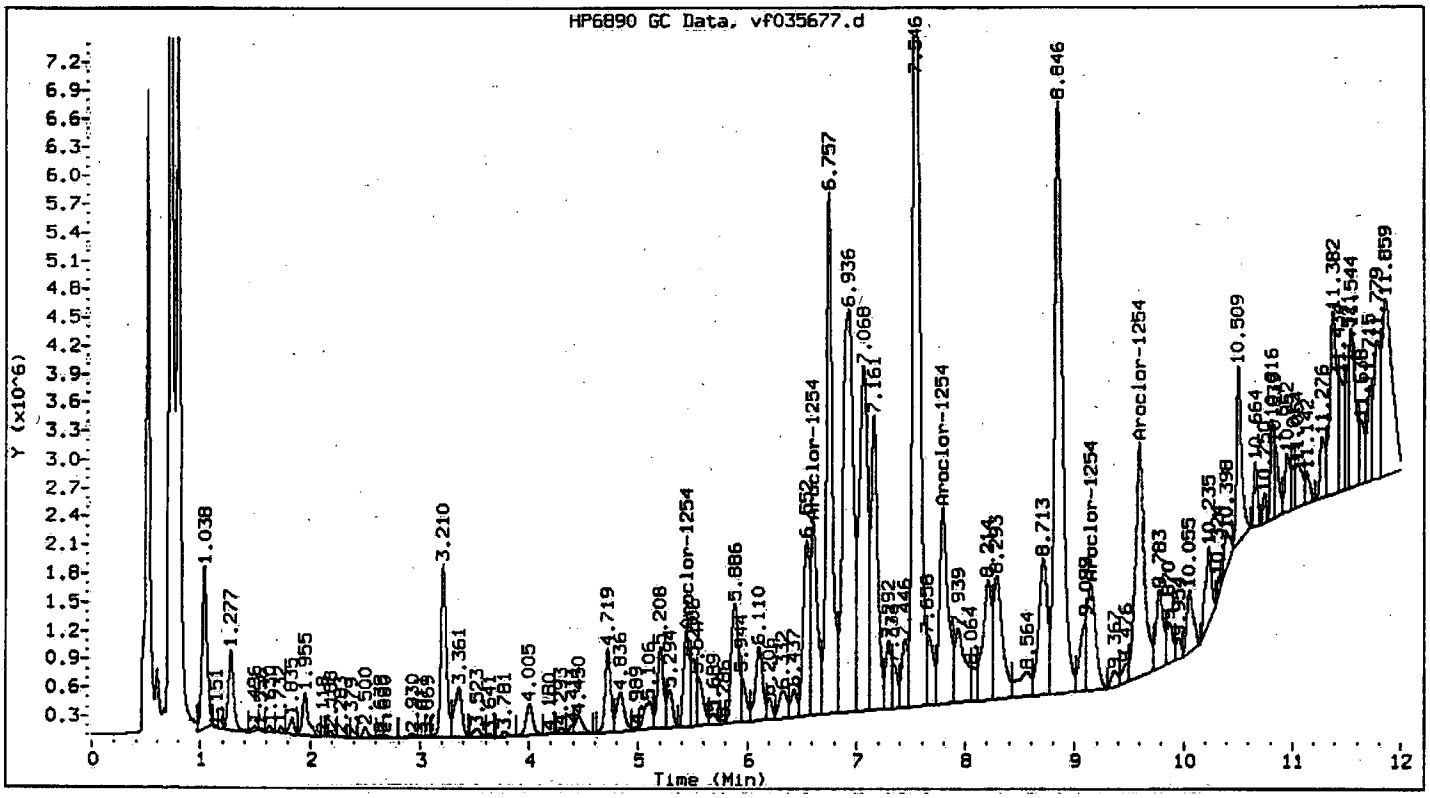
Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M)	5.238	5.236	0.002	6375307	1155.806	24261.256
(2)		5.314	5.311	0.003	8314984	2167.059	45488.226
(3)		5.675	5.674	0.001	7847409	1106.988	23236.520
(4)		------	6.121	------	------	------	------ (*)
(5)		6.321	6.321	0.000	13773740	1342.628	28182.796
(6)		6.773	6.774	0.001	8096010	1115.108	23406.967
(7)		7.079	7.081	0.002	8331692	1068.547	22429.616
(8)		7.578	7.579	0.001	11688038	1208.135	25359.679

Average of peak concentrations: 27000.00

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/vf035677.d Page 1
Report Date 04/01/2005 15:34



Method : /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05b.b/05Vf8082.m
Sample Info : 614678;2238445
Lab ID : 614678
Inj Date : 01-APR-2005 14:24
Operator : 460
Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i
Dil Factor : 25
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
Aroclor-1254	(M)	5.444	5.441	0.004	3849174	887.025	18619.324
(2)		6.614	6.611	0.002	9307201	1358.268	28511.086
(3)		------	6.941	------	------	------	------ (*)
(4)		------	7.565	------	------	------	------ (*)
(5)		7.796	7.798	0.002	11400914	1309.904	27495.894
(6)		9.145	9.142	0.003	6207908	1901.688	39917.894
(7)		9.602	9.606	0.004	14258700	1862.587	39097.126
(8)		------	10.201	------	------	------	------ (*)

Average of peak concentrations: 31000.00

COMMENTS:

* - Mutlicomponent peak not used in quantitation of compound.
M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05c.b/vr035679.d
Method: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05c.b/05Vr8082.m

Sample Information: 1660-1000C
Injection Date: 01-APR-2005 14:59

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.450	1000	1051.47	5.15
Aroclor-1016	2	2.920	1000	1011.74	1.17
Aroclor-1016	3	3.191	1000	1040.78	4.08
Aroclor-1016	4	3.630	1000	1060.01	6.00
Aroclor-1016	5	3.874	1000	1096.85	9.69
Aroclor-1016	6	3.981	1000	1049.86	4.99
Aroclor-1016	7	4.592	1000	1090.56	9.06
Aroclor-1016	8	4.737	1000	1129.41	12.94
Aroclor-1260	1	6.623	1000	1022.57	2.26
Aroclor-1260	2	7.083	1000	1050.64	5.06
Aroclor-1260	3	7.581	1000	1048.52	4.85
Aroclor-1260	4	7.804	1000	1070.09	7.01
Aroclor-1260	5	8.316	1000	1001.10	0.11
Aroclor-1260	6	9.709	1000	1003.49	0.35
Aroclor-1260	7	9.861	1000	1080.92	8.09
Aroclor-1260	8	10.539	1000	1046.52	4.65

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.985	100	109.19	9.19
Decachlorobiphenyl(sur	10.929	100	107.86	7.86

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05a.b/vr035648.d
Injection Date: 01-APR-2005 06:06

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Apr05/04-01-05/01apr05c.b/vr035679.d
Injection Date: 01-APR-2005 14:59

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.446	(2.376 - 2.516)	2.450	
	2.917	(2.847 - 2.987)	2.920	
	3.188	(3.118 - 3.258)	3.191	
	3.627	(3.557 - 3.697)	3.630	
	3.871	(3.801 - 3.941)	3.874	
	3.978	(3.909 - 4.048)	3.981	
	4.590	(4.520 - 4.660)	4.592	
	4.735	(4.665 - 4.805)	4.737	
Aroclor-1260	6.623	(6.553 - 6.693)	6.623	
	7.083	(7.013 - 7.153)	7.083	
	7.579	(7.509 - 7.649)	7.581	
	7.803	(7.734 - 7.874)	7.804	
	8.315	(8.245 - 8.385)	8.316	
	9.709	(9.639 - 9.778)	9.709	
	9.861	(9.791 - 9.931)	9.861	
	10.539	(10.469 - 10.609)	10.539	
Tetrachloro-m-xylene(surr)	1.981	(1.931 - 2.031)	1.985	
Decachlorobiphenyl(surr)	10.930	(10.830 - 11.030)	10.929	

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05c.b/vf035679.d
Method: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05c.b/05Vf8082.m

Sample Information: 1660-1000C
Injection Date: 01-APR-2005 14:59

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	3.238	1000	1117.67	11.77
Aroclor-1016	2	4.003	1000	1036.39	3.64
Aroclor-1016	3	4.442	1000	1092.29	9.23
Aroclor-1016	4	4.838	1000	1067.41	6.74
Aroclor-1016	5	5.081	1000	1089.91	8.99
Aroclor-1016	6	5.513	1000	1099.97	10.00
Aroclor-1016	7	5.903	1000	1102.00	10.20
Aroclor-1016	8	6.114	1000	997.60	0.24
Aroclor-1260	1	8.223	1000	1033.86	3.39
Aroclor-1260	2	8.728	1000	1032.10	3.21
Aroclor-1260	3	9.604	1000	1038.08	3.81
Aroclor-1260	4	9.784	1000	1074.75	7.47
Aroclor-1260	5	9.877	1000	1103.29	10.33
Aroclor-1260	6	10.243	1000	1040.15	4.01
Aroclor-1260	7	10.822	1000	1025.99	2.60
Aroclor-1260	8	11.275	1000	1105.16	10.52

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.503	100	111.81	11.81
Decachlorobiphenyl(sur	11.699	100	111.99	11.99

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05a.b/vf035648.d
Injection Date: 01-APR-2005 06:06

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Apr05/04-01-05/01apr05c.b/vf035679.d
Injection Date: 01-APR-2005 14:59

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	3.234	(3.164 - 3.304)	3.238	
	4.001	(3.931 - 4.071)	4.003	
	4.440	(4.370 - 4.510)	4.442	
	4.835	(4.765 - 4.905)	4.838	
	5.079	(5.008 - 5.149)	5.081	
	5.510	(5.440 - 5.580)	5.513	
	5.901	(5.831 - 5.971)	5.903	
	6.111	(6.041 - 6.181)	6.114	
Aroclor-1260	8.221	(8.151 - 8.291)	8.223	
	8.728	(8.658 - 8.798)	8.728	
	9.604	(9.534 - 9.674)	9.604	
	9.784	(9.713 - 9.854)	9.784	
	9.877	(9.807 - 9.947)	9.877	
	10.242	(10.172 - 10.312)	10.243	
	10.820	(10.750 - 10.890)	10.822	
	11.275	(11.205 - 11.345)	11.275	
Tetrachloro-m-xylene(surr)	2.500	(2.450 - 2.550)	2.503	
Decachlorobiphenyl(surr)	11.704	(11.604 - 11.804)	11.699	

Method 8151 (TCLP Herbicides) Results Summary

Client ID: **BBD-Roll-off-G1**
Site: BB&D Waste

Lab Sample ID: **614677**
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05
Date Prepped: 03/18/05
Date Extracted: 03/18/05
Date Analyzed: 03/20/05
Front File ID: zf076669.d
Rear File ID: zr076669.d

Leachate Volume: 15 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ORGANOCHLORINE HERBICIDES

Parameter	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Quantitation Limit Units: mg/l	Column
2,4-D	ND	10.0	0.080	R
2,4,5-TP (Silvex)	ND	1.0	0.080	R

Client ID: **BBD-Roll-off-G2**
Site: BB&D Waste

Lab Sample ID: **614678**
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05
Date Prepped: 03/18/05
Date Extracted: 03/18/05
Date Analyzed: 03/20/05
Front File ID: zf076670.d
Rear File ID: zr076670.d

Leachate Volume: 15 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ORGANOCHLORINE HERBICIDES

Parameter	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Quantitation Limit Units: mg/l	Column
2,4-D	ND	10.0	0.080	R
2,4,5-TP (Silvex)	ND	1.0	0.080	R

Client ID: **BBD-Roll-off-G3**
Site: BB&D Waste

Lab Sample ID: **614679**
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05
Date Prepped: 03/18/05
Date Extracted: 03/18/05
Date Analyzed: 03/20/05
Front File ID: zf076671.d
Rear File ID: zr076671.d

Leachate Volume: 15 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ORGANOCHLORINE HERBICIDES

Parameter	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Quantitation Limit Units: mg/l	Column
2,4-D	ND	10.0	0.080	R
2,4,5-TP (Silvex)	ND	1.0	0.080	R

QA Summary

GC ORGANICS SURROGATE RECOVERY

Matrix: LEACHATE Level: LOW Lab Job No: U855

	LABORATORY SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TOT OUT
01	THP077	104		0
02	614677	123		0
03	614678	127		0
04	614679	128		0
05				
06				
07				
08				
09				
10				
11				
12				
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23				
24				
25				
26				
27				
28				
29				
30				

S1 = DCAA (surr) ADVISORY QC LIMITS (27-129)

Column to be used to flag recovery values
* Values outside of advisory QC limits
D Surrogate diluted out
R Surrogate removed during H2SO4 cleanup procedure
** Not detected due to coeluting interference

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8151A

Matrix: LEACHATE

Level: LOW

Matrix Spike - Lab Sample No.: 614530

MS Sample from Lab Job No: U820

QA Batch: 2016

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
2,4-D	330	0.00	360	109	22-141
2,4,5-TP (Silvex)	130	0.00	160	123	39-171
2,4,5-T	130	0.00	180	138	30-170

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4-D	330	280	85	25	57	22-141
2,4,5-TP (Silvex)	130	140	108	13	54	39-171
2,4,5-T	130	140	108	25	55	30-170

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS:

GC BLANK SPIKE RECOVERY
METHOD 8151A

QA Batch: 2016

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
2,4-D	330	280	85	22-141
2,4,5-TP (Silvex)	130	150	115	39-171
2,4,5-T	130	160	123	30-170

Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 3 outside limits

LAB SAMPLE NO.

THP077

GC ORGANICS METHOD BLANK SUMMARY

Matrix: LEACHATE

Level: LOW

Instrument ID: PESTGC3

Date Analyzed: 03/20/05

Time Analyzed: 1316

Lab File ID: ZF076656

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BBD-Roll-off	614677	zf076669.d	03/20/05
02	BBD-Roll-off	614678	zf076670.d	03/20/05
03	BBD-Roll-off	614679	zf076671.d	03/20/05
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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16				
17				
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23				
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25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **THP077**
Site:

Lab Sample ID: **THP077**
Lab Job No: U855

Date Sampled: _____
Date Received: _____
Date Prepped: _____
Date Extracted: 03/18/05
Date Analyzed: 03/20/05
Front File ID: zf076656.d
Rear File ID: zr076656.d

Leachate Volume: 15 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ORGANOCHLORINE HERBICIDES

Parameter	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Quantitation Limit Units: mg/l	Column
2,4-D	ND	10.0	0.080	R
2,4,5-TP (Silvex)	ND	1.0	0.080	R
2,4,5-T	ND	-	0.080	R

Analytical Sequence

GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC3.i Column ID: DB-5 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
1	TCLP HERB-250a		zf076561.d	CALIB_1	03/16/05	0747
2	TCLP HERB-500a		zf076562.d	CALIB_2	03/16/05	0804
3	TCLP HERB-750a		zf076563.d	CALIB_3	03/16/05	0820
4	TCLP HERB-1500a		zf076564.d	CALIB_4	03/16/05	0836
5	TCLP HERB-3000a		zf076565.d	CALIB_5	03/16/05	0853
6	TCLPHERB-750a		zf076655.d	CCALIB_3	03/20/05	1300
7	THP077		zf076656.d	BLANK	03/20/05	1316
8	TCLPHERB-750b		zf076667.d	CCALIB_3	03/20/05	1634
9	614677	BBD-Roll-off-G	zf076669.d	SAMPLE	03/20/05	1707
10	614678	BBD-Roll-off-G	zf076670.d	SAMPLE	03/20/05	1723
11	614679	BBD-Roll-off-G	zf076671.d	SAMPLE	03/20/05	1740
12	TCLPHERB-750c		zf076673.d	CCALIB_3	03/20/05	1813

Raw Data

INITIAL CALIBRATION REPORT

(for databatch - /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b, as of 03/16/2005 09:08)

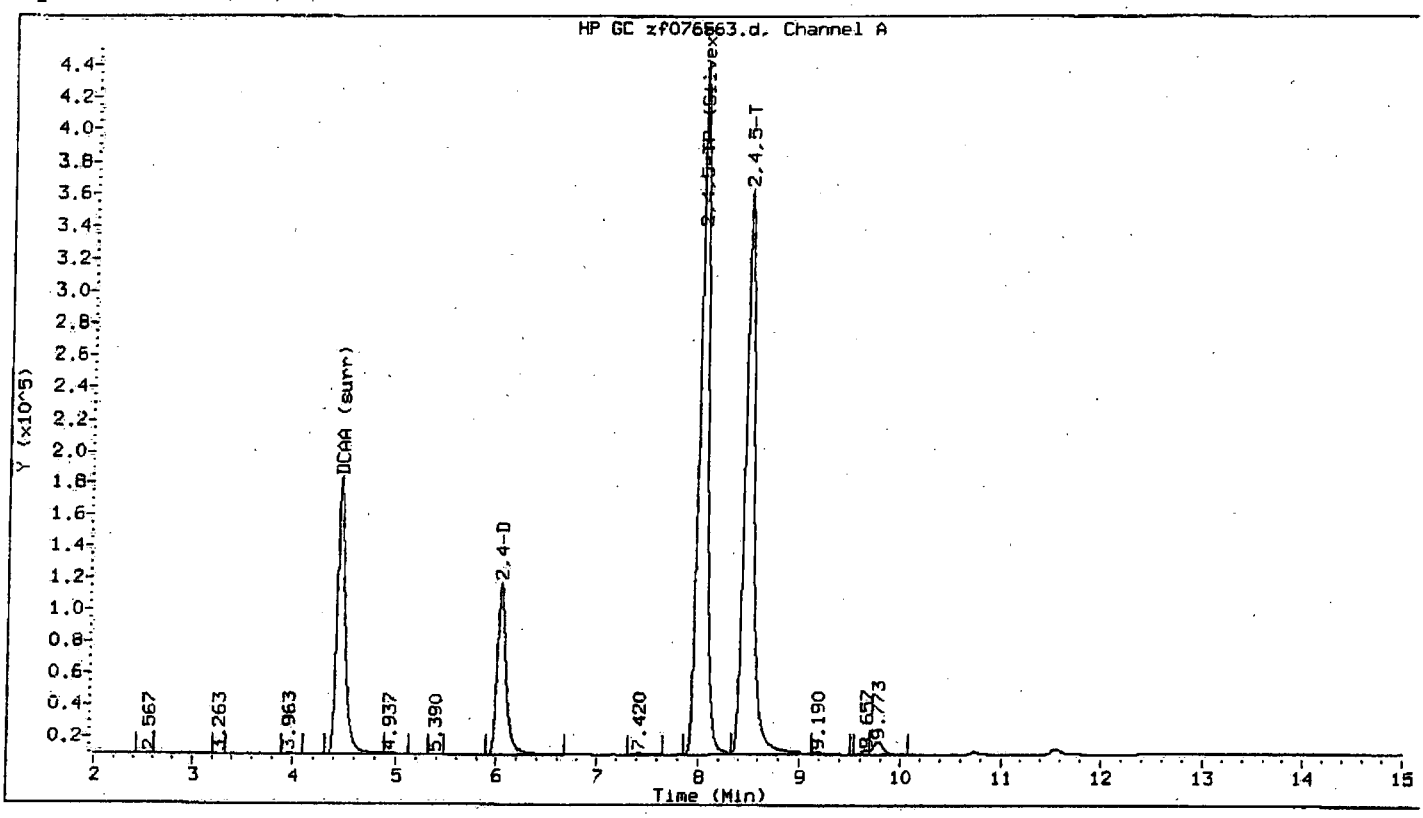
Calibration Files:

/chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076561.d
/chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076562.d
/chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076563.d
/chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076564.d
/chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076565.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Average RRF	%RSD
2,4-D	936.528	920.684	890.857	773.987	726.502	849.712	11.037
2,4,5-TP (Silvex)	3439.456	3514.660	3454.681	3054.228	2907.444	3274.094	8.373
2,4,5-T	3091.412	3135.412	3070.883	2696.978	2535.985	2906.134	9.341
DCAA (surr)	842.100	656.005	641.569	557.158	524.392	644.245	19.206

Total RSD Sum : 47.96
Total Number of Compounds: 4
Average of RSDs : 11.99

Data File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076563.d Page 1
Report Date 03/16/2005 09:11



Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/04ZfTCLPHERBS.m
Sample Info : TCLP HERB-750a
Lab ID : TCLP HERB-750a
Inj Date : 16-MAR-2005 08:20
Operator : 171
Cpnd Sublist: TCLPherb

Inst ID : PESTGC3.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2,4-D	6.030	6.030	0.000	668143	786.317	786.317
2,4,5-TP (Silvex)	8.003	8.003	0.000	2591011	791.367	791.367
2,4,5-T	8.467	8.467	0.000	2303162	792.518	792.518
DCAA (surr)	4.443	4.443	0.000	962353	1493.769	1493.769

CONTINUING CALIBRATION REPORT

(for databatch - /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05a.b, as of 03/20/2005 13:24)

Processing Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05a.b/04ZfTCLPHERBS.m

DataFile : zf076655.d

Compound	Curve Type	RRF/CONC	CCAL RF/CONC	% DIFF/DRIFT	MAX %DIFF/DRIFT
2,4-D	Averaged	849.712	902.226	6.180	15
2,4,5-TP (Silvex)	Averaged	3274.094	3513.421	7.310	15
2,4,5-T	Averaged	2906.134	3113.320	7.129	15
DCAA (surr)	Averaged	644.245	657.508	2.059	15

Total %D Sum : 22.68
Number of Compounds: 4
Avg of %Diffs : 5.67

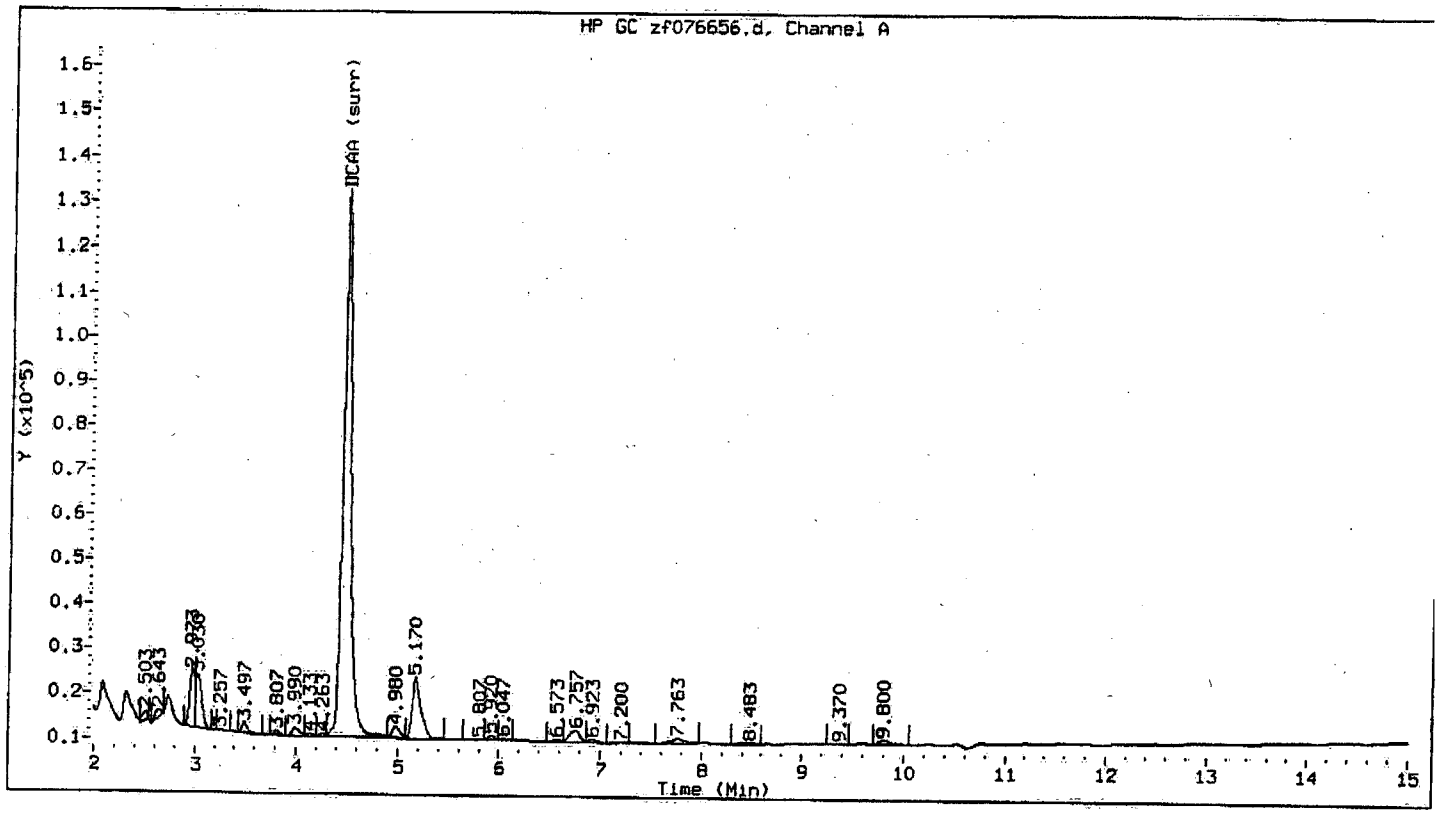
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC3.i

Midpoint Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076563.d
Injection Date: 16-MAR-2005 08:20

Continuing Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05a.b/zf076655.d
Injection Date: 20-MAR-2005 13:00

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
2,4-D	6.030	(5.980 - 6.080)	6.043	
2,4,5-TP (Silvex)	8.003	(7.953 - 8.053)	8.017	
2,4,5-T	8.467	(8.417 - 8.517)	8.480	
DCAA (surr)	4.443	(4.393 - 4.493)	4.453	



Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05a.b/04ZfTCLPHERBS.m
Sample Info : THP077;MB45832
Lab ID : THP077
Inj Date : 20-MAR-2005 13:16
Operator : 171
Cpnd Sublist: TCLPherb

Inst ID : PESTGC3.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
DCAA (surr)	4.460	4.453	0.007	671961	1043.021	347.674

CONTINUING CALIBRATION REPORT

(for databatch - /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b. as of 03/21/2005 07:47)

Processing Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/04ZfTCLPHERBS.m

DataFile : zf076667.d

Compound	Curve Type	RRF/CONC	CCAL RF/CONC	% DIFF/DRIFT	MAX %DIFF/DRIFT
2,4-D	Averaged	849.712	878.895	3.434	15
2,4,5-TP (Silvex)	Averaged	3274.094	3437.403	4.988	15
2,4,5-T	Averaged	2906.134	3053.254	5.062	15
DCAA (surr)	Averaged	644.245	641.034	0.498	15

Total %D Sum : 13.98
Number of Compounds: 4
Avg of %Diffs : 3.50

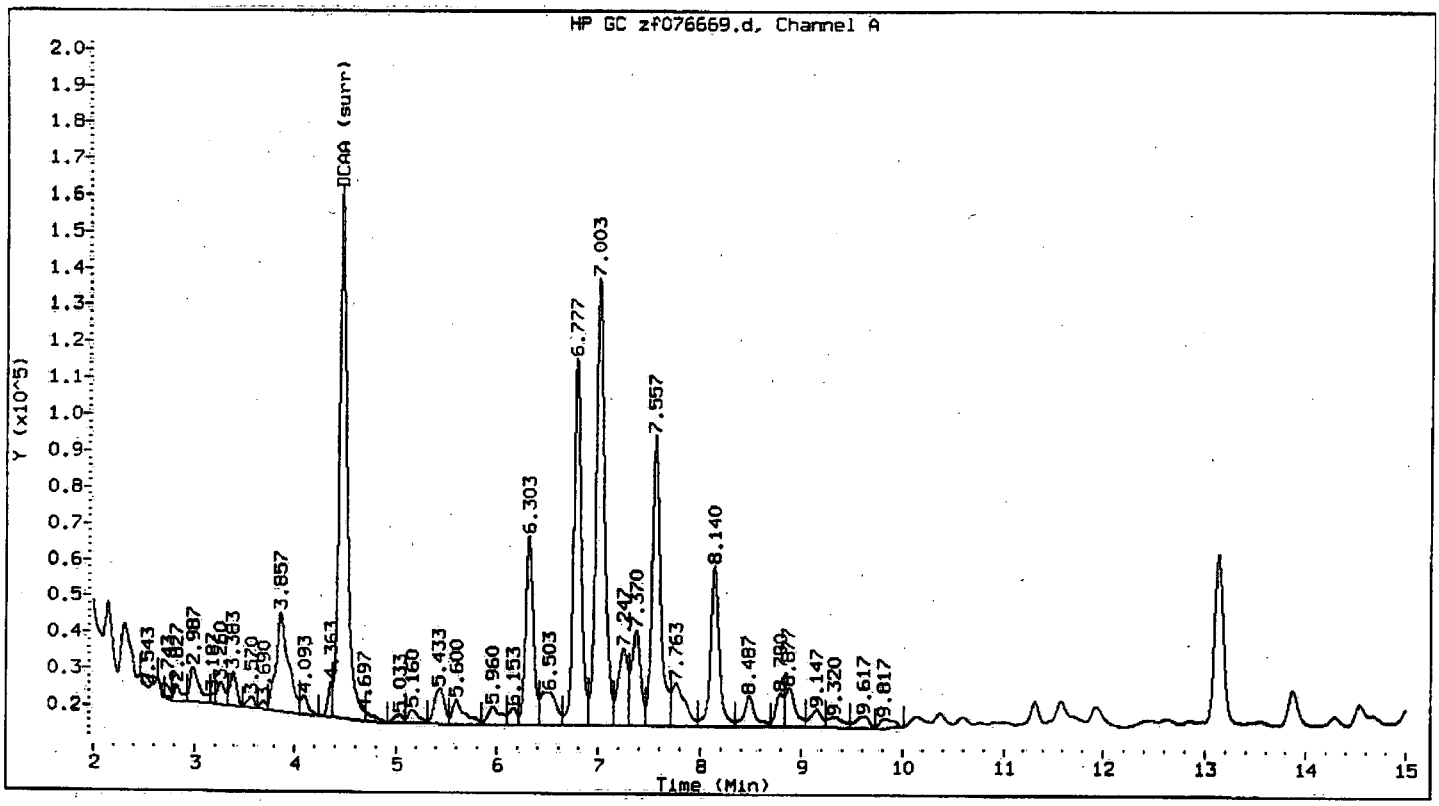
GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC3.i

Midpoint Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076563.d
Injection Date: 16-MAR-2005 08:20

Continuing Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/zf076667.d
Injection Date: 20-MAR-2005 16:34

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
2,4-D	6.030	(5.980 - 6.080)	6.050	
2,4,5-TP (Silvex)	8.003	(7.953 - 8.053)	8.023	
2,4,5-T	8.467	(8.417 - 8.517)	8.490	
DCAA (surr)	4.443	(4.393 - 4.493)	4.463	



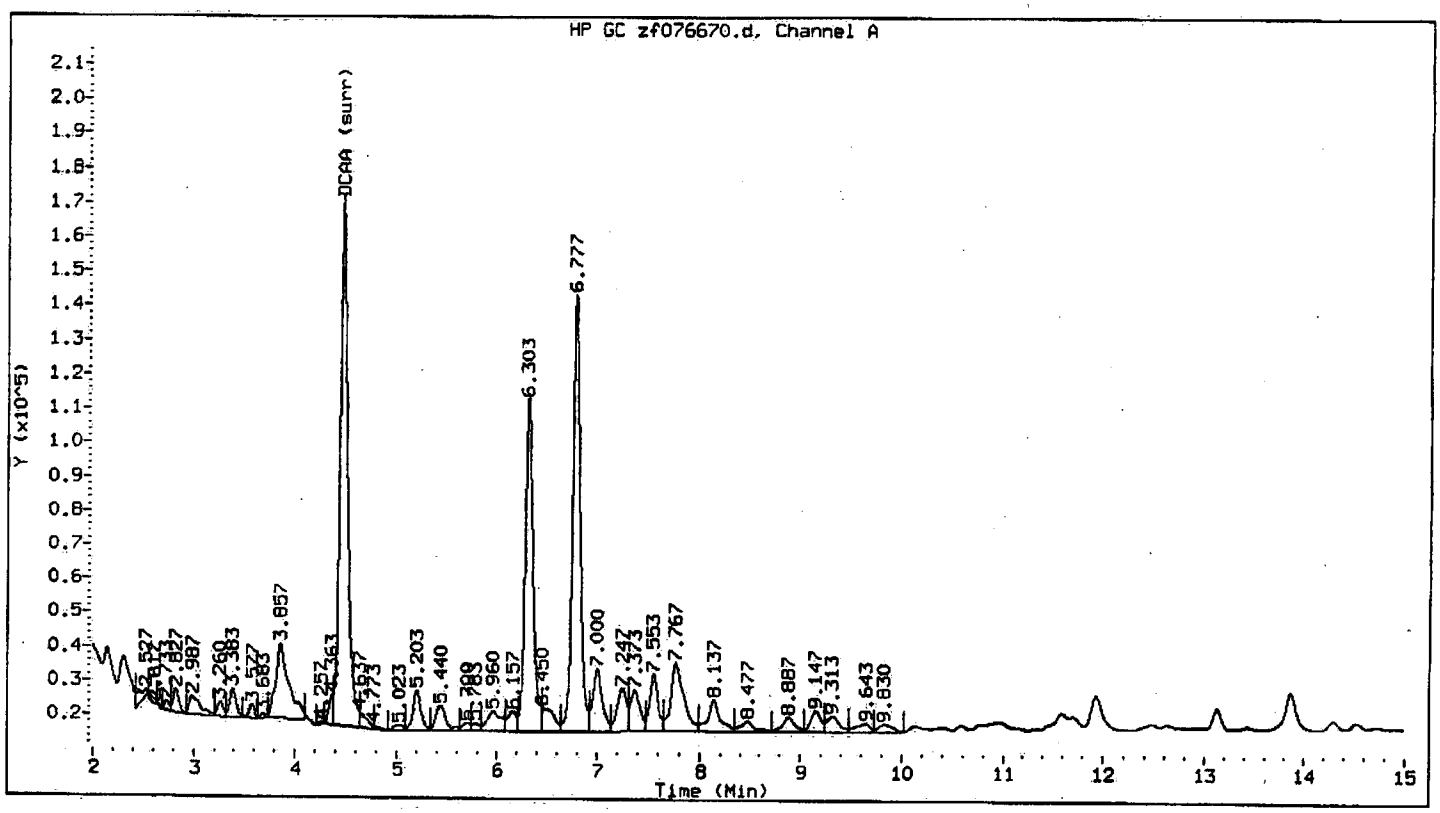
Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/04ZfTCLPHERBS.m
Sample Info : 614677;2238399
Lab ID : 614677
Inj Date : 20-MAR-2005 17:07
Operator : 171
Cpnd Sublist: DTPTCLPherb

Inst ID : PESTGC3.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
DCAA (surr)	(M)	4.460	4.463	0.003	792740	1230.495	410.165

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/04ZfTCLPHERBS.m
Sample Info : 614678;2238447
Lab ID : 614678
Inj Date : 20-MAR-2005 17:23
Operator : 171
Cpnd Sublist: DTPTCLPherb

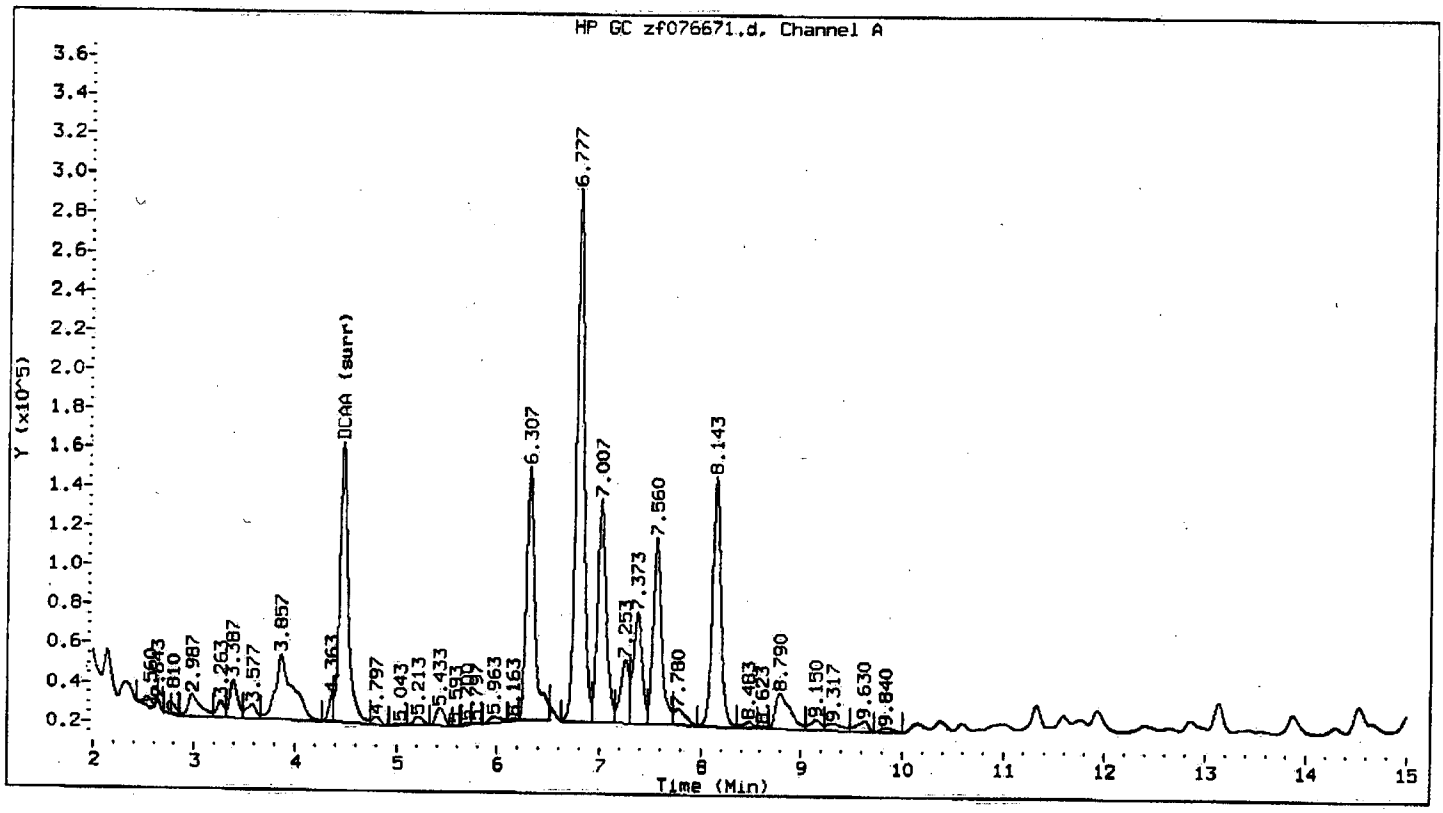
Inst ID : PESTGC3.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: SAMPLE

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
DCAA (surr)	(M)	4.460	4.463	0.003	820156	1273.050	424.350

COMMENTS:

M - Compound response manually integrated.

Data File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/zf076671.d Page 1
Report Date 03/21/2005 08:37



Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05b.b/04ZfTCLPHERBS.m
Sample Info : 614679;2238495
Lab ID : 614679
Inj Date : 20-MAR-2005 17:40
Operator : 171 3/21/05
Cpnd Sublist: DTPTCLPherb

Inst ID : PESTGC3.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
DCAA (surr)	4.460	4.463	0.003	825903	1281.971	427.324

CONTINUING CALIBRATION REPORT

(for databatch - /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05c.b, as of 03/21/2005 08:00)

Processing Method : /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05c.b/04ZfTCLPHERBS.m

DataFile : zf076673.d

Compound	Curve Type	RRF/CONC	CCAL RF/CONC	% DIFF/DRIFT	MAX %DIFF/DRIFT
2,4-D	Averaged	849.712	903.324	6.309	15
2,4,5-TP (Silvex)	Averaged	3274.094	3403.639	3.957	15
2,4,5-T	Averaged	2906.134	3000.575	3.250	15
DCAA (surr)	Averaged	644.245	641.093	0.489	15

Total %D Sum : 14.00
Number of Compounds: 4
Avg of %Diffs : 3.50

GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC3.i

Midpoint Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-16-05/16mar05a.b/zf076563.d
Injection Date: 16-MAR-2005 08:20

Continuing Calibration File: /chem1/PESTGC3.i/TCLPHERBS/front/Mar05/03-20-05/20mar05c.b/zf076673.d
Injection Date: 20-MAR-2005 18:13

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
2,4-D	6.030	(5.980 - 6.080)	6.053	
2,4,5-TP (Silvex)	8.003	(7.953 - 8.053)	8.027	
2,4,5-T	8.467	(8.417 - 8.517)	8.493	
DCAA (surr)	4.443	(4.393 - 4.493)	4.463	

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Metals Forms and Data

Analytical Results Summary

Client ID: **BBD-Roll-off-G1**
Site: **BB&D Waste**

Lab Sample No: 614677
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: SOLID
Level: LOW
% Moisture: 21.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	6990	19.7		P
Antimony	96.2	2.5	N	P
Arsenic	20.3	0.89		P
Barium	2960	0.33		P
Beryllium	0.24	0.026	B	P
Cadmium	51.5	0.26		P
Calcium	18400	19.0		P
Chromium	1020	1.8		P
Cobalt	338	0.89		P
Copper	950	0.79		P
Iron	97400	25.3		P
Lead	6240	1.4		P
Magnesium	4140	17.9		P
Manganese	840	0.74		P
Mercury	15.3	0.21		CV
Nickel	137	0.99		P
Potassium	464	27.1	B	P
Selenium	ND	6.0		P
Silver	4.7	0.20		P
Sodium	371	92.1	B	P
Thallium	2.2	1.1	B	P
Vanadium	31.6	0.38		P
Zinc	3210	7.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BBD-Roll-off-G1**
Site: **BB&D Waste**

Lab Sample No: 614677
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: LEACHATE
Level: LOW

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

METALS ANALYSIS

Analyte	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Instrument Detection Limit	Qual	M
Arsenic	ND	5.0	0.024		P
Barium	1.3	100.0	0.0075		P
Cadmium	0.26	1.0	0.0030		P
Chromium	0.07	5.0	0.0095		P
Lead	6.1	5.0	0.013		P
Mercury	ND	0.2	0.00010		CV
Selenium	ND	1.0	0.049		P
Silver	ND	5.0	0.013		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BBD-Roll-off-G2**
Site: **BB&D Waste**

Lab Sample No: 614678
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: SOLID
Level: LOW
% Moisture: 20.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	7030	19.5		P
Antimony	71.4	2.5	N	P
Arsenic	21.7	0.88		P
Barium	2120	0.33		P
Beryllium	0.26	0.025	B	P
Cadmium	56.7	0.25		P
Calcium	12600	18.8		P
Chromium	916	1.8		P
Cobalt	186	0.88		P
Copper	896	0.78		P
Iron	119000	25.0		P
Lead	5650	1.4		P
Magnesium	3210	17.6		P
Manganese	1010	0.73		P
Mercury	19.5	0.42		CV
Nickel	178	0.98		P
Potassium	453	26.8	B	P
Selenium	ND	5.9		P
Silver	4.2	0.20		P
Sodium	340	90.9	B	P
Thallium	ND	1.1		P
Vanadium	33.4	0.38		P
Zinc	3580	7.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BBD-Roll-off-G2**
Site: **BB&D Waste**

Lab Sample No: 614678
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: LEACHATE
Level: LOW

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

METALS ANALYSIS

Analyte	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Instrument Detection Limit	Qual	M
Arsenic	ND	5.0	0.024		P
Barium	1.3	100.0	0.0075		P
Cadmium	0.31	1.0	0.0030		P
Chromium	0.06	5.0	0.0095		P
Lead	5.7	5.0	0.013		P
Mercury	ND	0.2	0.00010		CV
Selenium	ND	1.0	0.025		P
Silver	ND	5.0	0.013		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BBD-Roll-off-G3**
Site: **BB&D Waste**

Lab Sample No: 614679
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: SOLID
Level: LOW
% Moisture: 17.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8380	18.7		P
Antimony	77.0	2.3	N	P
Arsenic	33.4	0.84		P
Barium	3190	0.31		P
Beryllium	0.49	0.024		P
Cadmium	55.7	0.24		P
Calcium	15800	18.0		P
Chromium	1010	1.7		P
Cobalt	124	0.84		P
Copper	1320	0.75		P
Iron	101300	23.9		P
Lead	6200	1.3		P
Magnesium	3550	16.9		P
Manganese	884	0.70		P
Mercury	16.6	0.40		CV
Nickel	171	0.94		P
Potassium	477	25.6	B	P
Selenium	ND	11.3		P
Silver	3.4	0.19		P
Sodium	424	87.0	B	P
Thallium	ND	1.1		P
Vanadium	35.2	0.36		P
Zinc	3890	7.0		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **BBD-Roll-off-G3**
Site: **BB&D Waste**

Lab Sample No: 614679
Lab Job No: U855

Date Sampled: 03/14/05
Date Received: 03/14/05

Matrix: LEACHATE
Level: LOW

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

METALS ANALYSIS

Analyte	Analytical Result Units: mg/l	Regulatory Level Units: mg/l	Instrument Detection Limit	Qual	M
Arsenic	ND	5.0	0.024		P
Barium	1.0	100.0	0.0075		P
Cadmium	0.39	1.0	0.0030		P
Chromium	0.16	5.0	0.0095		P
Lead	11.0	5.0	0.013		P
Mercury	ND	0.2	0.00010		CV
Selenium	ND	1.0	0.049		P
Silver	ND	5.0	0.013		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	77.4	U	77.4	U	77.4	U	77.4	U	7.743	U	P
Antimony	3.9	U	3.9	U	3.9	U	3.9	U	0.390	U	P
Arsenic	4.4	B	3.5	U	3.5	U	3.5	U	0.350	U	P
Barium	1.7	B	1.3	U	1.6	B	1.3	U	0.130	U	P
Beryllium	0.3	B	0.2	B	0.2	B	0.3	B	0.011	U	P
Cadmium	0.4	B	0.4	U	0.4	B	0.5	B	0.040	U	P
Calcium	74.5	U	74.5	U	74.5	U	74.5	U	7.450	U	P
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Cobalt	3.5	U	3.5	U	3.5	U	3.5	U	0.350	U	P
Copper	3.5	B	6.2	B	3.2	B	3.3	B	0.310	U	P
Iron	39.7	U	39.7	U	39.7	U	39.7	U	3.970	U	P
Lead	2.2	U	3.5	B	2.5	B	2.2	U	0.220	U	P
Magnesium	70.0	U	70.0	U	70.0	U	70.0	U	7.000	U	P
Manganese	2.9	U	2.9	U	2.9	U	2.9	U	0.290	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	0.390	U	P
Potassium	106.2	U	106.2	U	106.2	U	106.2	U	10.620	U	P
Selenium	4.7	U	4.7	U	4.7	U	4.7	U	0.470	U	P
Silver	0.8	U	0.8	U	0.8	U	0.8	U	0.080	U	P
Sodium	361.0	U	361.0	U	361.0	U	361.0	U	36.100	U	P
Thallium	4.5	B	4.4	U	4.4	U	4.4	U	0.440	U	P
Vanadium	1.5	U	1.5	U	1.5	U	1.5	U	0.150	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	0.580	U	P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			77.4	U							P
Antimony			3.9	U							P
Arsenic			3.5	U							P
Barium			1.8	B							P
Beryllium			0.3	B							P
Cadmium			0.4	B							P
Calcium			74.5	U							P
Chromium			2.8	U							P
Cobalt			3.5	U							P
Copper			3.1	U							P
Iron			39.7	U							P
Lead			2.2	U							P
Magnesium			70.0	U							P
Manganese			2.9	U							P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			3.9	U							P
Potassium			106.2	U							P
Selenium			4.7	U							P
Silver			0.8	U							P
Sodium			361.0	U							P
Thallium			4.4	U							P
Vanadium			1.5	U							P
Zinc			5.8	U							P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	77.4	U	77.4	U	77.4	U	77.4	U			P
Antimony	3.9	U	3.9	U	3.9	U	3.9	U			P
Arsenic	3.5	U	3.5	U	3.5	U	3.5	U			P
Barium	1.3	U	1.3	U	1.3	U	1.3	U			P
Beryllium	0.2	B	0.1	U	-0.1	B	0.1	U			P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U			P
Calcium	74.5	U	74.5	U	74.5	U	74.5	U			P
Chromium	2.8	U	2.8	U	2.8	U	2.8	U			P
Cobalt	3.5	U	3.5	U	3.5	U	3.5	U			P
Copper	3.1	U	3.1	U	3.1	U	3.1	U			P
Iron	39.7	U	39.7	U	39.7	U	39.7	U			P
Lead	2.5	B	2.2	U	2.2	U	2.2	U			P
Magnesium	70.0	U	70.0	U	70.0	U	70.0	U			P
Manganese	2.9	U	2.9	U	2.9	U	2.9	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U			P
Potassium	106.2	U	106.2	U	106.2	U	106.2	U			P
Selenium	4.7	U	4.7	U	4.7	U	4.7	U			P
Silver	0.8	U	0.8	U	0.8	U	0.8	U			P
Sodium	361.0	U	361.0	U	361.0	U	361.0	U			P
Thallium	4.4	U	4.4	U	4.4	U	4.4	U			P
Vanadium	1.5	U	1.5	U	1.5	U	1.5	U			P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			77.4	U	77.9	B					P
Antimony			3.9	U	3.9	U					P
Arsenic			3.5	U	3.5	U					P
Barium			1.3	U	1.3	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.4	U	0.4	U					P
Calcium			74.5	U	74.5	U					P
Chromium			2.8	U	2.8	U					P
Cobalt			3.5	U	3.5	U					P
Copper			3.1	U	3.1	U					P
Iron			39.7	U	39.7	U					P
Lead			2.2	U	2.2	U					P
Magnesium			70.0	U	70.0	U					P
Manganese			2.9	U	2.9	U					P
Mercury			0.1	U							CV
Nickel			3.9	U	3.9	U					P
Potassium			106.2	U	106.2	U					P
Selenium			4.7	U	4.7	U					P
Silver			0.8	U	0.8	U					P
Sodium			361.0	U	361.0	U					P
Thallium			4.4	U	4.4	U					P
Vanadium			1.5	U	1.5	U					P
Zinc			5.8	U	5.8	U					P
Molybdenu											NR

BLANKS

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	3.9	U	3.9	U	3.9	U	3.9	U			P
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium	0.8	B	0.4	U	0.4	U	0.4	U			P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U			P
Cobalt											NR
Copper											NR
Iron	39.7	U	39.7	U	39.7	U	39.7	U			P
Lead	2.2	U	2.2	U	2.2	U	2.2	U			P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium	4.7	U	4.7	U	4.7	U	4.7	U			P
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	125000.0	124918.9	99.9	125000.0	124836.2	99.9	125234.7	100.2	P
Antimony	1000.0	994.22	99.4	1000.0	989.44	98.9	981.73	98.2	P
Arsenic	5000.0	4993.66	99.9	5000.0	5002.51	100.1	4905.83	98.1	P
Barium	10000.0	9982.51	99.8	10000.0	10088.66	100.9	10156.39	101.6	P
Beryllium	1000.0	986.68	98.7	1000.0	983.02	98.3	957.47	95.7	P
Cadmium	2500.0	2476.04	99.0	2500.0	2464.04	98.6	2398.31	95.9	P
Calcium	125000.0	123599.0	98.9	125000.0	122801.6	98.2	119459.7	95.6	P
Chromium	5000.0	4942.20	98.8	5000.0	4921.24	98.4	4806.88	96.1	P
Cobalt	2500.0	2472.40	98.9	2500.0	2456.53	98.3	2404.14	96.2	P
Copper	12500.0	12499.20	100.0	12500.0	12529.62	100.2	12568.97	100.6	P
Iron	100000.0	97952.34	98.0	100000.0	97623.80	97.6	95416.10	95.4	P
Lead	10000.0	9801.50	98.0	10000.0	9802.64	98.0	9632.00	96.3	P
Magnesium	125000.0	124604.2	99.7	125000.0	124866.6	99.9	125033.3	100.0	P
Manganese	5000.0	4934.66	98.7	5000.0	4904.18	98.1	4813.61	96.3	P
Mercury	5.0	4.79	95.8	5.0	4.93	98.6	4.57	91.4	CV
Nickel	2500.0	2464.53	98.6	2500.0	2458.35	98.3	2409.14	96.4	P
Potassium	50000.0	50266.89	100.5	50000.0	50493.47	101.0	51523.64	103.0	P
Selenium	5000.0	4895.66	97.9	5000.0	4892.89	97.9	4839.65	96.8	P
Silver	1250.0	1241.28	99.3	1250.0	1243.32	99.5	1240.18	99.2	P
Sodium	125000.0	124438.6	99.6	125000.0	124640.7	99.7	125663.6	100.5	P
Thallium	5000.0	4952.32	99.0	5000.0	4940.35	98.8	4873.68	97.5	P
Vanadium	2500.0	2485.04	99.4	2500.0	2481.24	99.2	2436.22	97.4	P
Zinc	2500.0	2439.56	97.6	2500.0	2420.16	96.8	2308.19	92.3	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	124744.9	99.8	126553.5	101.2	P
Antimony				1000.0	994.55	99.5	997.52	99.8	P
Arsenic				5000.0	4971.74	99.4	5023.61	100.5	P
Barium				10000.0	10193.91	101.9	10208.20	102.1	P
Beryllium				1000.0	975.05	97.5	990.32	99.0	P
Cadmium				2500.0	2450.82	98.0	2495.57	99.8	P
Calcium				125000.0	121571.7	97.3	124423.8	99.5	P
Chromium				5000.0	4869.45	97.4	4969.36	99.4	P
Cobalt				2500.0	2443.90	97.8	2486.98	99.5	P
Copper				12500.0	12524.01	100.2	12649.87	101.2	P
Iron				100000.0	96921.06	96.9	98616.46	98.6	P
Lead				10000.0	9782.35	97.8	9918.35	99.2	P
Magnesium				125000.0	124778.0	99.8	125996.9	100.8	P
Manganese				5000.0	4873.61	97.5	4970.80	99.4	P
Mercury				5.0	4.82	96.4	4.89	97.8	CV
Nickel				2500.0	2451.82	98.1	2483.96	99.4	P
Potassium				50000.0	51010.00	102.0	51063.63	102.1	P
Selenium				5000.0	4915.91	98.3	4889.82	97.8	P
Silver				1250.0	1240.68	99.3	1240.84	99.3	P
Sodium				125000.0	125626.1	100.5	125932.3	100.7	P
Thallium				5000.0	4910.37	98.2	4985.61	99.7	P
Vanadium				2500.0	2452.74	98.1	2508.65	100.3	P
Zinc				2500.0	2377.91	95.1	2429.22	97.2	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	125000.0	124039.0	99.2	125000.0	125551.5	100.4	125974.3	100.8	P
Antimony	1000.0	996.63	99.7	1000.0	1006.14	100.6	989.01	98.9	P
Arsenic	5000.0	5058.53	101.2	5000.0	5088.30	101.8	5007.64	100.2	P
Barium	10000.0	9937.74	99.4	10000.0	10138.96	101.4	10124.65	101.2	P
Beryllium	1000.0	1006.43	100.6	1000.0	989.60	99.0	992.35	99.2	P
Cadmium	2500.0	2530.75	101.2	2500.0	2499.26	100.0	2476.08	99.0	P
Calcium	125000.0	126411.6	101.1	125000.0	122838.5	98.3	124110.1	99.3	P
Chromium	5000.0	5026.27	100.5	5000.0	4941.34	98.8	4946.53	98.9	P
Cobalt	2500.0	2511.93	100.5	2500.0	2484.45	99.4	2464.35	98.6	P
Copper	12500.0	12365.14	98.9	12500.0	12664.28	101.3	12587.65	100.7	P
Iron	100000.0	99653.19	99.7	100000.0	98326.78	98.3	98397.34	98.4	P
Lead	10000.0	10028.14	100.3	10000.0	9924.55	99.2	9902.34	99.0	P
Magnesium	125000.0	123900.9	99.1	125000.0	125553.6	100.4	125986.3	100.8	P
Manganese	5000.0	4991.72	99.8	5000.0	4920.22	98.4	4918.55	98.4	P
Mercury				5.0	4.83	96.6	4.81	96.2	CV
Nickel	2500.0	2507.69	100.3	2500.0	2485.03	99.4	2475.03	99.0	P
Potassium	50000.0	50174.30	100.3	50000.0	50329.63	100.7	52541.54	105.1	P
Selenium	5000.0	4996.19	99.9	5000.0	5029.58	100.6	4959.72	99.2	P
Silver	1250.0	1240.73	99.3	1250.0	1246.37	99.7	1248.09	99.8	P
Sodium	125000.0	123120.3	98.5	125000.0	124568.9	99.7	126401.5	101.1	P
Thallium	5000.0	5007.40	100.1	5000.0	5018.63	100.4	4936.90	98.7	P
Vanadium	2500.0	2497.64	99.9	2500.0	2491.73	99.7	2478.84	99.2	P
Zinc	2500.0	2526.76	101.1	2500.0	2430.46	97.2	2434.06	97.4	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	125311.7	100.2	126348.8	101.1	P
Antimony				1000.0	1001.86	100.2	997.67	99.8	P
Arsenic				5000.0	5084.68	101.7	5037.95	100.8	P
Barium				10000.0	10111.02	101.1	10198.96	102.0	P
Beryllium				1000.0	1007.15	100.7	999.92	100.0	P
Cadmium				2500.0	2527.69	101.1	2497.30	99.9	P
Calcium				125000.0	125944.2	100.8	125253.0	100.2	P
Chromium				5000.0	4982.24	99.6	4968.51	99.4	P
Cobalt				2500.0	2487.30	99.5	2469.63	98.8	P
Copper				12500.0	12464.57	99.7	12595.75	100.8	P
Iron				100000.0	99713.00	99.7	99538.47	99.5	P
Lead				10000.0	9998.95	100.0	9980.02	99.8	P
Magnesium				125000.0	125331.2	100.3	126505.4	101.2	P
Manganese				5000.0	4943.18	98.9	4928.56	98.6	P
Mercury				5.0	4.83	96.6	4.77	95.4	CV
Nickel				2500.0	2513.40	100.5	2497.93	99.9	P
Potassium				50000.0	51523.39	103.0	52686.66	105.4	P
Selenium				5000.0	5012.53	100.3	4948.26	99.0	P
Silver				1250.0	1250.40	100.0	1256.18	100.5	P
Sodium				125000.0	125032.8	100.0	127138.1	101.7	P
Thallium				5000.0	5000.39	100.0	4965.24	99.3	P
Vanadium				2500.0	2483.61	99.3	2483.39	99.3	P
Zinc				2500.0	2498.84	100.0	2452.22	98.1	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: U855 Batch No.: 18060_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	125068.0	100.1			P
Antimony				1000.0	993.33	99.3			P
Arsenic				5000.0	5072.71	101.5			P
Barium				10000.0	10076.58	100.8			P
Beryllium				1000.0	1007.60	100.8			P
Cadmium				2500.0	2529.52	101.2			P
Calcium				125000.0	126357.8	101.1			P
Chromium				5000.0	4991.74	99.8			P
Cobalt				2500.0	2490.39	99.6			P
Copper				12500.0	12439.89	99.5			P
Iron				100000.0	100099.5	100.1			P
Lead				10000.0	10015.99	100.2			P
Magnesium				125000.0	125342.6	100.3			P
Manganese				5000.0	4949.92	99.0			P
Mercury				5.0	4.79	95.8	4.76	95.2	CV
Nickel				2500.0	2515.72	100.6			P
Potassium				50000.0	51388.05	102.8			P
Selenium				5000.0	4976.87	99.5			P
Silver				1250.0	1250.80	100.1			P
Sodium				125000.0	125178.4	100.1			P
Thallium				5000.0	4983.63	99.7			P
Vanadium				2500.0	2479.30	99.2			P
Zinc				2500.0	2503.18	100.1			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: U855 Batch No.: 18060_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	1000.0	1001.72	100.2	1000.0	994.90	99.5	1019.35	101.9	P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	2500.0	2482.40	99.3	2500.0	2482.43	99.3	2494.55	99.8	P
Calcium									NR
Chromium	5000.0	4922.67	98.5	5000.0	4942.35	98.8	4865.23	97.3	P
Cobalt									NR
Copper									NR
Iron	100000.0	97831.30	97.8	100000.0	97942.02	97.9	98448.75	98.4	P
Lead	10000.0	9916.43	99.2	10000.0	9936.57	99.4	9928.82	99.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium	5000.0	5030.37	100.6	5000.0	4970.86	99.4	5037.22	100.7	P
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc	2500.0	2428.20	97.1	2500.0	2413.22	96.5	2394.82	95.8	P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: U855 Batch No.: 18060_

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				1000.0	1011.84	101.2			P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				2500.0	2515.02	100.6			P
Calcium									NR
Chromium				5000.0	4967.78	99.4			P
Cobalt									NR
Copper									NR
Iron				100000.0	98912.66	98.9			P
Lead				10000.0	9968.89	99.7			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				5000.0	5058.70	101.2			P
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc				2500.0	2438.80	97.6			P
Molybdenu									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	494694	492552.5	98.5	496905	496243.3	99.2
Antimony		100		99.2	99.2		106.0	106.0
Arsenic		100		99.4	99.4		97.3	97.3
Barium		100		103.1	103.1		105.4	105.4
Beryllium		100		97.3	97.3		97.5	97.5
Cadmium		100		95.2	95.2		95.2	95.2
Calcium	500000	500000	467166	465828.9	93.2	467460	467792.9	93.6
Chromium		100		99.3	99.3		100.0	100.0
Cobalt		100		93.4	93.4		93.9	93.9
Copper		100		108.3	108.3		107.9	107.9
Iron	200000	200000	194212	193804.8	96.9	194513	194659.9	97.3
Lead		100		92.2	92.2		93.7	93.7
Magnesium	500000	500000	524847	522379.8	104.5	527520	525970.2	105.2
Manganese		100		99.7	99.7		100.5	100.5
Mercury								
Nickel		100		95.3	95.3		95.5	95.5
Potassium		10000		10687.2	106.9		10773.1	107.7
Selenium		100		93.5	93.5		90.4	90.4
Silver		100		102.6	102.6		102.6	102.6
Sodium		10000		10065.3	100.7		10081.3	100.8
Thallium		100		96.7	96.7		98.0	98.0
Vanadium		100		99.9	99.9		100.3	100.3
Zinc		100		99.4	99.4		99.8	99.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	486487	485812.4	97.2	498151	492916.9	98.6
Antimony		100		105.0	105.0		101.7	101.7
Arsenic		100		99.4	99.4		100.4	100.4
Barium		100		104.7	104.7		104.0	104.0
Beryllium		100		98.2	98.2		98.3	98.3
Cadmium		100		97.7	97.7		96.4	96.4
Calcium	500000	500000	467237	463744.2	92.7	470607	469620.9	93.9
Chromium		100		99.9	99.9		99.8	99.8
Cobalt		100		95.8	95.8		94.8	94.8
Copper		100		107.0	107.0		104.6	104.6
Iron	200000	200000	197076	195707.0	97.9	196826	195440.9	97.7
Lead		100		96.9	96.9		95.3	95.3
Magnesium	500000	500000	524162	523766.9	104.8	534470	527329.2	105.5
Manganese		100		100.8	100.8		99.9	99.9
Mercury								
Nickel		100		96.1	96.1		96.5	96.5
Potassium		10000		10896.9	109.0		11379.2	113.8
Selenium		100		93.5	93.5		89.9	89.9
Silver		100		103.1	103.1		103.8	103.8
Sodium		10000		10020.0	100.2		10271.3	102.7
Thallium		100		101.6	101.6		98.6	98.6
Vanadium		100		100.1	100.1		100.2	100.2
Zinc		100		101.8	101.8		100.8	100.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				493240	490506.1	98.1
Antimony		100					102.2	102.2
Arsenic		100					99.0	99.0
Barium		100					104.0	104.0
Beryllium		100					100.1	100.1
Cadmium		100					97.8	97.8
Calcium	500000	500000				478997	476971.7	95.4
Chromium		100					101.2	101.2
Cobalt		100					95.4	95.4
Copper		100					105.5	105.5
Iron	200000	200000				200386	199472.1	99.7
Lead		100					98.4	98.4
Magnesium	500000	500000				531166	527335.9	105.5
Manganese		100					100.9	100.9
Mercury								
Nickel		100					98.1	98.1
Potassium		10000					11234.2	112.3
Selenium		100					94.0	94.0
Silver		100					103.7	103.7
Sodium		10000					10002.2	100.0
Thallium		100					93.9	93.9
Vanadium		100					99.8	99.8
Zinc		100					103.8	103.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028_ Lab Job No.: _U855 Batch No.: 18060_

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	484484	483480.6	96.7	487716	487925.9	97.6
Antimony		100		102.5	102.5		99.6	99.6
Arsenic		100		101.7	101.7		100.2	100.2
Barium		100		106.2	106.2		103.8	103.8
Beryllium		100		96.9	96.9		98.1	98.1
Cadmium		100		95.2	95.2		95.3	95.3
Calcium	500000	500000	456684	451798.8	90.4	461664	457476.0	91.5
Chromium		100		98.4	98.4		98.9	98.9
Cobalt		100		94.2	94.2		93.7	93.7
Copper		100		107.4	107.4		109.2	109.2
Iron	200000	200000	193326	192937.7	96.5	194711	193004.5	96.5
Lead		100		97.1	97.1		95.2	95.2
Magnesium	500000	500000	519396	518716.0	103.7	522714	522254.0	104.5
Manganese		100		99.2	99.2		99.7	99.7
Mercury								
Nickel		100		96.6	96.6		95.9	95.9
Potassium		10000		11876.6	118.8		11871.8	118.7
Selenium		100		92.6	92.6		89.3	89.3
Silver		100		103.5	103.5		104.9	104.9
Sodium		10000		10115.7	101.2		10349.2	103.5
Thallium		100		94.3	94.3		94.0	94.0
Vanadium		100		97.8	97.8		98.8	98.8
Zinc		100		97.1	97.1		95.6	95.6

Spike Sample Recovery Summary

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS031605

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	202.0629		7.7430	U	200.00	101.0		P
Antimony	75-125	49.2639		0.3900	U	50.00	98.5		P
Arsenic	75-125	197.2229		0.3500	U	200.00	98.6		P
Barium	75-125	209.8509		0.1300	U	200.00	104.9		P
Beryllium	75-125	5.2025		0.0110	U	5.00	104.0		P
Cadmium	75-125	4.9476		0.0400	U	5.00	99.0		P
Calcium	75-125	1998.9004		7.4500	U	2000.00	99.9		P
Chromium	75-125	20.1939		0.2800	U	20.00	101.0		P
Cobalt	75-125	49.8267		0.3500	U	50.00	99.7		P
Copper	75-125	25.6984		0.3100	U	25.00	102.8		P
Iron	75-125	100.8550		3.9700	U	100.00	100.9		P
Lead	75-125	49.3525		0.2200	U	50.00	98.7		P
Magnesium	75-125	1958.6410		7.0000	U	2000.00	97.9		P
Manganese	75-125	50.4254		0.2900	U	50.00	100.9		P
Mercury	75-125	0.1588		0.0167	U	0.17	93.4		CV
Nickel	75-125	50.0203		0.3900	U	50.00	100.0		P
Potassium	75-125	1694.8740		10.6200	U	2000.00	84.7		P
Selenium	75-125	191.6542		0.4700	U	200.00	95.8		P
Silver	75-125	4.7763		0.0800	U	5.00	95.5		P
Sodium	75-125	1980.9680		36.1000	U	2000.00	99.0		P
Thallium	75-125	198.0496		0.4400	U	200.00	99.0		P
Vanadium	75-125	50.4375		0.1500	U	50.00	100.9		P
Zinc	75-125	49.4911		0.5800	U	50.00	99.0		P
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

614065MS

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		7146.6221		6468.0747		324.68	209.0		P
Antimony	75-125	31.7347		1.2662	U	81.17	39.1	N	P
Arsenic	75-125	311.2899		4.2695		324.68	94.6		P
Barium	75-125	482.1302		152.2253		324.68	101.6		P
Beryllium	75-125	8.6685		0.7110		8.12	98.0		P
Cadmium	75-125	7.9471		0.2994	B	8.12	94.2		P
Calcium	75-125	4780.4890		1615.9120	B	3246.75	97.5		P
Chromium	75-125	41.8172		9.9516		32.47	98.1		P
Cobalt	75-125	87.7867		10.3412	B	81.17	95.4		P
Copper	75-125	123.7860		82.2578		40.58	102.3		P
Iron		17344.3614		16063.7162		162.34	788.9		P
Lead	75-125	149.6756		67.3282		81.17	101.5		P
Magnesium	75-125	3974.4968		931.3013	B	3246.75	93.7		P
Manganese		594.1497		506.2899		81.17	108.2		P
Mercury	75-125	0.3084		0.0266	B	0.27	104.4		CV
Nickel	75-125	99.2019		19.7114		81.17	97.9		P
Potassium	75-125	3414.6383		688.4312	B	3246.75	84.0		P
Selenium	75-125	302.0506		1.5260	U	324.68	93.0		P
Silver	75-125	7.6523		0.2597	U	8.12	94.2		P
Sodium	75-125	3152.9256		117.2078	U	3246.75	97.1		P
Thallium	75-125	302.3289		1.4286	U	324.68	93.1		P
Vanadium	75-125	90.4383		13.9026	B	81.17	94.3		P
Zinc		462.6776		406.0195		81.17	69.8		P
Molybdenu									NR

Comments:

Sample and MS Duplicate Results Summary

LAB SAMPLE NO.

DUPLICATES

LCSSD044-D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6267.6848		6300.6562		0.5		P
Antimony		54.0378		55.2632		2.2		P
Arsenic		86.8574		87.6038		0.9		P
Barium		147.2702		148.1958		0.6		P
Beryllium		45.6442		46.2152		1.2		P
Cadmium		48.5076		49.7334		2.5		P
Calcium		3396.7508		3423.6546		0.8		P
Chromium		60.2384		60.3830		0.2		P
Cobalt		69.7794		70.7982		1.4		P
Copper		78.0528		77.5474		0.6		P
Iron		9550.5156		9561.0406		0.1		P
Lead		108.0110		110.1976		2.0		P
Magnesium	500.0	2393.4064		2378.9816		0.6		P
Manganese		422.4464		429.3094		1.6		P
Mercury		4.6417		4.5500		2.0		CV
Nickel		49.3902		49.9554		1.1		P
Potassium	500.0	1760.1472		1746.5660		0.8		P
Selenium		89.2512		93.3646		4.5		P
Silver		95.3624		96.4826		1.2		P
Sodium		188.8704	B	202.5890	B	7.0		P
Thallium		164.7098		165.8306		0.7		P
Vanadium		100.1742		101.5084		1.3		P
Zinc		215.5808		218.5230		1.4		P
Molybdenu								NR

LAB SAMPLE NO.

DUPLICATES

614065D

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.6 % Solids for Duplicate: 61.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6468.0747		6334.7821		2.1		P
Antimony		1.2662	U	1.2662	U			P
Arsenic		4.2695		4.8799		13.3		P
Barium	32.5	152.2253		160.8886		5.5		P
Beryllium	0.3	0.7110		0.7110		0.0		P
Cadmium		0.2994	B	0.3438	B	13.8		P
Calcium	811.7	1615.9120	B	1643.2331		1.7		P
Chromium		9.9516		9.9464		0.1		P
Cobalt	8.1	10.3412	B	10.7065	B	3.5		P
Copper		82.2578		74.7399		9.6		P
Iron		16063.7162		17450.1039		8.3		P
Lead		67.3282		73.9974		9.4		P
Magnesium	811.7	931.3013	B	935.1432	B	0.4		P
Manganese		506.2899		514.0412		1.5		P
Mercury		0.0266	B	0.0430	B	47.1		CV
Nickel	6.5	19.7114		19.8192		0.5		P
Potassium		688.4312	B	662.6925	B	3.8		P
Selenium		1.5260	U	1.5260	U			P
Silver		0.2597	U	0.5159	B	200.0		P
Sodium		117.2078	U	117.2078	U			P
Thallium		1.4286	U	1.4286	U			P
Vanadium	8.1	13.9026	B	13.9526	B	0.4		P
Zinc		406.0195		384.9409		5.3		P
Molybdenu								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Solid LCS Source: ERA D044

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7640.0	6267.7		4420.0	10900.0	82.0
Antimony				84.5	54.0		0.1	188.0	63.9
Arsenic				95.9	86.9		76.5	115.0	90.6
Barium				157.0	147.3		129.0	185.0	93.8
Beryllium				50.5	45.6		41.4	59.6	90.3
Cadmium				54.6	48.5		44.5	64.7	88.8
Calcium				3800.0	3396.8		3000.0	4590.0	89.4
Chromium				68.8	60.2		54.0	83.6	87.5
Cobalt				77.5	69.8		63.4	91.6	90.1
Copper				83.8	78.1		69.0	98.6	93.2
Iron				12100.0	9550.5		6940.0	17200.0	78.9
Lead				121.0	108.0		97.5	145.0	89.3
Magnesium				2720.0	2393.4		2100.0	3340.0	88.0
Manganese				469.0	422.4		375.0	563.0	90.1
Mercury				5.8	4.6		4.0	7.7	79.3
Nickel				54.5	49.4		44.4	64.6	90.6
Potassium				2190.0	1760.1		1560.0	2820.0	80.4
Selenium				102.0	89.3		77.1	127.0	87.5
Silver				106.0	95.4		64.9	147.0	90.0
Sodium				248.0	188.9	B	138.0	358.0	76.2
Thallium				182.0	164.7		138.0	226.0	90.5
Vanadium				118.0	100.2		88.2	148.0	84.9
Zinc				243.0	215.6		193.0	293.0	88.7
Molybdenu									

Serial Dilution Summary

LAB SAMPLE NO.

ICP SERIAL DILUTION

614065L

Lab Name: STL_EDISON

Lab Code: 12028 Lab Job No.: U855 Batch No.: 18060

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	19921.67		20793.86		4.4		P
Antimony	3.90	U	19.50	U			P
Arsenic	13.15		17.50	U	100.0		P
Barium	468.85		477.38	B	1.8		P
Beryllium	2.19		1.70	B	22.4		P
Cadmium	0.92	B	2.00	U	100.0		P
Calcium	4977.01	B	5076.01	B	2.0		P
Chromium	30.65		29.98	B	2.2		P
Cobalt	31.85	B	33.32	B	4.6		P
Copper	253.35		253.70		0.1		P
Iron	49476.25		51278.09		3.6		P
Lead	207.37		206.58		0.4		P
Magnesium	2868.41	B	2960.48	B	3.2		P
Manganese	1559.37		1610.46		3.3		P
Mercury							NR
Nickel	60.71		61.62	B	1.5		P
Potassium	2120.37	B	2519.48	B	18.8		P
Selenium	4.70	U	23.50	U			P
Silver	0.80	U	4.00	U			P
Sodium	361.00	U	1805.00	U			P
Thallium	4.40	U	22.00	U			P
Vanadium	42.82	B	42.25	B	1.3		P
Zinc	1250.54		1298.42		3.8		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/18/05 End Date: 03/18/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	1152		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	1158		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1204		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1209		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1216																									
ICV/CCV	1.00	1221		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	1227		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	1233		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1239		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1245																									
ZZZZZZ	1.00	1251		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	10.00	1302		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1308		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	20.00	1314		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	3.00	1320		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1326		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	25.00	1332		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1338		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	50.00	1349																									
ZZZZZZ	100.00	1355		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1401		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	10.00	1407		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	20.00	1413		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1419		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	10.00	1424		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
SS031605	1.00	1430		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
BS031605	1.00	1436		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
LCSSD044	2.00	1442		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1448		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1454		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
SSD044-D	2.00	1500		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/18/05 End Date: 03/18/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
614530	2.00	1506		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
614536	2.00	1518		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X		X	X	_
614542	2.00	1523		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
614548	2.00	1529		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
614554	2.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
614560	2.00	1541		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
614536	3.00	1551																_						X			_
ZZZZZZ	3.00	1557		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1603		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1609		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	1615		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1621		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1627		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1633		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/18/05 End Date: 03/19/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
T2CAL1	1.00	1828		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1834		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1839		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1846																									
ICV/CCV	1.00	1851		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	1857		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	1903		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1909		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1917																									
ZZZZZZ	1.00	1923																									
ZZZZZZ	1.00	1929																									
ZZZZZZ	1.00	1935																									
ZZZZZZ	1.00	1941																									
ZZZZZZ	1.00	1946																									
ZZZZZZ	1.00	1952																									
ZZZZZZ	1.00	1958																									
CCV	1.00	2004		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2010		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2016																									
ZZZZZZ	1.00	2022																									
ZZZZZZ	1.00	2028																									
ZZZZZZ	1.00	2034																									
ZZZZZZ	1.00	2039																									
ZZZZZZ	1.00	2045																									
ZZZZZZ	1.00	2051																									
ZZZZZZ	1.00	2057																									
ZZZZZZ	1.00	2103																									
ZZZZZZ	1.00	2109																									
CCV	1.00	2115		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2121		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	2126																									
ZZZZZZ	1.00	2132																									

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/18/05 End Date: 03/19/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	2138		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2144		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2156		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2202		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICSA	1.00	2208		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ICSAB	1.00	2214		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	2219		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	2225		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614065D	2.00	2231		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614065	2.00	2237		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614065L	2.00	2243		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614065MS	2.00	2249		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ZZZZZZ	2.00	2255																-									-
614677	2.00	2301		X	-	X	X	X	-	X	-	X	X	-	-	X	X	-	X	X	-	X	X	X	X	-	-
614678	2.00	2307		X	-	X	X	X	-	X	-	X	X	-	-	X	X	-	X	X	-	X	X	X	X	-	-
614679	2.00	2312		X	-	X	X	X	-	X	-	X	X	-	-	X	X	-	X	X	-	X	X	X	X	-	-
614068	2.00	2318		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614069	2.00	2324		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	2330		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	2336		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614071	2.00	2342		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
614355	2.00	2348		-	X	X	-	X	X	-	X	-	X	-	X	-	-	-	X	-	-	X	-	X	-	-	-
614356	2.00	2354		-	X	X	-	X	X	-	X	-	X	-	X	-	-	-	X	-	X	X	-	X	-	X	-
614357	2.00	0000		-	X	X	-	X	X	-	X	-	X	-	X	-	-	-	X	-	X	X	-	X	-	X	-
ICSA	1.00	0006		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ICSAB	1.00	0011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	0017		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	0023		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/21/05 End Date: 03/21/05

Lab Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
2CAL-BLK	1.00	1005		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T2CAL1	1.00	1010		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1016		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1022		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1028		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1034		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ICB/CCB	1.00	1040		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ICSA	1.00	1046		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ICSAB	1.00	1052		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ZZZZZZ	1.00	1058		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1103		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	10.00	1109		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1115		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1121		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1127		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1138		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1144		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1150		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
CCB	1.00	1156		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ZZZZZZ	2.00	1202		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
614677	5.00	1207		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	_	_	_	_	_	_	_
614677	10.00	1213		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	X	_
614678	5.00	1219		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	_	_	_	_	_	_	_
614678	10.00	1225		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	X	_
614679	5.00	1231		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	_	_	_	_	_	_	_
614679	10.00	1237		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_
614355	5.00	1252		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	X	_
614679	20.00	1258		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_
ZZZZZZ	1.00	1304		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1310		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
CCB	1.00	1316		_	X	_	_	_	X	_	X	_	_	X	X	_	_	_	_	_	X	_	_	_	_	X	_
ZZZZZZ	1.00	1322		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 03/21/05 End Date: 03/21/05

Lab Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
ZZZZZZ	1.00	1327																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1341																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1352																									
ZZZZZZ	1.00	1358																									
ICSA	1.00	1404			X				X		X			X	X						X					X	
ICSAB	1.00	1410			X				X		X			X	X						X					X	
CCV	1.00	1416			X				X		X			X	X						X					X	
CCB	1.00	1422			X				X		X			X	X						X					X	

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 03/16/05 End Date: 03/16/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD1	1.00	1216		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
STD2	1.00	1218		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
STD3	1.00	1220		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
STD4	1.00	1221		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
STD5	1.00	1223		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
STD6	1.00	1225		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICV/ACCV	1.00	1227		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICB/CCB	1.00	1230		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
BS031605	1.00	1232		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS031605	1.00	1234		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
LCSSD044	5.00	1236		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SSD044-D	5.00	1237		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614065	1.00	1239		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614065D	1.00	1241		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614065MS	1.00	1243		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1245		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1247		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614530	1.00	1249		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614536	1.00	1250		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614542	1.00	1252		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614548	1.00	1254		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614554	1.00	1256		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614560	1.00	1258		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614677	1.00	1301		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1303		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1305		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614678	1.00	1307		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
614679	1.00	1309		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
614068	1.00	1311		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614069	1.00	1313		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614071	1.00	1315		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614355	1.00	1318		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
				–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 03/16/05 End Date: 03/16/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
CCV	1.00	1320		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1322		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614356	1.00	1325		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614357	1.00	1326		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614677	10.00	1328		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614678	20.00	1330		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614679	20.00	1332		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
614355	5.00	1334		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1335		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1337		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1340		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1342		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	5.00	1343		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	5.00	1345		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1347		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1349		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1351		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1353		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1356		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1358		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1359		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1402		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1404		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1406		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1408		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1410		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1412		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1414		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1416		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1418		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1420		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1422		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–

ANALYSIS RUN LOG

Lab Name: STL_EDISON_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:18060_

Instrument ID Number: LEEMAN3_____ Method: CV

Start Date: 03/16/05 End Date: 03/16/05

Lab Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
CCB	1.00	1424		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1426		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1428		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1430		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1432		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1434		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1436		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1438		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1441		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1443		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	2.00	1539		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	20.00	1541		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1543		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1545		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1547		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	1.00	1553		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1554		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1557		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ZZZZZZ	2.00	1600		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCV	1.00	1602		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1604		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–

General Chemistry Forms

Analytical Results Summary

Site: BB&D Waste

Lab Job No: U855

Date Received: 03/14/2005

Date Sampled: 03/14/05

Matrix: SOIL

QA Batch: 1867

Ignitability

STL Edison Sample #	Client ID	Date Analyzed	Flashpoint Units: deg F
614677	BBD-Roll-off-G1	03/19/05	>160
614678	BBD-Roll-off-G2	03/19/05	>160
614679	BBD-Roll-off-G3	03/19/05	>160

Site: BB&D Waste

Lab Job No: U855

Date Received: 03/14/2005

Date Sampled: 03/14/05

Matrix: SOIL

QA Batch: 1763

Reactive Cyanide

STL Edison Sample #	Client ID	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/kg
614677	BBD-Roll-off-G1	03/19/05	03/19/05	2.0	ND
614678	BBD-Roll-off-G2	03/19/05	03/19/05	2.0	ND
614679	BBD-Roll-off-G3	03/19/05	03/19/05	2.0	ND

Quantitation Limit for Reactive Cyanide is 25.0 mg/kg for an undiluted sample.

Site: BB&D Waste

Lab Job No: U855

Date Received: 03/14/2005

Date Sampled: 03/14/05

Matrix: SOIL

QA Batch: 1771

Reactive Sulfide

STL Edison Sample #	Client ID	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/kg
614677	BBD-Roll-off-G1	03/19/05	03/19/05	2.0	ND
614678	BBD-Roll-off-G2	03/19/05	03/19/05	2.0	ND
614679	BBD-Roll-off-G3	03/19/05	03/19/05	2.0	ND

Quantitation Limit for Reactive Sulfide is 20.0 mg/kg for an undiluted sample.

QA Summary

QA SUMMARY-DUPLICATES & BLANKS-HAZ. WASTE CHARACTERISTICS

Sample Number: 613100 **Job Number:** U527

Test	QA Batch No.	Matrix	Sample Result	Sample Dup Result	Lab Blank
Ignitability	1867	SOLID	ND	ND	NA

REACTIVE CYANIDE

Matrix: SOLID

Lab Sample No.: 612535

QA Batch No.: 1763

Lab Job No.: U 387

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	25.0

Duplicate			
Sample Conc Units: mg/kg	DUP Conc Units: mg/kg	RPD	Q.C. Limits RPD
ND	ND	0.0	20.0

	BLANK SPIKE	
True Value Unit :mg/l	Acceptable Range :mg/l	Measured Value :mg/l
40.0	28.0-52.0	5.0

REACTIVE SULFIDE

Matrix: SOLID

Lab Sample No.: 614598

QA Batch No.: 1771

Lab Job No.: U831

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	20.0

Matrix Spike				
Spike Added Units: mg/kg	Sample Conc Units: mg/kg	MS Conc Units: mg/kg	MS %Rec	MS % Rec LIMITS
408	ND	180	44.1	34-96

		Matrix Spike Duplicate		
Spike Added	MSD Conc	MSD	% RPD	RPD
Units:mg/kg	Units:mg/kg	% Rec		LIMITS
408	173	42.4	4.0	20.0

		Laboratory Control Sample		
Vendor	Lot#	True Value	Range	Measured
		(mg/l)	(mg/l)	Value (mg/l)
ERA	P105071	70.3	35.2-99.8	51.6

Subwork

SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059
www.stl-inc.com

March 31, 2005

STL SACRAMENTO PROJECT NUMBER: G5C160389
PO/CONTRACT: U855

Emmylou DiGiacomo
STL Edison
777 New Durham Road
Edison, NJ 08817

Dear Ms. DiGiacomo,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on March 16, 2005. These samples are associated with your U855 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

Karen Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G5C160389

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans
Samples: 1, 2, 3
- Sample Data Sheets
- Method Blank Reports
- Laboratory QC Reports

SOLID, D 2216-90, % Moisture
Samples: 1, 2, 3
- Sample Data Sheets

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G5C160389

SOLID, 8290, Dioxins/Furans

The following results exceeded the upper calibration limit (but did not saturate the detector) and have been flagged with 'E' qualifiers: BBD ROLL-OFF G1 – 1,2,3,4,6,7,8-HpCDD, OCDD, 1,2,3,4,6,7,8-HpCDF, & OCDF, BBD ROLL-OFF G2 – OCDD, 1,2,3,4,6,7,8-HpCDF, & OCDF, and BBD ROLL-OFF G3 – 1,2,3,4,6,7,8-HpCDF & OCDF. This method of quantitation is generally linear above the upper calibration limit as long as the detector has not been saturated. Historical data indicates that re-analysis of the sample at a dilution will not produce significantly different results than those reported with an 'E' qualifier.

Theoretical ratios were used to quantitate the following internal standards that did not meet ratio criteria due to high analyte levels: BBD ROLL-OFF G1 – 13C-1,2,3,4,6,7,8-HpCDF & 13C-OCDD , BBD ROLL-OFF G2 - 13C-1,2,3,4,6,7,8-HpCDF, and BBD ROLL-OFF G3 - 13C-1,2,3,4,6,7,8-HpCDF.

Sample BBD ROLL-OFF G3 showed a high recovery for the 13C-1,2,3,4,6,7,8-HpCDF internal standard due to high analyte levels. The corresponding HpCDF results for this sample may be biased low.

There were no other anomalies associated with this lot.

SEVERN TRENT **STL**

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California	01196A	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9950C 334
Hawaii	NA	Wisconsin	998204680
Louisiana	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Haul	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary
G5C160389

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
G6D3M	1	BBD ROLL-OFF G1	3/14/2005 10:45 AM	3/16/2005 09:15 AM
G6D3P	2	BBD ROLL-OFF G2	3/14/2005 11:45 AM	3/16/2005 09:15 AM
G6D3R	3	BBD ROLL-OFF G3	3/14/2005 12:15 PM	3/16/2005 09:15 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

U855

2

STL Edison
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Emmylou DIGiacomo	Samplers Name (Printed)	Client ID: U855
Company STL Edison	P.O. #	Site: Bayonne Barrel and Drum
		State: NJ
		Deliv.: Reduced/Excel
Address 777 New Durham Road	Analysis Turnaround Time	
City Edison / State NJ / Zip 08817	Standard ☐	
Phone 732-549-3900 / Fax 732-549-3679	Rush Charges Authorized For: ☐ ☐ ☒ Hard Copy by 3/28/05 ☐	

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDIC

LAB USE ONLY
Project No:
Job No:

Sample Identification	Date	Time	Matrix	No. of. Cont.	Dioxin 8290								Sample Numbers
BBD Roll-off 01	3/14/2005	10:45	S	1	X								614677
BBD Roll-off 02	3/14/2005	11:45	S	1	X								614678
BBD Roll-off 03	3/14/2005	12:15	S	1	X								614679

RECEIVED IN GOOD CONDITION UNDER COC
MAR 16 2005
IN

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil:
Water:

Special Instructions:

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	STL Edison	3/15/05 1700	1) Federal Express	
Relinquished by 2)	Company	3-16-05 1145	Received by 2)	Company STL-SAC
STL Sacramento 880 Riverside Parkway West Sacramento, CA 95605				

STL Edison

764

SEVERN TRENT **STL**

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT STL-Edison PM KD LOG # 31527

LOT# (QUANTIMS ID) A5C160389 QUOTE# ~~63324~~ LOCATION WIA

	Initials	Date
DATE RECEIVED 3-16-05 TIME RECEIVED 915	AB	3-16-05

DELIVERED BY ☑ FEDEX ☐ CA OVERNIGHT ☐ CLIENT ☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL ☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS ☐ STL COURIER ☐ COURIERS ON DEMAND ☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S)

SHIPPPING CONTAINER(S) ☐ STL ☑ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR ☑ 3 ☐ ☐ OTHER

COC #(S) N/A

TEMPERATURE BLANK 2°

SAMPLE TEMPERATURE 2°

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
WETCHEM ☑ N/A
VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes:

*1 Acceptable temperature range for State of Wisconsin samples is ≤ 4°C.

LEAVE NO SPACES BLANK. NOT THAT IS NOT APPLICABLE. WRITE IN N/A

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G5C160389

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGB																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	1	1	1																	
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 3/05 EM

Page 2

SOLID, 8290, Dioxins/Furans

STL EDISON

Client Sample ID: BBD ROLL-OFF G1

Trace Level Organic Compounds

Lot-Sample #...: G5C160389-001 Work Order #...: G6D3M1AC Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05
Prep Date.....: 03/17/05 Analysis Date..: 03/24/05
Prep Batch #...: 5076490
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	170		pg/g	SW846 8290
Total TCDD	2400		pg/g	SW846 8290
1,2,3,7,8-PeCDD	260		pg/g	SW846 8290
Total PeCDD	3200		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	200		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	2000		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	820		pg/g	SW846 8290
Total HxCDD	18000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	40000 E		pg/g	SW846 8290
Total HpCDD	69000		pg/g	SW846 8290
OCDD	170000 E		pg/g	SW846 8290
2,3,7,8-TCDF	2300 CON		pg/g	SW846 8290
Total TCDF	19000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	1100		pg/g	SW846 8290
2,3,4,7,8-PeCDF	1900		pg/g	SW846 8290
Total PeCDF	20000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	12000		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	4000		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	950		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	36 J		pg/g	SW846 8290
Total HxCDF	36000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	77000 E		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	820		pg/g	SW846 8290
Total HpCDF	85000		pg/g	SW846 8290
OCDF	52000 E		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	(40 - 135)
13C-1,2,3,7,8-PeCDD	44	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	73	(40 - 135)
13C-OCDD	109	(40 - 135)
13C-2,3,7,8-TCDF	56	(40 - 135)
13C-1,2,3,7,8-PeCDF	50	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

STL EDISON

Client Sample ID: BBD ROLL-OFF G2

Trace Level Organic Compounds

Lot-Sample #...: G5C160389-002 Work Order #...: G6D3P1AC Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05
Prep Date.....: 03/17/05 Analysis Date..: 03/24/05
Prep Batch #...: 5076490
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	98		pg/g	SW846 8290
Total TCDD	2200		pg/g	SW846 8290
1,2,3,7,8-PeCDD	130		pg/g	SW846 8290
Total PeCDD	2000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	130		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	460		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	260		pg/g	SW846 8290
Total HxCDD	6300		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	10000		pg/g	SW846 8290
Total HpCDD	18000		pg/g	SW846 8290
OCDD	61000 E		pg/g	SW846 8290
2,3,7,8-TCDF	2900 CON		pg/g	SW846 8290
Total TCDF	36000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	1200		pg/g	SW846 8290
2,3,4,7,8-PeCDF	2600		pg/g	SW846 8290
Total PeCDF	33000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	16000		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	4900		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	1200		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	37 J		pg/g	SW846 8290
Total HxCDF	46000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	91000 E		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	950		pg/g	SW846 8290
Total HpCDF	98000		pg/g	SW846 8290
OCDF	91000 E		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	70	(40 - 135)
13C-1,2,3,7,8-PeCDD	50	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	58	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	61	(40 - 135)
13C-OCDD	80	(40 - 135)
13C-2,3,7,8-TCDF	61	(40 - 135)
13C-1,2,3,7,8-PeCDF	55	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	62	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	107	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

STL EDISON

Client Sample ID: BBD ROLL-OFF G3

Trace Level Organic Compounds

Lot-Sample #...: G5C160389-003 Work Order #...: G6D3R1AC Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05
Prep Date.....: 03/17/05 Analysis Date..: 03/24/05
Prep Batch #...: 5076490
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	230		pg/g	SW846 8290
Total TCDD	1600		pg/g	SW846 8290
1,2,3,7,8-PeCDD	260		pg/g	SW846 8290
Total PeCDD	1900		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	240		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	1600		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	460		pg/g	SW846 8290
Total HxCDD	12000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	21000		pg/g	SW846 8290
Total HpCDD	36000		pg/g	SW846 8290
OCDD	99000		pg/g	SW846 8290
2,3,7,8-TCDF	3800 CON		pg/g	SW846 8290
Total TCDF	52000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	2700		pg/g	SW846 8290
2,3,4,7,8-PeCDF	4900		pg/g	SW846 8290
Total PeCDF	67000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	49000		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	15000		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	2900		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	82 J		pg/g	SW846 8290
Total HxCDF	140000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	160000 E		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	1600		pg/g	SW846 8290
Total HpCDF	170000		pg/g	SW846 8290
OCDF	340000 E		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	71	(40 - 135)
13C-1,2,3,7,8-PeCDD	53	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	61	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	82	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	65	(40 - 135)
13C-1,2,3,7,8-PeCDF	56	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	248 *	(40 - 135)

(Continued on next page)

STL EDISON

Client Sample ID: BBD ROLL-OFF G3

Trace Level Organic Compounds

Lot-Sample #...: G5C160389-003 Work Order #...: G6D3R1AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

E Estimated result. Result concentration exceeds the calibration range.

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

G5C160389

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8290		5076490	5076316
	SOLID	ASTM D 2216-90		5076422	
002	SOLID	SW846 8290		5076490	5076316
	SOLID	ASTM D 2216-90		5076422	
003	SOLID	SW846 8290		5076490	5076316
	SOLID	ASTM D 2216-90		5076422	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G5C160389
MB Lot-Sample #: G5C170000-490
Work Order #...: G6GXD1AA
Matrix.....: SOLID
Prep Date.....: 03/17/05
Prep Batch #...: 5076490
Analysis Date..: 03/21/05
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.099	pg/g	SW846 8290
Total TCDD	ND	0.099	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.25	pg/g	SW846 8290
Total PeCDD	ND	0.25	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.12	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.11	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.11	pg/g	SW846 8290
Total HxCDD	ND	0.19	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.088	pg/g	SW846 8290
Total HpCDD	ND	0.088	pg/g	SW846 8290
OCDD	ND	0.24	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.21	pg/g	SW846 8290
Total TCDF	ND	0.21	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.15	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.14	pg/g	SW846 8290
Total PeCDF	ND	0.18	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.088	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.084	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.091	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.096	pg/g	SW846 8290
Total HxCDF	ND	0.096	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.071	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.079	pg/g	SW846 8290
Total HpCDF	ND	0.079	pg/g	SW846 8290
OCDF	ND	0.21	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	95	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	84	(40 - 135)
13C-2,3,7,8-TCDF	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	91	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G5C160389 Work Order #...: G6GXD1AC Matrix.....: SOLID
LCS Lot-Sample#: G5C170000-490
Prep Date.....: 03/17/05 Analysis Date..: 03/21/05
Prep Batch #...: 5076490
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	21.2	pg/g	106	SW846 8290
1,2,3,7,8-PeCDD	100	131	pg/g	131	SW846 8290
1,2,3,4,7,8-HxCDD	100	103	pg/g	103	SW846 8290
1,2,3,6,7,8-HxCDD	100	114	pg/g	114	SW846 8290
1,2,3,7,8,9-HxCDD	100	111	pg/g	111	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	103	pg/g	103	SW846 8290
OCDD	200	207	pg/g	104	SW846 8290
2,3,7,8-TCDF	20.0	22.8	pg/g	114	SW846 8290
1,2,3,7,8-PeCDF	100	109	pg/g	109	SW846 8290
2,3,4,7,8-PeCDF	100	109	pg/g	109	SW846 8290
1,2,3,4,7,8-HxCDF	100	115	pg/g	115	SW846 8290
1,2,3,6,7,8-HxCDF	100	123	pg/g	123	SW846 8290
2,3,4,6,7,8-HxCDF	100	124	pg/g	124	SW846 8290
1,2,3,7,8,9-HxCDF	100	112	pg/g	112	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	108	pg/g	108	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	102	pg/g	102	SW846 8290
OCDF	200	211	pg/g	105	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	99	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G5C160389 Work Order #...: G6GXD1AC Matrix.....: SOLID
LCS Lot-Sample#: G5C170000-490
Prep Date.....: 03/17/05 Analysis Date..: 03/21/05
Prep Batch #...: 5076490
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	106	(61 - 138)	SW846 8290
1,2,3,7,8-PeCDD	131	(64 - 139)	SW846 8290
1,2,3,4,7,8-HxCDD	103	(56 - 144)	SW846 8290
1,2,3,6,7,8-HxCDD	114	(68 - 134)	SW846 8290
1,2,3,7,8,9-HxCDD	111	(62 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDD	103	(70 - 132)	SW846 8290
OCDD	104	(70 - 140)	SW846 8290
2,3,7,8-TCDF	114	(65 - 134)	SW846 8290
1,2,3,7,8-PeCDF	109	(70 - 136)	SW846 8290
2,3,4,7,8-PeCDF	109	(63 - 138)	SW846 8290
1,2,3,4,7,8-HxCDF	115	(68 - 137)	SW846 8290
1,2,3,6,7,8-HxCDF	123	(62 - 147)	SW846 8290
2,3,4,6,7,8-HxCDF	124	(65 - 157)	SW846 8290
1,2,3,7,8,9-HxCDF	112	(56 - 151)	SW846 8290
1,2,3,4,6,7,8-HpCDF	108	(70 - 133)	SW846 8290
1,2,3,4,7,8,9-HpCDF	102	(58 - 140)	SW846 8290
OCDF	105	(64 - 142)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	99	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, % Moisture

STL EDISON

Client Sample ID: BBD ROLL-OFF G1

General Chemistry

Lot-Sample #...: G5C160389-001 Work Order #...: G6D3M Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	23.2	0.10	%	ASTM D 2216-90	03/17-03/18/05	5076422

STL EDISON

Client Sample ID: BBD ROLL-OFF G2

General Chemistry

Lot-Sample #...: G5C160389-002 Work Order #...: G6D3P Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	23.2	0.10	%	ASTM D 2216-90	03/17-03/18/05	5076422

STL EDISON

Client Sample ID: BBD ROLL-OFF G3

General Chemistry

Lot-Sample #...: G5C160389-003 Work Order #...: G6D3R Matrix.....: SOLID
Date Sampled...: 03/14/05 Date Received..: 03/16/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.6	0.10	%	ASTM D 2216-90	03/17-03/18/05	5076422

SOLID, 8290, Dioxins/Furans

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

Run text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B
Run #10 Filename: 21MR059D5 S: 7 I: 1 Results: 21MR059D58290
Acquired: 21-MAR-05 20:41:47 Processed: 22-MAR-05 12:01:36
Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5
Sample size: 10.00 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	69672600	0.75	y	17:57	-	10.160	-	-	n
13C-2,3,7,8-TCDF	107033900	0.81	y	17:26	1.57	195.816	0.337	97.9	n
2,3,7,8-TCDF	*	*	n	NotFnd	0.79	*	0.211	-	n
Total TCDF	*	*	n	NotFnd	0.79	*	0.211	-	n
13C-2,3,7,8-TCDD	66851200	0.73	y	18:08	1.07	178.914	0.733	89.5	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	0.099	-	n
Total TCDD	50798	6.03	n	14:31	0.98	~~0.156~~	0.099	-	n
37Cl-2,3,7,8-TCDD	23445400	1.00	y	18:09	1.02	66.302	0.185	82.9	n
13C-1,2,3,7,8-PeCDF	80457700	1.51	y	22:30	1.26	182.800	0.278	91.4	n
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*	0.145	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.84	*	0.141	-	n
Total F2 PeCDF	7248	0.16	n	24:19	0.83	~~0.022~~	~~0.143~~	-	n
Total F1 PeCDF	71650	1.28	n	17:57	0.83	~~0.215~~	0.180	-	n
13C-1,2,3,7,8-PeCDD	43013000	1.53	y	24:36	0.80	154.144	0.184	77.1	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.03	*	0.254	-	n
Total PeCDD	96329	2.73	n	21:27	1.03	~~0.434~~	0.254	-	n
13C-1,2,3,7,8,9-HxCDD	62324500	1.32	y	32:13	-	8.851	-	-	n
13C-1,2,3,4,7,8-HxCDF	53459700	0.52	y	30:39	1.04	165.713	0.244	82.9	n
1,2,3,4,7,8-HxCDF	16227	0.75	n	30:40	1.04	~~0.058~~	0.088	-	n
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.09	*	0.084	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.00	*	0.091	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.95	*	0.096	-	n
Total HxCDF	38017	6.28	n	27:51	1.02	~~0.138~~	~~0.090~~ 0.096	-	n
13C-1,2,3,6,7,8-HxCDD	50746500	1.39	y	31:53	0.86	190.364	0.426	95.2	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.93	*	0.115	-	n
1,2,3,6,7,8-HxCDD	7872	2.44	n	31:55	0.98	~~0.032~~	0.110	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.01	*	0.107	-	n
Total HxCDD	123879	0.69	n	27:47	0.97	~~0.502~~ 0.19=DL	~~0.111~~ 0.115	-	n
13C-1,2,3,4,6,7,8-HpCDF	52888100	0.44	y	33:49	0.97	175.766	1.170	87.9	n
1,2,3,4,6,7,8-HpCDF	18415	2.55	n	33:48	1.13	~~0.061~~	0.071	-	n
1,2,3,4,7,8,9-HpCDF	9437	0.55	n	34:55	1.03	~~0.035~~	0.079	-	n
Total HpCDF	41599	2.55	n	33:48	1.08	~~0.144~~	~~0.075~~ 0.079	-	n
13C-1,2,3,4,6,7,8-HpCDD	55744200	1.06	y	34:35	0.98	183.212	0.861	91.6	n
1,2,3,4,6,7,8-HpCDD	5880	4.45	n	34:36	0.86	~~0.025~~	0.088	-	n
Total HpCDD	122292	2.68	n	33:49	0.86	~~0.512~~	0.088	-	n
13C-OCDD	96591300	0.90	y	36:56	0.92	335.207	0.575	83.8	n

OCDF	*	*	n	NotFnd	1.03		*	0.209	-	n
OCDD	38403	1.44	n	36:56	0.91		0.174	0.242	-	n

Run text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B
Run #10 Filename: 21MR059D5 S: 7 I: 1 Results: 21MR059D58290
Acquired: 21-MAR-05 20:41:47 Processed: 22-MAR-05 12:01:36
Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	69672600	0.75	y	17:57	-	10.16	-	-	n
13C-2,3,7,8-TCDF	107033900	0.81	y	17:26	1.57	195.82	0.34	97.9	n
2,3,7,8-TCDF	*	*	n	NotFnd	0.79	*	0.21	-	n
Total TCDF	*	*	n	NotFnd	0.79	*	0.21	-	n
13C-2,3,7,8-TCDD	66851200	0.73	y	18:08	1.07	178.91	0.73	89.5	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	0.10	-	n
Total TCDD	50798	6.03	n	14:31	0.98	~~0.16~~	0.10	-	n
37Cl-2,3,7,8-TCDD	23445400	1.00	y	18:09	1.02	66.30	0.19	82.9	n
13C-1,2,3,7,8-PeCDF	80457700	1.51	y	22:30	1.26	182.80	0.28	91.4	n
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*	0.15	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.84	*	0.14	-	n
Total F2 PeCDF	7248	0.16	n	24:19	0.83	~~0.02~~	0~~.14~~	-	n
Total F1 PeCDF	71650	1.28	n	17:57	0.83	0~~.21~~	0.18	-	n
13C-1,2,3,7,8-PeCDD	43013000	1.53	y	24:36	0.80	154.14	0.18	77.1	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.03	*	0.25	-	n
Total PeCDD	96329	2.73	n	21:27	1.03	~~0.43~~	0.25	-	n
13C-1,2,3,7,8,9-HxCDD	62324500	1.32	y	32:13	-	8.85	-	-	n
13C-1,2,3,4,7,8-HxCDF	53459700	0.52	y	30:39	1.04	165.71	0.24	82.9	n
1,2,3,4,7,8-HxCDF	16227	0.75	n	30:40	1.04	0.06	0.09	-	n
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.09	*	0.08	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.00	*	0.09	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.95	*	0.10	-	n
Total HxCDF	38017	6.28	n	27:51	1.02	0.14	0.09	-	n
13C-1,2,3,6,7,8-HxCDD	50746500	1.39	y	31:53	0.86	190.36	0.43	95.2	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.93	*	0.12	-	n
1,2,3,6,7,8-HxCDD	7872	2.44	n	31:55	0.98	0.03	0.11	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.01	*	0.11	-	n
Total HxCDD	123879	0.69	n	27:47	0.97	0.50	0.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	52888100	0.44	y	33:49	0.97	175.77	1.17	87.9	n
1,2,3,4,6,7,8-HpCDF	18415	2.55	n	33:48	1.13	0.06	0.07	-	n
1,2,3,4,7,8,9-HpCDF	9437	0.55	n	34:55	1.03	0.03	0.08	-	n
Total HpCDF	41599	2.55	n	33:48	1.08	0.14	0.07	-	n
13C-1,2,3,4,6,7,8-HpCDD	55744200	1.06	y	34:35	0.98	183.21	0.86	91.6	n
1,2,3,4,6,7,8-HpCDD	5880	4.45	n	34:36	0.86	0.02	0.09	-	n
Total HpCDD	122292	2.68	n	33:49	0.86	0.51	0.09	-	n
13C-OCDD	96591300	0.90	y	36:56	0.92	335.21	0.57	83.8	n

OCDF	*	*	n	NotFnd	1.03		*	0.21	-	n
OCDD	38403	1.44	n	36:56	0.91		0.17	0.24	-	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:0
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	* of which	* named and	* unnamed
Conc:	* of which	* named and	* unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	NotF	*	n	*	*	*	n	n
						*	*	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:3
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	1.56 of which	* named and	1.56 unnamed
Conc:	0.16 of which	* named and	0.16 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:31	6.03	n	0.01	10817	2.4	n	n
						1795	0.5	n	n
	2	15:54	0.78	y	0.05	6505	1.4	n	n
						8337	1.5	n	n
	3	17:26	4.12	n	0.10	76332	18.9	y	n
						18519	4.3	y	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:1
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	0.22 of which	* named and	0.22 unnamed
Conc:	0.02 of which	* named and	0.02 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:19	0.16	n	0.02	4405	1.7	n	n
						28058	2.5	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	2.15 of which	* named and	2.15	unnamed
Conc:	0.21 of which	* named and	0.21	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:57	1.28	n	0.12	23411	3.9	y	n
						18336	1.3	n	n
	2	19:09	0.20	n	0.05	10772	2.6	n	n
						52734	4.9	y	n
	3	19:23	1.11	n	0.05	9369	2.0	n	n
						8417	1.0	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:6
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	4.34 of which	* named and	4.34	unnamed
Conc:	0.43 of which	* named and	0.43	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:27	2.73	n	0.03	6646	1.3	n	n
						2434	1.6	n	n
	2	22:32	4.03	n	0.12	40804	3.4	y	n
						10121	4.1	y	n
	3	22:38	0.57	n	0.04	5852	1.1	n	n
						10320	7.0	y	n
	4	24:20	3.90	n	0.18	61809	4.5	y	n
						15861	7.7	y	n
	5	24:50	4.34	n	0.04	13961	1.5	n	n
						3218	2.1	n	n
	6	25:03	1.00	n	0.03	3667	0.7	n	n
						3650	2.8	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:5
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	1.38 of which	0.58 named and	0.80	unnamed
Conc:	0.14 of which	0.06 named and	0.08	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	27:51	6.28	n	0.01	11380	1.8	n	n
						1811	1.7	n	n
	2	28:11	3.99	n	0.01	6961	1.7	n	n
						1743	1.6	n	n
	3	30:37	0.38	n	0.03	4603	1.8	n	n
						12039	6.8	y	n
1,2,3,4,7,8-HxCDF	4	30:40	0.75	n	0.06	8983	1.7	n	n
						12039	6.8	y	n
	5	32:40	4.03	n	0.02	9928	1.9	n	n
						2462	2.6	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	5.02 of which	0.32 named and	4.70 unnamed
Conc:	0.50 of which	0.03 named and	0.47 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	27:47	0.69	n	0.02	3207	1.7	n	n
						4628	1.2	n	n
	2	30:24	0.59	n	0.02	3091	1.6	n	n
						5198	1.9	n	n
	3	30:41	6.91	n	0.07	54758	11.8	y	n
						7923	2.3	n	n
	4	30:51	2.52	n	0.19	53361	11.3	y	n
						21158	3.2	y	n
	5	31:06	0.54	n	0.03	4222	1.7	n	n
						7861	2.7	n	n
	6	31:36	5.13	n	0.12	68362	15.0	y	n

						13327	2.9	n	n
1,2,3,6,7,8-HxCDD	7	31:55	2.44	n	0.03	8581	3.2	y	n
						3514	1.3	n	n
	8	32:00	0.27	n	0.01	1114	0.5	n	n
						4094	1.2	n	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:3
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	1.44	of which	0.96	named and	0.48 unnamed
Conc:	0.14	of which	0.10	named and	0.05 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	33:48	2.55	n	0.06	22977	4.0	y	n
						9027	8.0	y	n
1,2,3,4,7,8,9-HpCDF	2	34:55	0.55	n	0.03	4811	1.0	n	n
						8687	3.7	y	n
	3	35:44	0.89	y	0.05	6462	1.8	n	n
						7286	3.1	y	n

Run Text: G6GXD-1-AA Sample text: G6GXD-1-AA :G5C170000-490B

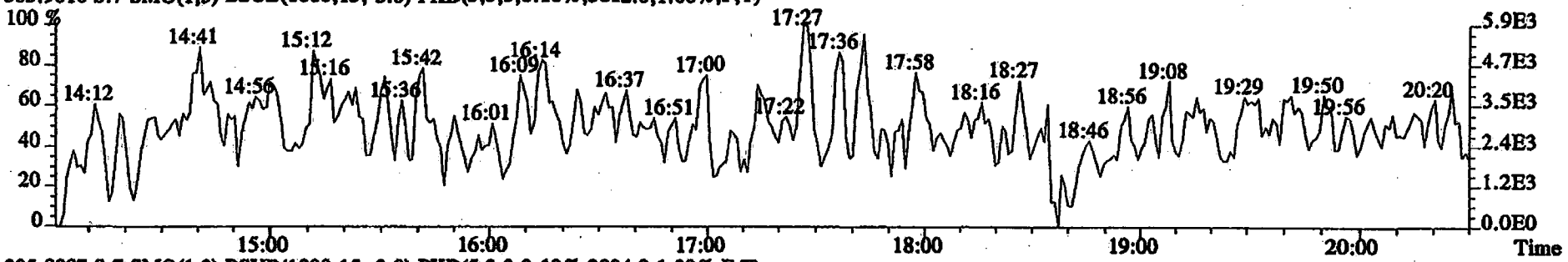
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:7
Run: 10 File: 21MR059D5 S:7 Acq:21-MAR-05 20:41:47
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	5.12 of which	0.25 named and	4.87	unnamed
Conc:	0.51 of which	0.02 named and	0.49	unnamed

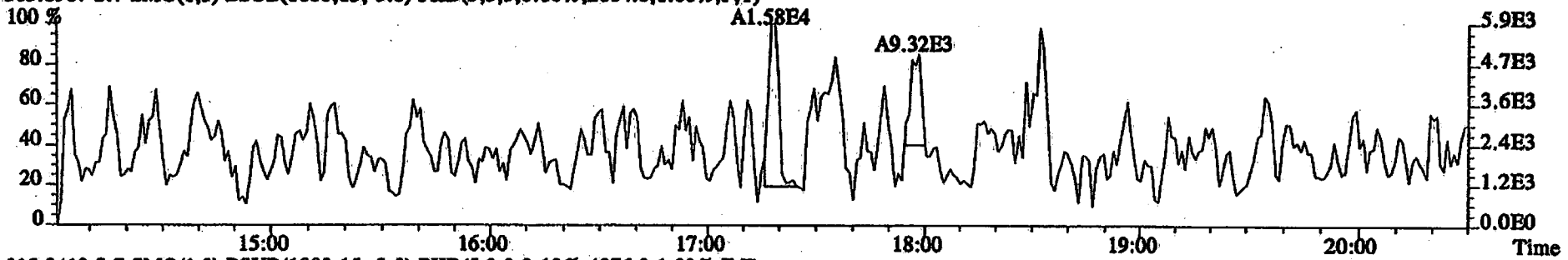
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	33:49	2.68	n	0.20	62303	14.4	y	n
						23281	8.8	y	n
	2	34:06	1.22	n	0.05	7204	3.0	n	n
						5903	2.0	n	n
1,2,3,4,6,7,8-HpCDD	3	34:36	4.45	n	0.02	12827	4.3	y	n
						2882	1.6	n	n
	4	34:53	2.55	n	0.18	54192	12.9	y	n
						21213	9.3	y	n
	5	35:08	2.62	n	0.02	5823	1.2	n	n
						2222	1.5	n	n
	6	35:11	1.51	n	0.02	3363	1.3	n	n
						2222	1.5	n	n
	7	35:16	2.73	n	0.02	6067	1.9	n	n
						2222	1.5	n	n

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

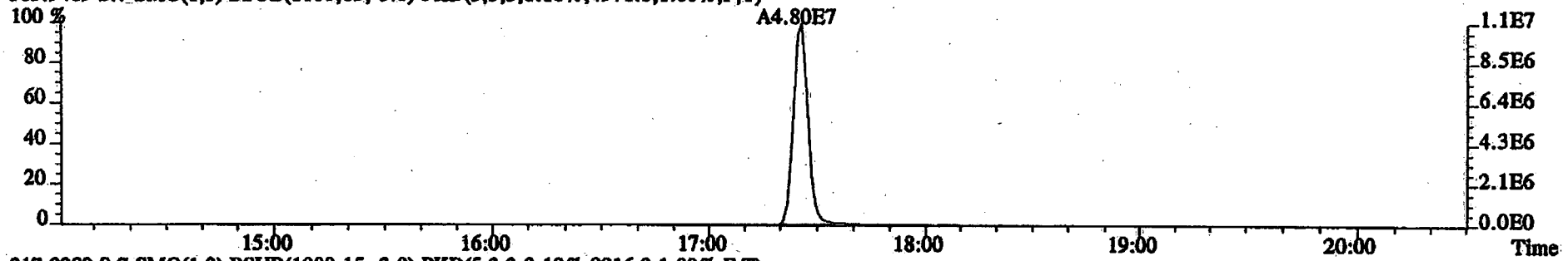
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3812.0,1.00%,F,T)



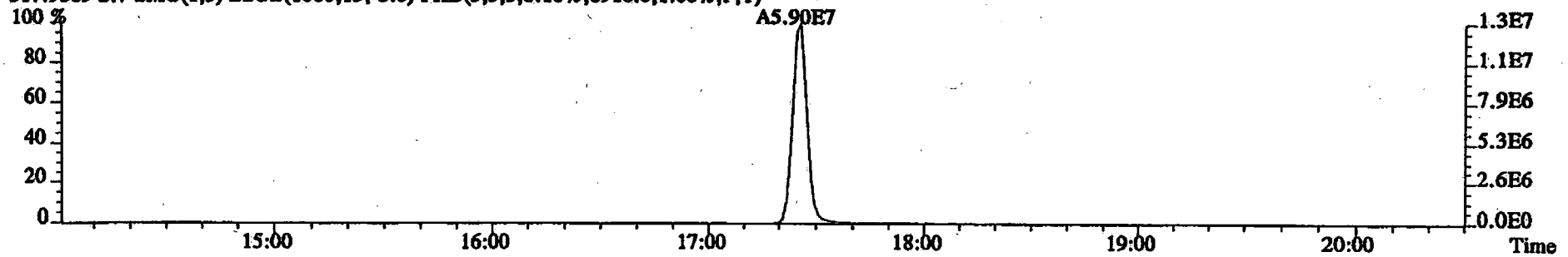
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2804.0,1.00%,F,T)



315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4976.0,1.00%,F,T)



317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8916.0,1.00%,F,T)



792

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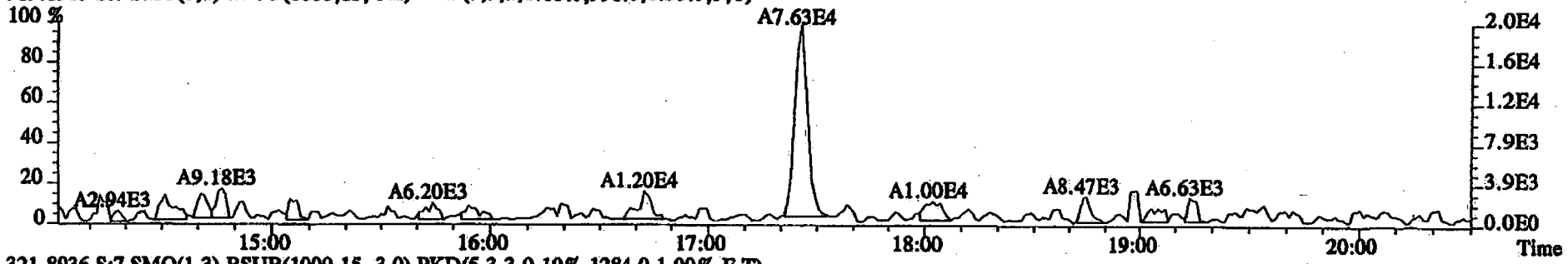
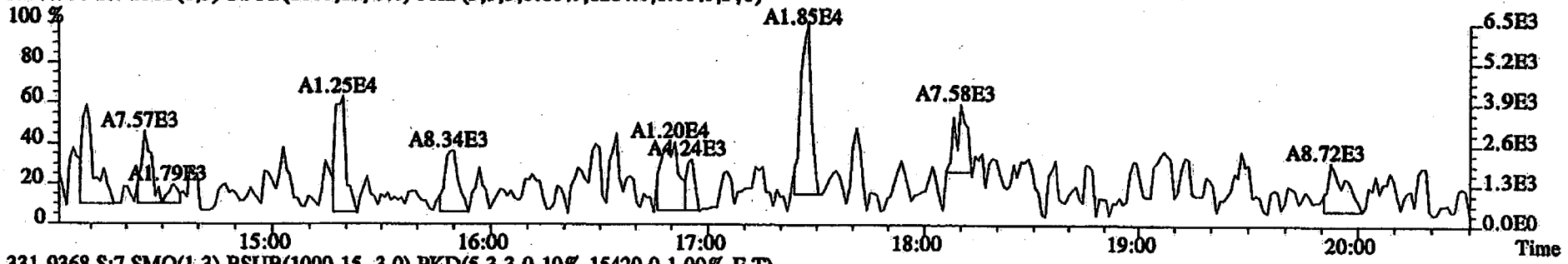
File:21MR059D5 #1-404 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

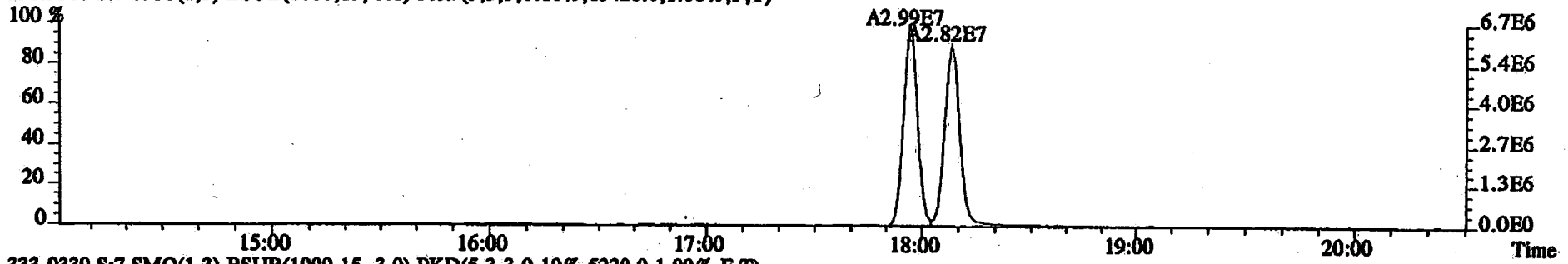
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,996.0,1.00%,F,T)



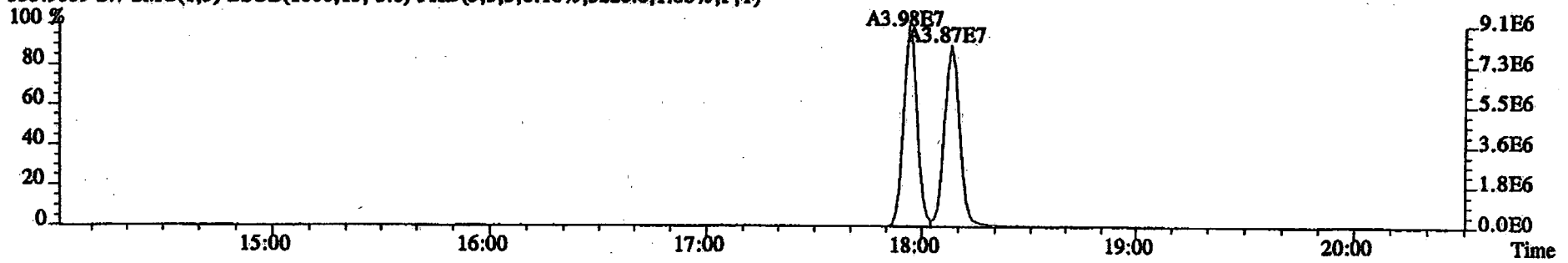
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1284.0,1.00%,F,T)



331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15420.0,1.00%,F,T)



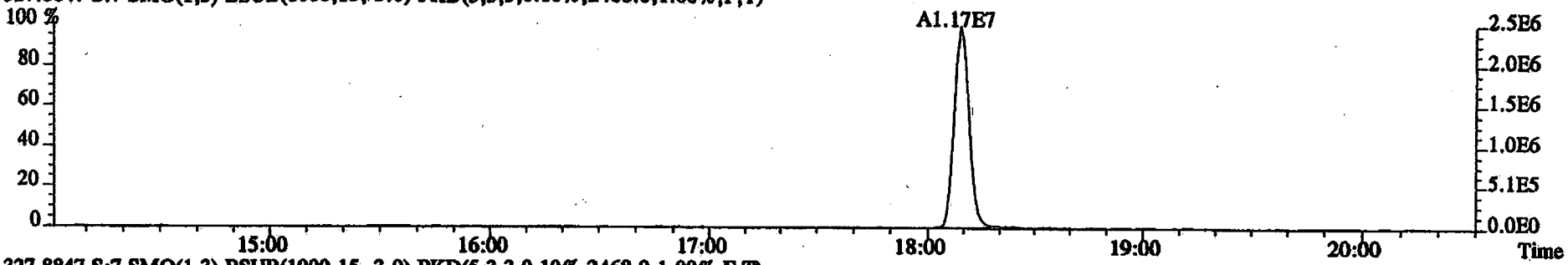
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)



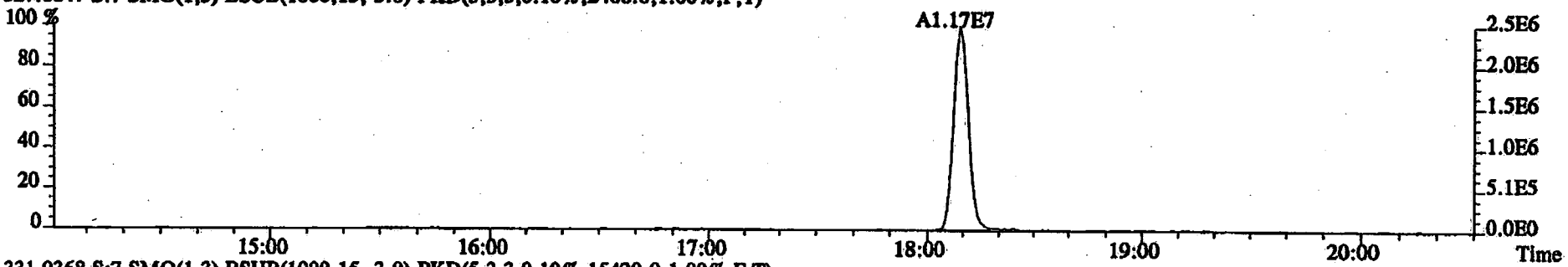
793
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

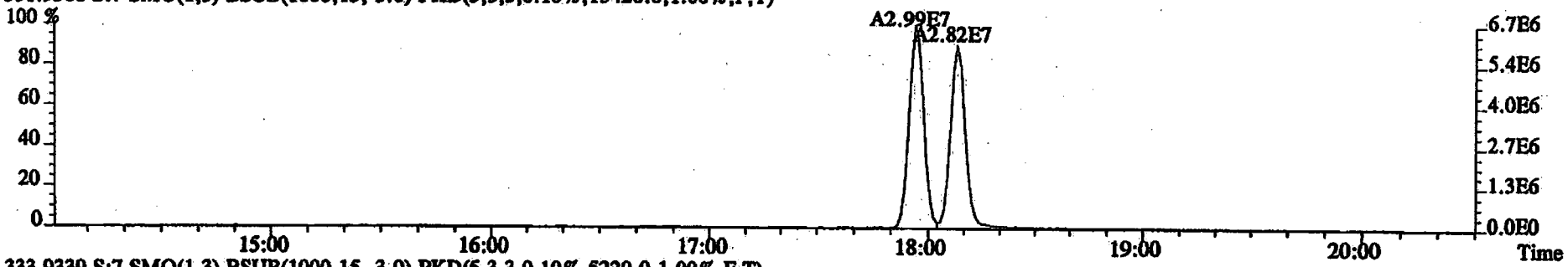
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2468.0,1.00%,F,T)



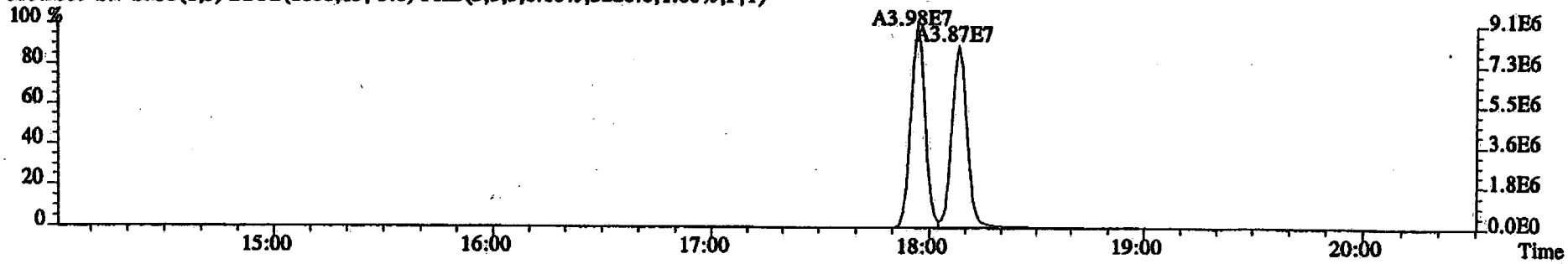
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2468.0,1.00%,F,T)



331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15420.0,1.00%,F,T)



333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)



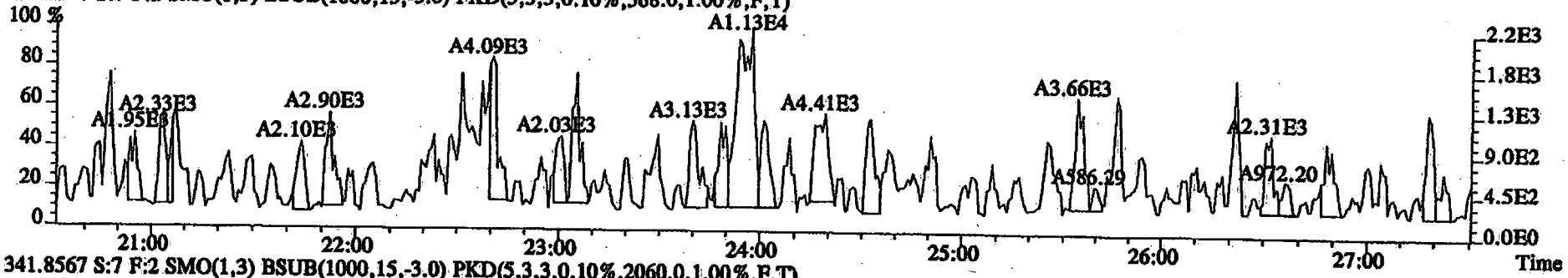
794

STL Edison

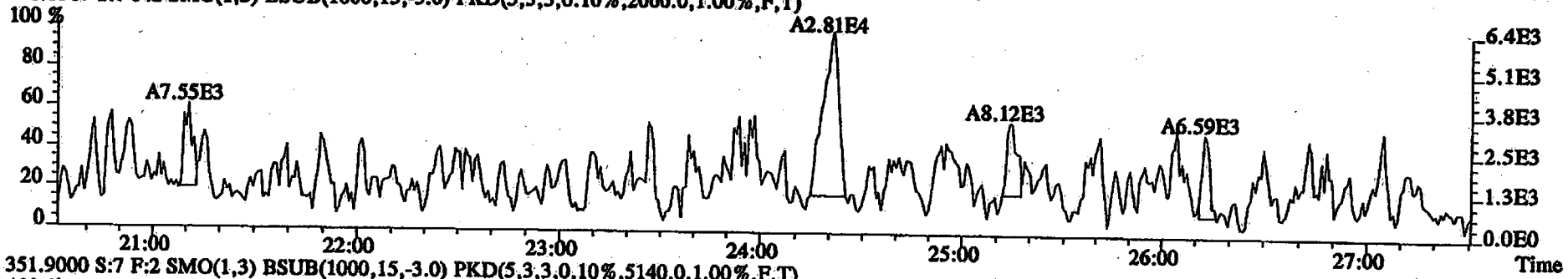
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

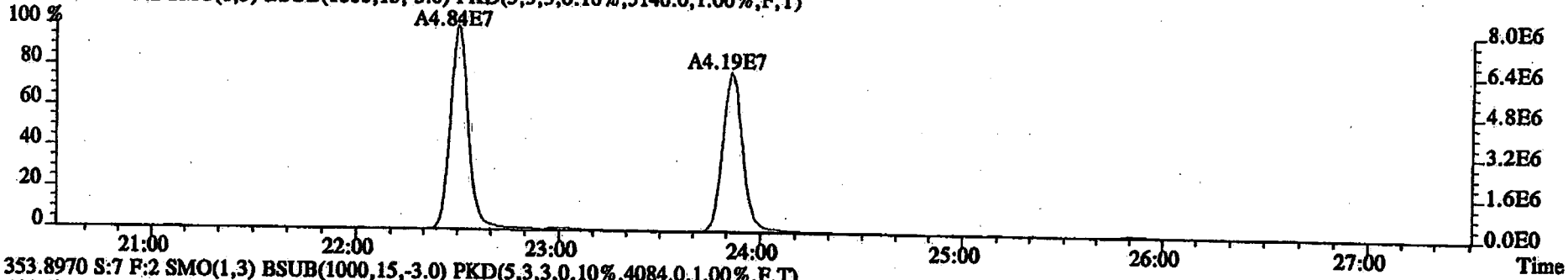
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568.0,1.00%,F,T)



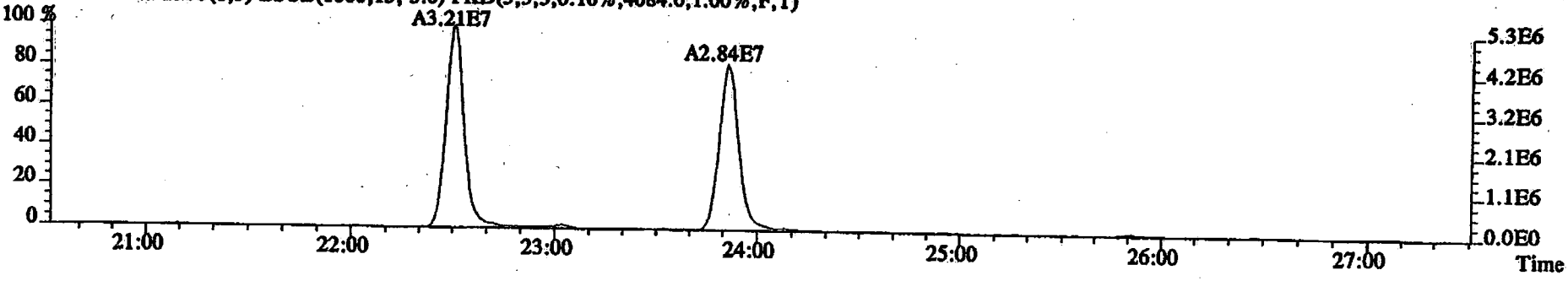
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2060.0,1.00%,F,T)



351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)



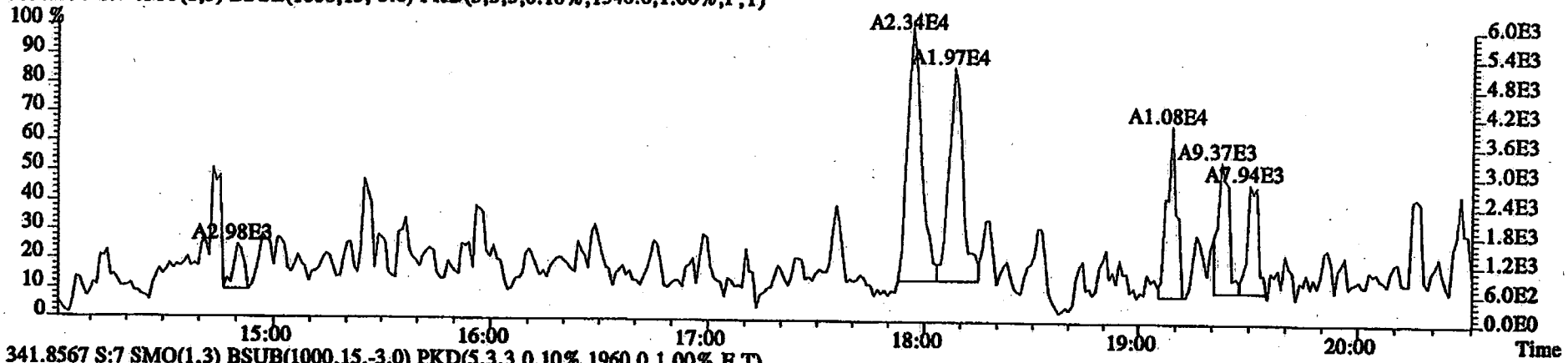
795

STL Edison

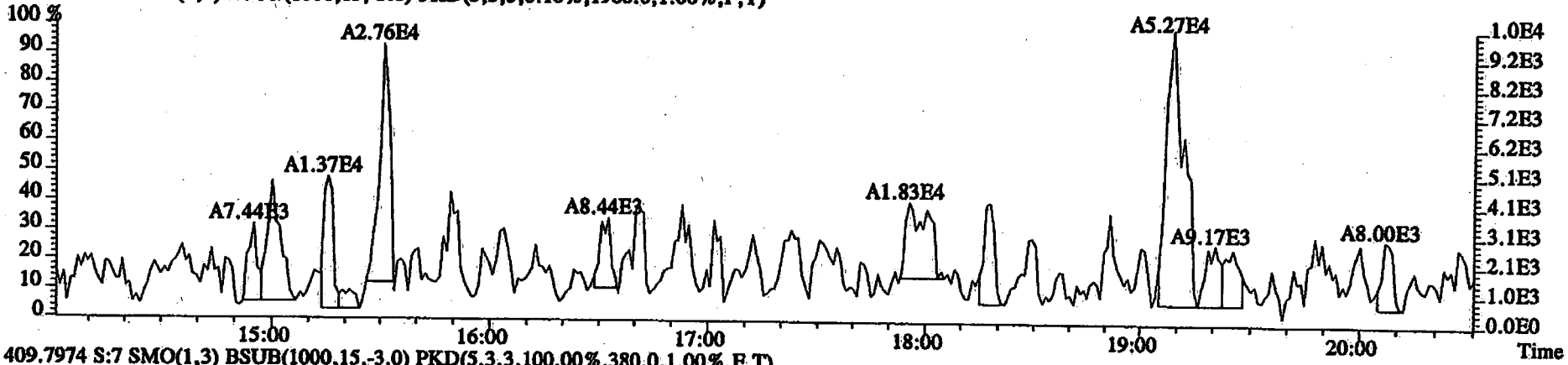
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

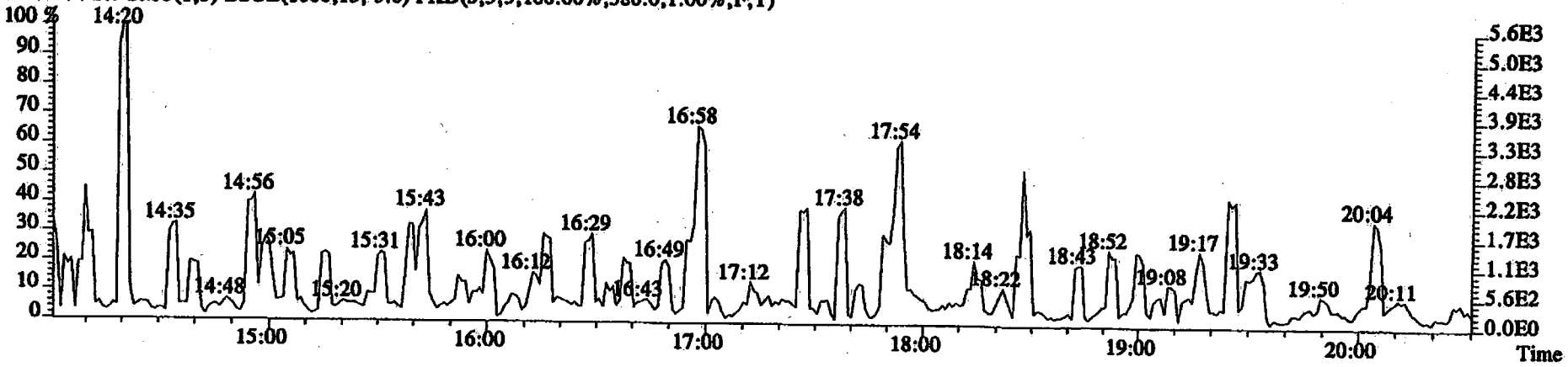
339.8597 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)



341.8567 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1960.0,1.00%,F,T)



409.7974 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,380.0,1.00%,F,T)



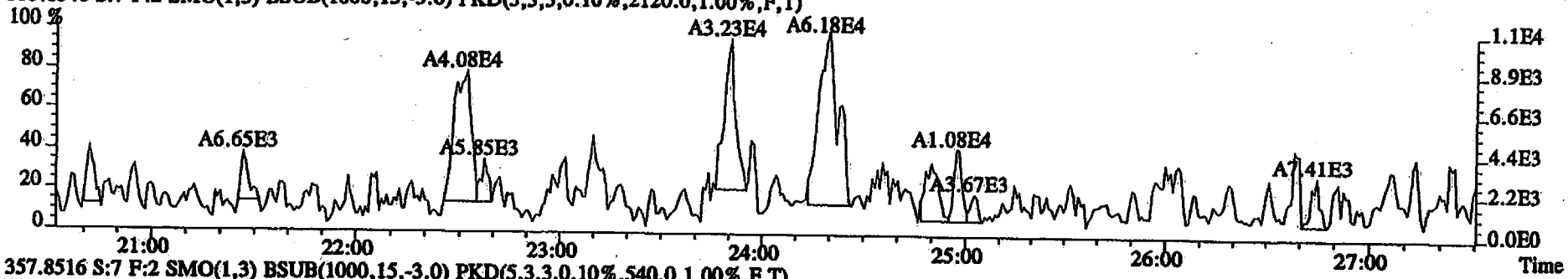
796

STL Edison

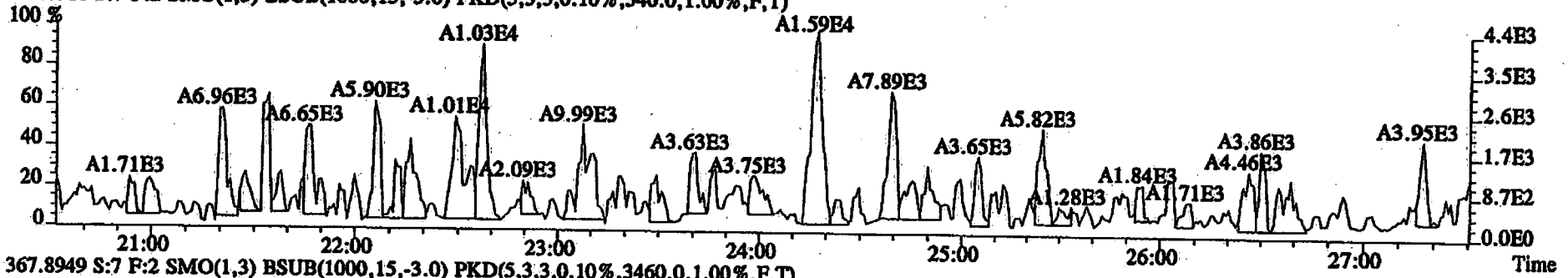
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

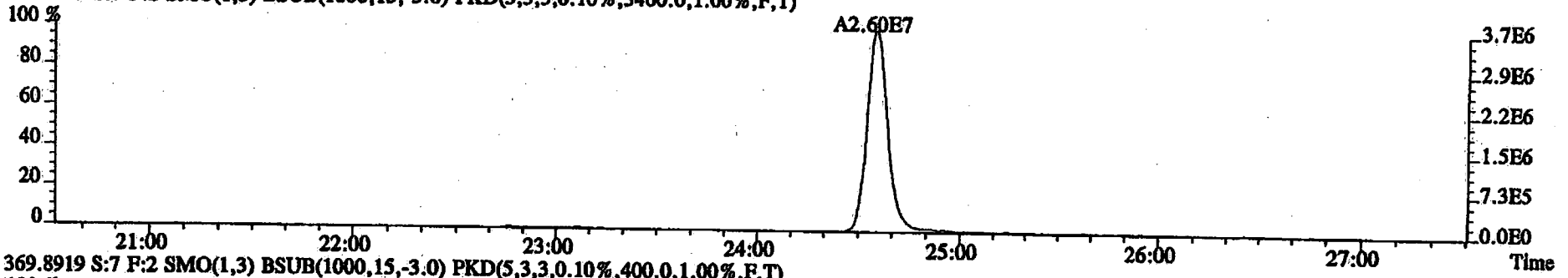
355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2120.0,1.00%,F,T)



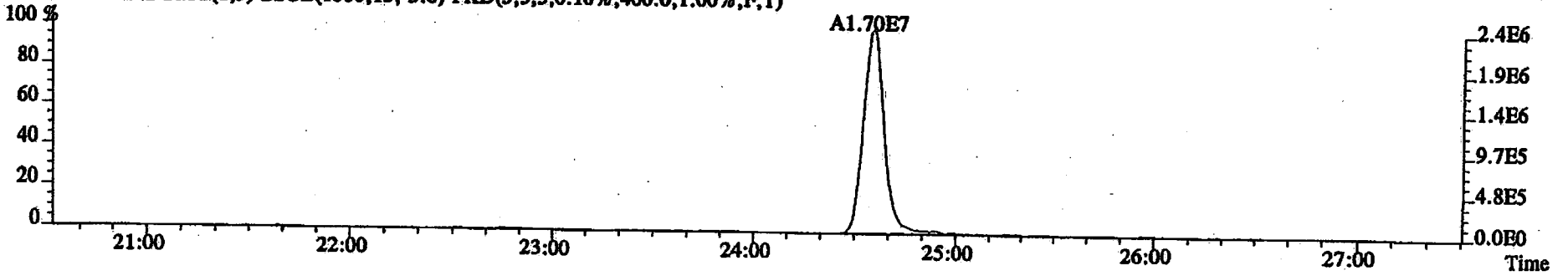
357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3460.0,1.00%,F,T)



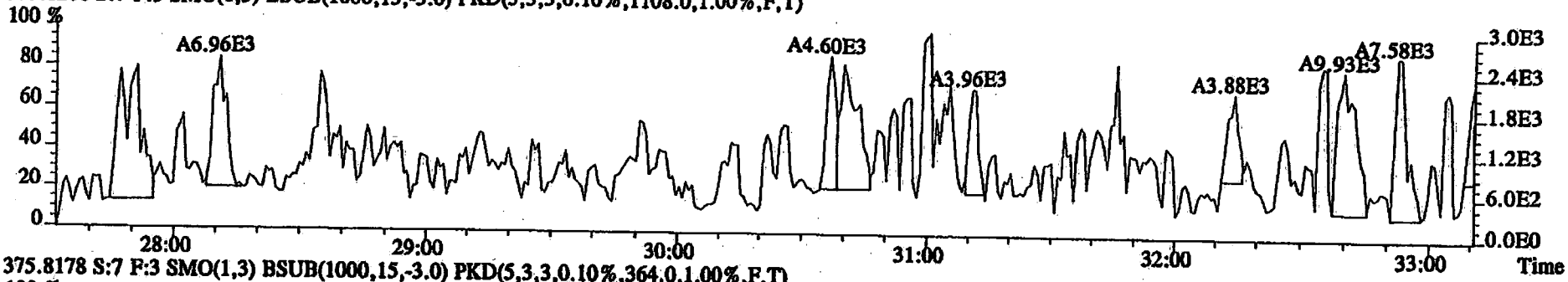
369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)



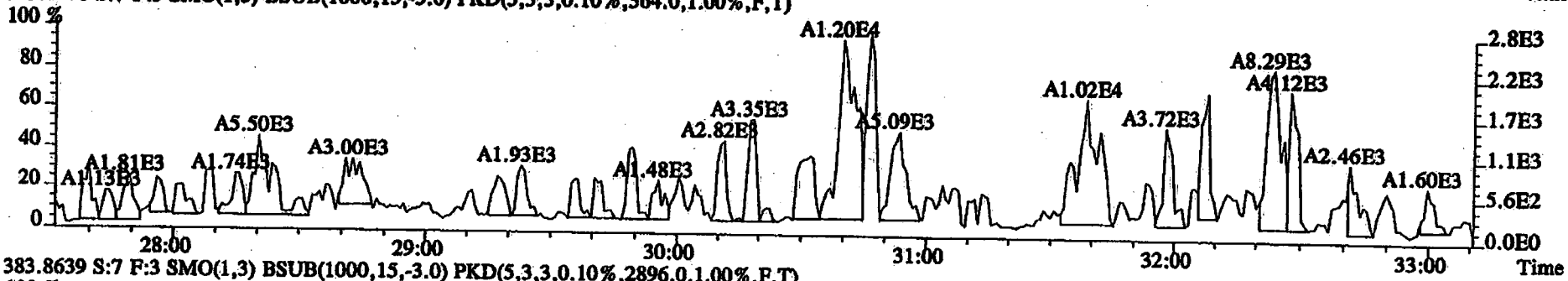
797
STL Edison
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

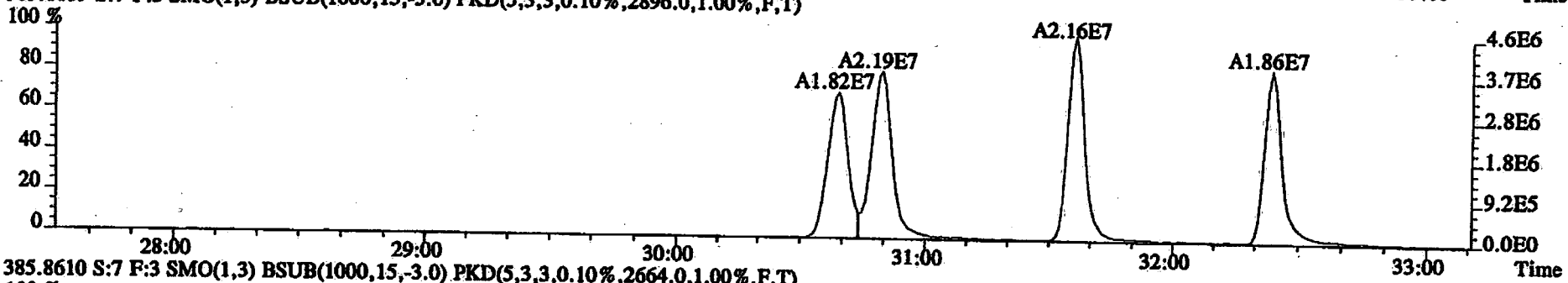
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1108.0,1.00%,F,T)



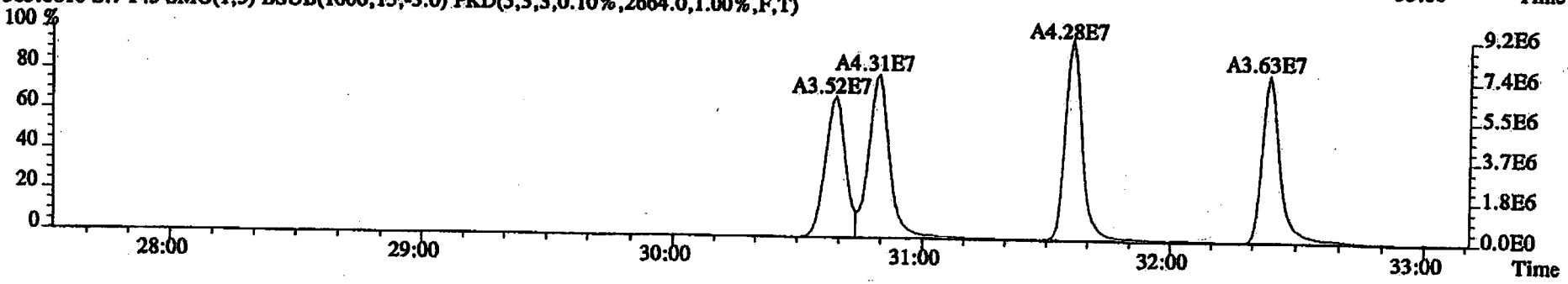
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,364.0,1.00%,F,T)



383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2664.0,1.00%,F,T)

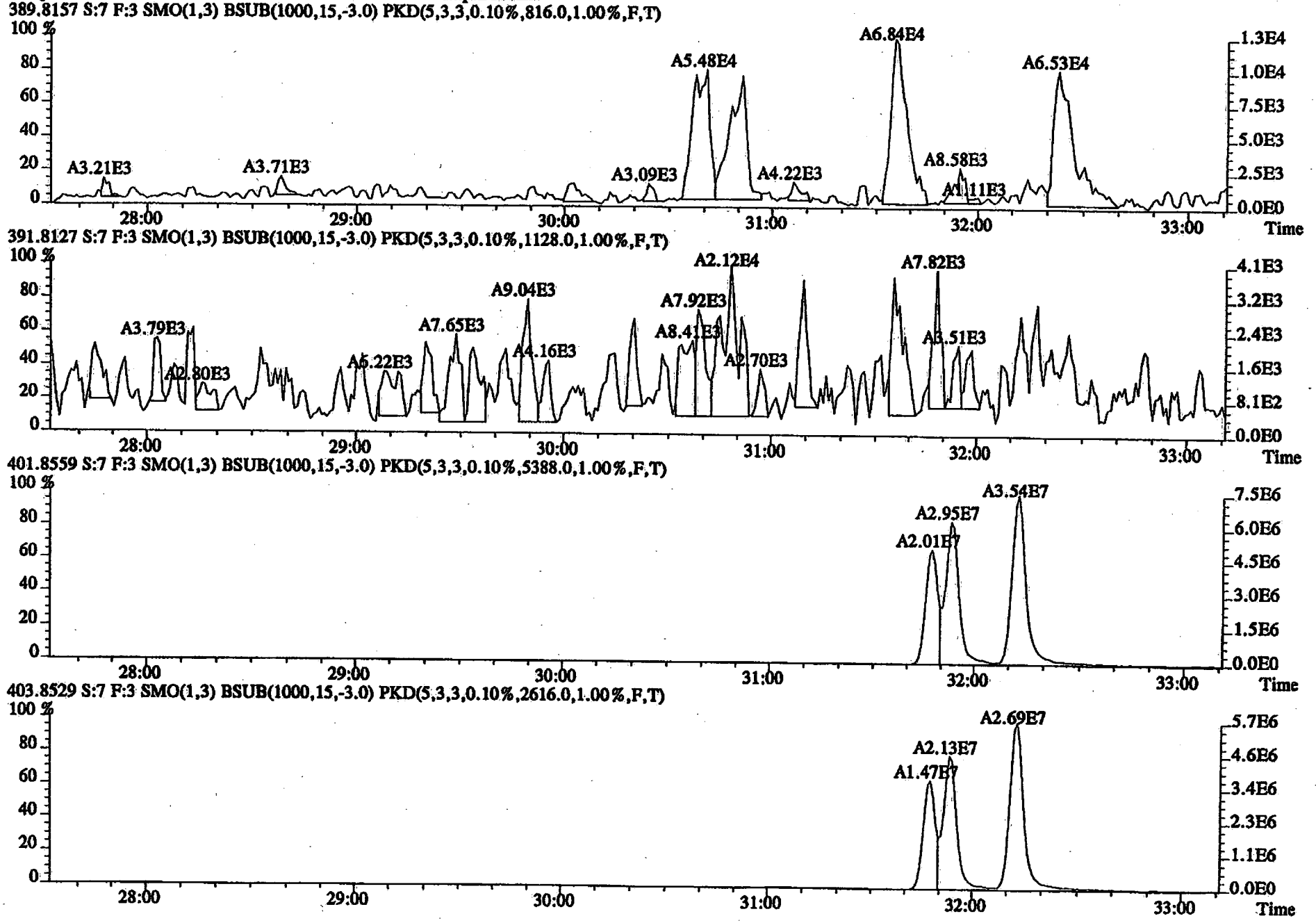


798

STL Edison

U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

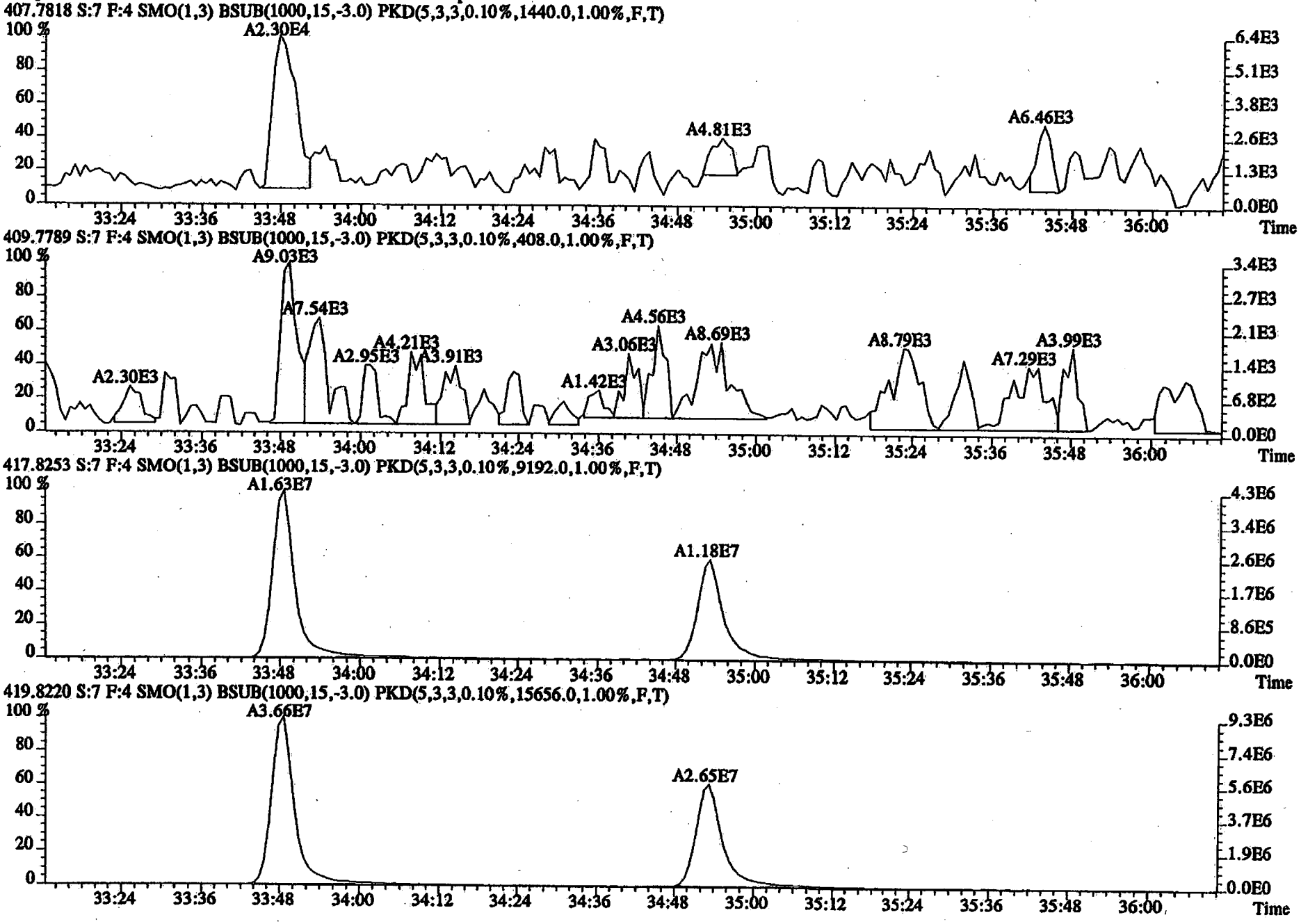


799

STL Edison

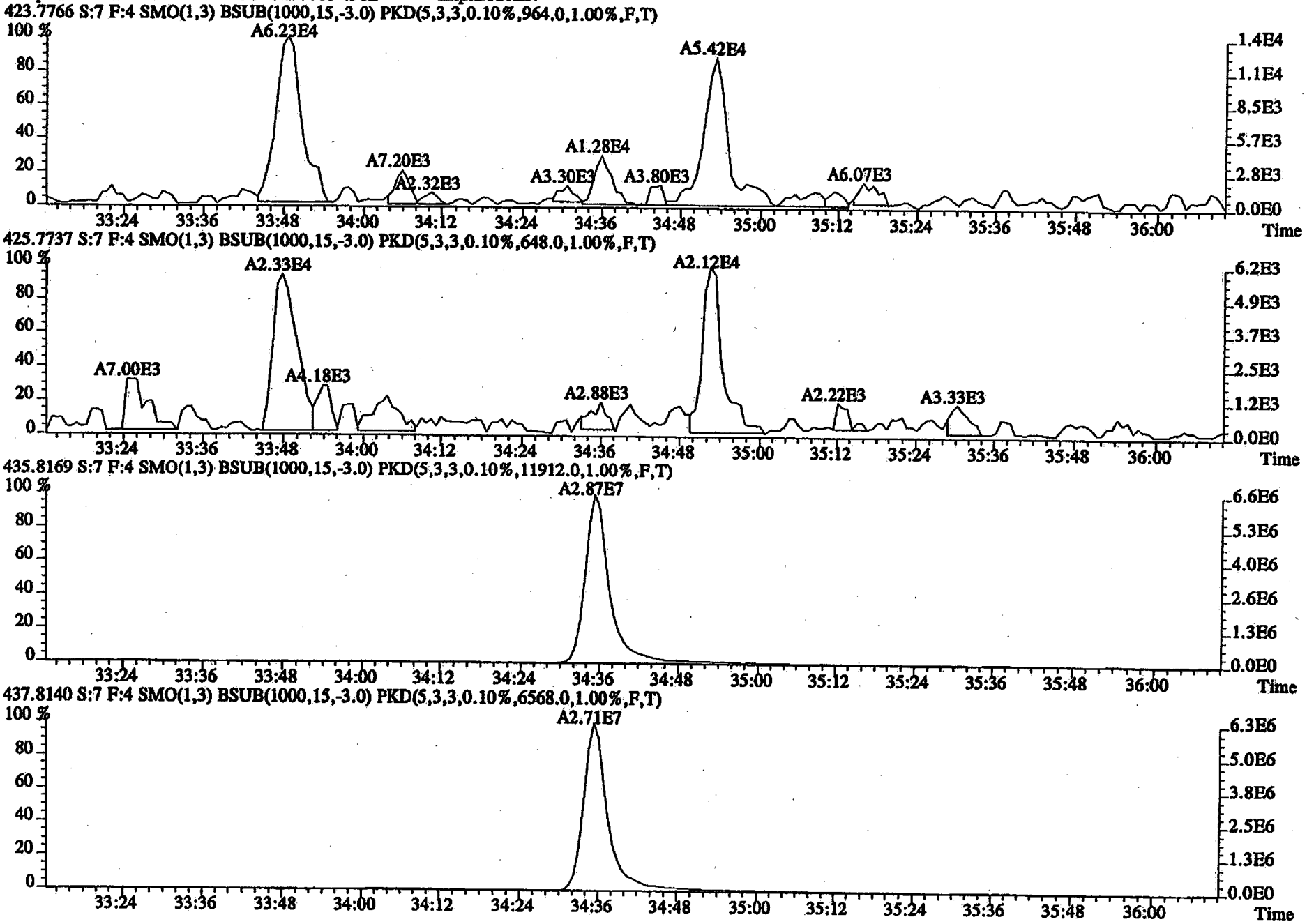
U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN



800
STL Edison
U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

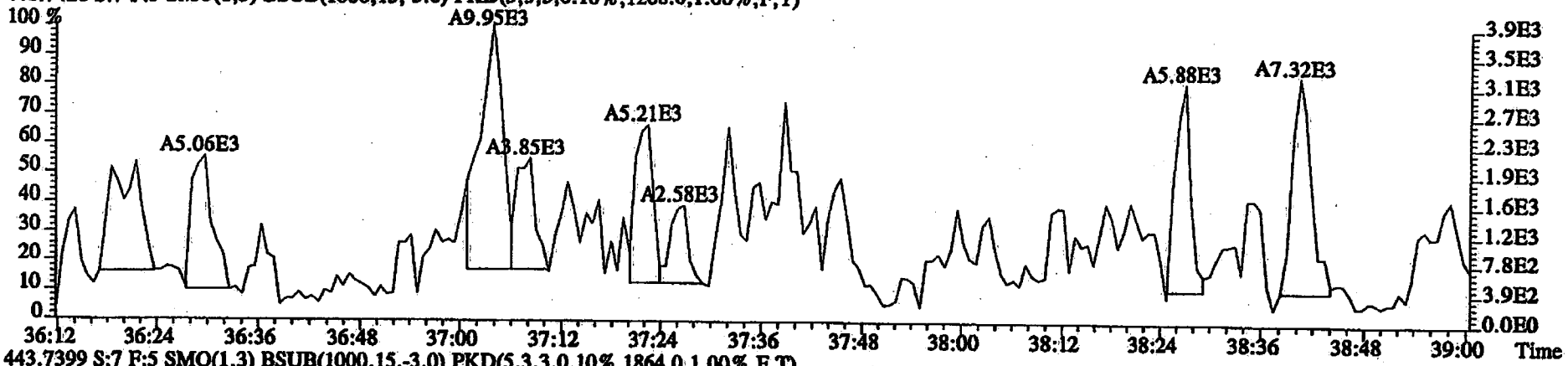


801

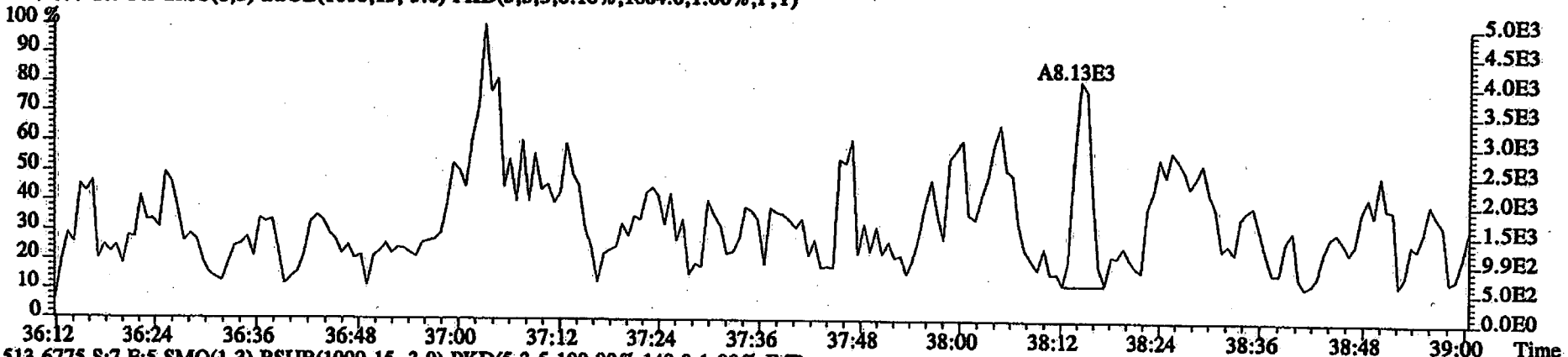
STL Edison

U855

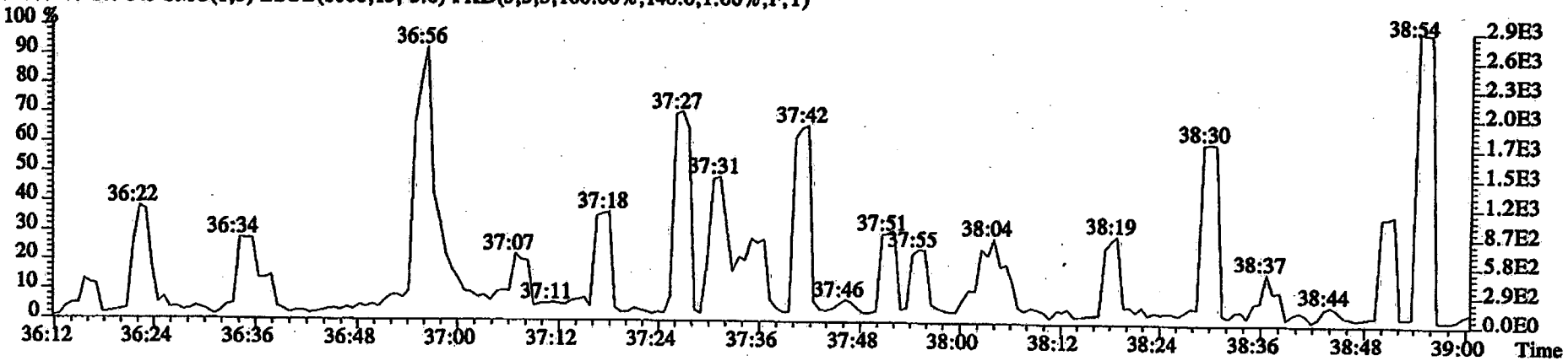
File:21MR059D5 #1-228 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1268.0,1.00%,F,T)



443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,140.0,1.00%,F,T)

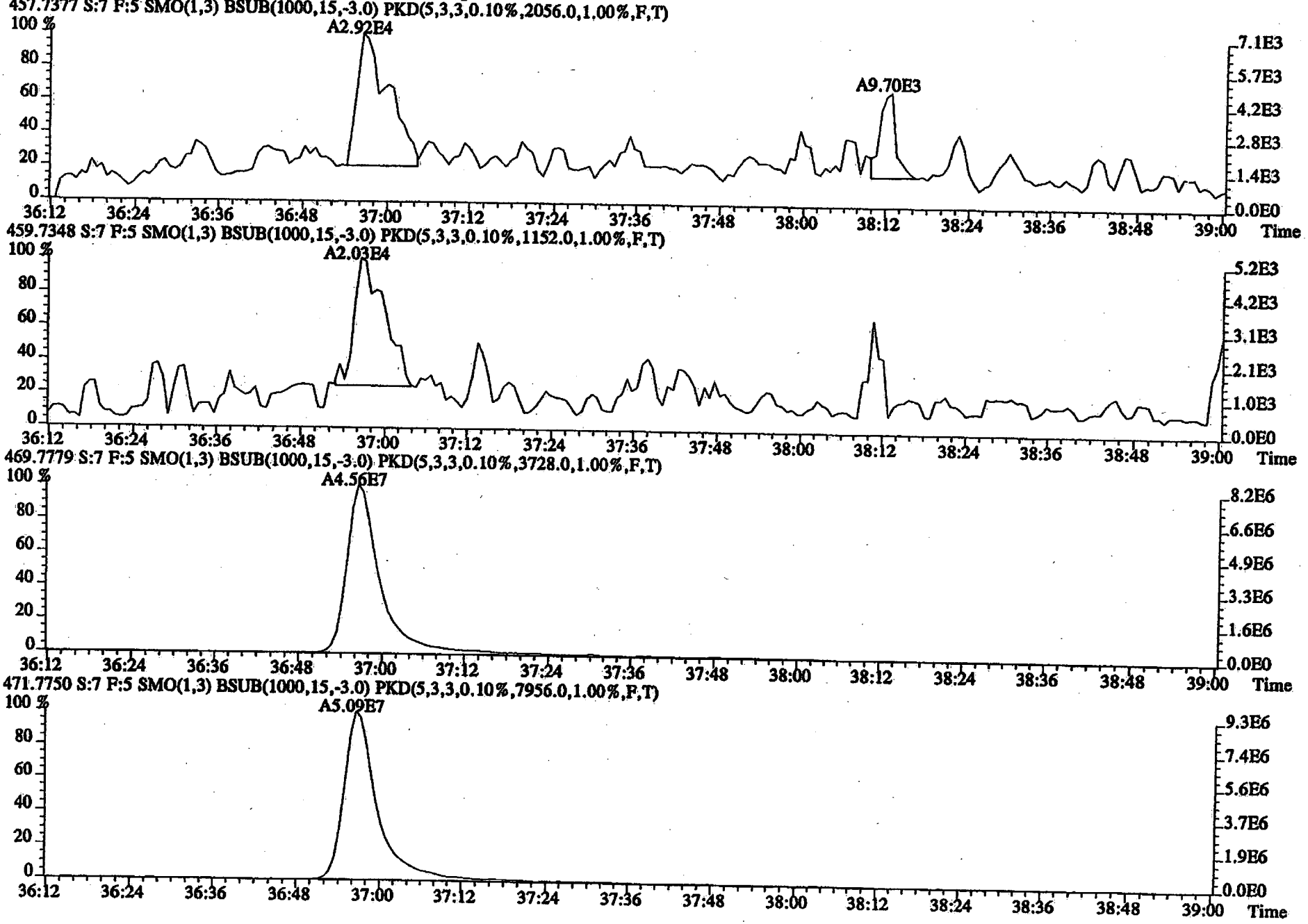


802

STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN



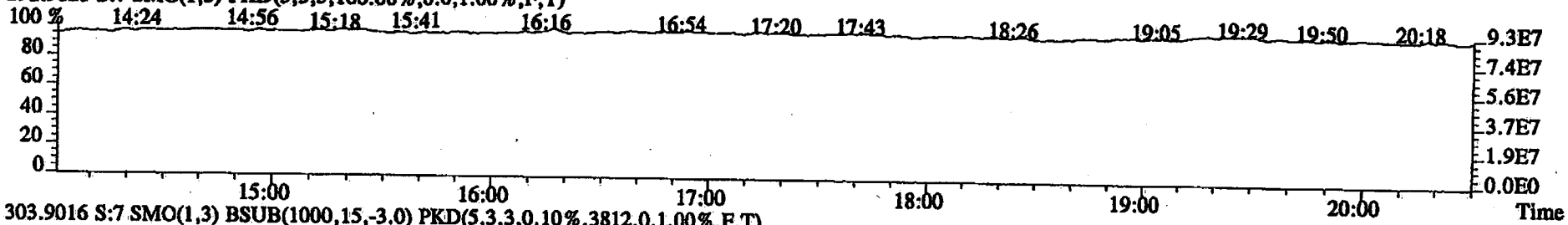
803

STL Edison

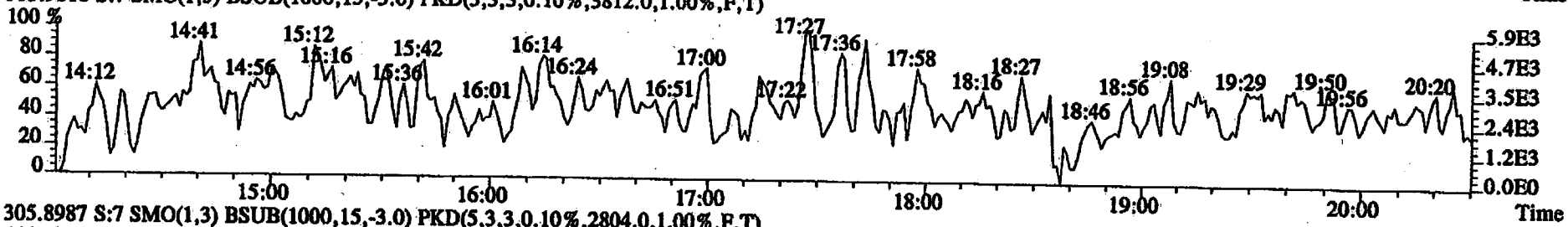
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN

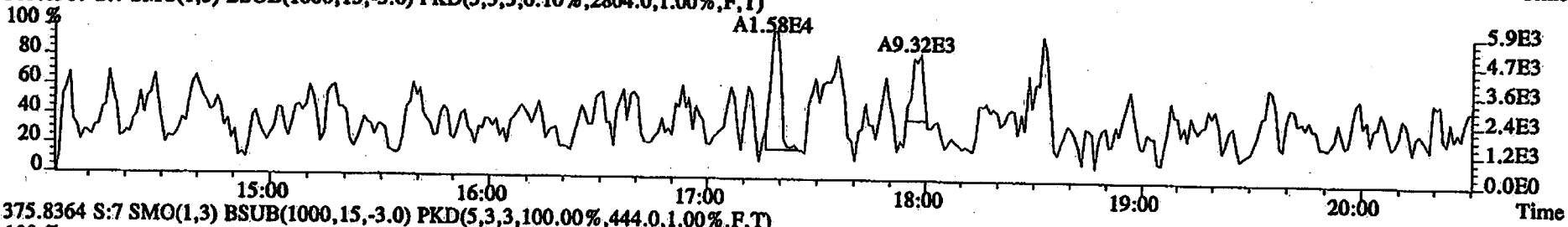
292.9825 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



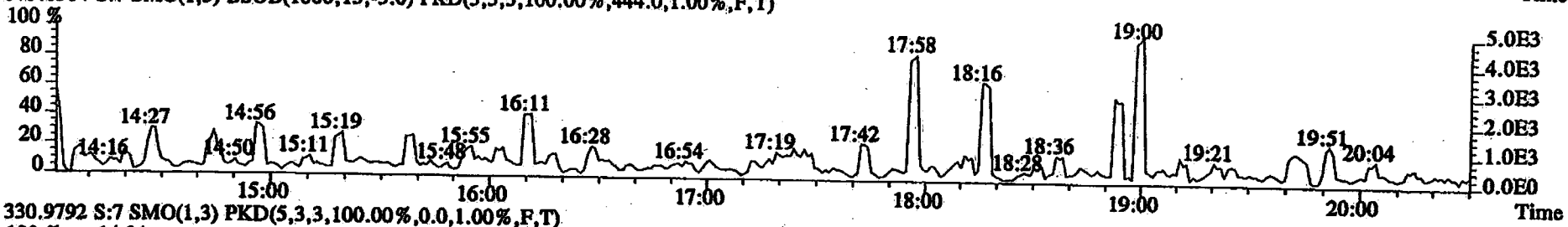
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3812.0,1.00%,F,T)



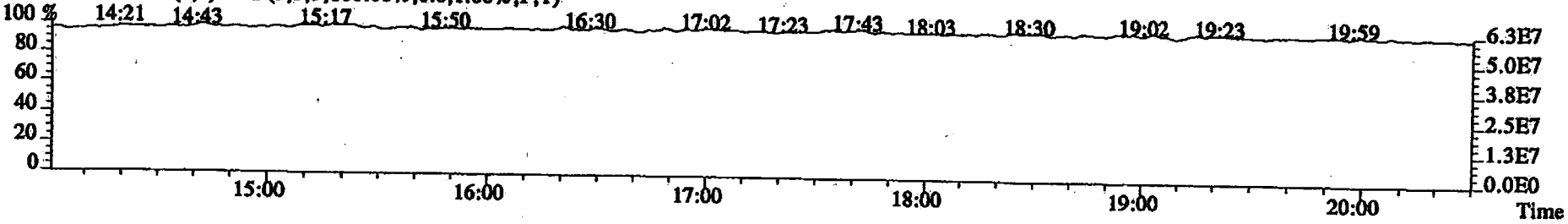
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2804.0,1.00%,F,T)



375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,444.0,1.00%,F,T)

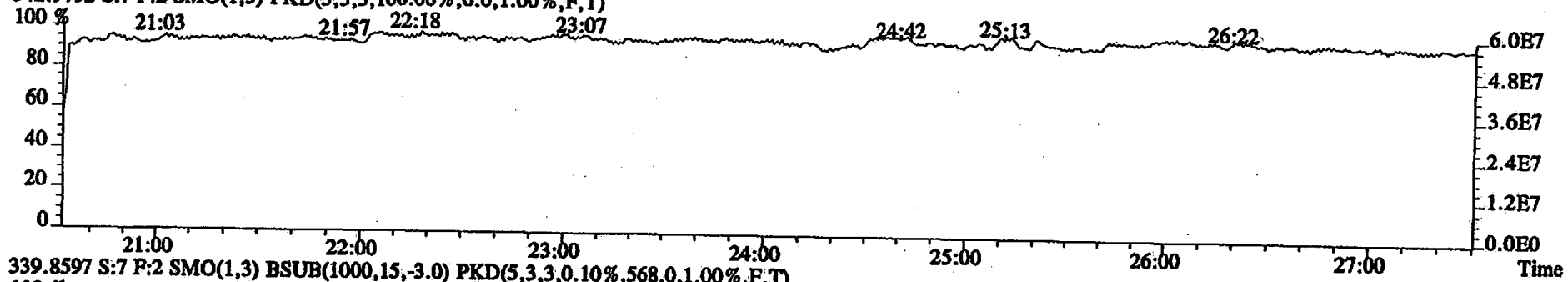


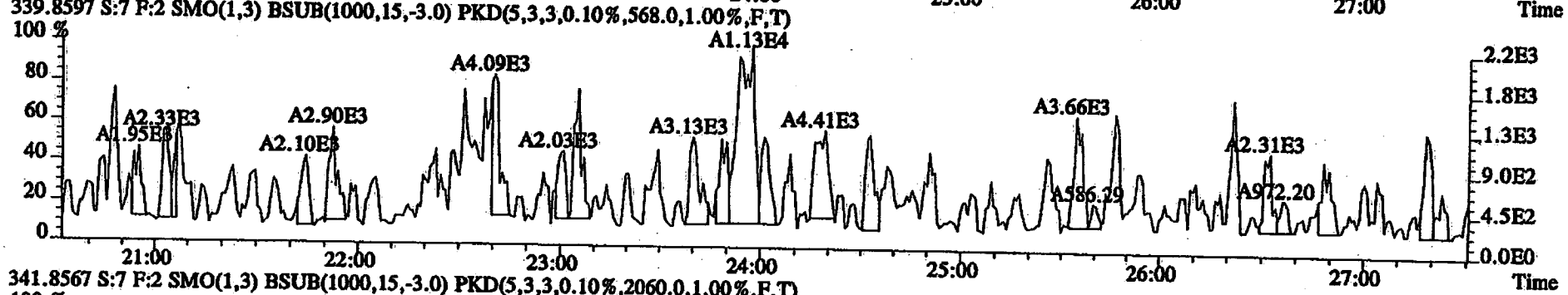
330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

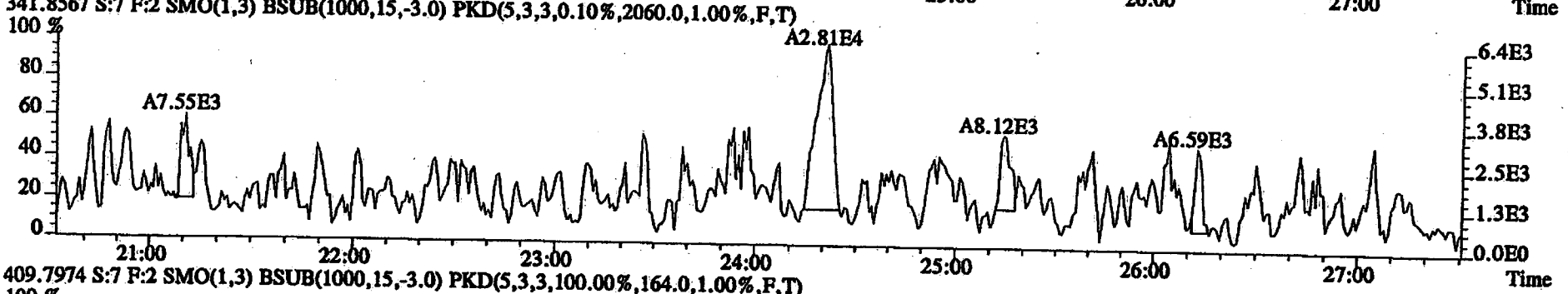


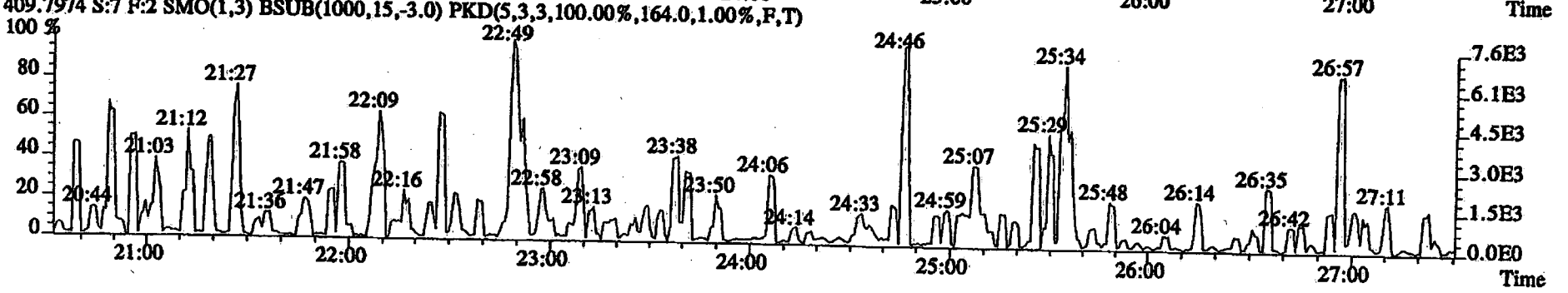
804
STL Edison
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN







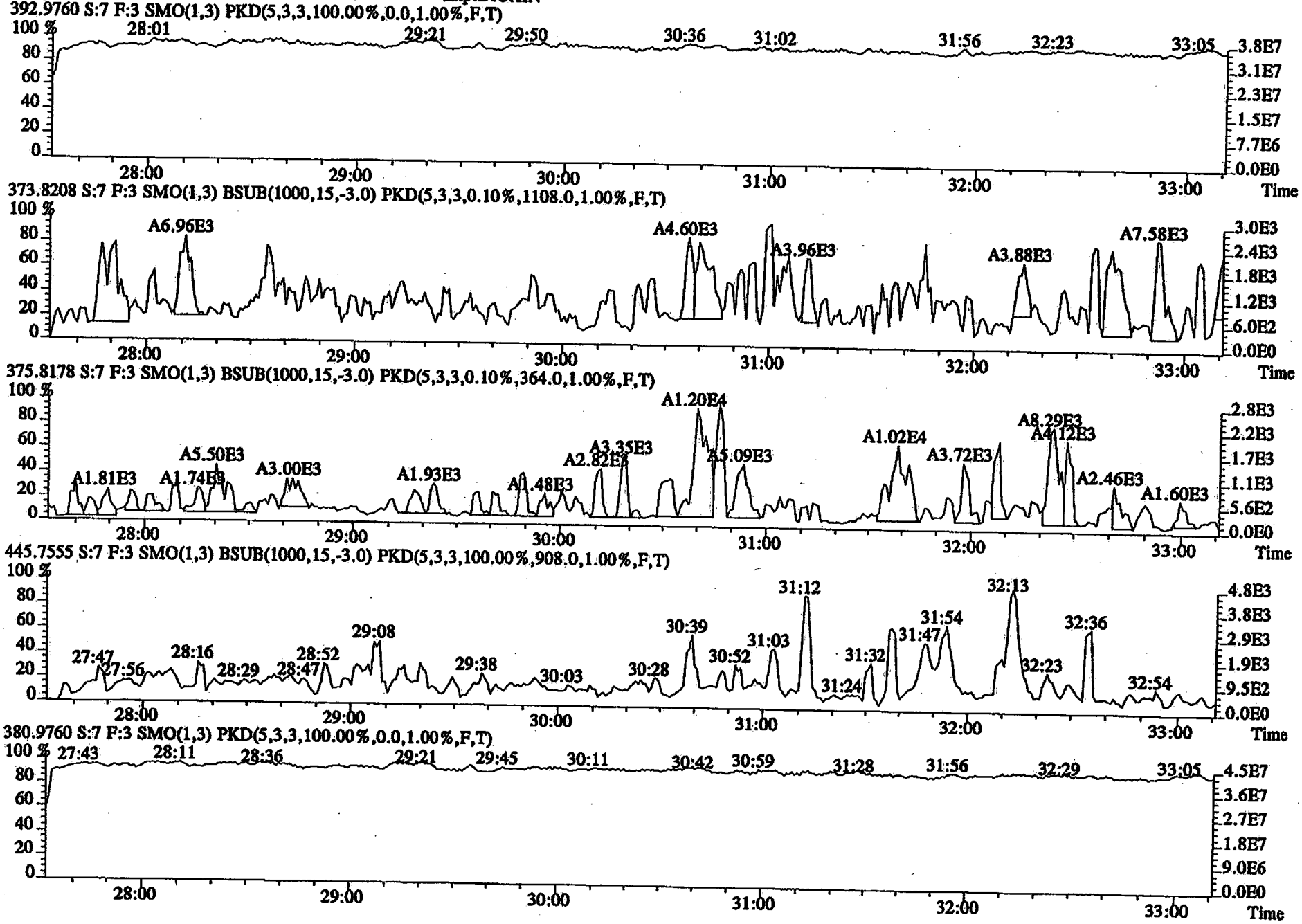


805

STL Edison

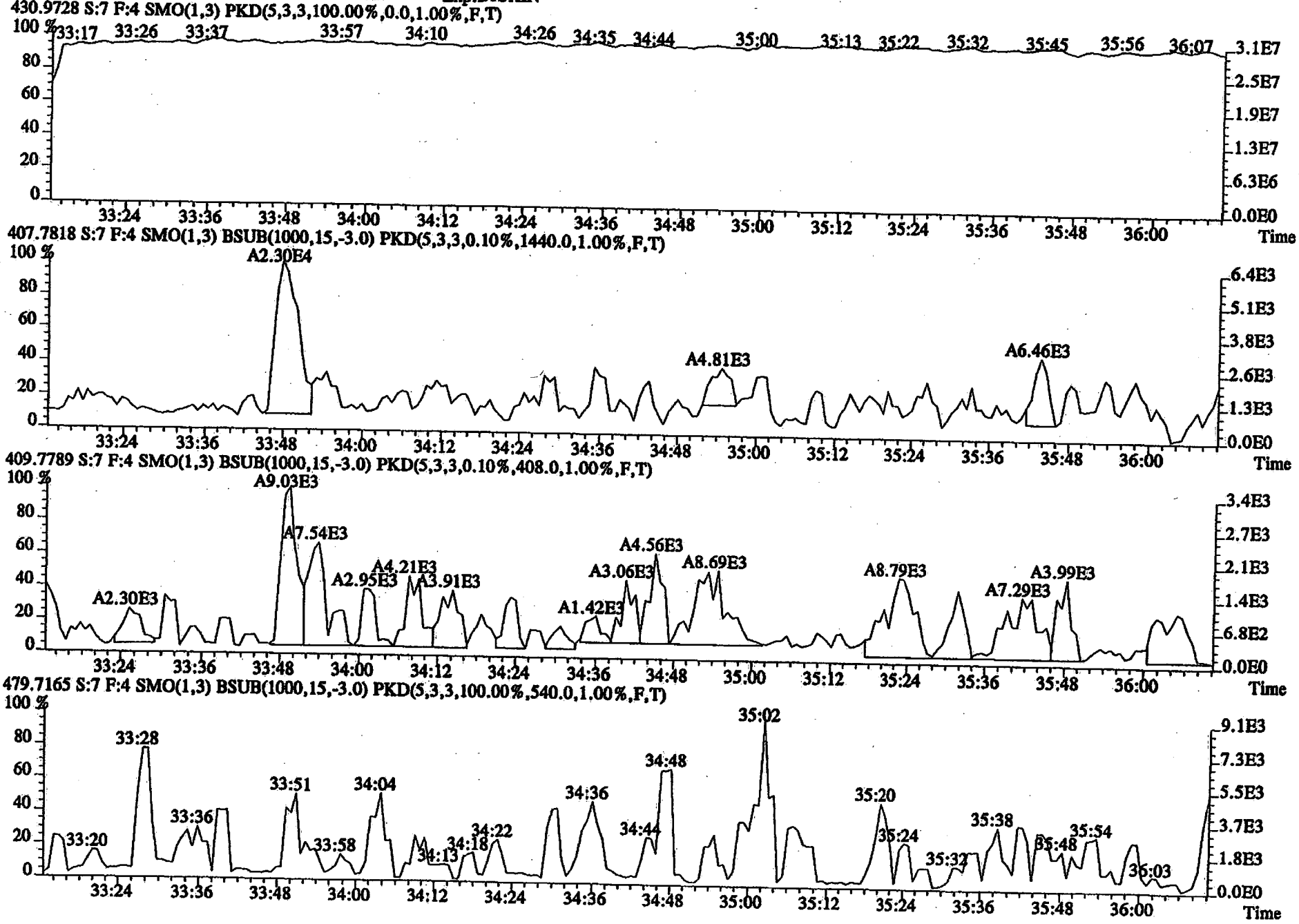
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN



STL Edison
U855
806

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN



807

STL Edison

U855

Run text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C
Run #9 Filename: 21MR059D5 S: 6 I: 1 Results: 21MR059D58290
Acquired: 21-MAR-05 20:00:02 Processed: 22-MAR-05 12:01:34
Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000ng

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	67220400	0.75	y	17:57	-	9.80	-	-	n
13C-2,3,7,8-TCDF	104731900	0.80	y	17:26	1.57	198.59	0.40	99.3	n
2,3,7,8-TCDF	9434060	0.77	y	17:27	0.79	22.83	0.25	-	n
Total TCDF	9733744	1.20	n	17:06	0.79	23.55	0.25	-	n
13C-2,3,7,8-TCDD	66568600	0.73	y	18:08	1.07	184.66	0.69	92.3	n
2,3,7,8-TCDD	6878770	0.85	y	18:09	0.98	21.19	0.14	-	n
Total TCDD	6911849	0.65	n	15:32	0.98	21.29	0.14	-	n
37Cl-2,3,7,8-TCDD	23343800	1.00	y	18:09	1.02	68.42	0.24	85.5	n
13C-1,2,3,7,8-PeCDF	78643200	1.48	y	22:31	1.26	185.20	0.27	92.6	n
1,2,3,7,8-PeCDF	35164300	1.47	y	22:32	0.82	109.43	0.35	-	n
2,3,4,7,8-PeCDF	35957300	1.45	y	23:53	0.84	108.57	0.34	-	n
Total F2 PeCDF	71798951	1.18	n	21:09	0.83	220.07	0.34	-	n
Total F1 PeCDF	*	*	n	NotFnd	0.83	*	0.22	-	n
13C-1,2,3,7,8-PeCDD	41273100	1.52	y	24:36	0.80	153.30	0.18	76.7	n
1,2,3,7,8-PeCDD	27785300	1.52	y	24:38	1.03	130.56	0.45	-	n
Total PeCDD	28067406	6.64	n	20:49	1.03	131.88	0.45	-	n
13C-1,2,3,7,8,9-HxCDD	58228900	1.37	y	32:13	-	8.27	-	-	n
13C-1,2,3,4,7,8-HxCDF	53473100	0.48	y	30:39	1.04	177.41	0.31	88.7	n
1,2,3,4,7,8-HxCDF	31921300	1.14	y	30:41	1.04	114.62	0.11	-	n
1,2,3,6,7,8-HxCDF	35874300	1.17	y	30:51	1.09	123.45	0.10	-	n
2,3,4,6,7,8-HxCDF	33207000	1.15	y	31:37	1.00	124.11	0.11	-	n
1,2,3,7,8,9-HxCDF	28500300	1.18	y	32:25	0.95	112.23	0.12	-	n
Total HxCDF	129624405	1.14	y	30:41	1.02	474.86	0.11	-	n
13C-1,2,3,6,7,8-HxCDD	49338300	1.30	y	31:53	0.86	198.10	0.36	99.0	n
1,2,3,4,7,8-HxCDD	23667400	1.16	y	31:48	0.93	102.87	0.12	-	n
1,2,3,6,7,8-HxCDD	27570100	1.20	y	31:55	0.98	114.24	0.11	-	n
1,2,3,7,8,9-HxCDD	27429500	1.17	y	32:14	1.01	110.57	0.11	-	n
Total HxCDD	79070370	2.62	n	30:49	0.97	329.37	0.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	51055700	0.44	y	33:49	0.97	181.61	0.79	90.8	n
1,2,3,4,6,7,8-HpCDF	31339600	0.99	y	33:49	1.13	108.34	0.31	-	n
1,2,3,4,7,8,9-HpCDF	26899500	1.01	y	34:53	1.03	102.37	0.35	-	n
Total HpCDF	58239100	0.99	y	33:49	1.08	210.70	0.33	-	n
13C-1,2,3,4,6,7,8-HpCDD	53365100	1.07	y	34:35	0.98	187.73	0.61	93.9	n
1,2,3,4,6,7,8-HpCDD	23466100	1.03	y	34:36	0.86	102.56	0.28	-	n
Total HpCDD	23966818	6.26	n	33:49	0.86	104.75	0.28	-	n
13C-OCDD	94713700	0.91	y	36:56	0.92	351.81	0.66	88.0	n

OCDF	51416600	0.88	y	37:02	1.03	210.68	0.46	-	n
OCDD	44770200	0.91	y	36:57	0.91	207.14	0.47	-	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:2
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	235.52 of which	228.27 named and	7.25	unnamed
Conc:	23.55 of which	22.83 named and	0.73	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:06	1.20	n	0.73	202561	6.1	y	n
						169313	11.5	y	n
2,3,7,8-TCDF	2	17:27	0.77	y	22.83	4096930	181.8	y	n
						5337130	419.5	y	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:3
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	212.92 of which	211.91 named and	1.02	unnamed
Conc:	21.29 of which	21.19 named and	0.10	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:32	0.65	n	0.04	5675	1.3	n	n
						8772	1.3	n	n
	2	17:26	5.74	n	0.06	65004	8.6	y	n
						11318	1.8	n	n
2,3,7,8-TCDD	3	18:09	0.85	y	21.19	3164230	420.0	y	n
						3714540	498.3	y	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:6
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	2200.70 of which	2179.94 named and	20.76	unnamed
Conc:	220.07 of which	217.99 named and	2.08	unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N >? Mod?

	1	21:09	1.18	n	0.40	79304	5.0	y	n
						67278	3.4	y	n
	2	21:58	1.25	n	0.15	29898	2.5	n	n
						23909	1.5	n	n
1,2,3,7,8-PeCDF	3	22:32	1.47	y	109.43	20920000	1324.7	y	n
						14244300	647.1	y	n
	4	23:04	1.30	n	1.30	257038	15.1	y	n
						198359	6.9	y	n
2,3,4,7,8-PeCDF	5	23:53	1.45	y	108.57	21257900	1193.7	y	n
						14699400	612.5	y	n
	6	25:55	2.65	n	0.23	77622	4.9	y	n
						29344	1.5	n	n

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Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:0
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	* of which	* named and	* unnamed
Conc:	* of which	* named and	* unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	NotF	*	n	*	*	*	n	n
						*	*	n	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:8
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	1318.85 of which	1305.59 named and	13.26	unnamed
Conc:	131.88 of which	130.56 named and	1.33	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:49	6.64	n	0.02	9298	1.3	n	n
						1401	0.2	n	n
	2	22:32	3.18	n	0.22	57467	3.5	y	n
						18099	3.0	n	n
	3	23:06	3.32	n	0.12	33885	2.6	n	n
						10211	1.4	n	n
	4	23:11	2.13	n	0.12	21713	2.0	n	n
						10211	1.4	n	n
	5	24:19	8.24	n	0.09	60376	3.8	y	n
						7326	1.6	n	n
1,2,3,7,8-PeCDD	6	24:38	1.52	y	130.56	16756300	819.0	y	n
						11029000	957.5	y	n
	7	24:59	2.00	n	0.60	100069	5.3	y	n
						50073	4.4	y	n
	8	25:21	1.08	n	0.16	20631	1.9	n	n
						19031	2.3	n	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:6
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	4748.61 of which	4744.16 named and	4.46	unnamed
Conc:	474.86 of which	474.42 named and	0.45	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,7,8-HxCDF	1	30:41	1.14	y	114.62	17011600	2545.0	y	n
						14909700	4562.6	y	n
1,2,3,6,7,8-HxCDF	2	30:51	1.17	y	123.45	19323100	2816.8	y	n
						16551200	4761.1	y	n
2,3,4,6,7,8-HxCDF	3	31:37	1.15	y	124.11	17757100	3063.0	y	n

						15449900	5449.9	y	n
1,2,3,7,8,9-HxCDF	4	32:25	1.18	y	112.23	15402800	2733.3	y	n
						13097500	4720.0	y	n
	5	32:56	2.07	n	0.38	94897	10.7	y	n
						45860	13.6	y	n
	6	33:06	3.63	n	0.07	30437	6.2	y	n
						8384	4.7	y	n

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Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:6
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount: 3293.66 of which 3276.84 named and 16.82 unnamed
Conc: 329.37 of which 327.68 named and 1.68 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:49	2.62	n	0.19	54420	10.3	y	n
						20769	3.0	y	n
1,2,3,4,7,8-HxCDD	2	31:48	1.16	y	102.87	12726600	4273.3	y	n
						10940800	2151.7	y	n
1,2,3,6,7,8-HxCDD	3	31:55	1.20	y	114.24	15039700	4612.4	y	n
						12530400	2287.5	y	n
1,2,3,7,8,9-HxCDD	4	32:14	1.17	y	110.57	14780500	4379.6	y	n
						12649000	2205.4	y	n
	5	32:40	0.73	n	0.74	98753	29.1	y	n
						134612	14.2	y	n
	6	32:44	0.73	n	0.74	98788	19.9	y	n
						134612	14.2	y	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:2
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	2107.04	of which	2107.04	named and	* unnamed
Conc:	210.70	of which	210.70	named and	* unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	33:49	0.99	y	108.34	15597000	822.1	y	n
						15742600	1248.5	y	n
1,2,3,4,7,8,9-HpCDF	2	34:53	1.01	y	102.37	13498500	619.8	y	n
						13401000	910.4	y	n

Run Text: G6GXD-1-AC Sample text: G6GXD-1-AC :G5C170000-490C

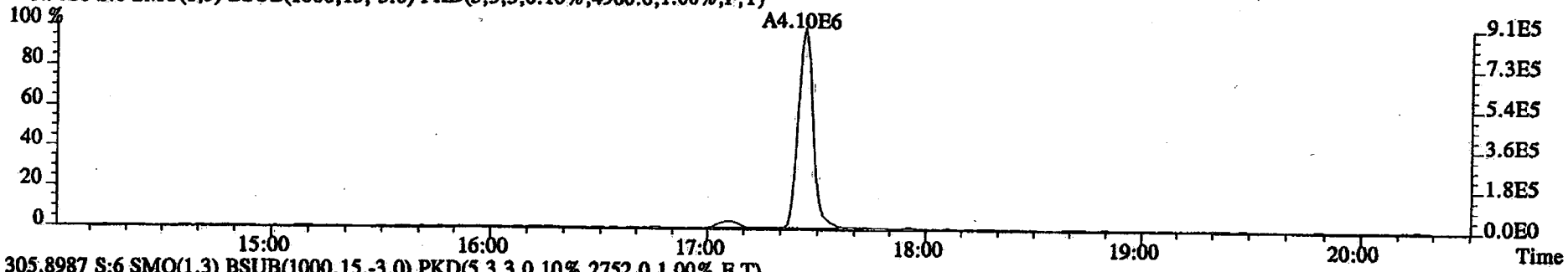
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 9 File: 21MR059D5 S:6 Acq:21-MAR-05 20:00:02
Tables: Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D

Amount:	1047.46	of which	1025.57	named and	21.88 unnamed
Conc:	104.75	of which	102.56	named and	2.19 unnamed

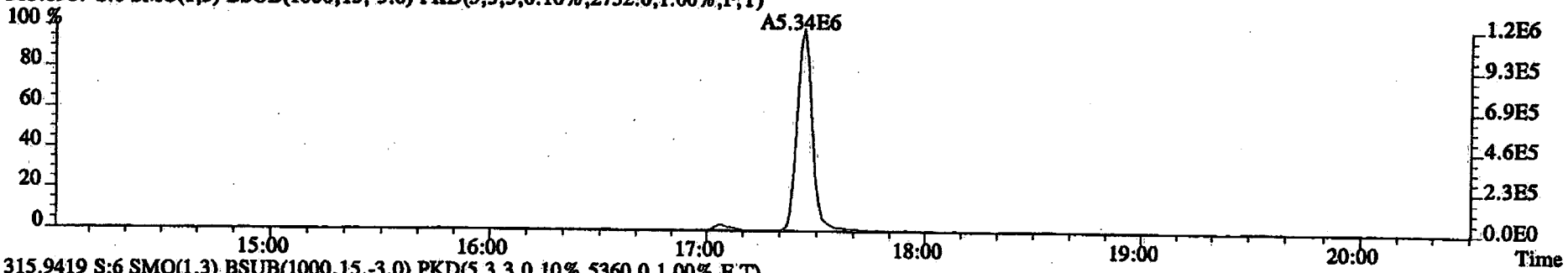
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	33:49	6.26	n	0.12	81345	7.8	y	n
						12998	1.9	n	n
	2	34:03	1.01	y	0.30	35124	3.9	y	n
						34645	4.8	y	n
1,2,3,4,6,7,8-HpCDD	3	34:36	1.03	y	102.56	11907700	963.7	y	n
						11558400	1301.1	y	n
	4	34:53	1.56	n	1.77	310068	17.6	y	n
						198252	14.9	y	n

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

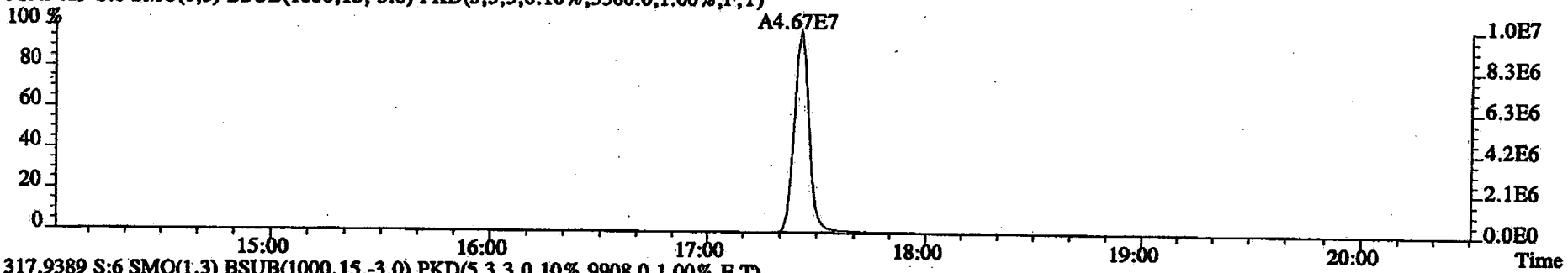
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4960.0,1.00%,F,T)



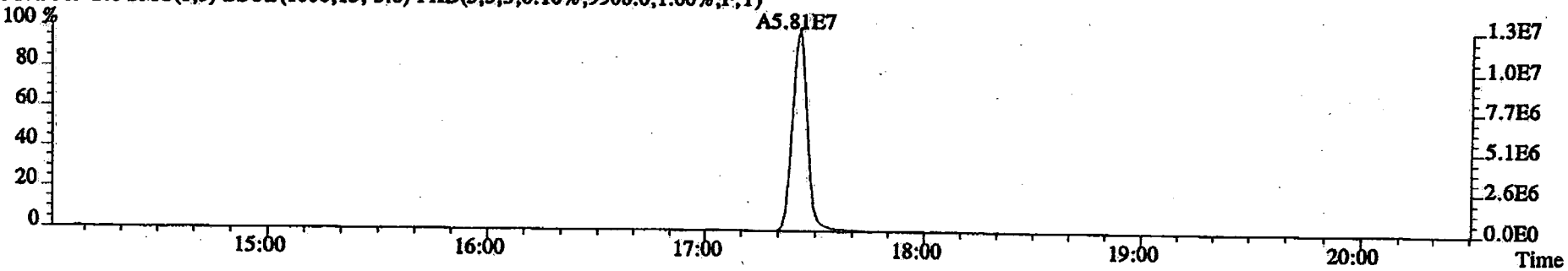
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)



315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5360.0,1.00%,F,T)



317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9908.0,1.00%,F,T)



815
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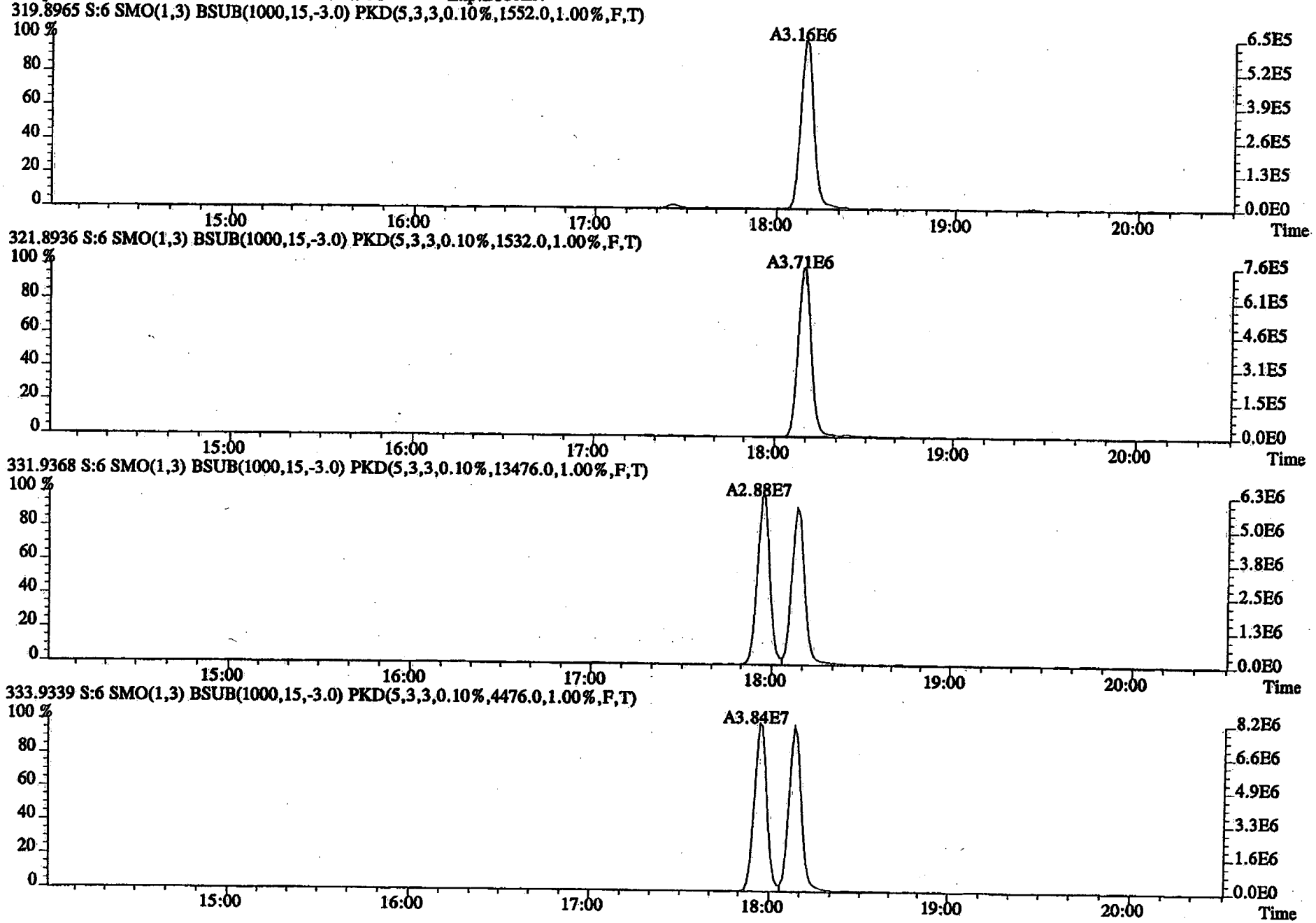
File:21MR059D5 #1-404 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN



816

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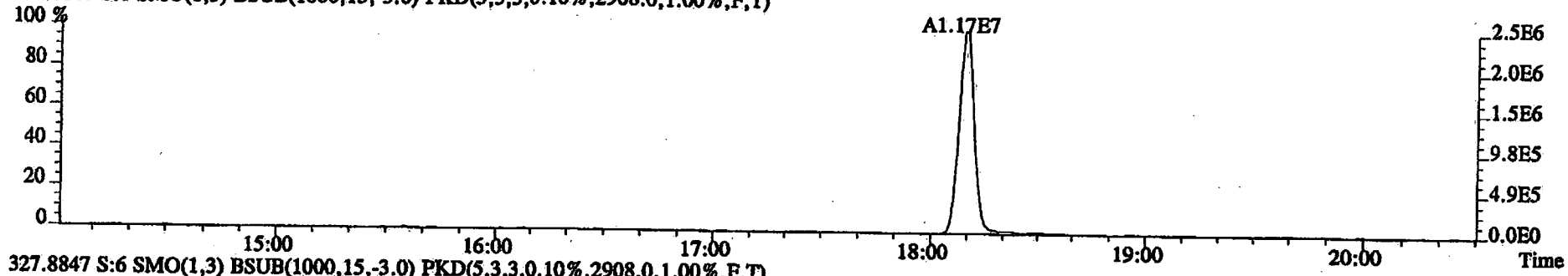
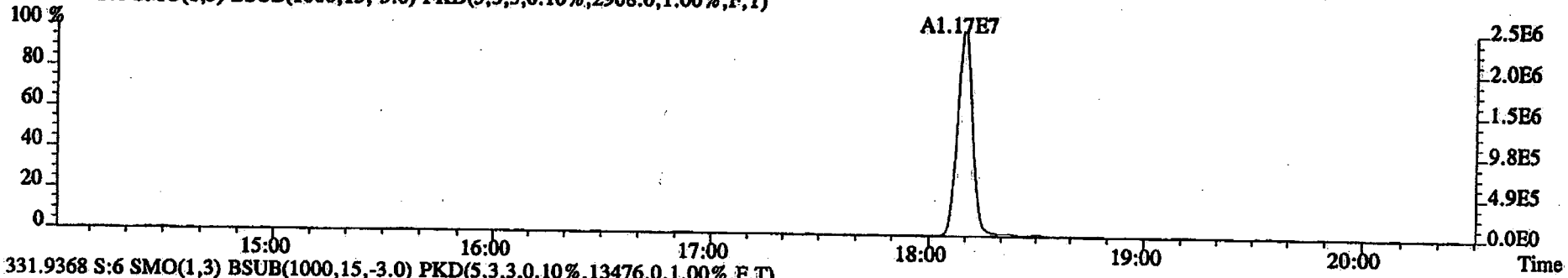
File:21MR059D5 #1-404 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

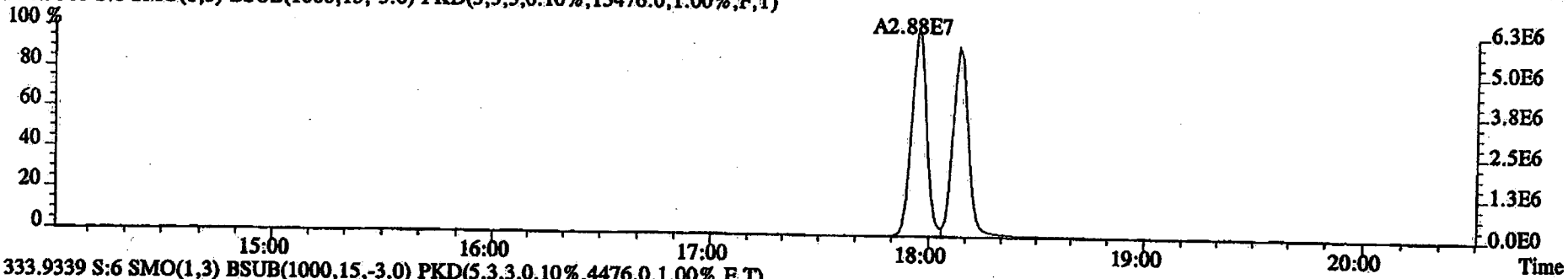
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2908.0,1.00%,F,T)



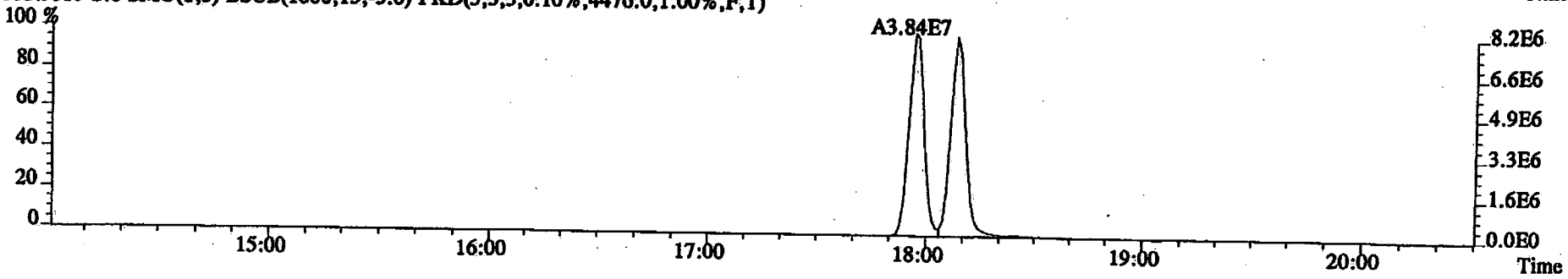
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2908.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13476.0,1.00%,F,T)



333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4476.0,1.00%,F,T)



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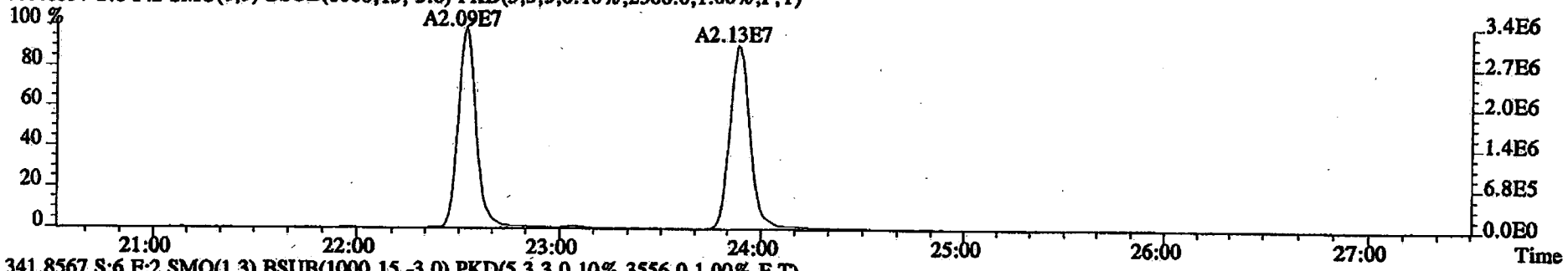
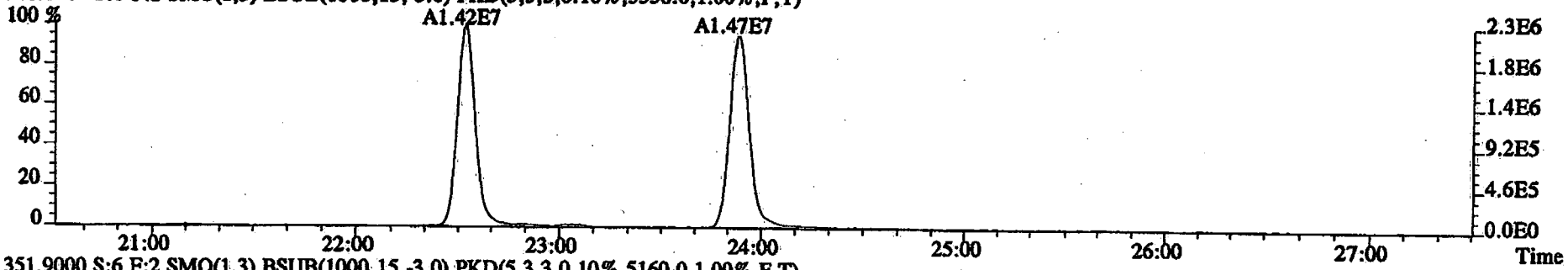
File:21MR059D5 #1-557 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

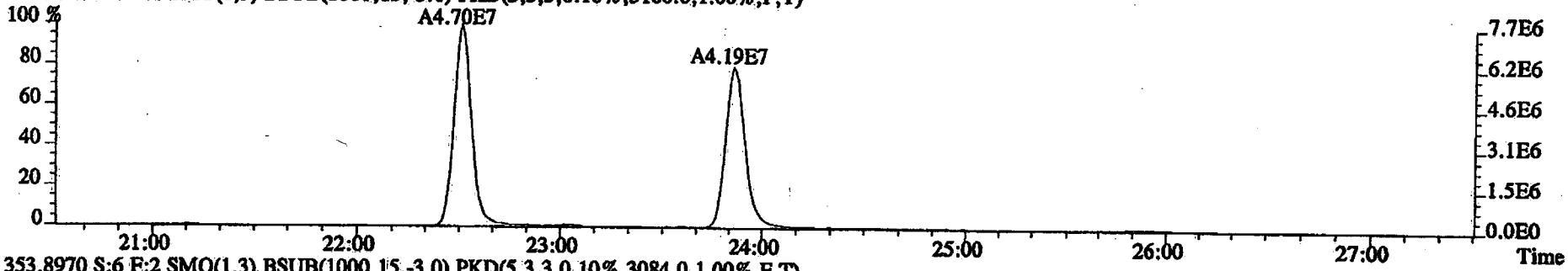
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2568.0,1.00%,F,T)



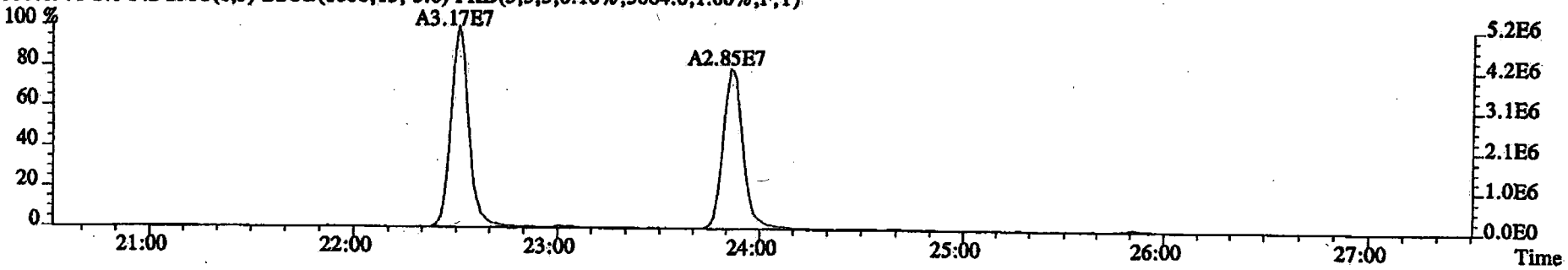
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3556.0,1.00%,F,T)



351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5160.0,1.00%,F,T)



353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



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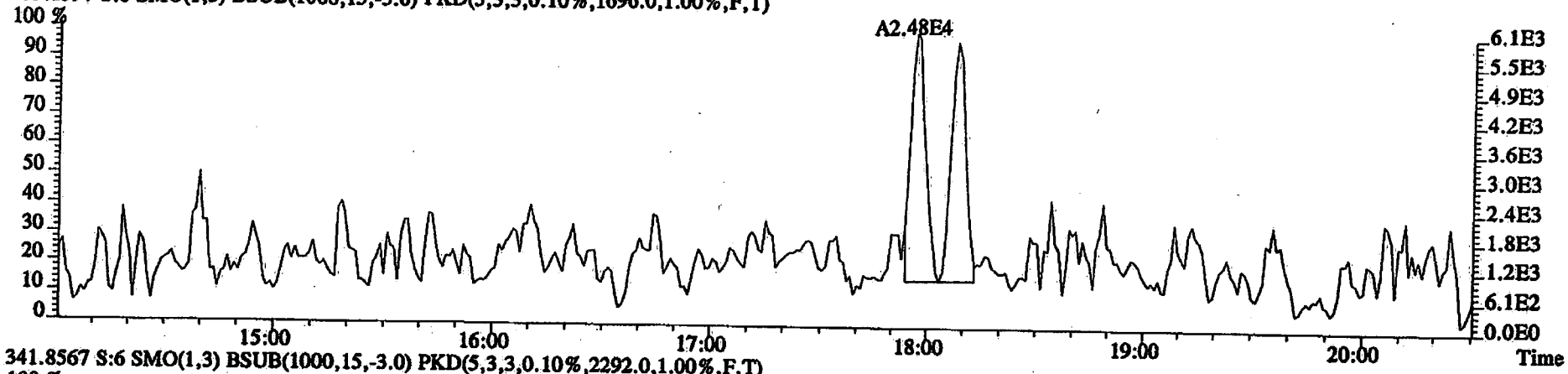
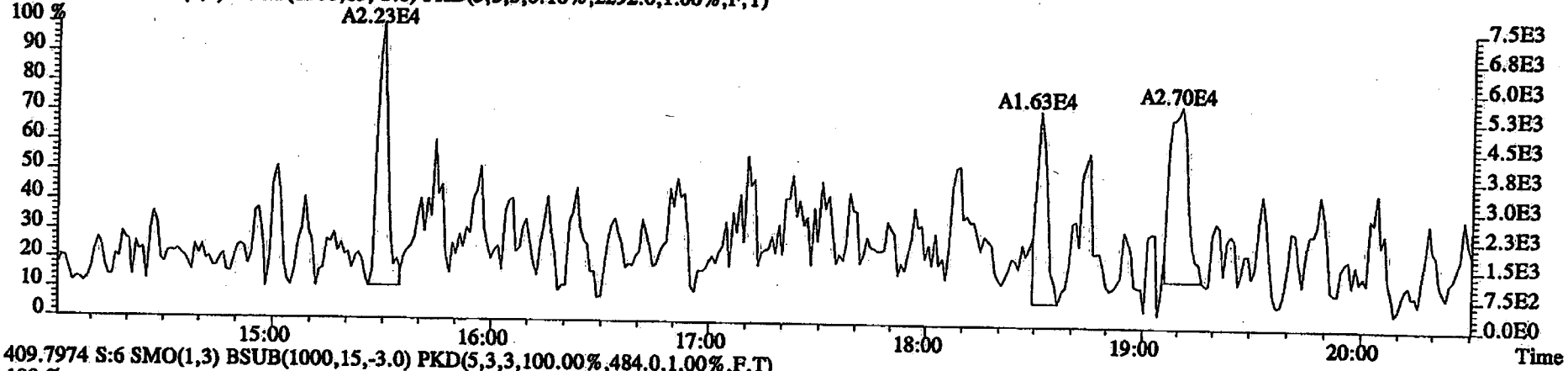
File:21MR059D5 #1-404 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

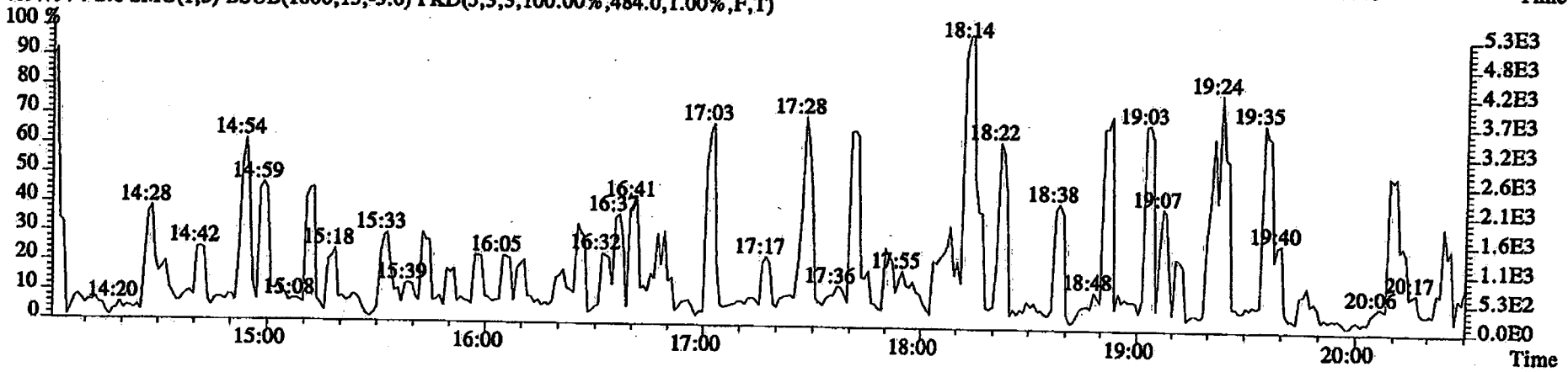
339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1696.0,1.00%,F,T)



341.8567 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2292.0,1.00%,F,T)



409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,484.0,1.00%,F,T)



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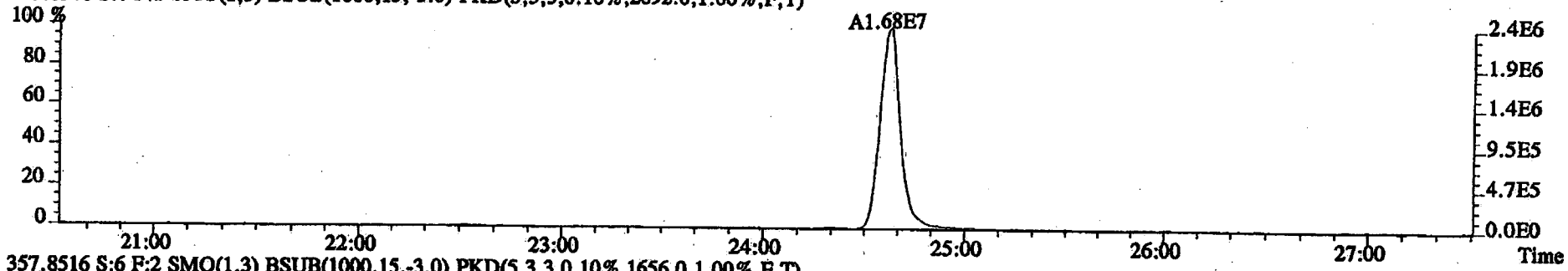
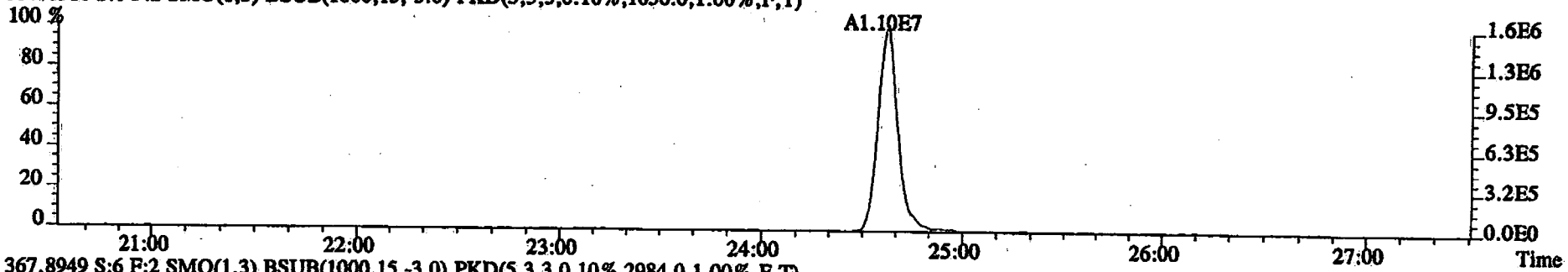
File:21MR059D5 #1-557 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

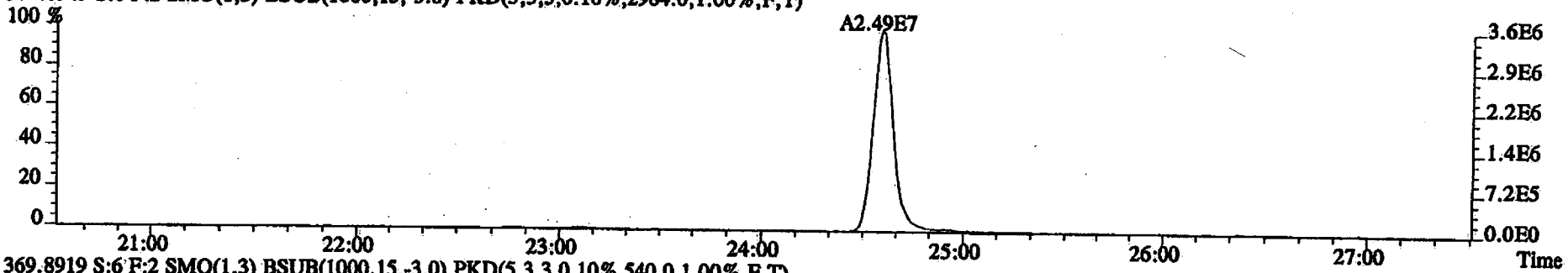
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2892.0,1.00%,F,T)



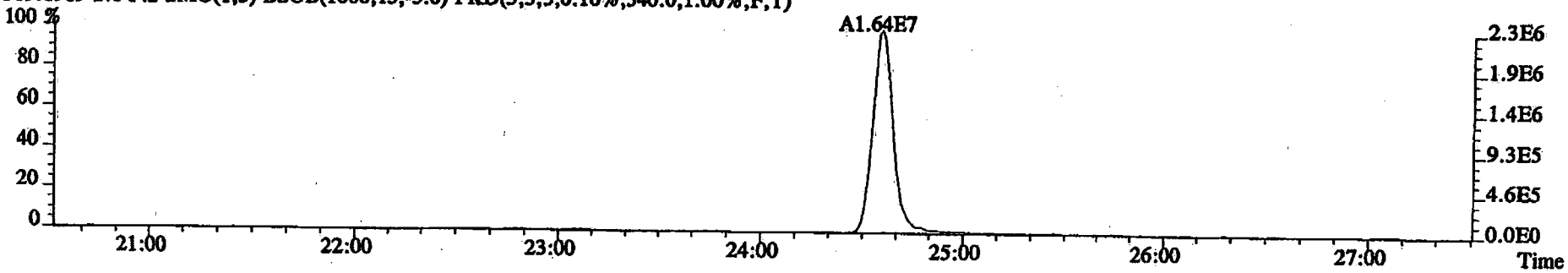
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1656.0,1.00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)



369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



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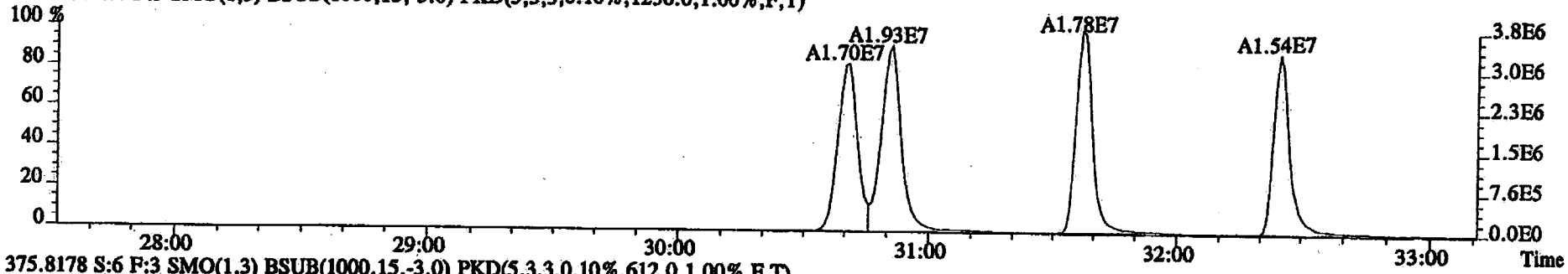
STL Edison

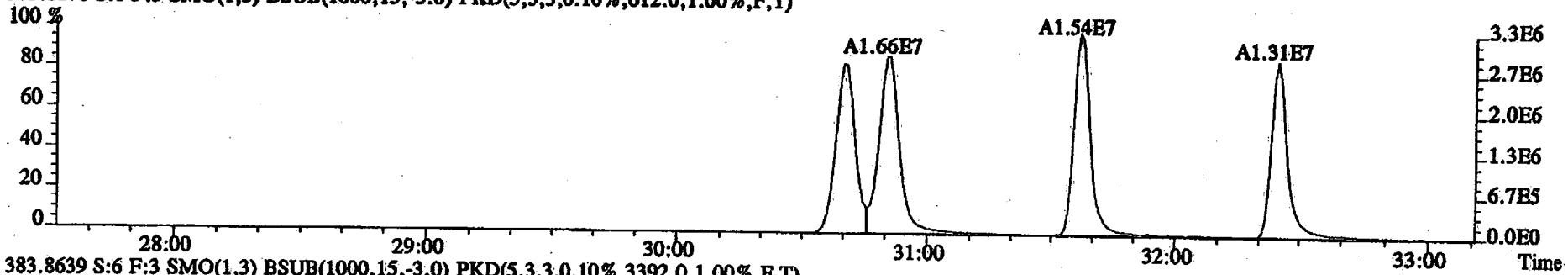
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

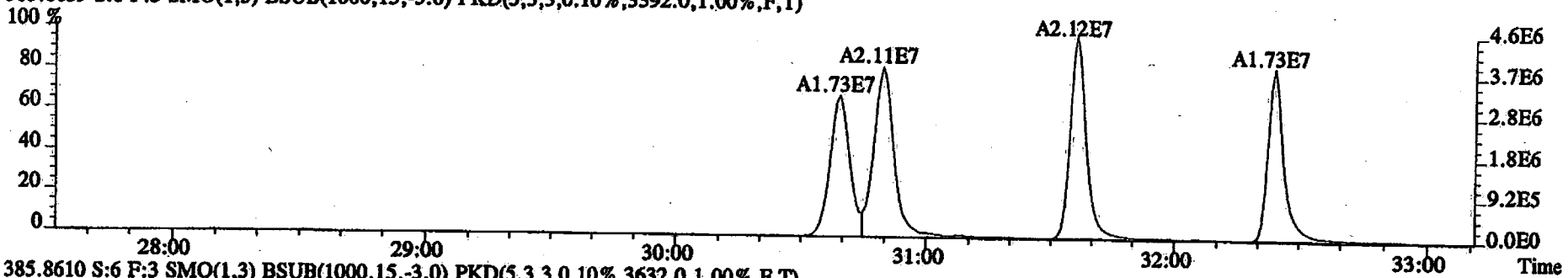
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1236.0,1.00%,F,T)



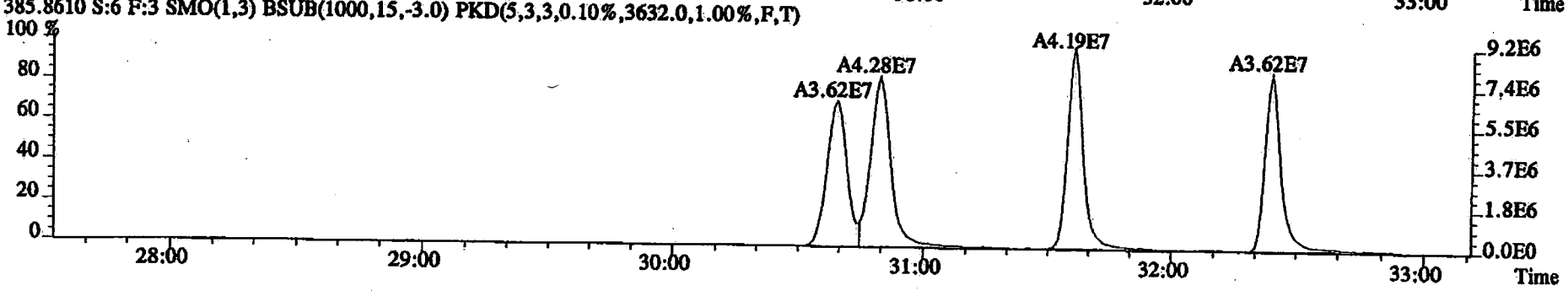
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)

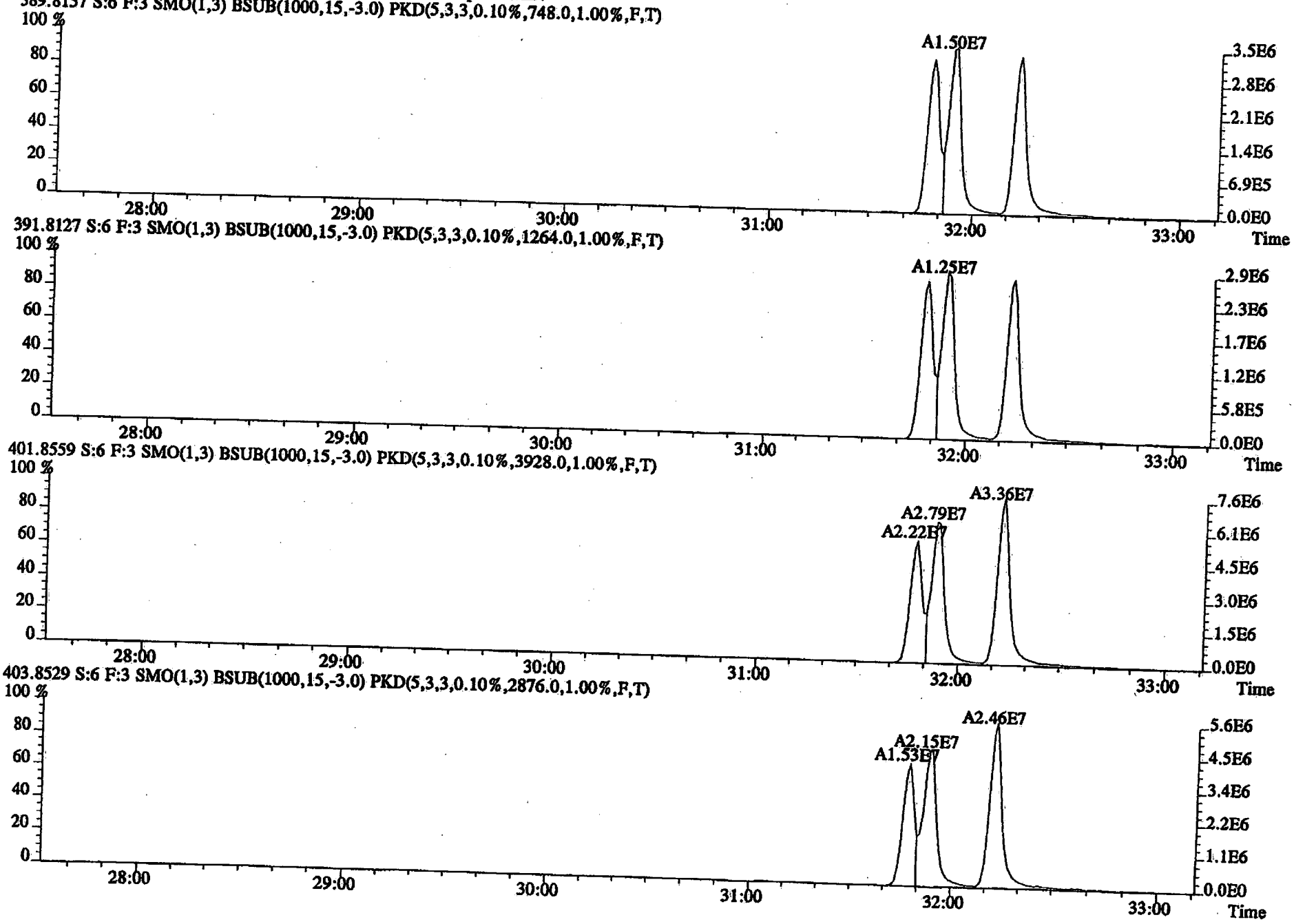


385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3632.0,1.00%,F,T)



821
STL Edison
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN



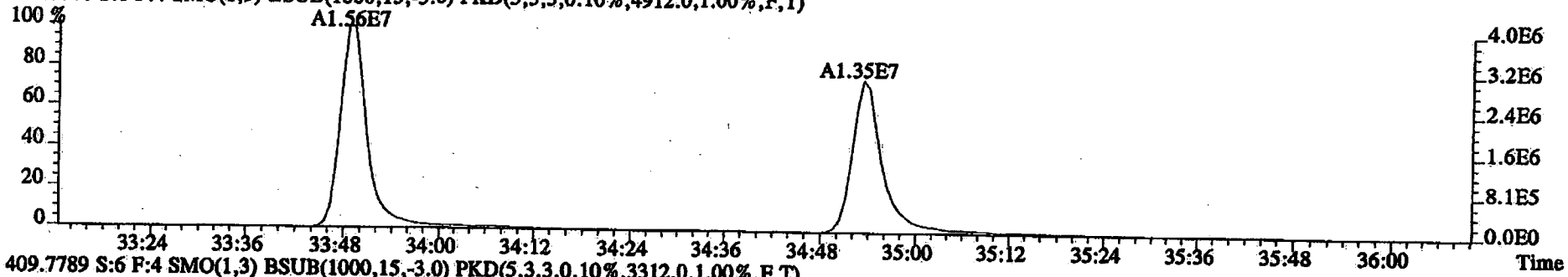
822

STL Edison

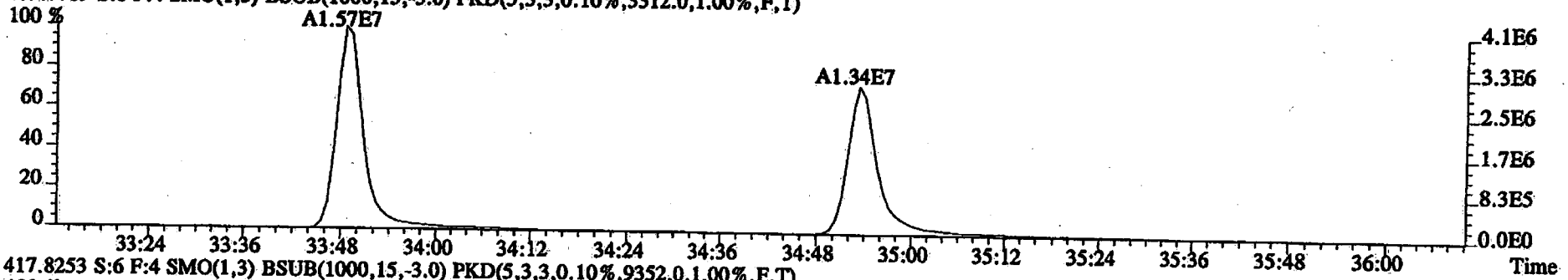
U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

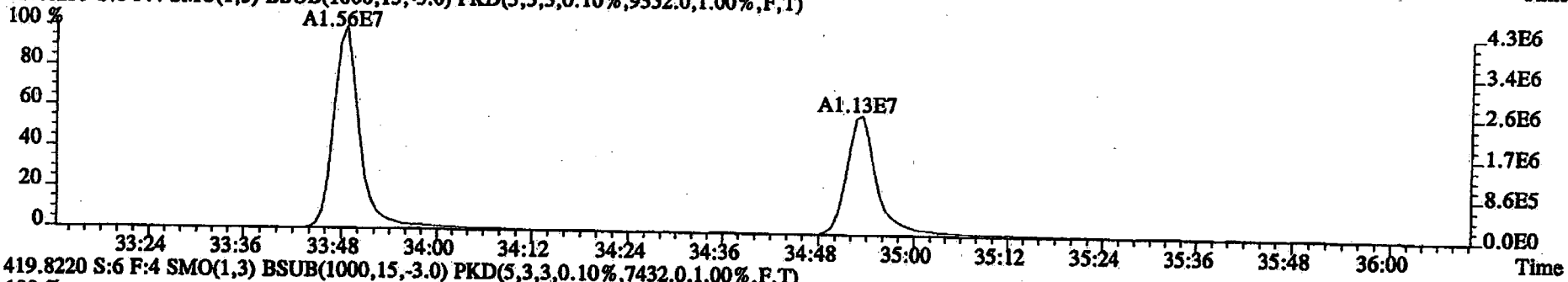
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4912.0,1.00%,F,T)



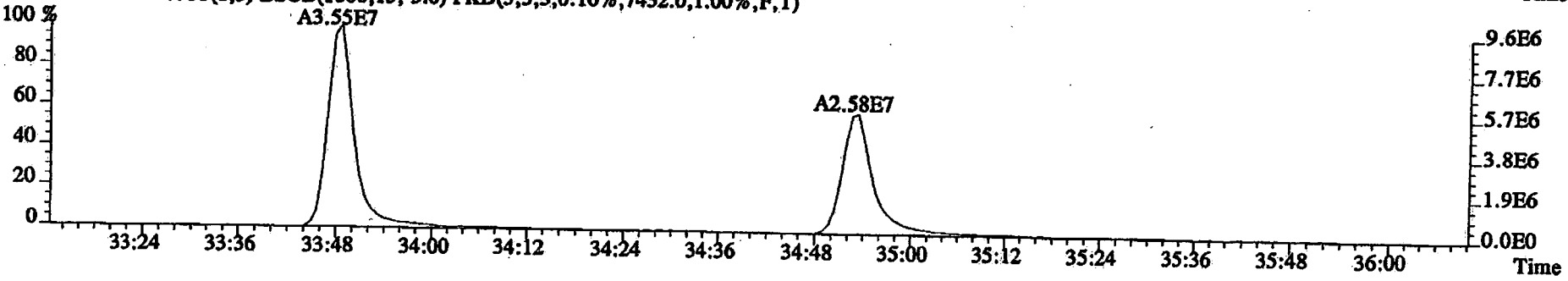
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3312.0,1.00%,F,T)



417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9352.0,1.00%,F,T)



419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7432.0,1.00%,F,T)

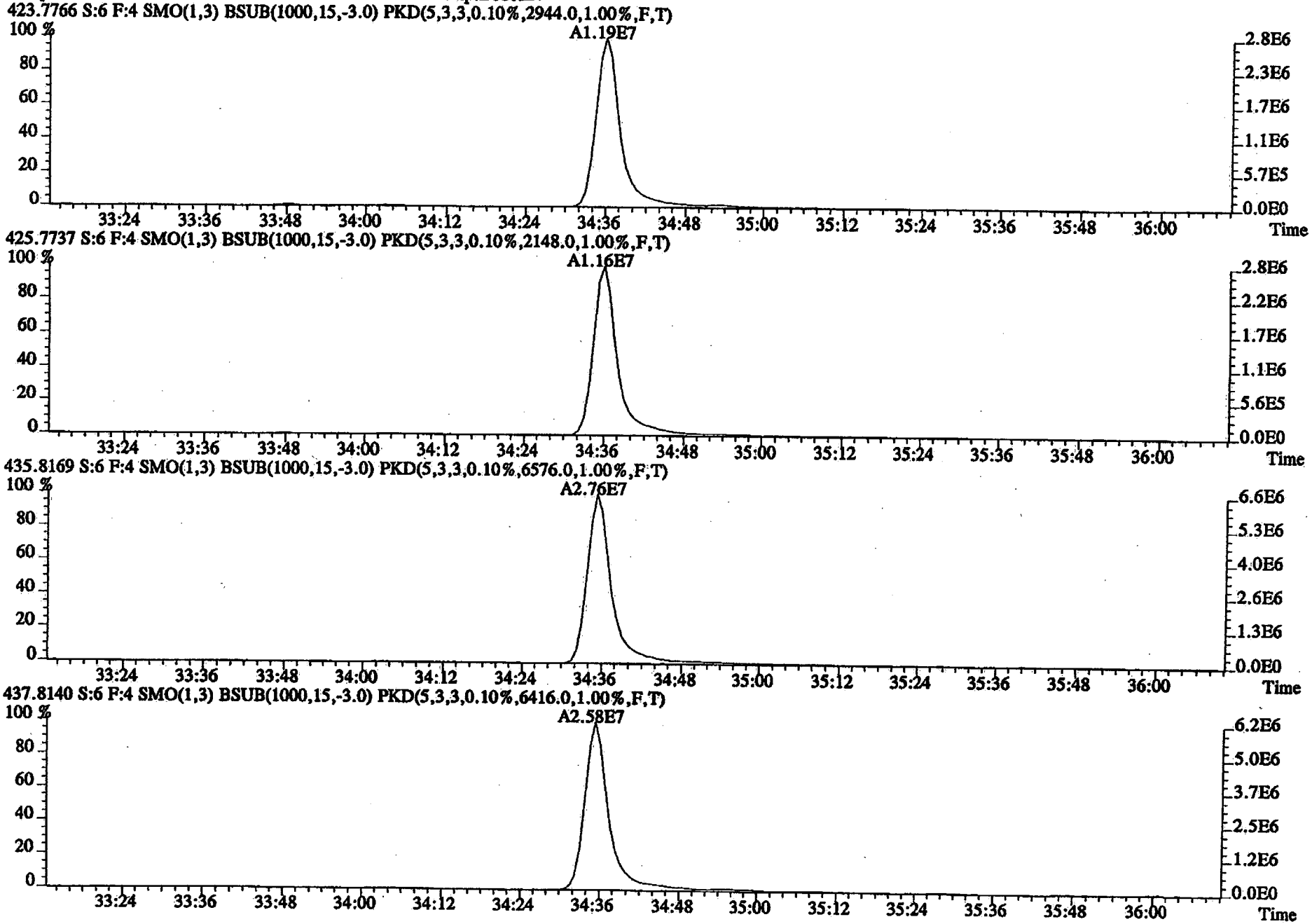


823

STL Edison

U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN



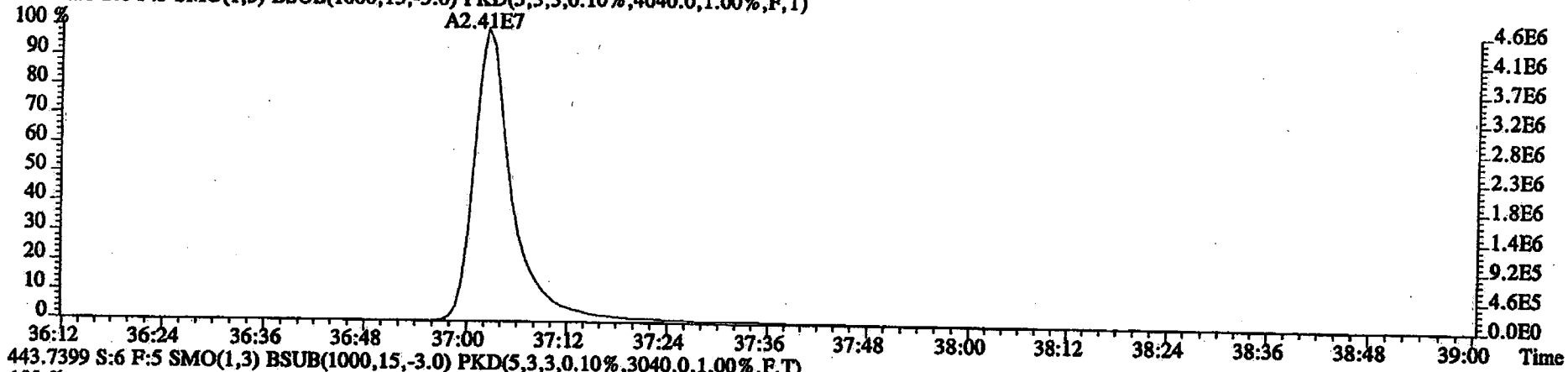
824

STL Edison

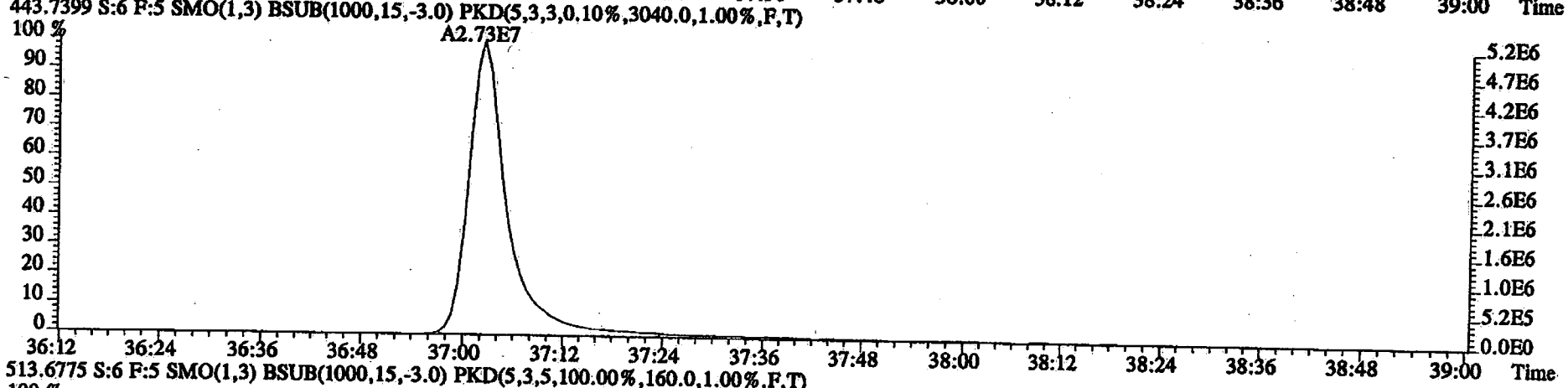
U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

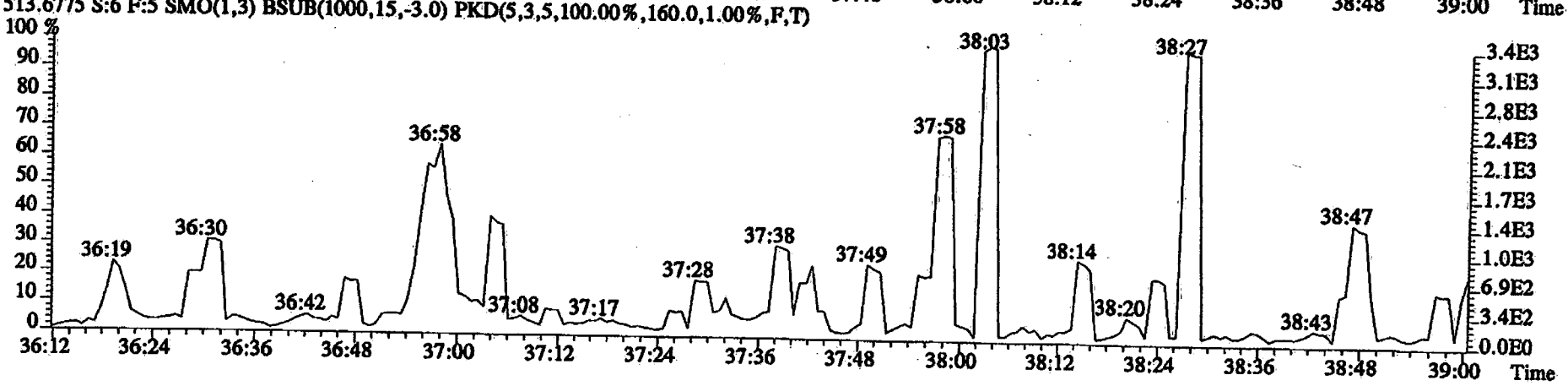
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4040.0,1.00%,F,T)



443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040.0,1.00%,F,T)



513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,160.0,1.00%,F,T)

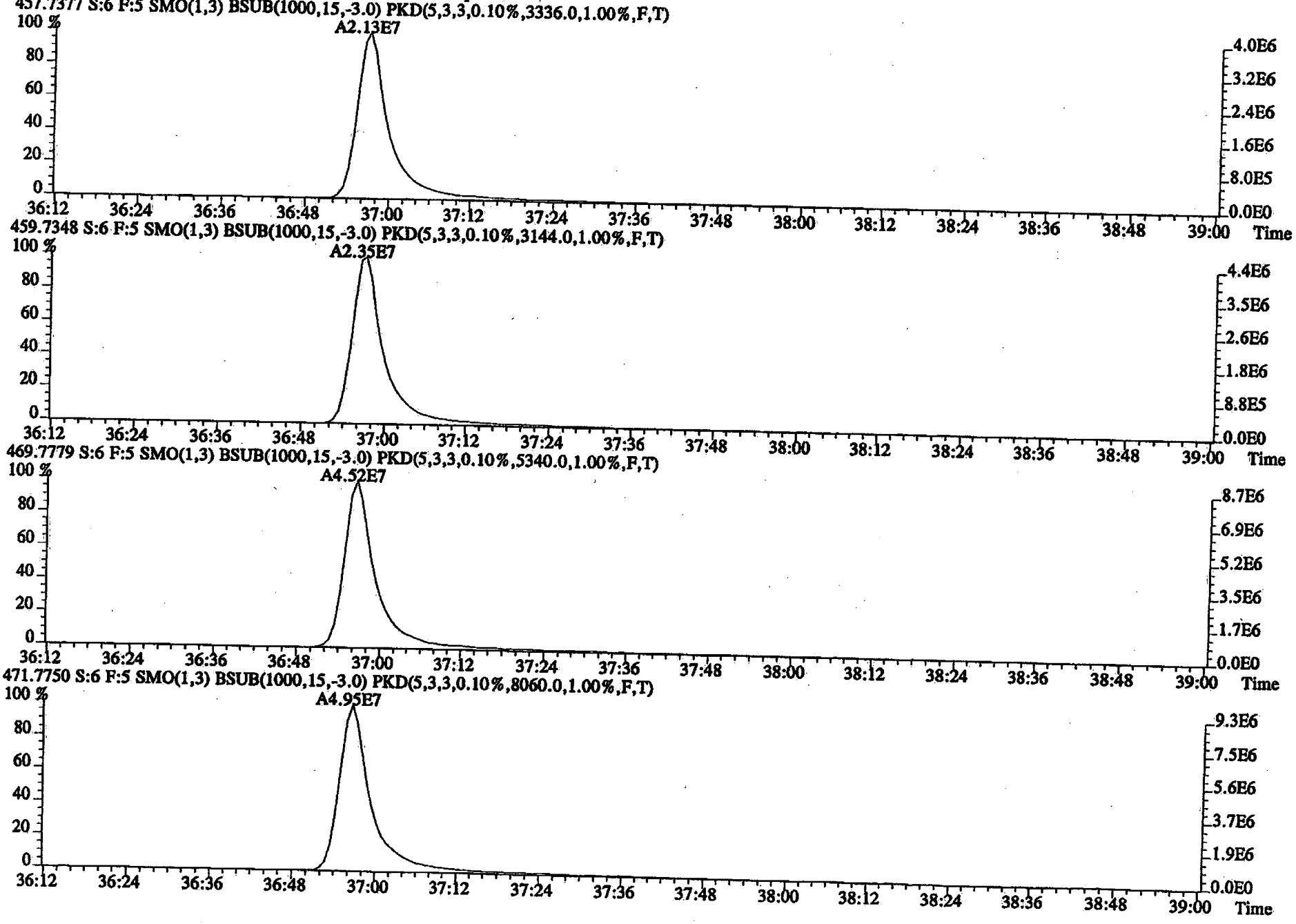


825

STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

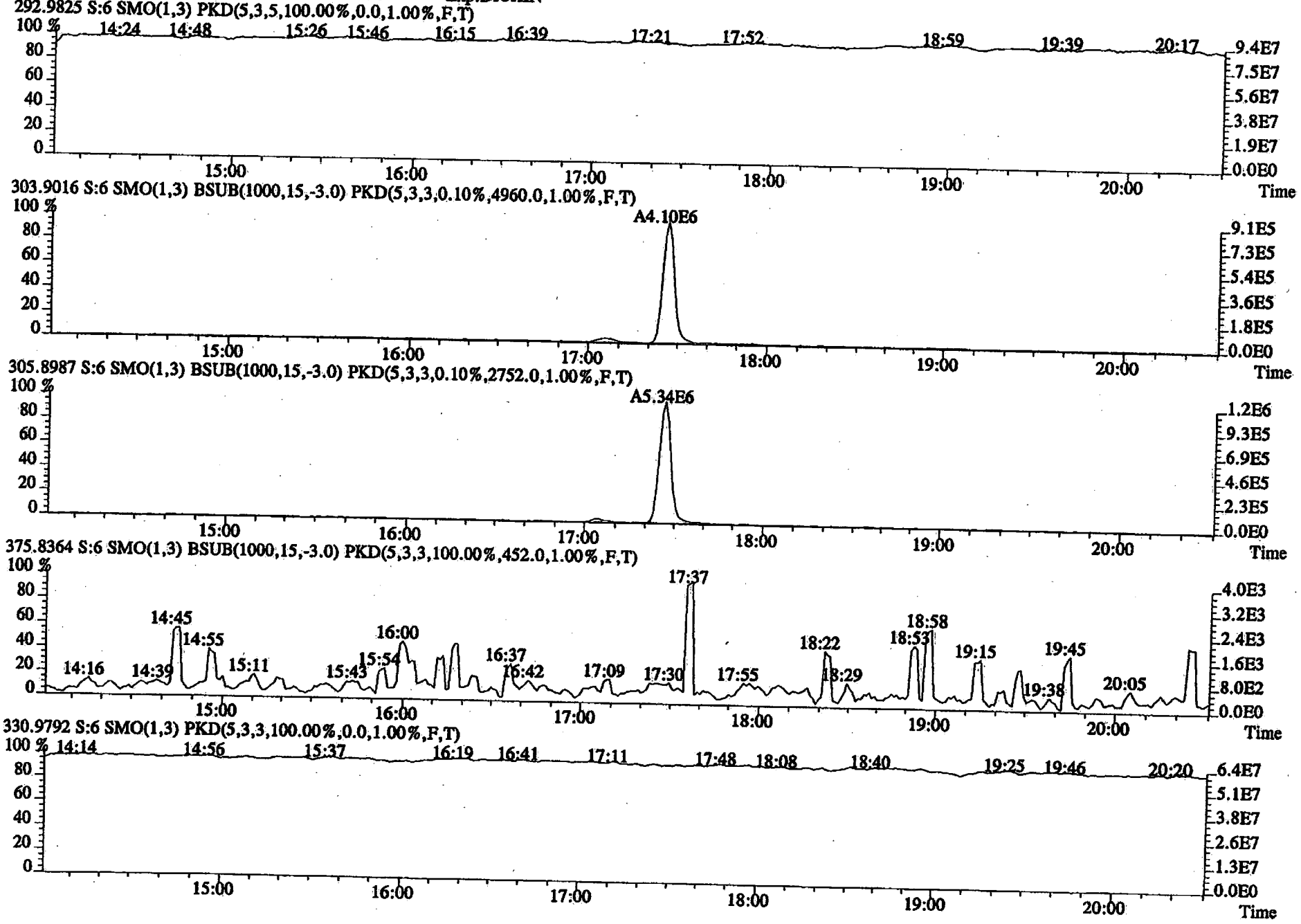


826

STL Edison

U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN



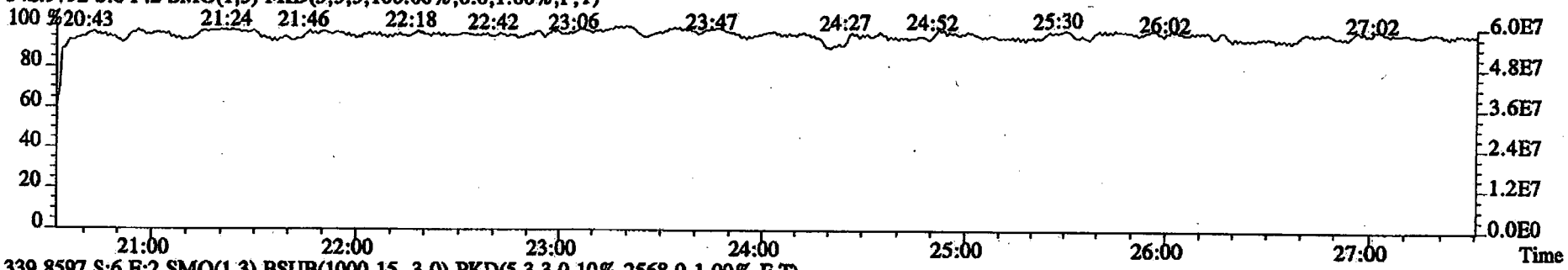
827

STL Edison

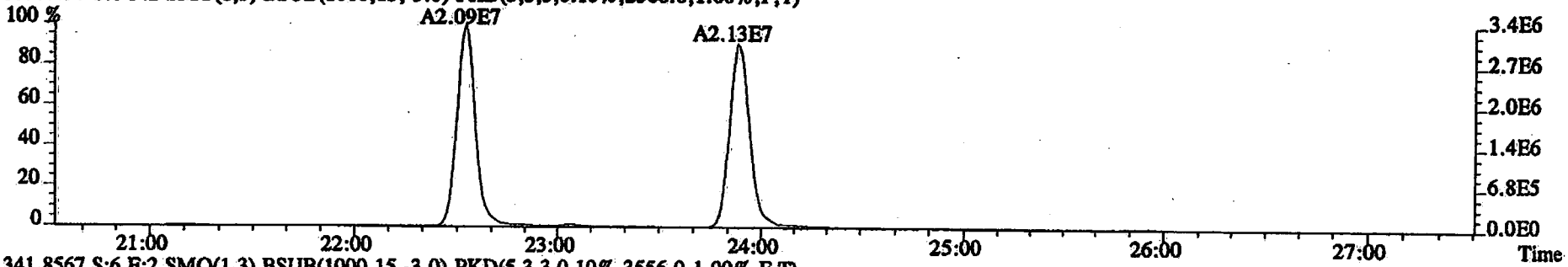
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

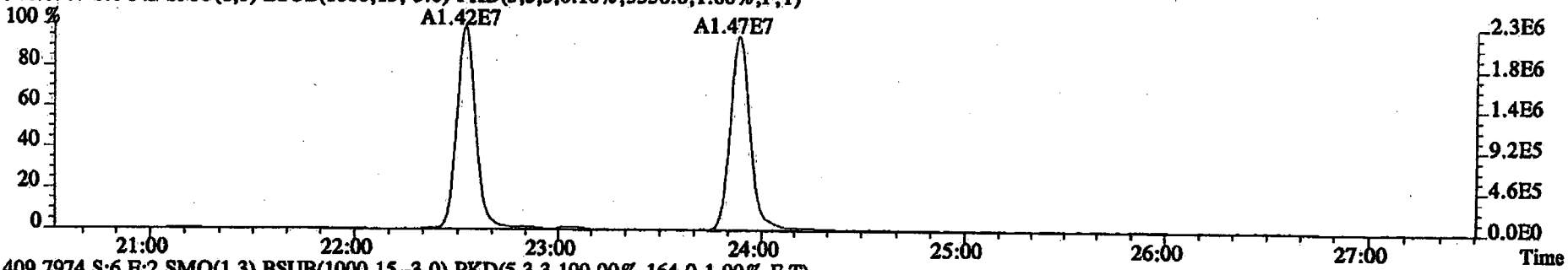
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



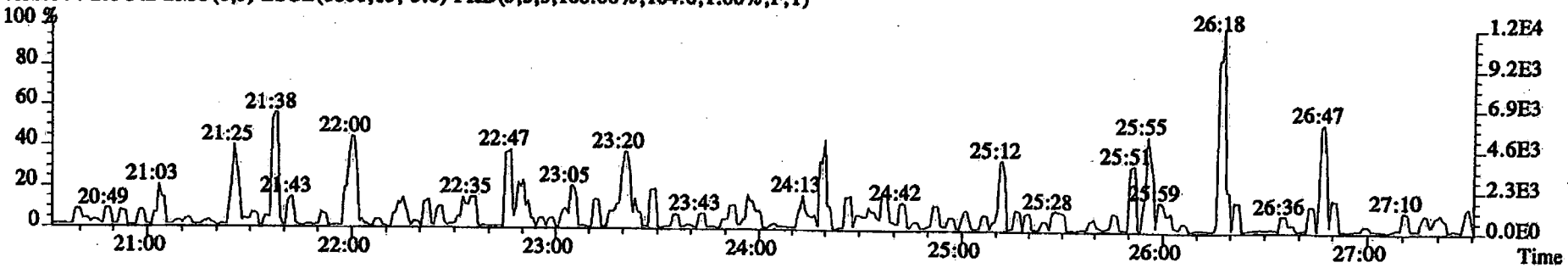
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2568.0,1.00%,F,T)



341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3556.0,1.00%,F,T)



409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,164.0,1.00%,F,T)

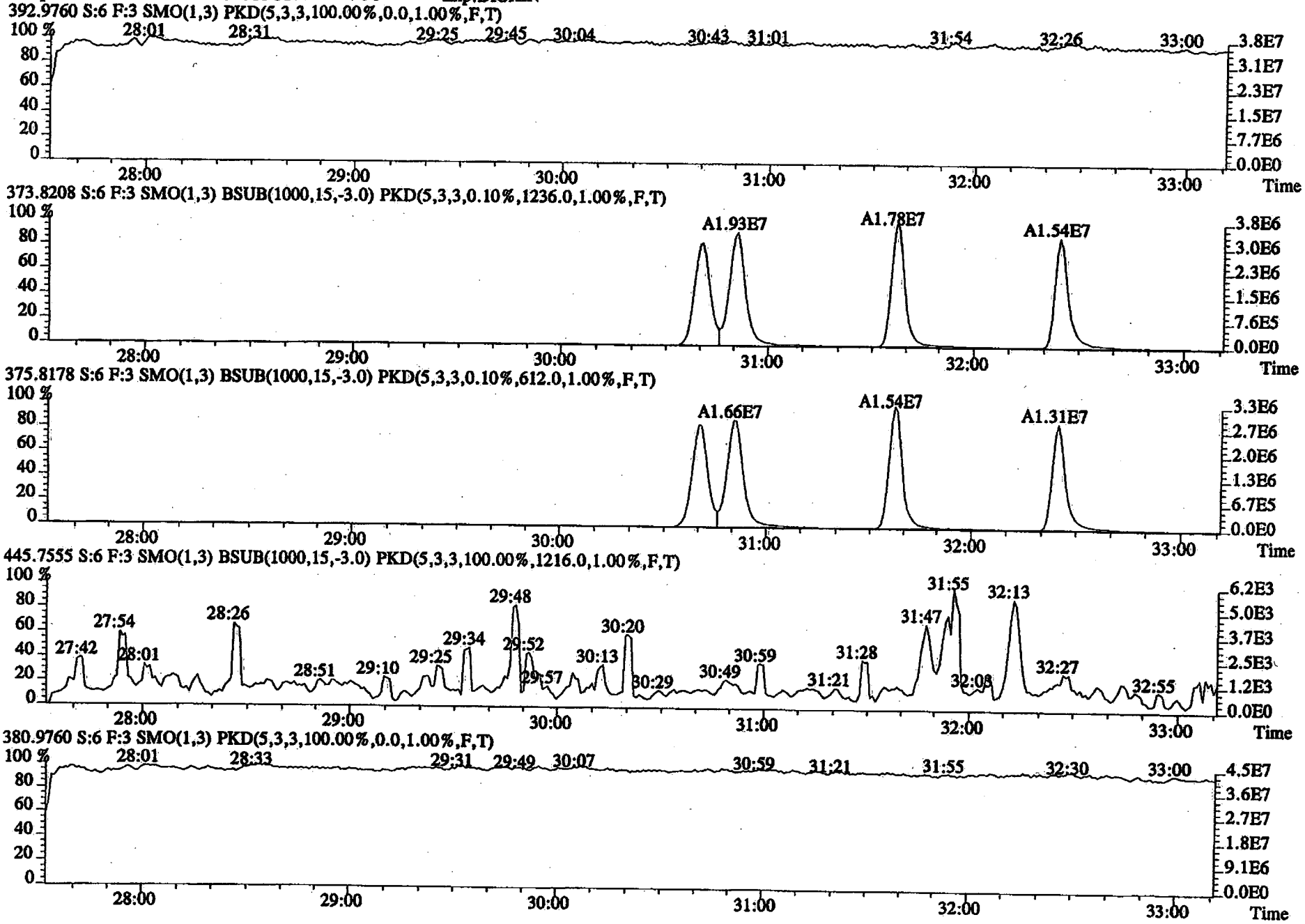


828

STL Edison

U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

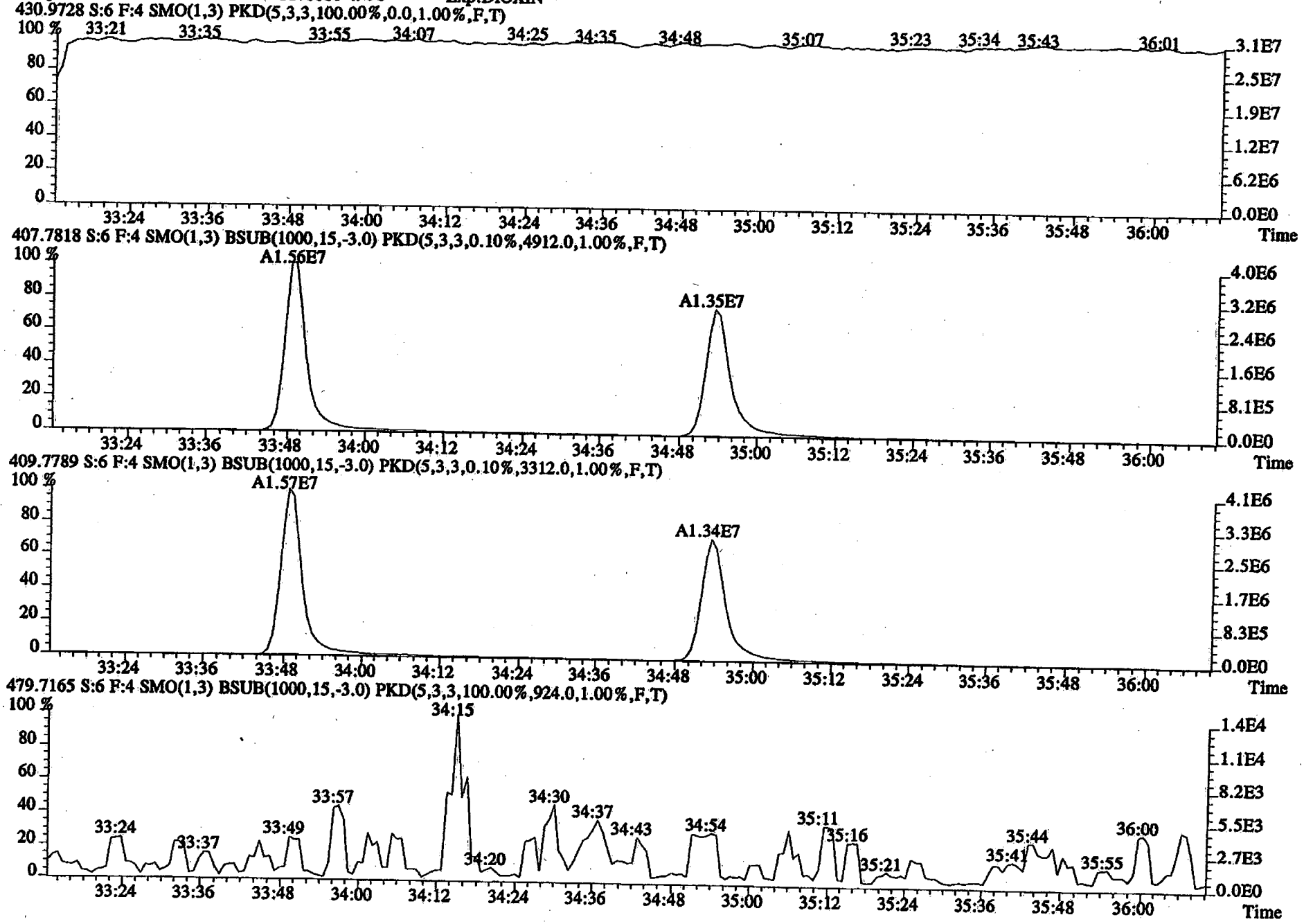


829

STL Edison

U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN

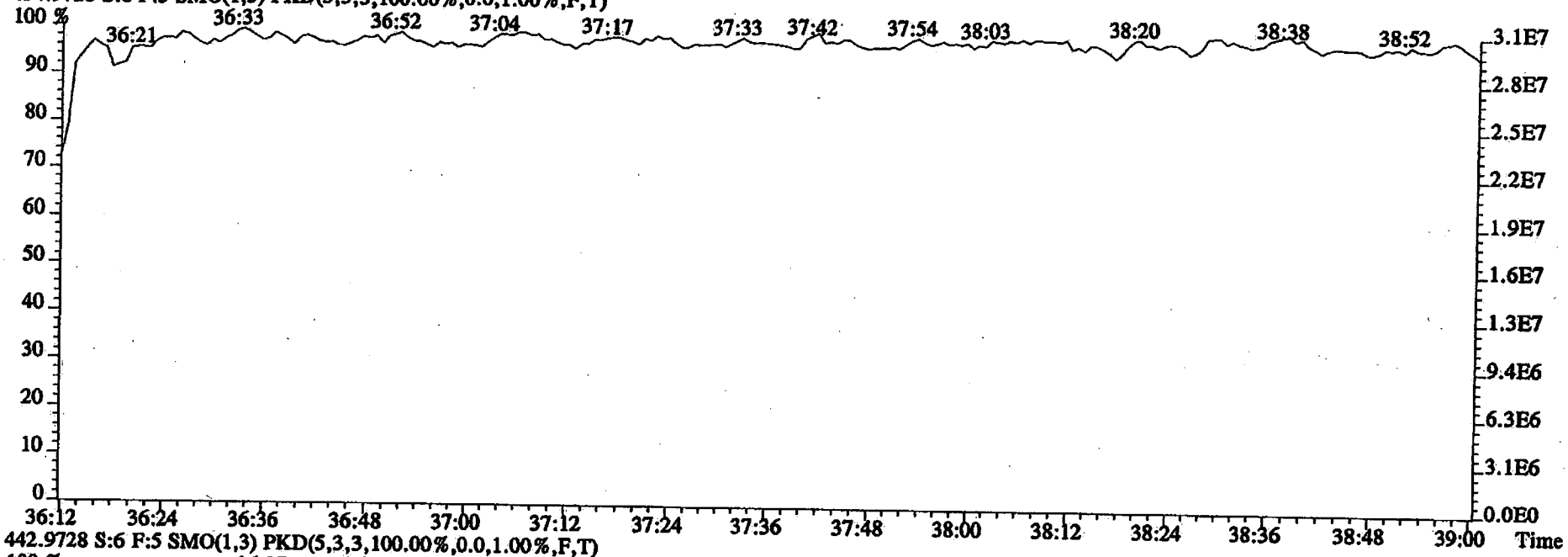


830

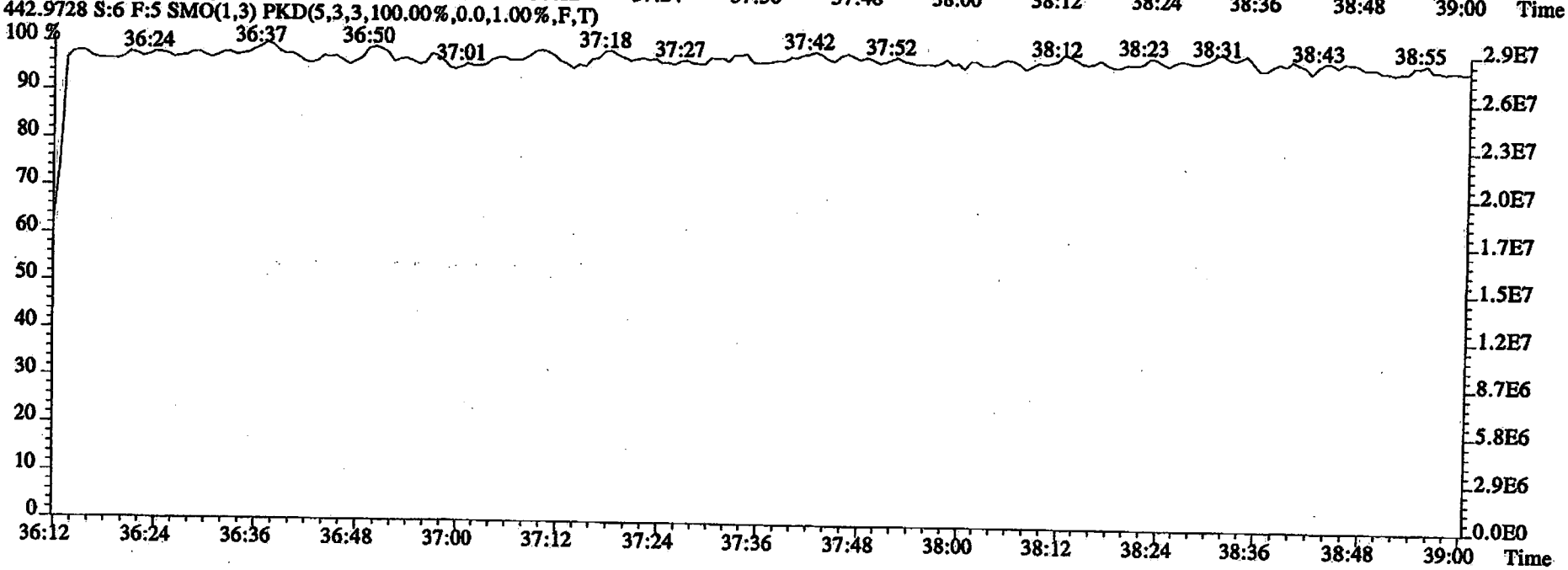
STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 20:00:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:G6GXD-1-AC :G5C170000-490C Exp:DIOXIN
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

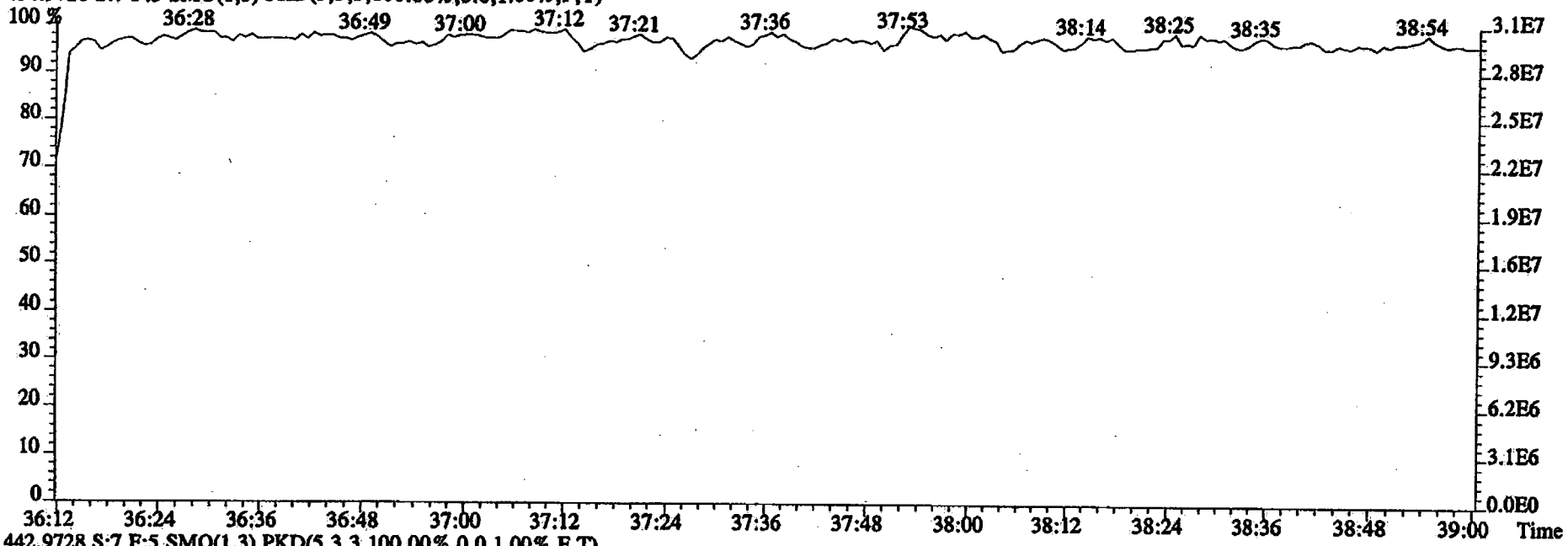


831

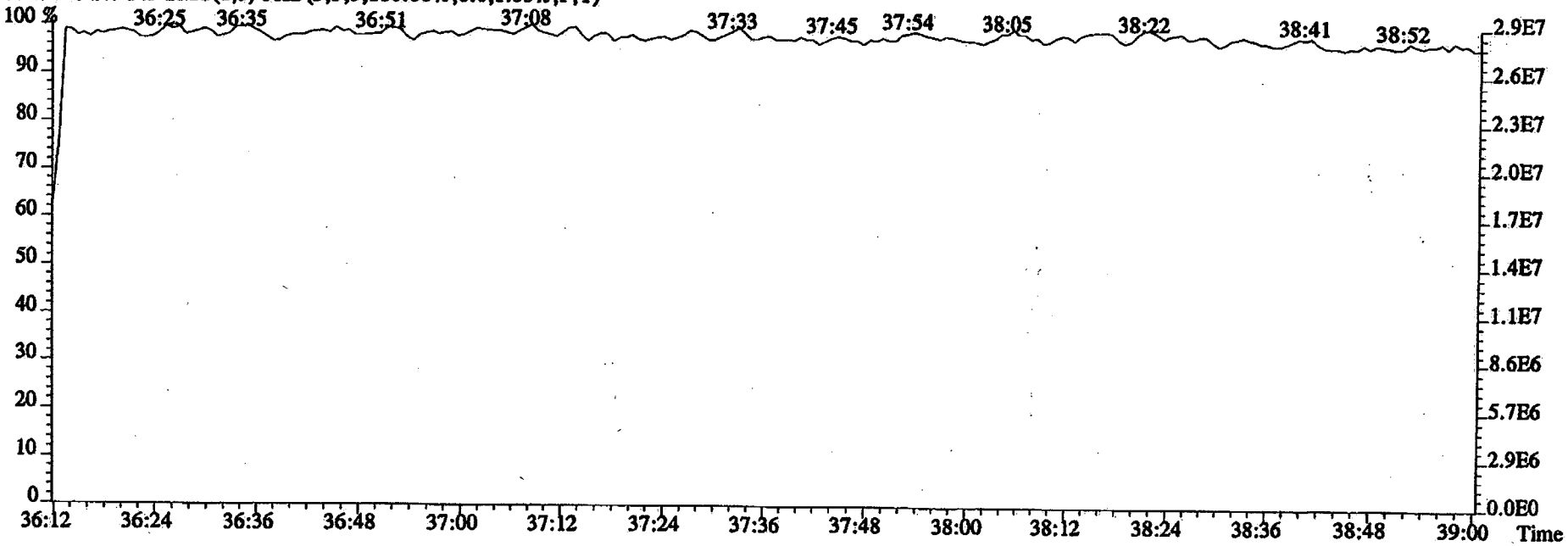
STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 20:41:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:G6GXD-1-AA :G5C170000-490B Exp:DIOXIN
454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



832

STL Edison

U855

Run text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)
Run #17 Filename: 23MR059D5 S: 14 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 01:21:19 Processed: 24-MAR-05 15:03:41
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 5/25/50
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g TDL ~~10/50/100~~
UCL 4000/20,000/40,000

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	7387160	0.77	y	17:57	-	1.08	-	-	n
13C-2,3,7,8-TCDF	6430360	0.87	y	17:26	1.57	110.96	3.38	55.5	n
2,3,7,8-TCDF	104584900	0.78	y	17:28	0.79	4121.50 See DB223	8.37	-	n
Total TCDF	376295694	0.76	y	15:01	0.79	14829.14	8.37	-	y
13C-2,3,7,8-TCDD	4892290	0.72	y	18:09	1.07	123.49	6.52	61.7	n
2,3,7,8-TCDD	3118650	0.81	y	18:10	0.98	130.72	2.85	-	y
Total TCDD	43524913	0.82	y	15:56	0.98	1824.43	2.85	-	y
37Cl-2,3,7,8-TCDD	1975782	1.00	y	18:10	1.02	52.70	12.27	65.9	n
13C-1,2,3,7,8-PeCDF	4665260	1.35	y	22:32	1.26	99.97	1.54	50.0	n
1,2,3,7,8-PeCDF	15979680	1.50	y	22:32	0.82	838.25	6.99	-	n
2,3,4,7,8-PeCDF	29035000	1.45	y	23:53	0.84	1477.81	6.78	-	n
Total F2 PeCDF	284984189	1.42	y	20:57	0.83	~~14714.26~~	6.88	-	n
Total F1 PeCDF	20558670	0.19	n	14:13	0.83	~~1062.18~~ 15724.34	4.40	-	n
13C-1,2,3,7,8-PeCDD	2595230	1.51	y	24:35	0.80	87.72	1.62	43.9	n
1,2,3,7,8-PeCDD	2669740	1.61	y	24:38	1.03	199.50	7.82	-	n
Total PeCDD	54878093	0.58	n	21:02	1.03	~~4100.94~~ 2496.84	7.82	-	n
13C-1,2,3,7,8,9-HxCDD	5401000	1.31	y	32:13	-	0.77	-	-	n
13C-1,2,3,4,7,8-HxCDF	3565150	0.45	y	30:40	1.04	127.52	2.77	63.8	n
1,2,3,4,7,8-HxCDF	175966900	1.13	y	30:41	1.04	9477.09	15.51	-	y
1,2,3,6,7,8-HxCDF	59898300	1.15	y	30:51	1.09	3091.68	14.86	-	n
2,3,4,6,7,8-HxCDF	13053340	1.21	y	31:37	1.00	731.75	16.14	-	n
1,2,3,7,8,9-HxCDF	463756	1.18	y	32:25	0.95	27.39 ~~DL~~ J	17.01	-	y
Total HxCDF	507628999	1.15	y	28:11	1.02	~~27534.57~~ 27534.57 ~~27507.16~~	15.84	-	y
13C-1,2,3,6,7,8-HxCDD	3032250	1.27	y	31:54	0.86	131.26	3.09	65.6	n
1,2,3,4,7,8-HxCDD	2218360	1.15	y	31:48	0.93	156.88	10.65	-	n
1,2,3,6,7,8-HxCDD	22466300	1.15	y	31:54	0.98	1514.77	10.15	-	n
1,2,3,7,8,9-HxCDD	9593460	1.18	y	32:13	1.01	629.25	9.88	-	y
Total HxCDD	208053009	1.15	y	29:45	0.97	14090.90	10.22	-	y
13C-1,2,3,4,6,7,8-HpCDF	5094922	0.82	n	33:48	0.97	195.39	1.20	97.7	n
1,2,3,4,6,7,8-HpCDF	1698261000	0.98	y	33:49	1.13	58829.14 E	13.82	-	n
1,2,3,4,7,8,9-HpCDF	16608170	1.01	y	34:53	1.03	633.35	15.21	-	n
Total HpCDF	1873528670	0.98	y	33:49	1.08	65222.48	14.48	-	n
13C-1,2,3,4,6,7,8-HpCDD	3851240	1.04	y	34:35	0.98	146.06	3.48	73.0	n
1,2,3,4,6,7,8-HpCDD	511136000	1.02	y	34:36	0.86	30954.21 E	25.80	-	n
Total HpCDD	870787868	2.20	n	33:49	0.86	~~52734.59~~ 52705.4	25.80	-	n
13C-OCDD	10862681	1.18	n	36:57	0.92	435.01	3.93	108.8	n

OCDF	1122484000	0.86	y	37:02	1.03	40103.43	E	8.90	- n
OCDD	3181710000	0.90	y	36:57	0.91	128354.03	E	44.57	- n

Run text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)
Run #17 Filename: 23MR059D5 S: 14 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 01:21:19 Processed: 24-MAR-05 15:03:41
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000µg TDL 5.0/25/50

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	7387160	0.77	y	17:57	-	1.08	-	-	n
13C-2,3,7,8-TCDF	6430360	0.87	y	17:26	1.57	110.96	3.38	55.5	n
2,3,7,8-TCDF	104584900	0.78	y	17:28	0.79	4121.50	8.37	-	n
Total TCDF	386836255	0.76	y	15:01	0.79	15244.52	8.37	-	n
13C-2,3,7,8-TCDD	4892290	0.72	y	18:09	1.07	123.49	6.52	61.7	n
2,3,7,8-TCDD	2558163	0.97	n	18:10	0.98	107.23	2.85	-	n
Total TCDD	41896775	0.82	y	15:56	0.98	1756.18	2.85	-	n
37Cl-2,3,7,8-TCDD	1975782	1.00	y	18:10	1.02	52.70	12.27	65.9	n
13C-1,2,3,7,8-PeCDF	4665260	1.35	y	22:32	1.26	99.97	1.54	50.0	n
1,2,3,7,8-PeCDF	15979680	1.50	y	22:32	0.82	838.25	6.99	-	n
2,3,4,7,8-PeCDF	29035000	1.45	y	23:53	0.84	1477.81	6.78	-	n
Total F2 PeCDF	284984189	1.42	y	20:57	0.83	~~14714.26~~	6.88	-	n
Total F1 PeCDF	20558670	0.19	n	14:13	0.83	~~1062.18~~ 15,724.34	4.40	-	n
13C-1,2,3,7,8-PeCDD	2595230	1.51	y	24:35	0.80	87.72	1.62	43.9	n
1,2,3,7,8-PeCDD	2669740	1.61	y	24:38	1.03	199.50	7.82	-	n
Total PeCDD	54878093	0.58	n	21:02	1.03	~~4100.94~~ 2496.84	7.82	-	n
13C-1,2,3,7,8,9-HxCDD	5401000	1.31	y	32:13	-	0.77	-	-	n
13C-1,2,3,4,7,8-HxCDF	3565150	0.45	y	30:40	1.04	127.52	2.77	63.8	n
1,2,3,4,7,8-HxCDF	196358100	1.13	y	30:41	1.04	10575.31	15.51	-	n
1,2,3,6,7,8-HxCDF	59898300	1.15	y	30:51	1.09	3091.68	14.86	-	n
2,3,4,6,7,8-HxCDF	13053330	1.21	y	31:37	1.00	731.75	16.14	-	n
1,2,3,7,8,9-HxCDF	4321570	1.14	y	32:29	0.95	255.24	17.01	-	n
Total HxCDF	507489269	1.15	y	28:11	1.02	27518.96	15.84	-	n
13C-1,2,3,6,7,8-HxCDD	3032250	1.27	y	31:54	0.86	131.26	3.09	65.6	n
1,2,3,4,7,8-HxCDD	2218360	1.15	y	31:48	0.93	156.88	10.65	-	n
1,2,3,6,7,8-HxCDD	22466300	1.15	y	31:54	0.98	1514.77	10.15	-	n
1,2,3,7,8,9-HxCDD	11929730	1.22	y	32:13	1.01	782.49	9.88	-	n
Total HxCDD	210224590	0.39	n	28:36	0.97	14232.96	10.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	5094922	0.82	n	33:48	0.97	195.39	1.20	97.7	n
1,2,3,4,6,7,8-HpCDF	1698261000	0.98	y	33:49	1.13	58829.14	13.82	-	n
1,2,3,4,7,8,9-HpCDF	16608170	1.01	y	34:53	1.03	633.35	15.21	-	n
Total HpCDF	1873528670	0.98	y	33:49	1.08	65222.48	14.48	-	n
13C-1,2,3,4,6,7,8-HpCDD	3851240	1.04	y	34:35	0.98	146.06	3.48	73.0	n
1,2,3,4,6,7,8-HpCDD	511136000	1.02	y	34:36	0.86	30954.21	25.80	-	n
Total HpCDD	870787868	2.20	n	33:49	0.86	~~52734.39~~ 52705.41	25.80	-	n
13C-OCDD	10862681	1.18	n	36:57	0.92	435.01	3.93	108.8	n

OCDF	1122484000	0.86	y	37:02	1.03	40103.43	8.90	-	n
OCDD	3181710000	0.90	y	36:57	0.91	128354.03	44.57	-	n

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:20
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 152445.22 of which 41215.03 named and 111230.19 unnamed
Conc: 15244.52 of which 4121.50 named and 11123.02 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:01	0.76	y	75.04	824961	29.1	y	n
						1079090	33.6	y	n
	2	15:20	0.79	y	93.69	1050500	37.8	y	n
						1326920	43.6	y	n
	3	15:30	0.83	y	167.39	1927080	66.3	y	n
						2320440	73.9	y	n
	4	15:46	0.79	y	2011.50	22544200	665.3	y	n
						28498400	779.4	y	n
	5	16:01	0.76	y	993.97	10866700	305.2	y	n
						14355700	371.0	y	n
	6	16:19	0.77	y	1282.74	14178600	354.8	y	n
						18371500	417.4	y	n
	7	16:32	0.77	y	1660.38	18341100	580.3	y	n
						23791700	684.4	y	n
	8	16:44	0.62	n	1317.37	14542500	306.5	y	n
						23602000	366.7	y	n
	9	17:04	0.80	y	1216.26	13686700	434.0	y	n
						17176400	490.5	y	n
	10	17:17	0.80	y	599.04	6751340	201.6	y	n
						8449550	234.8	y	n
2,3,7,8-TCDF	11	17:28	0.78	y	4121.50	45809600	1281.7	y	n
						58775300	1503.0	y	n
	12	17:52	0.80	y	1096.99	12352900	371.0	y	n
						15483600	425.5	y	n
	13	18:05	0.78	y	403.10	4490380	109.4	y	n
						5738410	131.7	y	n
	14	18:19	0.84	y	31.57	365253	8.9	y	n
						435928	9.8	y	n
	15	18:38	0.73	y	~~61.28~~	658033	19.5	y	n
						897088	23.1	y	n

See pg 1A

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? yes #Hom:15
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 148291.37 of which 41215.03 named and 107076.34 unnamed
Conc: 14829.14 of which 4121.50 named and 10707.63 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:01	0.76	y	75.04	824961	29.1	y	n
						1079090	33.6	y	n
	2	15:20	0.79	y	93.69	1050500	37.8	y	n
						1326920	43.6	y	n
	3	15:30	0.83	y	167.39	1927080	66.3	y	n
						2320440	73.9	y	n
	4	15:46	0.79	y	2011.50	22544200	665.3	y	n
						28498400	779.4	y	n
	5	16:01	0.76	y	993.97	10866700	305.2	y	n
						14355700	371.0	y	n
	6	16:19	0.78	y	991.52	10992800	355.5	y	y
						14167500	418.4	y	y
	7	16:32	0.77	y	1660.38	18341100	580.3	y	n
						23791700	684.4	y	n
	8	16:44	0.62	n	1317.37 TA	14542500	306.5	y	n
						23602000	366.7	y	n
	9	17:04	0.80	y	1216.26	13686700	434.0	y	n
						17176500	490.5	y	n
	10	17:17	0.80	y	599.04	6751330	201.6	y	n
						8449550	234.8	y	n
2,3,7,8-TCDF	11	17:28	0.78	y	4121.50	45809600	1281.7	y	n
						58775300	1503.0	y	n
	12	17:52	0.80	y	1096.99	12352900	371.0	y	n
						15483600	425.5	y	n
	13	18:05	0.78	y	403.10	4490370	109.4	y	n
						5738430	131.7	y	n
	14	18:19	0.84	y	31.57	365245	8.9	y	y
						435936	9.8	y	n
	15	19:17	0.84	y	49.82	576296	16.9	y	n
						687982	17.6	y	n

pg 1A

16	18:59	0.92	n	15.24 DPG	261764	5.8	y	n
					218544	6.1	y	n
17	19:17	0.84	y	49.82	576297	16.9	y	n
					687984	17.6	y	n
18	19:37	0.81	y	19.66 OW	222640	4.1	y	n
					276149	4.4	y	n
19	19:56	0.83	y	22.92	263477	7.4	y	n
					318234	8.0	y	n
20	20:10	1.00	n	5.06	72315	2.5	n	n
					72550	2.1	n	n

Totals Results STL Sacramento

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:10
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 17561.84 of which 1072.30 named and 16489.54 unnamed
Conc: 1756.18 of which 107.23 named and 1648.95 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:56	0.82	y	235.53	2537790	485.0	y	n
						3081080	233.8	y	n
	2	16:13	0.80	y	539.01	5733900	1077.0	y	n
						7125070	527.1	y	n
	3	16:26	0.00	n	77.71	806482	138.9	y	n
						395857000	28095.3	y	n
	4	17:02	0.79	y	371.67	3909900	613.4	y	n
						4956930	307.1	y	n
	5	17:16	1.28	n	85.96	1483650	121.2	y	n
						1158630	53.0	y	n
	6	17:38	0.23	n	84.62	878192	148.0	y	n
						3822800	191.9	y	n
	7	18:03	1.04	n	182.02	2547700	259.2	y	n
						2453270	103.7	y	n
2,3,7,8-TCDD	8	18:10	0.97	n	107.23	1394980	221.7	y	n
						1445290	96.9	y	n
	9	18:31	1.05	n	40.57	573248	88.0	y	n
						546811	40.2	y	n
	10	20:31	1.07	n	31.88 OW	459757	180.5	y	n
						429639	71.8	y	n

See pg 2A

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? yes #Hom:9
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 18244.31 of which 1307.24 named and 16937.07 unnamed
Conc: 1824.43 of which 130.72 named and 1693.71 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:56	0.82	y	235.53	2537790	485.0	y	n
						3081080	233.8	y	n
	2	16:13	0.80	y	539.01	5733900	1077.0	y	n
						7125070	527.1	y	n
	3	17:02	0.72	y	390.17	3909900	613.4	y	n
						5398180	315.8	y	y
	4	17:16	0.80	y	139.82	1483650	121.2	y	n
						1852040	61.7	y	y
	5	17:38	0.90	n	72.26 JA	878192	148.0	y	n
						973973	109.6	y	y
	6	18:03	0.87	y	230.13	2547700	259.2	y	n
						2942540	113.4	y	y
2,3,7,8-TCDD	7	18:10	0.81	y	130.72	1394980	221.7	y	n
						1723670	106.7	y	y
	8	18:19	0.78	y	32.77	343325	52.8	y	n
						438513	25.6	y	y
	9	18:31	0.80	y	54.02	573248	88.0	y	n
						715395	45.5	y	y

PG 2/4

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 147142.63 of which 23160.63 named and 123982.00 unnamed
Conc: 14714.26 of which 2316.06 named and 12398.20 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:57	1.42	y	267.25	3037200	146.0	y	n
						2135500	135.9	y	n
	2	21:10	1.40	y	5781.84	65375600	2522.3	y	n
						46533100	2476.9	y	n
	3	21:25	1.47	y	490.02	5642020	230.4	y	n
						3842330	210.8	y	n
	4	21:40	1.50	y	113.14	1312600	36.3	y	n
						877166	34.0	y	n
	5	22:02	1.44	y	2319.40	26523300	795.0	y	n
						18369200	750.8	y	n
	6	22:24	1.43	y	JA 1054.62	12003700	514.6	y	n
						8408590	489.1	y	n
1,2,3,7,8-PeCDF	7	22:32	1.50	y	JA 838.25	9587740	365.9	y	n
						6391940	334.4	y	n
	8	22:49	1.45	y	332.88	3809420	147.5	y	n
						2633580	140.8	y	n
	9	23:04	1.42	y	965.84	10958900	416.0	y	n
						7735160	413.2	y	n
2,3,4,7,8-PeCDF	10	23:53	1.45	y	1477.81	17205500	643.9	y	n
						11829500	605.2	y	n
	11	24:10	1.40	y	992.58	11220000	299.3	y	n
						7991480	283.1	y	n
	12	24:45	1.43	y	37.00	421461	14.7	y	n
						294656	14.6	y	n
	13	25:51	1.38	y	43.63	489972	13.8	y	n
						354574	14.1	y	n

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:10
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19

Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	10621.79 of which	* named and	10621.79	unnamed	
Conc:	1062.18 of which	* named and	1062.18	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:13	0.19	n	0.50	5934	2.0	n	n
						30723	2.5	n	n
	2	16:28	1.85	n	4.09	57556	6.4	y	n
						31035	2.2	n	n
	3	17:17	1.56	y	10.75	126847	13.8	y	n
						81221	7.4	y	n
	4	17:54	0.45	n	3.16	37150	2.3	n	n
						82561	5.2	y	n
	5	18:41	0.37	n	8.16	95972	7.7	y	n
						260229	16.7	y	n
	6	18:49	0.50	n	1.76	20684	2.0	n	n
						41684	4.3	y	n
	7	19:04	0.47	n	14.70	172981	14.2	y	n
						371739	27.0	y	n
	8	19:14	0.49	n	6.48	76188	8.1	y	n
						155068	13.0	y	n
	9	19:36	1.63	y	1010.08	12125600	1119.8	y	n
						7424640	575.3	y	n
	10	19:53	2.95	n	2.51	56132	4.2	y	n
						19021	2.3	n	n

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:15
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	41009.36 of which	1995.05 named and	39014.31	unnamed
Conc:	4100.94 of which	199.50 named and	3901.43	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:02	0.58	n	3.31	26898	2.0	n	n
						46690	4.8	y	n
	2	21:22	0.62	n	~~998.86~~	8124820	417.4	y	n
						13116500	1039.2	y	n
	3	21:42	0.04	n	9.94	80883	4.9	y	n
						1937480	178.3	y	n
	4	22:08	1.59	y	124.48	1021570	62.5	y	n
						644189	52.6	y	n
	5	22:34	1.44	y	673.87	5314370	329.2	y	n
						3703220	321.6	y	n
	6	22:49	1.38	y	211.28	1637380	93.1	y	n
						1189890	94.8	y	n
	7	23:07	1.40	y	583.02	4551440	264.7	y	n
						3250480	261.5	y	n
	8	23:20	0.64	n	~~572.13~~	4653710	227.7	y	n
						7291050	580.0	y	n
	9	23:36	1.35	y	185.63	1425940	61.7	y	n
						1058190	66.0	y	n
	10	23:59	1.46	y	270.41	2150320	118.3	y	n
						1468240	119.8	y	n
	11	24:14	1.74	y	101.33	860447	42.8	y	n
						495472	41.1	y	n
	12	24:23	0.69	n	~~19.86~~	161557	11.0	y	n
						233143	19.0	y	n
1,2,3,7,8-PeCDD	13	24:38	1.61	y	199.50	1646020	88.3	y	n
						1023720	78.4	y	n
	14	24:56	1.96	n	61.18	628296	29.8	y	n
						321044	27.7	y	n
	15	25:38	1.47	y	86.14	685843	30.8	y	n
						466852	33.7	y	n

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:12
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 275189.57 of which 146539.82 named and 128649.75 unnamed
Conc: 27518.96 of which 14653.98 named and 12864.97 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:11	1.15	y	1704.13	16543400	178.3	y	n
						14434100	299.2	y	n
	2	28:36	1.14	y	9094.58	87991500	922.2	y	n
						77328700	1528.7	y	n
	3	29:01	1.05	y	95.74	893094	11.3	y	n
						847248	18.8	y	n
	4	29:27	1.07	y	228.76	2148620	23.2	y	n
						2009780	39.8	y	n
	5	29:54	1.15	y	1274.72	12380000	154.7	y	n
						10791700	255.6	y	n
1,2,3,4,7,8-HxCDF	6	30:41	1.13	y	10575.31	104137000	1535.9	y	n
						92221100	2617.4	y	n
1,2,3,6,7,8-HxCDF	7	30:51	1.15	y	3091.68	32016300	483.0	y	n
						27882000	814.1	y	n
	8	31:18	1.21	y	265.12	2638070	26.2	y	n
						2181260	41.0	y	n
	9	31:31	1.07	y	182.97	1721770	37.1	y	n
						1604210	64.5	y	n
2,3,4,6,7,8-HxCDF	10	31:37	1.21	y	731.75	7150600	133.7	y	n
						5902730	224.7	y	n
1,2,3,7,8,9-HxCDF	11	32:29	1.14	y	255.24	2304480	50.3	y	n
						2017090	83.0	y	n
	12	32:40	1.12	y	18.95	181764	4.4	y	n
						162753	8.3	y	n

See pg 6A

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:13
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 275345.66 of which 133279.20 named and 142066.45 unnamed
Conc: 27534.57 of which 13327.92 named and 14206.65 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:11	1.15	y	1704.13	16543400	178.3	y	n
						14434100	299.2	y	n
	2	28:36	1.14	y	9094.59	87991600	922.2	y	n
						77328700	1528.7	y	n
	3	29:01	1.05	y	95.74	893094	11.3	y	n
						847219	18.8	y	y
	4	29:27	1.07	y	228.76	2148640	23.2	y	n
						2009780	39.8	y	n
	5	29:54	1.15	y	1274.72	12380000	154.7	y	n
						10791700	255.6	y	n
	6	30:36	1.09	y	1141.40	10809200	359.0	y	y
						9939090	630.8	y	y
1,2,3,4,7,8-HxCDF	7	30:41	1.13	y	9477.09	93505700	1536.7	y	y
						82461200	2619.1	y	y
1,2,3,6,7,8-HxCDF	8	30:51	1.15	y	3091.68	32016300	483.0	y	n
						27882000	814.1	y	n
	9	31:18	1.21	y	265.12	2638080	26.2	y	n
						2181250	41.0	y	n
	10	31:31	1.07	y	182.97	1721780	37.1	y	n
						1604200	64.5	y	n
2,3,4,6,7,8-HxCDF	11	31:37	1.21	y	731.75	7150610	133.7	y	n
						5902730	224.7	y	n
1,2,3,7,8,9-HxCDF	12	32:25	1.18	y	27.39	251382	6.9	y	y
						212374	13.0	y	y
	13	32:29	1.20	y	219.22	2176230	51.0	y	y
						1808640	83.1	y	y

pg 6A

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:10
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 142329.64 of which 24541.45 named and 117788.20 unnamed
Conc: 14232.96 of which 2454.14 named and 11778.82 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:36	0.39	n	20.91	170602	4.3	y	n
						433143	11.0	y	n
	2	29:28	0.42	n	51.38	419255	10.0	y	n
						1009640	24.8	y	n
	3	29:45	1.15	y	1960.89	15453100	331.0	y	n
						13448800	323.0	y	n
	4	30:43	1.15	y	3146.86	24857700	743.4	y	n
						21524500	719.0	y	n
	5	31:05	1.15	y	6335.72	49993900	1595.2	y	n
						43389500	1545.6	y	n
	6	31:16	1.22	y	254.70	2062390	54.3	y	n
						1691670	49.9	y	n
1,2,3,4,7,8-HxCDD	7	31:48	1.15	y	156.88	1186120	51.0	y	n
						1032240	48.9	y	n
1,2,3,6,7,8-HxCDD	8	31:54	1.15	y	1514.77	12023200	472.3	y	n
						10443100	459.6	y	n
1,2,3,7,8,9-HxCDD	9	32:13	1.22	y	782.49	6556900	201.5	y	n
						5372830	192.8	y	n
	10	32:49	3.59	n	8.35	197397	9.1	y	n
						54952	3.6	y	n

See pg 7A

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 652224.82 of which 594624.98 named and 57599.84 unnamed
Conc: 65222.48 of which 59462.50 named and 5759.98 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	33:49	0.98	y	58829.14	840025000	16366.1	y	n

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:8
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 140908.99 of which 23009.06 named and 117899.93 unnamed
Conc: 14090.90 of which 2300.91 named and 11789.99 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:45	1.15	y	1960.89	15453100	331.0	y	n
						13448800	323.0	y	n
	2	30:43	1.15	y	3146.86	24857700	743.4	y	n
						21524400	719.0	y	n
	3	31:05	1.15	y	6335.72	49993900	1595.2	y	n
						43389500	1545.6	y	n
	4	31:16	1.22	y	254.70	2062380	54.3	y	n
						1691650	49.9	y	n
1,2,3,4,7,8-HxCDD	5	31:48	1.15	y	156.88	1186120	51.0	y	n
						1032240	48.9	y	n
1,2,3,6,7,8-HxCDD	6	31:54	1.15	y	1514.77	12023200	472.3	y	n
						10443100	459.6	y	n
	7	32:10	1.01	n	91.83	749236	65.1	y	y
						741857	70.9	y	y
1,2,3,7,8,9-HxCDD	8	32:13	1.18	y	629.25	5196770	201.8	y	y
						4396690	193.3	y	y

						858236000	10136.0	y	n
	2	34:00	0.99	y	1976.43	27039900	436.5	y	n
						27401100	272.9	y	n
	3	34:06	0.99	y	3783.55	51934800	860.9	y	n
						52283700	535.3	y	n
1,2,3,4,7,8,9-HpCDF	4	34:53	1.01	y	633.35	8360650	151.0	y	n
						8247520	94.7	y	n

Totals Results STL Sacramento

Run Text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)

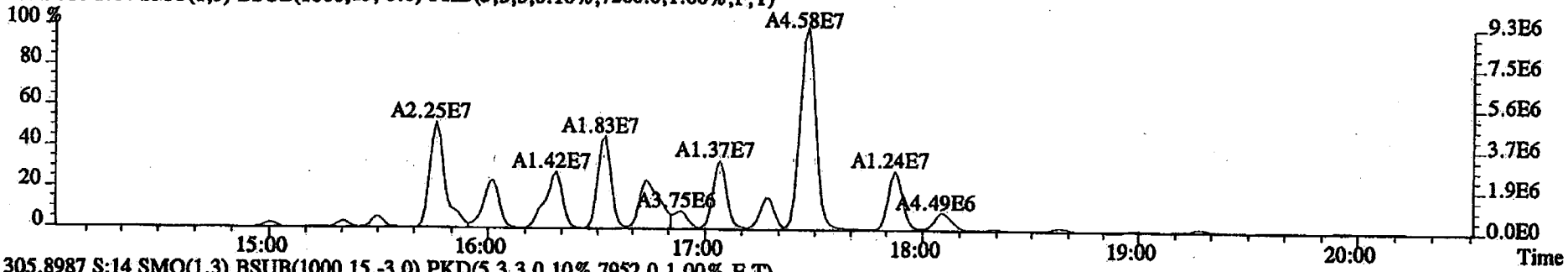
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 17 File: 23MR059D5 S:14 Acq:24-MAR-05 01:21:19
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 527345.89 of which 309542.06 named and 217803.83 unnamed
Conc: 52734.59 of which 30954.21 named and 21780.38 unnamed

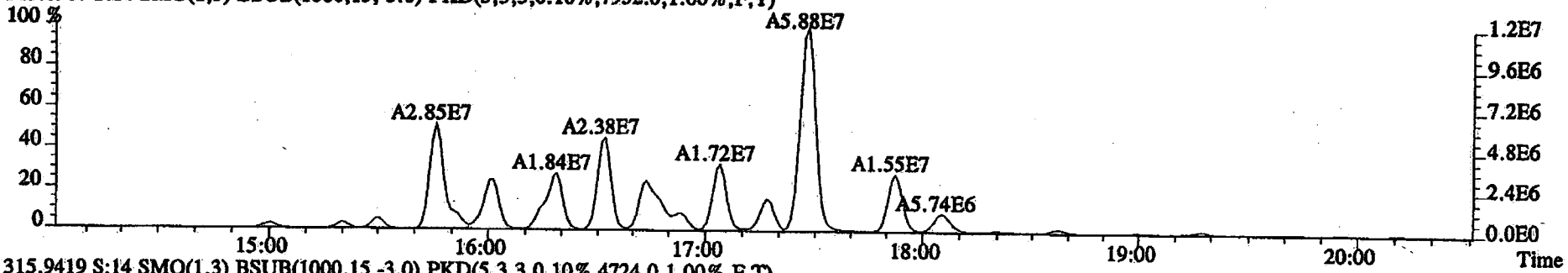
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	33:49	2.20	n	29.18	520554	11.3	y	n
						236210	3.5	y	n
	2	34:03	1.00	y	21751.20	179983000	3369.0	y	n
						179187000	2127.7	y	n
1,2,3,4,6,7,8-HpCDD	3	34:36	1.02	y	30954.21	258108000	4612.9	y	n
						253028000	2902.7	y	n

File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

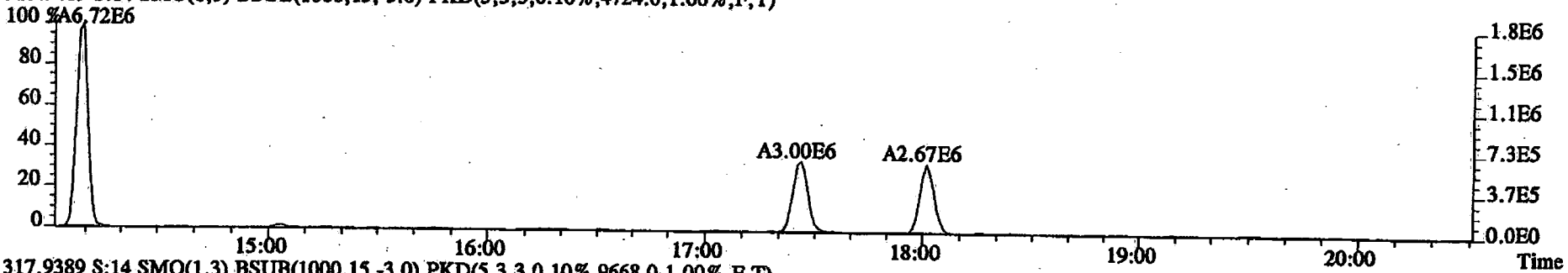
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)



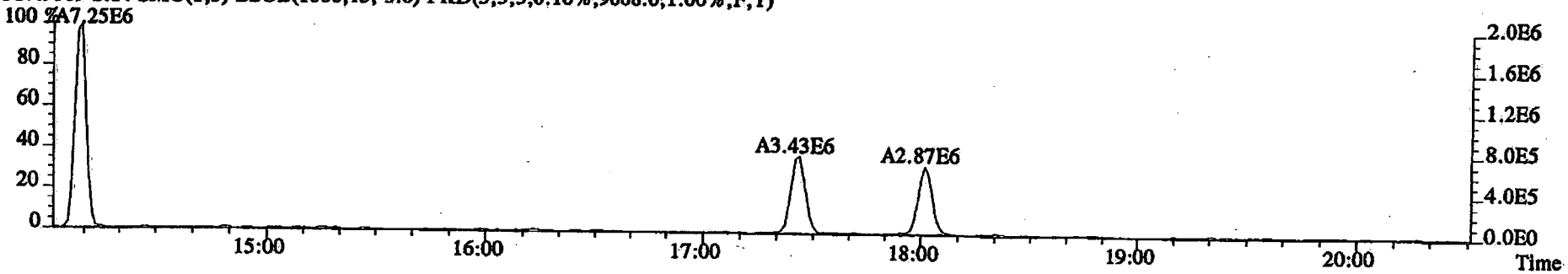
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7952.0,1.00%,F,T)



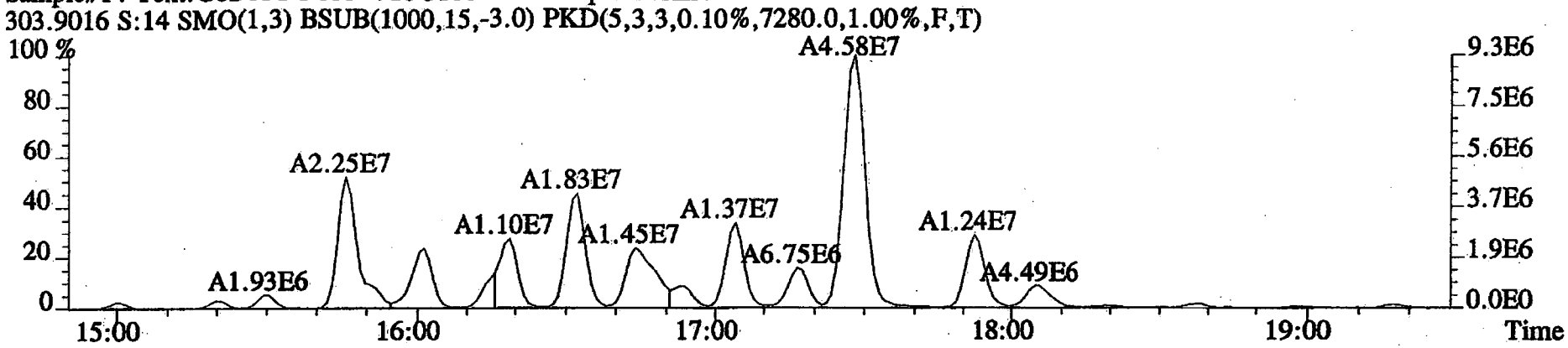
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)

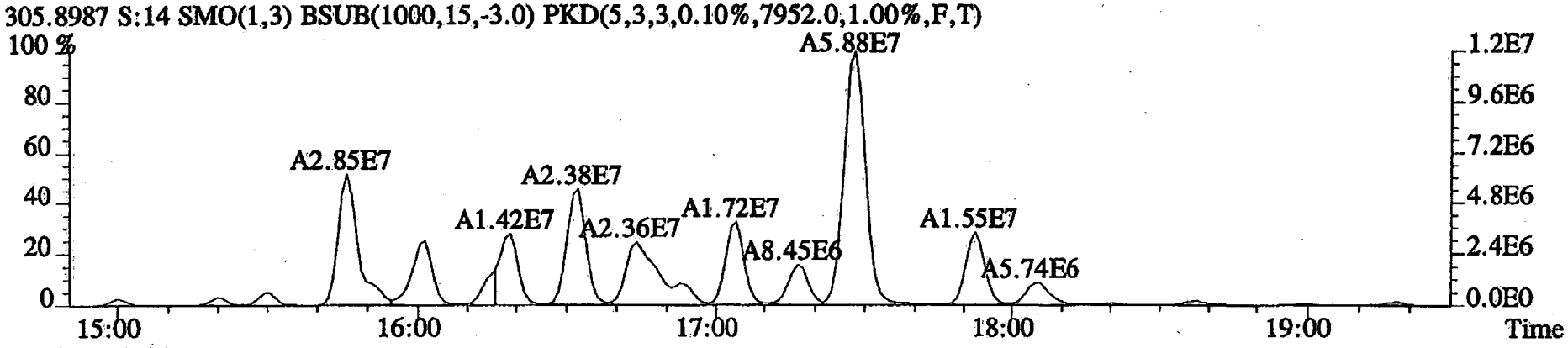


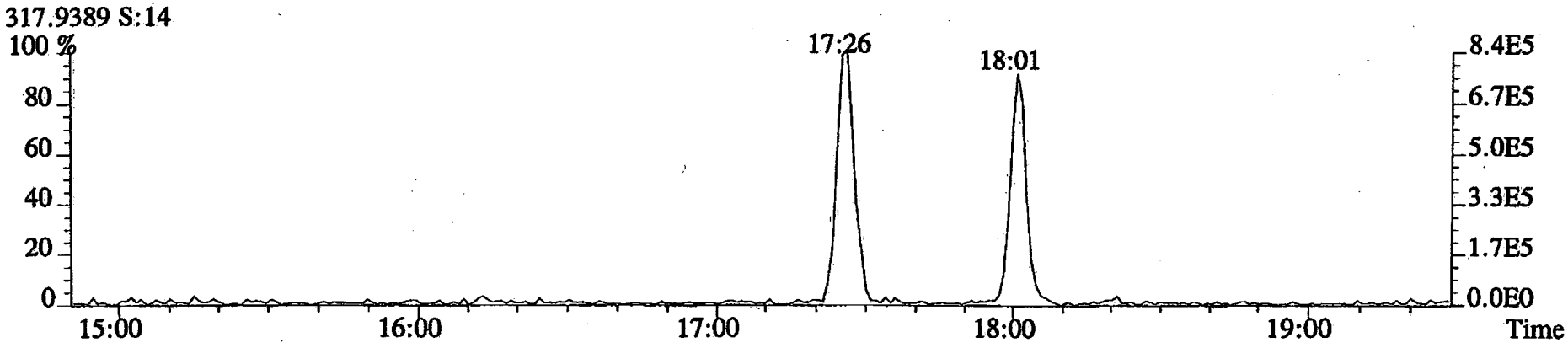
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9668.0,1.00%,F,T)



File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN







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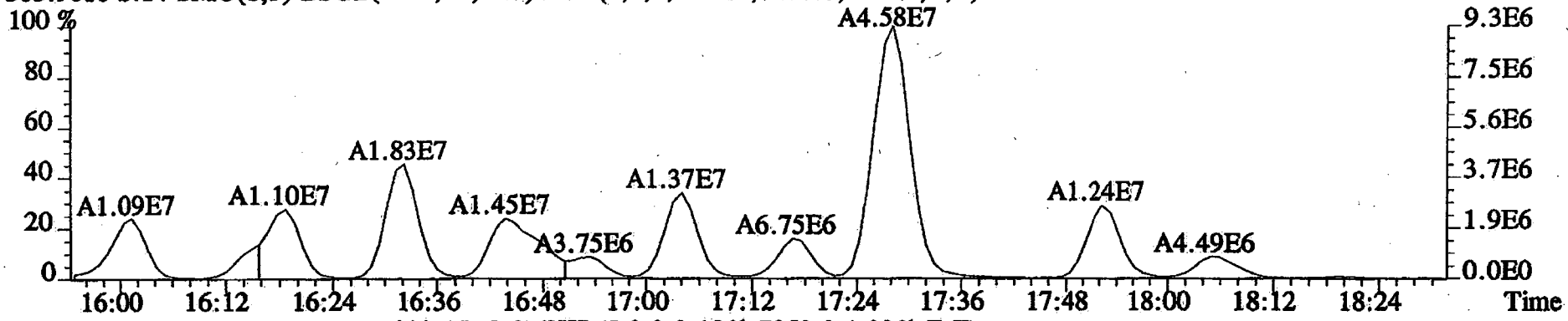
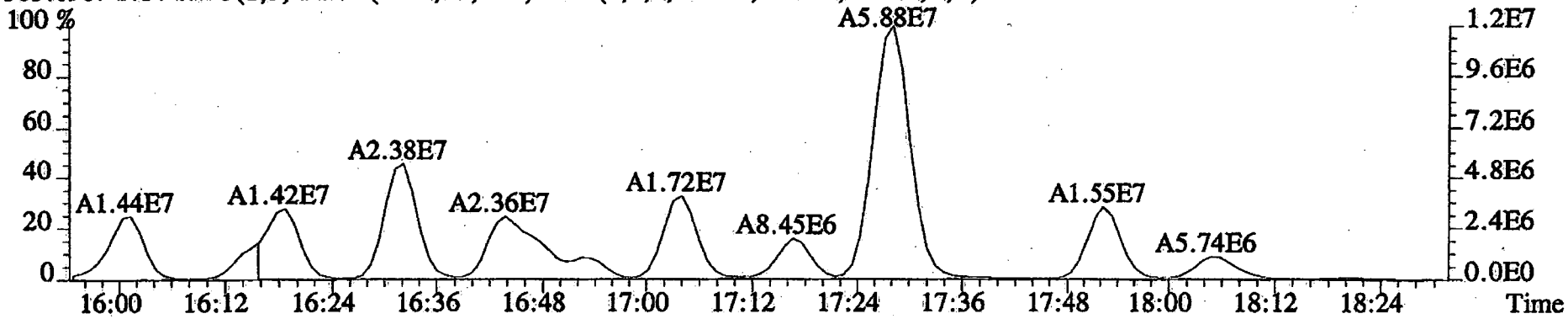
File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN

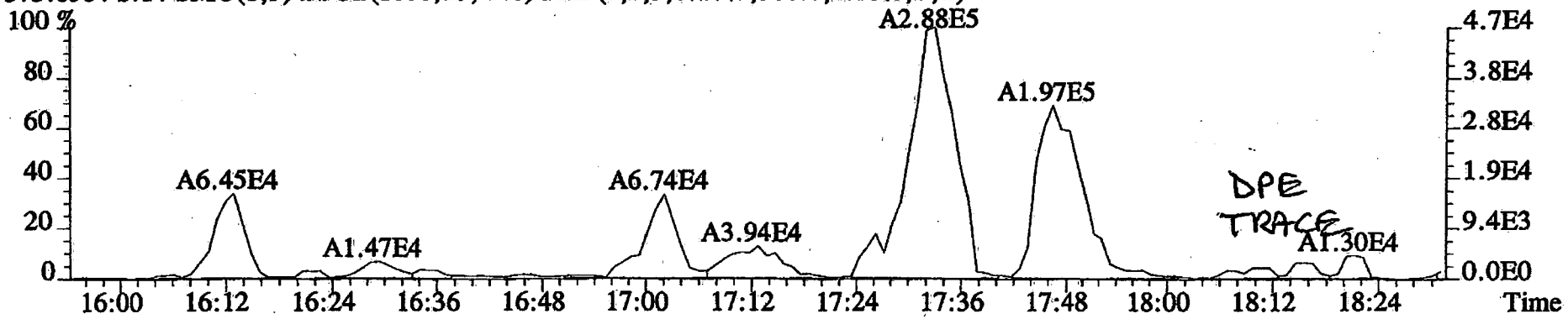
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)



305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7952.0,1.00%,F,T)



375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,300.0,1.00%,F,T)



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STL Edison
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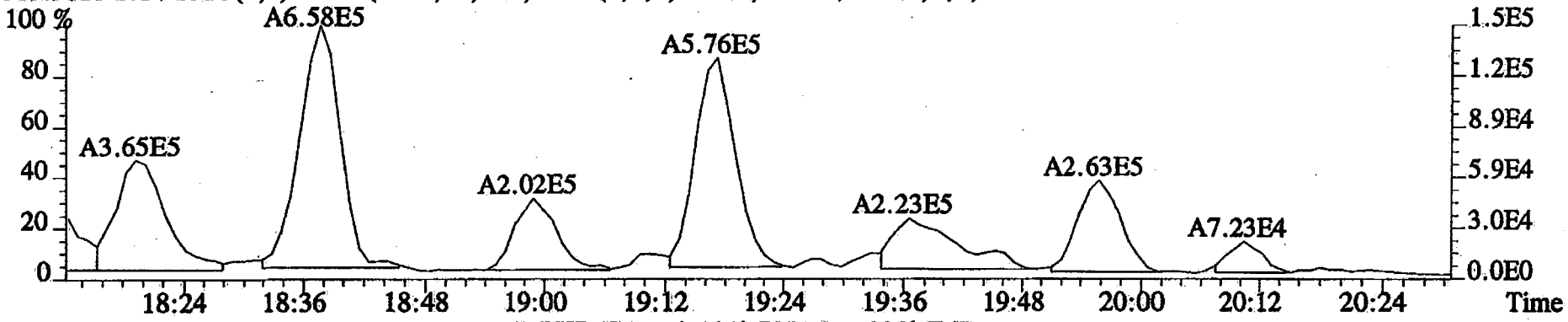
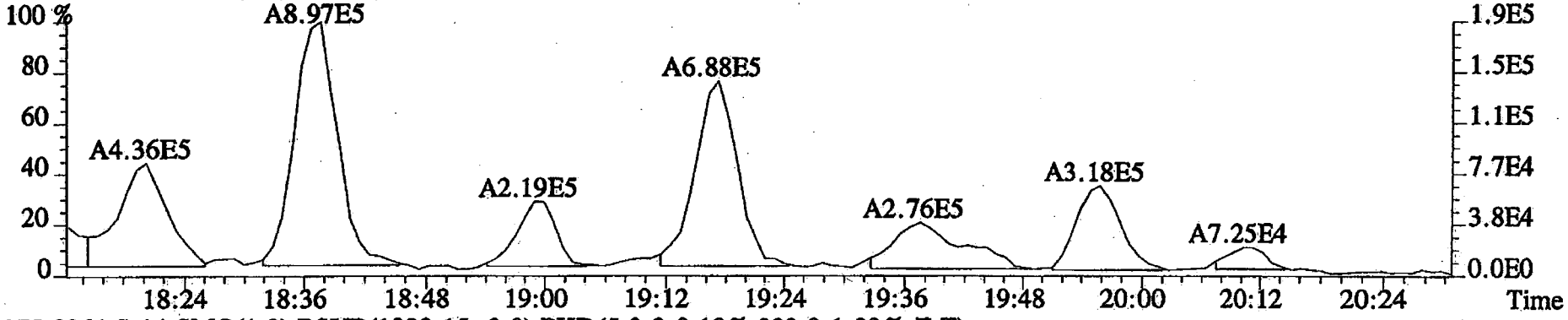
File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN

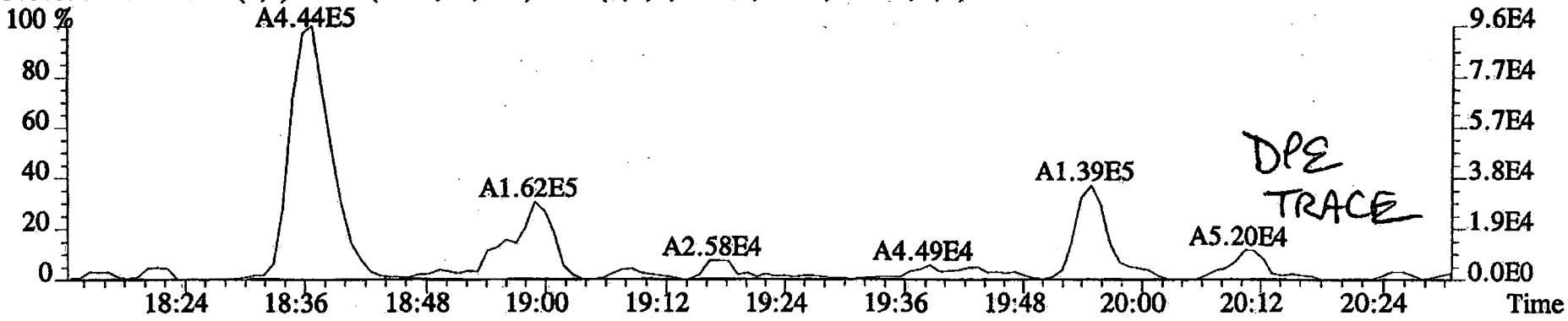
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7280.0,1.00%,F,T)



305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7952.0,1.00%,F,T)



375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,300.0,1.00%,F,T)



DPE TRACE

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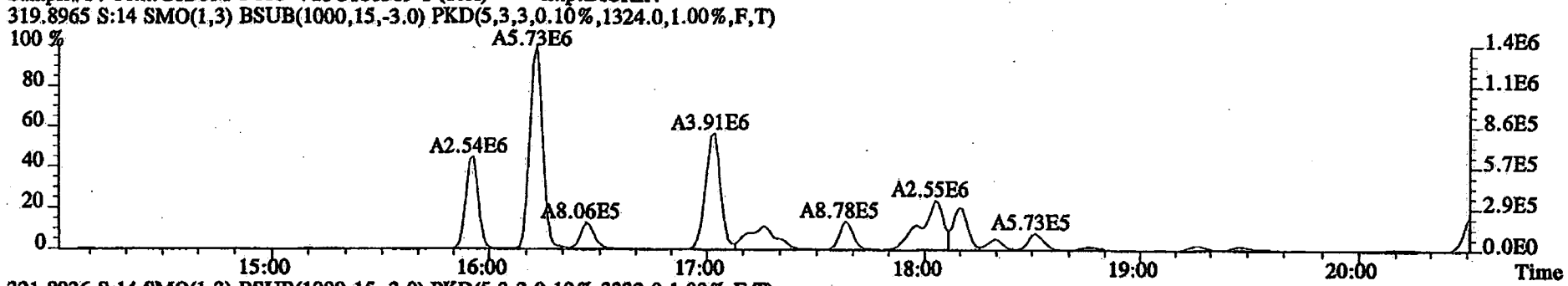
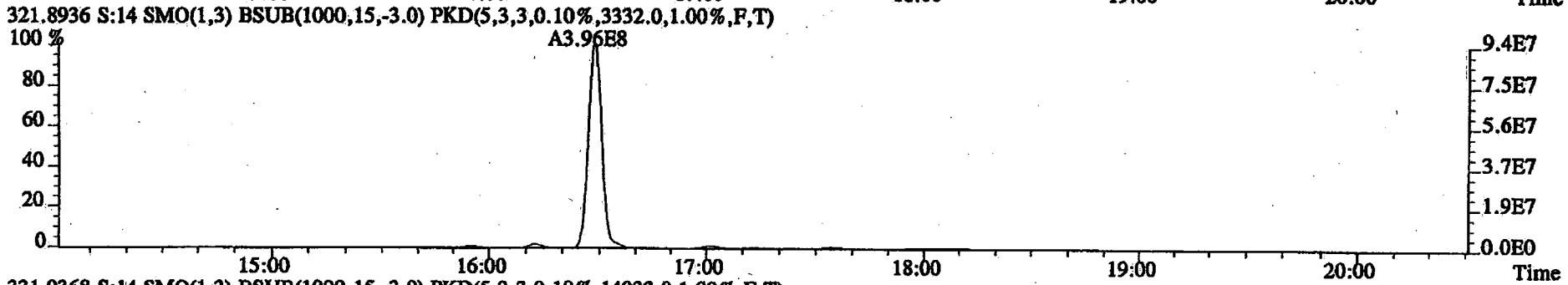
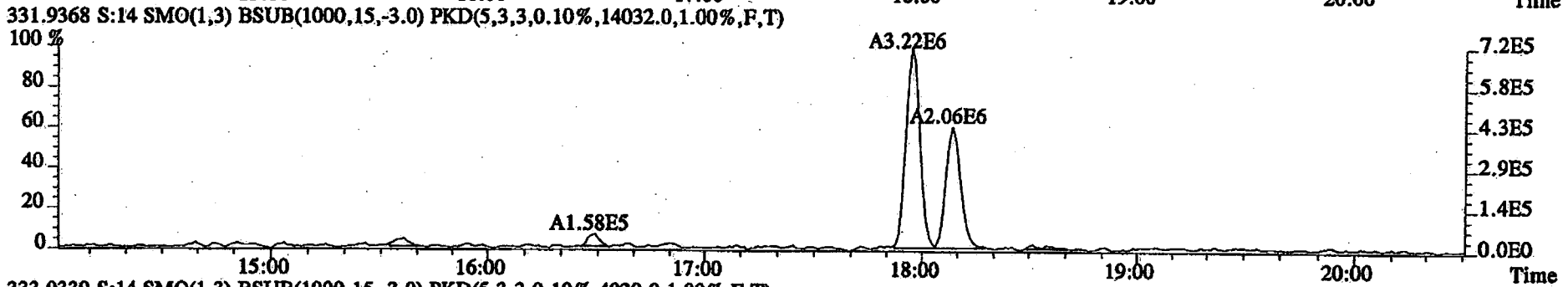
STL Edison

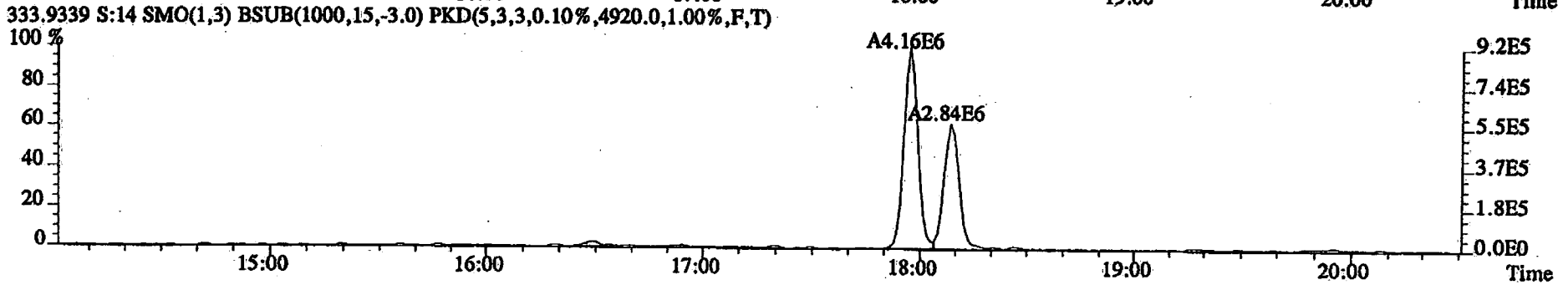
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN









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STL Edison

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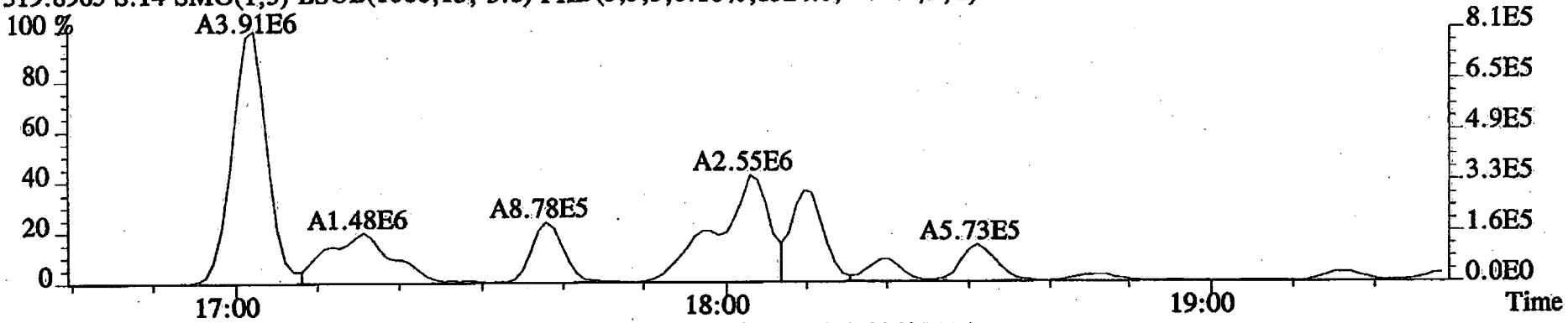
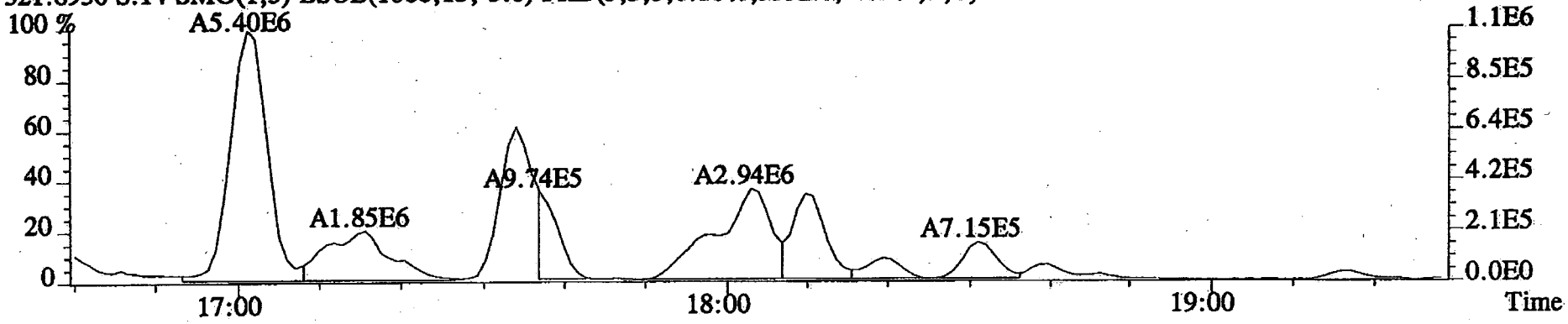
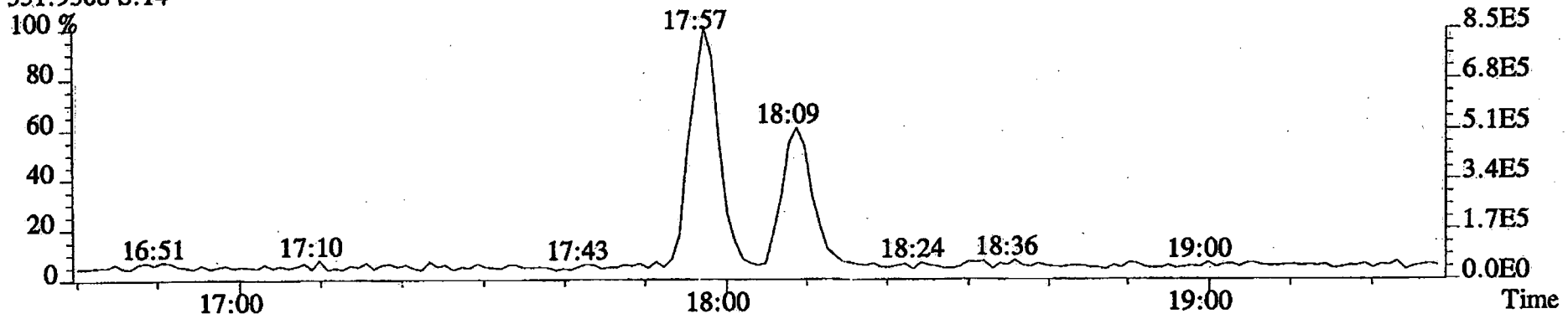
File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3332.0,1.00%,F,T)



331.9368 S:14



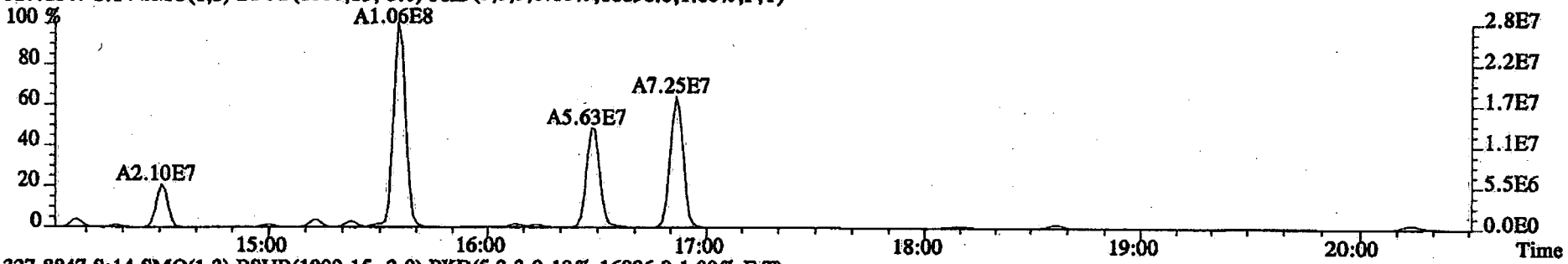
854

STL Edison

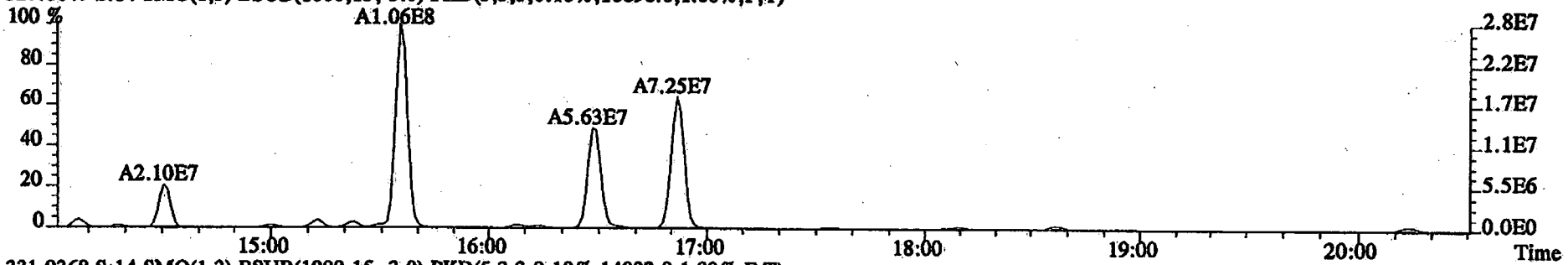
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

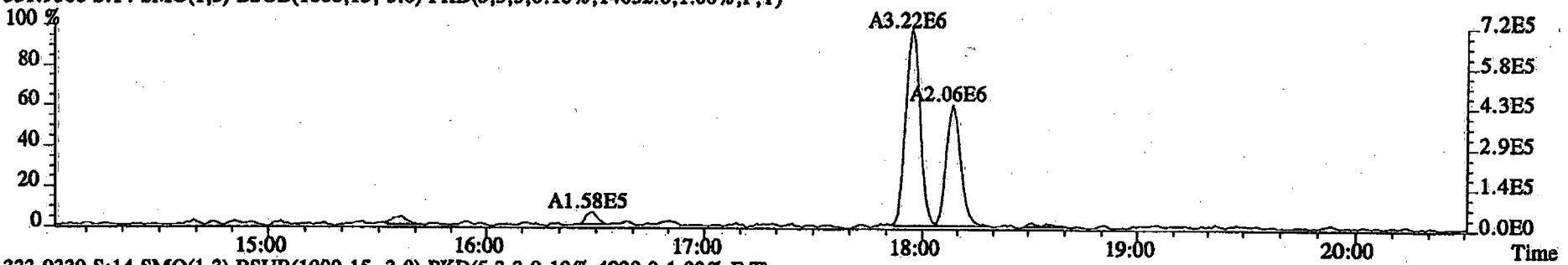
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16896.0,1.00%,F,T)



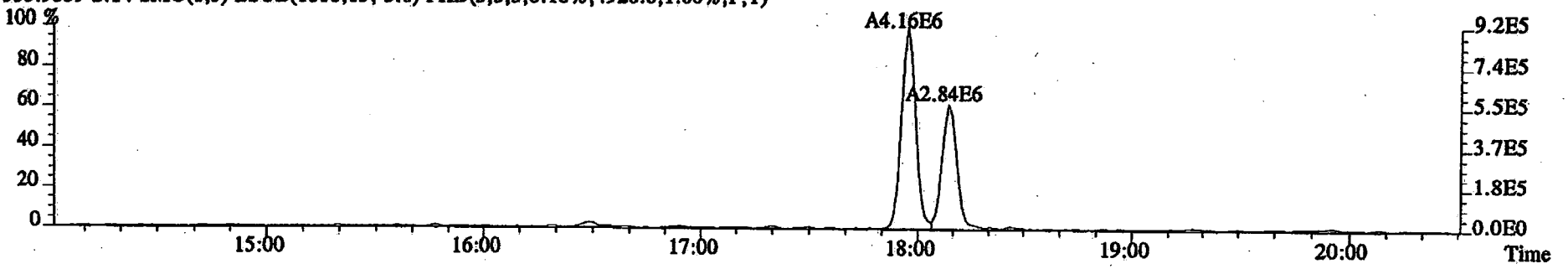
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16896.0,1.00%,F,T)



331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14032.0,1.00%,F,T)



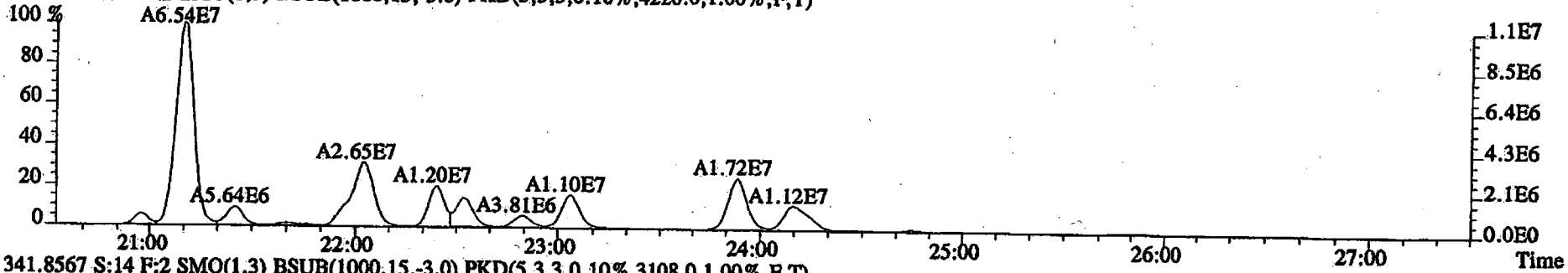
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4920.0,1.00%,F,T)



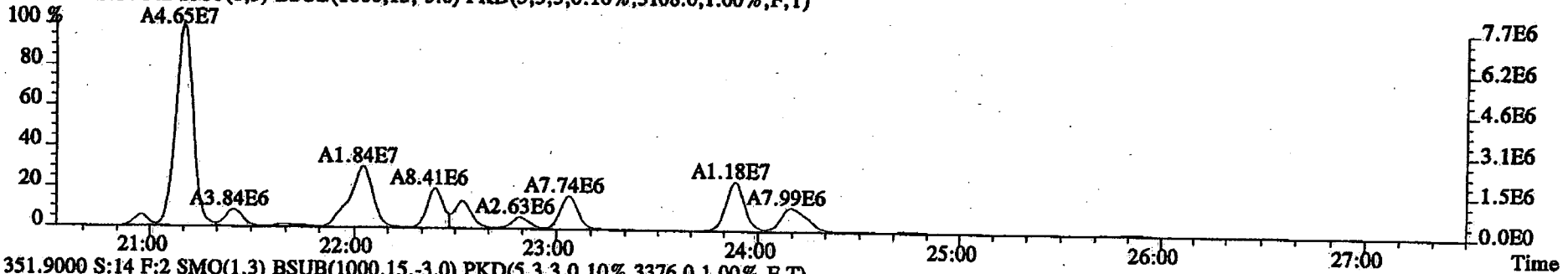
855
STL Edison
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

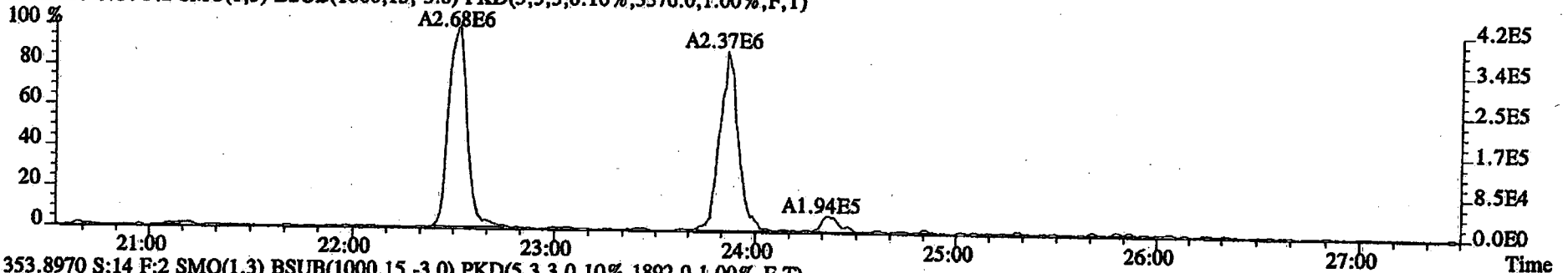
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4220.0,1.00%,F,T)



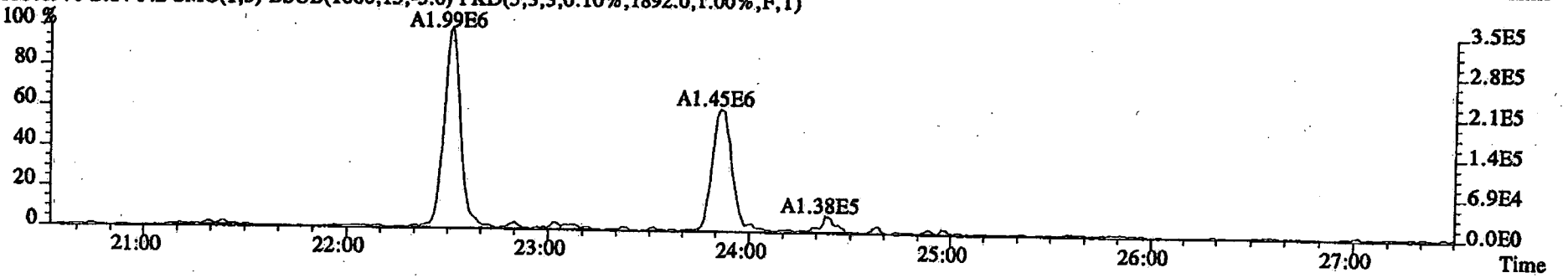
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)



351.9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3376.0,1.00%,F,T)



353.8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)



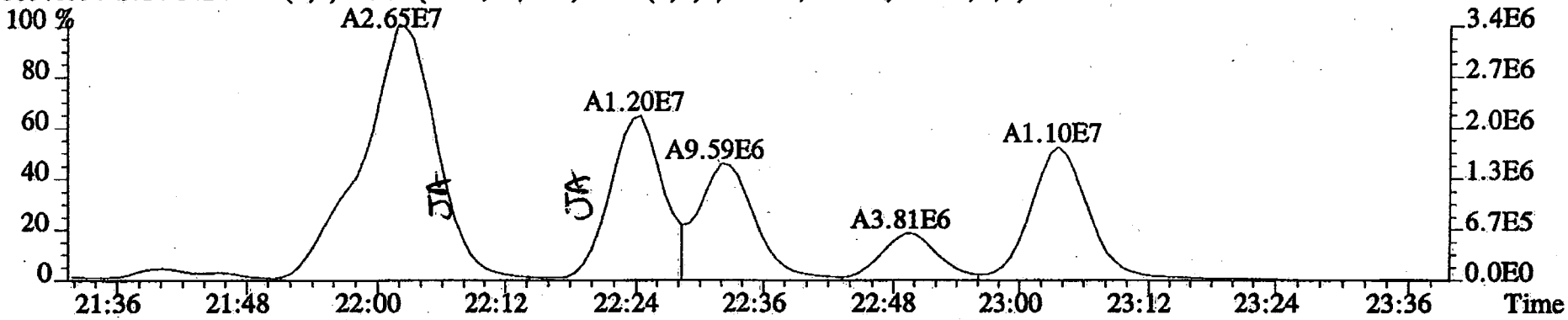
856

STL Edison

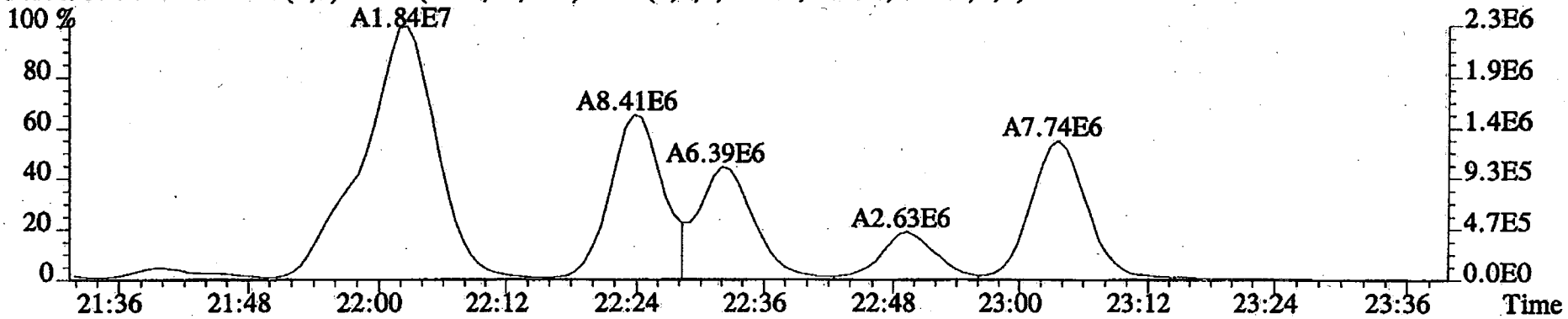
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN

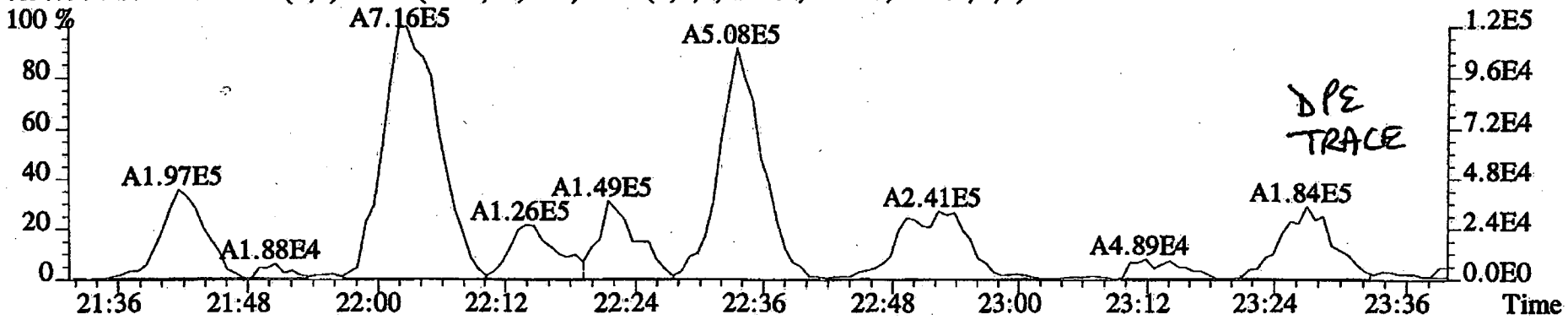
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4220.0,1.00%,F,T)



341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)



409.7974 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



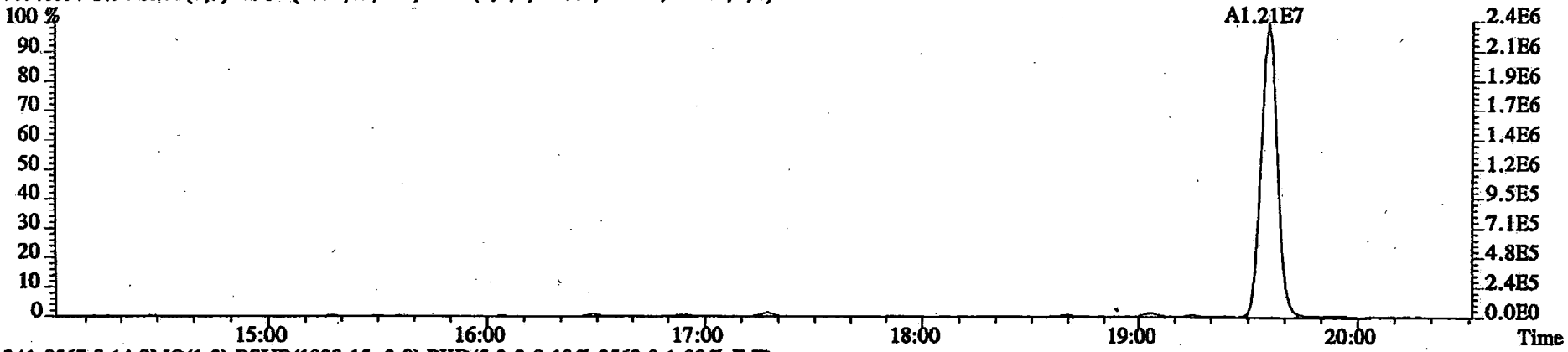
857

STL Edison

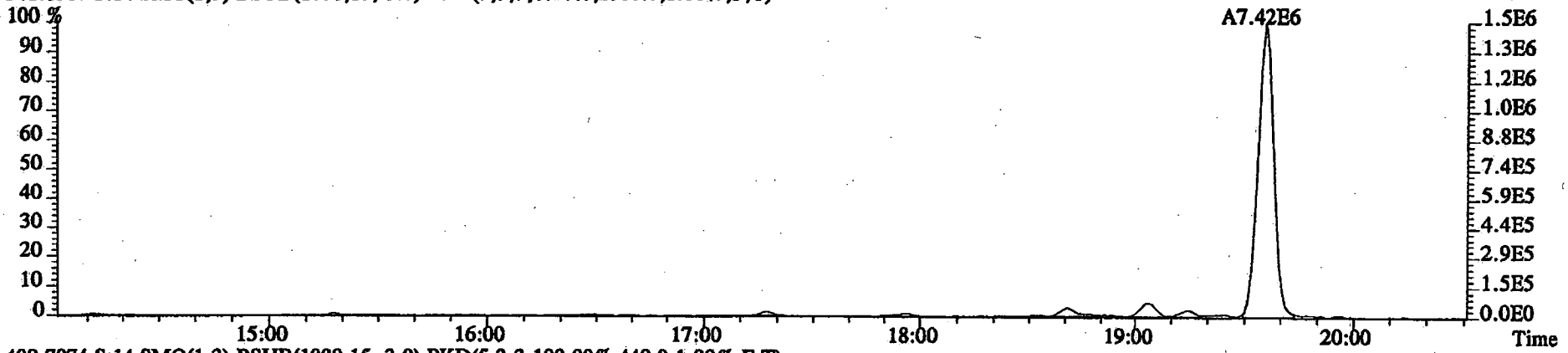
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

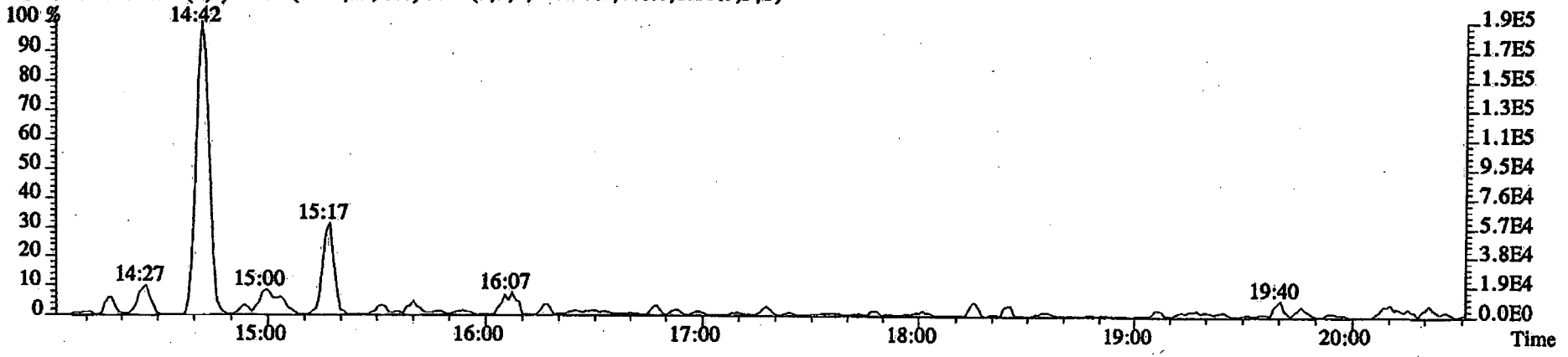
339.8597 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)



341.8567 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2560.0,1.00%,F,T)



409.7974 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,448.0,1.00%,F,T)



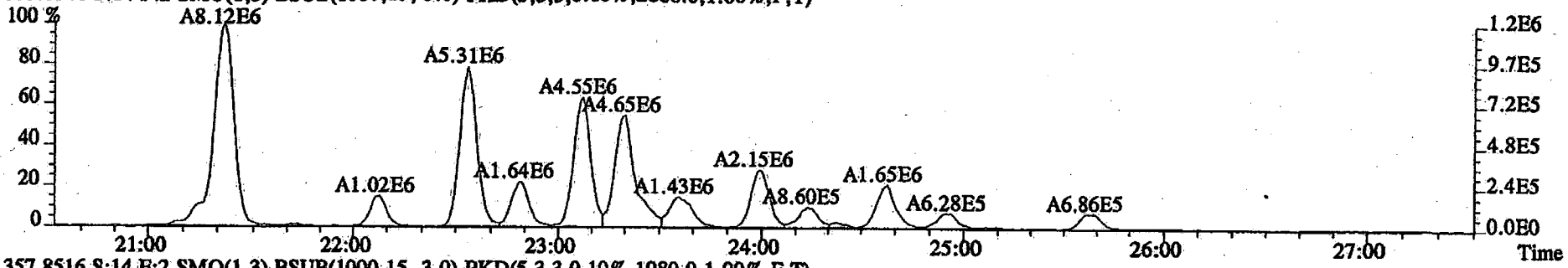
858

STL Edison

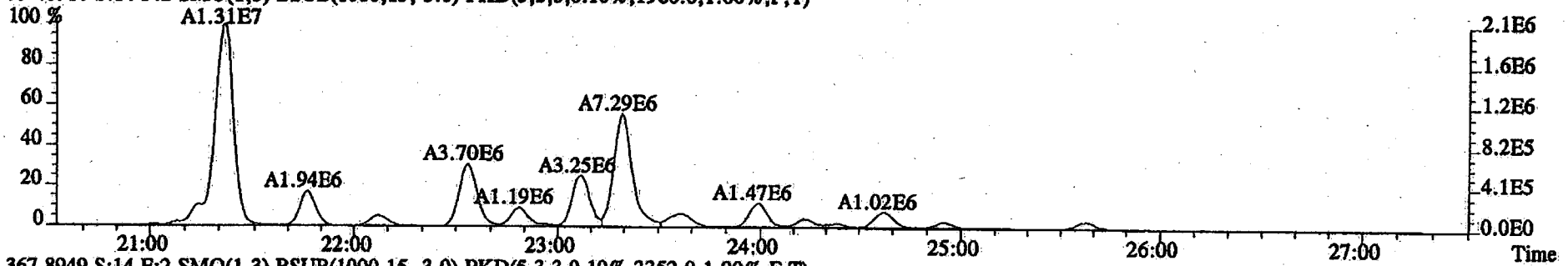
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

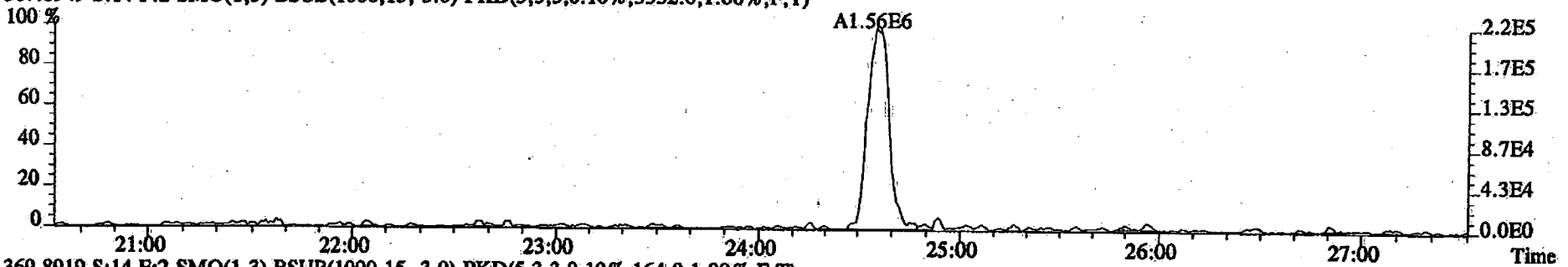
355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2888.0,1.00%,F,T)



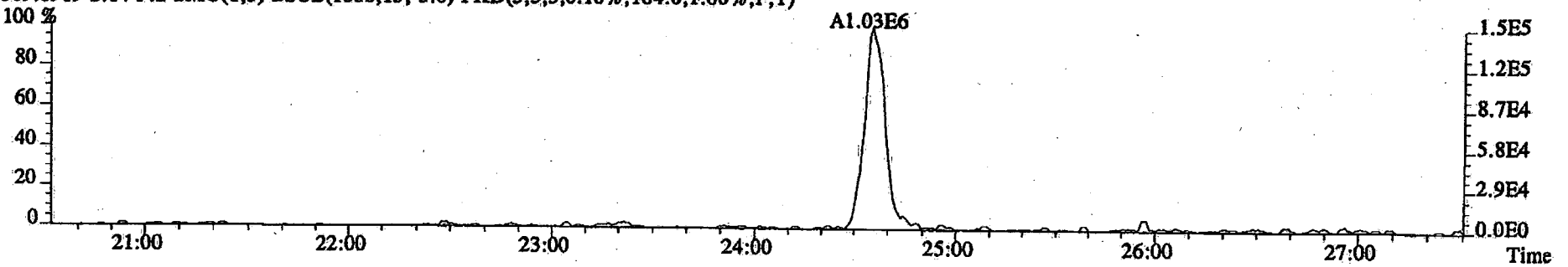
357.8516 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



367.8949 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3352.0,1.00%,F,T)



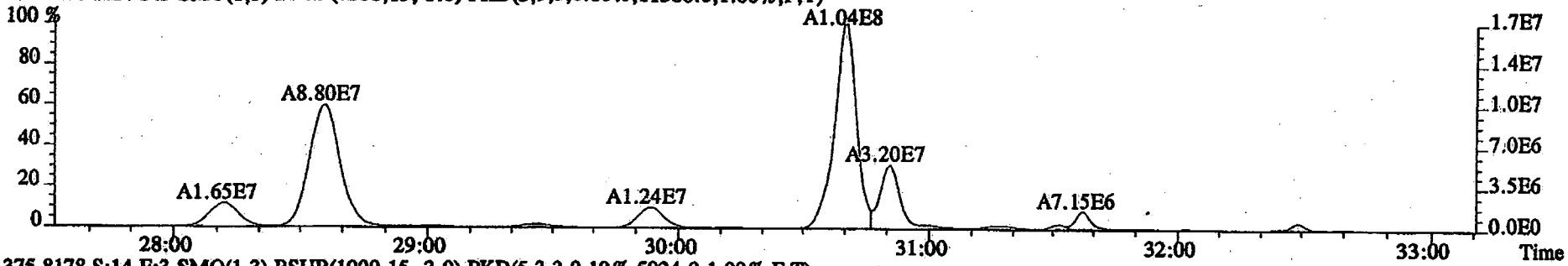
369.8919 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



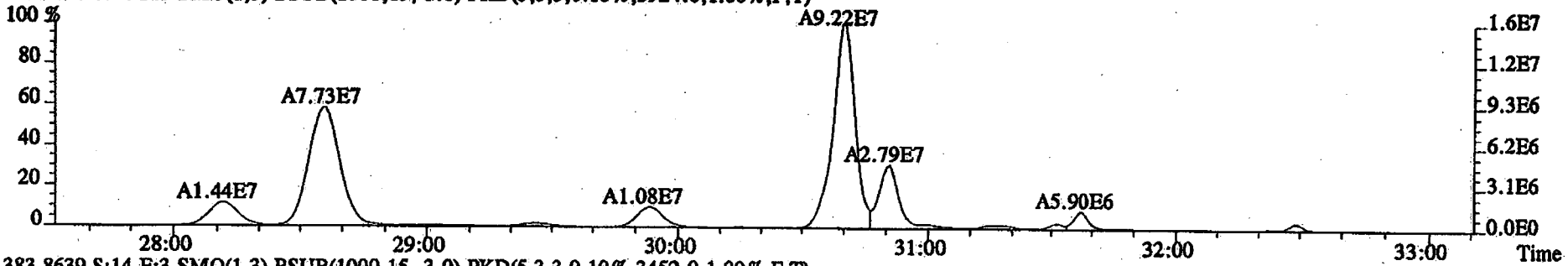
859
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

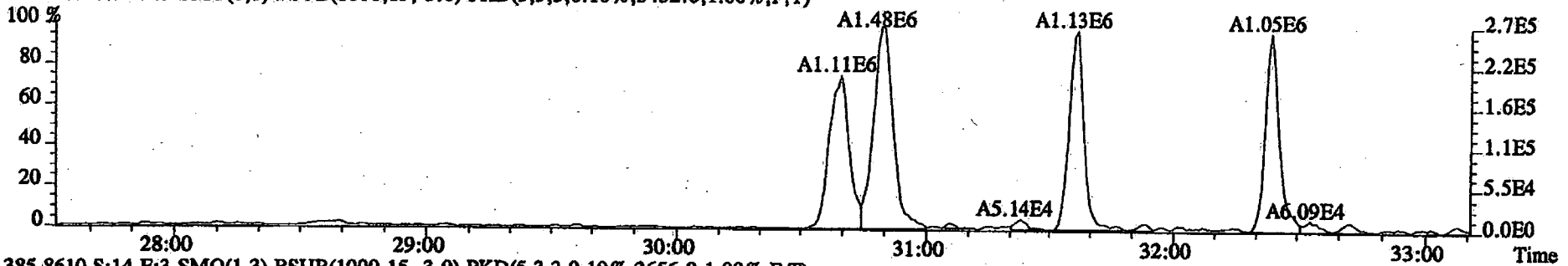
373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11360.0,1.00%,F,T)



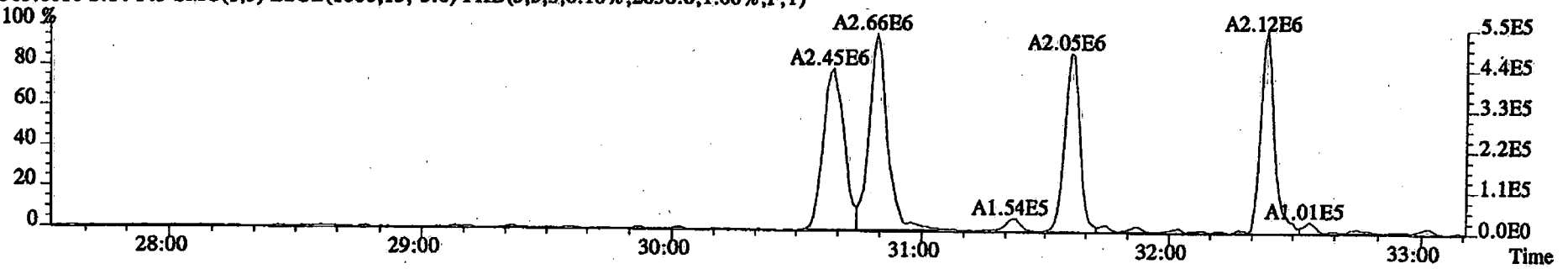
375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5924.0,1.00%,F,T)



383.8639 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



385.8610 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



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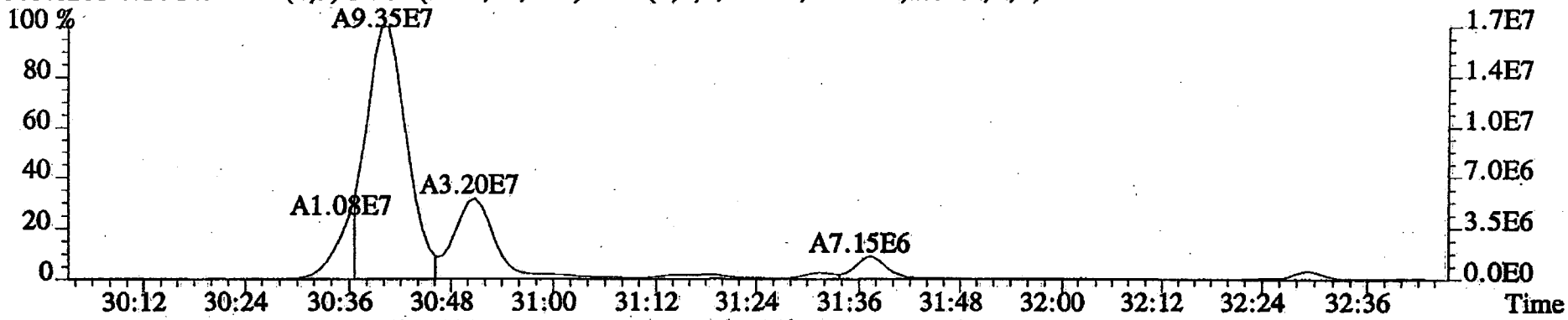
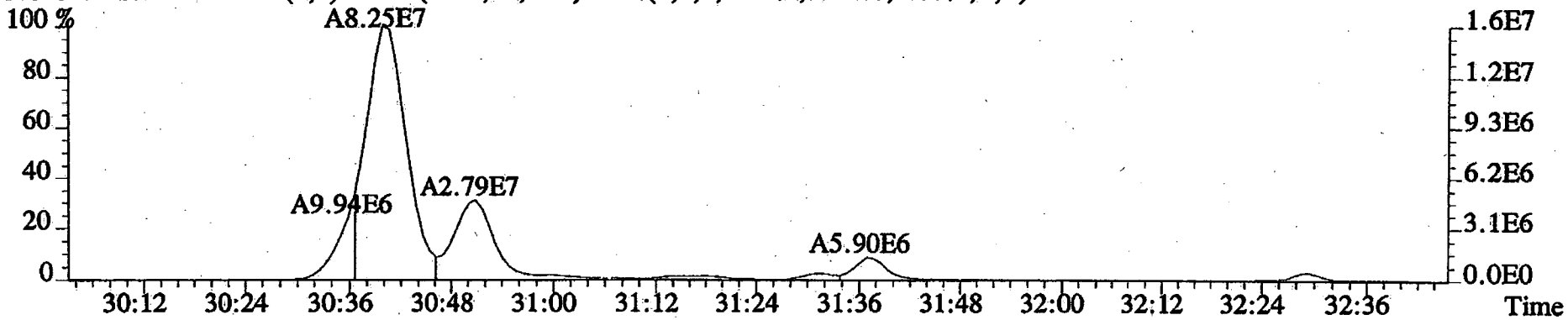
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN

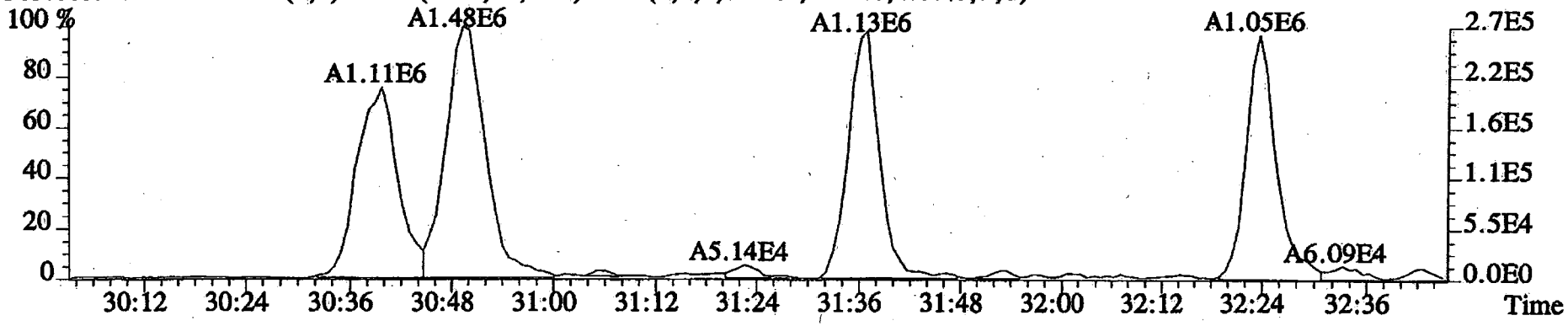
373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11360.0,1.00%,F,T)



375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5924.0,1.00%,F,T)



383.8639 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



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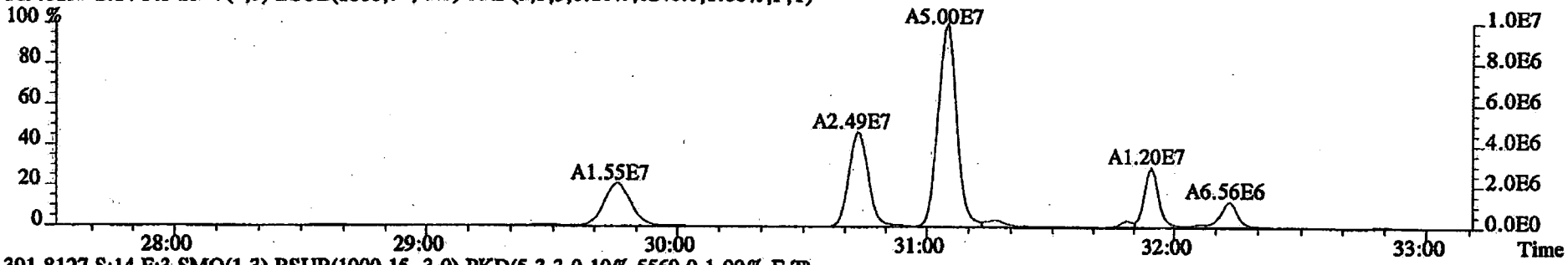
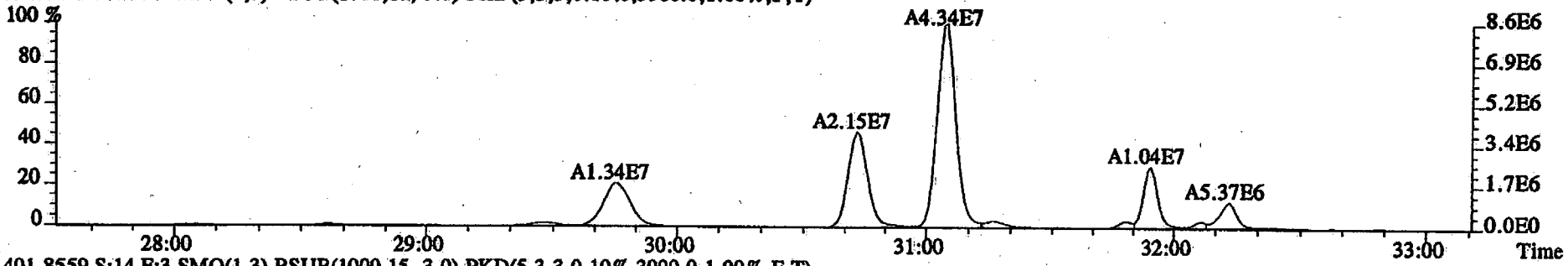
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

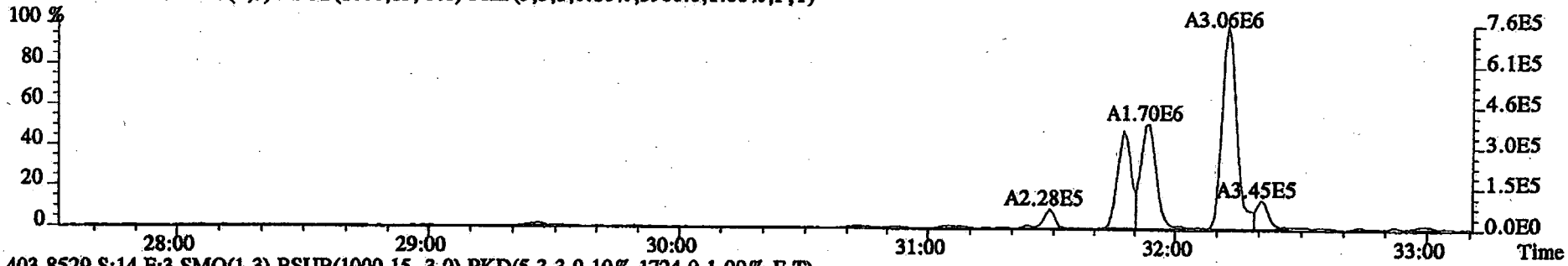
389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6240.0,1.00%,F,T)



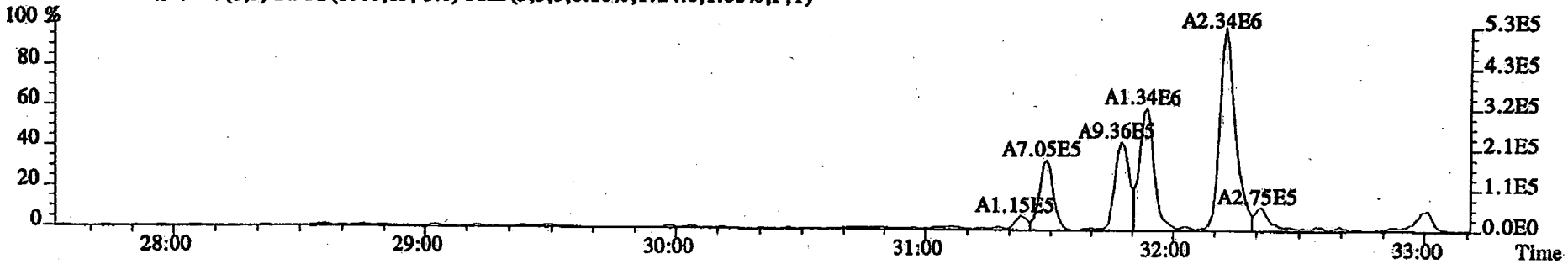
391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5560.0,1.00%,F,T)



401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3900.0,1.00%,F,T)



403.8529 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)



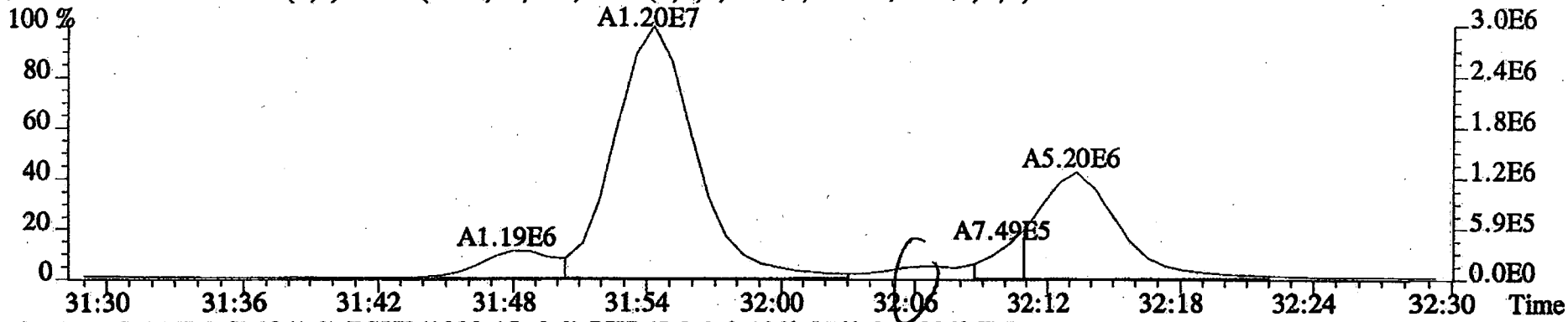
862

STL Edison

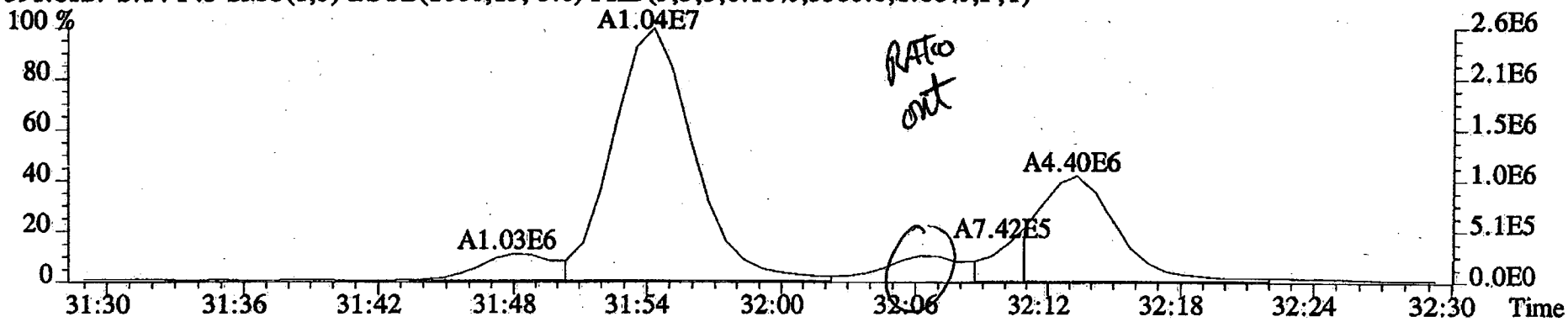
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 Exp:DIOXIN

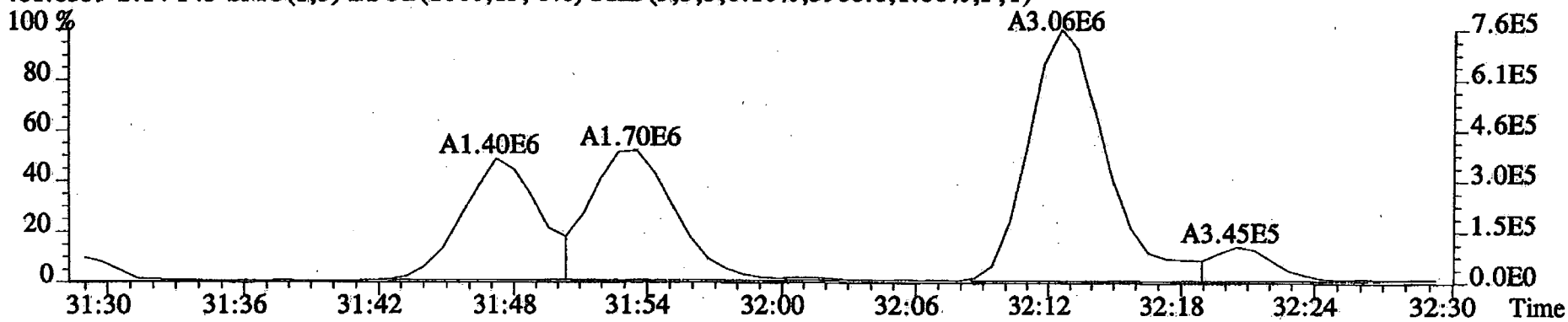
389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6240.0,1.00%,F,T)



391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5560.0,1.00%,F,T)



401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3900.0,1.00%,F,T)

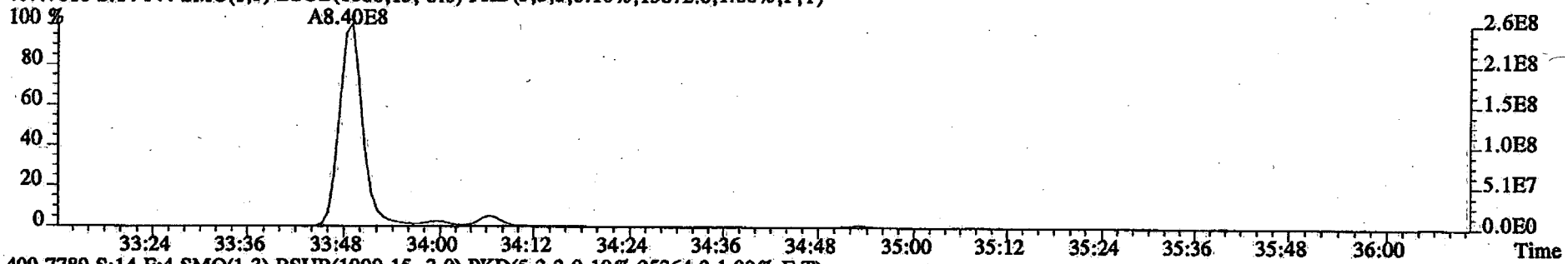


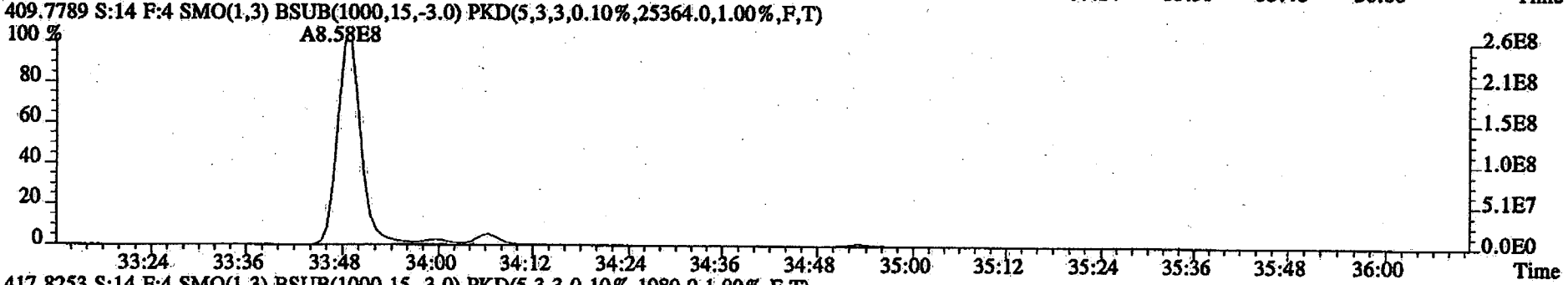
863

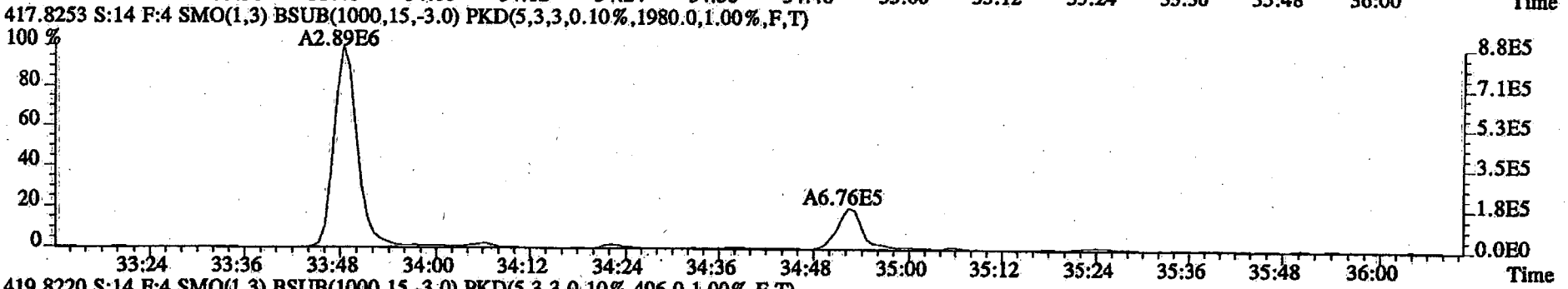
STL Edison

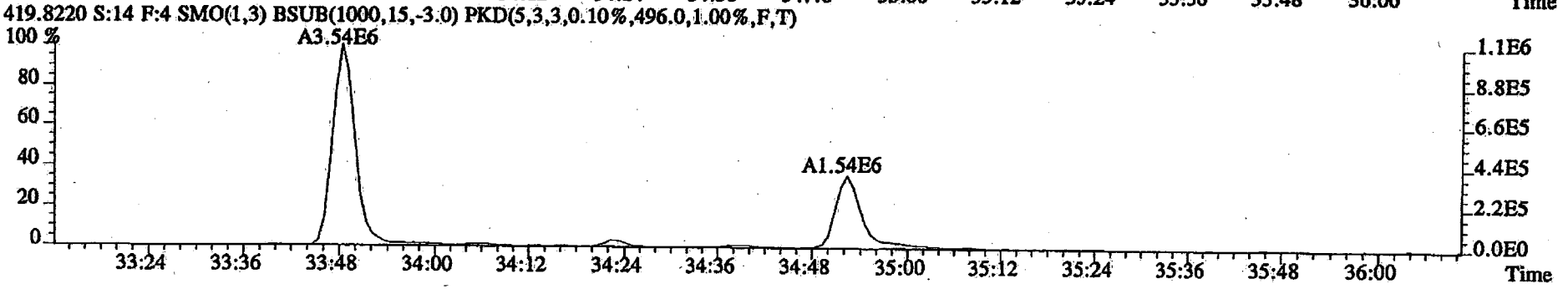
U855

File:23MR059D5 #1-238 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN



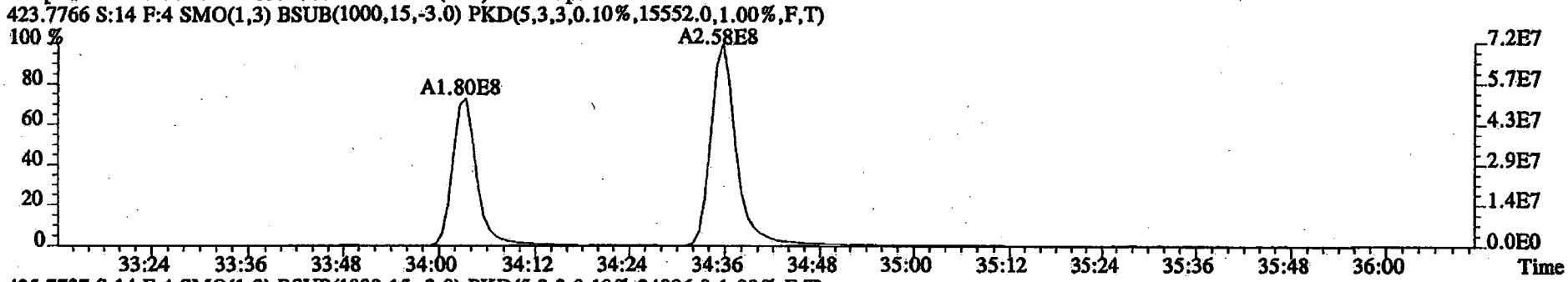


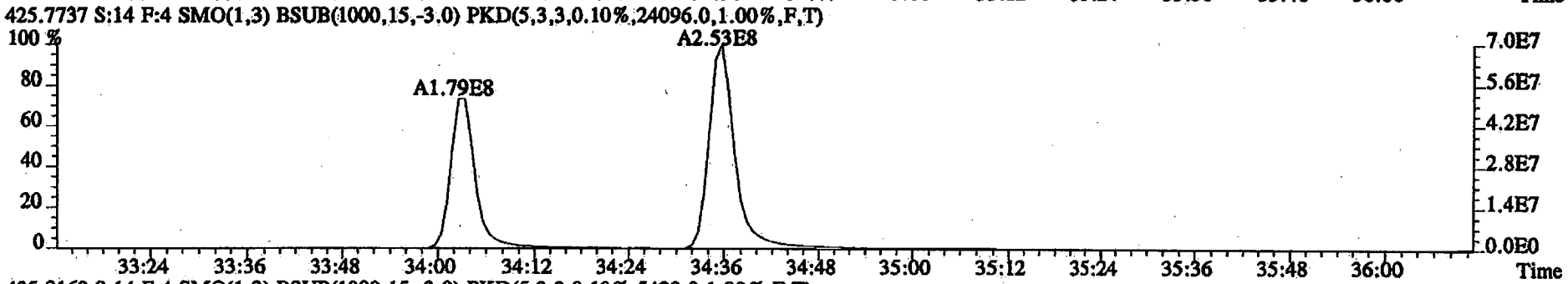


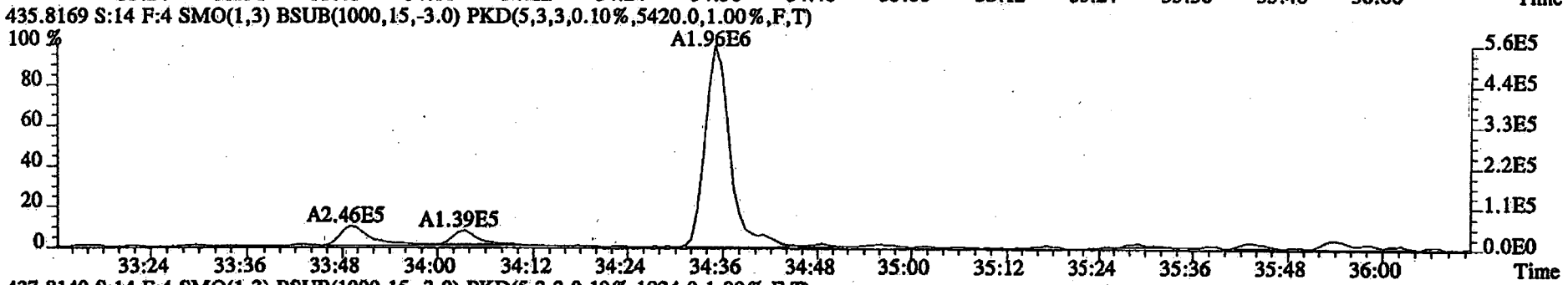


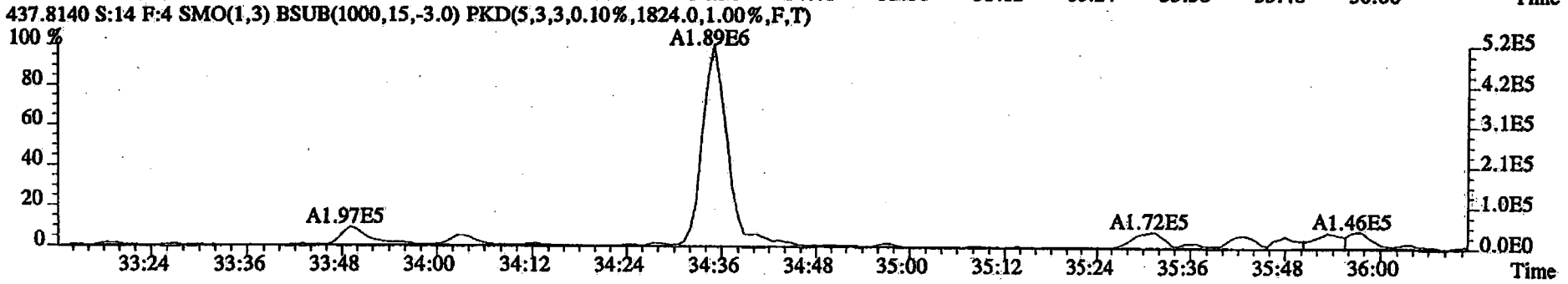
864
STL Edison
U855

File:23MR059D5 #1-238 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN



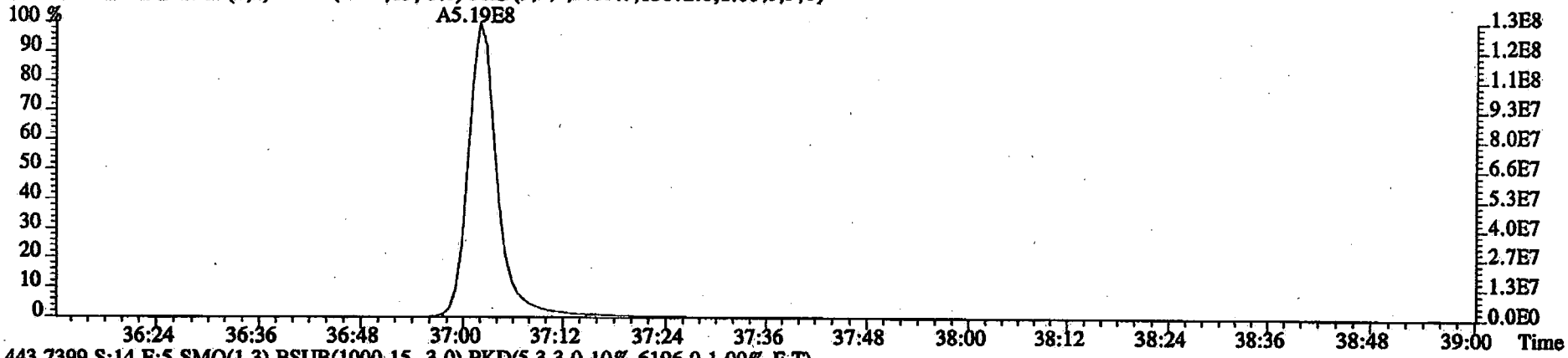




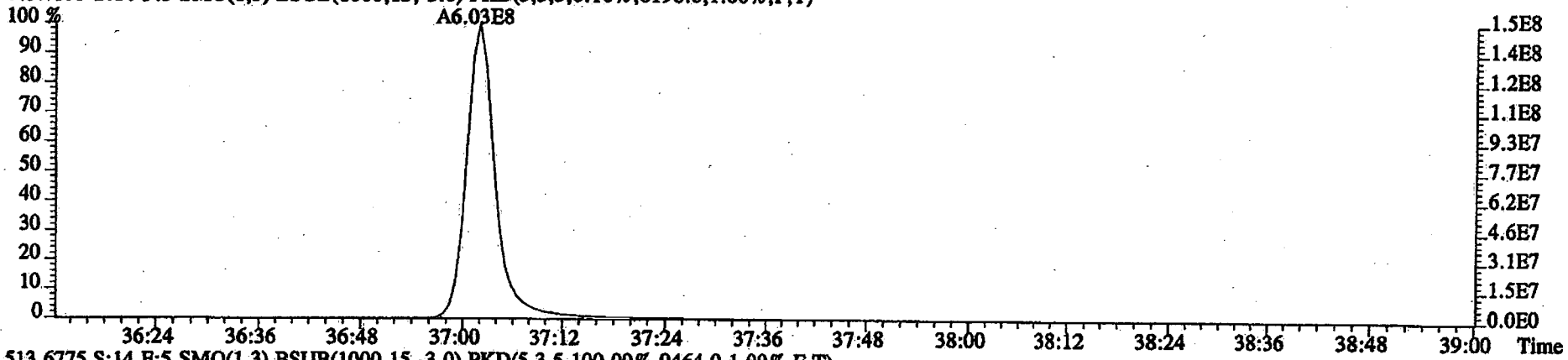


865
STL Edison
U855

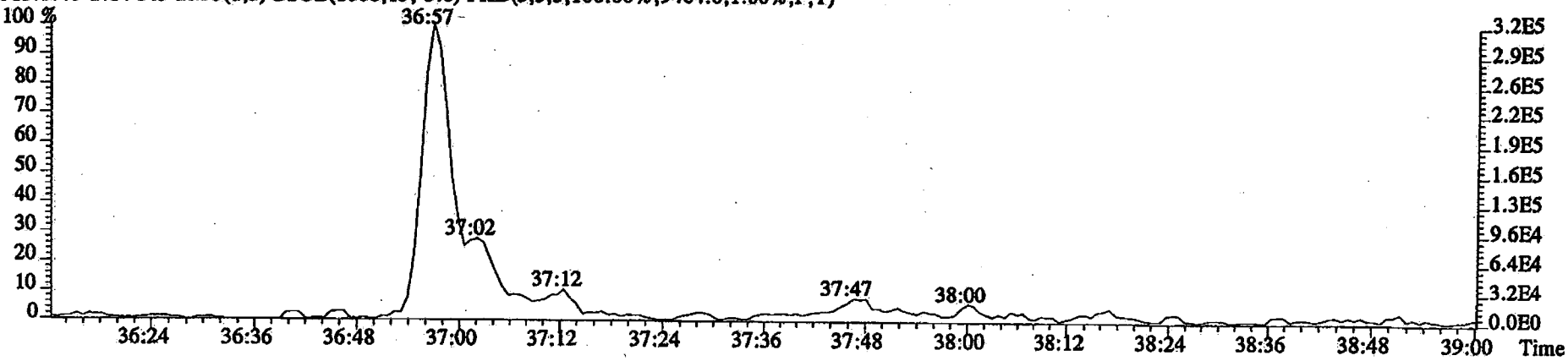
File:23MR059D5 #1-227 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13672.0,1.00%,F,T)



443.7399 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)



513.6775 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,9464.0,1.00%,F,T)



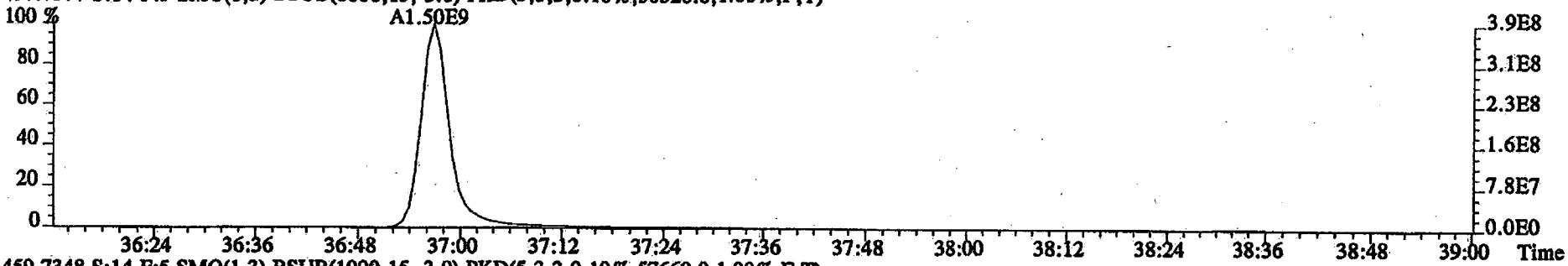
866

STL Edison

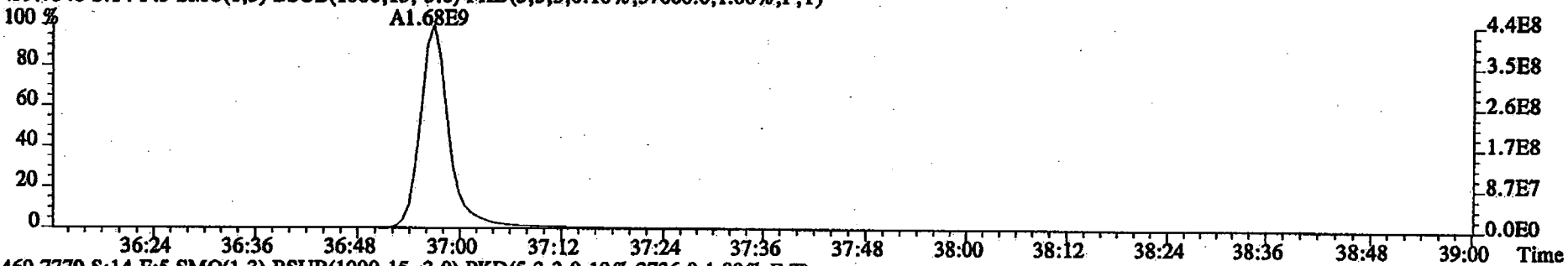
U855

File:23MR059D5 #1-227 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

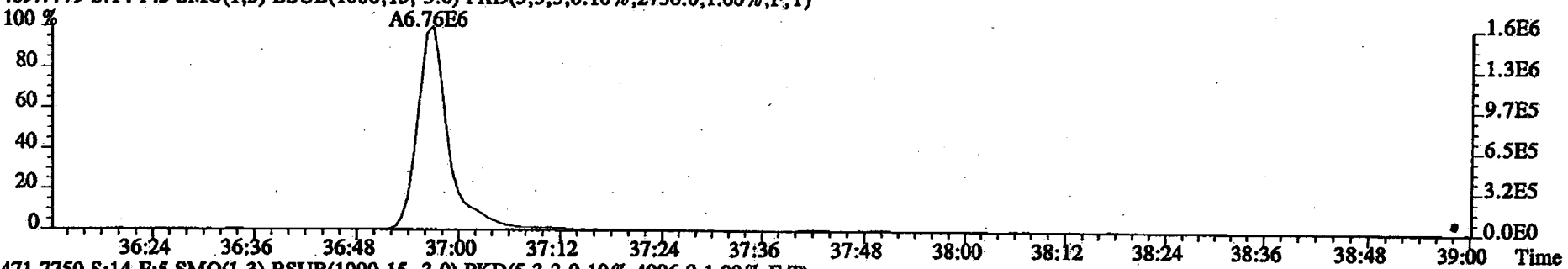
457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30520.0,1.00%,F,T)



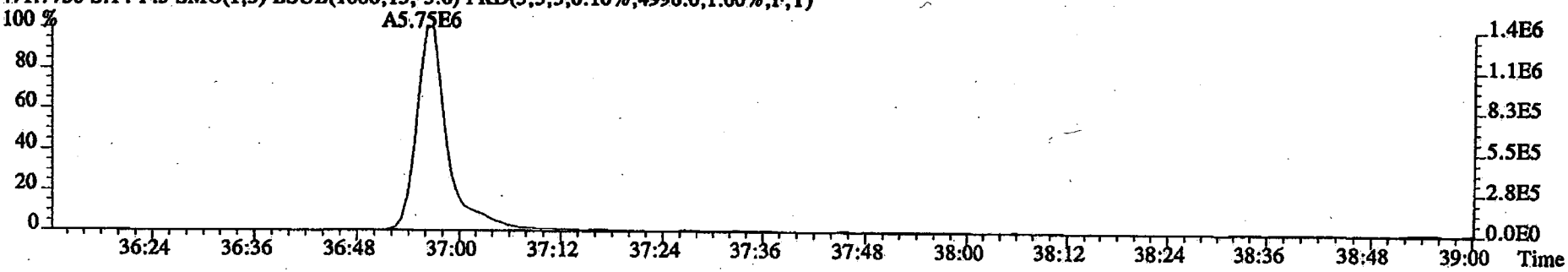
459.7348 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57660.0,1.00%,F,T)



469.7779 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2736.0,1.00%,F,T)

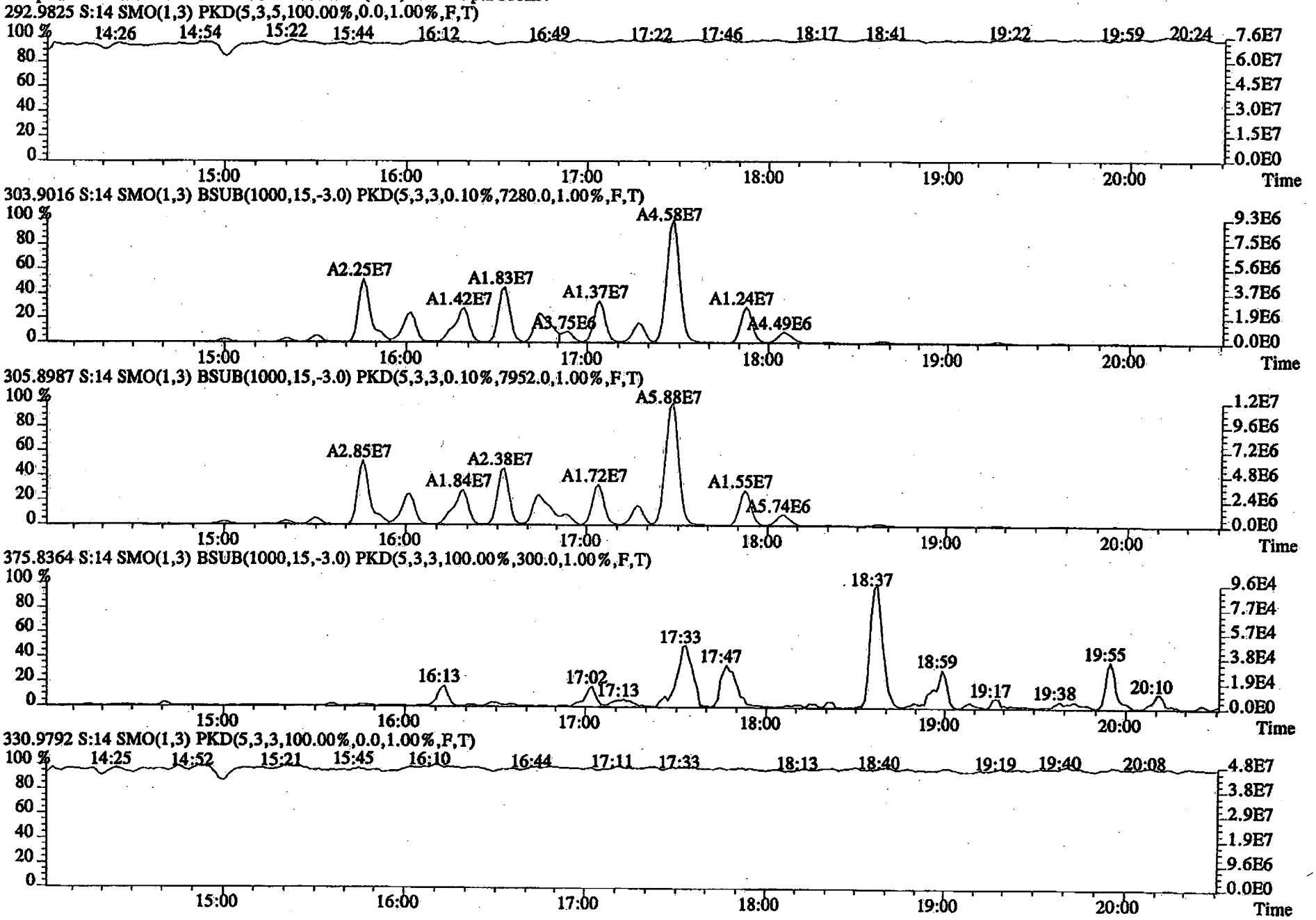


471.7750 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4996.0,1.00%,F,T)



867
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

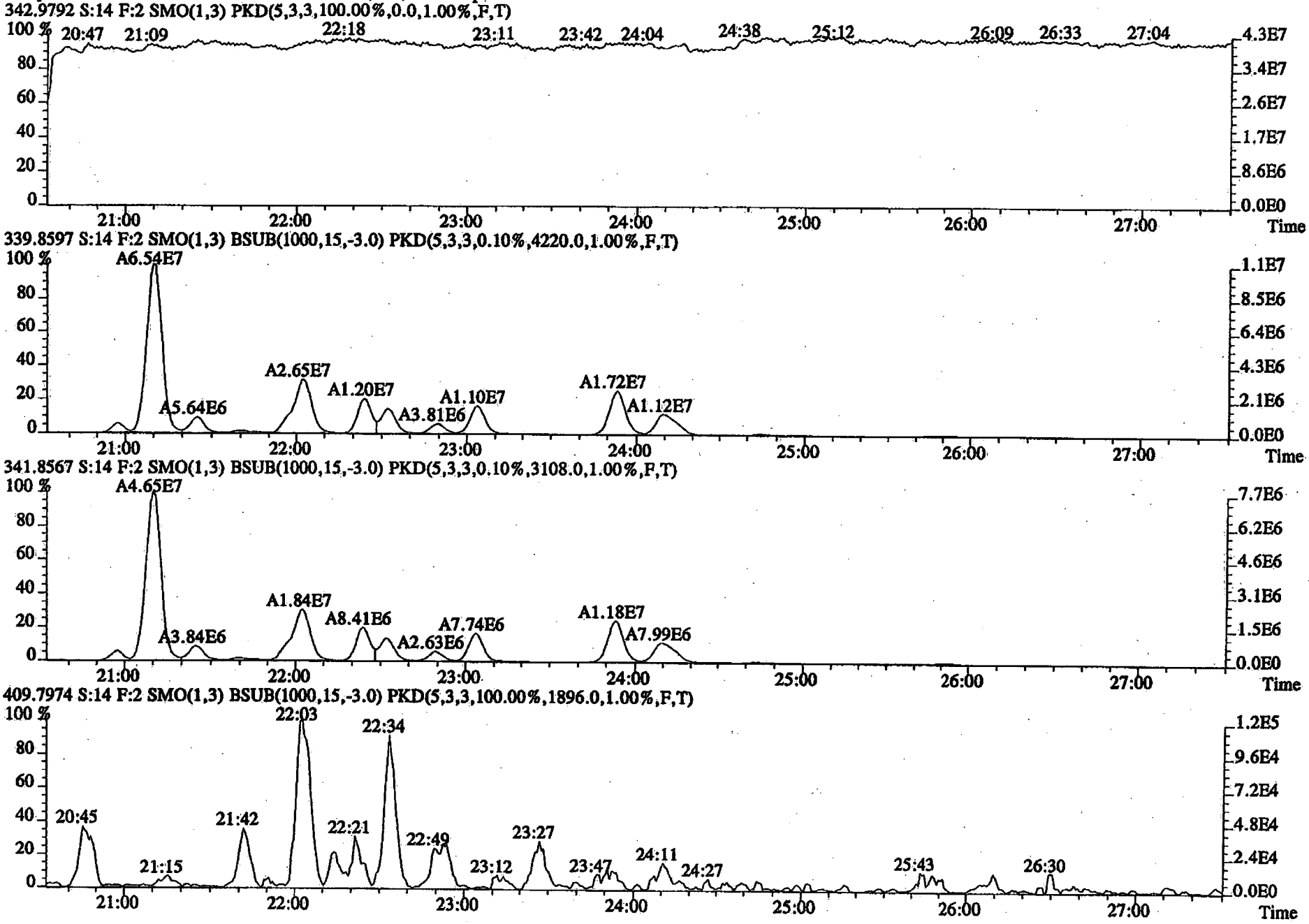


868

STL Edison

U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

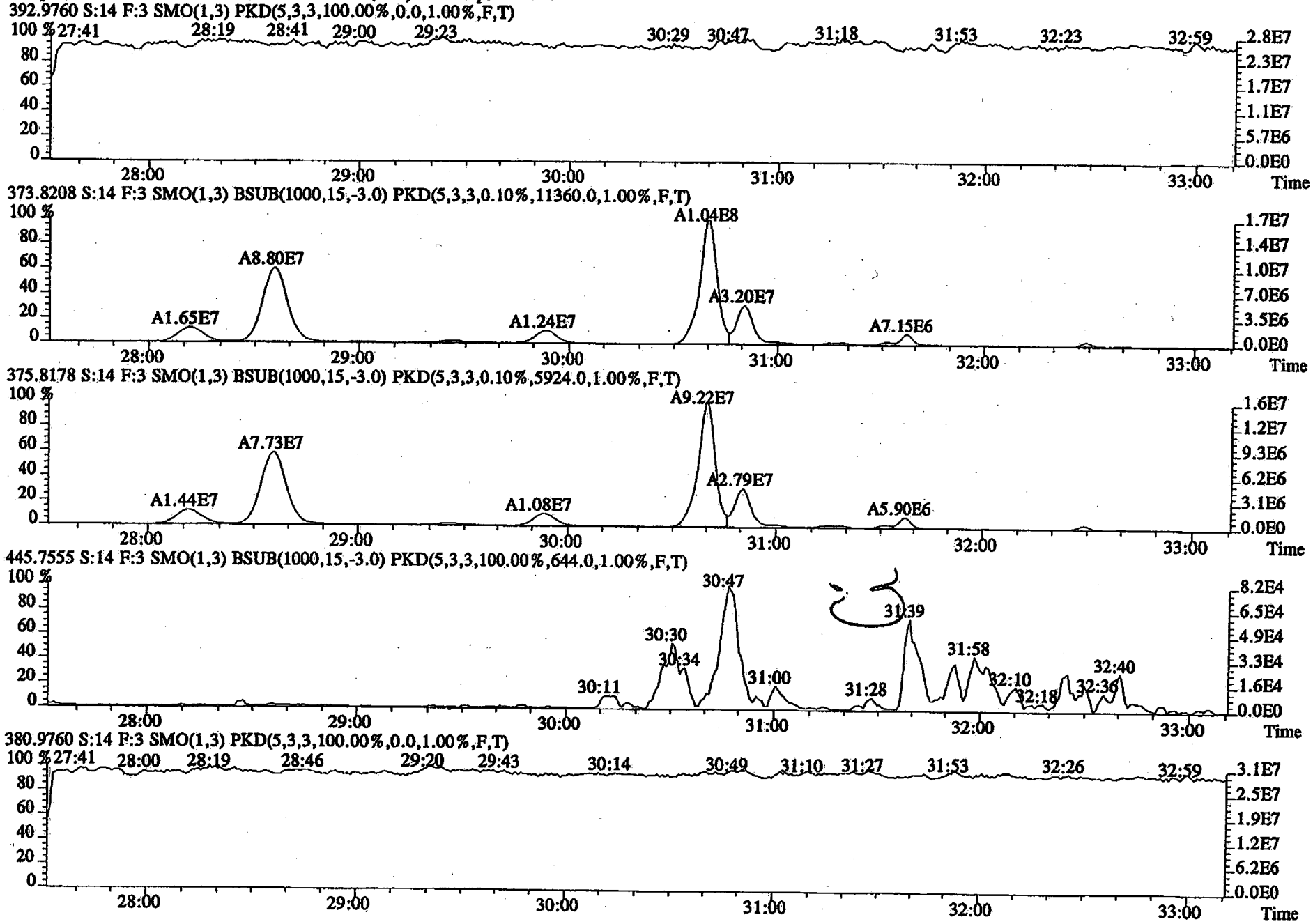


869

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN

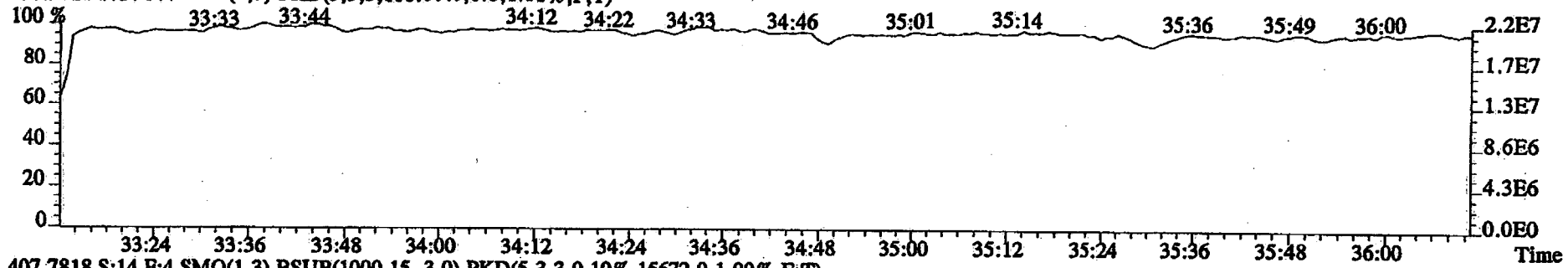


870

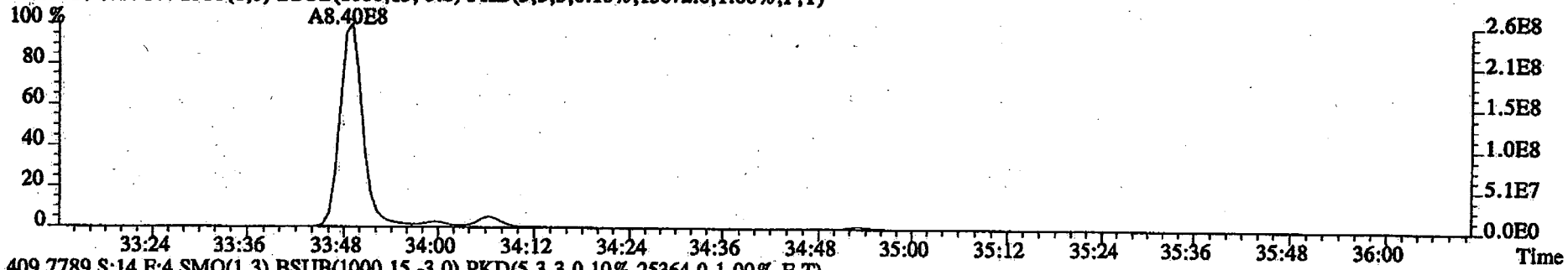
STL Edison

U855

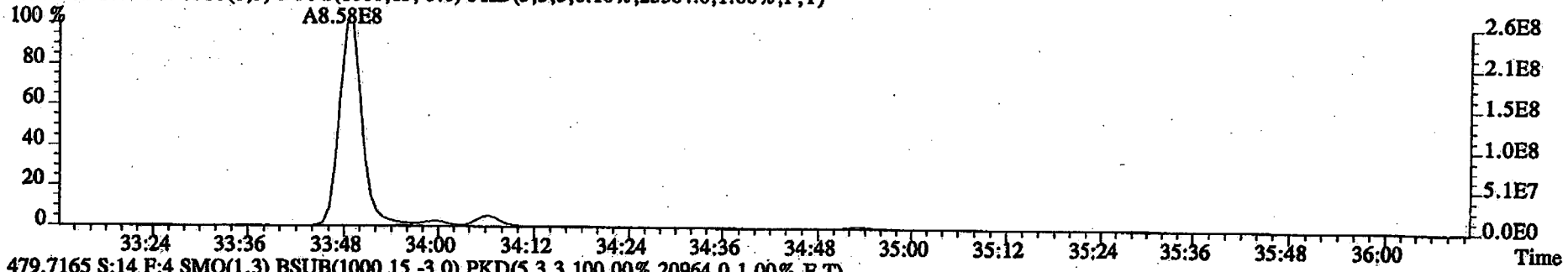
File:23MR059D5 #1-238 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN
430.9728 S:14 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



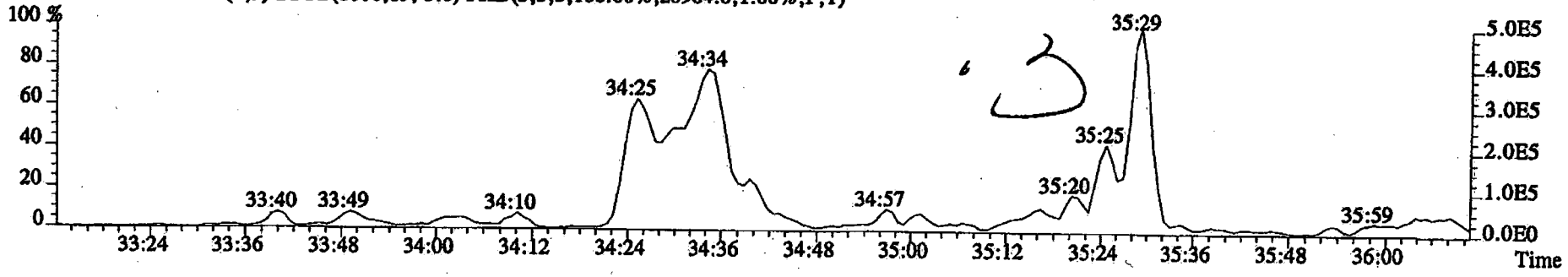
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15672.0,1.00%,F,T)



409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25364.0,1.00%,F,T)



479.7165 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,20964.0,1.00%,F,T)

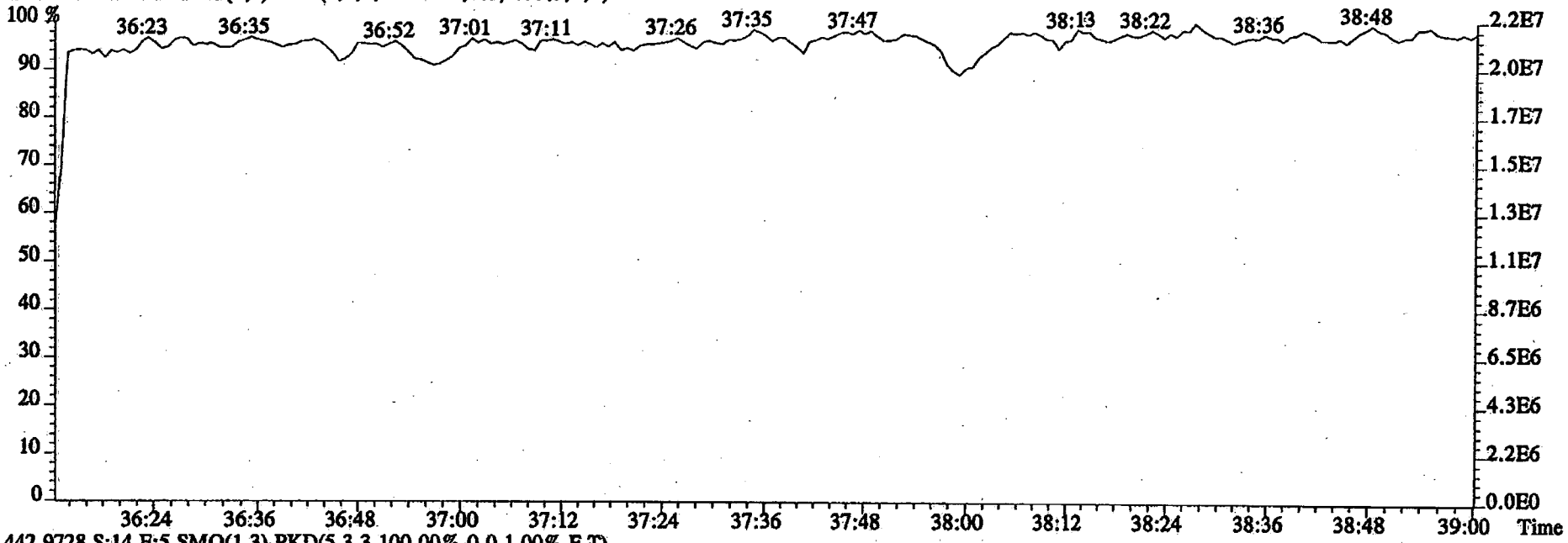


871

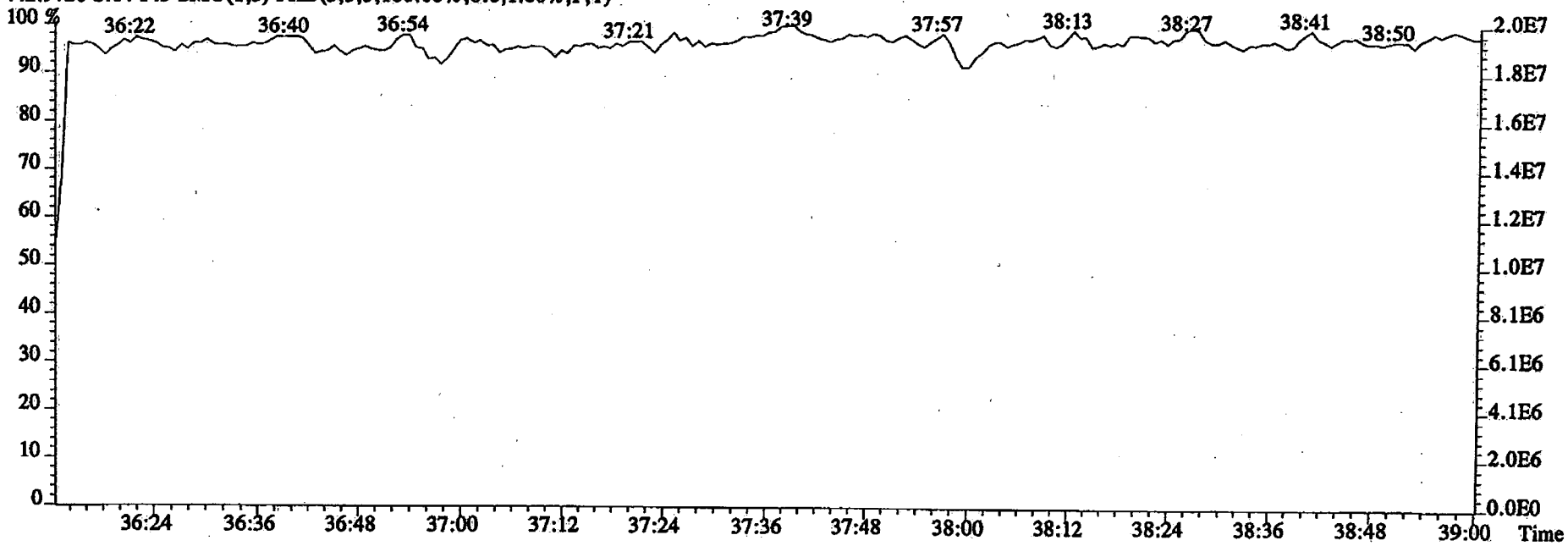
STL Edison

U855

File:23MR059D5 #1-227 Acq:24-MAR-2005 01:21:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DIOXIN
454.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



872

STL Edison

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Run text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)
Run #30 Filename: 24MR057D2 S: 37 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 08:19:08 Processed: 25-MAR-05 12:33:51
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

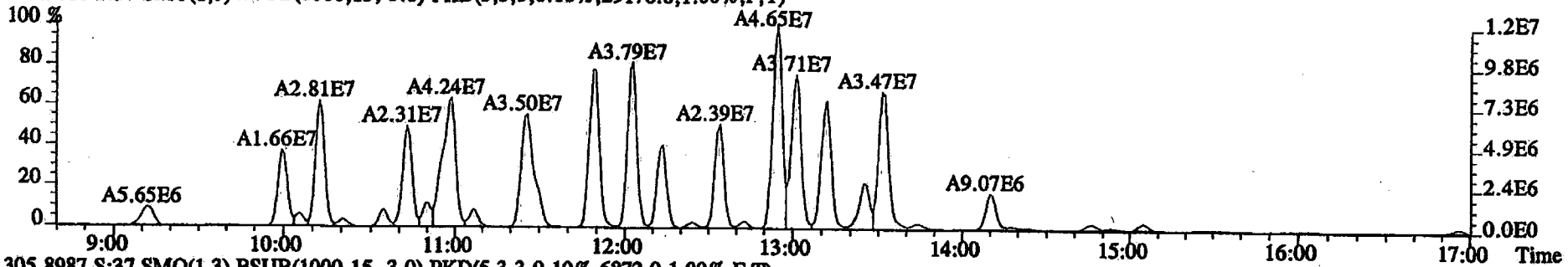
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	12012980	0.77	y	12:04	-	0.81	-	-	n
13C-2,3,7,8-TCDF	12076360	0.73	y	13:00	1.74	115.50	3.47	57.8	n
2,3,7,8-TCDF	84838900	0.78	y	13:01	0.78	1798.56 Con	8.89	-	y
13C-2,3,7,8-TCDD	7244600	0.77	y	11:51	1.10	109.68	2.40	54.8	n
2,3,7,8-TCDD	5943430	0.93	n	11:52	0.83	198.87	8.28	-	n
37Cl-2,3,7,8-TCDD	3151580	1.00	y	11:52	0.97	53.94	6.54	67.4	n

3/31/05

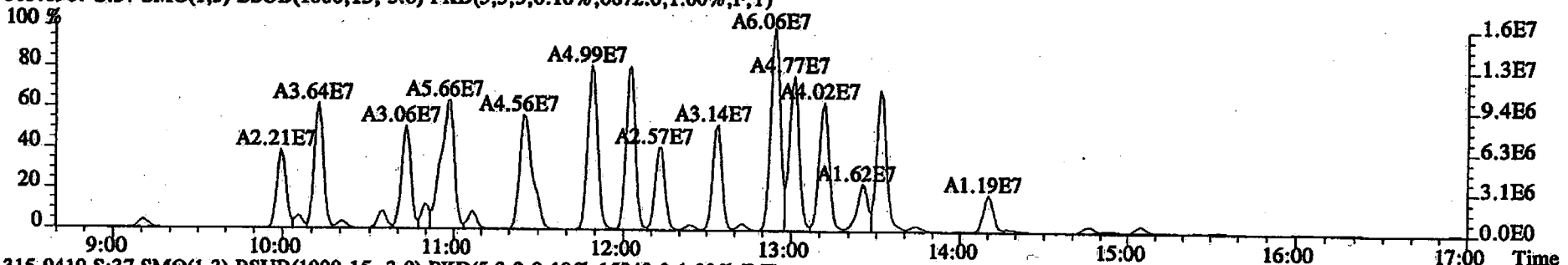
Run text: G6D3M-1-AC Sample text: G6D3M-1-AC :G5C160389-1 (10X)
Run #30 Filename: 24MR057D2 S: 37 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 08:19:08 Processed: 25-MAR-05 12:33:51
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	12012980	0.77	y	12:04	-	0.81	-	-	n
13C-2,3,7,8-TCDF	12076360	0.73	y	13:00	1.74	115.50	3.47	57.8	n
2,3,7,8-TCDF	107049400	0.77	y	12:54	0.78	2269.41	8.89	-	n
13C-2,3,7,8-TCDD	7244600	0.77	y	11:51	1.10	109.68	2.40	54.8	n
2,3,7,8-TCDD	5943430	0.93	n	11:52	0.83	198.87	8.28	-	n
37Cl-2,3,7,8-TCDD	3151580	1.00	y	11:52	0.97	53.94	6.54	67.4	n

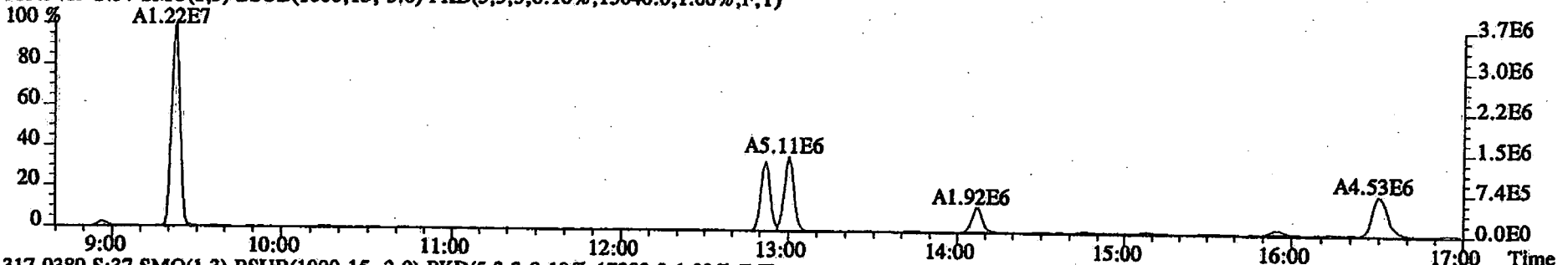
File:24MR057D2 #1-1169 Acq:25-MAR-2005 08:19:08 GC EI+ Voltage SIR 70S
Sample#37 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DB225
303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29176.0,1.00%,F,T)



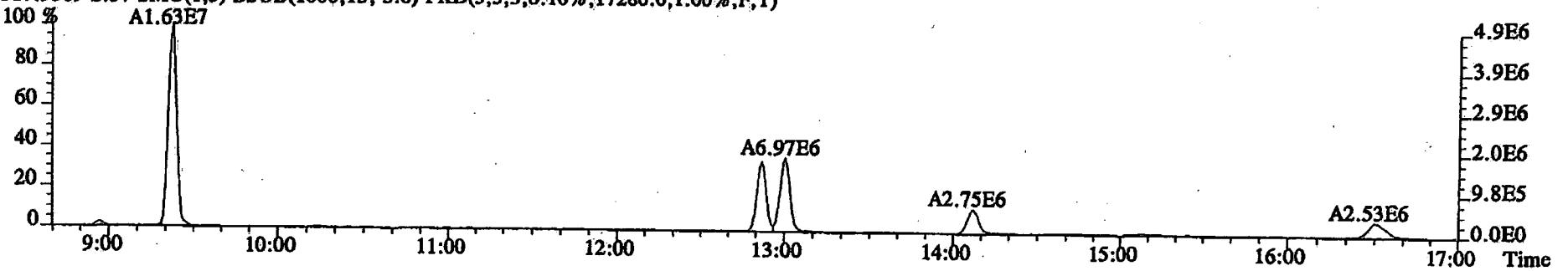
305.8987 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6872.0,1.00%,F,T)



315.9419 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15040.0,1.00%,F,T)



317.9389 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17280.0,1.00%,F,T)



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STL Edison

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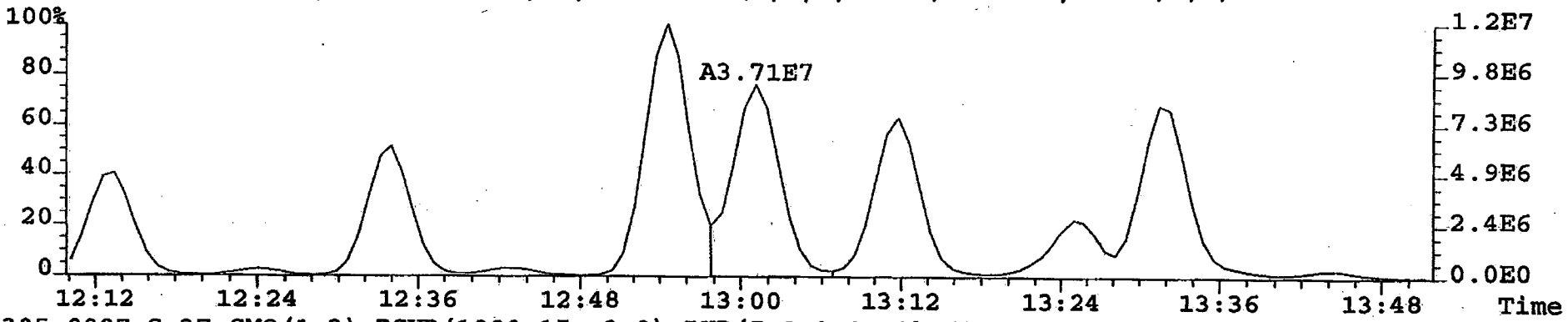
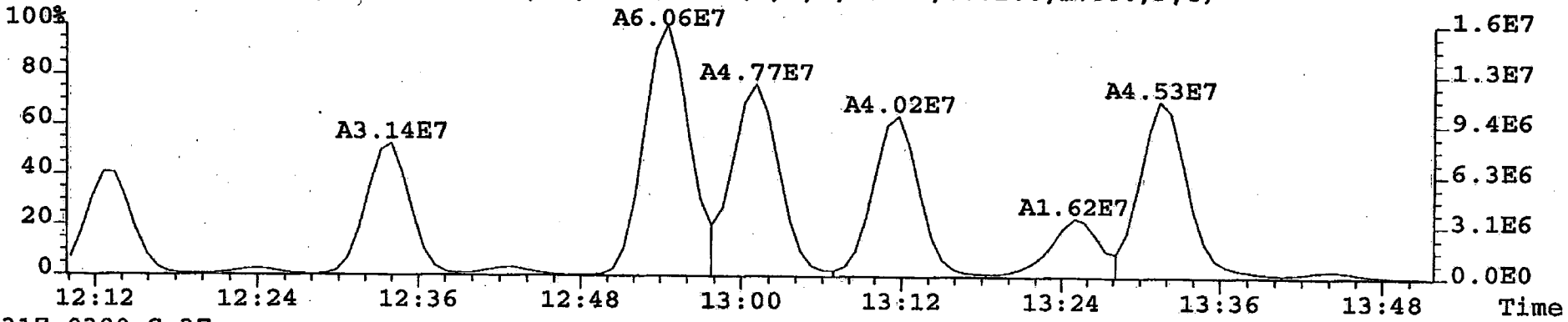
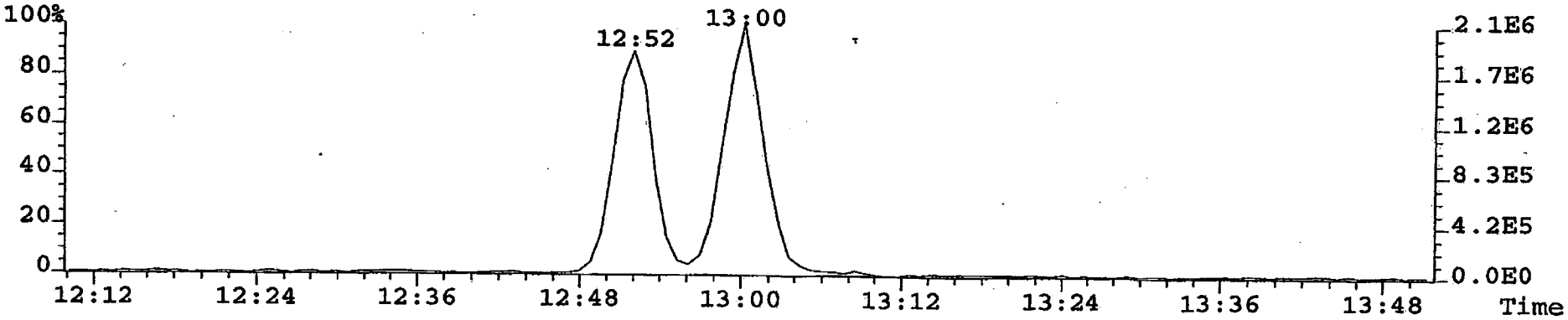
File:24MR057D2 #1-1169 Acq:25-MAR-2005 08:19:08 GC EI+ Voltage SIR 70S
Sample#37 Text:G6D3M-1-AC :G5C160389-1 Exp:DB225
303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29176.0,1.00%,F,T)



305.8987 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6872.0,1.00%,F,T)



317.9389 S:37



876

STL Edison

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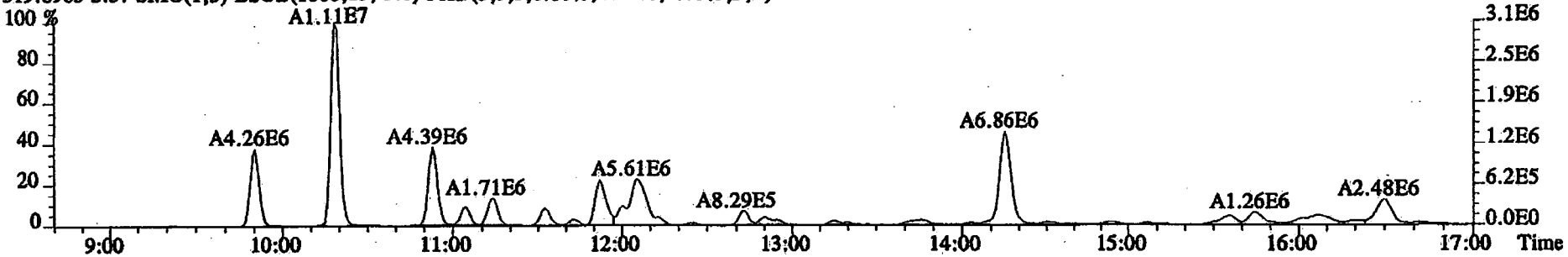
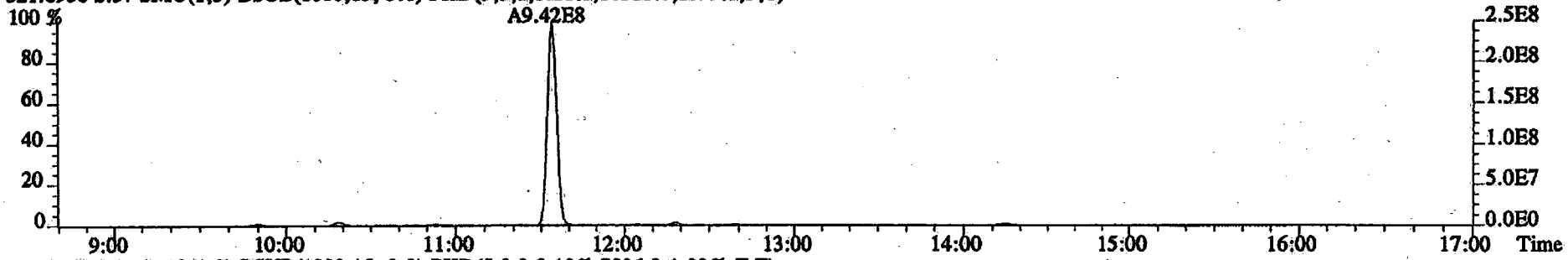
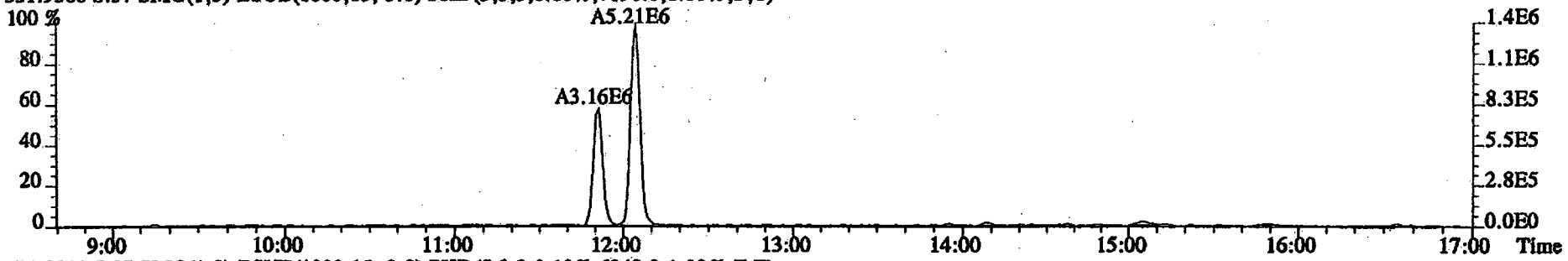
File:24MR057D2 #1-1169 Acq:25-MAR-2005 08:19:08 GC EI+ Voltage SIR 70S
Sample#37 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DB225
319.8965 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4752.0,1.00%,F,T)



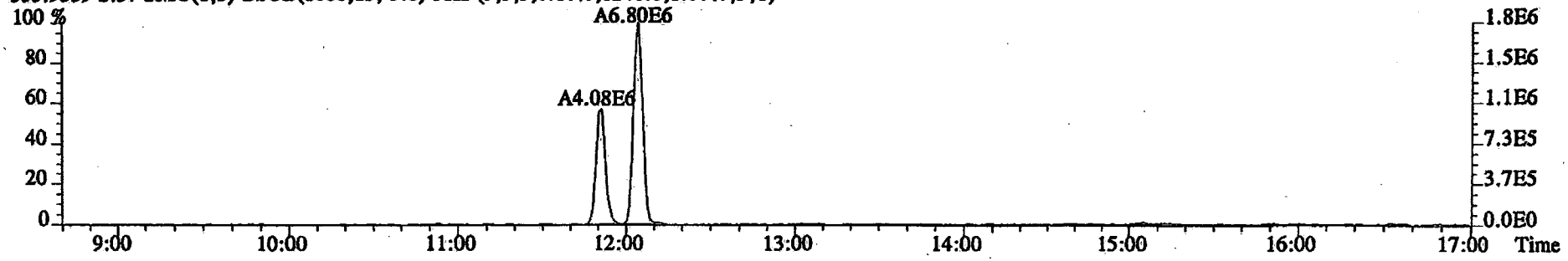
321.8936 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16316.0,1.00%,F,T)



331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7896.0,1.00%,F,T)



333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6248.0,1.00%,F,T)



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STL Edison
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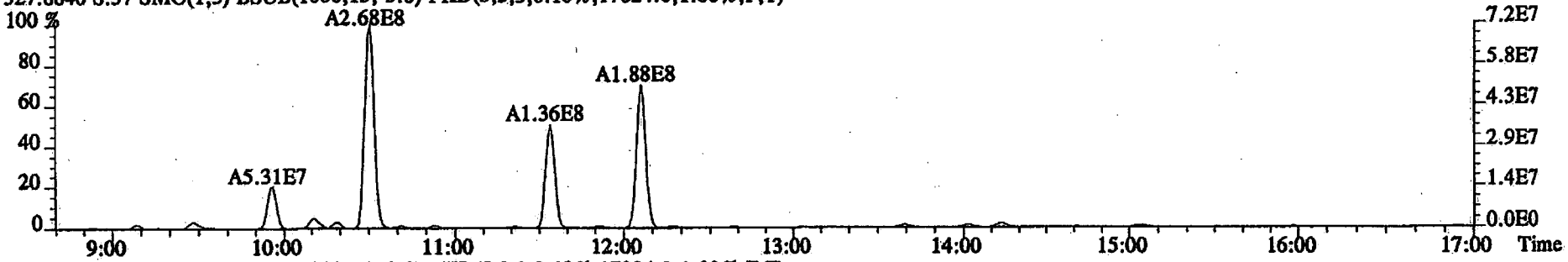
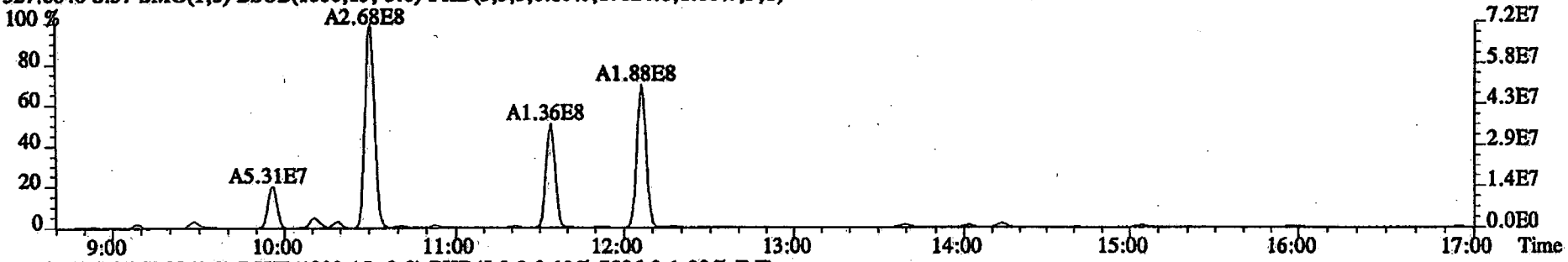
File:24MR057D2 #1-1169 Acq:25-MAR-2005 08:19:08 GC EI+ Voltage SIR 70S
Sample#37 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DB225

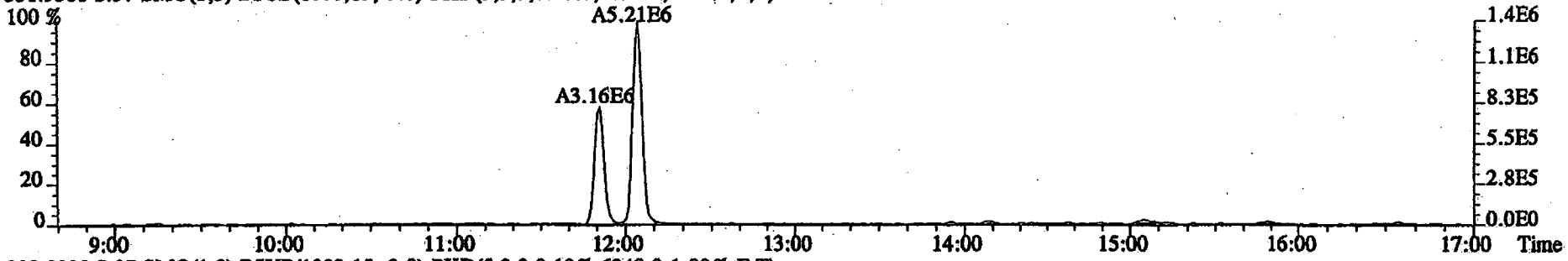
327.8840 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17024.0,1.00%,F,T)



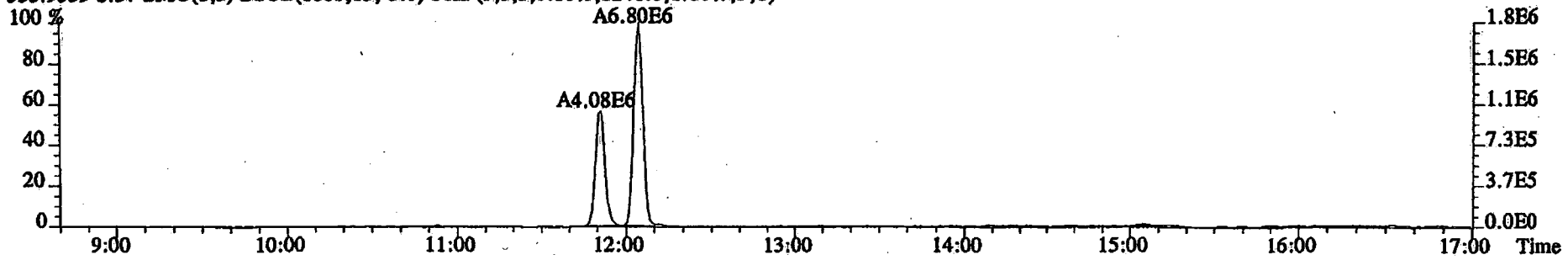
327.8840 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17024.0,1.00%,F,T)



331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7896.0,1.00%,F,T)



333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6248.0,1.00%,F,T)



878

STL Edison

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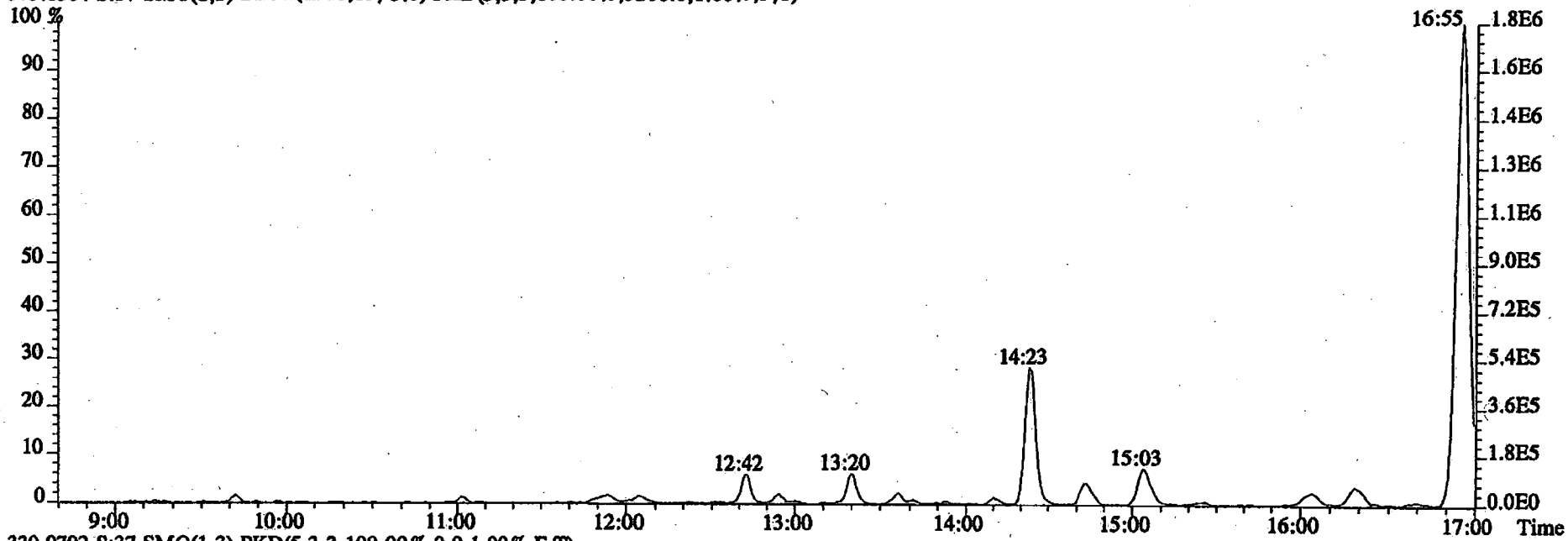
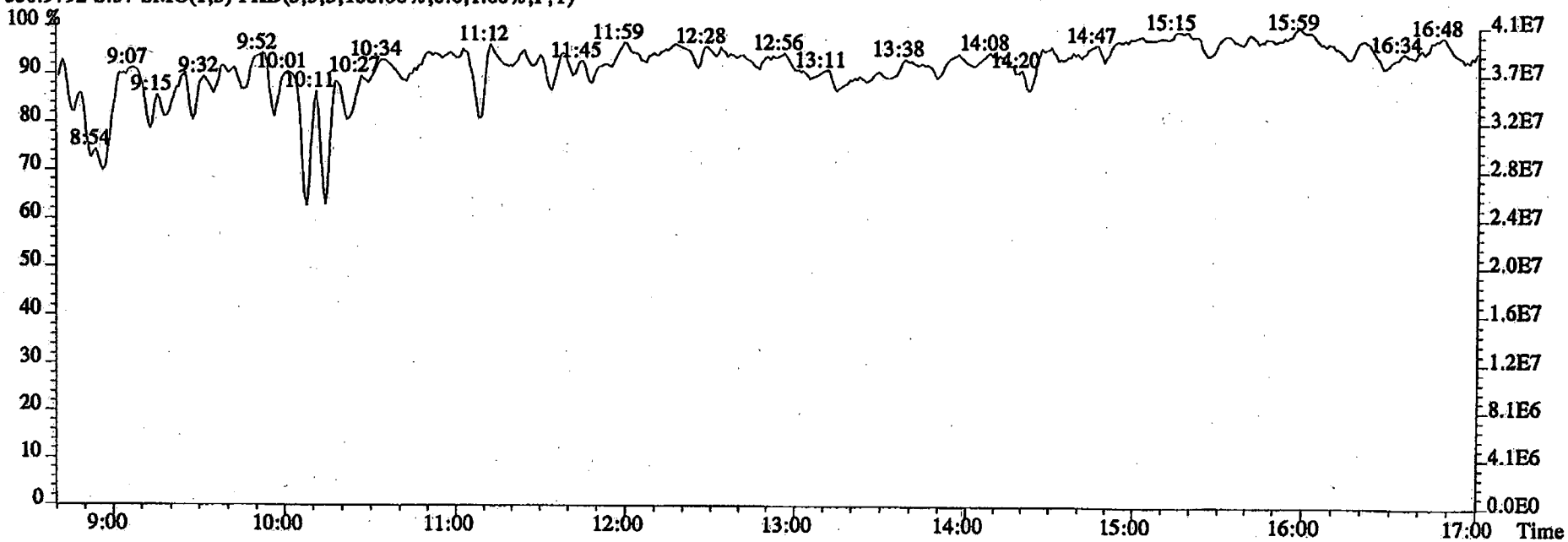
File:24MR057D2 #1-1169 Acq:25-MAR-2005 08:19:08 GC EI+ Voltage SIR 70S
Sample#37 Text:G6D3M-1-AC :G5C160389-1 (10X) Exp:DB225
375.8364 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3268.0,1.00%,F,T)



330.9792 S:37 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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STL Edison

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Run text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)
Run #18 Filename: 23MR059D5 S: 15 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 02:03:03 Processed: 24-MAR-05 15:03:43
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g TOL 5/25/50

UCL 40,000/20,000/40,000

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	7333410	0.75	y	17:57	-	1.07	-	-	n
13C-2,3,7,8-TCDF	7046630	0.87	y	17:25	1.57	122.48	3.01	61.2	n
2,3,7,8-TCDF	168099800	0.78	y	17:27	0.79	6045.16 ~~DB275~~	11.34	-	n
Total TCDF	772397180	0.83	y	14:59	0.79	27776.73	11.34	-	y
13C-2,3,7,8-TCDD	5476680	0.66	y	18:08	1.07	139.25	7.15	69.6	n
2,3,7,8-TCDD	2012178	0.80	y	18:09	0.98	75.34	4.44	-	y
Total TCDD	45602629	0.84	y	15:54	0.98	1707.55	4.44	-	y
37Cl-2,3,7,8-TCDD	1849066	1.00	y	18:09	1.02	49.68	8.22	62.1	n
13C-1,2,3,7,8-PeCDF	5065740	1.39	y	22:30	1.26	109.35	1.39	54.7	n
1,2,3,7,8-PeCDF	19837130	1.38	y	22:32	0.82	958.34	10.95	-	n
2,3,4,7,8-PeCDF	42749500	1.38	y	23:53	0.84	2003.83	10.62	-	n
Total F2 PeCDF	476778366	1.35	y	20:57	0.83	~~22669.91~~	10.78	-	y
Total F1 PeCDF	61967722	1.40	y	15:16	0.83	~~2948.50~~ 25547.01	6.54	-	n
13C-1,2,3,7,8-PeCDD	2932410	1.48	y	24:36	0.80	99.84	1.26	49.9	n
1,2,3,7,8-PeCDD	1533816	1.61	y	24:36	1.03	101.44	24.46	-	n
Total PeCDD	59386230	0.46	n	21:21	1.03	~~3027.54~~ 1534.56	24.46	-	n
13C-1,2,3,7,8,9-HxCDD	6131060	1.19	y	32:12	-	0.87	-	-	y
13C-1,2,3,4,7,8-HxCDF	3916170	0.57	y	30:38	1.04	123.40	1.98	61.7	n
1,2,3,4,7,8-HxCDF	258380000	1.17	y	30:40	1.04	12668.33	30.27	-	y
1,2,3,6,7,8-HxCDF	80319900	1.10	y	30:50	1.09	3774.16	29.01	-	n
2,3,4,6,7,8-HxCDF	17914930	1.14	y	31:37	1.00	914.27	31.50	-	n
1,2,3,7,8,9-HxCDF	526207	1.14	y	32:25	0.95	28.29 J	33.19	-	y
Total HxCDF	714165535	1.12	y	28:11	1.02	35265.19	30.91	-	y
13C-1,2,3,6,7,8-HxCDD	3037650	1.40	y	31:53	0.86	115.83	3.85	57.9	y
1,2,3,4,7,8-HxCDD	1418739	1.16	y	31:48	0.93	100.16	8.80	-	y
1,2,3,6,7,8-HxCDD	5307470	1.18	y	31:54	0.98	357.22	8.39	-	y
1,2,3,7,8,9-HxCDD	3022430	1.17	y	32:13	1.01	197.89	8.16	-	y
Total HxCDD	71481284	1.15	y	29:45	0.97	4836.15	8.44	-	y
13C-1,2,3,4,6,7,8-HpCDF	6340507	0.98	n	33:48	0.97	214.20	3.07	107.1	n
1,2,3,4,6,7,8-HpCDF	2500380000	0.98	y	33:49	1.13	69599.74 E	10.56	-	n
1,2,3,4,7,8,9-HpCDF	23922200	0.98	y	34:53	1.03	733.06	11.62	-	n
Total HpCDF	2701685500	0.98	y	33:49	1.08	75507.45	11.06	-	n
13C-1,2,3,4,6,7,8-HpCDD	3645650	1.13	y	34:34	0.98	121.80	6.96	60.9	n
1,2,3,4,6,7,8-HpCDD	120680200	1.03	y	34:35	0.86	7720.49	20.21	-	n
Total HpCDD	220087995	0.55	n	33:29	0.86	~~14080.08~~ 13996.34	20.21	-	n
13C-OCDD	9092500	1.00	y	36:56	0.92	320.76	3.49	80.2	n

OCDF	1637682000	0.86	y	37:02	1.03	69901.19	E	28.92	-	n
OCDD	974234000	0.90	y	36:56	0.91	46953.27	E	16.57	-	n

Run text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)
Run #18 Filename: 23MR059D5 S: 15 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 02:03:03 Processed: 24-MAR-05 15:03:43
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000g TOL 5.0|25|50

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	7333410	0.75	y	17:57	-	1.07	-	-	n
13C-2,3,7,8-TCDF	7046630	0.87	y	17:25	1.57	122.48	3.01	61.2	n
2,3,7,8-TCDF	168099800	0.78	y	17:27	0.79	6045.16	11.34	-	n
Total TCDF	814454047	0.83	y	14:59	0.79	29289.17	11.34	-	n
13C-2,3,7,8-TCDD	5476680	0.66	y	18:08	1.07	139.25	7.15	69.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	4.44	-	n
Total TCDD	43426384	0.84	y	15:54	0.98	1626.07	4.44	-	n
37Cl-2,3,7,8-TCDD	1849066	1.00	y	18:09	1.02	49.68	8.22	62.1	n
13C-1,2,3,7,8-PeCDF	5065740	1.39	y	22:30	1.26	109.35	1.39	54.7	n
1,2,3,7,8-PeCDF	19837120	1.38	y	22:32	0.82	958.34	10.95	-	n
2,3,4,7,8-PeCDF	42749500	1.38	y	23:53	0.84	2003.83	10.62	-	n
Total F2 PeCDF	485096877	1.35	y	20:57	0.83	~~23065.73~~	10.78	-	n
Total F1 PeCDF	61967722	1.40	y	15:16	0.83	~~2948.50~~ 25,547.06	6.54	-	n
13C-1,2,3,7,8-PeCDD	2932410	1.48	y	24:36	0.80	99.84	1.26	49.9	n
1,2,3,7,8-PeCDD	1533816	1.61	y	24:36	1.03	101.44	24.46	-	n
Total PeCDD	59386230	0.46	n	21:21	1.03	~~3927.54~~ 1534.56	24.46	-	n
13C-1,2,3,7,8,9-HxCDD	6435900	1.07	y	32:12	-	0.91	-	-	n
13C-1,2,3,4,7,8-HxCDF	3916170	0.57	y	30:38	1.04	117.56	1.99	58.8	n
1,2,3,4,7,8-HxCDF	287250000	1.16	y	30:40	1.04	14083.82	30.27	-	n
1,2,3,6,7,8-HxCDF	80320000	1.10	y	30:50	1.09	3774.16	29.01	-	n
2,3,4,6,7,8-HxCDF	17914990	1.14	y	31:37	1.00	914.27	31.50	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.95	*	33.19	-	n
Total HxCDF	716666721	1.12	y	28:11	1.02	35358.17	30.91	-	n
13C-1,2,3,6,7,8-HxCDD	2923021	1.43	n	31:53	0.86	106.18	3.88	53.1	n
1,2,3,4,7,8-HxCDD	1350488	1.30	y	31:48	0.93	99.08	9.54	-	n
1,2,3,6,7,8-HxCDD	5383800	1.14	y	31:54	0.98	376.56	9.10	-	n
1,2,3,7,8,9-HxCDD	3917782	1.51	n	32:13	1.01	266.58	8.85	-	n
Total HxCDD	75389518	0.48	n	28:36	0.97	5298.55	9.15	-	n
13C-1,2,3,4,6,7,8-HpCDF	6340507	0.93	n	33:48	0.97	204.06	3.10	102.0	n
1,2,3,4,6,7,8-HpCDF	2500380000	0.98	y	33:49	1.13	69599.74	10.56	-	n
1,2,3,4,7,8,9-HpCDF	23922200	0.98	y	34:53	1.03	733.06	11.62	-	n
Total HpCDF	2701685500	0.98	y	33:49	1.08	75507.45	11.06	-	n
13C-1,2,3,4,6,7,8-HpCDD	3645650	1.13	y	34:34	0.98	116.03	7.02	58.0	n
1,2,3,4,6,7,8-HpCDD	120680200	1.03	y	34:35	0.86	7720.49	20.21	-	n
Total HpCDD	220087995	0.55	n	33:29	0.86	~~14080.08~~ 13996.39	20.21	-	n
13C-OCDD	9092500	1.00	y	36:56	0.92	305.57	3.52	76.4	n

OCDF	1637682000	0.86	y	37:02	1.03	69901.19	28.92	-	n
OCDD	974234000	0.90	y	36:56	0.91	46953.27	16.57	-	n

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:23
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 292891.69 of which 60451.58 named and 232440.11 unnamed
Conc: 29289.17 of which 6045.16 named and 23244.01 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:59	0.83	y	218.68	2761150	36.8	y	n
						3319710	251.2	y	n
	2	15:19	0.77	y	361.69	4371790	57.3	y	n
						5685890	408.7	y	n
	3	15:29	0.75	y	390.38	4647590	63.1	y	n
						6207920	456.5	y	n
	4	15:44	0.78	y	5345.06	64955100	676.7	y	n
						83676900	4835.6	y	n
	5	16:00	0.78	y	3079.94	37521800	396.0	y	n
						48123200	2790.7	y	n
	6	16:17	0.77	y	2883.86	34979300	328.3	y	n
						45213200	2323.2	y	n
	7	16:31	0.78	y	2787.62	33998600	414.2	y	n
						43517800	2920.9	y	n
	8	16:43	0.78	y	2051.35	25053500	189.6	y	n
						31989200	1343.6	y	n
	9	16:52	0.82	y	533.10	6665630	82.8	y	n
						8158540	557.4	y	n
	10	17:03	0.78	y	1562.59	19006500	227.4	y	n
						24445100	1592.7	y	n
	11	17:16	0.79	y	1122.17	13797900	157.2	y	n
						17406600	1103.4	y	n
2,3,7,8-TCDF	12	17:27	0.78	y	6045.16	73568800	787.6	y	n
						94531000	5602.0	y	n
	13	17:52	0.78	y	1415.48	17209600	196.5	y	n
						22151200	1385.7	y	n
	14	18:04	0.78	y	515.58	6264030	60.7	y	n
						8072760	424.9	y	n
	15	18:20	0.71	y	46.00	531163	4.4	y	n
						747861	28.0	y	n

See pg 1A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? yes #Hom:16
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 277767.31 of which 60451.58 named and 217315.73 unnamed
Conc: 27776.73 of which 6045.16 named and 21731.57 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:59	0.83	y	218.68	2761150	36.8	y	n
						3319710	251.2	y	n
	2	15:19	0.77	y	361.69	4371790	57.3	y	n
						5685890	408.7	y	n
	3	15:29	0.75	y	390.38	4647590	63.1	y	n
						6207920	456.5	y	n
	4	15:44	0.78	y	5345.06	64955100	676.7	y	n
						83676900	4835.6	y	n
	5	16:00	0.78	y	3079.94	37521800	396.0	y	n
						48123200	2790.7	y	n
	6	16:17	0.78	y	2265.71	27525300	327.6	y	y
						35478100	2324.6	y	y
	7	16:31	0.78	y	2787.62	33998600	414.2	y	n
						43517800	2920.9	y	n
	8	16:43	0.78	y	2051.35	25053500	189.6	y	n
						31989200	1343.6	y	n
	9	16:52	0.82	y	533.10	6665630	82.8	y	n
						8158550	557.4	y	n
	10	17:03	0.77	y	1560.16	18938700	227.2	y	y
						24445100	1592.7	y	n
	11	17:16	0.79	y	1122.17	13797900	157.2	y	n
						17406600	1103.4	y	n
2,3,7,8-TCDF	12	17:27	0.78	y	6045.16	73568800	787.6	y	n
						94531000	5602.0	y	n
	13	17:52	0.78	y	1415.48	17209600	196.5	y	n
						22151200	1385.7	y	n
	14	18:04	0.78	y	515.58	6264030	60.7	y	n
						8072780	424.9	y	n
	15	18:20	0.71	y	46.00	531163	4.4	y	n
						747879	28.0	y	y

pg 1A

16	19:17	0.63	n	38.65	A 467524	4.9	y n
					745724	42.5	y n

16	18:37	0.77	y	617.77	DP2	7451310	84.1	y	n
						9727140	602.2	y	n
17	18:58	0.80	y	122.86	DP2	1515990	17.2	y	n
						1900440	113.8	y	n
18	19:17	0.63	n	38.65	JA	467522	4.9	y	n
						745721	42.5	y	n
19	19:26	0.42	n	7.95	DW	96191	1.2	n	n
						227447	11.6	y	n
20	19:37	0.89	n	44.05		615831	5.0	y	n
						691992	30.8	y	n
21	19:45	0.71	y	28.72		332129	3.6	y	n
						466453	26.1	y	n
22	19:55	0.89	n	51.62		722693	7.3	y	n
						810955	46.7	y	n
23	20:10	0.76	y	18.39		226427	2.5	n	n
						298800	18.6	y	n

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:7
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 16260.65 of which * named and 16260.65 unnamed
Conc: 1626.07 of which * named and 1626.07 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:54	0.84	y	486.33	5947230	677.4	y	n
						7041000	328.1	y	n
	2	16:11	0.85	y	423.45	5198040	573.4	y	n
						6110680	278.8	y	n
	3	16:26	0.00	n	95.78	1112750	104.3	y	n
						1410150000	62242.7	y	n
	4	17:01	0.72	y	306.95	3436260	313.1	y	n
						4761220	174.6	y	n
	5	17:37	0.26	n	62.63	727674	66.9	y	n
						2819030	104.9	y	n
	6	19:33	0.27	n	52.37	608417	48.7	y	n
						2258470	83.7	y	n
	7	20:30	0.85	y	198.56	2437410	514.7	y	n
						2865390	251.5	y	n

See pg 2A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? yes #Hom:10
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 17075.53 of which 753.44 named and 16322.09 unnamed
Conc: 1707.55 of which 75.34 named and 1632.21 unnamed

Name	#	R.T.	Ratio		Conc.		Area	S/N	>?	Mod?
	1	15:54	0.84	y	486.33		5947230	677.4	y	n
							7041010	328.1	y	n
	2	16:11	0.85	y	423.45		5198040	573.4	y	n
							6110680	278.8	y	n
	3	17:01	0.61	n	295.77	JA	3436260	313.1	y	n
							5661870	187.0	y	y
	4	17:15	0.68	y	122.27		1327170	70.5	y	n
							1938290	39.2	y	y
	5	17:37	0.84	y	59.50		727674	66.9	y	n
							861243	61.6	y	y
	6	18:02	0.75	y	180.28		2061790	128.9	y	n
							2752870	65.2	y	y
2,3,7,8-TCDD	7	18:09	0.80	y	75.34		891268	83.2	y	n
							1120910	44.1	y	y
	8	18:19	0.56	n	19.58	JA	227538	20.1	y	n
							402856	14.0	y	y
	9	18:30	0.82	y	38.09		457183	42.2	y	n
							560065	20.9	y	y
	10	19:17	0.66	y	6.94		73436	6.2	y	n
							111792	3.9	y	y

P7

2A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 230657.18 of which 29621.66 named and 201035.51 unnamed
Conc: 23065.72 of which 2962.17 named and 20103.55 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:57	1.35	y	466.71	5636600	249.7	y	n
						4172050	95.2	y	n
	2	21:09	1.43	y	9362.80	115956000	4254.2	y	n
						80819200	1557.6	y	n
	3	21:25	1.37	y	771.88	9375210	361.3	y	n
						6847160	132.6	y	n
	4	21:40	1.41	y	185.95	2283200	54.8	y	n
						1624760	20.4	y	n
	5	22:02	1.44	y	4001.66	49612400	1548.5	y	n
						34489200	550.8	y	n
	6	22:23	1.38	y	1973.54	24063700	931.8	y	n
						17413500	347.5	y	n
1,2,3,7,8-PeCDF	7	22:32	1.38	y	958.34 H	11504700	429.3	y	n
						8332420	163.3	y	n
	8	22:49	1.42	y	509.35	6283220	209.6	y	n
						4421610	75.7	y	n
	9	23:03	1.37	y	1256.12	15247800	565.8	y	n
						11151700	205.4	y	n
2,3,4,7,8-PeCDF	10	23:53	1.38	y	2003.83	24767600	850.1	y	n
						17981900	315.0	y	n
	11	24:09	1.46	y	1339.40	16695600	423.9	y	n
						11454200	154.3	y	n
	12	24:45	1.38	y	44.80	545369	18.2	y	n
						396258	7.9	y	n
	13	25:46	1.48	y	191.35	2397550	69.0	y	n
						1623970	24.2	y	n

See pg 3A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:6
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? yes #Hom:11
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 226699.13 of which 29621.67 named and 197077.46 unnamed
Conc: 22669.91 of which 2962.17 named and 19707.75 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:57	1.35	y	466.71	5636600	249.7	y	n
						4172060	95.2	y	n
	2	21:09	1.43	y	9362.80	115956000	4254.2	y	n
						80819200	1557.6	y	n
	3	21:25	1.37	y	771.88	9375230	361.3	y	n
						6847170	132.7	y	n
	4	22:02	1.44	y	4001.66	49612400	1548.5	y	n
						34489200	550.8	y	n
	5	22:23	1.38	y	1973.55	24063800	931.8	y	n
						17413600	347.5	y	n
1,2,3,7,8-PeCDF	6	22:32	1.38	y	958.34	11504700	429.3	y	n
						8332430	163.3	y	n
	7	22:49	1.42	y	509.35	6283230	209.6	y	n
						4421620	75.7	y	n
	8	23:03	1.42	y	1237.60	15247900	565.8	y	n
						10762300	205.6	y	y
2,3,4,7,8-PeCDF	9	23:53	1.38	y	2003.83	24767600	850.1	y	n
						17981900	315.0	y	n
	10	24:09	1.46	y	1339.40	16695600	423.9	y	n
						11454200	154.3	y	n
	11	24:45	1.38	y	44.80	545369	18.2	y	n
						396257	7.9	y	n

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Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	29485.00 of which	* named and	29485.00	unnamed	
Conc:	2948.50 of which	* named and	2948.50	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:16	1.40	y	6.80	83280	6.0	y	n
						59591	4.1	y	n
	2	16:28	1.92	n	16.55	261465	15.3	y	n
						136403	8.5	y	n
	3	18:36	1.14	n	31.87	407094	20.2	y	n
						358460	14.6	y	n
	4	19:03	0.56	n	9.56	122163	3.9	y	n
						219816	11.0	y	n
	5	19:35	1.56	y	2877.10	36827000	1808.4	y	n
						23640100	1245.0	y	n
	6	19:54	1.39	y	6.62	80981	3.0	y	n
						58229	2.7	n	n

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:15
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 39275.43 of which 1014.40 named and 38261.03 unnamed
Conc: 3927.54 of which 101.44 named and 3826.10 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:21	0.46	n	~~894.43~~	8220630	186.8	y	n
						18007300	279.1	y	n
	2	21:43	0.01	n	5.07	46611	1.7	n	n
						4280390	78.4	y	n
	3	22:07	1.59	y	54.20	503562	13.8	y	n
						315897	5.4	y	n
	4	22:33	1.45	y	562.99	5037570	135.9	y	n
						3475130	55.6	y	n
	5	22:48	1.41	y	140.52	1242480	28.7	y	n
						882299	12.1	y	n
	6	23:07	1.45	y	341.52	3058500	80.8	y	n
						2105500	33.0	y	n
	7	23:19	0.57	n	~~1423.77~~	13085700	332.9	y	n
						22811200	343.2	y	n
	8	23:36	1.18	n	110.32	1013960	18.1	y	n
						858091	9.6	y	n
	9	23:59	1.50	y	160.16	1452940	37.9	y	n
						968686	14.2	y	n
	10	24:12	1.76	y	32.23	310409	8.6	y	n
						176868	2.9	n	n
	11	24:22	0.55	n	~~32.62~~	299765	7.4	y	n
						541051	8.7	y	n
1,2,3,7,8-PeCDD	12	24:36	1.61	y	101.44	946655	23.3	y	n
						587161	8.2	y	n
	13	24:55	1.68	y	31.18	295237	8.3	y	n
						176199	2.9	n	n
	14	25:38	2.00	n	~~29.81~~	353855	9.4	y	n
						176752	2.6	n	n
	15	27:10	1.10	n	~~7.28~~	66922	1.7	n	n
						61024	1.3	n	n

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:14
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 353581.69 of which 187722.55 named and 165859.14 unnamed
Conc: 35358.17 of which 18772.26 named and 16585.91 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:11	1.12	y	2368.55	25008400	129.7	y	n
						22286000	201.9	y	n
	2	28:36	1.13	y	11738.14	124516000	606.8	y	n
						109867000	956.5	y	n
	3	29:01	1.08	y	185.19	1916650	8.5	y	n
						1781140	13.5	y	n
	4	29:26	1.18	y	245.83	2653270	12.4	y	n
						2255470	20.2	y	n
	5	29:53	1.14	y	1098.97	11671100	68.4	y	n
						10272700	107.1	y	n
1,2,3,4,7,8-HxCDF	6	30:40	1.16	y	14083.82	154109000	1070.2	y	n
						133141000	1661.3	y	n
1,2,3,6,7,8-HxCDF	7	30:50	1.10	y	3774.16	42155800	307.6	y	n
						38164200	474.3	y	n
	8	31:17	1.22	y	274.16	3003740	13.8	y	n
						2470610	22.1	y	n
	9	31:31	1.16	y	167.43	1796060	19.0	y	n
						1547060	28.4	y	n
2,3,4,6,7,8-HxCDF	10	31:37	1.14	y	914.27	9531110	89.5	y	n
						8383880	140.0	y	n
	11	31:48	1.10	y	63.46	663743	7.5	y	n
						603335	12.3	y	n
	12	32:29	1.13	y	278.77	2958250	29.0	y	n
						2608120	46.4	y	n
	13	32:40	1.19	y	150.33	1631000	21.5	y	n
						1370680	32.9	y	n
	14	33:04	1.43	n	15.09	192006	2.4	n	n
						134555	3.7	y	n

See QA

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 352651.95 of which 173850.49 named and 178801.45 unnamed
Conc: 35265.19 of which 17385.05 named and 17880.15 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:11	1.12	y	2368.55	25008400	129.7	y	n
						22286000	201.9	y	n
	2	28:36	1.13	y	11738.14	124516000	606.8	y	n
						109867000	956.5	y	n
	3	29:01	1.08	y	185.19	1916630	8.5	y	n
						1781180	13.5	y	y
	4	29:26	1.18	y	245.83	2653270	12.4	y	n
						2255470	20.2	y	n
	5	29:53	1.14	y	1098.97	11671100	68.4	y	n
						10272700	107.1	y	n
	6	30:36	1.08	y	1477.55	15335800	327.7	y	y
						14167400	542.2	y	y
1,2,3,4,7,8-HxCDF	7	30:40	1.17	y	12668.33	139080000	1071.0	y	y
						119300000	1662.5	y	y
1,2,3,6,7,8-HxCDF	8	30:50	1.10	y	3774.16	42155800	307.6	y	n
						38164100	474.3	y	n
	9	31:17	1.22	y	274.16	3003720	13.8	y	n
						2470580	22.1	y	n
	10	31:31	1.16	y	167.43	1796050	19.0	y	n
						1547120	28.4	y	y
2,3,4,6,7,8-HxCDF	11	31:37	1.14	y	914.27	9531100	89.5	y	n
						8383830	140.0	y	n
	12	31:48	1.10	y	63.45	663736	7.5	y	n
						603302	12.3	y	y
1,2,3,7,8,9-HxCDF	13	32:25	1.14	y	28.29	280333	3.7	y	y
						245874	6.0	y	y
	14	32:29	1.19	y	260.87	2829280	29.4	y	y
						2379760	46.5	y	y

pg 6A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:9
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 52985.45 of which 7422.15 named and 45563.30 unnamed
Conc: 5298.55 of which 742.22 named and 4556.33 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:36	0.48	n	150.38	1182810	33.2	y	n
						2486200	56.2	y	n
	2	29:28	0.47	n	130.90	1029530	28.9	y	n
						2196710	49.2	y	n
	3	29:45	1.15	y	650.19	4931490	150.3	y	n
						4306610	101.4	y	n
	4	30:42	1.16	y	2132.04	16297100	682.5	y	n
						13995500	475.5	y	n
	5	31:05	1.17	y	1396.27	10675600	470.4	y	n
						9162930	322.3	y	n
	6	31:16	1.32	y	96.54	780074	32.1	y	n
						591658	19.8	y	n
1,2,3,4,7,8-HxCDD	7	31:48	1.30	y	99.08	762069	41.2	y	n
						588419	30.5	y	n
1,2,3,6,7,8-HxCDD	8	31:54	1.14	y	376.56	2870250	157.9	y	n
						2513550	113.5	y	n
1,2,3,7,8,9-HxCDD	9	32:13	1.51	n	266.58	2640900	87.7	y	n
						1749010	63.4	y	n

See pg 7A

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 755074.54 of which 703328.00 named and 51746.55 unnamed
Conc: 75507.45 of which 70332.80 named and 5174.65 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	33:49	0.98	y	69599.74	1234420000	21171.7	y	n
						1265960000	19147.1	y	n
	2	33:59	0.99	y	2280.30	38868000	541.6	y	n

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:8
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 48361.54 of which 6552.65 named and 41808.89 unnamed
Conc: 4836.15 of which 655.26 named and 4180.89 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:45	1.15	y	625.66	4931490	150.3	y	n
						4306610	101.4	y	n
	2	30:42	1.16	y	2051.59	16297100	682.5	y	n
						13995500	475.5	y	n
	3	31:05	1.17	y	1343.58	10675600	470.4	y	n
						9162940	322.3	y	n
	4	31:16	1.32	y	92.90	780076	32.1	y	n
						591665	19.8	y	n
1,2,3,4,7,8-HxCDD	5	31:48	1.16	y	100.16	762071	41.2	y	n
						656668	30.4	y	y
1,2,3,6,7,8-HxCDD	6	31:54	1.18	y	357.22	2870250	157.9	y	n
						2437220	113.5	y	y
	7	32:10	1.09	y	67.16	517042	57.0	y	y
						474622	40.7	y	y
1,2,3,7,8,9-HxCDD	8	32:13	1.17	y	197.89	1631600	87.8	y	y
						1390830	63.7	y	y

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						39298900	471.4	y	n
	3	34:06	0.98	y	2894.36	49033400	708.7	y	n
						50183000	622.0	y	n
1,2,3,4,7,8,9-HpCDF	4	34:53	0.98	y	733.06	11853600	188.6	y	n
						12068600	167.1	y	n

Totals Results STL Sacramento

Run Text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 18 File: 23MR059D5 S:15 Acq:24-MAR-05 02:03:03
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

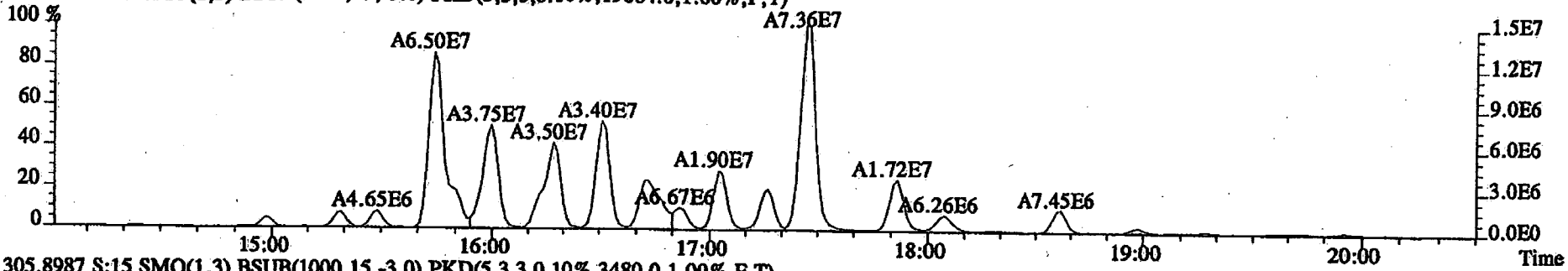
Amount: 140800.81 of which 77204.89 named and 63595.92 unnamed
Conc: 14080.08 of which 7720.49 named and 6359.59 unnamed

-63.74

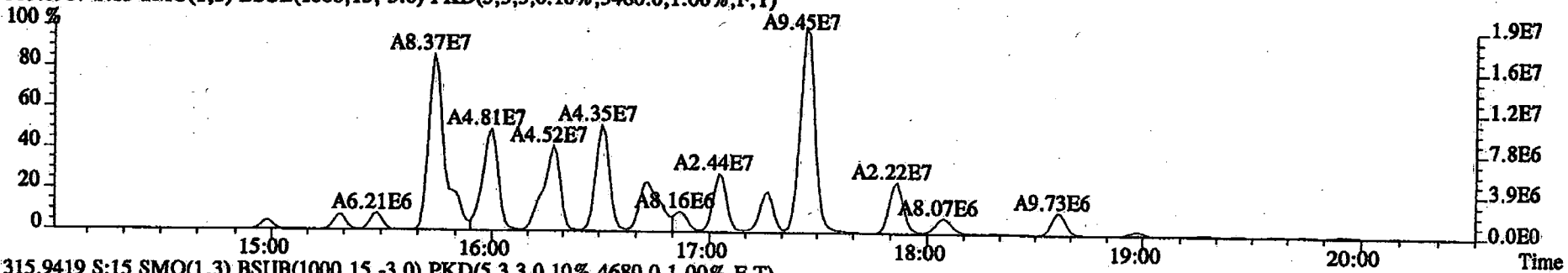
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	33:29	0.55	n	19.25	153416	4.8	y	n
						281335	5.4	y	n
	2	33:49	1.80	n	64.49	891861	23.3	y	n
						494149	7.8	y	n
	3	34:03	1.02	y	6275.85	49499400	1169.3	y	n
						48599400	754.4	y	n
1,2,3,4,6,7,8-HpCDD	4	34:35	1.03	y	7720.49	61305100	1441.6	y	n
						59375100	881.3	y	n

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

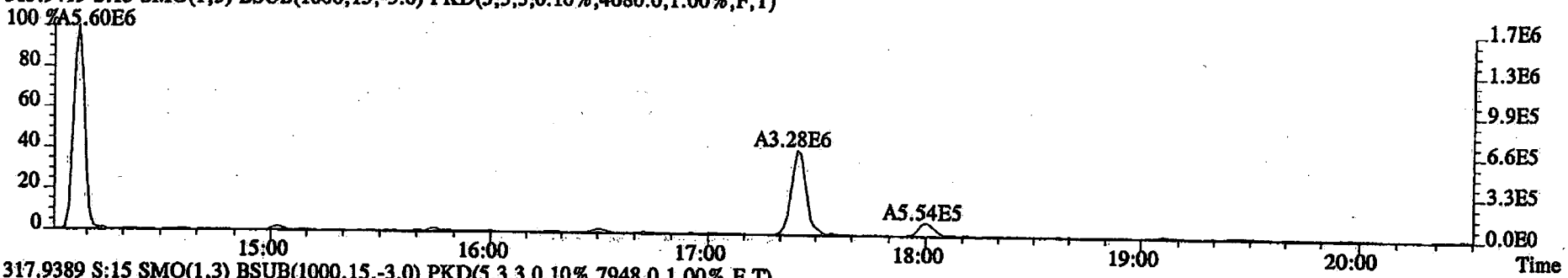
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19084.0,1.00%,F,T)



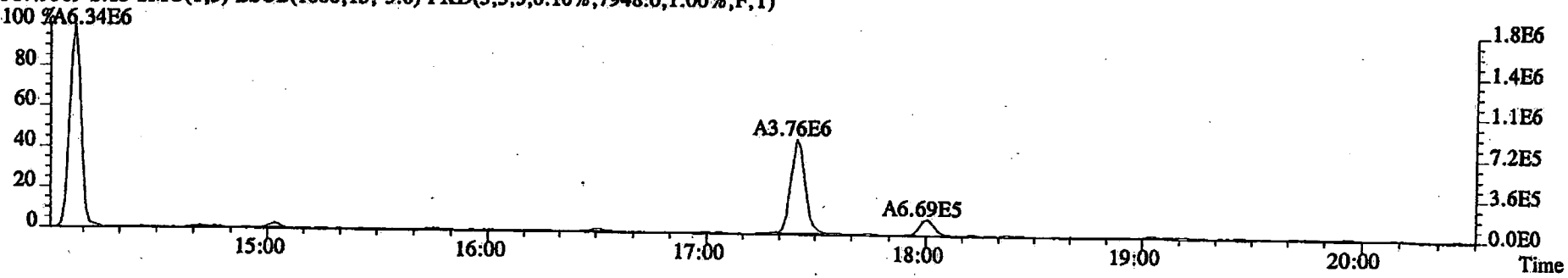
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4680.0,1.00%,F,T)



317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7948.0,1.00%,F,T)



898
STL Edison
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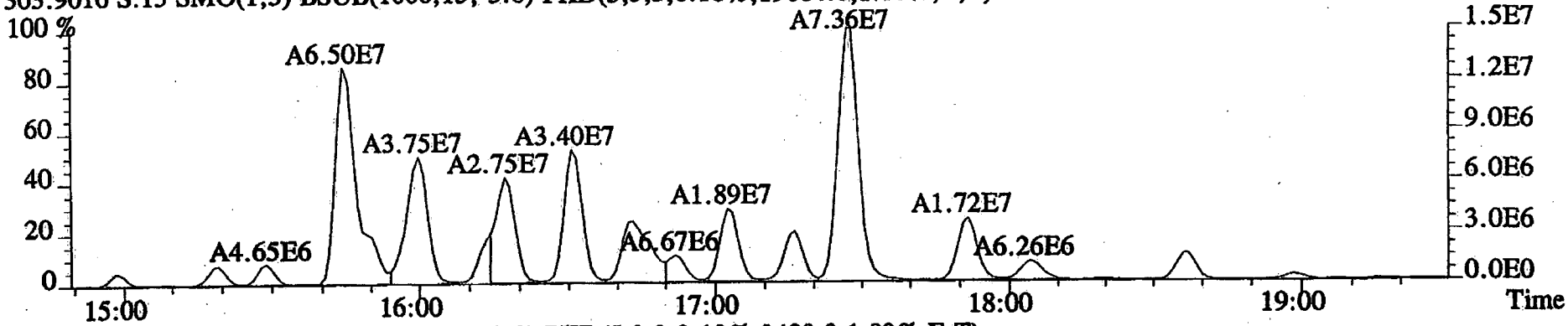
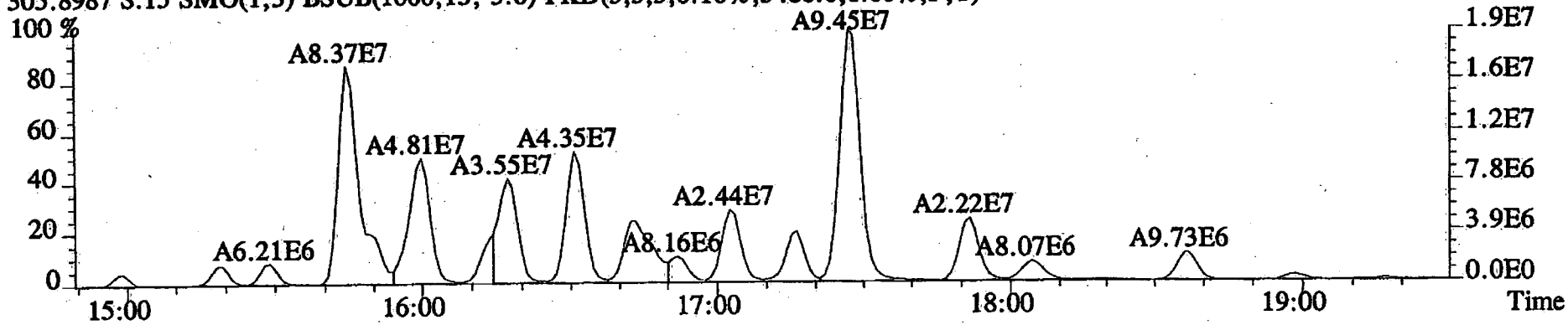
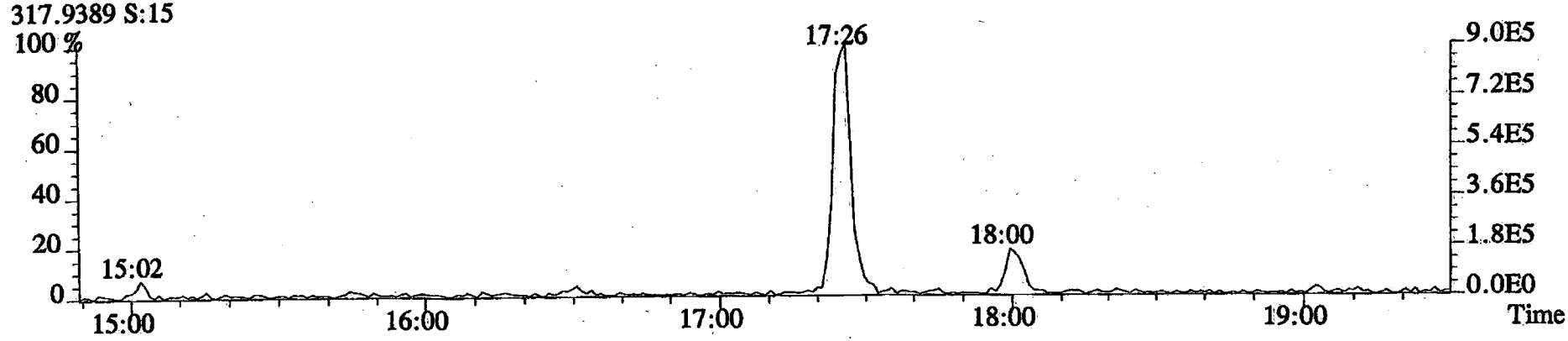
File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19084.0,1.00%,F,T)



305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



317.9389 S:15



899
STL Edison
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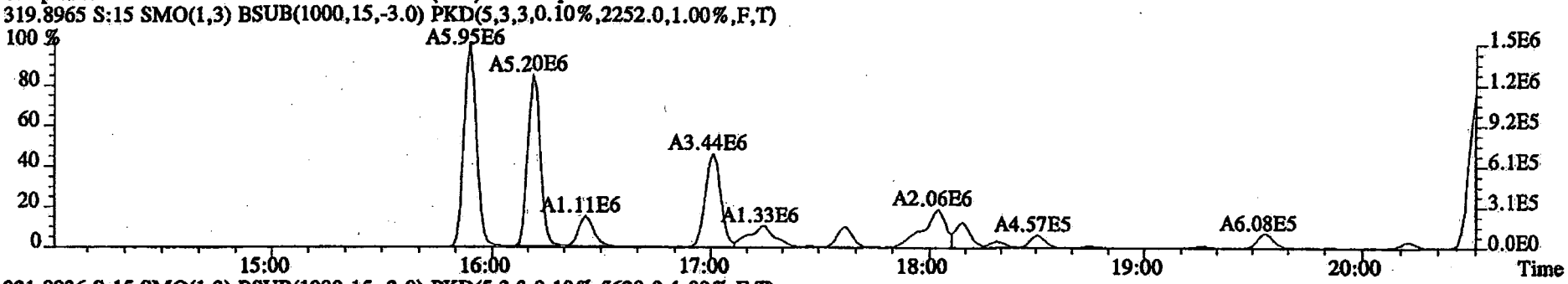
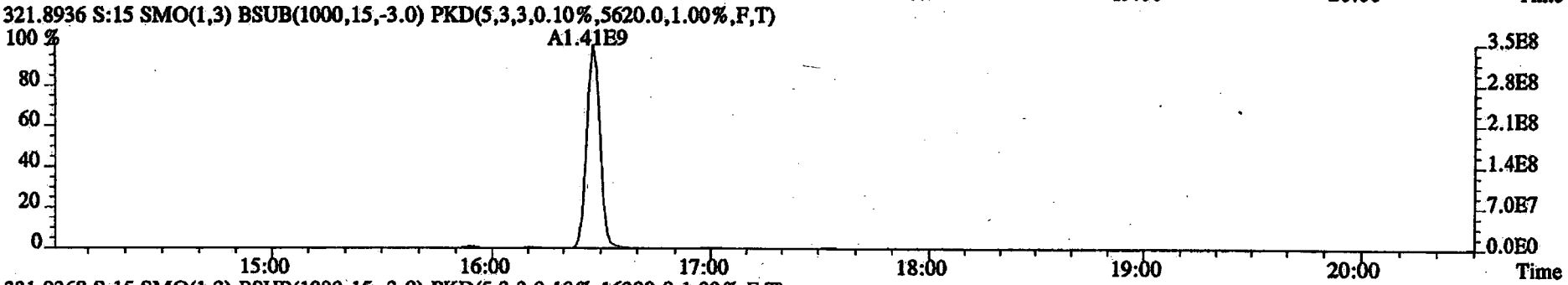
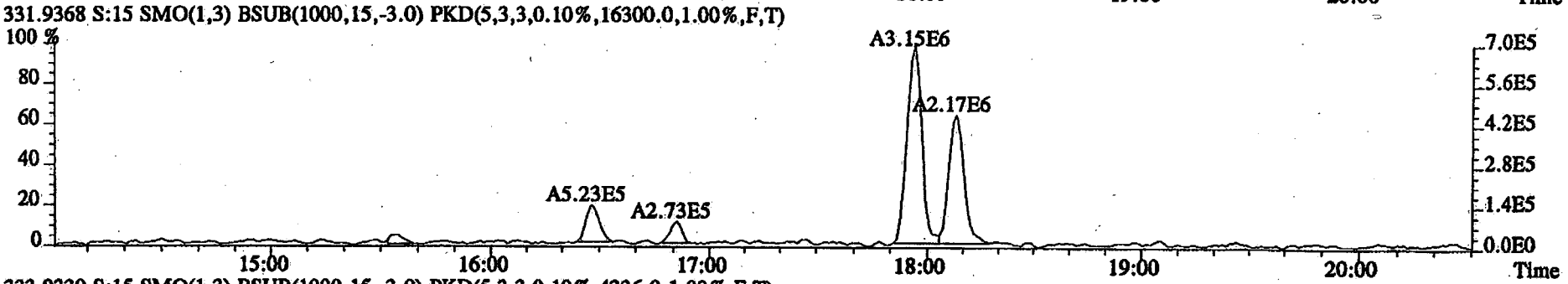
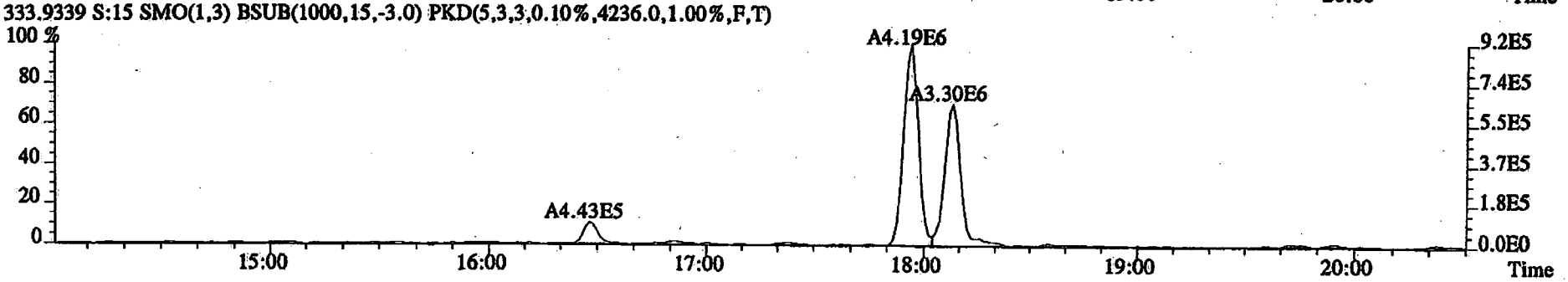
File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN









900
STL Edison
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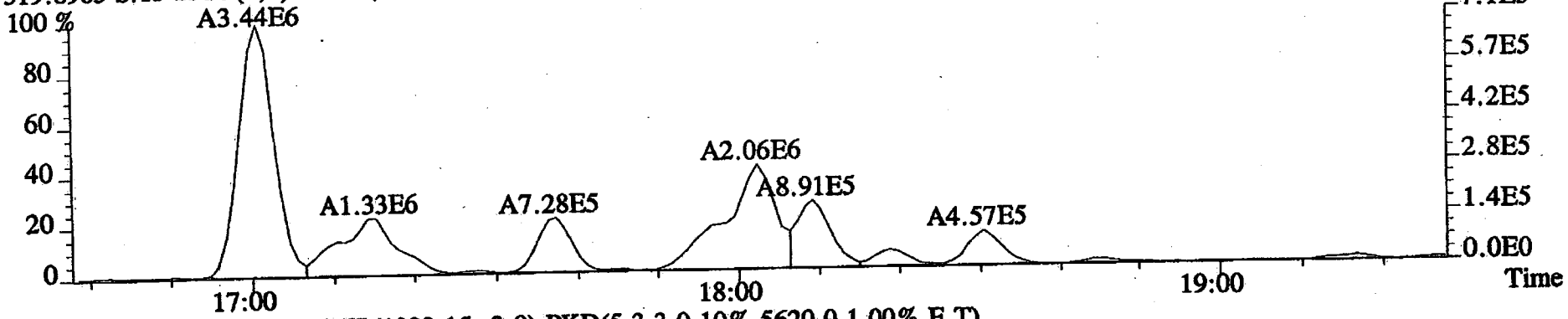
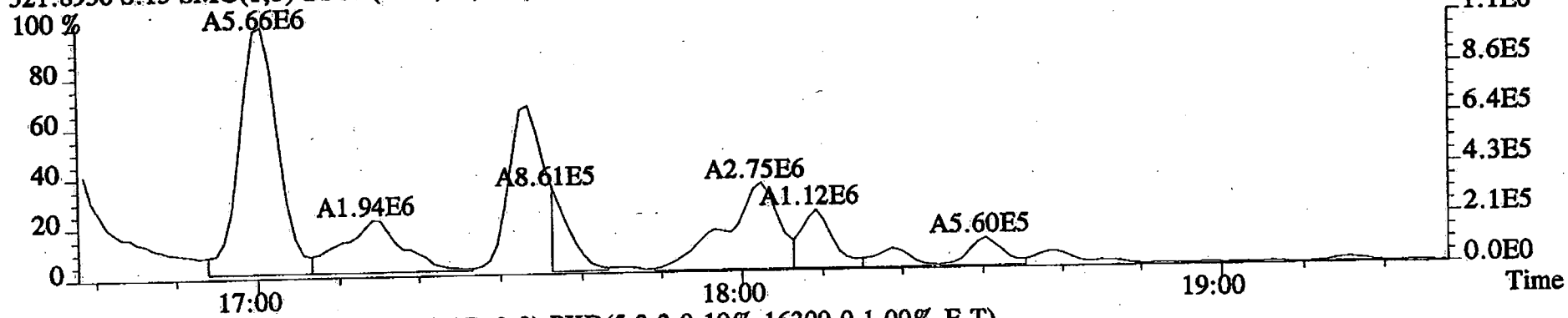
File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN

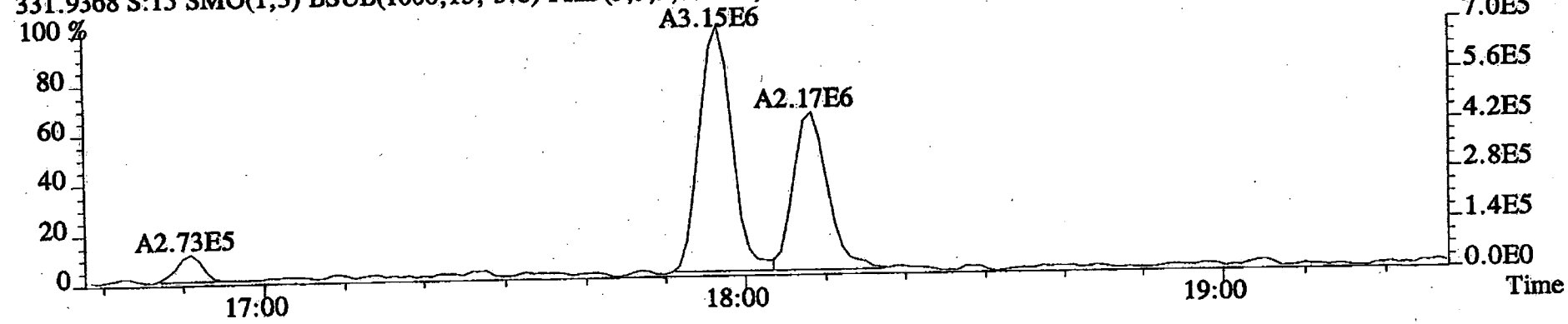
319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2252.0,1.00%,F,T)



321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5620.0,1.00%,F,T)



331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16300.0,1.00%,F,T)



901
STL Edison
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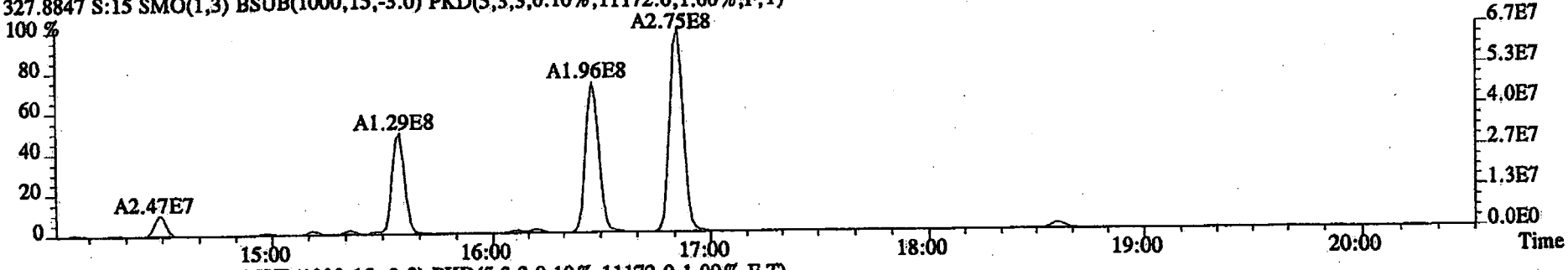
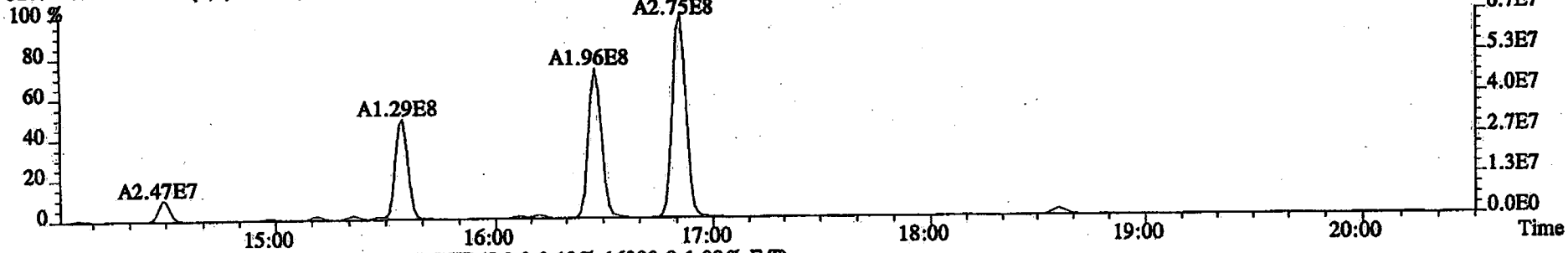
File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

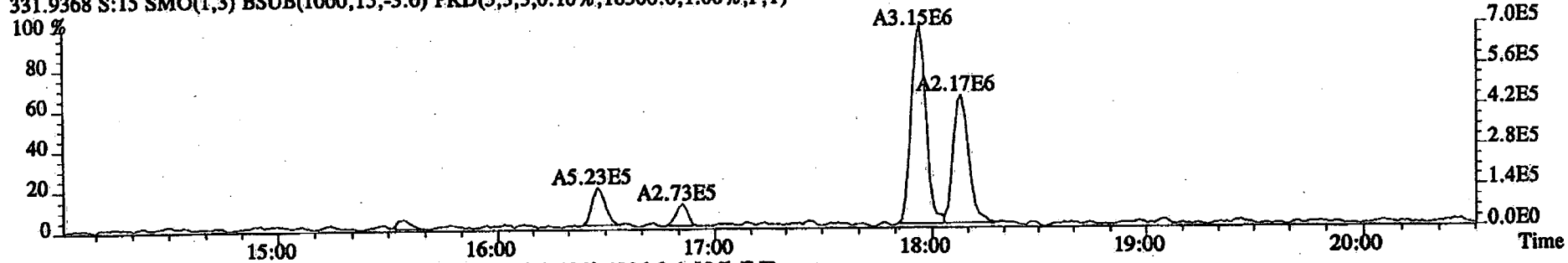
327.8847 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11172.0,1.00%,F,T)



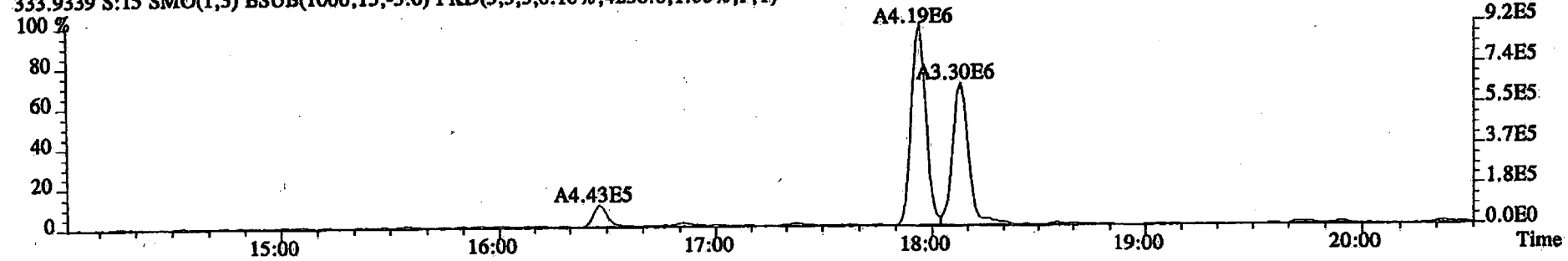
327.8847 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11172.0,1.00%,F,T)



331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16300.0,1.00%,F,T)



333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4236.0,1.00%,F,T)



902

STL Edison

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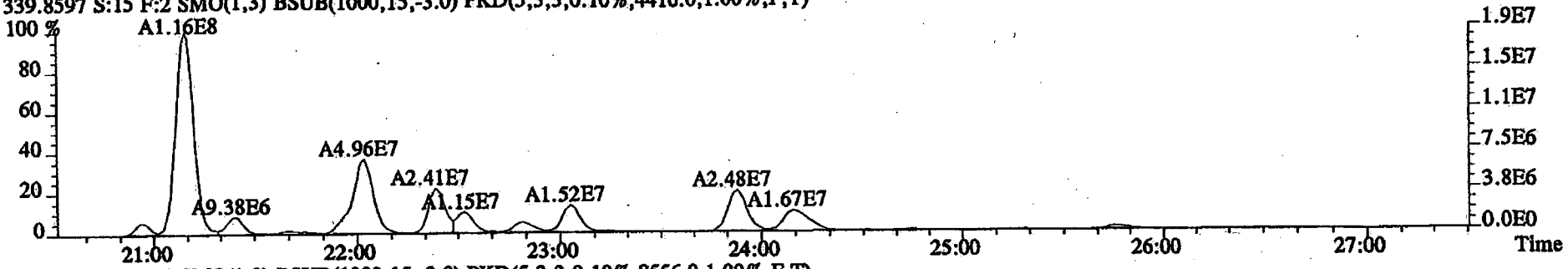
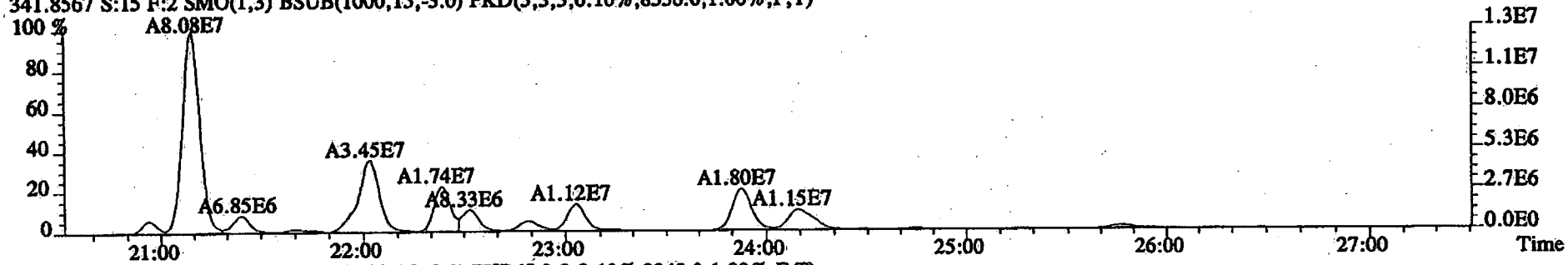
File:23MR059D5 #1-557 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

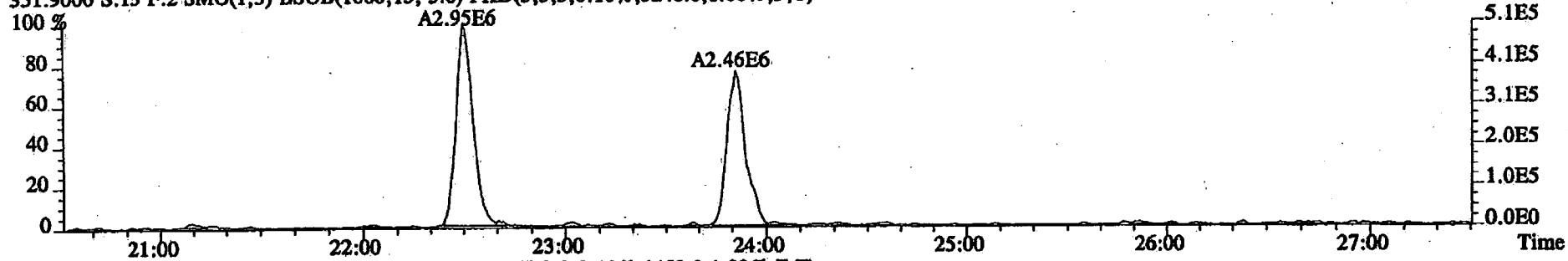
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)



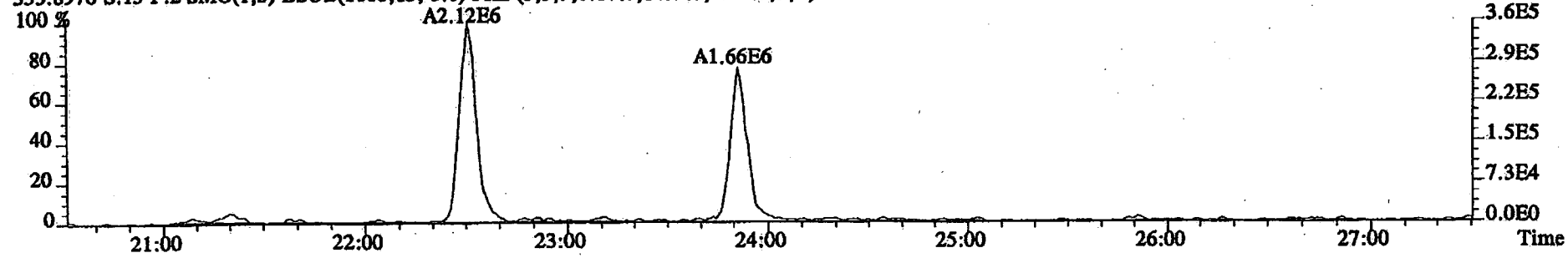
341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



351.9000 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



353.8970 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1452.0,1.00%,F,T)



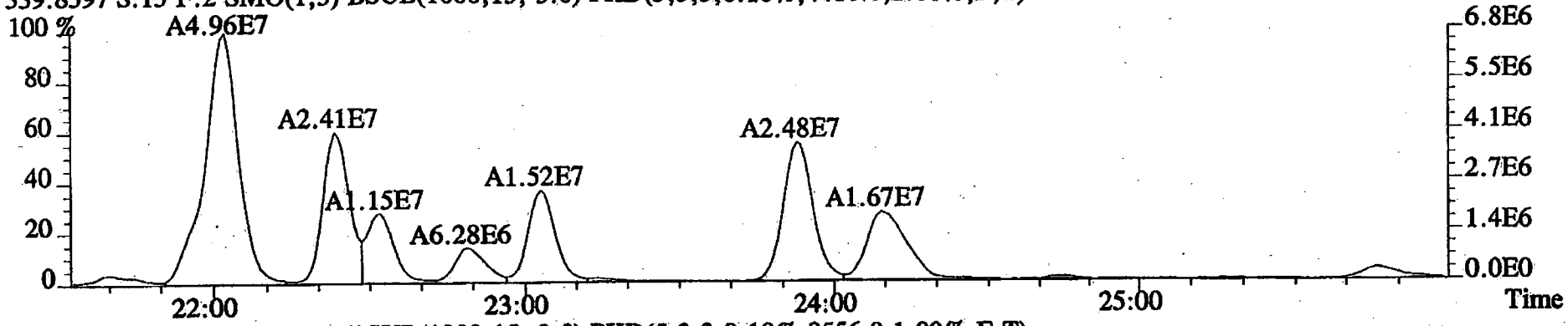
903

STL Edison

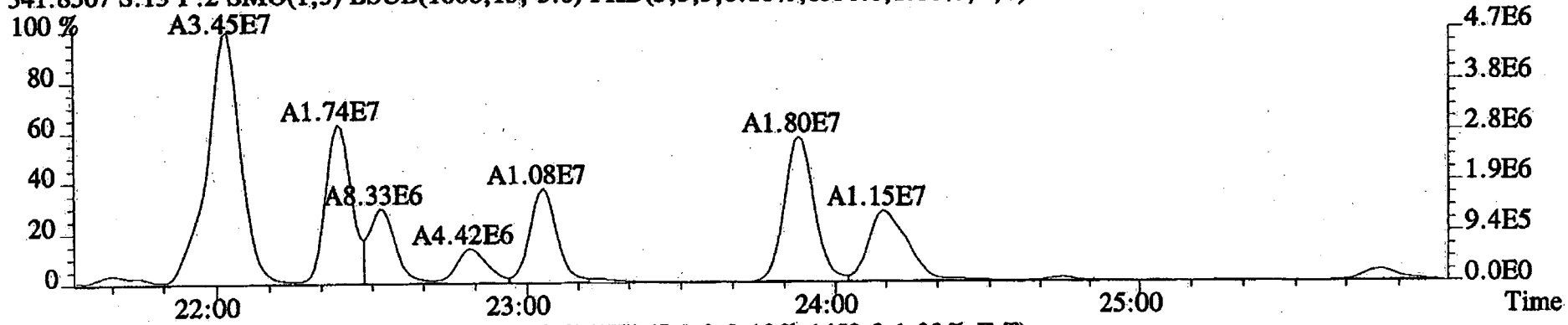
U855

File:23MR059D5 #1-557 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN

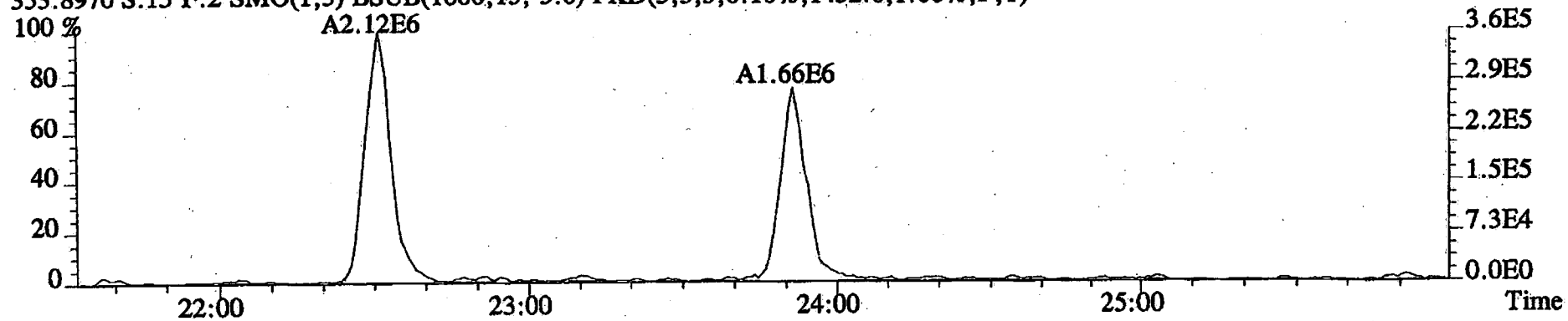
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)



341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



353.8970 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1452.0,1.00%,F,T)



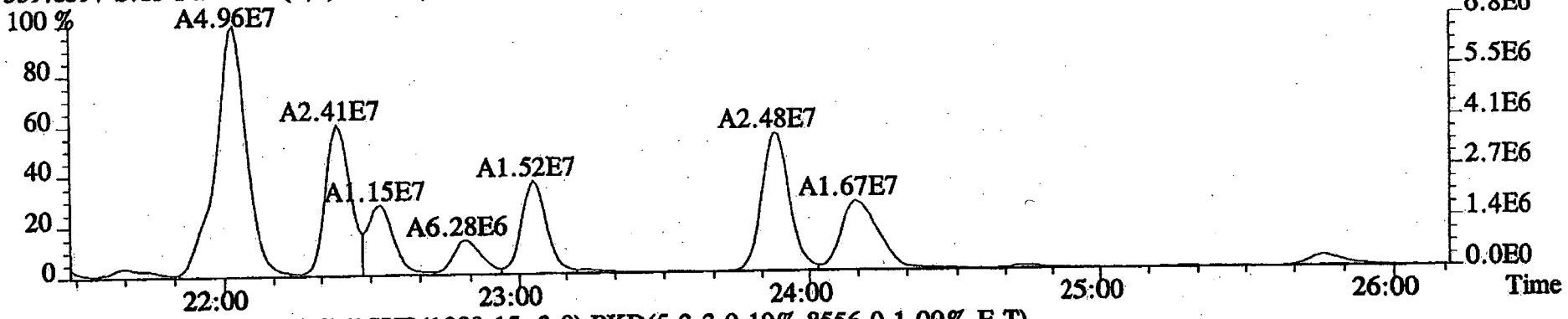
904

STL Edison

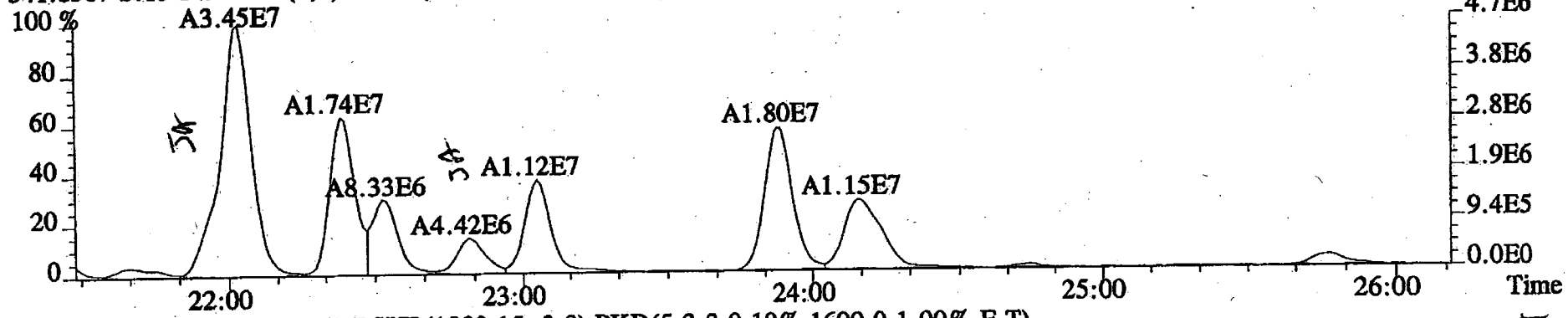
U855

File:23MR059D5 #1-557 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN

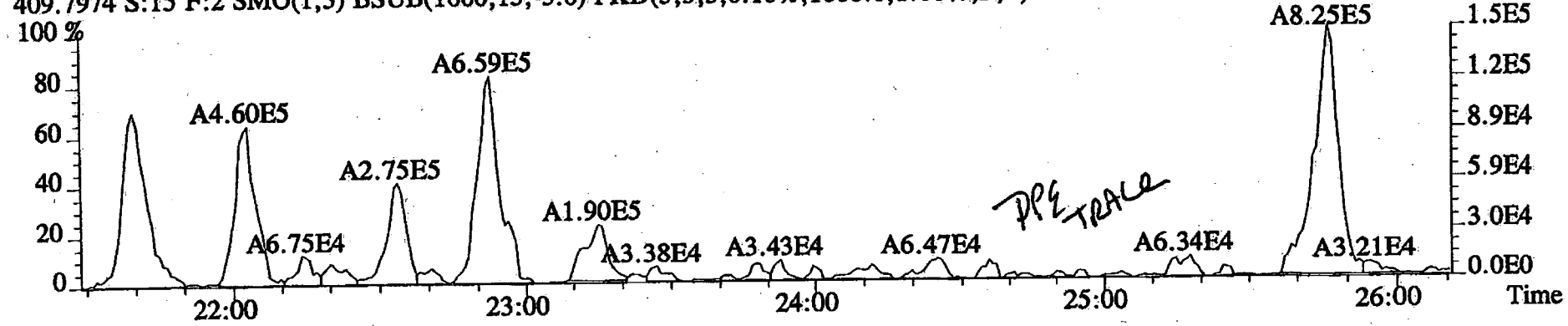
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)



341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



409.7974 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)



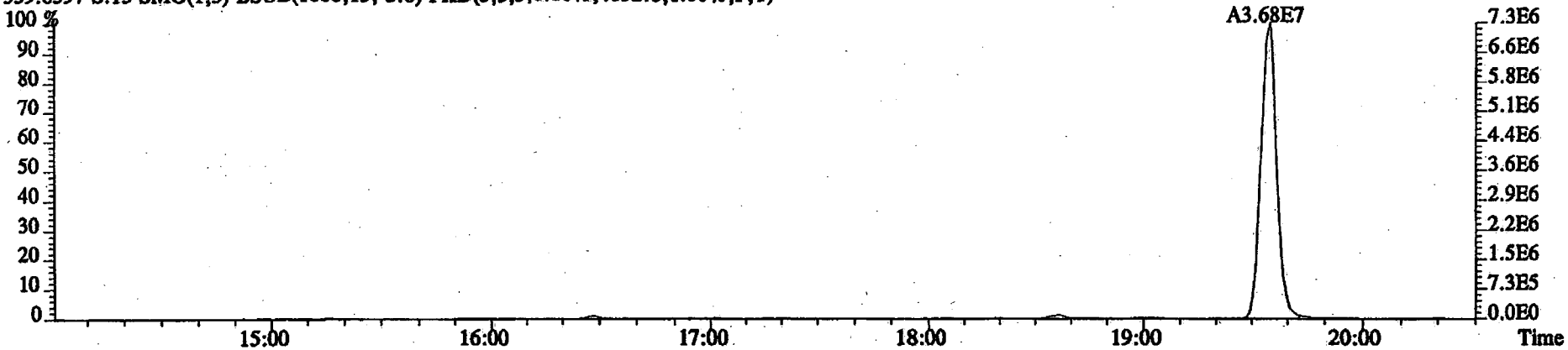
905

STL Edison

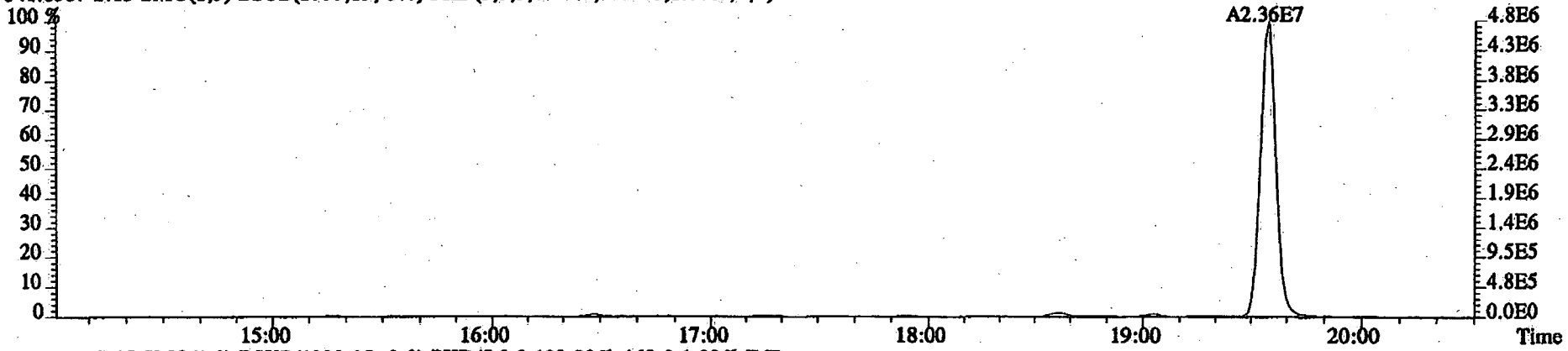
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

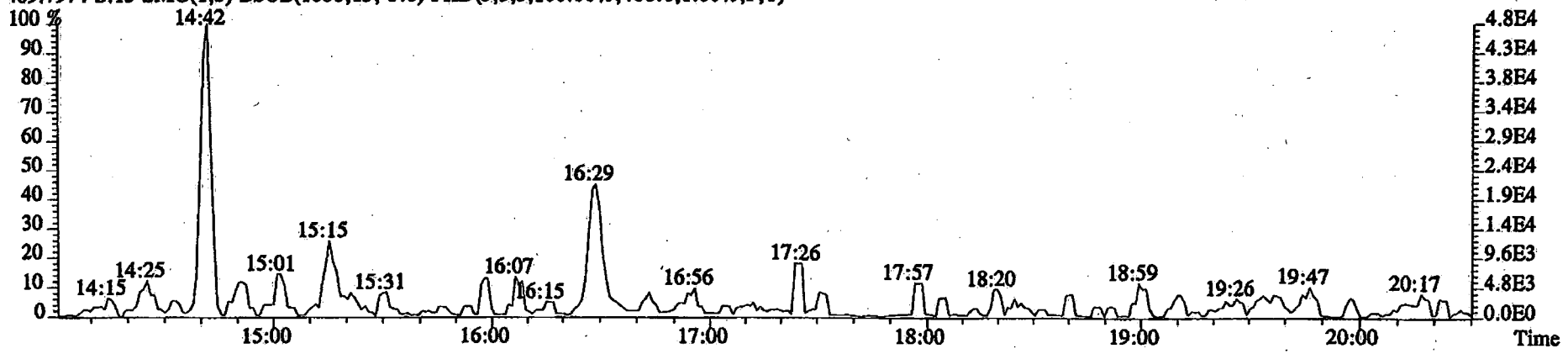
339.8597 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4032.0,1.00%,F,T)



341.8567 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3828.0,1.00%,F,T)



409.7974 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,468.0,1.00%,F,T)



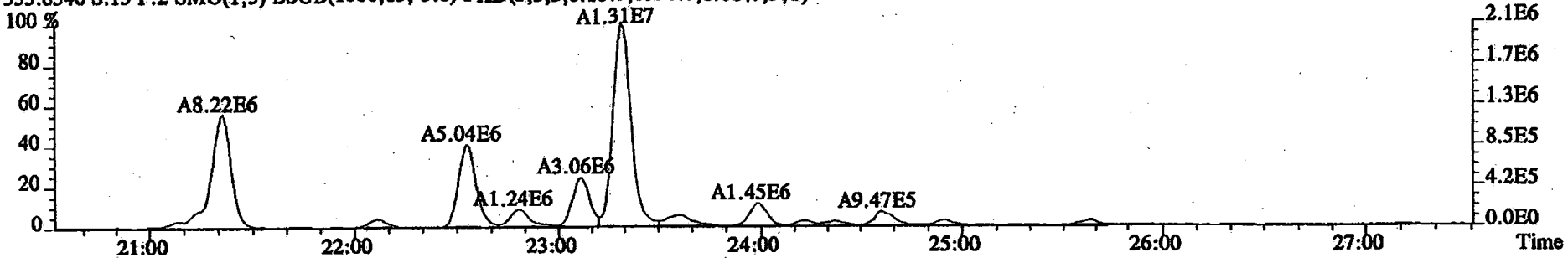
906

STL Edison

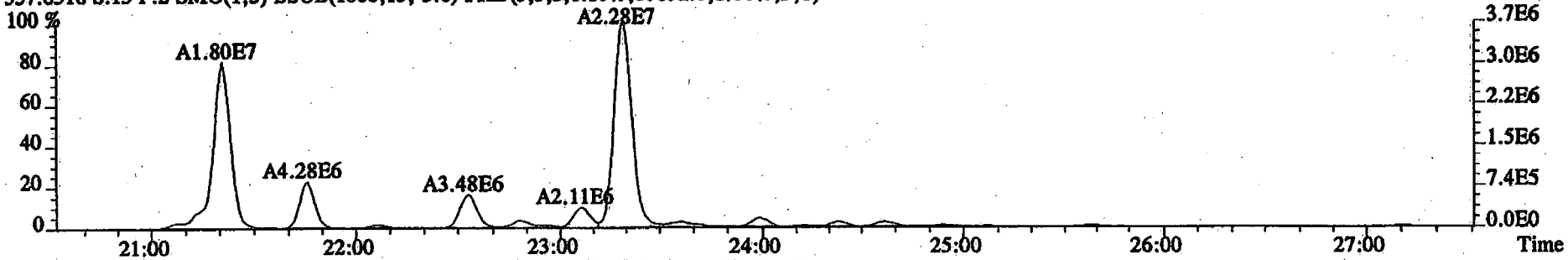
U855

File:23MR059D5 #1-557 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

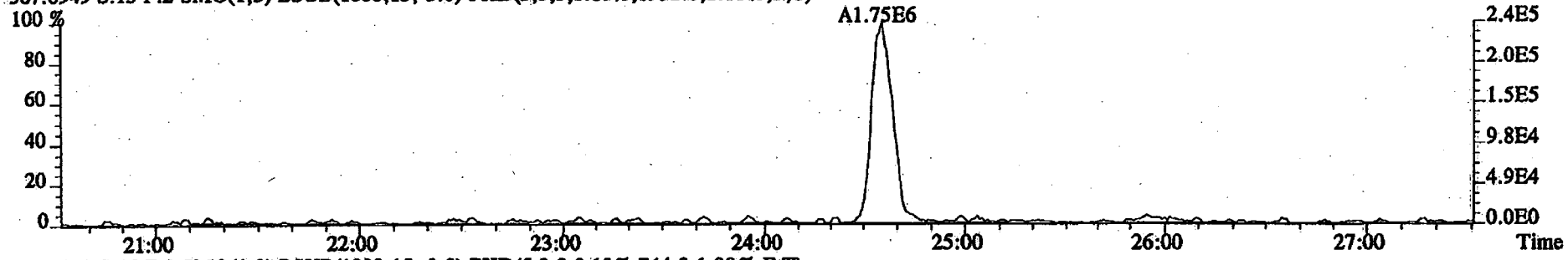
355.8546 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6336.0,1.00%,F,T)



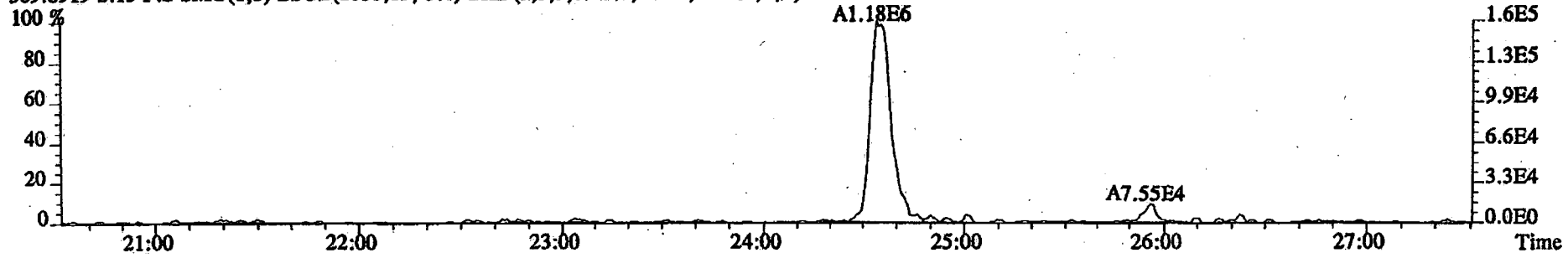
357.8516 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10832.0,1.00%,F,T)



367.8949 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1952.0,1.00%,F,T)



369.8919 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,744.0,1.00%,F,T)

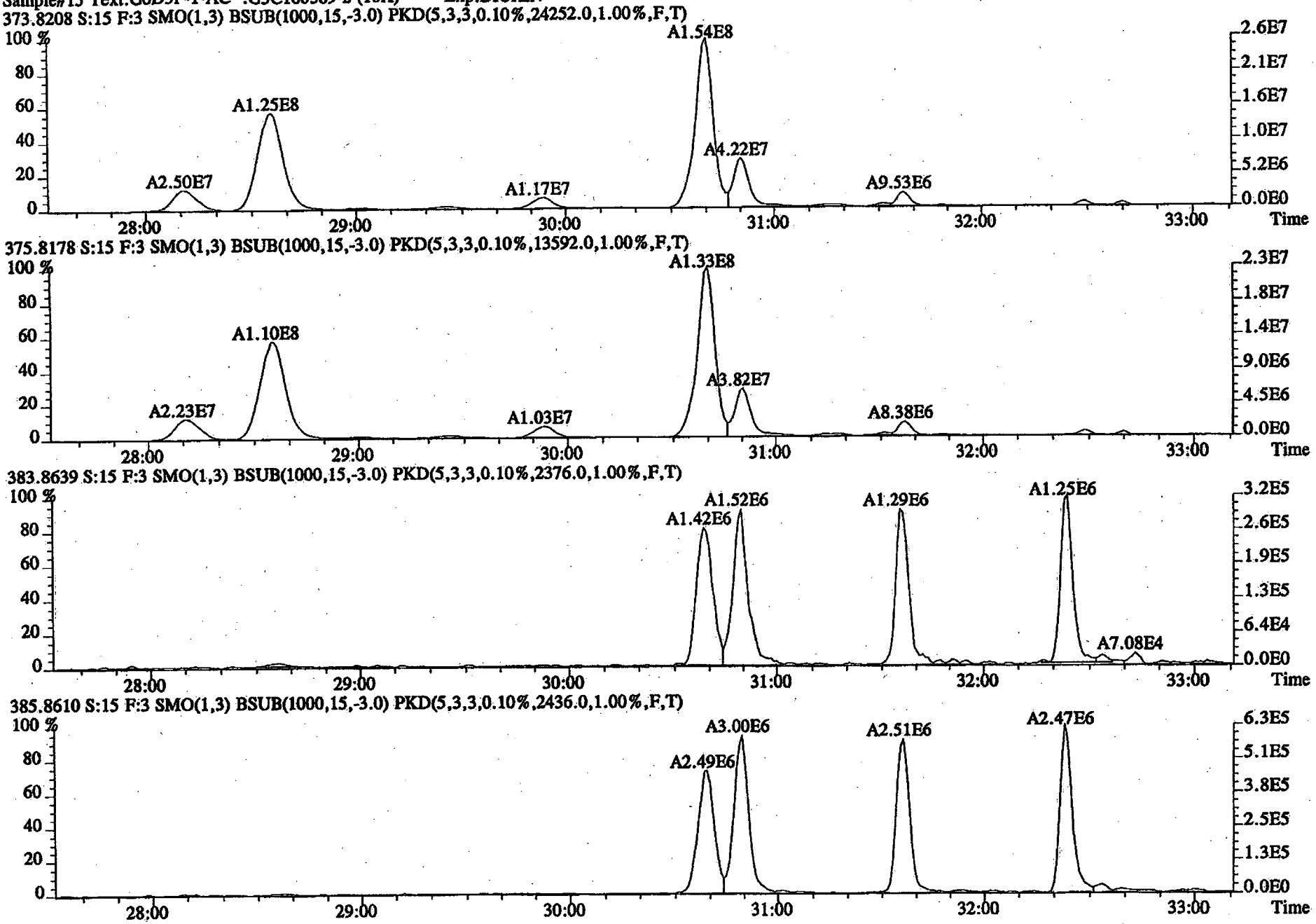


907

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

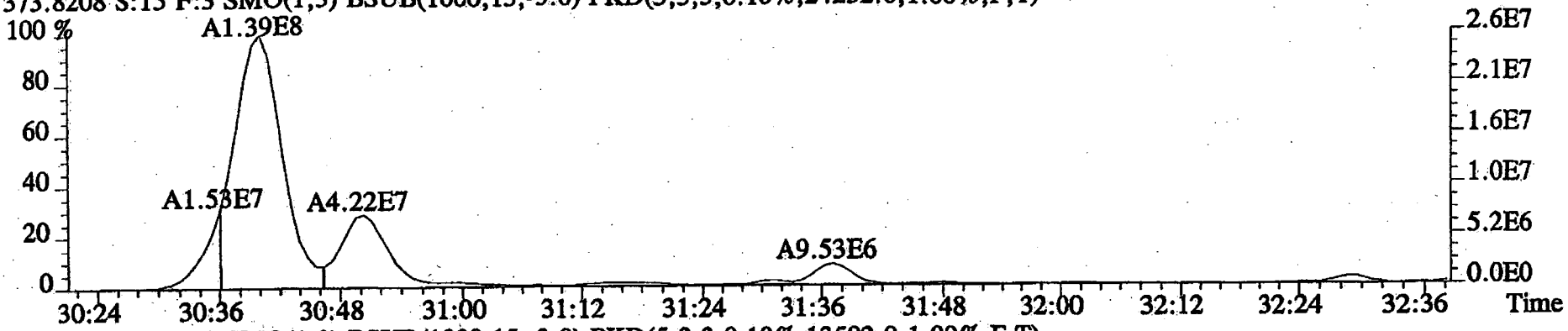


908

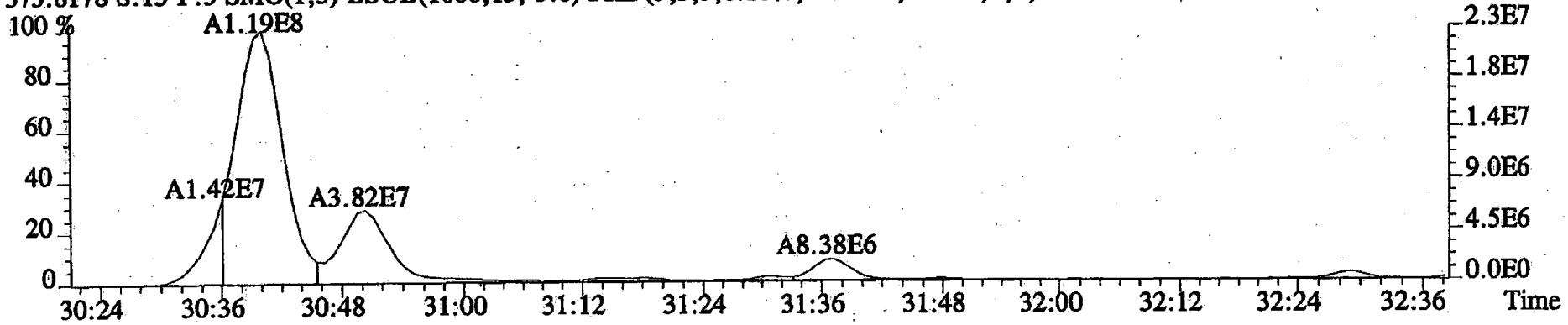
STL Edison

U855

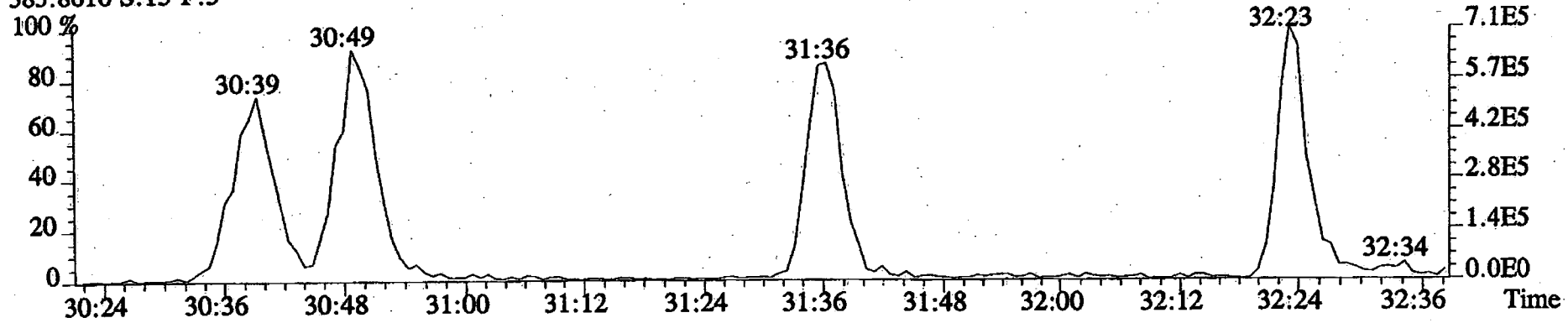
File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN
373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24252.0,1.00%,F,T)



375.8178 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13592.0,1.00%,F,T)



385.8610 S:15 F:3



909
STL Edison
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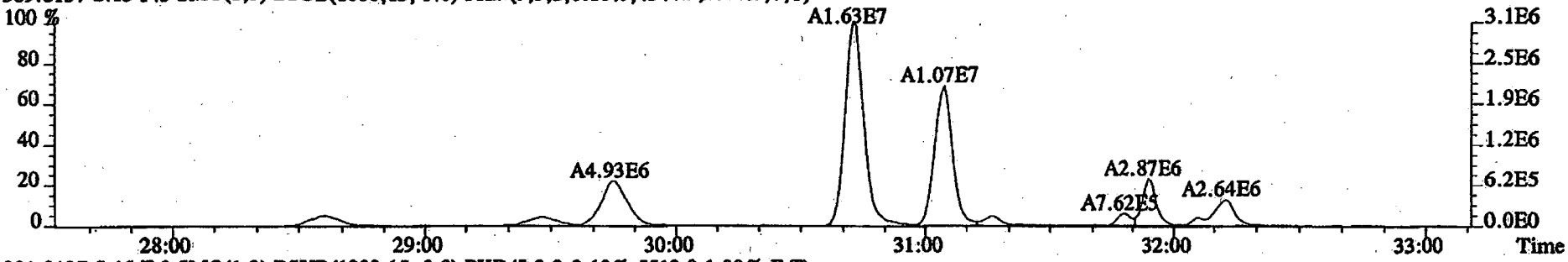
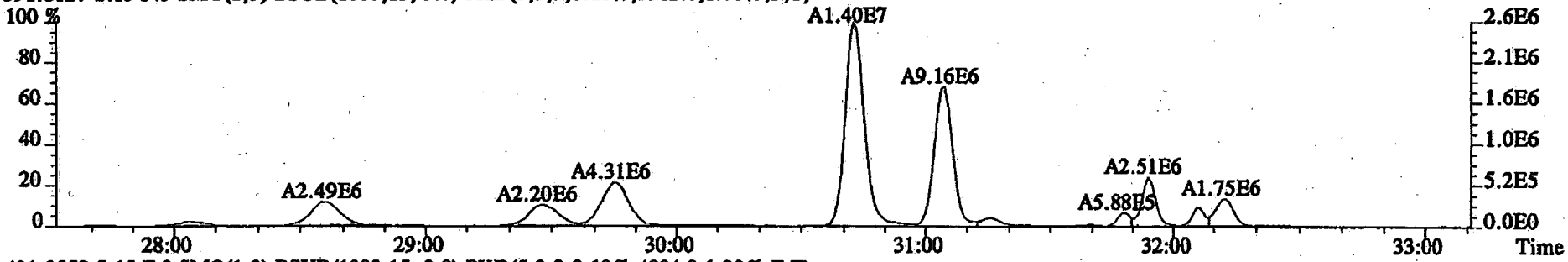
File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

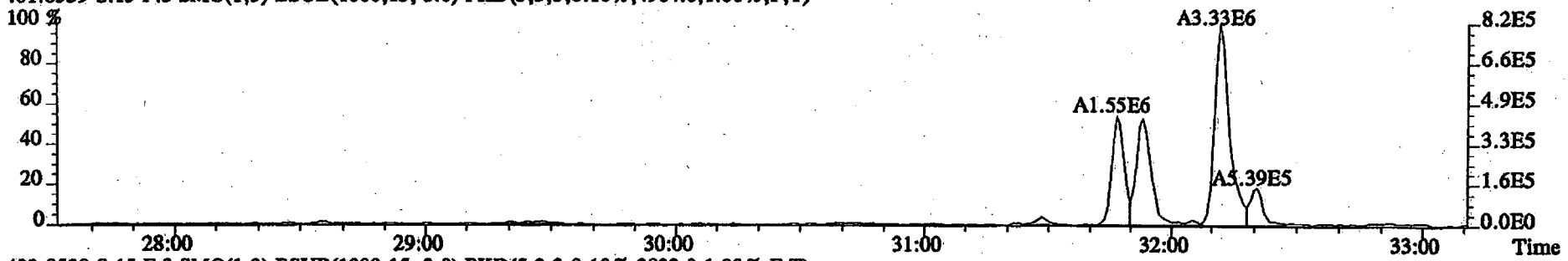
389.8157 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4544.0,1.00%,F,T)



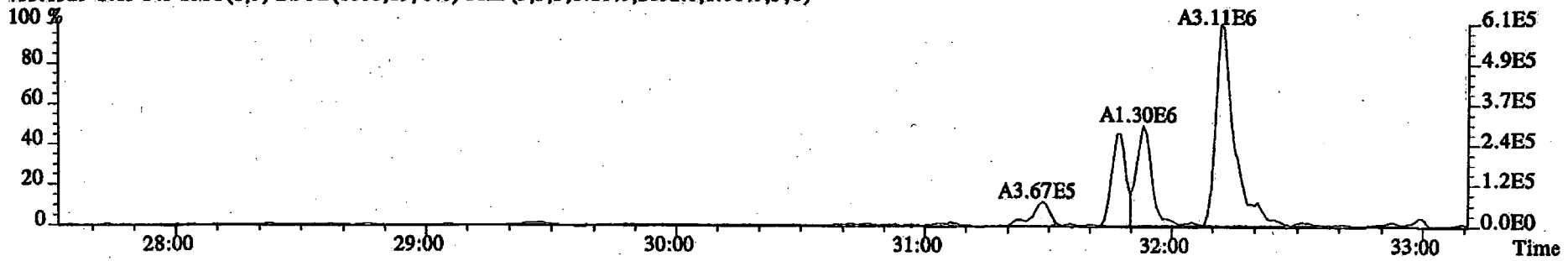
391.8127 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5512.0,1.00%,F,T)



401.8559 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4904.0,1.00%,F,T)



403.8529 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)

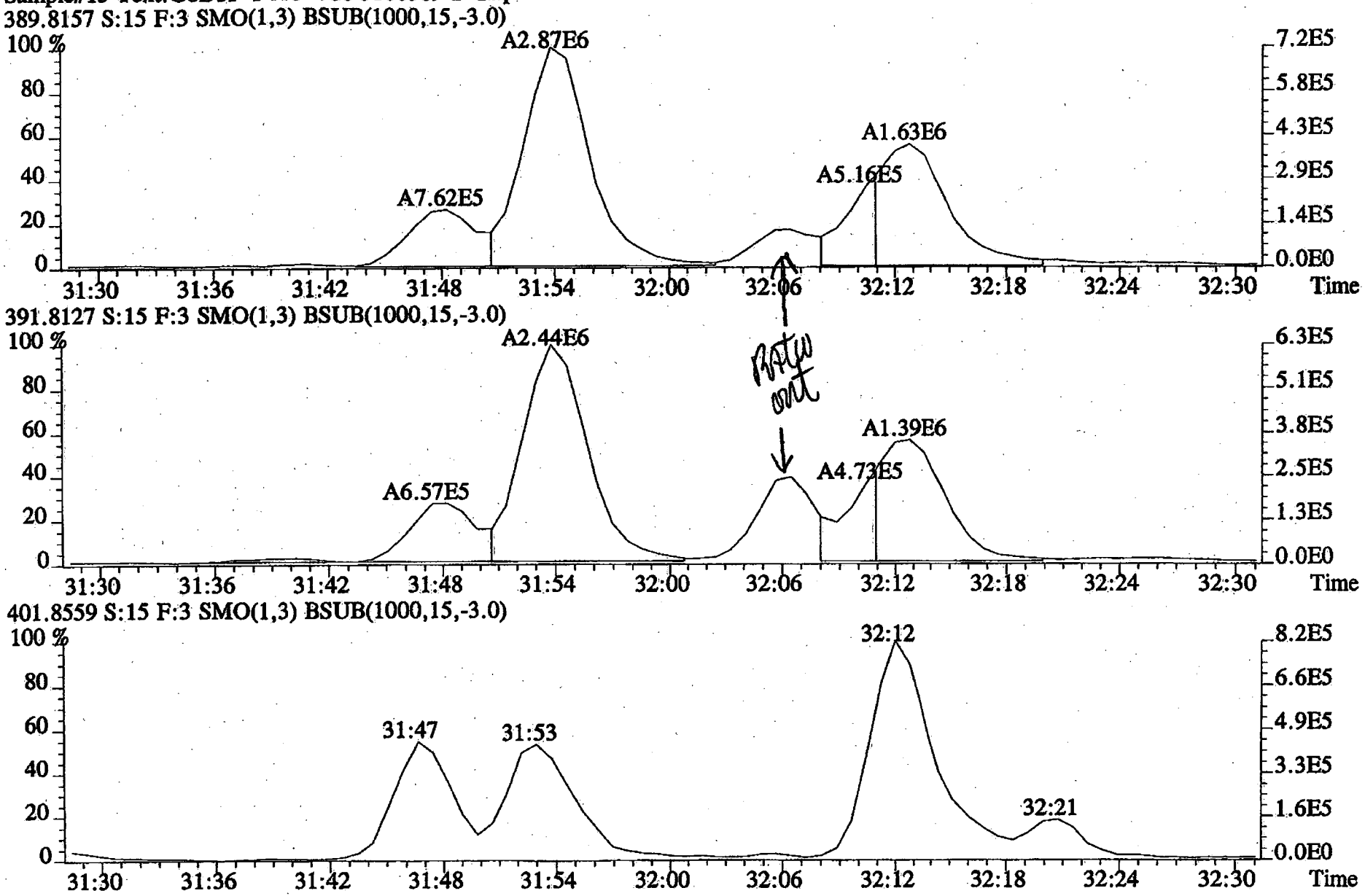


910

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN

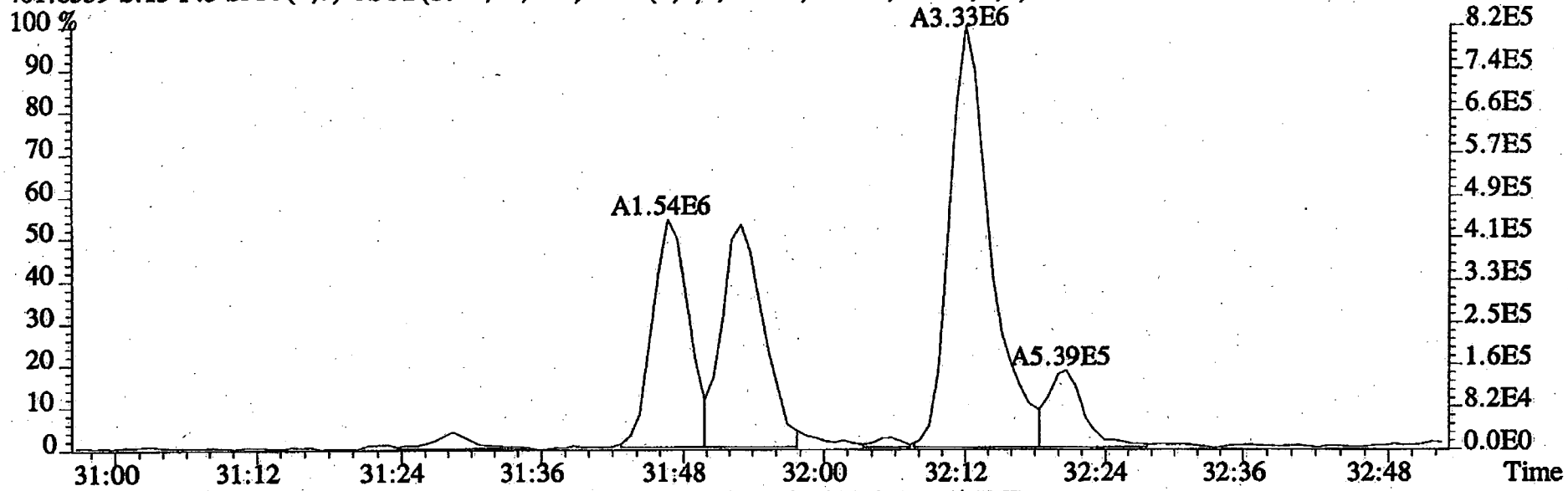


911

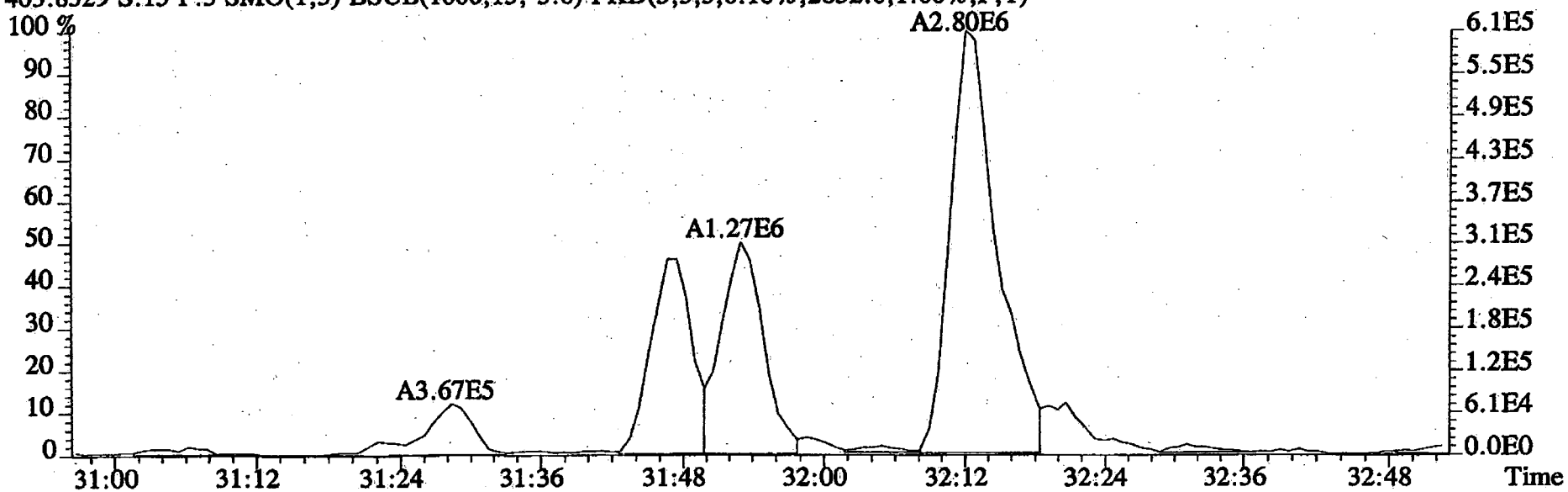
STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 Exp:DIOXIN
401.8559 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4904.0,1.00%,F,T)

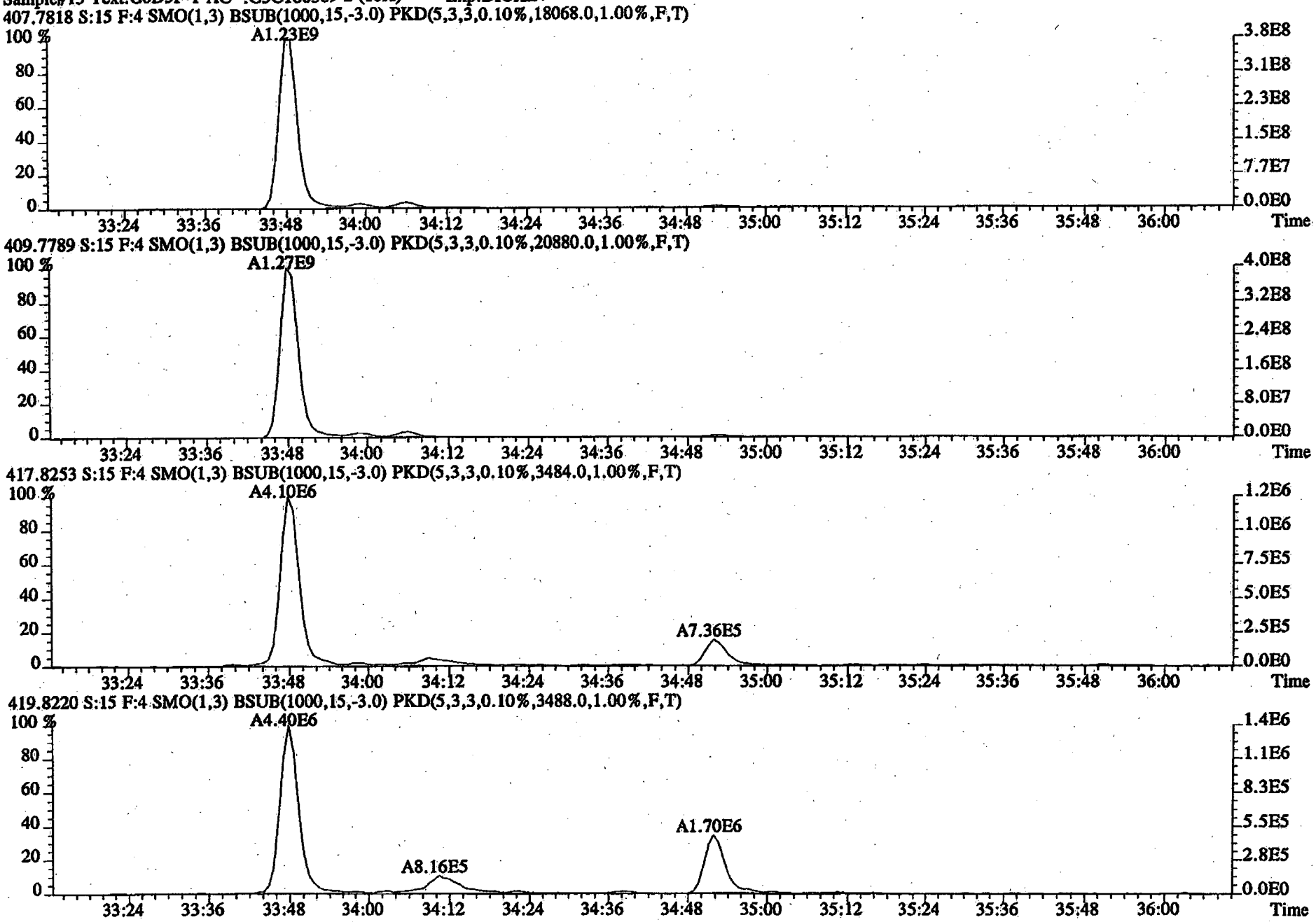


403.8529 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



912
STL Edison
U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN



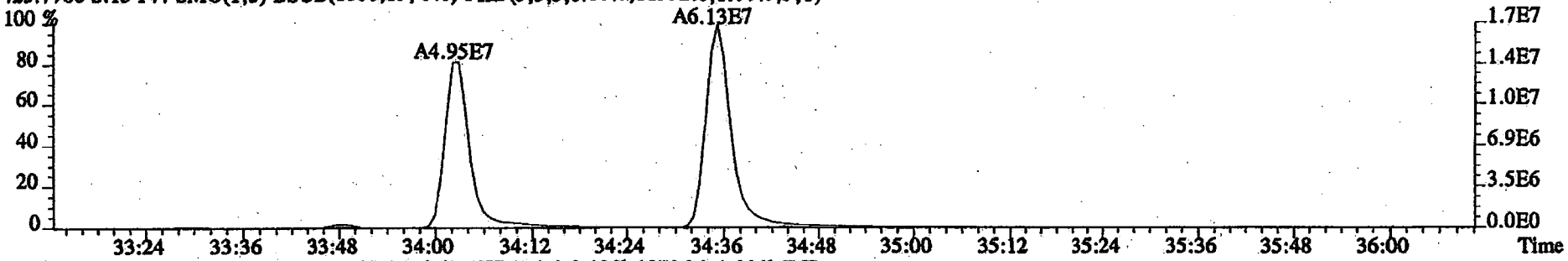
913

STL Edison

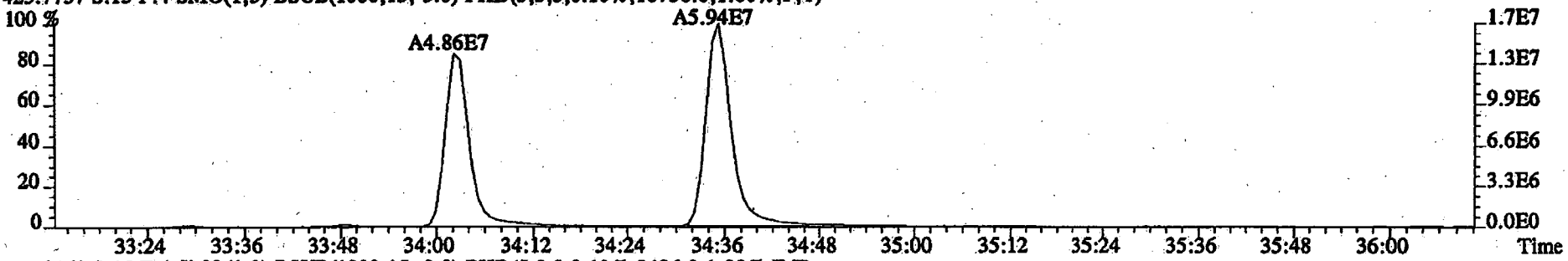
U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

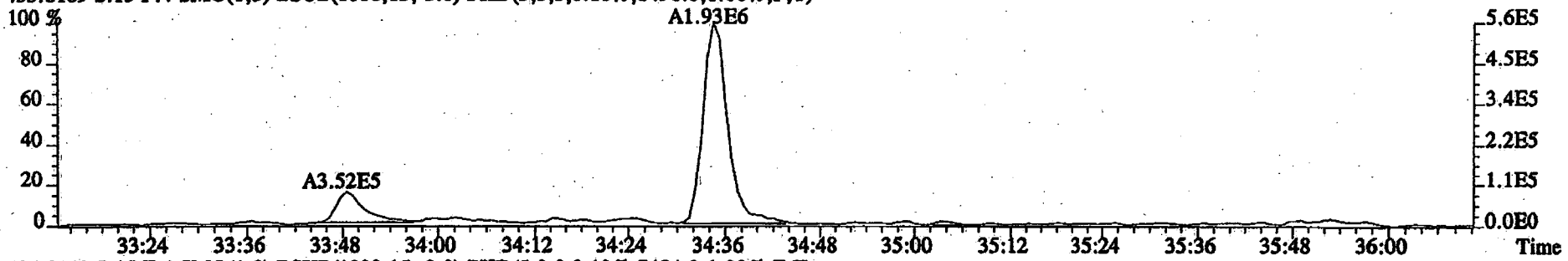
423.7766 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11992.0,1.00%,F,T)



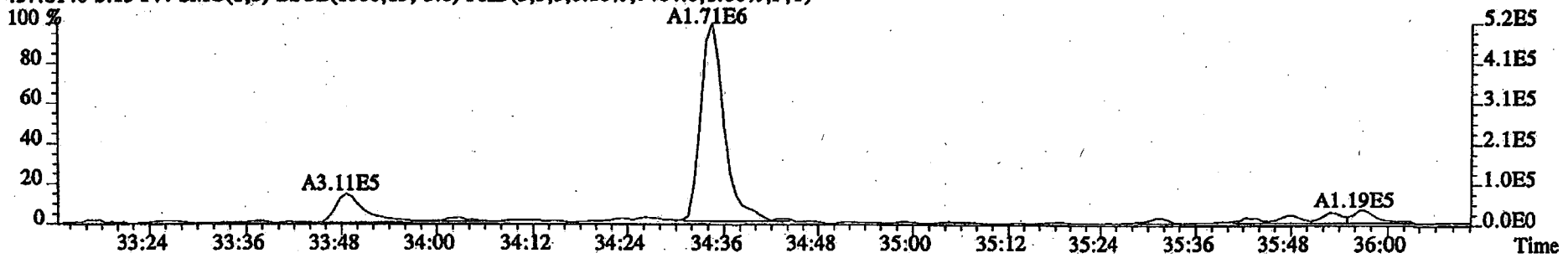
425.7737 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18736.0,1.00%,F,T)



435.8169 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8496.0,1.00%,F,T)



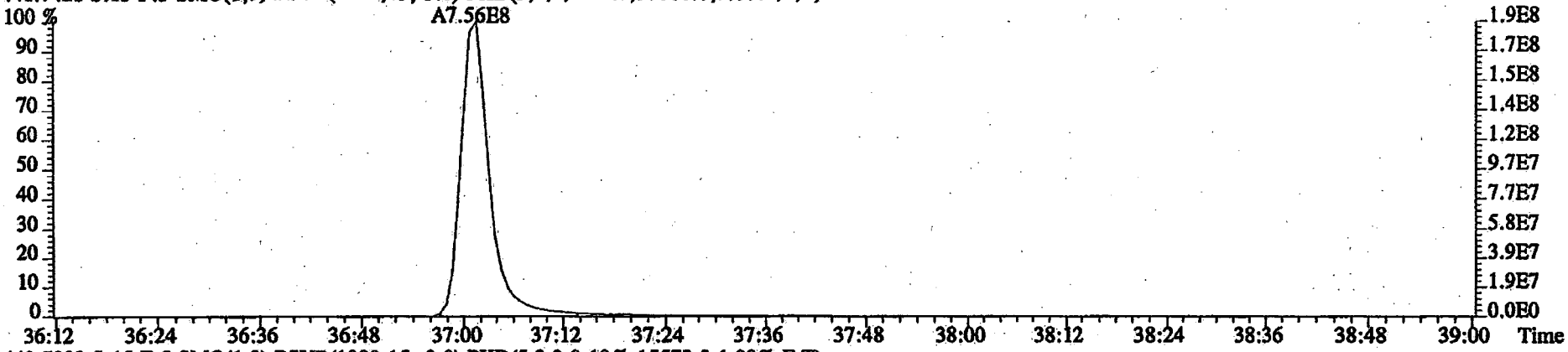
437.8140 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7484.0,1.00%,F,T)



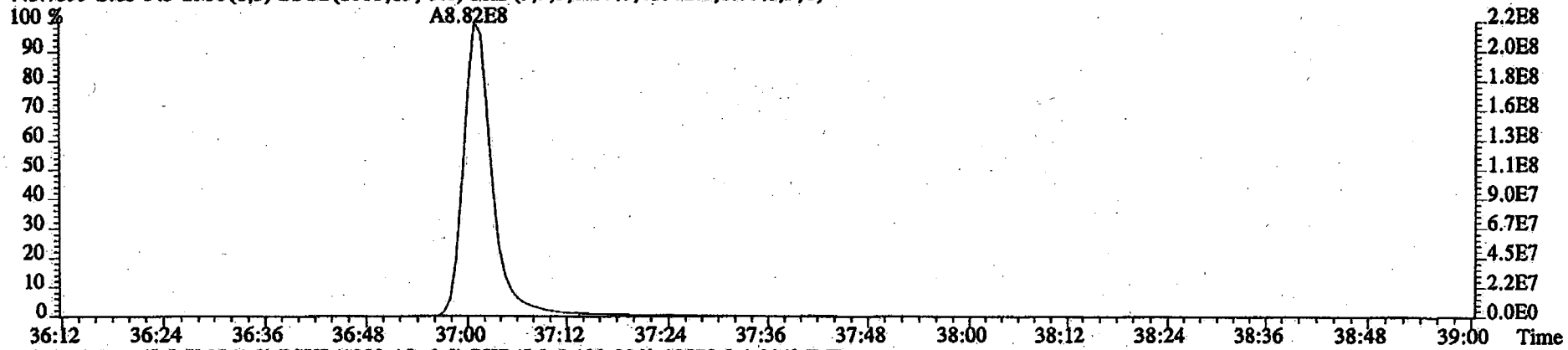
914
STL Edison
U855

File:23MR059D5 #1-228 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

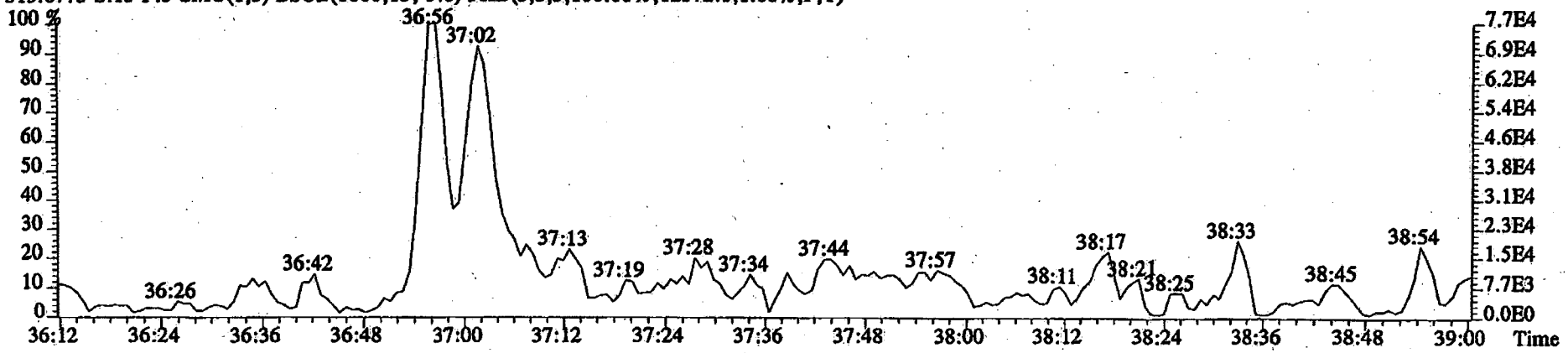
441.7428 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37000.0,1.00%,F,T)



443.7399 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15572.0,1.00%,F,T)



513.6775 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,12572.0,1.00%,F,T)



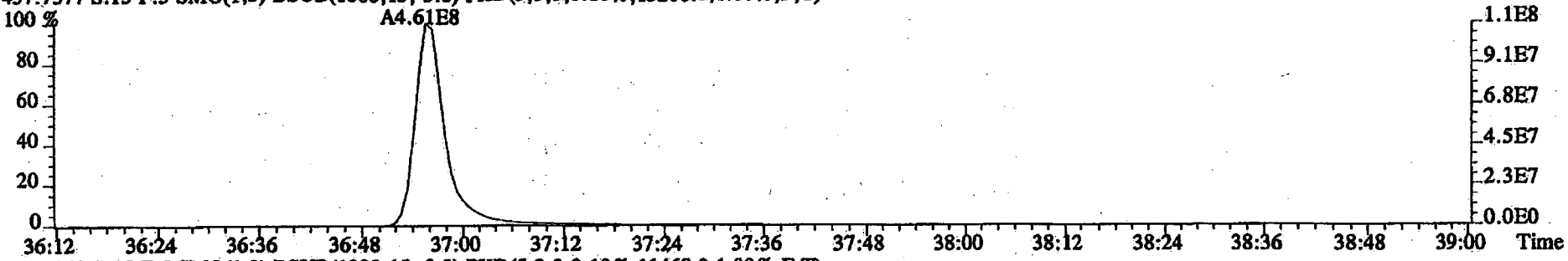
915

STL Edison

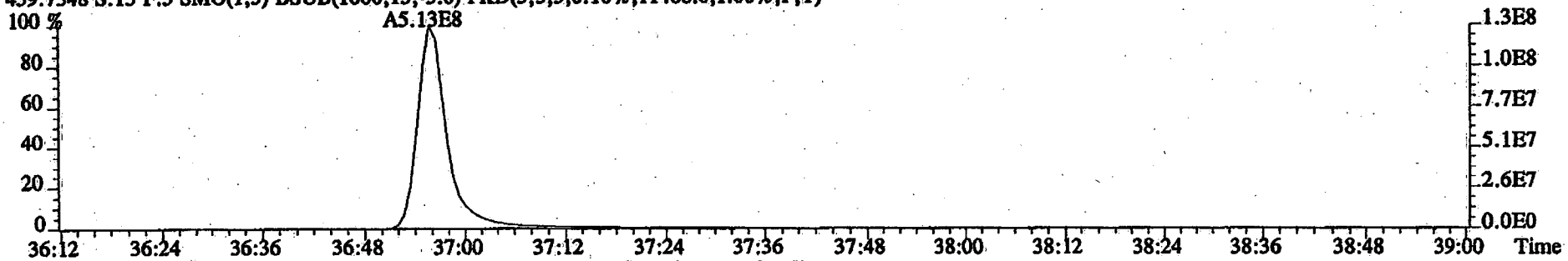
U855

File:23MR059D5 #1-228 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

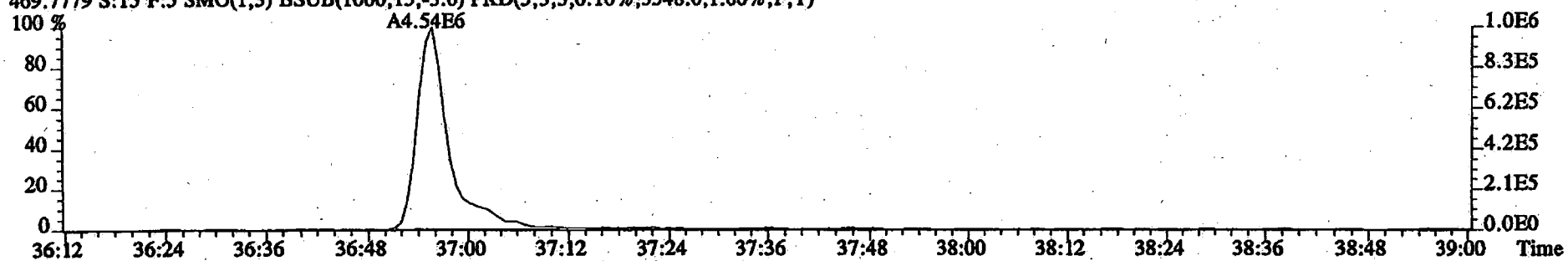
457.7377 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15200.0,1.00%,F,T)



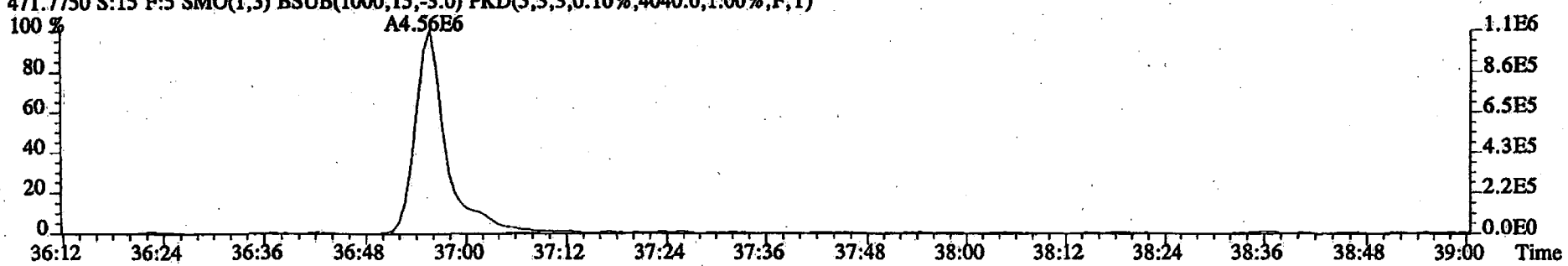
459.7348 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11468.0,1.00%,F,T)



469.7779 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3548.0,1.00%,F,T)

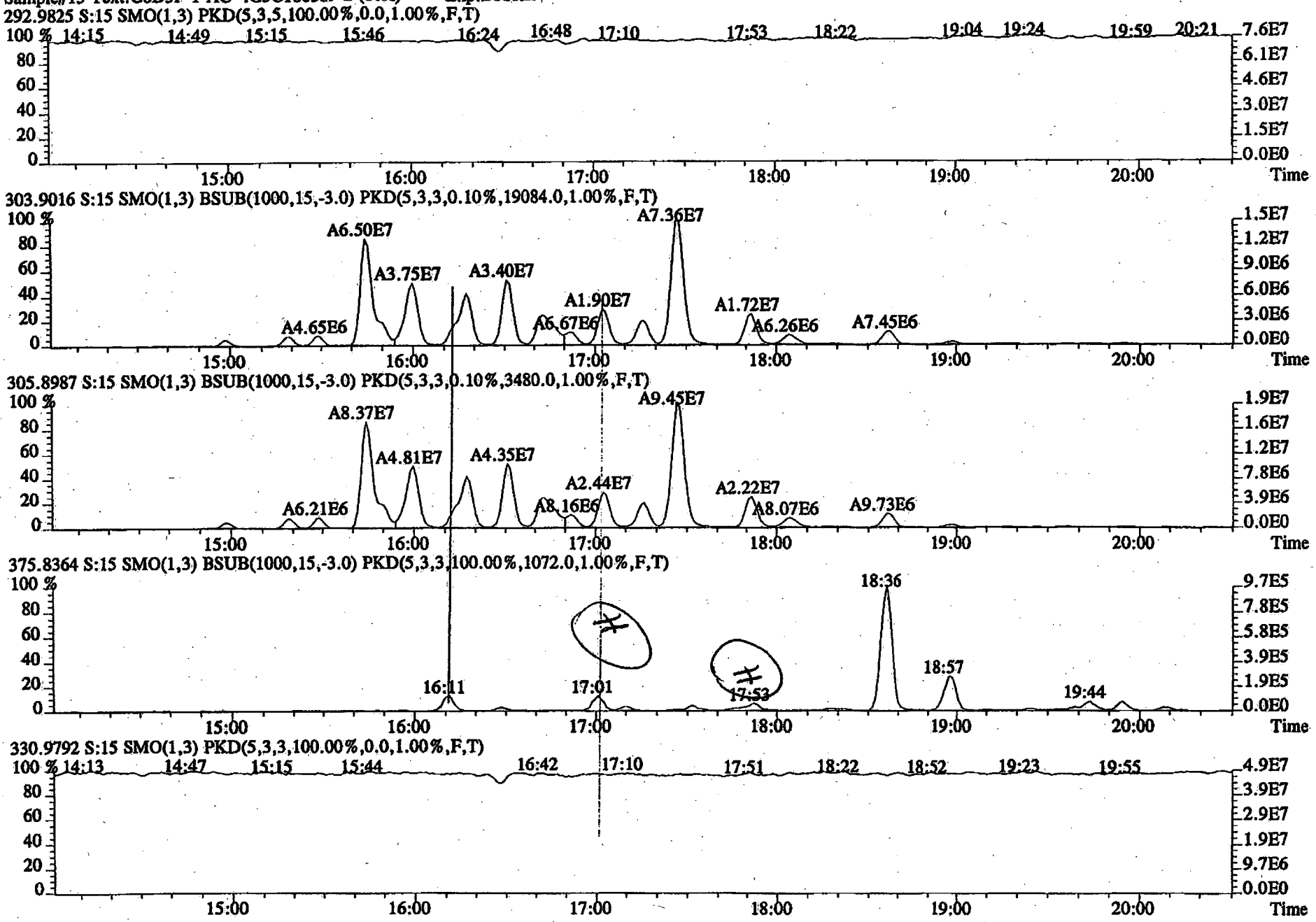


471.7750 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4040.0,1.00%,F,T)



916
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

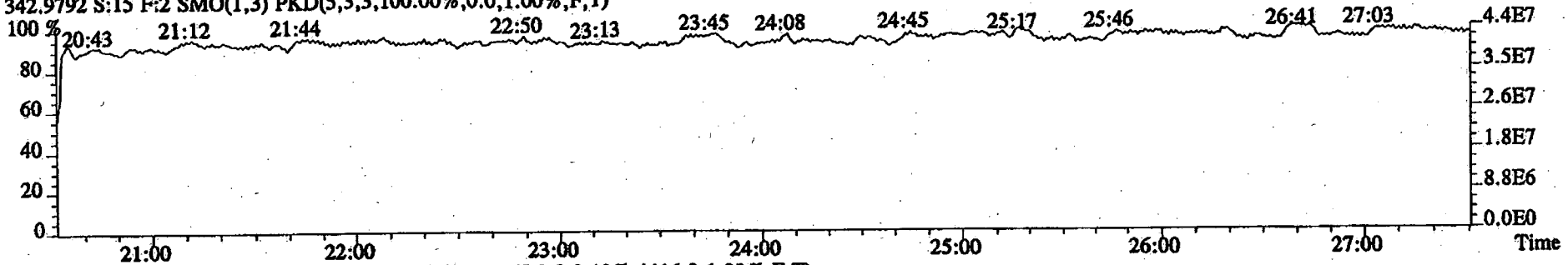


917

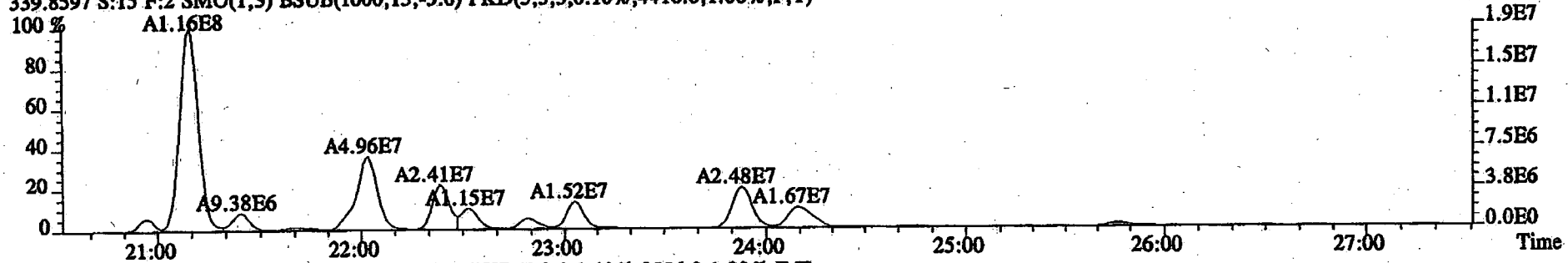
STL Edison

U855

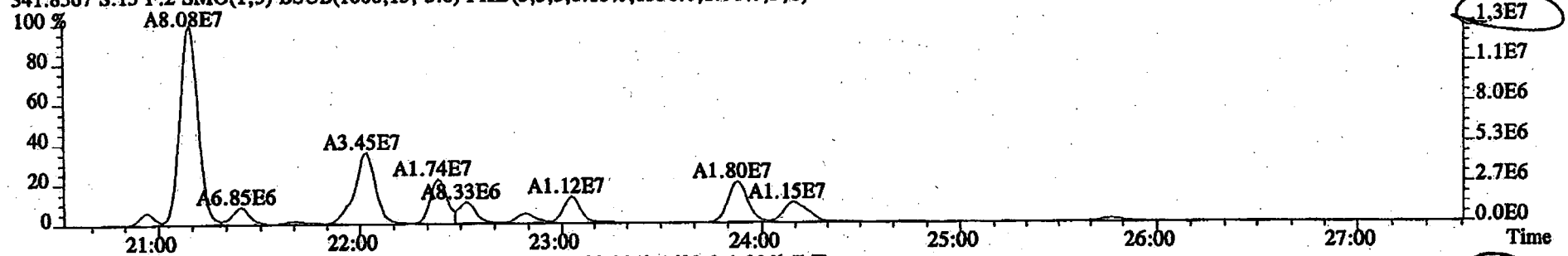
File:23MR059D5 #1-557 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN
342.9792 S:15 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



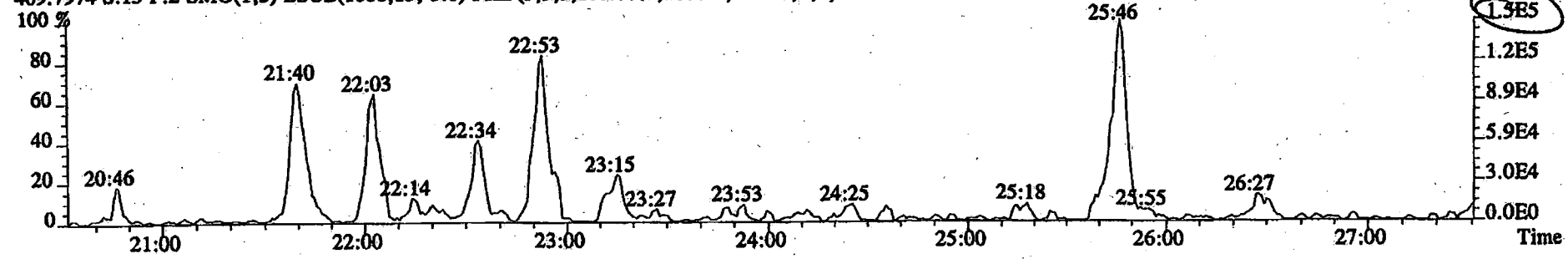
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)



341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



409.7974 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1600.0,1.00%,F,T)

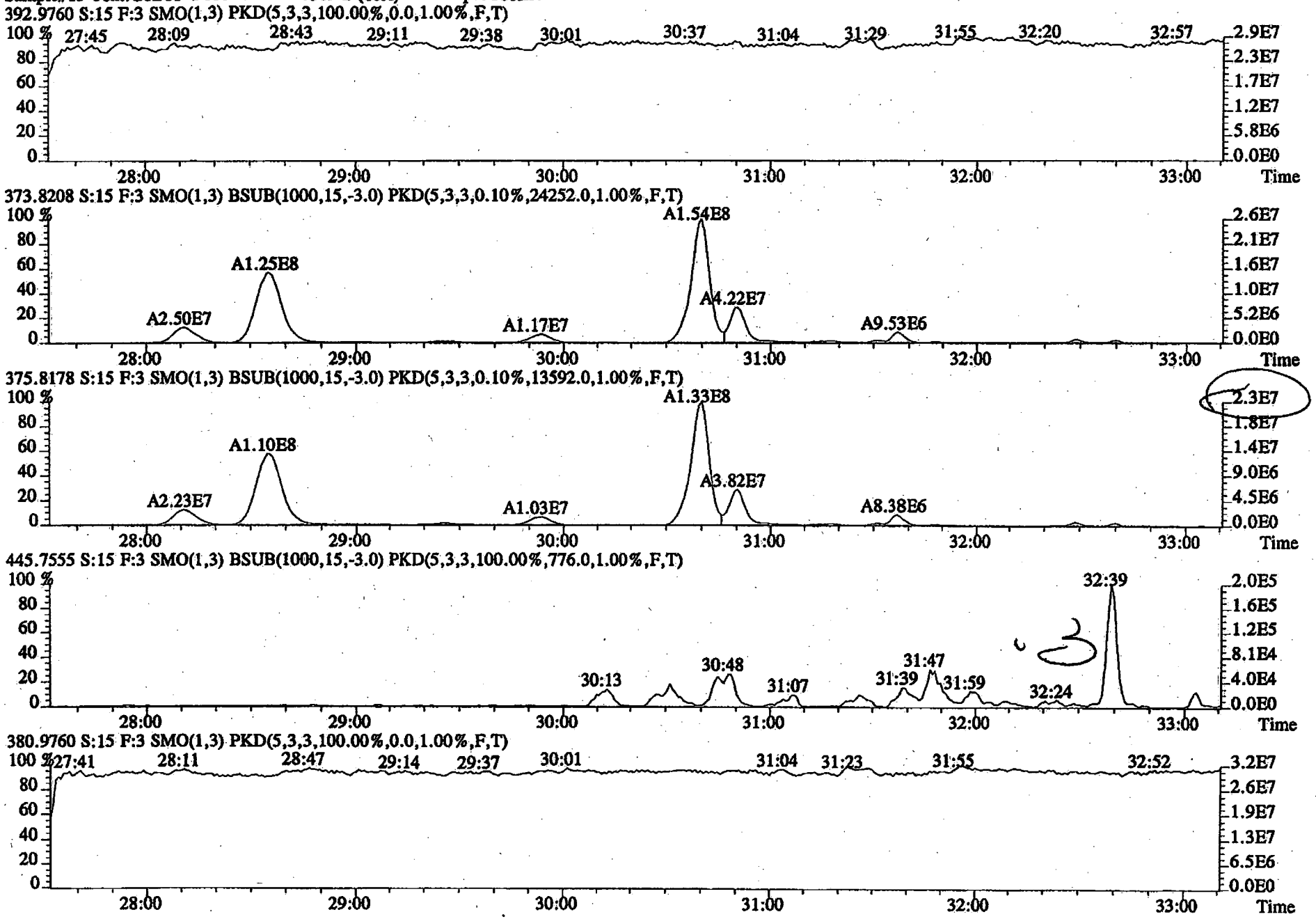


918

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

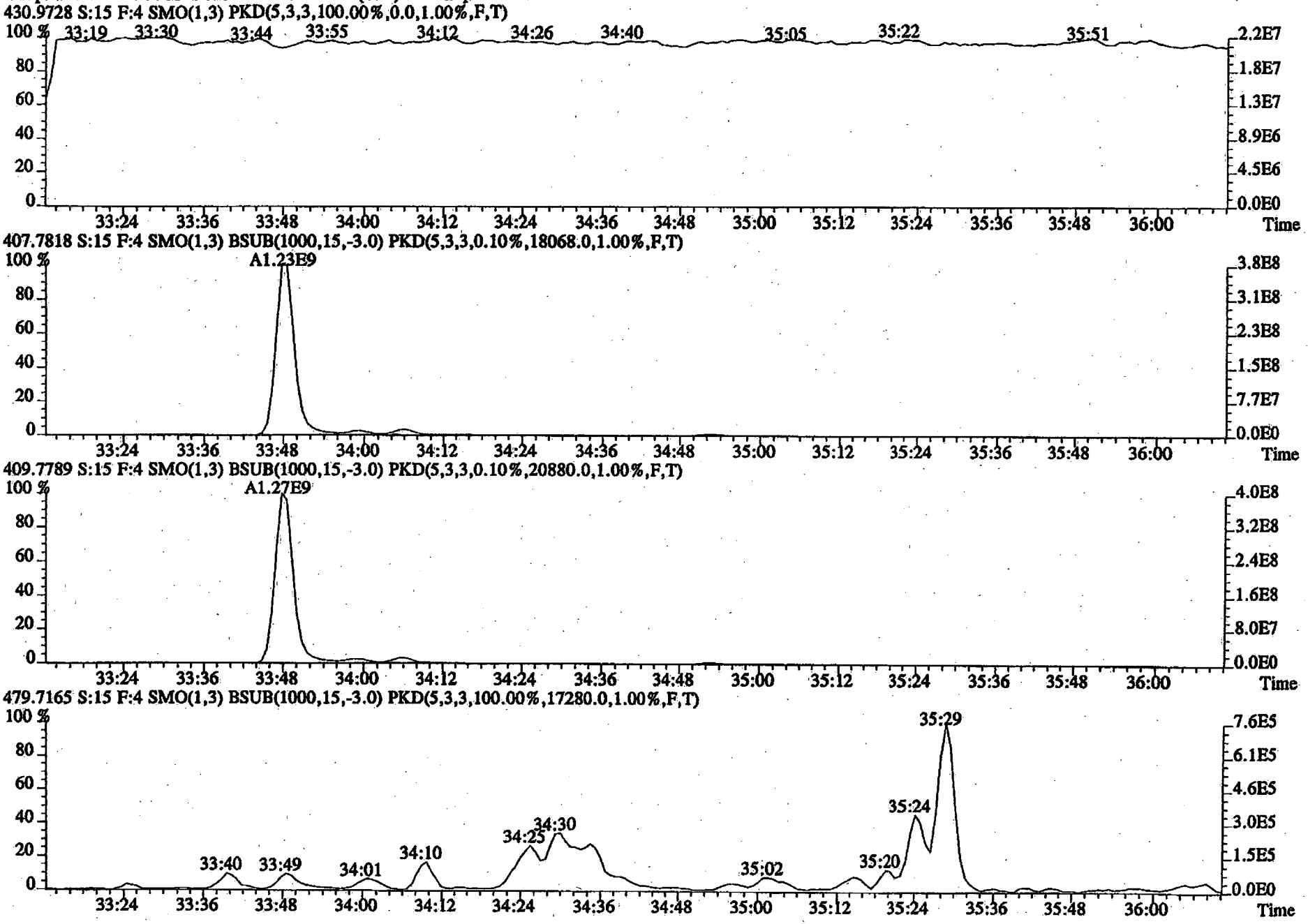


919

STL Edison

U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN

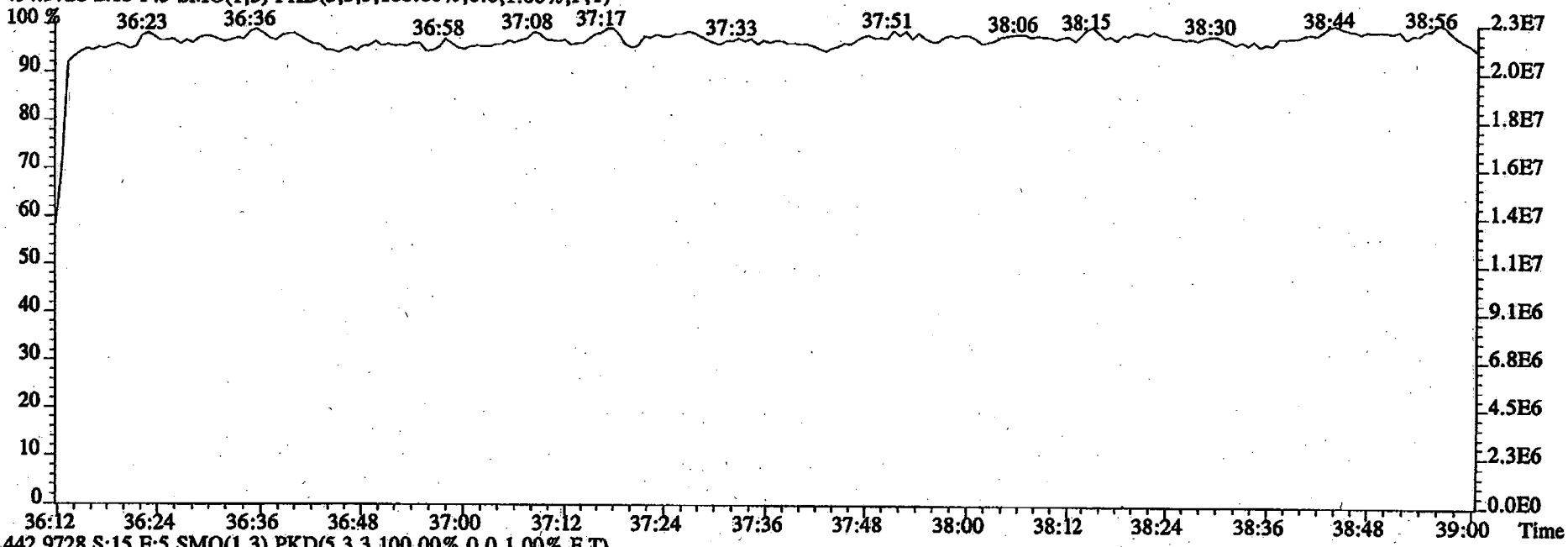


920

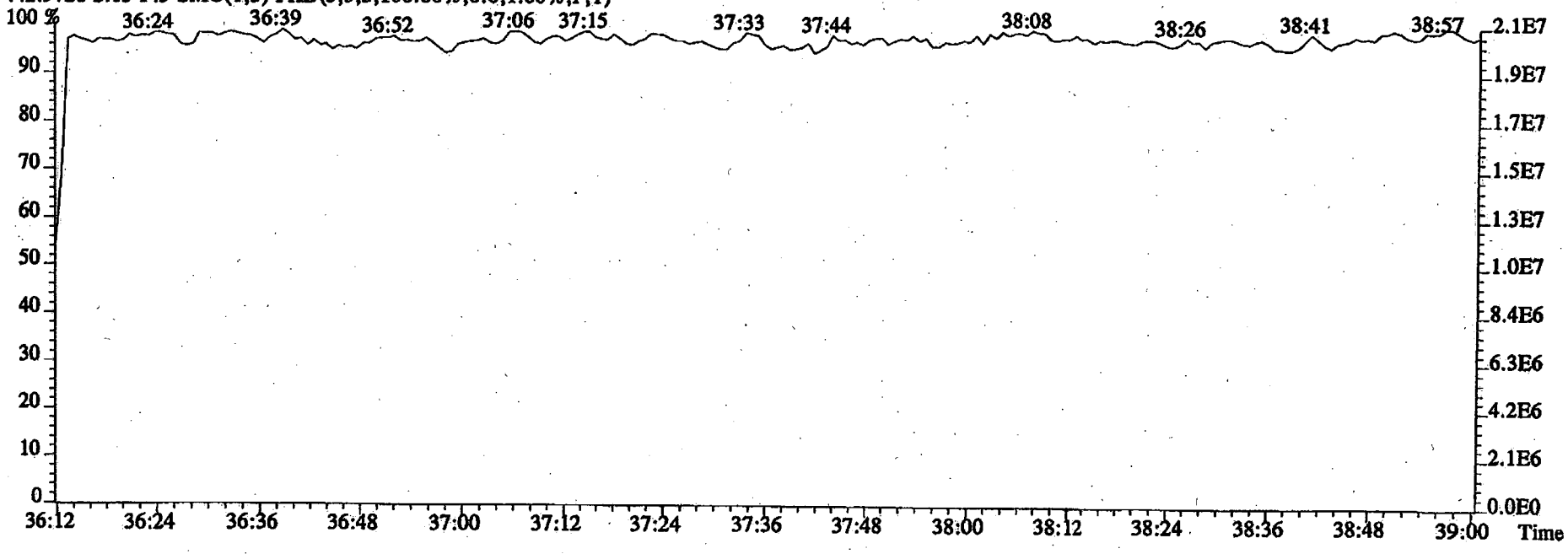
STL Edison

U855

File:23MR059D5 #1-228 Acq:24-MAR-2005 02:03:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DIOXIN
454.9728 S:15 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:15 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



921

STL Edison

U855

Run text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)
Run #31 Filename: 24MR057D2 S: 38 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 08:55:33 Processed: 25-MAR-05 12:33:51
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	11892290	0.85	y	12:04	-	0.81		-	-	n
13C-2,3,7,8-TCDF	13854050	0.87	y	13:00	1.74	133.85		3.95	66.9	n
2,3,7,8-TCDF	120551900	0.79	y	13:01	0.78	2227.73	con	7.85	-	y
13C-2,3,7,8-TCDD	7971270	0.76	y	11:50	1.10	121.91		3.00	61.0	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.83	*		32.44	-	n
37Cl-2,3,7,8-TCDD	3099960	1.00	y	11:51	0.97	53.59		8.62	67.0	n

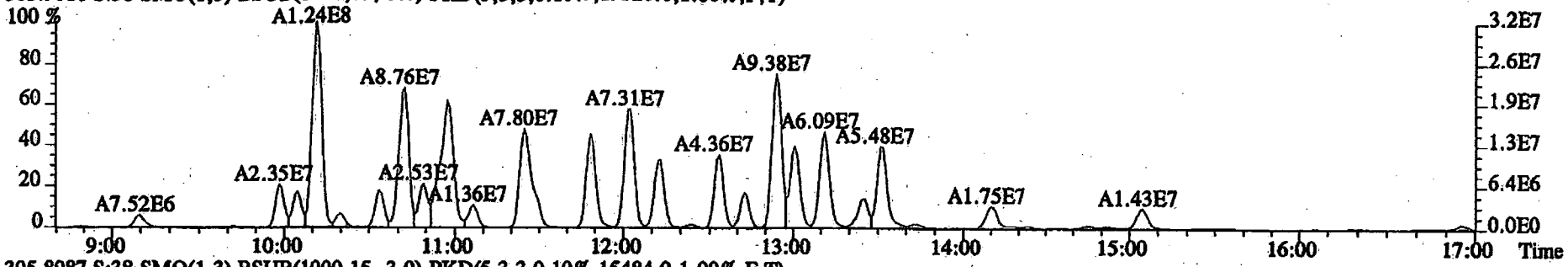
3/31/05

Run text: G6D3P-1-AC Sample text: G6D3P-1-AC :G5C160389-2 (10X)
Run #31 Filename: 24MR057D2 S: 38 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 08:55:33 Processed: 25-MAR-05 12:33:51
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

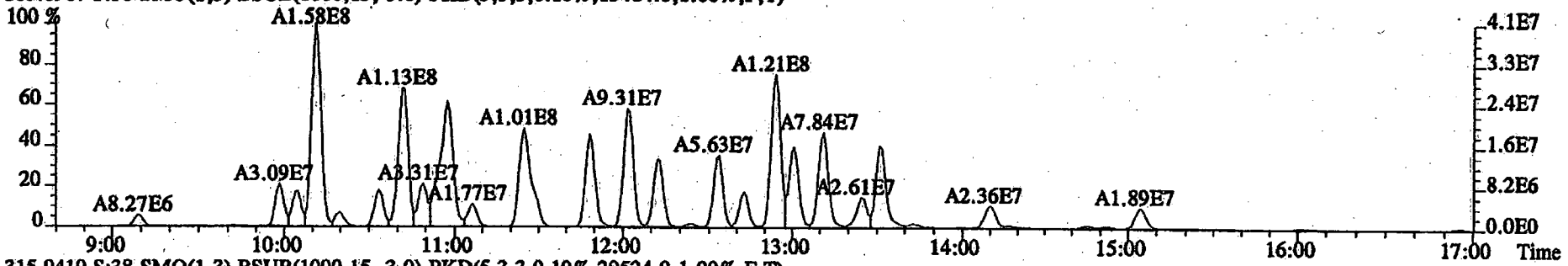
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	11892290	0.85	y	12:04	-	0.81	-	-	n
13C-2,3,7,8-TCDF	13854050	0.87	y	13:00	1.74	133.85	3.95	66.9	n
2,3,7,8-TCDF	214480000	0.78	y	12:54	0.78	3963.47	7.85	-	n
13C-2,3,7,8-TCDD	7971270	0.76	y	11:50	1.10	121.91	3.00	61.0	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.83	*	32.44	-	n
37Cl-2,3,7,8-TCDD	3099960	1.00	y	11:51	0.97	53.59	8.62	67.0	n

File:24MR057D2 #1-1168 Acq:25-MAR-2005 08:55:33 GC EI+ Voltage SIR 70S
Sample#38 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DB225

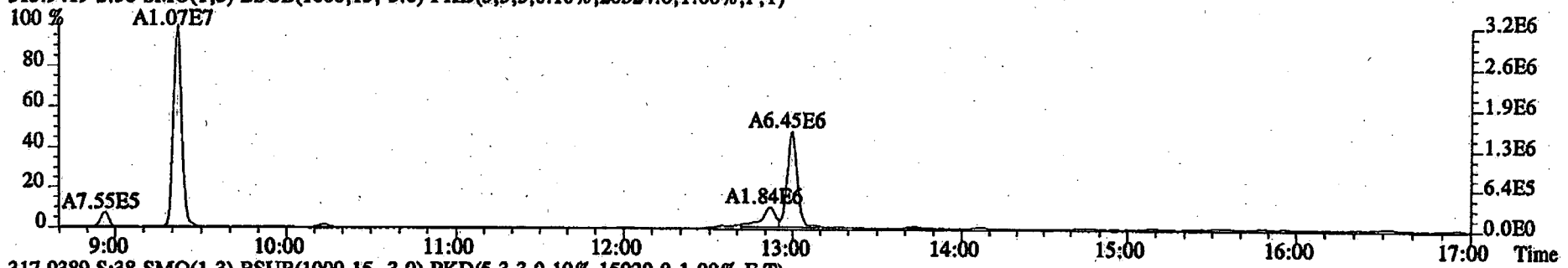
303.9016 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19520.0,1.00%,F,T)



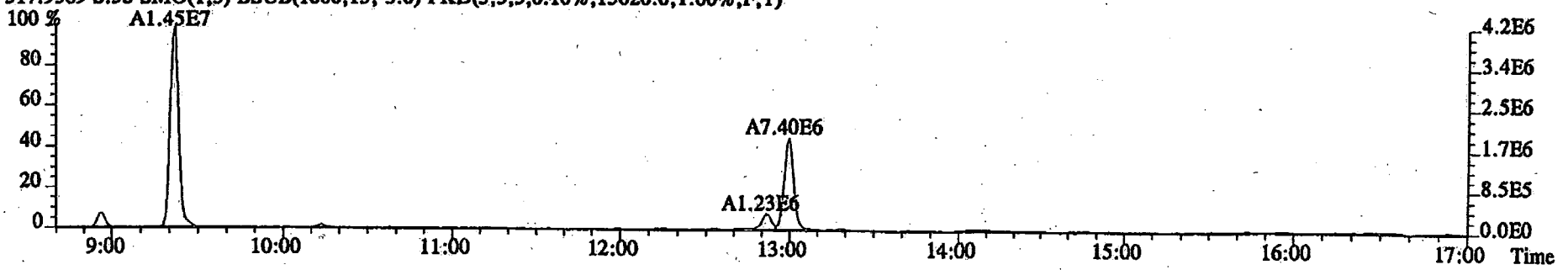
305.8987 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15484.0,1.00%,F,T)



315.9419 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20524.0,1.00%,F,T)

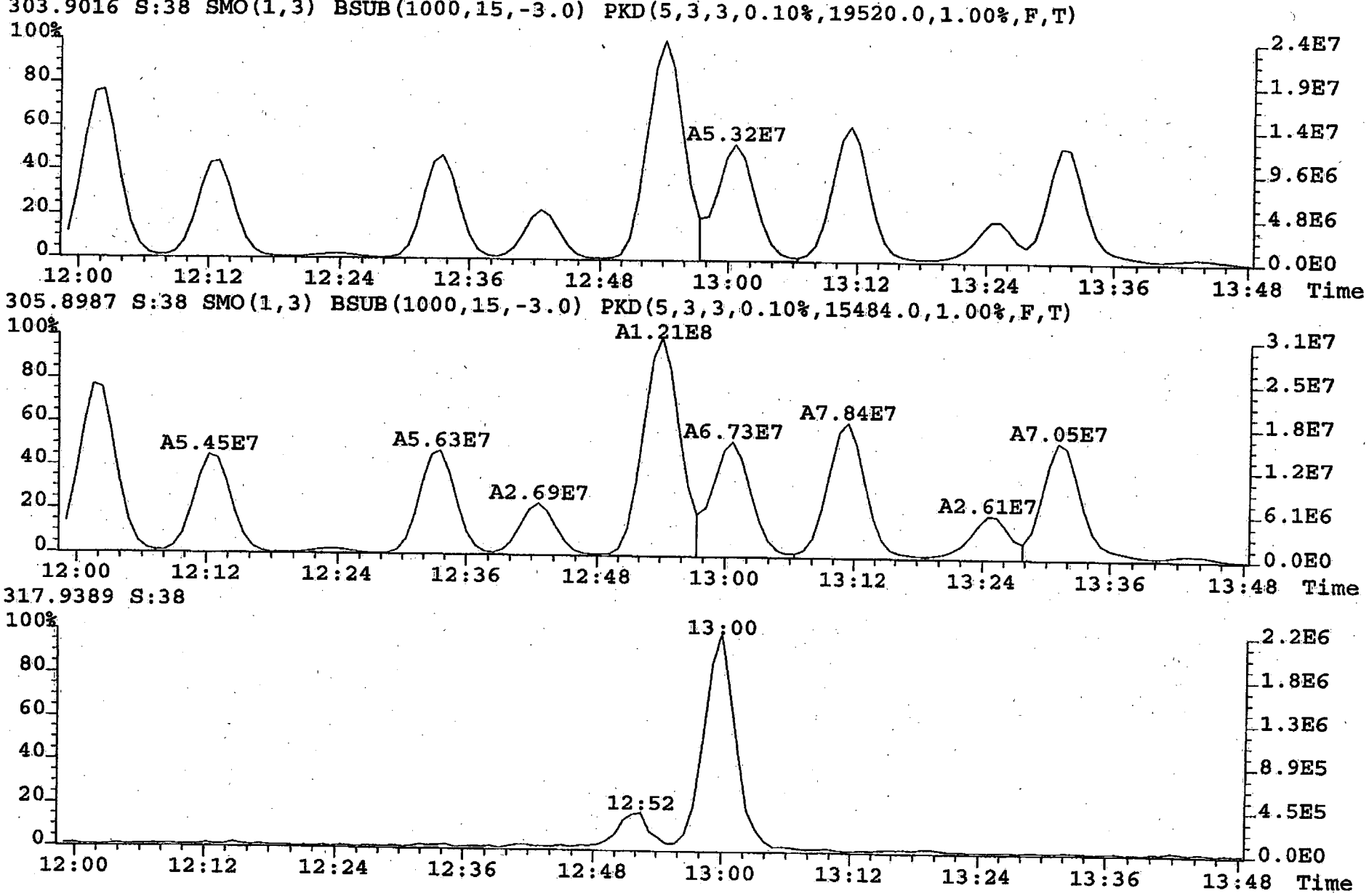


317.9389 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15020.0,1.00%,F,T)



924
STL Edison
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 08:55:33 GC EI+ Voltage SIR 70S
Sample#38 Text:G6D3P-1-AC :G5C160389-2 Exp:DB225

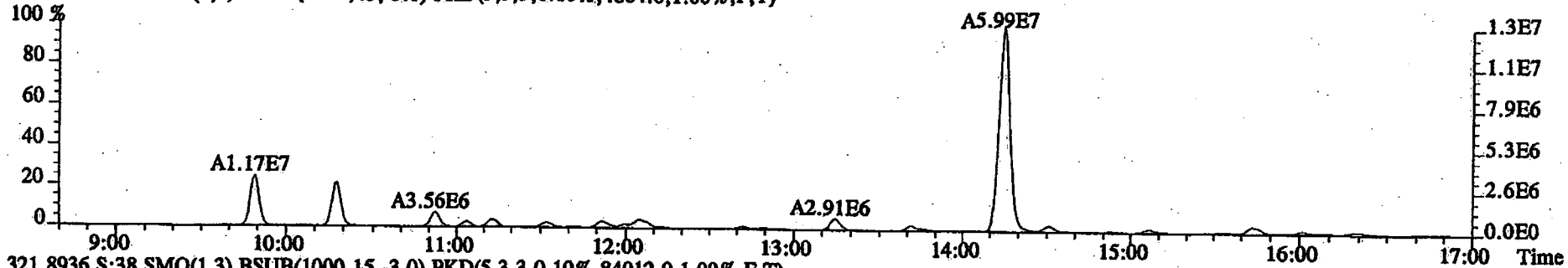


925

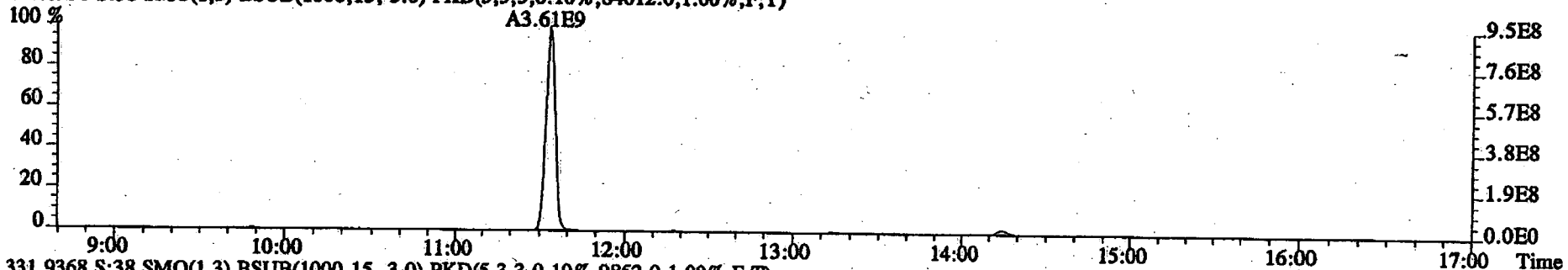
STL Edison

U855

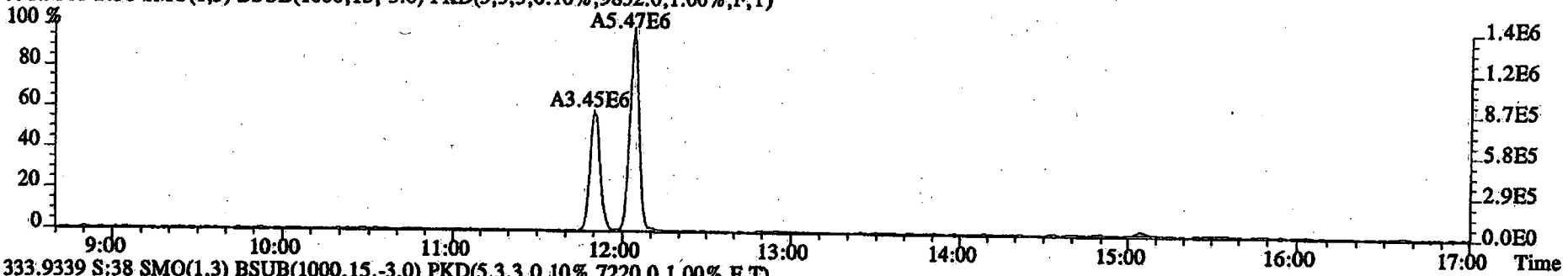
File:24MR057D2 #1-1168 Acq:25-MAR-2005 08:55:33 GC EI+ Voltage SIR 70S
Sample#38 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DB225
319.8965 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4864.0,1.00%,F,T)



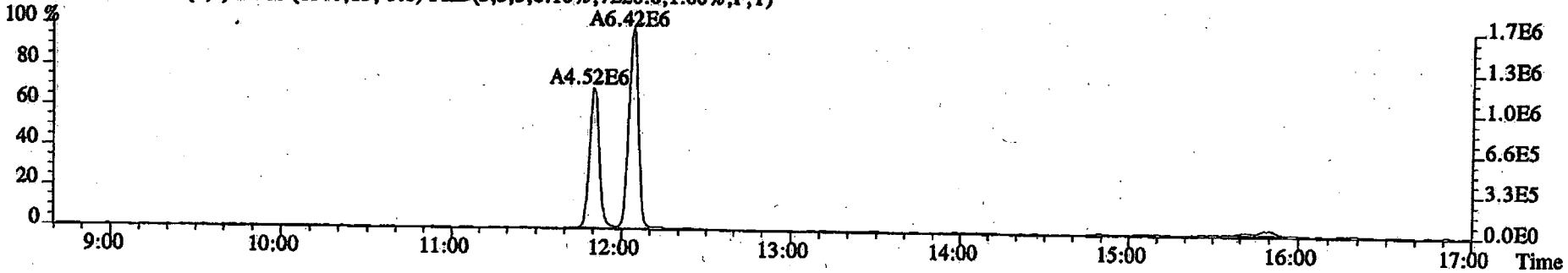
321.8936 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84012.0,1.00%,F,T)



331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9852.0,1.00%,F,T)

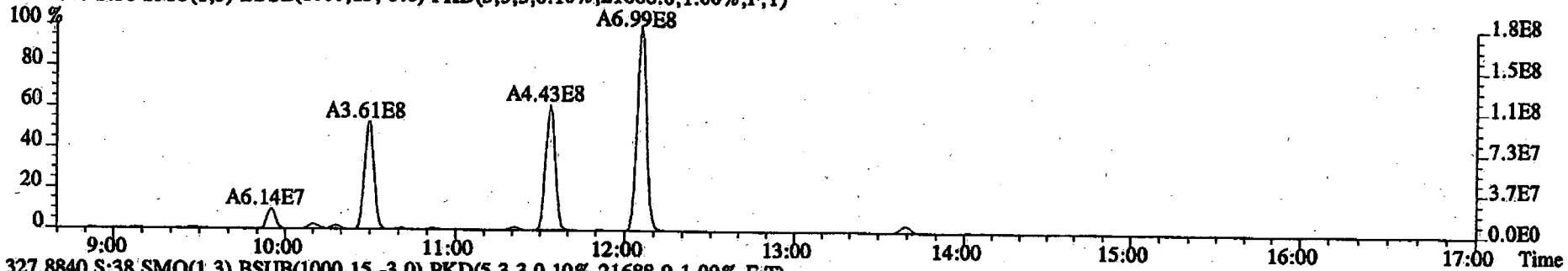


333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7220.0,1.00%,F,T)

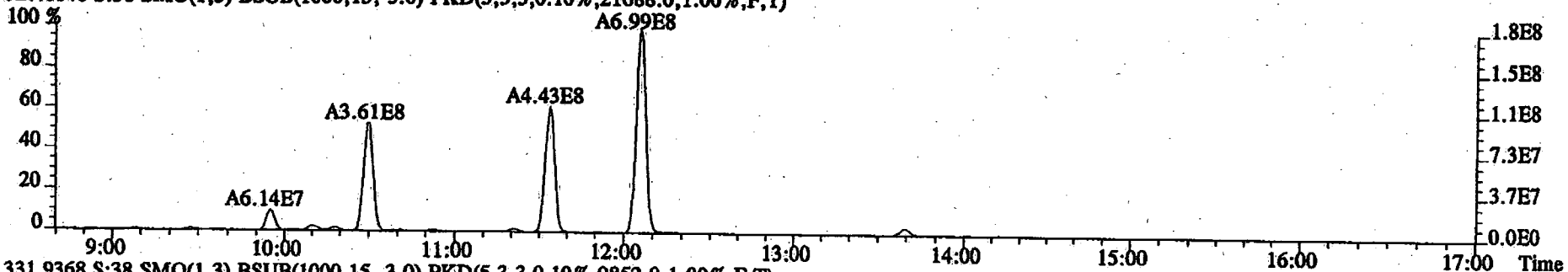


926
STL Edison
U855

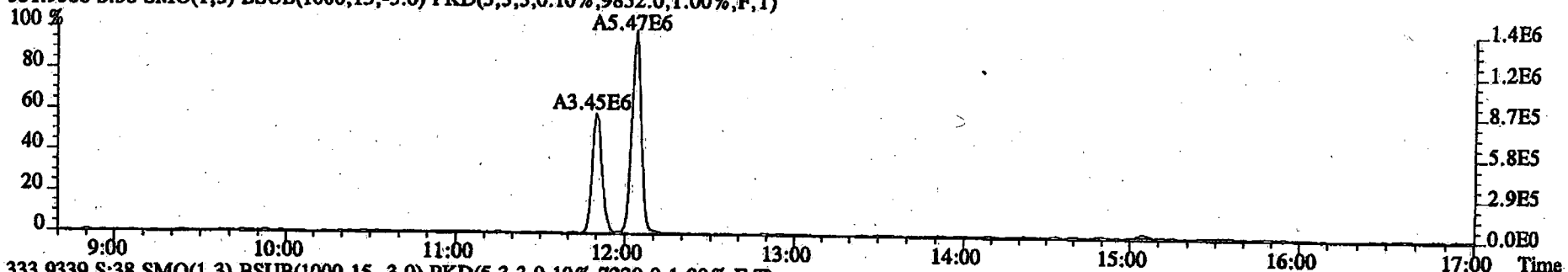
File:24MR057D2 #1-1168 Acq:25-MAR-2005 08:55:33 GC EI+ Voltage SIR 70S
Sample#38 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DB225
327.8840 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21688.0,1.00%,F,T)



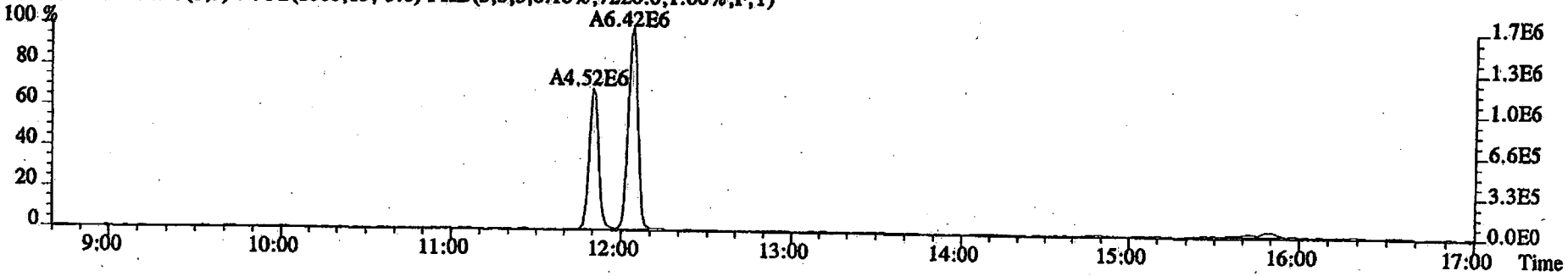
327.8840 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21688.0,1.00%,F,T)



331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9852.0,1.00%,F,T)



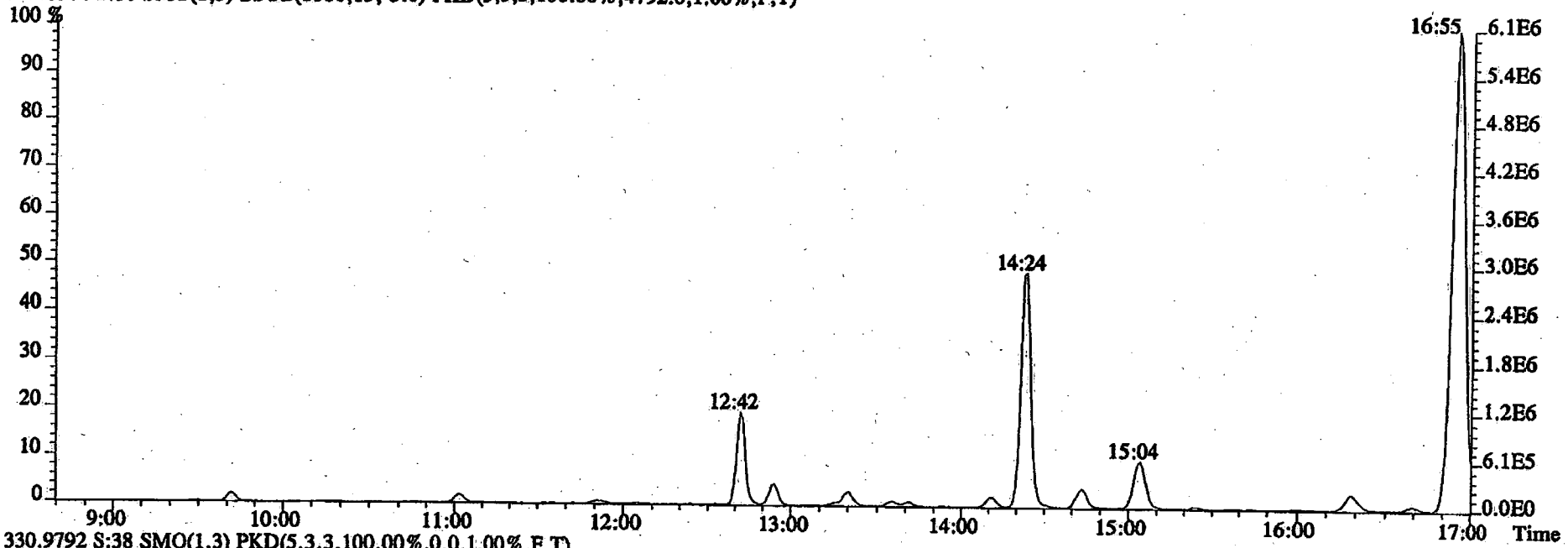
333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7220.0,1.00%,F,T)



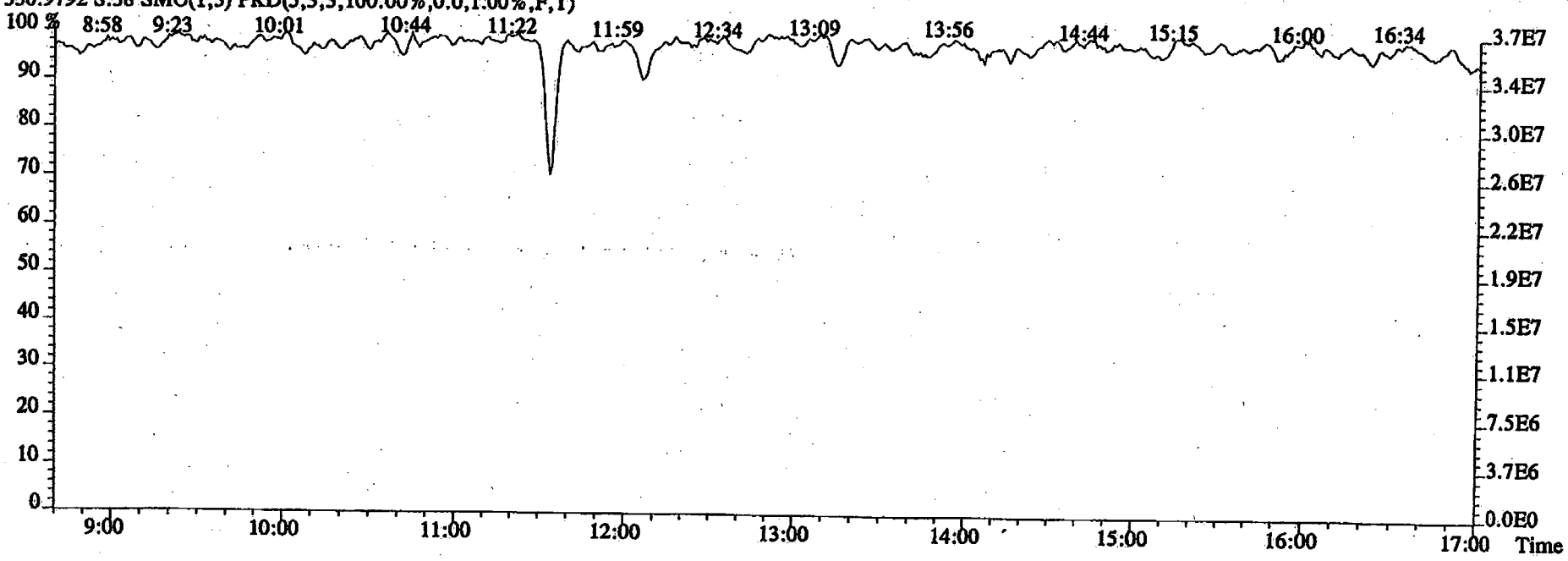
STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 08:55:33 GC EI+ Voltage SIR 70S
Sample#38 Text:G6D3P-1-AC :G5C160389-2 (10X) Exp:DB225
375.8364 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4792.0,1.00%,F,T)



330.9792 S:38 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



928

STL Edison

U855

Run text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)
Run #19 Filename: 23MR059D5 S: 16 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 02:44:49 Processed: 24-MAR-05 15:03:45
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g TDL 10/50/100
UCL 8000/40,000/80,000

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3609780	0.71	y	17:57	-	0.53	-	-	n
13C-2,3,7,8-TCDF	3696760	0.88	y	17:26	1.57	130.54	7.07	65.3	y
2,3,7,8-TCDF	119921700	0.78	y	17:28	0.79	8220.50 See DB225	23.44	-	n
Total TCDF	573252102	0.80	y	15:01	0.79	~~39295.82~~ 41361.44	23.44	-	n
13C-2,3,7,8-TCDD	2760940	0.75	y	18:09	1.07	142.62	15.16	71.3	n
2,3,7,8-TCDD	2410180	0.79	y	18:11	0.98	179.02	9.78	-	y
Total TCDD	17270933	0.80	y	16:13	0.98	1282.80	9.78	-	y
37Cl-2,3,7,8-TCDD	961024	1.00	y	18:11	1.02	52.45	16.66	65.6	n
13C-1,2,3,7,8-PeCDF	2565450	1.39	y	22:31	1.26	112.50	2.98	56.3	n
1,2,3,7,8-PeCDF	22554800	1.44	y	22:33	0.82	2151.59	9.33	-	n
2,3,4,7,8-PeCDF	42358600	1.41	y	23:53	0.84	3920.58	9.05	-	n
Total F2 PeCDF	494689513	1.41	y	20:58	0.83	~~46451.31~~ mrf 3/31/05	9.19	-	n
Total F1 PeCDF	77441278	0.59	n	15:18	0.83	~~7275.91~~ ~~52372.03~~ 53440.50	11.65	-	n
13C-1,2,3,7,8-PeCDD	1517730	1.53	y	24:36	0.80	104.98	2.97	52.5	n
1,2,3,7,8-PeCDD	1590123	1.49	y	24:38	1.03	203.19	52.21	-	n
Total PeCDD	57608870	0.39	n	21:03	1.03	~~7361.30~~ 1539.20	52.21	-	n
13C-1,2,3,7,8,9-HxCDD	2777360	1.36	y	32:14	-	0.39	-	-	y
13C-1,2,3,4,7,8-HxCDF	2129128	0.50	y	30:40	1.04	148.10	7.51	74.1	n
1,2,3,4,7,8-HxCDF	435591000	1.13	y	30:41	1.04	39282.50	39.70	-	y
1,2,3,6,7,8-HxCDF	133235700	1.15	y	30:51	1.09	11515.35	38.05	-	n
2,3,4,6,7,8-HxCDF	24618900	1.13	y	31:38	1.00	2310.94	41.32	-	n
1,2,3,7,8,9-HxCDF	659799	1.07	y	32:25	0.95	65.25 J	43.54	-	y
Total HxCDF	1207142597	1.14	y	28:12	1.02	109644.27	40.55	-	y
13C-1,2,3,6,7,8-HxCDD	1437907	1.42	y	31:54	0.86	121.04	8.52	60.5	y
1,2,3,4,7,8-HxCDD	1264583	1.27	y	31:49	0.93	188.59	15.88	-	n
1,2,3,6,7,8-HxCDD	9212750	1.20	y	31:55	0.98	1309.90	15.14	-	n
1,2,3,7,8,9-HxCDD	2639860	1.21	y	32:14	1.01	365.14	14.73	-	y
Total HxCDD	65082016	1.16	y	29:46	0.97	9298.46	15.24	-	y
13C-1,2,3,4,6,7,8-HpCDF	6660317	1.3[illegible]	n	33:49	0.97	496.70	4.73	248.4	n
1,2,3,4,6,7,8-HpCDF	4672270000	0.99	y	33:49	1.13	123810.83 E	10.53	-	n
1,2,3,4,7,8,9-HpCDF	44507800	0.99	y	34:53	1.03	1298.38	11.59	-	n
Total HpCDF	5026617500	0.99	y	33:49	1.08	133713.90	11.04	-	n
13C-1,2,3,4,6,7,8-HpCDD	2211560	1.13	y	34:36	0.98	163.11	14.87	81.6	n
1,2,3,4,6,7,8-HpCDD	158907400	1.02	y	34:36	0.86	16758.27	15.88	-	n
Total HpCDD	271585621	0.42	n	33:30	0.86	28641.24	15.88	-	n
13C-OCDD	4612030	1.00	y	36:57	0.92	359.17	10.49	89.8	n

OCDF	3221370000	0.86	y	37:02	1.03	271073.34 E	40.63	-	n
OCDD	827993000	0.90	y	36:57	0.91	78672.05	16.47	-	n

Run text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)
Run #19 Filename: 23MR059D5 S: 16 I: 1 Results: 23MR059D58290
Acquired: 24-MAR-05 02:44:49 Processed: 24-MAR-05 15:03:45
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000g TDL 10|50|100

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	3609780	0.71	y	17:57	-	0.53	-	-	n
13C-2,3,7,8-TCDF	3424065	0.94	n	17:26	1.57	120.91	7.07	60.5	n
2,3,7,8-TCDF	119921700	0.78	y	17:28	0.79	8875.19 See 8875	25.79	-	n
Total TCDF	573252102	0.80	y	15:01	0.79	~~42425.36~~ 41361.44	25.79	-	n
13C-2,3,7,8-TCDD	2760940	0.75	y	18:09	1.07	142.62	15.16	71.3	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	9.78	-	n
Total TCDD	13378395	0.80	y	16:13	0.98	993.68	9.78	-	n
37Cl-2,3,7,8-TCDD	961024	1.00	y	18:11	1.02	52.45	16.66	65.6	n
13C-1,2,3,7,8-PeCDF	2565450	1.39	y	22:31	1.26	112.50	2.98	56.3	n
1,2,3,7,8-PeCDF	22554800	1.44	y	22:33	0.82	2151.59	9.33	-	n
2,3,4,7,8-PeCDF	42358600	1.41	y	23:53	0.84	3920.58	9.05	-	n
Total F2 PeCDF	494689513	1.41	y	20:58	0.83	~~46451.31~~ 52372.03	9.19	-	n
Total F1 PeCDF	77441278	0.59	n	15:18	0.83	~~7275.91~~	11.65	-	n
13C-1,2,3,7,8-PeCDD	1517730	1.53	y	24:36	0.80	104.98	2.97	52.5	n
1,2,3,7,8-PeCDD	1590123	1.49	y	24:38	1.03	203.19	52.21	-	n
Total PeCDD	57608870	0.39	n	21:03	1.03	~~7361.30~~ 1539.20	52.21	-	n
13C-1,2,3,7,8,9-HxCDD	2803930	1.39	y	32:14	-	0.40	-	-	n
13C-1,2,3,4,7,8-HxCDF	2129128	0.50	y	30:40	1.04	146.70	7.56	73.3	n
1,2,3,4,7,8-HxCDF	475872000	1.13	y	30:41	1.04	42915.12	39.70	-	n
1,2,3,6,7,8-HxCDF	133236700	1.15	y	30:51	1.09	11515.44	38.05	-	n
2,3,4,6,7,8-HxCDF	24618900	1.13	y	31:38	1.00	2310.94	41.32	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.95	*	43.54	-	n
Total HxCDF	1206132733	1.14	y	28:12	1.02	109468.89	40.55	-	n
13C-1,2,3,6,7,8-HxCDD	1312712	1.47	n	31:54	0.86	109.46	8.57	54.7	n
1,2,3,4,7,8-HxCDD	1264583	1.27	y	31:49	0.93	206.58	17.49	-	n
1,2,3,6,7,8-HxCDD	9212750	1.20	y	31:55	0.98	1434.83	16.67	-	n
1,2,3,7,8,9-HxCDD	4547420	1.36	y	32:14	1.01	688.98	16.22	-	n
Total HxCDD	69398954	0.50	n	28:36	0.97	10851.87	16.78	-	n
13C-1,2,3,4,6,7,8-HpCDF	6660317	1.30	n	33:49	0.97	492.00	4.76	246.0	n
1,2,3,4,6,7,8-HpCDF	4672270000	0.99	y	33:49	1.13	123810.83	10.53	-	n
1,2,3,4,7,8,9-HpCDF	44507800	0.99	y	34:53	1.03	1298.38	11.59	-	n
Total HpCDF	5026617500	0.99	y	33:49	1.08	133713.90	11.04	-	n
13C-1,2,3,4,6,7,8-HpCDD	2211560	1.13	y	34:36	0.98	161.56	14.95	80.8	n
1,2,3,4,6,7,8-HpCDD	158907400	1.02	y	34:36	0.86	16758.27	15.88	-	n
Total HpCDD	271585621	0.42	n	33:30	0.86	~~28641.24~~ 28378.03	15.88	-	n
13C-OCDD	4612030	1.00	y	36:57	0.92	355.76	10.55	88.9	n

OCDF	3221370000	0.86	y	37:02	1.03	271073.34	40.63	-	n
OCDD	827993000	0.90	y	36:57	0.91	78672.05	16.47	-	n

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:23
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 424253.64 of which 88751.91 named and 335501.74 unnamed
Conc: 42425.36 of which 8875.19 named and 33550.17 unnamed

← 1063.92

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:01	0.80	y	468.50	2807610	51.6	y	n
						3522740	83.5	y	n
	2	15:20	0.76	y	518.57	3036510	52.3	y	n
						3970350	89.0	y	n
	3	15:31	0.79	y	547.05	3269240	61.7	y	n
						4122450	95.8	y	n
	4	15:46	0.78	y	7767.18	45938500	685.0	y	n
						59011700	1149.6	y	n
	5	16:02	0.76	y	5236.38	30472600	476.2	y	n
						40281400	804.5	y	n
	6	16:19	0.79	y	3903.44	23291900	265.5	y	n
						29451400	428.7	y	n
	7	16:32	0.78	y	4367.79 H	25874000	434.2	y	n
						33143700	720.5	y	n
	8	16:44	0.82	y	2800.06	17042600	190.9	y	n
						20791900	304.7	y	n
	9	16:54	0.64	n	553.42 JA	3253050	58.9	y	n
						5091820	98.9	y	n
	10	17:04	0.78	y	2359.28 H	13947200	228.9	y	n
						17931400	374.1	y	n
	11	17:18	0.80	y	1388.66	8329660	126.1	y	n
						10433900	207.7	y	n
2,3,7,8-TCDF	12	17:28	0.78	y	8875.19	52498500	781.6	y	n
						67423200	1291.5	y	n
	13	17:53	0.79	y	1796.93 H	10697100	159.4	y	n
						13583100	261.7	y	n
	14	18:06	0.78	y	657.91	3903240	52.0	y	n
						4986400	85.6	y	n
	15	18:20	0.73	y	64.82	368134	4.4	y	n
						507732	6.7	y	n

16	18:38	0.78	y	646.91	3835570	58.7	y	n
					4905510	100.0	y	n
17	19:00	0.77	y	125.12	733554	11.1	y	n
					957123	18.6	y	n
18	19:11	1.25	n	11.41	108677	1.8	n	n
					87107	2.2	n	n
19	19:17	0.71	y	56.27	316932	4.7	y	n
					443413	7.7	y	n
20	19:38	0.77	y	108.71	638000	6.9	y	n
					830847	11.5	y	n
21	19:45	0.84	y	42.90	265172	3.6	y	n
					314524	5.7	y	n
22	19:56	0.72	y	92.54	521623	7.6	y	n
					728754	12.7	y	n
23	20:11	0.86	y	36.33	226371	2.9	n	n
					264573	4.5	y	n

OW

Totals Results STL Sacramento Page 2 of 9

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:4
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	9936.85 of which	* named and	9936.85	unnamed	
Conc:	993.68 of which	* named and	993.68	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:13	0.80	y	295.46	1763000	155.5	y	n
						2214930	93.8	y	n
	2	16:29	0.00	n	102.31	599231	37.3	y	n
						1756370000	69637.8	y	n
	3	17:02	0.62	n	511.12	2993640	224.5	y	n
						4846970	166.7	y	n
	4	17:38	0.16	n	84.79	496597	40.8	y	n
						3061420	96.9	y	n

See pg 2A

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? yes #Hom:7
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 12828.05 of which 1790.17 named and 11037.88 unnamed
Conc: 1282.80 of which 179.02 named and 1103.79 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N >?	Mod?	
	1	16:13	0.80	y	295.46	1763000	155.5	y	n
						2214940	93.8	y	n
	2	17:02	0.62	n	511.12 JA	2993640	224.5	y	n
						4846970	166.7	y	n
	3	17:38	0.77	y	84.23	493641	40.8	y	y
						640365	34.6	y	y
	4	18:04	0.70	y	130.85	725284	36.6	y	n
						1036470	20.9	y	y
2,3,7,8-TCDD	5	18:11	0.79	y	179.02	1062230	76.4	y	n
						1347950	44.5	y	y
	6	18:20	0.60	n	18.31 JA	107221	7.6	y	n
						179989	5.7	y	y
	7	18:32	0.70	y	63.81	354973	25.6	y	n
						504127	15.7	y	y

Pg 2A

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 464513.13 of which 60721.66 named and 403791.47 unnamed
Conc: 46451.31 of which 6072.17 named and 40379.15 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:58	1.41	y	1104.05	6879430	616.0	y	n
						4871510	282.5	y	n
	2	21:11	1.42	y	20974.77	131049000	10061.7	y	n
						92196300	4528.0	y	n
	3	21:25	1.46	y	1414.12	8929120	679.5	y	n
						6122050	304.8	y	n
	4	21:40	1.50	y	~~311.49~~ ok no PPE DPG	~~1987460~~	106.0	y	n
						1327930	44.9	y	n
	5	22:03	1.42	y	6624.19 H	41399100	2593.9	y	n
						29105600	1156.0	y	n
	6	22:25	1.43	y	3584.08	22464100	1821.3	y	n
						15683100	795.4	y	n
1,2,3,7,8-PeCDF	7	22:33	1.44	y	2151.59	13307400	984.9	y	n
						9247400	446.7	y	n
	8	22:50	1.40	y	~~756.98~~ ok No PPE DPG	~~4701280~~	321.1	y	n
						3355680	146.0	y	n
	9	23:04	1.42	y	2943.16	18405600	1313.7	y	n
						12920000	597.2	y	n
2,3,4,7,8-PeCDF	10	23:53	1.41	y	3920.58	24746200	1744.2	y	n
						17612400	808.3	y	n
	11	24:12	1.43	y	2468.82	15468400	724.9	y	n
						10808500	322.4	y	n
	12	24:45	0.82	n	~~41.01~~	265288	22.0	y	n
						325368	14.3	y	n
	13	25:47	1.21	n	~~156.48~~ DPG	~~1012370~~	57.4	y	n
						833992	26.6	y	n

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:4
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49

Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	72759.11 of which	* named and	72759.11	unnamed
Conc:	7275.91 of which	* named and	7275.91	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:18	0.59	n	9.04	58512	4.9	y	n
						98489	6.4	y	n
	2	16:29	1.67	y	51.74	344667	25.1	y	n
						205986	12.1	y	n
	3	18:38	0.88	n	28.46	184094	12.5	y	n
						208777	11.7	y	n
	4	19:36	1.57	y	7186.68	46714100	2771.3	y	n
						29777400	1473.6	y	n

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:14
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D5

Amount: 73613.03 of which 2031.87 named and 71581.16 unnamed
Conc: 7361.30 of which 203.19 named and 7158.12 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:03	0.39	n	8.18	38899	1.1	n	n
						100219	1.9	n	n
	2	21:15	0.72	n	299.57	1425040	30.1	y	n
						1987860	35.4	y	n
	3	21:22	0.76	n	894.86	4256780	80.0	y	n
						5573200	81.5	y	n
	4	22:08	1.32	y	72.58	323257	6.6	y	n
						244735	4.3	y	n
	5	22:34	1.56	y	433.76	2068360	43.4	y	n
						1326220	20.7	y	n
	6	22:49	1.82	n	251.43 JA	1406390	24.2	y	n
						771633	11.7	y	n
	7	23:08	1.59	y	250.27	1203770	25.4	y	n
						754782	11.1	y	n
	8	23:20	0.60	n	4538.77	21590600	412.1	y	n
						36047500	512.0	y	n
	9	23:38	1.18	n	224.21 JA	1066530	13.7	y	n
						904896	7.2	y	n
	10	24:00	1.74	y	103.76	515318	9.5	y	n
						296675	4.2	y	n
	11	24:24	0.38	n	23.31	110882	3.4	y	n
						294842	4.6	y	n
1,2,3,7,8-PeCDD	12	24:38	1.49	y	203.19	951955	18.3	y	n
						638168	8.4	y	n
	13	24:55	2.80	n	24.53	210508	4.1	y	n
						75280	1.8	n	n
	14	25:38	2.27	n	32.90	229282	4.6	y	n
						100959	1.7	n	n

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:13
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 1094688.89 of which 567414.95 named and 527273.95 unnamed
Conc: 109468.89 of which 56741.49 named and 52727.39 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:12	1.14	y	7042.62	40726500	340.7	y	n
						35727700	322.2	y	n
	2	28:36	1.14	y	38725.18	223509000	1816.6	y	n
						196889000	1694.8	y	n
	3	29:02	1.01	n	583.64	3507430	25.6	y	n
						3475140	24.2	y	n
	4	29:27	1.05	n	705.40	4239100	36.0	y	n
						4028240	35.3	y	n
	5	29:54	1.14	y	3623.78	20943700	197.6	y	n
						18395800	189.1	y	n
1,2,3,4,7,8-HxCDF	6	30:41	1.13	y	42915.12	252299000	2947.2	y	n
						223573000	2780.3	y	n
1,2,3,6,7,8-HxCDF	7	30:51	1.15	y	11515.44	71250800	839.2	y	n
						61985900	793.5	y	n
	8	31:19	1.61	n	560.45	4362310	35.7	y	n
						2716150	29.1	y	n
	9	31:32	1.11	y	426.05	2435970	42.9	y	n
						2189210	41.1	y	n
2,3,4,6,7,8-HxCDF	10	31:38	1.13	y	2310.94	13058500	199.3	y	n
						11560400	187.8	y	n
	11	31:49	1.10	y	94.78 ok	539157	8.1	y	n
						489787	7.9	y	n
	12	32:30	1.09	y	800.97	4529100	76.5	y	n
						4166130	73.3	y	n
	13	32:41	1.15	y	164.53 OW	957194	19.9	y	n
						828977	17.4	y	n

See pg 6A

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 1096442.75 of which 531740.36 named and 564702.38 unnamed
Conc: 109644.27 of which 53174.04 named and 56470.24 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:12	1.14	y	7042.63	40726600	340.7	y	n
						35727700	322.2	y	n
	2	28:36	1.14	y	38725.18	223509000	1816.6	y	n
						196889000	1694.8	y	n
	3	29:02	1.01	n	583.66 JA	3507510	25.6	y	y
						3475210	24.2	y	y
	4	29:27	1.05	n	705.40 JA	4239140	36.0	y	n
						4028230	35.3	y	n
	5	29:54	1.14	y	3623.78	20943700	197.6	y	n
						18395800	189.1	y	n
	6	30:37	1.09	y	3788.16	21483900	735.5	y	y
						19640100	712.3	y	y
1,2,3,4,7,8-HxCDF	7	30:41	1.13	y	39282.50	231201000	2948.1	y	y
						204390000	2781.7	y	y
1,2,3,6,7,8-HxCDF	8	30:51	1.15	y	11515.35	71250700	839.2	y	n
						61985000	793.5	y	n
	9	31:19	1.17	y	746.59	4362310	35.7	y	n
						3742620	34.1	y	y
	10	31:32	1.11	y	426.05	2435960	42.9	y	n
						2189220	41.1	y	n
2,3,4,6,7,8-HxCDF	11	31:38	1.13	y	2310.94	13058500	199.3	y	n
						11560400	187.8	y	n
	12	31:49	1.10	y	94.78	539142	8.1	y	y
						489788	7.9	y	n
1,2,3,7,8,9-HxCDF	13	32:25	1.07	y	65.25	341435	8.0	y	y
						318364	7.9	y	y
	14	32:30	1.09	y	734.01	4150610	76.5	y	y
						3817800	73.4	y	y

PG 6A

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:11
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 108518.75 of which 23303.94 named and 85214.81 unnamed
Conc: 10851.87 of which 2330.39 named and 8521.48 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:36	0.50	n	404.57	1429030	40.3	y	n
						2860510	81.6	y	n
	2	29:29	0.46	n	192.42	679693	18.2	y	n
						1463240	40.8	y	n
	3	29:46	1.16	y	1566.65	5362490	146.4	y	n
						4634060	144.1	y	n
	4	30:44	1.17	y	1918.71	6605160	251.6	y	n
						5637820	247.0	y	n
	5	31:05	1.17	y	4260.69	14660800	586.8	y	n
						12526000	563.7	y	n
	6	31:17	1.65	n	160.17 JA	751413	23.8	y	n
						456272	20.3	y	n
	7	31:43	0.81	n	12.89	45517	2.8	n	n
						56279	3.5	y	n
1,2,3,4,7,8-HxCDD	8	31:49	1.27	y	206.58	708699	39.8	y	n
						555884	39.3	y	n
1,2,3,6,7,8-HxCDD	9	31:55	1.20	y	1434.83	5016470	256.4	y	n
						4196280	232.7	y	n
1,2,3,7,8,9-HxCDD	10	32:14	1.36	y	688.98	2617480	91.8	y	n
						1929940	88.8	y	n
	11	32:49	5.40	n	5.37	82637	5.2	y	n
						15309	1.3	n	n

See pg 7A

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount: 1337139.00 of which 1251092.18 named and 86046.82 unnamed
Conc: 133713.90 of which 125109.22 named and 8604.68 unnamed

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:8
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D

Amount:	92984.55 of which	18636.40 named and	74348.15 unnamed		
Conc:	9298.46 of which	1863.64 named and	7434.82 unnamed		

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:46	1.16	y	1430.25	5362490	146.4	y	n
						4634060	144.1	y	n
	2	30:44	1.17	y	1751.65	6605160	251.6	y	n
						5637820	247.0	y	n
	3	31:05	1.17	y	3889.72	14660800	586.8	y	n
						12526000	563.7	y	n
	4	31:17	1.65	n	146.23	751417	23.8	y	n
						456269	20.3	y	n
1,2,3,4,7,8-HxCDD	5	31:49	1.27	y	188.59	708699	39.8	y	n
						555884	39.3	y	n
1,2,3,6,7,8-HxCDD	6	31:55	1.20	y	1309.90	5016470	256.4	y	n
						4196280	232.7	y	n
	7	32:13	1.10	y	216.96	793110	78.1	y	y
						723340	76.0	y	y
1,2,3,7,8,9-HxCDD	8	32:14	1.21	y	365.14	1446610	91.8	y	y
						1193250	88.8	y	y

Pg 7A

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	33:49	0.99	y	123810.¶	2326220000	41503.4	y	n
						2346050000	34655.4	y	n
	2	34:00	0.92	y	3891.89	67323800	1004.8	y	n
						72816300	839.0	y	n
	3	34:07	1.01	y	4712.80	85254400	1199.5	y	n
						84445200	1003.3	y	n
1,2,3,4,7,8,9-HpCDF	4	34:53	0.99	y	1298.38	22164700	347.0	y	n
						22343100	288.7	y	n

Totals Results STL Sacramento

Run Text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)

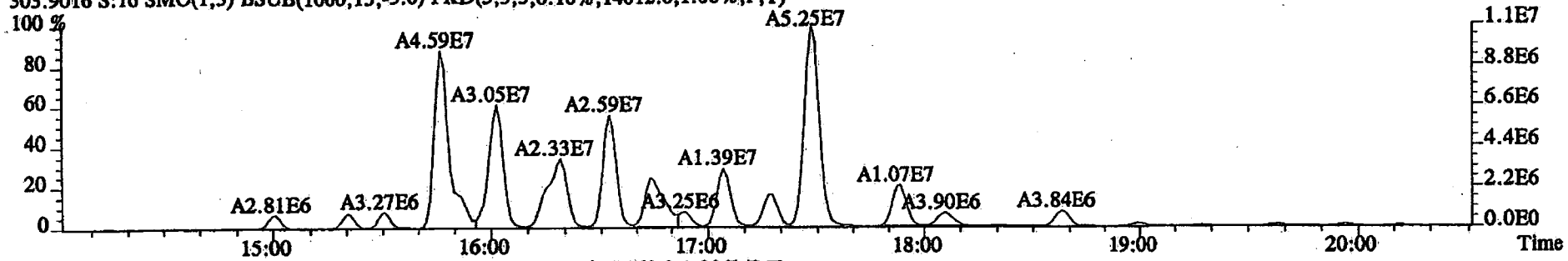
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 19 File: 23MR059D5 S:16 Acq:24-MAR-05 02:44:49
Tables: Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D¶

Amount: 286412.40 of which 167582.70 named and 118829.71 unnamed
Conc: 28641.24 of which 16758.27 named and 11882.97 unnamed

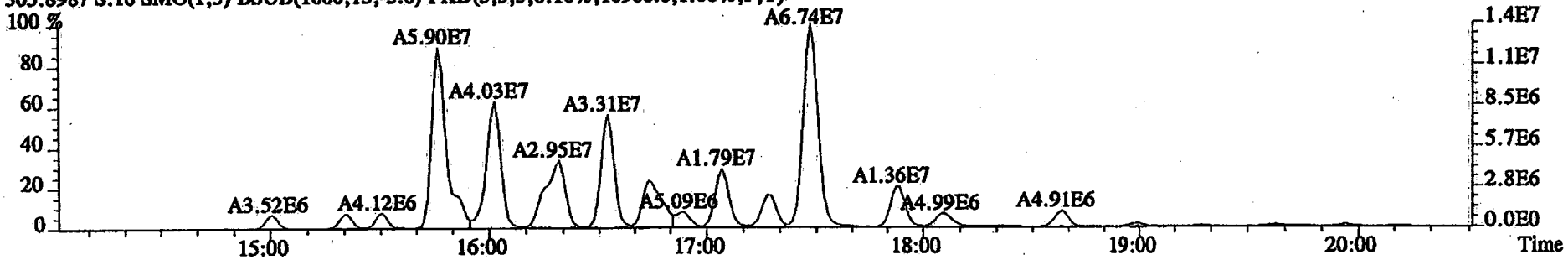
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	33:30	0.42	n	35.80	173068	10.8	y	n
						414718	17.2	y	n
	2	33:49	1.77	n	227.41 100	1871640	95.6	y	n
						1057030	35.6	y	n
	3	34:04	1.02	y	11619.76	55728400	2852.3	y	n
						54454000	1978.3	y	n
1,2,3,4,6,7,8-HpCDD	4	34:36	1.02	y	16758.27	80103300	3808.9	y	n
						78804100	2706.1	y	n

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

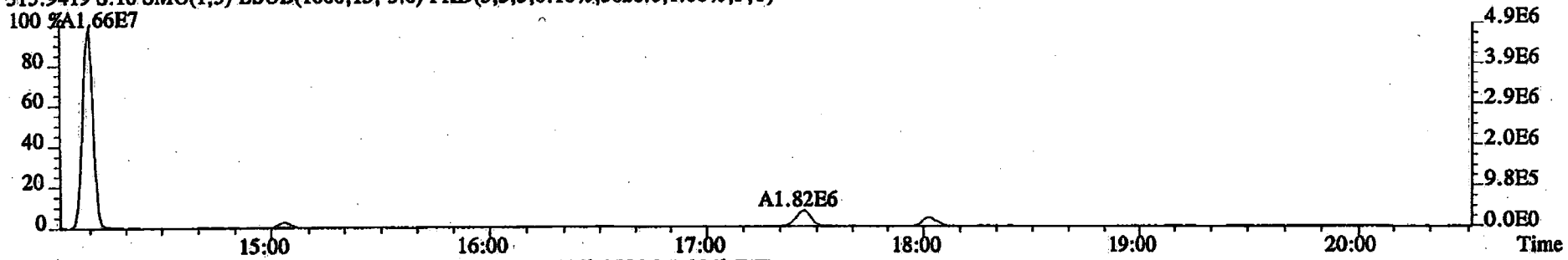
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14012.0,1.00%,F,T)



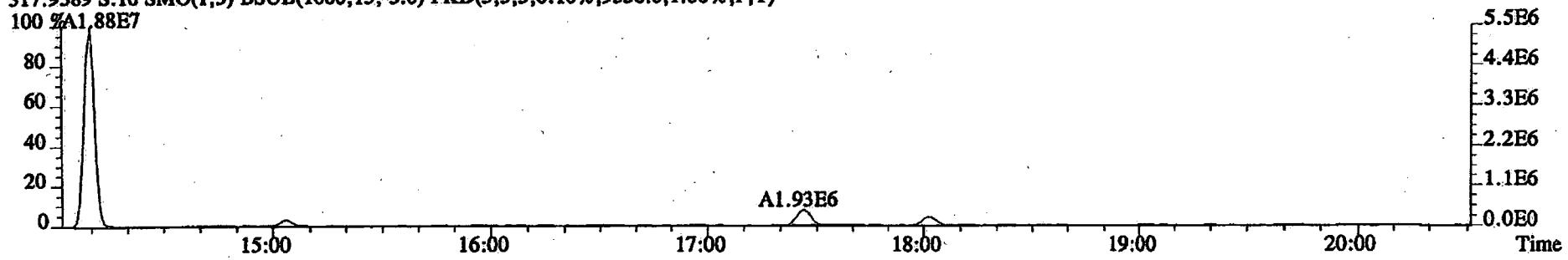
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10960.0,1.00%,F,T)



315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5620.0,1.00%,F,T)

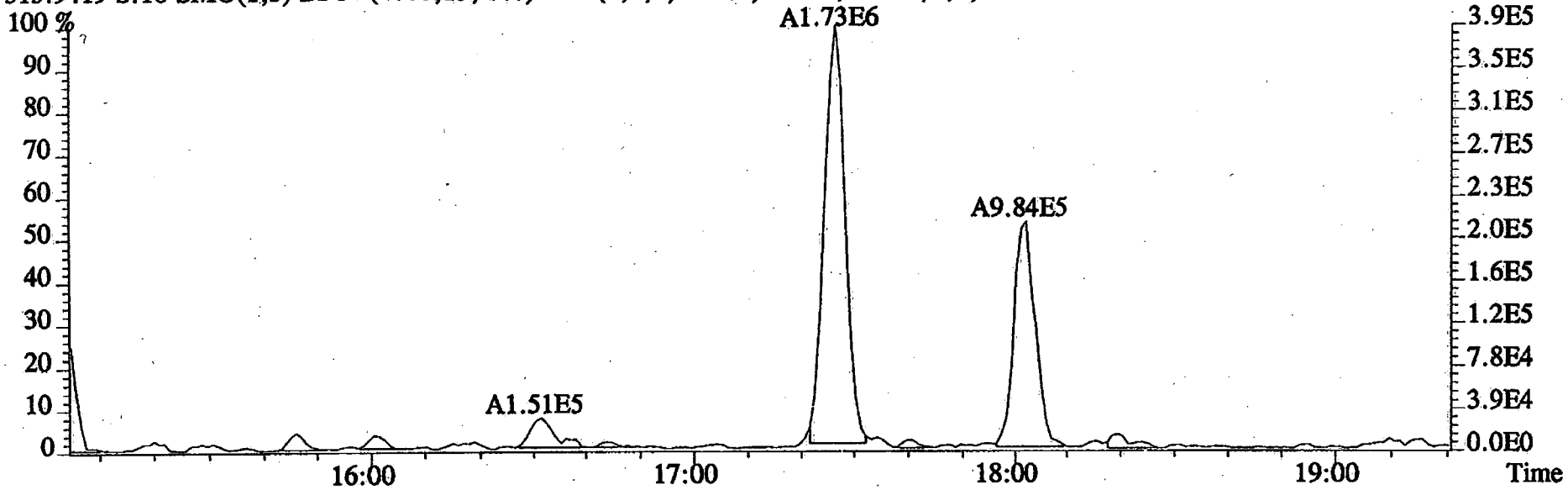


317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9556.0,1.00%,F,T)

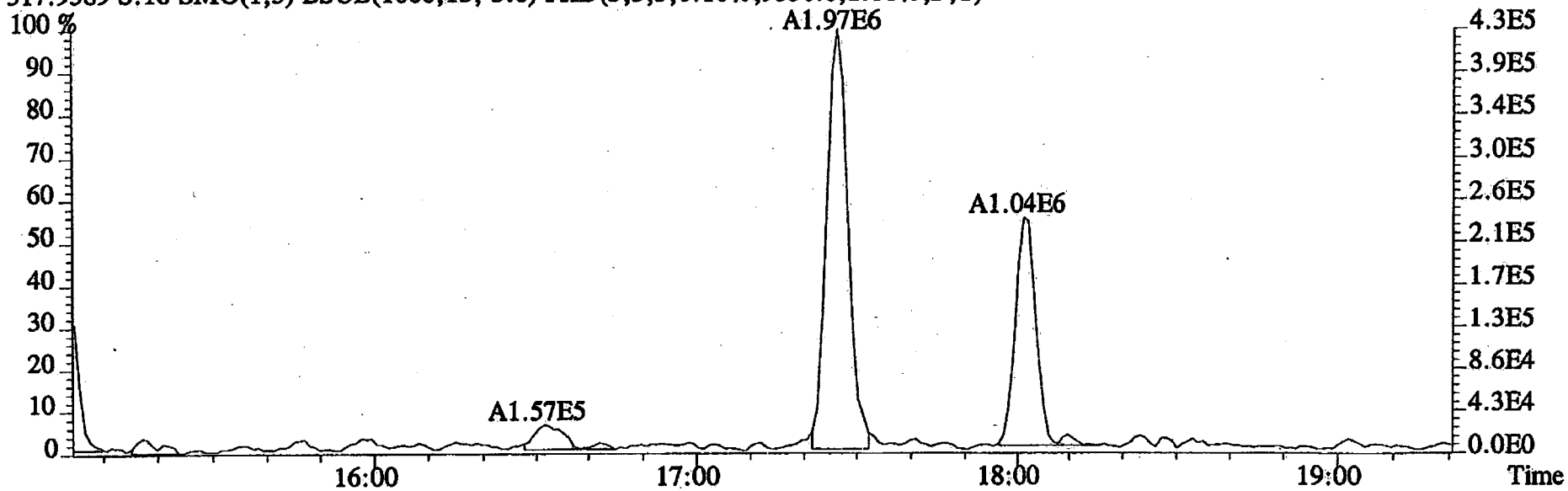


944
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5620.0,1.00%,F,T)

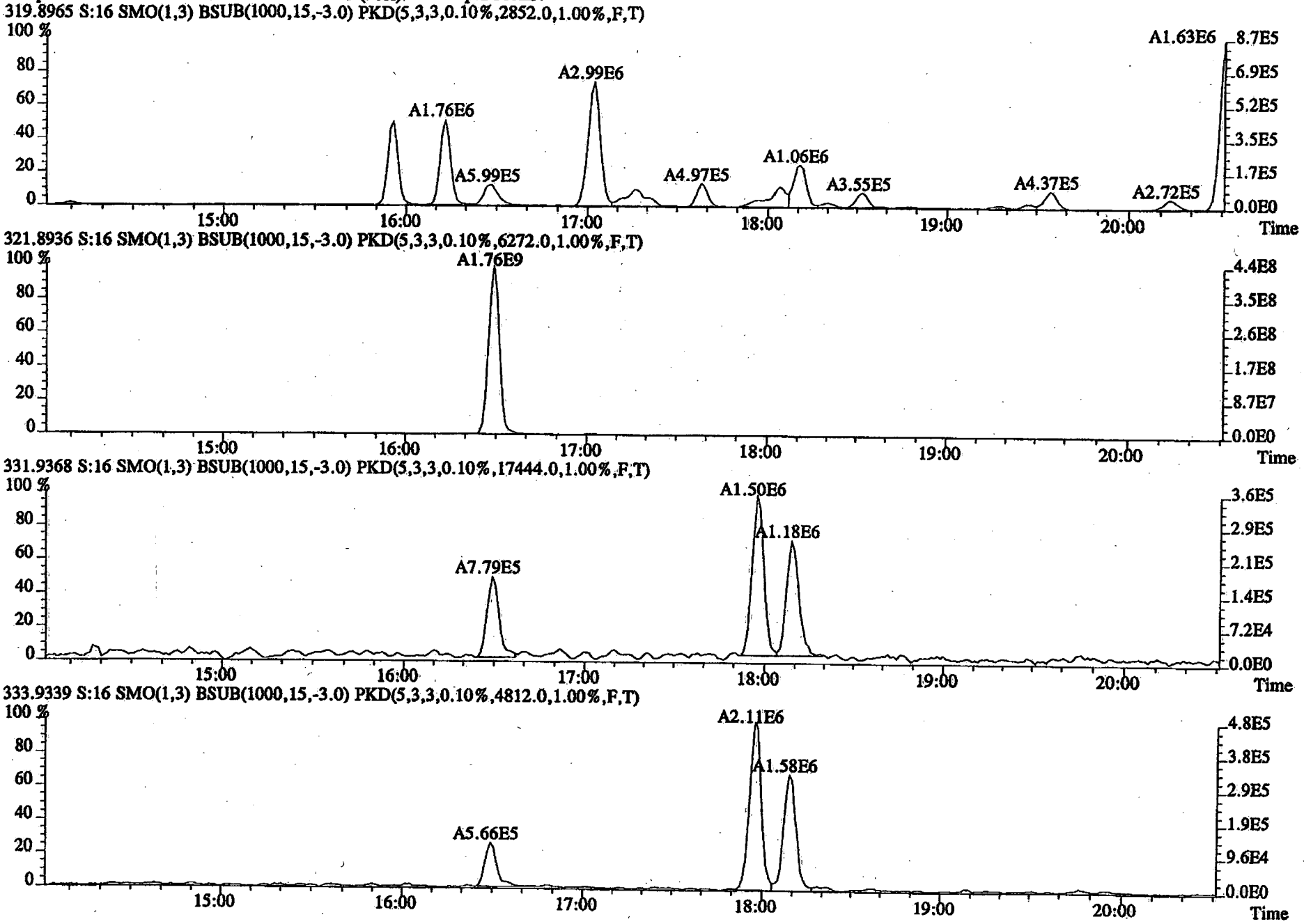


317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9556.0,1.00%,F,T)



945
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

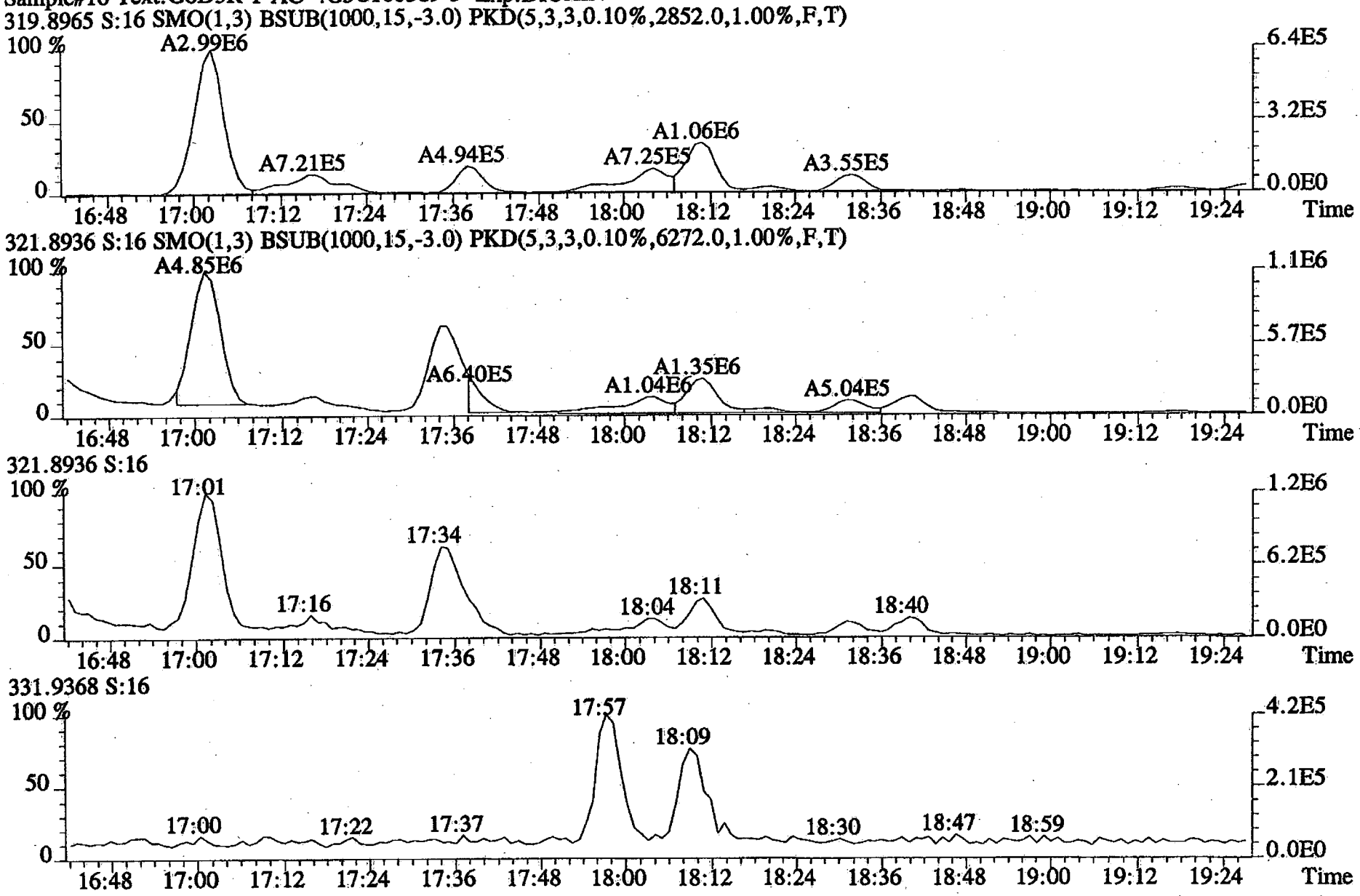


946

STL Edison

U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN



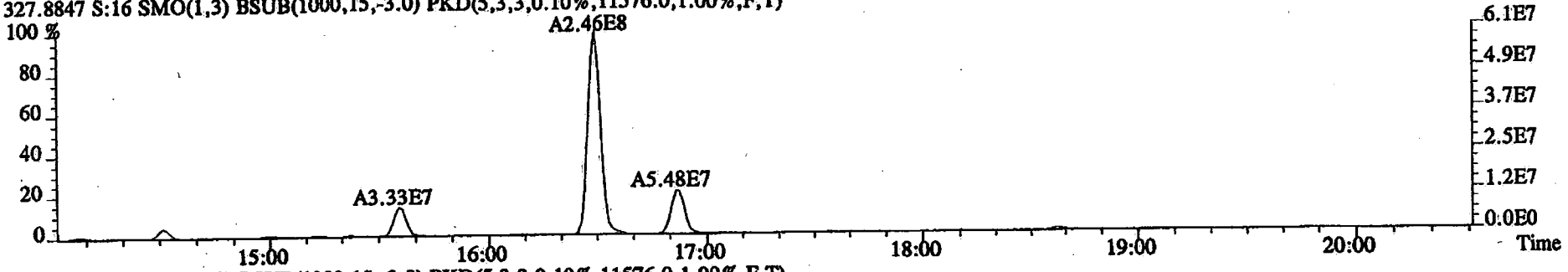
947

STL Edison

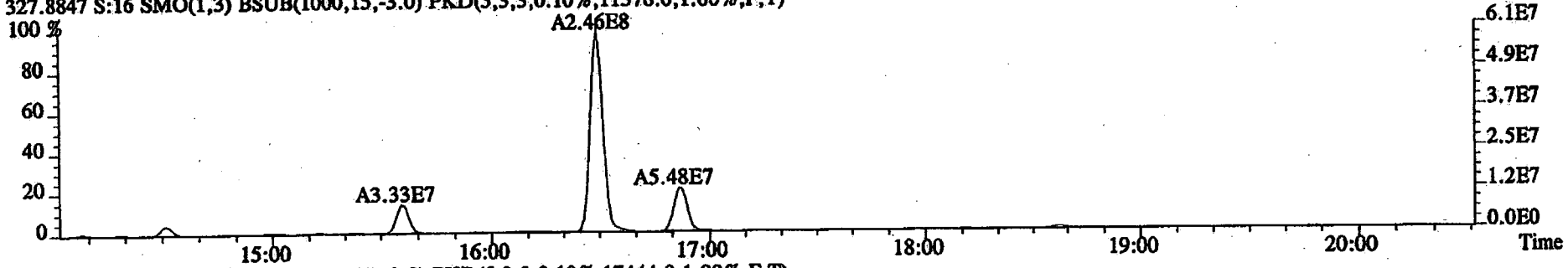
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

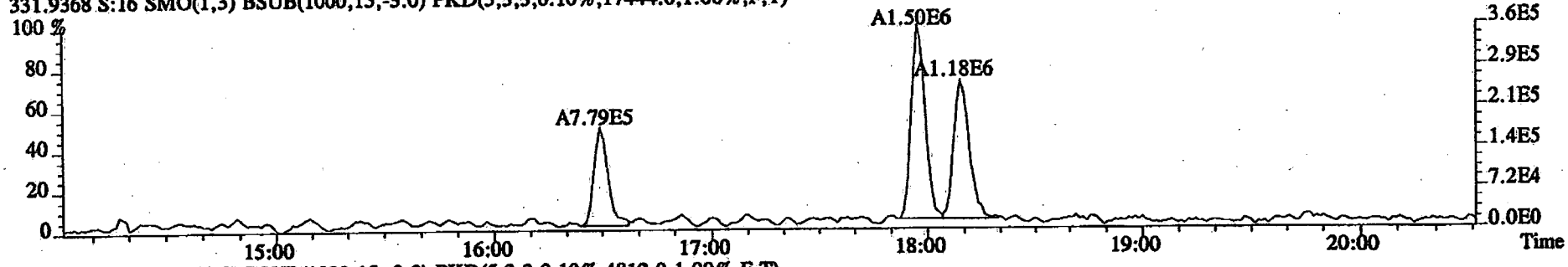
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11576.0,1.00%,F,T)



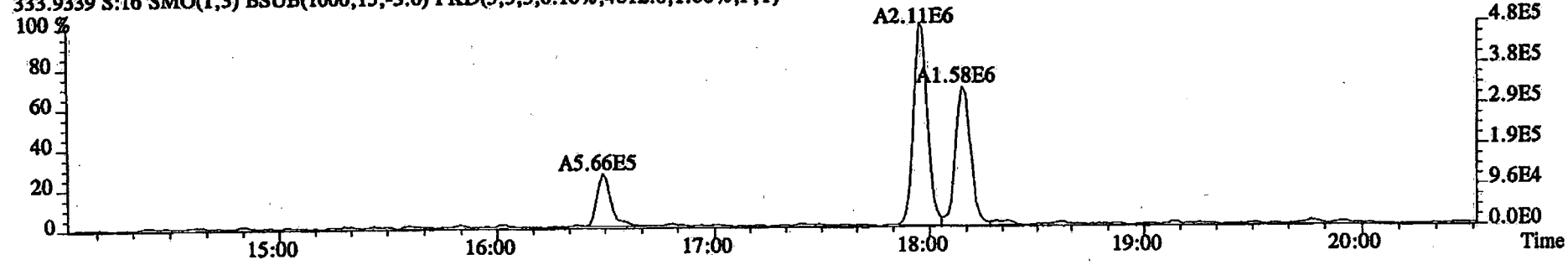
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11576.0,1.00%,F,T)



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17444.0,1.00%,F,T)



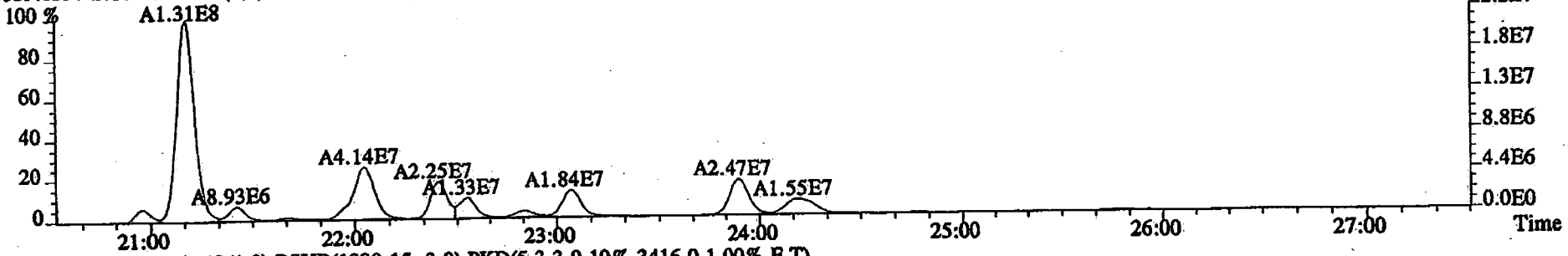
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4812.0,1.00%,F,T)



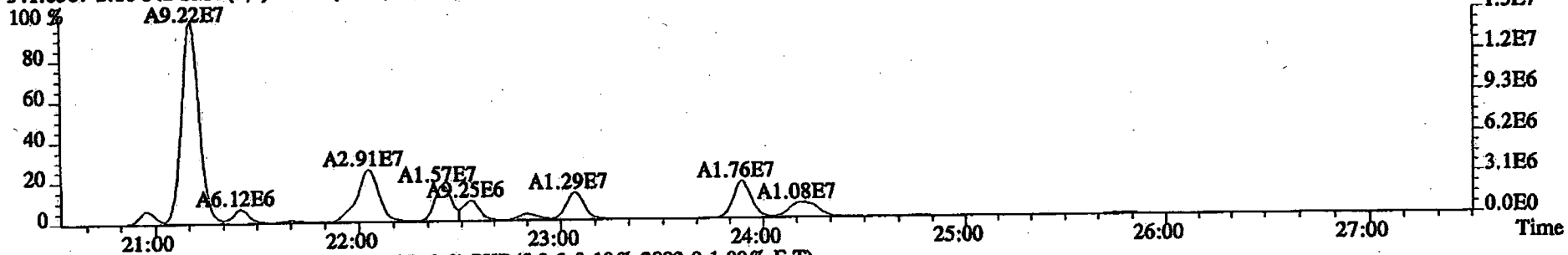
948
STL Edison
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

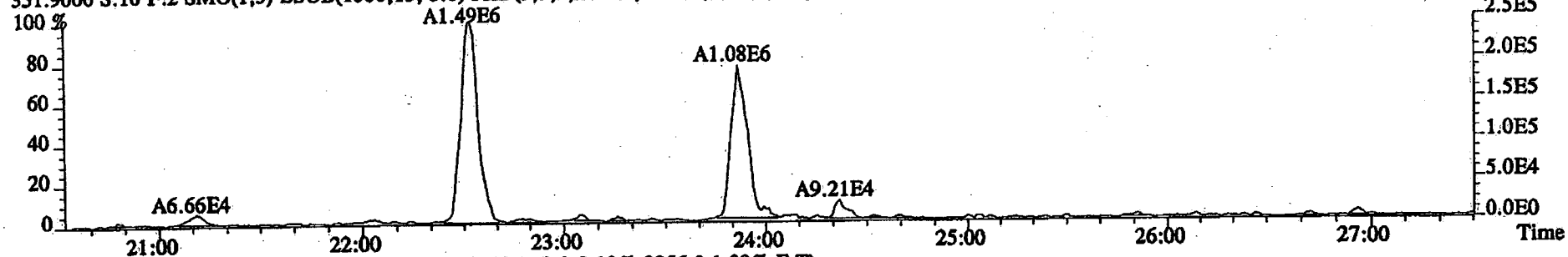
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



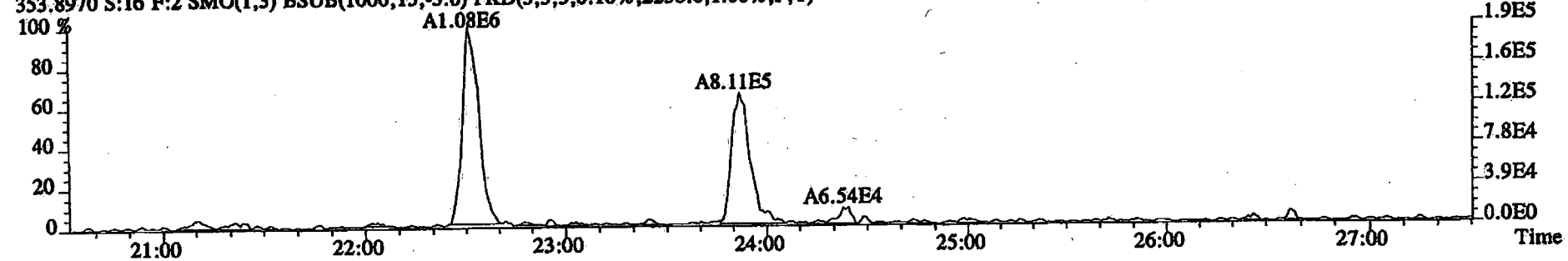
341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)



351.9000 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2892.0,1.00%,F,T)



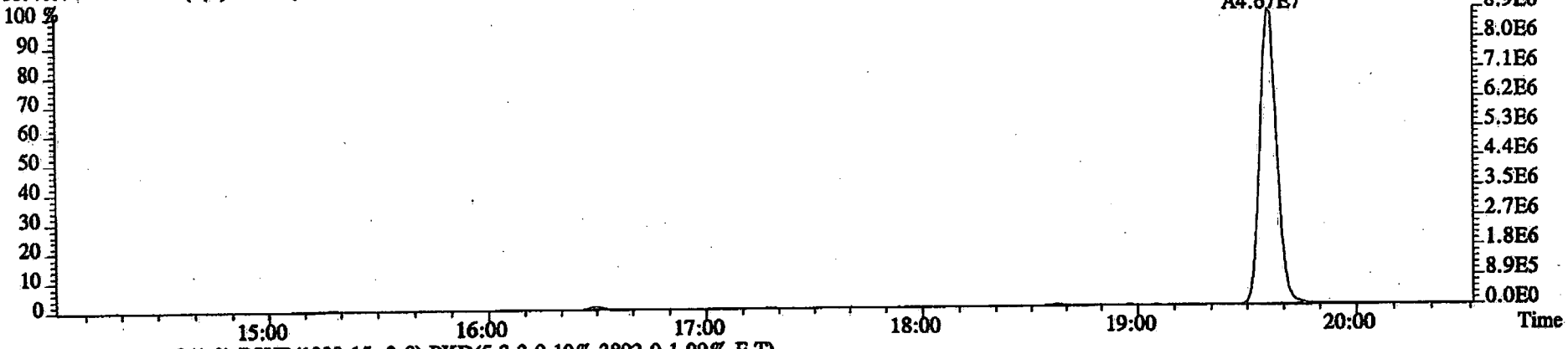
353.8970 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)



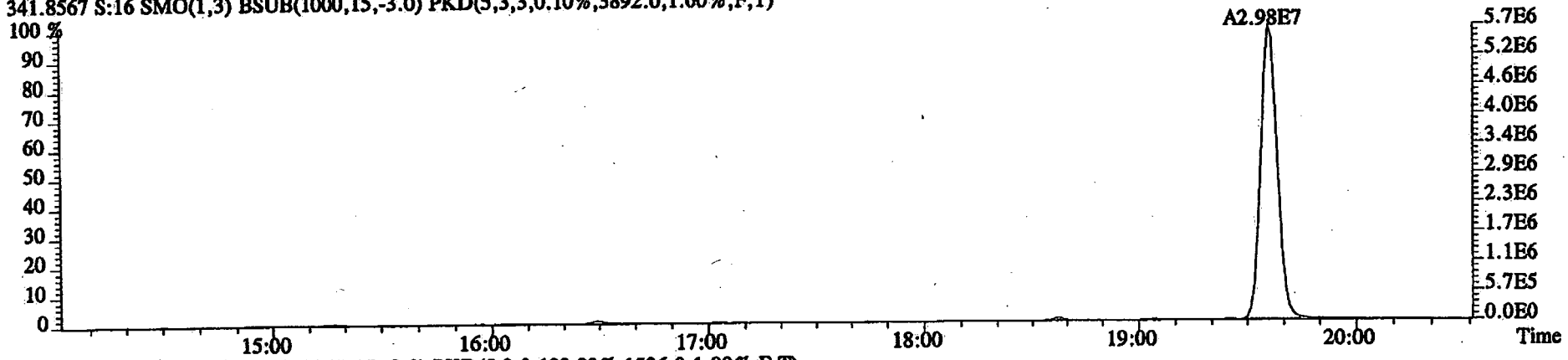
949
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

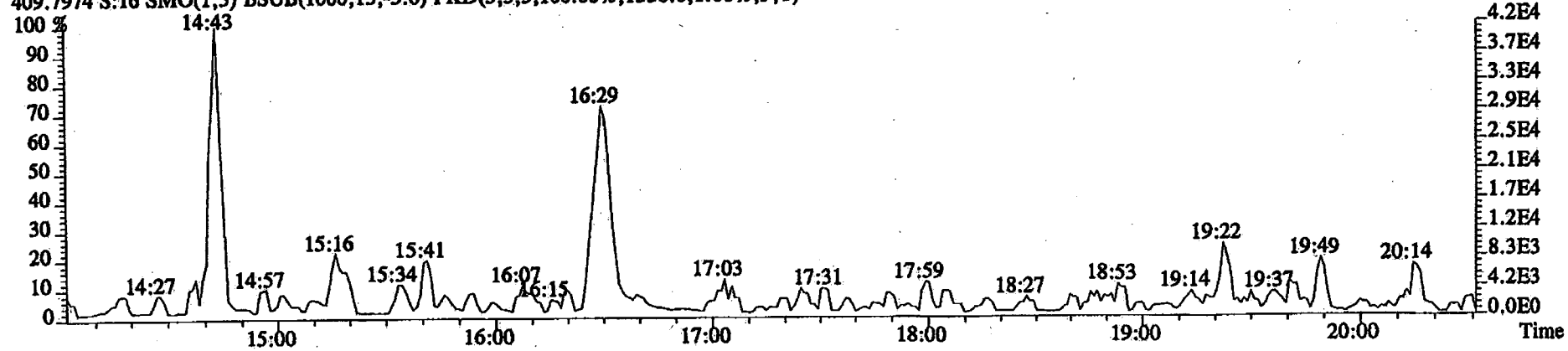
339.8597 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3200.0,1.00%,F,T)



341.8567 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3892.0,1.00%,F,T)



409.7974 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1536.0,1.00%,F,T)



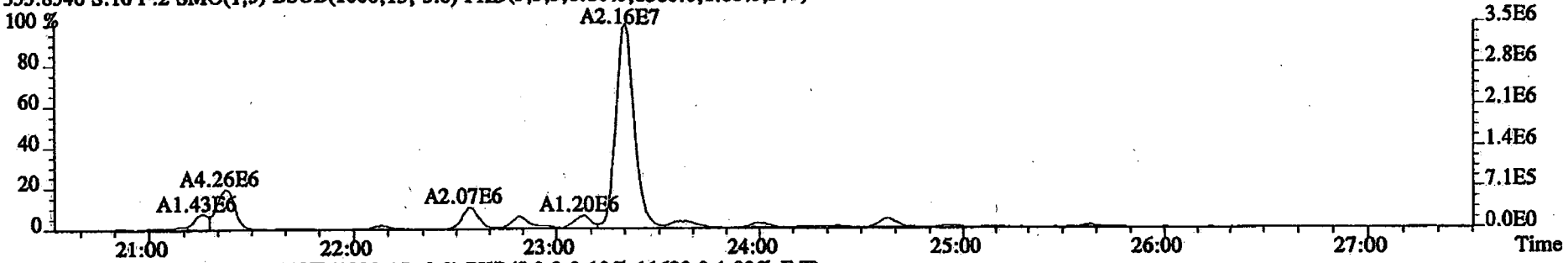
950

STL Edison

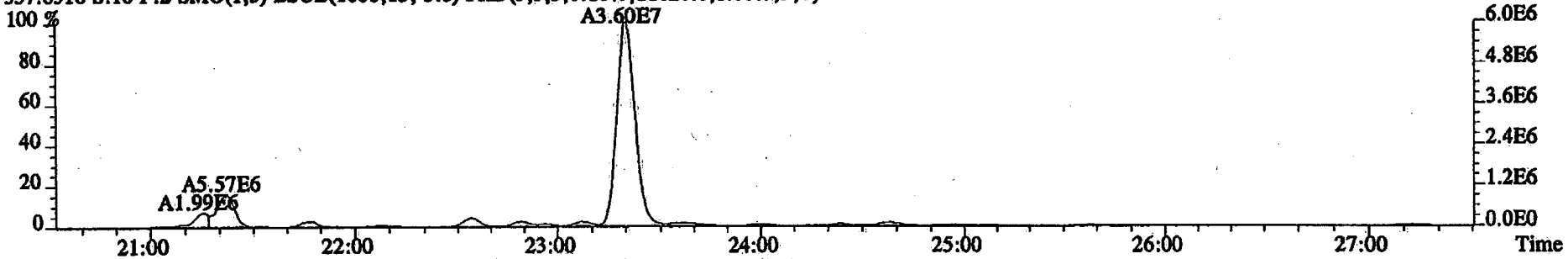
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

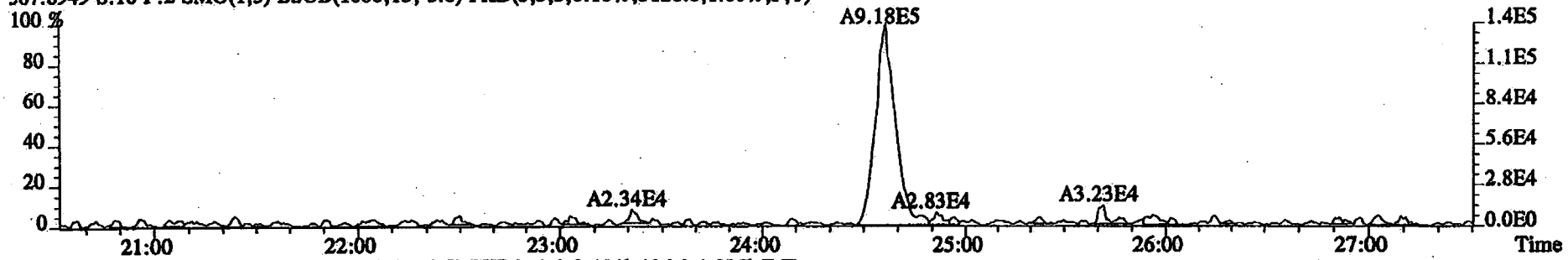
355.8546 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8580.0,1.00%,F,T)



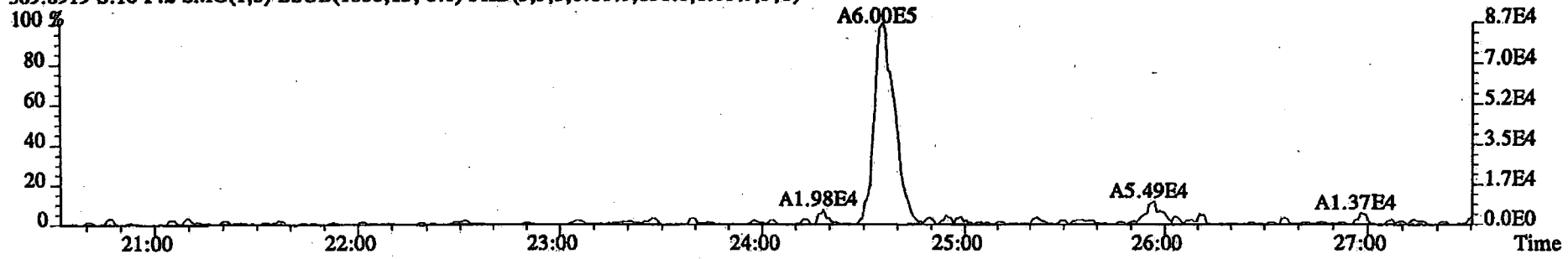
357.8516 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11620.0,1.00%,F,T)



367.8949 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3120.0,1.00%,F,T)



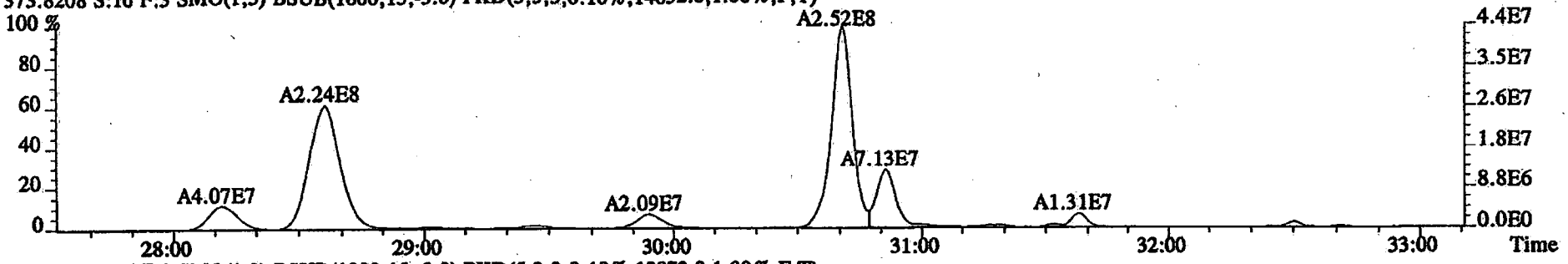
369.8919 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



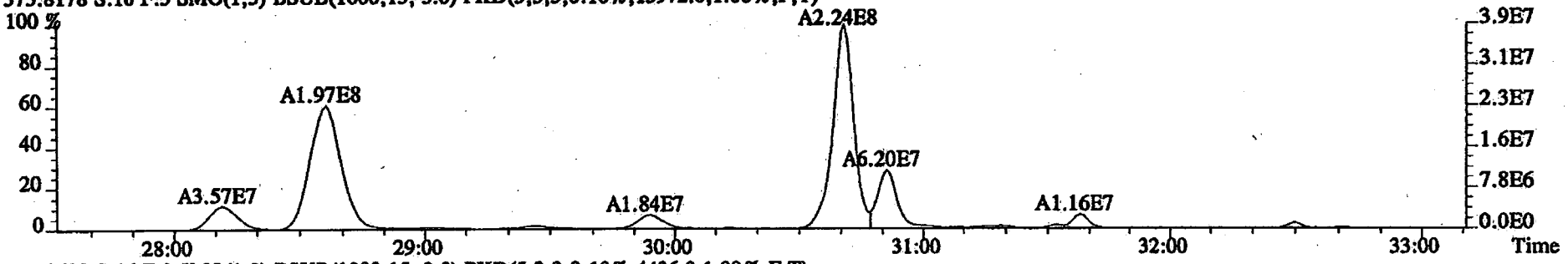
951
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

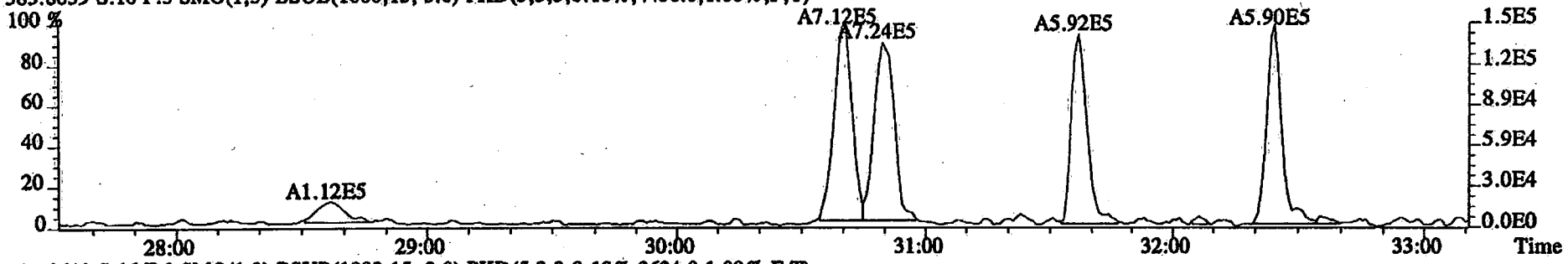
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14852.0,1.00%,F,T)



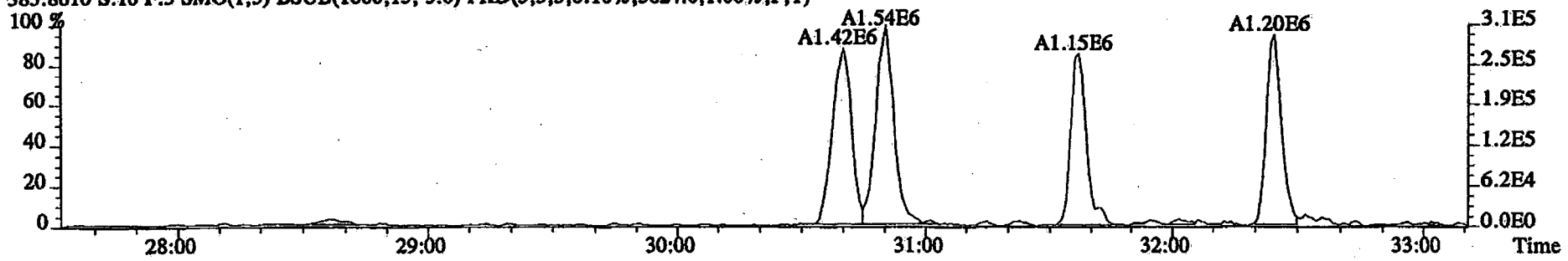
375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13972.0,1.00%,F,T)



383.8639 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



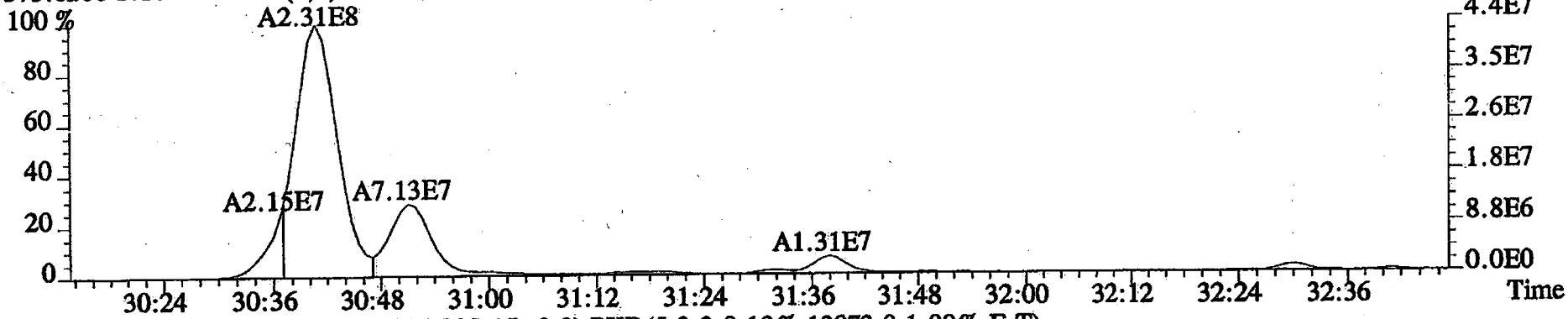
385.8610 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3624.0,1.00%,F,T)



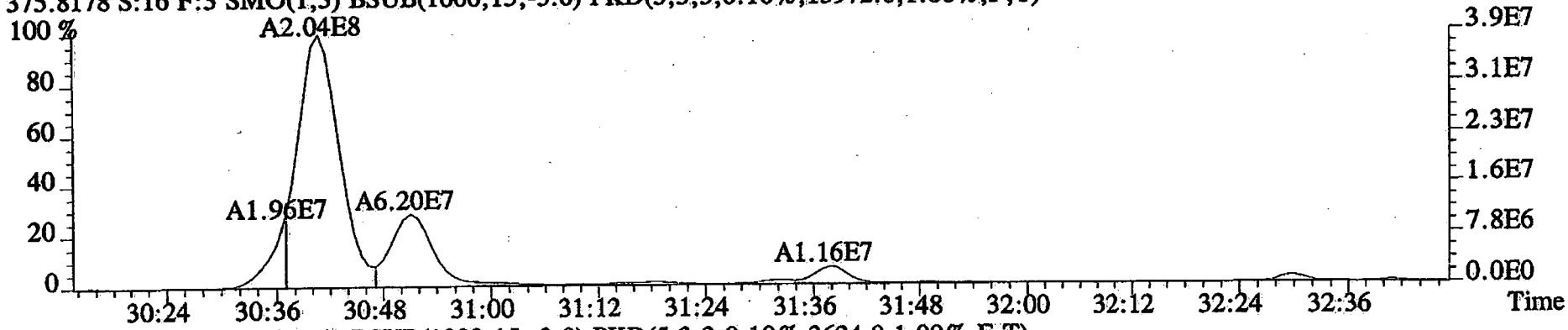
952
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN

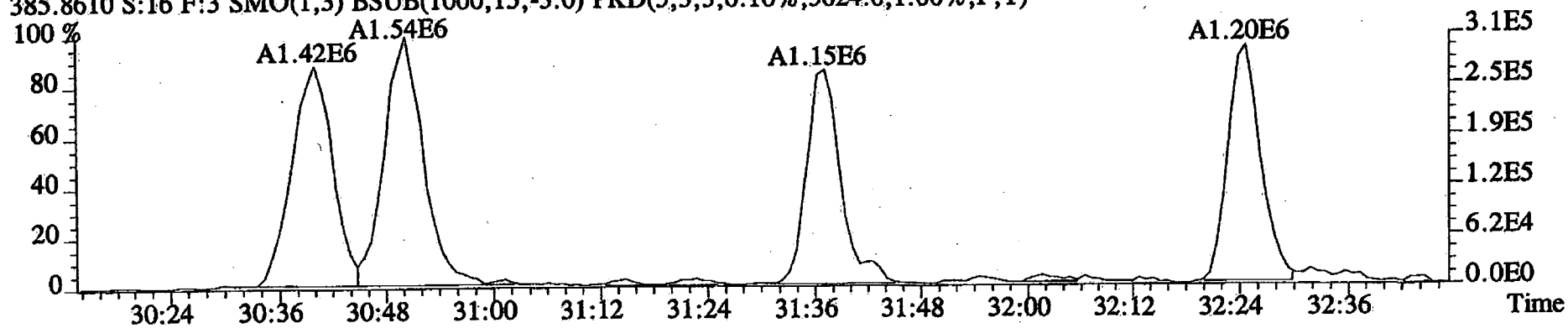
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14852.0,1.00%,F,T)



375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13972.0,1.00%,F,T)



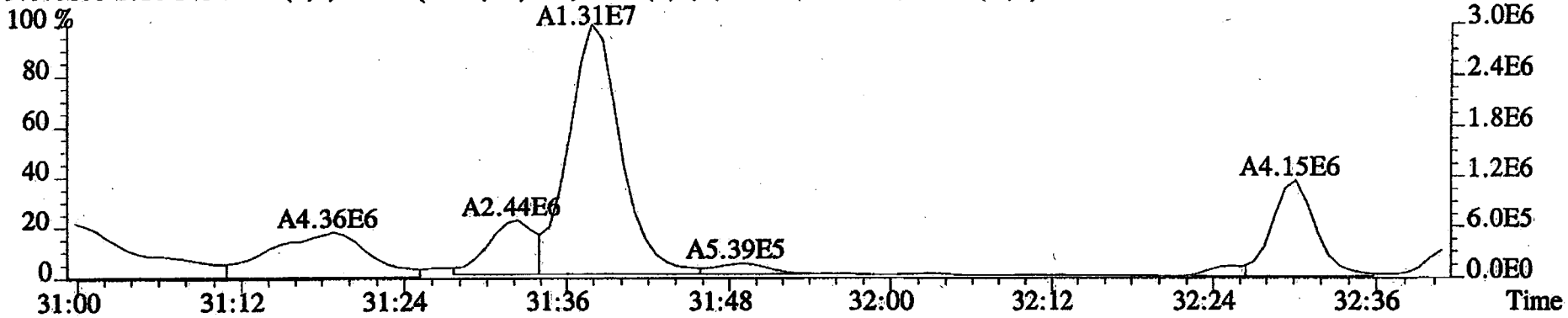
385.8610 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3624.0,1.00%,F,T)



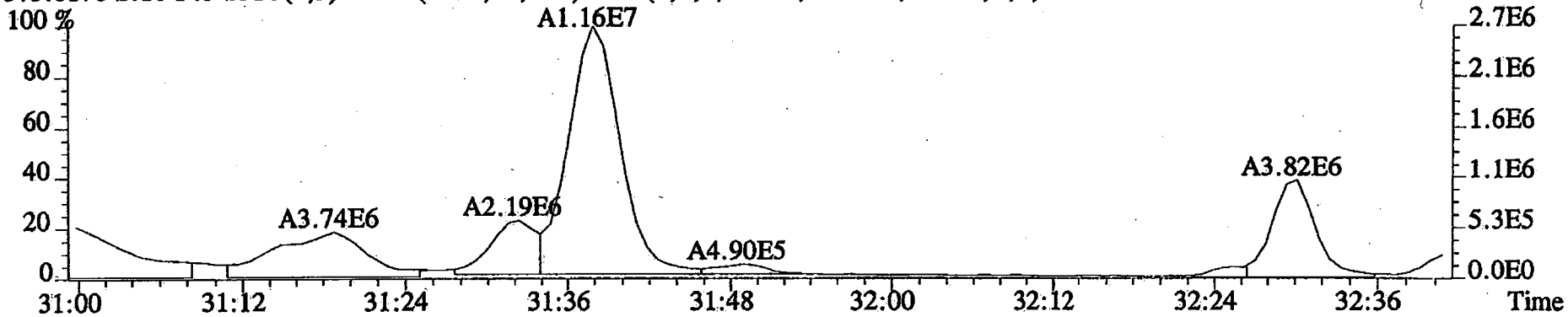
953
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN

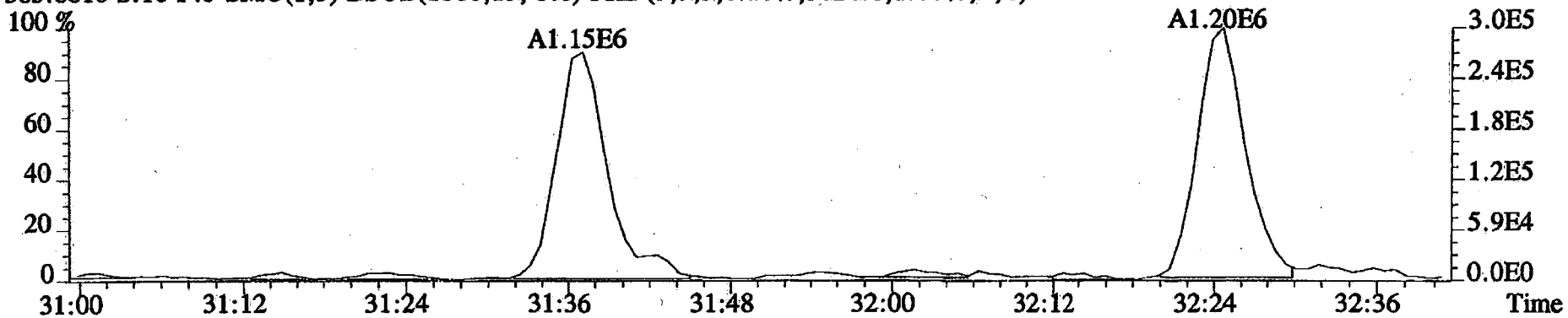
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14852.0,1.00%,F,T)



375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13972.0,1.00%,F,T)



385.8610 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3624.0,1.00%,F,T)

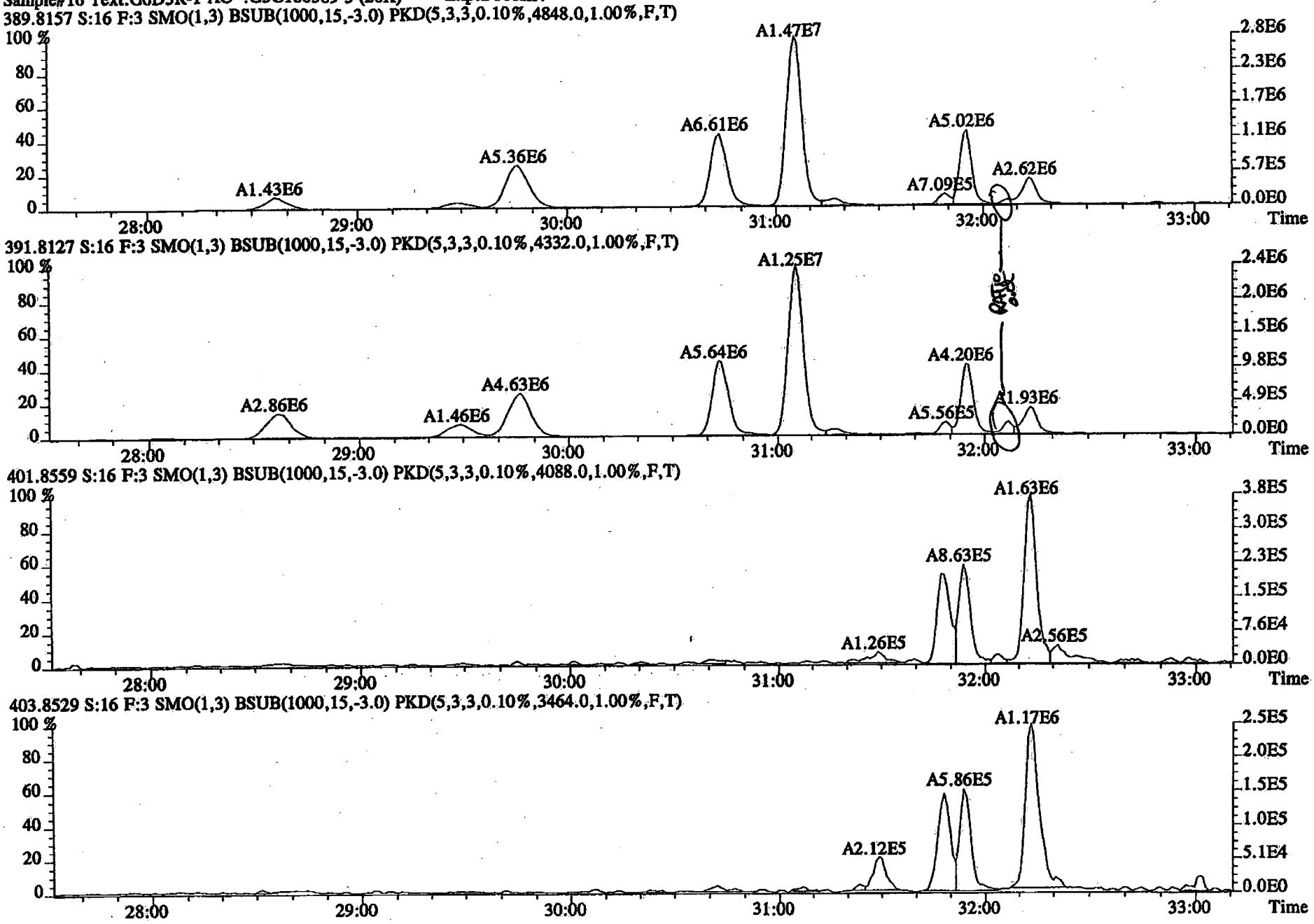


954

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

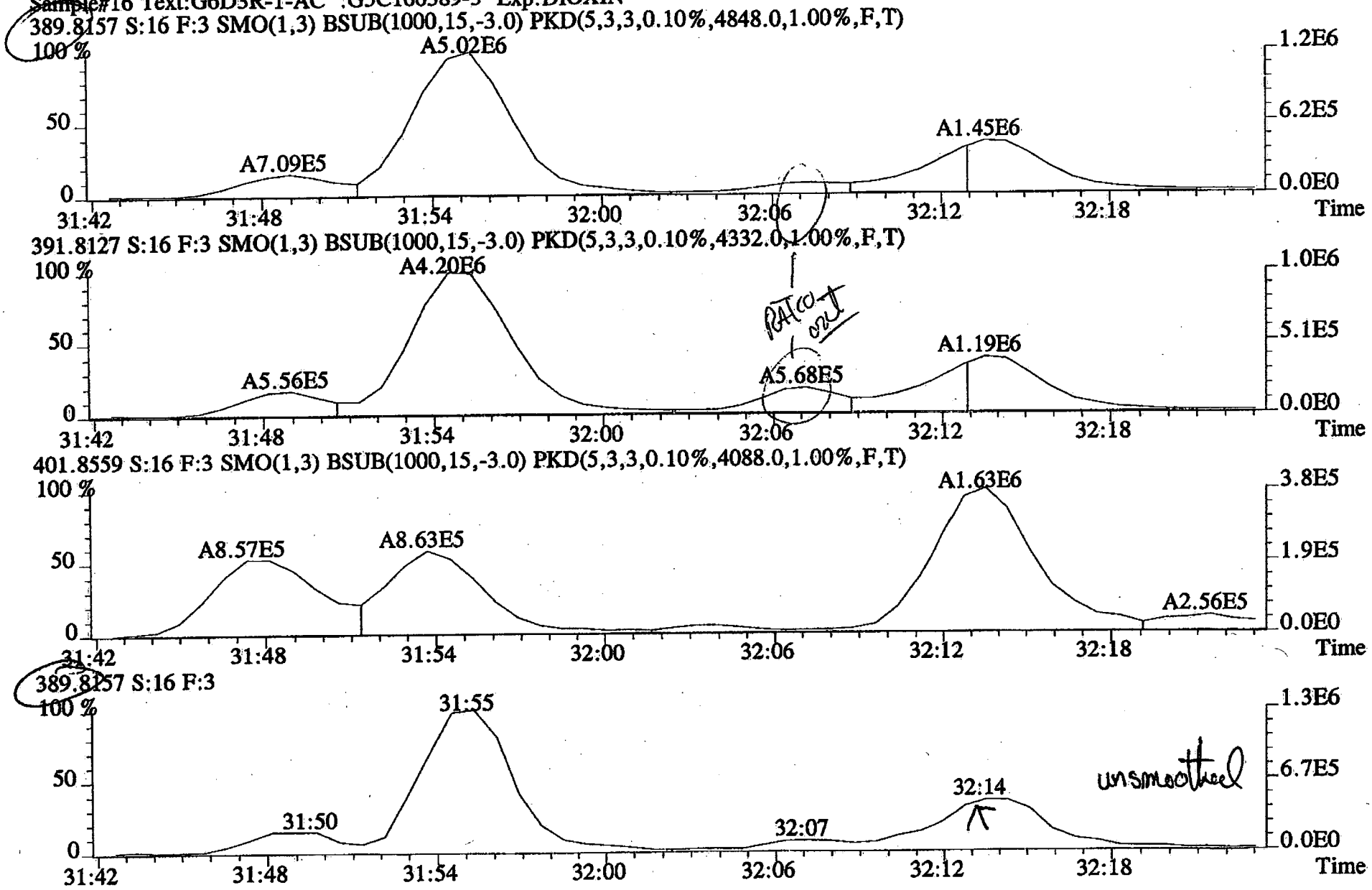


955

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN

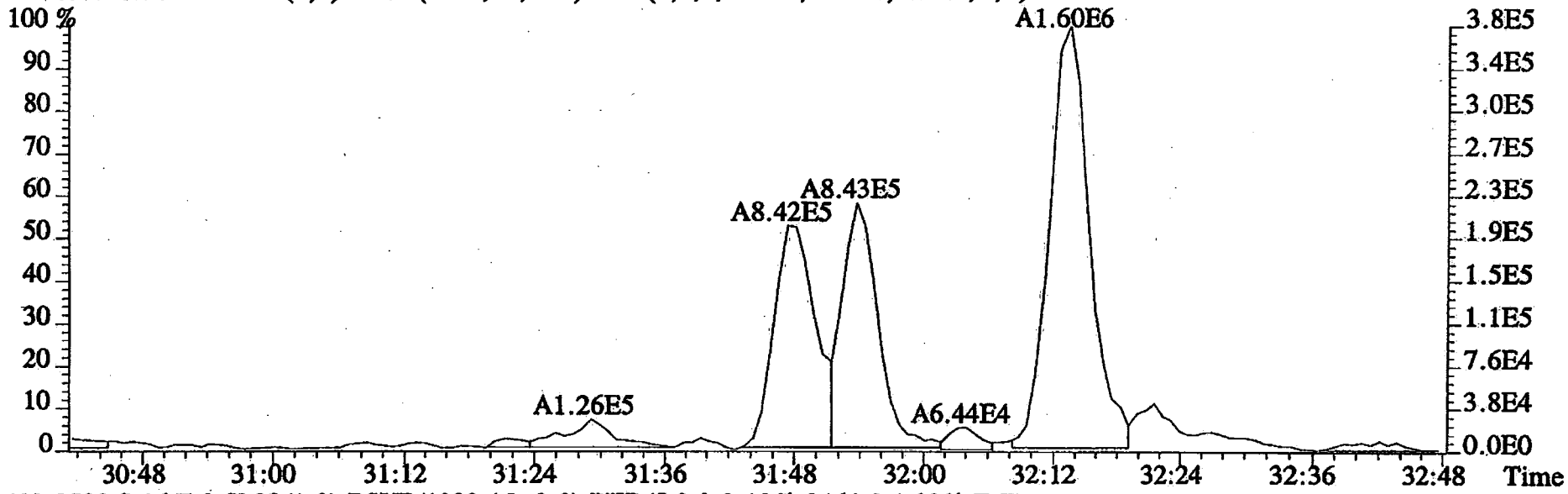


956

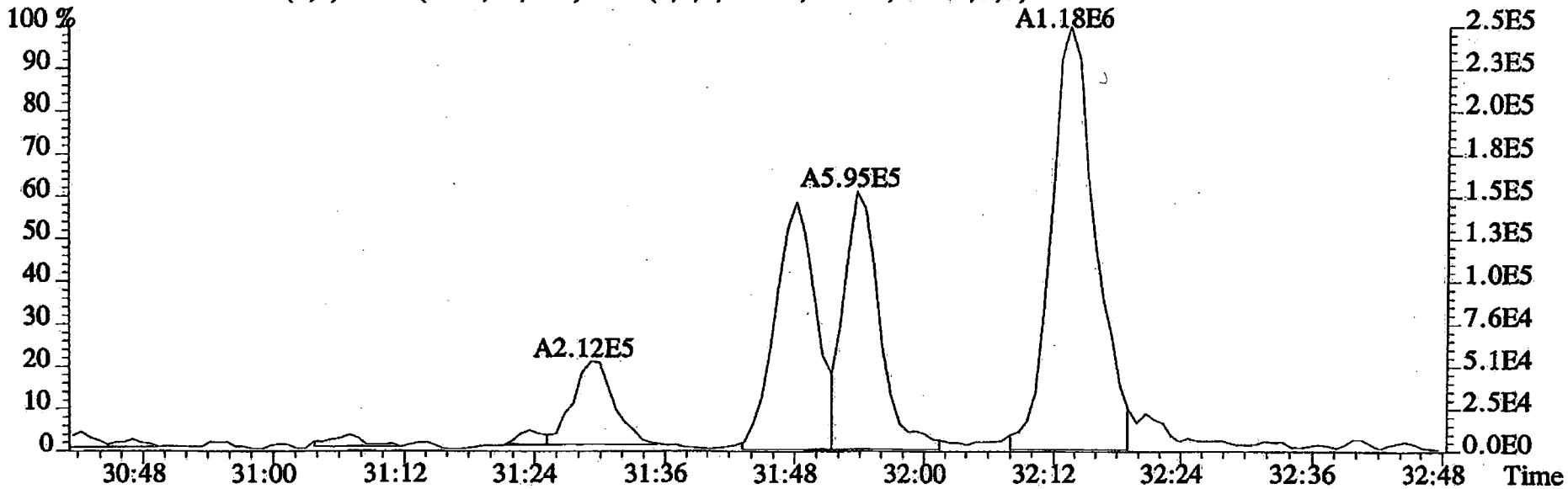
STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 Exp:DIOXIN
401.8559 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4088.0,1.00%,F,T)



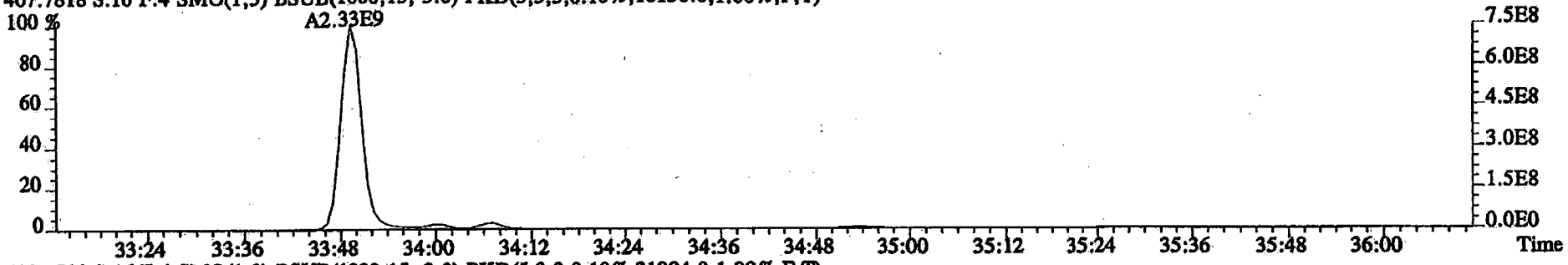
403.8529 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)



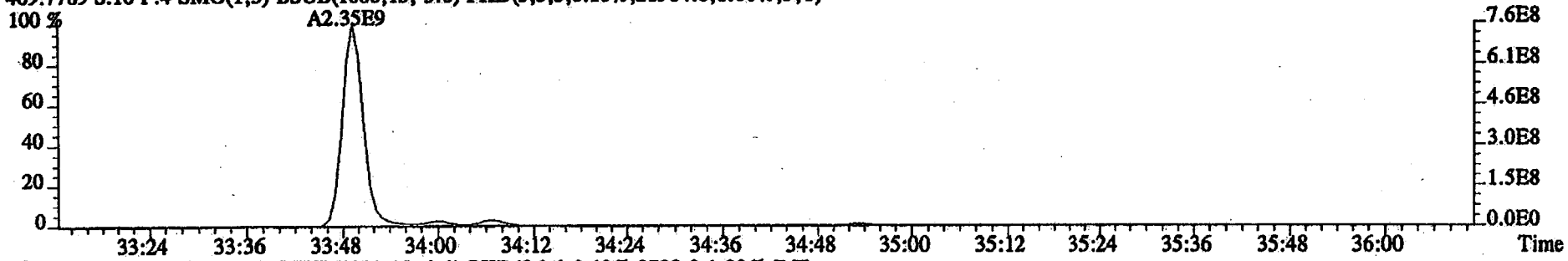
957
STL Edison
U855

File:23MR059D5 #1-238 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

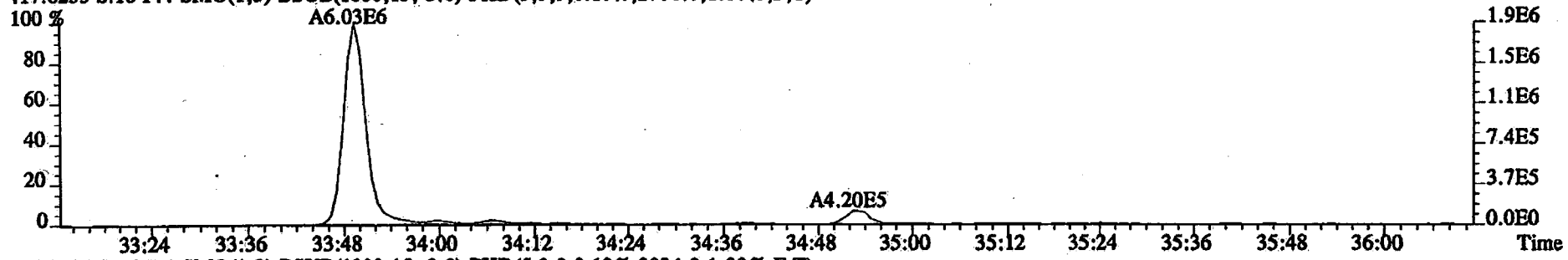
407.7818 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18156.0,1.00%,F,T)



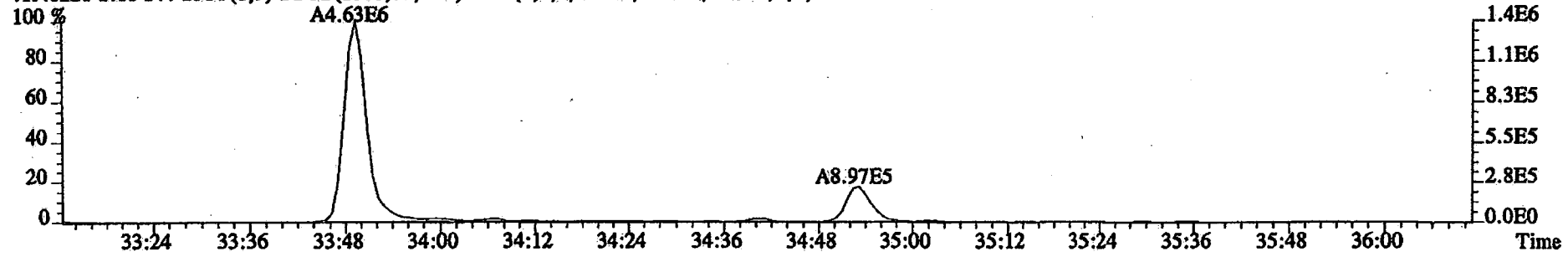
409.7789 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21984.0,1.00%,F,T)



417.8253 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2708.0,1.00%,F,T)



419.8220 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



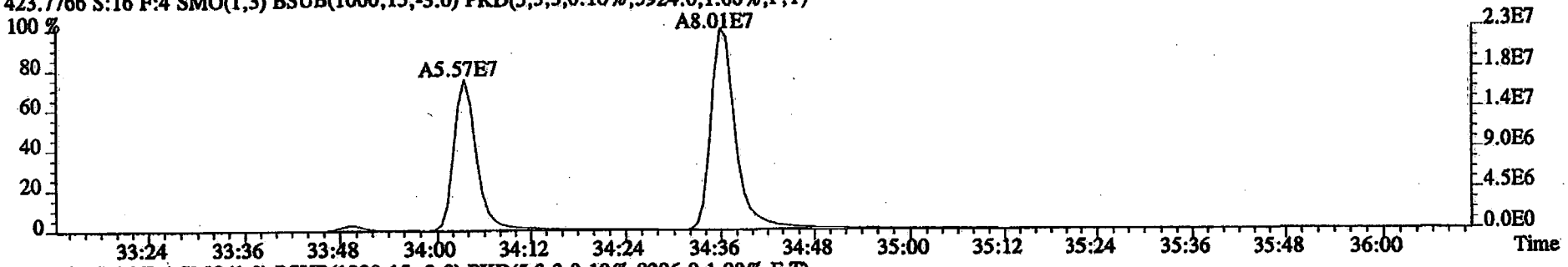
958

STL Edison

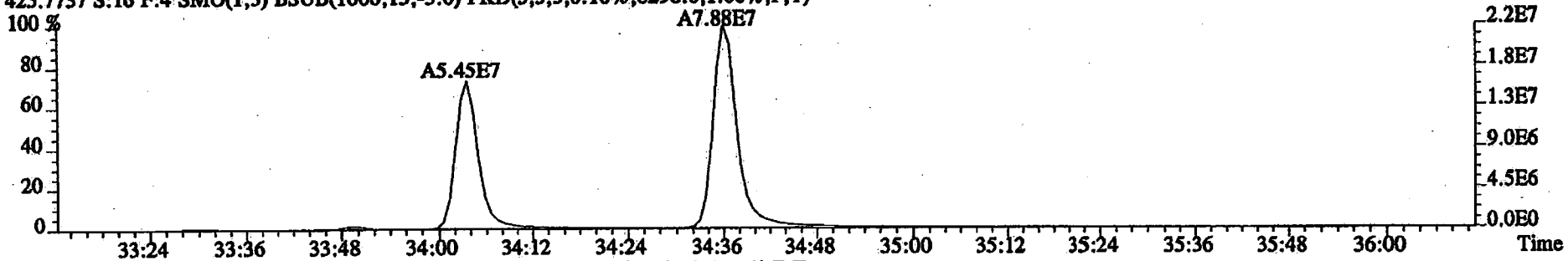
U855

File:23MR059D5 #1-238 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

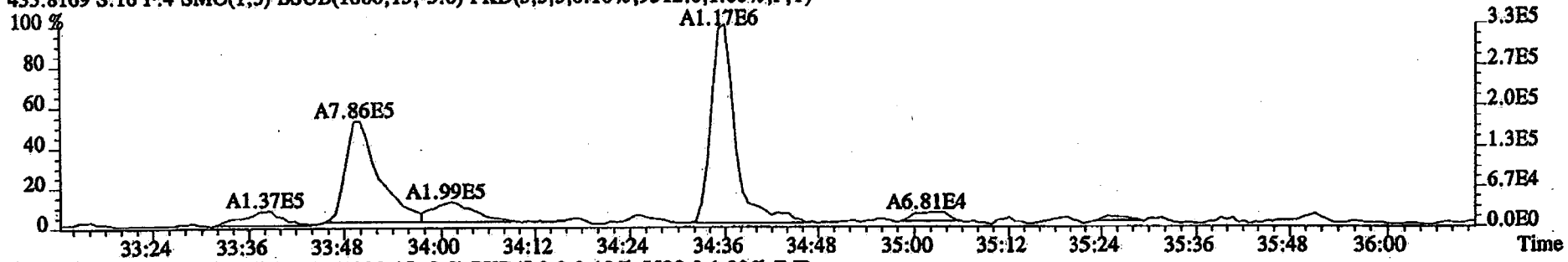
423.7766 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5924.0,1.00%,F,T)



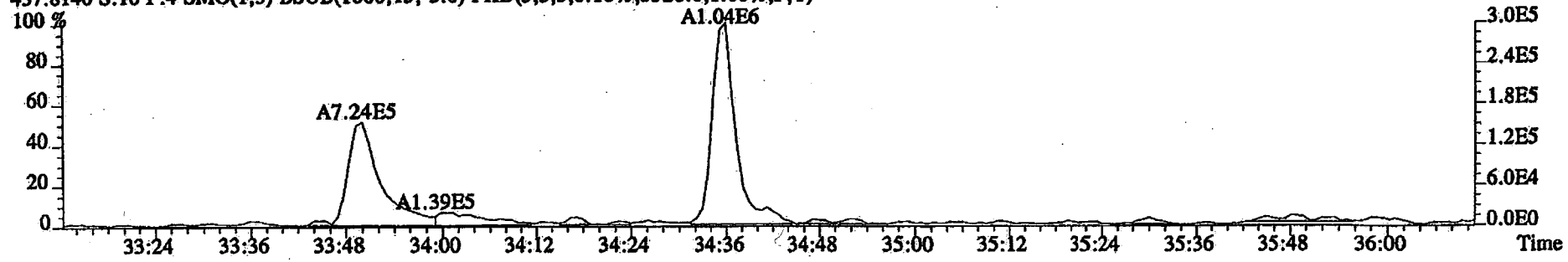
425.7737 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8296.0,1.00%,F,T)



435.8169 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9512.0,1.00%,F,T)



437.8140 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5528.0,1.00%,F,T)



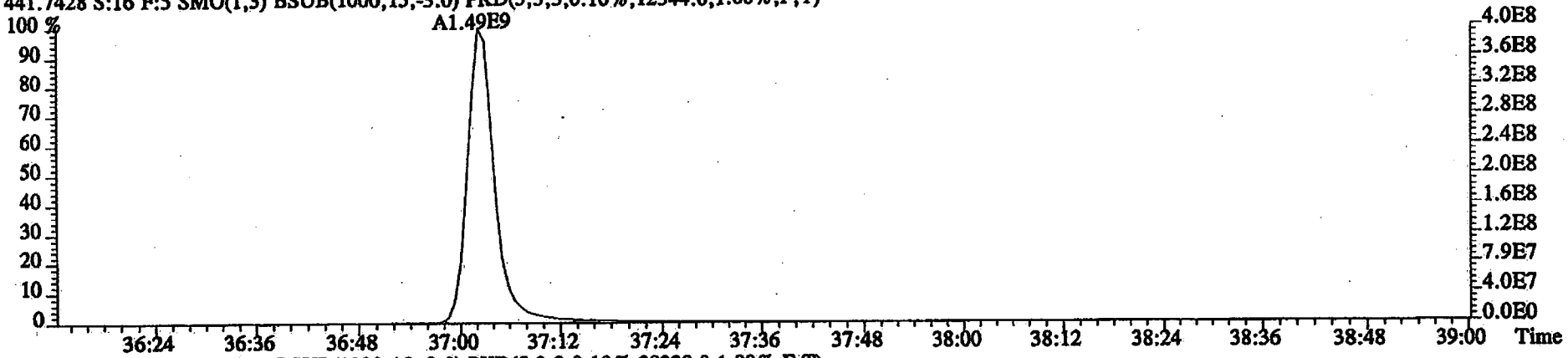
959

STL Edison

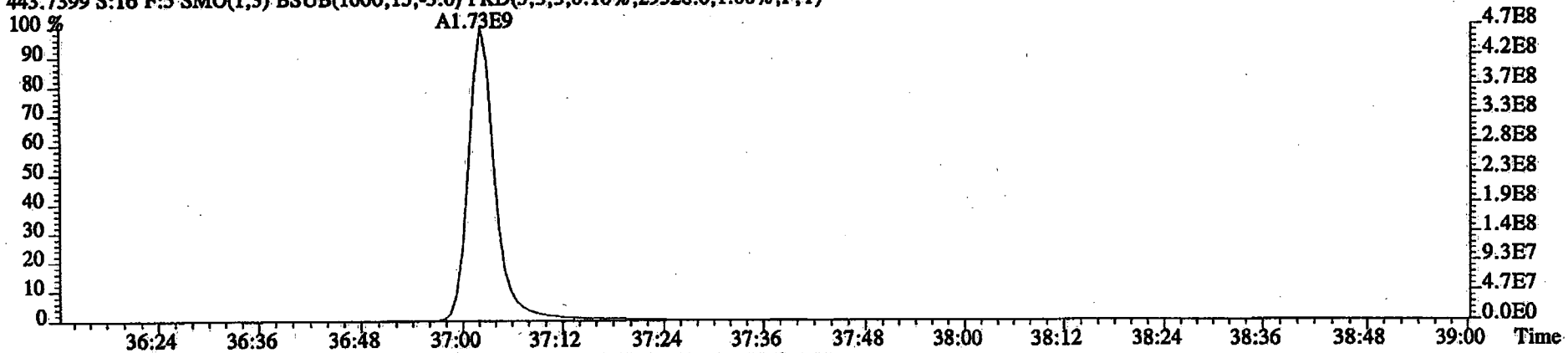
U855

File:23MR059D5 #1-227 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

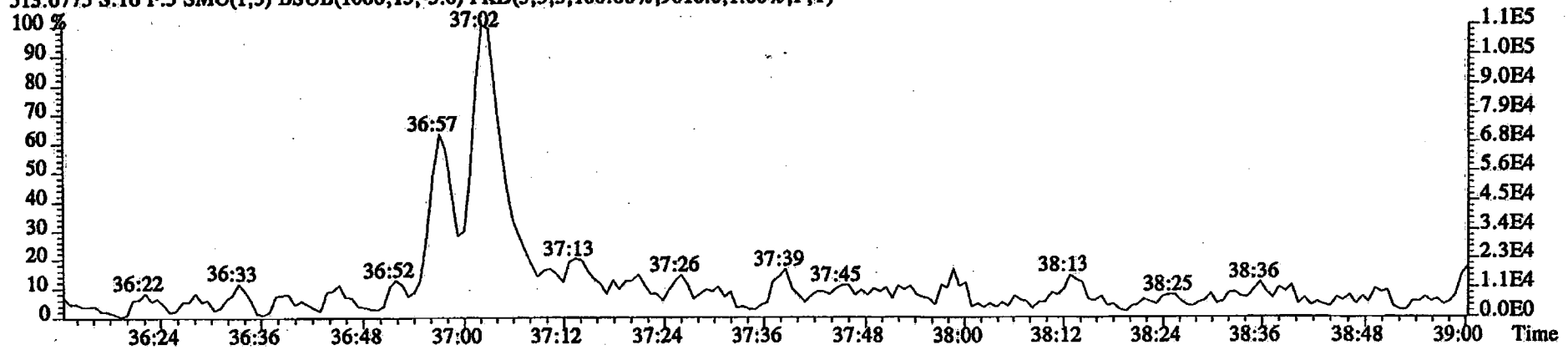
441.7428 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12344.0,1.00%,F,T)



443.7399 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29328.0,1.00%,F,T)



513.6775 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,9016.0,1.00%,F,T)



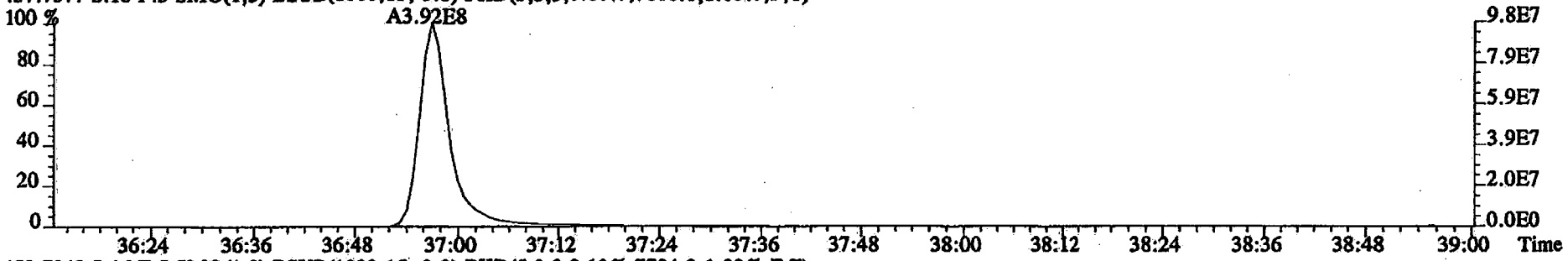
960

STL Edison

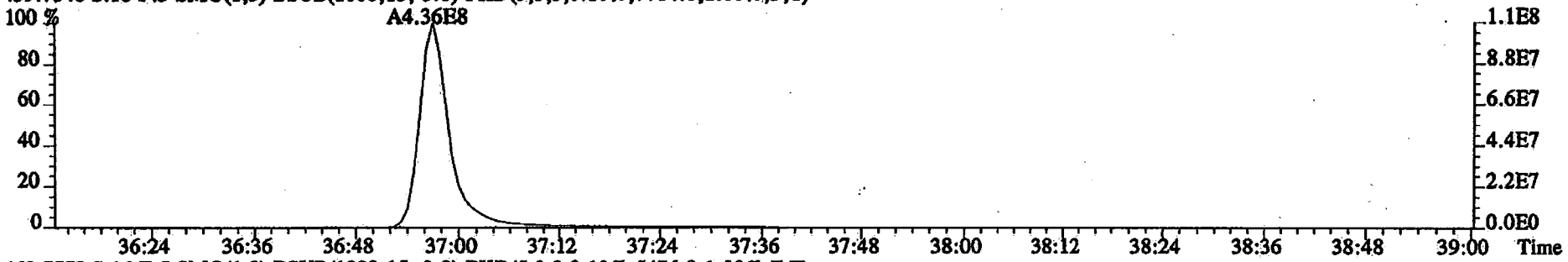
U855

File:23MR059D5 #1-227 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

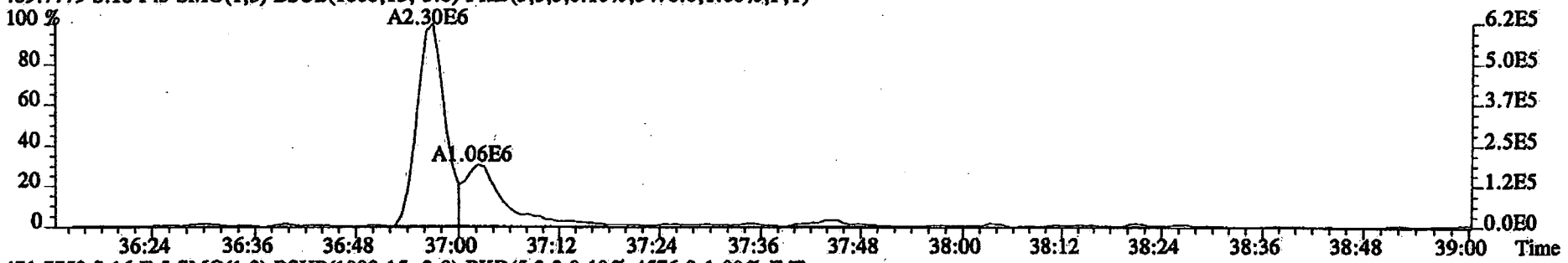
457.7377 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7188.0,1.00%,F,T)



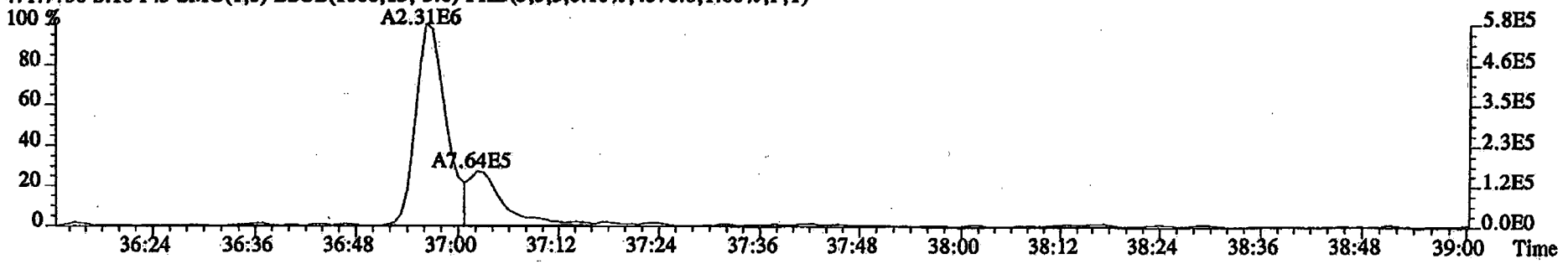
459.7348 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7784.0,1.00%,F,T)



469.7779 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5476.0,1.00%,F,T)



471.7750 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4576.0,1.00%,F,T)

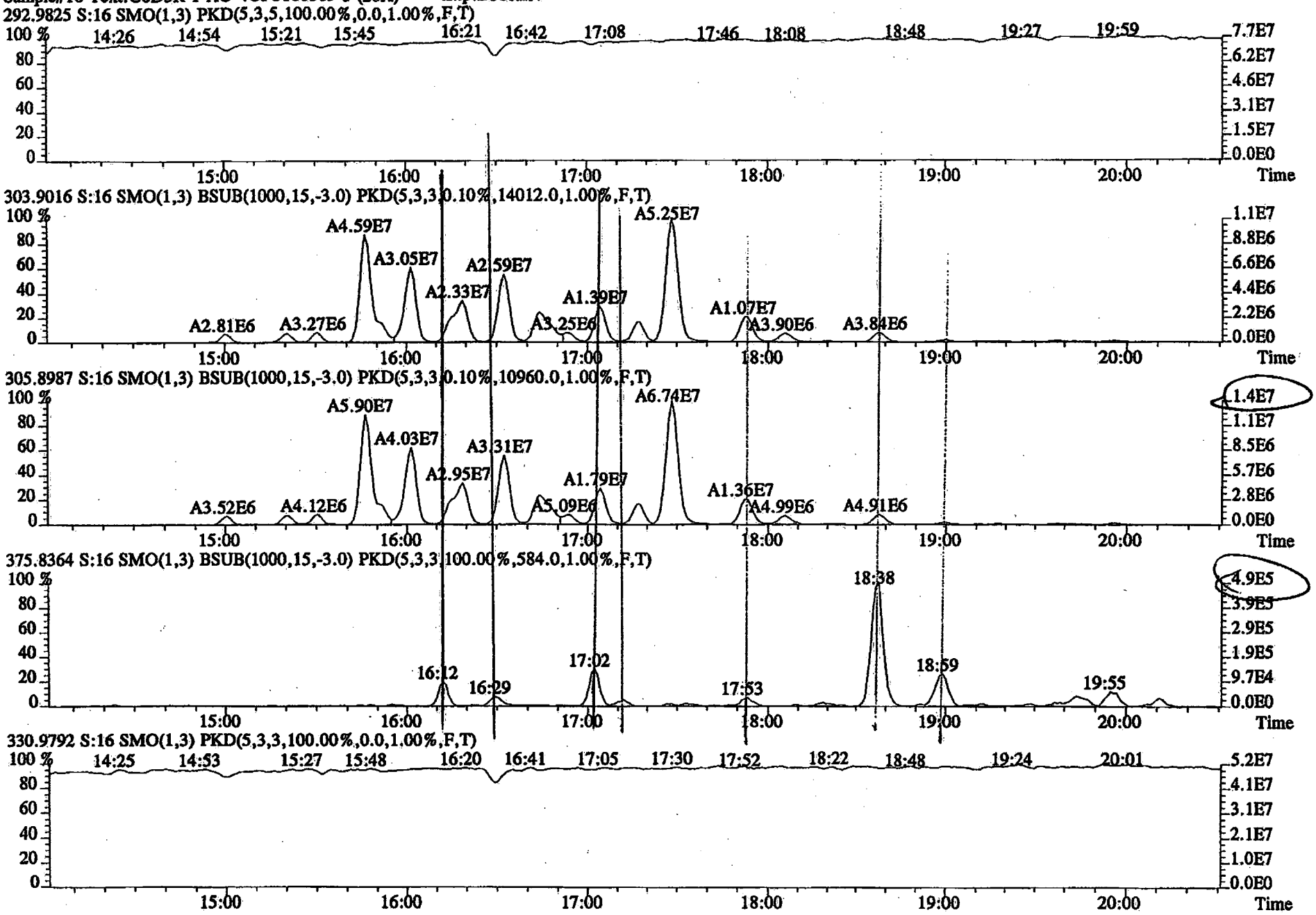


961

STL Edison

U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN



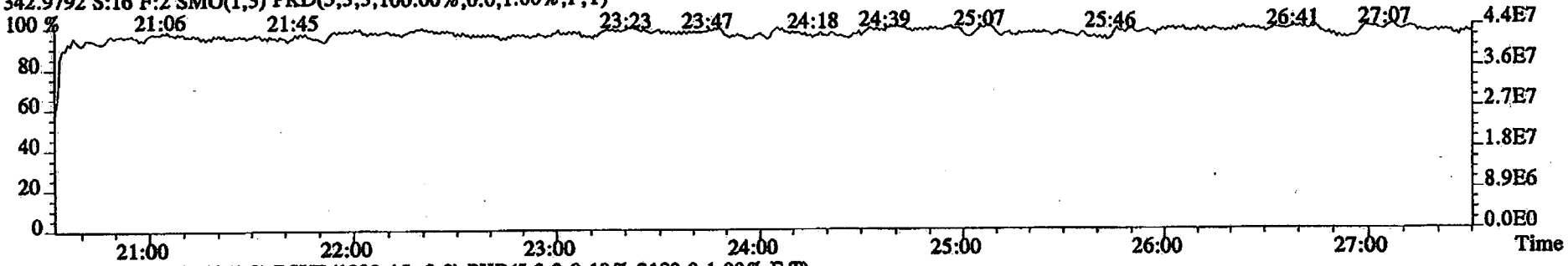
962

STL Edison

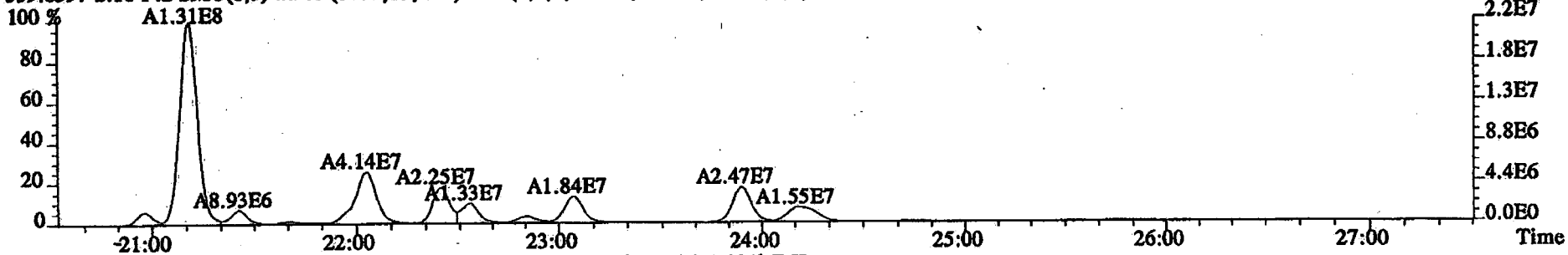
U855

File:23MR059D5 #1-556 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

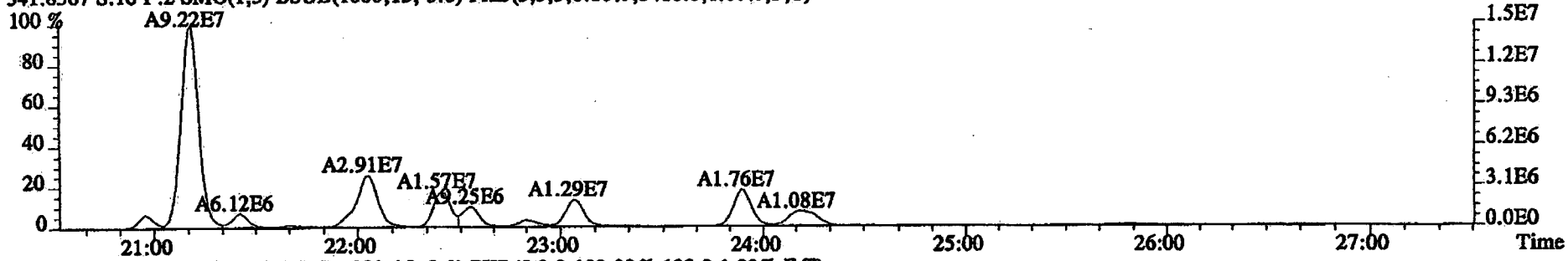
342.9792 S:16 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



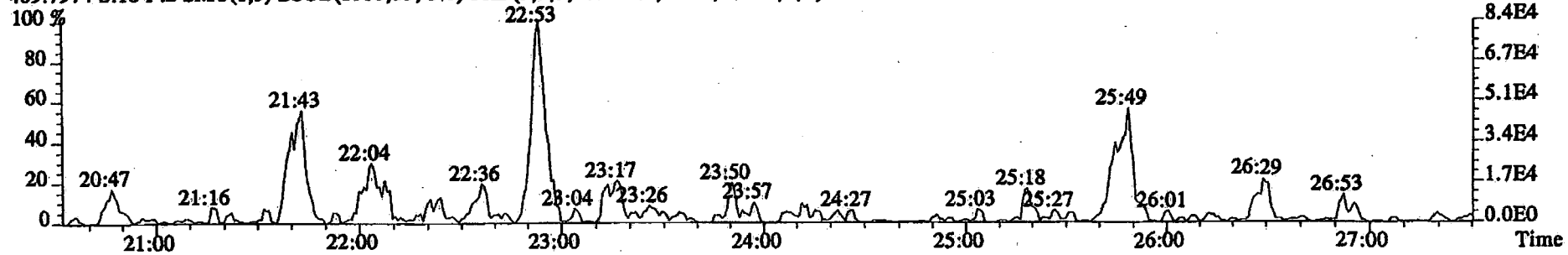
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)



409.7974 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

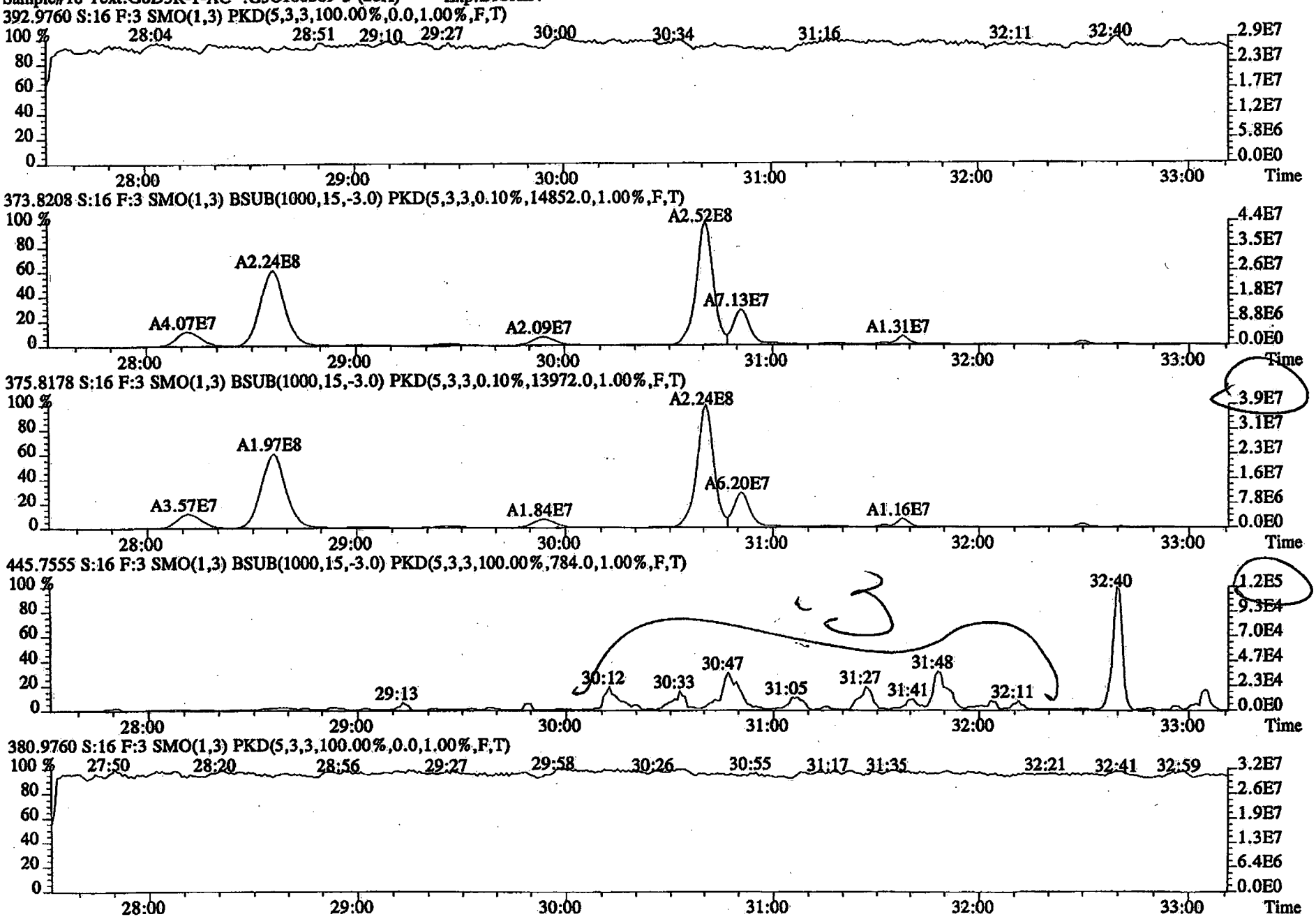


963

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

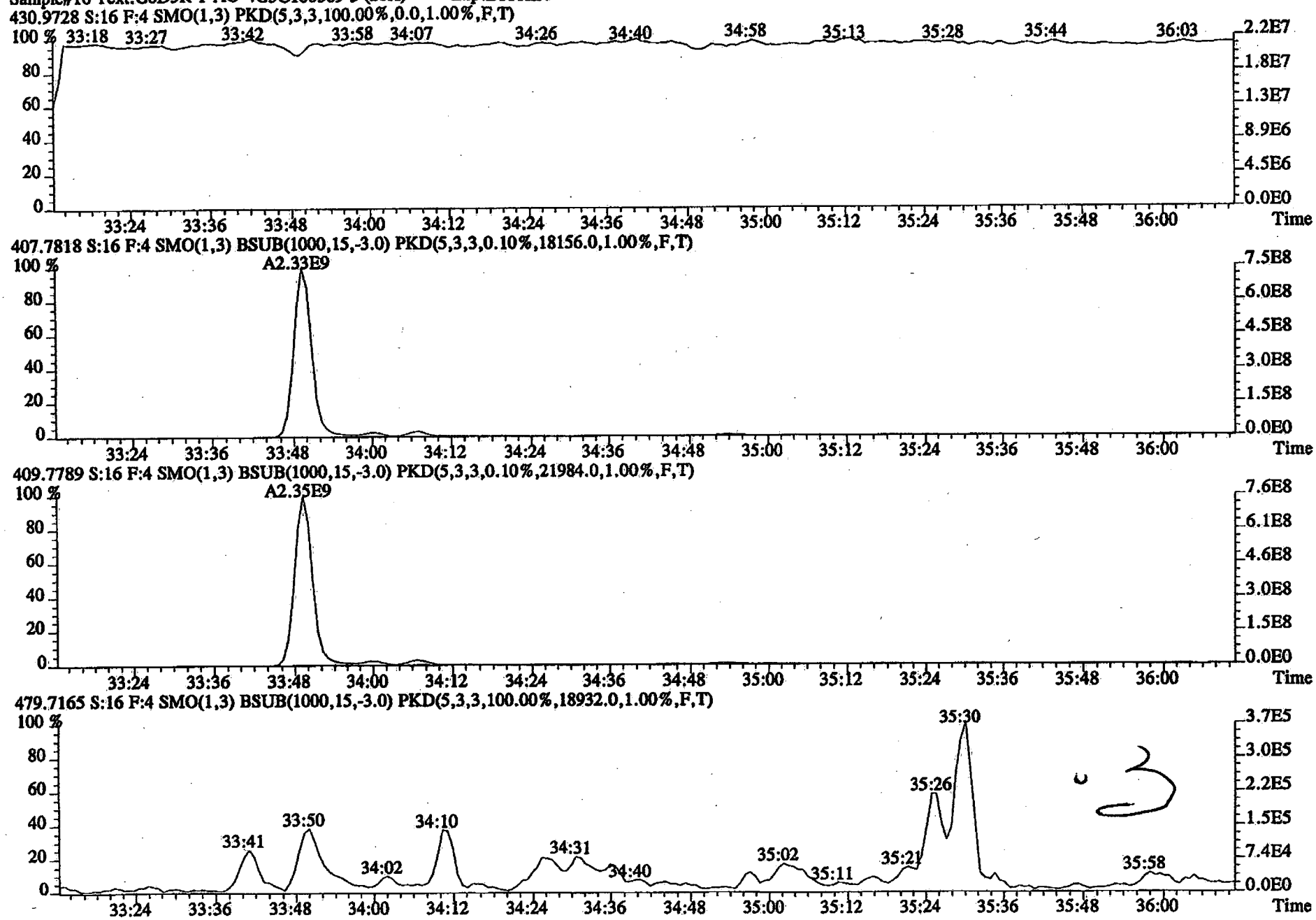


964

STL Edison

U855

File:23MR059D5 #1-238 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN

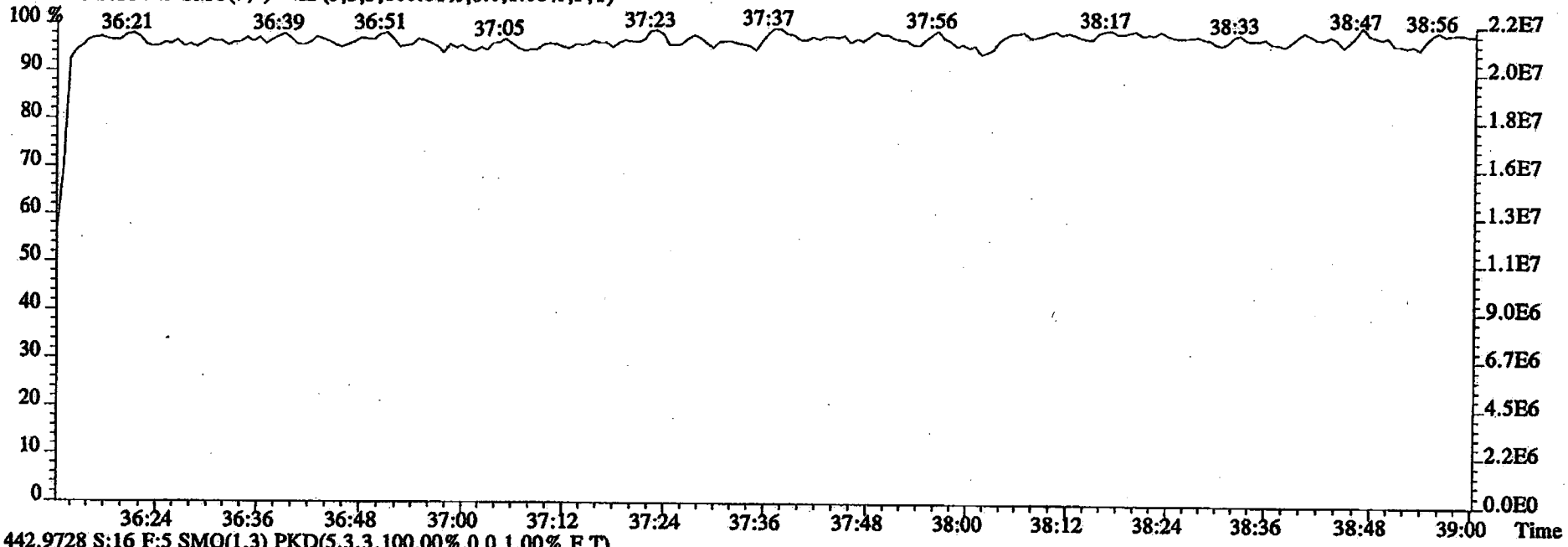


965

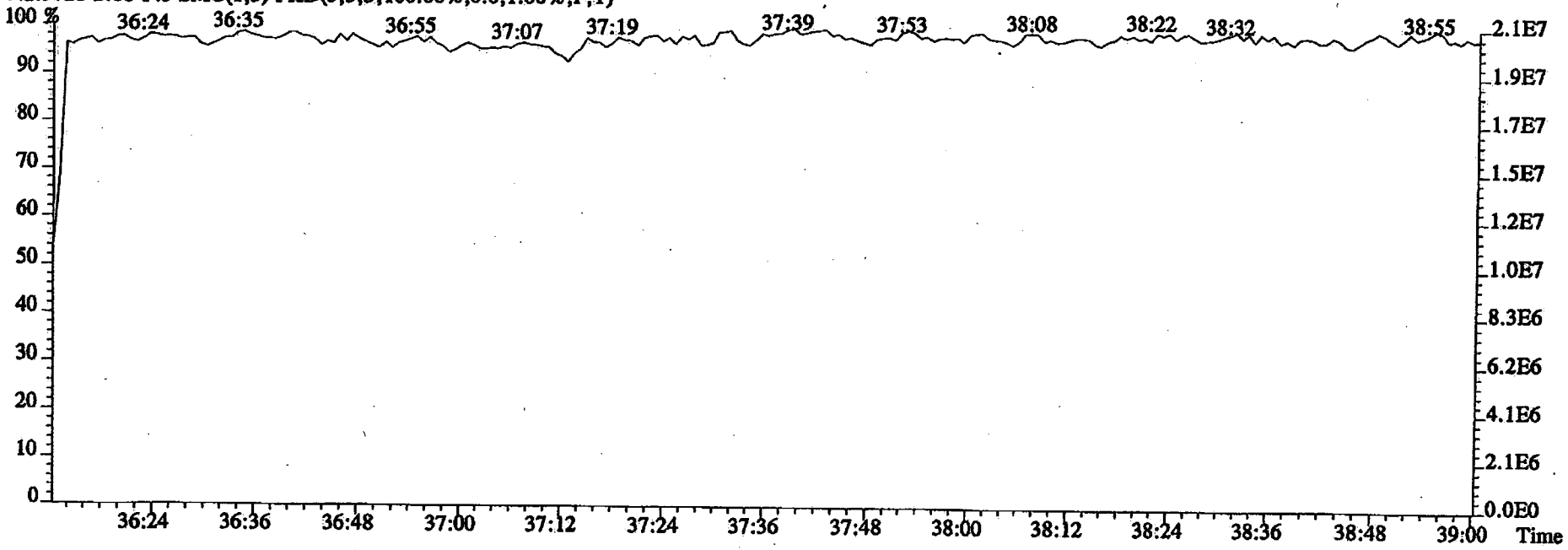
STL Edison

U855

File:23MR059D5 #1-227 Acq:24-MAR-2005 02:44:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DIOXIN
454.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



966
STL Edison
U855

Run text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)
Run #32 Filename: 24MR057D2 S: 39 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 09:31:57 Processed: 25-MAR-05 12:33:52
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

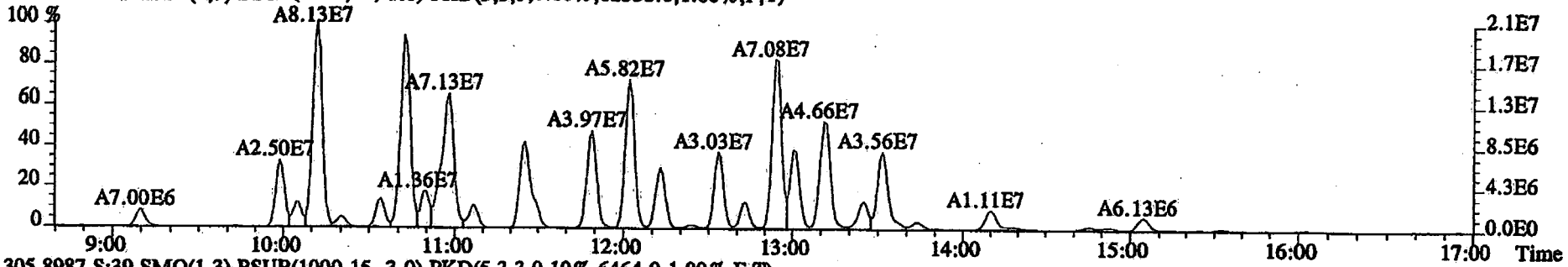
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	5343780	0.82	y	12:04	-	0.36		-	-	n
13C-2,3,7,8-TCDF	6360800	0.83	y	13:00	1.74	136.77		7.71	68.4	y
2,3,7,8-TCDF	75596400	0.78	y	13:00	0.78	3042.67	Con	9.08	-	y
13C-2,3,7,8-TCDD	3706970	0.78	y	11:51	1.10	126.17		5.39	63.1	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.83	*		41.46	-	n
37Cl-2,3,7,8-TCDD	1500552	1.00	y	11:51	0.97	57.73		14.16	72.2	n

8/31/05

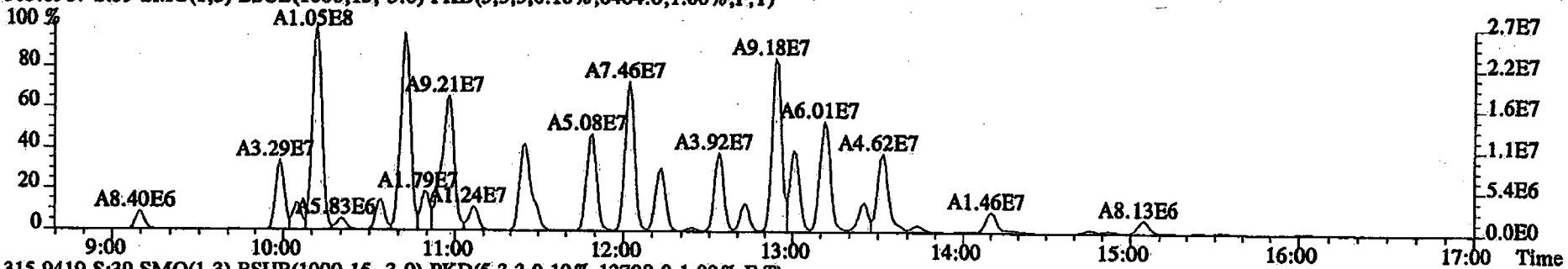
Run text: G6D3R-1-AC Sample text: G6D3R-1-AC :G5C160389-3 (20X)
Run #32 Filename: 24MR057D2 S: 39 I: 1 Results: 24MR057D2DB225
Acquired: 25-MAR-05 09:31:57 Processed: 25-MAR-05 12:33:52
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.000 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	5343780	0.82	y	12:04	-	0.36	-	-	n
13C-2,3,7,8-TCDF	6145192	0.92	n	13:00	1.74	132.13	7.71	66.1	n
2,3,7,8-TCDF	162539500	0.77	y	12:54	0.78	6771.56	9.75	-	n
13C-2,3,7,8-TCDD	3706970	0.78	y	11:51	1.10	126.17	5.39	63.1	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.83	*	41.46	-	n
37Cl-2,3,7,8-TCDD	1500552	1.00	y	11:51	0.97	57.73	14.16	72.2	n

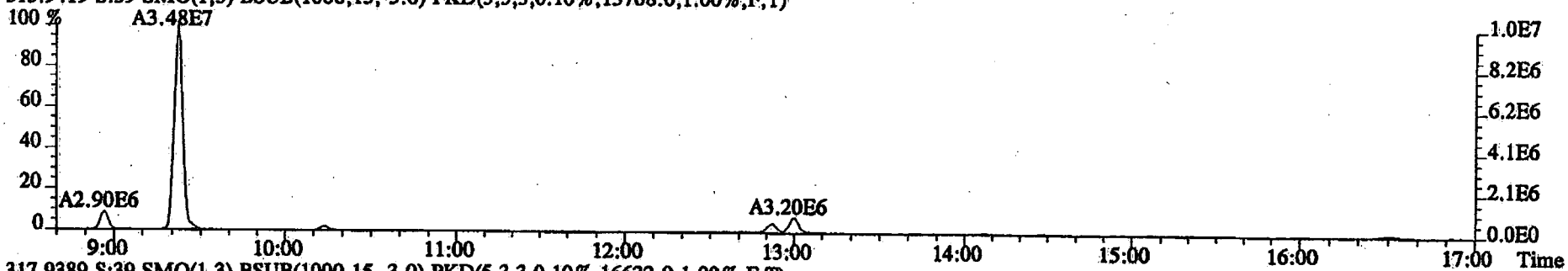
File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DB225
303.9016 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12536.0,1.00%,F,T)



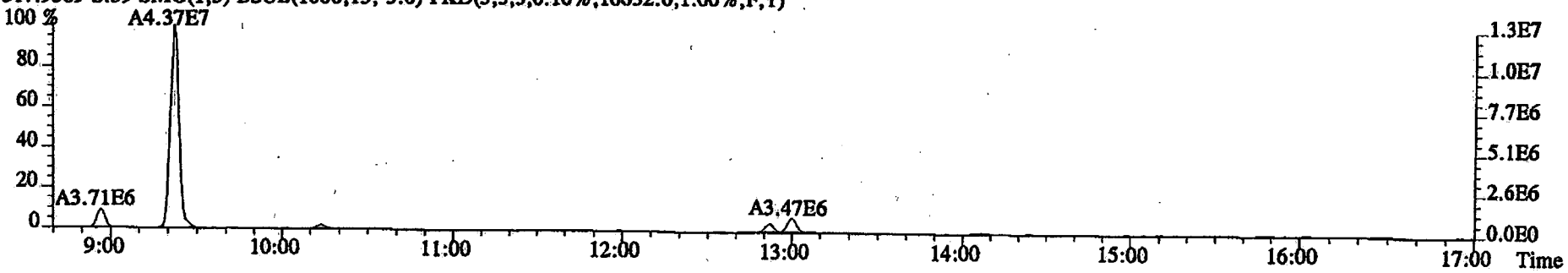
305.8987 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)



315.9419 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13708.0,1.00%,F,T)



317.9389 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16632.0,1.00%,F,T)



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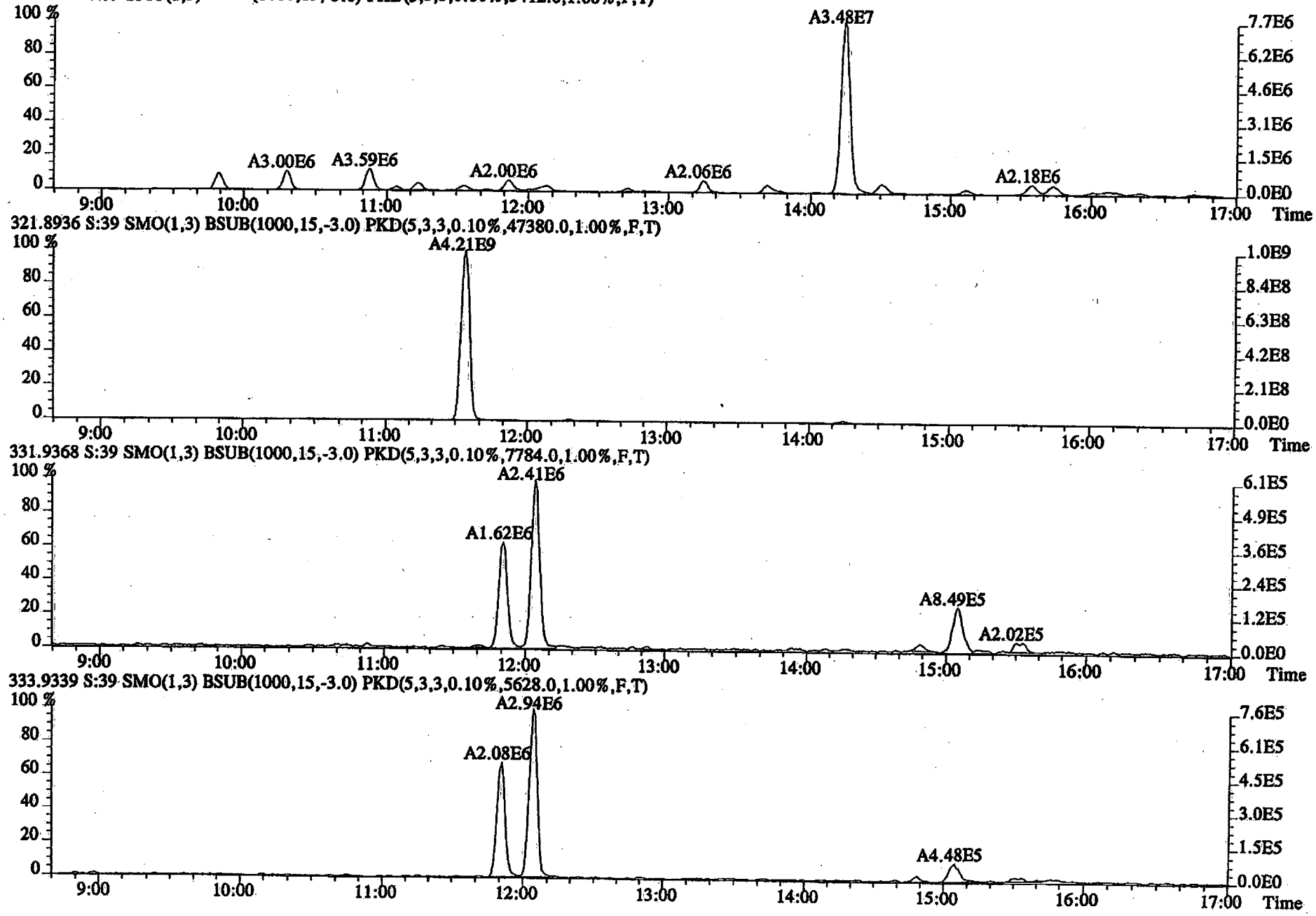
File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DB225

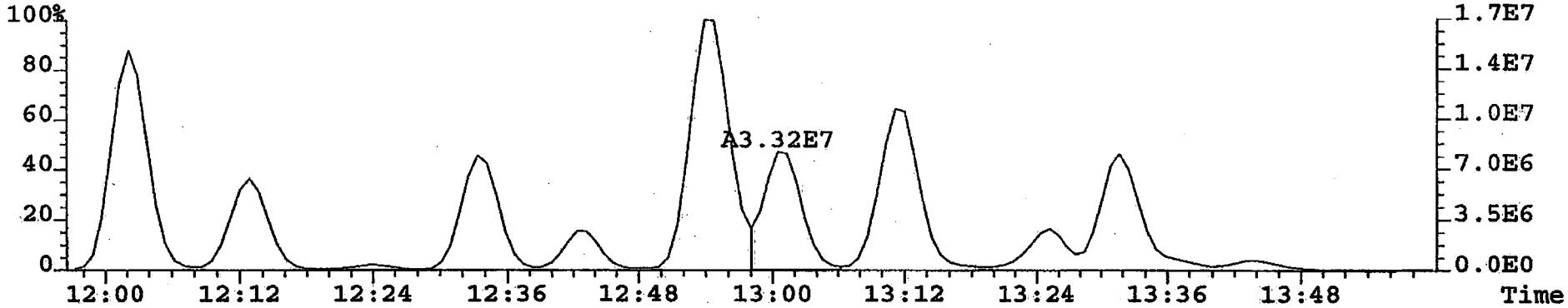


970

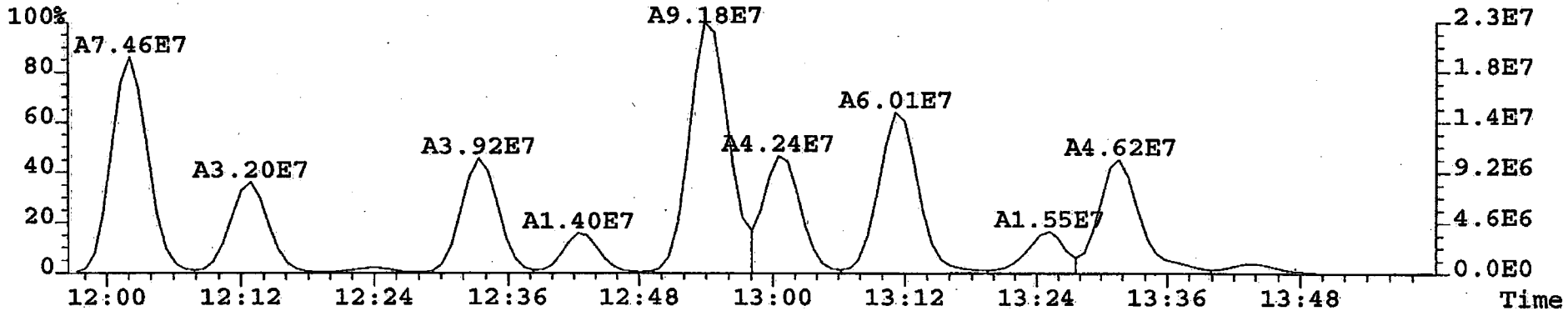
STL Edison

U855

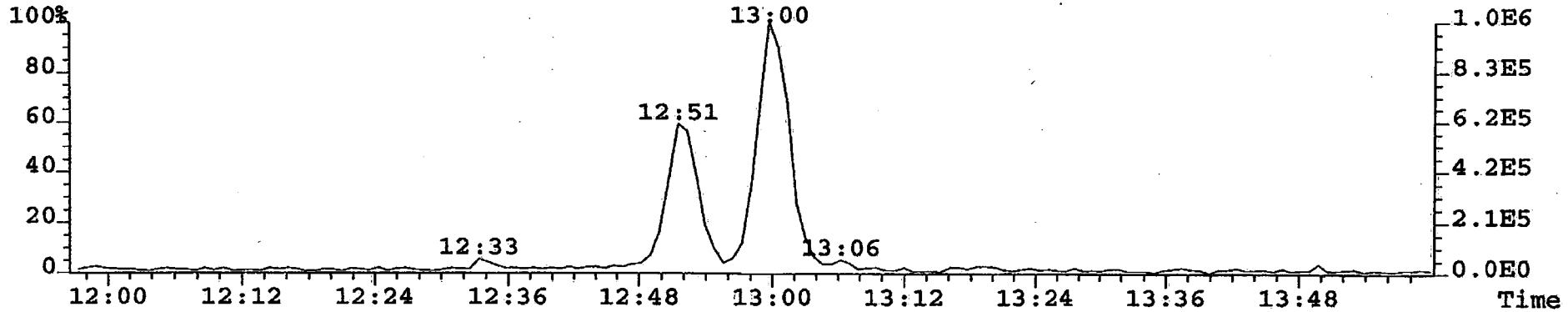
File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 Exp:DB225
303.9016 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12536.0,1.00%,F,T)



305.8987 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)



317.9389 S:39

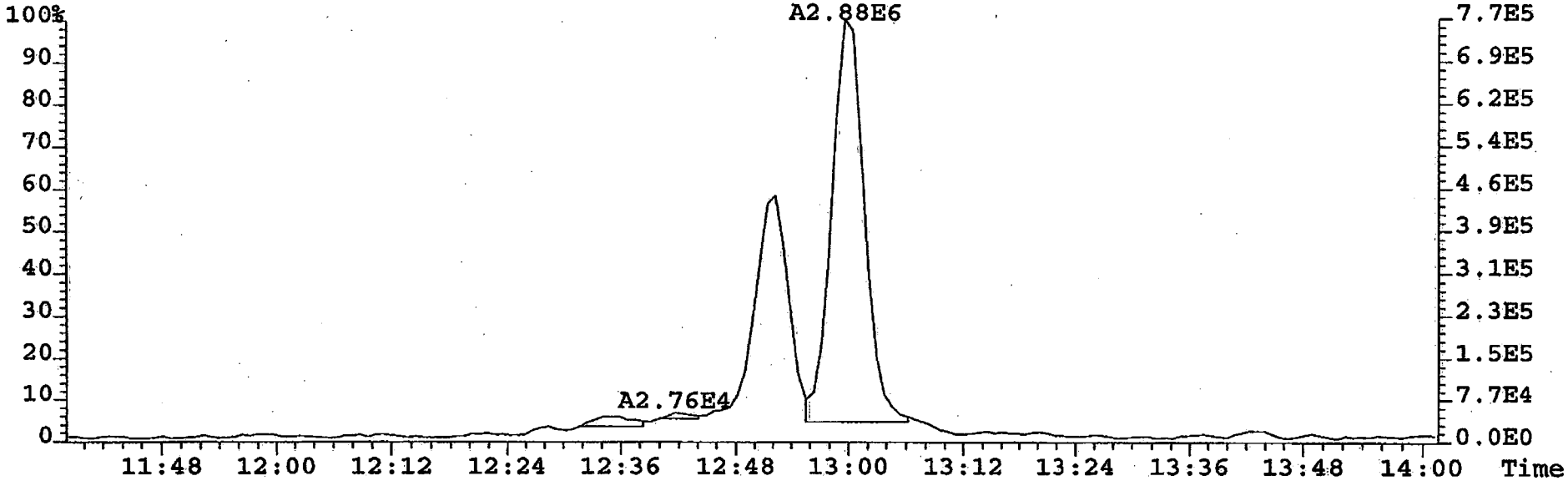


971

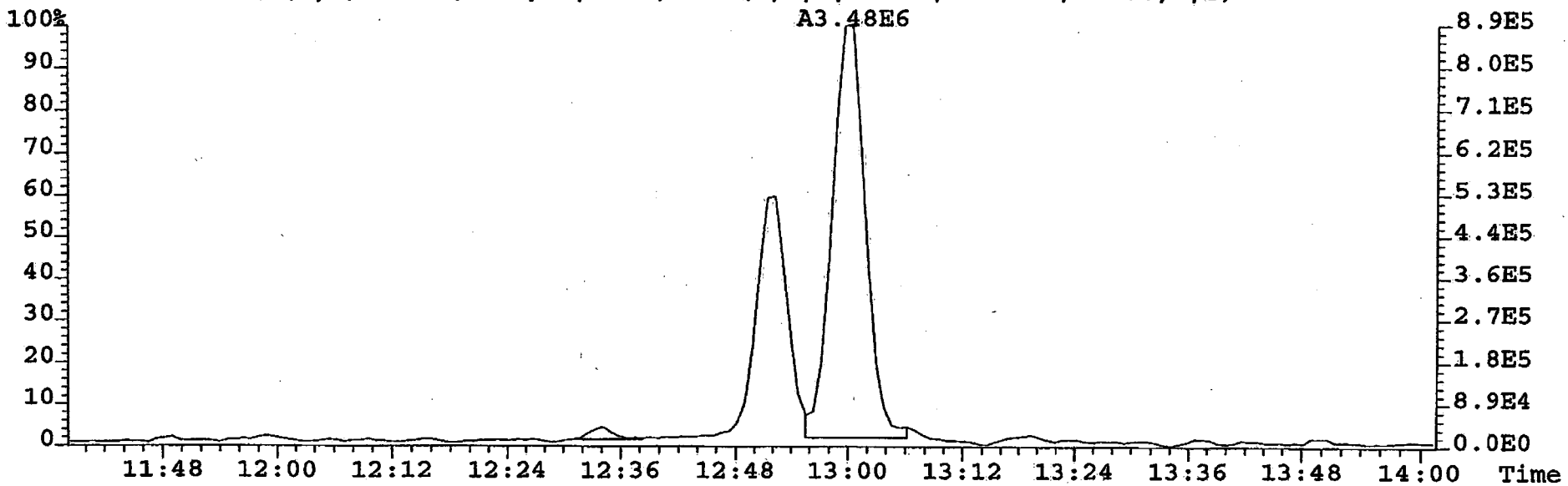
STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 Exp:DB225
315.9419 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13708.0,1.00%,F,T)



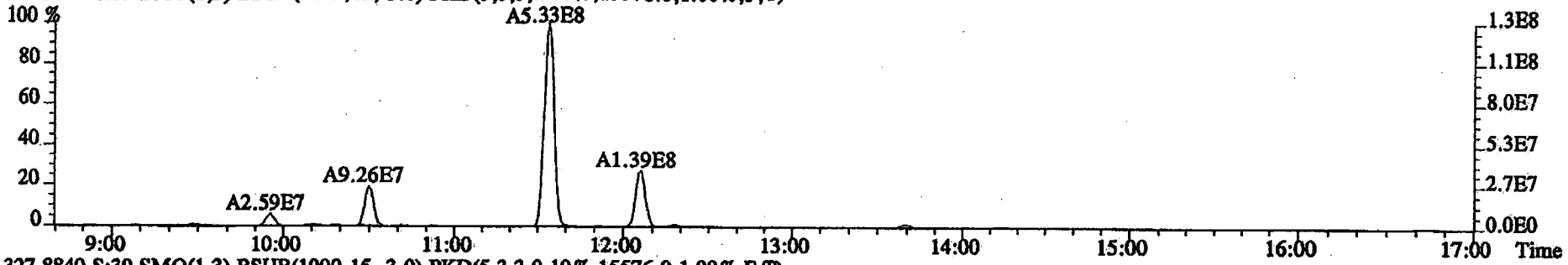
317.9389 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16632.0,1.00%,F,T)



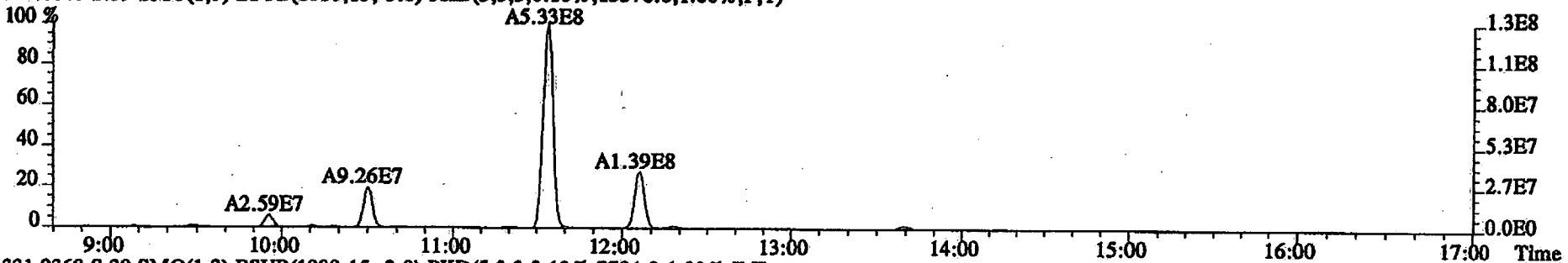
972
STL Edison
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DB225

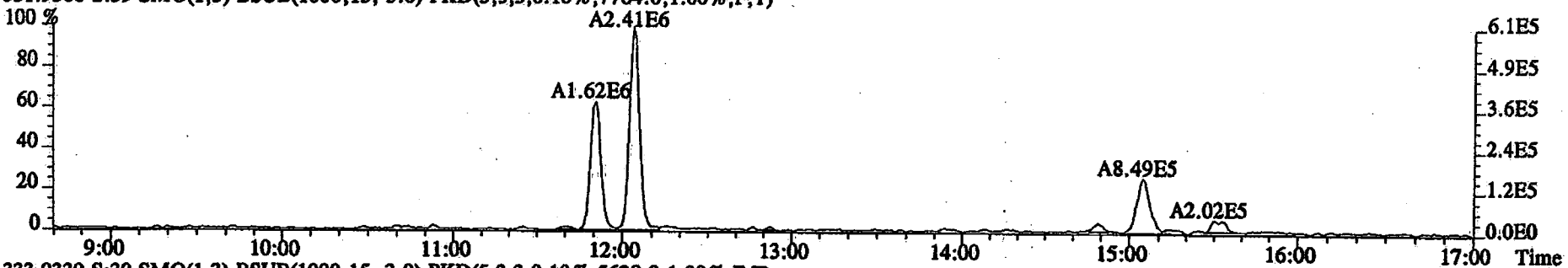
327.8840 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15576.0,1.00%,F,T)



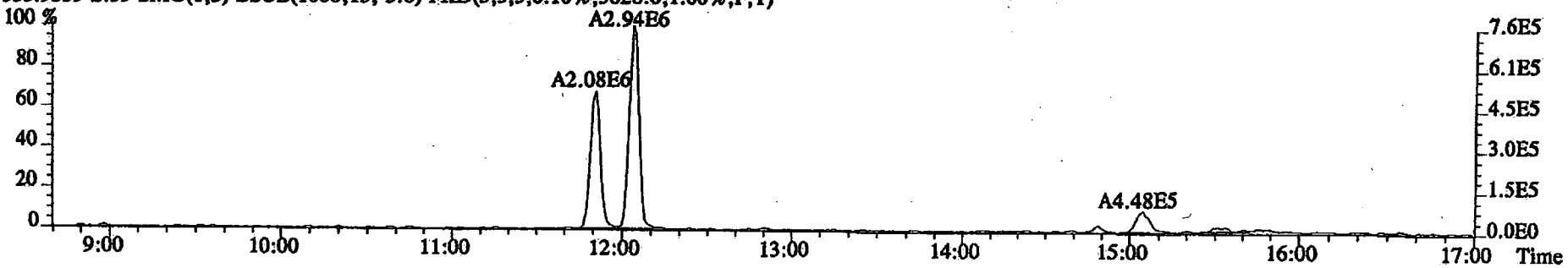
327.8840 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15576.0,1.00%,F,T)



331.9368 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7784.0,1.00%,F,T)



333.9339 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5628.0,1.00%,F,T)

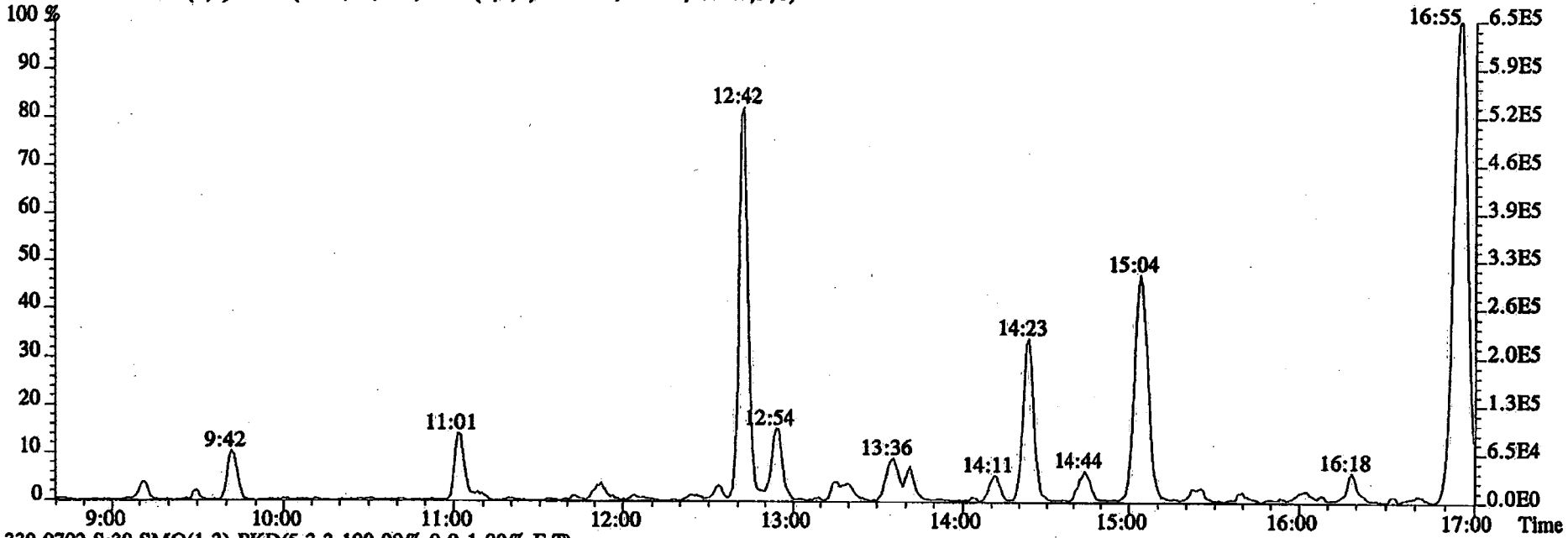


973

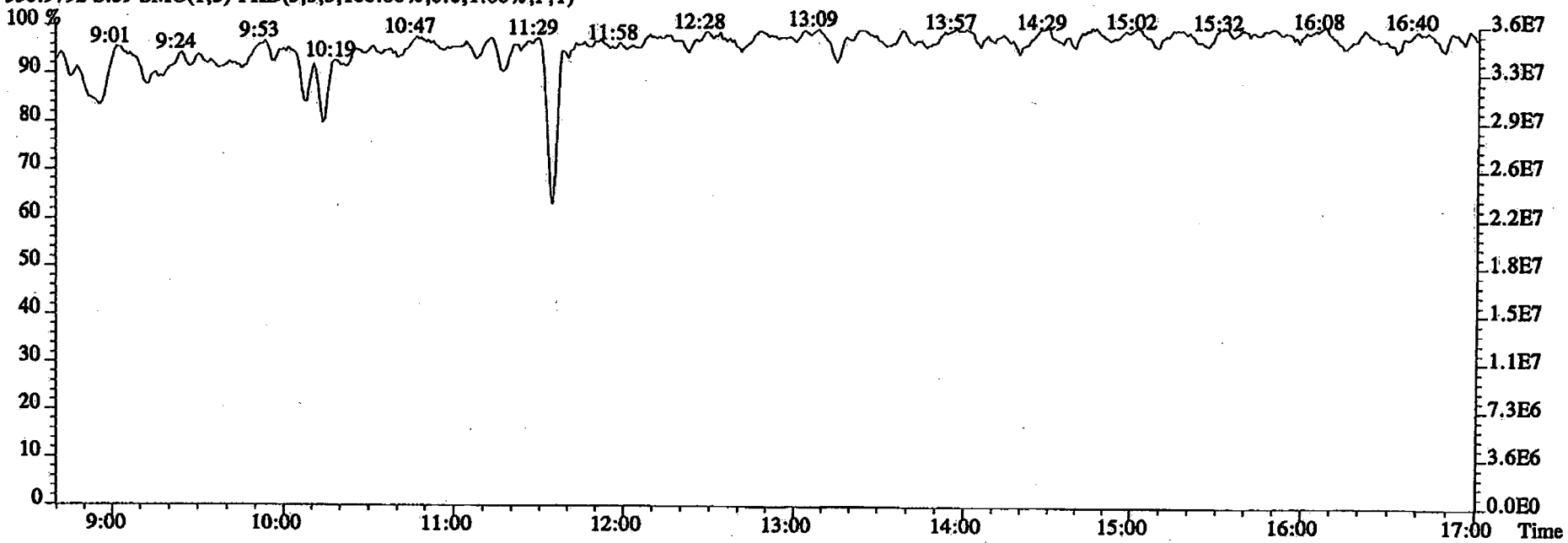
STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 09:31:57 GC EI+ Voltage SIR 70S
Sample#39 Text:G6D3R-1-AC :G5C160389-3 (20X) Exp:DB225
375.8364 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3080.0,1.00%,F,T)



330.9792 S:39 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



974

STL Edison

U855

SEVERN TRENT SERVICES

Daily Standard Checklist
High Resolution

Method ID 8290

Associated ICAL 8290120904905

Column ID DB-5

Instrument ID 905

STD ID STO323A & STO323B

STD Solution 2416-23C

Analyzed By AMessecar

Date Analyzed 3-23-05/3-24-05

Prepared By Cleckell

Date Prepared 3-25-05

Reviewed By SMA

Date Reviewed 3-25-05

ANALYSIS DECCAL	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard and ending Static Resolutions present	✓	✓

COMMENTS:

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
PAH: +/- 30% from curve RRFs for native and labeled compounds.
PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0323A File text: CS-3 2416-23C
Run #7 Filename 23MR059D5 S: 3 I: 1
Acquired: 23-MAR-05 17:42:13 Processed: 23-MAR-05 18:23:11
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D58290

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	69586000	0.75	y	17:57	-	100.00	-	n
13C-2,3,7,8-TCDF	107905700	0.86	y	17:26	1.55	100.00	-1.2	n
2,3,7,8-TCDF	8610610	0.77	y	17:27	0.80	10.00	1.1	n
Total TCDF	8865565	0.65	n	16:33	0.80	10.00	1.1	n
13C-2,3,7,8-TCDD	77516600	0.72	y	18:08	1.11	100.00	3.9	n
2,3,7,8-TCDD	6558530	0.82	y	18:10	0.85	10.00	-13.2	n
Total TCDD	6656655	4.71	n	17:26	0.85	10.00	-13.2	n
37Cl-2,3,7,8-TCDD	6604300	1.00	y	18:10	0.95	10.00	-6.5	n
13C-1,2,3,7,8-PeCDF	74271200	1.47	y	22:31	1.07	100.00	-15.5	n
1,2,3,7,8-PeCDF	30755100	1.41	y	22:32	0.83	50.00	1.3	n
2,3,4,7,8-PeCDF	32506600	1.43	y	23:54	0.88	50.00	3.9	n
Total F2 PeCDF	64075262	1.75	y	21:11	0.85	100.00	2.7	n
Total F1 PeCDF	*	*	n	NotFnd	0.85	100.00	2.7	n
13C-1,2,3,7,8-PeCDD	45870500	1.44	y	24:36	0.66	100.00	-17.7	n
1,2,3,7,8-PeCDD	23471790	1.48	y	24:38	1.02	50.00	-0.8	n
Total PeCDD	23831369	3.15	n	22:31	1.02	50.00	-0.8	n
13C-1,2,3,7,8,9-HxCDD	49906800	1.39	y	32:13	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	53634200	0.48	y	30:39	1.07	100.00	3.8	n
1,2,3,4,7,8-HxCDF	26772000	1.17	y	30:41	1.00	50.00	-4.2	n
1,2,3,6,7,8-HxCDF	31316900	1.15	y	30:51	1.17	50.00	7.4	n
2,3,4,6,7,8-HxCDF	27673100	1.17	y	31:38	1.03	50.00	3.1	n
1,2,3,7,8,9-HxCDF	24528600	1.14	y	32:25	0.91	50.00	-3.7	n
Total HxCDF	110823789	1.54	n	28:36	1.03	200.00	0.8	n
13C-1,2,3,6,7,8-HxCDD	47776100	1.38	y	31:54	0.96	100.00	11.9	n
1,2,3,4,7,8-HxCDD	18954730	1.18	y	31:48	0.79	50.00	-14.9	n
1,2,3,6,7,8-HxCDD	24105000	1.15	y	31:55	1.01	50.00	3.2	n
1,2,3,7,8,9-HxCDD	22972900	1.19	y	32:14	0.96	50.00	-4.4	n
Total HxCDD	66443742	1.18	y	31:48	0.92	150.00	-5.2	n
13C-1,2,3,4,6,7,8-HpCDF	50110000	0.45	y	33:49	1.00	100.00	4.0	n
1,2,3,4,6,7,8-HpCDF	28581100	0.98	y	33:49	1.14	50.00	0.7	n
1,2,3,4,7,8,9-HpCDF	24015200	1.02	y	34:53	0.96	50.00	-6.9	n
Total HpCDF	52596300	0.98	y	33:49	1.05	100.00	-2.9	n
13C-1,2,3,4,6,7,8-HpCDD	52665500	1.06	y	34:35	1.06	100.00	8.1	n
1,2,3,4,6,7,8-HpCDD	20476800	1.02	y	34:36	0.78	50.00	-9.3	n
Total HpCDD	20607561	2.48	n	33:49	0.78	50.00	-9.3	n
13C-OCDD	94708100	0.89	y	36:57	0.95	200.00	2.6	n
OCDF	44479000	0.88	y	37:03	0.94	100.00	-8.9	n
OCDD	40272400	0.90	y	36:58	0.85	100.00	-6.8	n

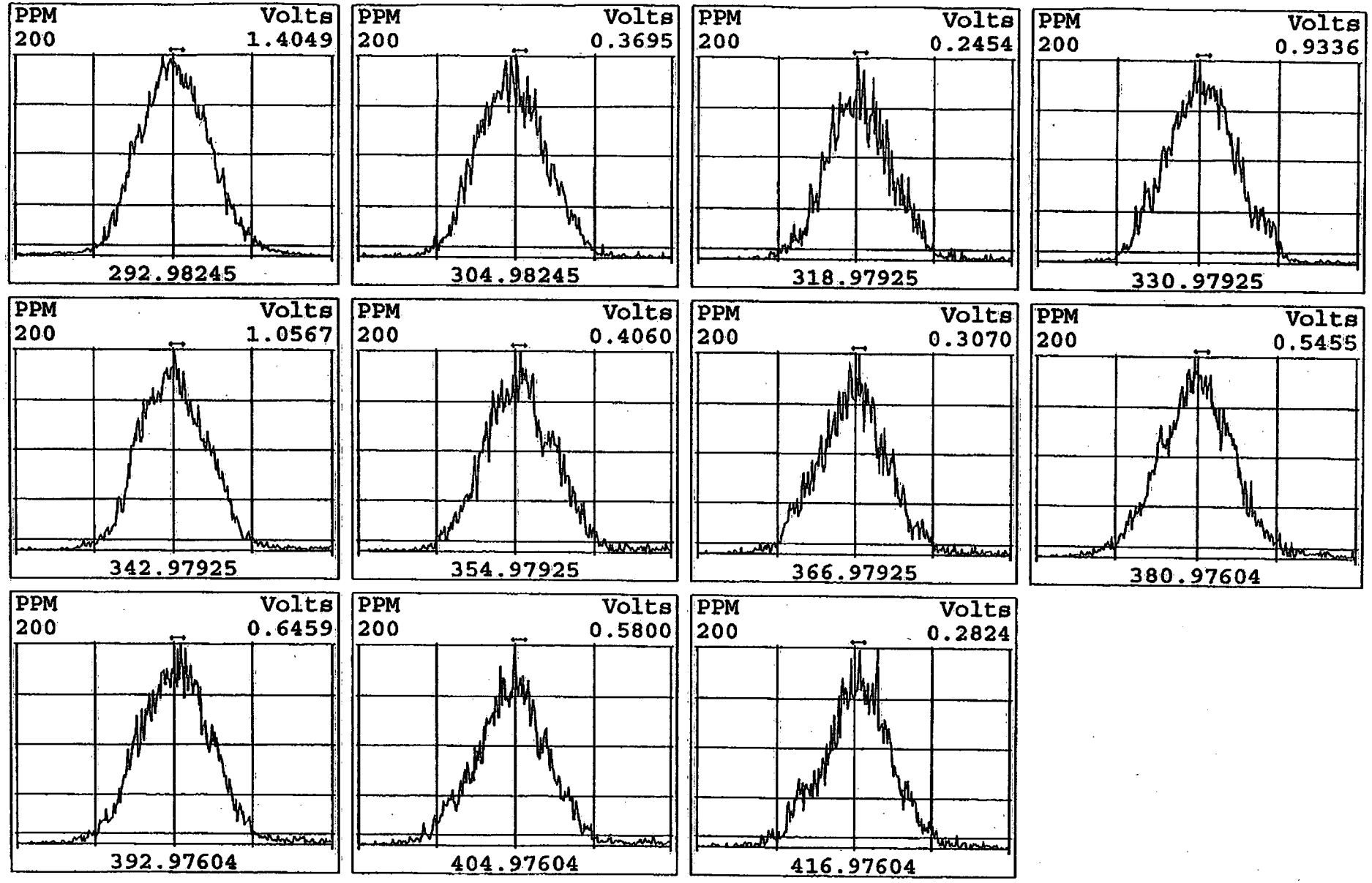
Run text: ST0323B File text: ST0323B :CS3 2416-23C
Run #23 Filename 23MR059D5 S: 22 I: 1
Acquired: 24-MAR-05 06:55:11 Processed: 24-MAR-05 15:03:54
Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 23MR059D58290

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	64033392	0.76	y	17:57	-	100.00	-	n
13C-2,3,7,8-TCDF	99980712	0.84	y	17:26	1.56	100.00	-0.5	n
2,3,7,8-TCDF	7596433	0.77	y	17:27	0.76	10.00	-3.7	n
Total TCDF	7848207	0.81	y	16:32	0.76	10.00	-3.7	n
13C-2,3,7,8-TCDD	73283242	0.73	y	18:08	1.14	100.00	6.7	n
2,3,7,8-TCDD	6163059	0.85	y	18:09	0.84	10.00	-13.8	n
Total TCDD	6187575	0.85	y	18:09	0.84	10.00	-13.8	n
37Cl-2,3,7,8-TCDD	5963598	1.00	y	18:10	0.93	10.00	-8.3	n
13C-1,2,3,7,8-PeCDF	68079194	1.45	y	22:31	1.06	100.00	-15.9	n
1,2,3,7,8-PeCDF	28445508	1.46	y	22:33	0.84	50.00	2.3	n
2,3,4,7,8-PeCDF	28218009	1.46	y	23:53	0.83	50.00	-1.6	n
Total F2 PeCDF	57311993	0.38	n	21:06	0.83	100.00	0.3	n
Total F1 PeCDF	49703	2.39	n	17:57	0.83	100.00	0.3	n
13C-1,2,3,7,8-PeCDD	39767262	1.47	y	24:36	0.62	100.00	-22.5	n
1,2,3,7,8-PeCDD	20692961	1.47	y	24:38	1.04	50.00	0.9	n
Total PeCDD	21007168	3.16	n	22:31	1.04	50.00	0.9	n
13C-1,2,3,7,8,9-HxCDD	46397782	1.39	y	32:14	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	48373799	0.50	y	30:39	1.04	100.00	0.7	n
1,2,3,4,7,8-HxCDF	23618591	1.16	y	30:41	0.98	50.00	-6.3	n
1,2,3,6,7,8-HxCDF	27820835	1.16	y	30:51	1.15	50.00	5.8	n
2,3,4,6,7,8-HxCDF	23691686	1.14	y	31:38	0.98	50.00	-2.1	n
1,2,3,7,8,9-HxCDF	22169538	1.16	y	32:25	0.92	50.00	-3.5	n
Total HxCDF	97359529	1.16	y	30:41	1.01	200.00	-1.4	n
13C-1,2,3,6,7,8-HxCDD	44260746	1.36	y	31:54	0.95	100.00	11.5	n
1,2,3,4,7,8-HxCDD	17019801	1.15	y	31:49	0.77	50.00	-17.5	n
1,2,3,6,7,8-HxCDD	23133613	1.19	y	31:55	1.05	50.00	6.9	n
1,2,3,7,8,9-HxCDD	21802548	1.16	y	32:14	0.99	50.00	-2.0	n
Total HxCDD	62036491	3.52	n	31:36	0.93	150.00	-4.0	n
13C-1,2,3,4,6,7,8-HpCDF	45464994	0.46	y	33:49	0.98	100.00	1.5	n
1,2,3,4,6,7,8-HpCDF	25419570	0.99	y	33:49	1.12	50.00	-1.3	n
1,2,3,4,7,8,9-HpCDF	21356689	1.00	y	34:55	0.94	50.00	-8.7	n
Total HpCDF	46884208	0.99	y	33:49	1.03	100.00	-4.8	n
13C-1,2,3,4,6,7,8-HpCDD	47906082	1.04	y	34:36	1.03	100.00	5.7	n
1,2,3,4,6,7,8-HpCDD	18871945	1.03	y	34:37	0.79	50.00	-8.1	n
Total HpCDD	19144866	3.57	n	33:49	0.79	50.00	-8.1	n
13C-OCDD	83351744	0.90	y	36:58	0.90	200.00	-2.9	n
OCDF	39092300	0.88	y	37:04	0.94	100.00	-9.0	n
OCDD	35325796	0.91	y	36:58	0.85	100.00	-7.1	n

ata file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
23MR059D5	1	ST0323	CS3 2416-23C - out see at				1.000	
23MR059D5	2	CP0323	DB-5 CPSM 2416-32				1.000	
23MR059D5	3	ST0323A	CS3 2416-23C				1.000	
23MR059D5	4	SB0323	Solvent Blank C-14				1.000	
23MR059D5	5	G6QHW-1-AA	G5C220000-394B	20	8290/SOLID	10	10.000	g
23MR059D5	6	G6QHW-1-AC	G5C220000-394C	20	8290/SOLID		10.000	g
23MR059D5	7	G6QHW-1-AD	G5C220000-394L	20	8290/SOLID		10.000	g
23MR059D5	8	G44LK-1-DU	F5B240371-3	20	8290/SOLID		10.000	g
23MR059D5	9	G44LK-1-DV	F5B240371-3S	20	8290/SOLID		10.000	g
23MR059D5	10	G44LK-1-DW	F5B240371-3D	20	8290/SOLID		10.000	g
23MR059D5	11	G44LT-1-ED	F5B240371-4	20	8290/SOLID		10.000	g
23MR059D5	12	G5AQP-1-DU	F5C010229-3	20	8290/SOLID		10.000	g
23MR059D5	13	G5ATC-1-D8	F5C010229-4	20	8290/SOLID		10.000	g
23MR059D5	14	G6D3M-1-AC	G5C160389-1 (10X)	20	8290/SOLID	9	10.000	g
23MR059D5	15	G6D3P-1-AC	G5C160389-2 (10X)	20	8290/SOLID		10.000	g
23MR059D5	16	G6D3R-1-AC	G5C160389-3 (20X)	20	8290/SOLID		10.000	g
23MR059D5	17	G55TH-1-AC	G5C120181-3 (40X)	20	8290/SOLID	8	10.000	g
23MR059D5	18	G55TH-1-AD	G5C120181-3S (40X)	20	8290/SOLID		10.000	g
23MR059D5	19	G55TH-1-AE	G5C120181-3D (40X)	20	8290/SOLID		10.000	g
23MR059D5	20	SB0323A	Solvent Blank C-14				1.000	
23MR059D5	21	CP0323A	DB-5 CPSM 2416-32				1.000	
23MR059D5	22	ST0323B	CS3 2416-23C				1.000	
23MR059D5	23	SB0323B	Solvent Blank C-14				1.000	
MR059D5	24	G6P7A-1-AA	G5C220000-305B	20	8290/WATER	10	1.000	L
23MR059D5	25	G6P7A-1-AC	G5C220000-305C	20	8290/WATER		1.000	L
23MR059D5	26	G6D5R-1-AF	D5C160400-1	20	8290/WATER		0.980	L
23MR059D5	27	G47LX-1-DQ	F5B260144-3	20	8290/SOLID		10.000	g
23MR059D5	28	G47MP-1-D8	F5B260144-5	20	8290/SOLID		10.000	g
23MR059D5	29	G6Q5V-1-AC	G5C220000-541C	20	8290/SOLID		10.000	g
23MR059D5	30	G6Q5V-1-AA	G5C220000-541B	20	8290/SOLID		10.000	g
23MR059D5	31	G6P8E-1-AC	G5C220216-1	20	8290/SOLID		10.000	g
23MR059D5	32	G6P8E-1-AD	G5C220216-1S	20	8290/SOLID		10.000	g
23MR059D5	33	G6P8E-1-AE	G5C220216-1D	20	8290/SOLID		10.000	g
23MR059D5	34	G6FWH-1-AE	G5C170276-1	20	8290/WATER		0.979	L
23MR059D5	35	G6FWH-1-AF	G5C170276-1S	20	8290/WATER		0.993	L
23MR059D5	36	G6FWH-1-AG	G5C170276-1D	20	8290/WATER		0.985	L
23MR059D5	37	G6FWV-1-AC	G5C170276-2	20	8290/WATER		0.968	L
23MR059D5	38	SB0323C	Solvent Blank C-14				1.000	
23MR059D5	39	ST0323C	CS3 2416-23C				1.000	
23MR059D5	40						1.000	
23MR059D5	41						1.000	
23MR059D5	42						1.000	
23MR059D5	43						1.000	
23MR059D5	44						1.000	
23MR059D5	45						1.000	
23MR059D5	46						1.000	
23MR059D5	47		AM 03/23/05				1.000	
23MR059D5	48						1.000	

log file checked
3/24/05 am

Peak Locate Examination:23-MAR-2005:16:16 File:23MR059D5
Experiment:DIOXIN Function:1 Reference:PFK



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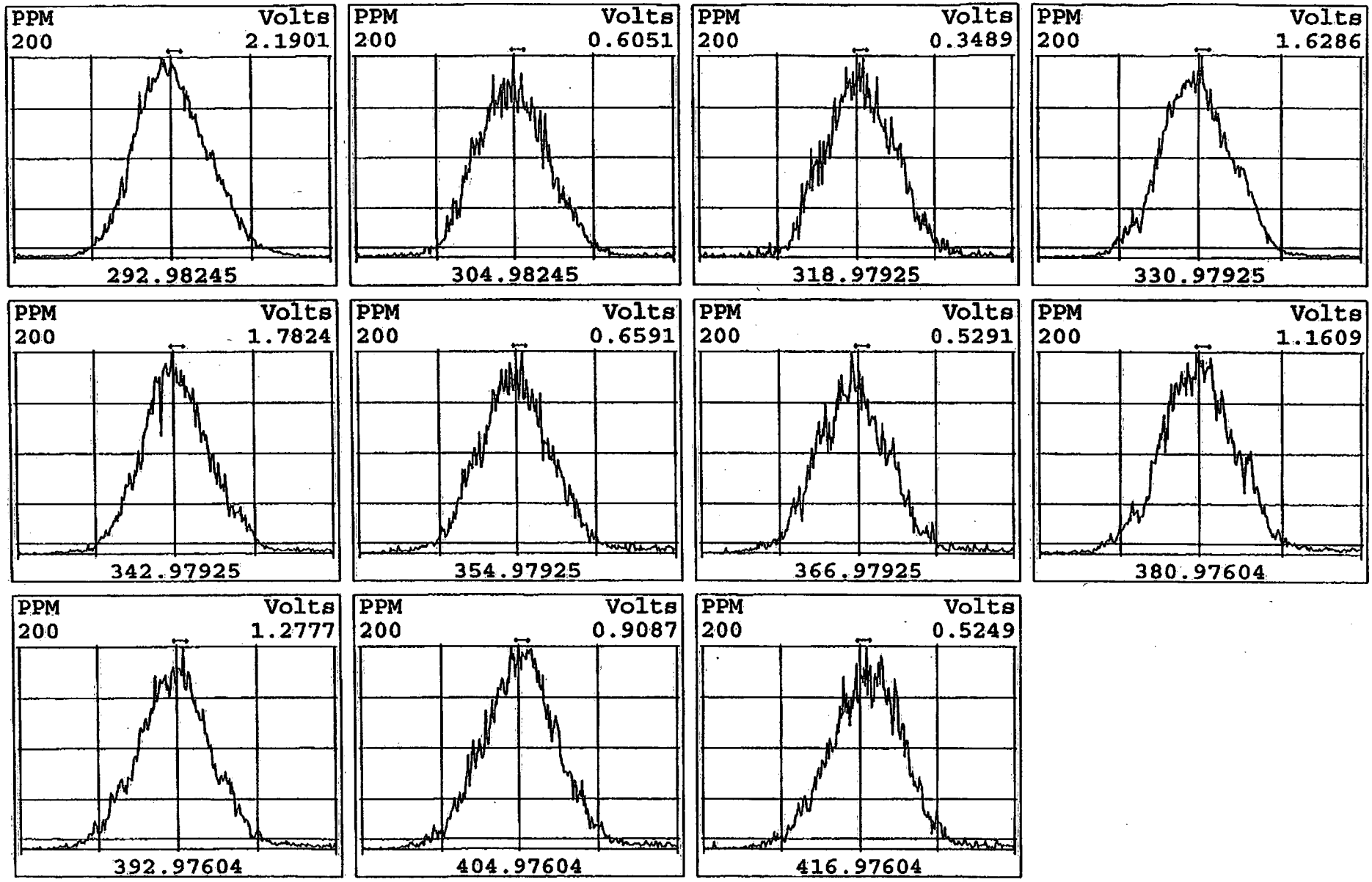
Peak Locate Examination:24-MAR-2005:19:39 File:RESCHK23MR059D5
Experiment:DIOXIN Function:1 Reference:PFK



980
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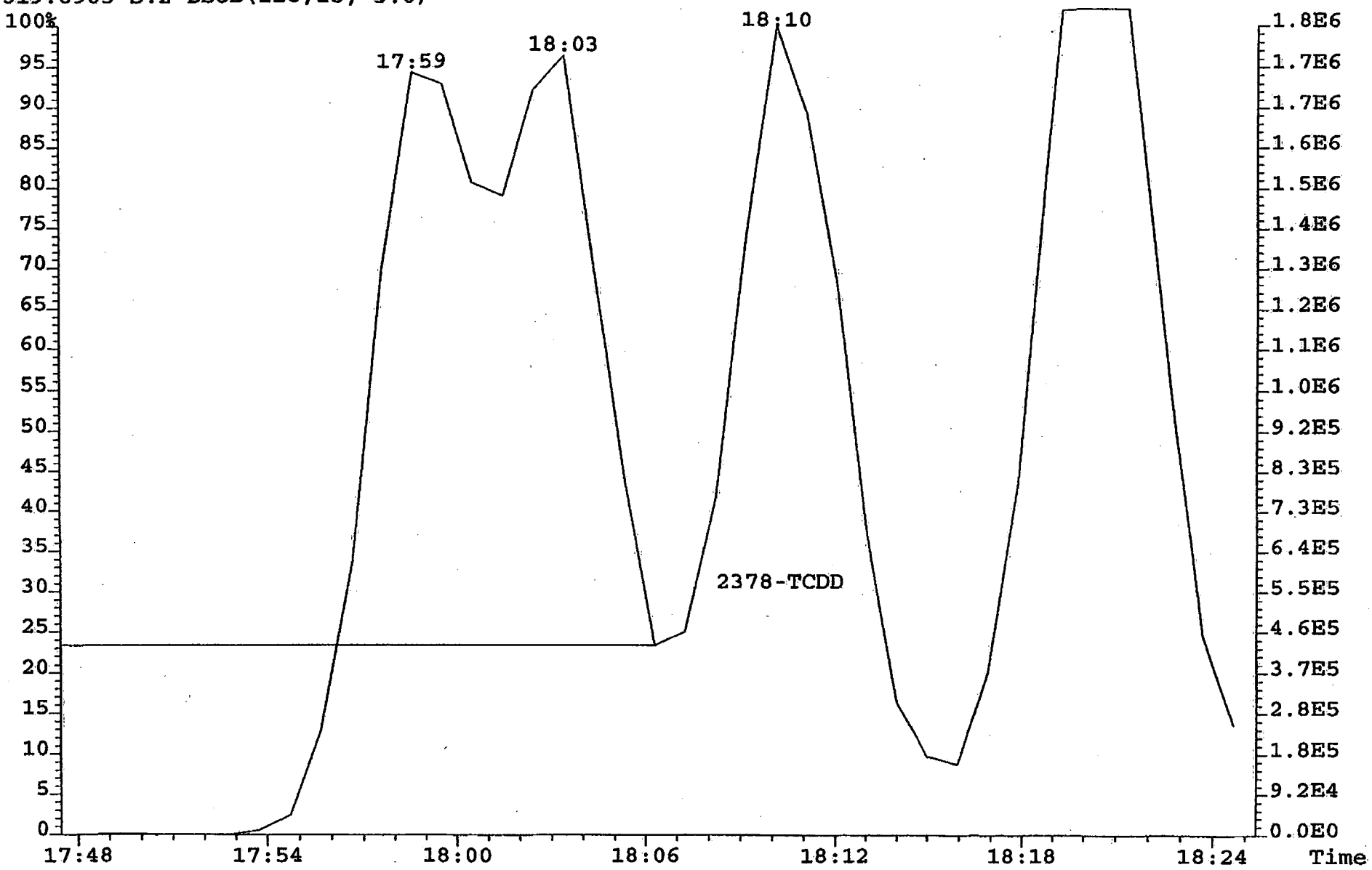
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN
319.8965 S:2 BSUB(128,15,-3.0)



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Run: 23MR059D5 Analyte: 8290 Cal: 82901209049D5

ST1209 :CS3 2416-23A ST1209A :CS3 2416-23B ST1209B :CS3 2416-23C
ST1209C :CS3 2416-23D ST1209D :CS3 2416-23E

Name	Mean	S. D.	%RSD	09DE049D5 S1 RRF1	09DE049D5 S2 RRF2	09DE049D5 S3 RRF3	09DE049D5 S4 RRF4	09DE049D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.569	0.081	5.18 %	1.47	1.57	1.67	1.52	1.62
2,3,7,8-TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
Total TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
13C-2,3,7,8-TCDD	1.073	0.040	3.74 %	1.02	1.06	1.13	1.08	1.07
2,3,7,8-TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
Total TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
37Cl-2,3,7,8-TCDD	1.015	0.059	5.81 %	1.06	0.94	1.08	0.98	1.02
13C-1,2,3,7,8-PeCDF	1.263	0.055	4.33 %	1.17	1.27	1.30	1.27	1.31
1,2,3,7,8-PeCDF	0.817	0.031	3.76 %	0.84	0.79	0.84	0.84	0.78
2,3,4,7,8-PeCDF	0.842	0.031	3.67 %	0.85	0.81	0.88	0.86	0.81
Total F2 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
Total F1 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
13C-1,2,3,7,8-PeCDD	0.801	0.034	4.29 %	0.76	0.79	0.83	0.79	0.84
1,2,3,7,8-PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
Total PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.035	0.052	5.03 %	0.98	1.04	1.12	1.01	1.03
1,2,3,4,7,8-HxCDF	1.042	0.038	3.62 %	1.08	1.01	1.01	1.08	1.02
1,2,3,6,7,8-HxCDF	1.087	0.047	4.31 %	1.14	1.06	1.06	1.13	1.04
2,3,4,6,7,8-HxCDF	1.001	0.034	3.45 %	1.02	0.95	0.98	1.04	1.01
1,2,3,7,8,9-HxCDF	0.950	0.042	4.42 %	1.00	0.92	0.91	0.99	0.92
Total HxCDF	1.020	0.038	3.74 %	1.06	0.99	0.99	1.06	1.00
13C-1,2,3,6,7,8-HxCDD	0.855	0.018	2.06 %	0.83	0.85	0.87	0.86	0.87
1,2,3,4,7,8-HxCDD	0.933	0.038	4.09 %	0.97	0.89	0.96	0.94	0.90

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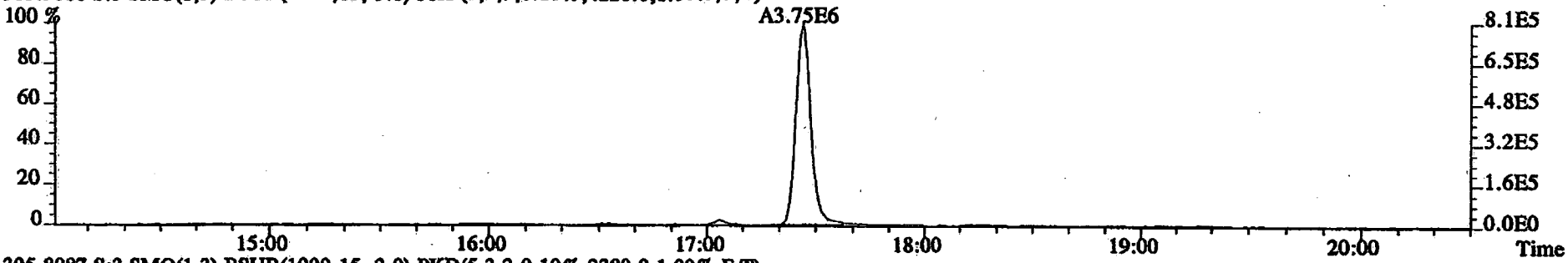
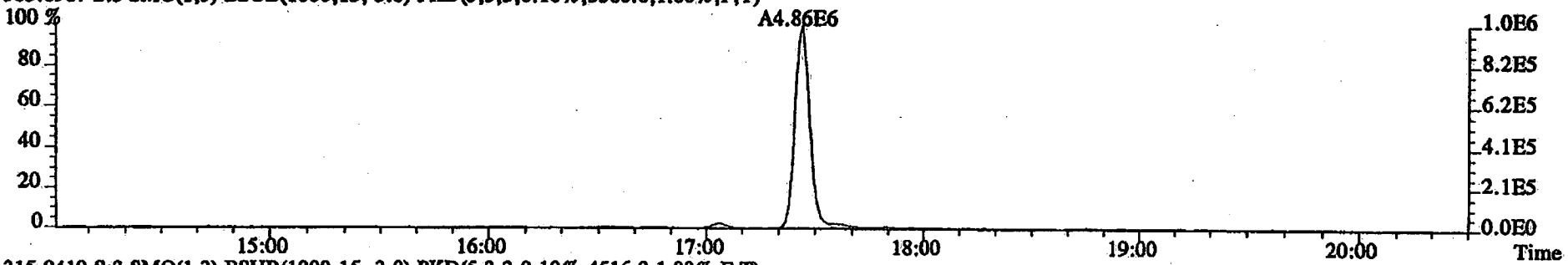
1,2,3,6,7,8-HxCDD	0.978	0.027	2.80 %	0.98	0.98	0.98	1.01	0.93
1,2,3,7,8,9-HxCDD	1.006	0.035	3.45 %	1.03	1.00	1.03	1.02	0.95
Total HxCDD	0.972	0.030	3.04 %	1.00	0.96	0.99	0.99	0.93
13C-1,2,3,4,6,7,8-HpCDF	0.966	0.019	1.96 %	0.96	0.96	1.00	0.96	0.95
1,2,3,4,6,7,8-HpCDF	1.133	0.029	2.53 %	1.16	1.13	1.13	1.15	1.09
1,2,3,4,7,8,9-HpCDF	1.029	0.038	3.64 %	1.08	1.01	1.03	1.04	0.98
Total HpCDF	1.081	0.032	3.00 %	1.12	1.07	1.08	1.09	1.03
13C-1,2,3,4,6,7,8-HpCDD	0.976	0.038	3.87 %	1.01	0.99	1.01	0.94	0.93
1,2,3,4,6,7,8-HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
Total HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
13C-OCDD	0.925	0.020	2.21 %	0.95	0.93	0.93	0.90	0.91
OCDF	1.031	0.026	2.53 %	1.03	1.01	1.01	1.08	1.03
OCDD	0.913	0.045	4.89 %	0.97	0.91	0.87	0.94	0.87

File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

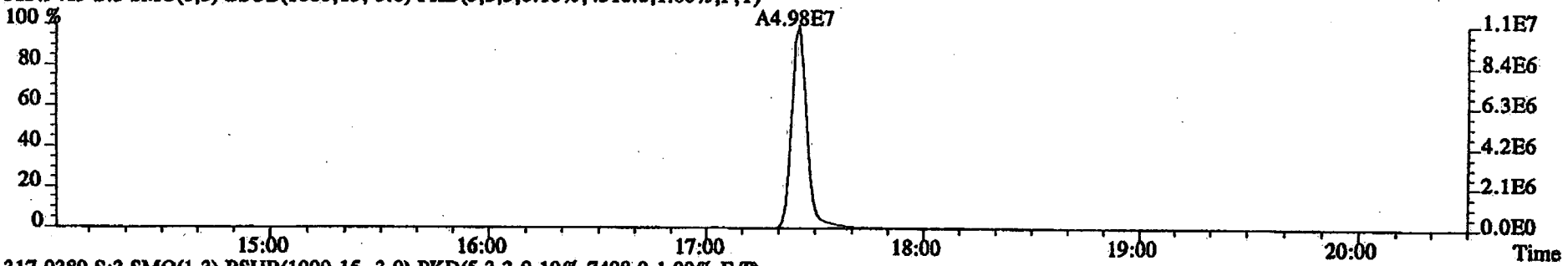
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4220.0,1.00%,F,T)



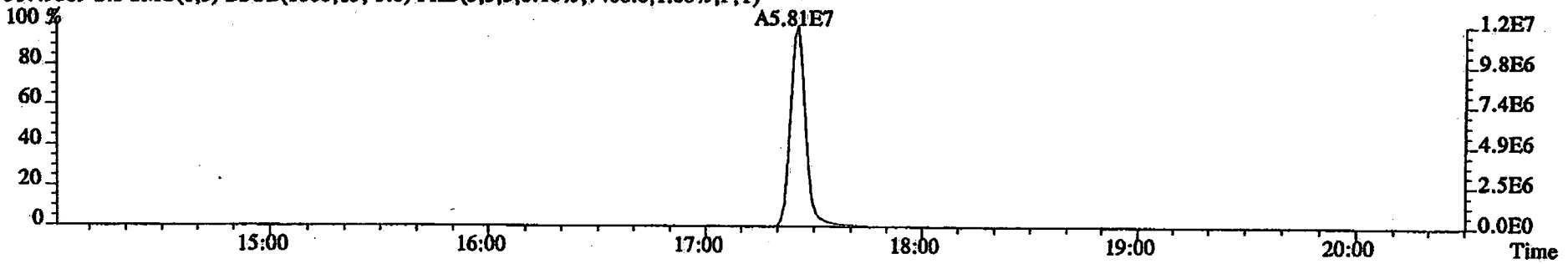
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3380.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4516.0,1.00%,F,T)



317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7408.0,1.00%,F,T)



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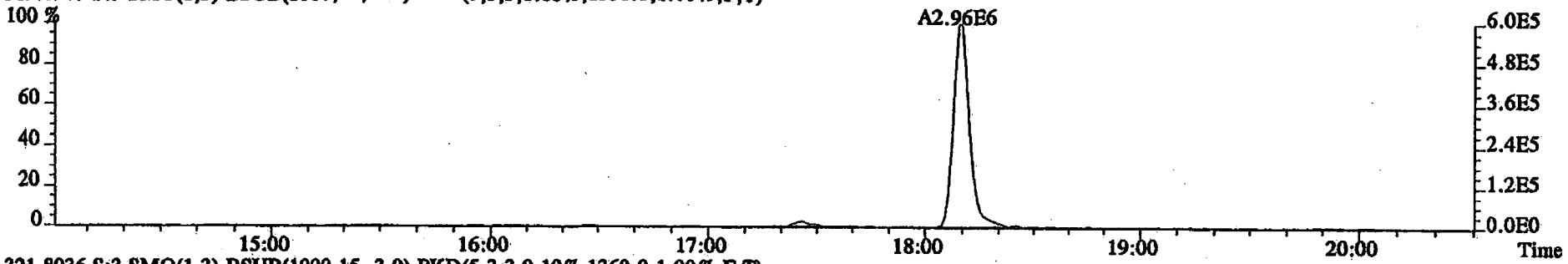
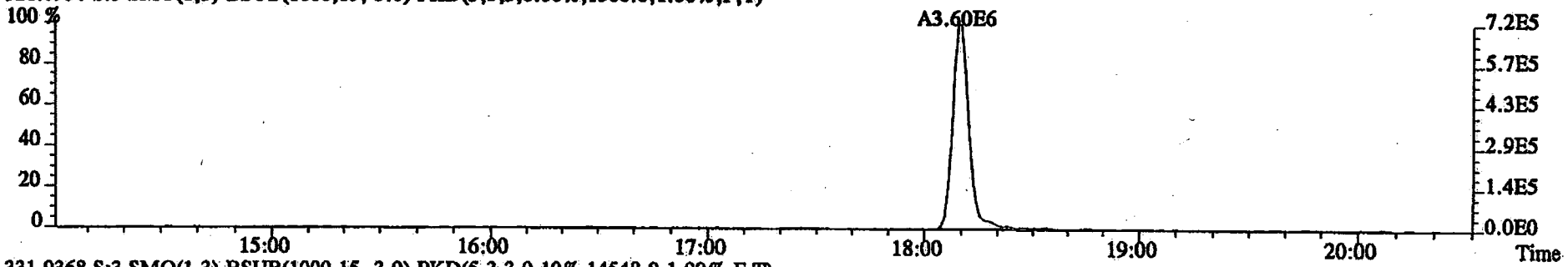
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

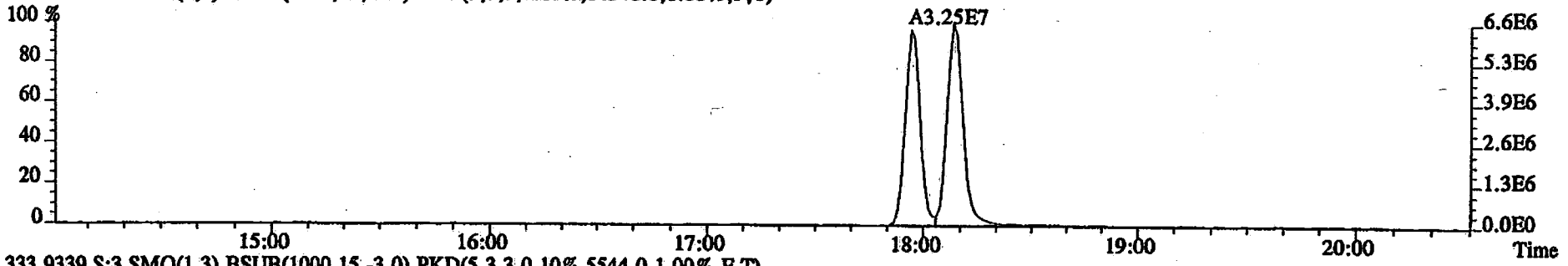
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



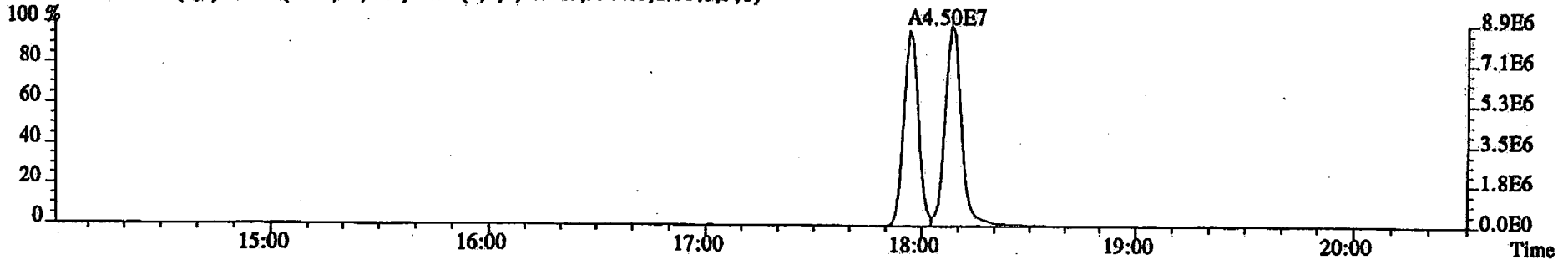
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1360.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14548.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5544.0,1.00%,F,T)



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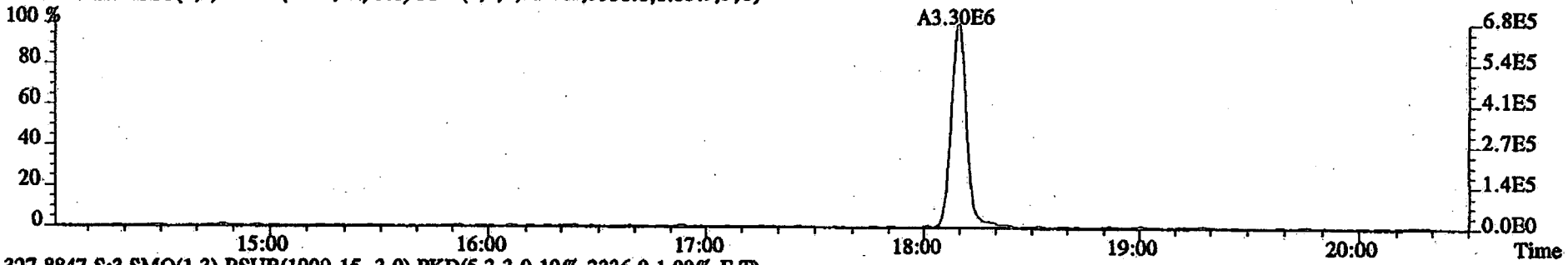
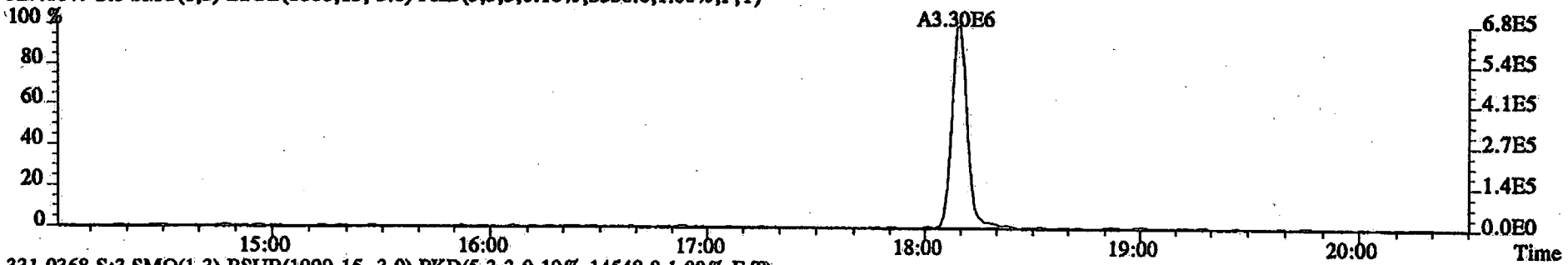
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

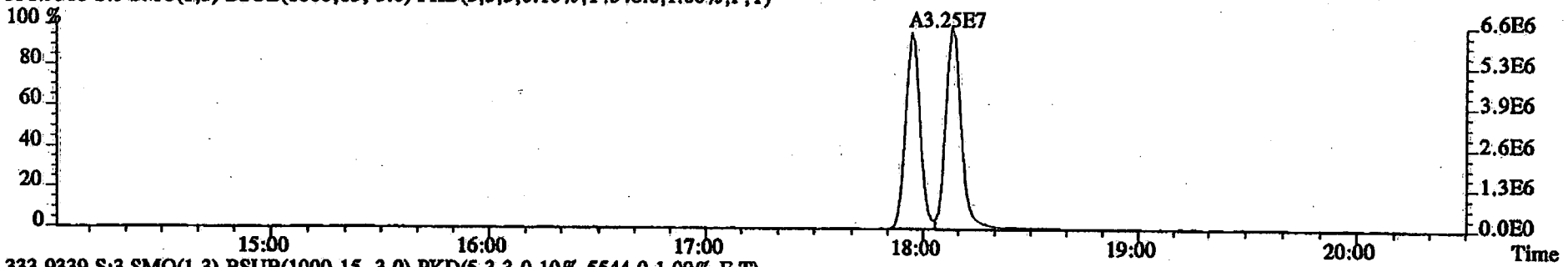
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3336.0,1.00%,F,T)



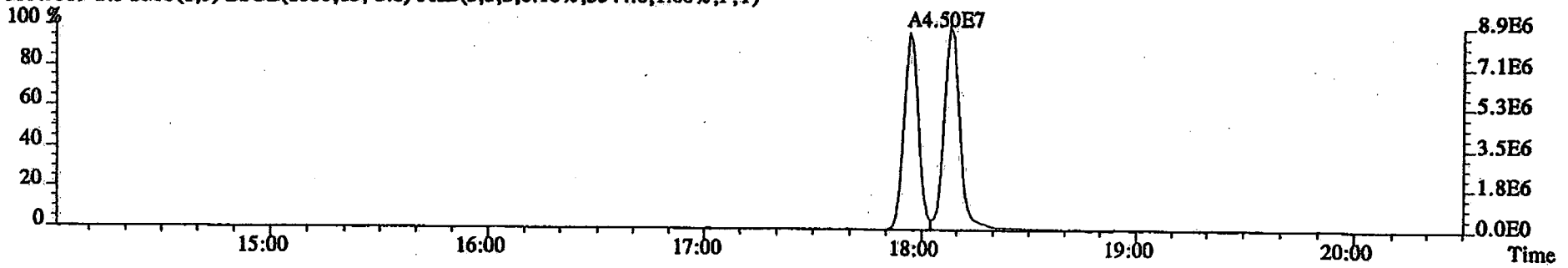
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3336.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14548.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5544.0,1.00%,F,T)



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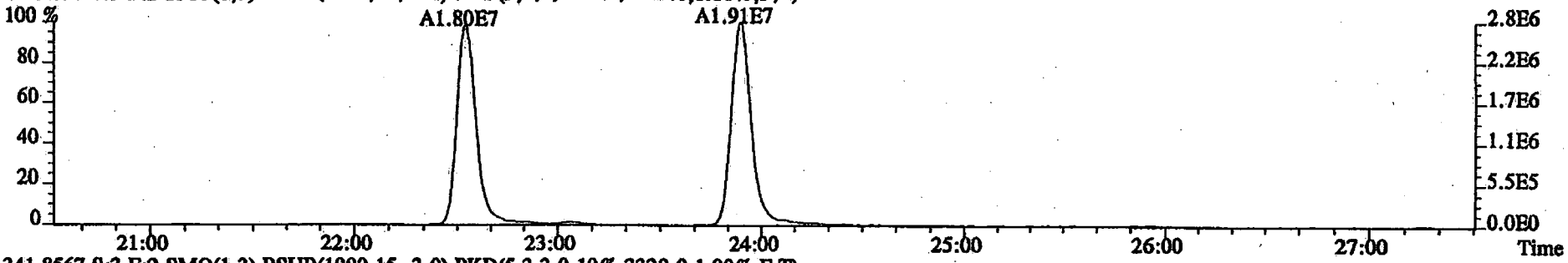
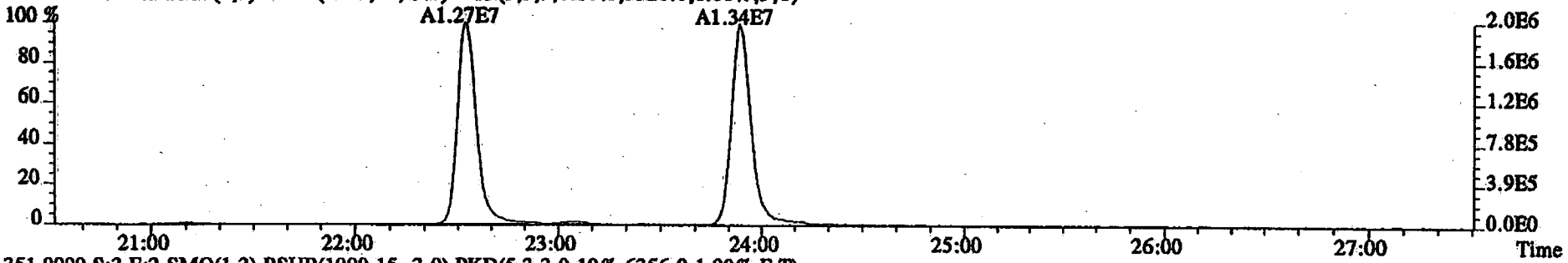
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

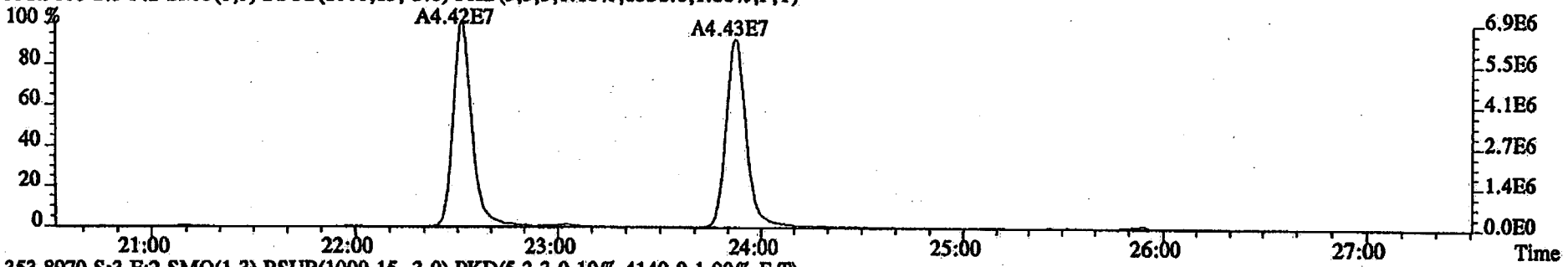
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



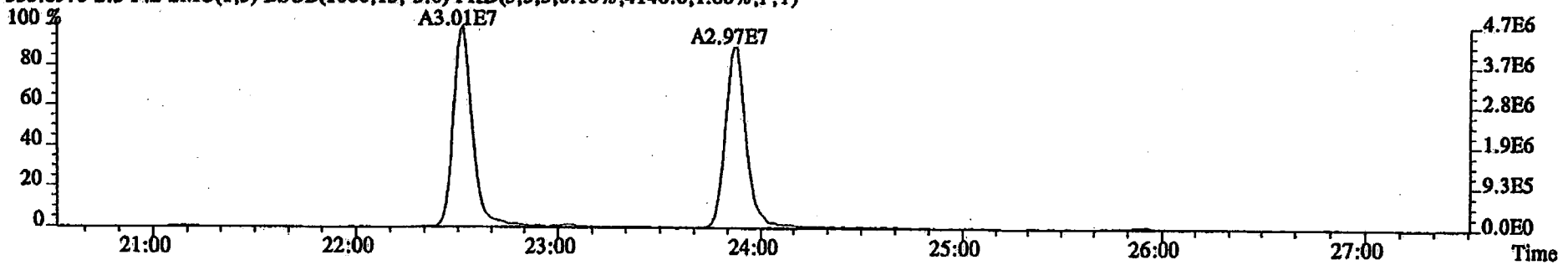
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6356.0,1.00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4140.0,1.00%,F,T)



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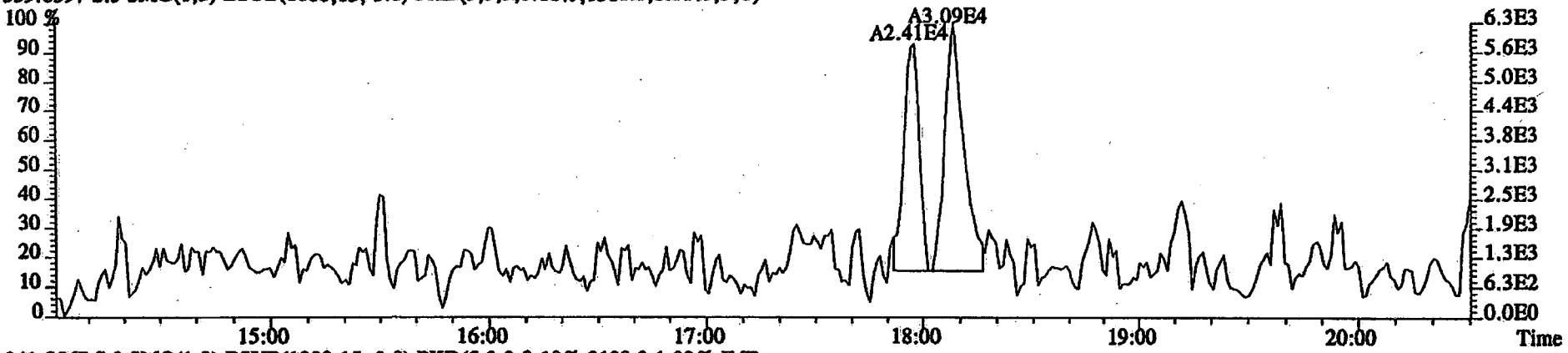
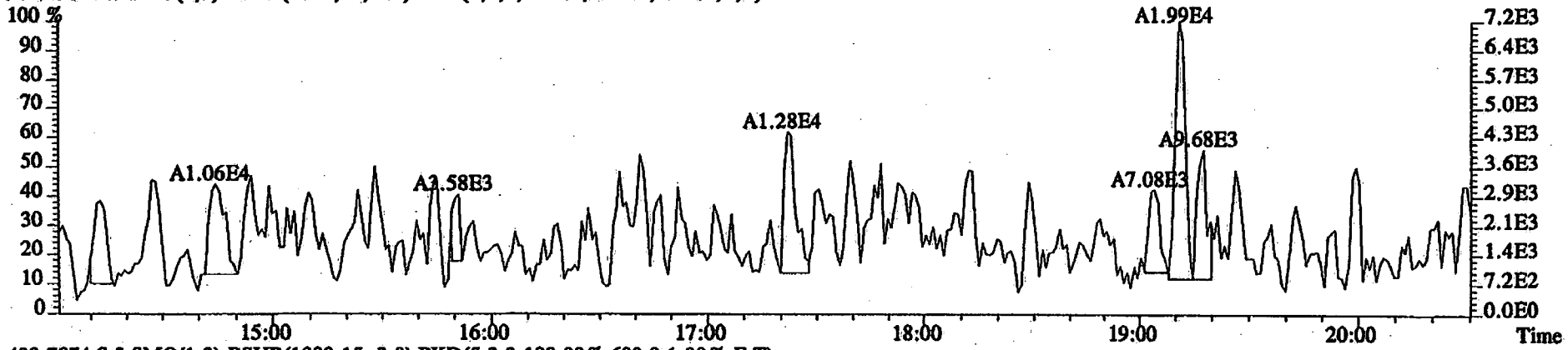
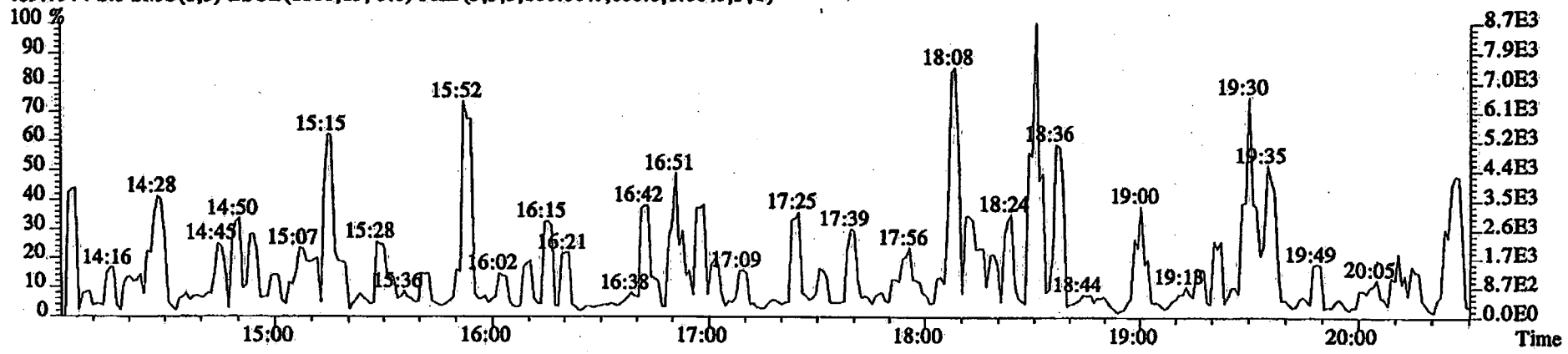
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)



409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,600.0,1.00%,F,T)



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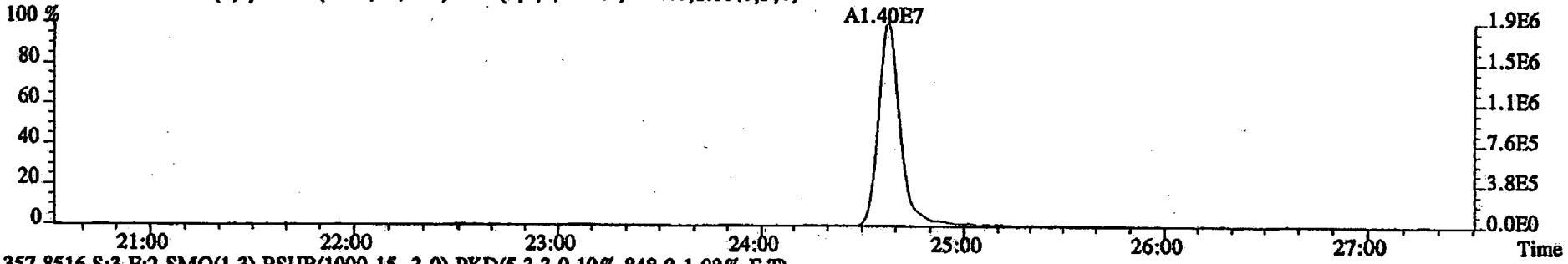
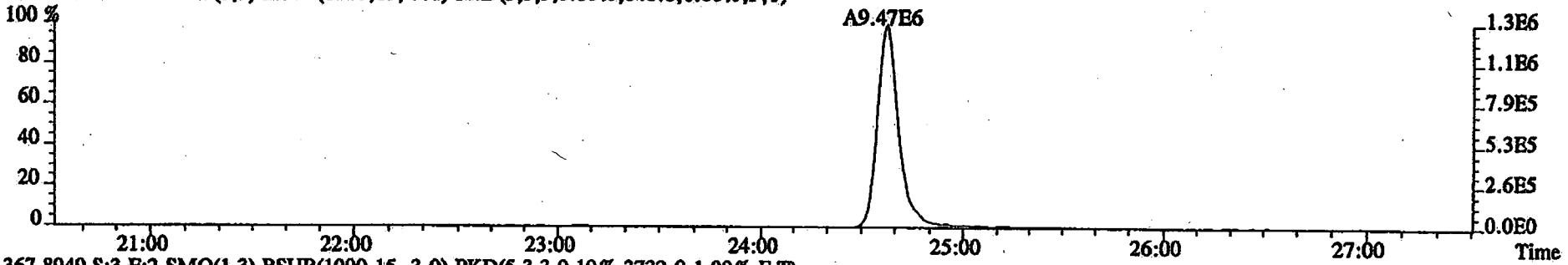
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

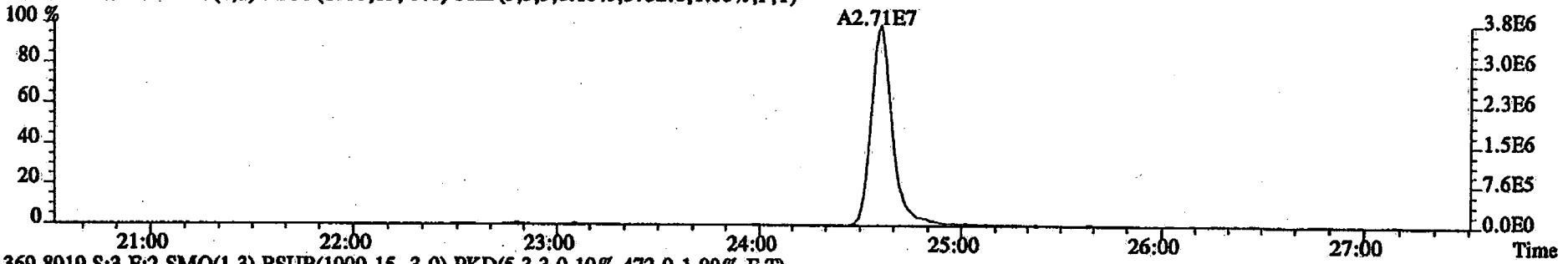
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248.0,1.00%,F,T)



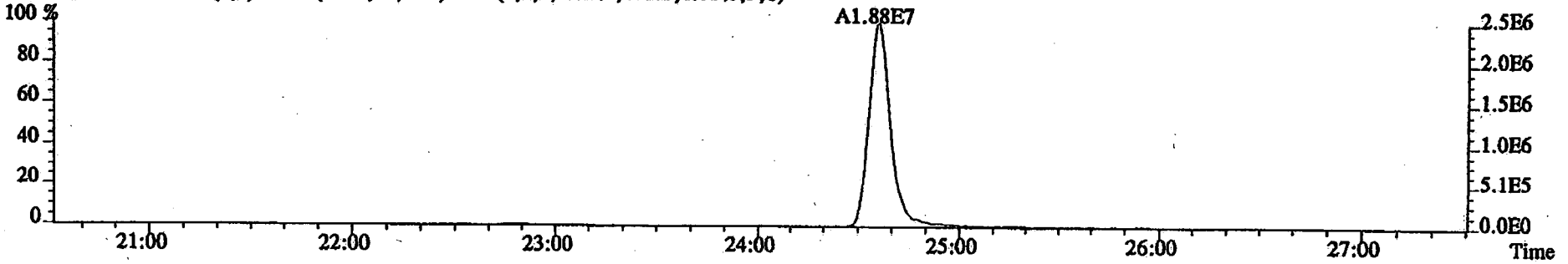
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3732.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,472.0,1.00%,F,T)



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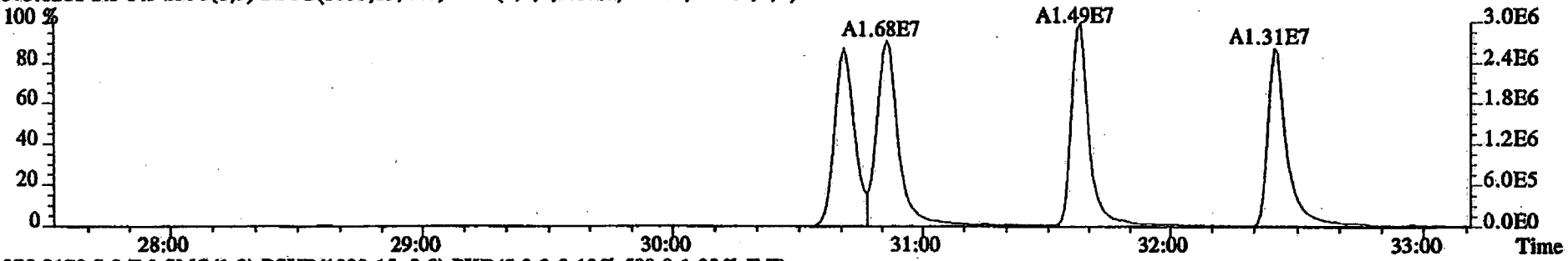
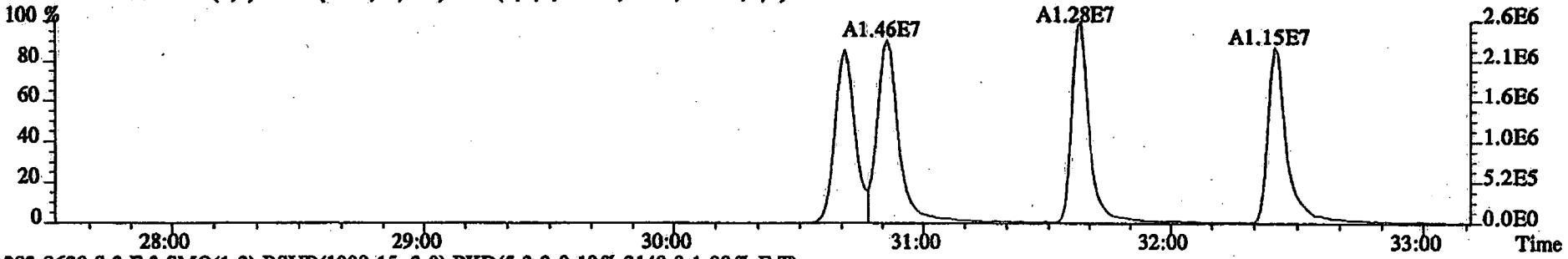
File:23MR059D5 #1-428 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

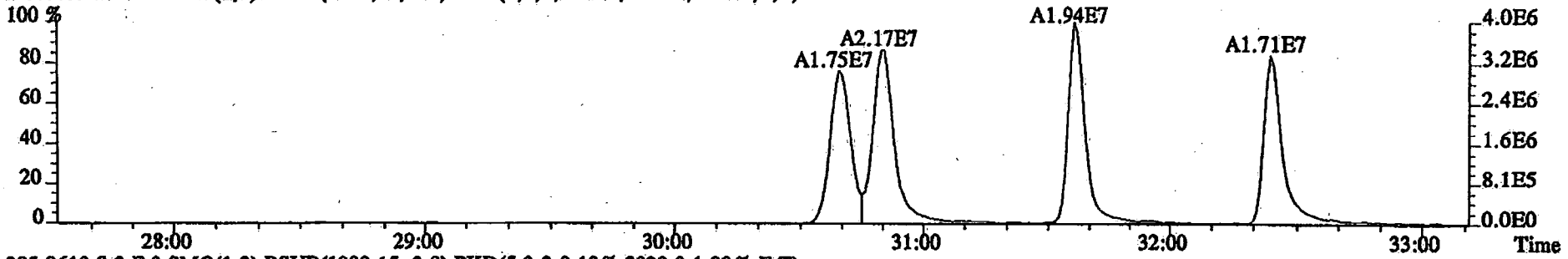
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)



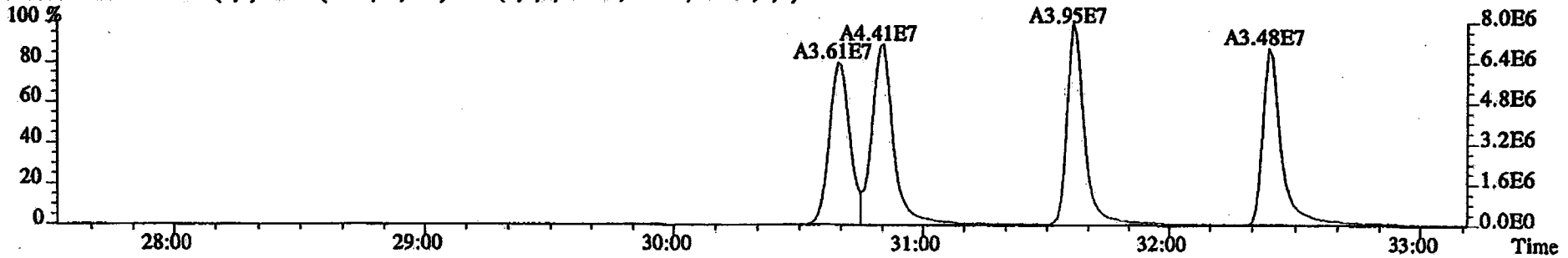
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,580.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2140.0,1.00%,F,T)



385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)



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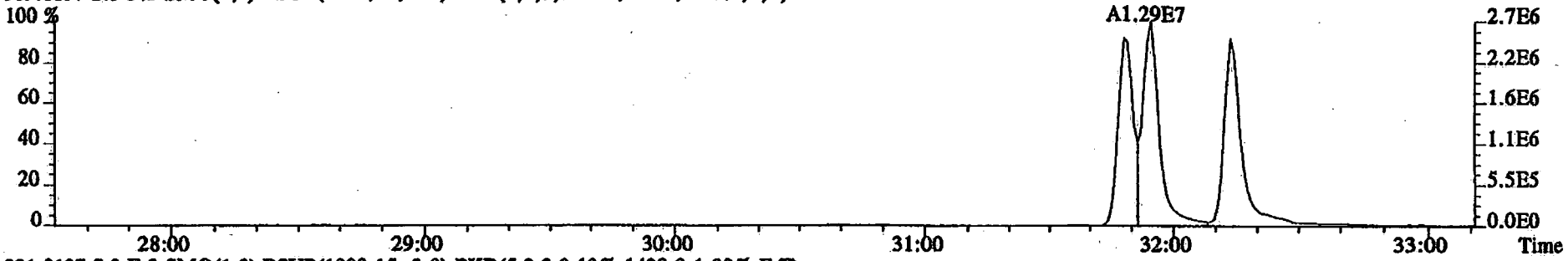
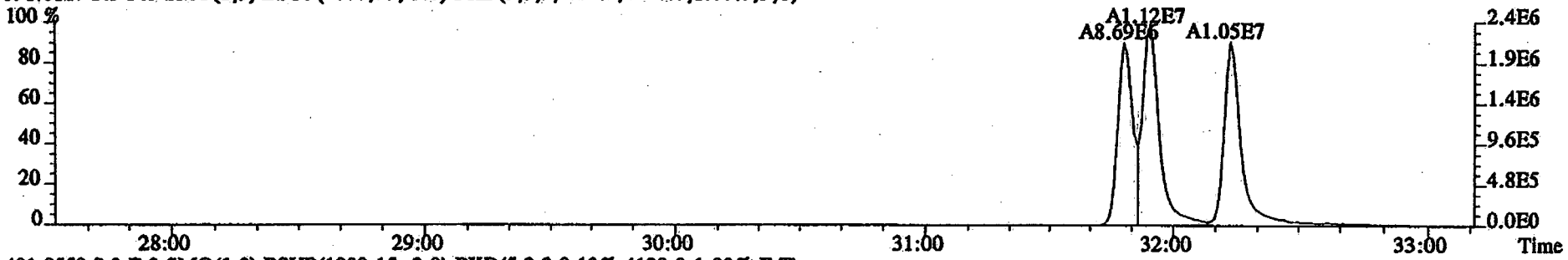
File:23MR059D5 #1-428 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

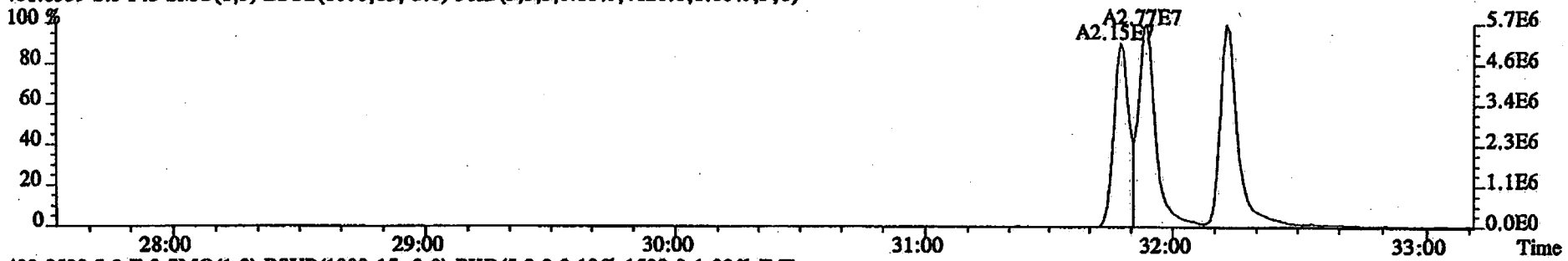
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)



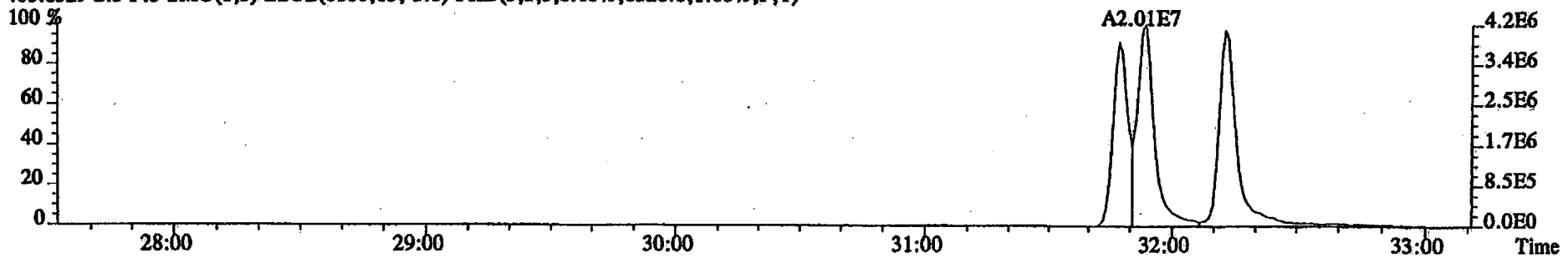
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4120.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



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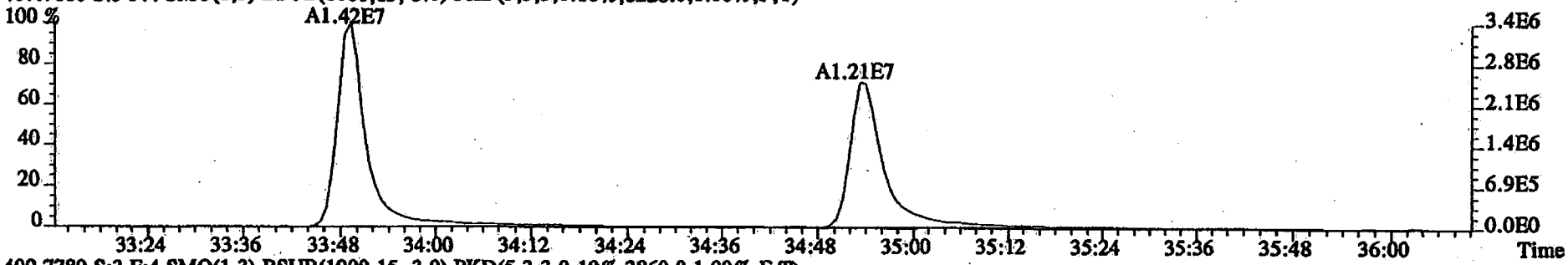
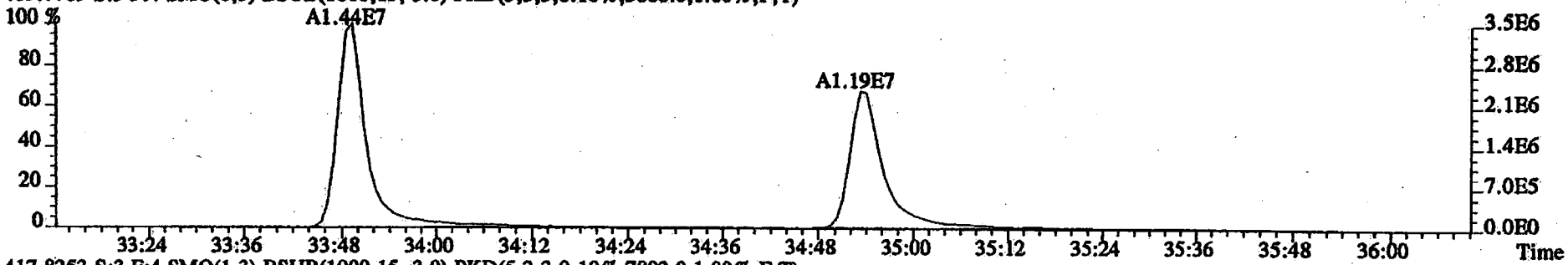
File:23MR059D5 #1-237 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

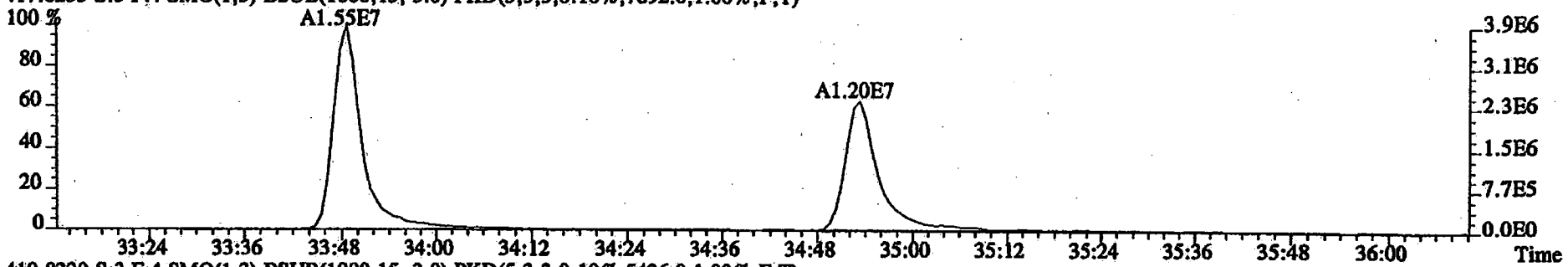
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6228.0,1.00%,F,T)



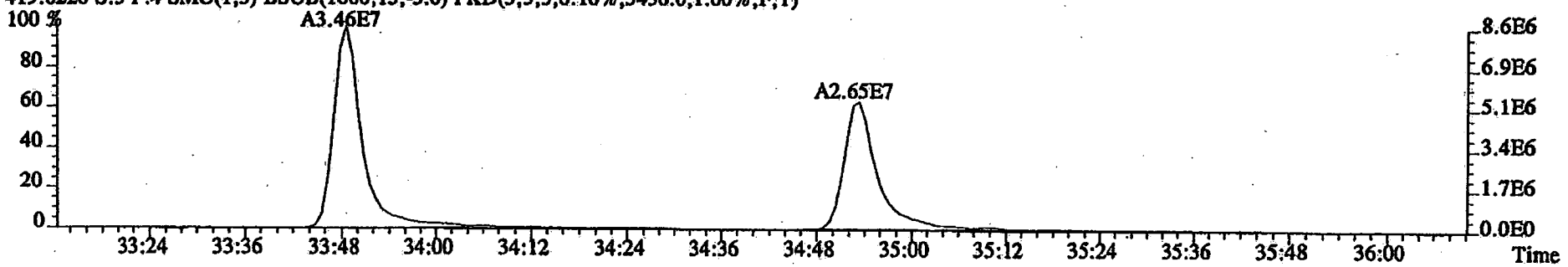
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7892.0,1.00%,F,T)



419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5436.0,1.00%,F,T)



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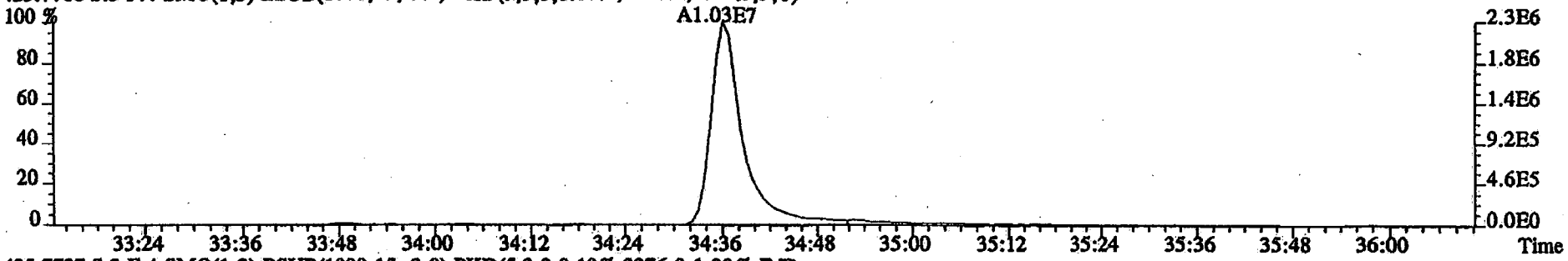
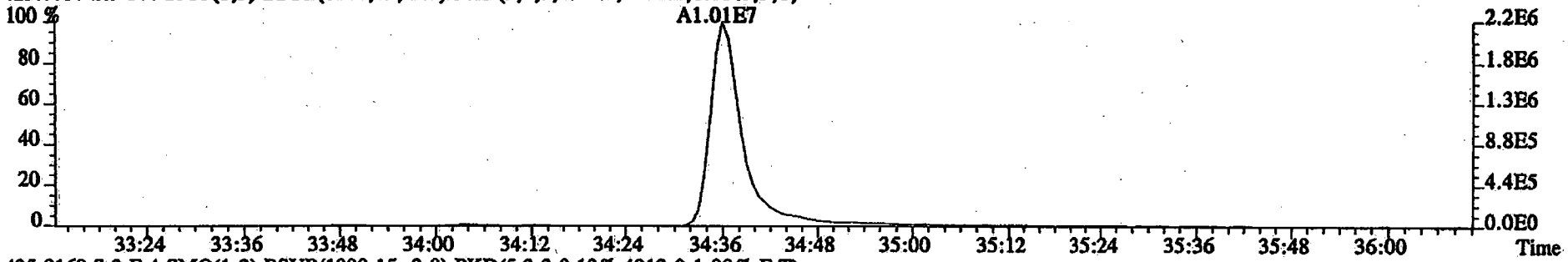
File:23MR059D5 #1-237 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaB
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

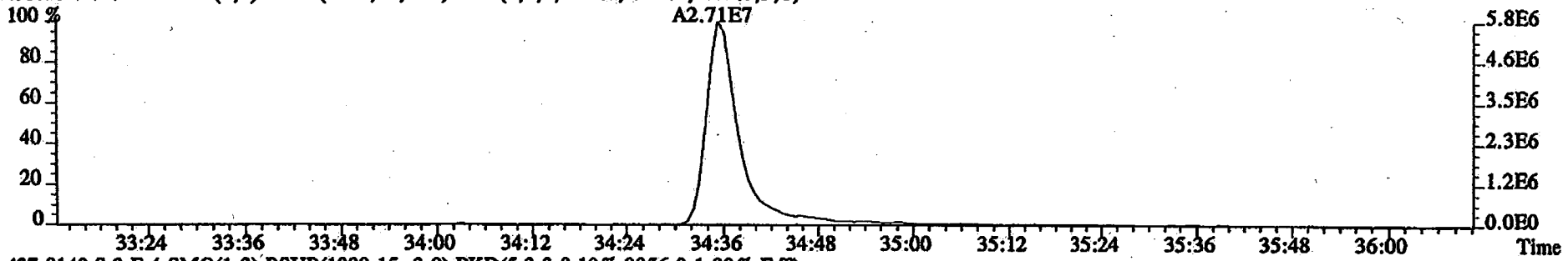
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



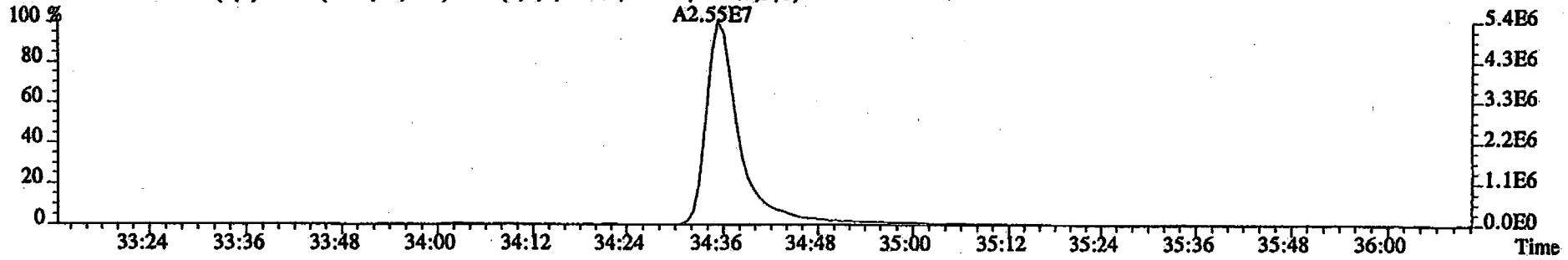
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3376.0,1.00%,F,T)



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4912.0,1.00%,F,T)



437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9056.0,1.00%,F,T)



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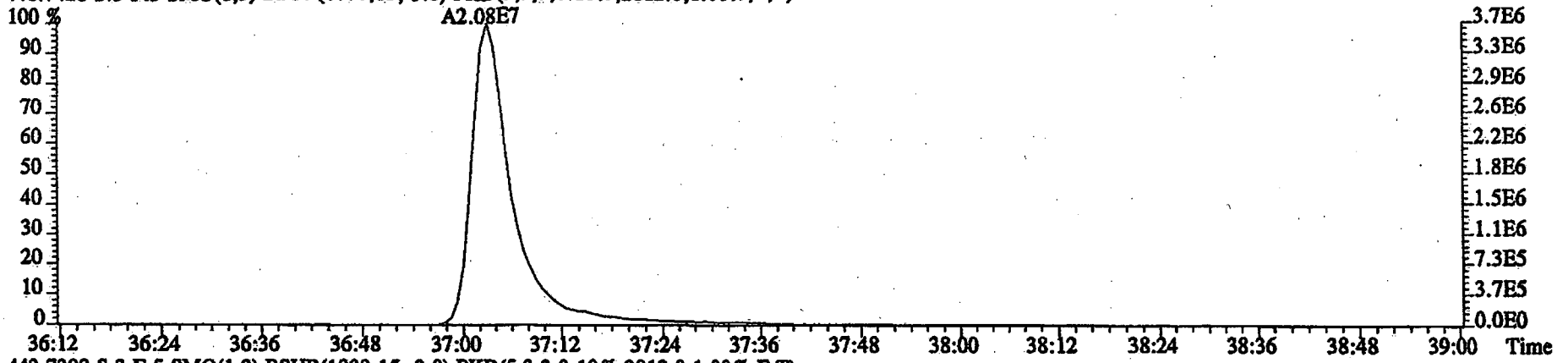
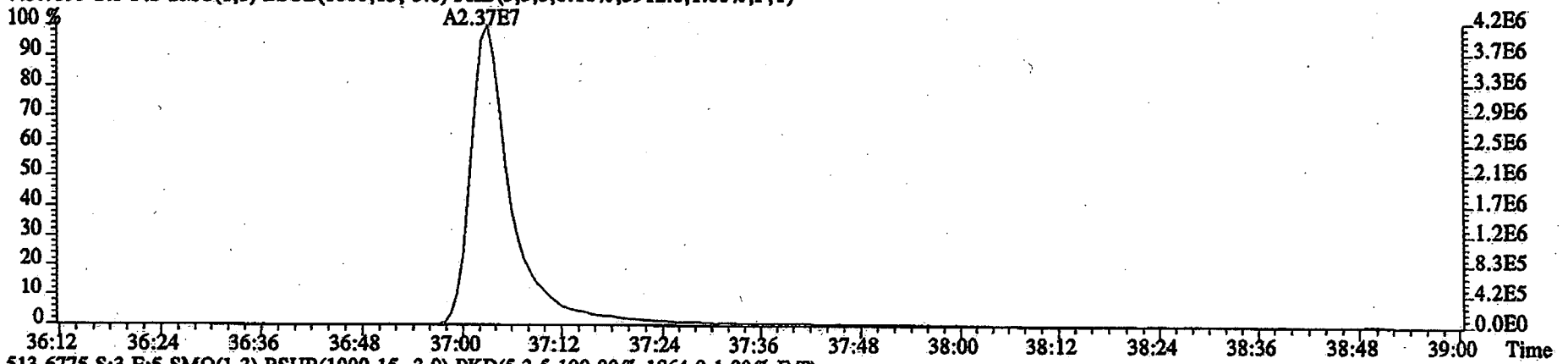
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

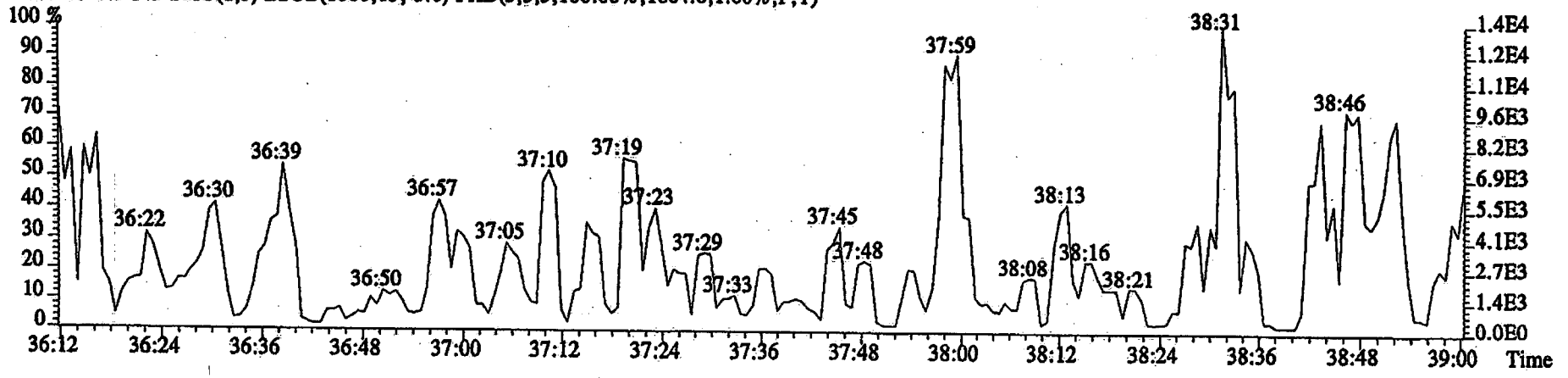
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2812.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1864.0,1.00%,F,T)



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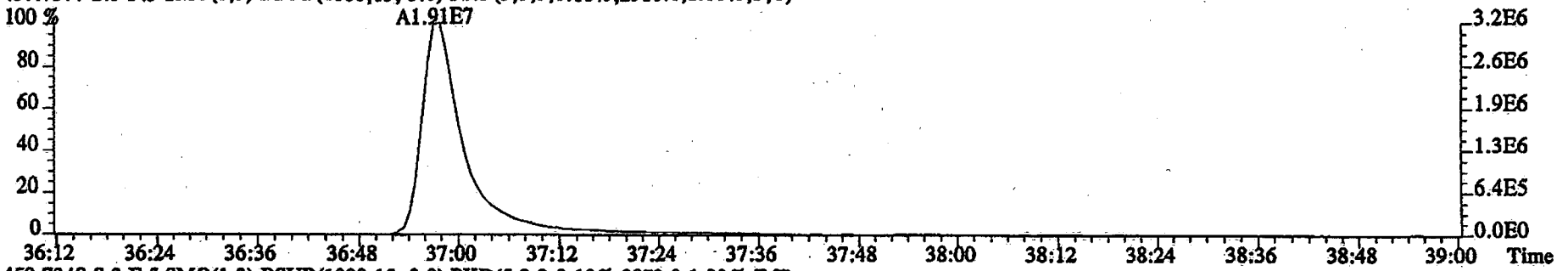
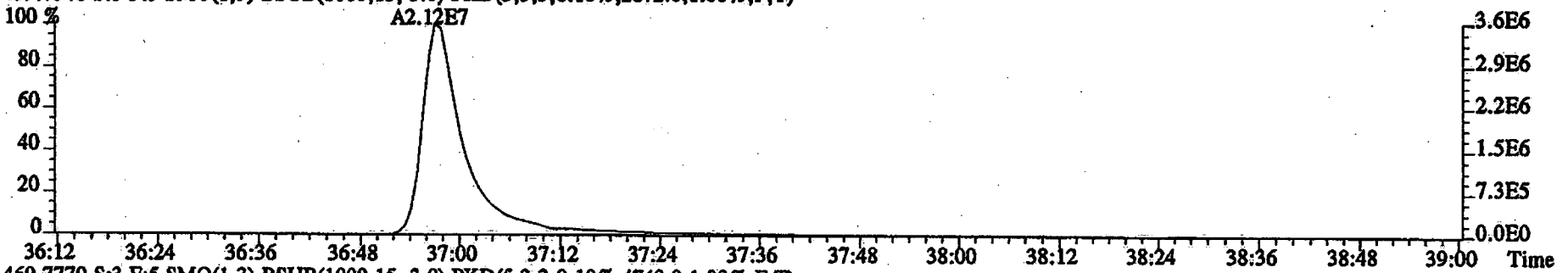
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

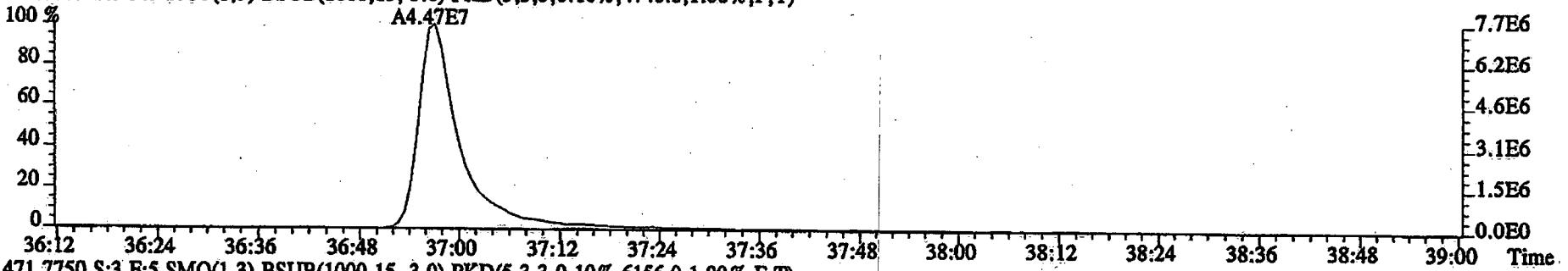
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2980.0,1.00%,F,T)



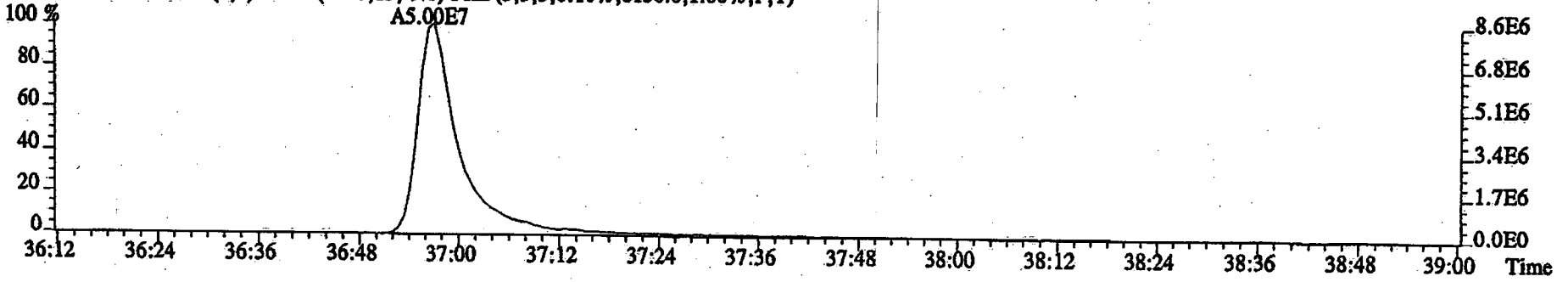
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2872.0,1.00%,F,T)



469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4740.0,1.00%,F,T)



471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6156.0,1.00%,F,T)



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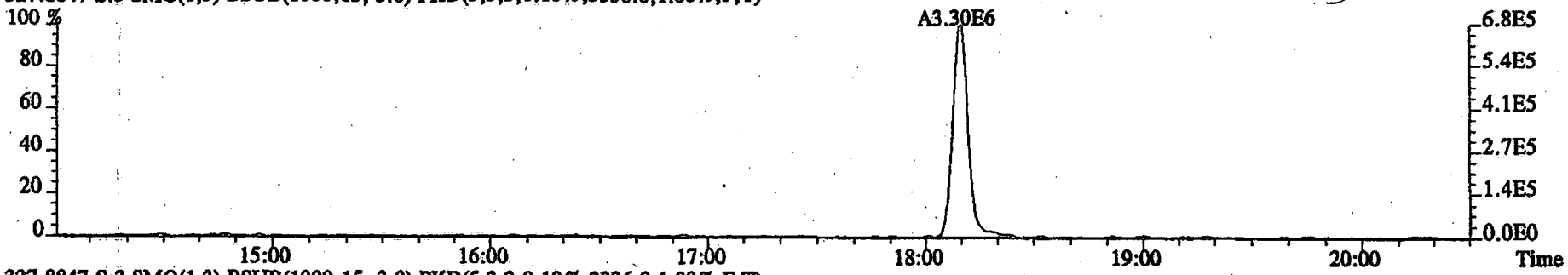
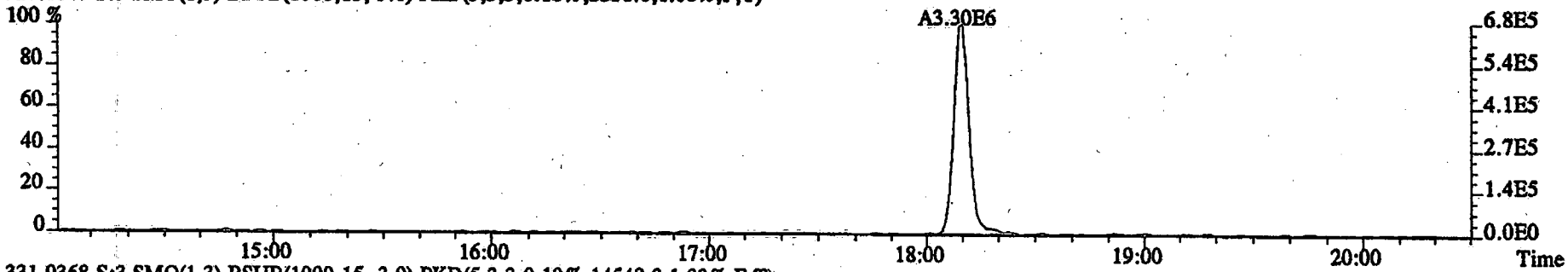
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

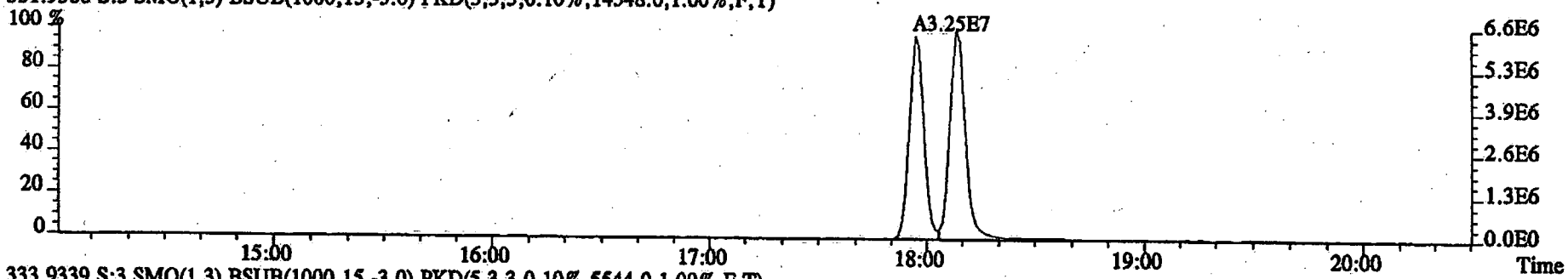
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3336.0,1.00%,F,T)



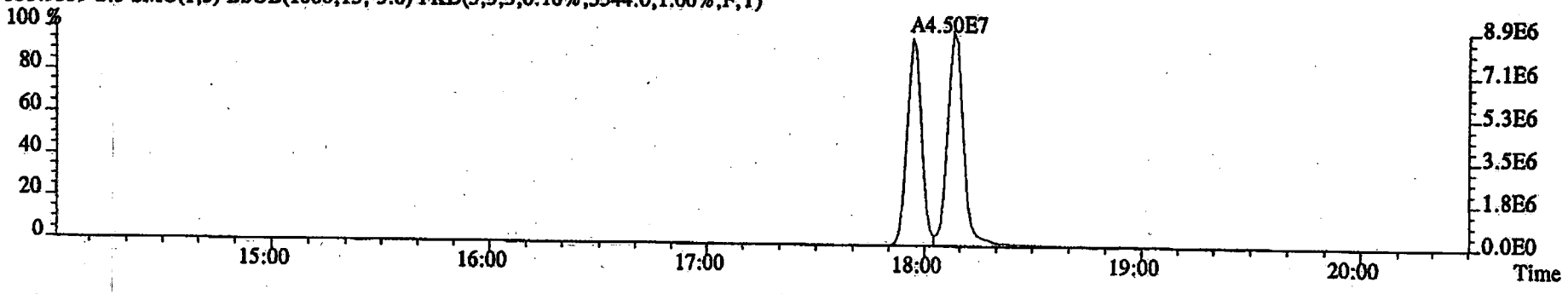
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3336.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14548.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5544.0,1.00%,F,T)



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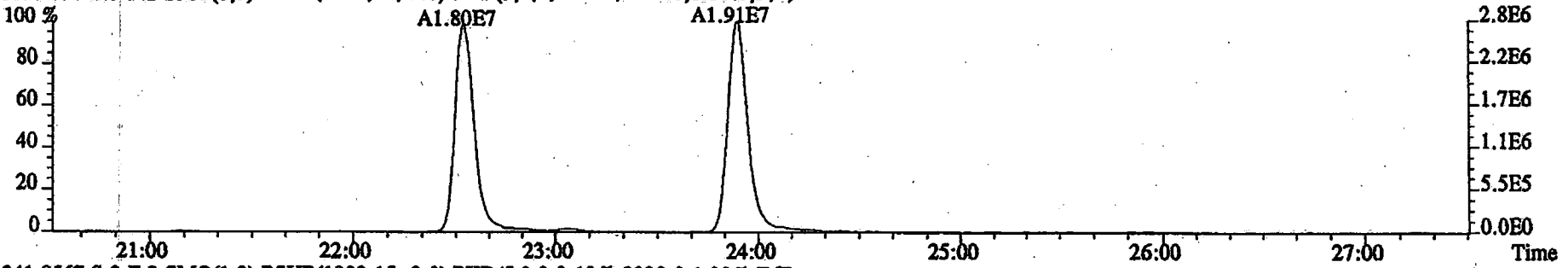
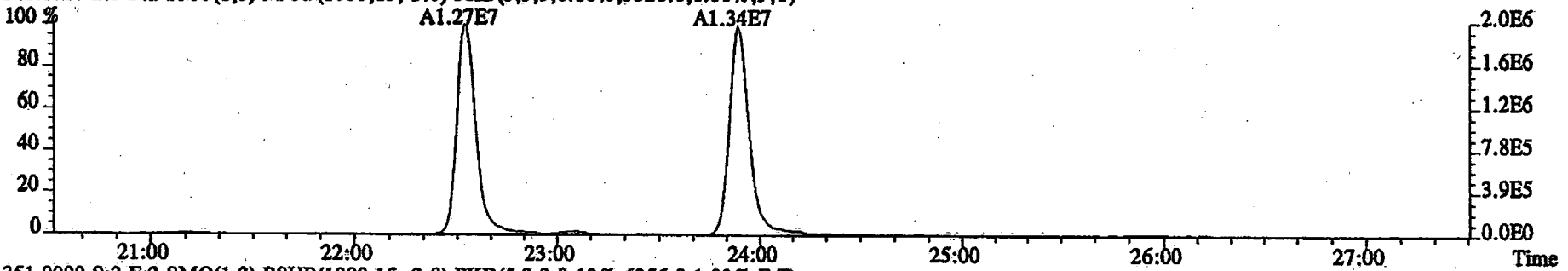
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

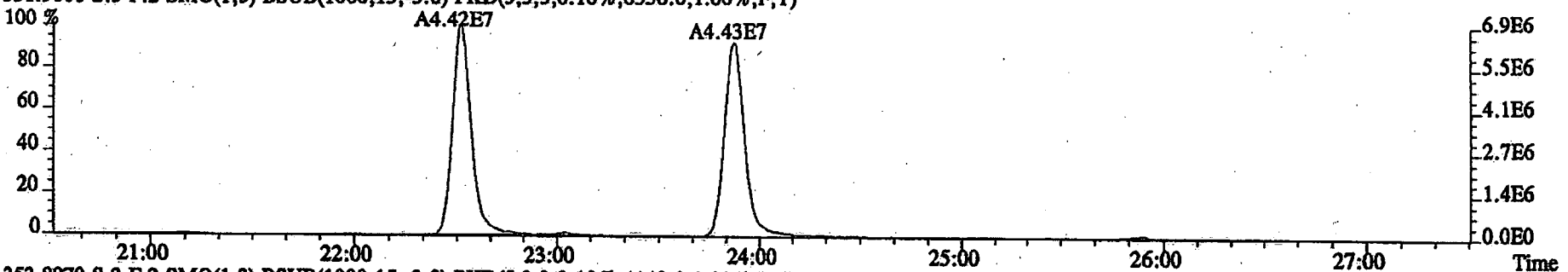
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



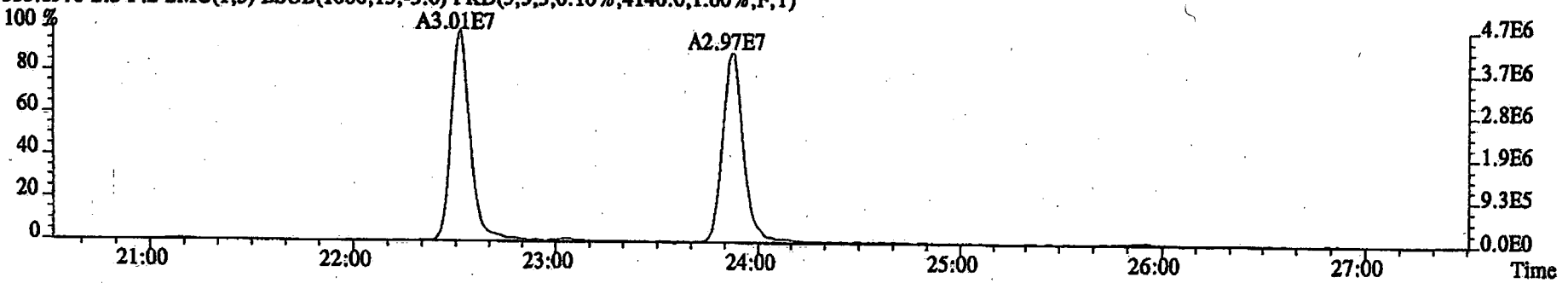
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6356.0,1.00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4140.0,1.00%,F,T)



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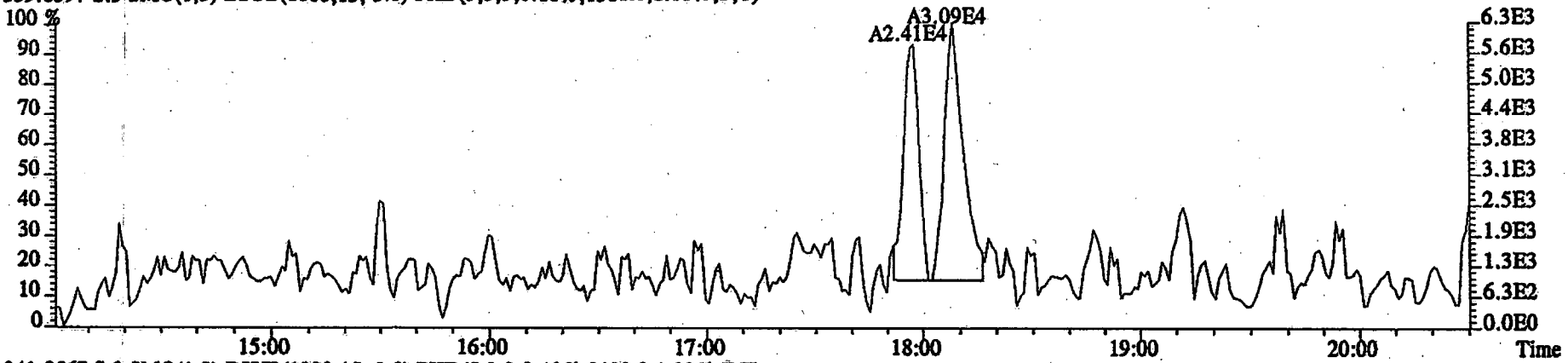
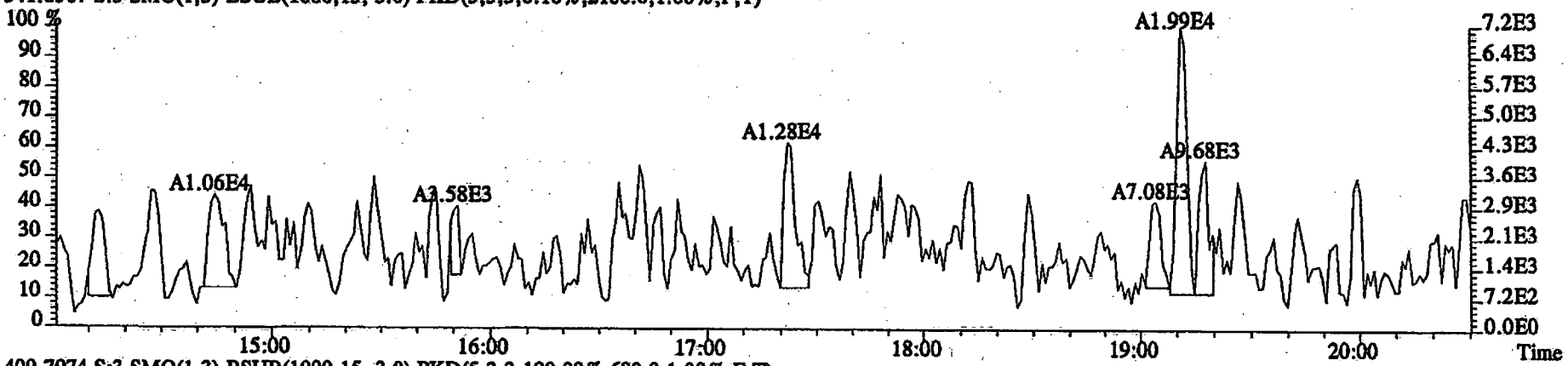
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

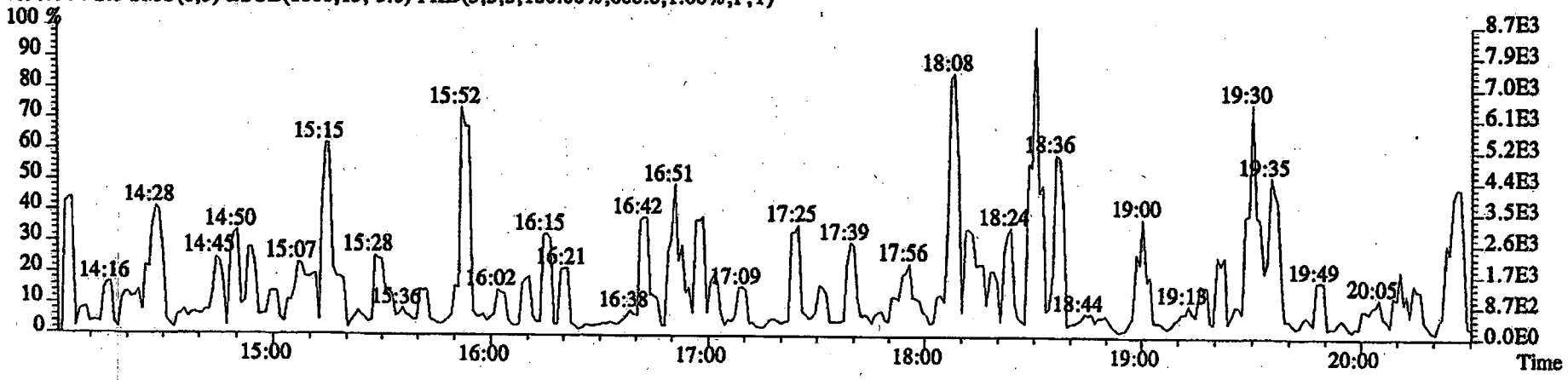
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)



409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,600.0,1.00%,F,T)



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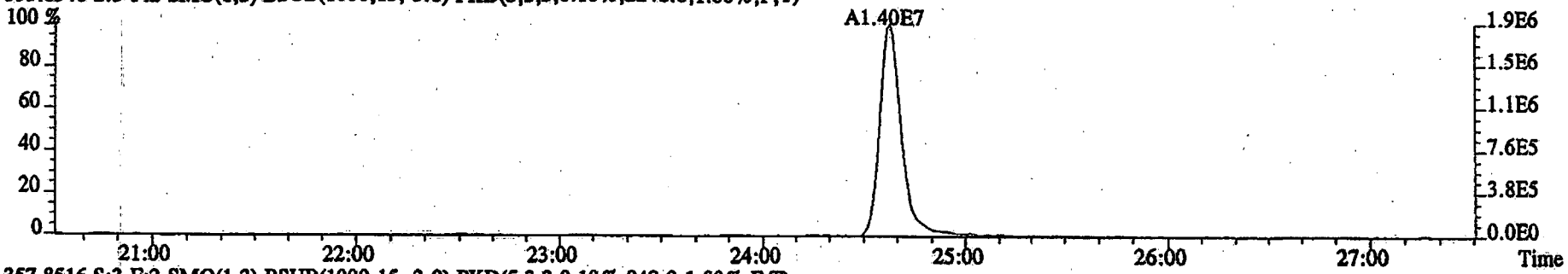
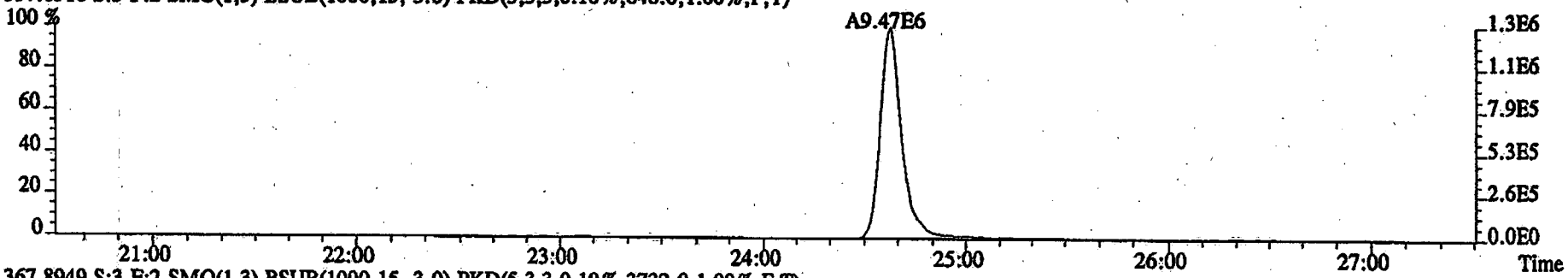
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

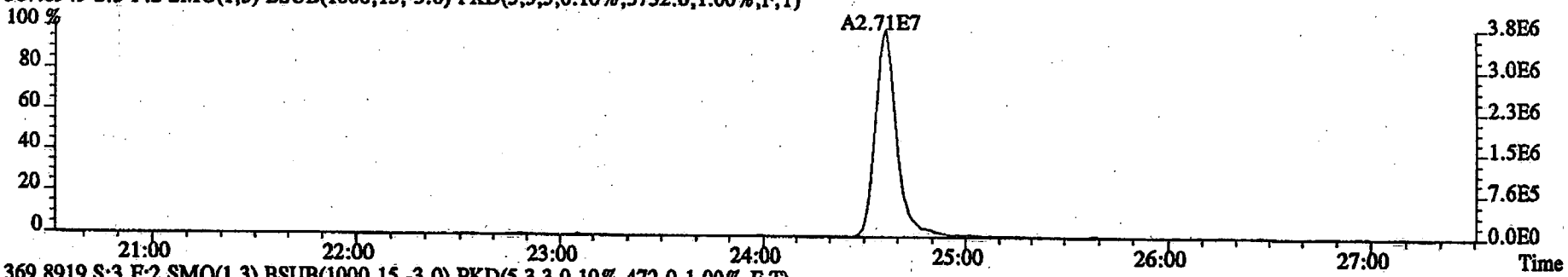
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248.0,1.00%,F,T)



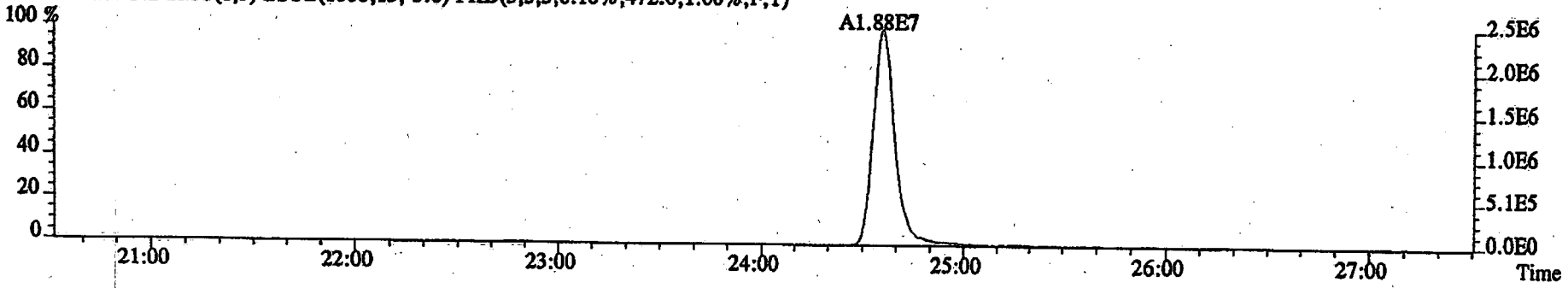
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3732.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,472.0,1.00%,F,T)



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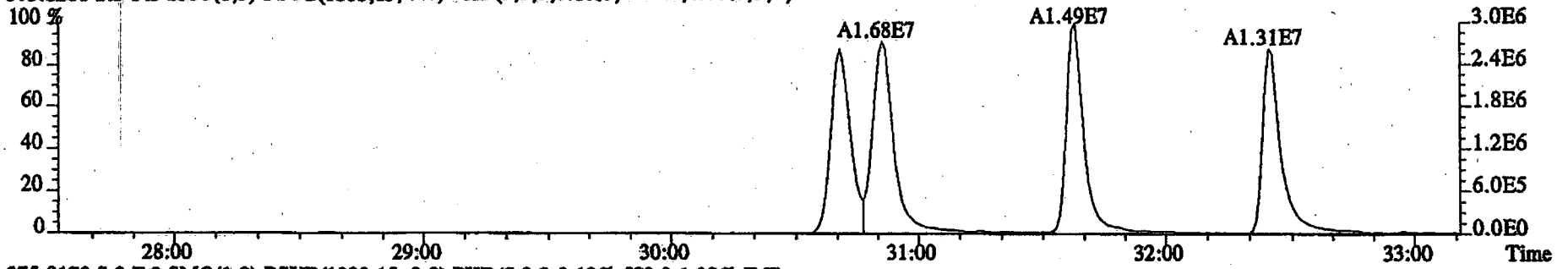
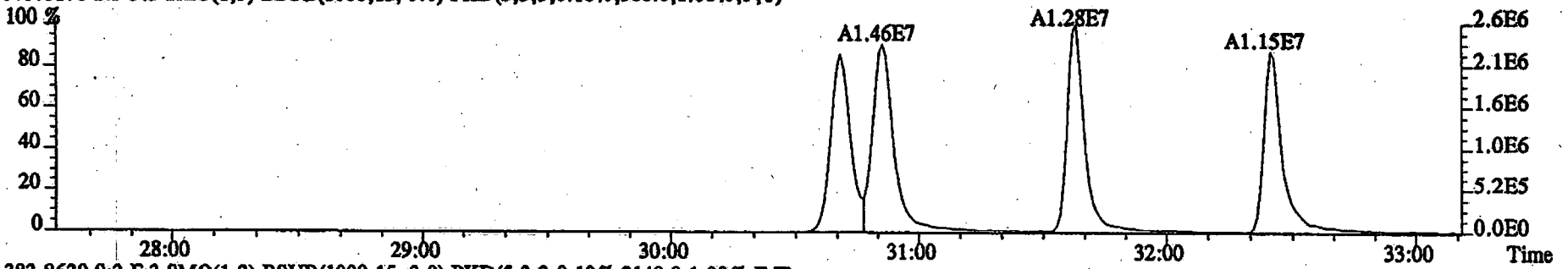
File:23MR059D5 #1-428 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

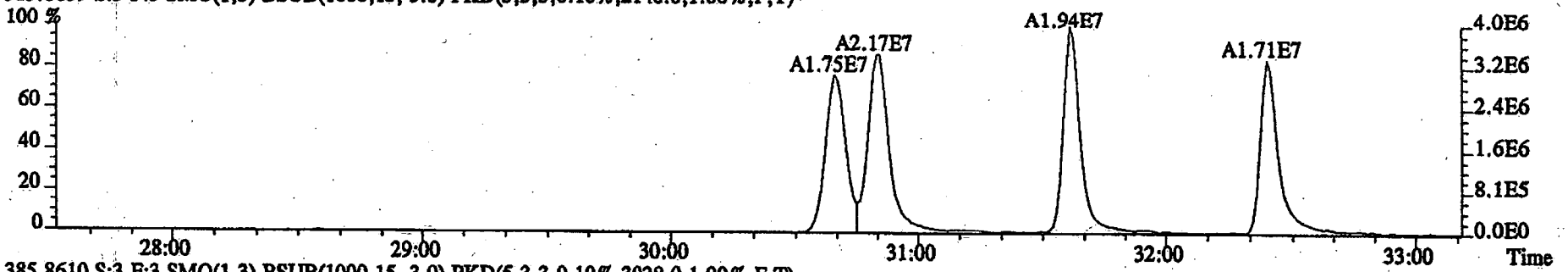
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)



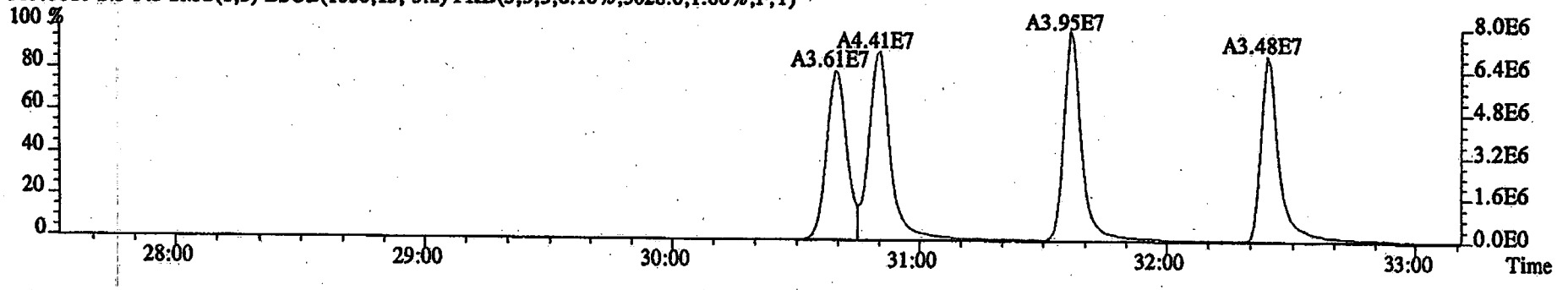
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,580.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2140.0,1.00%,F,T)



385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)



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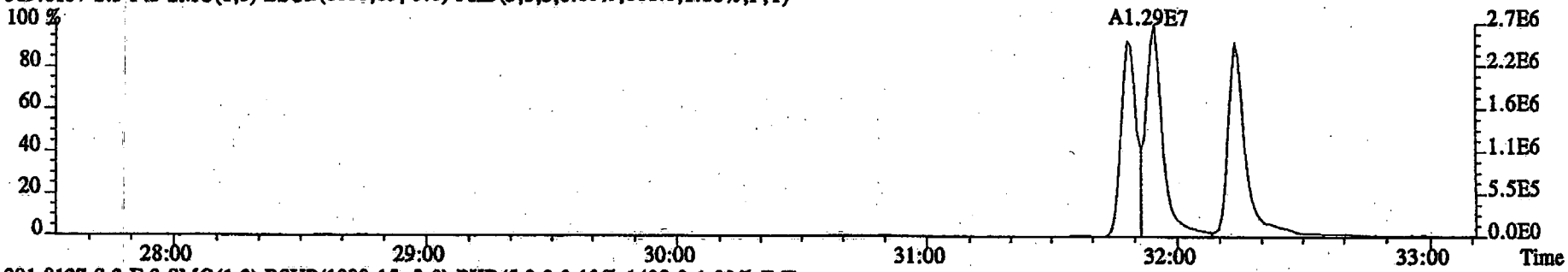
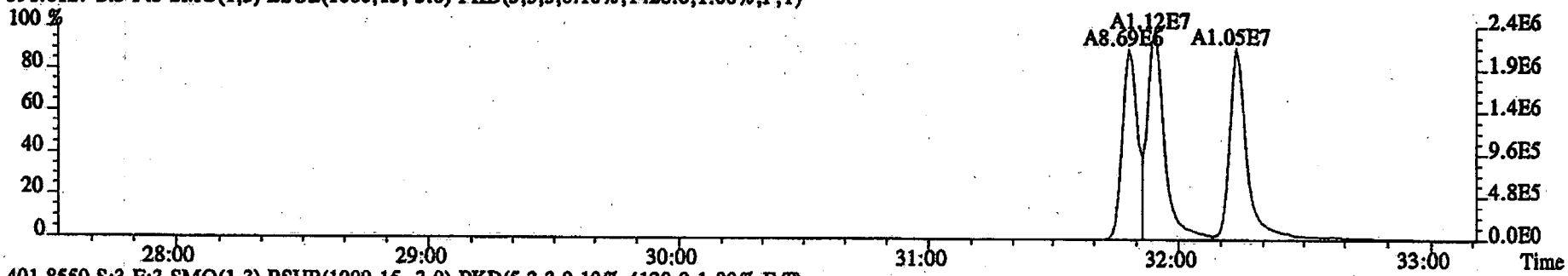
File:23MR059D5 #1-428 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

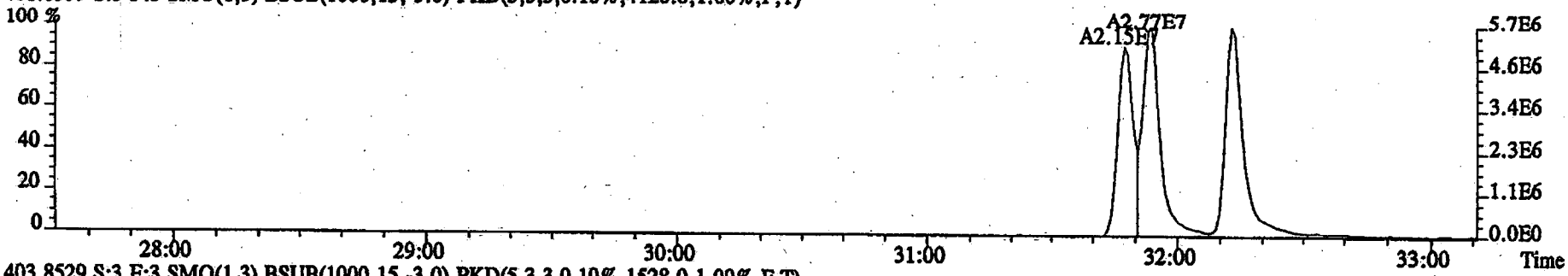
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)



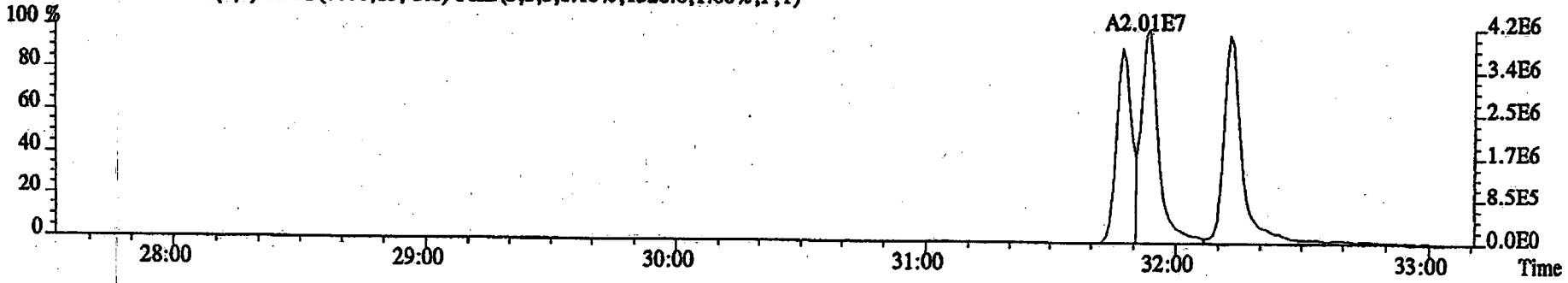
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4120.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



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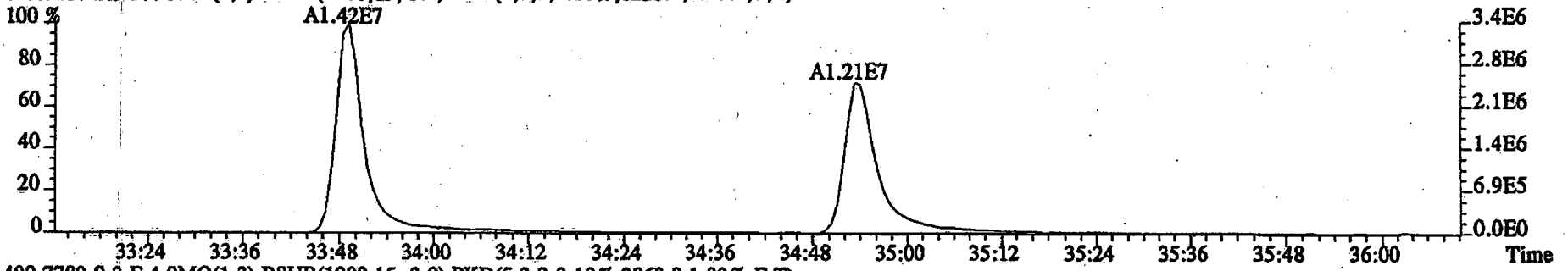
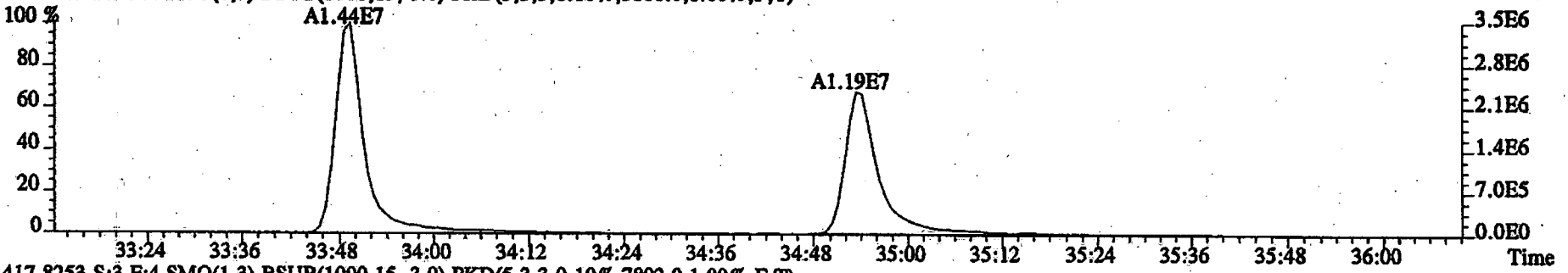
File:23MR059D5 #1-237 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

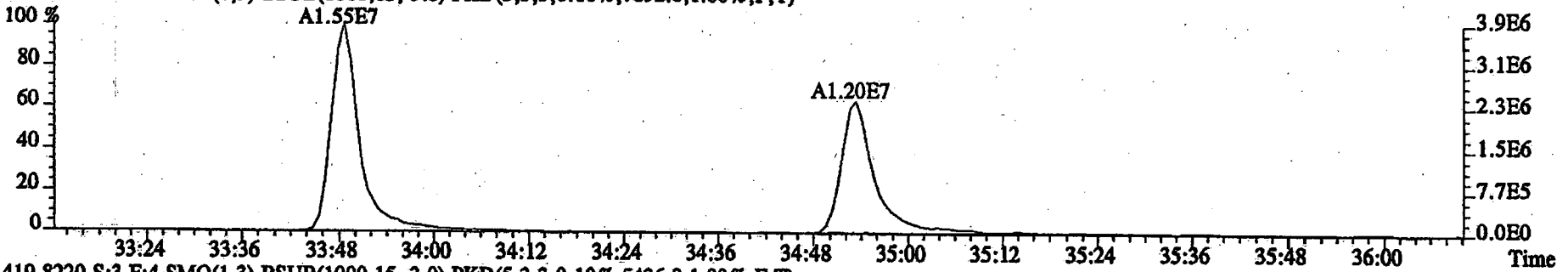
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6228.0,1.00%,F,T)



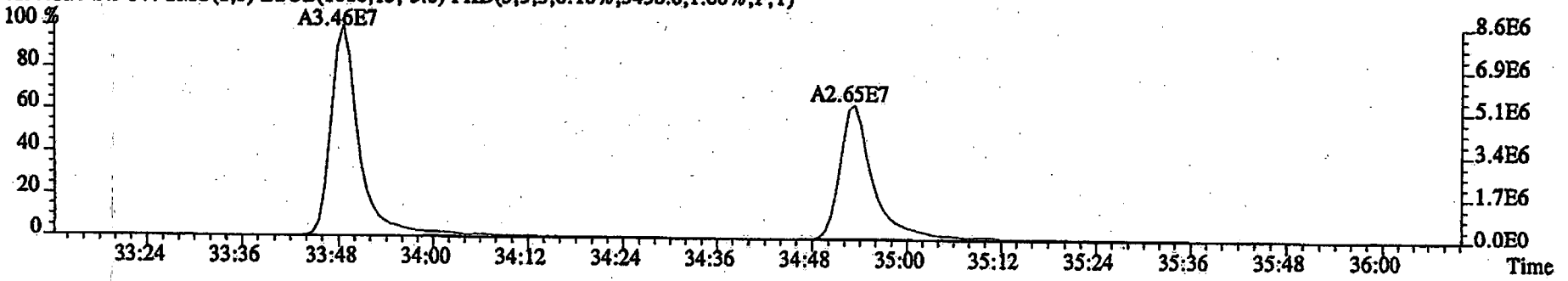
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7892.0,1.00%,F,T)



419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5436.0,1.00%,F,T)



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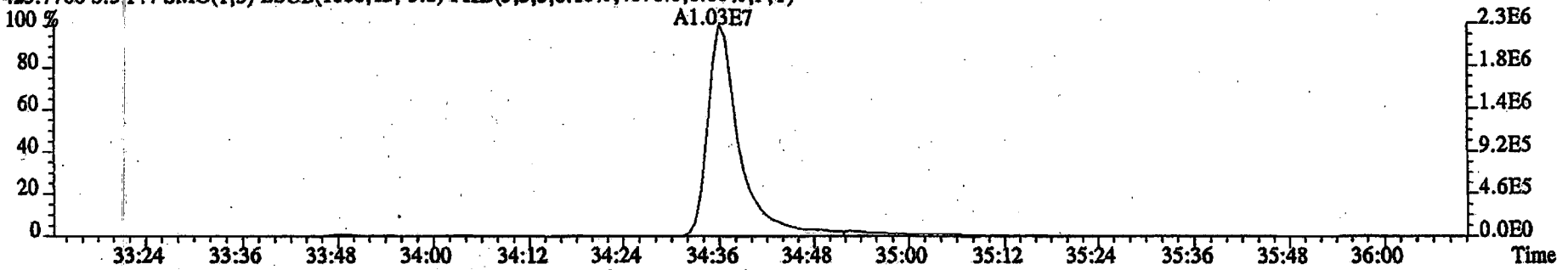
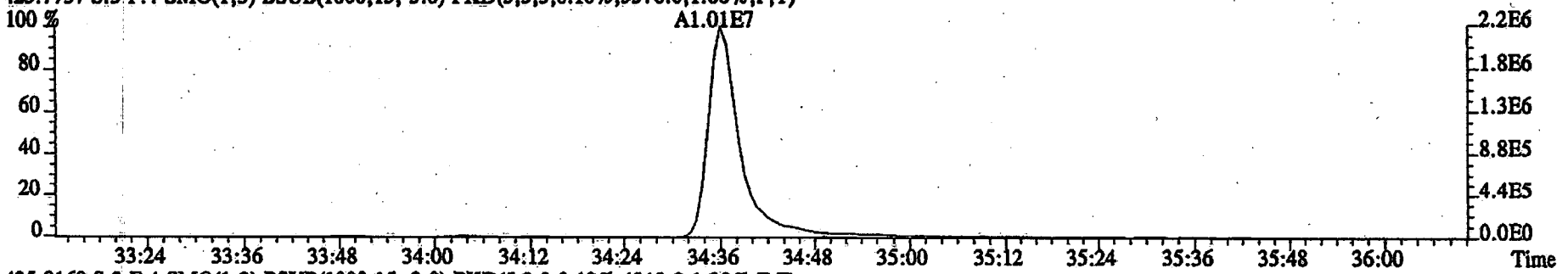
File:23MR059D5 #1-237 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

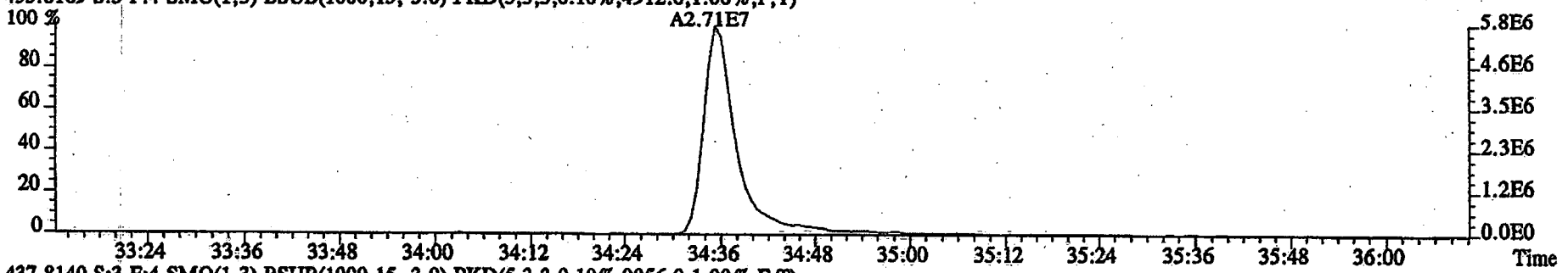
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



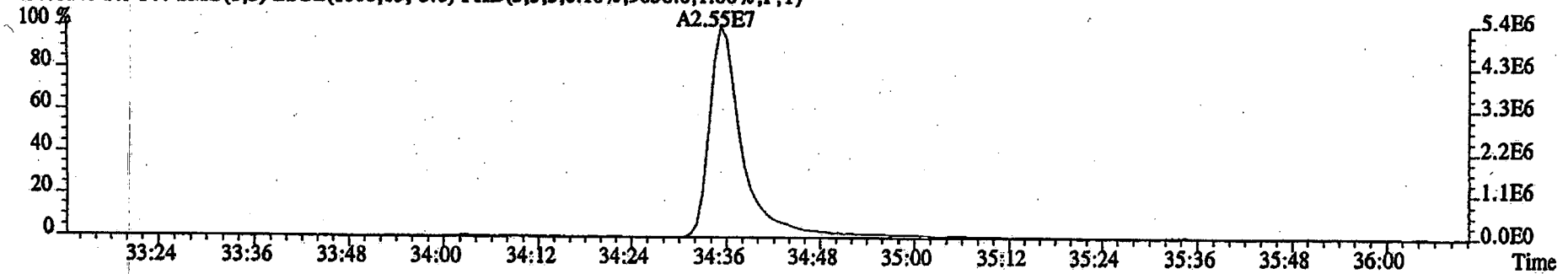
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3376.0,1.00%,F,T)



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4912.0,1.00%,F,T)



437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9056.0,1.00%,F,T)



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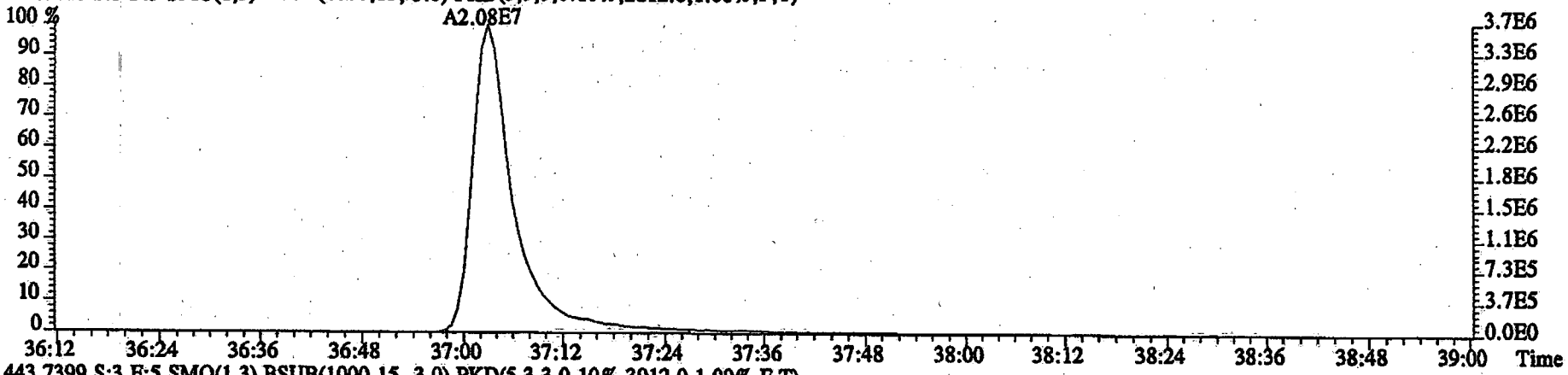
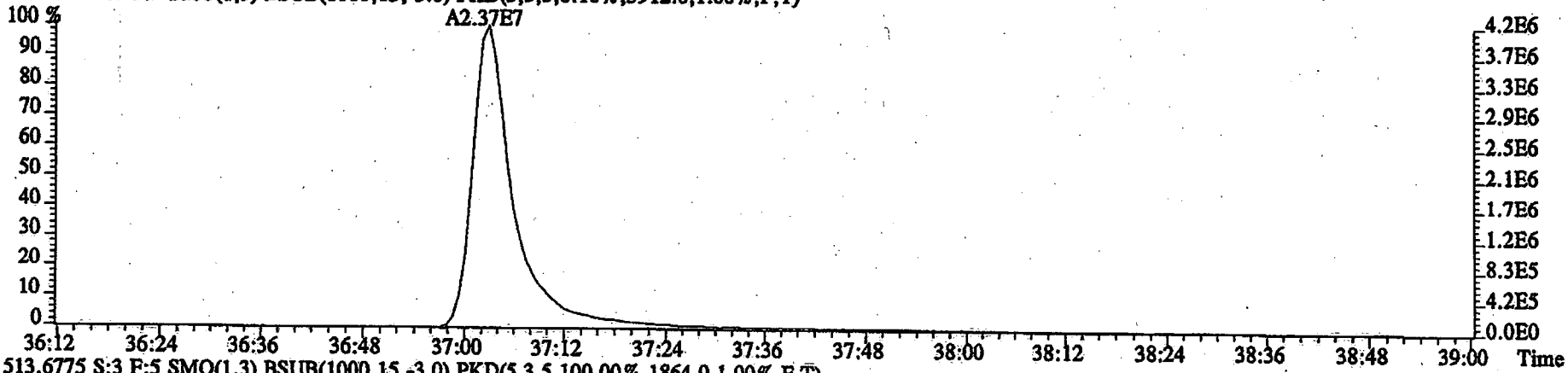
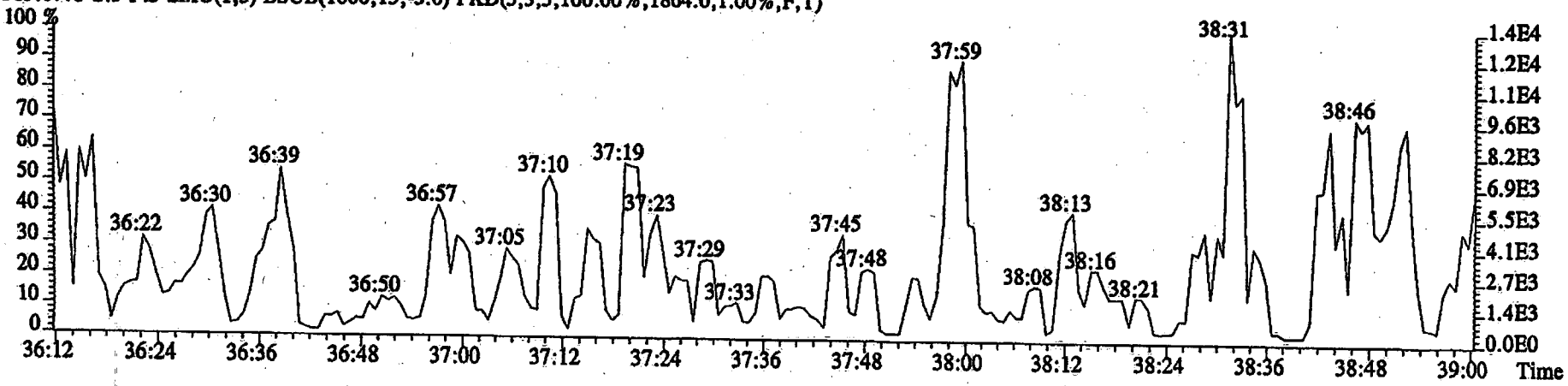
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2812.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1864.0,1.00%,F,T)



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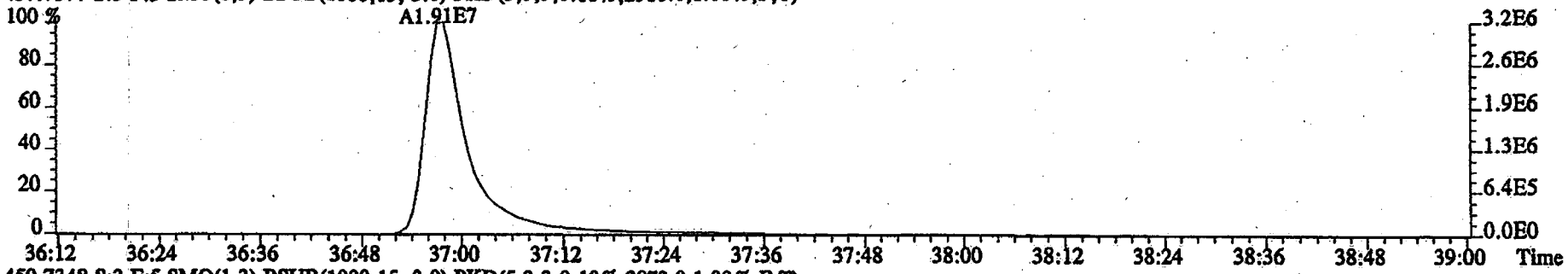
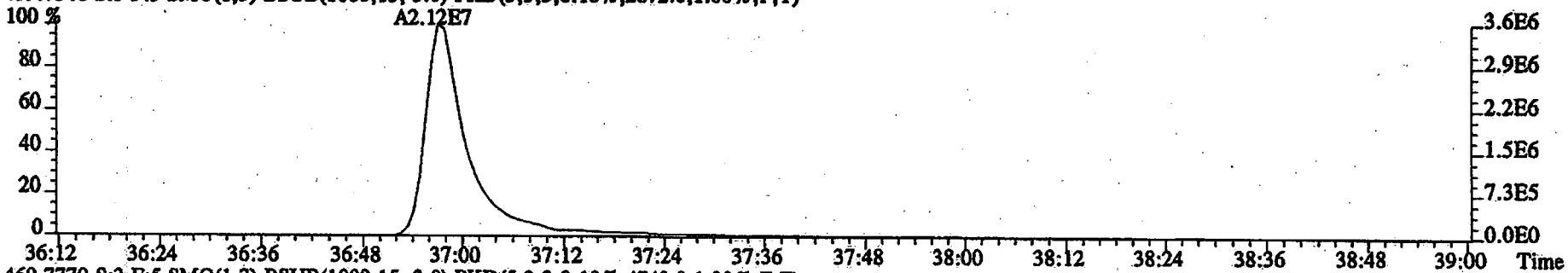
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN

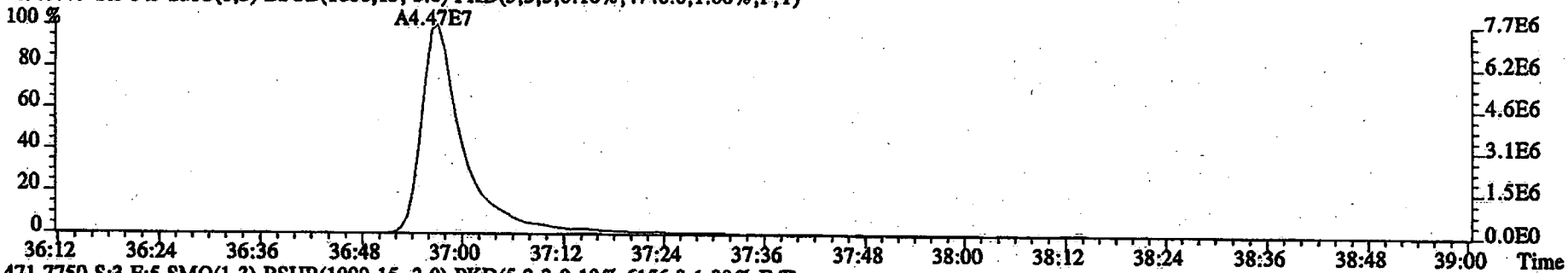
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2980.0,1.00%,F,T)



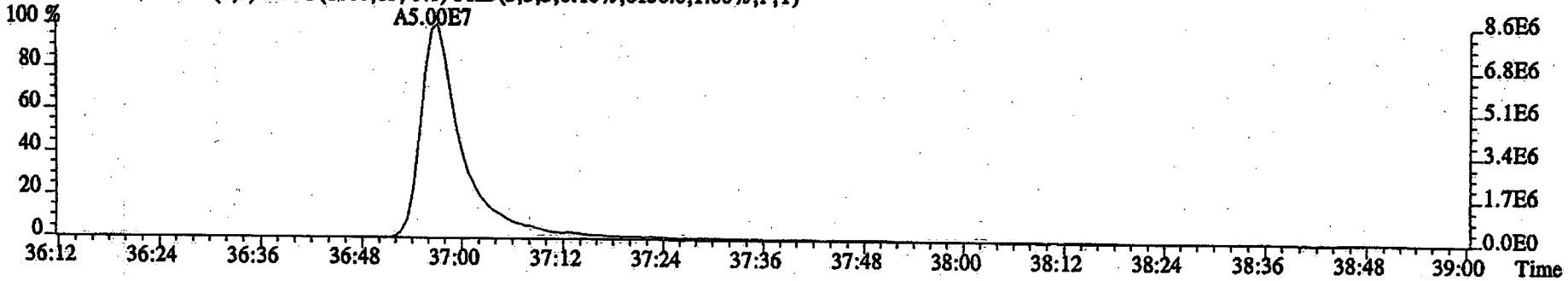
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2872.0,1.00%,F,T)



469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4740.0,1.00%,F,T)



471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6156.0,1.00%,F,T)



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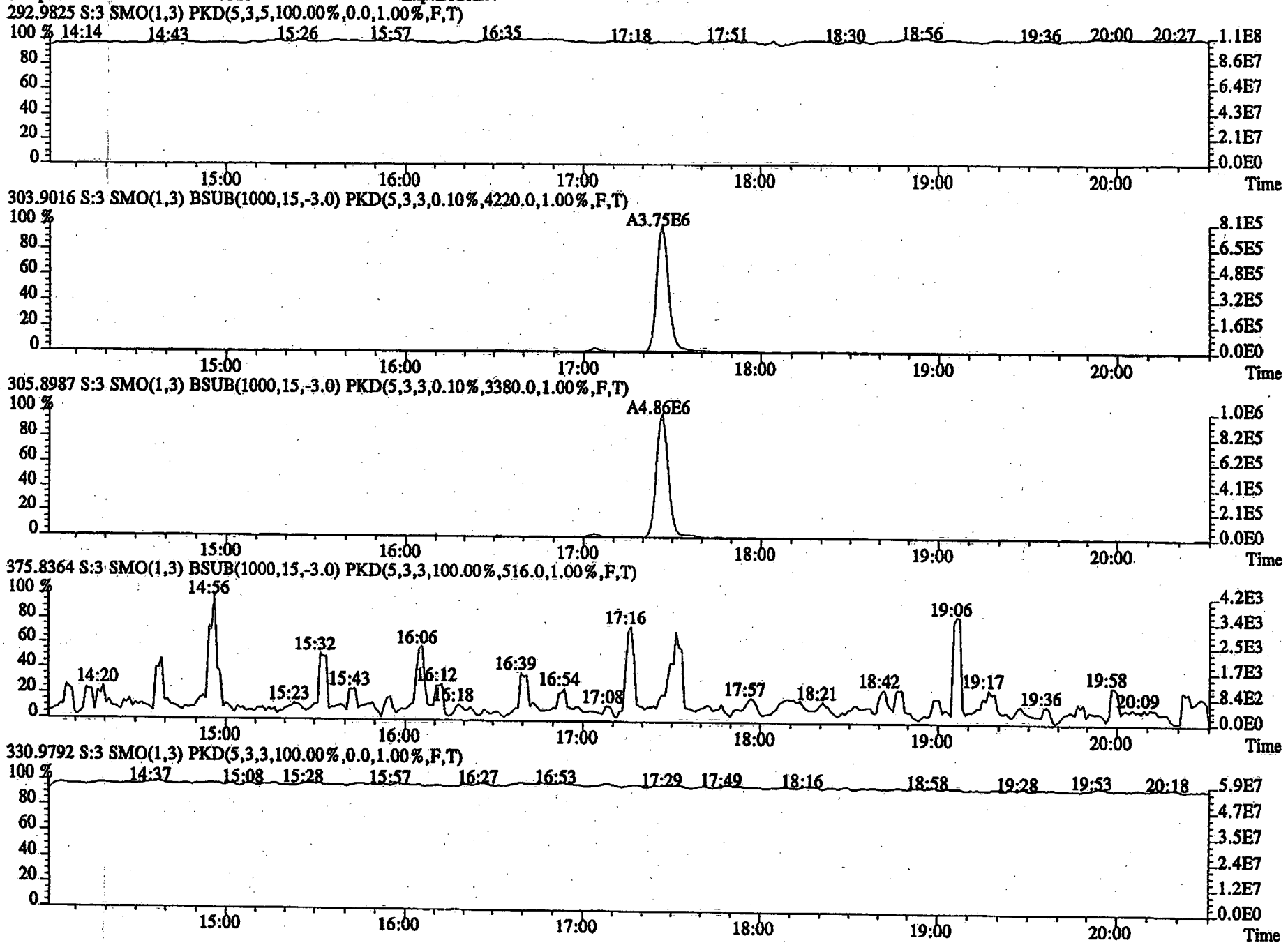
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN



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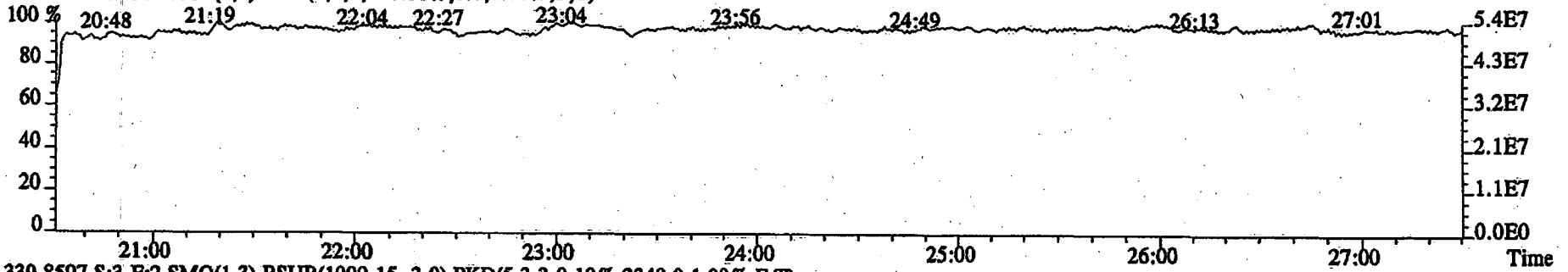
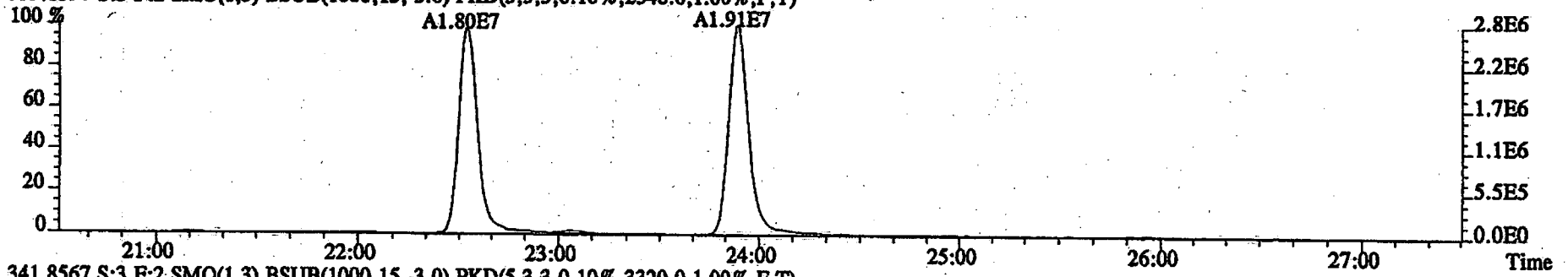
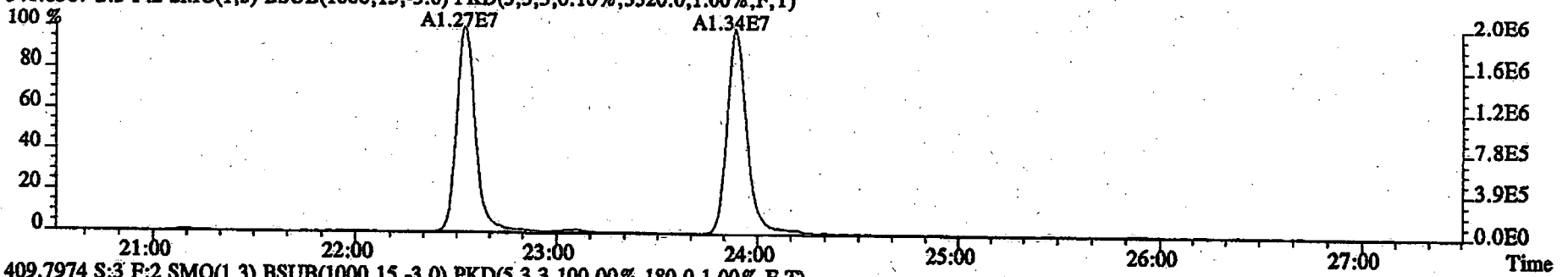
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



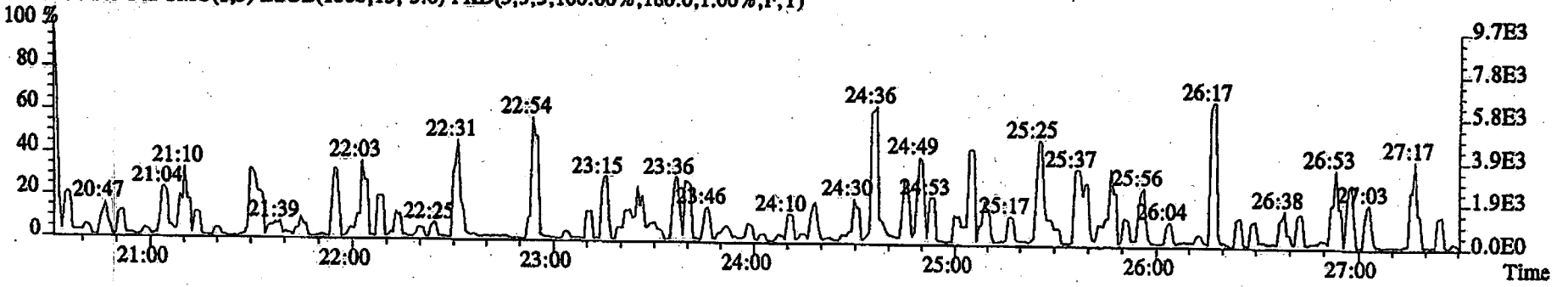
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)



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STL Edison

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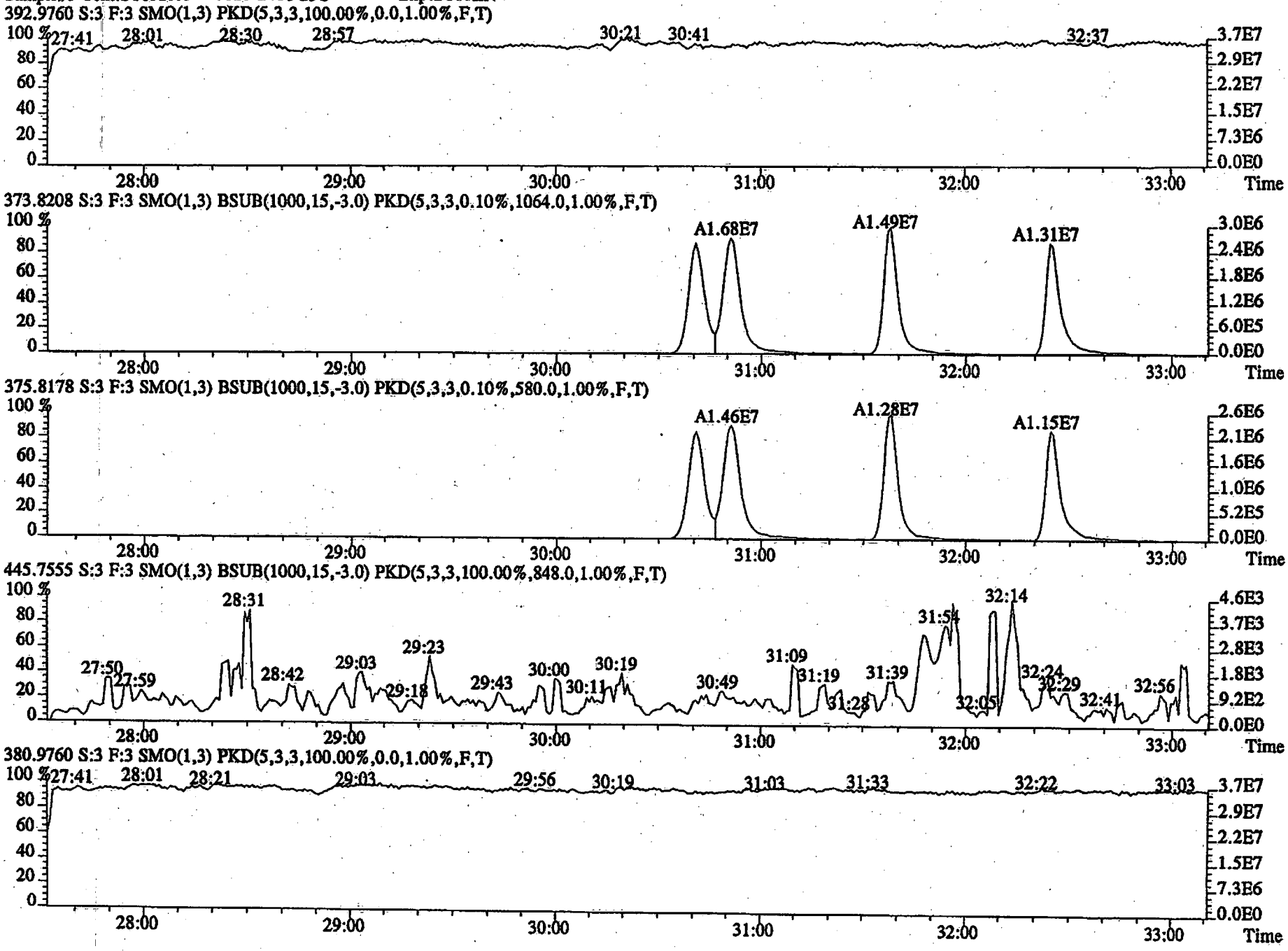
File:23MR059D5 #1-428 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN



998

STL Edison

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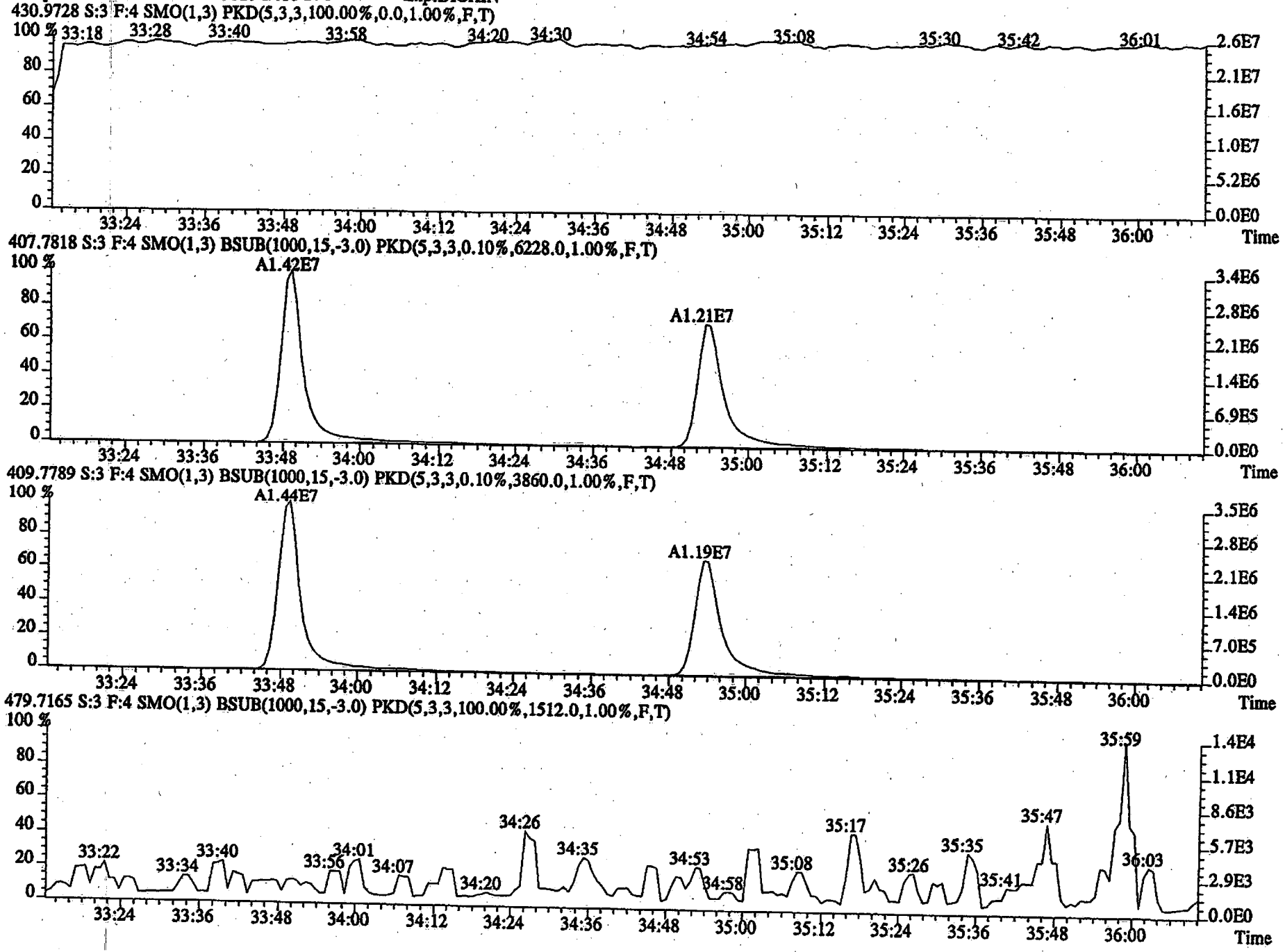
File:23MR059D5 #1-237 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN



999

STL Edison

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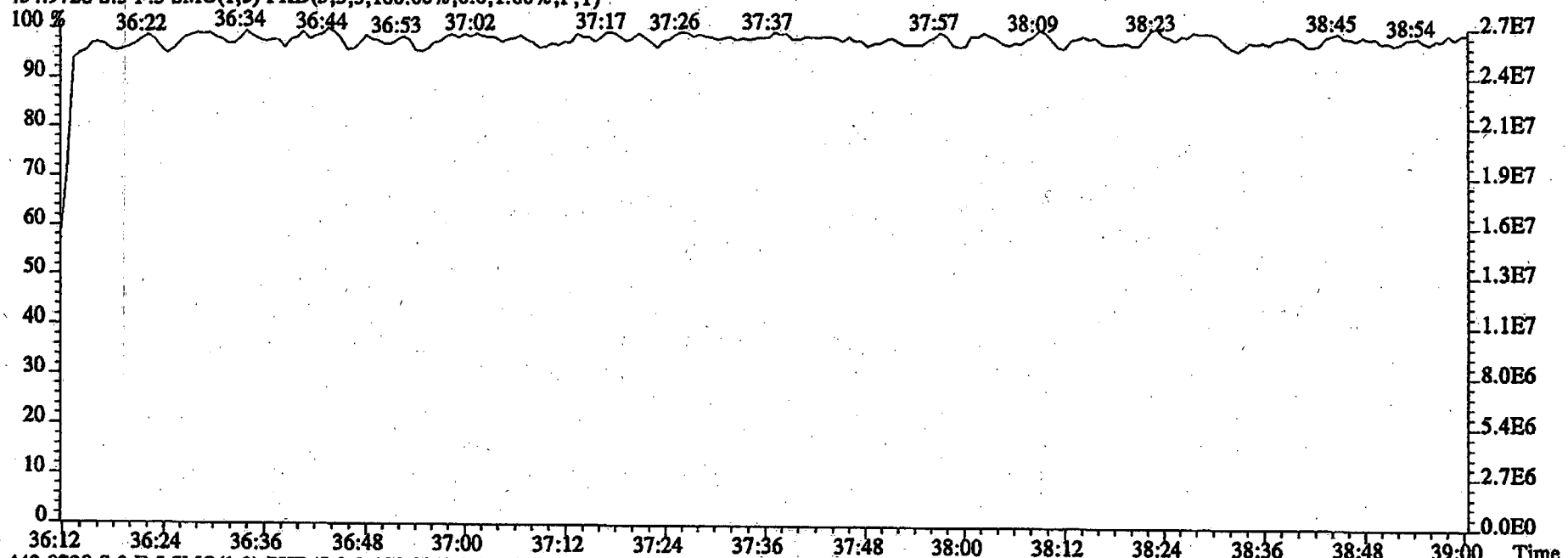
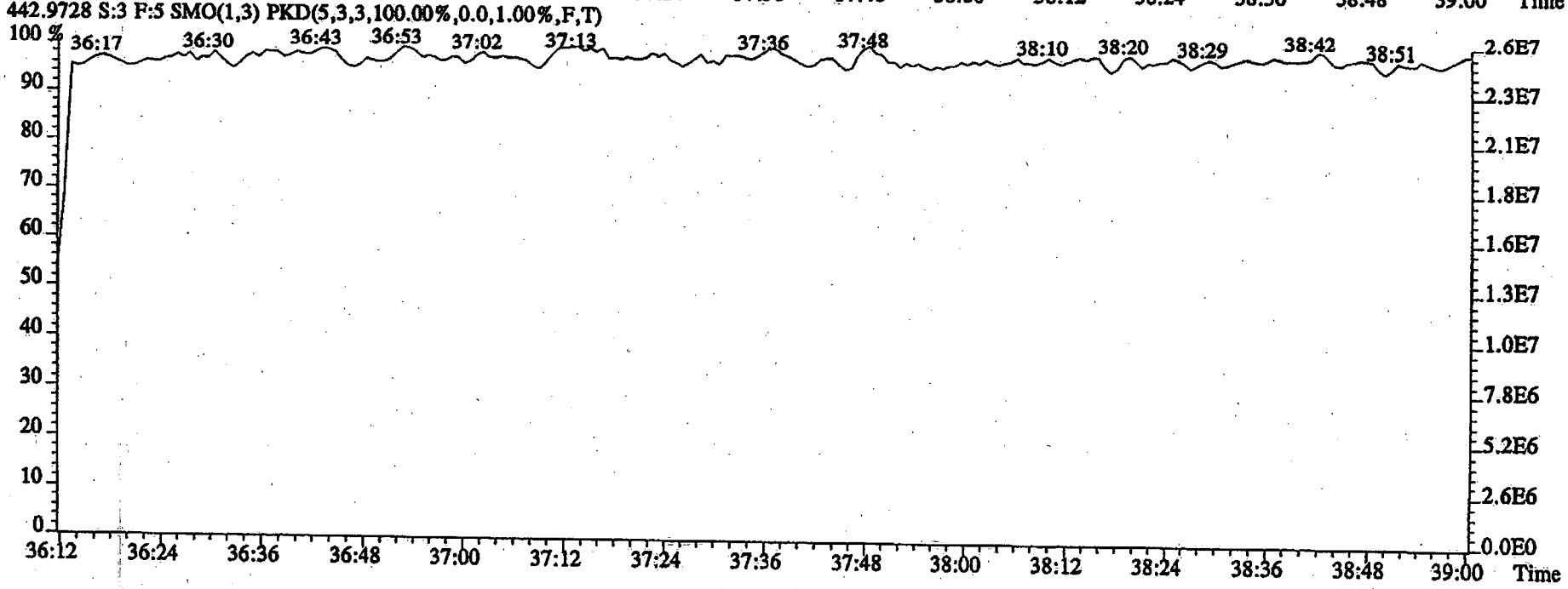
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:42:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0323A :CS3 2416-23C Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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STL Edison

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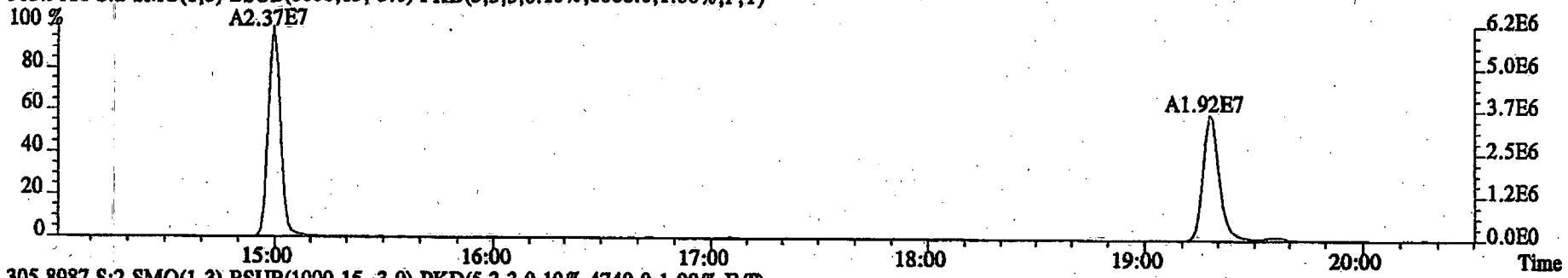
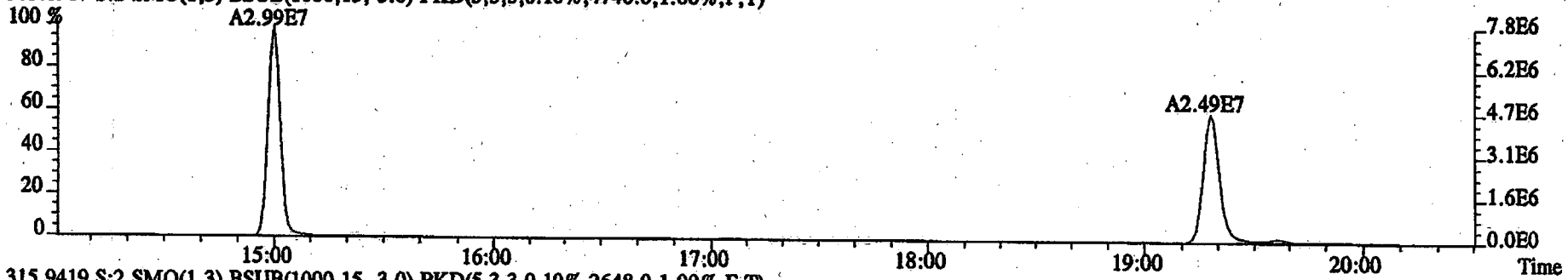
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

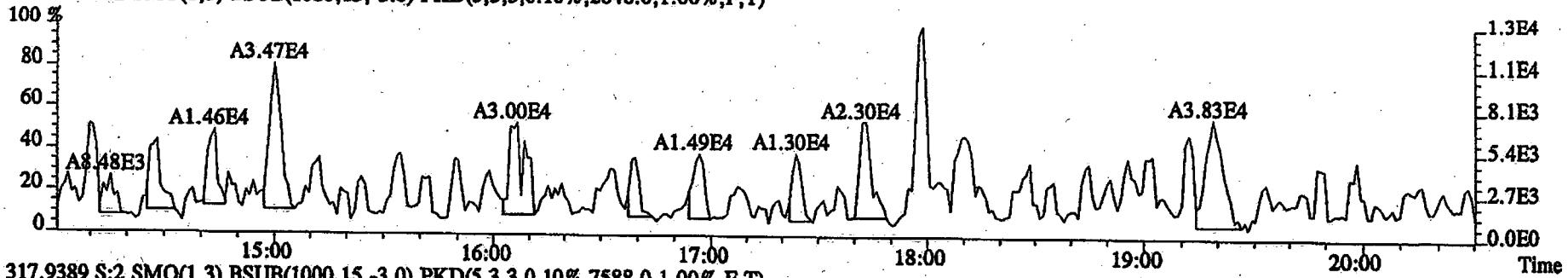
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6068.0,1.00%,F,T)



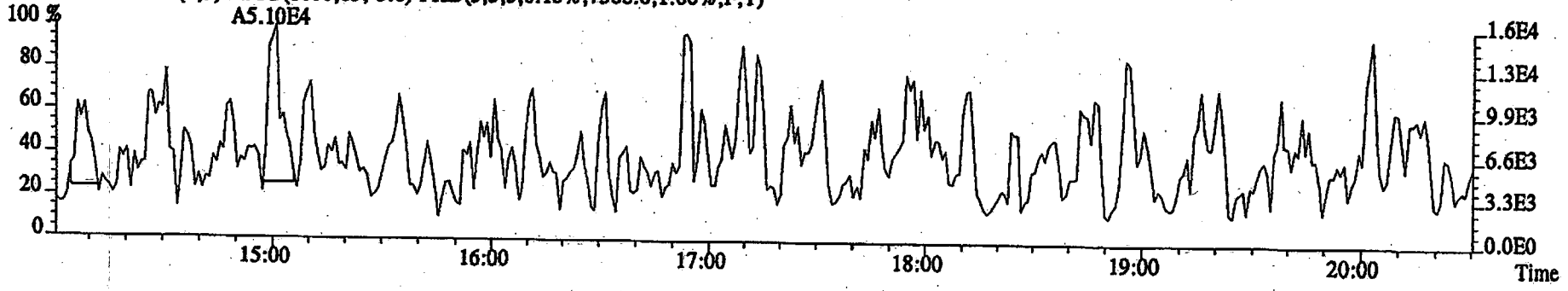
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4740.0,1.00%,F,T)



315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)



317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7588.0,1.00%,F,T)



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STL Edison

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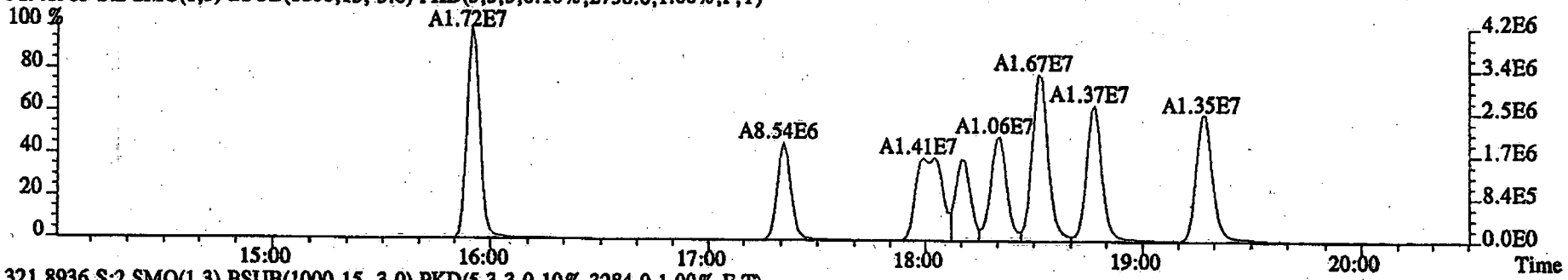
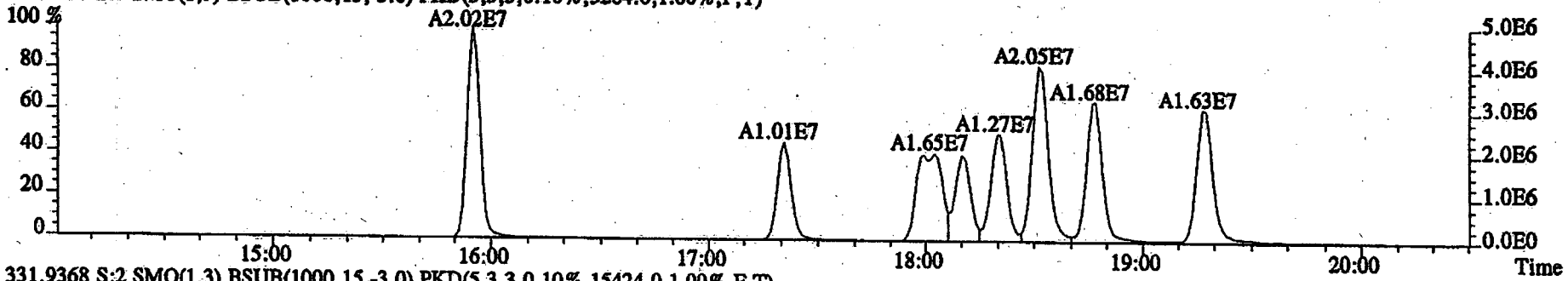
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

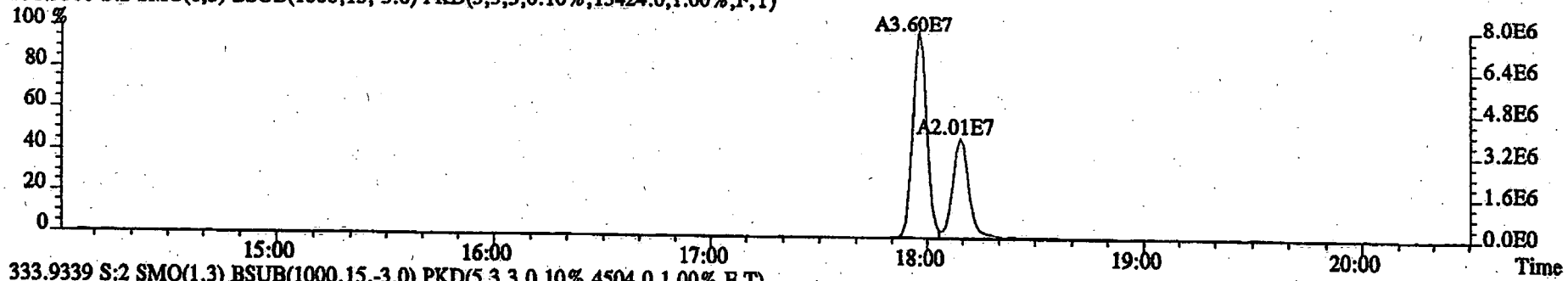
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2736.0,1.00%,F,T)



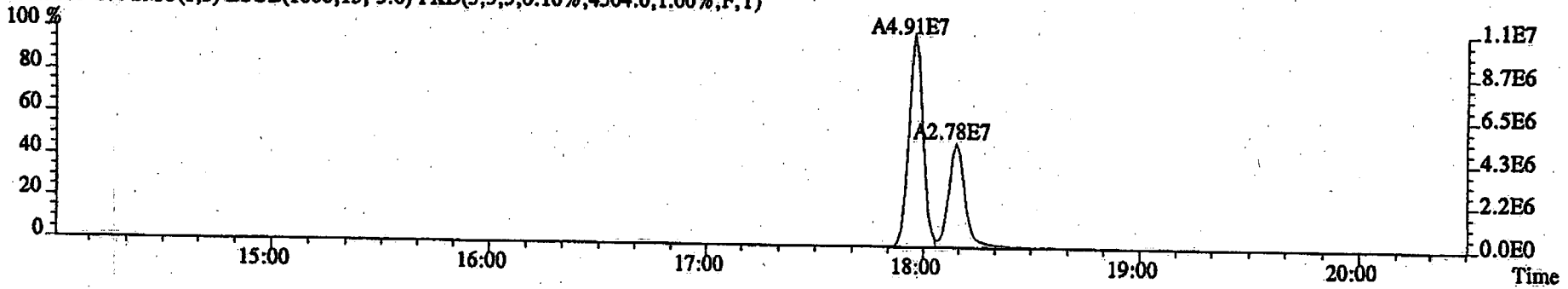
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3284.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15424.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)



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STL Edison
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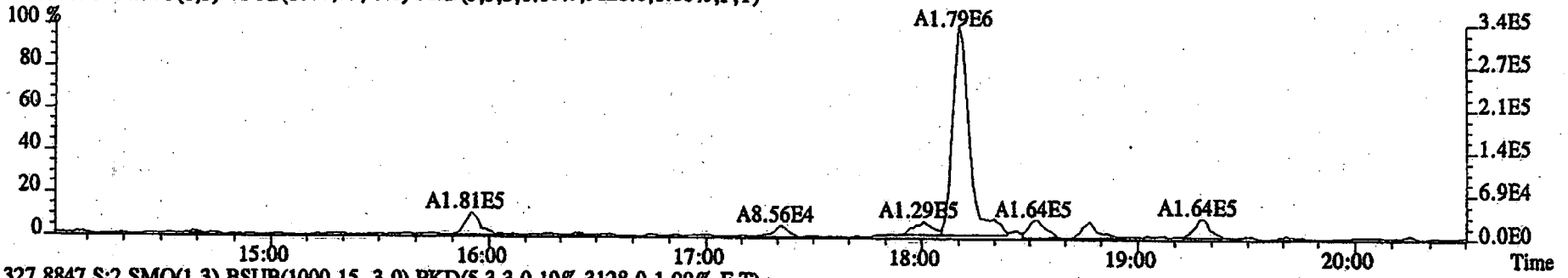
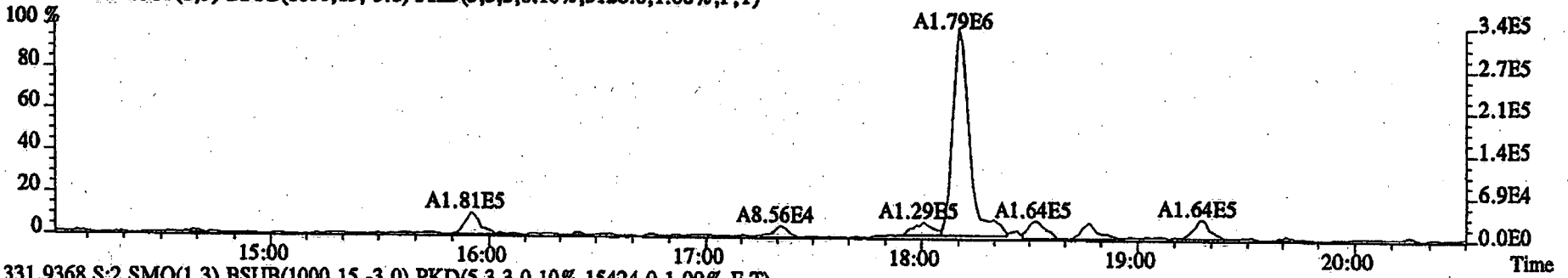
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

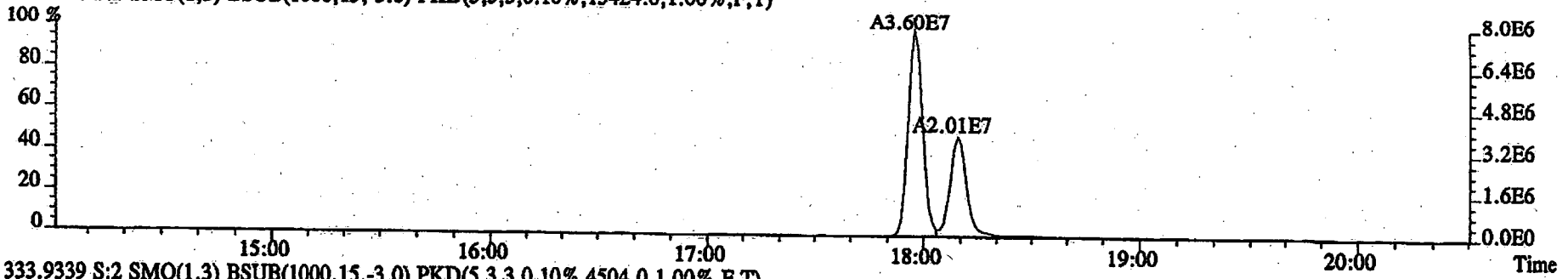
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3128.0,1.00%,F,T)



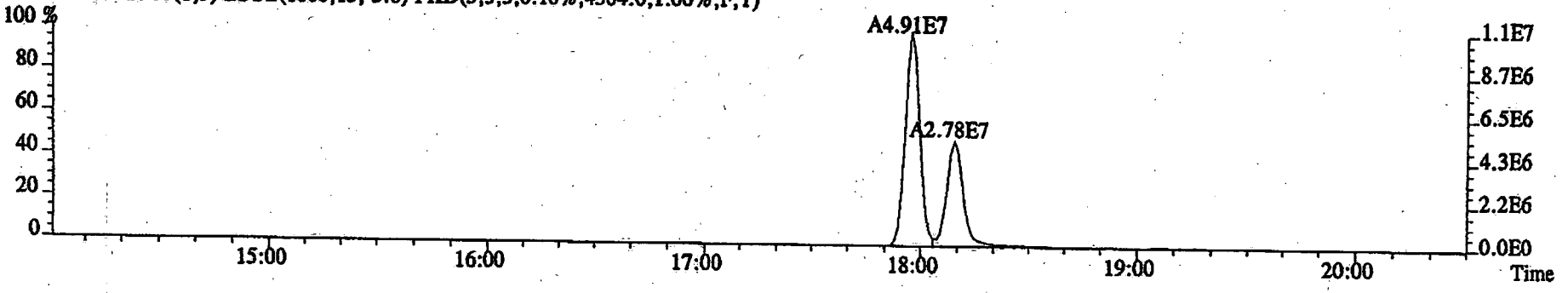
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3128.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15424.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)



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STL Edison
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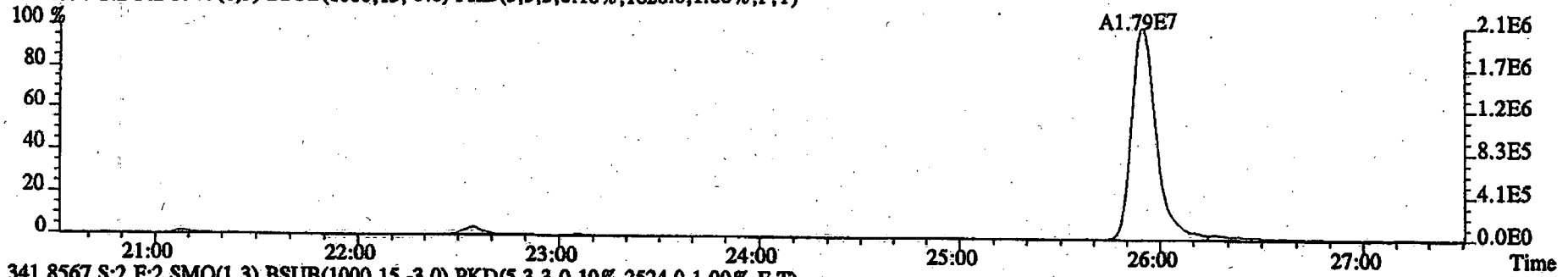
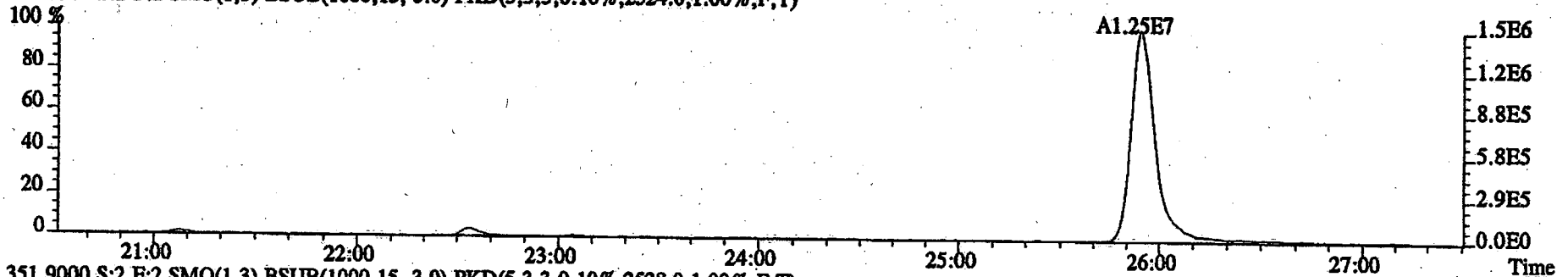
File:23MR059D5 #1-557 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

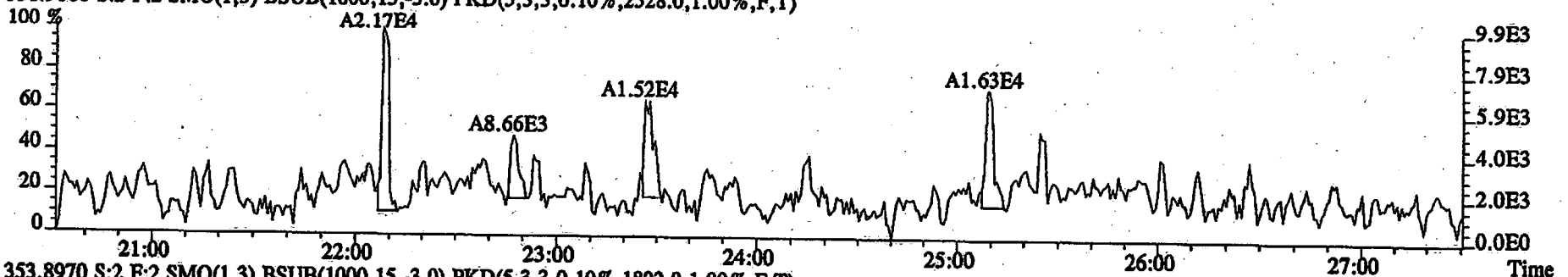
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)



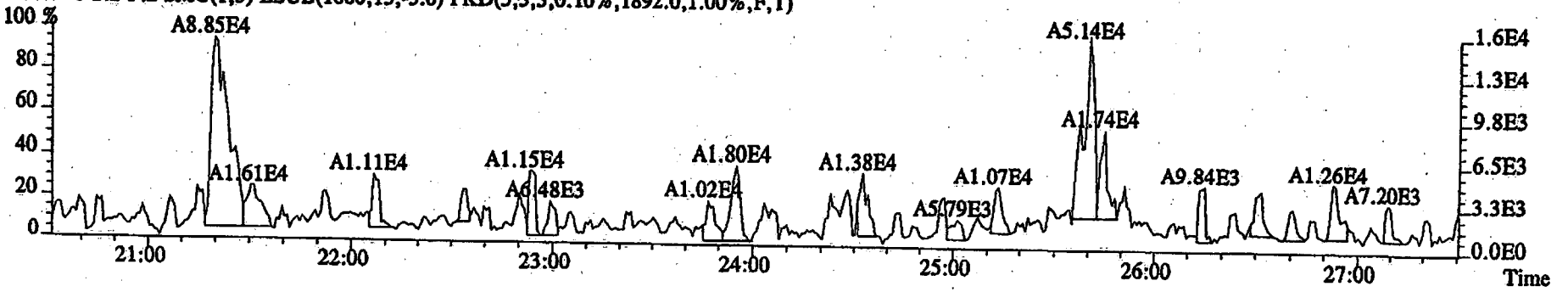
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)



351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)



353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)



1004

STL Edison

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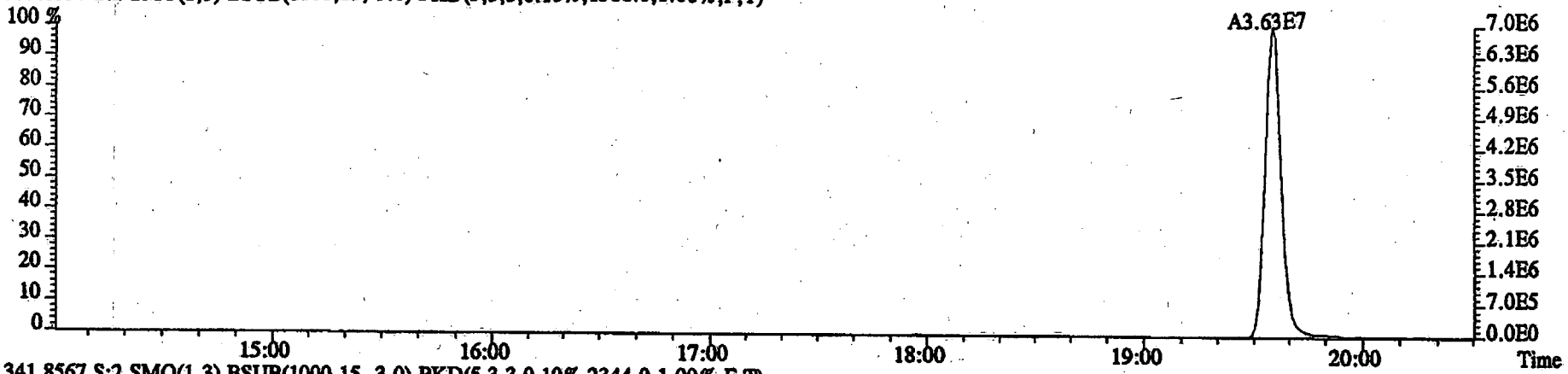
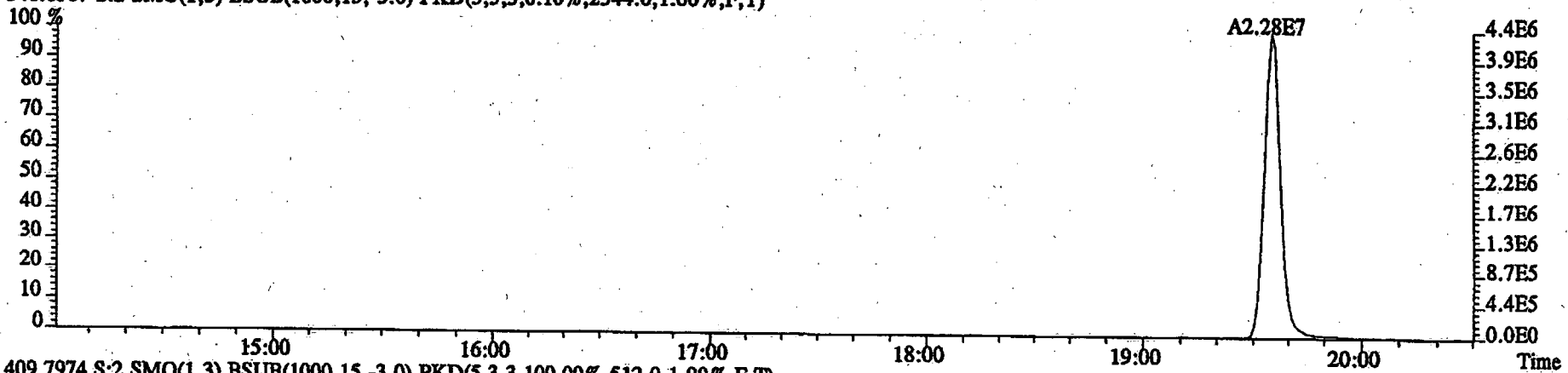
File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

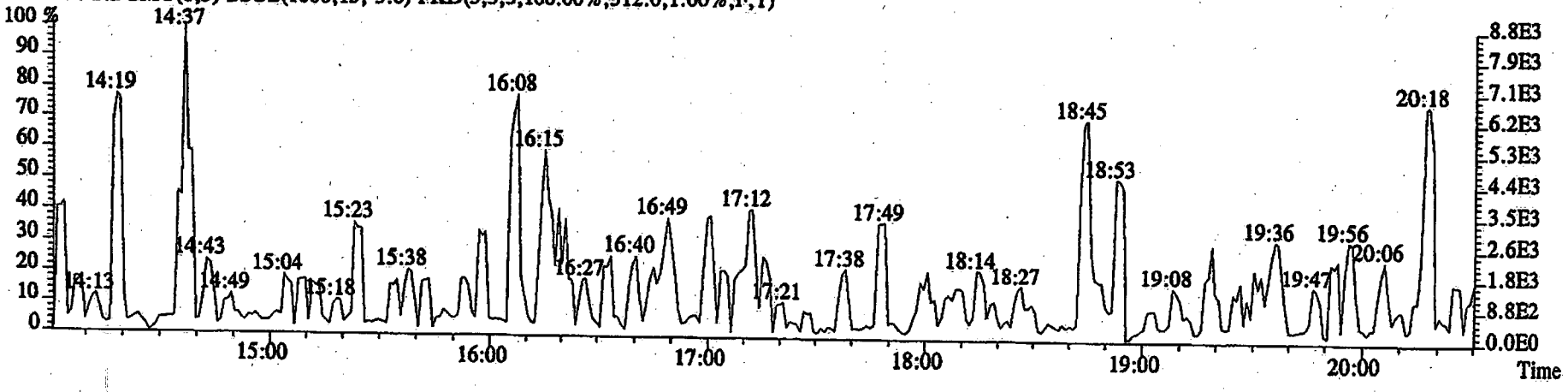
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1568.0,1.00%,F,T)



341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2344.0,1.00%,F,T)



409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,512.0,1.00%,F,T)



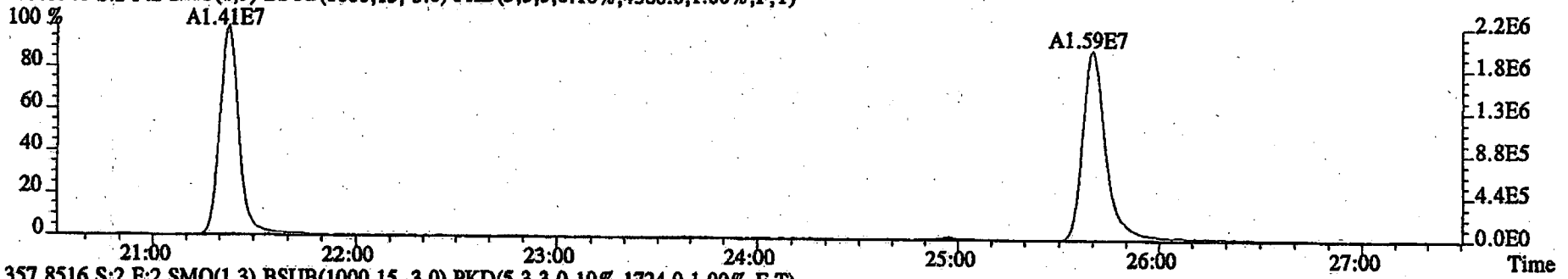
1005

STL Edison

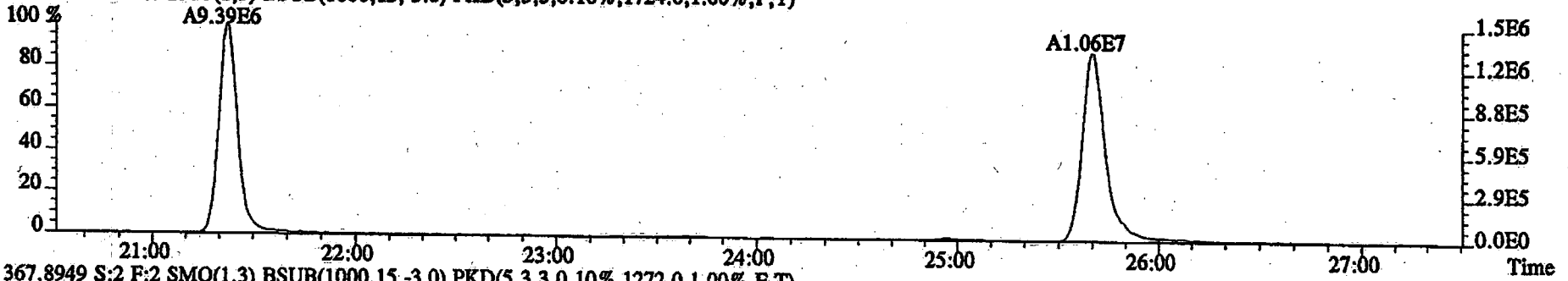
U855

File:23MR059D5 #1-557 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

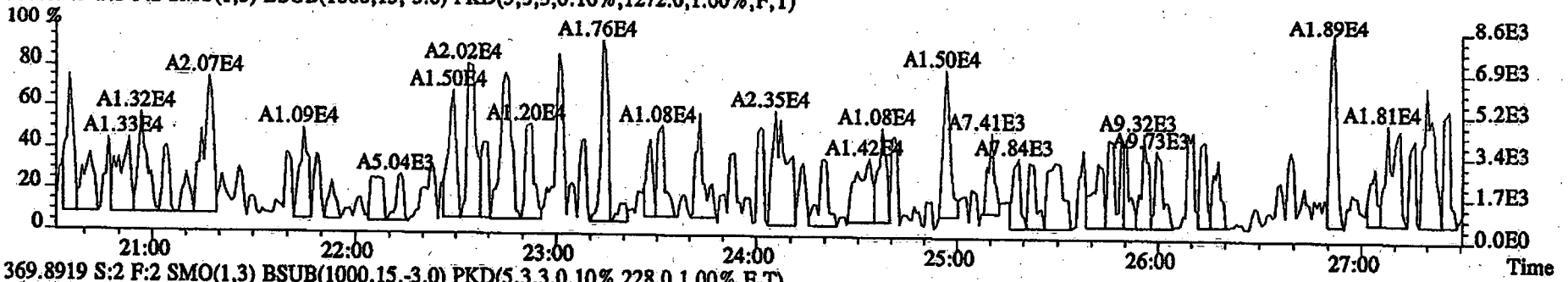
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



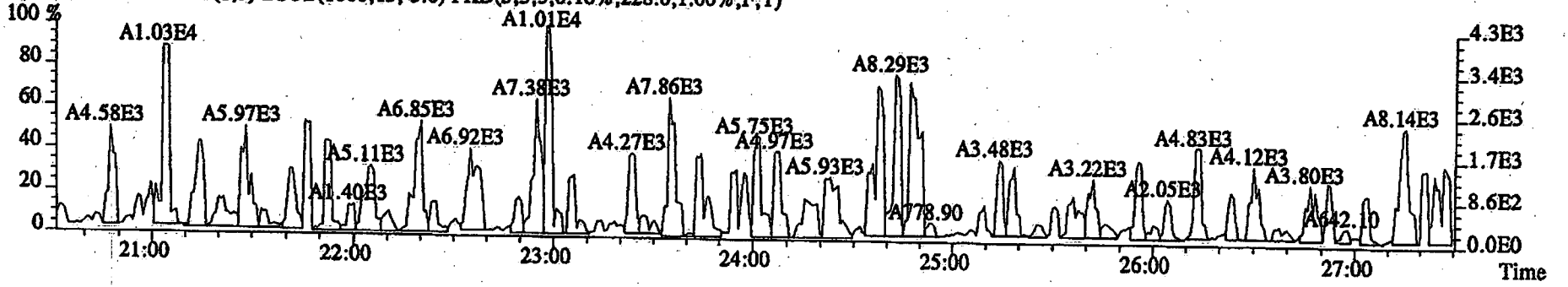
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)



369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,228.0,1.00%,F,T)



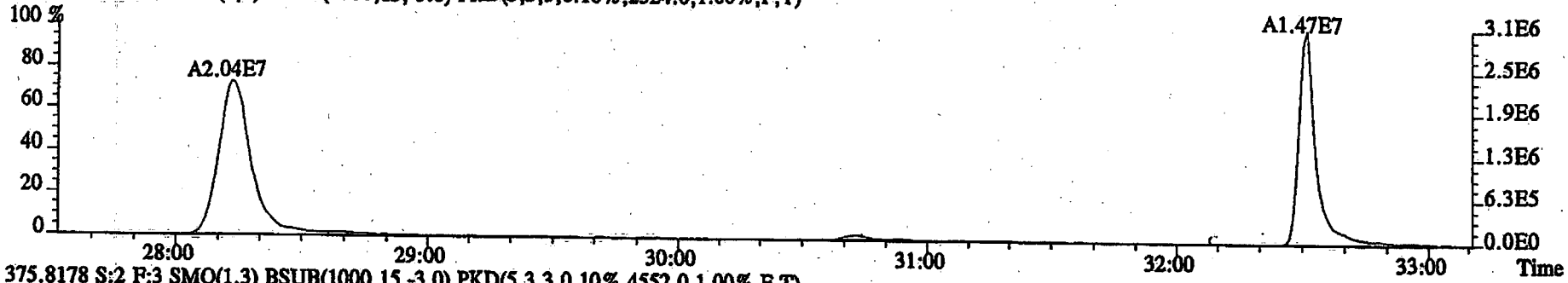
1006

STL Edison

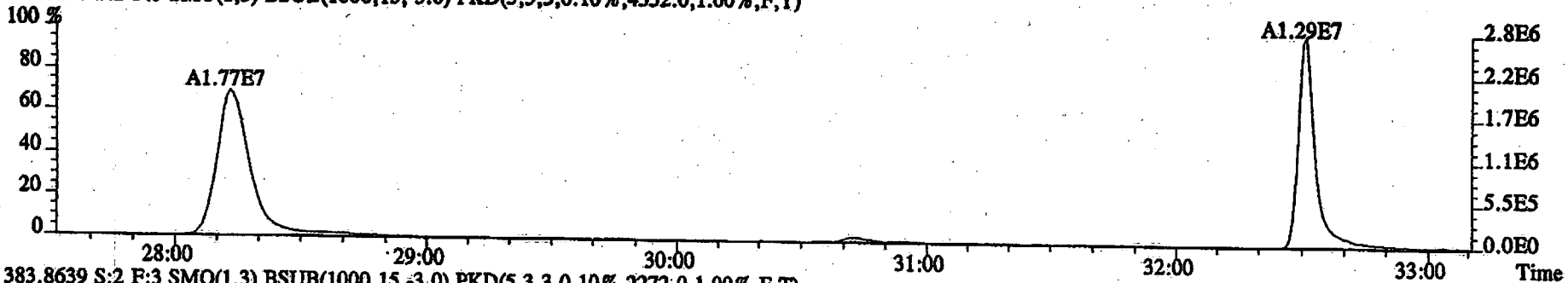
U855

File:23MR059D5 #1-428 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

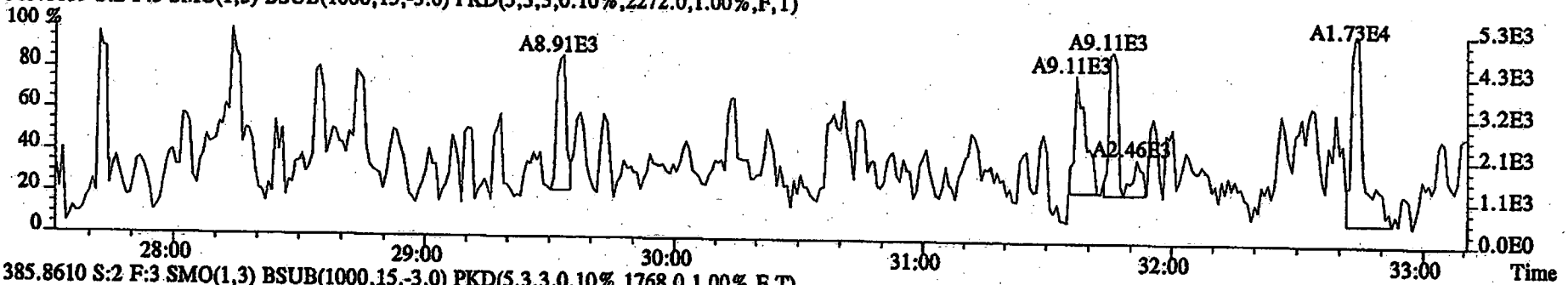
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)



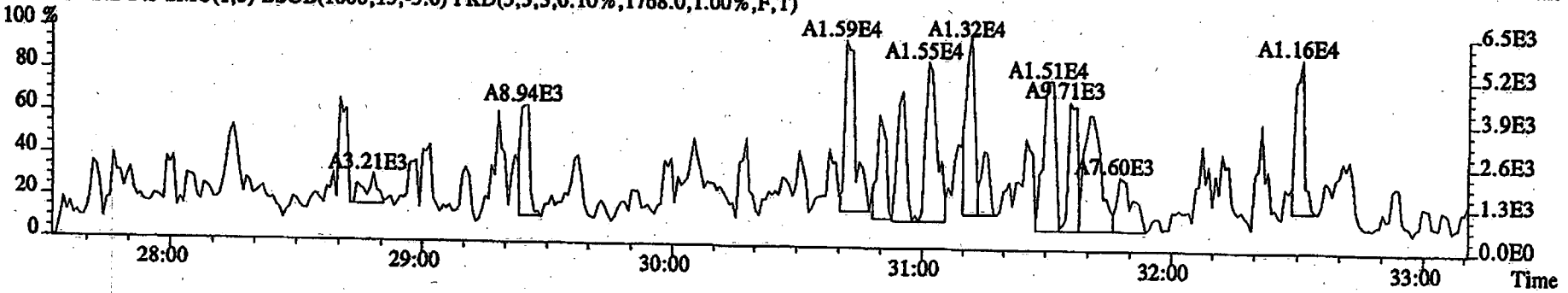
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4552.0,1.00%,F,T)



383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2272.0,1.00%,F,T)



385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1768.0,1.00%,F,T)

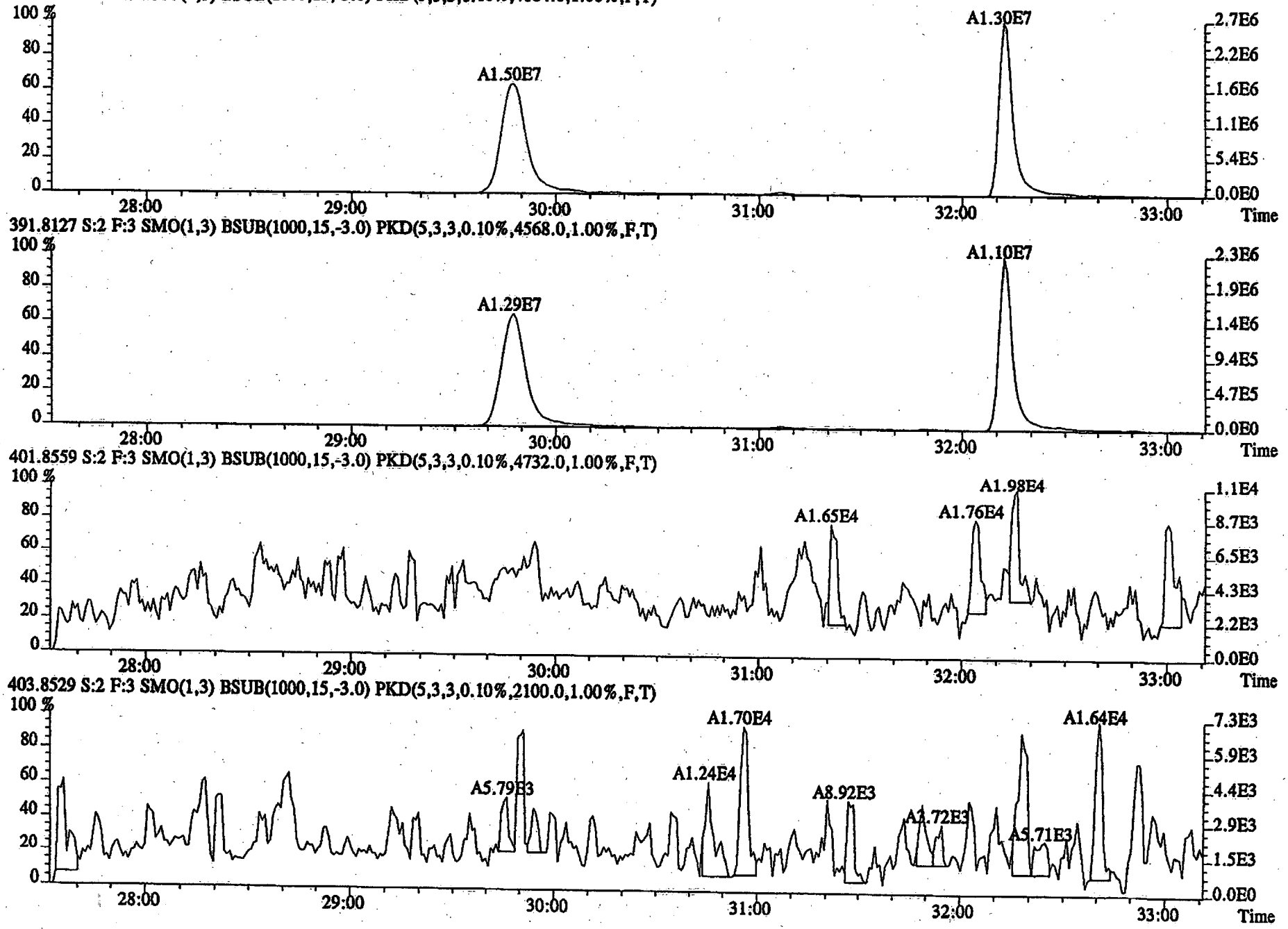


1007

STL Edison

U855

File:23MR059D5 #1-428 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN



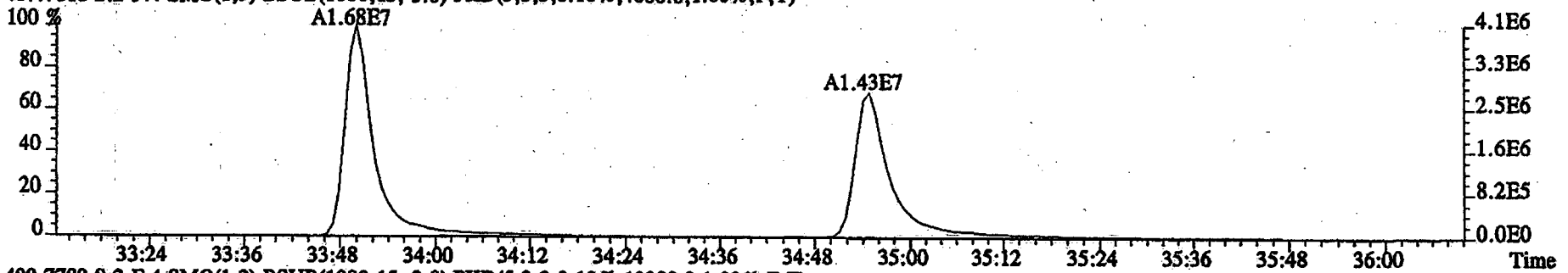
1008

STL Edison

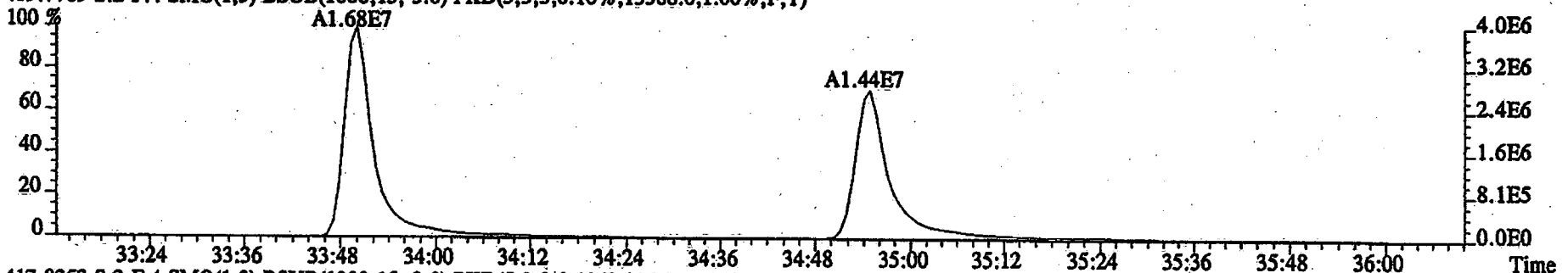
U855

File:23MR059D5 #1-237 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

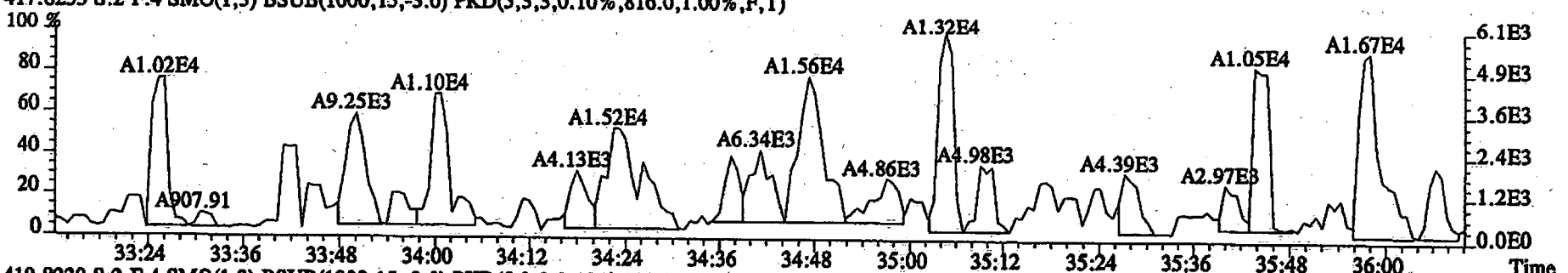
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4000.0,1.00%,F,T)



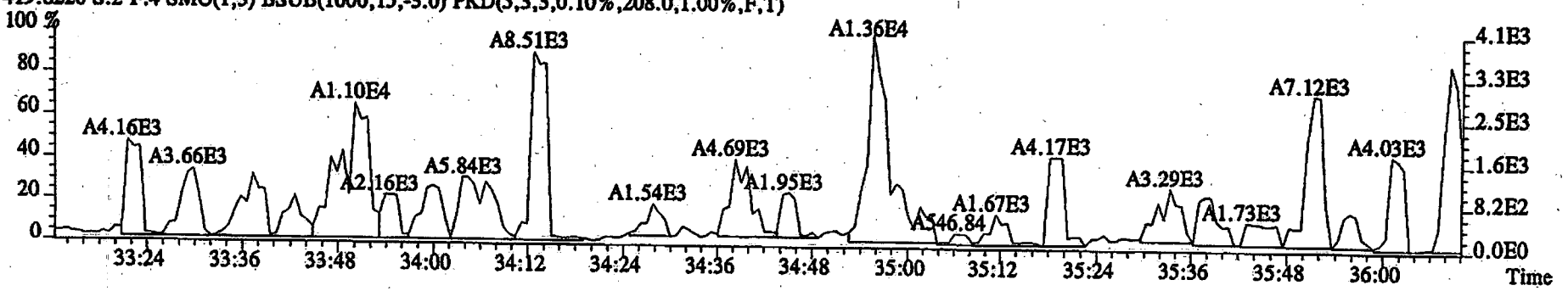
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13388.0,1.00%,F,T)



417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)



419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



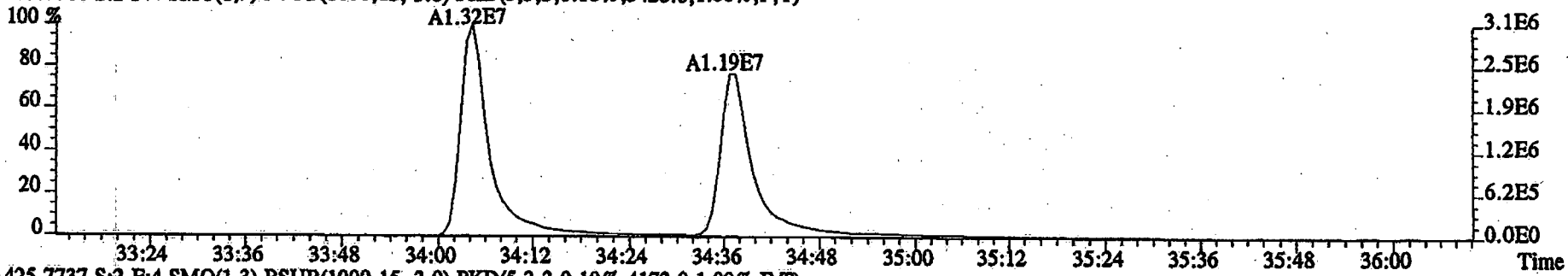
1009

STL Edison

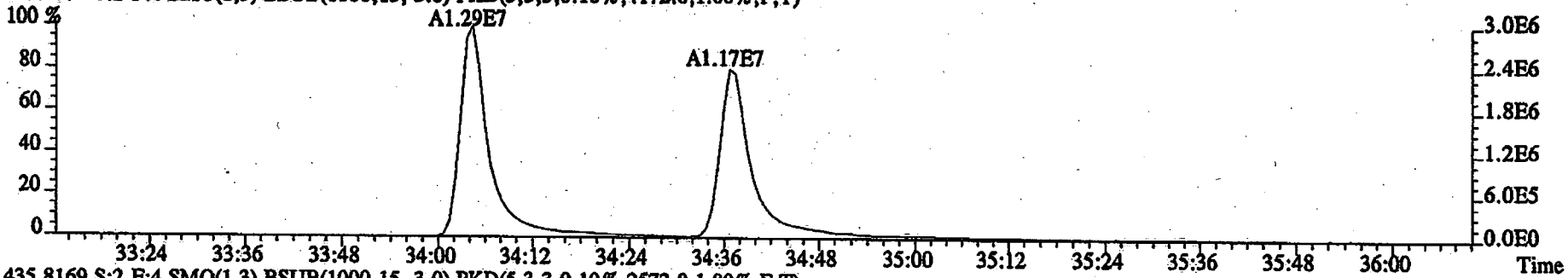
U855

File:23MR059D5 #1-237 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

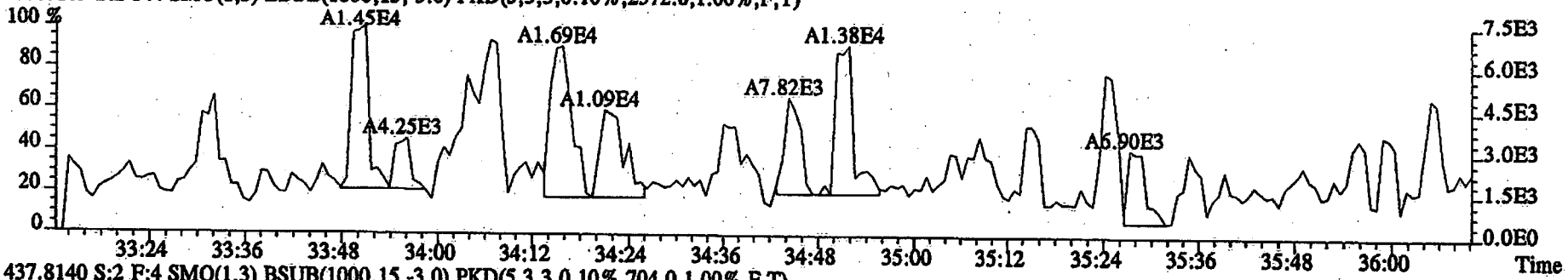
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3420.0,1.00%,F,T)



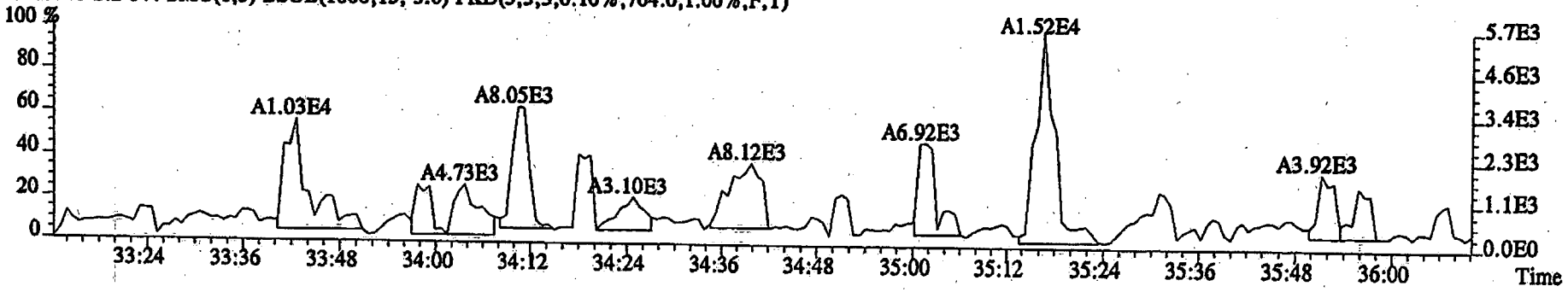
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4172.0,1.00%,F,T)



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2572.0,1.00%,F,T)

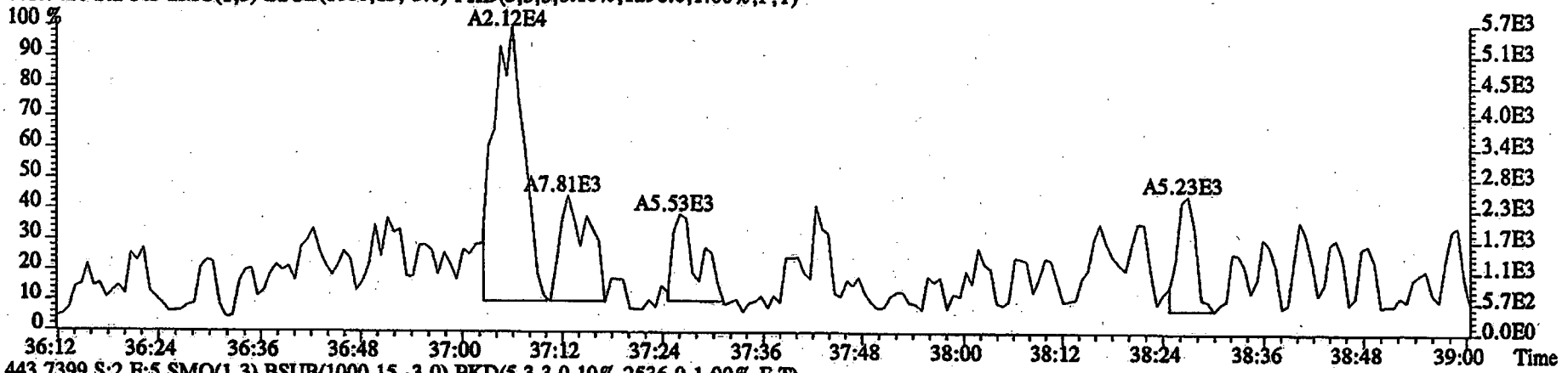


437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704.0,1.00%,F,T)

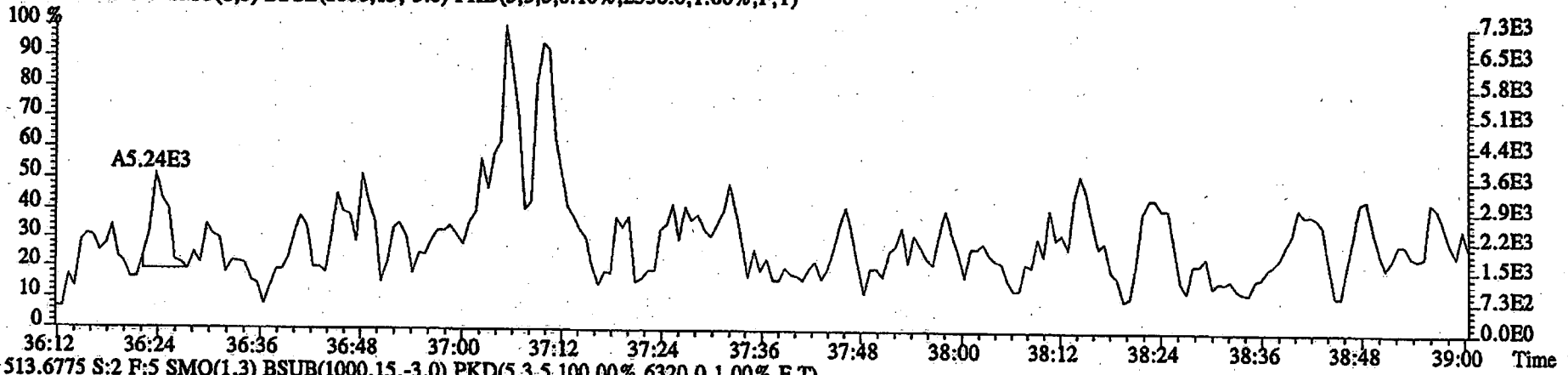


1010
STL Edison
U855

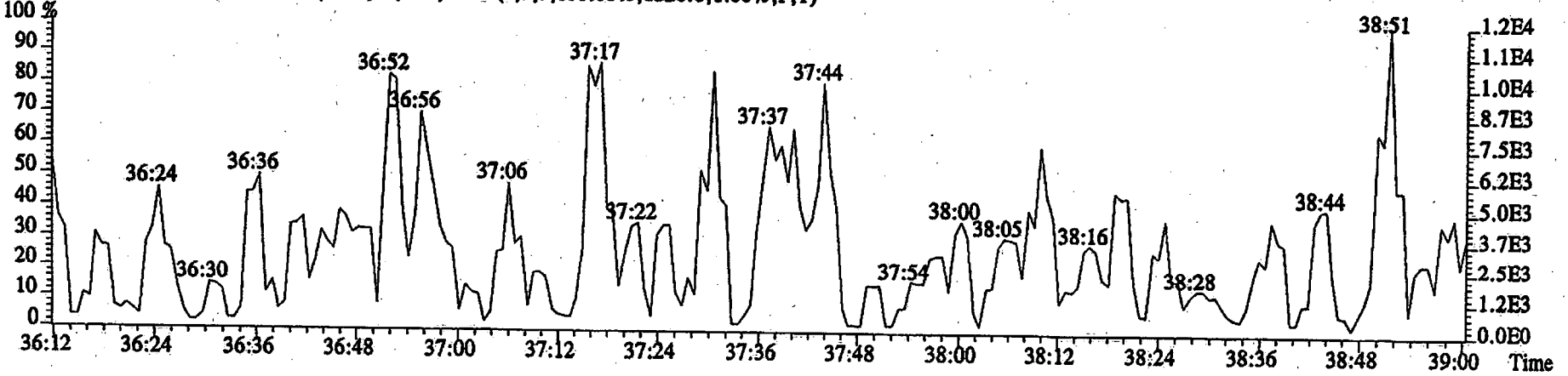
File:23MR059D5 #1-228 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2536.0,1.00%,F,T)



513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,6320.0,1.00%,F,T)



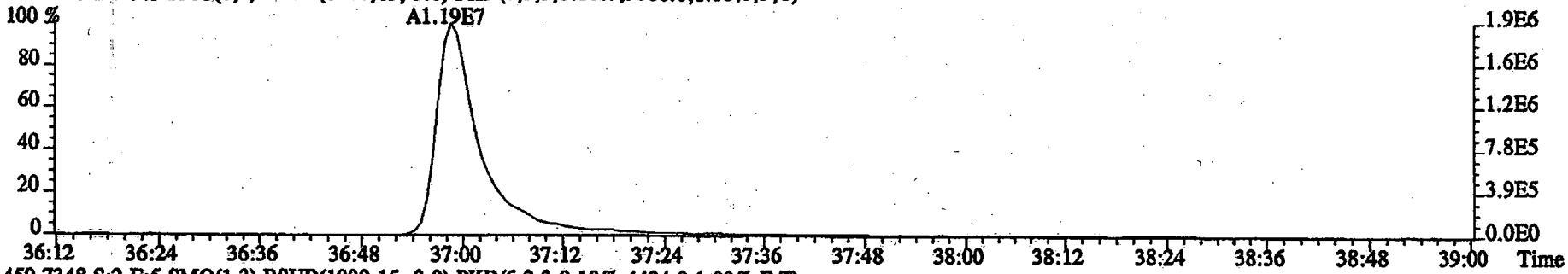
1011

STL Edison

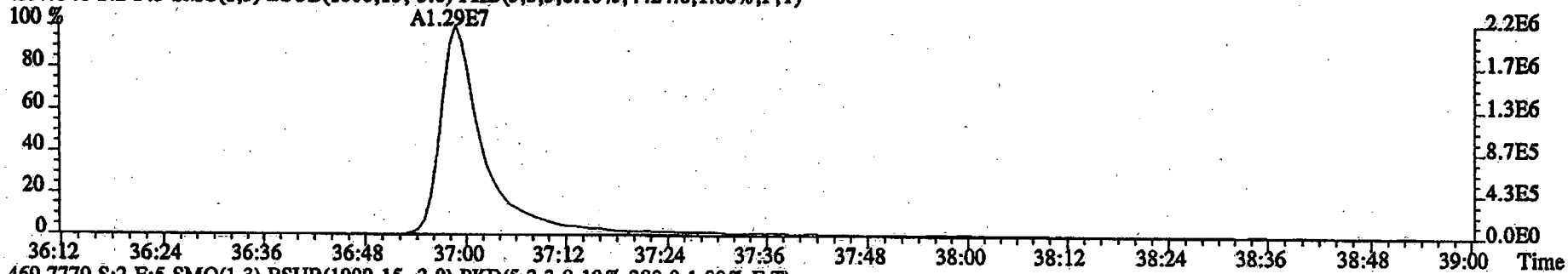
U855

File:23MR059D5 #1-228 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

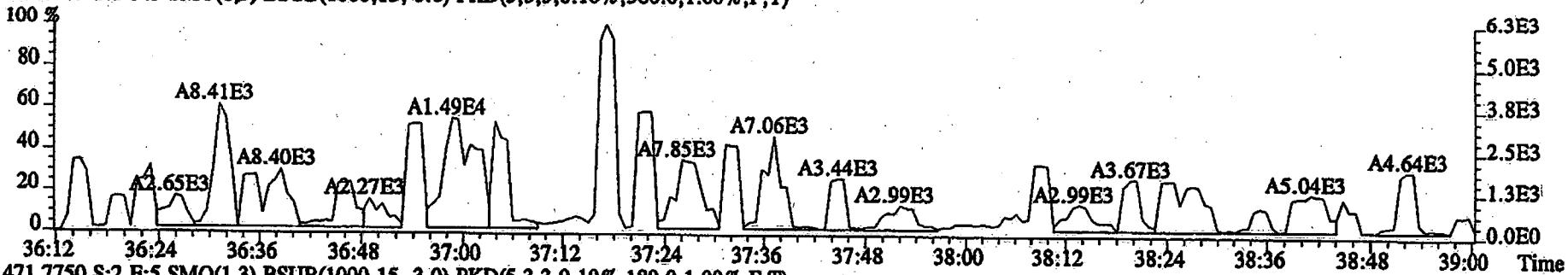
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3388.0,1.00%,F,T)



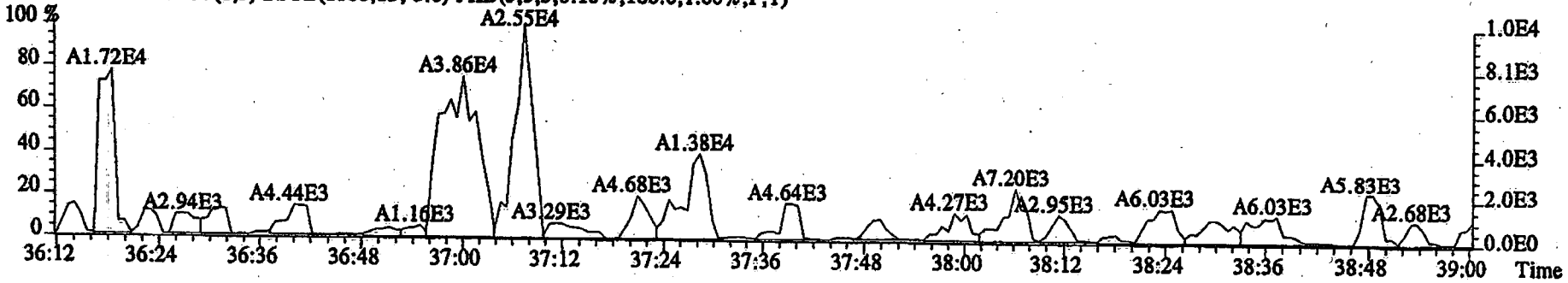
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4424.0,1.00%,F,T)



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,380.0,1.00%,F,T)

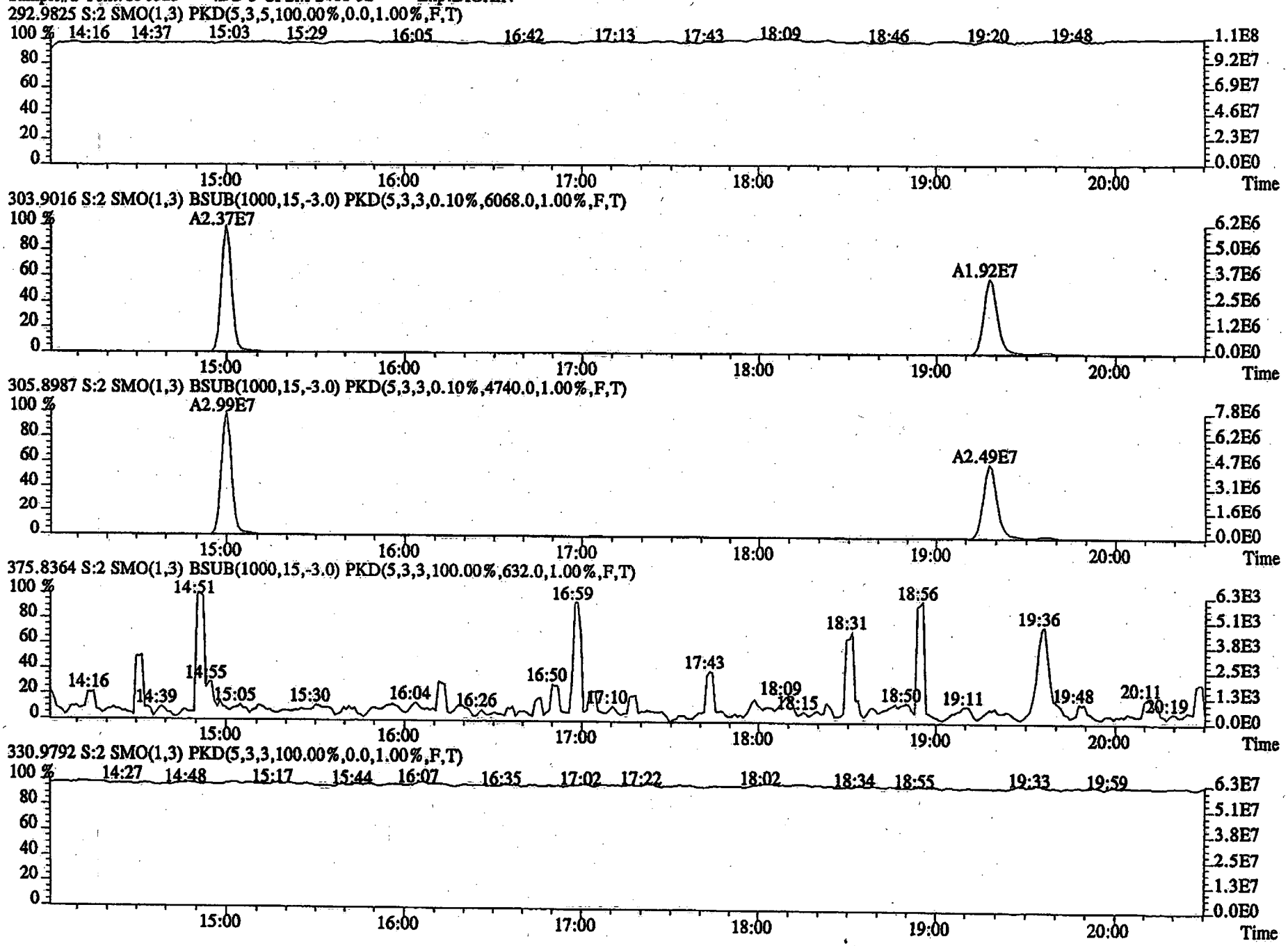


471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



1012
STL Edison
U855

File:23MR059D5 #1-404 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN



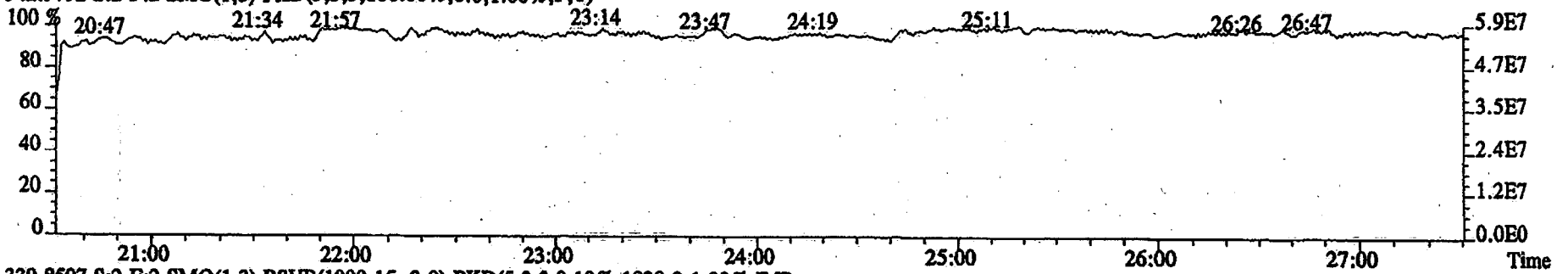
1013

STL Edison

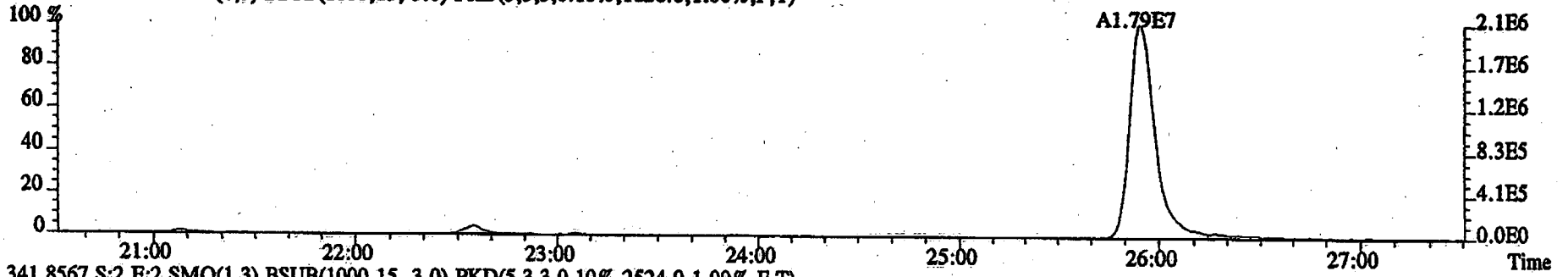
U855

File:23MR059D5 #1-557 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

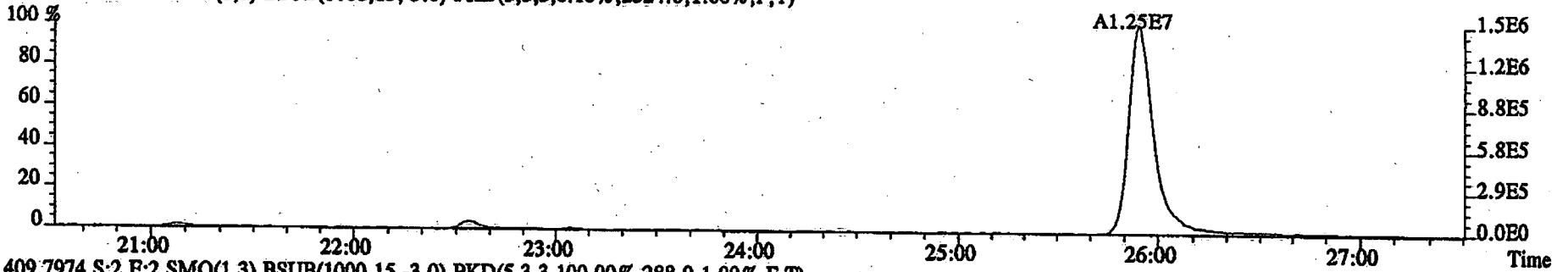
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



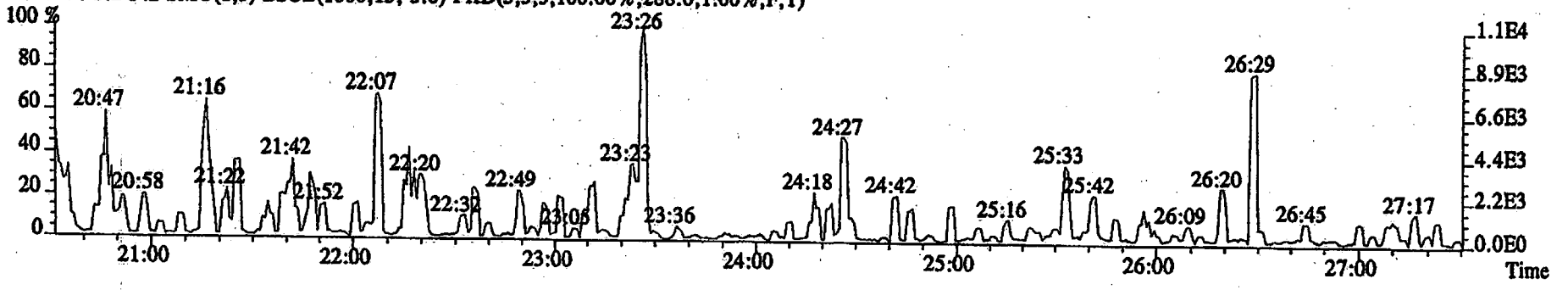
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)



409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,288.0,1.00%,F,T)

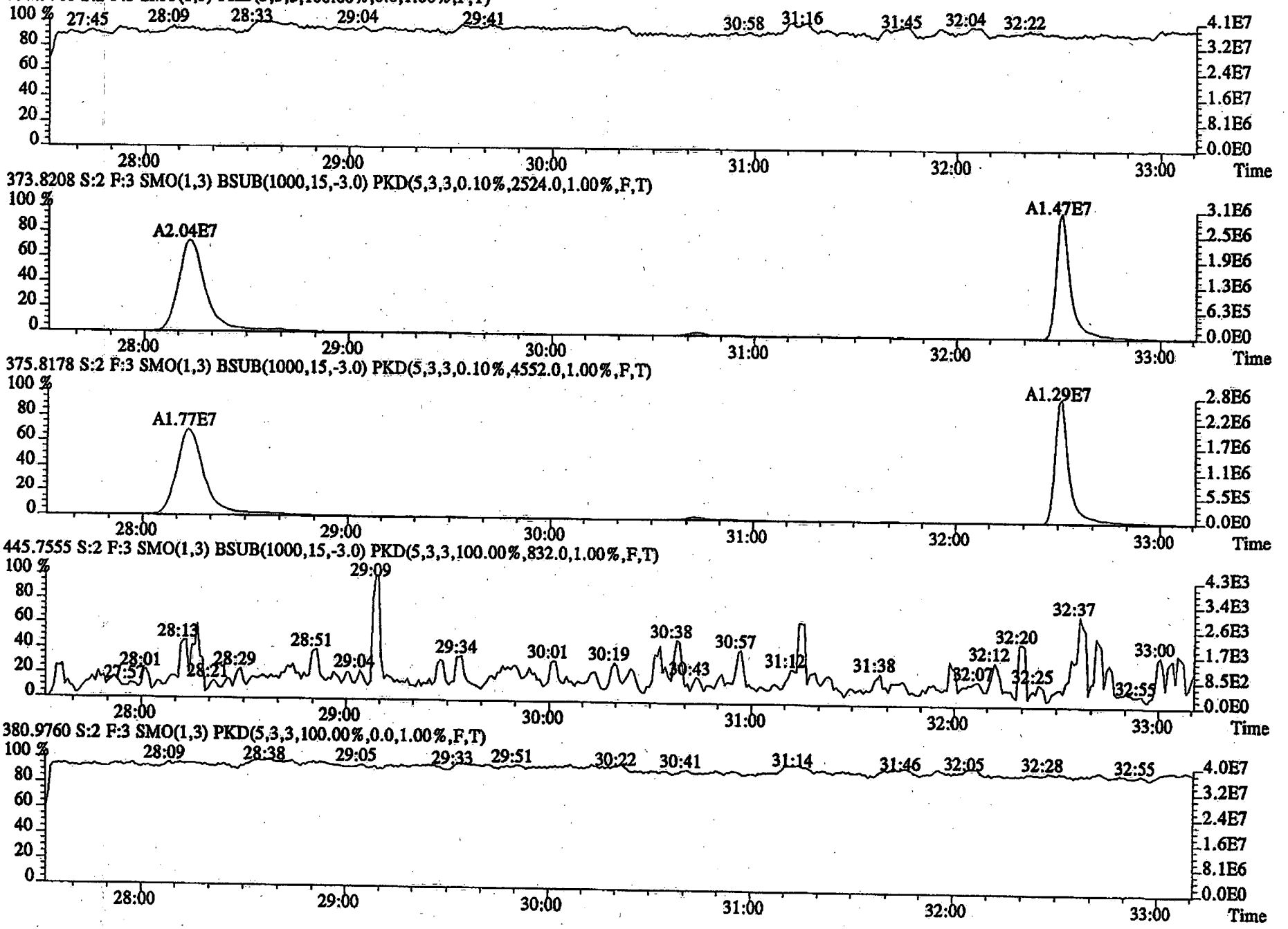


1014

STL Edison

U855

File:23MR059D5 #1-428 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

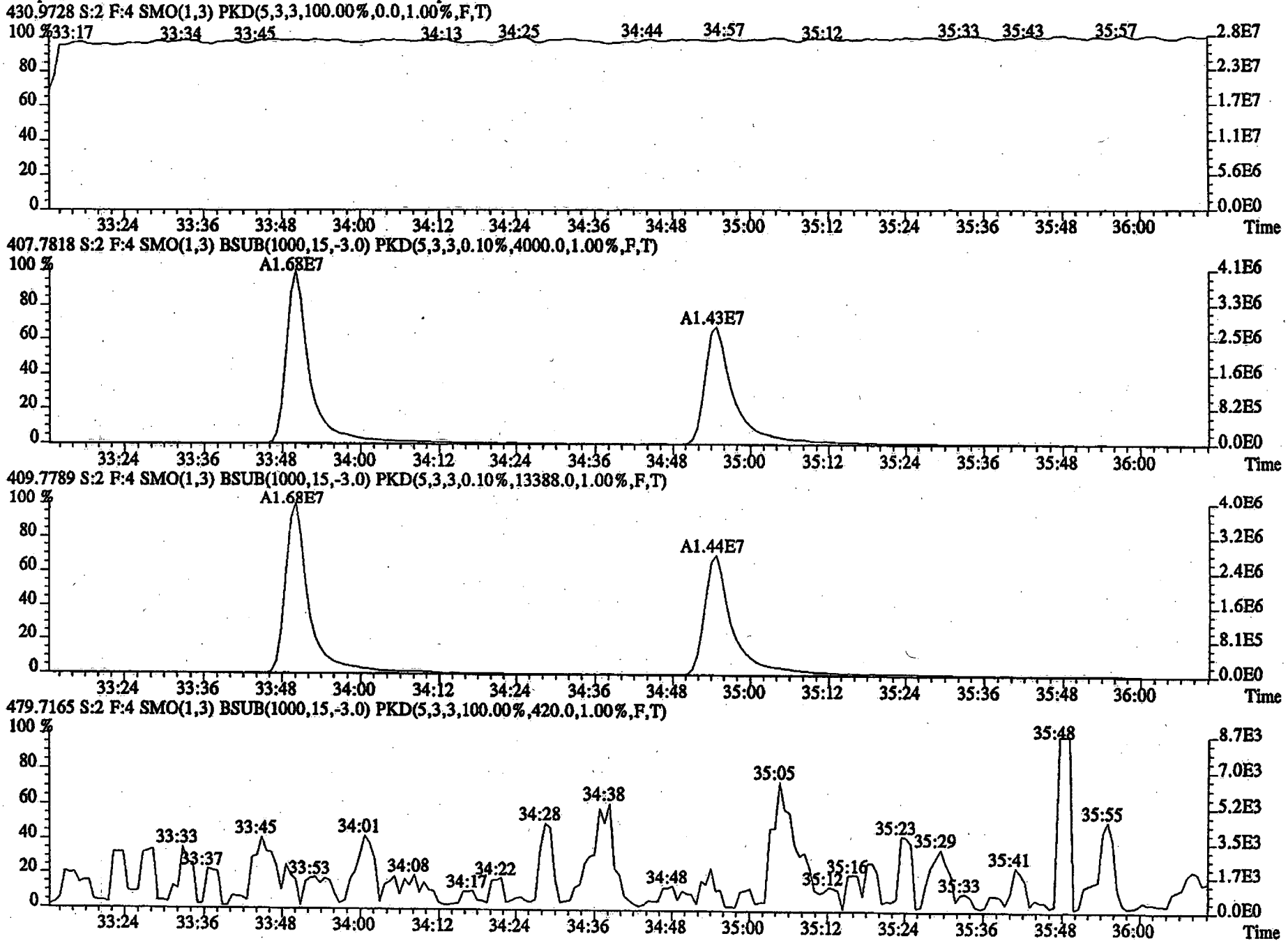


1015

STL Edison

U855

File:23MR059D5 #1-237 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN

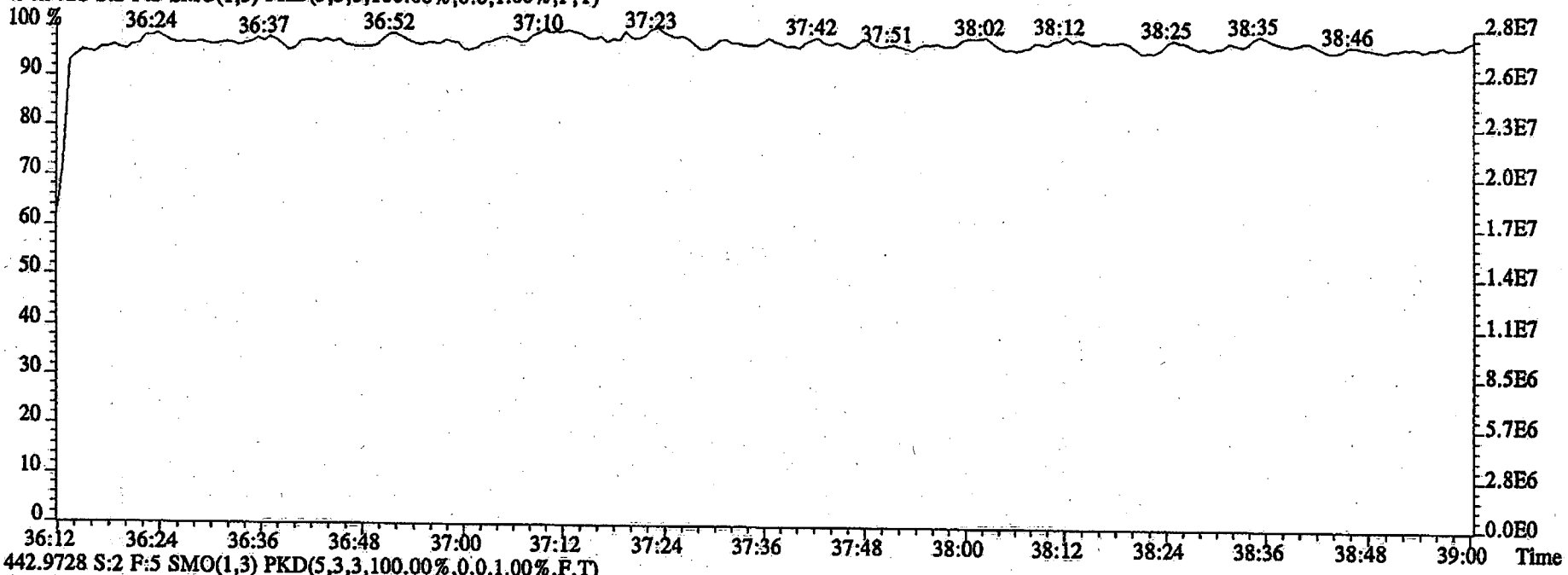


1016

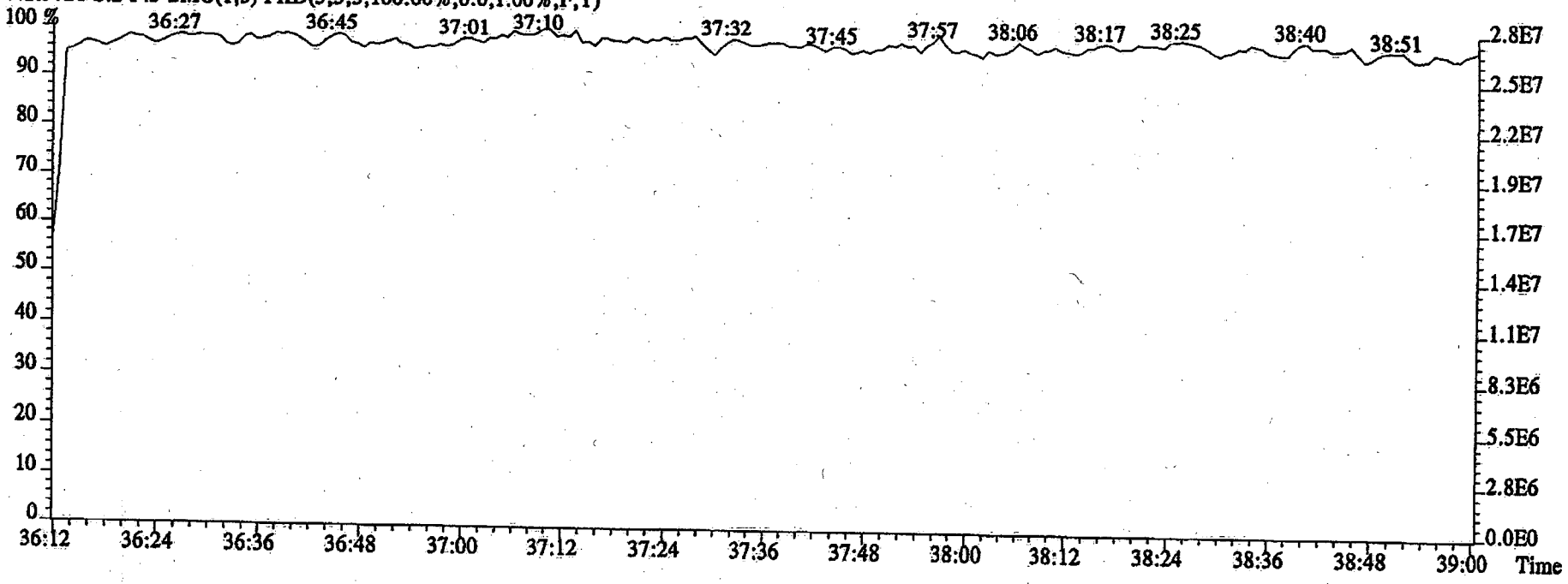
STL Edison

U855

File:23MR059D5 #1-228 Acq:23-MAR-2005 17:00:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0323 :DB-5 CPSM 2416-32 Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



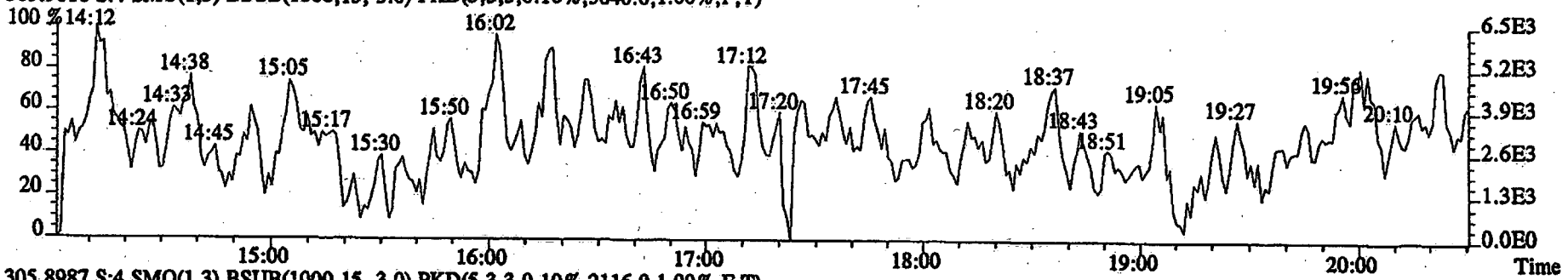
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



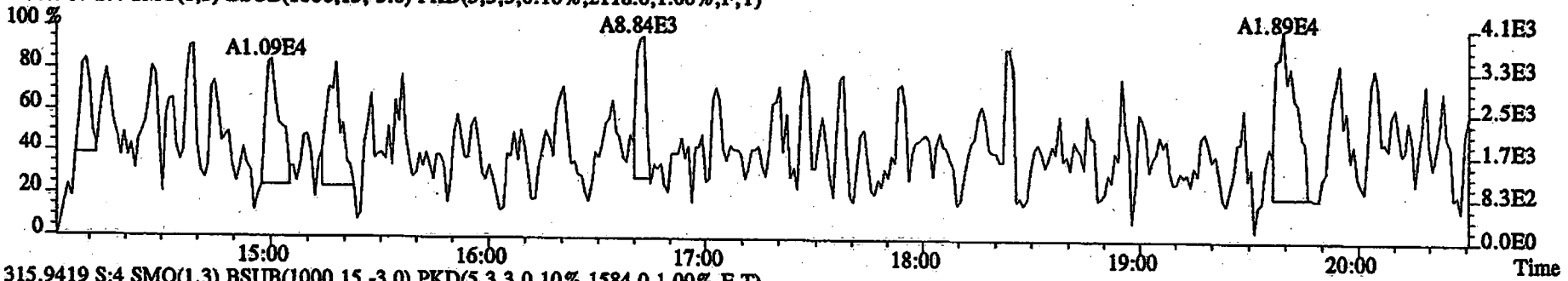
1017
STL Edison
U855

File:23MR059D5 #1-404 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

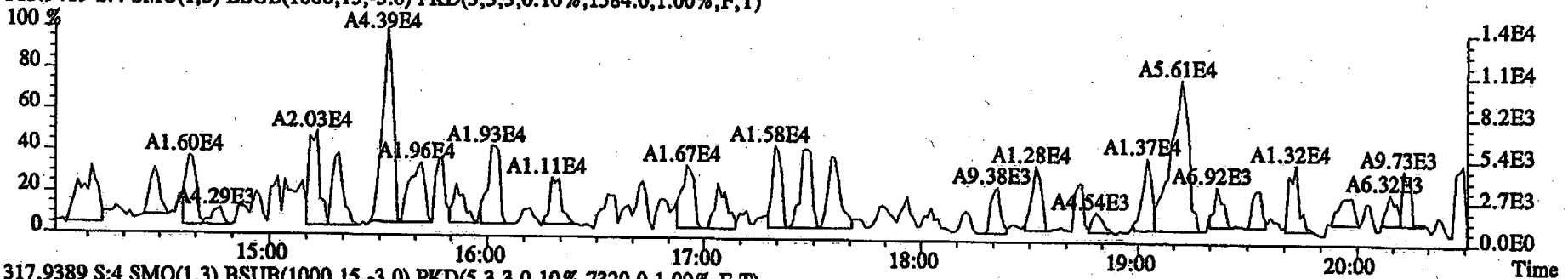
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840.0,1.00%,F,T)



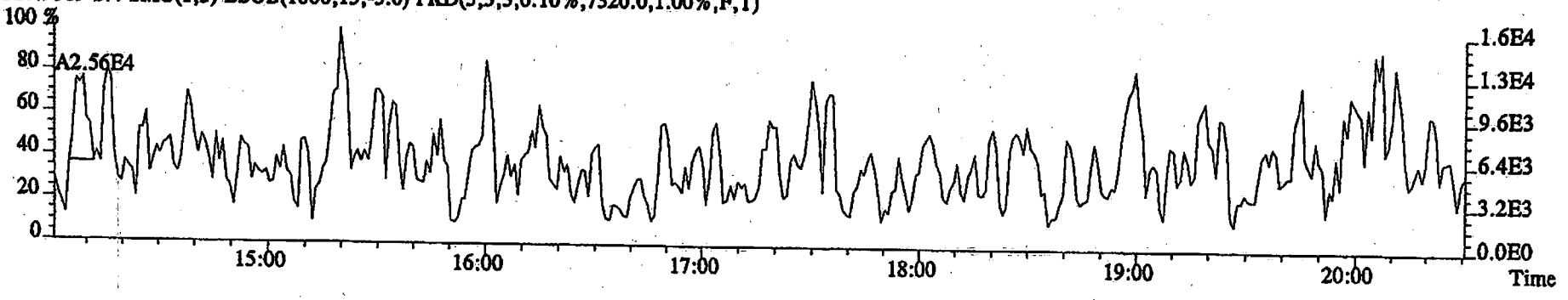
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2116.0,1.00%,F,T)



315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)



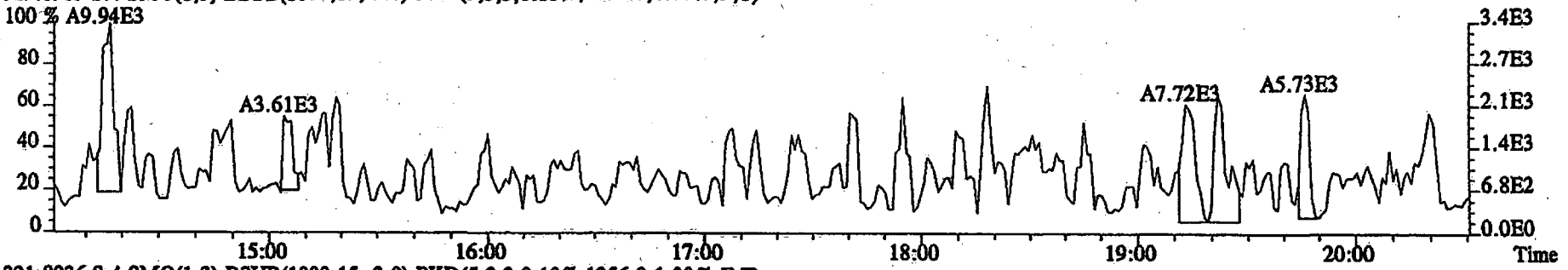
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



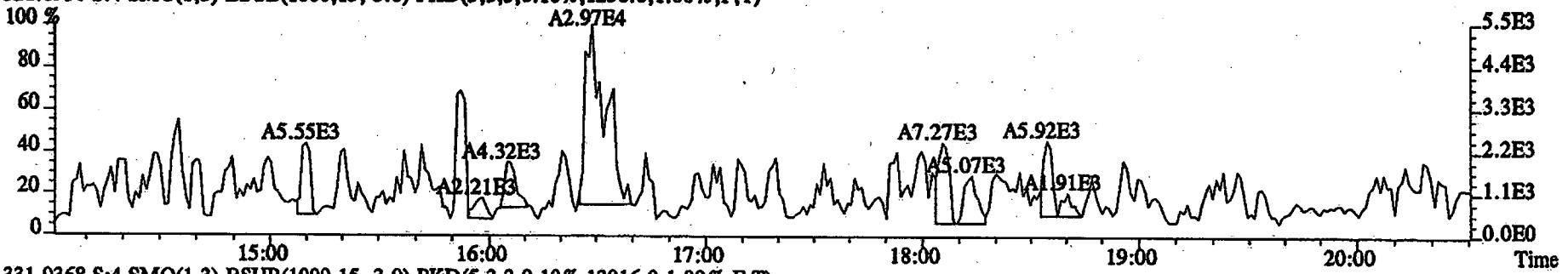
1018
STL Edison
U855

File:23MR059D5 #1-404 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

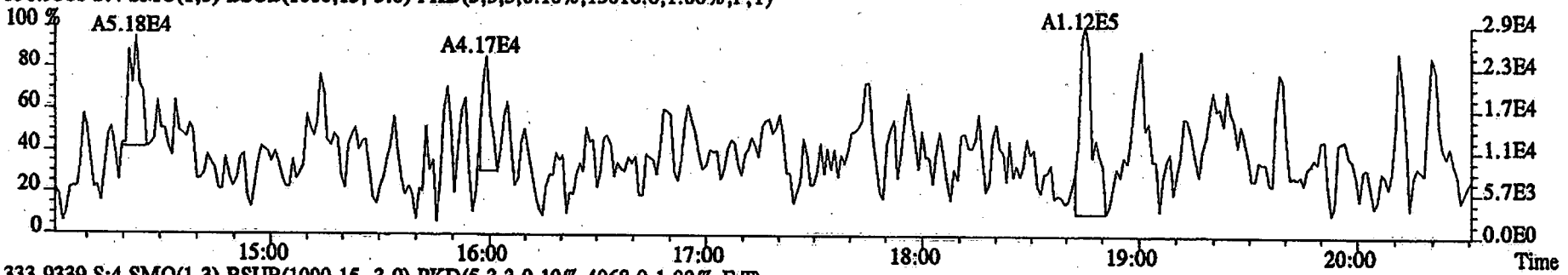
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1052.0,1.00%,F,T)



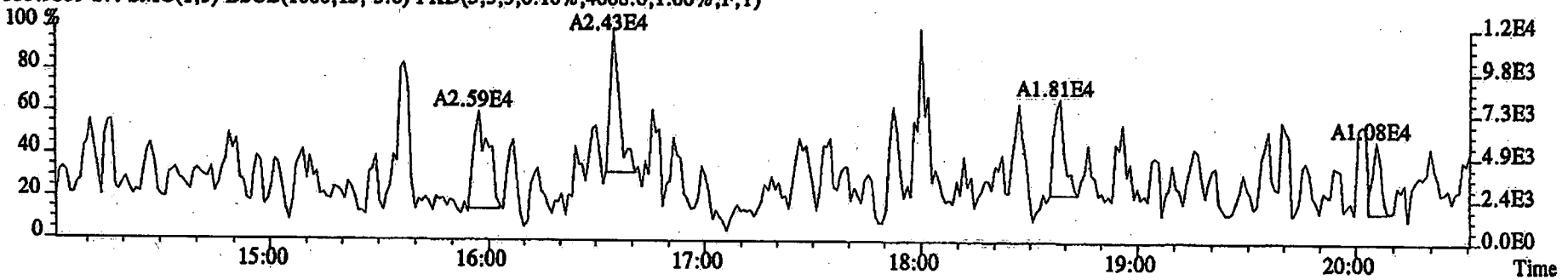
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1256.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13016.0,1.00%,F,T)



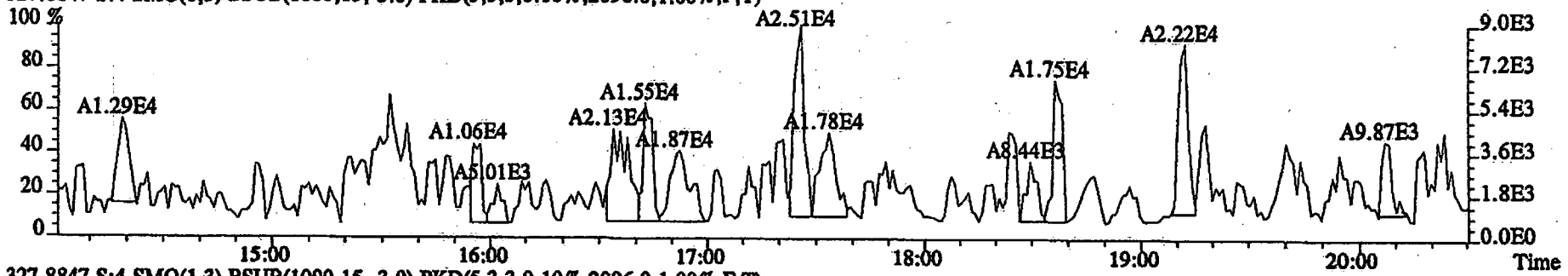
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4068.0,1.00%,F,T)



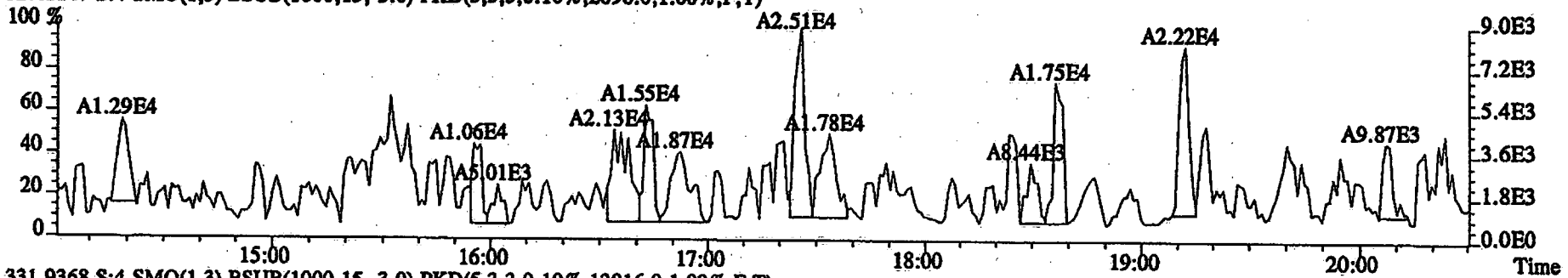
1019
STL Edison
U855

File:23MR059D5 #1-404 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

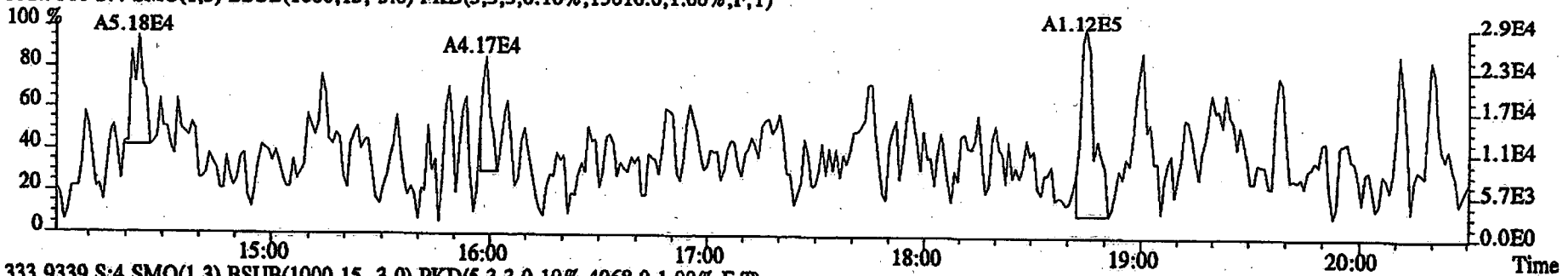
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



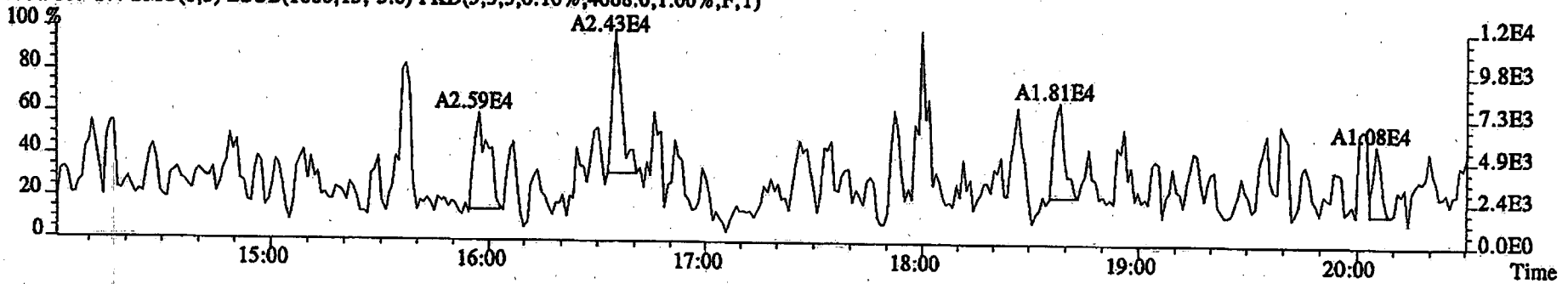
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13016.0,1.00%,F,T)



333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4068.0,1.00%,F,T)



1020

STL Edison

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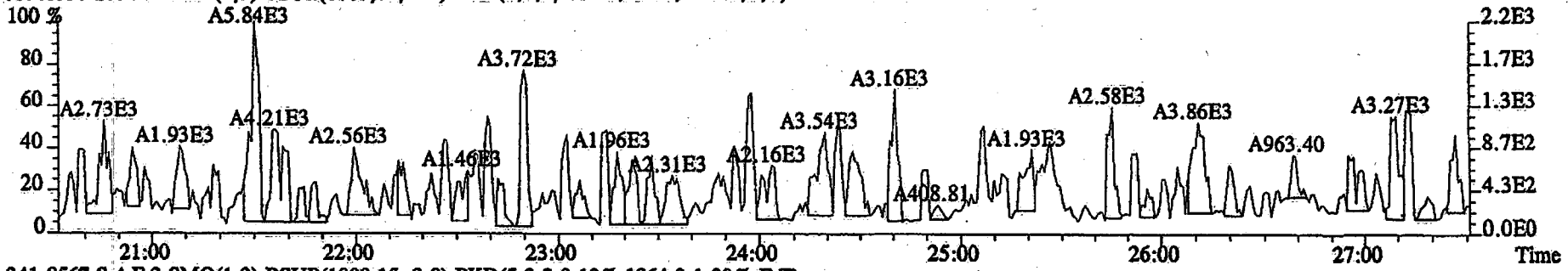
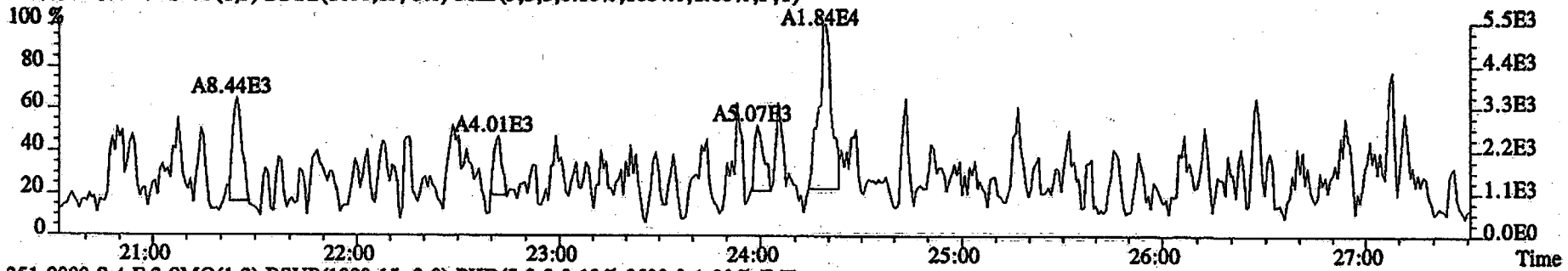
File:23MR059D5 #1-557 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

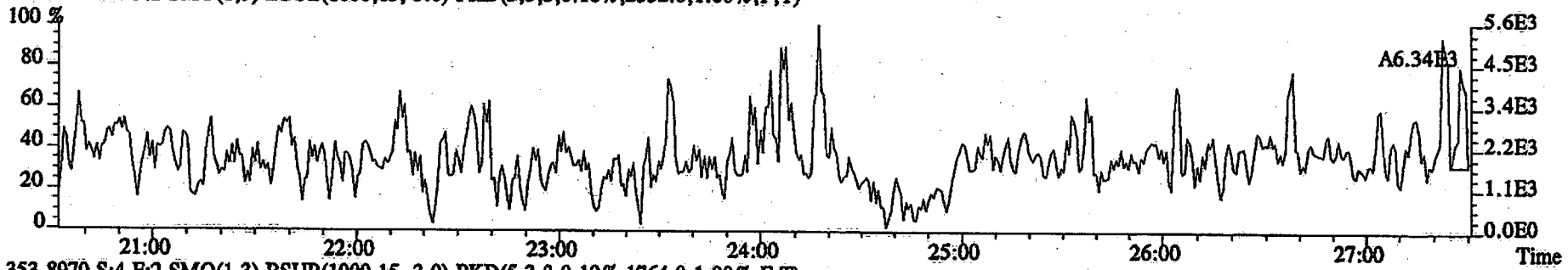
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,328.0,1.00%,F,T)



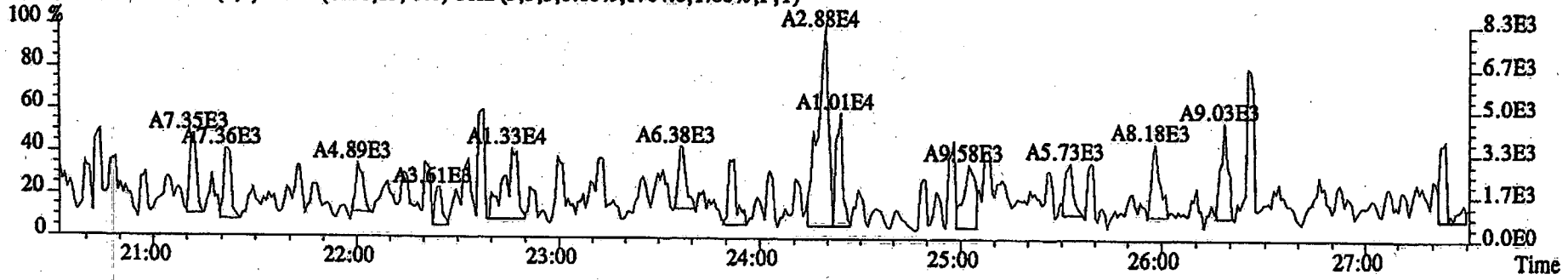
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2532.0,1.00%,F,T)



353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1764.0,1.00%,F,T)



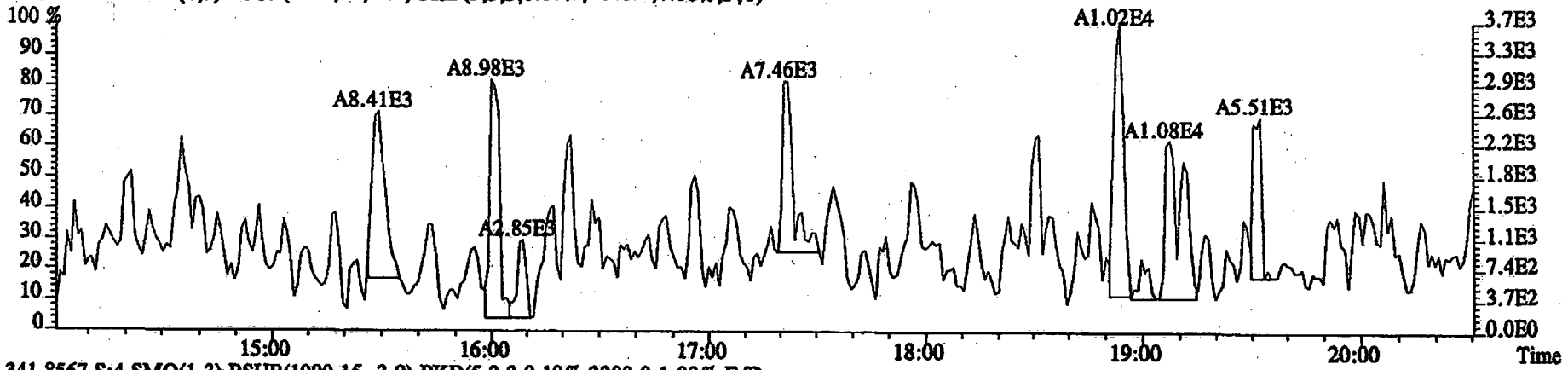
1021

STL Edison

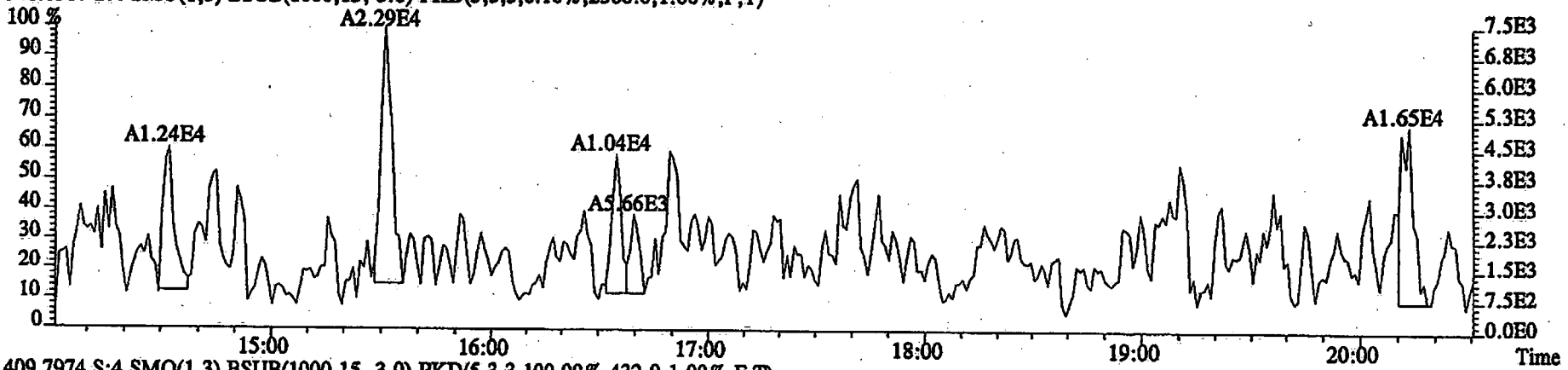
U855

File:23MR059D5 #1-404 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

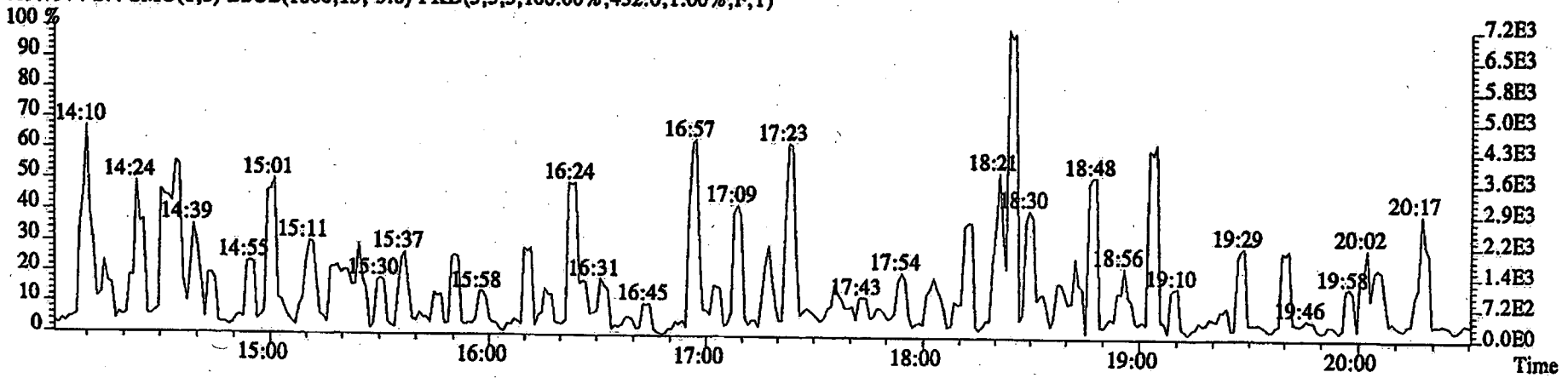
339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)



341.8567 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2300.0,1.00%,F,T)



409.7974 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,432.0,1.00%,F,T)



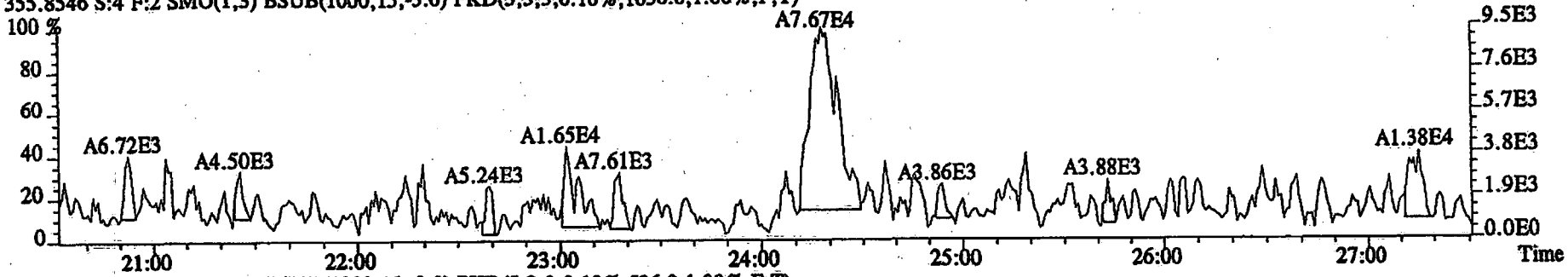
1022

STL Edison

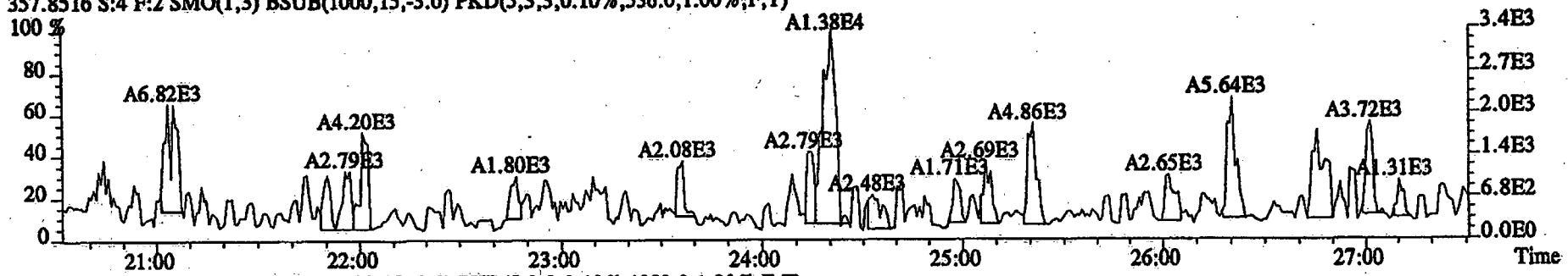
U855

File:23MR059D5 #1-557 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

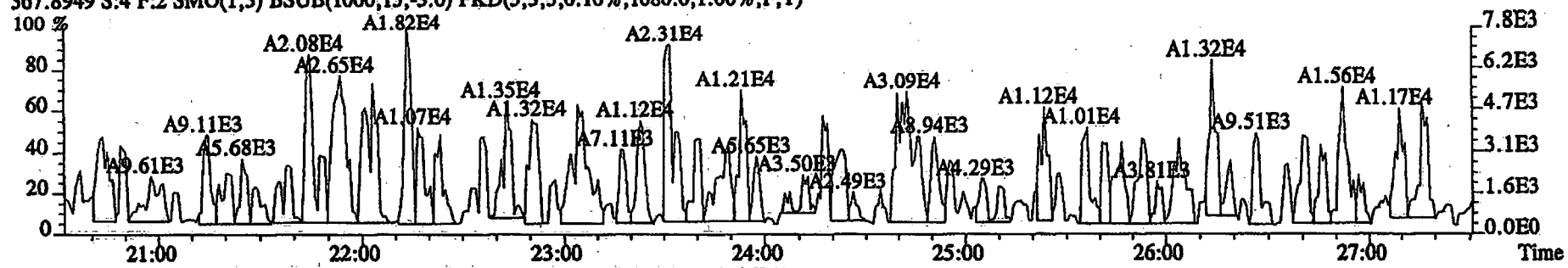
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



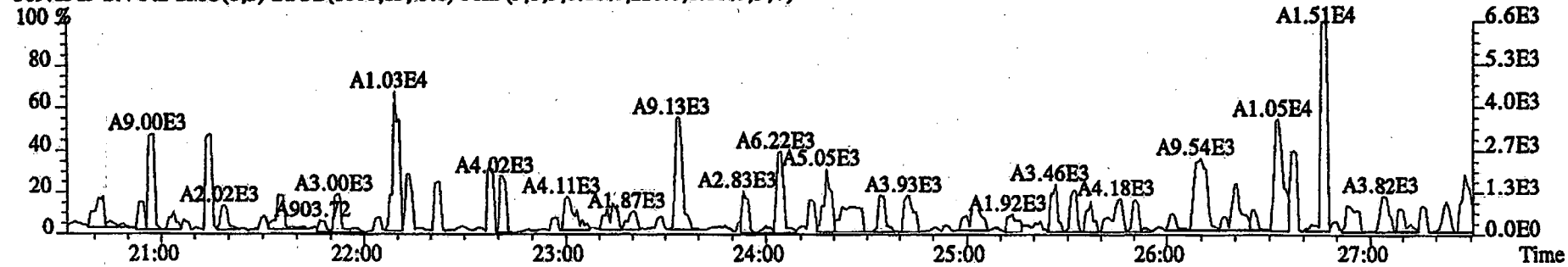
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,536.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1080.0,1.00%,F,T)



369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)



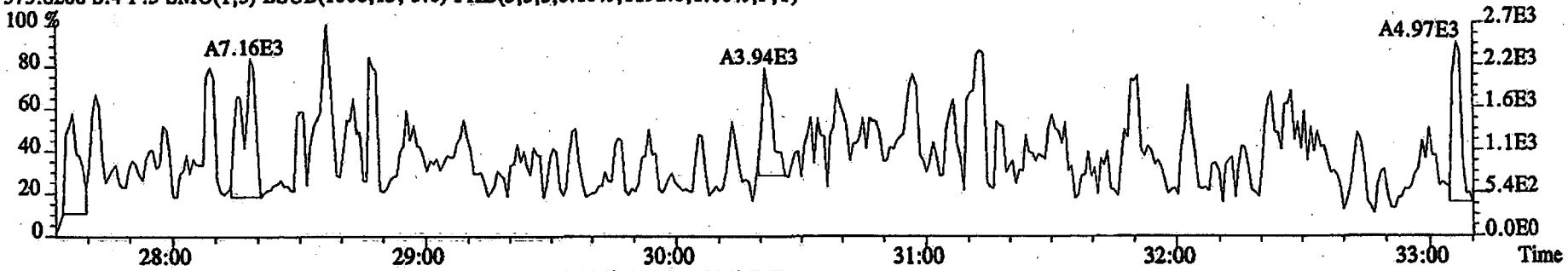
1023

STL Edison

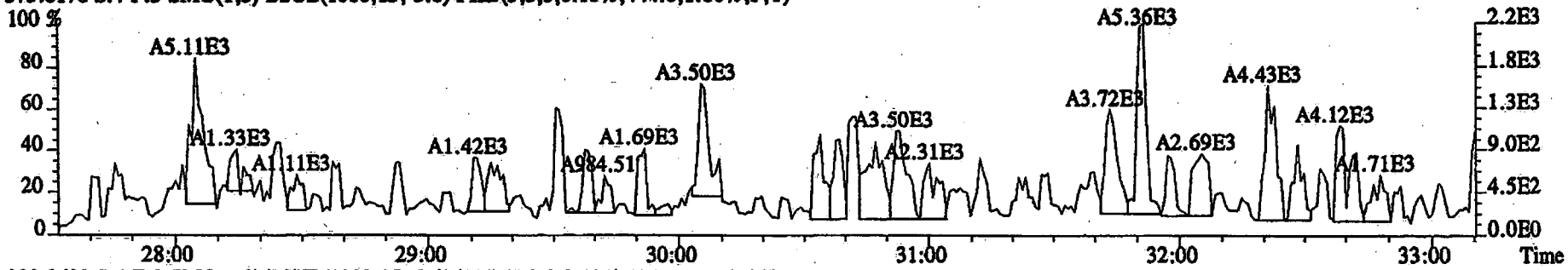
U855

File:23MR059D5 #1-427 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

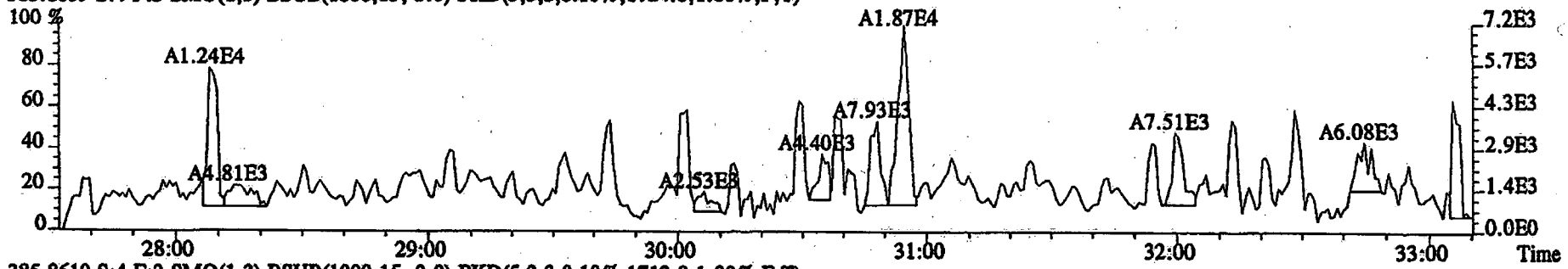
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



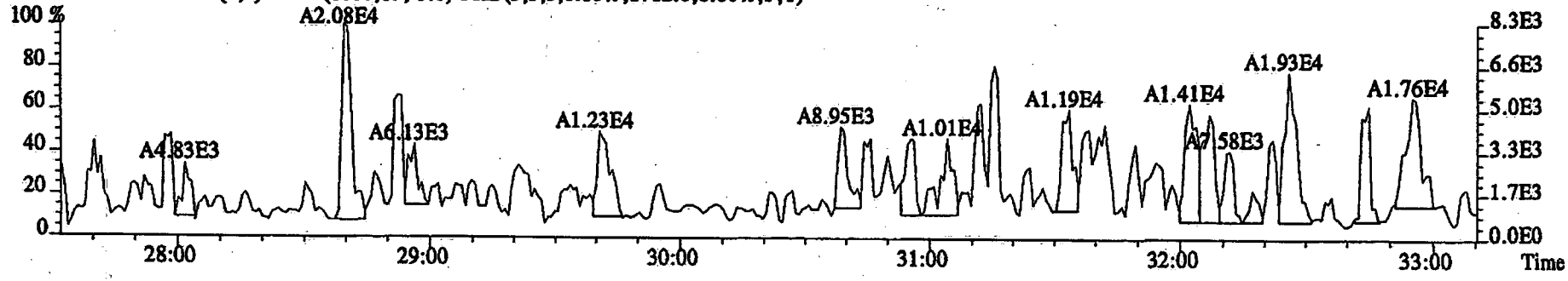
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,444.0,1.00%,F,T)



383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)



385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1712.0,1.00%,F,T)



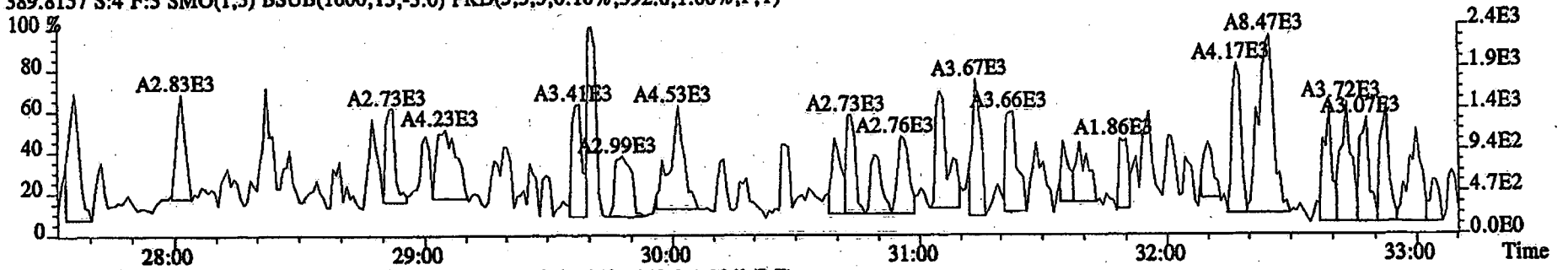
1024

STL Edison

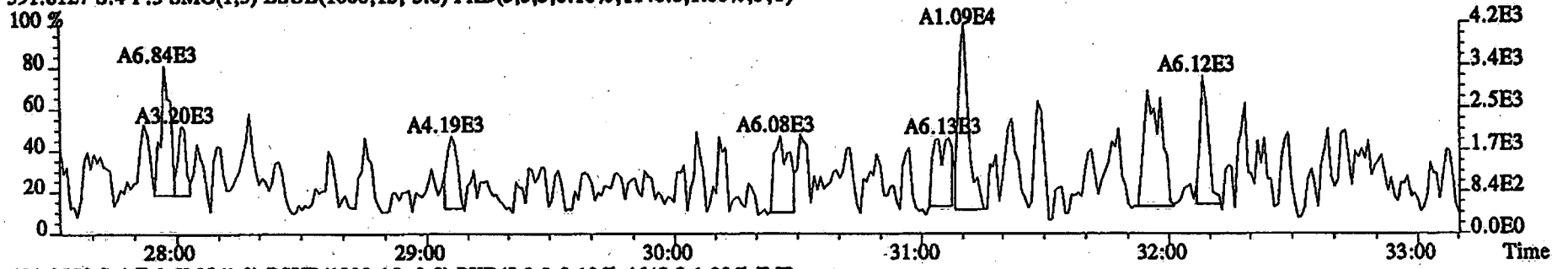
U855

File:23MR059D5 #1-427 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

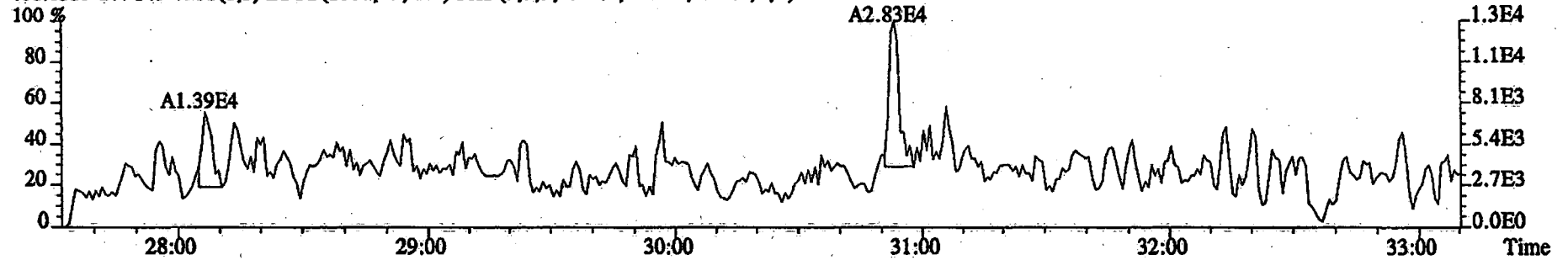
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,592.0,1.00%,F,T)



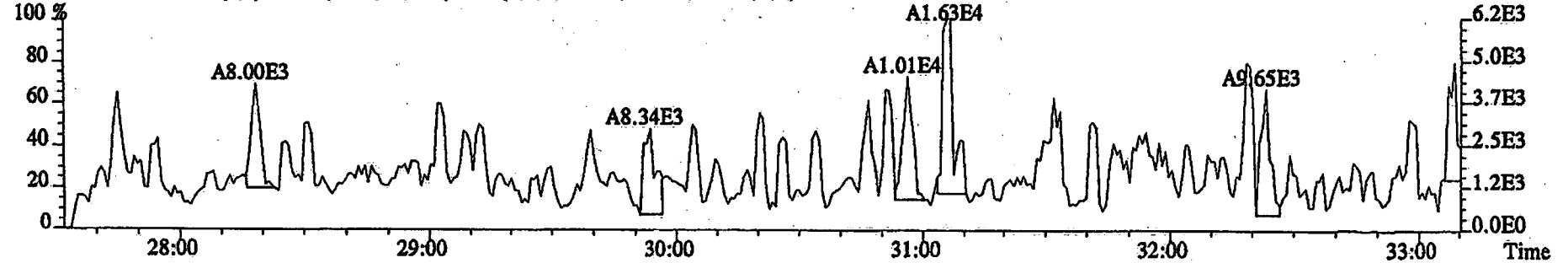
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1140.0,1.00%,F,T)



401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4648.0,1.00%,F,T)



403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



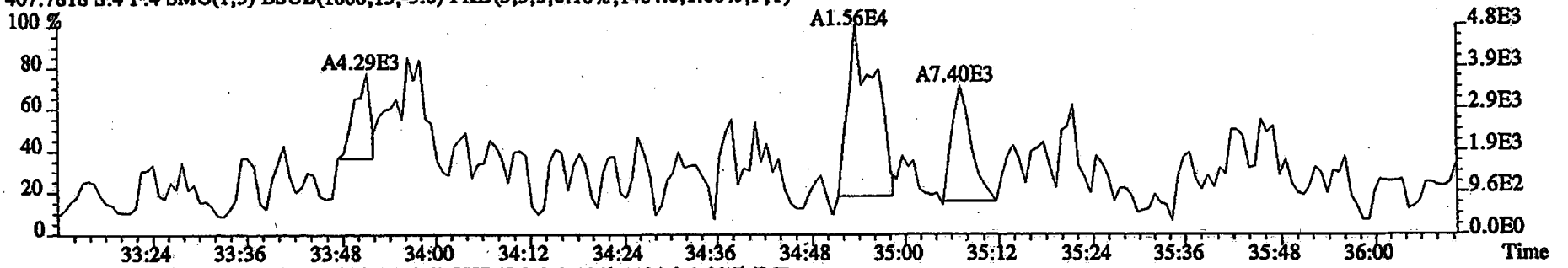
1025

STL Edison

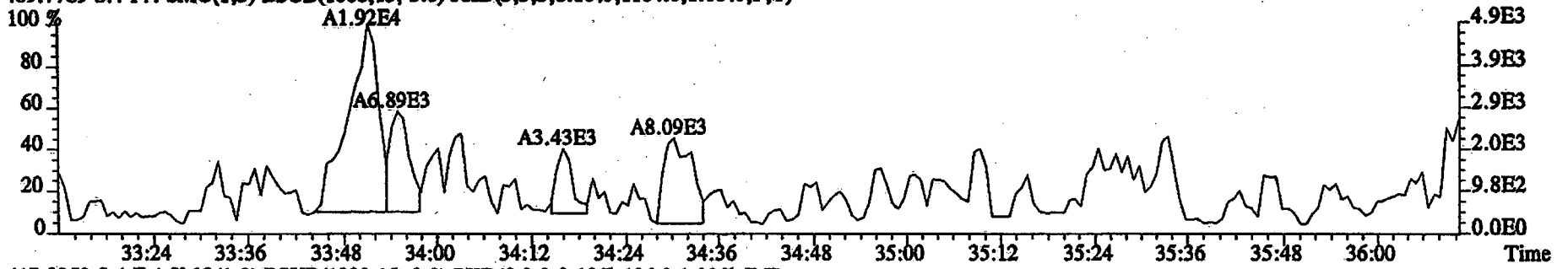
U855

File:23MR059D5 #1-238 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

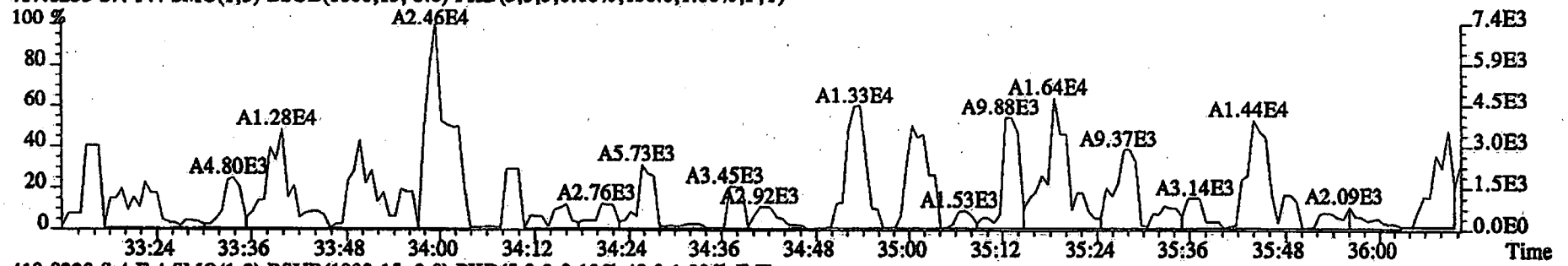
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1484.0,1.00%,F,T)



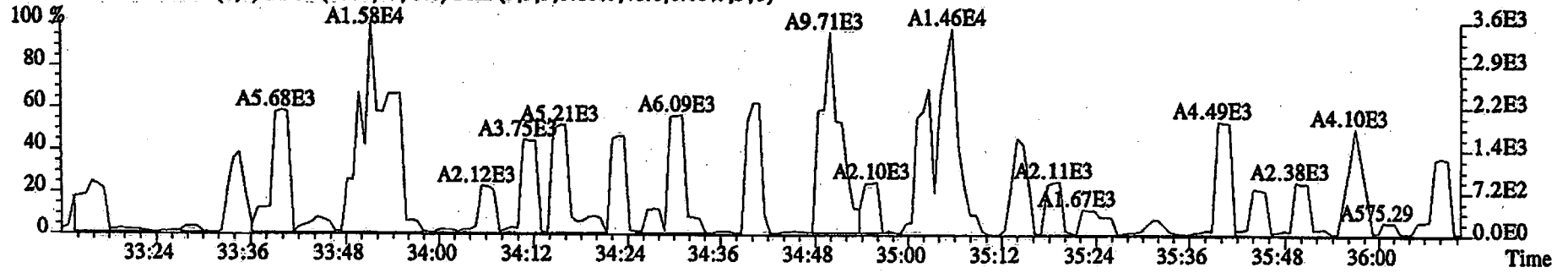
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



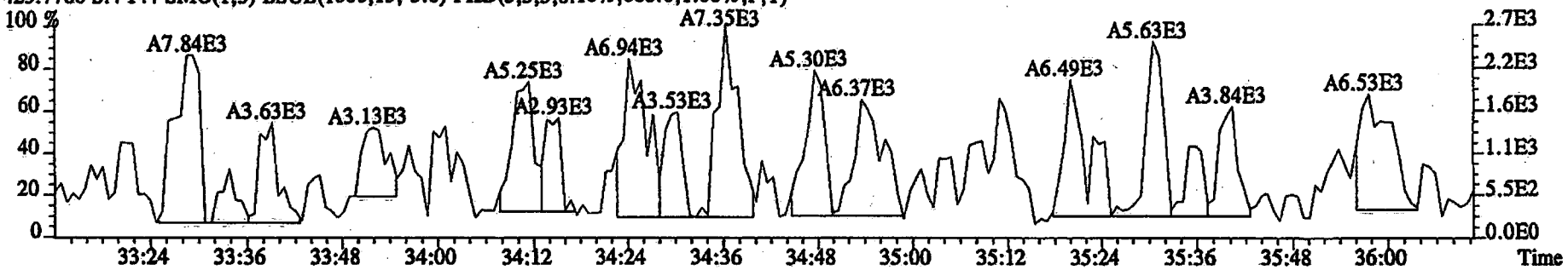
1026

STL Edison

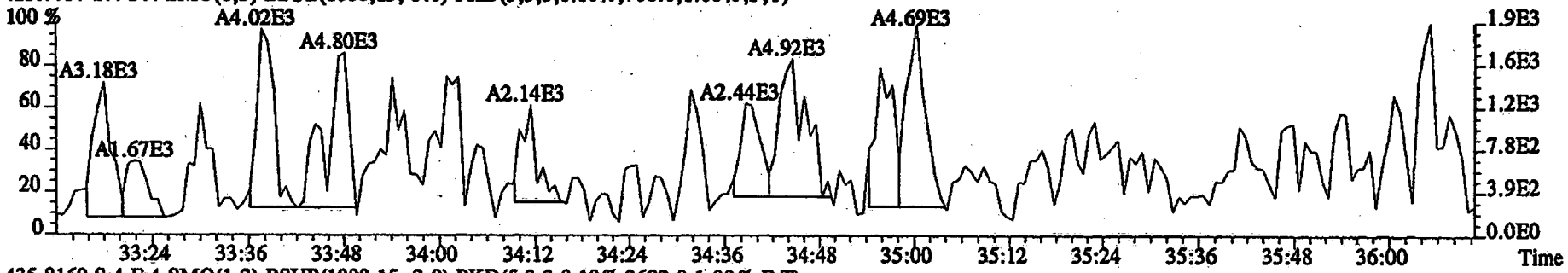
U855

File:23MR059D5 #1-238 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

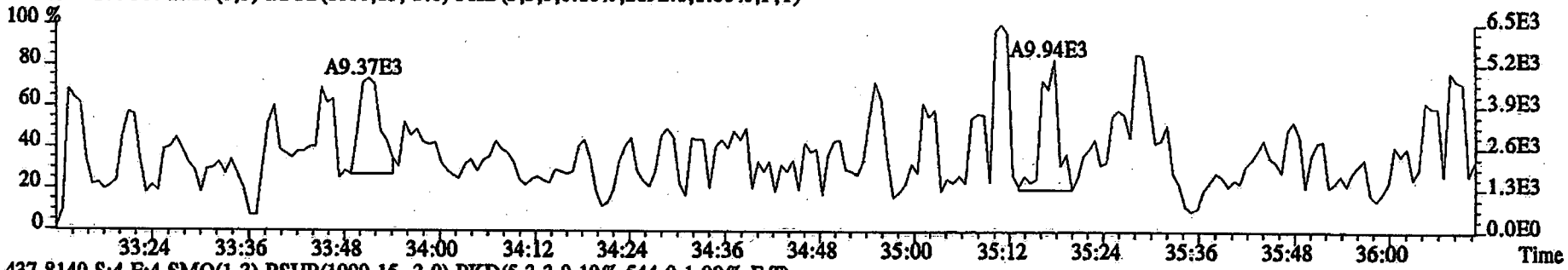
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,688.0,1.00%,F,T)



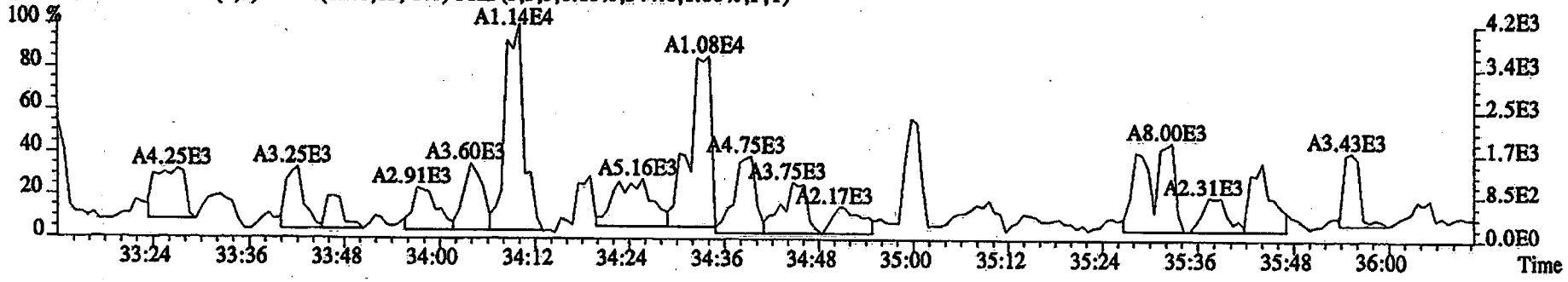
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)



435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)



437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,544.0,1.00%,F,T)



1027
STL Edison
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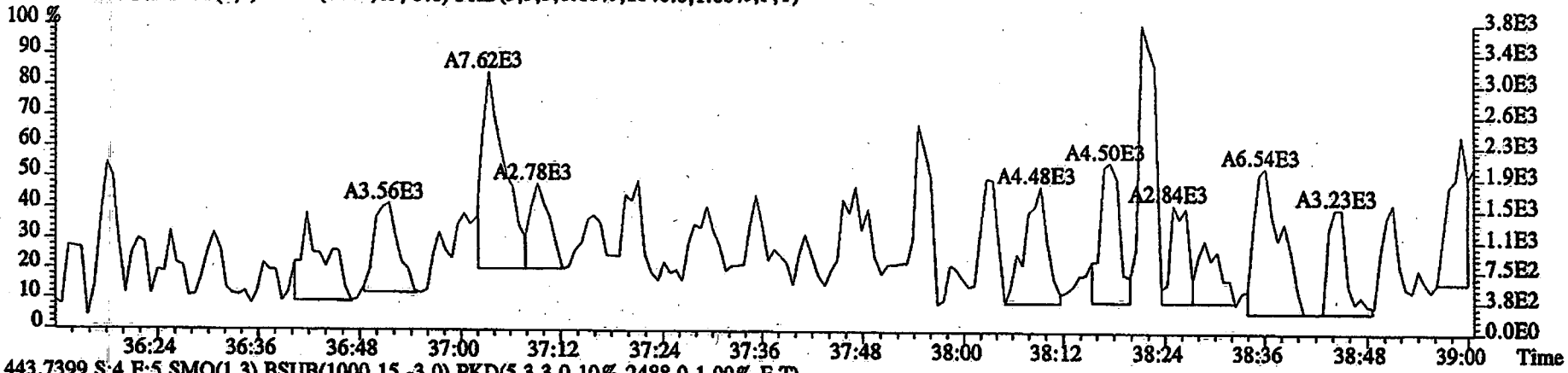
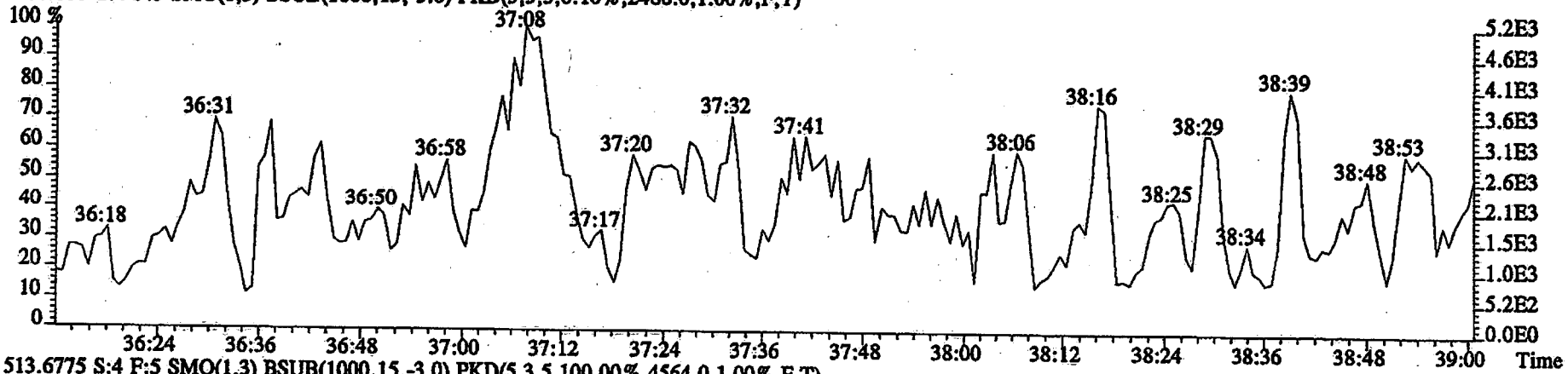
File:23MR059D5 #1-228 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

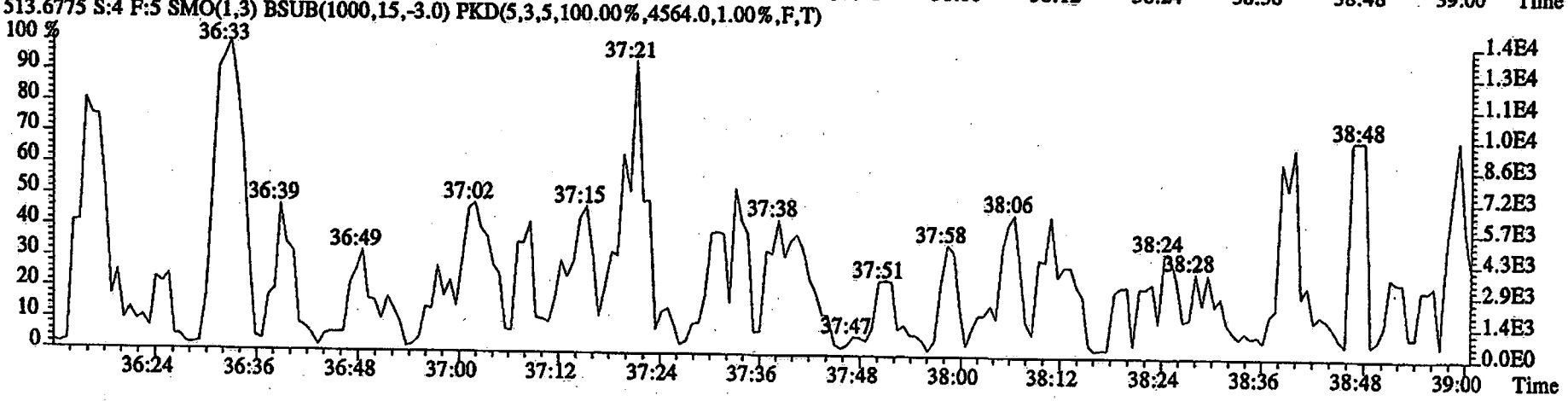
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2488.0,1.00%,F,T)



513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,4564.0,1.00%,F,T)



1028

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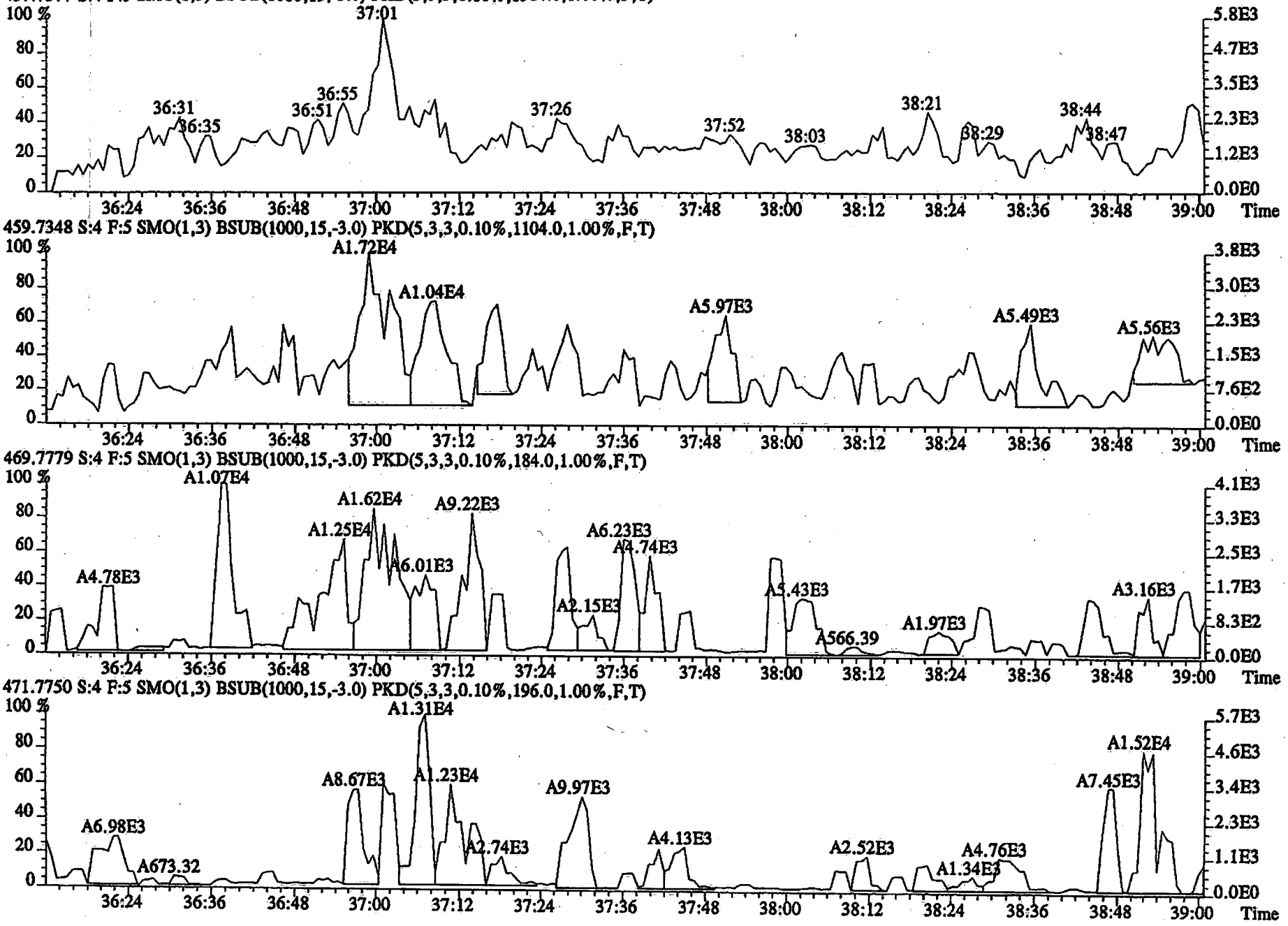
File:23MR059D5 #1-228 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN



1029

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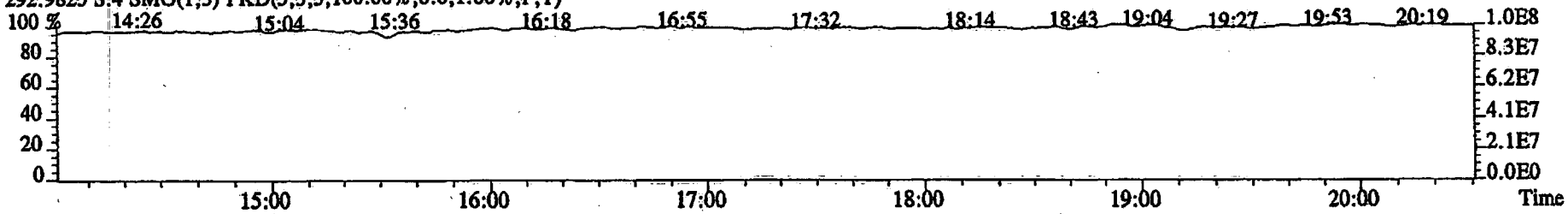
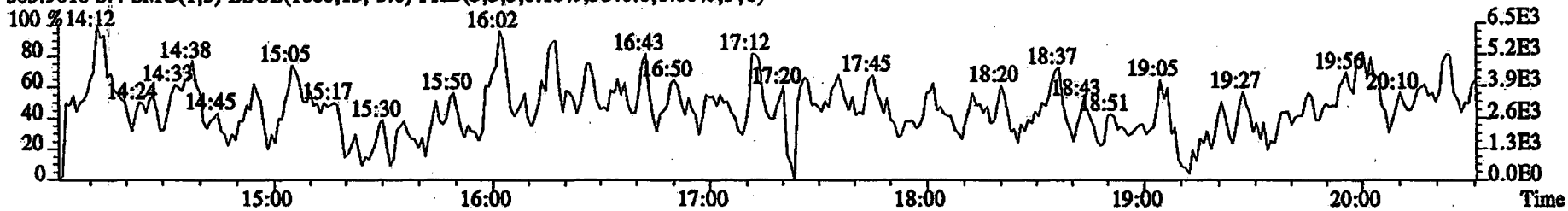
File:23MR059D5 #1-404 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

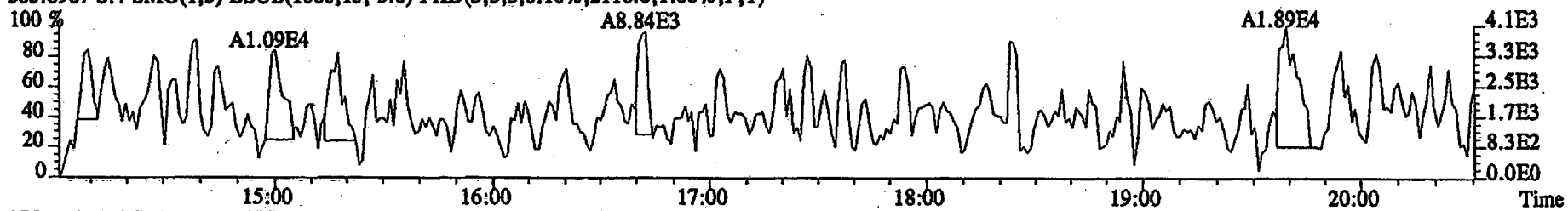
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



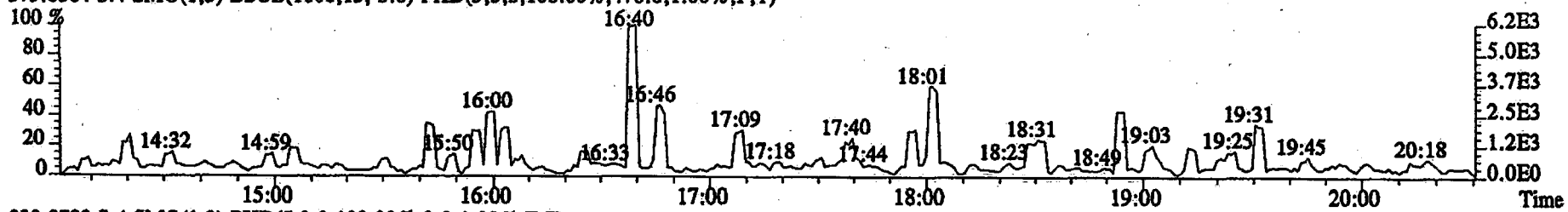
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840.0,1.00%,F,T)



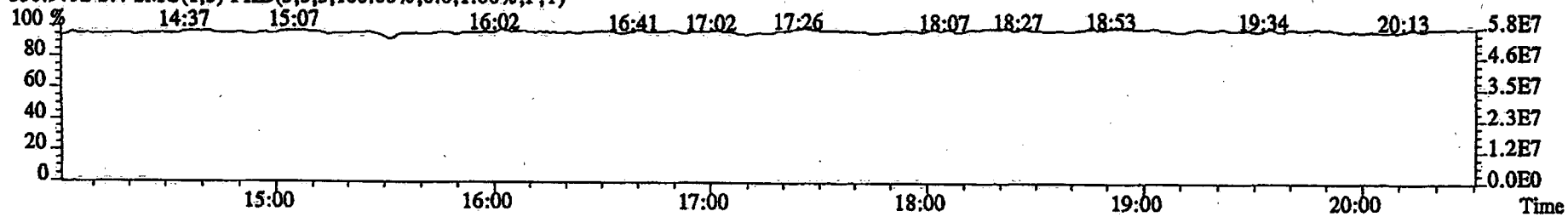
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2116.0,1.00%,F,T)



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,476.0,1.00%,F,T)



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1030

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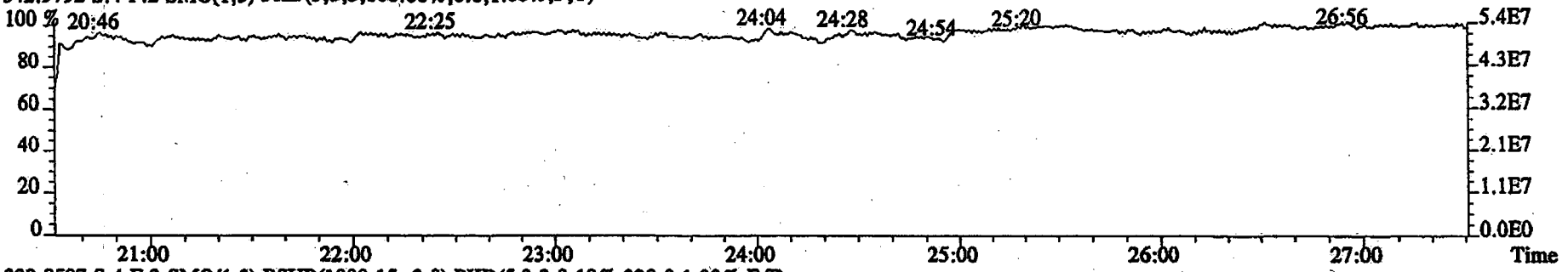
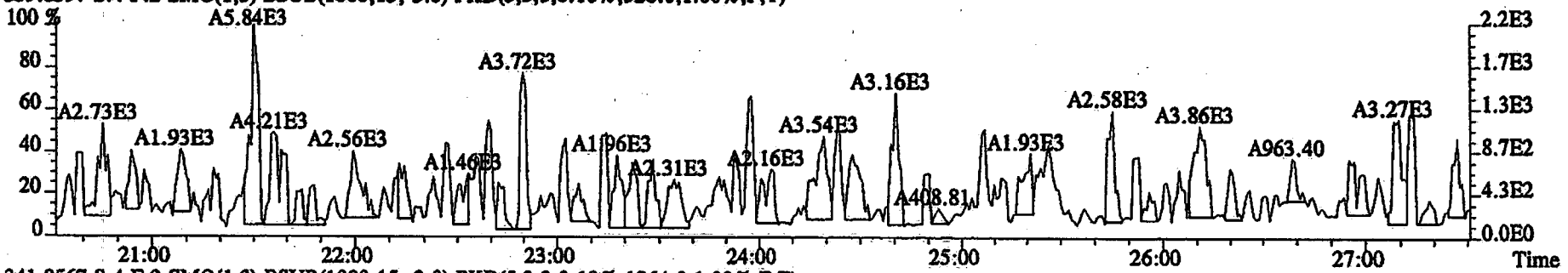
File:23MR059D5 #1-557 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

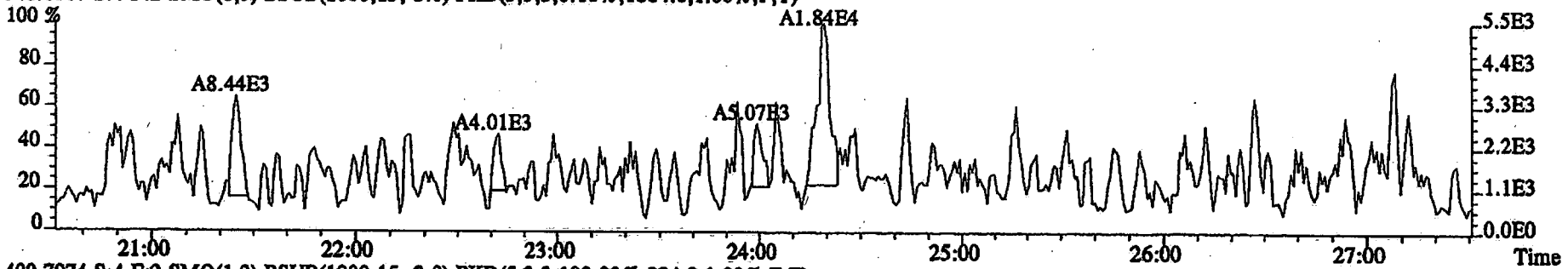
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



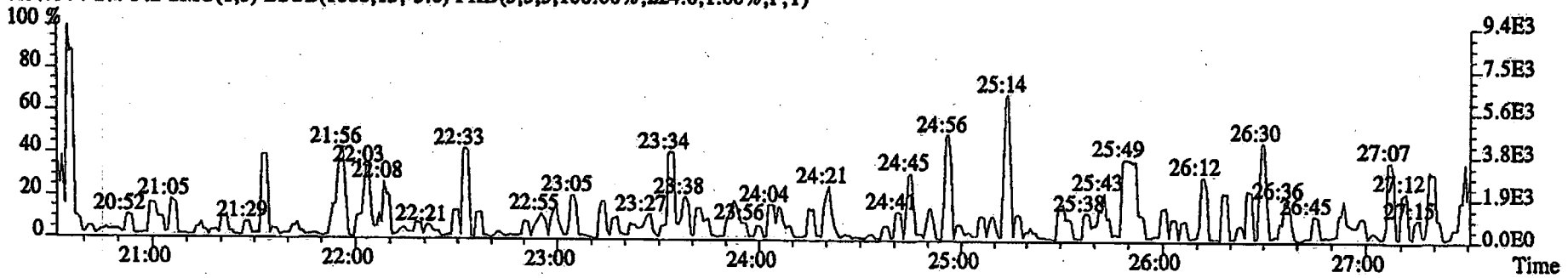
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,328.0,1.00%,F,T)



341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,224.0,1.00%,F,T)



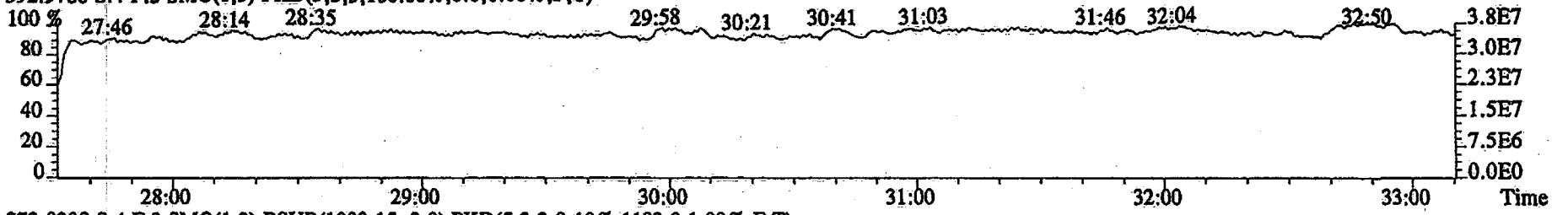
1031

STL Edison

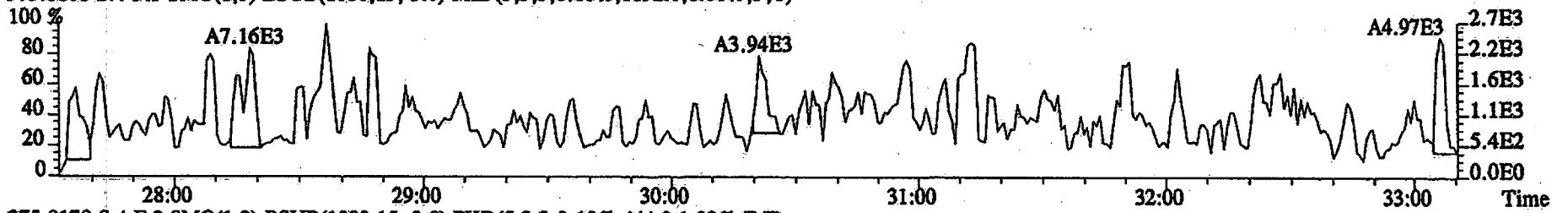
U855

File:23MR059D5 #1-427 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN

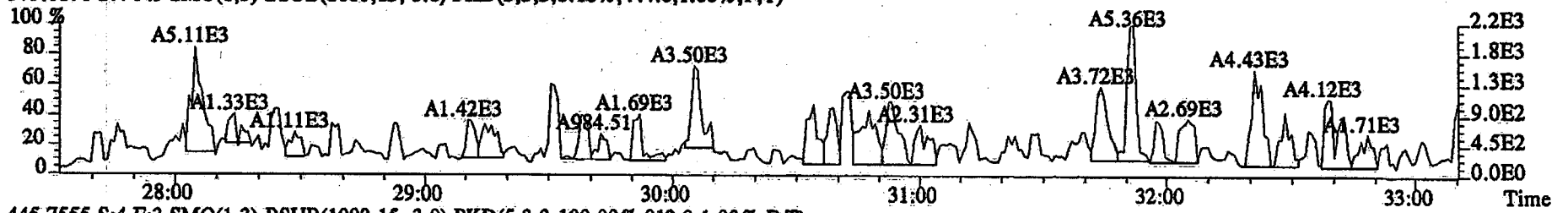
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



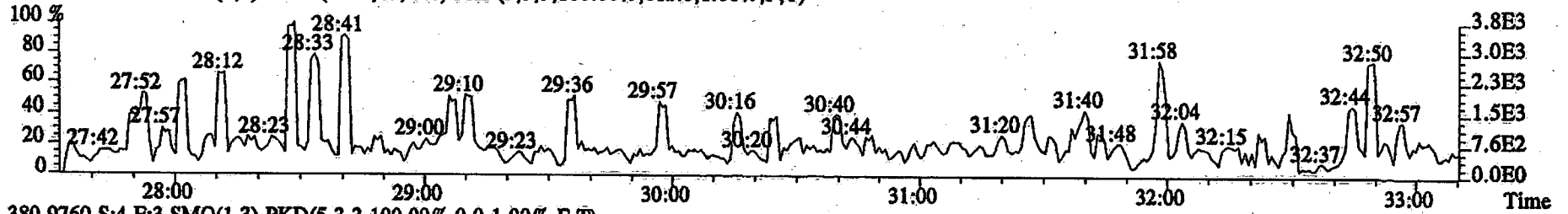
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



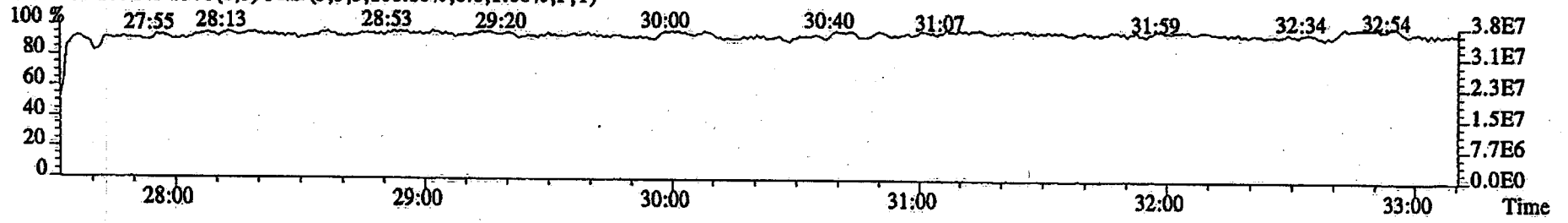
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,444.0,1.00%,F,T)



445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,812.0,1.00%,F,T)



380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1032

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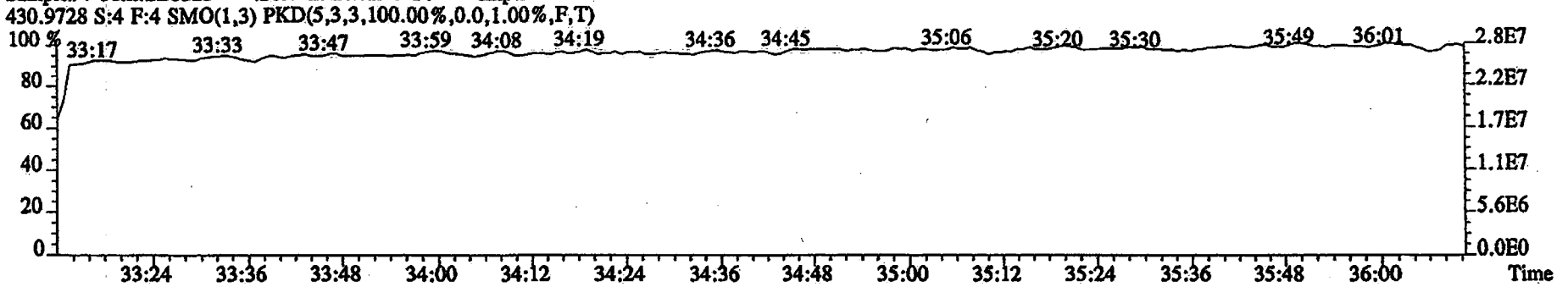
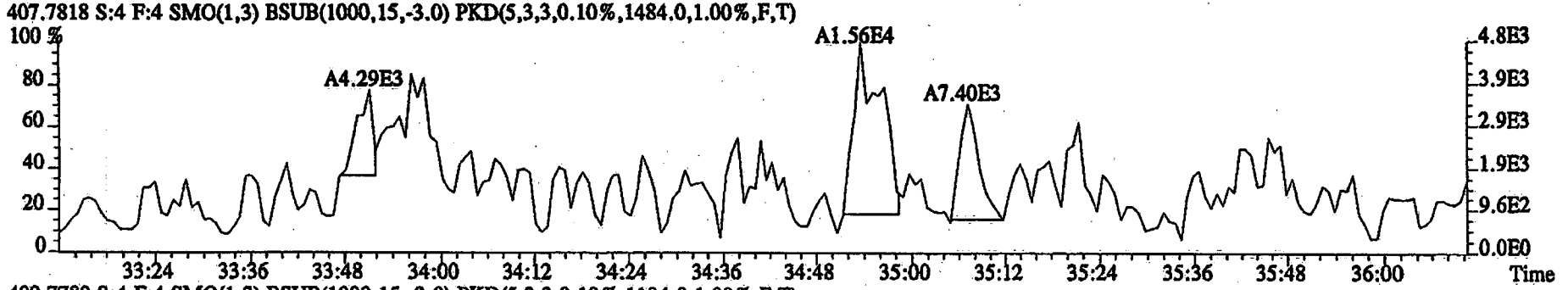
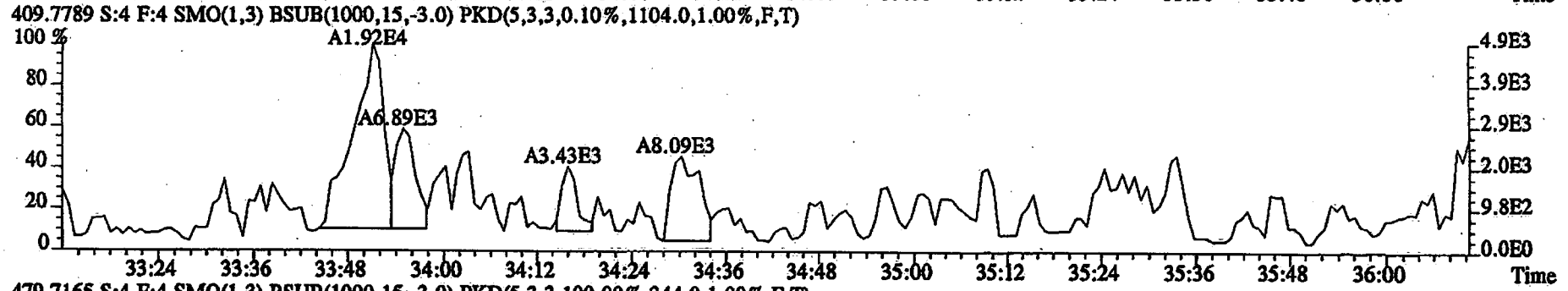
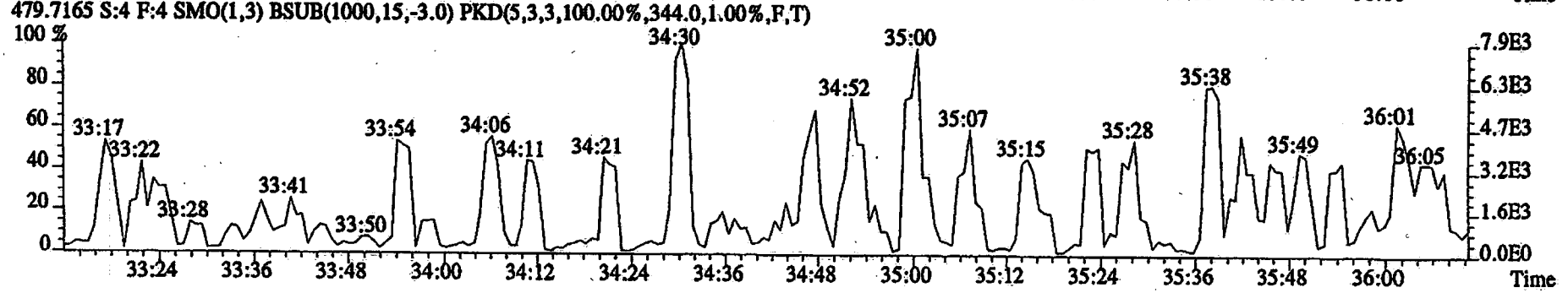
File:23MR059D5 #1-238 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN









1033

STL Edison

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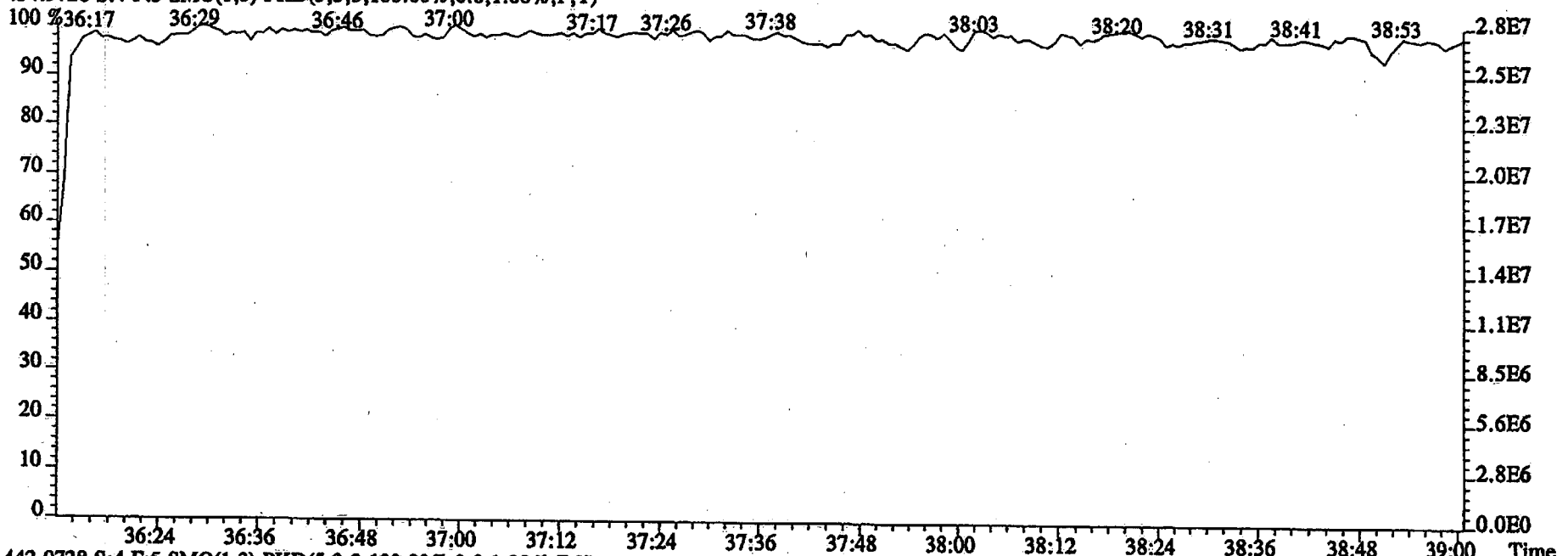
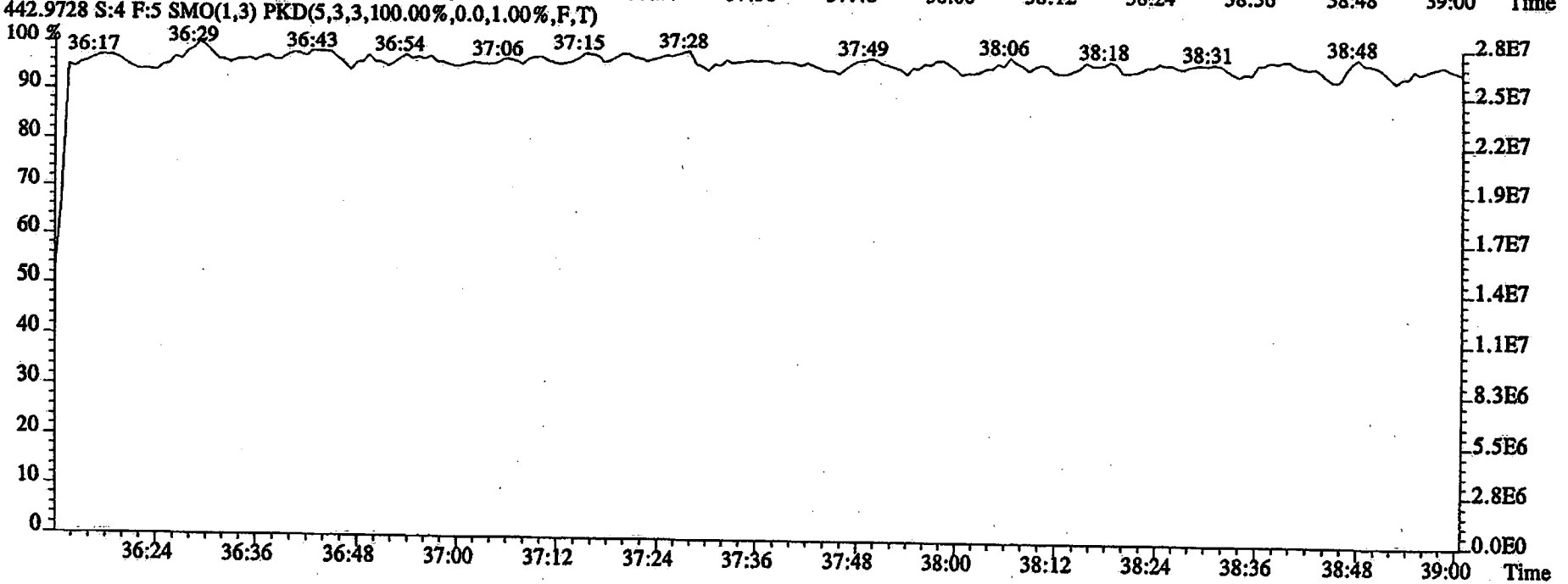
File:23MR059D5 #1-228 Acq:23-MAR-2005 18:23:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:SB0323 :Solvent Blank C-14 Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1034

STL Edison

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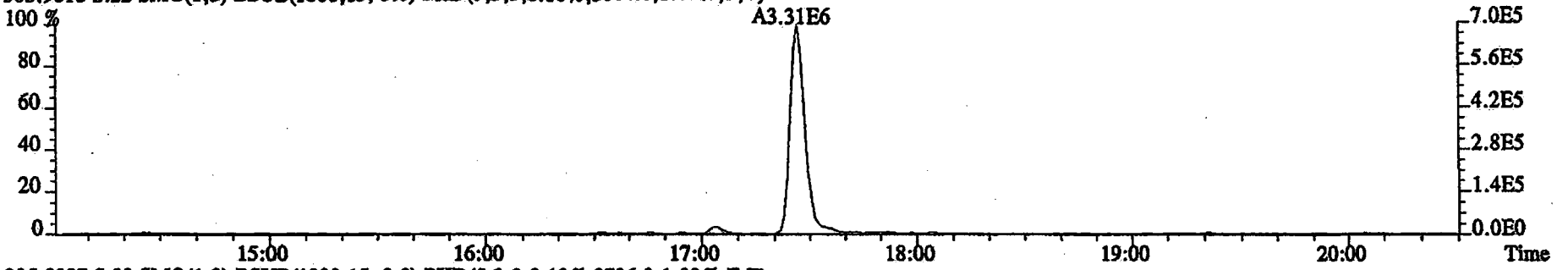
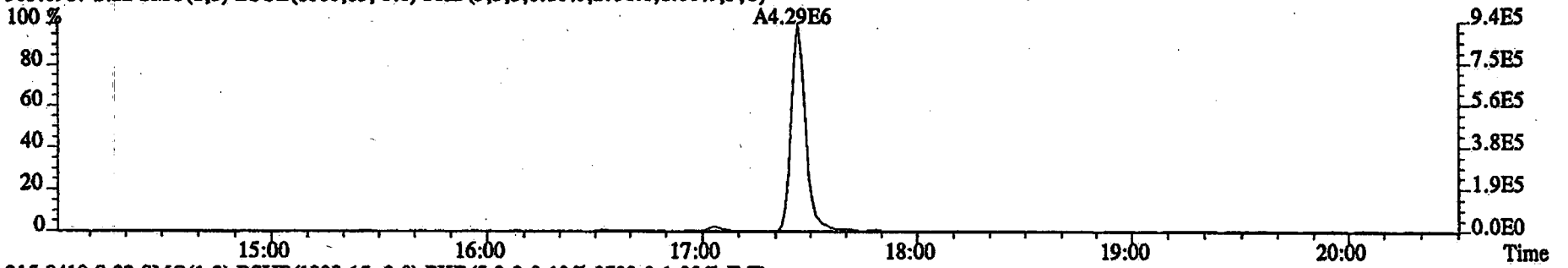
File:23MR059D5 #1-404 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

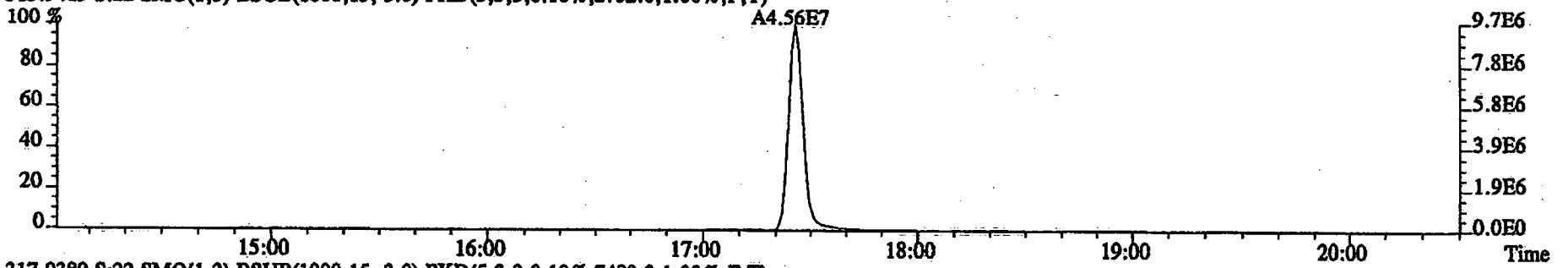
303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)



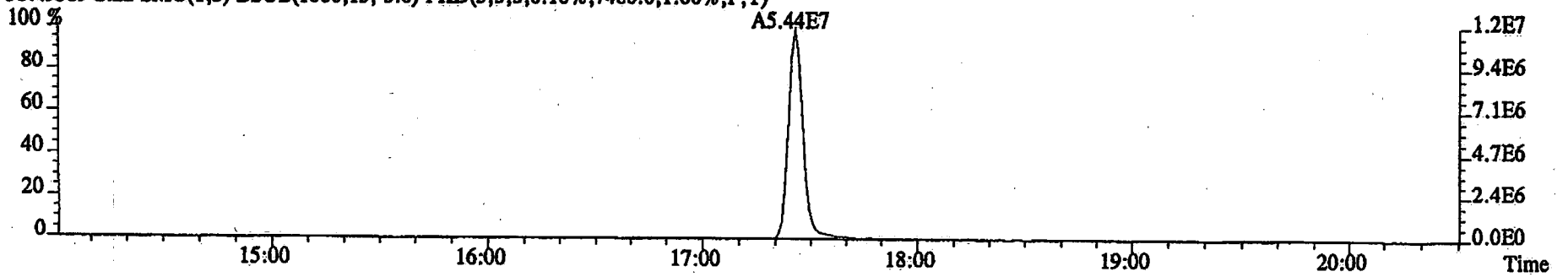
305.8987 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2736.0,1.00%,F,T)



315.9419 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2732.0,1.00%,F,T)



317.9389 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7480.0,1.00%,F,T)



1035
STL Edison
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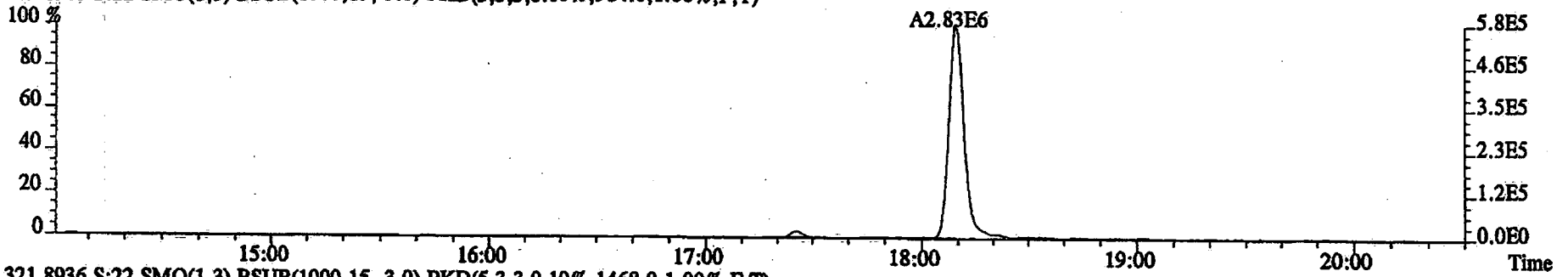
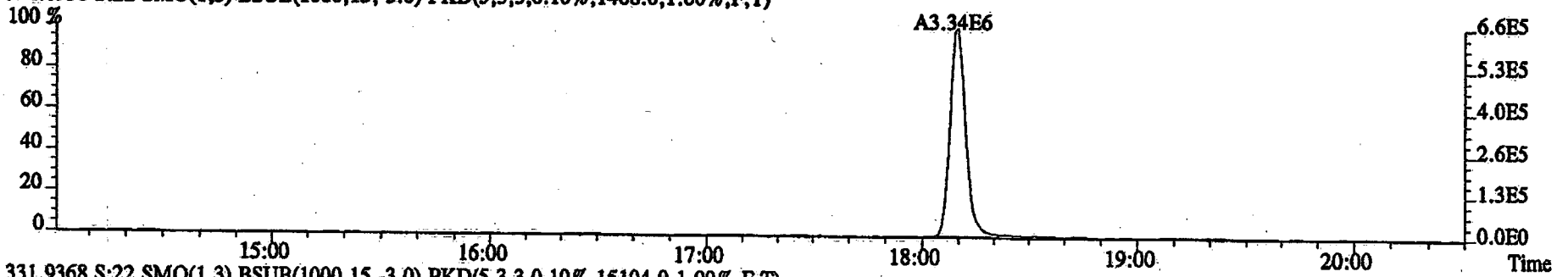
File:23MR059D5 #1-404 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

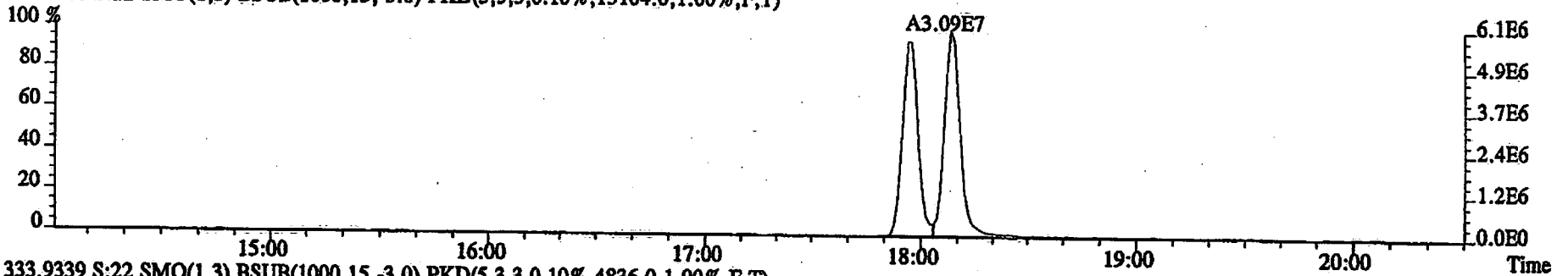
319.8965 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



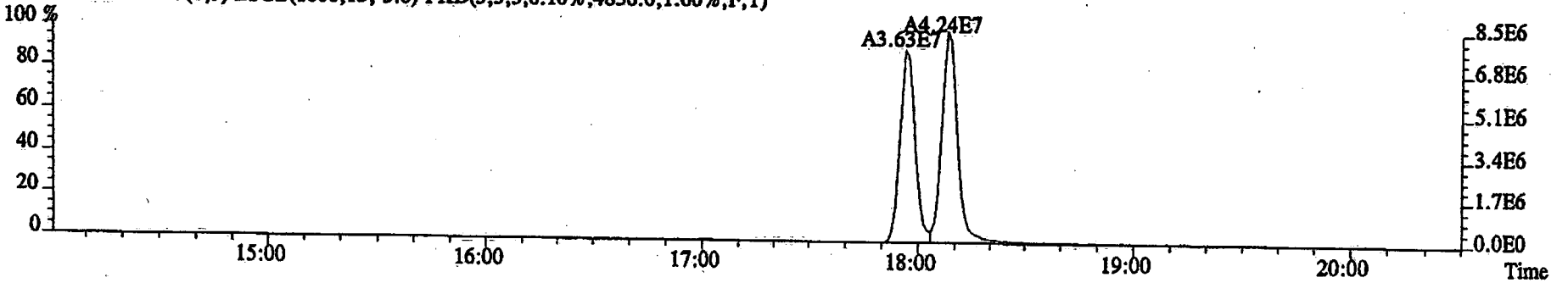
321.8936 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1468.0,1.00%,F,T)



331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15104.0,1.00%,F,T)



333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4836.0,1.00%,F,T)



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STL Edison

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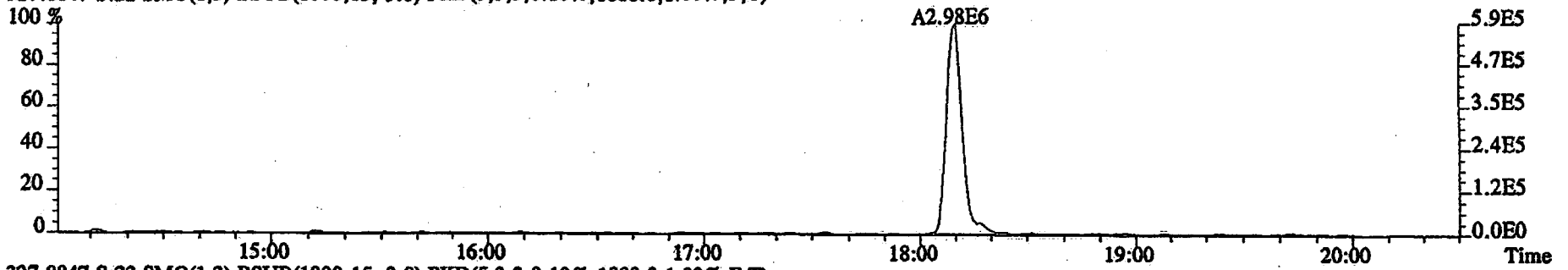
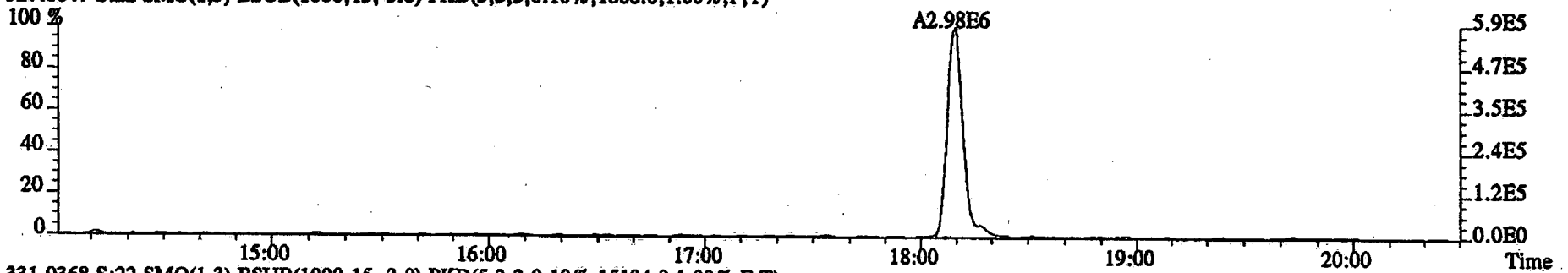
File:23MR059D5 #1-404 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

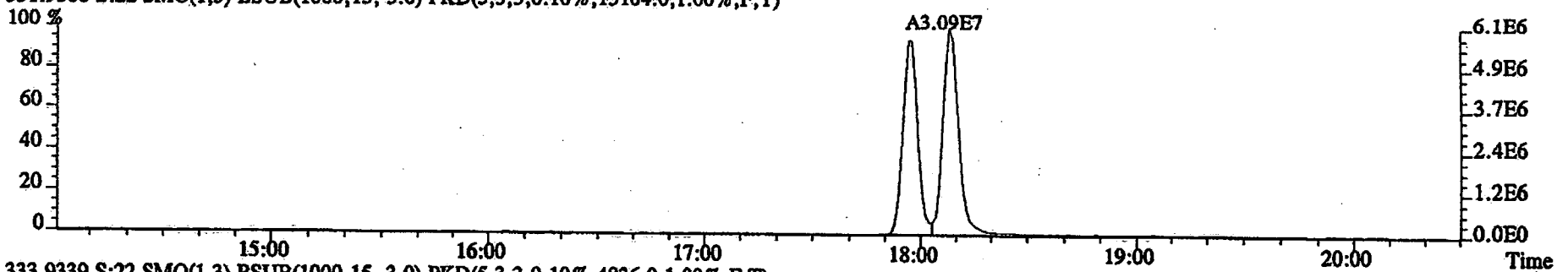
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1888.0,1.00%,F,T)



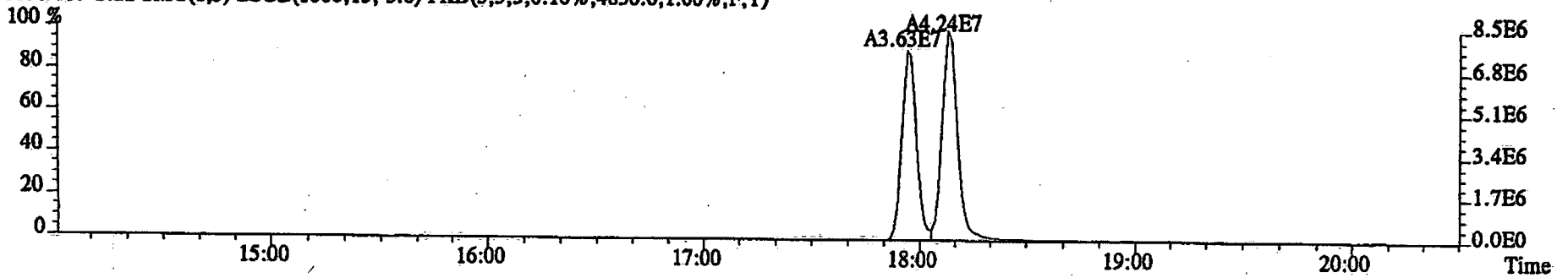
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1888.0,1.00%,F,T)



331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15104.0,1.00%,F,T)



333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4836.0,1.00%,F,T)



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STL Edison

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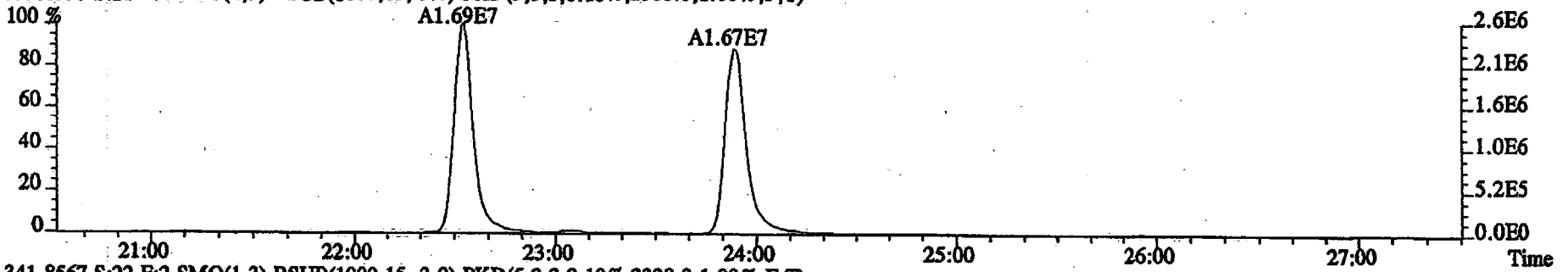
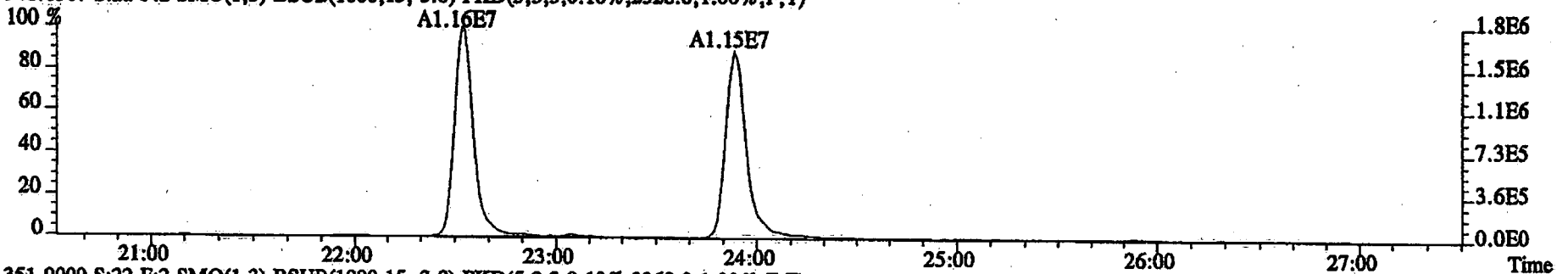
File:23MR059D5 #1-557 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

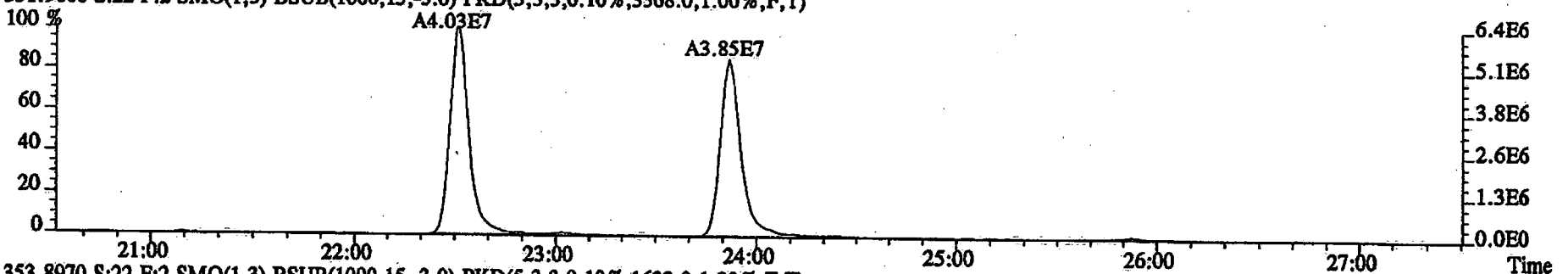
339.8597 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500.0,1.00%,F,T)



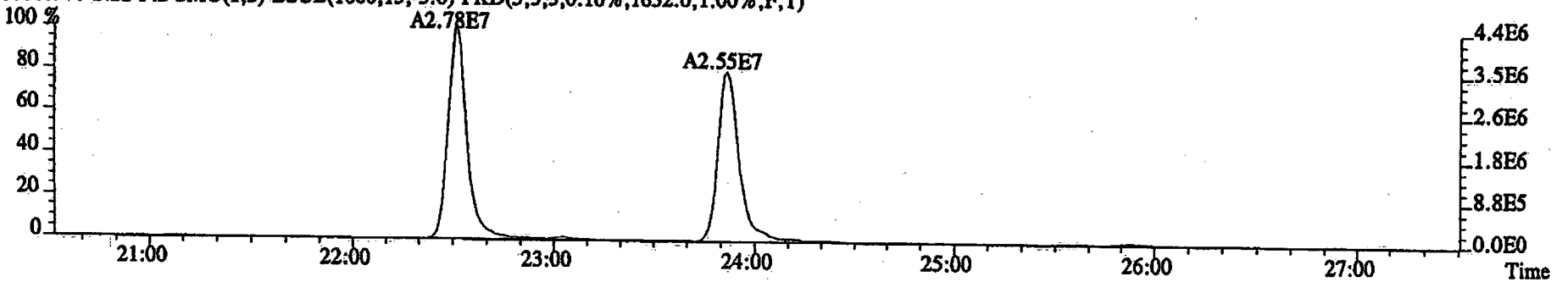
341.8567 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



351.9000 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3368.0,1.00%,F,T)



353.8970 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)



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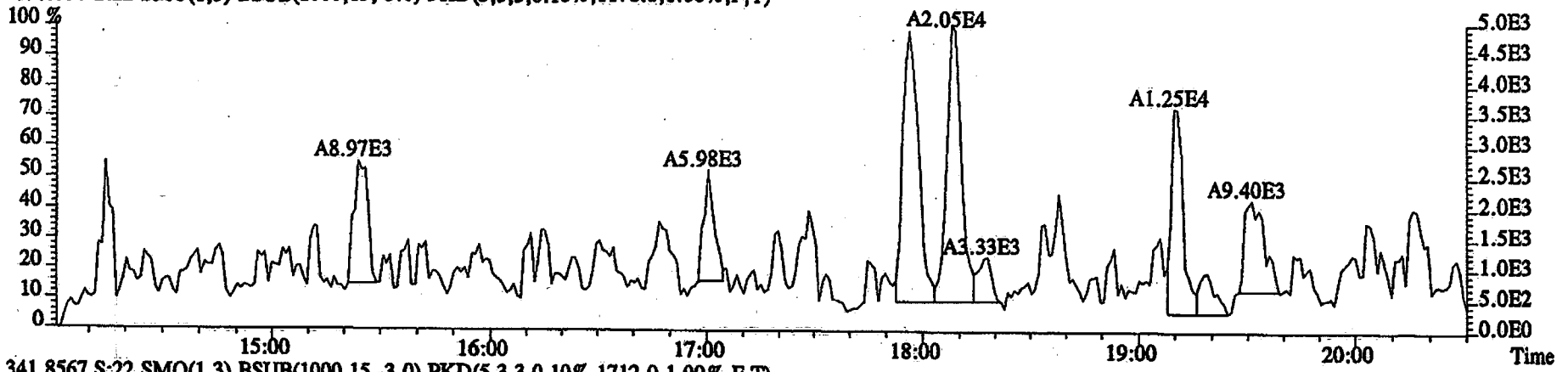
STL Edison

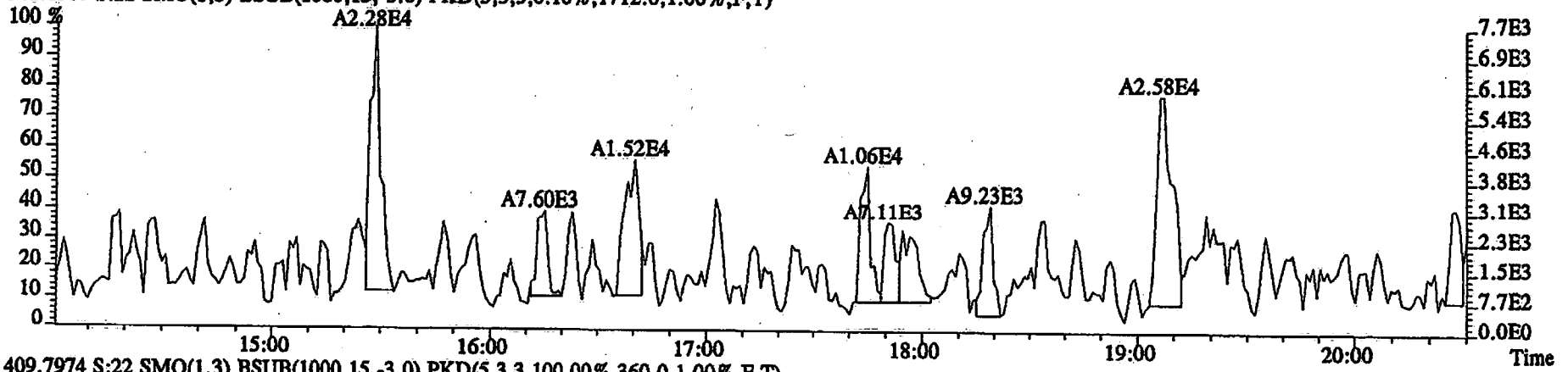
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

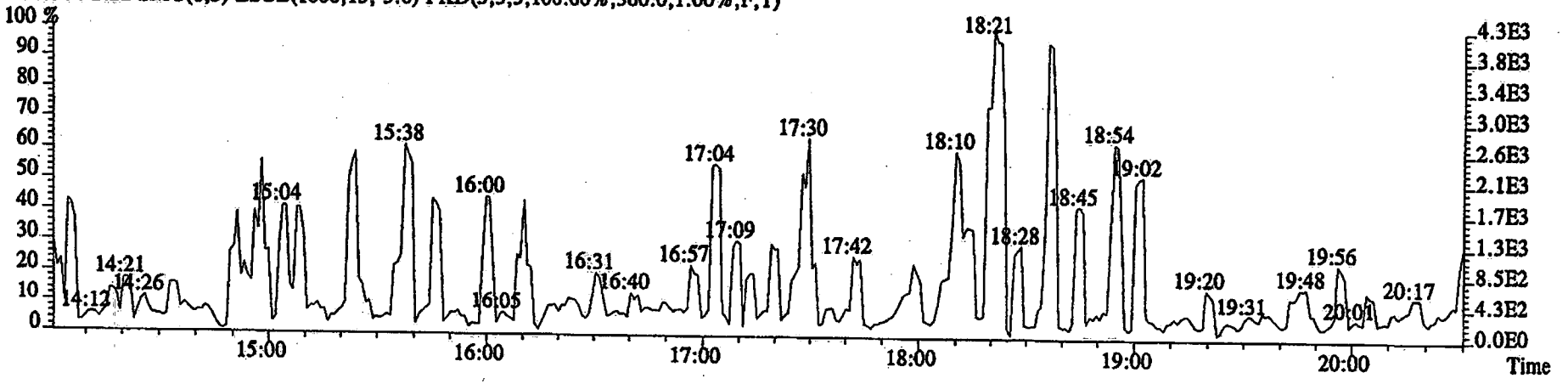
339.8597 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1176.0,1.00%,F,T)



341.8567 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1712.0,1.00%,F,T)



409.7974 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,360.0,1.00%,F,T)



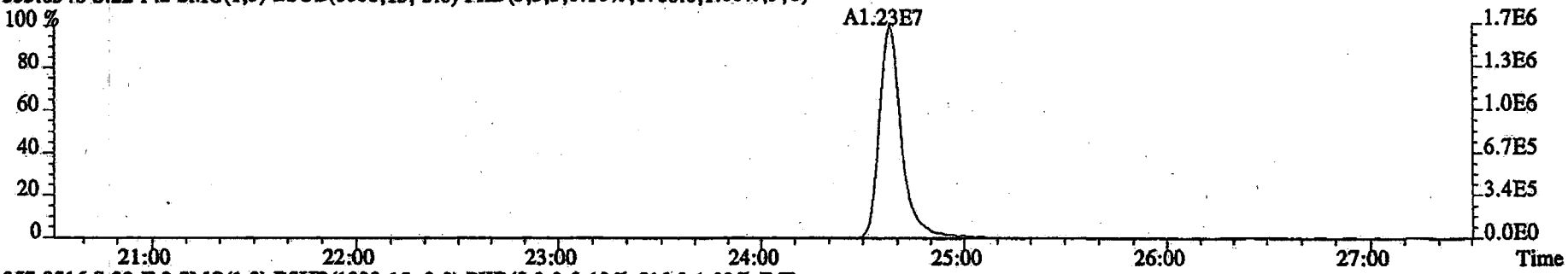
1039

STL Edison

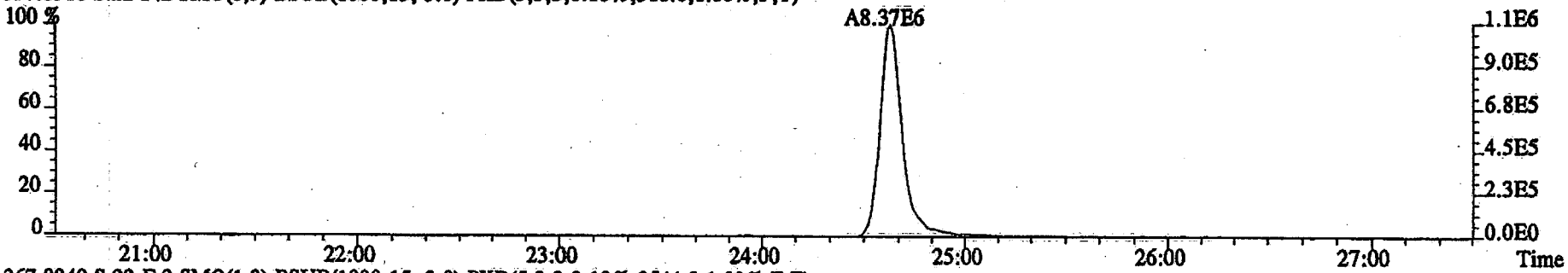
U855

File:23MR059D5 #1-557 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

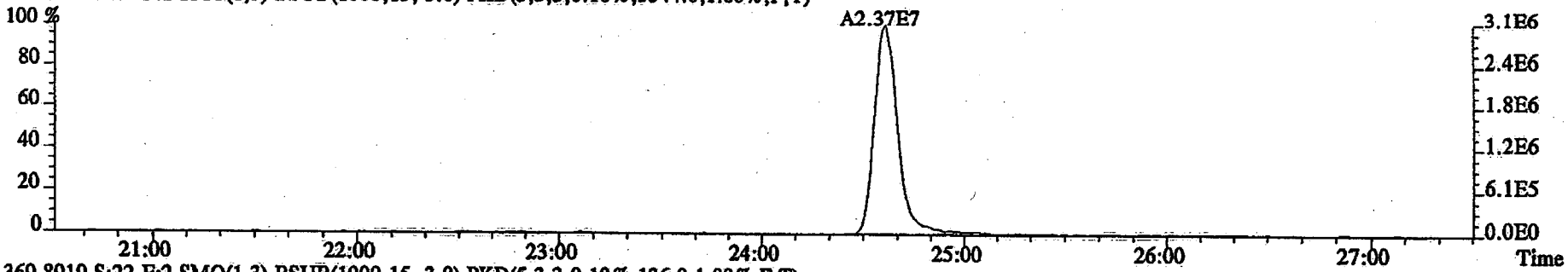
355.8546 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



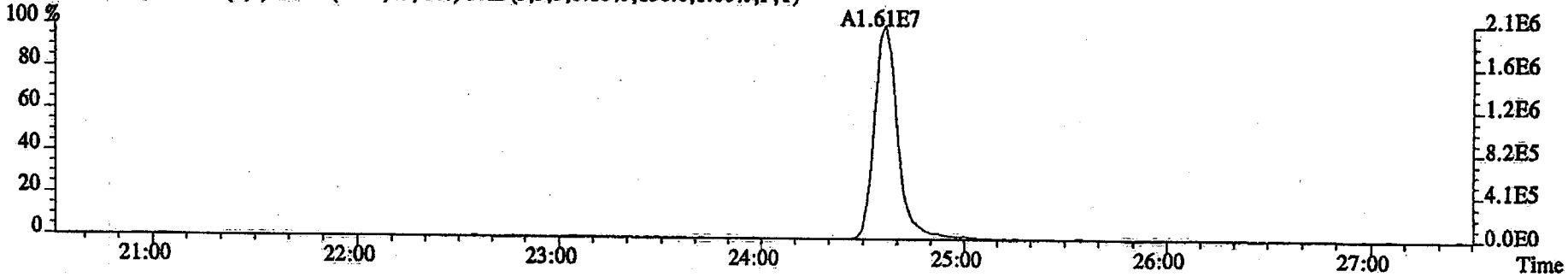
357.8516 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



367.8949 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3544.0,1.00%,F,T)



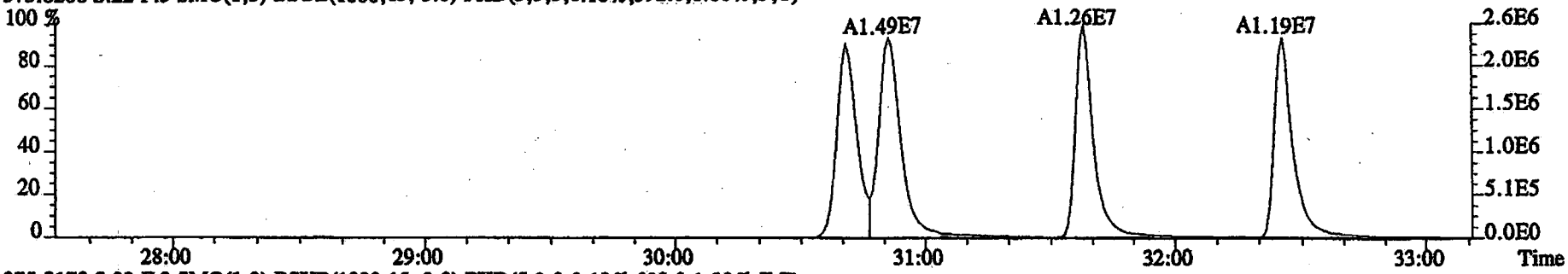
369.8919 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



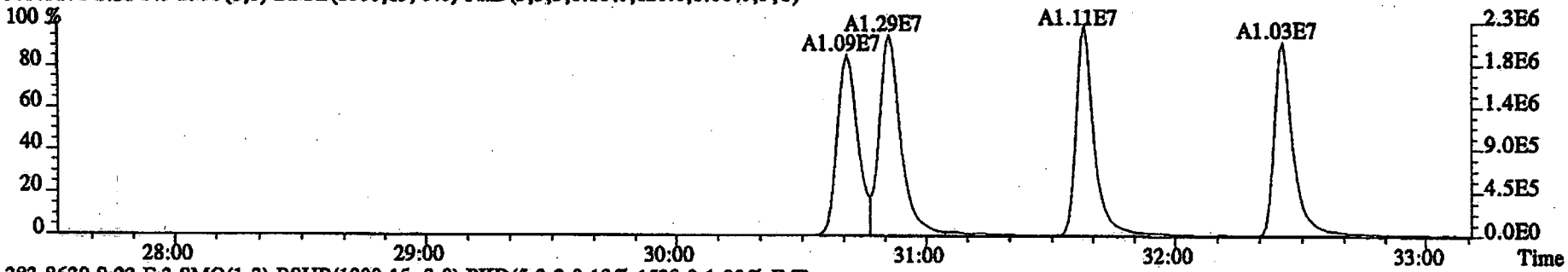
1040
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

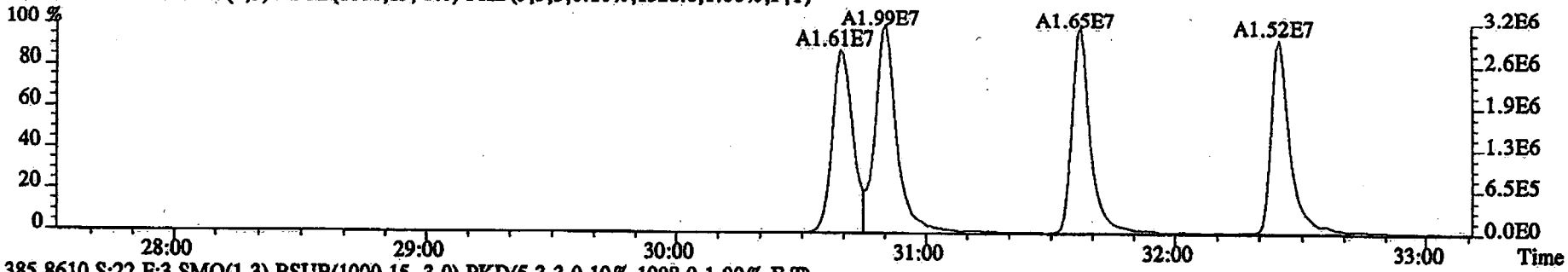
373.8208 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,592.0,1.00%,F,T)



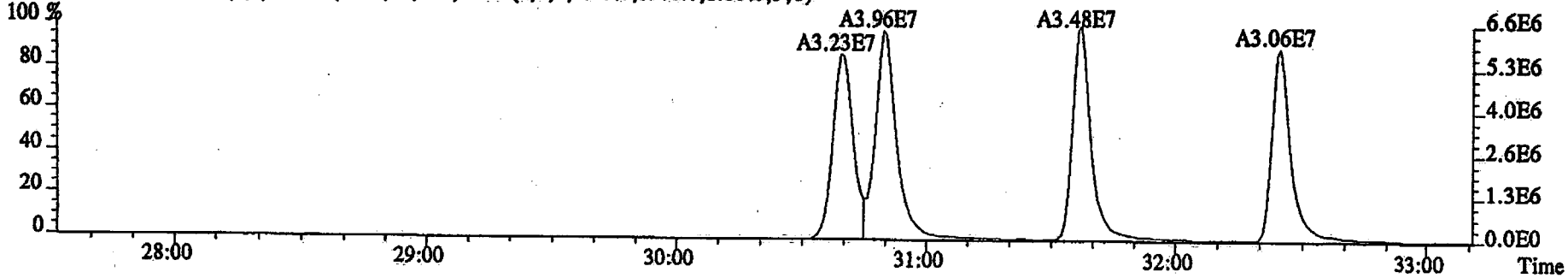
375.8178 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)



383.8639 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



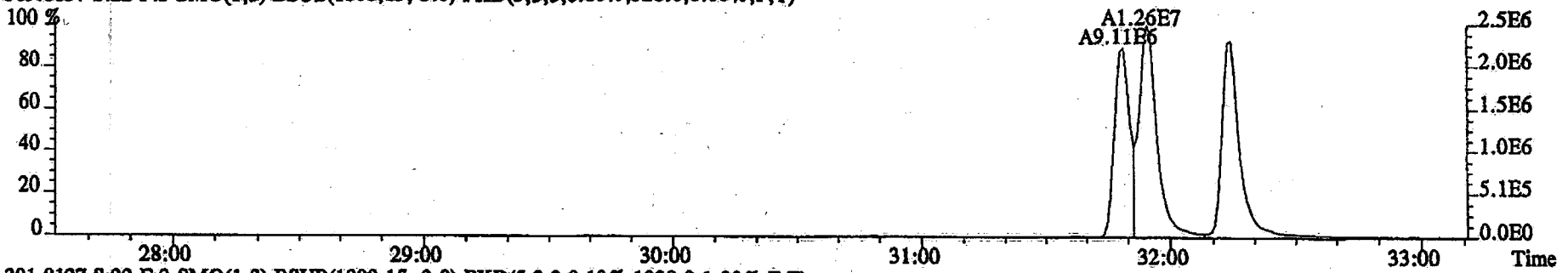
385.8610 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



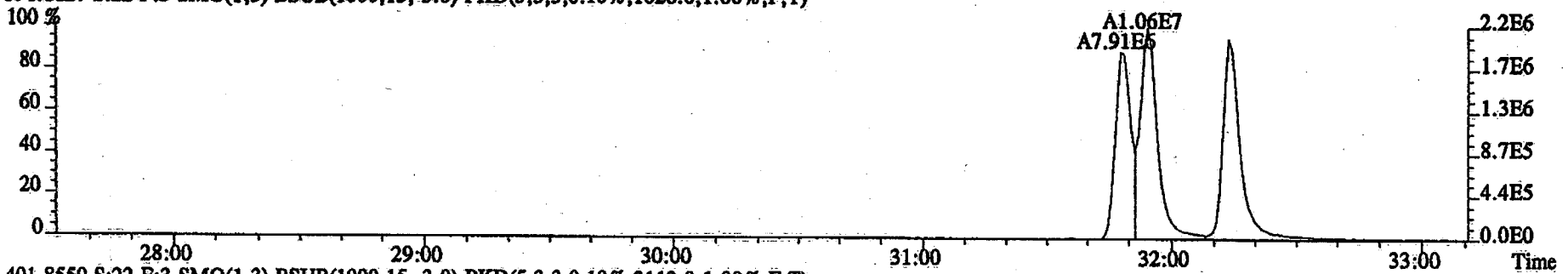
1041
STL Edison
U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

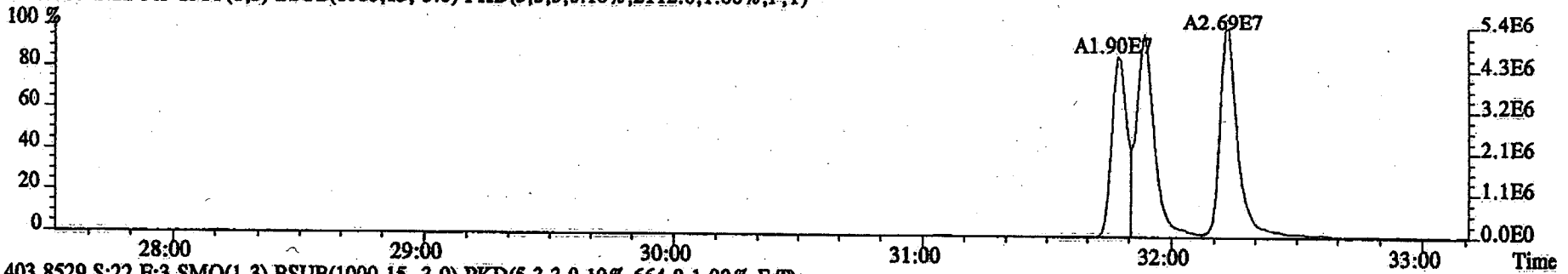
389.8157 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,528.0,1.00%,F,T)



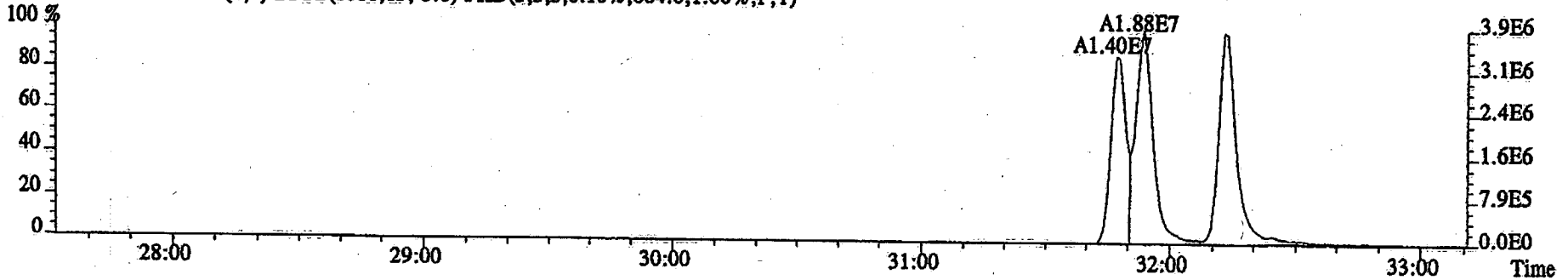
391.8127 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)



401.8559 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)



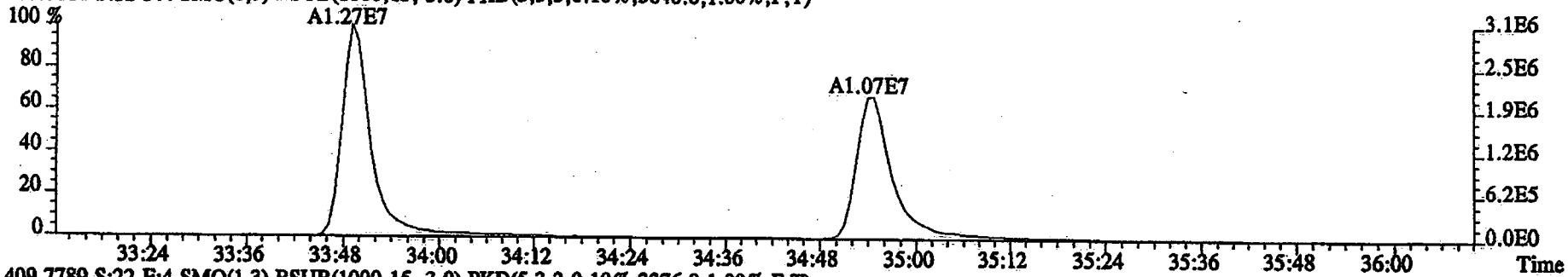
403.8529 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



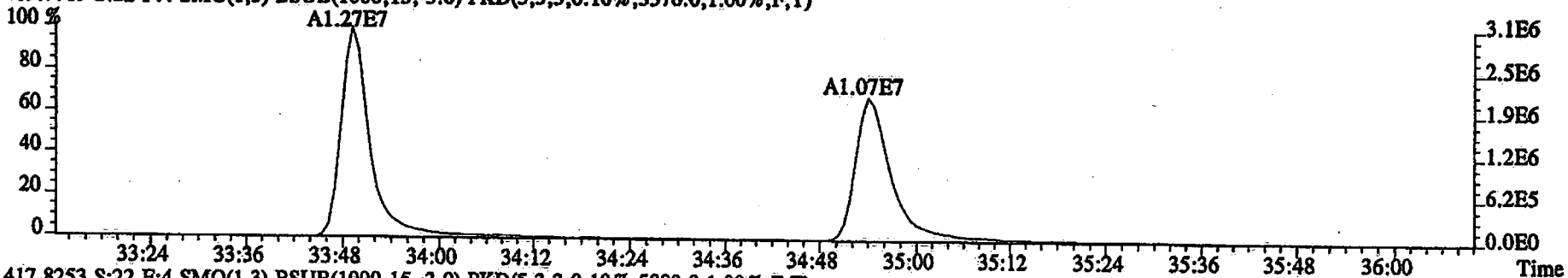
1042
STL Edison
U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

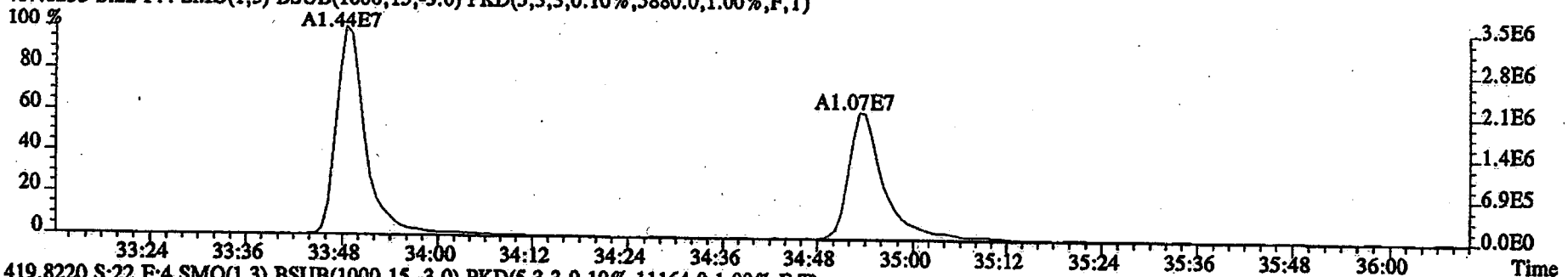
407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3640.0,1.00%,F,T)



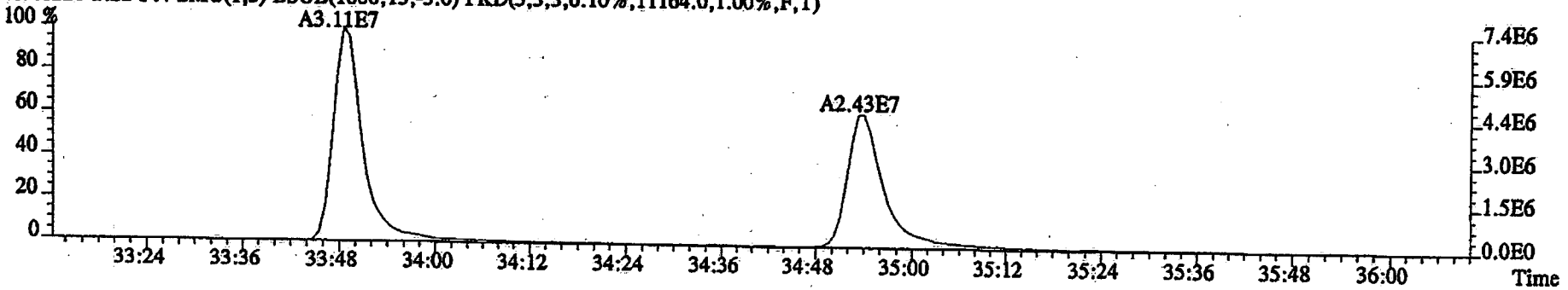
409.7789 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3376.0,1.00%,F,T)



417.8253 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5880.0,1.00%,F,T)



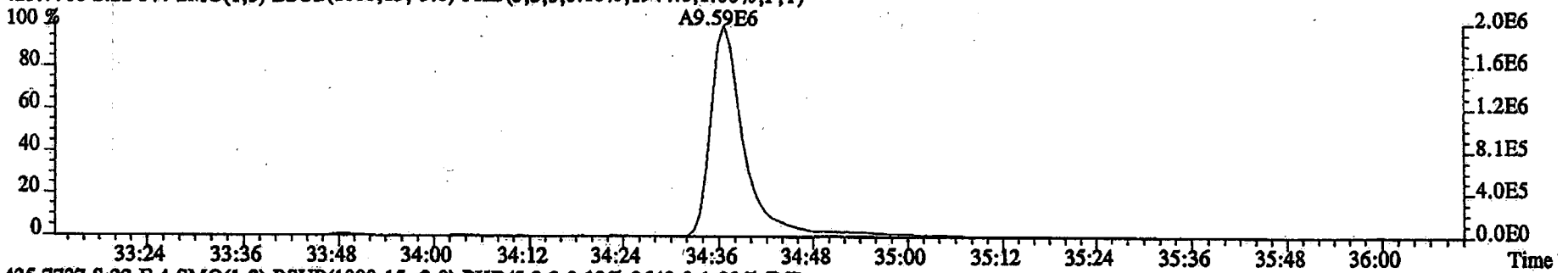
419.8220 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11164.0,1.00%,F,T)



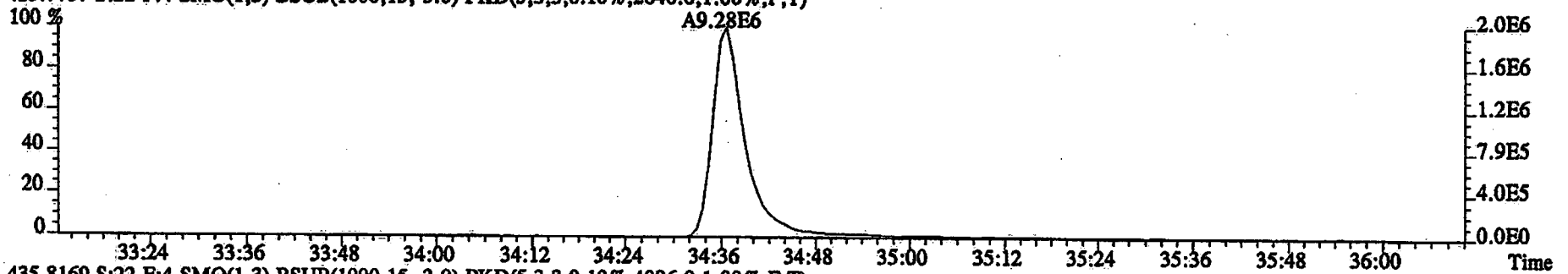
1043
STL Edison
U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

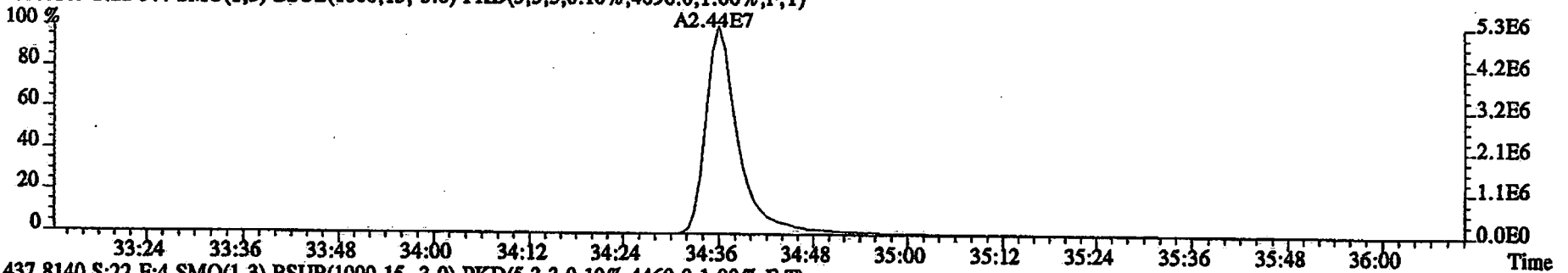
423.7766 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)



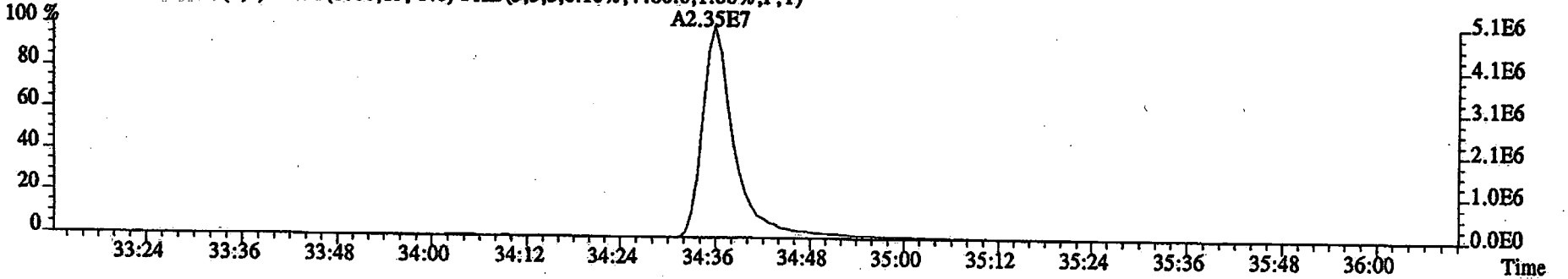
425.7737 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640.0,1.00%,F,T)



435.8169 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4096.0,1.00%,F,T)

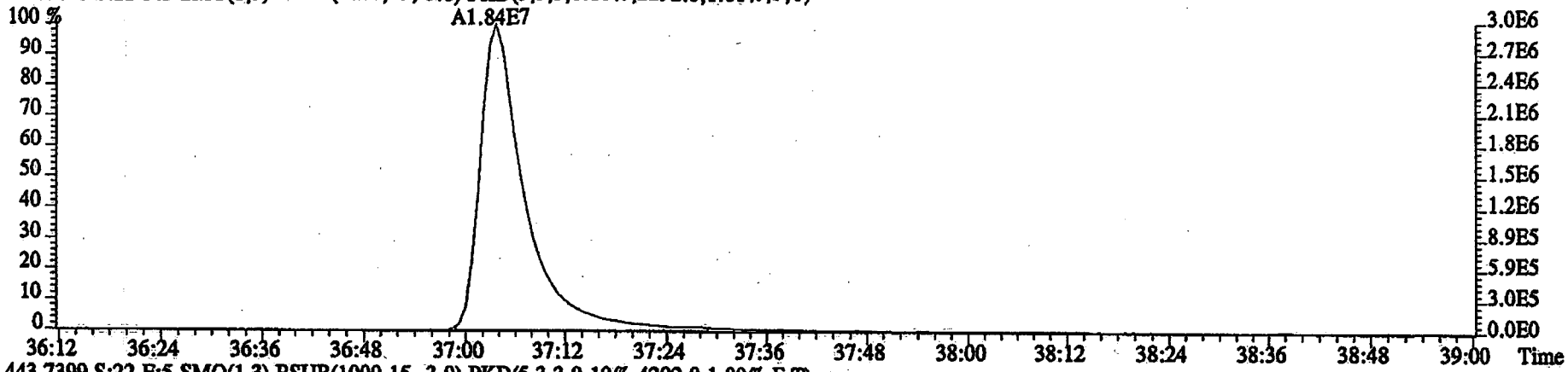


437.8140 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4460.0,1.00%,F,T)

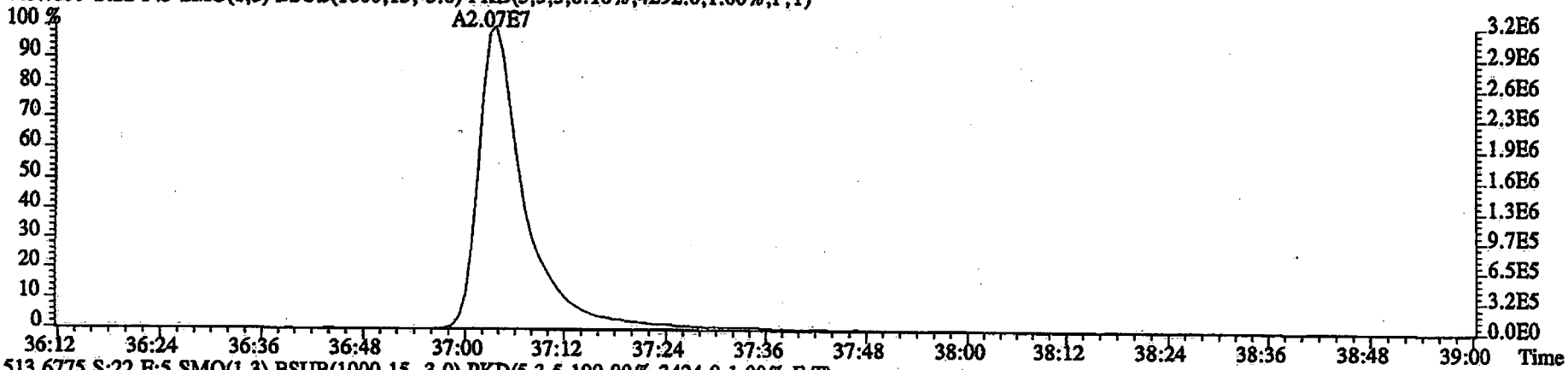


1044
STL Edison
U855

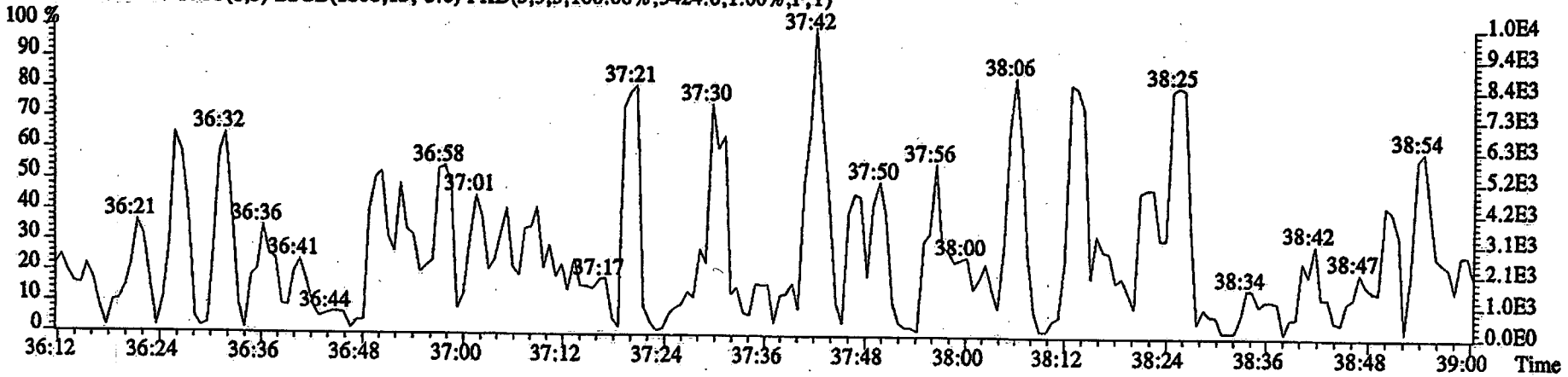
File:23MR059D5 #1-228 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN
441.7428 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2292.0,1.00%,F,T)



443.7399 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4292.0,1.00%,F,T)



513.6775 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,3424.0,1.00%,F,T)



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STL Edison

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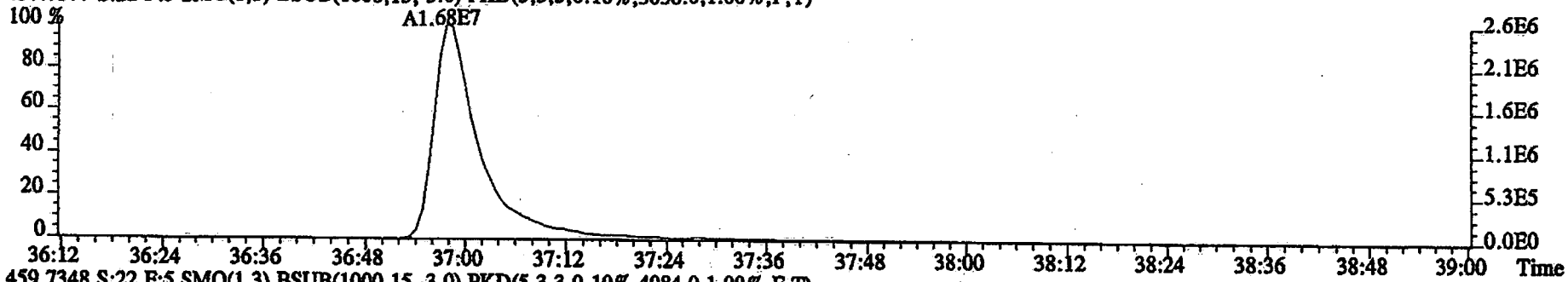
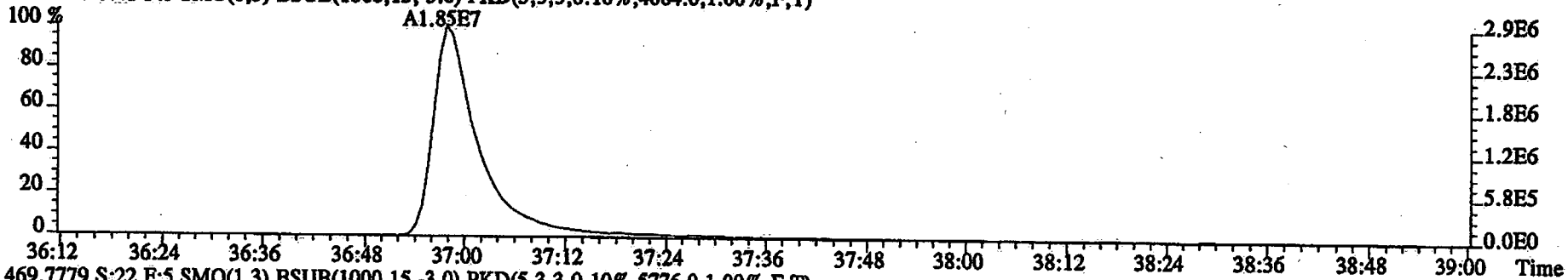
File:23MR059D5 #1-228 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

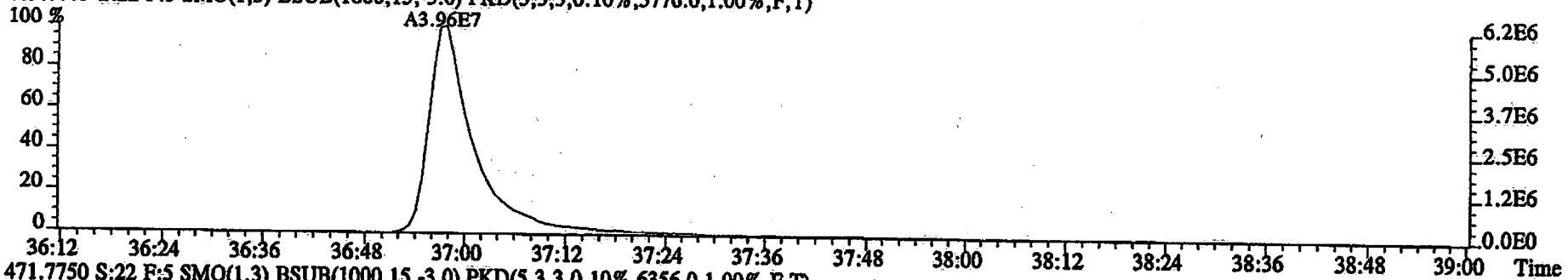
457.7377 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056.0,1.00%,F,T)



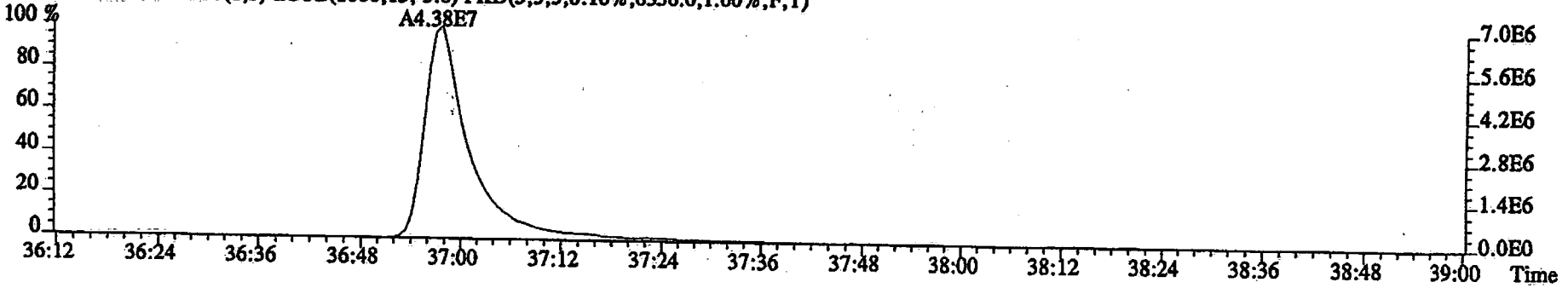
459.7348 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)



469.7779 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)

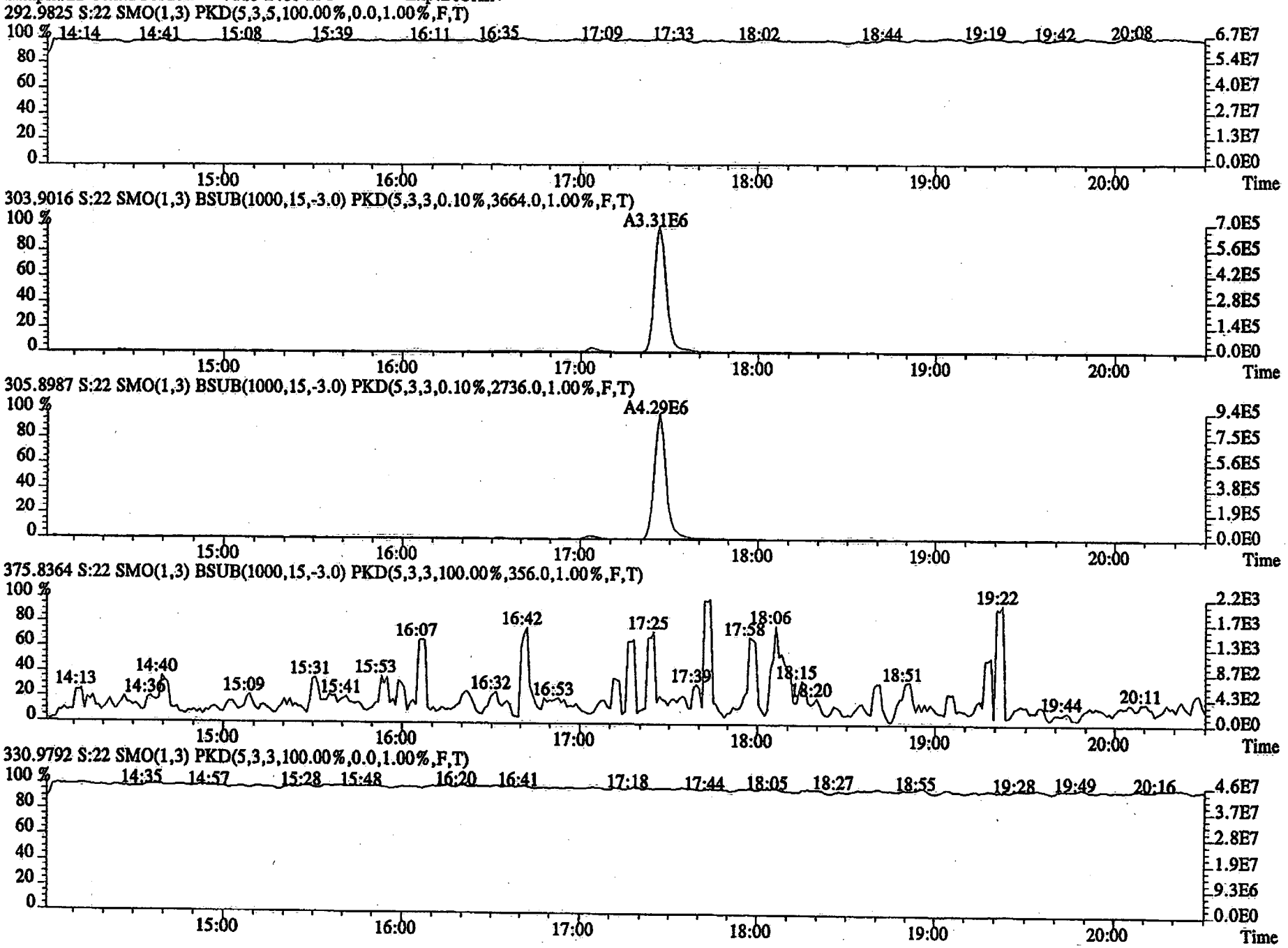


471.7750 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6356.0,1.00%,F,T)



1046
STL Edison
U855

File:23MR059D5 #1-404 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

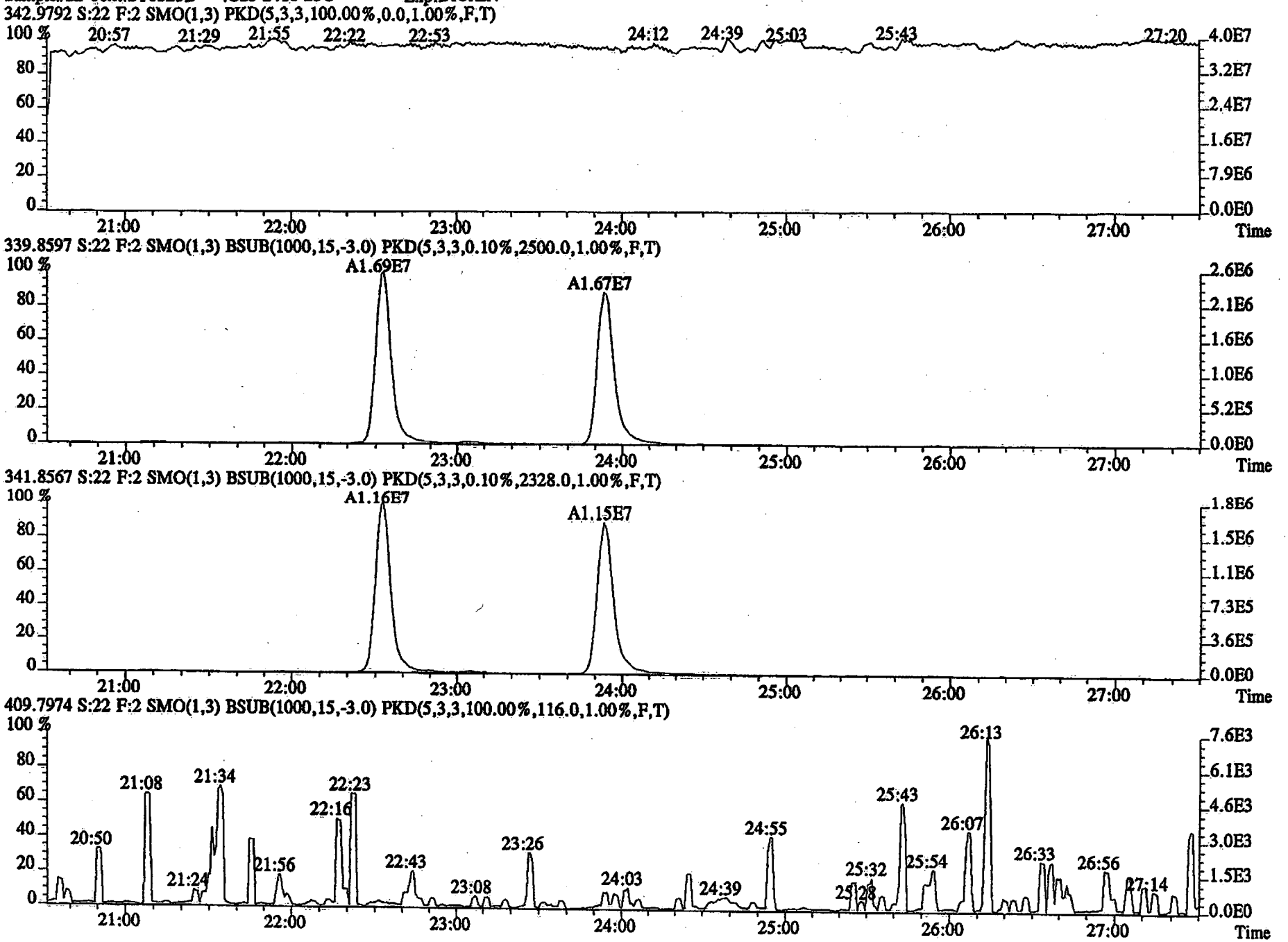


1047

STL Edison

U855

File:23MR059D5 #1-557 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

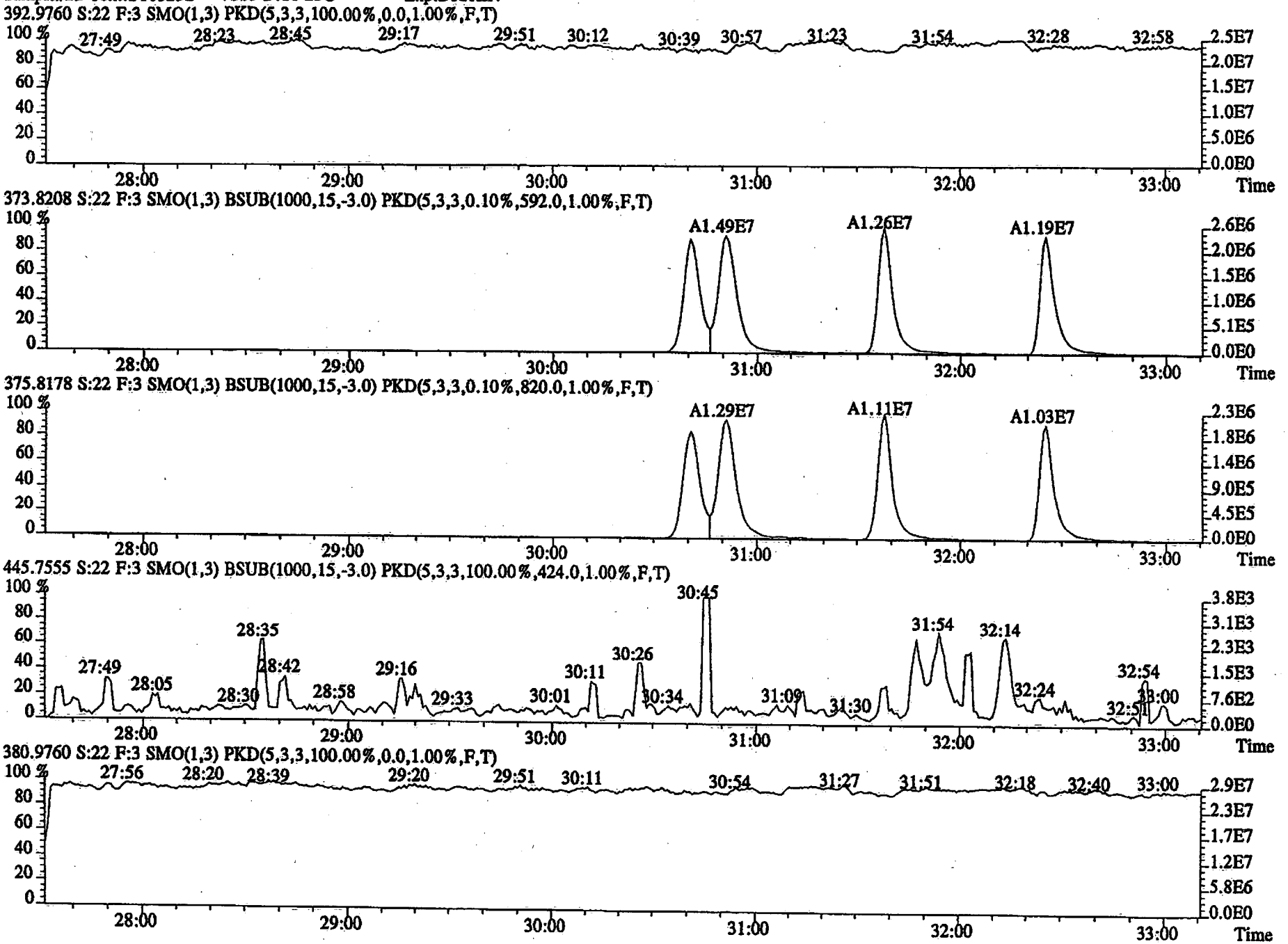


1048

STL Edison

U855

File:23MR059D5 #1-428 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

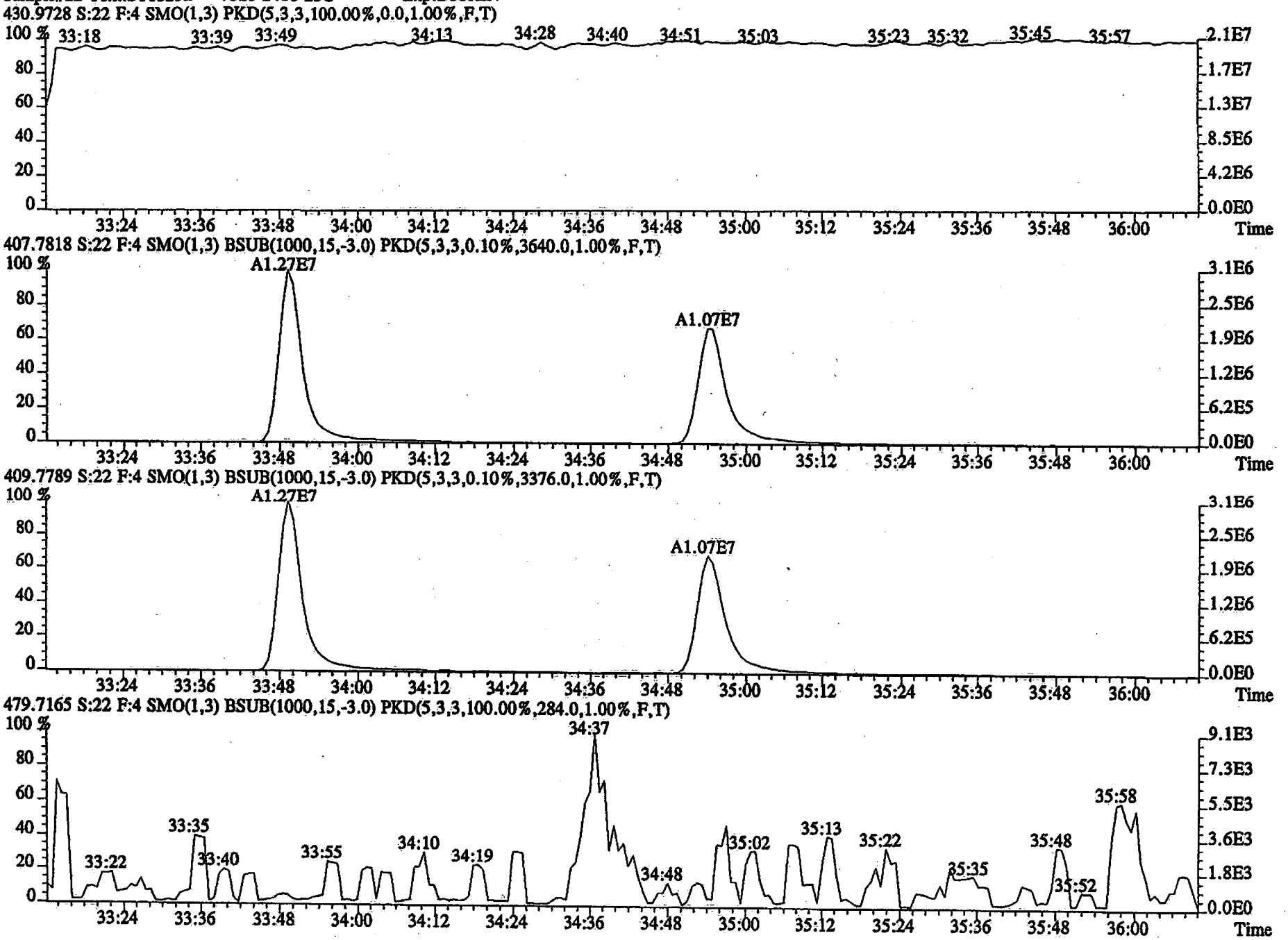


1049

STL Edison

U855

File:23MR059D5 #1-237 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN

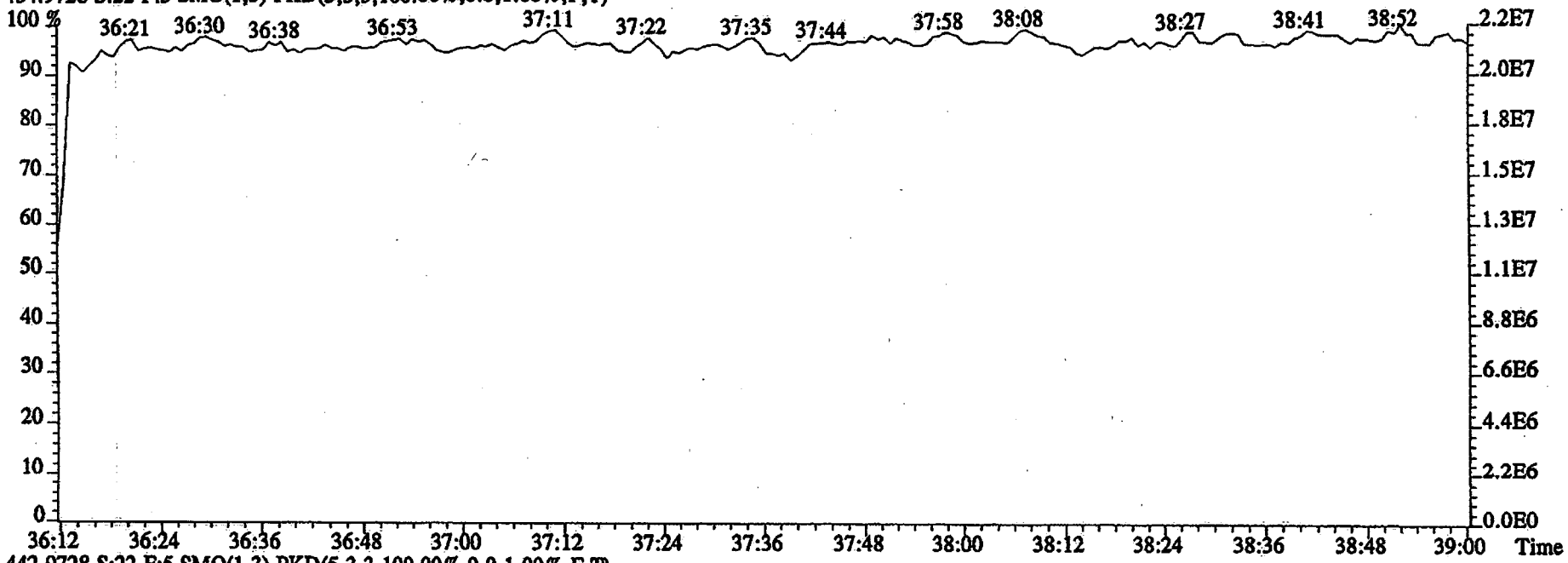


1050

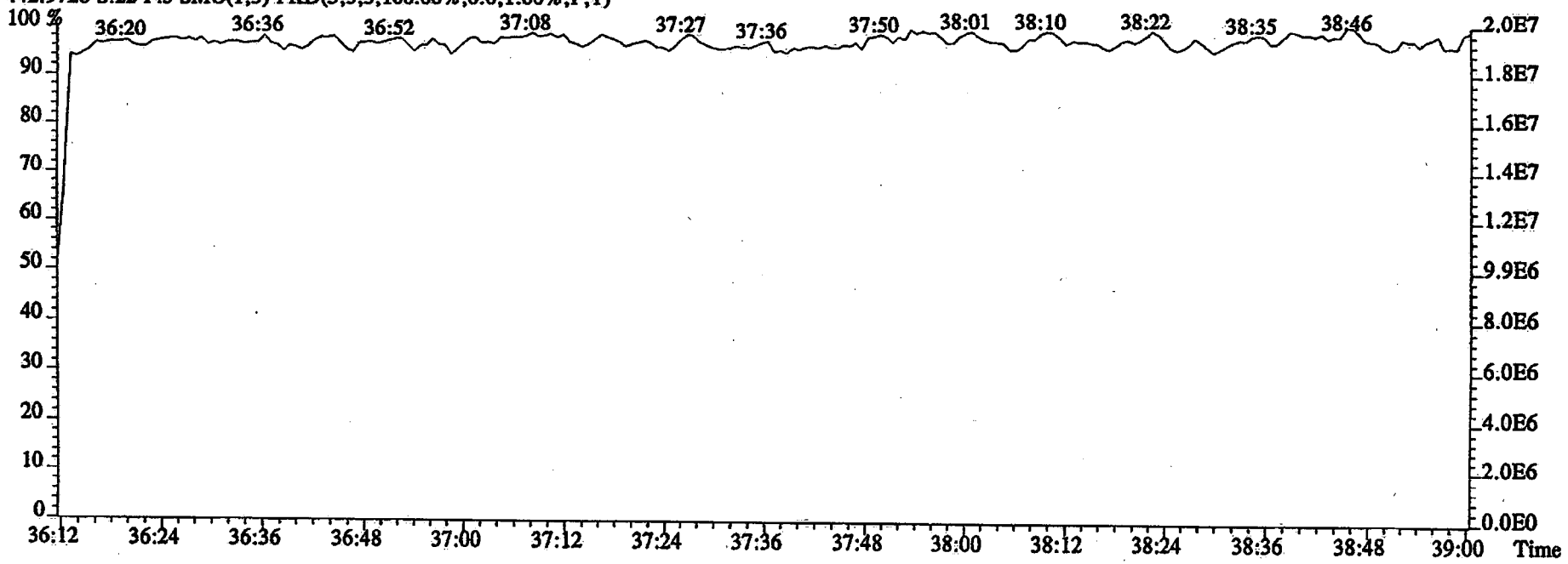
STL Edison

U855

File:23MR059D5 #1-228 Acq:24-MAR-2005 06:55:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:ST0323B :CS3 2416-23C Exp:DIOXIN
454.9728 S:22 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:22 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1051
STL Edison
U855

SEVERN TRENT SERVICES

Daily Standard Checklist
High Resolution

Method ID 8290 **Associated ICAL** 829012090 49DS

Column ID DB-5 **Instrument ID** 9D5

STD ID ST0321 + ST0321A **STD Solution** 2416-23C

Analyzed By SMA **Date Analyzed** 03-21-05

Prepared By SMA **Date Prepared** 03-22-05

Reviewed By MAP **Date Reviewed** 3/22/05

ANALYSIS OF CAL	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard and ending Static Resolutions present	✓	✓

COMMENTS:

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
PAH: +/- 30% from curve RRFs for native and labeled compounds.
PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

OA-231 DW 05/03

Run text: ST0321 File text: ST0321 :CS3 2416-23C
Run #6 Filename 21MR059D5 S: 1 I: 1
Acquired: 21-MAR-05 16:29:14 Processed: 22-MAR-05 12:01:12
Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5 Results: 21MR059D58290

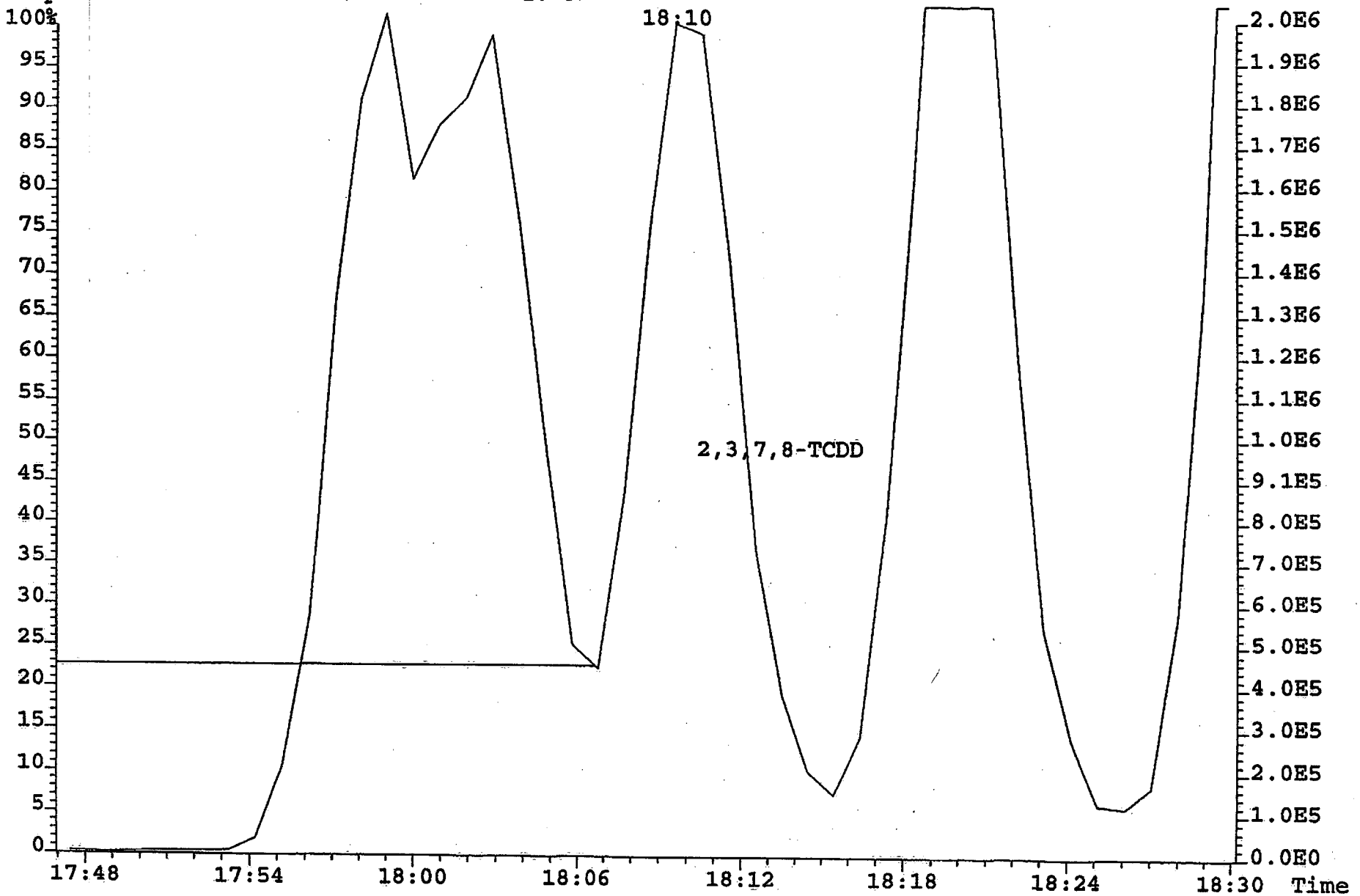
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	66970600	0.73 y	17:58	-	100.00	-	n
13C-2,3,7,8-TCDF	117785700	0.83 y	17:27	1.76	100.00	12.1	n
2,3,7,8-TCDF	9266070	0.79 y	17:28	0.79	10.00	-0.3	n
Total TCDF	9510440	0.79 y	17:06	0.79	10.00	-0.3	n
13C-2,3,7,8-TCDD	74839700	0.72 y	18:09	1.12	100.00	4.2	n
2,3,7,8-TCDD	7196680	0.85 y	18:11	0.96	10.00	-1.4	n
Total TCDD	7241664	3.24 n	17:27	0.96	10.00	-1.4	n
37Cl-2,3,7,8-TCDD	6118360	1.00 y	18:11	0.91	10.00	-10.0	n
13C-1,2,3,7,8-PeCDF	86377700	1.46 y	22:32	1.29	100.00	2.1	n
1,2,3,7,8-PeCDF	34139100	1.47 y	22:34	0.79	50.00	-3.3	n
2,3,4,7,8-PeCDF	36135200	1.49 y	23:55	0.84	50.00	-0.7	n
Total F2 PeCDF	71123619	1.02 n	21:11	0.81	100.00	-2.0	n
Total F1 PeCDF	33384	2.03 n	18:09	0.81	100.00	-2.0	n
13C-1,2,3,7,8-PeCDD	43820000	1.51 y	24:38	0.65	100.00	-18.3	n
1,2,3,7,8-PeCDD	26892200	1.53 y	24:40	1.23	50.00	19.0	n
Total PeCDD	27203834	5.69 n	22:34	1.23	50.00	19.0	n
13C-1,2,3,7,8,9-HxCDD	58199900	1.35 y	32:14	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	63045300	0.50 y	30:41	1.08	100.00	4.6	n
1,2,3,4,7,8-HxCDF	30225200	1.16 y	30:42	0.96	50.00	-7.9	n
1,2,3,6,7,8-HxCDF	35285900	1.20 y	30:52	1.12	50.00	3.0	n
2,3,4,6,7,8-HxCDF	30354500	1.14 y	31:39	0.96	50.00	-3.8	n
1,2,3,7,8,9-HxCDF	26904600	1.17 y	32:26	0.85	50.00	-10.1	n
Total HxCDF	122770200	1.16 y	30:42	0.97	200.00	-4.5	n
13C-1,2,3,6,7,8-HxCDD	55634000	1.35 y	31:55	0.96	100.00	11.7	n
1,2,3,4,7,8-HxCDD	21665800	1.16 y	31:49	0.78	50.00	-16.5	n
1,2,3,6,7,8-HxCDD	28563000	1.19 y	31:55	1.03	50.00	5.0	n
1,2,3,7,8,9-HxCDD	26760300	1.18 y	32:14	0.96	50.00	-4.3	n
Total HxCDD	76989100	1.16 y	31:49	0.92	150.00	-5.1	n
13C-1,2,3,4,6,7,8-HpCDF	58295200	0.46 y	33:49	1.00	100.00	3.7	n
1,2,3,4,6,7,8-HpCDF	32372900	1.01 y	33:50	1.11	50.00	-2.0	n
1,2,3,4,7,8,9-HpCDF	27201200	0.99 y	34:55	0.93	50.00	-9.3	n
Total HpCDF	59574100	1.01 y	33:50	1.02	100.00	-5.5	n
13C-1,2,3,4,6,7,8-HpCDD	60989800	1.05 y	34:37	1.05	100.00	7.3	n
1,2,3,4,6,7,8-HpCDD	23417000	1.02 y	34:38	0.77	50.00	-10.5	n
Total HpCDD	23551153	3.57 n	33:49	0.77	50.00	-10.5	n
13C-OCDD	108334500	0.89 y	36:58	0.93	200.00	0.7	n
OCDF	50614900	0.88 y	37:04	0.93	100.00	-9.3	n
OCDD	45497800	0.92 y	36:59	0.84	100.00	-8.0	n

Run text: ST0321A
Run #20 Filename 21MR059D5 S: 19
Acquired: 22-MAR-05 05:02:50
Run: 21MR059D5 Analyte: 8290

File text: ST0321A :CS3 2416-23C
I: 1
Processed: 22-MAR-05 12:01:52
Cal: 82901209049D5 Results: 21MR059D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	66848700	0.75 y	17:58	-	100.00	-	n
13C-2,3,7,8-TCDF	117221100	0.81 y	17:26	1.75	100.00	11.8	n
2,3,7,8-TCDF	9379980	0.76 y	17:27	0.80	10.00	1.4	n
Total TCDF	9636362	0.90 n	17:05	0.80	10.00	1.4	n
13C-2,3,7,8-TCDD	74892700	0.75 y	18:09	1.12	100.00	4.5	n
2,3,7,8-TCDD	7303290	0.81 y	18:10	0.98	10.00	0.0	n
Total TCDD	7336958	0.11 n	14:23	0.98	10.00	0.0	n
37Cl-2,3,7,8-TCDD	6547600	1.00 y	18:10	0.98	10.00	-3.5	n
13C-1,2,3,7,8-PeCDF	90725100	1.49 y	22:32	1.36	100.00	7.4	n
1,2,3,7,8-PeCDF	35670500	1.49 y	22:33	0.79	50.00	-3.8	n
2,3,4,7,8-PeCDF	36123000	1.50 y	23:54	0.80	50.00	-5.5	n
Total F2 PeCDF	72543100	0.62 n	21:09	0.79	100.00	-4.6	n
Total F1 PeCDF	18427	1.61 y	17:07	0.79	100.00	-4.6	n
13C-1,2,3,7,8-PeCDD	46691200	1.54 y	24:36	0.70	100.00	-12.8	n
1,2,3,7,8-PeCDD	27932700	1.50 y	24:38	1.20	50.00	16.0	n
Total PeCDD	28053417	1.33 y	22:33	1.20	50.00	16.0	n
13C-1,2,3,7,8,9-HxCDD	60077600	1.35 y	32:13	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	65378500	0.52 y	30:40	1.09	100.00	5.1	n
1,2,3,4,7,8-HxCDF	32112800	1.16 y	30:42	0.98	50.00	-5.7	n
1,2,3,6,7,8-HxCDF	35162300	1.18 y	30:52	1.08	50.00	-1.0	n
2,3,4,6,7,8-HxCDF	30152400	1.18 y	31:38	0.92	50.00	-7.8	n
1,2,3,7,8,9-HxCDF	28696800	1.16 y	32:26	0.88	50.00	-7.6	n
Total HxCDF	126248121	1.16 y	30:42	0.96	200.00	-5.4	n
13C-1,2,3,6,7,8-HxCDD	55044400	1.40 y	31:54	0.92	100.00	7.1	n
1,2,3,4,7,8-HxCDD	22329900	1.15 y	31:49	0.81	50.00	-13.0	n
1,2,3,6,7,8-HxCDD	27698300	1.19 y	31:55	1.01	50.00	2.9	n
1,2,3,7,8,9-HxCDD	27650500	1.17 y	32:14	1.00	50.00	-0.1	n
Total HxCDD	77875455	1.15 y	31:49	0.94	150.00	-3.2	n
13C-1,2,3,4,6,7,8-HpCDF	57444700	0.46 y	33:49	0.96	100.00	-1.0	n
1,2,3,4,6,7,8-HpCDF	32154300	1.01 y	33:49	1.12	50.00	-1.2	n
1,2,3,4,7,8,9-HpCDF	27555700	0.99 y	34:54	0.96	50.00	-6.8	n
Total HpCDF	59743476	1.01 y	33:49	1.04	100.00	-3.9	n
13C-1,2,3,4,6,7,8-HpCDD	61331900	1.05 y	34:36	1.02	100.00	4.6	n
1,2,3,4,6,7,8-HpCDD	24404500	1.03 y	34:37	0.80	50.00	-7.2	n
Total HpCDD	24509566	3.89 n	33:49	0.80	50.00	-7.2	n
13C-OCDD	110725300	0.90 y	36:57	0.92	200.00	-0.3	n
OCDF	53940300	0.88 y	37:03	0.97	100.00	-5.5	n
OCDD	47159000	0.90 y	36:58	0.85	100.00	-6.7	n

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:2 Exp:DIOXIN
Sample Text:CP0321 :DB-5 CPSM 2416-32



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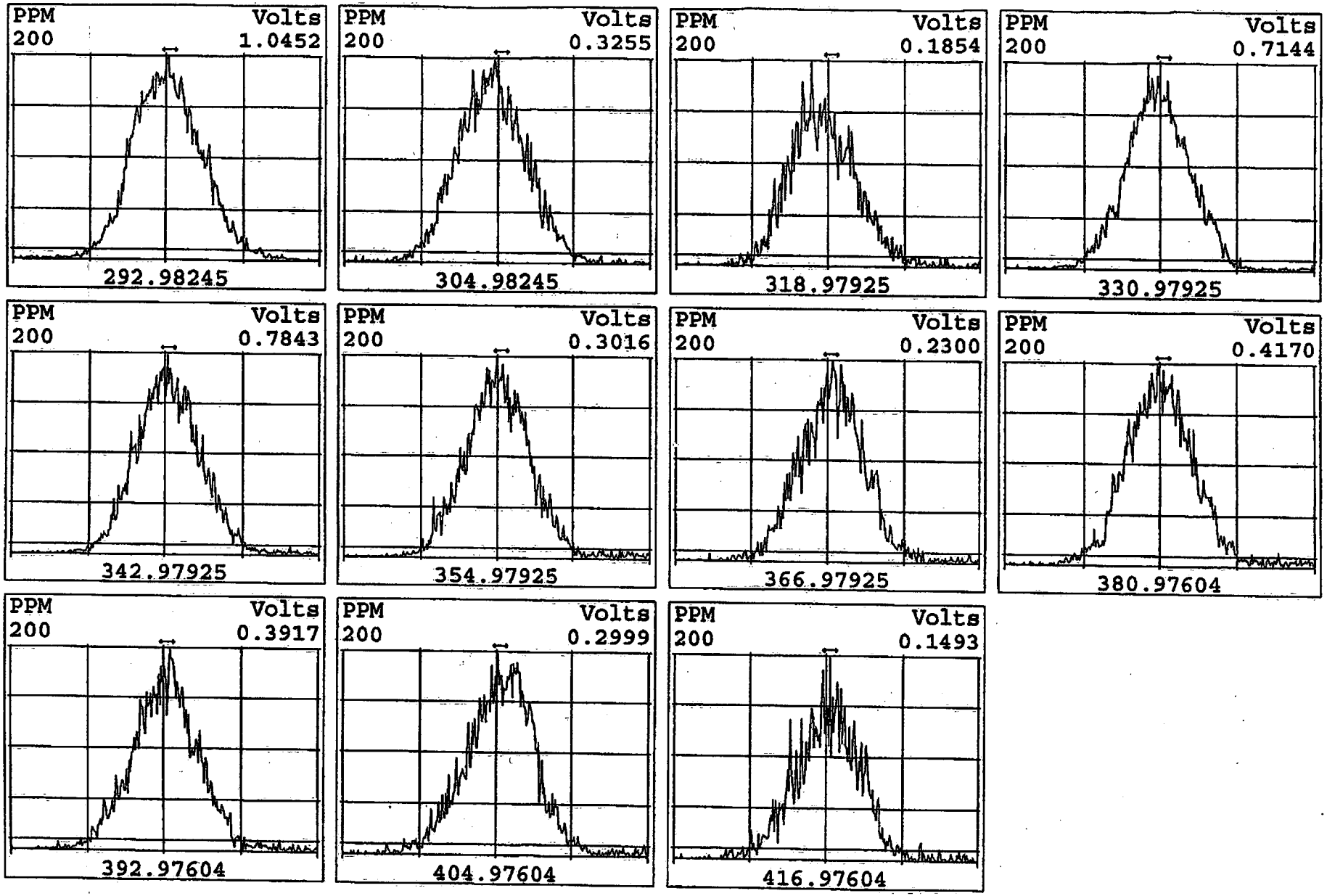
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21MR059D5	1	ST0321	CS3 2416-23C				1.000	
21MR059D5	2	CP0321	DB-5 CPSM 2416-32				1.000	
21MR059D5	3	SB0321	Solvent Blank C-14				1.000	
21MR059D5	4	G6HXL-1-AC	G5C180000-235C	20	8290/WATER	9	1.000	L
21MR059D5	5	G6HXL-1-AD	G5C180000-235L	20	8290/WATER		1.000	L
21MR059D5	6	G6GXD-1-AC	G5C170000-490C	20	8290/SOLID	9	10.000	g
21MR059D5	7	G6GXD-1-AA	G5C170000-490B	20	8290/SOLID		10.000	g
21MR059D5	8	G6FQW-1-AC	G5C170255-1	20	8290/SOLID		10.000	g
21MR059D5	9	G6FQW-1-AD	G5C170255-1S	20	8290/SOLID		10.000	g
21MR059D5	10	G6FQW-1-AE	G5C170255-1D	20	8290/SOLID		10.000	g
21MR059D5	11	G6D3M-1-AC	G5C160389-1	20	8290/SOLID	9	10.000	g
21MR059D5	12	G6D3P-1-AC	G5C160389-2	20	8290/SOLID		10.000	g
21MR059D5	13	G6D3R-1-AC	G5C160389-3	20	8290/SOLID		10.000	g
21MR059D5	14	SB0321A	Solvent Blank C-14				1.000	
21MR059D5	15	G55TH-1-AC	G5C120181-3 20X Dil'n	20	8290/SOLID	9	10.000	g
21MR059D5	16	G55TH-1-AD	G5C120181-3S 20X Dil'n	20	8290/SOLID		10.000	g
21MR059D5	17	G55TH-1-AE	G5C120181-3D 10X Dil'n	20	8290/SOLID		10.000	g
21MR059D5	18	SB0321B	Solvent Blank C-14				1.000	
21MR059D5	19	ST0321A	CS3 2416-23C				1.000	
21MR059D5	20				logfile checked		1.000	
21MR059D5	21						1.000	
21MR059D5	22		SMA 03-21-05		03-22-05 SMA		1.000	
21MR059D5	23						1.000	
MR059D5	24						1.000	
21MR059D5	25						1.000	
21MR059D5	26						1.000	
21MR059D5	27						1.000	
21MR059D5	28						1.000	
21MR059D5	29						1.000	
21MR059D5	30						1.000	
21MR059D5	31						1.000	

03-21-05
SMA

Peak Locate Examination:21-MAR-2005:16:27 File:21MR059D5
Experiment:DIOXIN Function:1 Reference:PFK



1057

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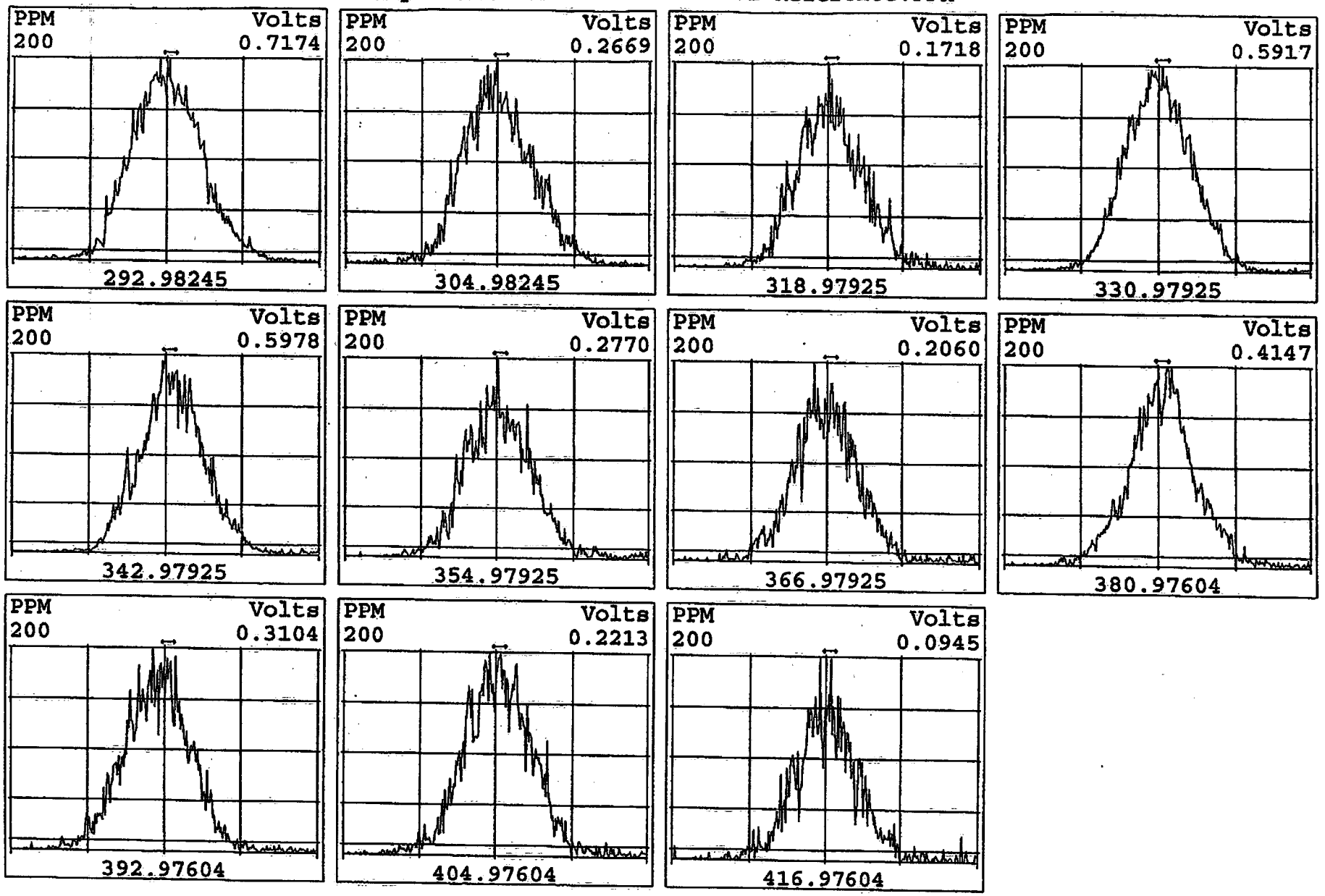
U855

Peak Locate Examination:22-MAR-2005:08:02 File:21MR059D5EDNRES
Experiment:DIOXIN Function:1 Reference:PFK



1058
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U855

Run: 21MR059D5 Analyte: 8290 Cal: 82901209049D5

ST1209 :CS3 2416-23A ST1209A :CS3 2416-23B ST1209B :CS3 2416-23C
ST1209C :CS3 2416-23D ST1209D :CS3 2416-23E

Name	Mean	S. D.	%RSD	09DE049D5 S1 RRF1	09DE049D5 S2 RRF2	09DE049D5 S3 RRF3	09DE049D5 S4 RRF4	09DE049D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.569	0.081	5.18 %	1.47	1.57	1.67	1.52	1.62
2,3,7,8-TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
Total TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
13C-2,3,7,8-TCDD	1.073	0.040	3.74 %	1.02	1.06	1.13	1.08	1.07
2,3,7,8-TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
Total TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
37Cl-2,3,7,8-TCDD	1.015	0.059	5.81 %	1.06	0.94	1.08	0.98	1.02
13C-1,2,3,7,8-PeCDF	1.263	0.055	4.33 %	1.17	1.27	1.30	1.27	1.31
1,2,3,7,8-PeCDF	0.817	0.031	3.76 %	0.84	0.79	0.84	0.84	0.78
2,3,4,7,8-PeCDF	0.842	0.031	3.67 %	0.85	0.81	0.88	0.86	0.81
Total F2 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
Total F1 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
13C-1,2,3,7,8-PeCDD	0.801	0.034	4.29 %	0.76	0.79	0.83	0.79	0.84
1,2,3,7,8-PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
Total PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.035	0.052	5.03 %	0.98	1.04	1.12	1.01	1.03
1,2,3,4,7,8-HxCDF	1.042	0.038	3.62 %	1.08	1.01	1.01	1.08	1.02
1,2,3,6,7,8-HxCDF	1.087	0.047	4.31 %	1.14	1.06	1.06	1.13	1.04
2,3,4,6,7,8-HxCDF	1.001	0.034	3.45 %	1.02	0.95	0.98	1.04	1.01
1,2,3,7,8,9-HxCDF	0.950	0.042	4.42 %	1.00	0.92	0.91	0.99	0.92
Total HxCDF	1.020	0.038	3.74 %	1.06	0.99	0.99	1.06	1.00
13C-1,2,3,6,7,8-HxCDD	0.855	0.018	2.06 %	0.83	0.85	0.87	0.86	0.87
1,2,3,4,7,8-HxCDD	0.933	0.038	4.09 %	0.97	0.89	0.96	0.94	0.90

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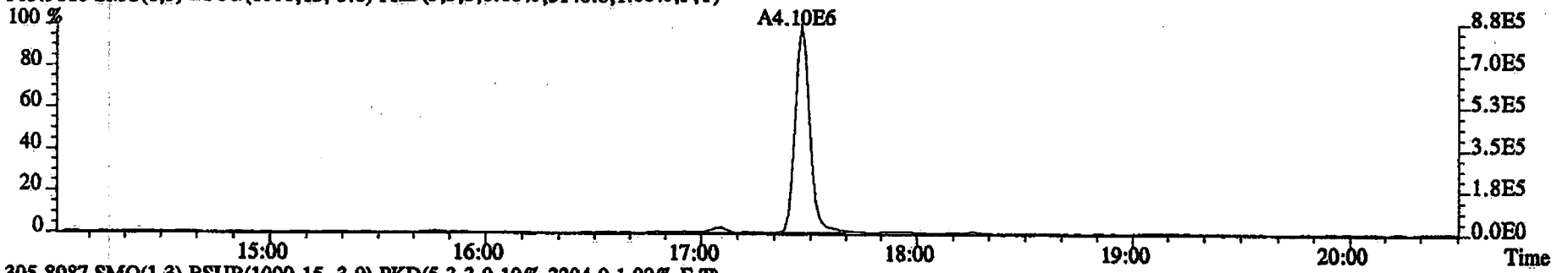
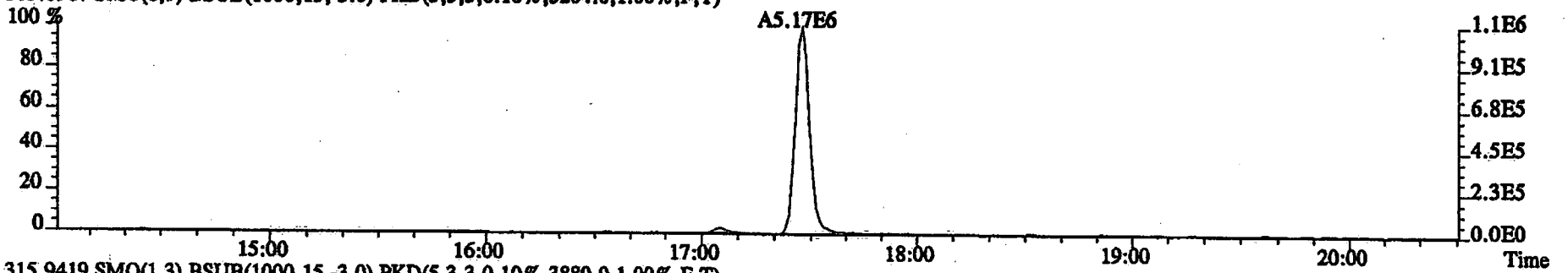
1,2,3,6,7,8-HxCDD	0.978	0.027	2.80 %	0.98	0.98	0.98	1.01	0.93
1,2,3,7,8,9-HxCDD	1.006	0.035	3.45 %	1.03	1.00	1.03	1.02	0.95
Total HxCDD	0.972	0.030	3.04 %	1.00	0.96	0.99	0.99	0.93
13C-1,2,3,4,6,7,8-HpCDF	0.966	0.019	1.96 %	0.96	0.96	1.00	0.96	0.95
1,2,3,4,6,7,8-HpCDF	1.133	0.029	2.53 %	1.16	1.13	1.13	1.15	1.09
1,2,3,4,7,8,9-HpCDF	1.029	0.038	3.64 %	1.08	1.01	1.03	1.04	0.98
Total HpCDF	1.081	0.032	3.00 %	1.12	1.07	1.08	1.09	1.03
13C-1,2,3,4,6,7,8-HpCDD	0.976	0.038	3.87 %	1.01	0.99	1.01	0.94	0.93
1,2,3,4,6,7,8-HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
Total HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
13C-OCDD	0.925	0.020	2.21 %	0.95	0.93	0.93	0.90	0.91
OCDF	1.031	0.026	2.53 %	1.03	1.01	1.01	1.08	1.03
OCDD	0.913	0.045	4.89 %	0.97	0.91	0.87	0.94	0.87

File:21MR059D5 #1-404 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

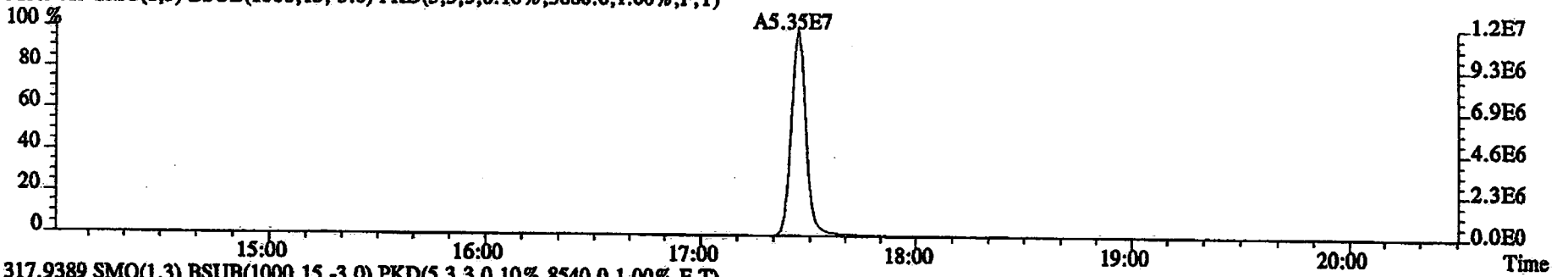
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



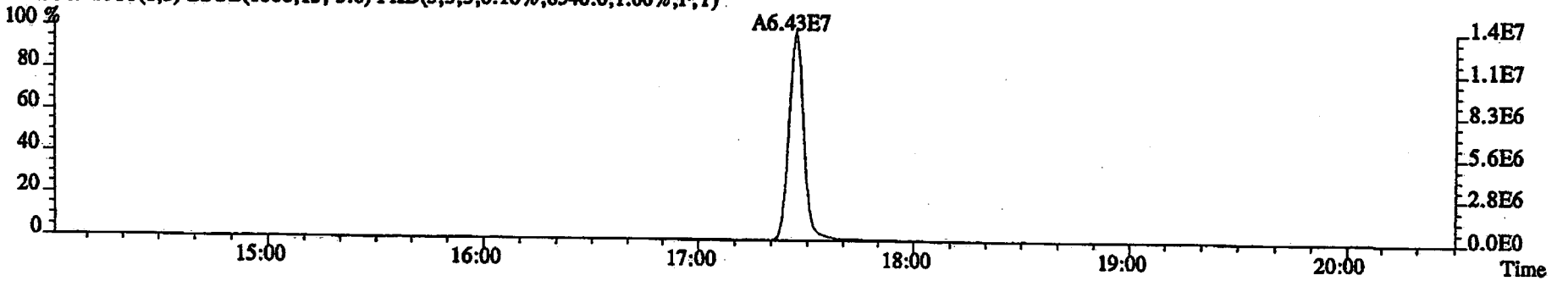
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3204.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)



317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8540.0,1.00%,F,T)



1061
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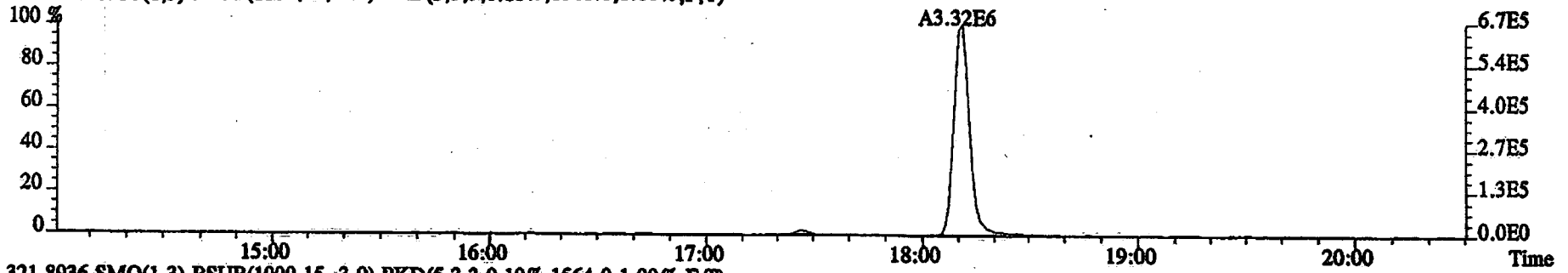
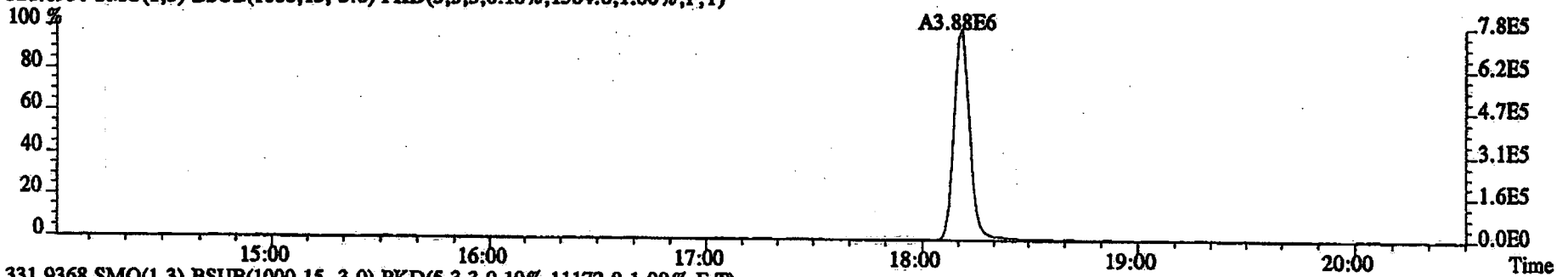
File:21MR059D5 #1-404 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

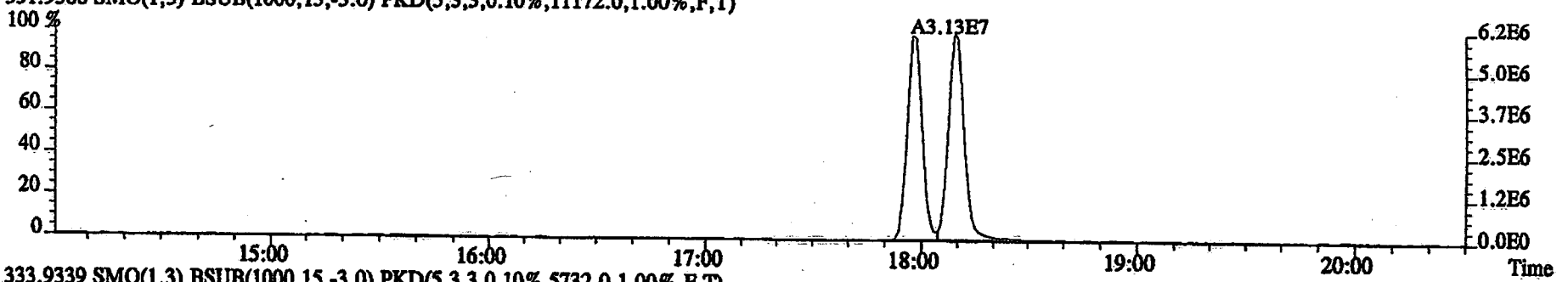
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1348.0,1.00%,F,T)



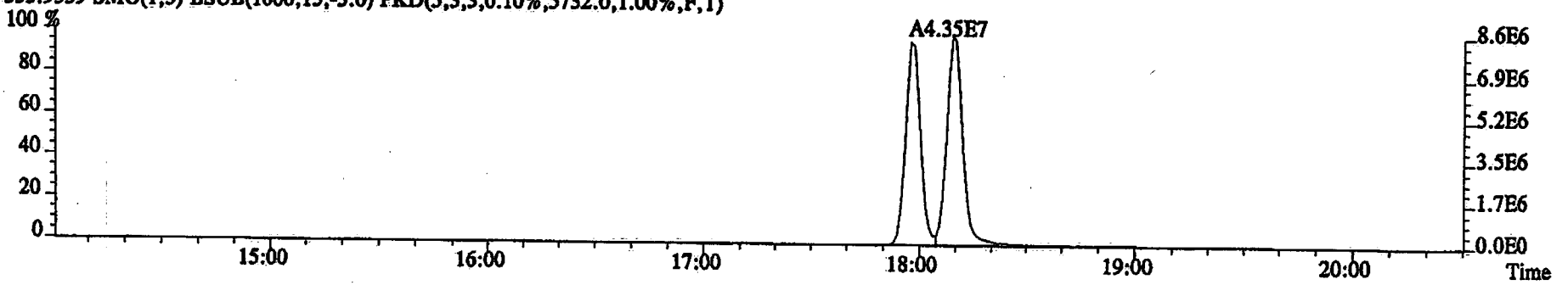
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1564.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11172.0,1.00%,F,T)



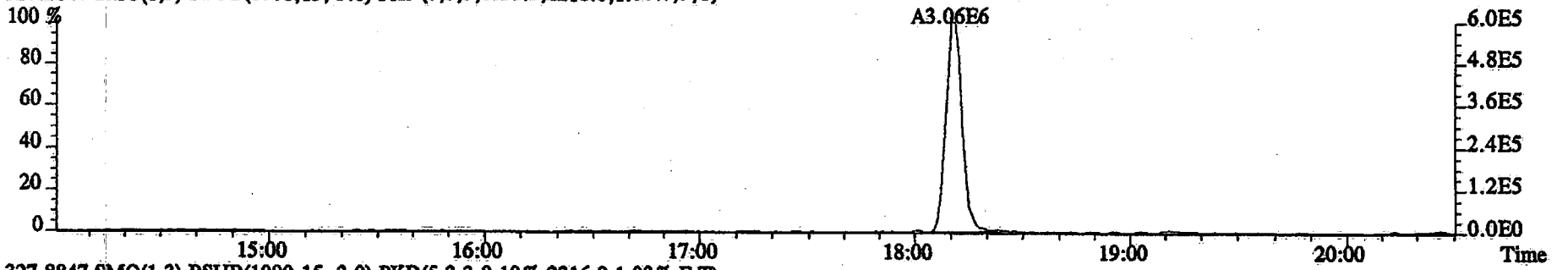
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5732.0,1.00%,F,T)



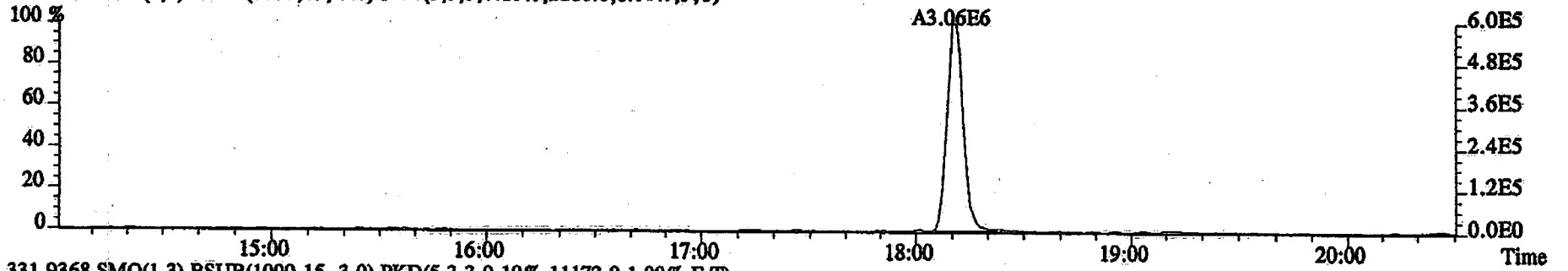
1062
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

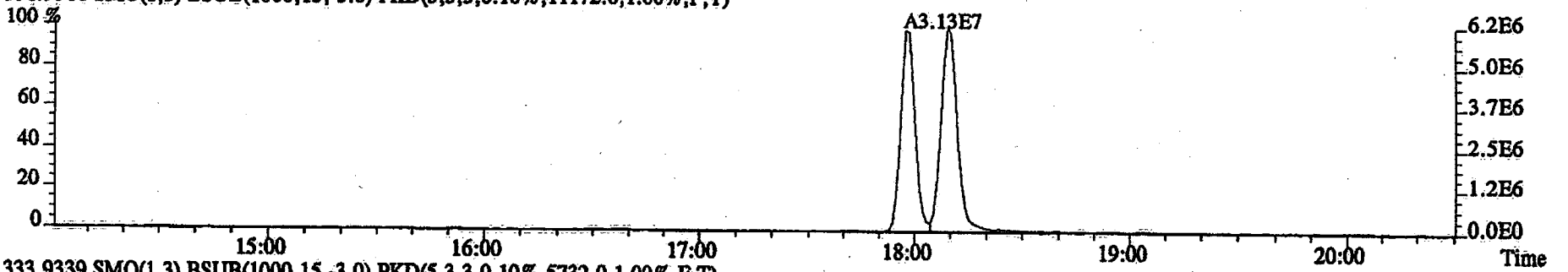
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



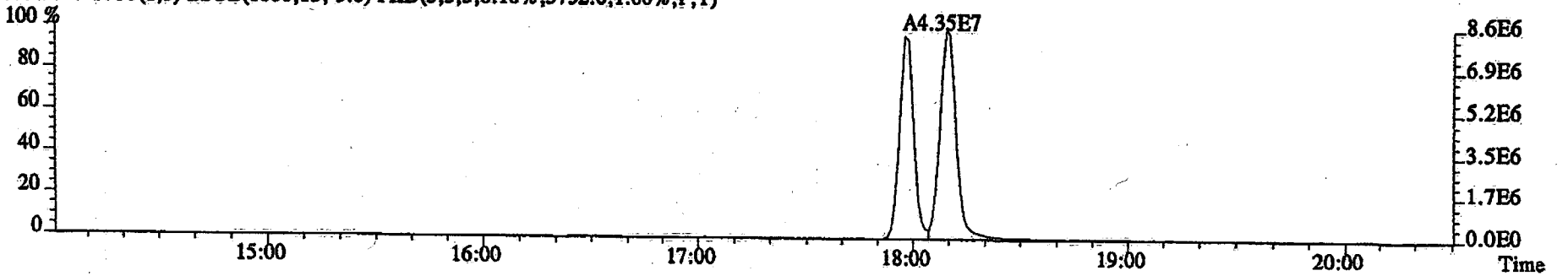
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11172.0,1.00%,F,T)



333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5732.0,1.00%,F,T)



1063
STL Edison
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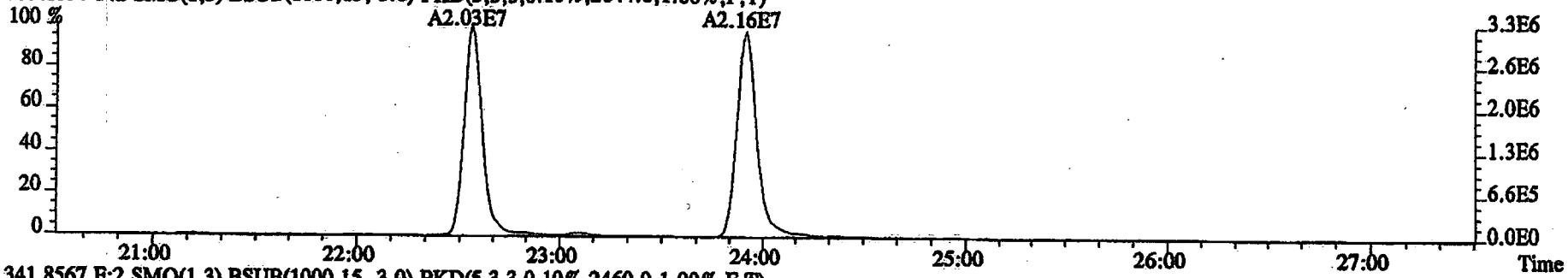
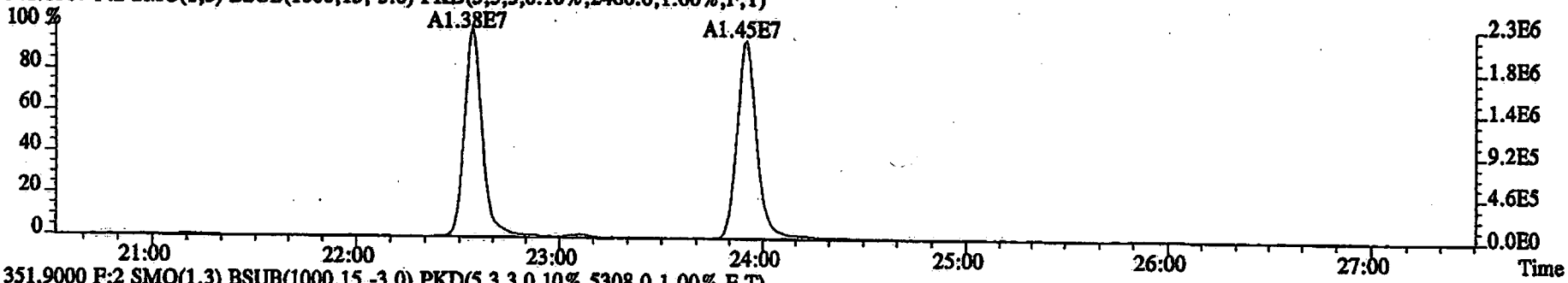
File:21MR059D5 #1-557 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

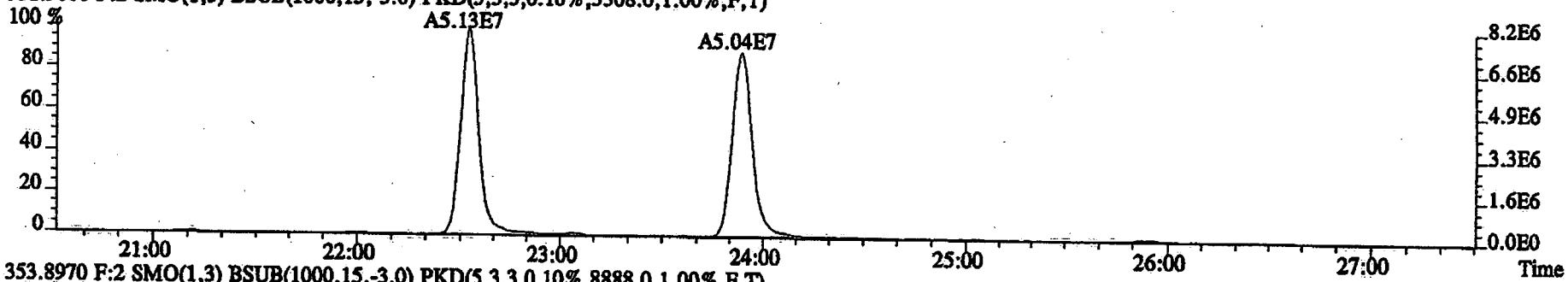
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)



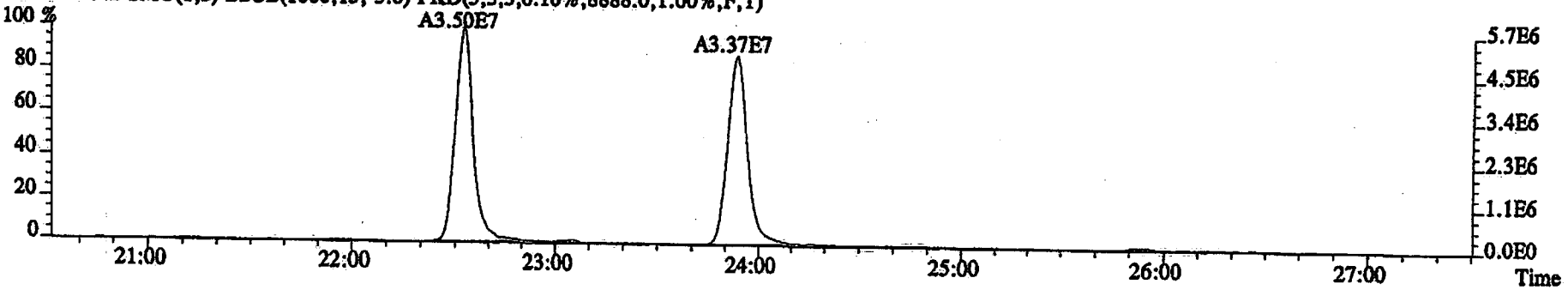
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T)



351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5308.0,1.00%,F,T)



353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)



1064
STL Edison
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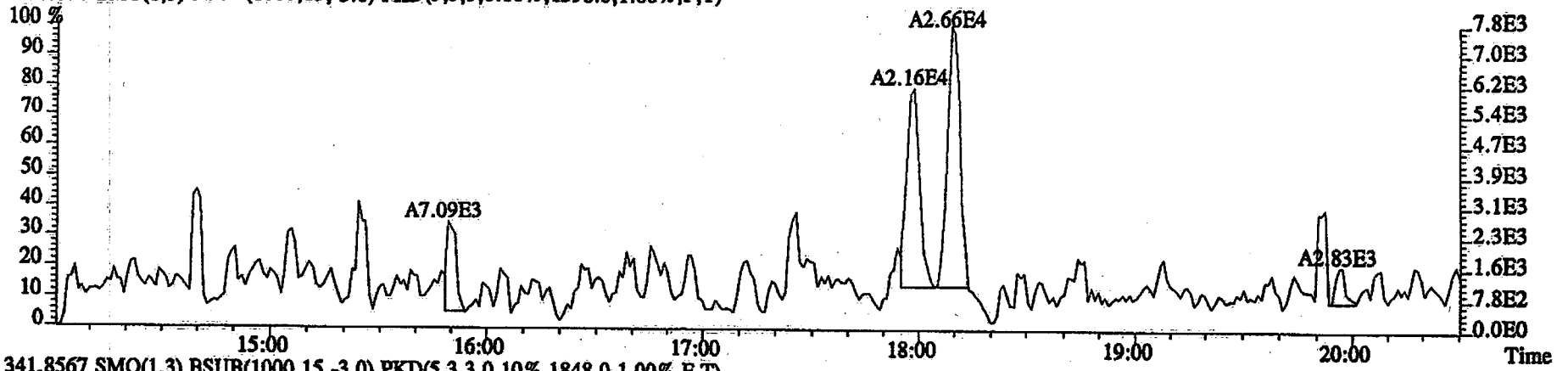
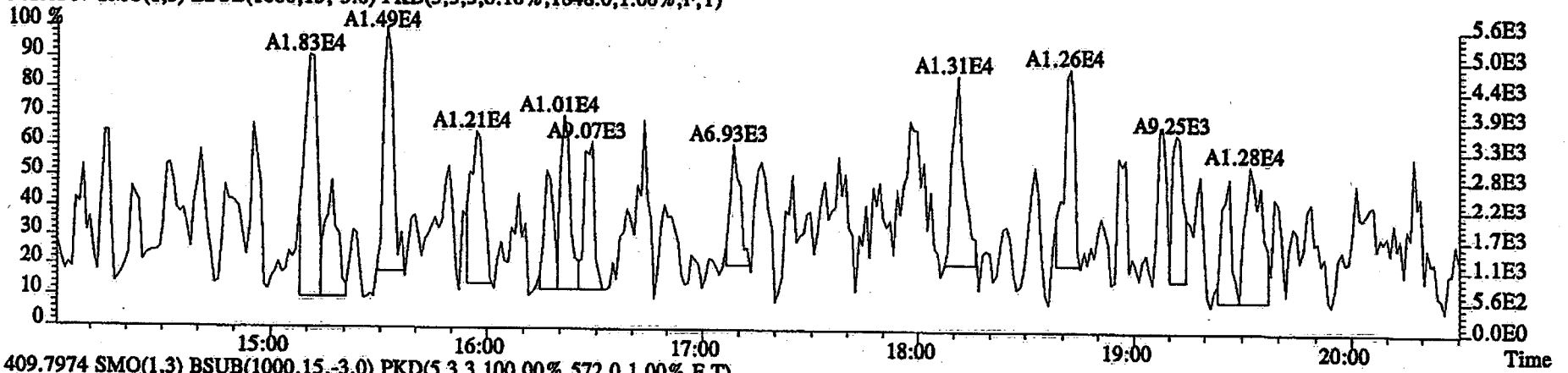
File:21MR059D5 #1-404 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

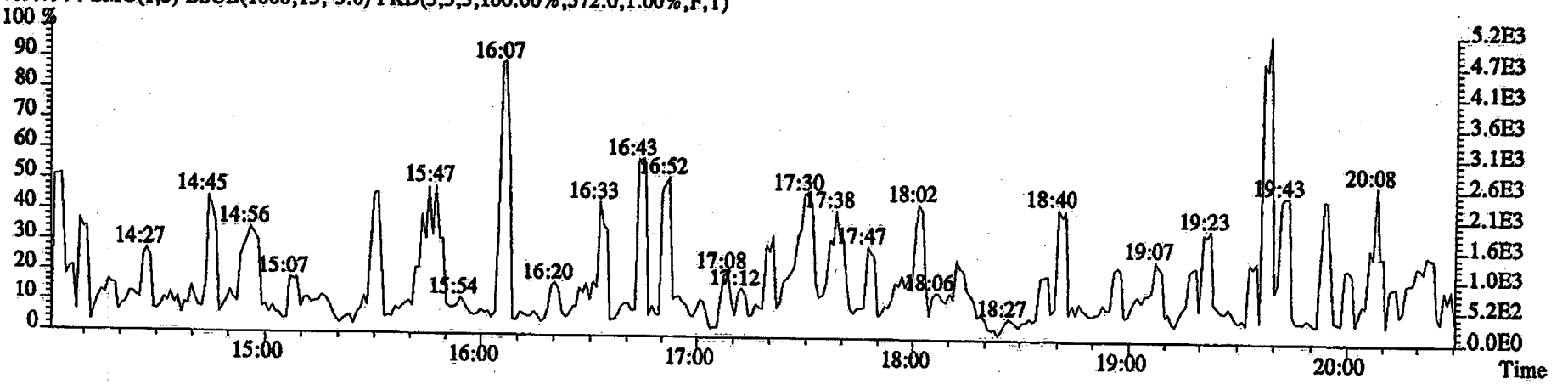
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1396.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1848.0,1.00%,F,T)



409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,572.0,1.00%,F,T)



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STL Edison

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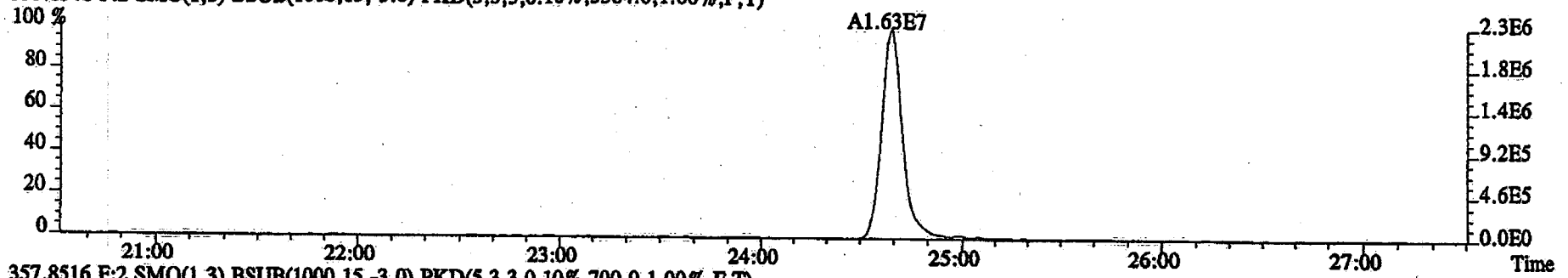
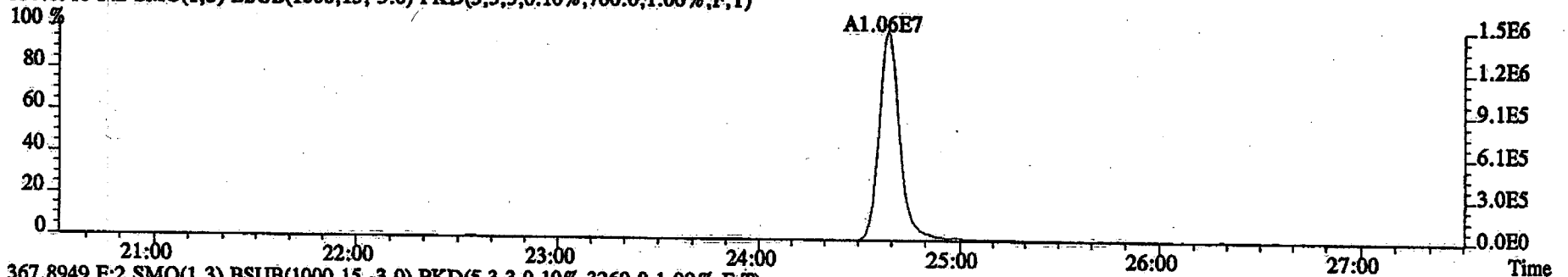
File:21MR059D5 #1-557 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

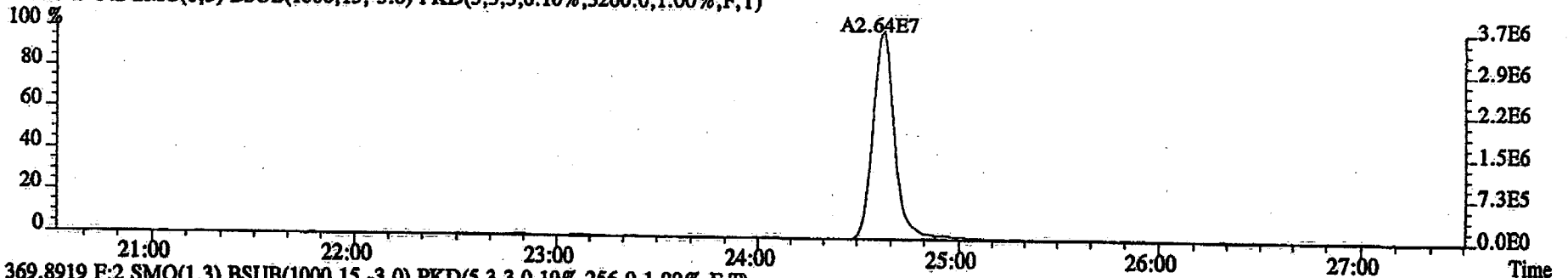
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3364.0,1.00%,F,T)



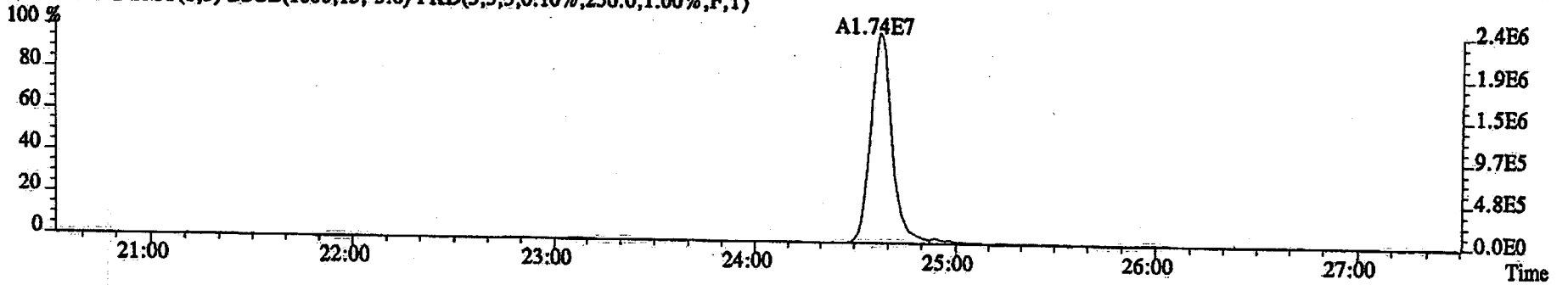
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3260.0,1.00%,F,T)



369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,256.0,1.00%,F,T)



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STL Edison

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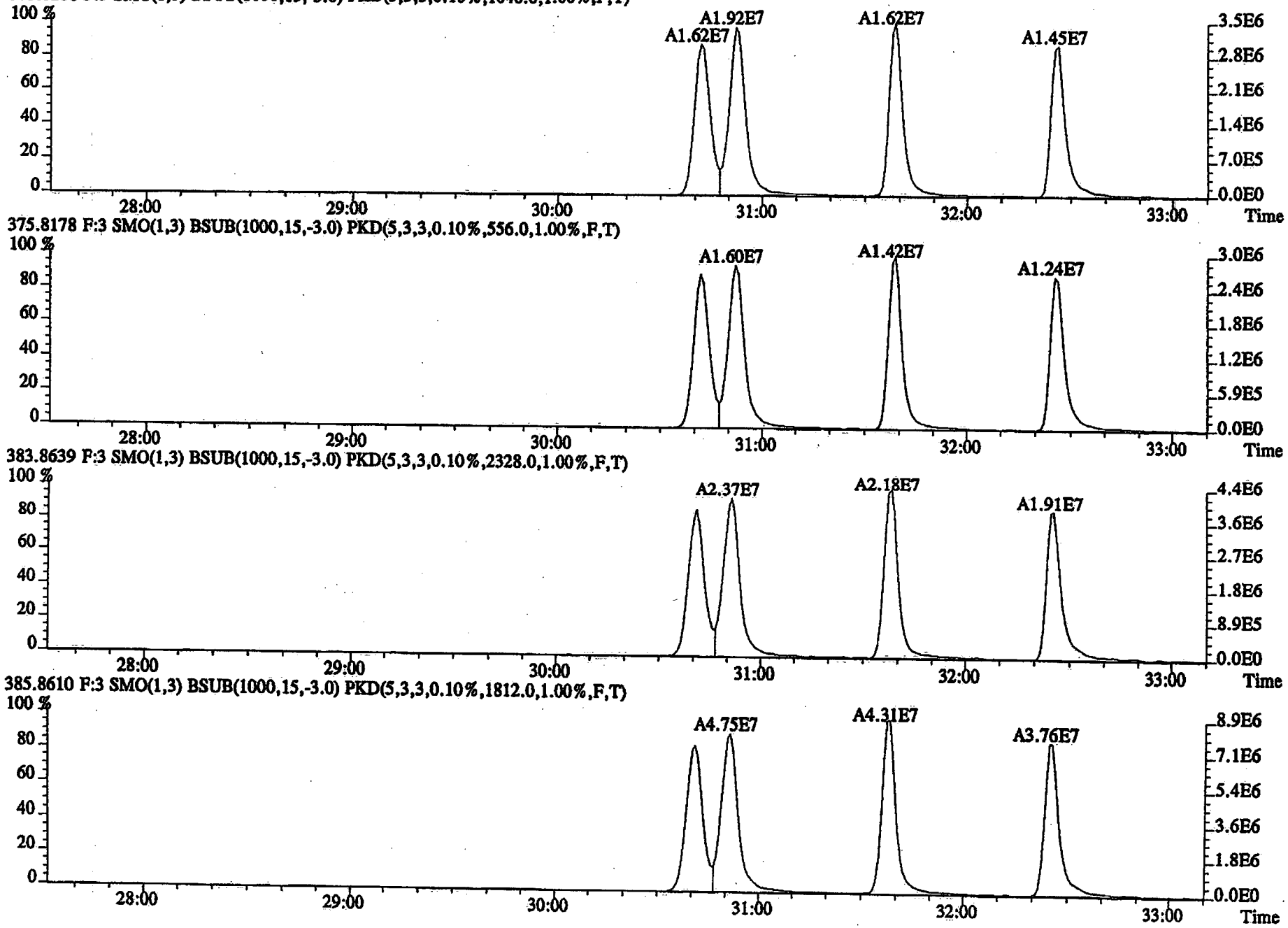
File:21MR059D5 #1-427 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN



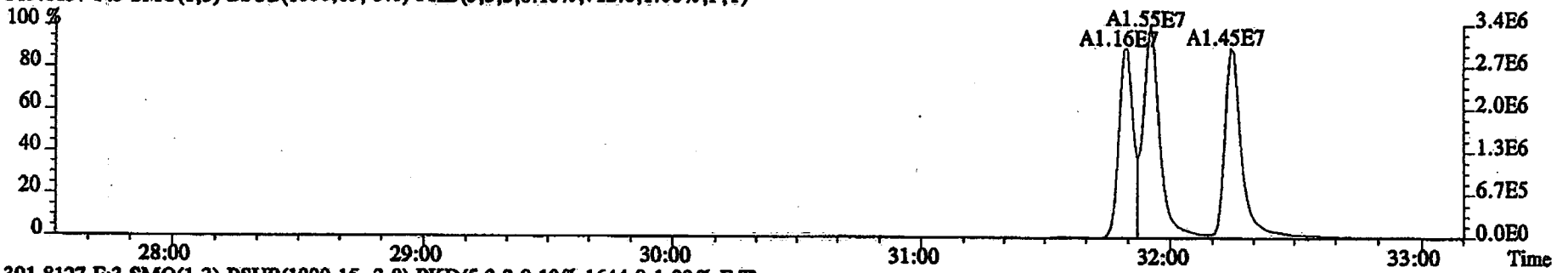
1067

STL Edison

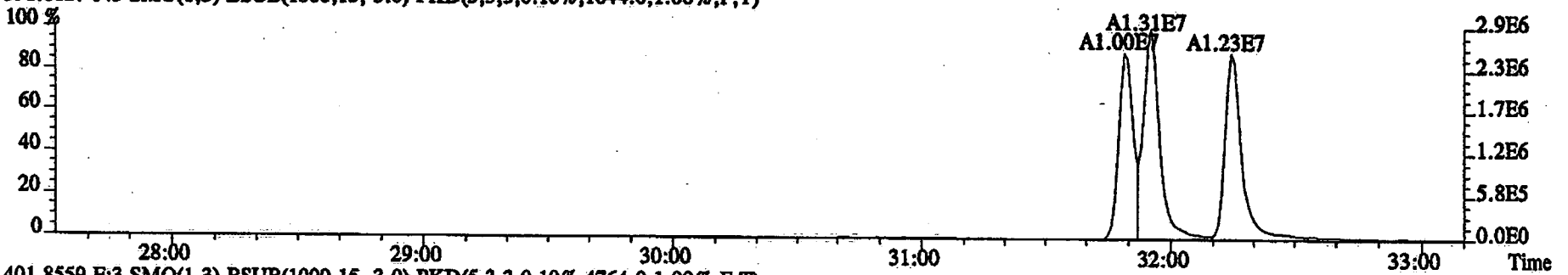
U855

File:21MR059D5 #1-427 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

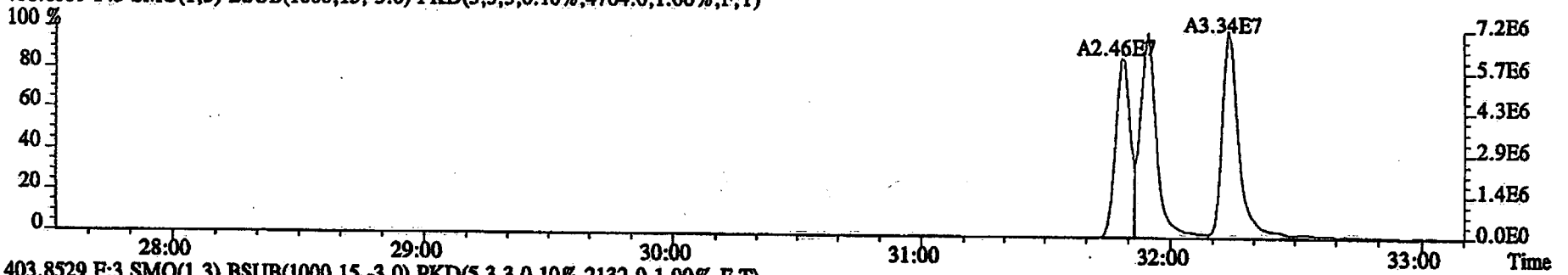
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



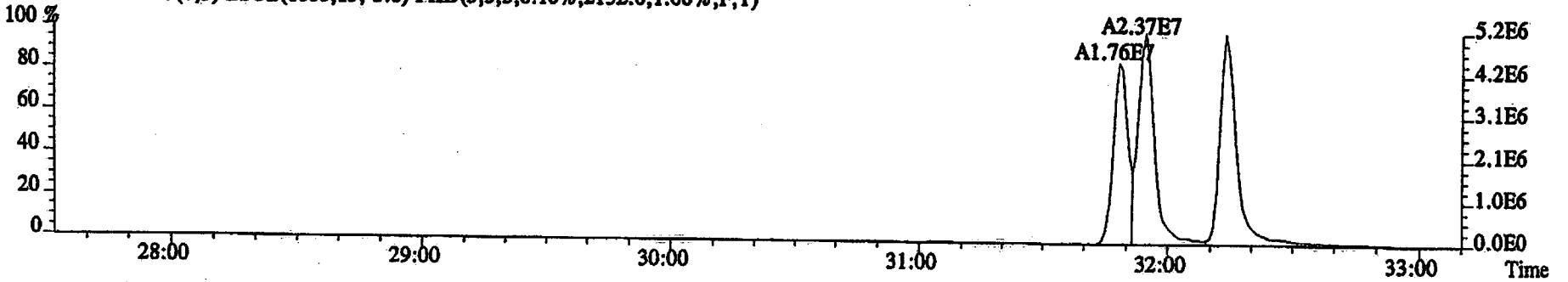
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4764.0,1.00%,F,T)



403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)



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STL Edison
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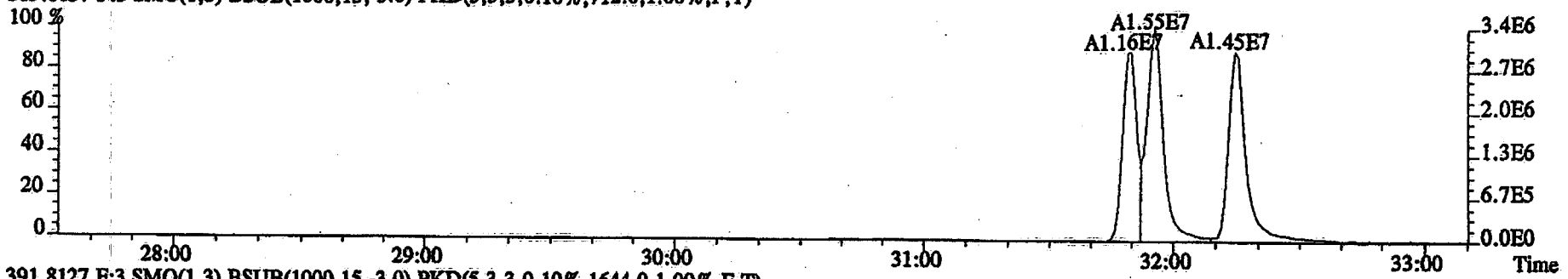
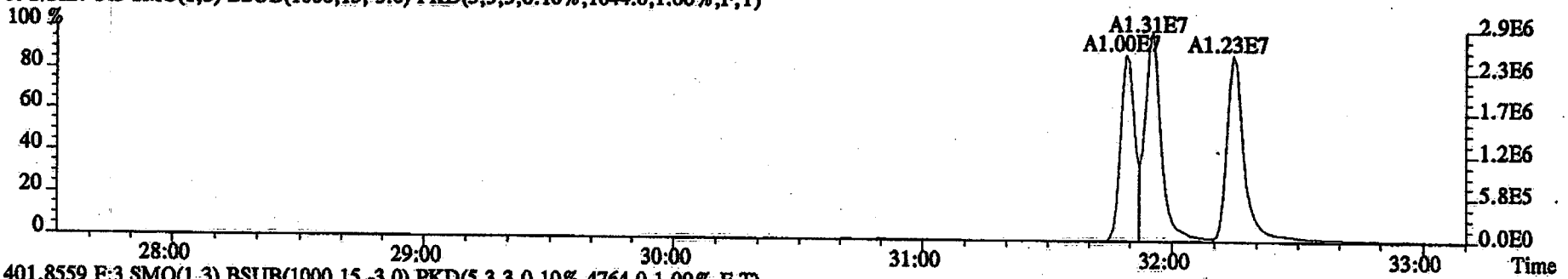
File:21MR059D5 #1-427 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

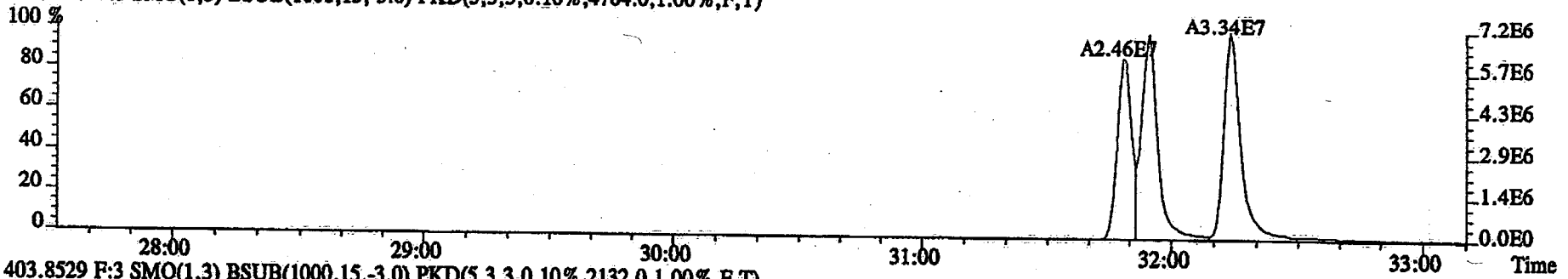
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



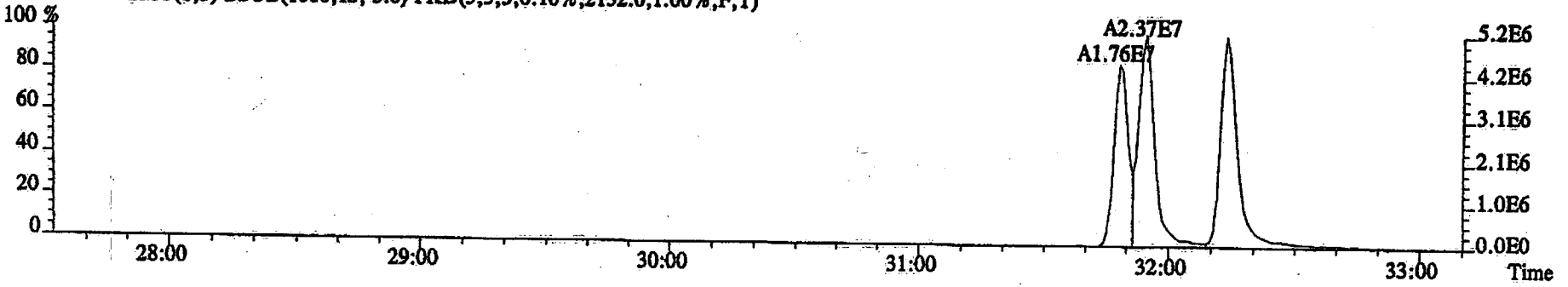
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4764.0,1.00%,F,T)



403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)



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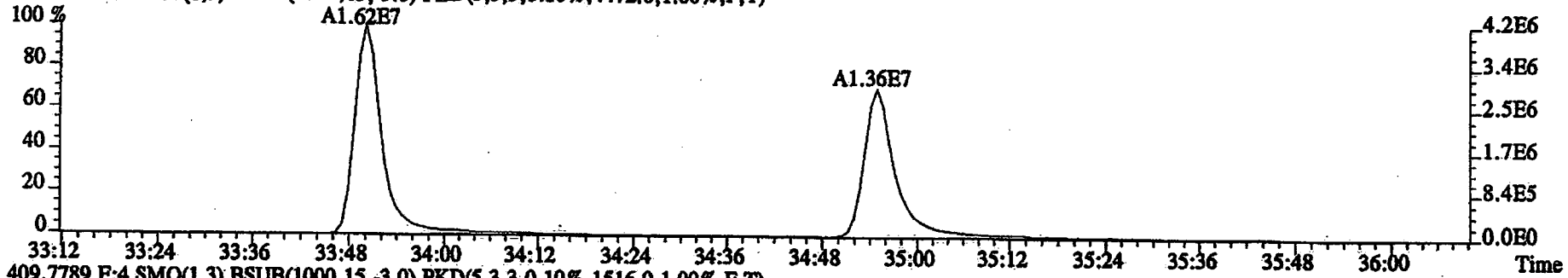
STL Edison

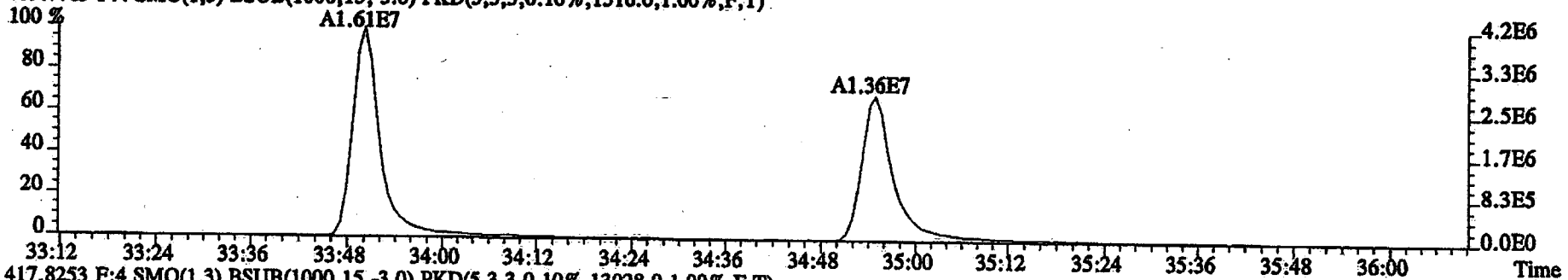
U855

File:21MR059D5 #1-238 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

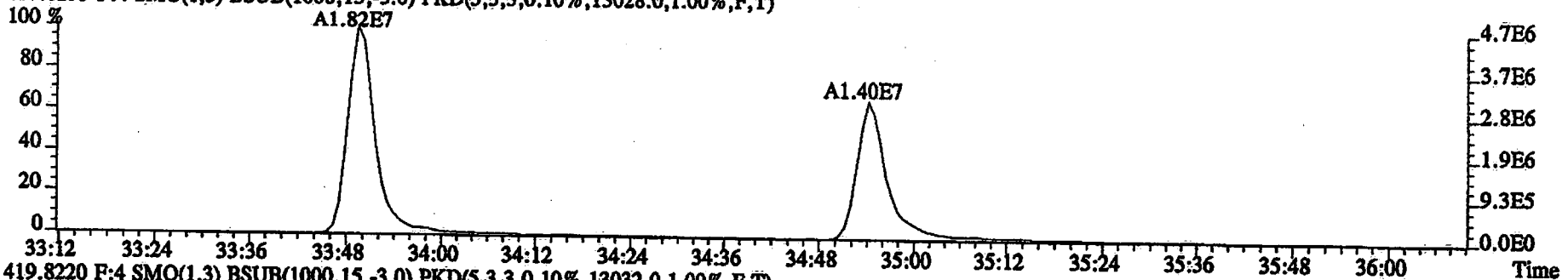
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)



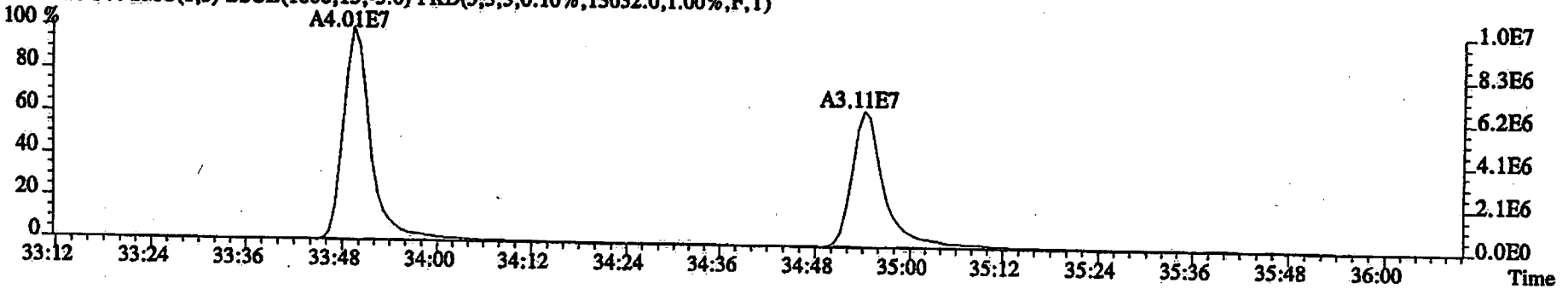
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)



417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13028.0,1.00%,F,T)



419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13032.0,1.00%,F,T)



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STL Edison

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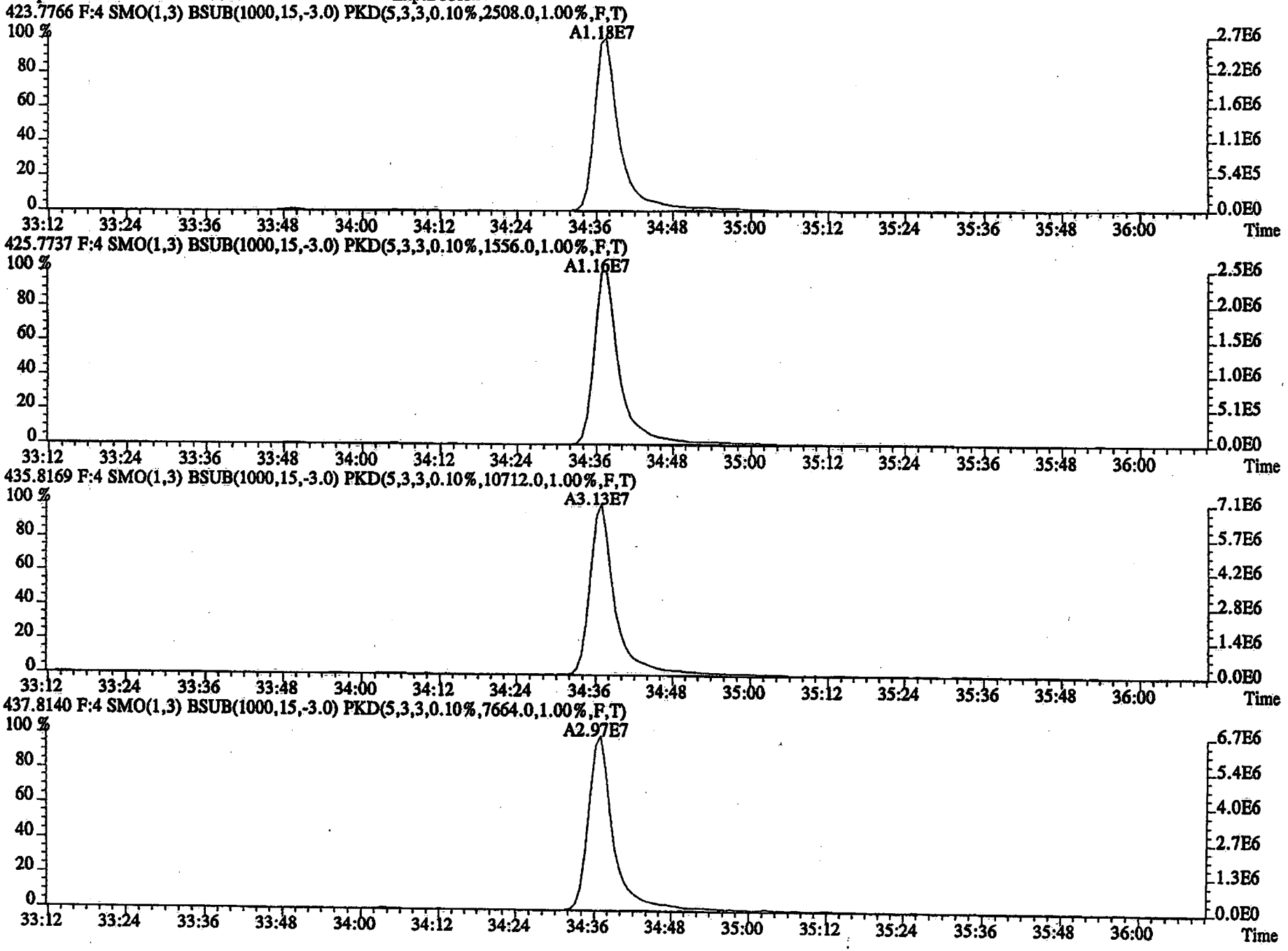
File:21MR059D5 #1-238 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN



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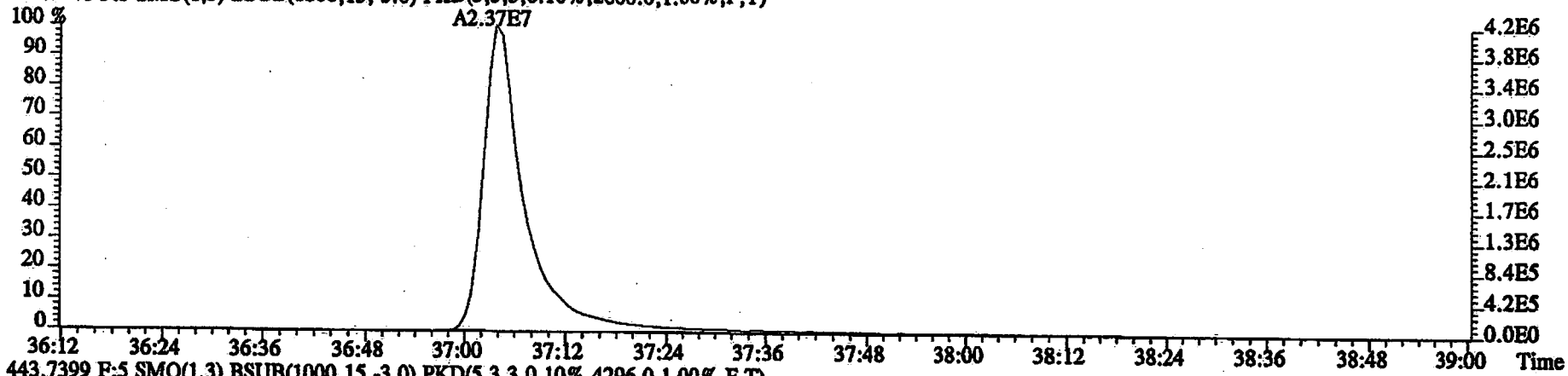
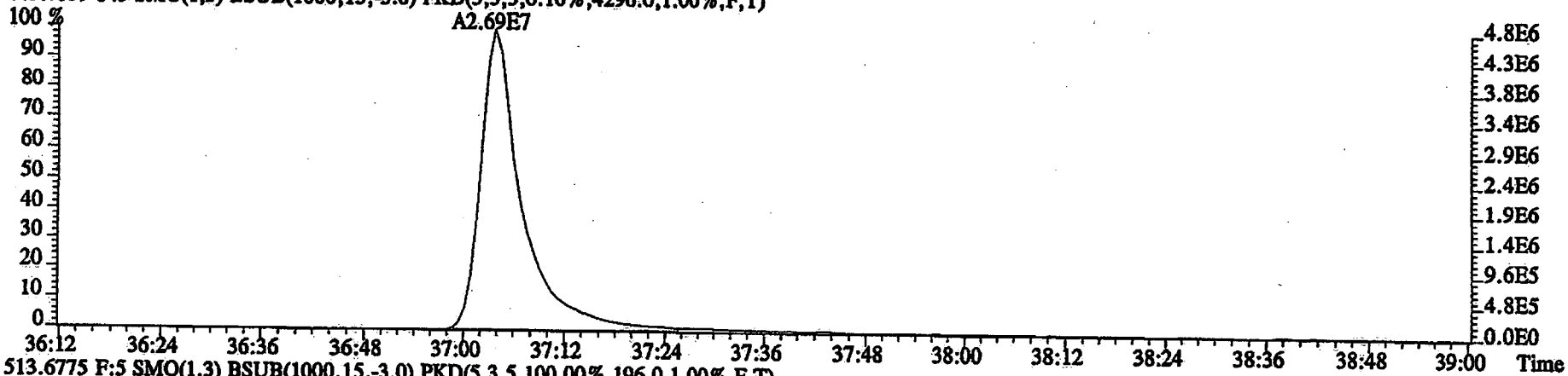
STL Edison

U855

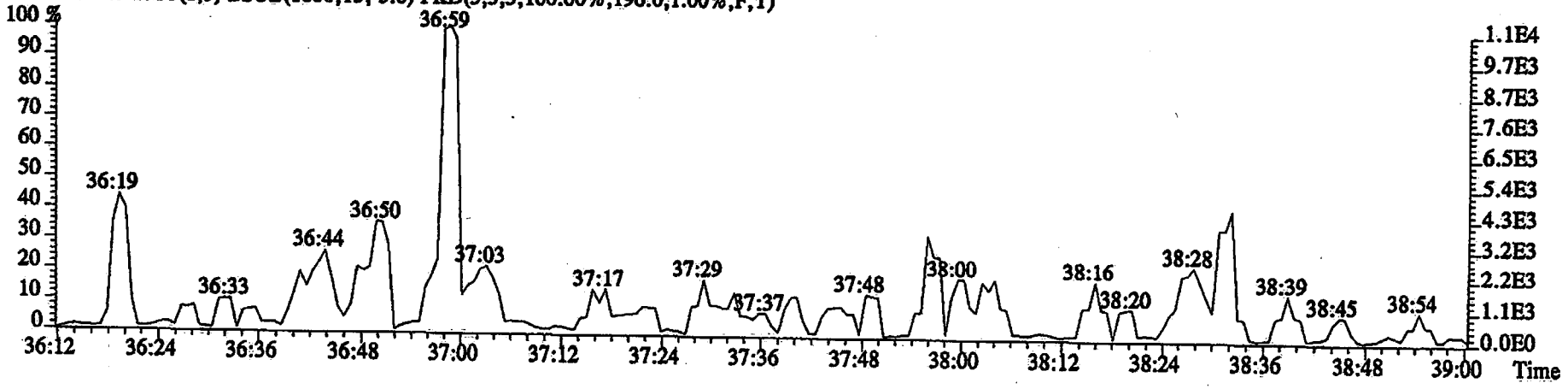
File:21MR059D5 #1-228 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4296.0,1.00%,F,T)



513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,196.0,1.00%,F,T)



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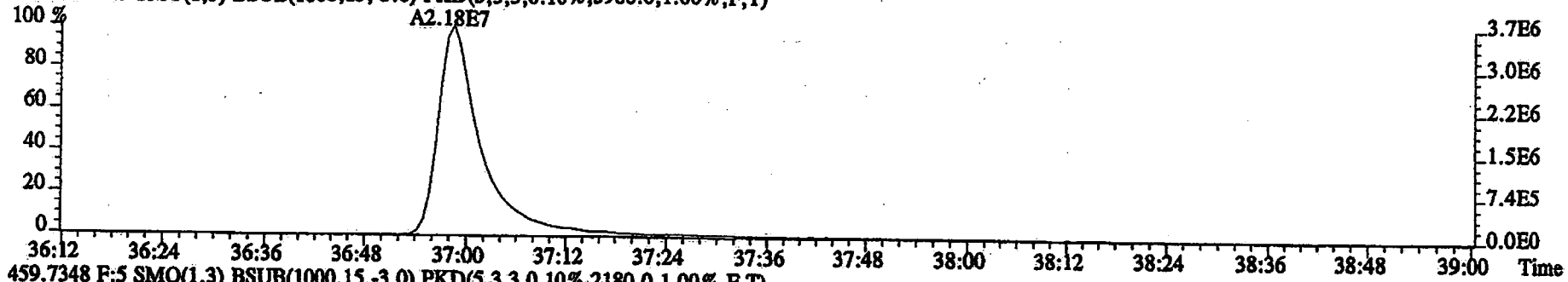
STL Edison

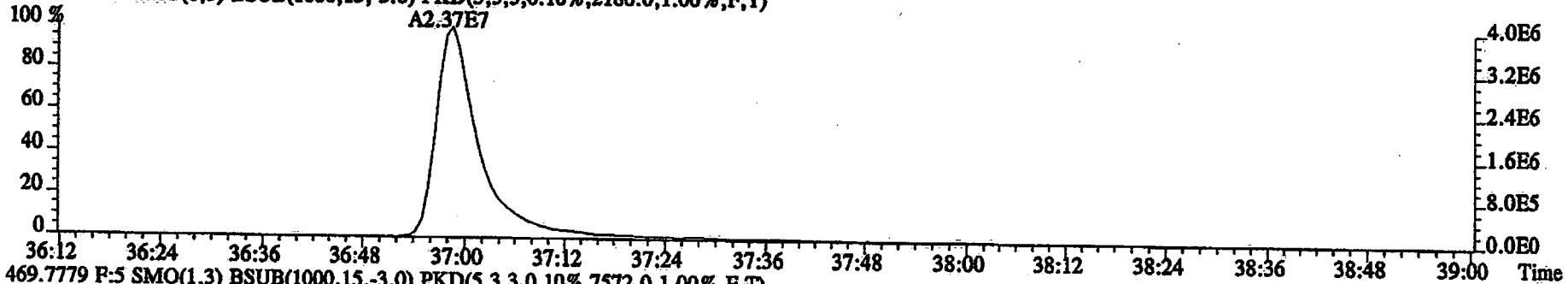
U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

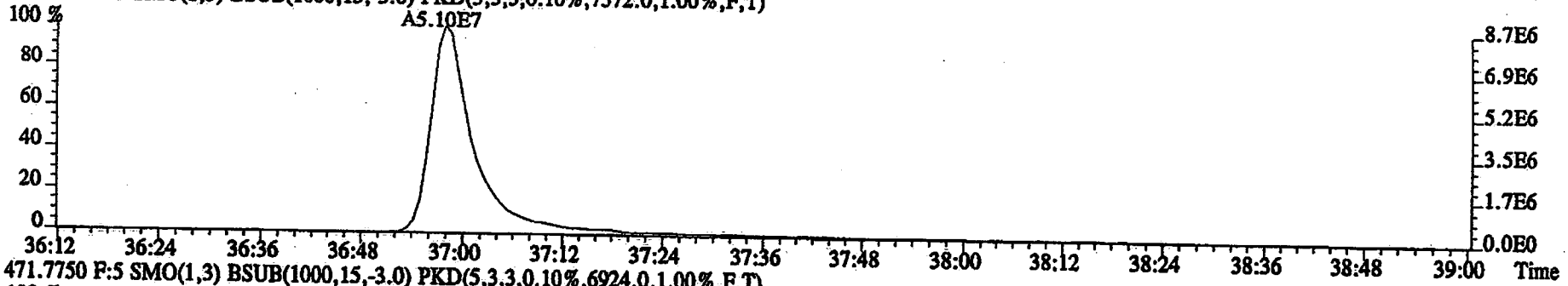
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)



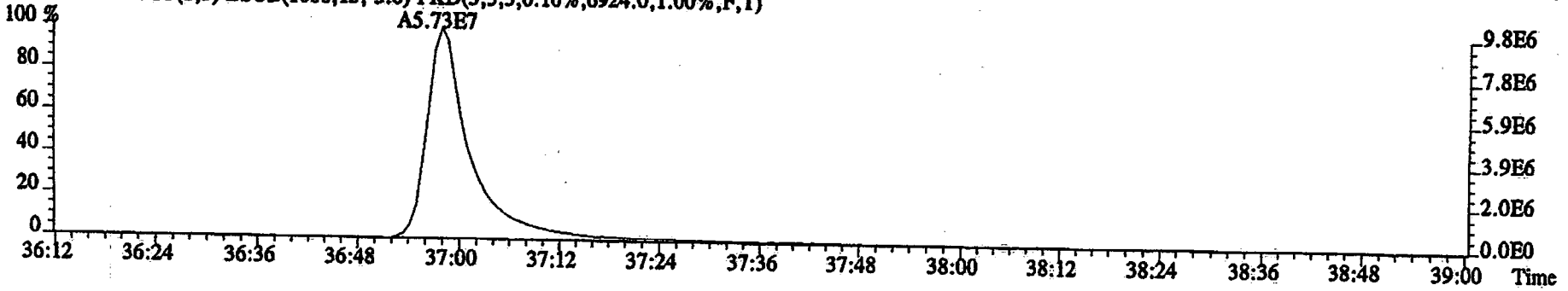
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7572.0,1.00%,F,T)



471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6924.0,1.00%,F,T)



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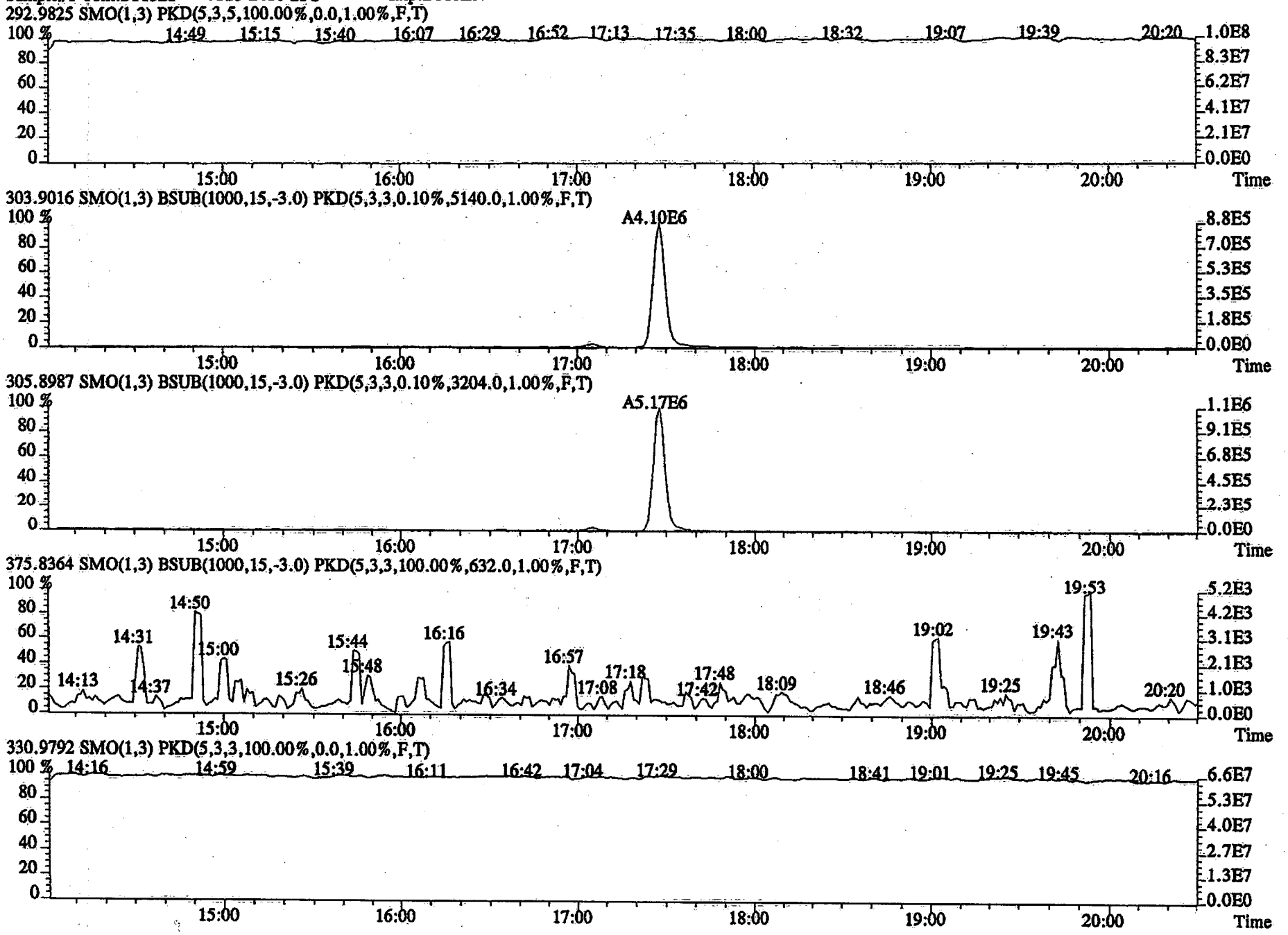
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN



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STL Edison

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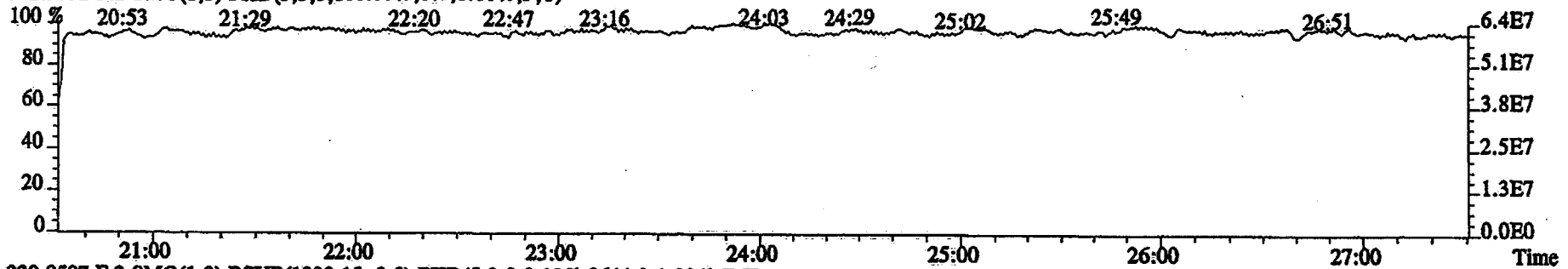
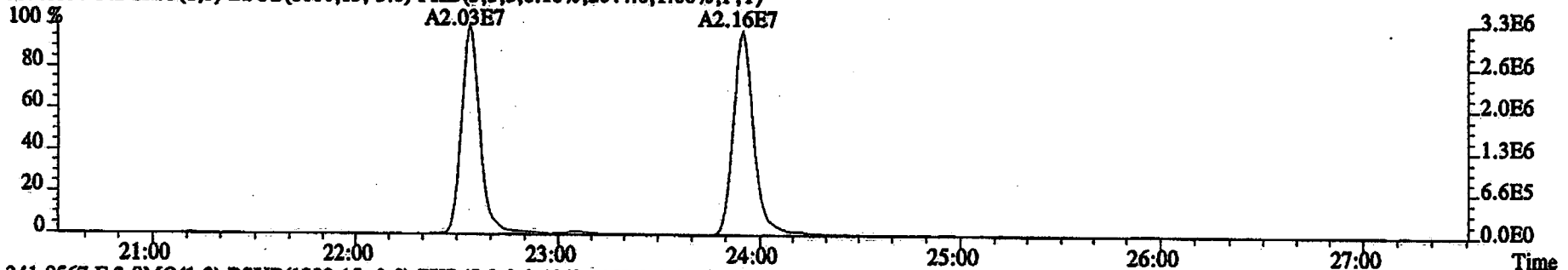
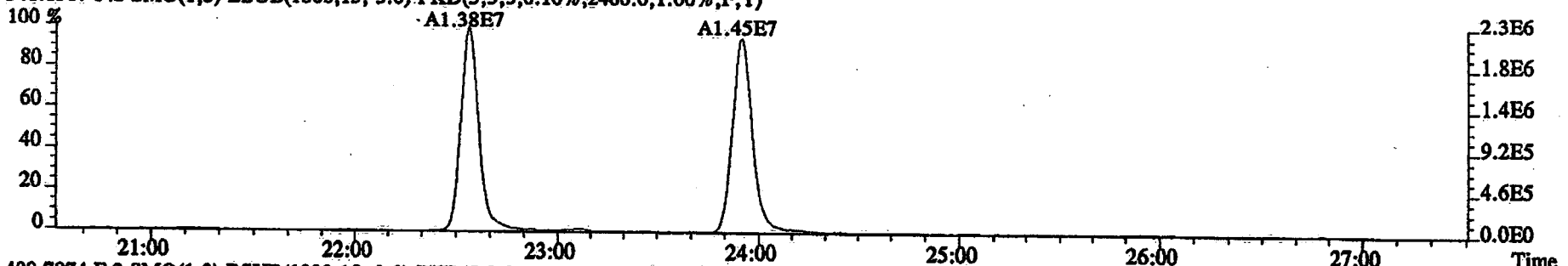
File:21MR059D5 #1-557 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



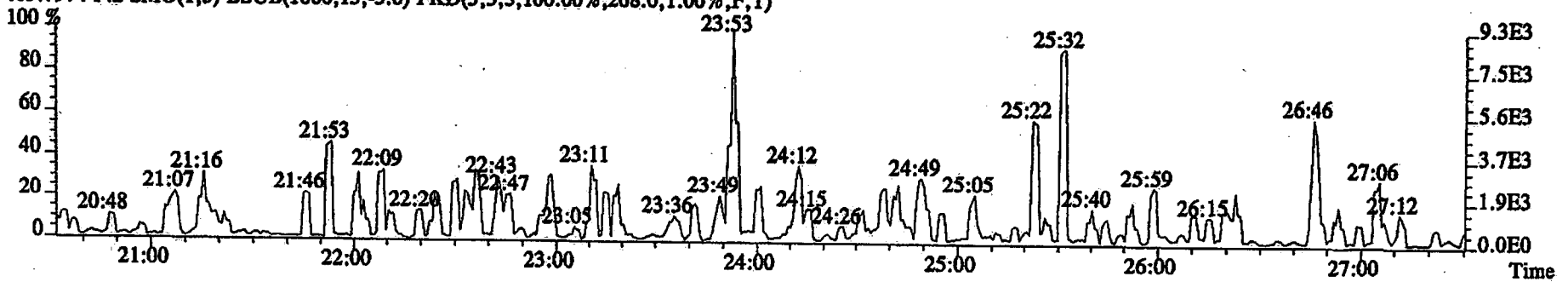
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)



341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T)



409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,268.0,1.00%,F,T)



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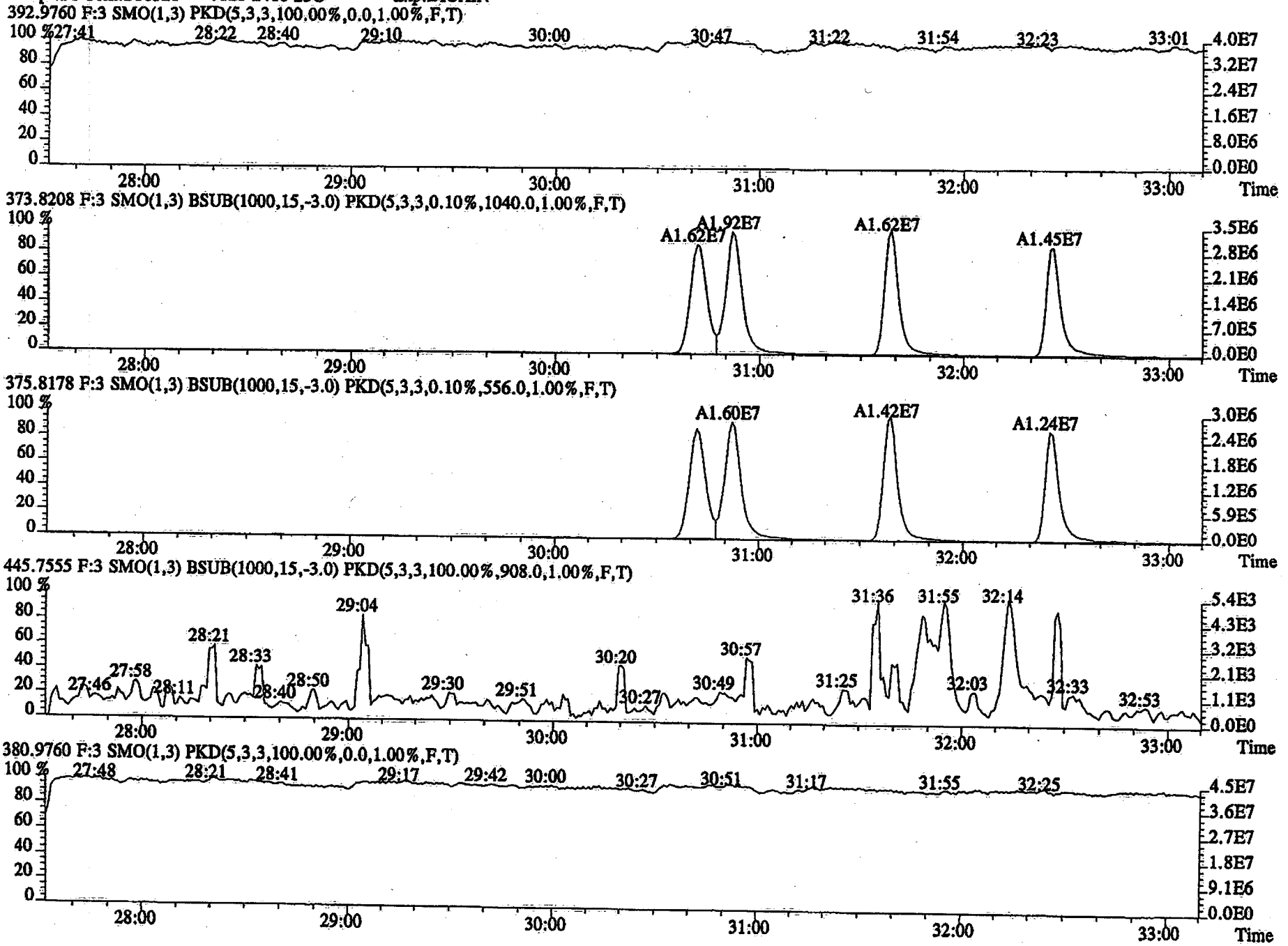
STL Edison

U855

File:21MR059D5 #1-427 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN

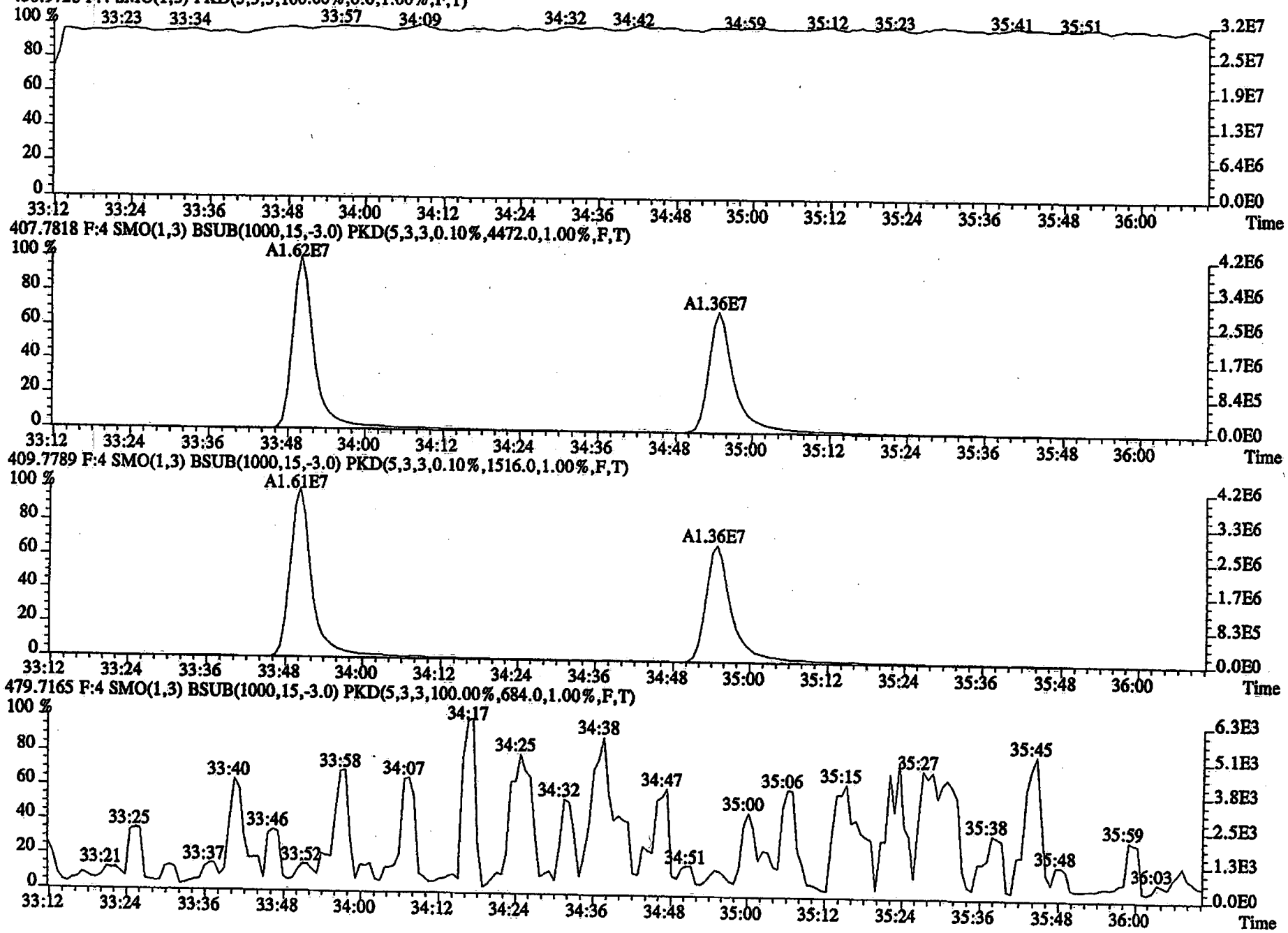


1076

STL Edison

U855

File:21MR059D5 #1-238 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN



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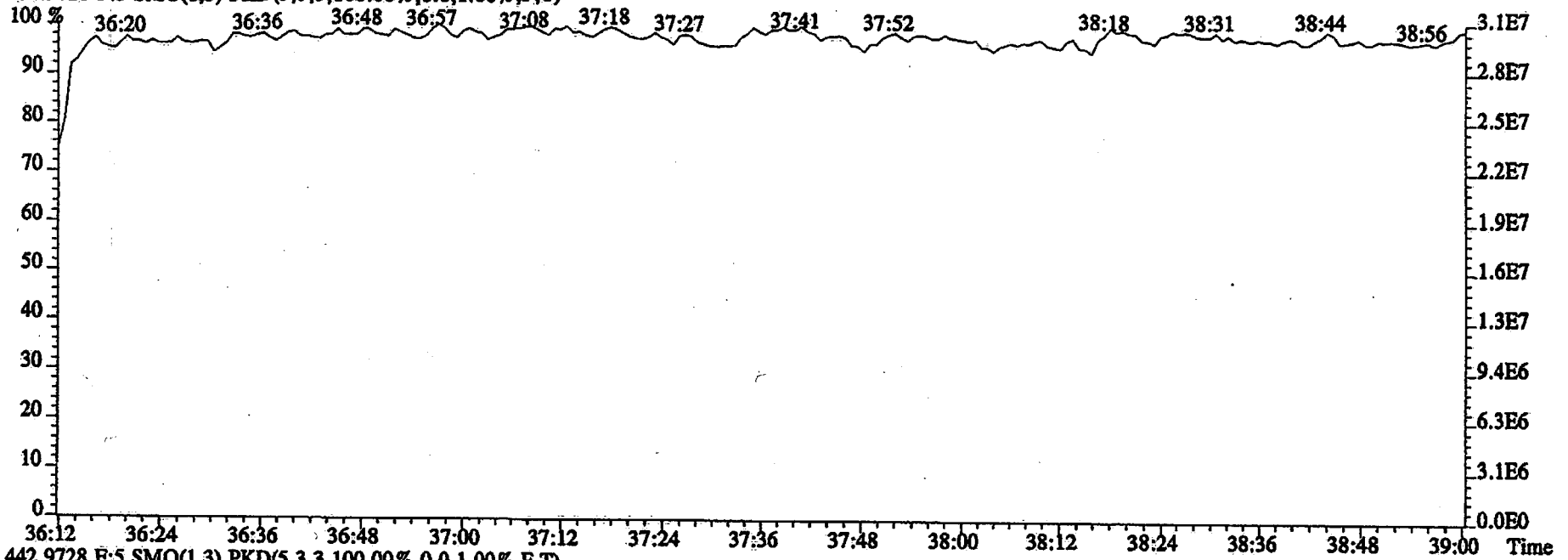
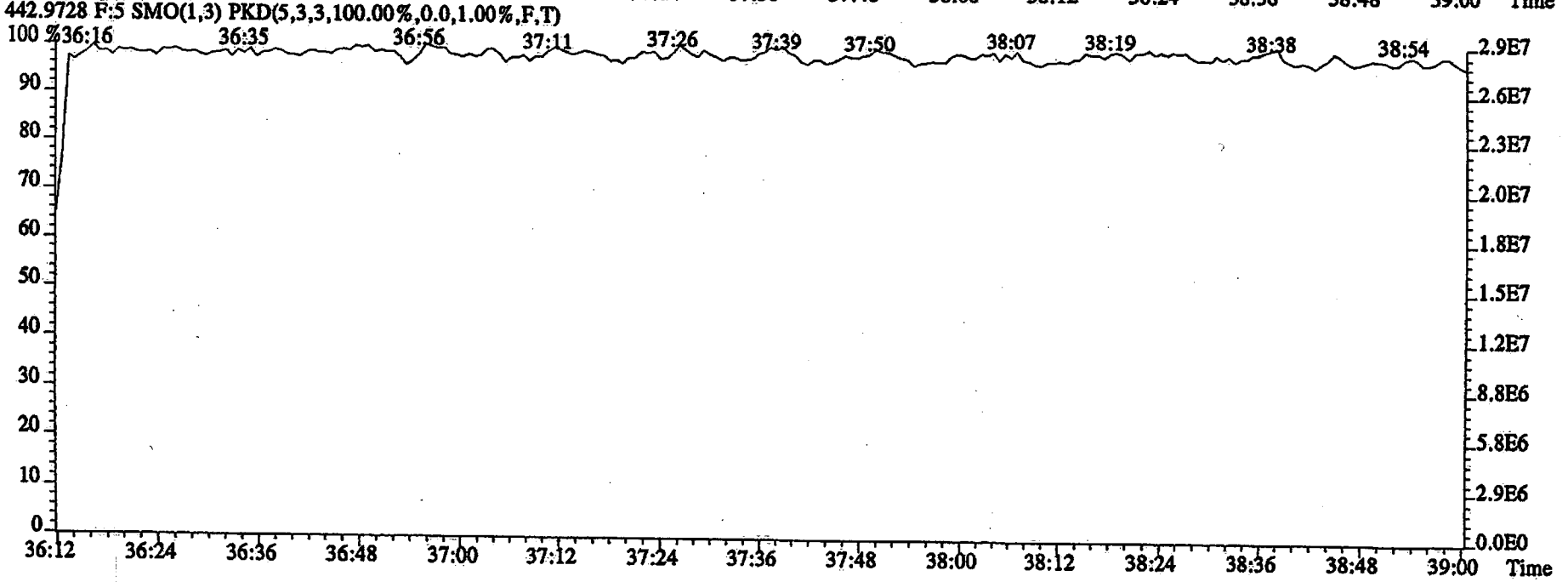
STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 16:29:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0321 :CS3 2416-23C Exp:DIOXIN
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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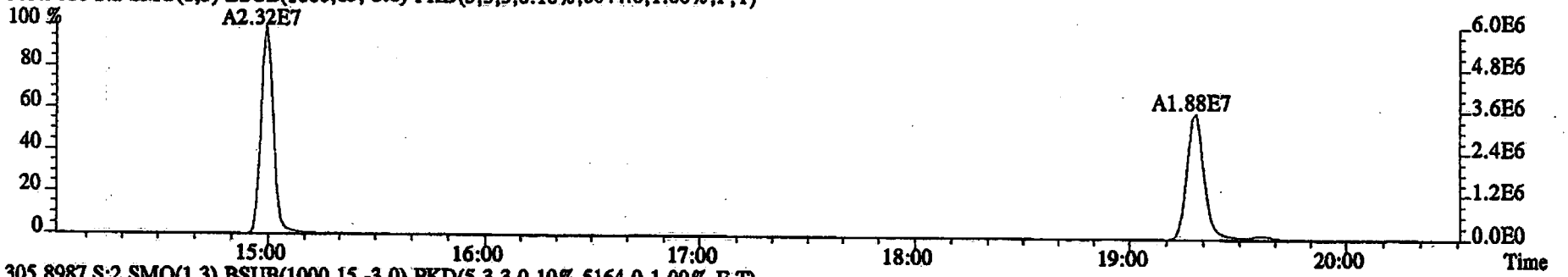
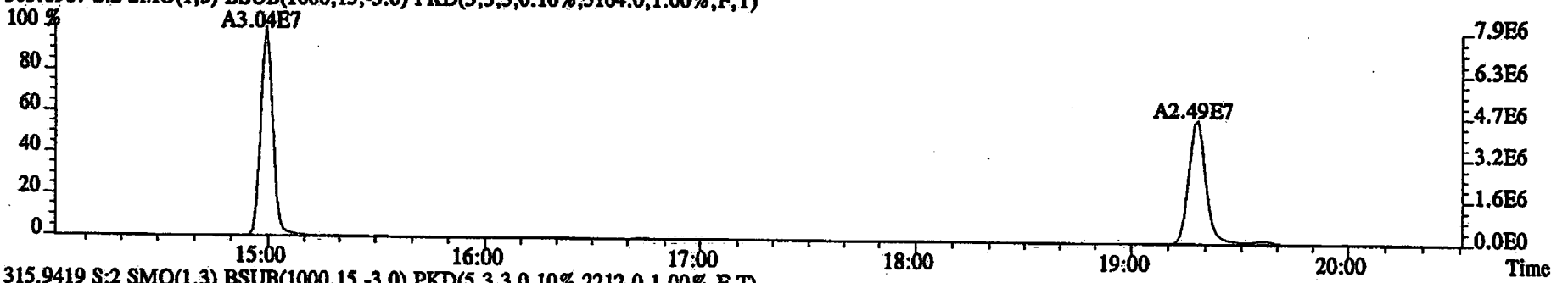
File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

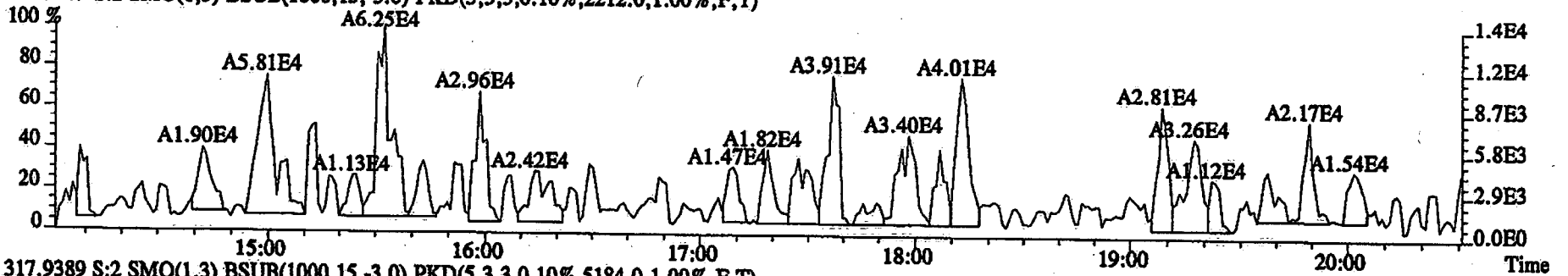
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



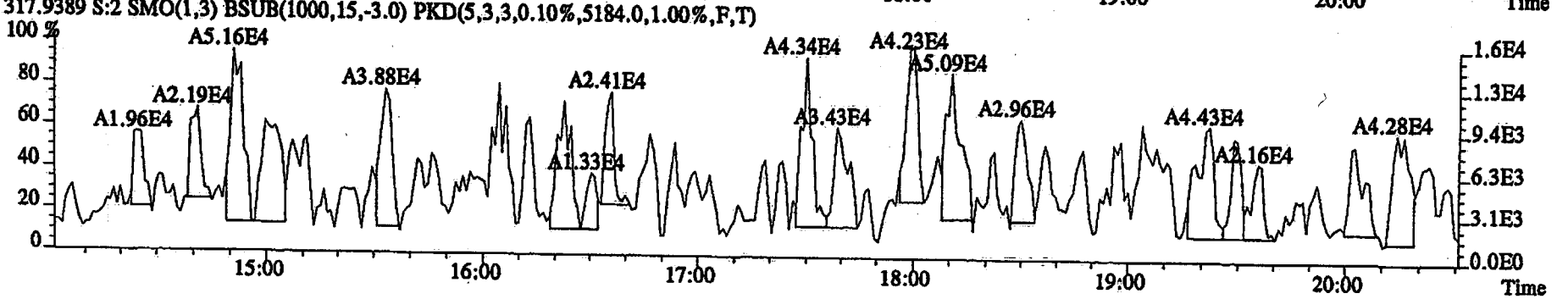
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)



315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2212.0,1.00%,F,T)



317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5184.0,1.00%,F,T)



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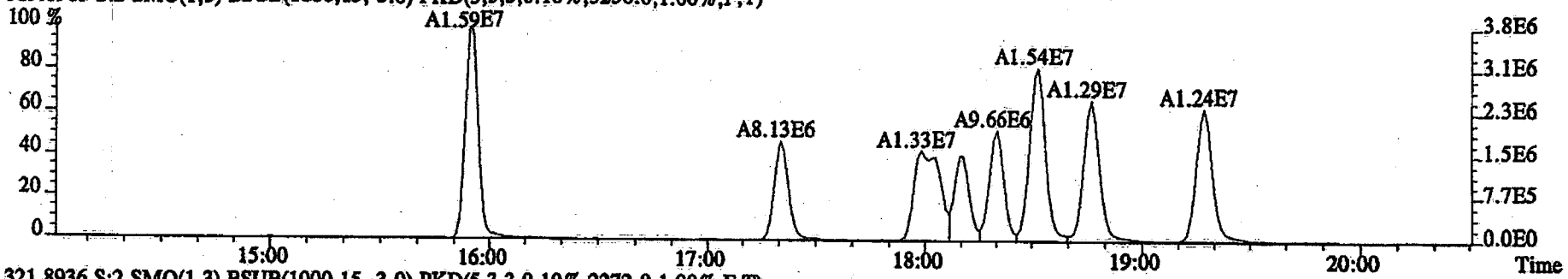
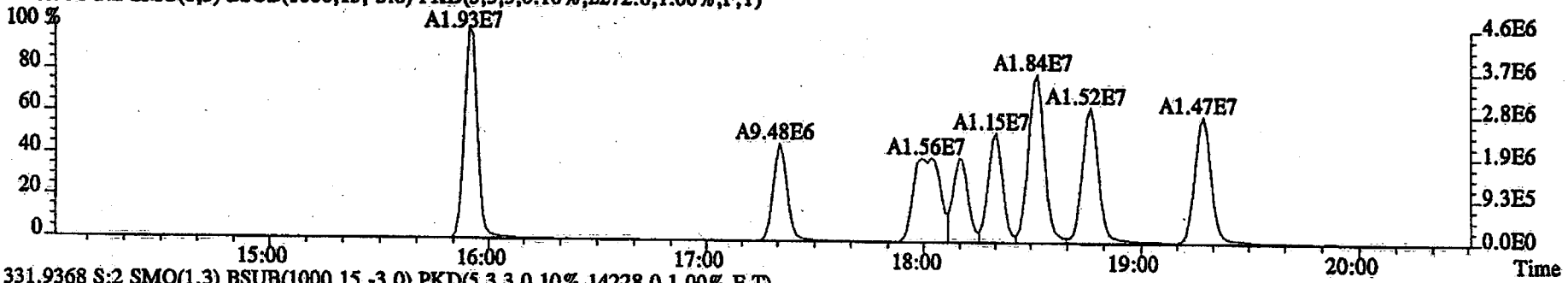
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

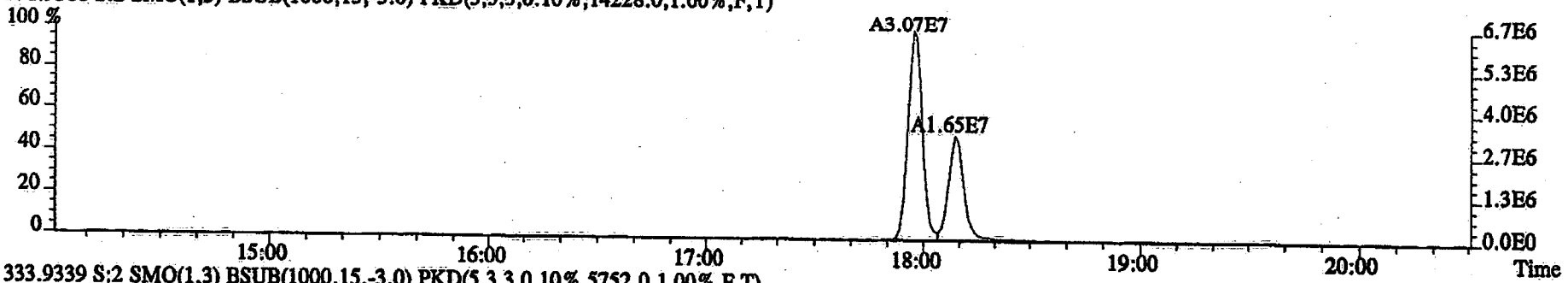
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3256.0,1.00%,F,T)



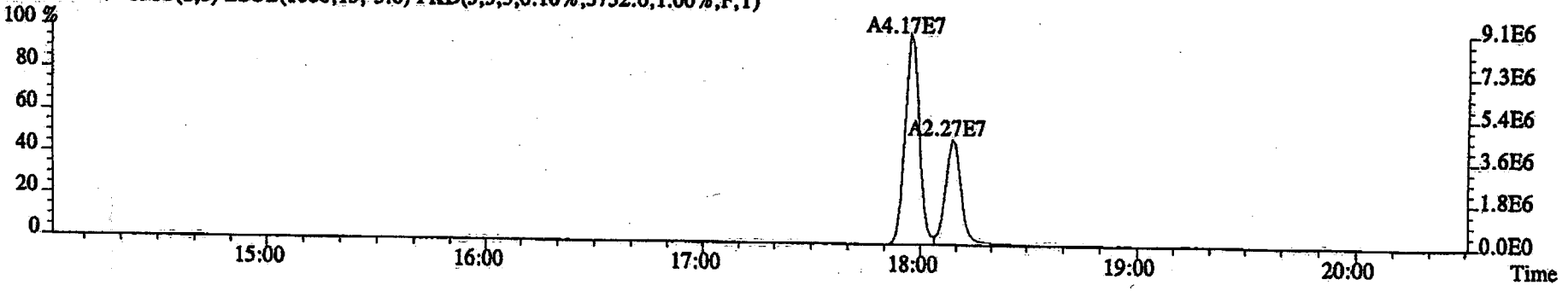
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2272.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14228.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5752.0,1.00%,F,T)



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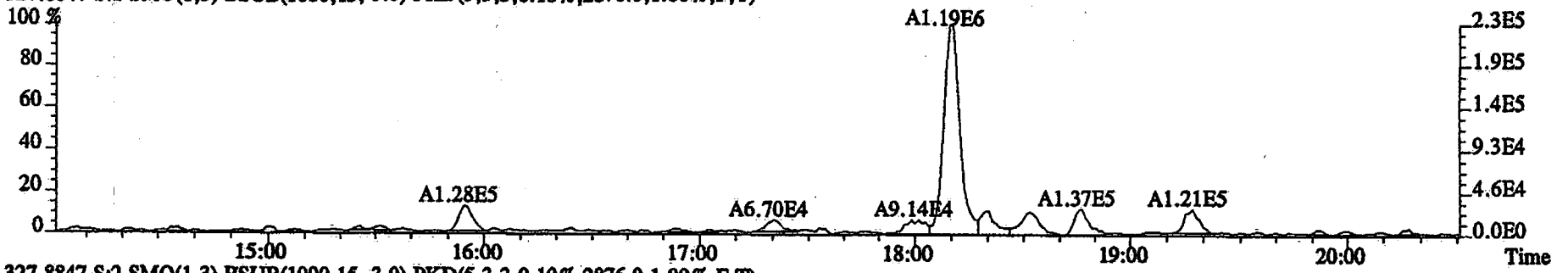
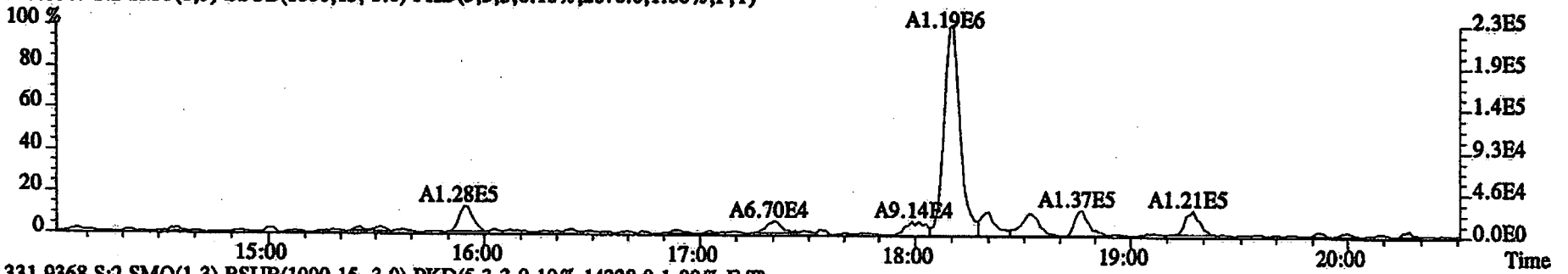
File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

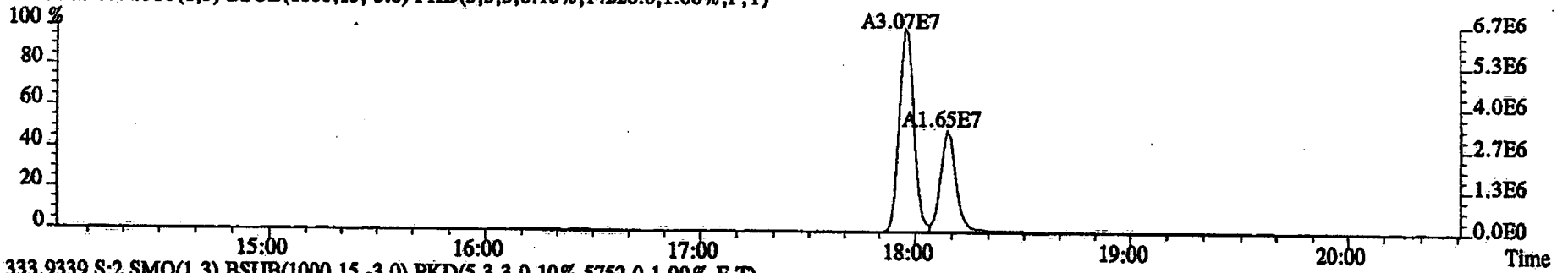
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)



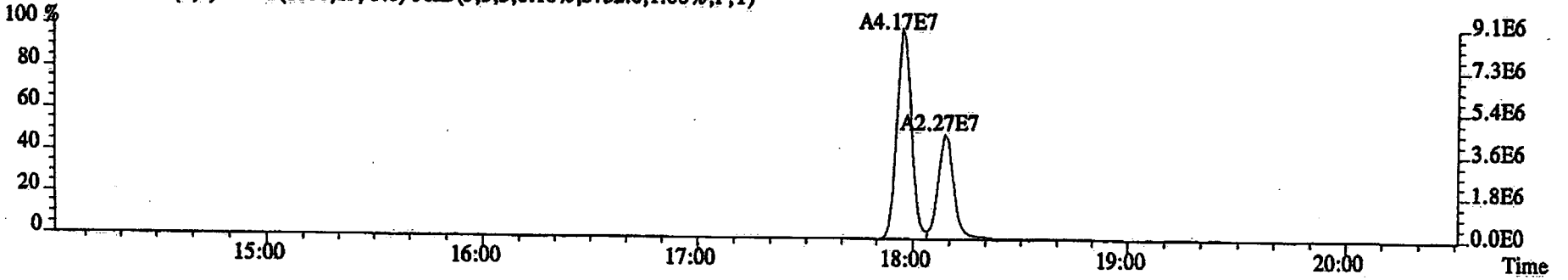
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14228.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5752.0,1.00%,F,T)



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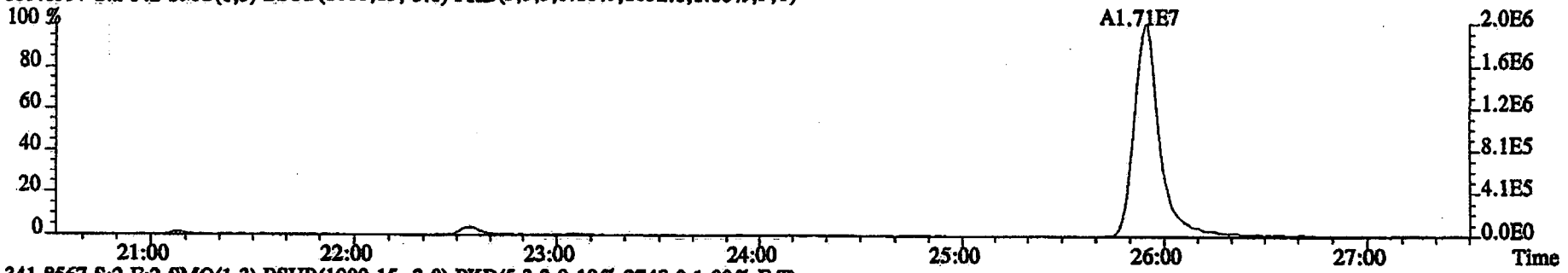
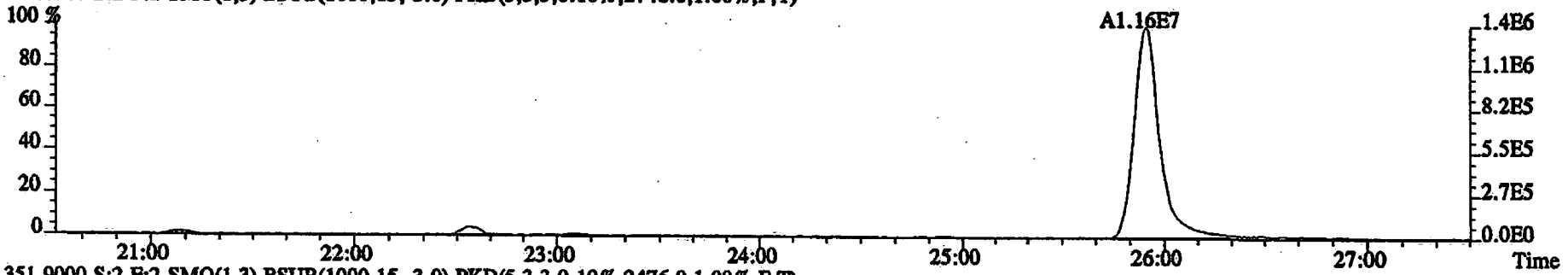
File:21MR059D5 #1-556 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

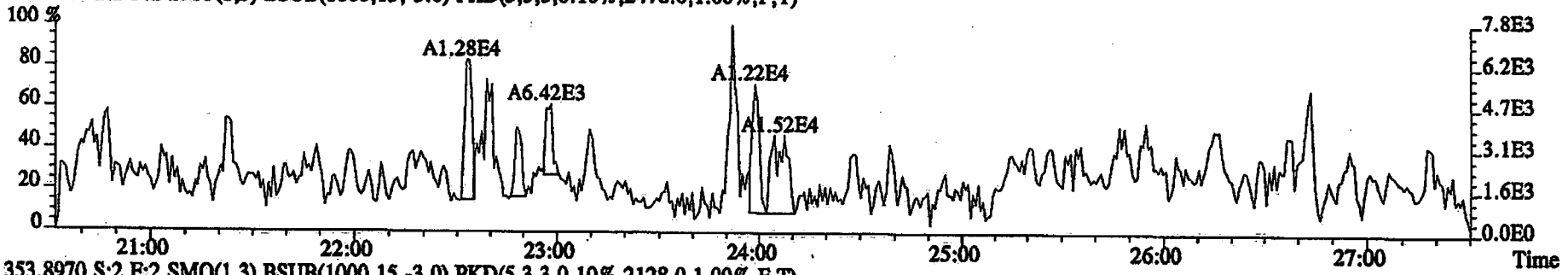
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



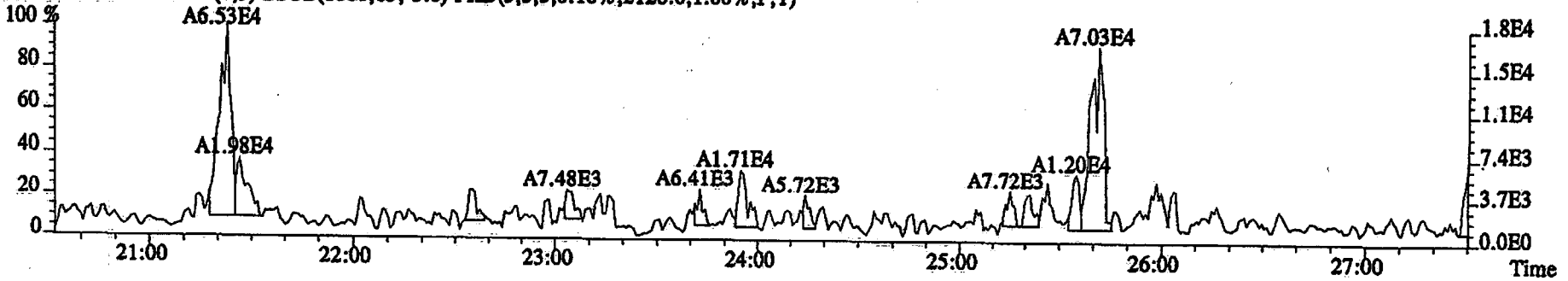
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2748.0,1.00%,F,T)



351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2476.0,1.00%,F,T)



353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



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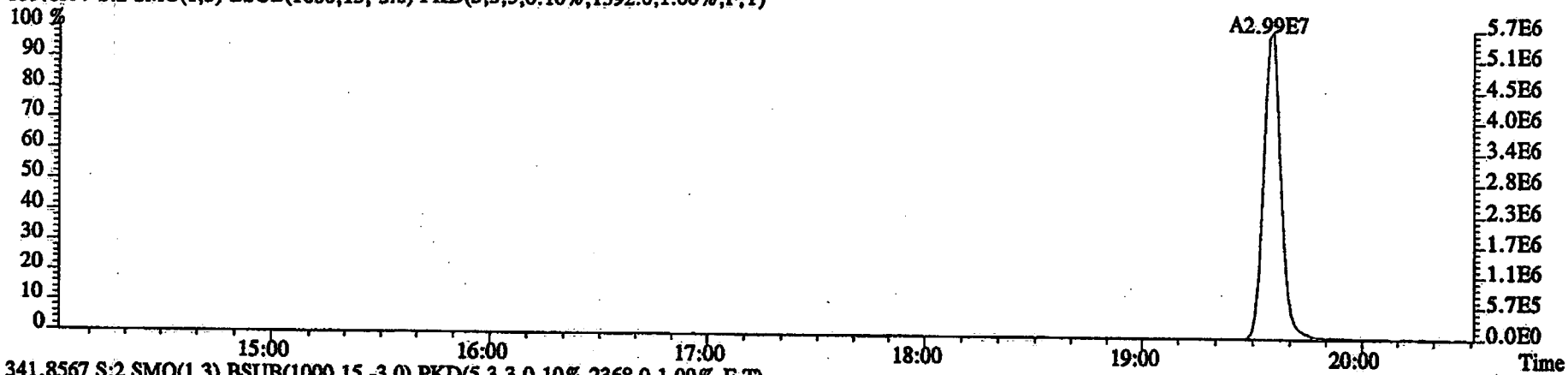
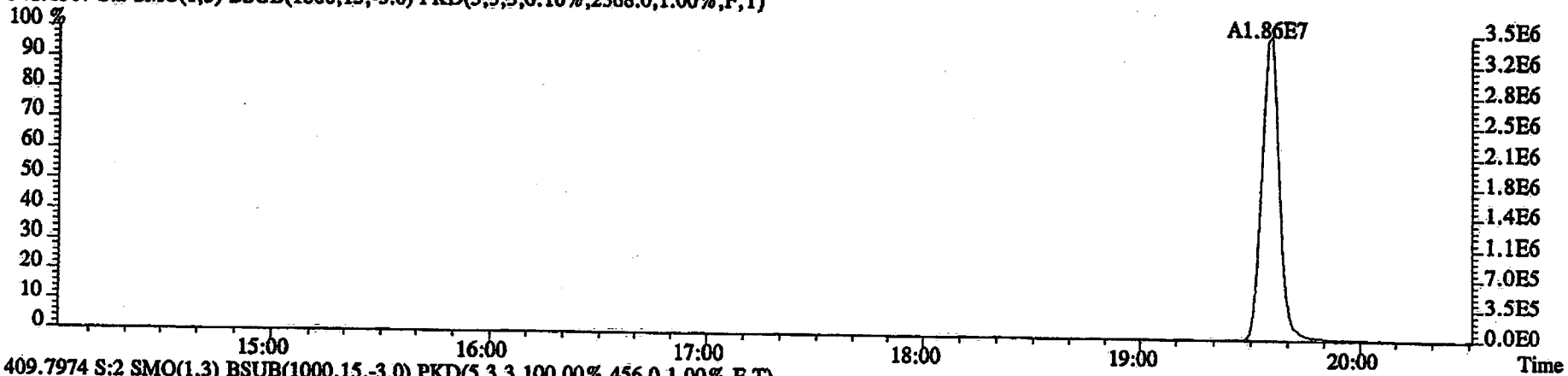
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

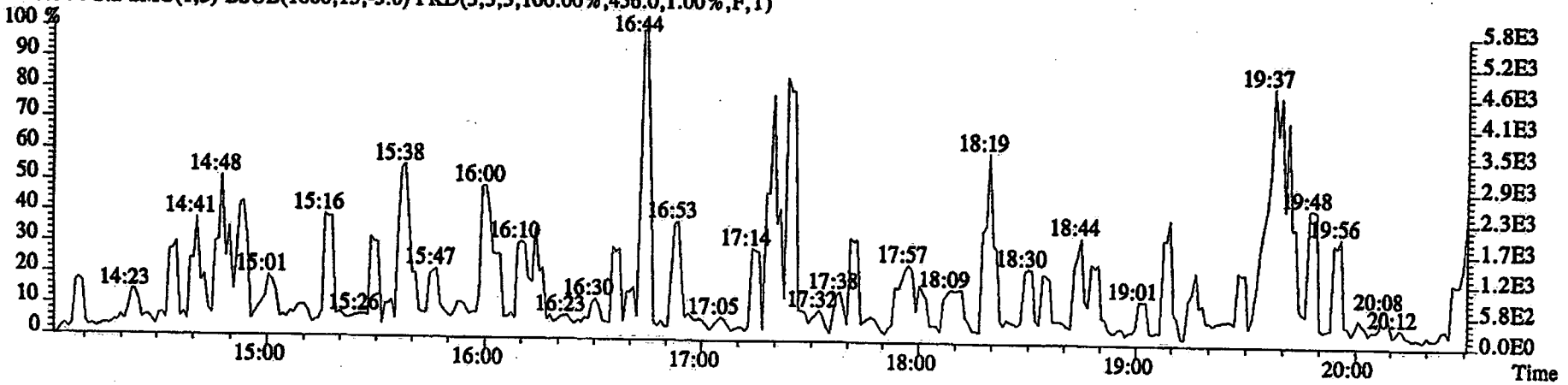
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2368.0,1.00%,F,T)



409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,456.0,1.00%,F,T)



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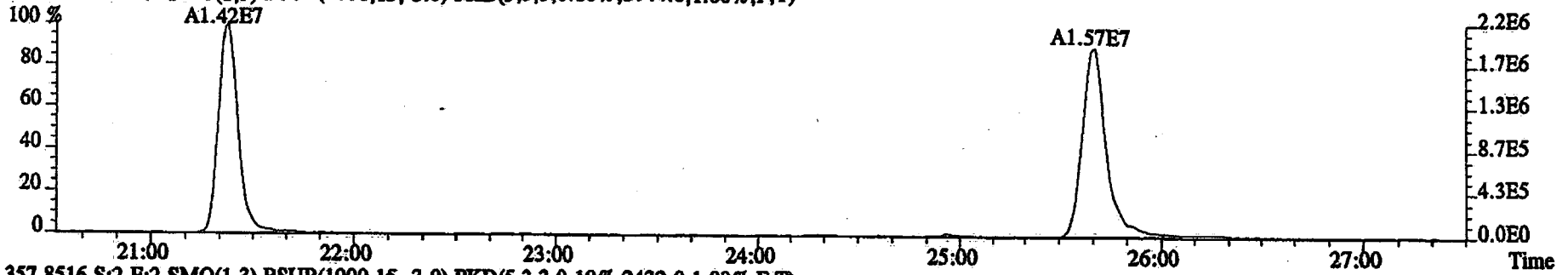
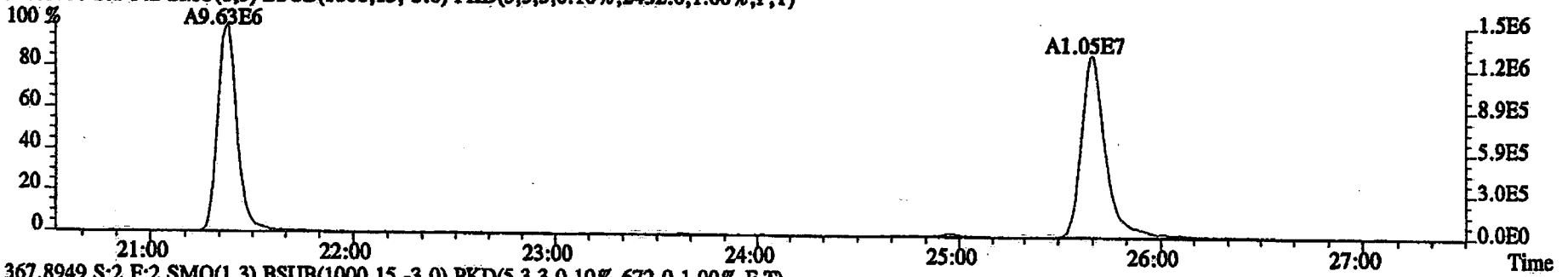
File:21MR059D5 #1-556 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

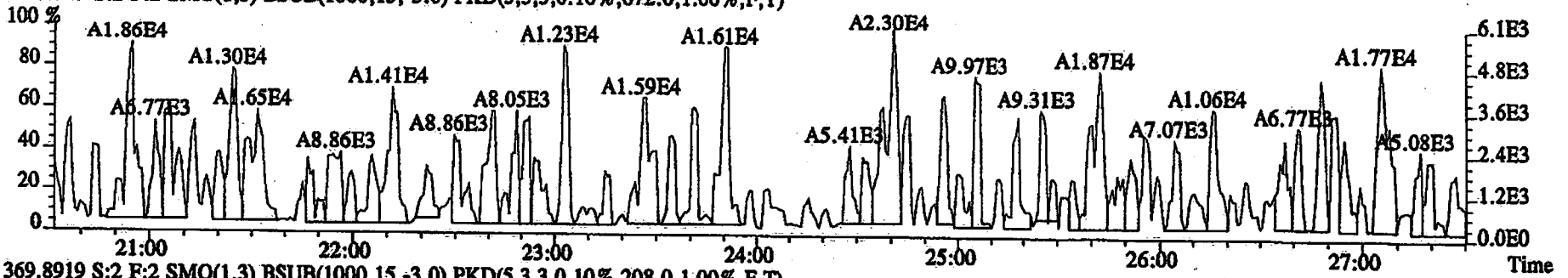
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3744.0,1.00%,F,T)



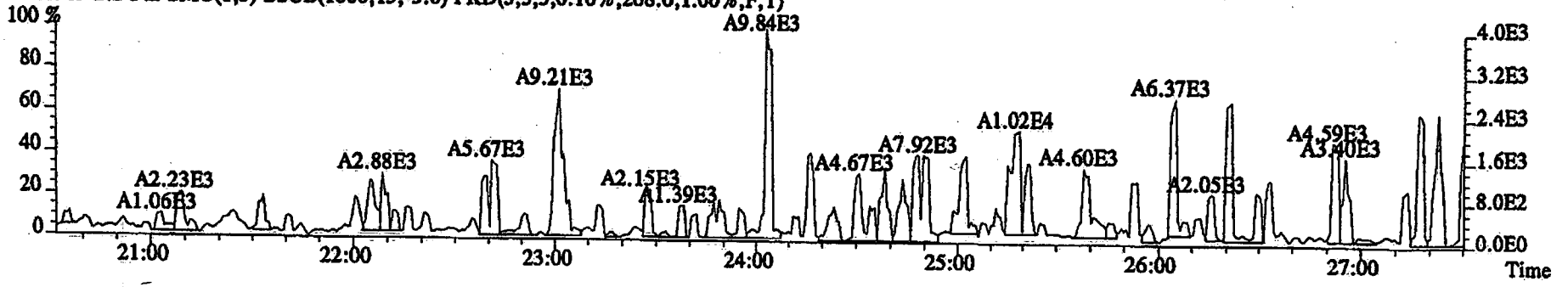
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2432.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)



369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



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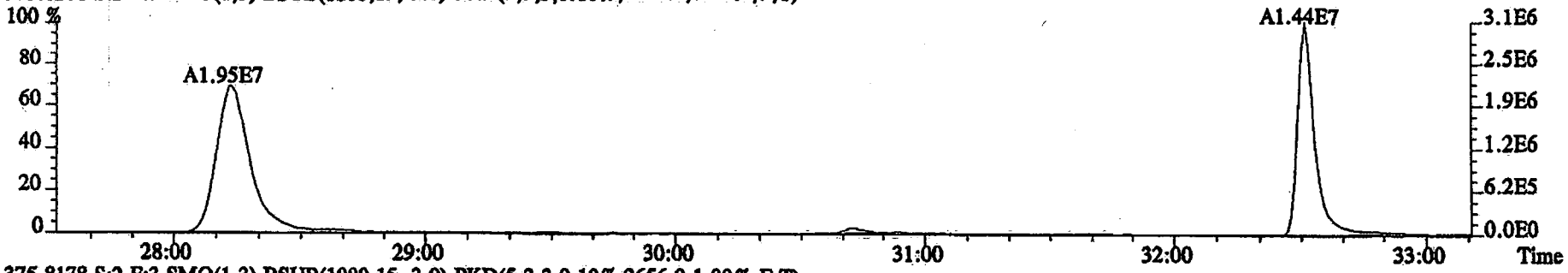
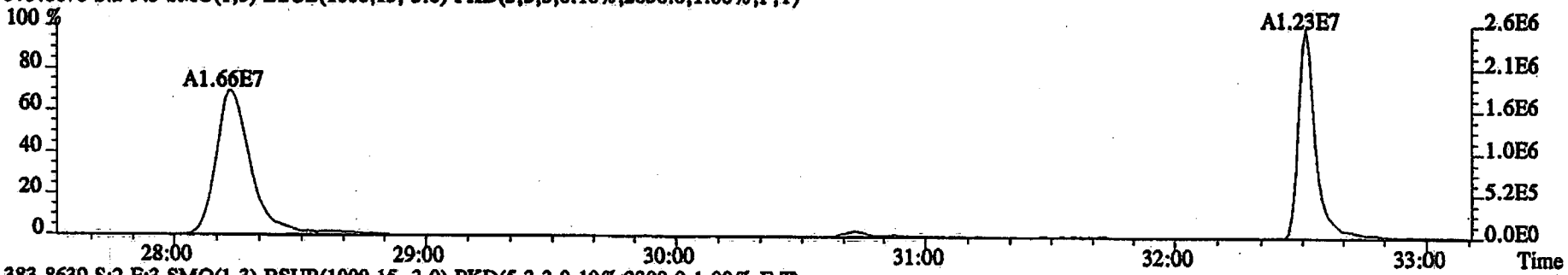
File:21MR059D5 #1-428 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

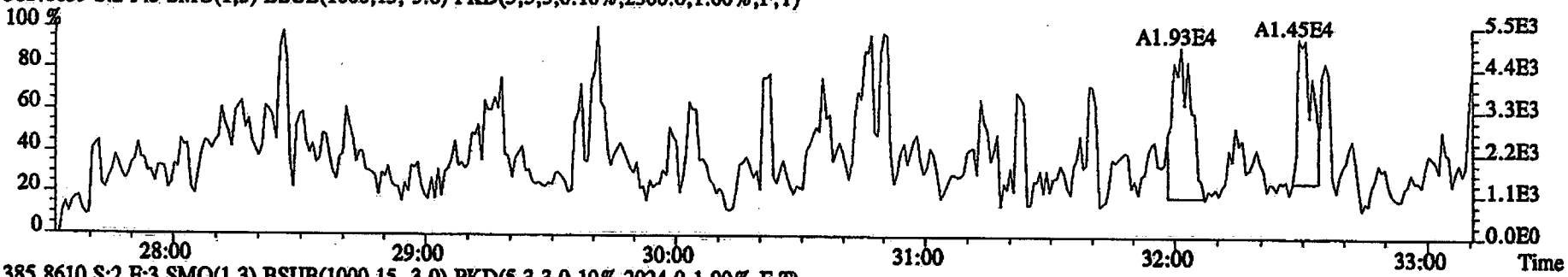
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



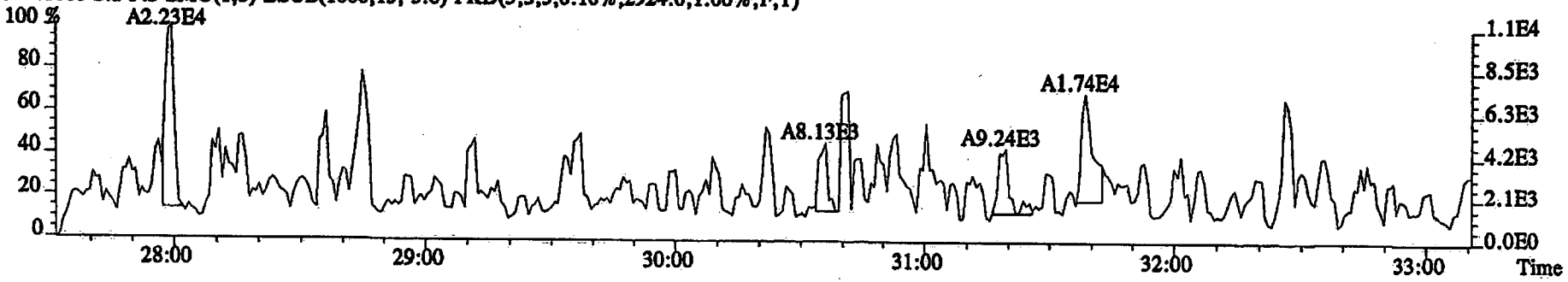
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2300.0,1.00%,F,T)



385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2924.0,1.00%,F,T)



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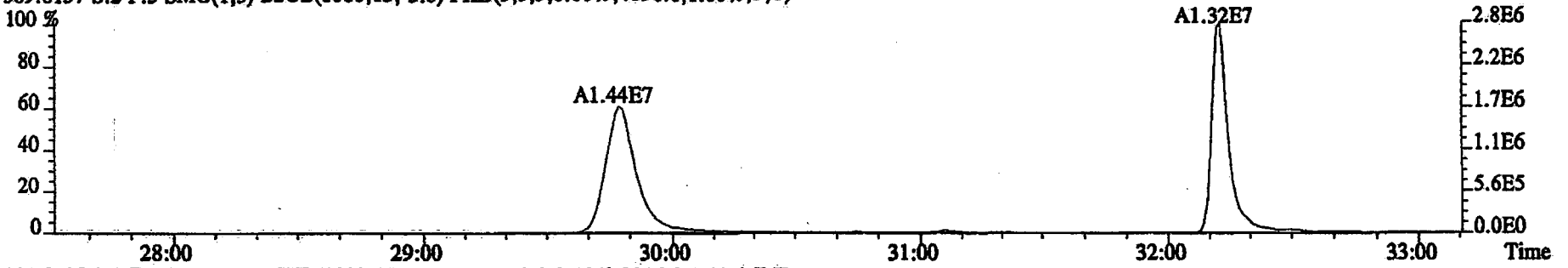
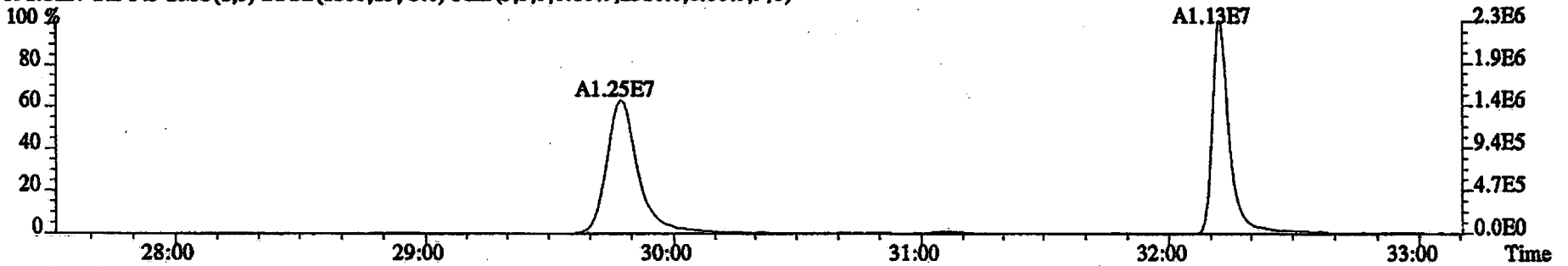
File:21MR059D5 #1-428 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

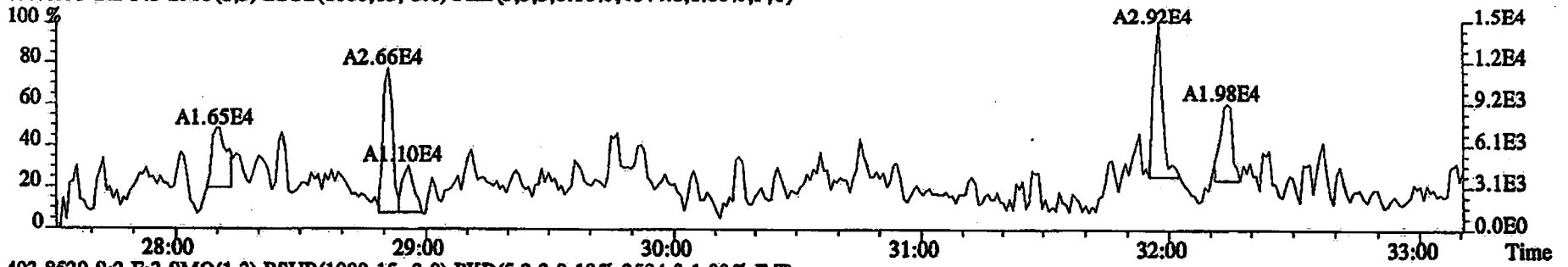
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4656.0,1.00%,F,T)



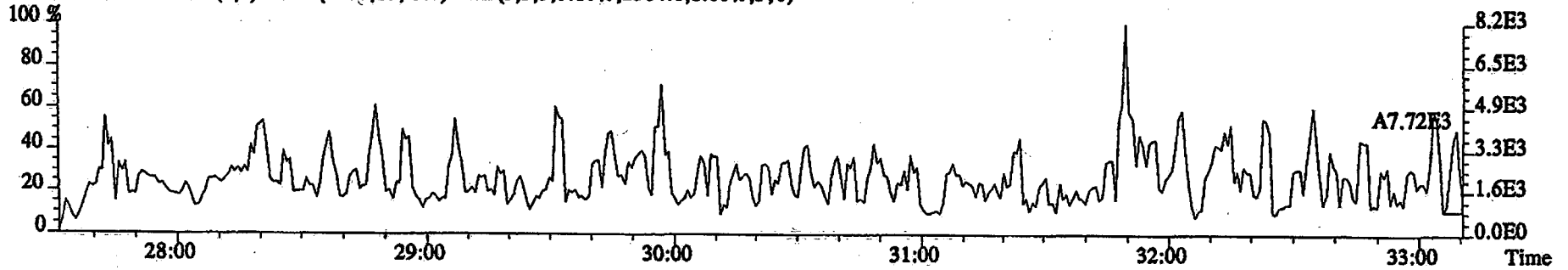
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2316.0,1.00%,F,T)



401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)



403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2504.0,1.00%,F,T)



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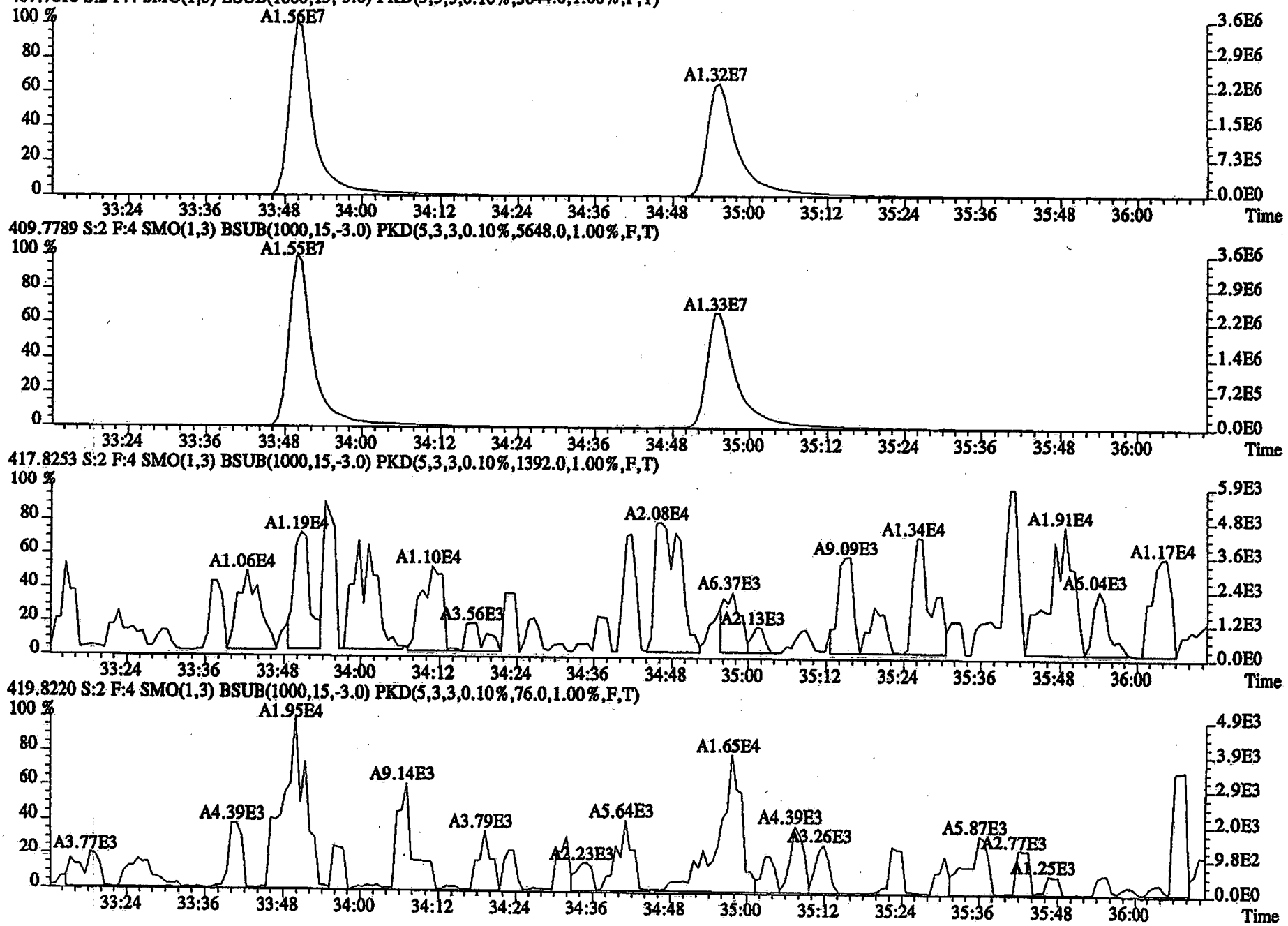
File:21MR059D5 #1-238 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN



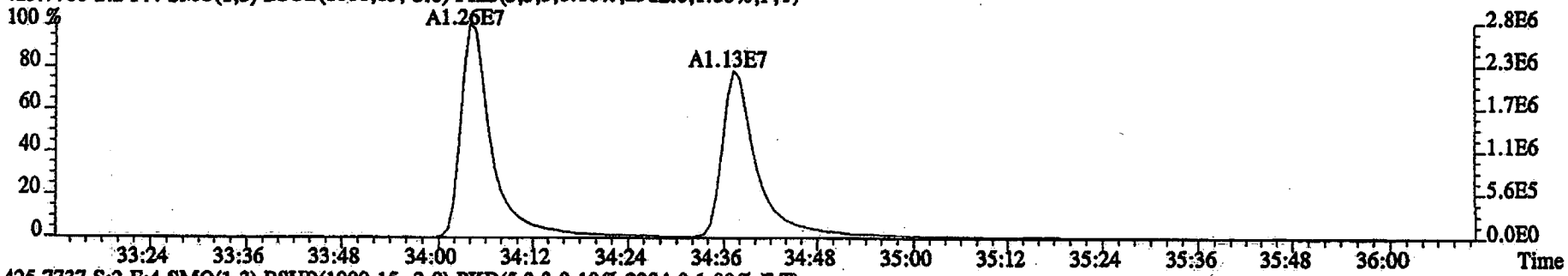
1087

STL Edison

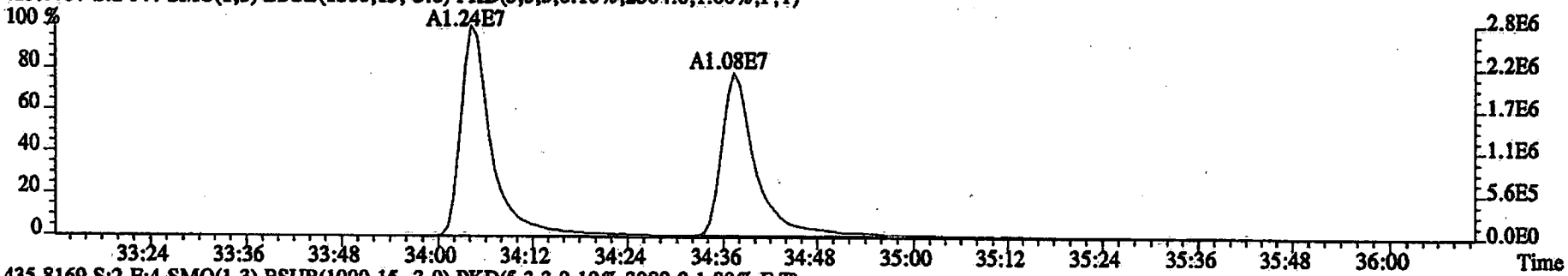
U855

File:21MR059D5 #1-238 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

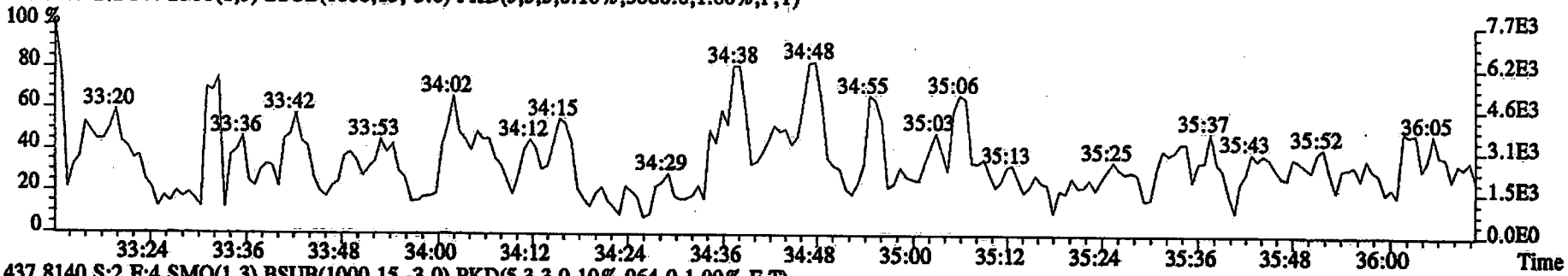
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



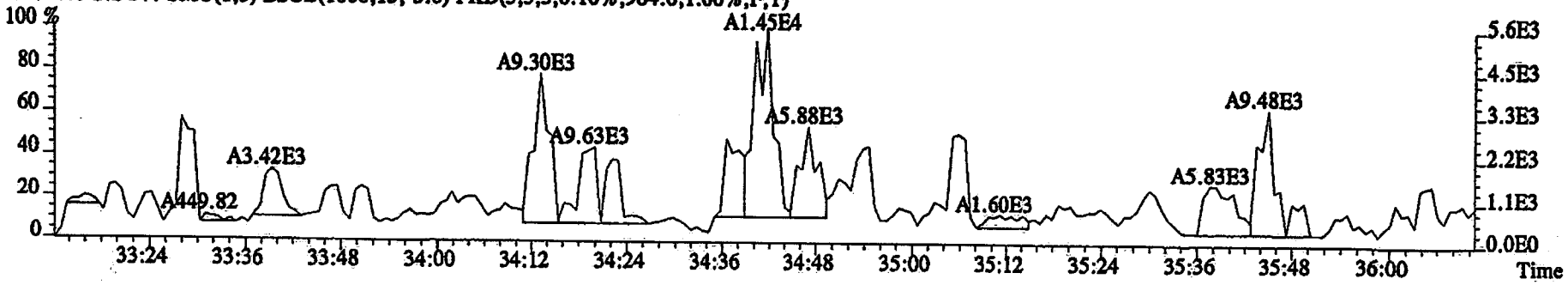
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2304.0,1.00%,F,T)



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3080.0,1.00%,F,T)



437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)

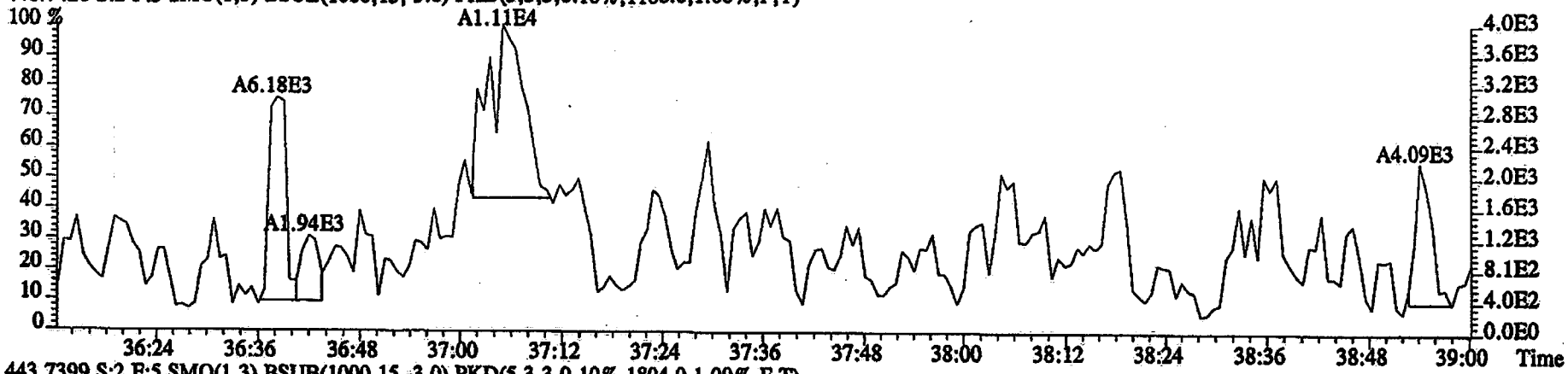


1088

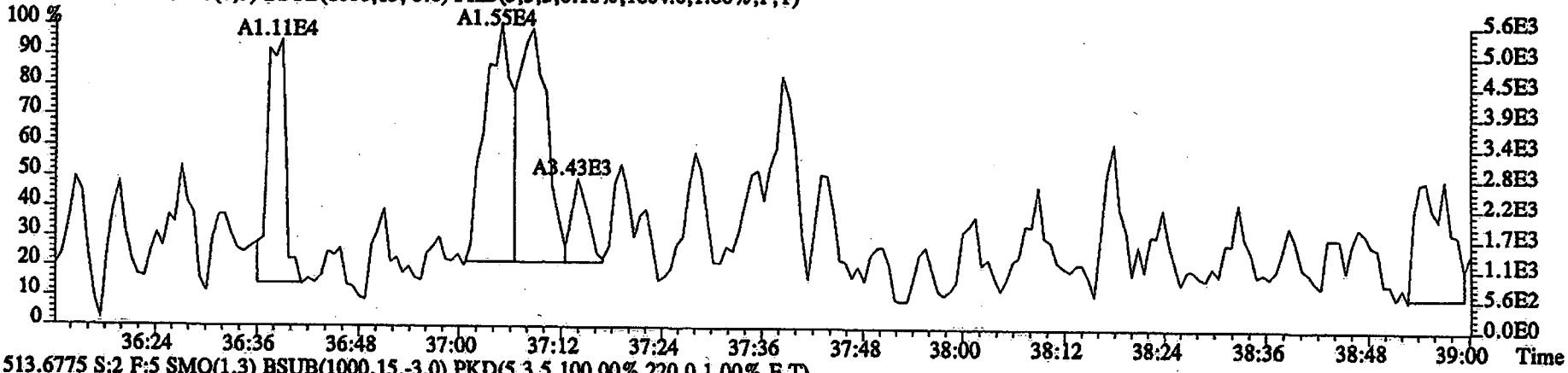
STL Edison

U855

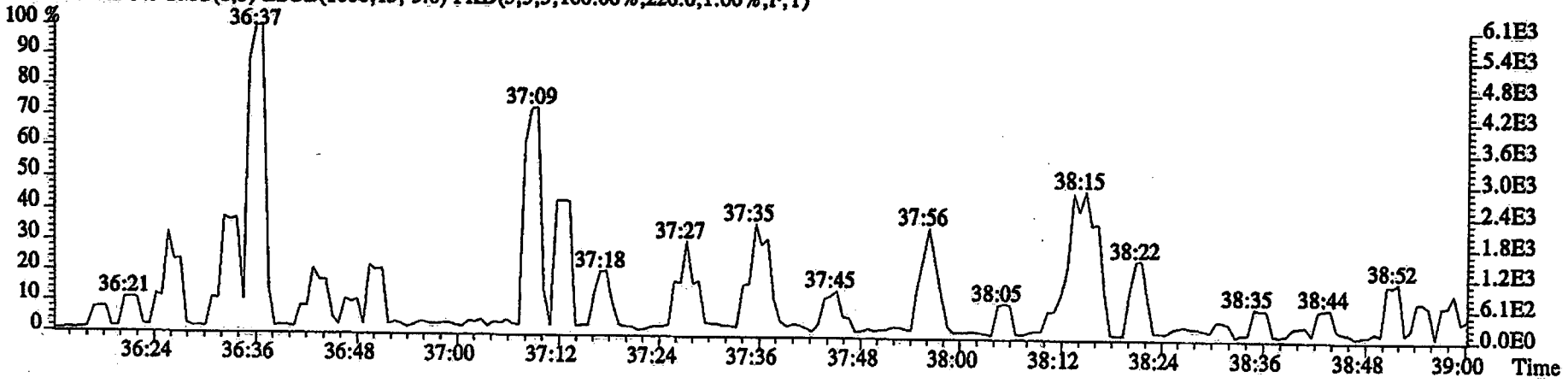
File:21MR059D5 #1-227 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,220.0,1.00%,F,T)



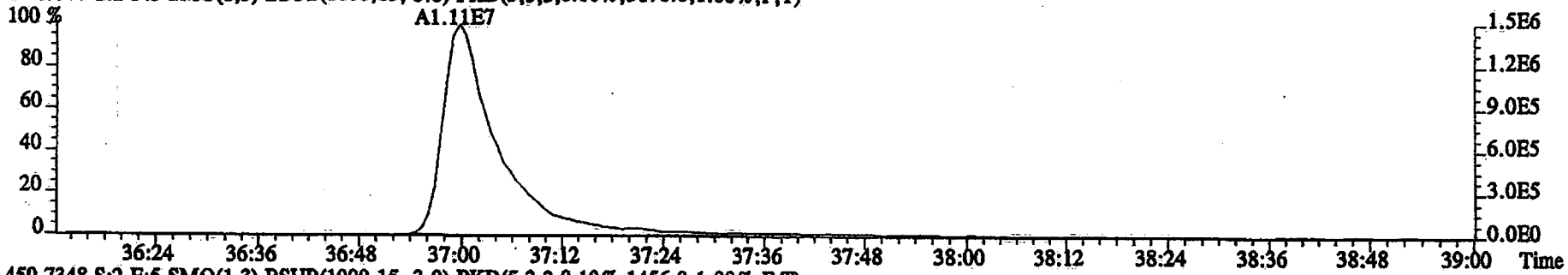
1089

STL Edison

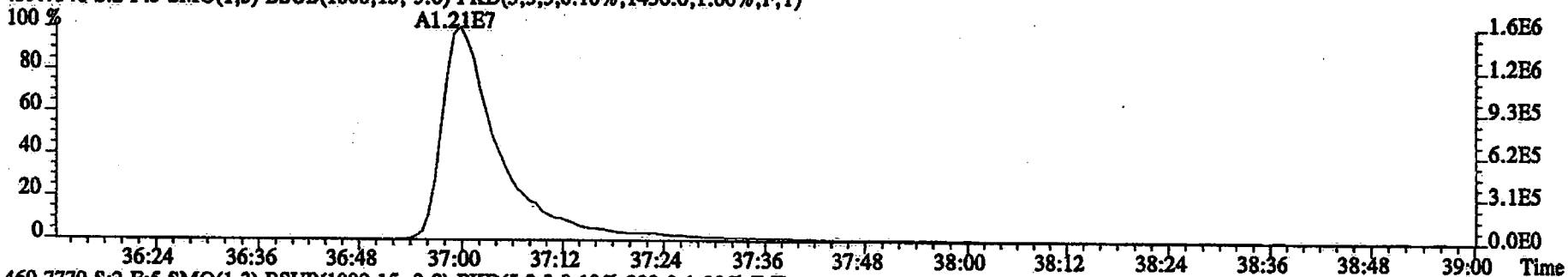
U855

File:21MR059D5 #1-227 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

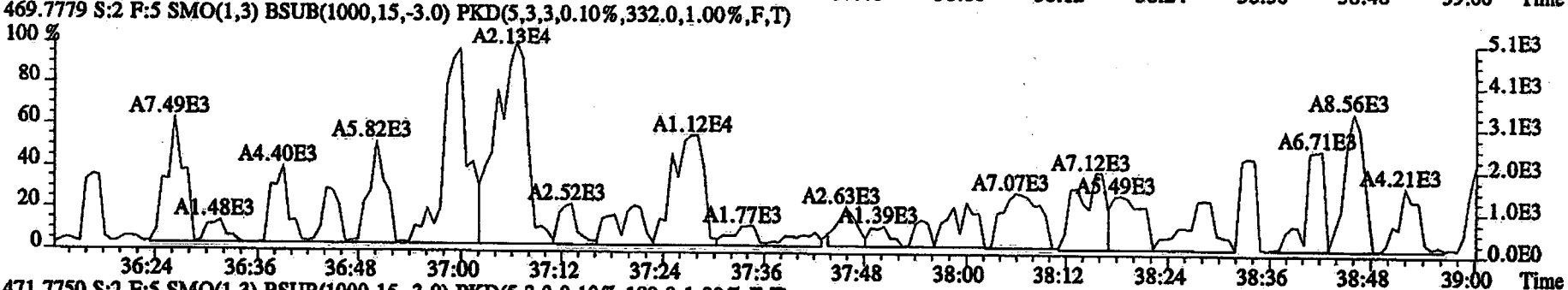
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)



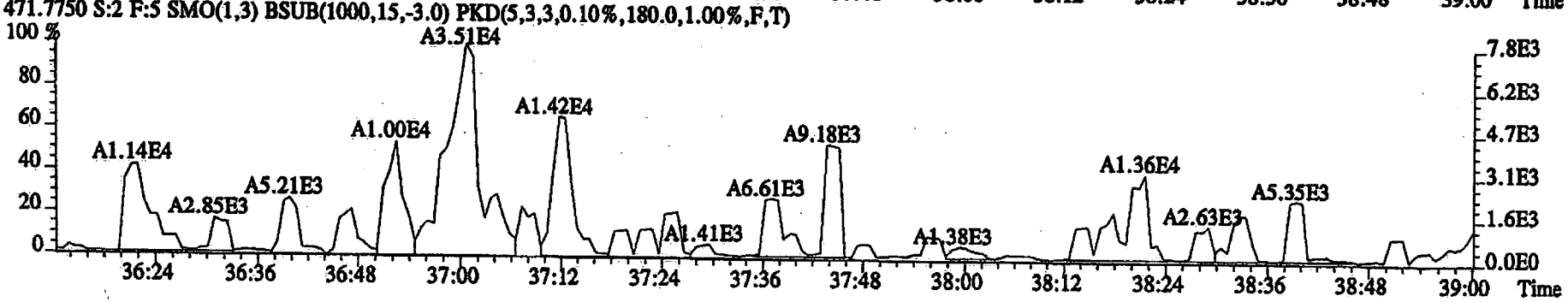
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,332.0,1.00%,F,T)



471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



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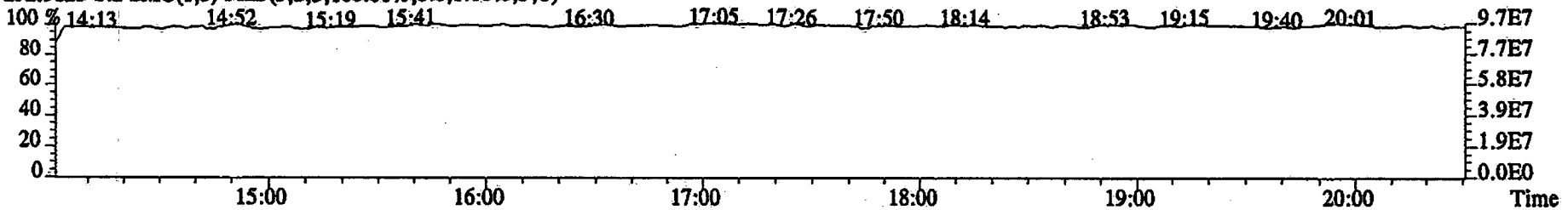
STL Edison

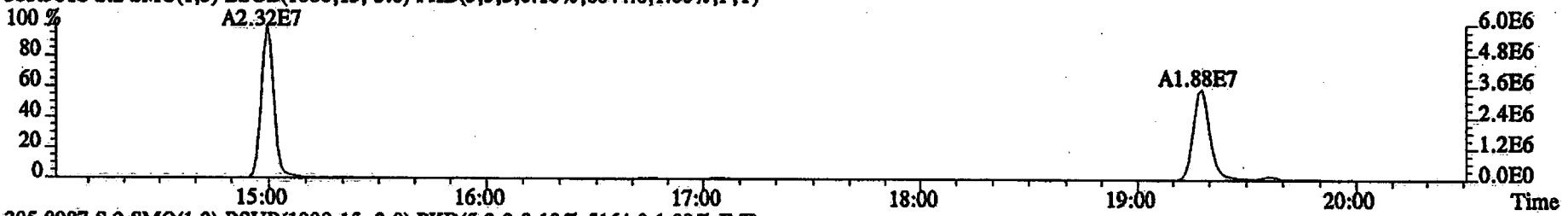
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

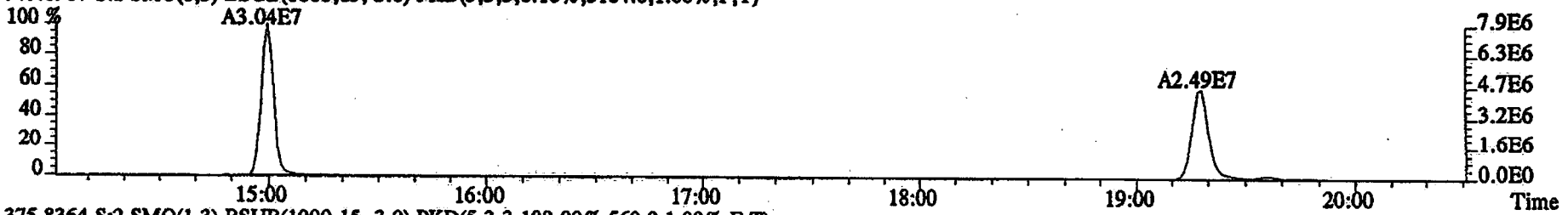
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



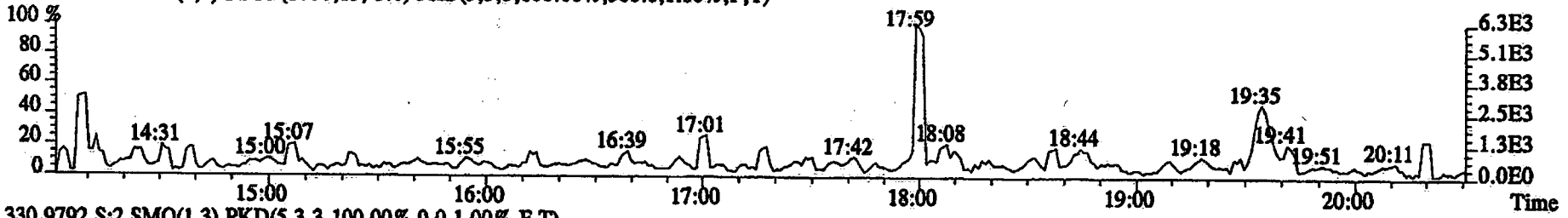
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



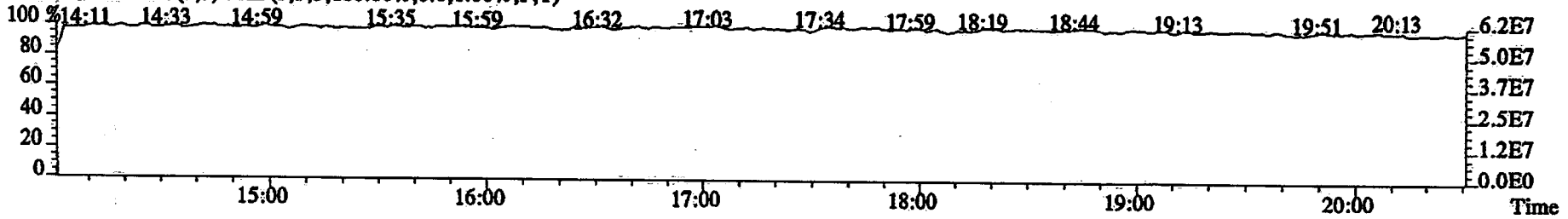
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)



375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,560.0,1.00%,F,T)



330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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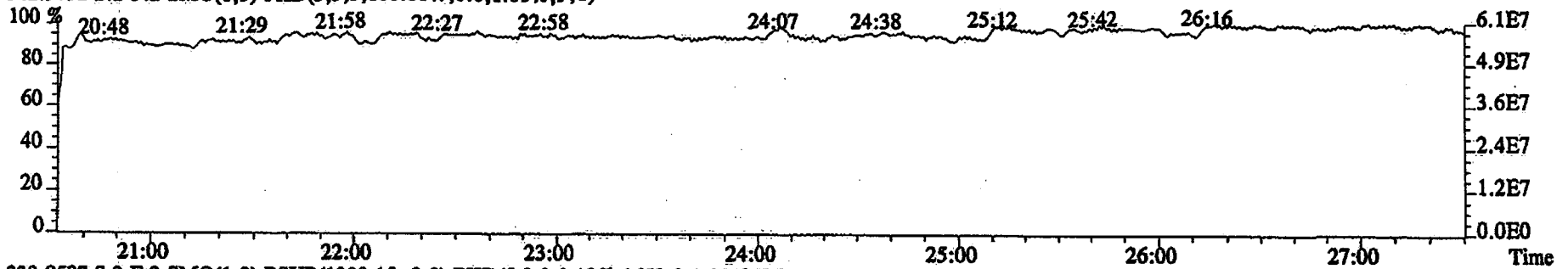
STL Edison

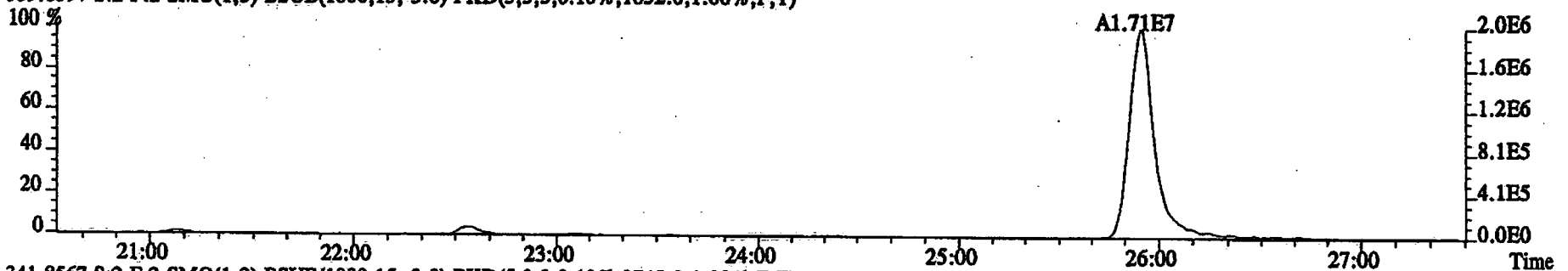
U855

File:21MR059D5 #1-556 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

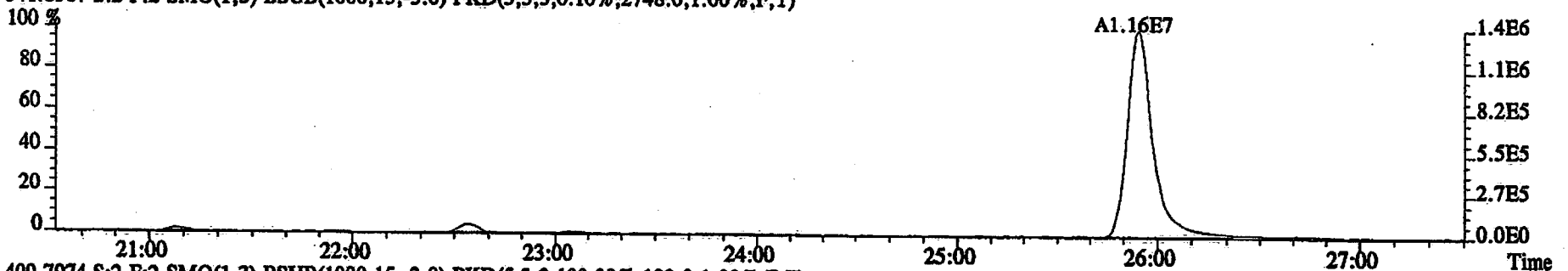
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



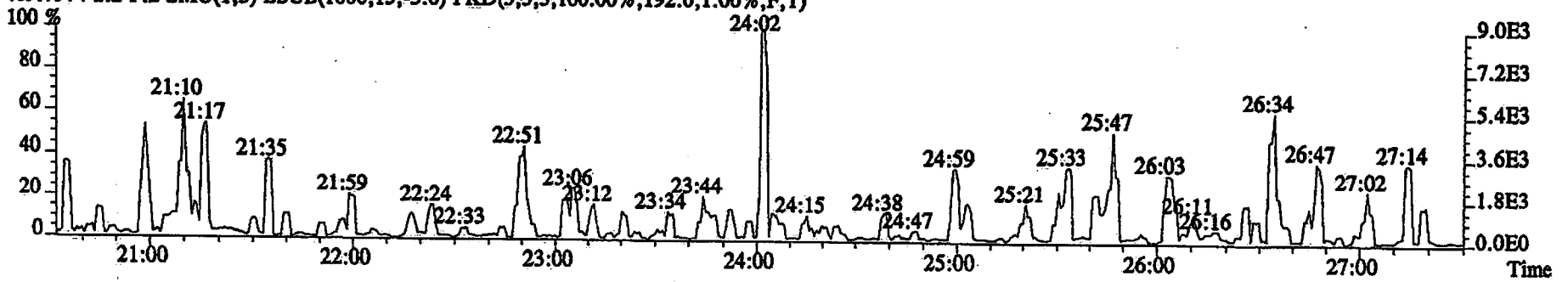
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2748.0,1.00%,F,T)



409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,192.0,1.00%,F,T)

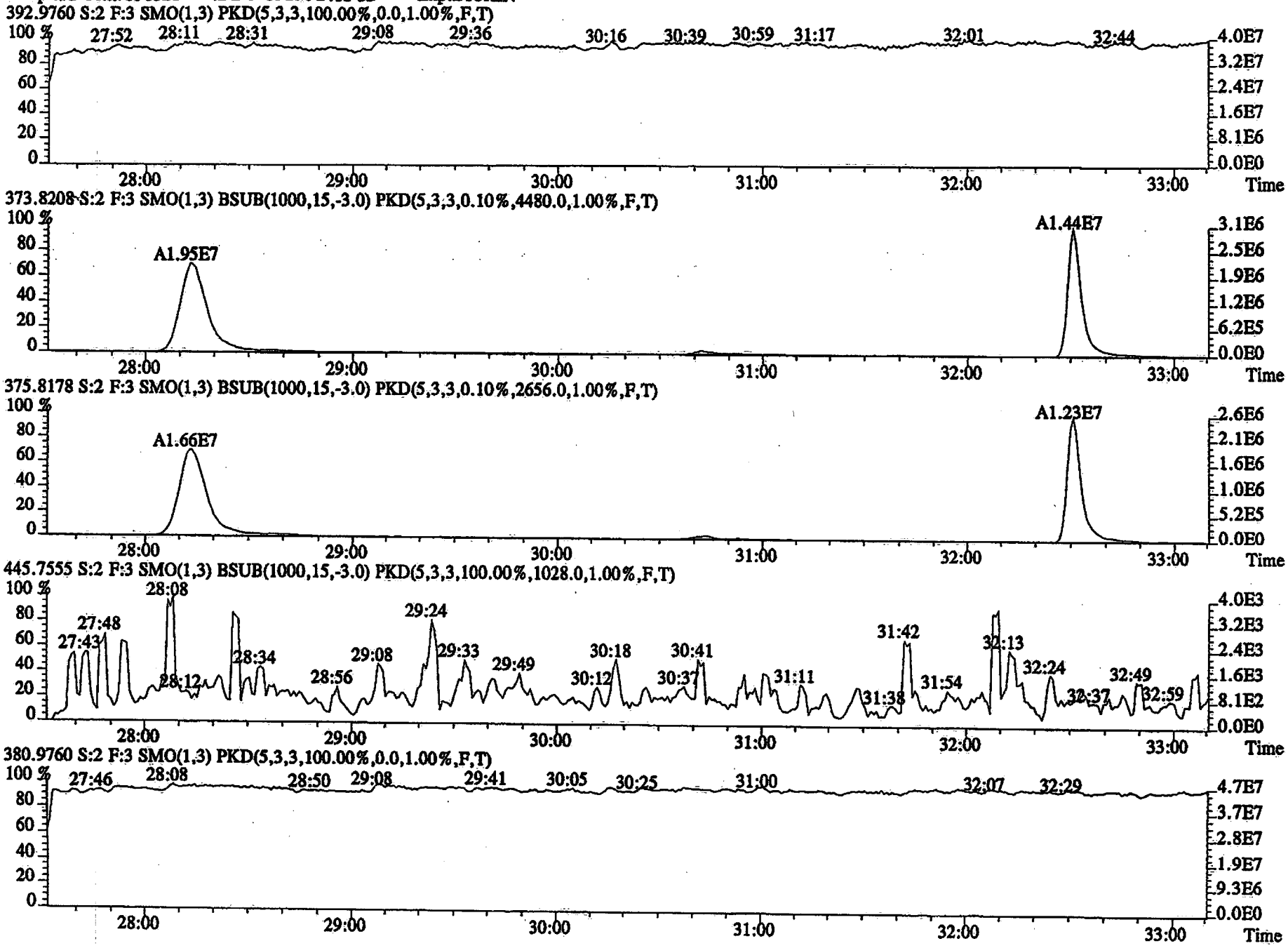


1092

STL Edison

U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

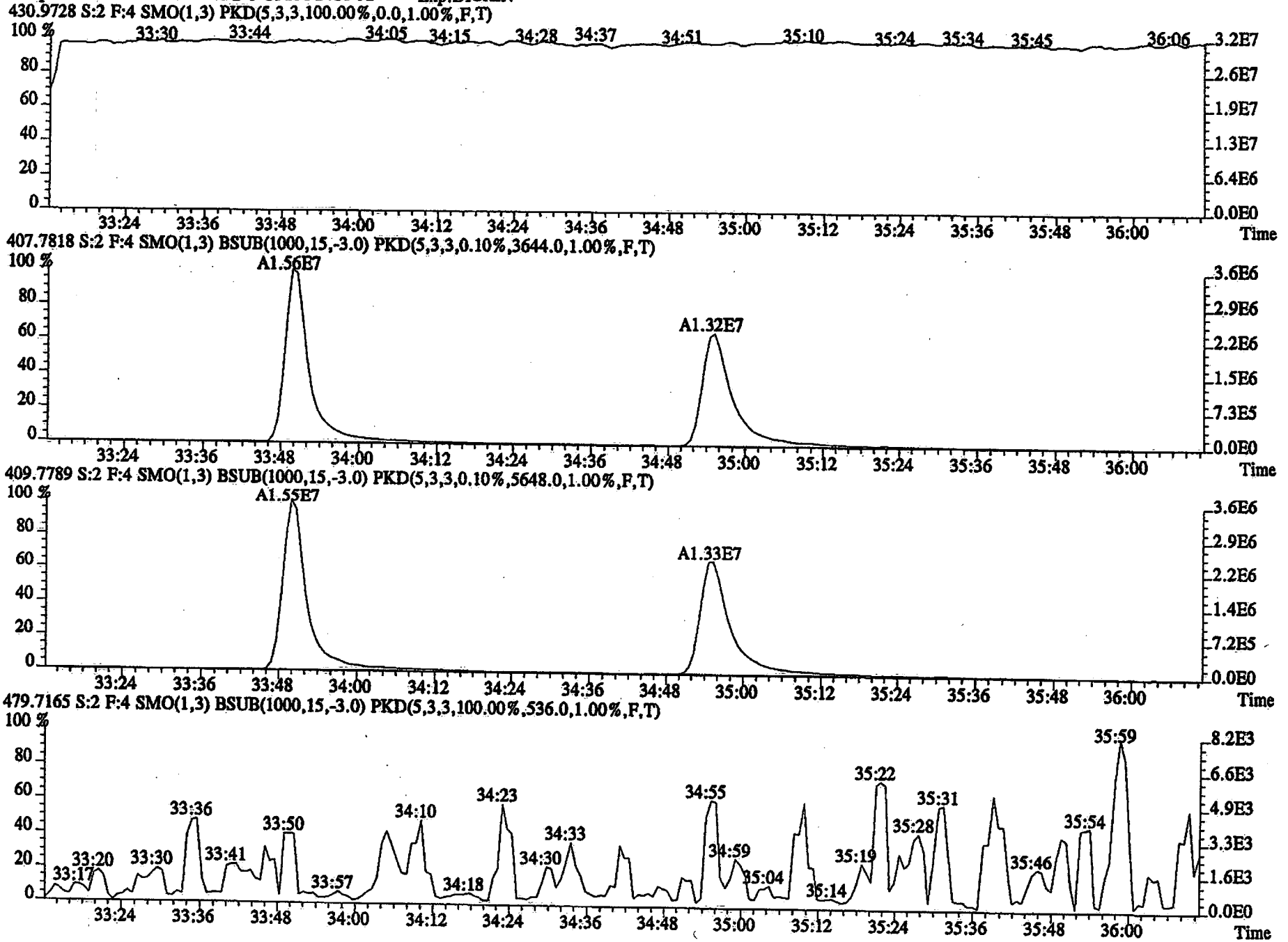


1093

STL Edison

U855

File:21MR059D5 #1-238 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN

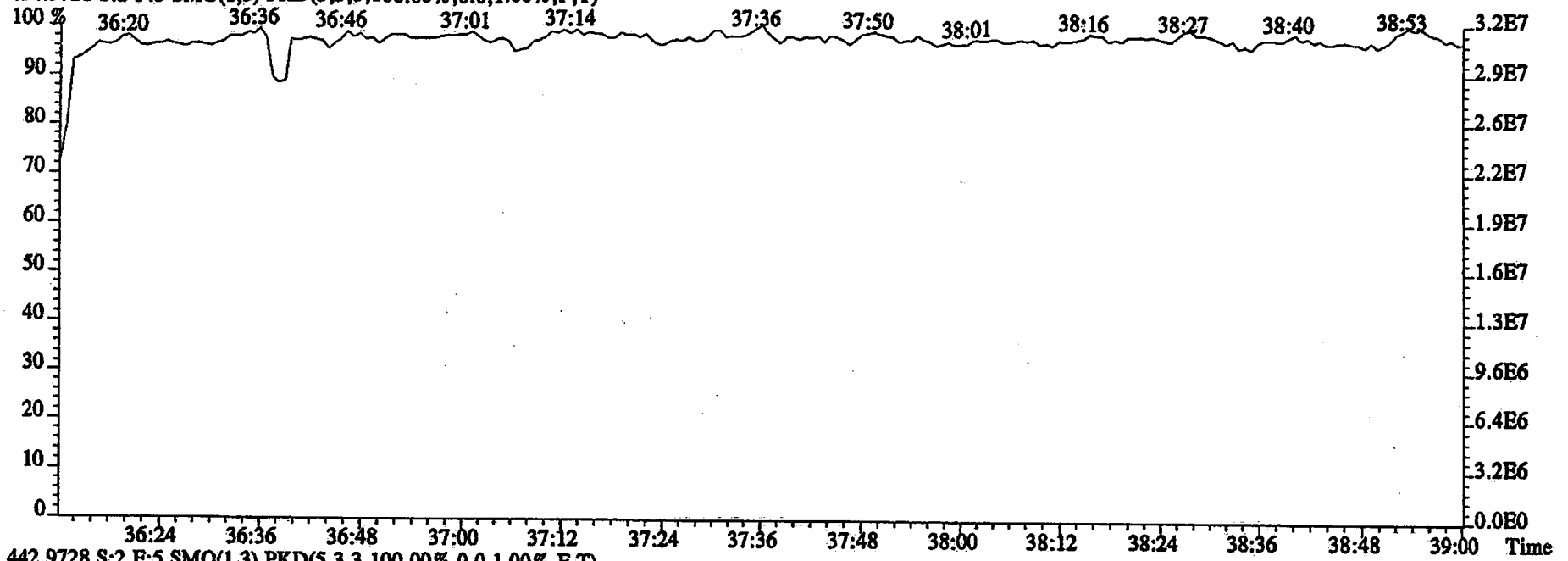


1094

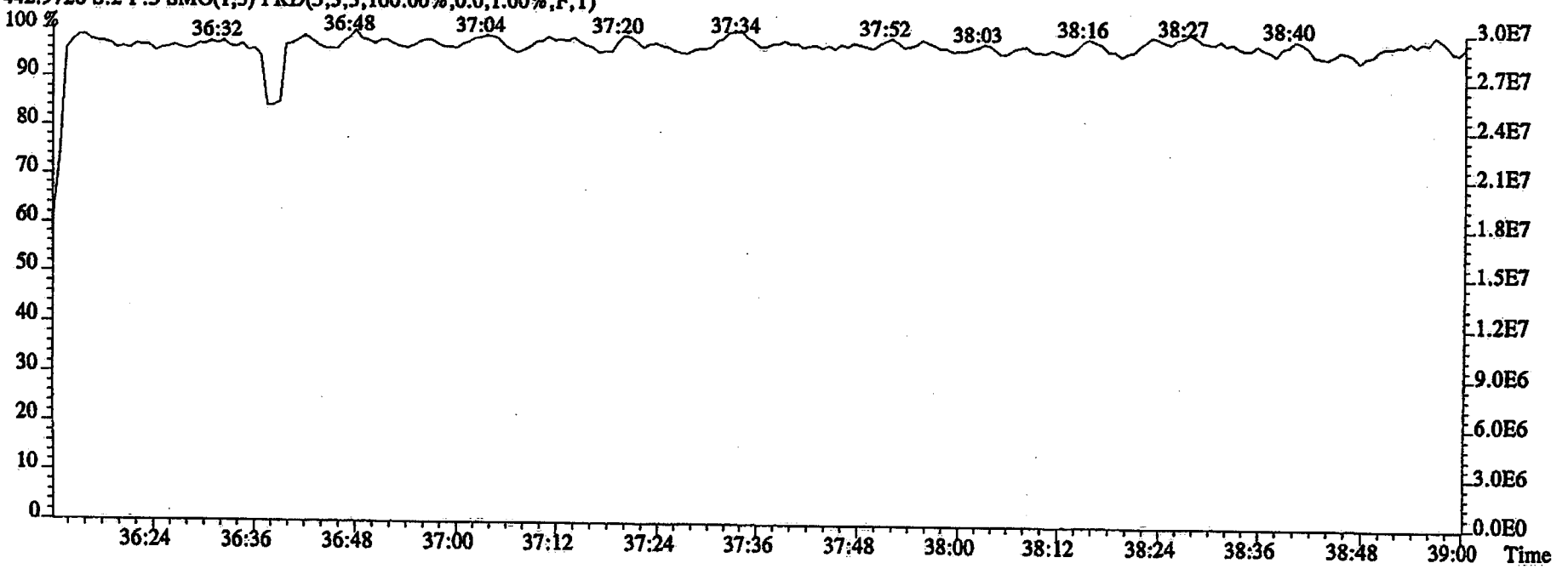
STL Edison

U855

File:21MR059D5 #1-227 Acq:21-MAR-2005 17:12:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0321 :DB-5 CPSM 2416-32 Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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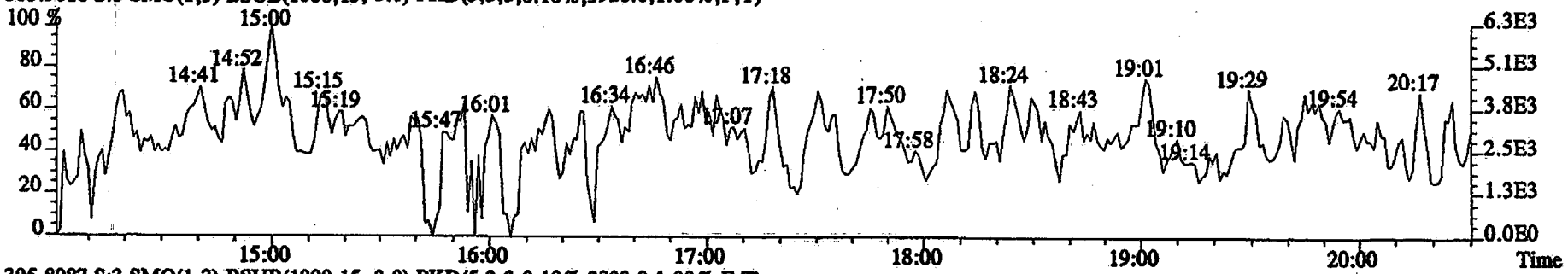
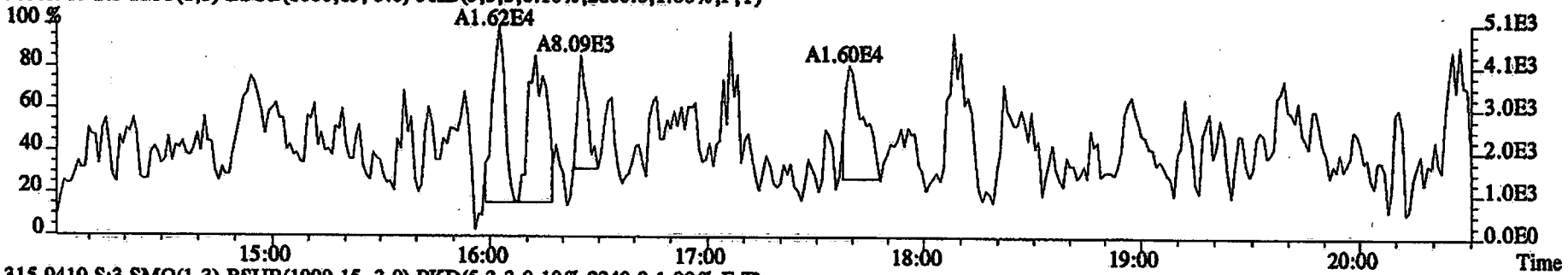
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

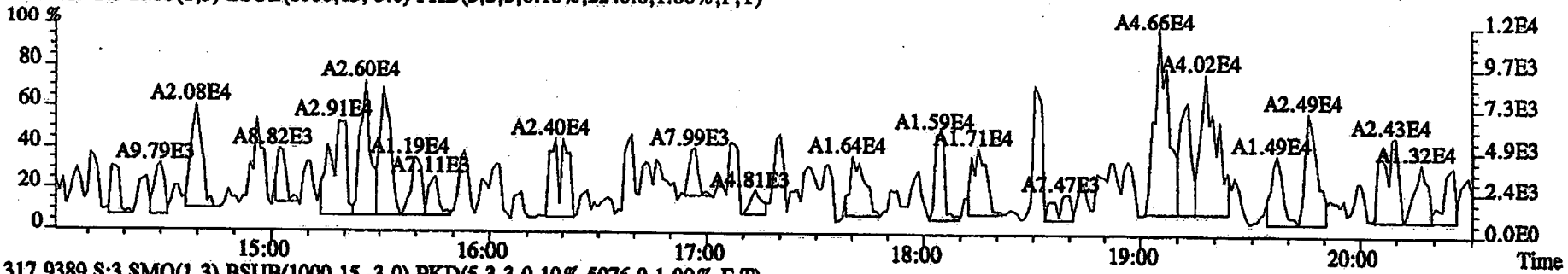
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928.0,1.00%,F,T)



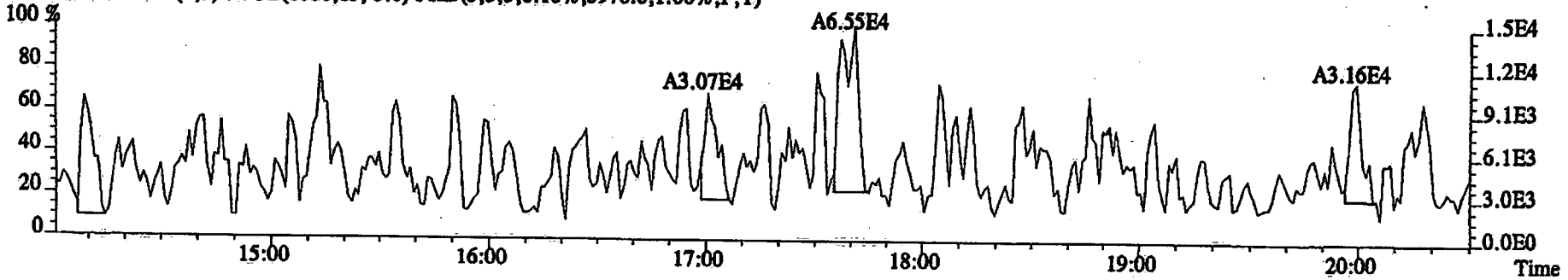
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



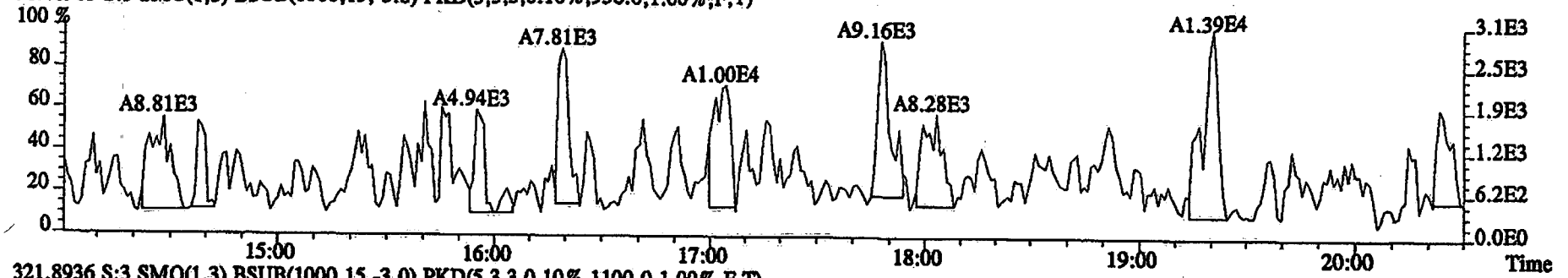
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5976.0,1.00%,F,T)



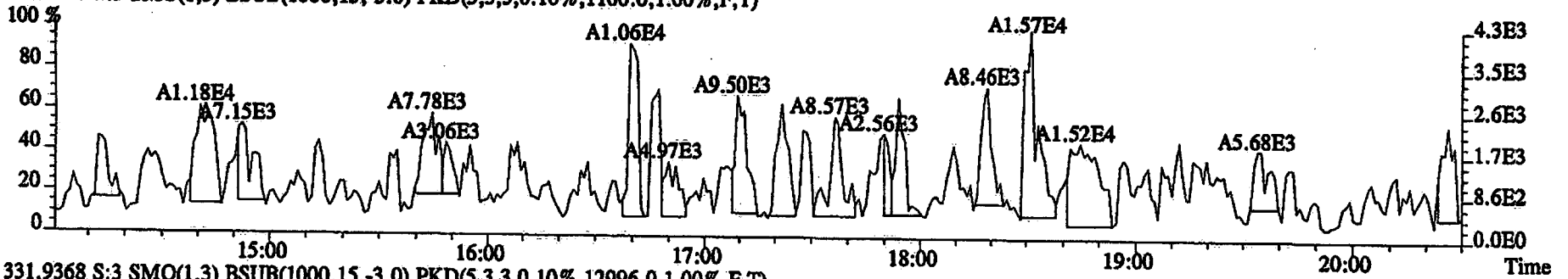
1096
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

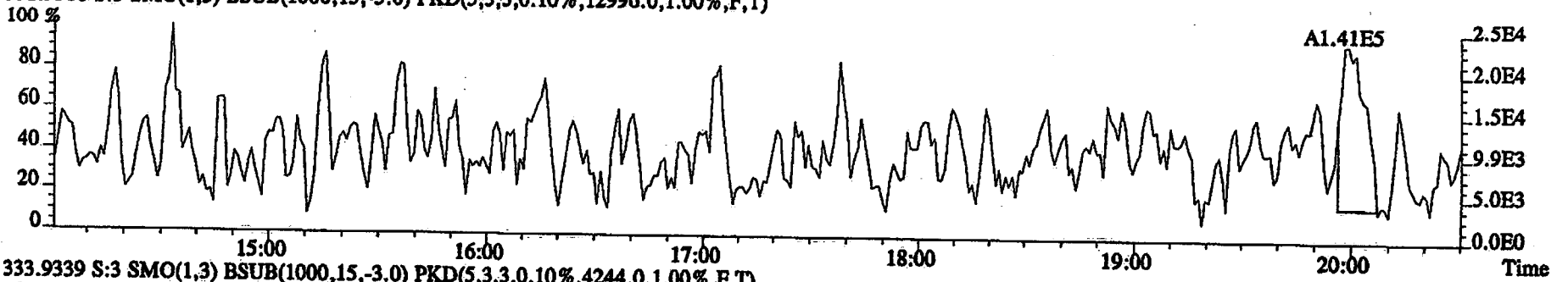
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



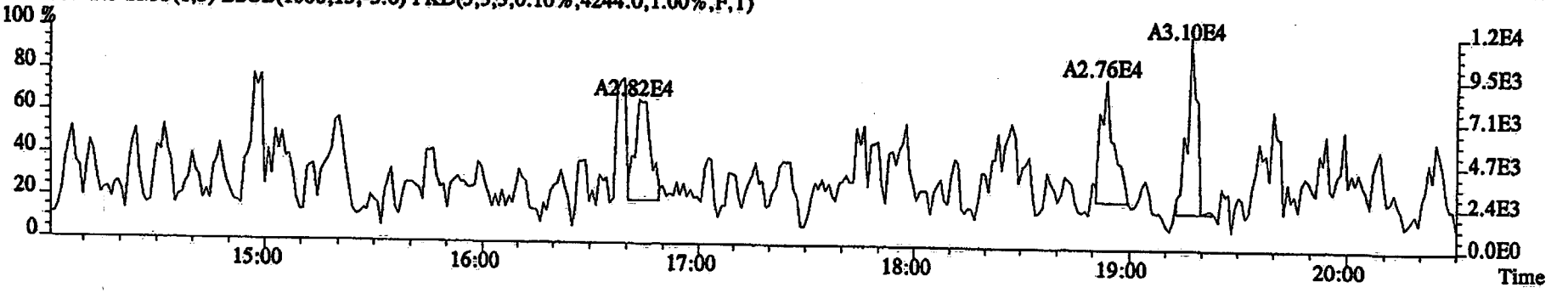
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1100.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12996.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



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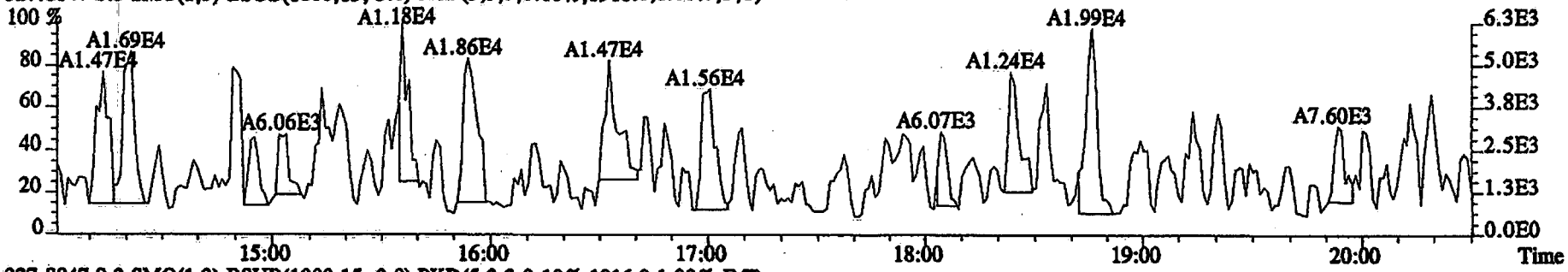
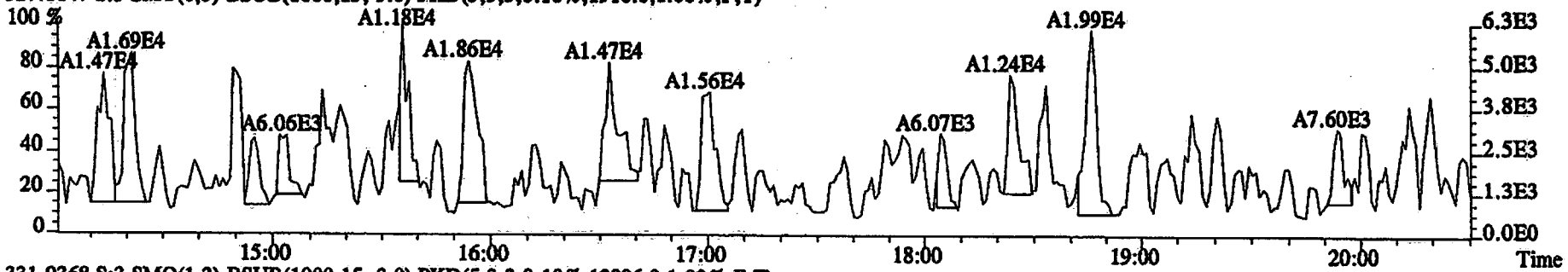
STL Edison
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

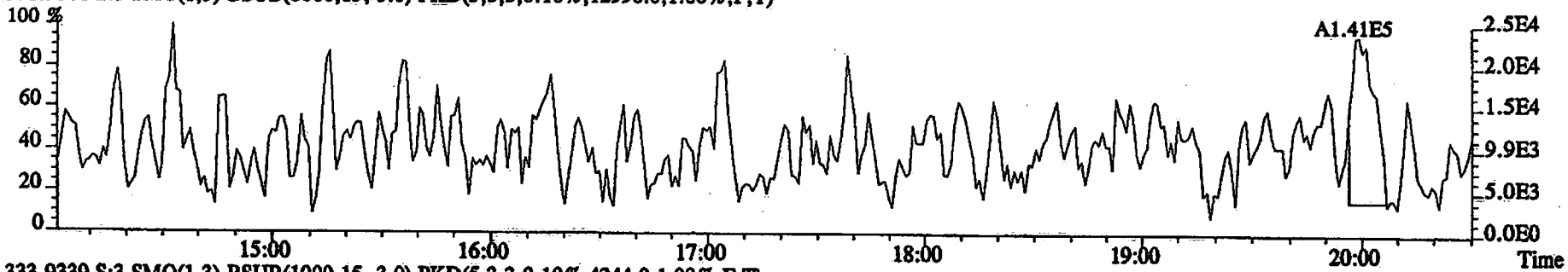
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1916.0,1.00%,F,T)



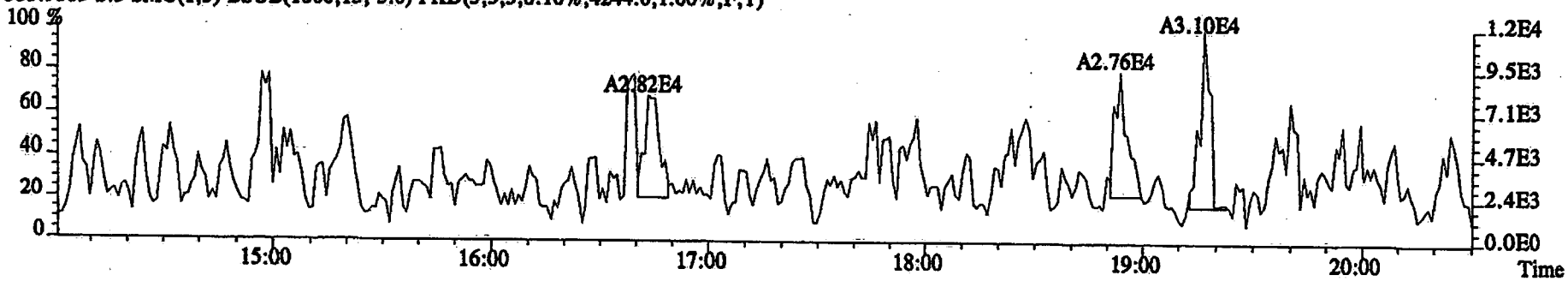
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1916.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12996.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



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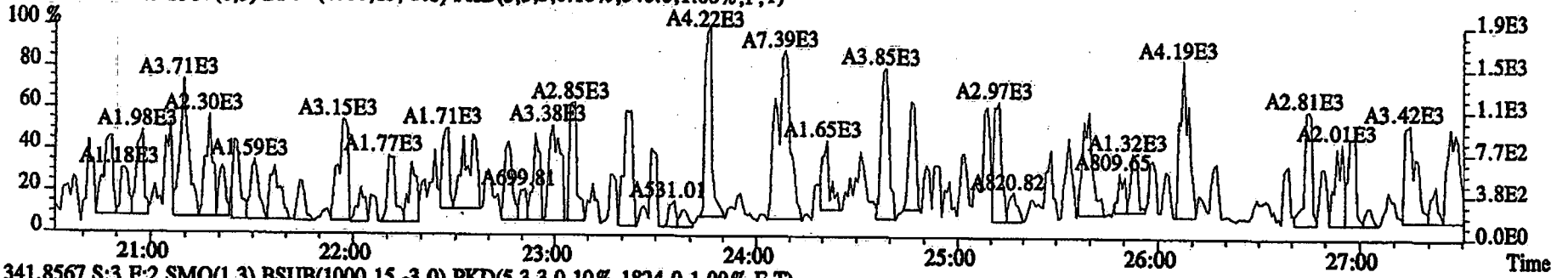
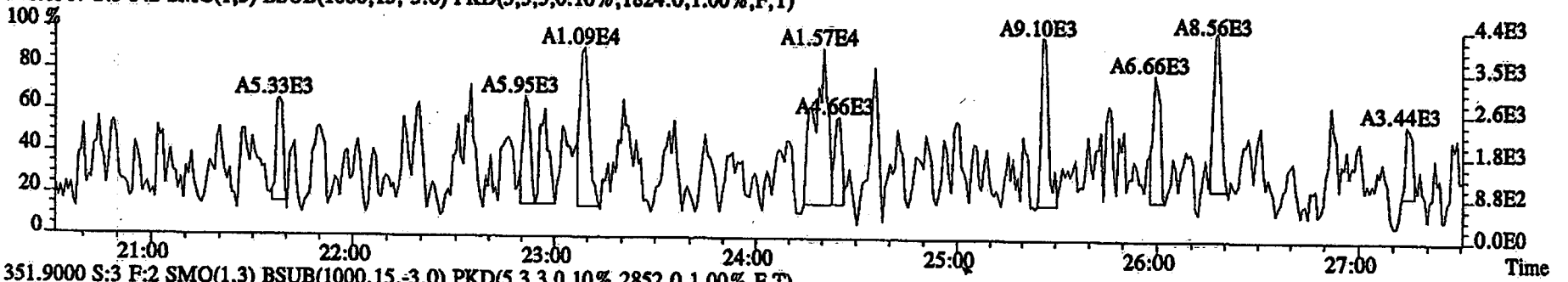
STL Edison
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

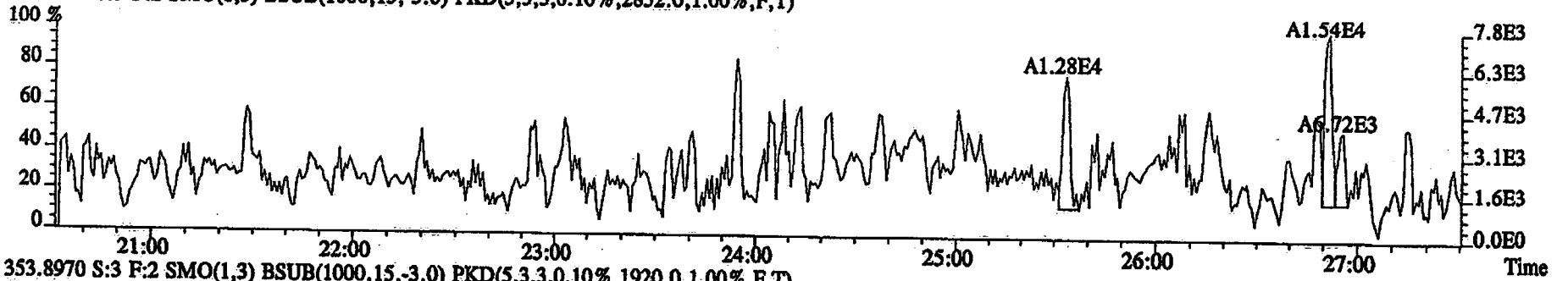
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,340.0,1.00%,F,T)



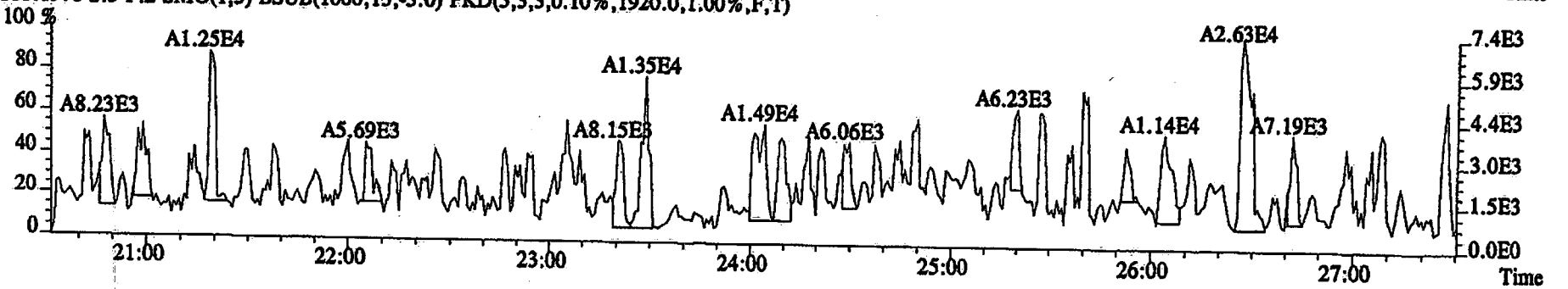
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2852.0,1.00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



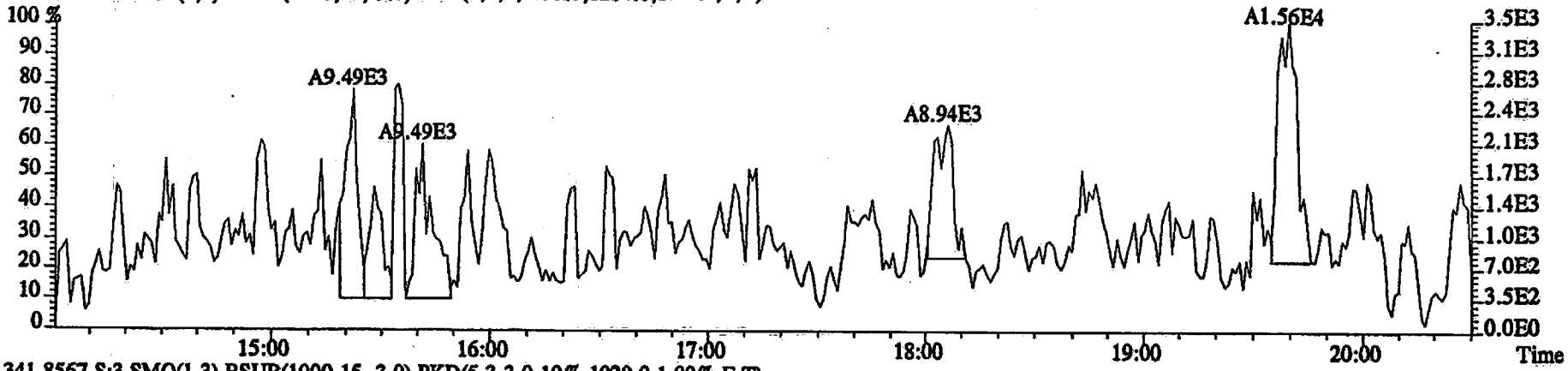
1099

STL Edison

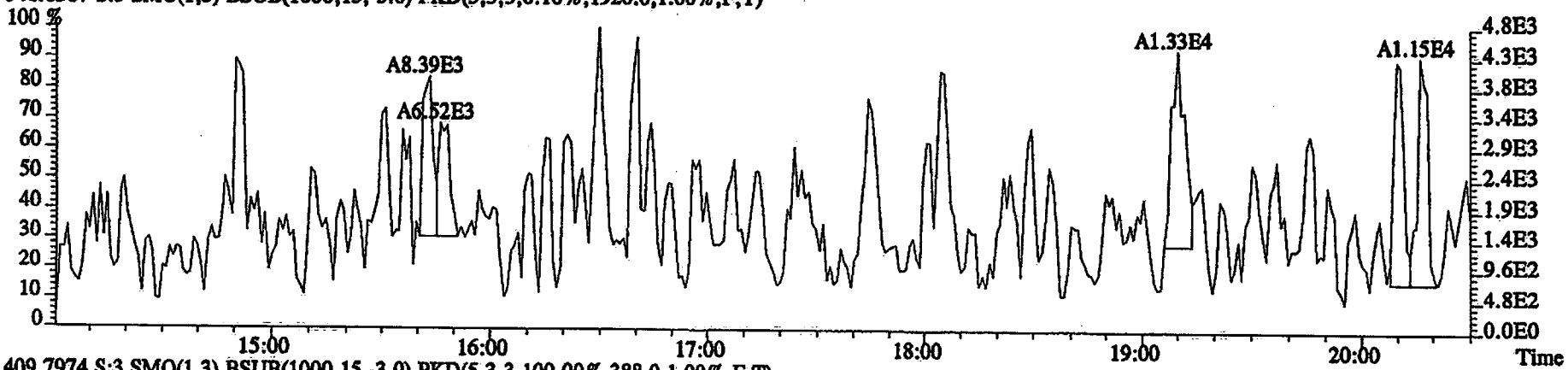
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

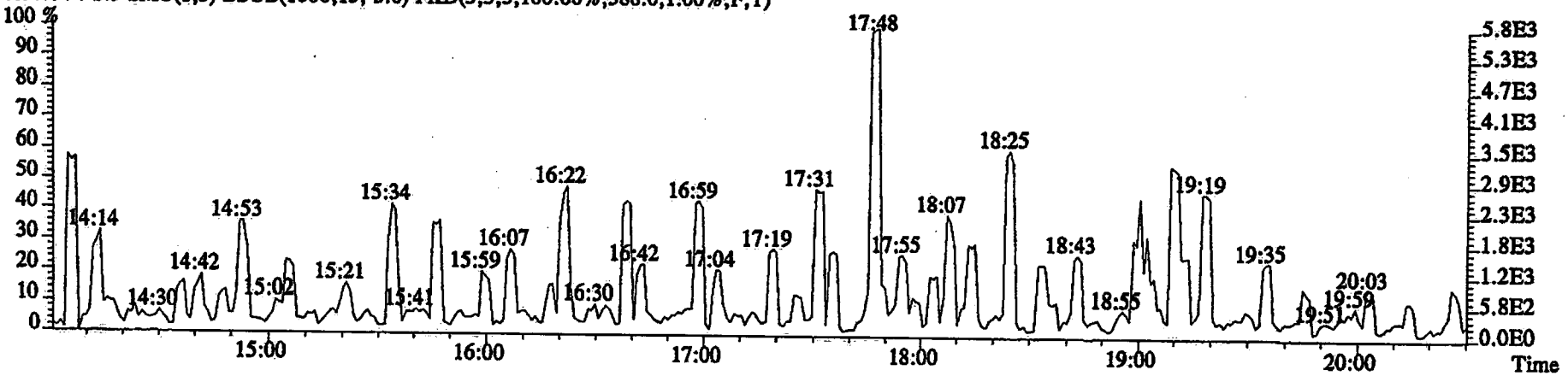
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)



341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,388.0,1.00%,F,T)



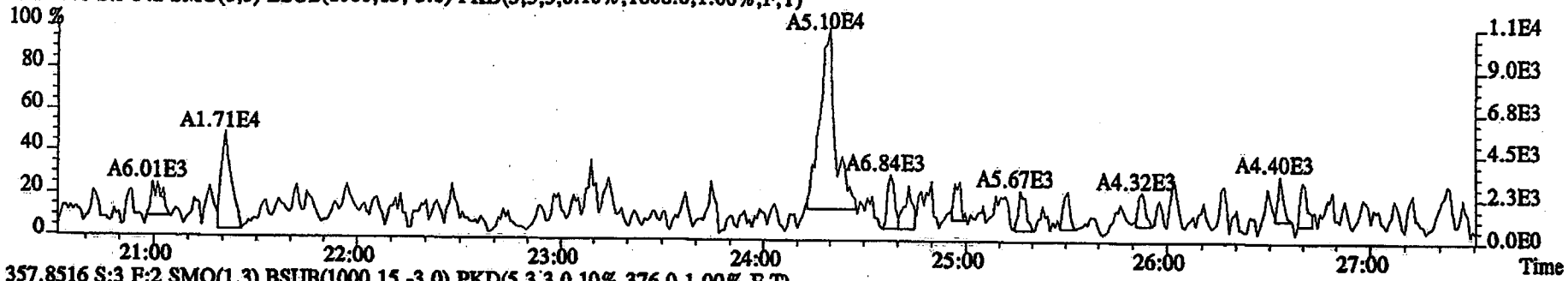
1100

STL Edison

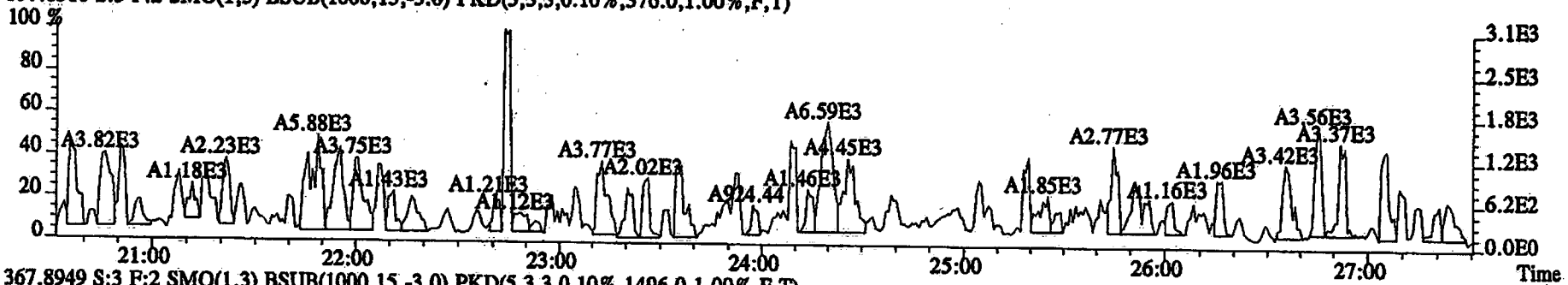
U855

File:21MR059D5 #1-557 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

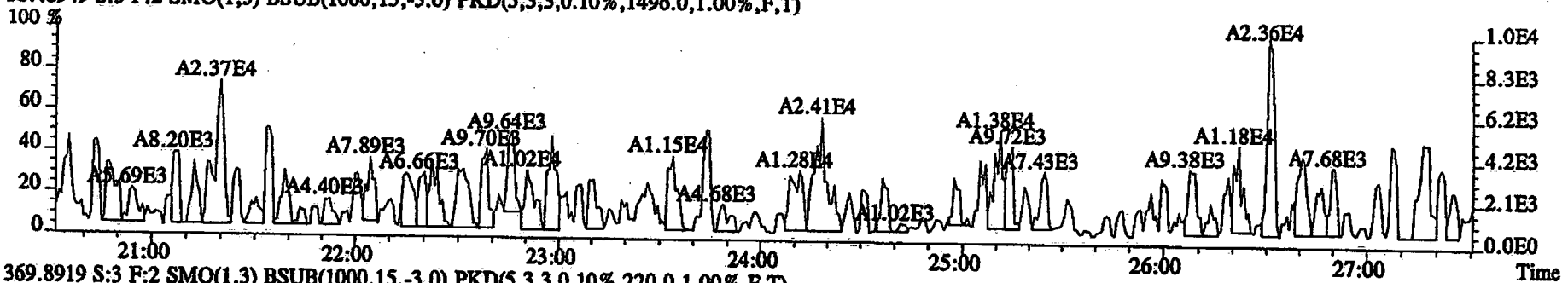
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1608.0,1.00%,F,T)



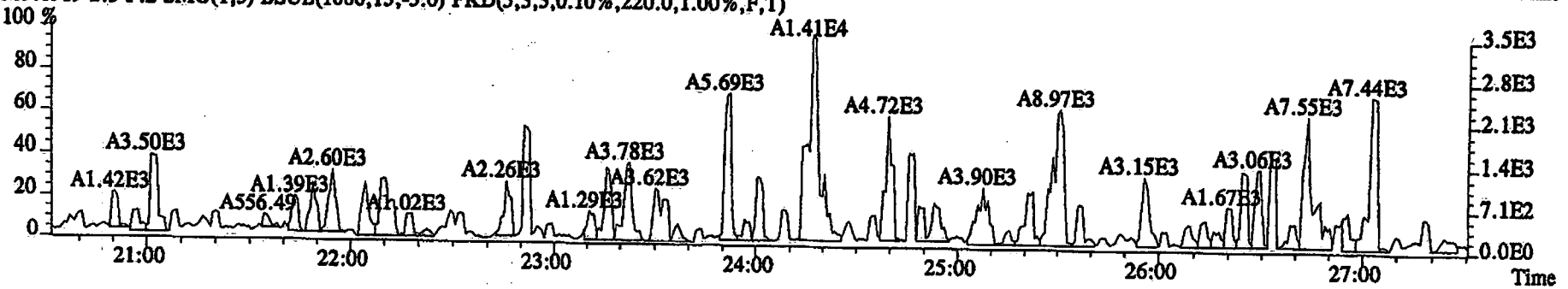
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,376.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1496.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)



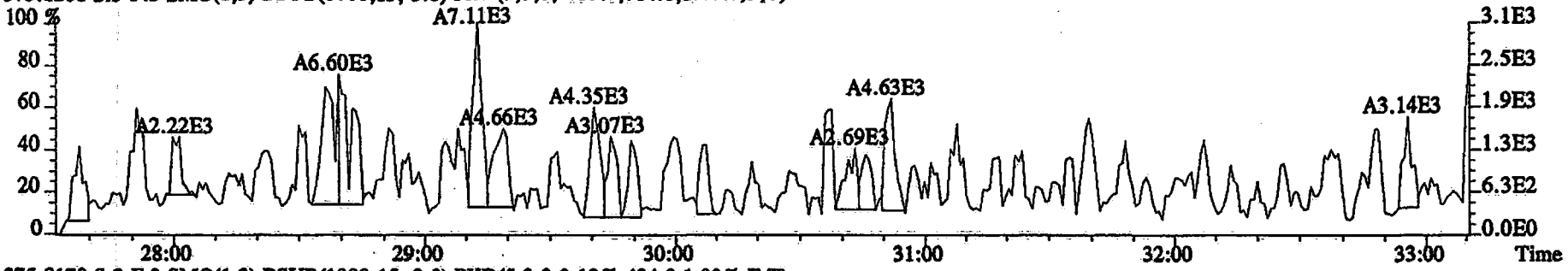
1101

STL Edison

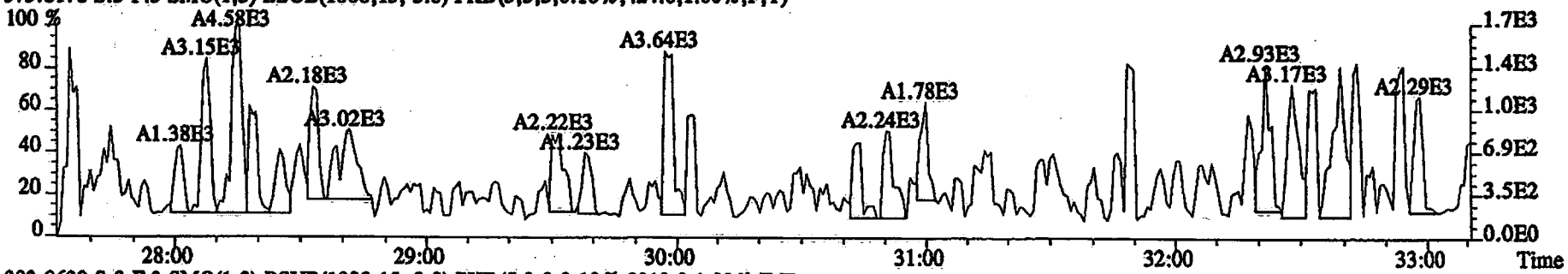
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

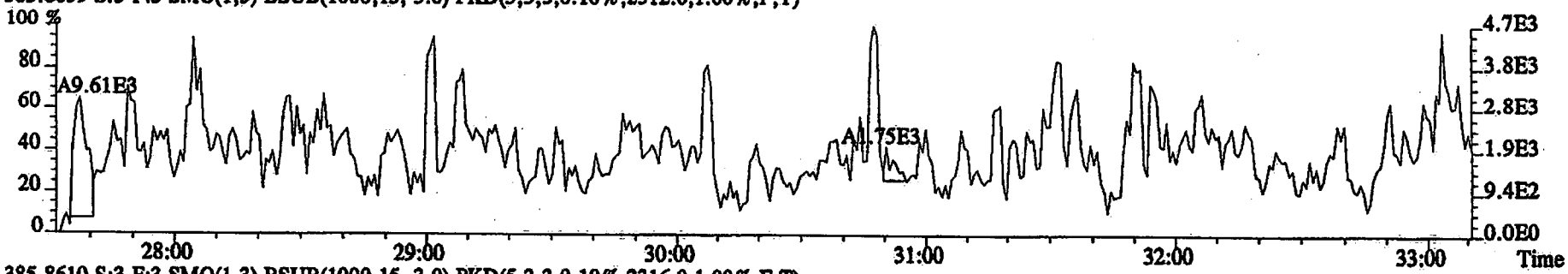
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,764.0,1.00%,F,T)



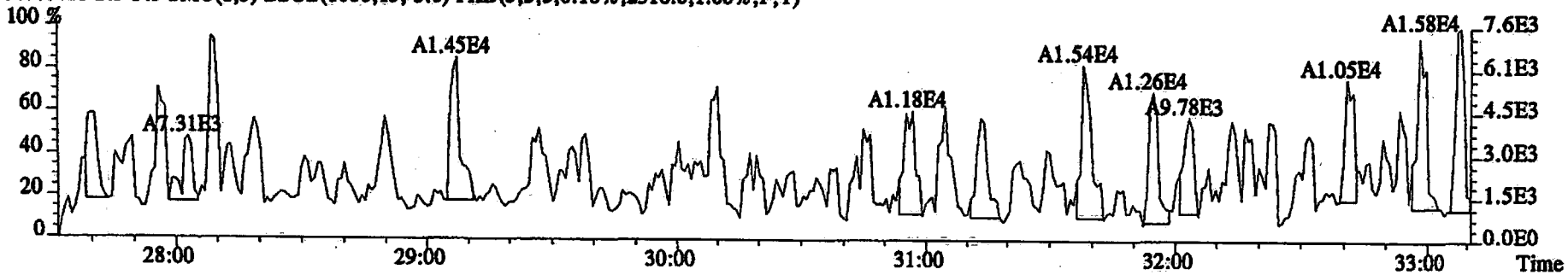
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,424.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2312.0,1.00%,F,T)



385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2316.0,1.00%,F,T)



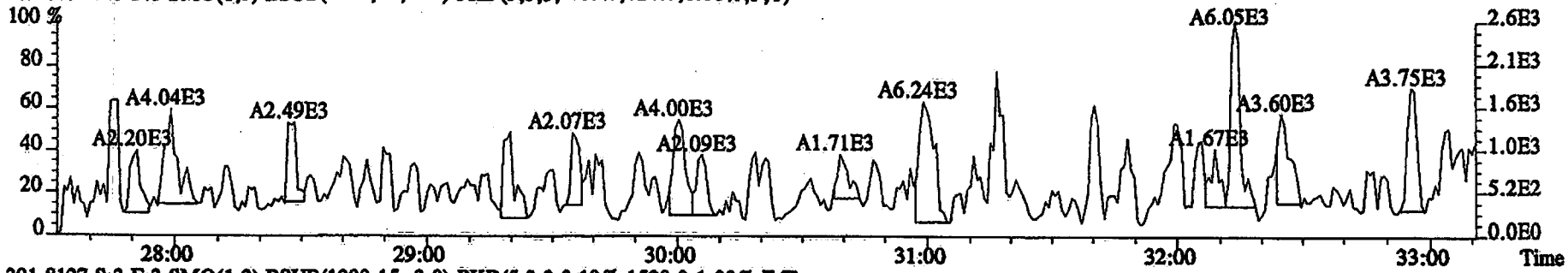
1102

STL Edison

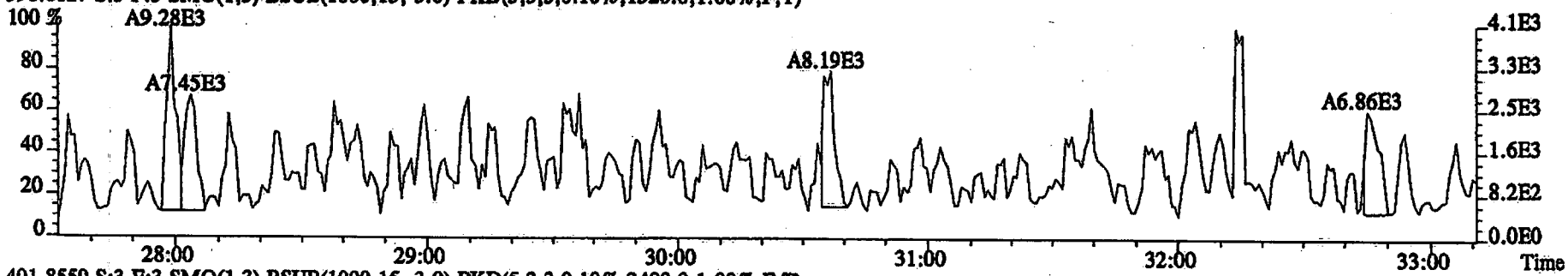
U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

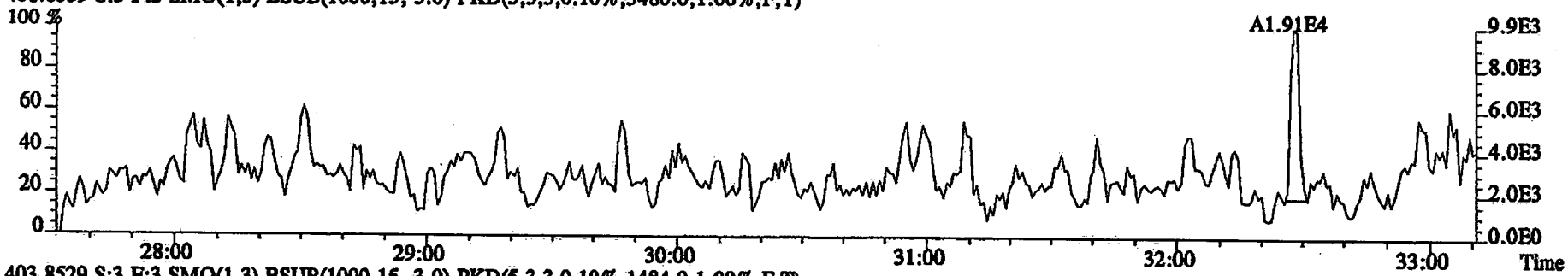
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,624.0,1.00%,F,T)



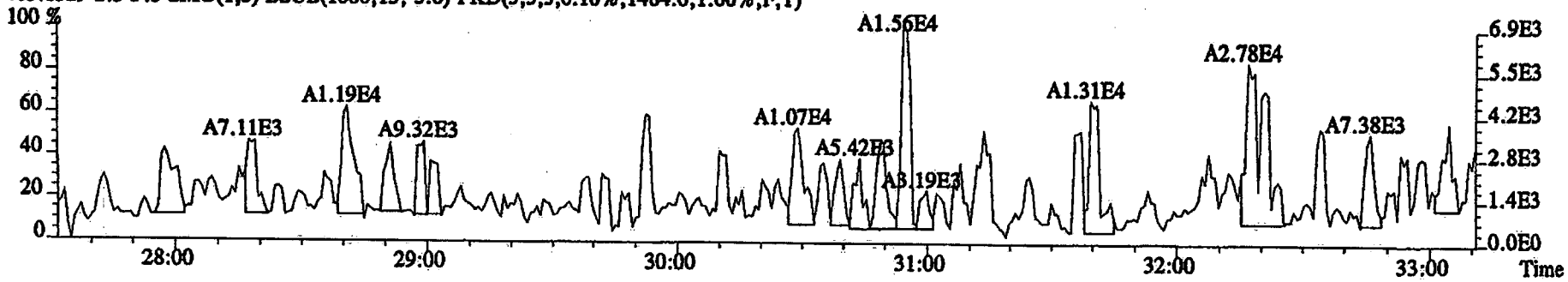
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1484.0,1.00%,F,T)



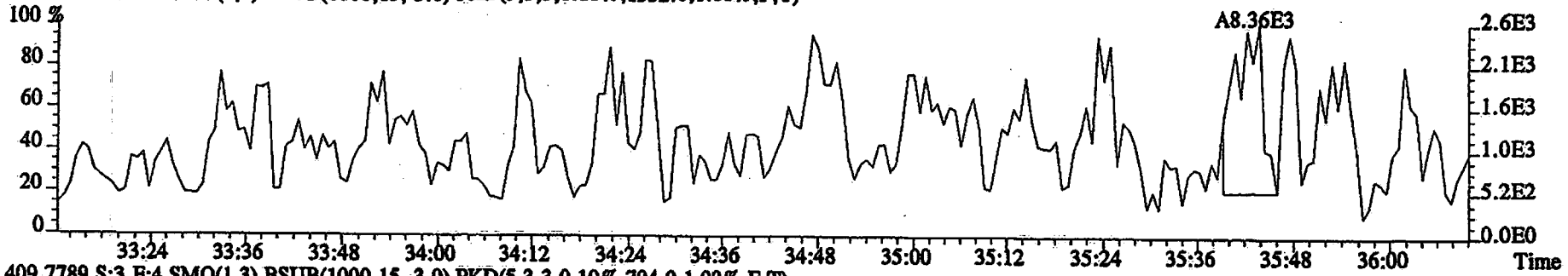
1103

STL Edison

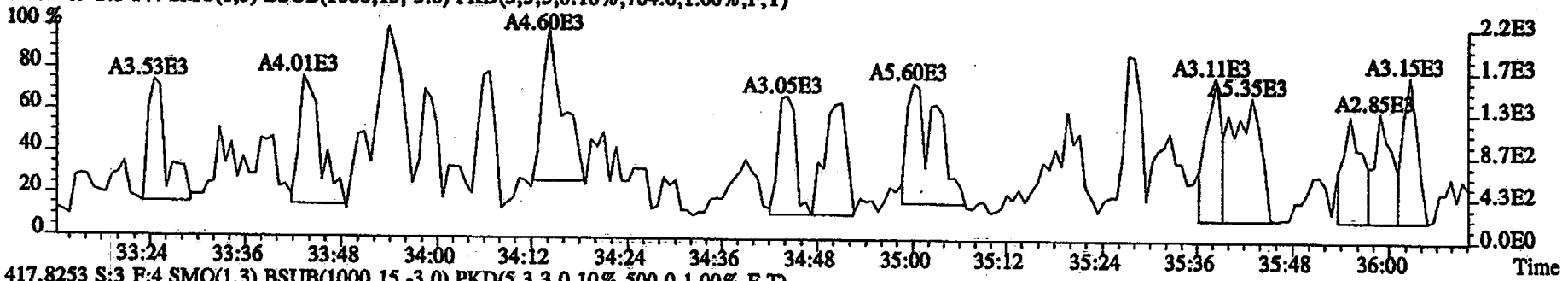
U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

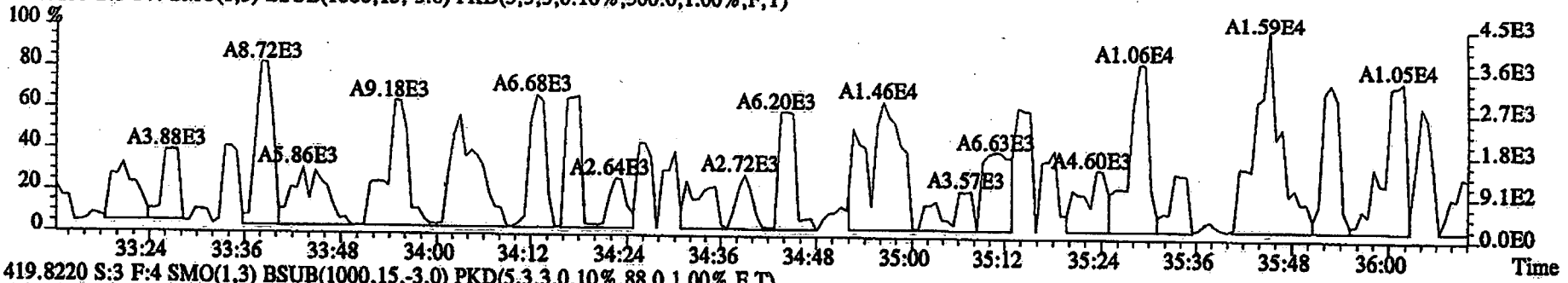
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)



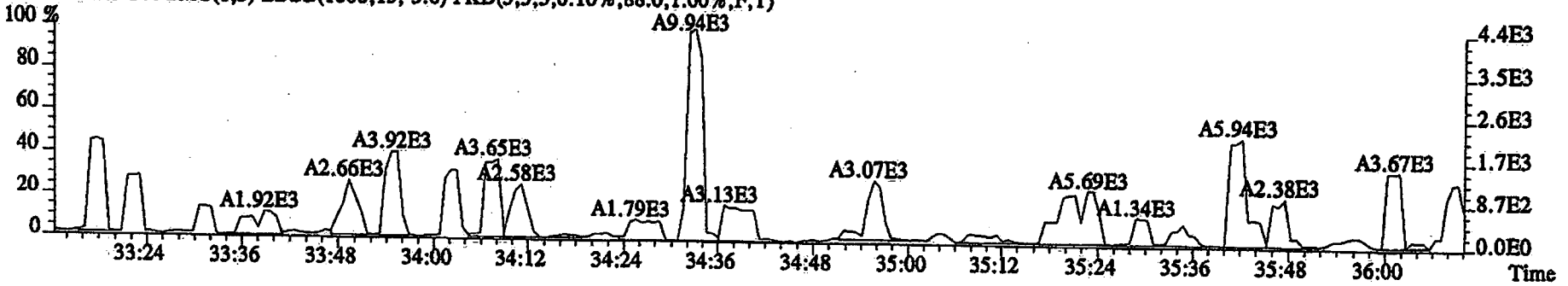
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704.0,1.00%,F,T)



417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,500.0,1.00%,F,T)



419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



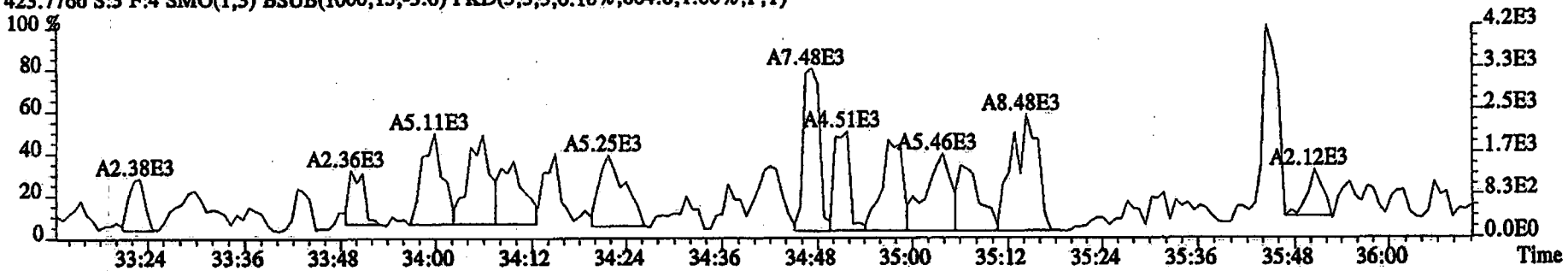
1104

STL Edison

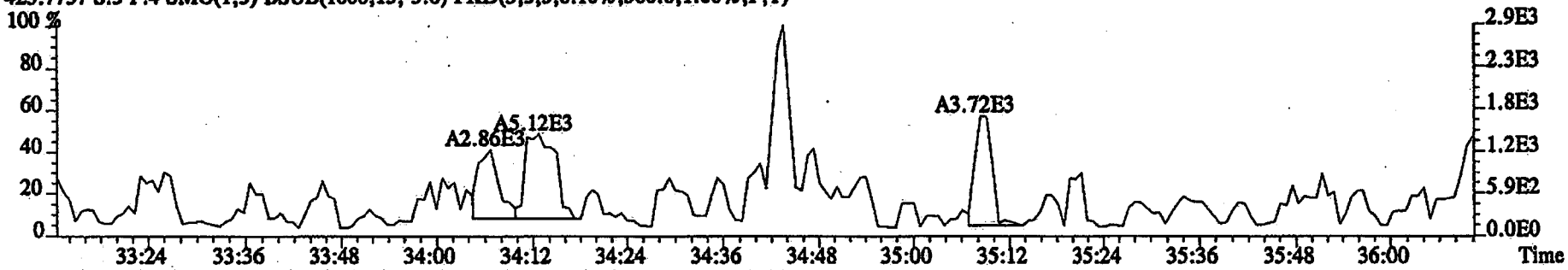
U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

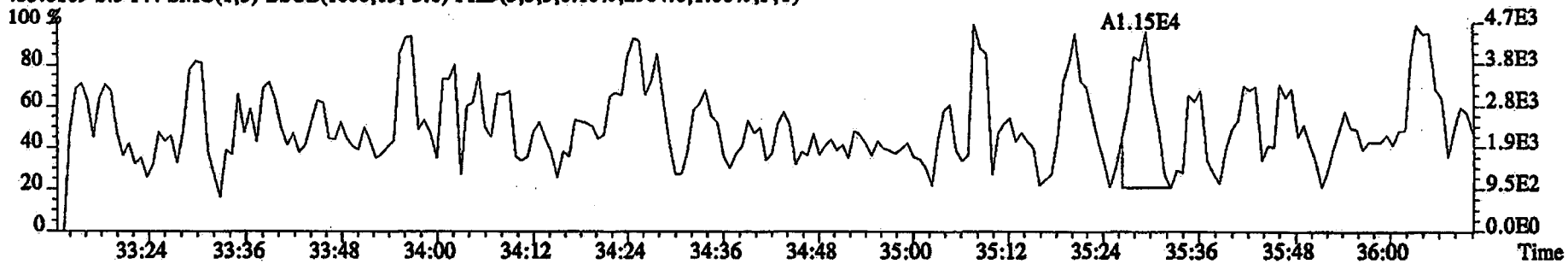
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



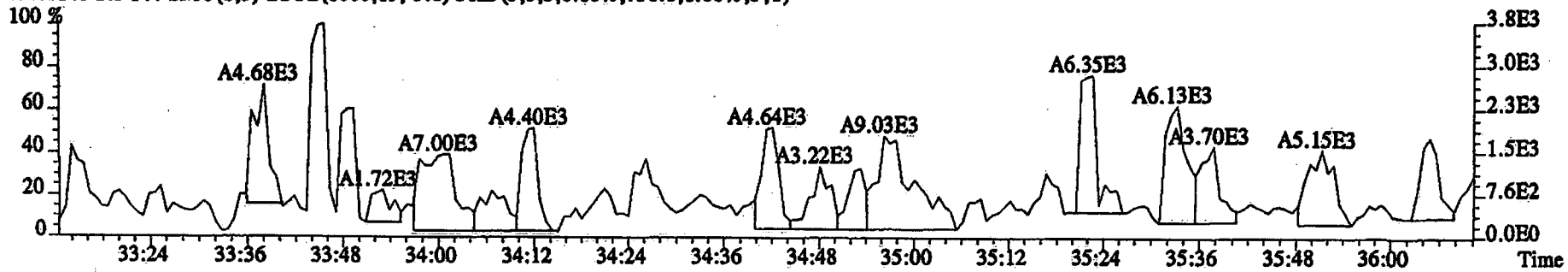
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,580.0,1.00%,F,T)



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)



437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)

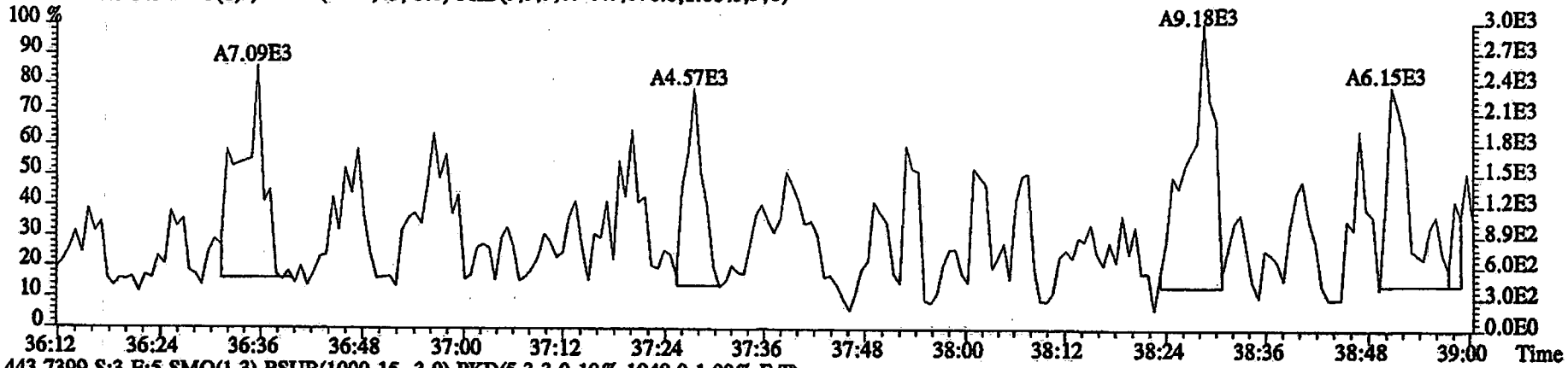


1105

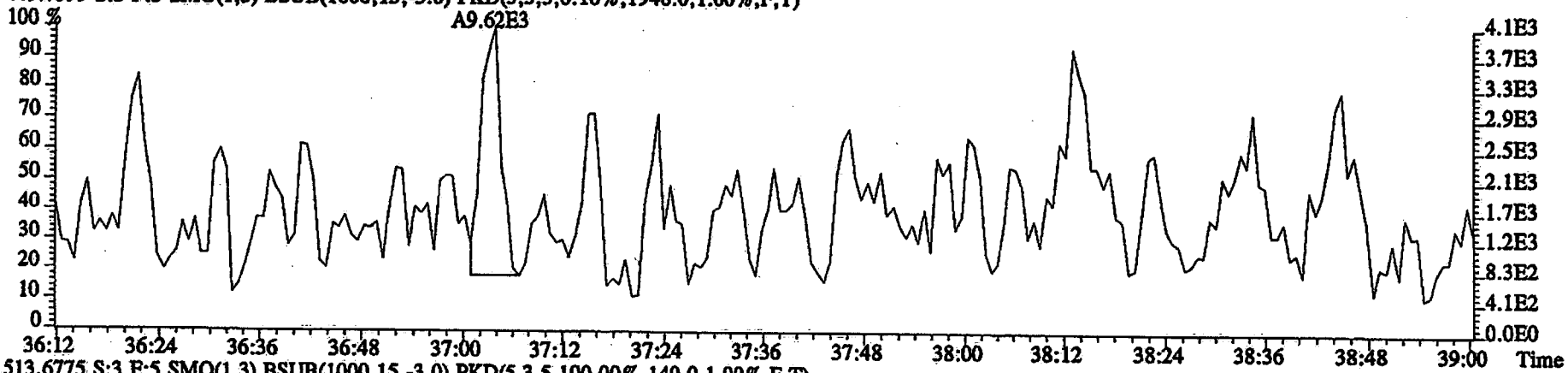
STL Edison

U855

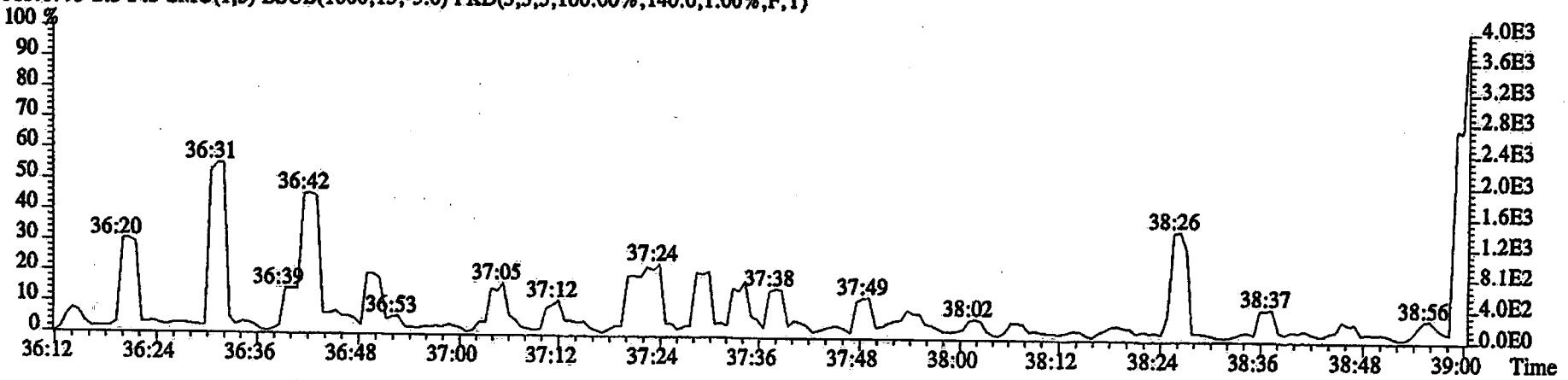
File:21MR059D5 #1-228 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,876.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1948.0,1.00%,F,T)



513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,140.0,1.00%,F,T)



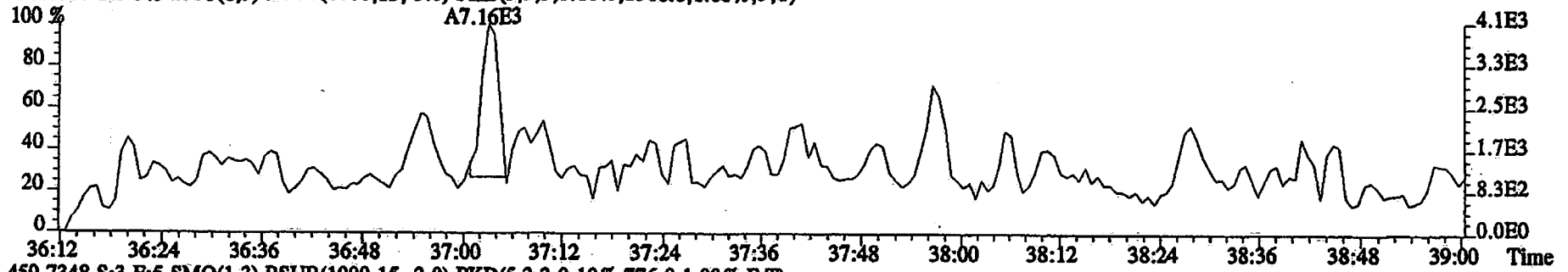
1106

STL Edison

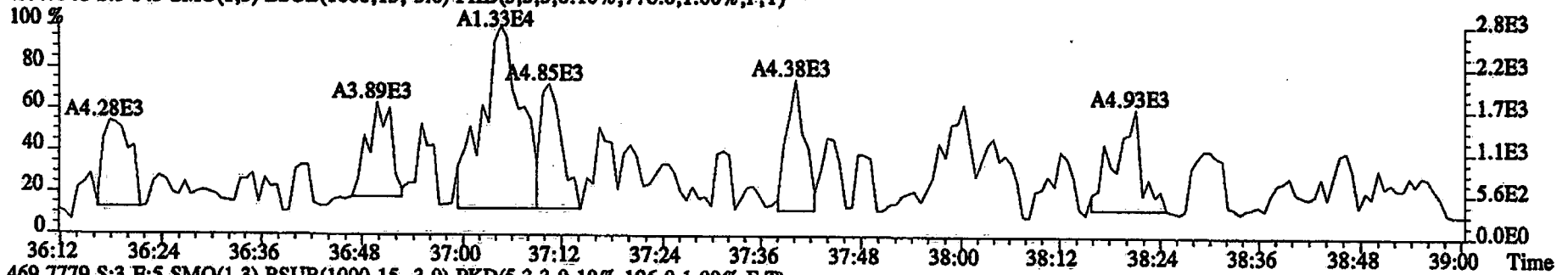
U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

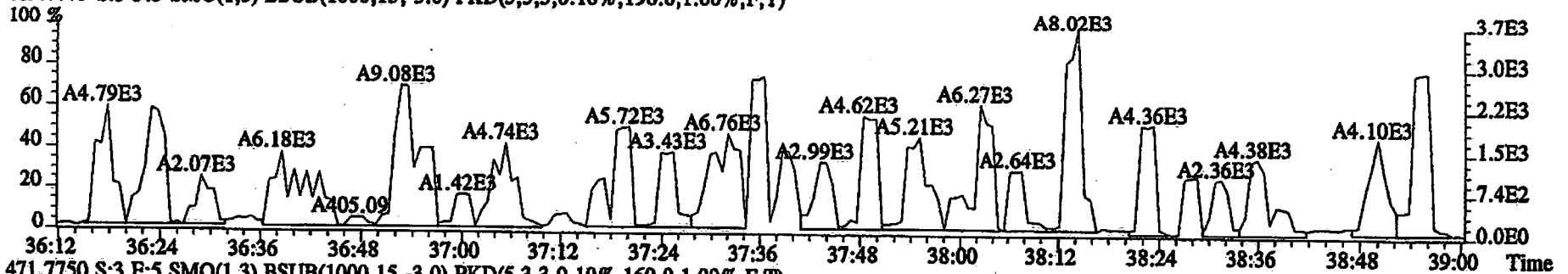
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1568.0,1.00%,F,T)



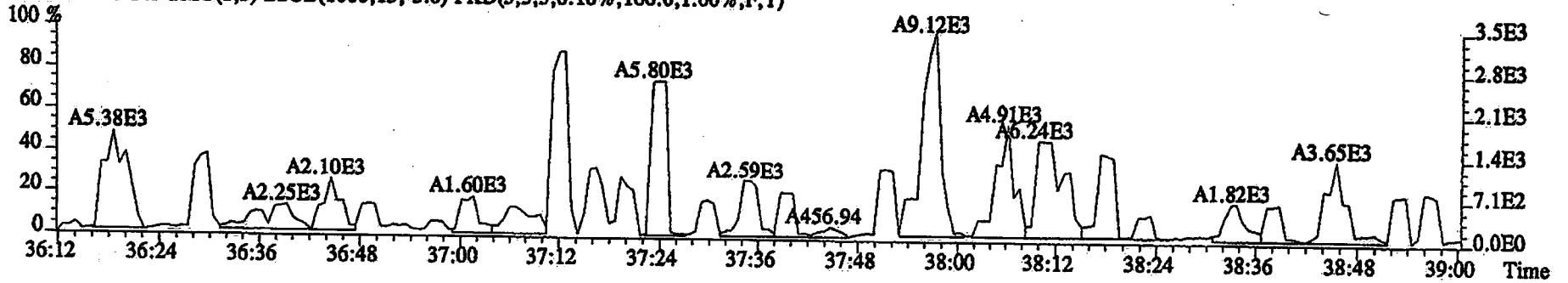
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,776.0,1.00%,F,T)



469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,196.0,1.00%,F,T)



471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)



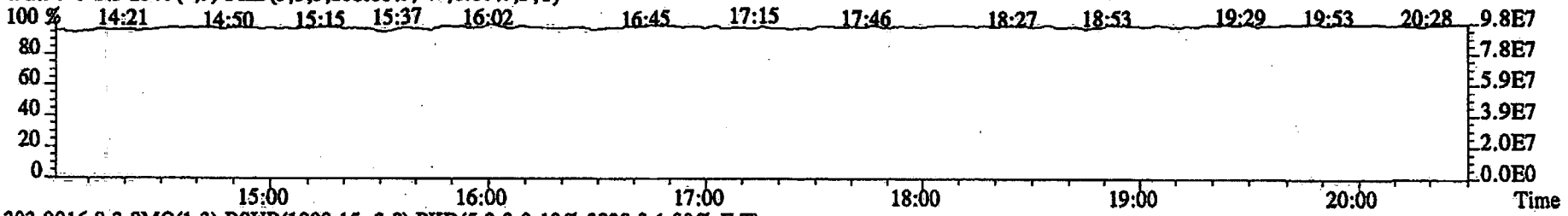
1107

STL Edison

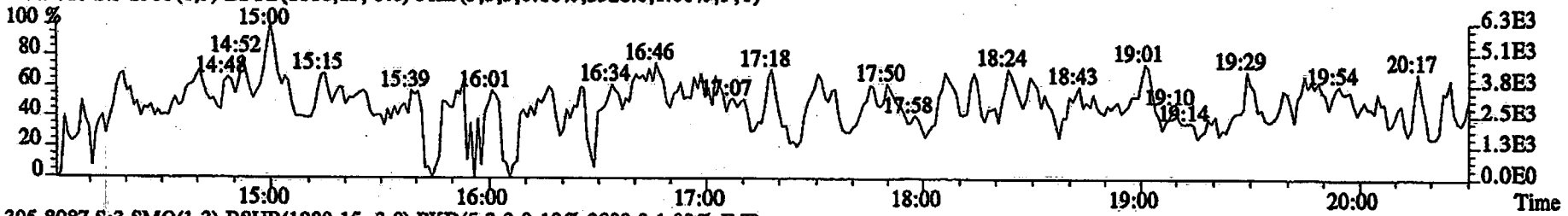
U855

File:21MR059D5 #1-404 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

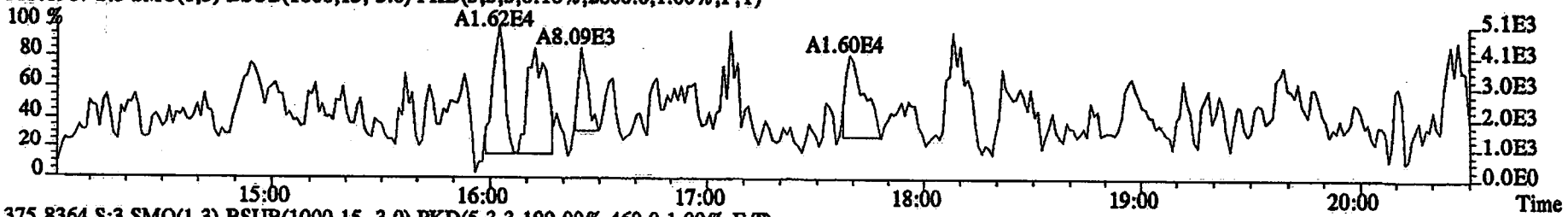
292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



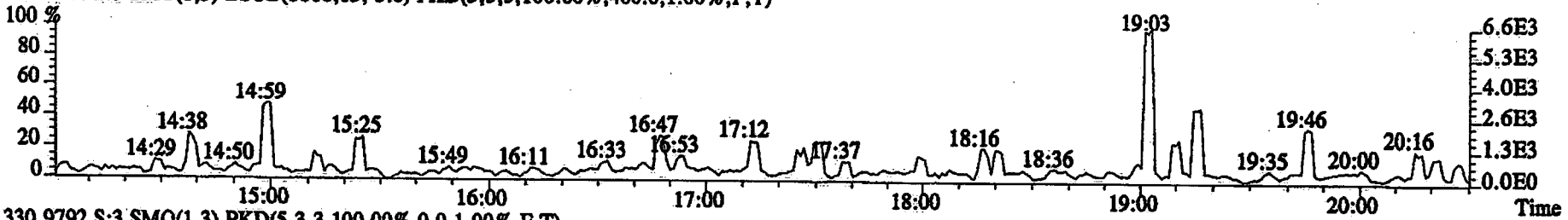
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928.0,1.00%,F,T)



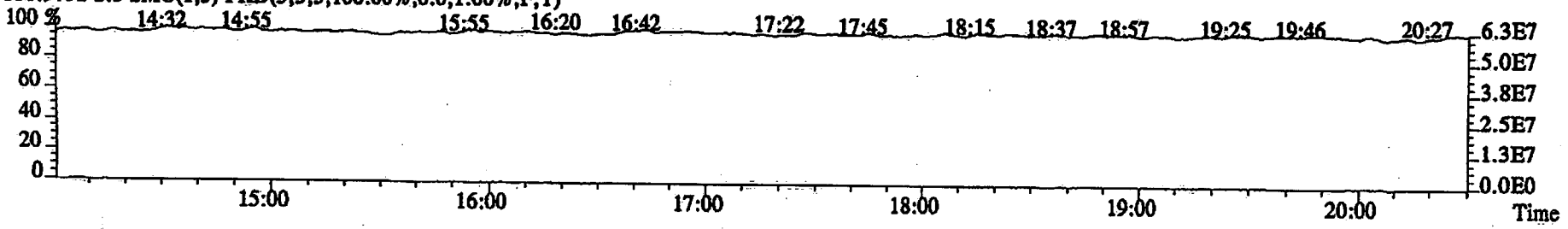
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,460.0,1.00%,F,T)

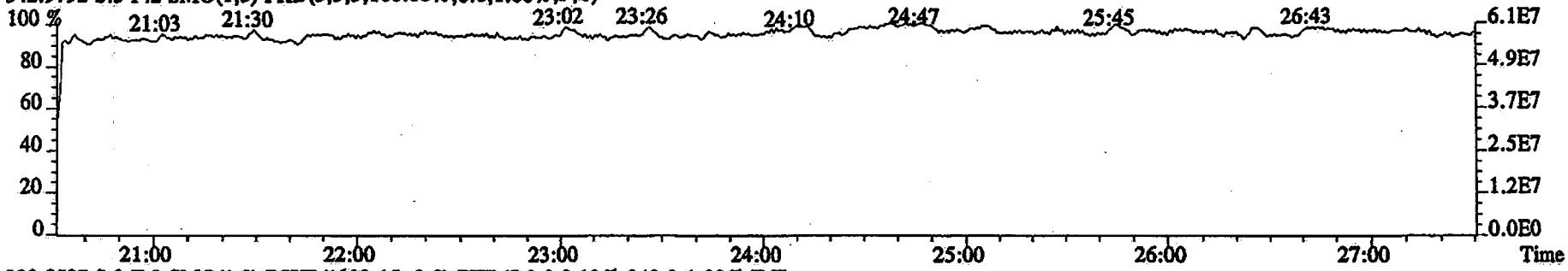


330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

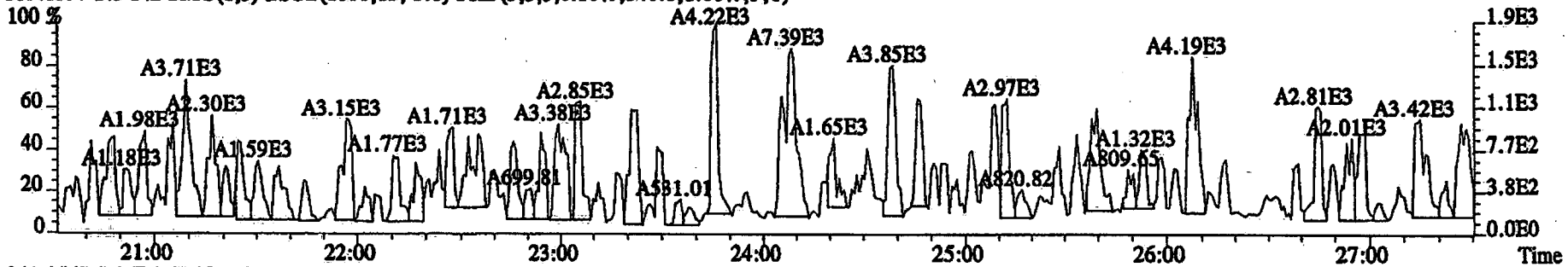


1108
STL Edison
U855

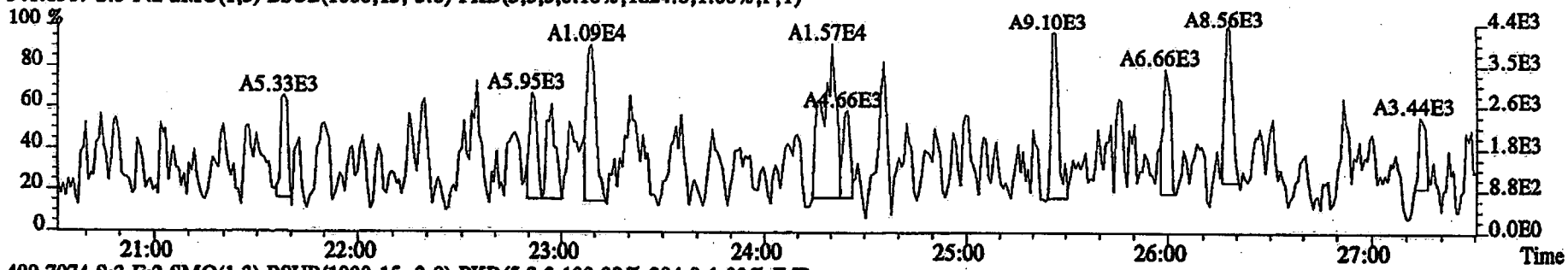
File:21MR059D5 #1-557 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



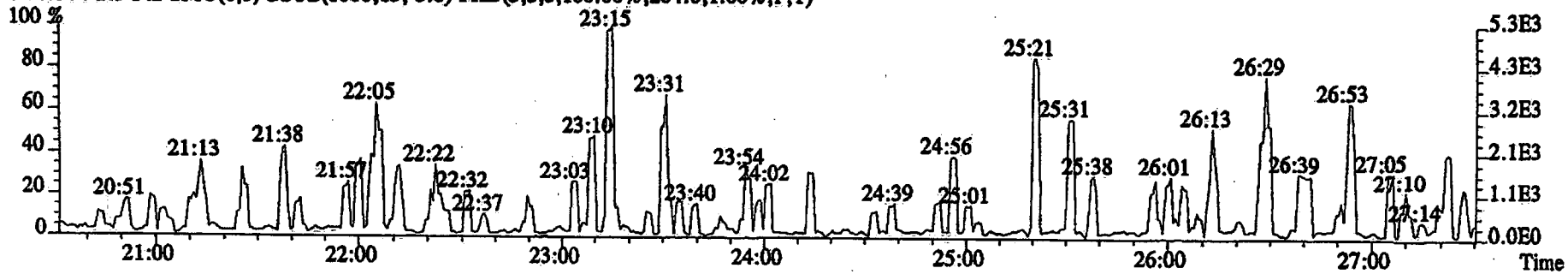
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,340.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,204.0,1.00%,F,T)

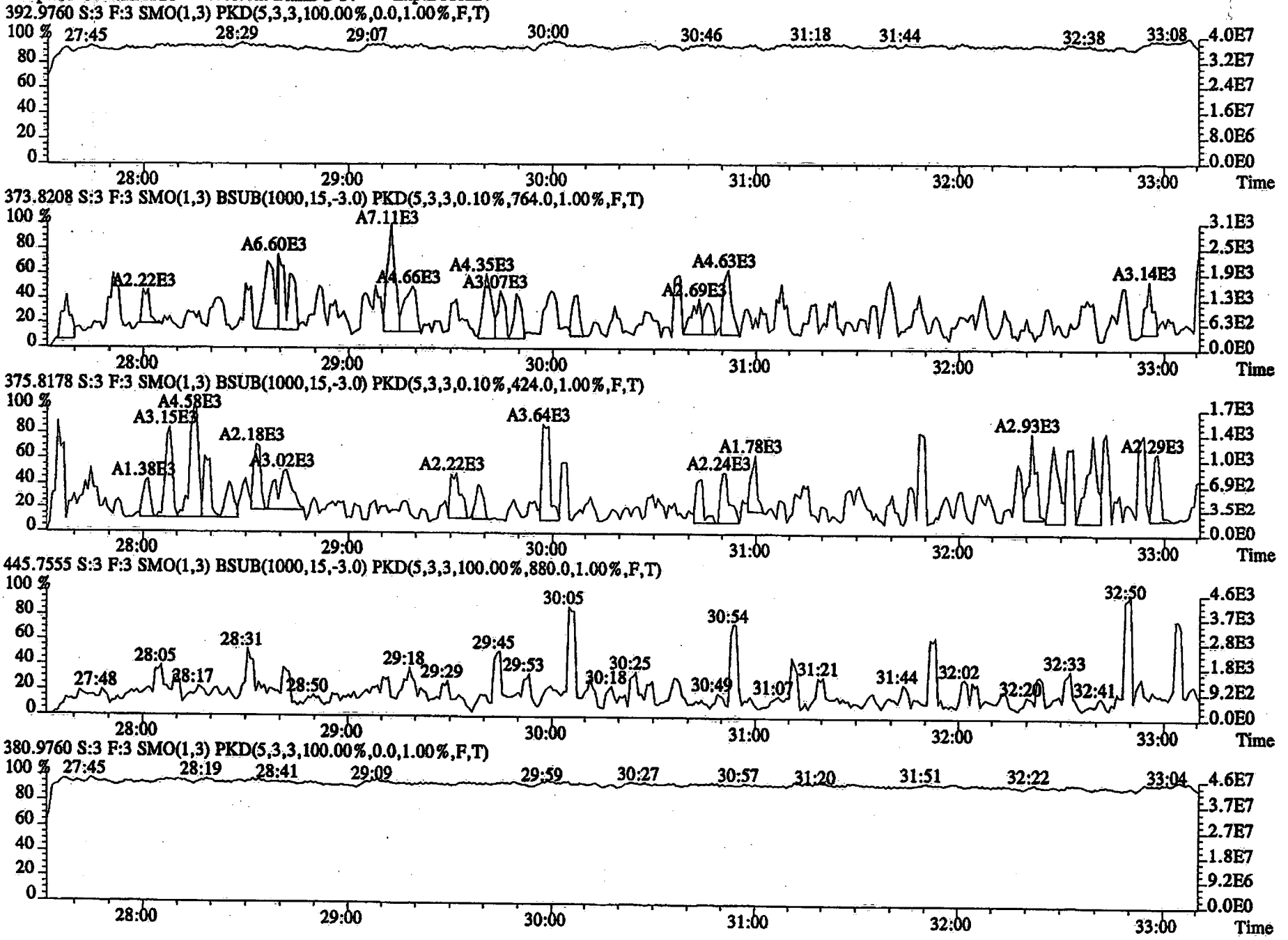


1109

STL Edison

U855

File:21MR059D5 #1-428 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

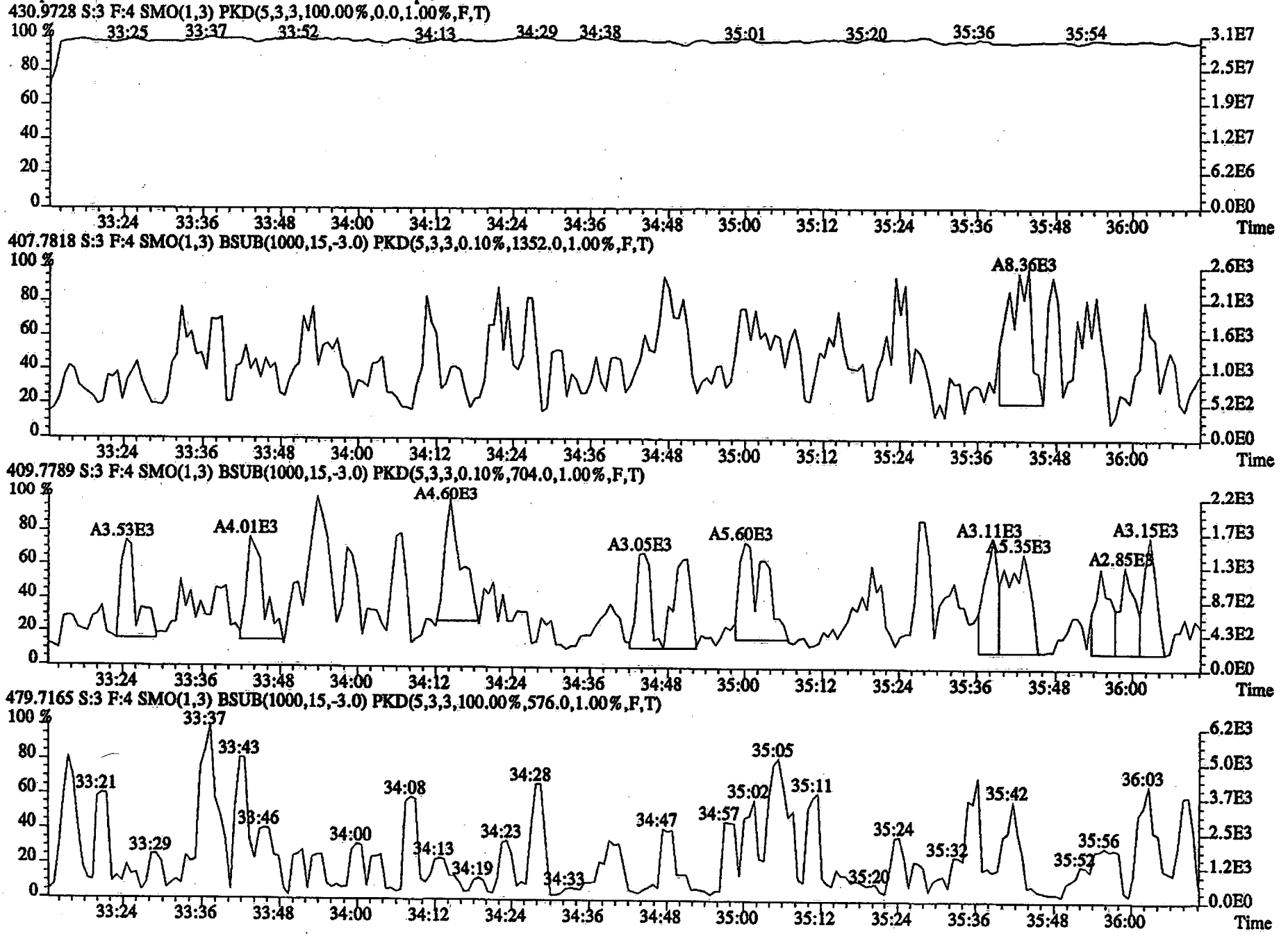


1110

STL Edison

U855

File:21MR059D5 #1-237 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN

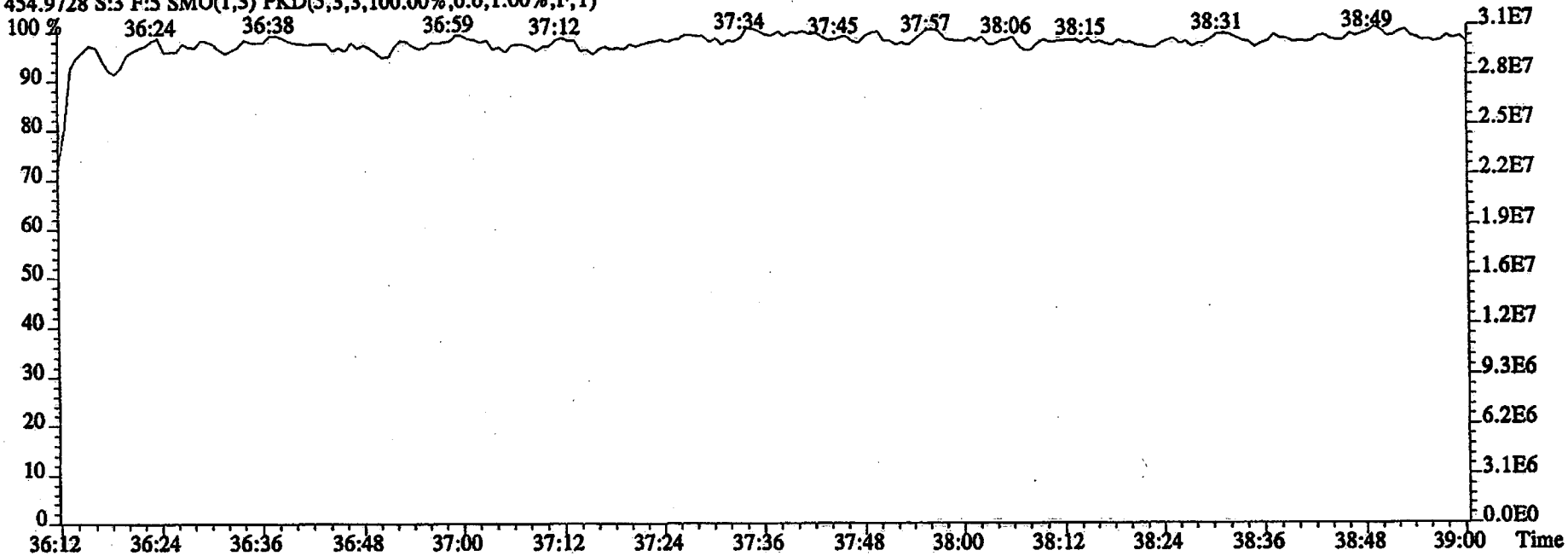


1111

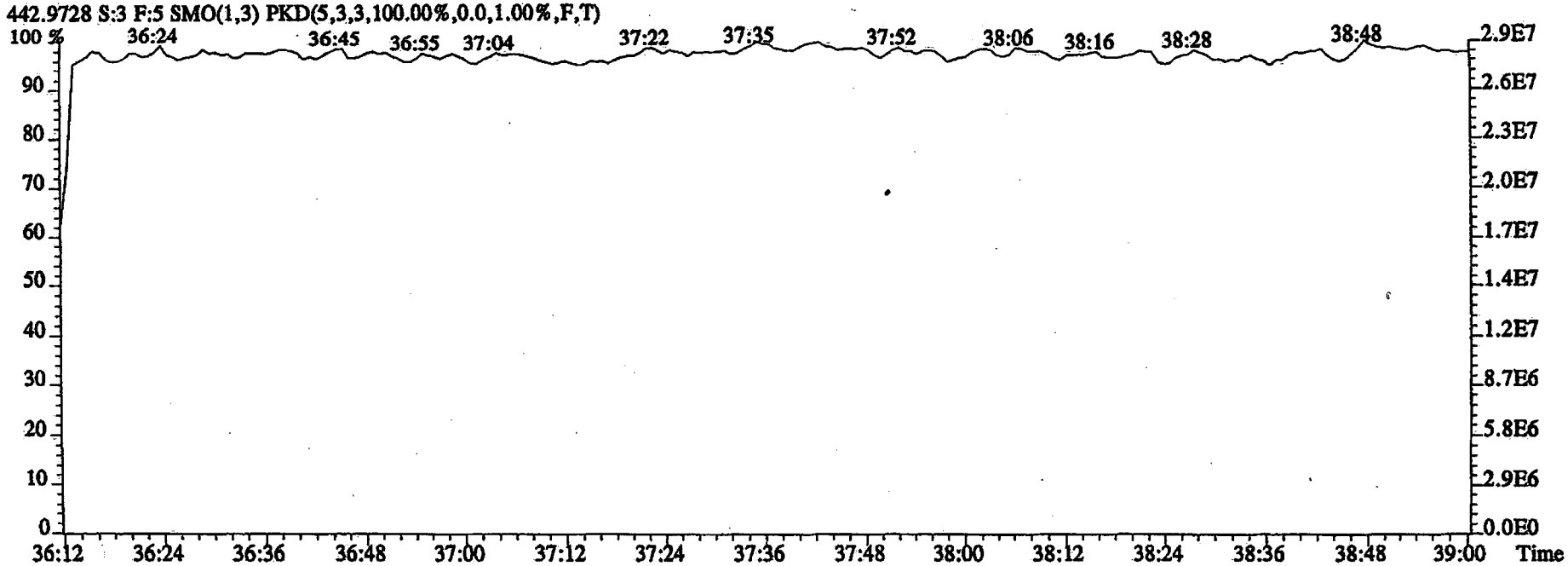
STL Edison

U855

File:21MR059D5 #1-228 Acq:21-MAR-2005 17:54:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0321 :Solvent Blank C-14 Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



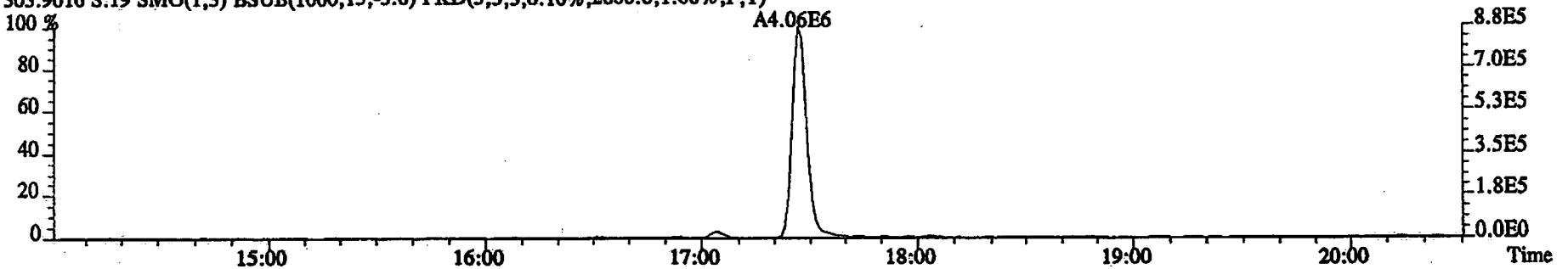
442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



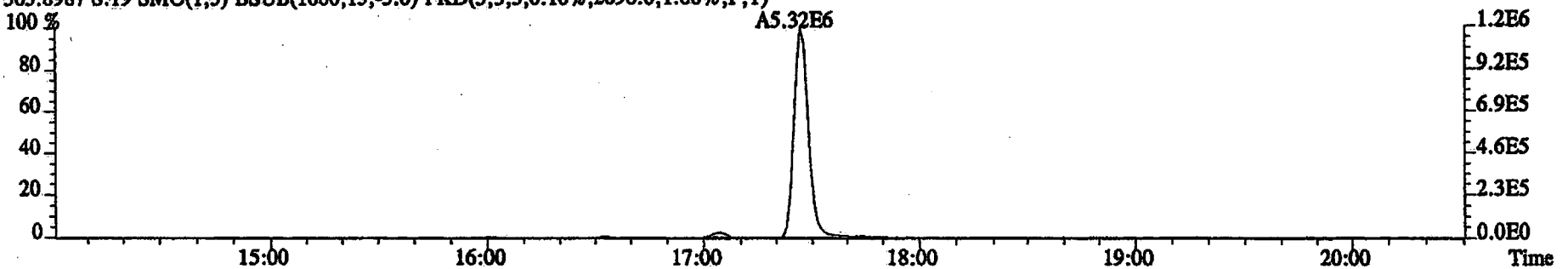
1112
STL Edison
U855

File:21MR059D5 #1-404 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

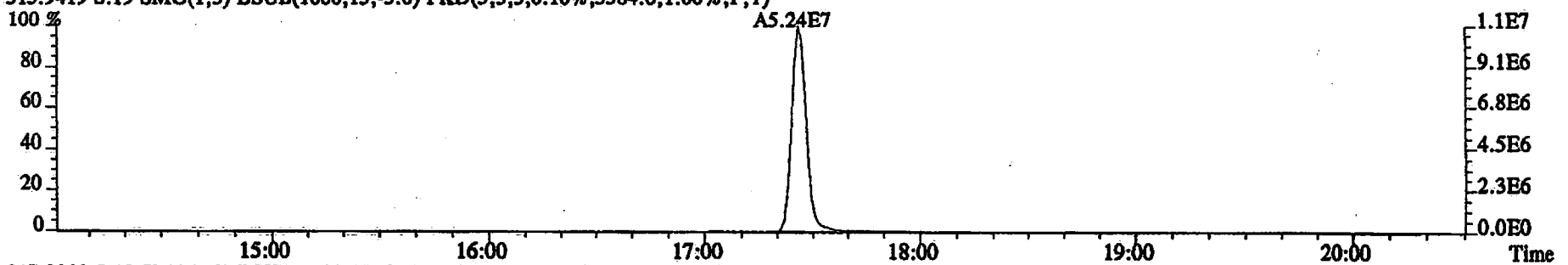
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



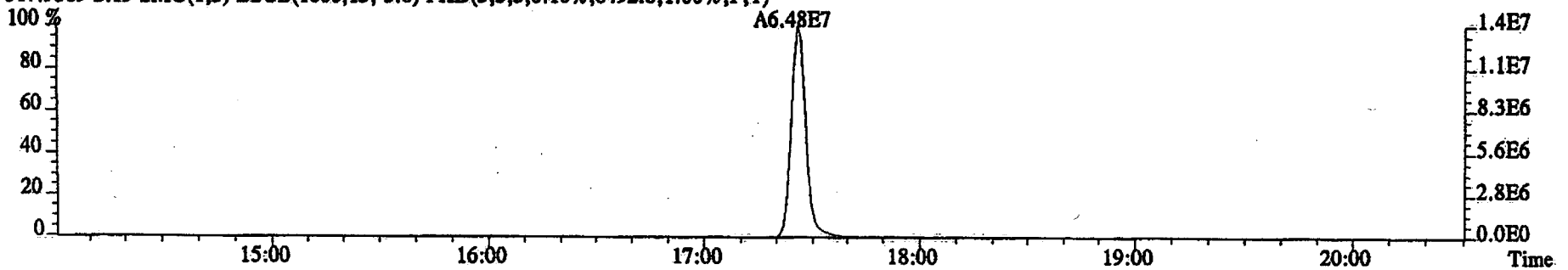
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



315.9419 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5584.0,1.00%,F,T)



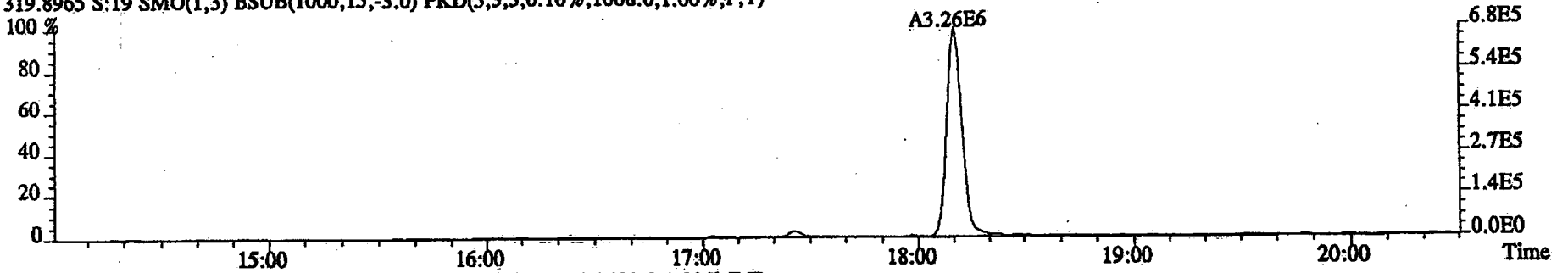
317.9389 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8492.0,1.00%,F,T)



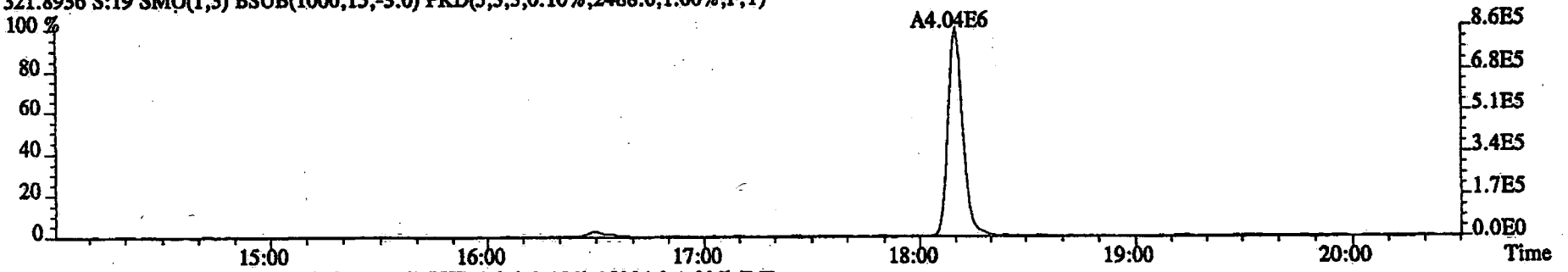
1113
STL Edison
U855

File:21MR059D5 #1-404 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

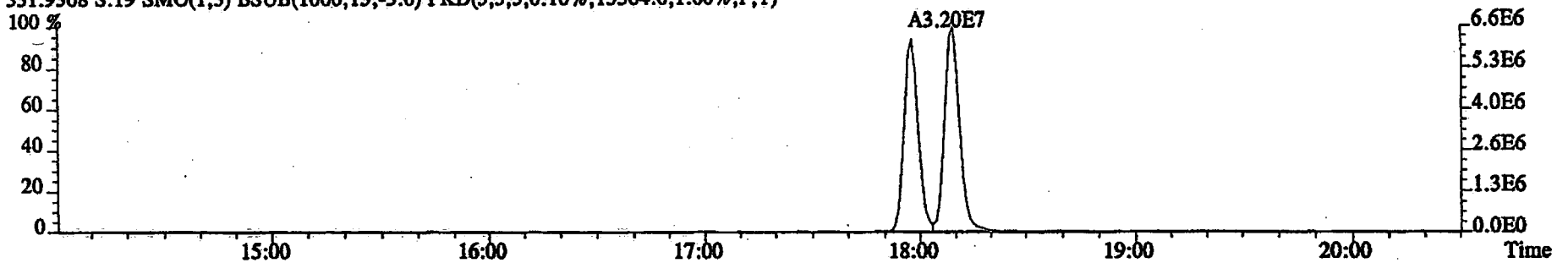
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1068.0,1.00%,F,T)



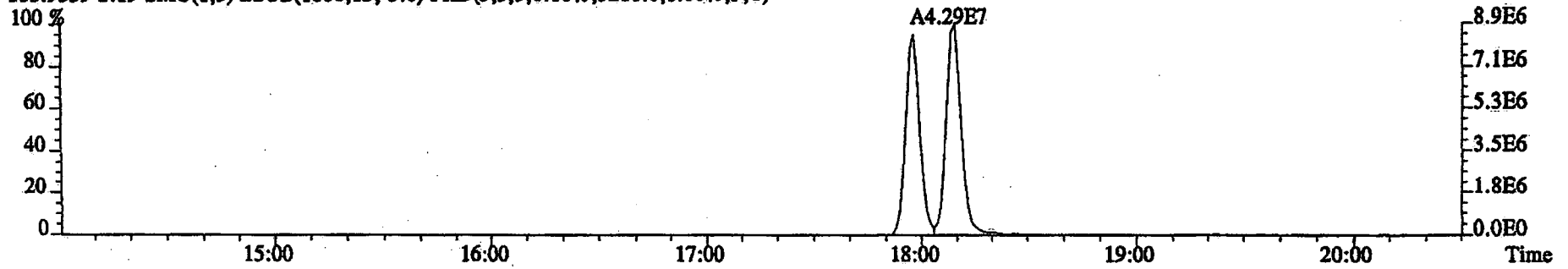
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2488.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15304.0,1.00%,F,T)



333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)



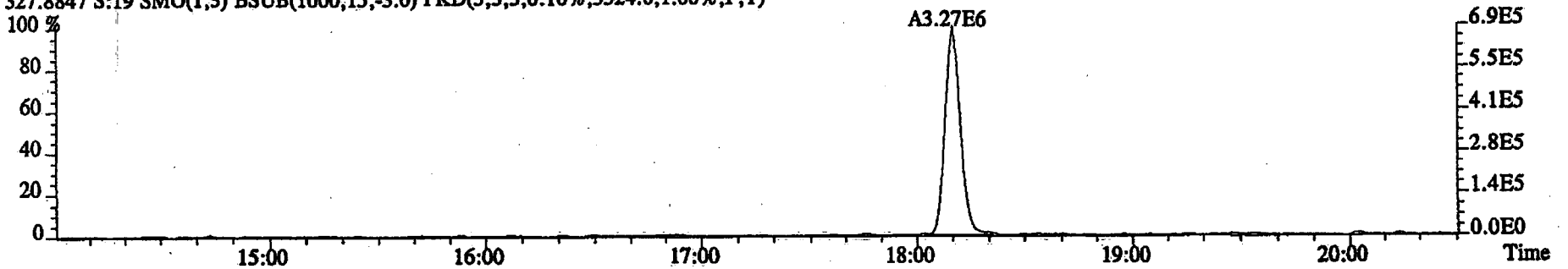
1114

STL Edison

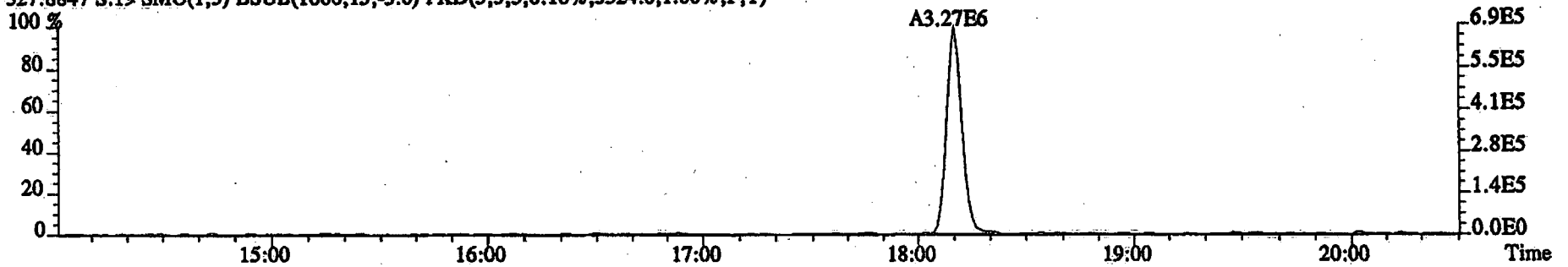
U855

File:21MR059D5 #1-404 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

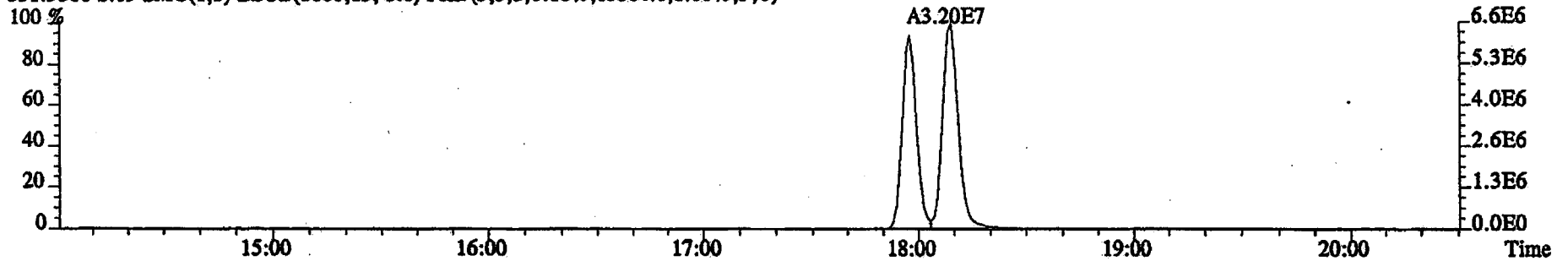
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



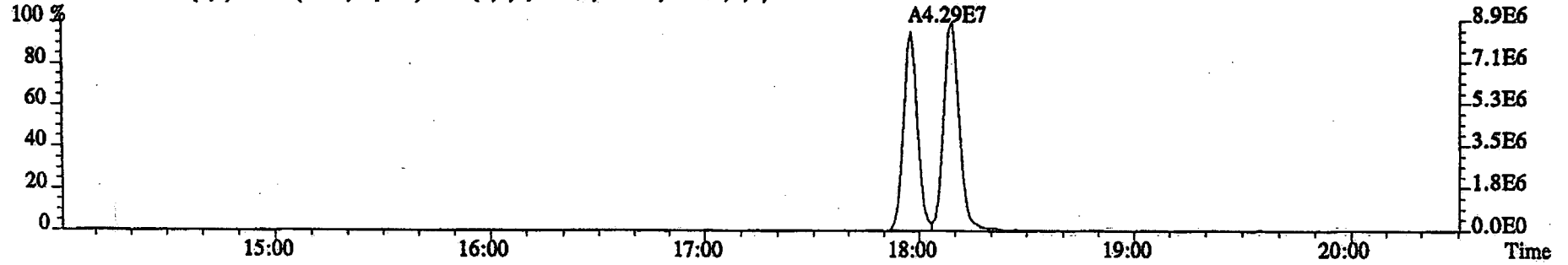
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15304.0,1.00%,F,T)



333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)



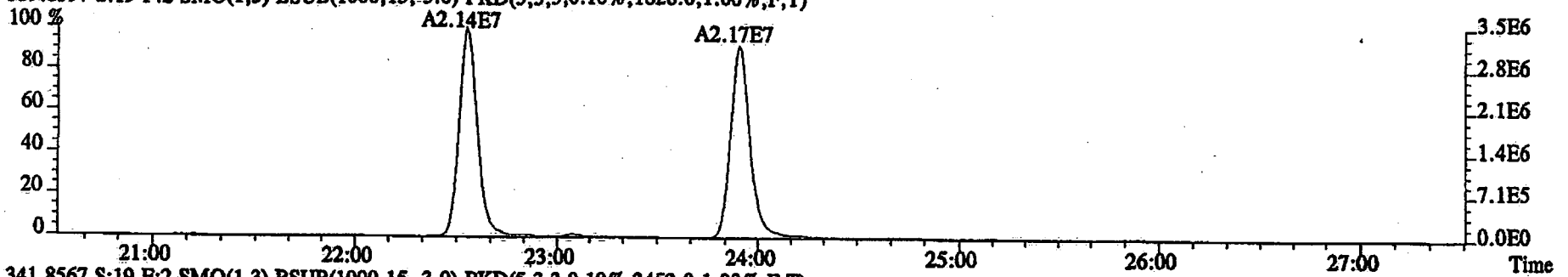
1115

STL Edison

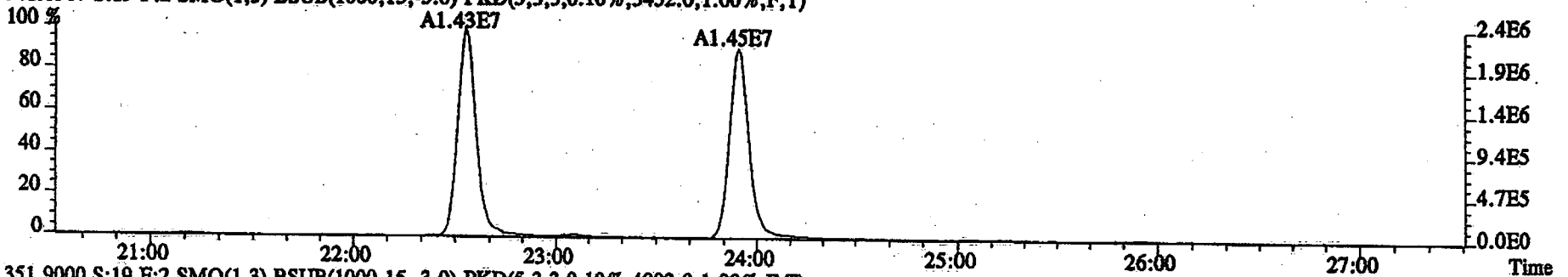
U855

File:21MR059D5 #1-557 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

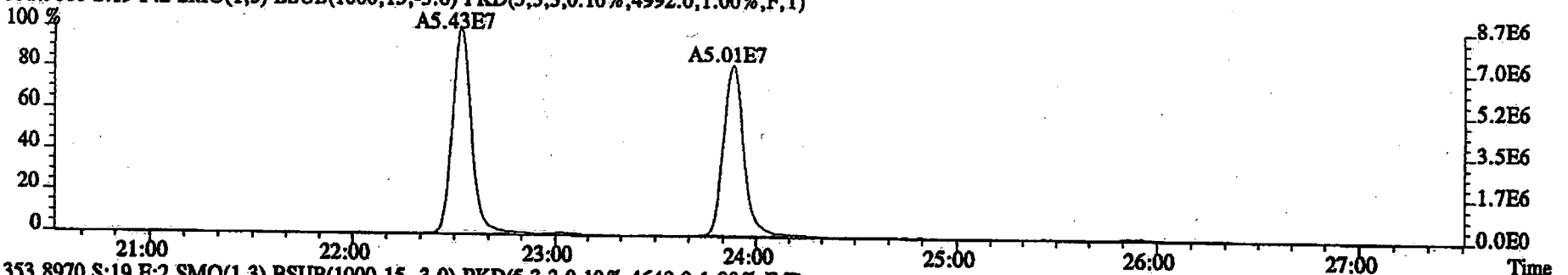
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)



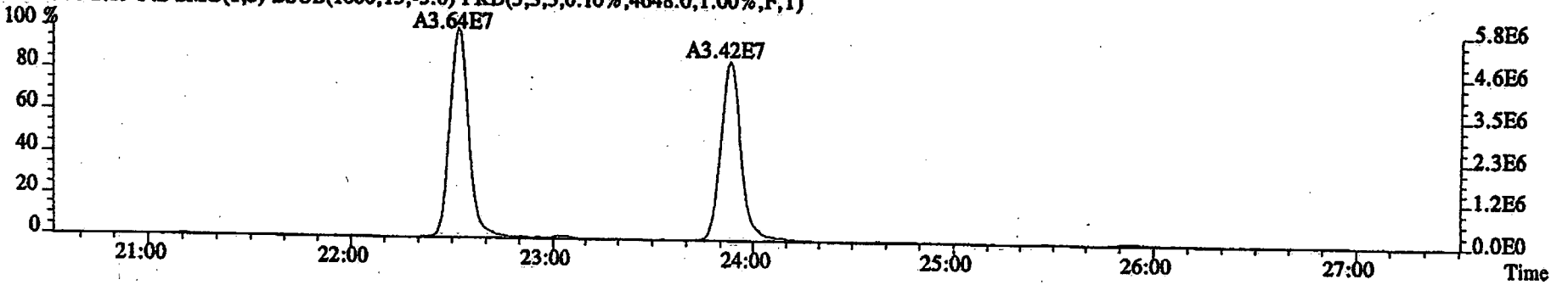
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4648.0,1.00%,F,T)

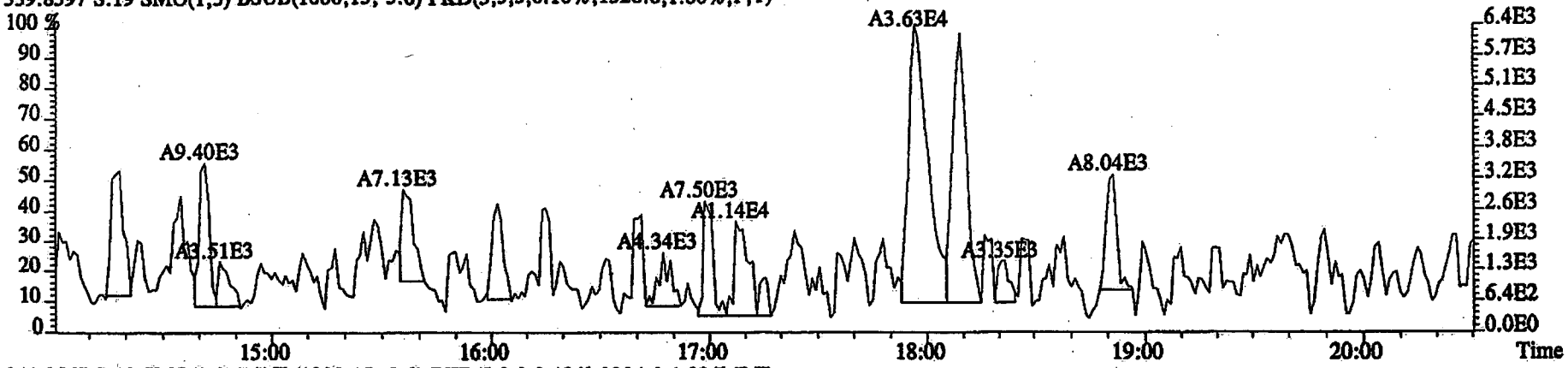


1116

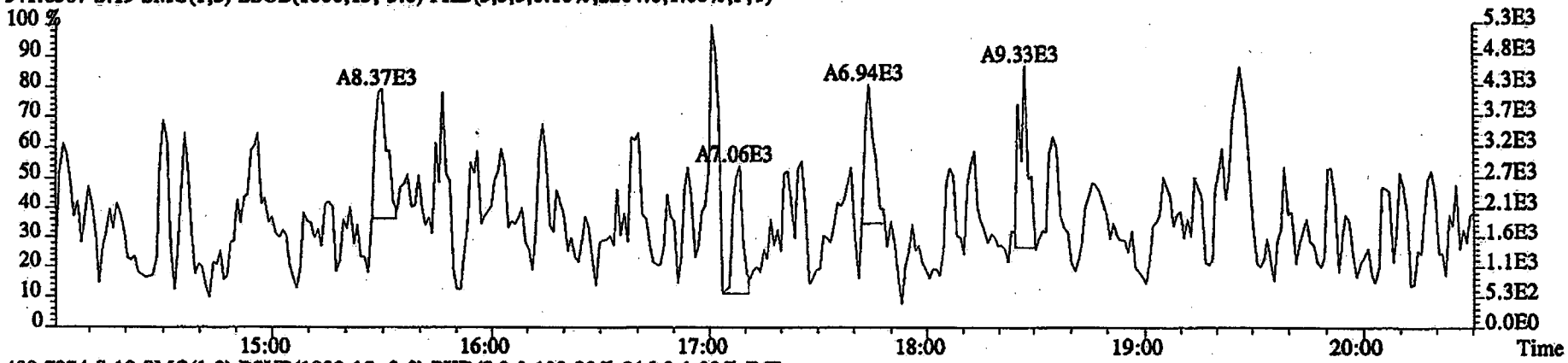
STL Edison

U855

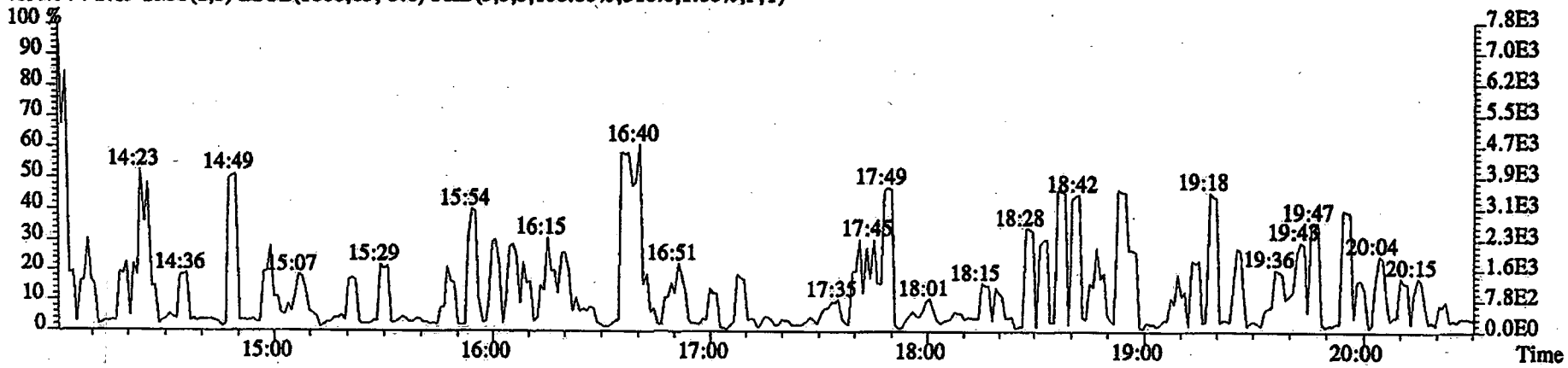
File:21MR059D5 #1-404 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN
339.8597 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1328.0,1.00%,F,T)



341.8567 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2204.0,1.00%,F,T)



409.7974 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,316.0,1.00%,F,T)



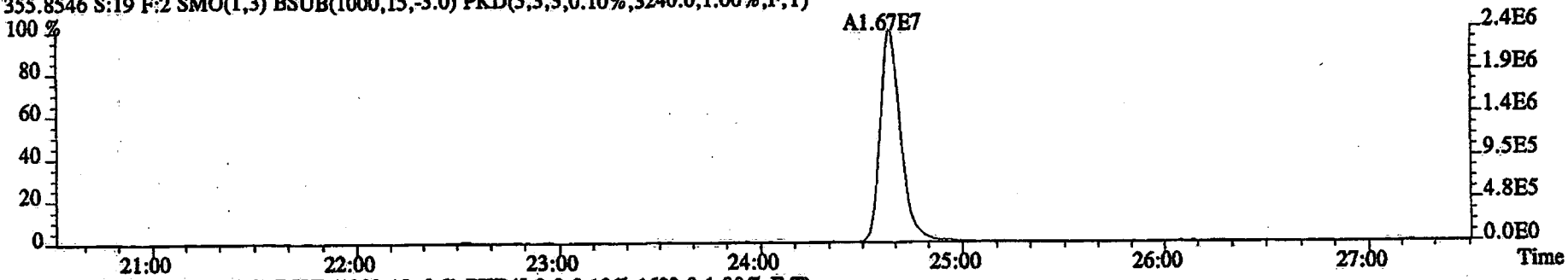
1117

STL Edison

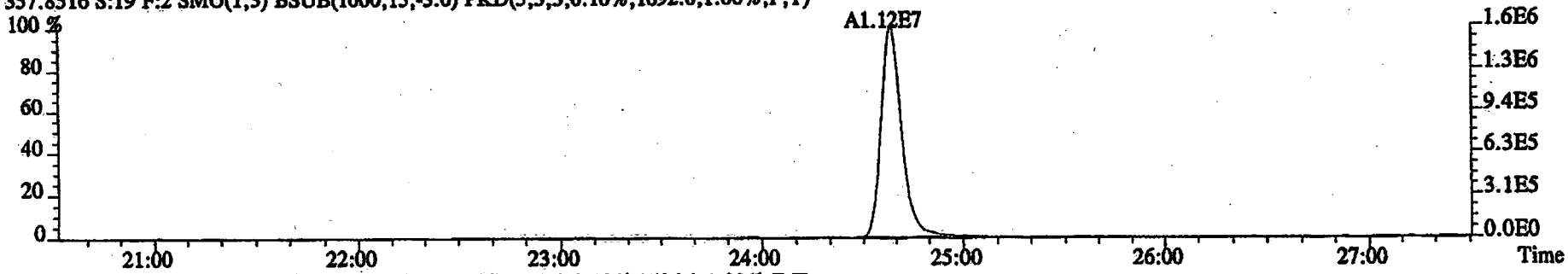
U855

File:21MR059D5 #1-557 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

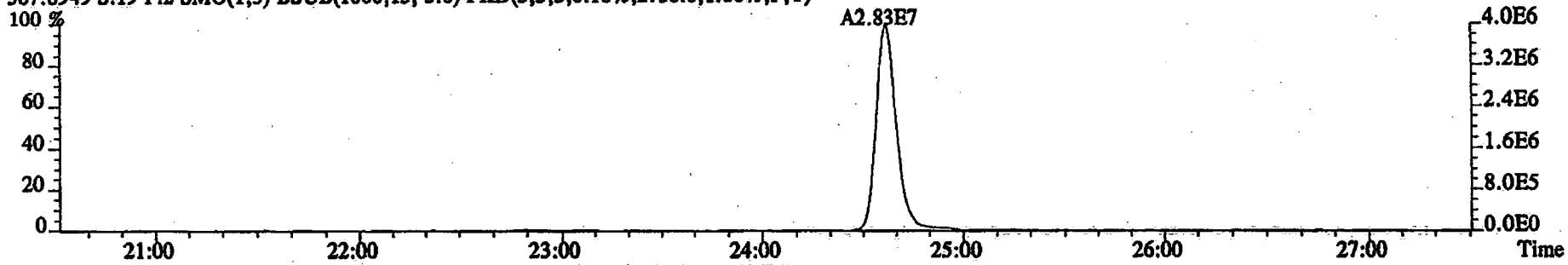
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3240.0,1.00%,F,T)



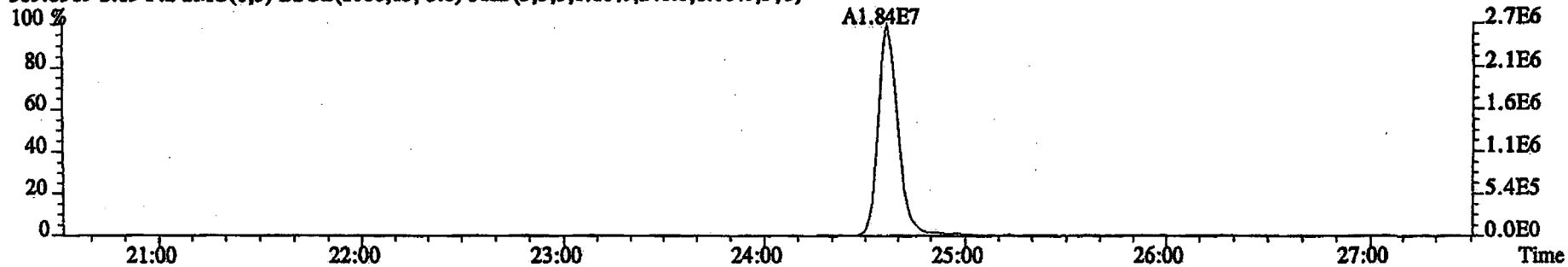
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1692.0,1.00%,F,T)



367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2736.0,1.00%,F,T)



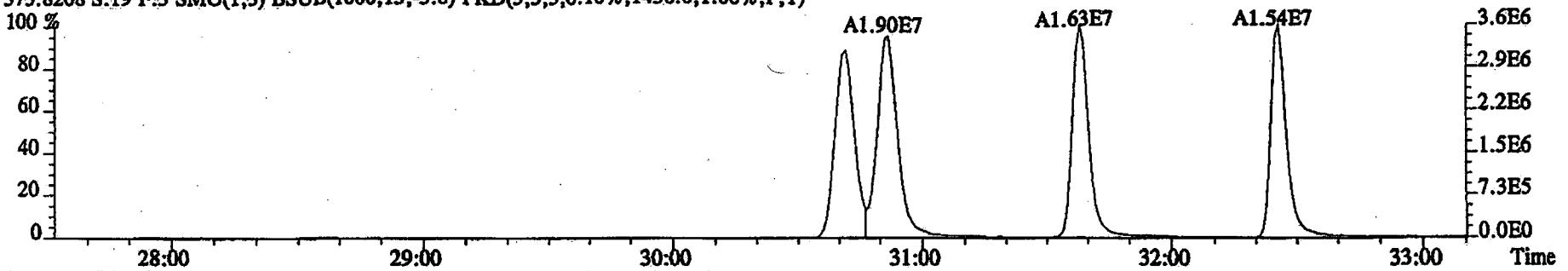
369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240.0,1.00%,F,T)



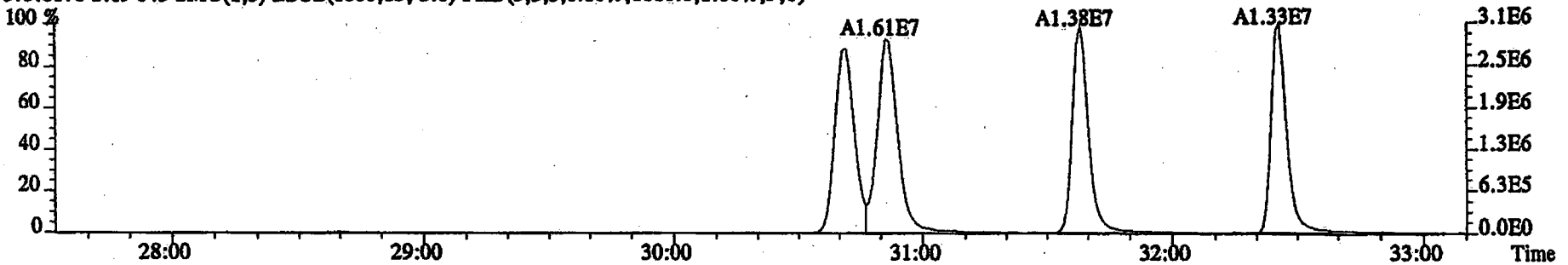
1118
STL Edison
U855

File:21MR059D5 #1-427 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

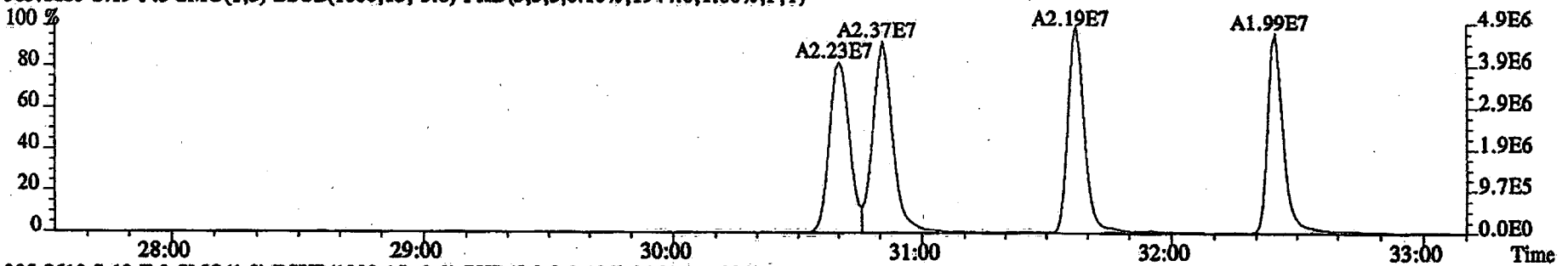
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



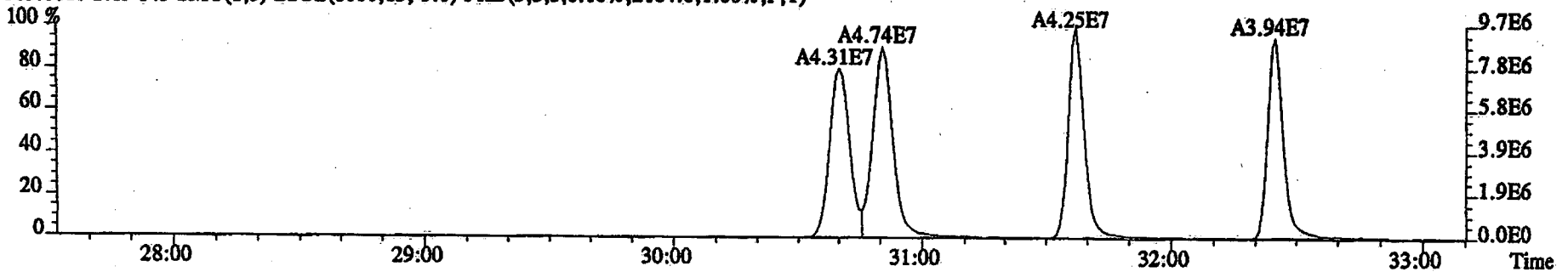
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)



385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2164.0,1.00%,F,T)



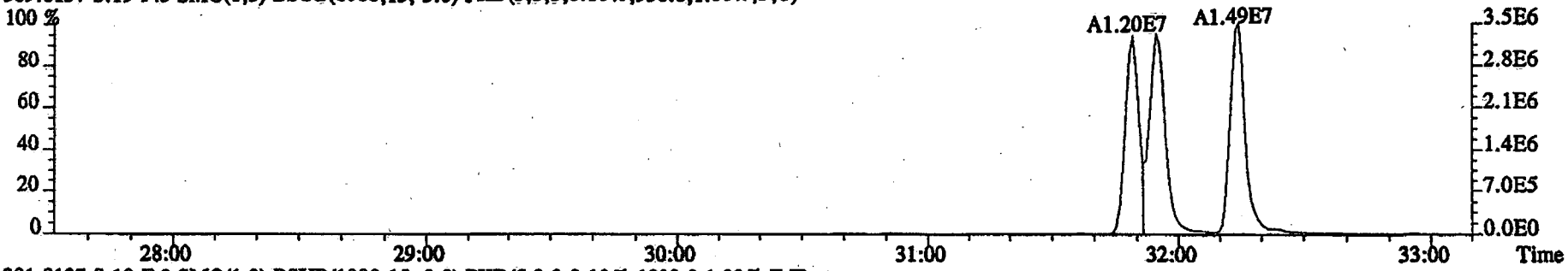
1119

STL Edison

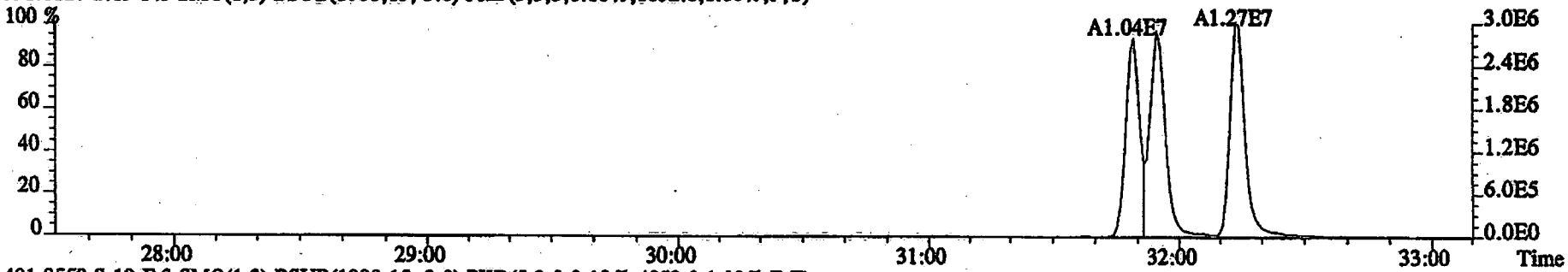
U855

File:21MR059D5 #1-427 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

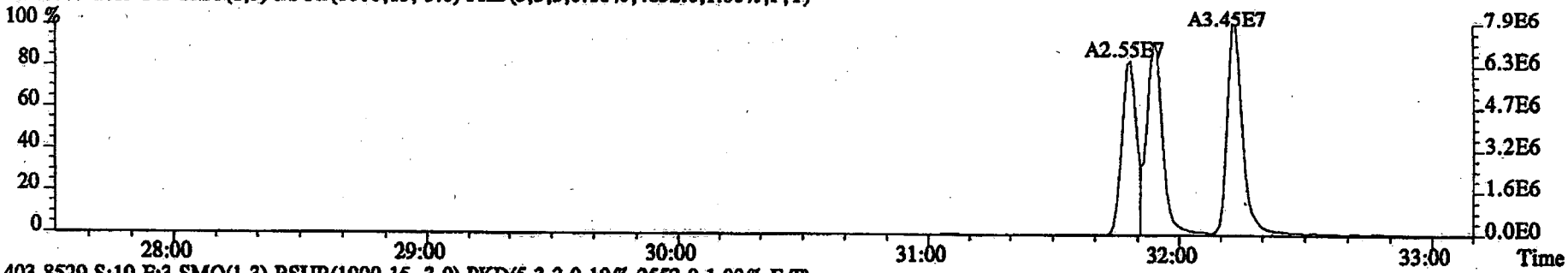
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



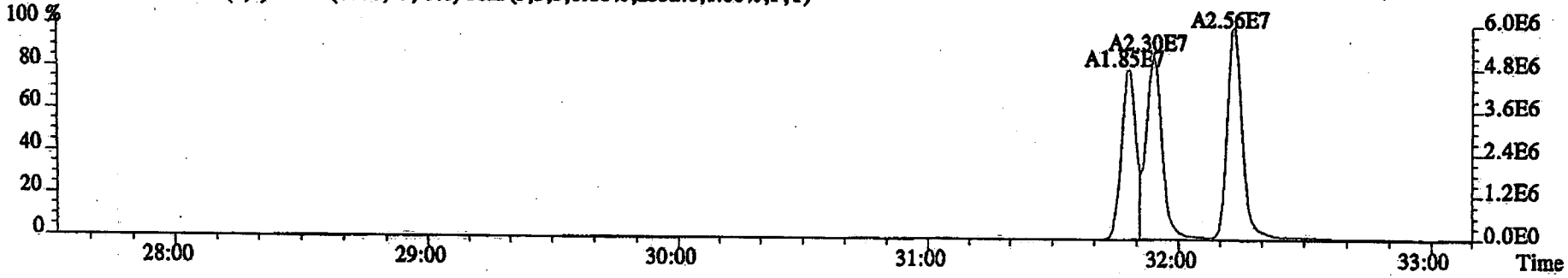
391.8127 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



401.8559 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4852.0,1.00%,F,T)



403.8529 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



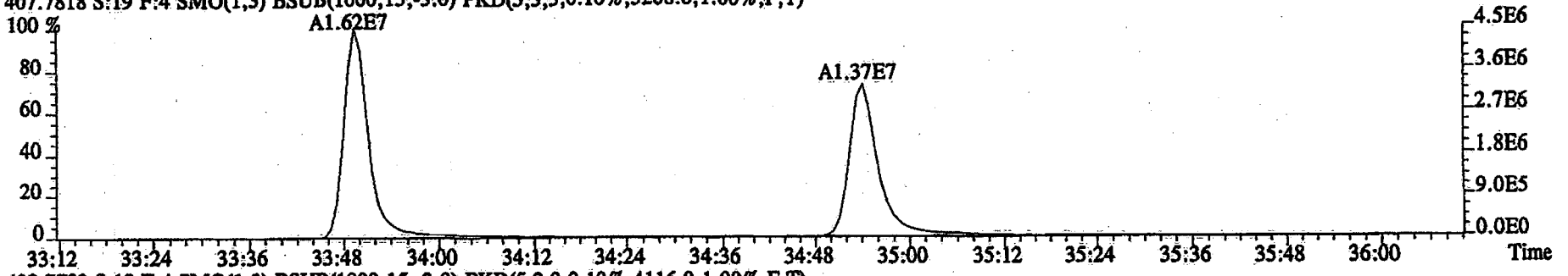
1120

STL Edison

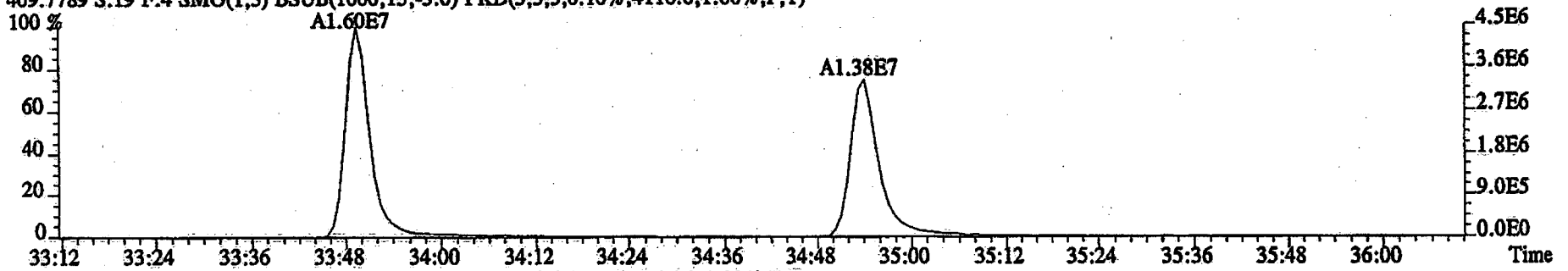
U855

File:21MR059D5 #1-238 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

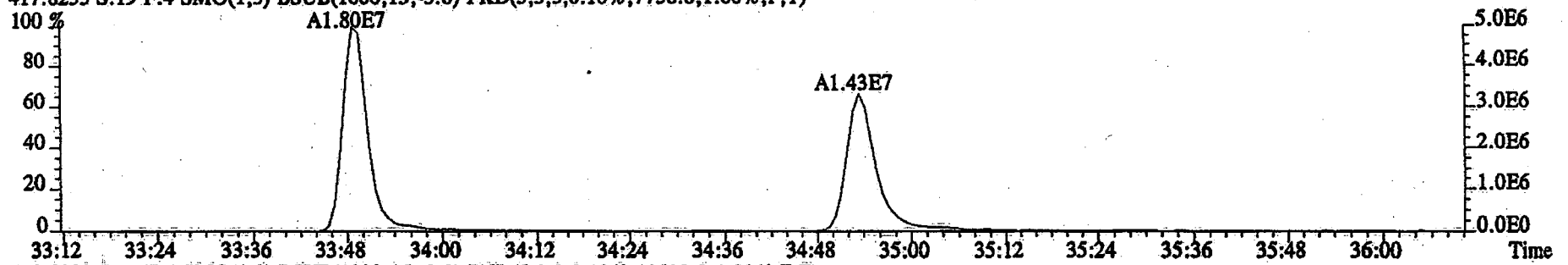
407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)



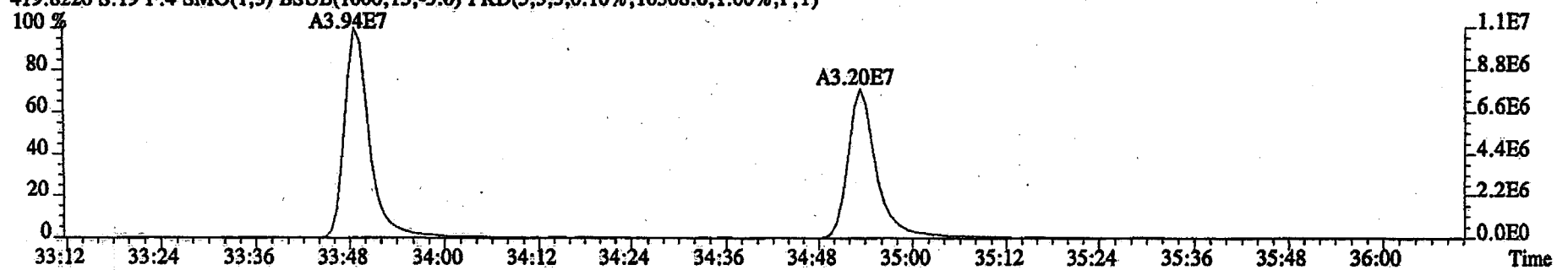
409.7789 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4116.0,1.00%,F,T)



417.8253 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7736.0,1.00%,F,T)



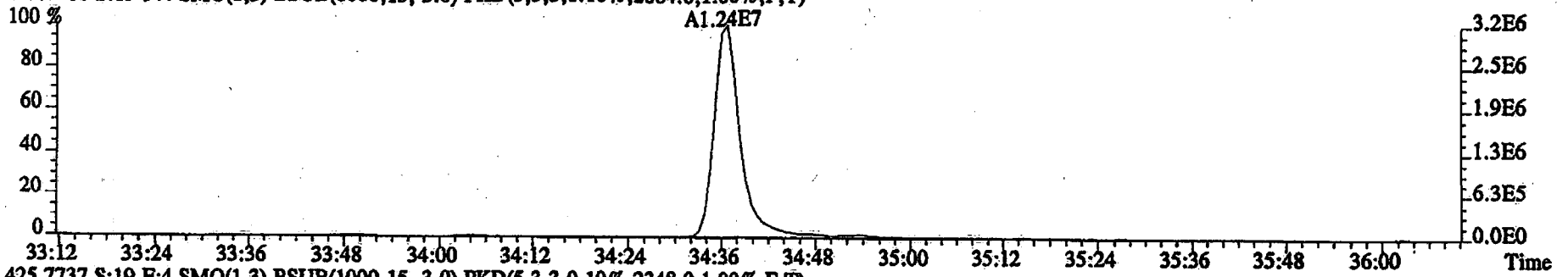
419.8220 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10508.0,1.00%,F,T)



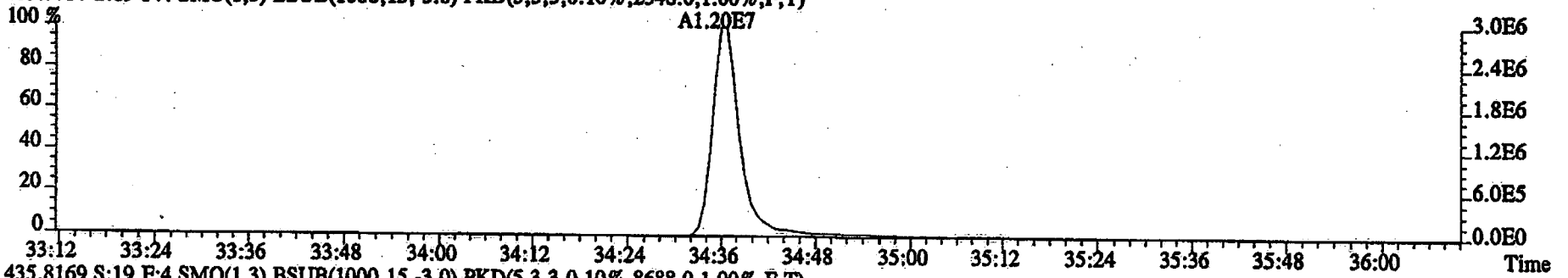
1121
STL Edison
U855

File:21MR059D5 #1-238 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

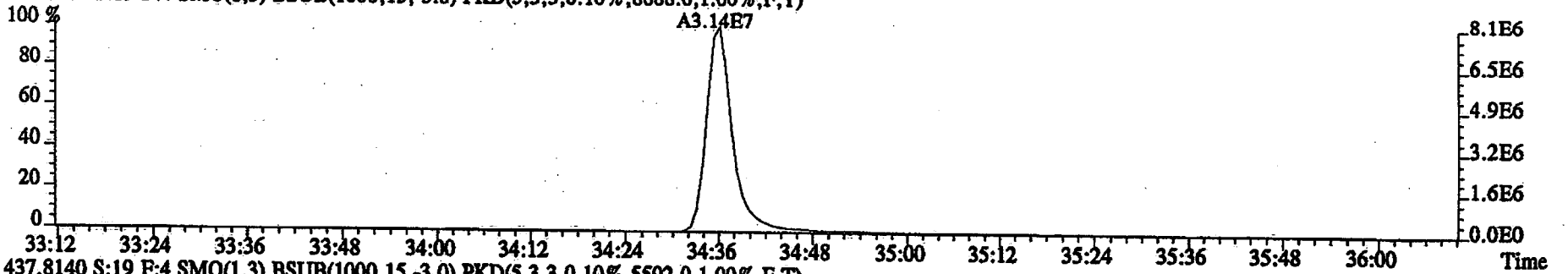
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2684.0,1.00%,F,T)



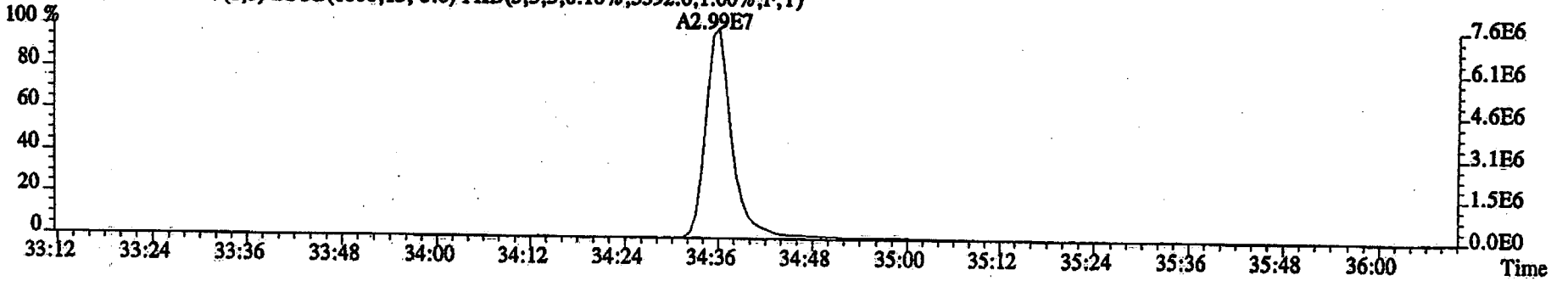
425.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



435.8169 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8688.0,1.00%,F,T)



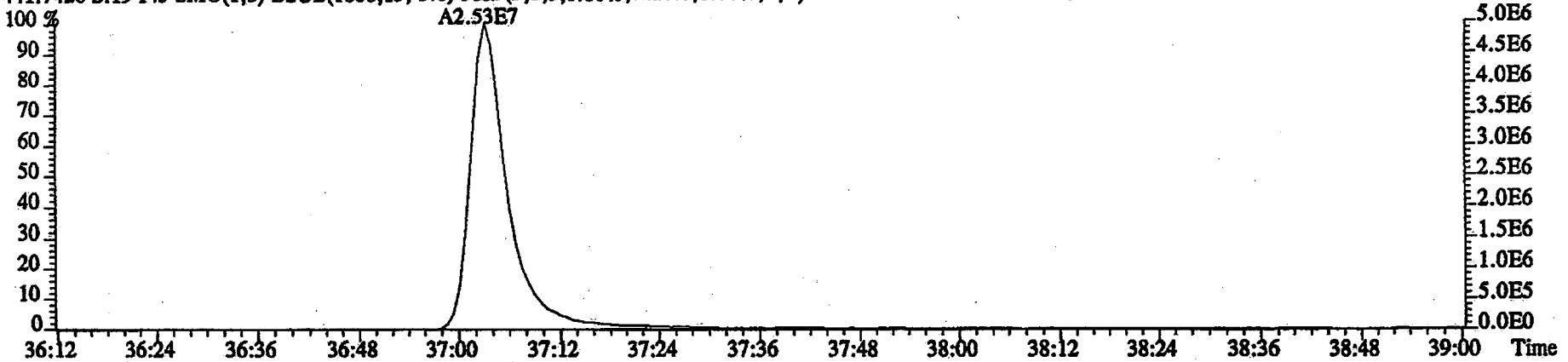
437.8140 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5592.0,1.00%,F,T)



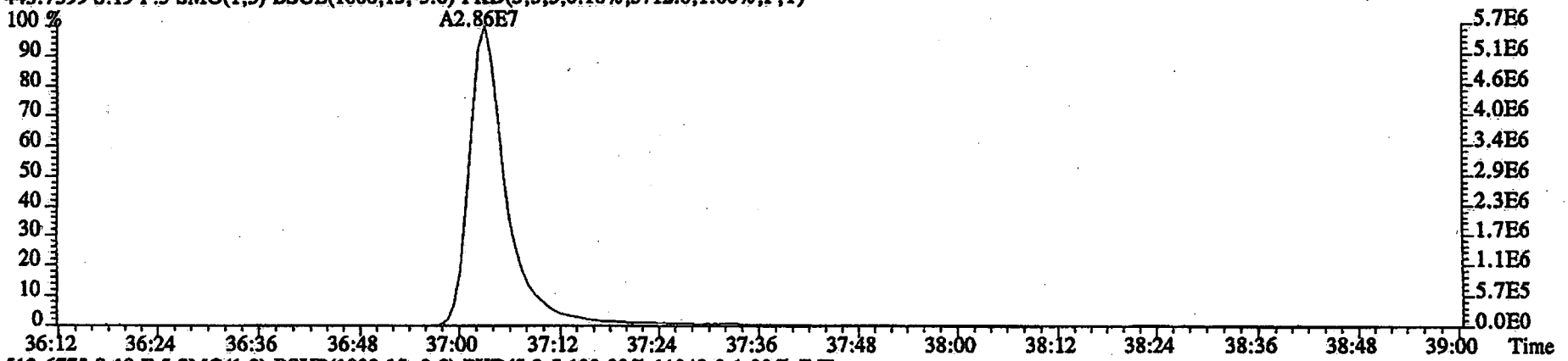
1122
STL Edison
U855

File:21MR059D5 #1-228 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

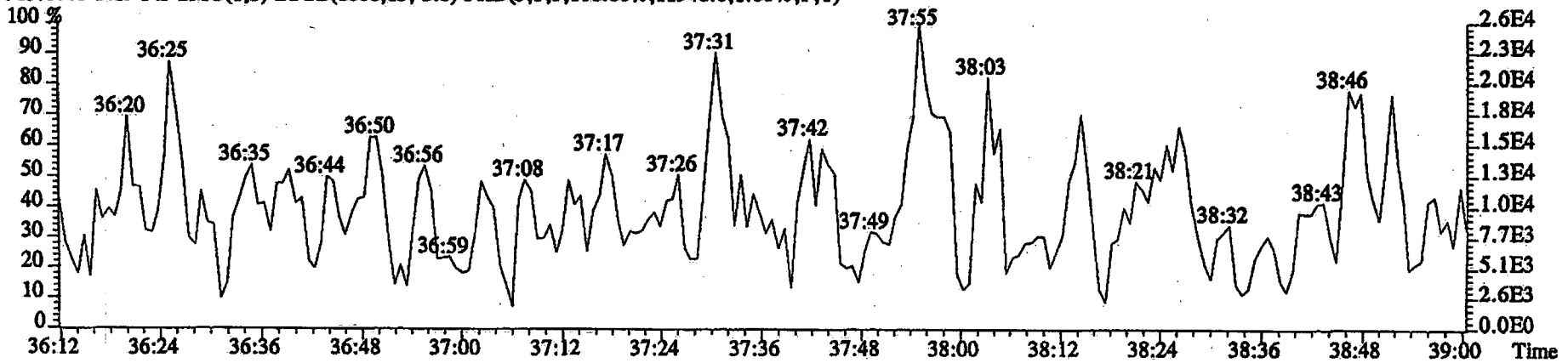
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7220.0,1.00%,F,T)



443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5712.0,1.00%,F,T)



513.6775 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,11948.0,1.00%,F,T)



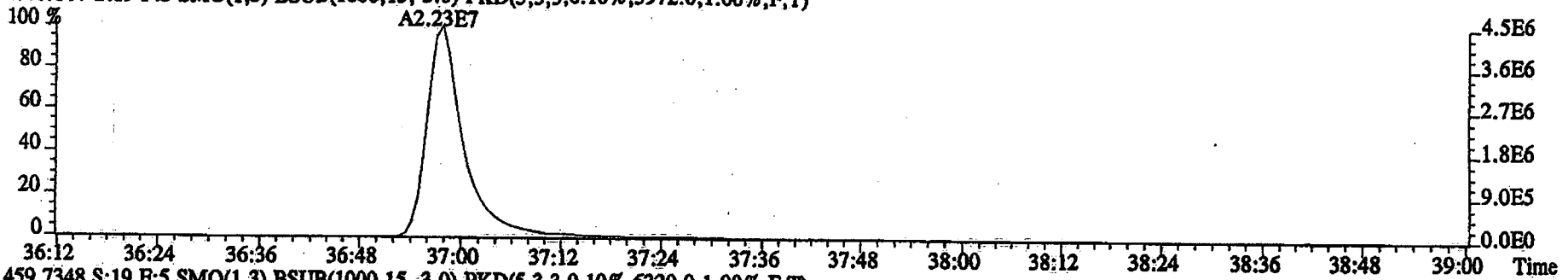
1123

STL Edison

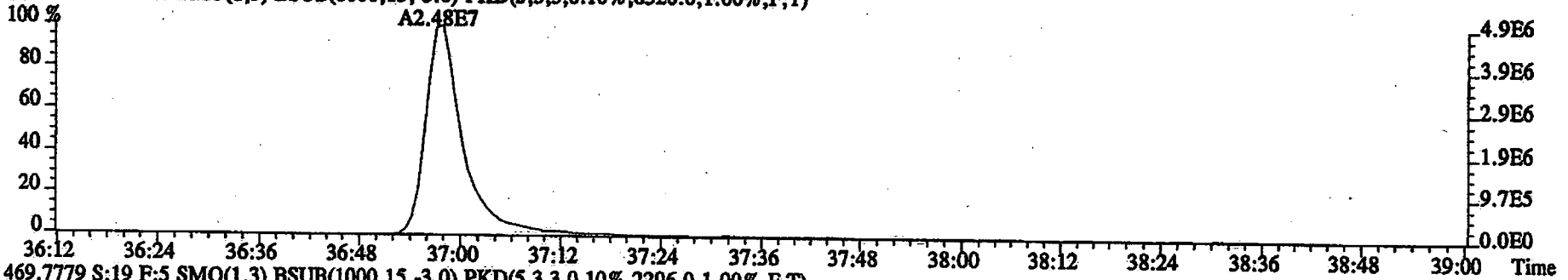
U855

File:21MR059D5 #1-228 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

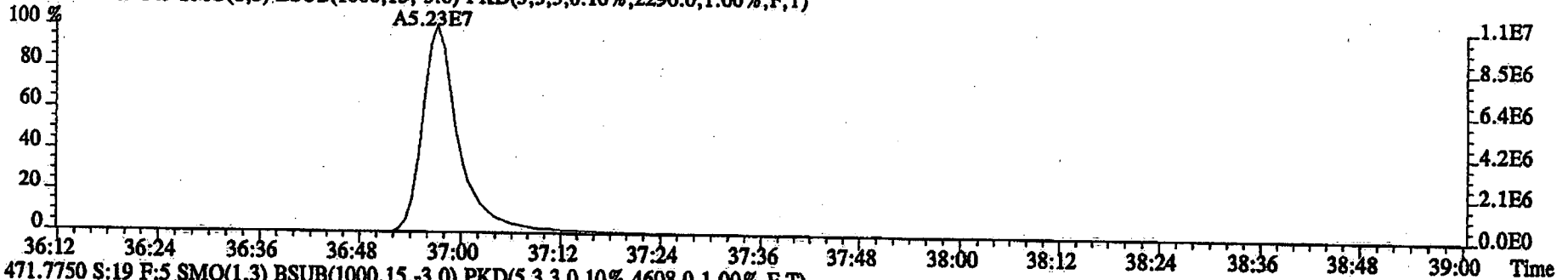
457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)



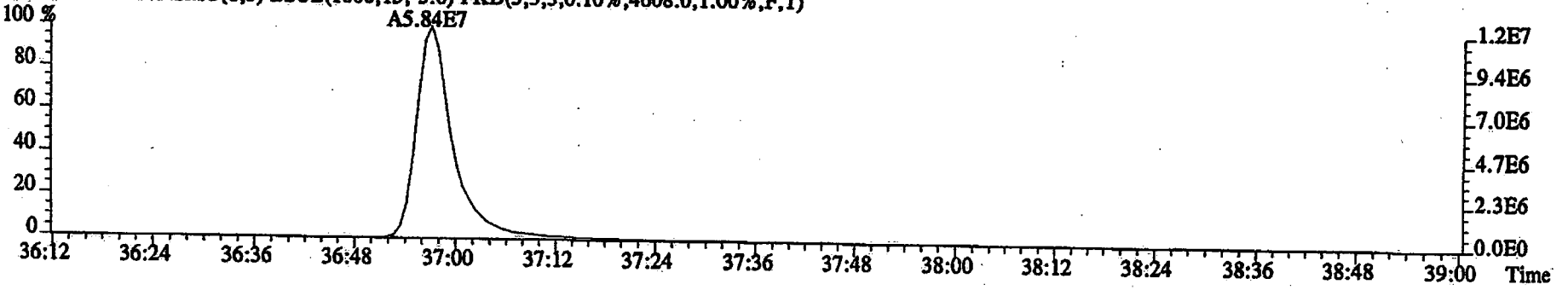
459.7348 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6320.0,1.00%,F,T)



469.7779 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2296.0,1.00%,F,T)



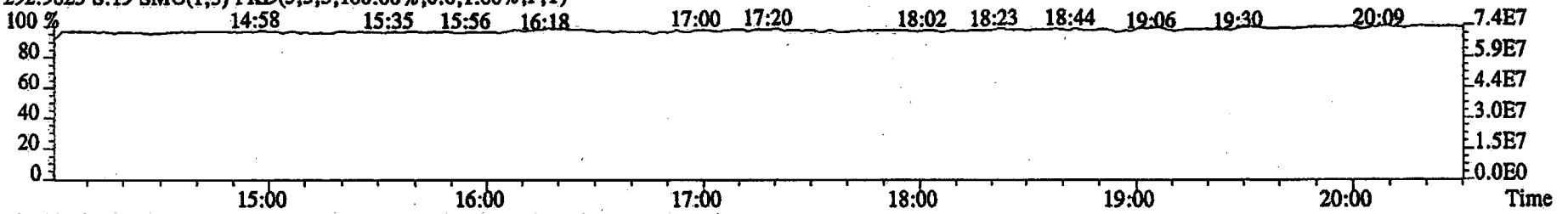
471.7750 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)



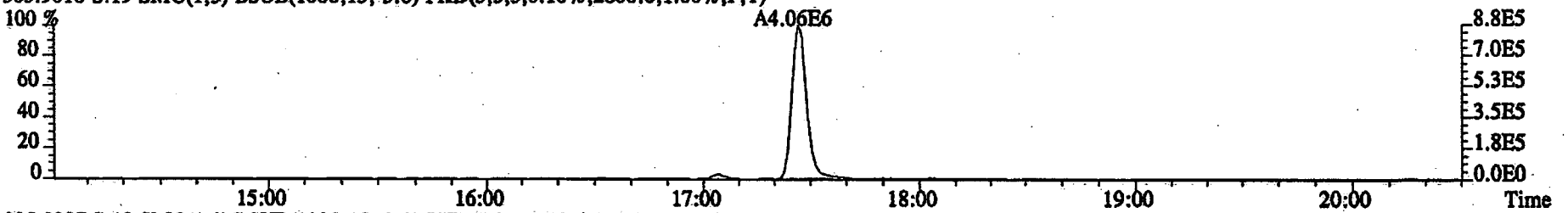
1124
STL Edison
U855

File:21MR059D5 #1-404 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

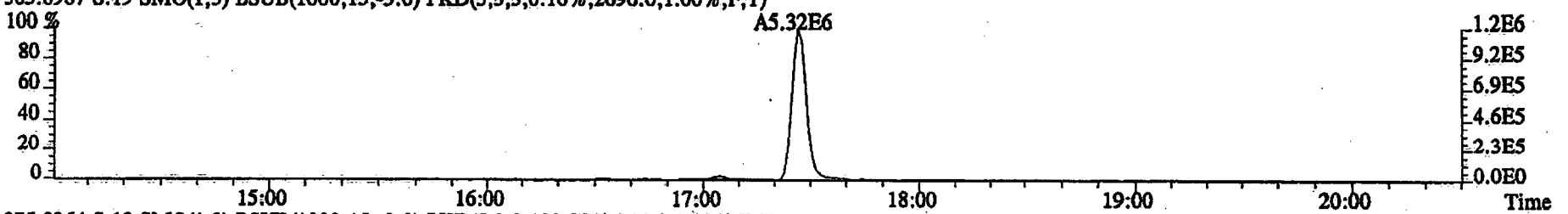
292.9825 S:19 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



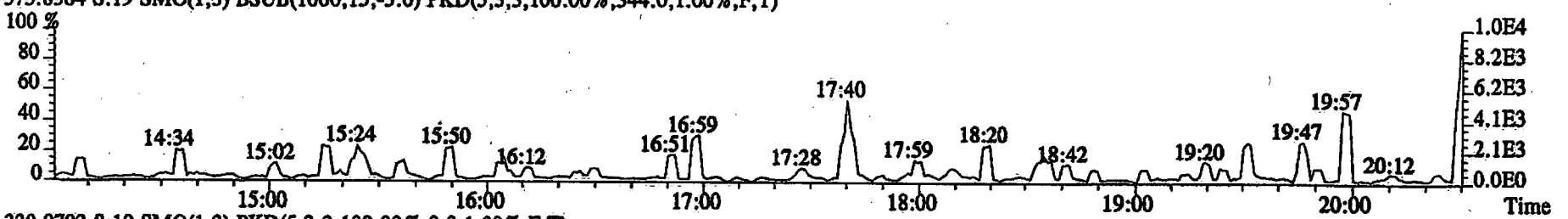
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



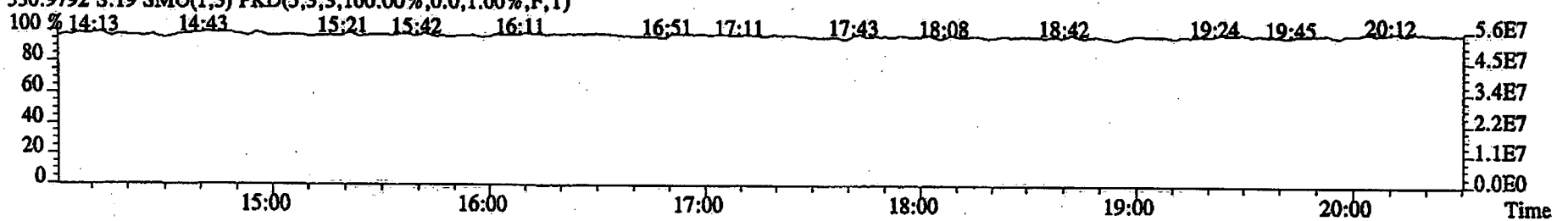
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,344.0,1.00%,F,T)



330.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

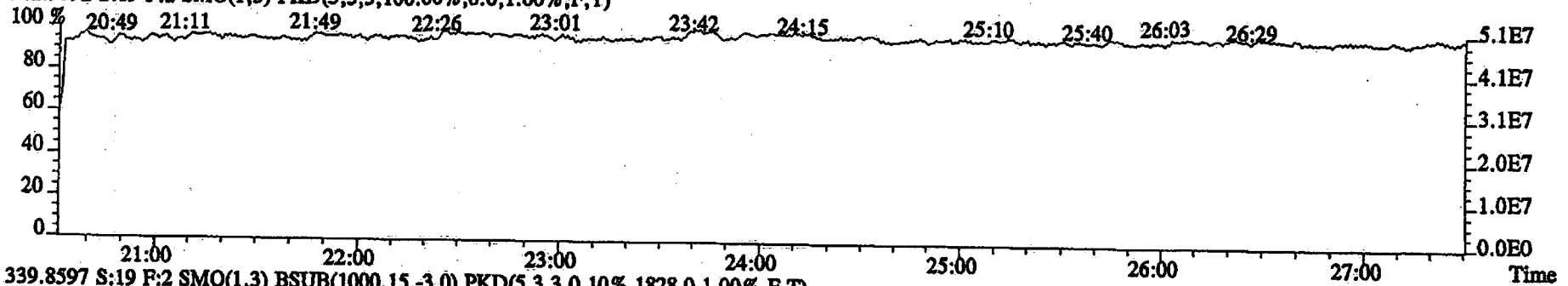


1125

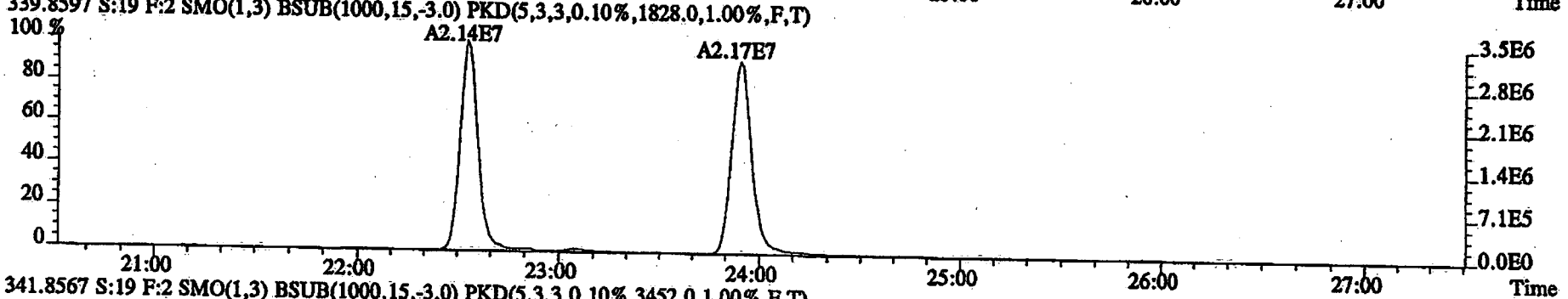
STL Edison

U855

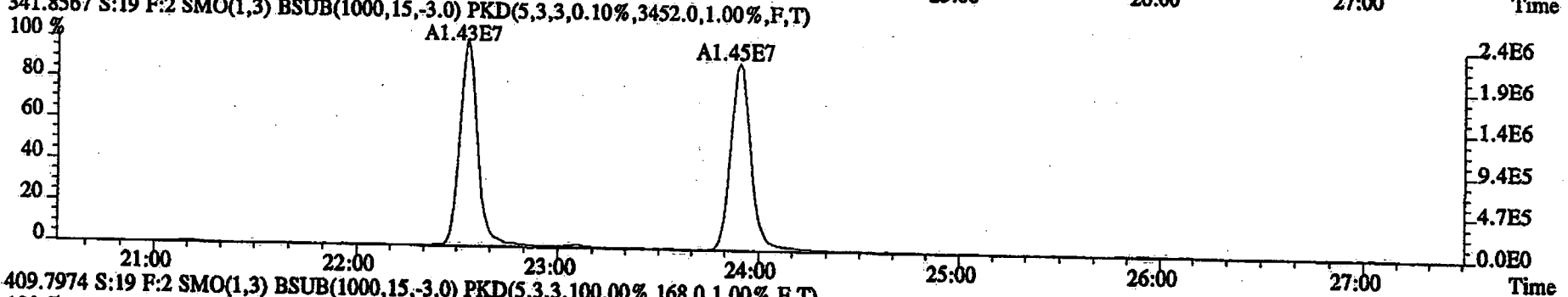
File:21MR059D5 #1-557 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN
342.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



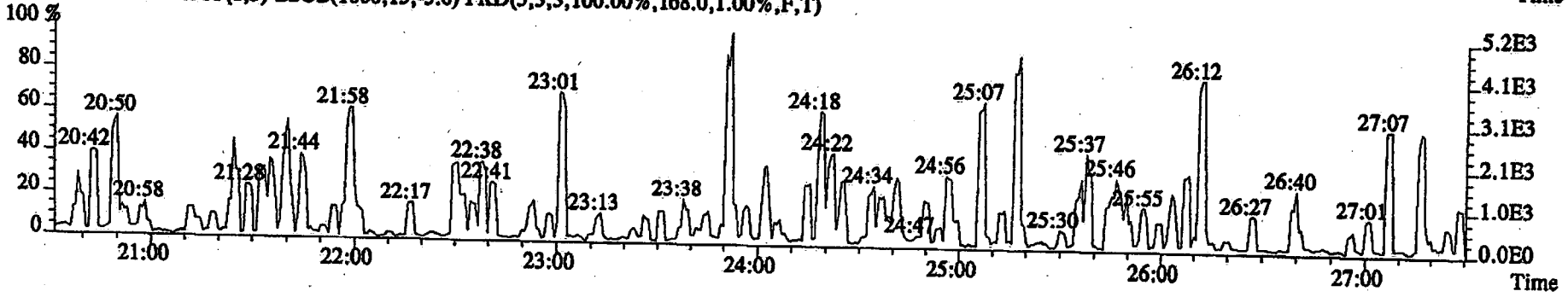
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)



341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



409.7974 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,168.0,1.00%,F,T)



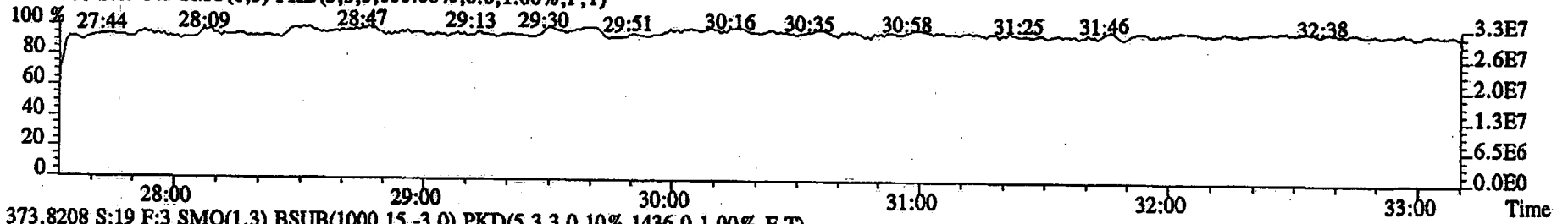
1126

STL Edison

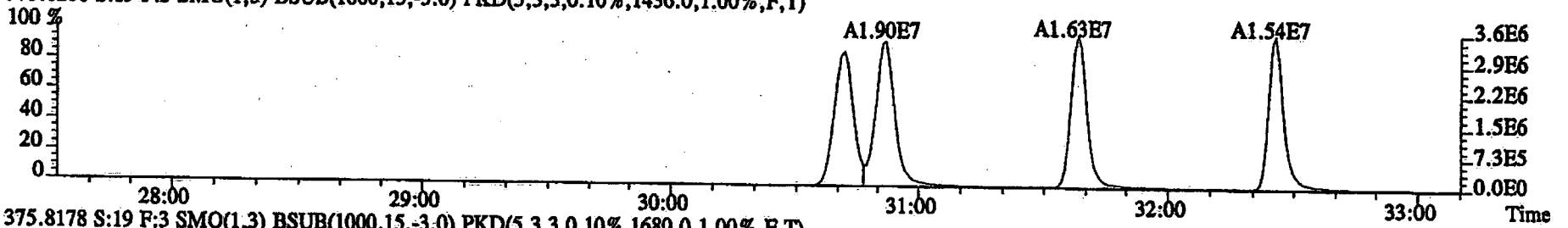
U855

File:21MR059D5 #1-427 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

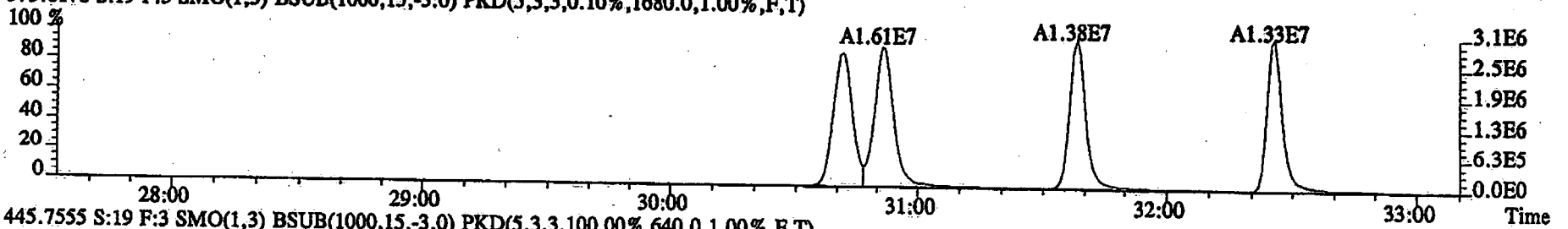
392.9760 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



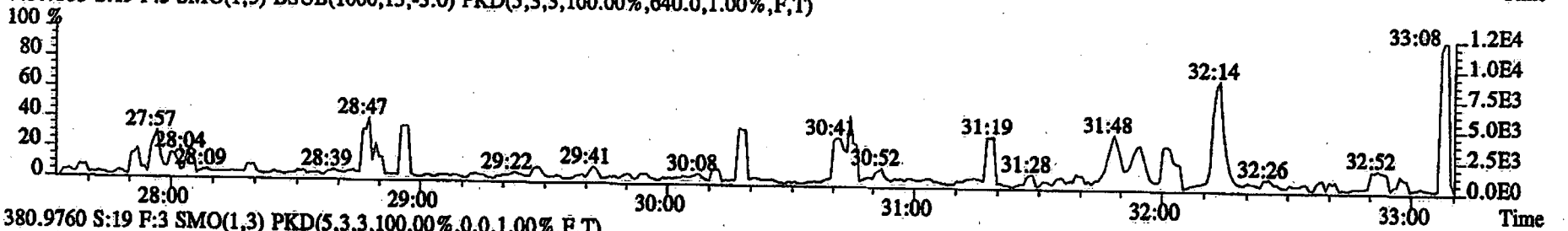
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



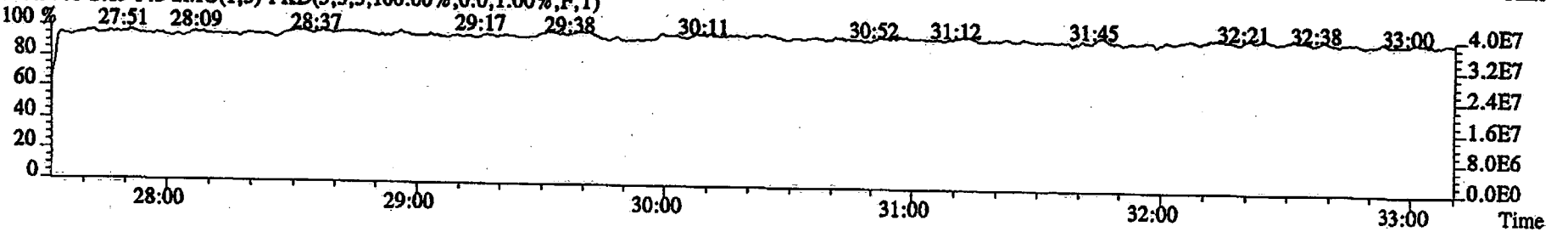
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



445.7555 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,640.0,1.00%,F,T)



380.9760 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

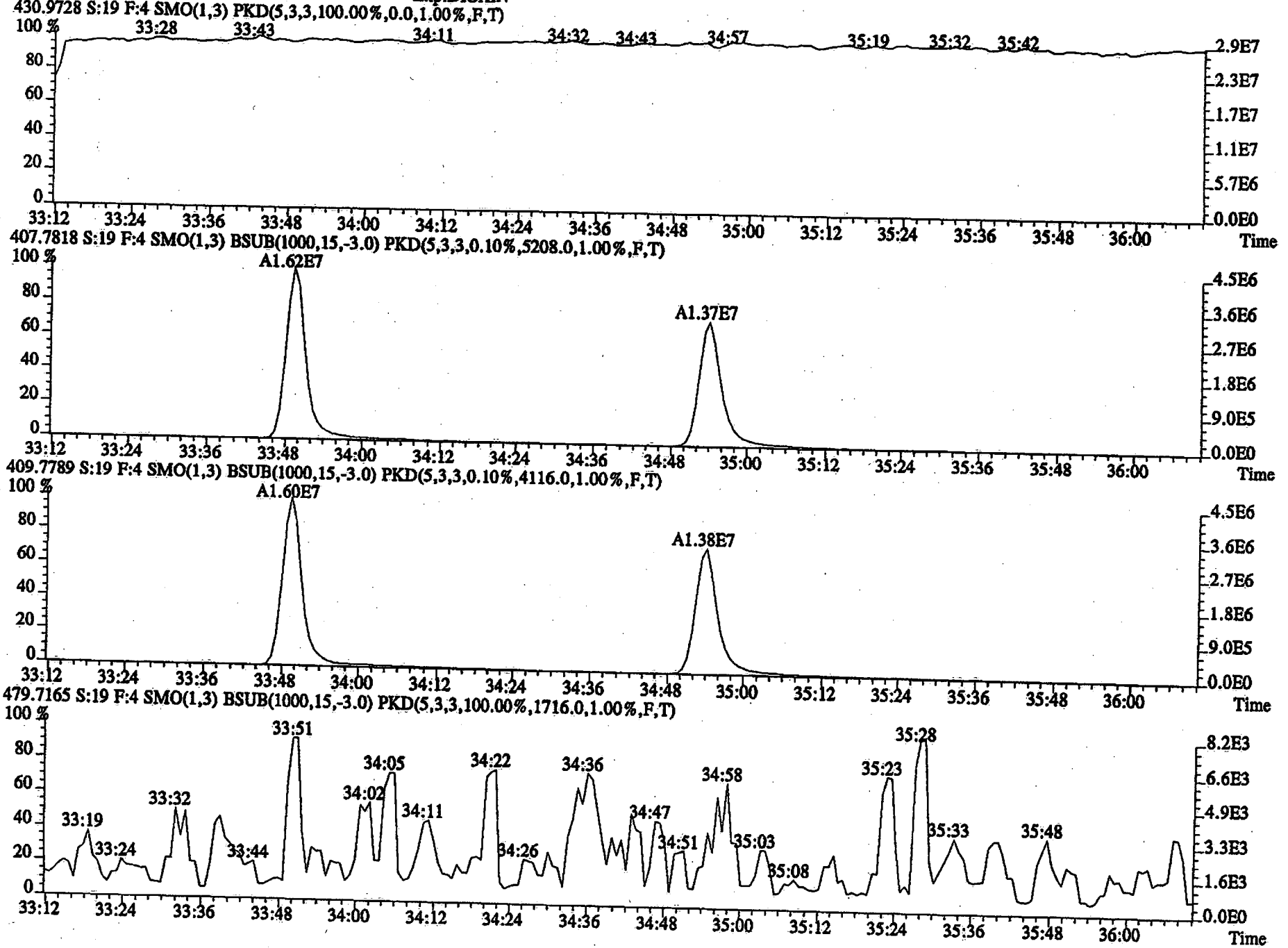


1127

STL Edison

U855

File:21MR059D5 #1-238 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN

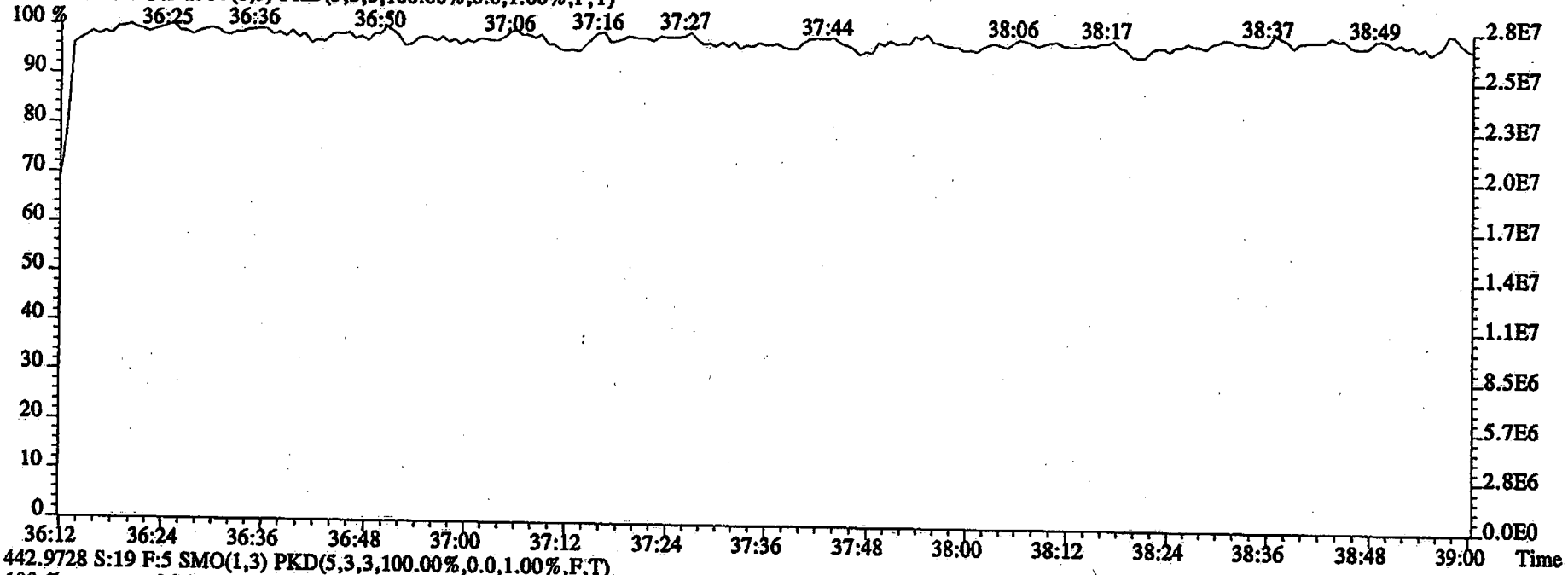


1128

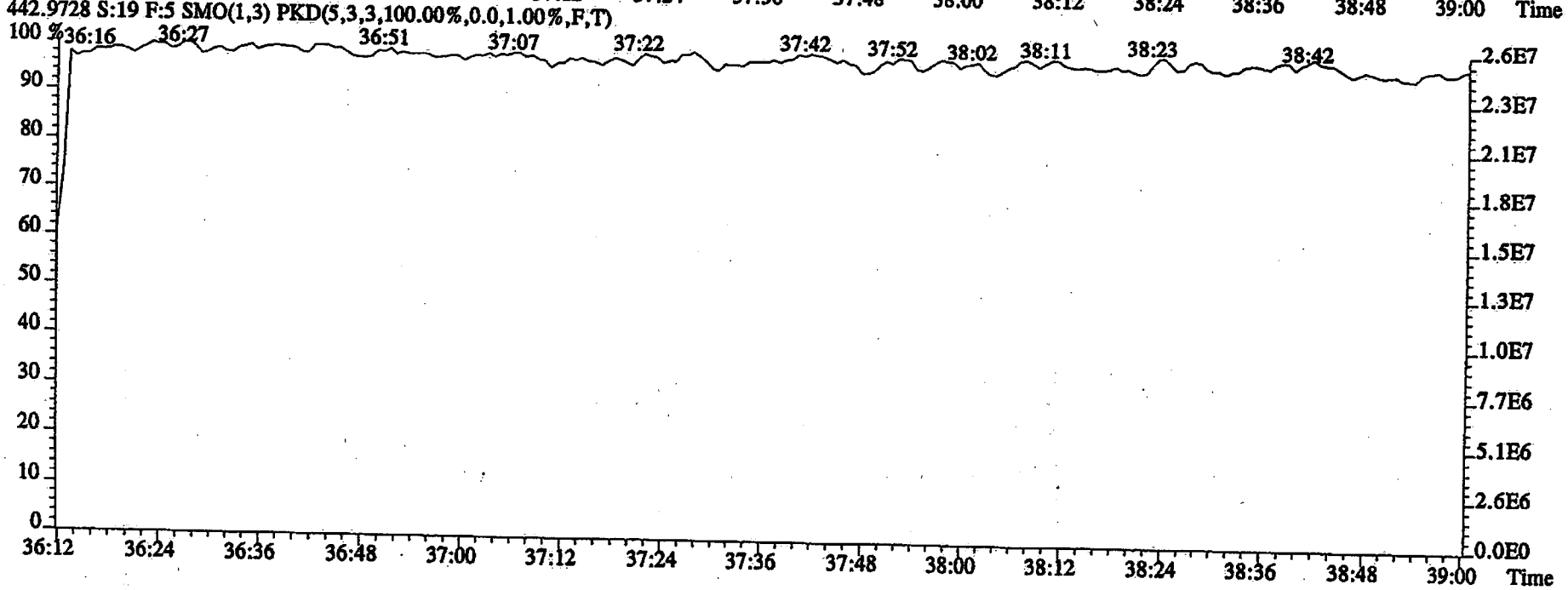
STL Edison

U855

File:21MR059D5 #1-228 Acq:22-MAR-2005 05:02:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0321A :CS3 2416-23C Exp:DIOXIN
454.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1129

STL Edison

U855

SEVERN TRENT SERVICES

Daily Standard Checklist
High Resolution

Method ID: Tetras

Column ID: DB-225

STD ID: ST0324G + ST0324H

Analyzed By: SMA/AM

Prepared By: SMA

Reviewed By: JCW 03/25/05

Associated ICAL: DB225032405 7D2

Instrument ID: 7D2

STD Solution: 2416-63C

Date Analyzed: 03-24-05

Date Prepared: 03-25-05

Date Reviewed: 03/25/05

ANALYSIS OF CCAL	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard and ending Static Resolutions present	✓	✓

COMMENTS:

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
PAH: +/- 30% from curve RRFs for native and labeled compounds.
PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

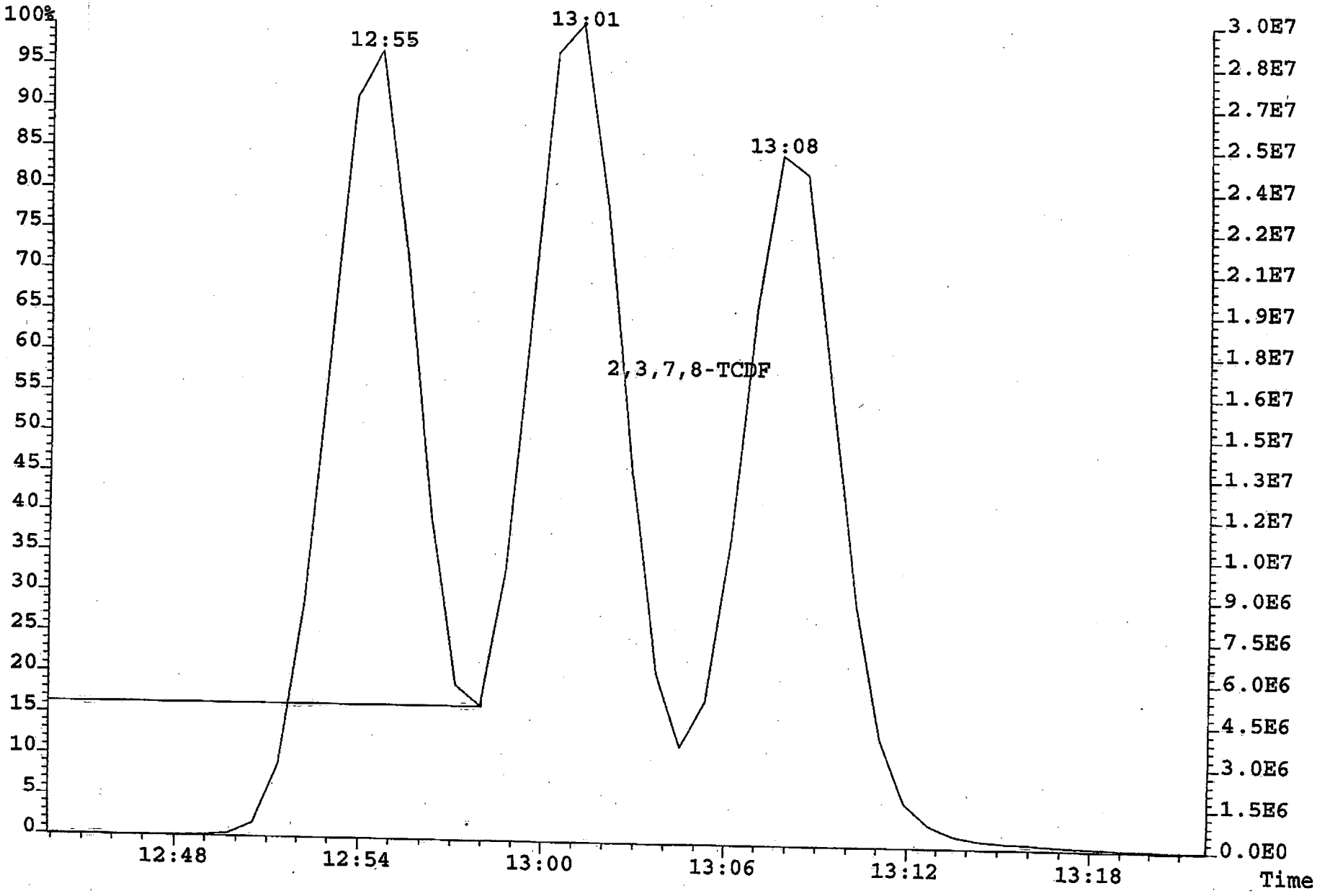
Run text: ST0324G File text: ST0324G :CS3 2416-63C
Run #21 Filename 24MR057D2 S: 25 I: 1
Acquired: 25-MAR-05 01:02:12 Processed: 25-MAR-05 12:33:46
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2 Results: 24MR057D2DB225

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	149323200	0.82	y	12:04	-	100.00	-	n
13C-2,3,7,8-TCDF	264009000	0.83	y	13:00	1.77	100.00	1.6	n
2,3,7,8-TCDF	22026740	0.76	y	13:01	0.83	10.00	6.8	n
13C-2,3,7,8-TCDD	159710900	0.81	y	11:50	1.07	100.00	-2.7	n
2,3,7,8-TCDD	13700820	0.78	y	11:52	0.86	10.00	4.0	n
37Cl-2,3,7,8-TCDD	13400440	1.00	y	11:51	0.90	10.00	-7.7	n

Run text: ST0324H
File text: ST0324H :CS3 2416-63C
Run #33 Filename 24MR057D2 S: 41 I: 1
Acquired: 25-MAR-05 10:44:49
Processed: 25-MAR-05 12:33:53
Run: 24MR057D2 Analyte: DB225
Cal: DB2250324057D2 Results: 24MR057D2DB225

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	140650400	0.80	y	12:03	-	100.00	-	n
13C-2,3,7,8-TCDF	260731000	0.81	y	12:59	1.85	100.00	6.5	n
2,3,7,8-TCDF	21134230	0.76	y	13:00	0.81	10.00	3.8	n
13C-2,3,7,8-TCDD	155330000	0.79	y	11:49	1.10	100.00	0.4	n
2,3,7,8-TCDD	13017800	0.76	y	11:51	0.84	10.00	1.6	n
37Cl-2,3,7,8-TCDD	13198120	1.00	y	11:50	0.94	10.00	-3.5	n

File:24MR057D2 #1-1168 Acq:25-MAR-2005 01:38:38 GC EI+ Voltage SIR 70S
Sample#26 Text:CP0324A :DB-225 CPSM 2416-28 Exp:DB225
305.8987 S:26



1133

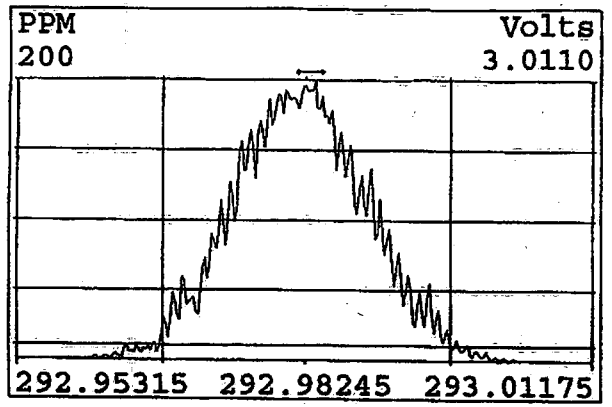
STL Edison

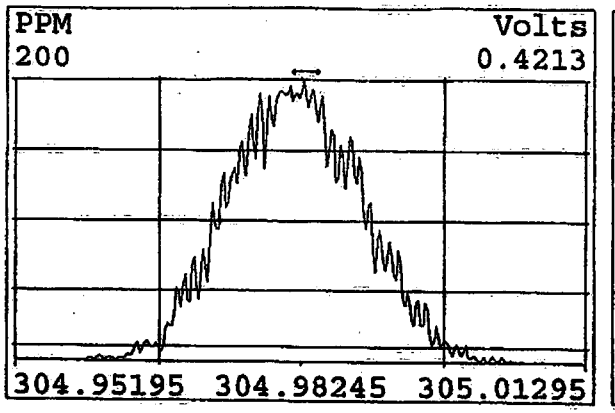
U855

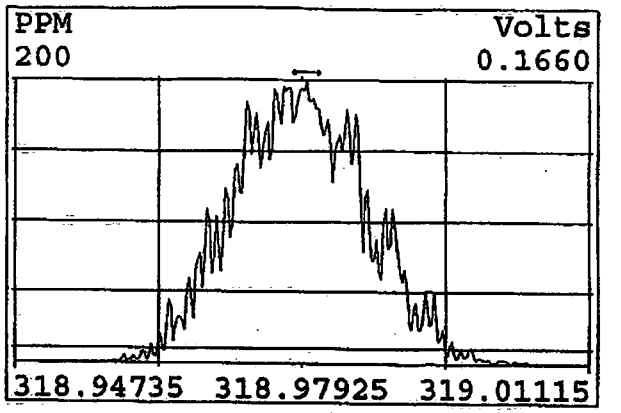
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
24MR057D2	1	ST0324	CS1 2416-63A				1.000	
24MR057D2	2	ST0324A	CS2 2416-63B				1.000	
24MR057D2	3	ST0324B	CS3 2416-63C				1.000	
24MR057D2	4	ST0324C	CS4 2416-63D				1.000	
24MR057D2	5	ST0324D	CS5 2416-63E				1.000	
24MR057D2	6	SB0324	Solvent Blank C-14				1.000	
24MR057D2	7	ST0324E	2416-58 SS				1.000	
24MR057D2	8	ST0324F	CS3 2416-63C				1.000	
24MR057D2	9	CP0324	DB-225 CPSM 2416-28				1.000	
24MR057D2	10	SB0324A	Solvent Blank C-14				1.000	
24MR057D2	11	G581M-1-AC	G5C150230-4	20	8290/SOLID	8	10.000	g
24MR057D2	12	G581N-1-AC	G5C150230-5	20	8290/SOLID		10.000	g
24MR057D2	13	G581P-1-AC	G5C150230-6	20	8290/SOLID		10.000	g
24MR057D2	14	G581R-1-AC	G5C150230-7	20	8290/SOLID		10.000	g
24MR057D2	15	G581T-1-AC	G5C150230-8	20	8290/SOLID		10.000	g
24MR057D2	16	G581W-1-AC	G5C150230-10	20	8290/SOLID		10.000	g
24MR057D2	17	G586V-1-AC	F5C150257-1	20	8290/SOLID	7	10.000	g
24MR057D2	18	G586V-1-D9	F5C150257-1S	20	8290/SOLID		10.000	g
24MR057D2	19	G586V-1-AE	F5C150257-1D	20	8290/SOLID		10.000	g
24MR057D2	20	G5LFR-2-AC	F5C040359-1RX	20	8290/SOLID	9	10.000	g
24MR057D2	21	G5LFR-1-GH	F5C040359-1S	20	8290/SOLID		10.000	g
24MR057D2	22	G5LFR-1-GJ	F5C040359-1D	20	8290/SOLID		10.000	g
24MR057D2	23	G5LH4-2-AN	F5C040359-2RX	20	8290/SOLID		10.000	g
24MR057D2	24	SB0324B	Solvent Blank C-14				1.000	
24MR057D2	25	ST0324G	CS3 2416-63C				1.000	
24MR057D2	26	CP0324A	DB-225 CPSM 2416-28				1.000	
24MR057D2	27	SB0324C	Solvent Blank C-14				1.000	
24MR057D2	28	G6PQJ-1-AAB	G5C150272-1MB	20	1613B/SOLID	9	10.000	g
24MR057D2	29	G588T-1-AC	G5C150272-1	20	1613B/SOLID		10.000	g
24MR057D2	30	G6P8E-1-AC	G5C220216-1	20	8290/SOLID	10	10.000	g
24MR057D2	31	G6P8E-1-	G5C220216-1MS	20	8290/SOLID		10.000	g
24MR057D2	32	G6P8E-1-	G5C220216-1SD	20	8290/SOLID		10.000	g
24MR057D2	33	G55TH-1-AC	G5C120181-3 (20X)	20	8290/SOLID	8	10.000	g
24MR057D2	34	G55TH-1-AE	G5C120181-3MS (20X)	20	8290/SOLID		10.000	g
24MR057D2	35	G55TH-1-AD	G5C120181-3SD (20X)	20	8290/SOLID		10.000	g
24MR057D2	36	SB0324D	Solvent Blank C-14				1.000	
24MR057D2	37	G6D3M-1-AC	G5C160389-1 (10X)	20	8290/SOLID	9	10.000	g
24MR057D2	38	G6D3P-1-AC	G5C160389-2 (10X)	20	8290/SOLID		10.000	g
24MR057D2	39	G6D3R-1-AC	G5C160389-3 (20X)	20	8290/SOLID		10.000	g
24MR057D2	40	SB0324E	Solvent Blank C-14				1.000	
24MR057D2	41	ST0324H	CS3 2416-63C				1.000	
24MR057D2	42						1.000	
24MR057D2	43						1.000	
24MR057D2	44						1.000	
24MR057D2	45						1.000	
24MR057D2	46						1.000	
24MR057D2	47		SMA, AM 03-24-05				1.000	
24MR057D2	48						1.000	

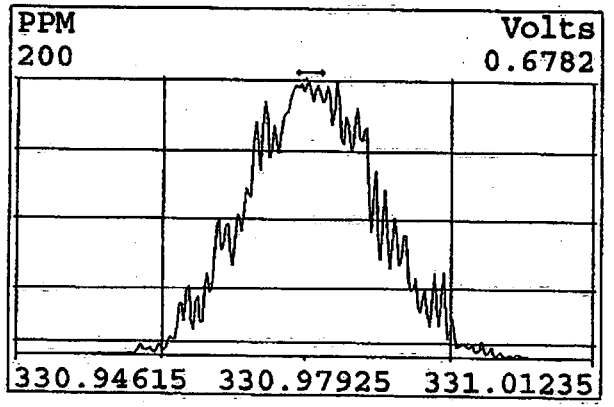
Lee Price checked 3-25-05

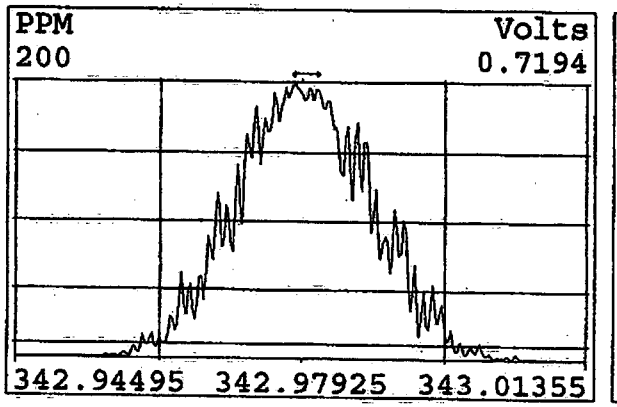
Peak Locate Examination:24-MAR-2005:10:22 File:24MR057D2
Experiment:DB225 Function:1 Reference:PFK

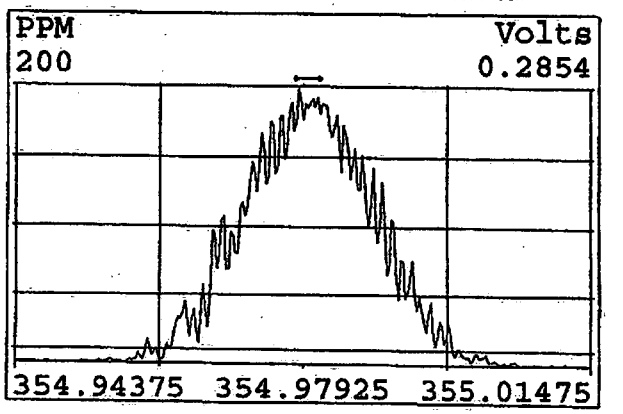


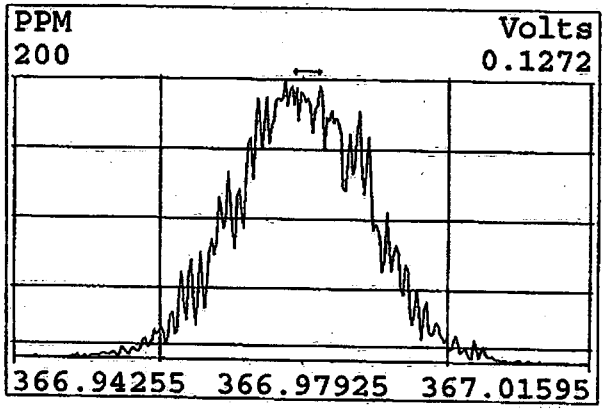


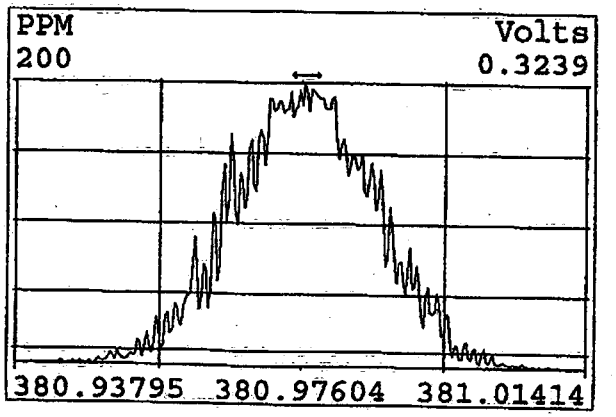










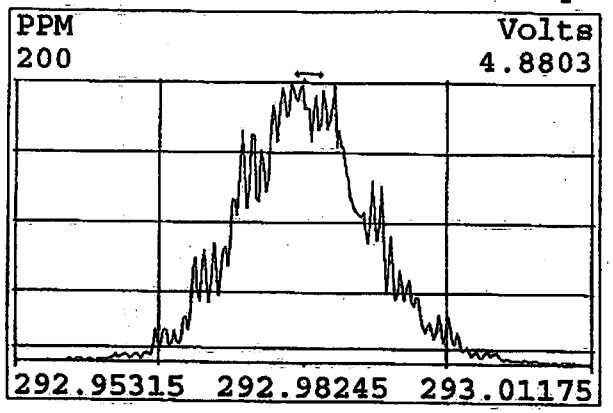


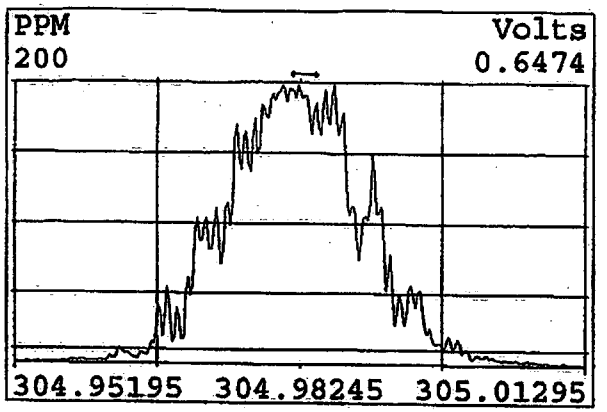
1135

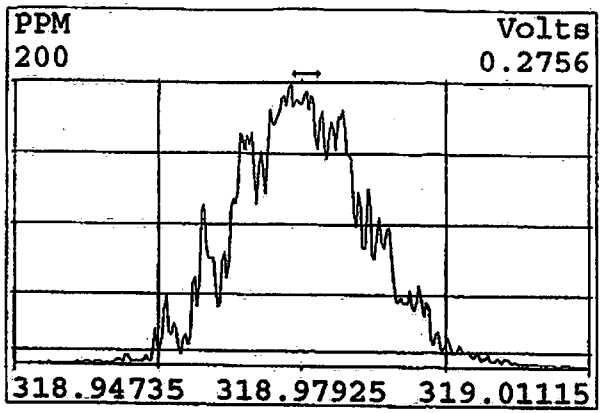
STL Edison

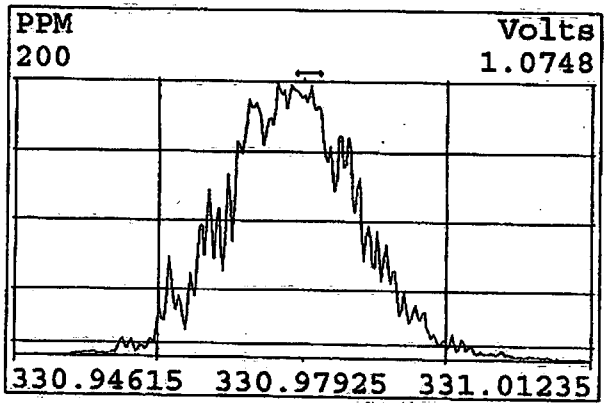
U855

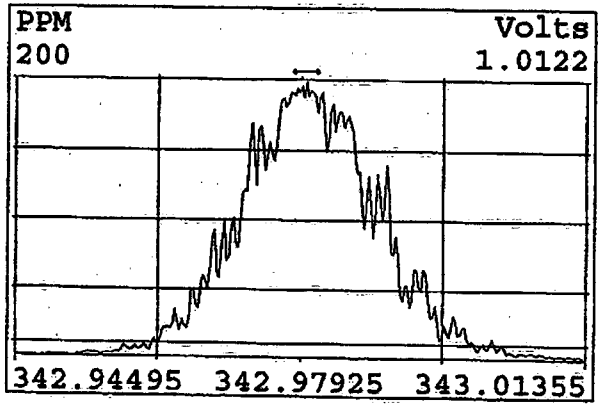
Peak Locate Examination:25-MAR-2005:11:37 File:24MR057D2ENDRES
Experiment:DB225 Function:1 Reference:PFK

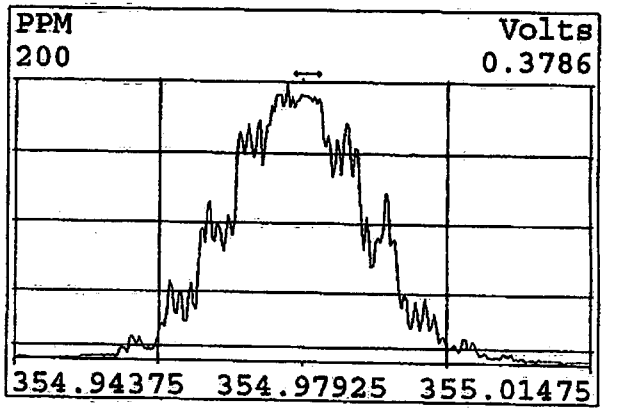


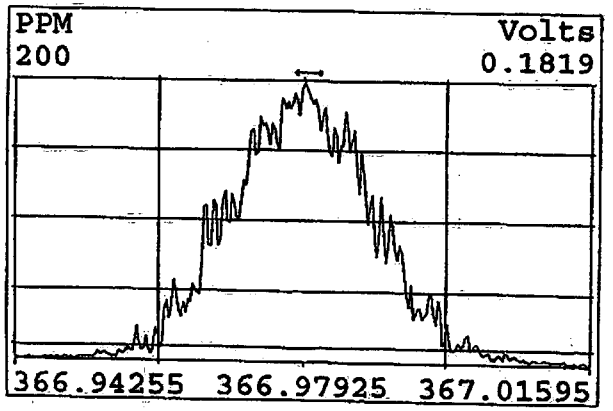


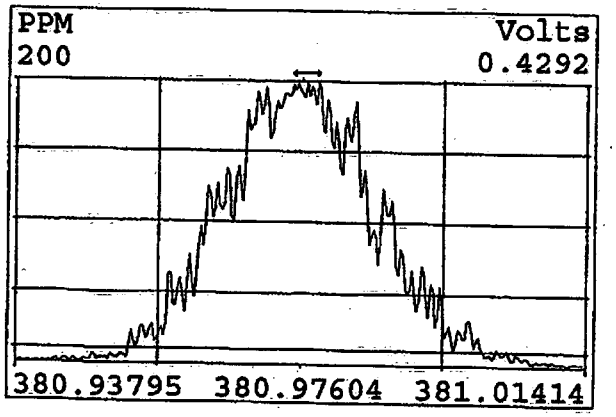












1136

STL Edison

U855

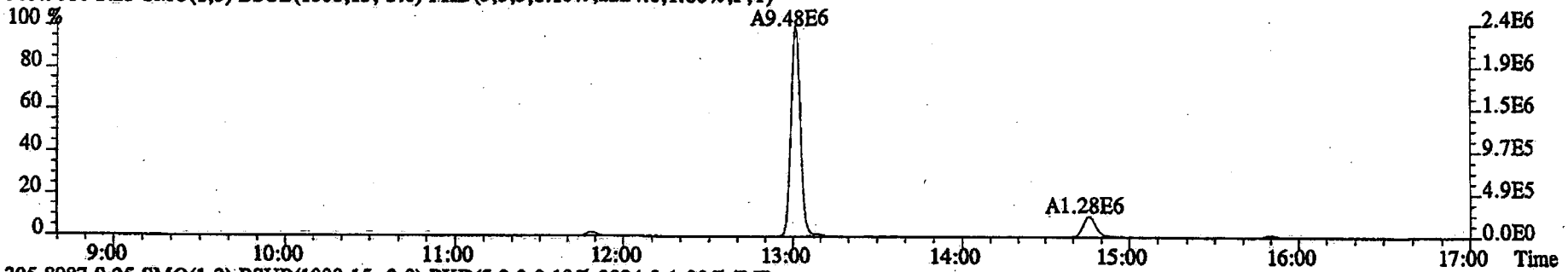
Run: 24MR057D2 Analyte: DB225 Cal: DB2250324057D2

ST0324 :CS1 2416-63A ST0324A :CS2 2416-63B ST0324B :CS3 2416-63C
ST0324C :CS4 2416-63D ST0324D :CS5 2416-63E

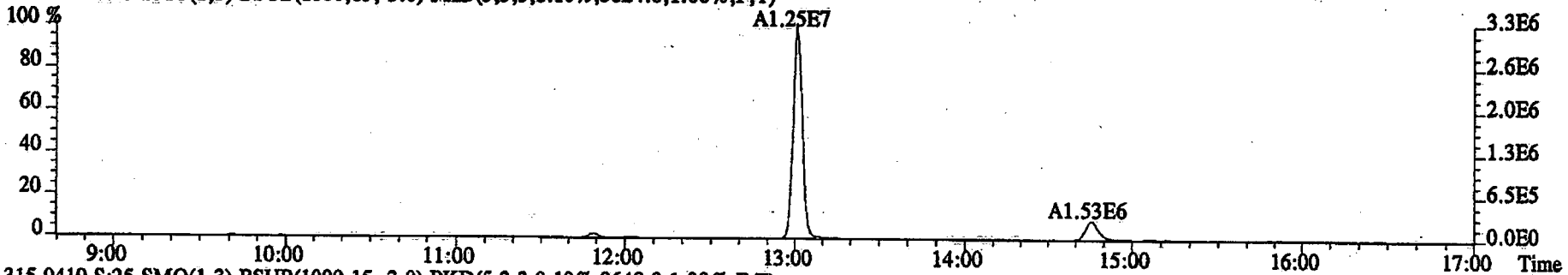
Name	Mean	S. D.	%RSD	24MR057D2 S1 RRF1	24MR057D2 S2 RRF2	24MR057D2 S3 RRF3	24MR057D2 S4 RRF4	24MR057D2 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.741	0.014	0.792	1.74	1.73	1.72	1.75	1.76
2,3,7,8-TCDF	0.781	0.146	18.7 %	0.61	0.65	0.81	0.91	0.93
13C-2,3,7,8-TCDD	1.100	0.033	3.02 %	1.06	1.09	1.10	1.09	1.15
2,3,7,8-TCDD	0.825	0.154	18.6 %	0.67	0.68	0.82	0.96	1.00
37Cl-2,3,7,8-TCDD	0.973	0.214	22.0 %	0.84	0.73	0.93	1.10	1.27

File:24MR057D2 #1-1169 Acq:25-MAR-2005 01:02:12 GC EI+ Voltage SIR 70S
Sample#25 Text:ST0324G :CS3 2416-63C Exp:DB225

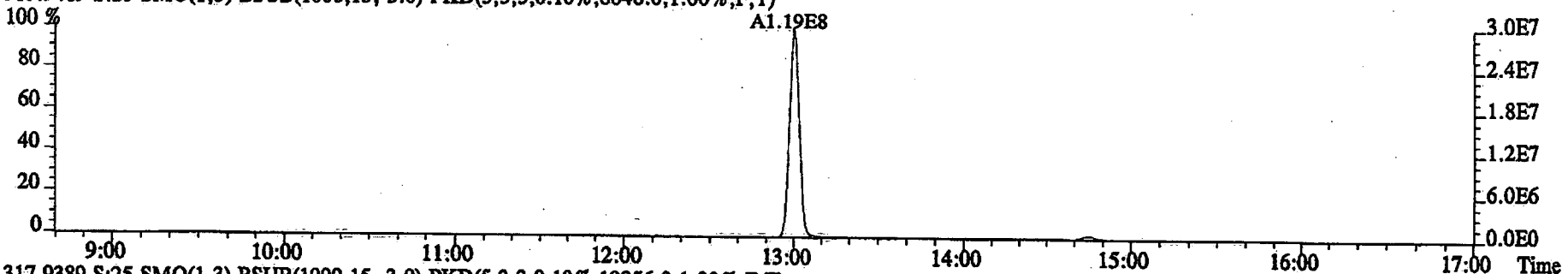
303.9016 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)



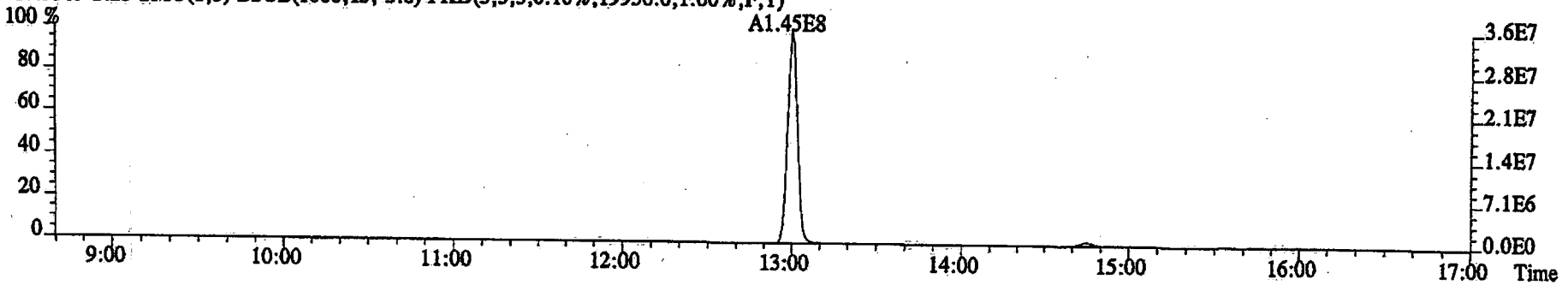
305.8987 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024.0,1.00%,F,T)



315.9419 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8648.0,1.00%,F,T)



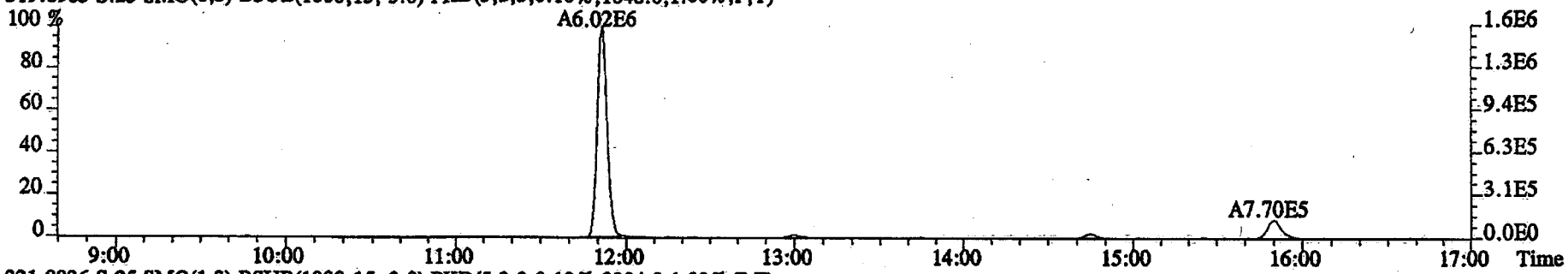
317.9389 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19956.0,1.00%,F,T)



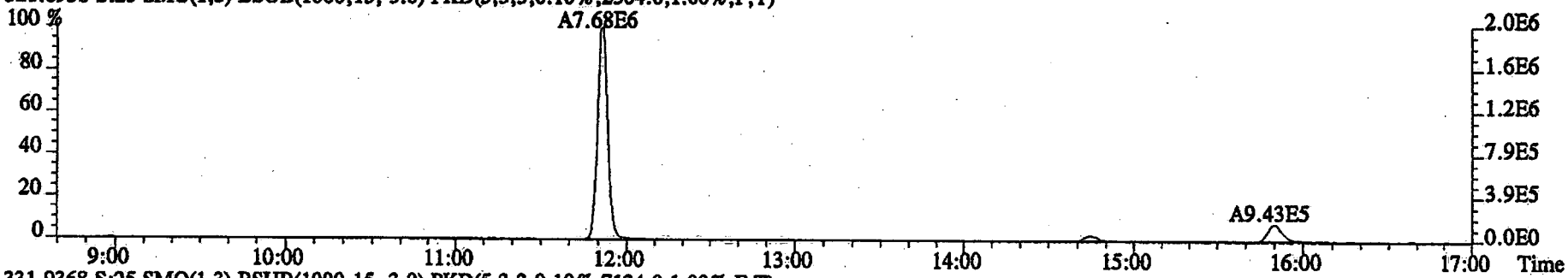
1138
STL Edison
U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 01:02:12 GC EI+ Voltage SIR 70S
Sample#25 Text:ST0324G :CS3 2416-63C Exp:DB225

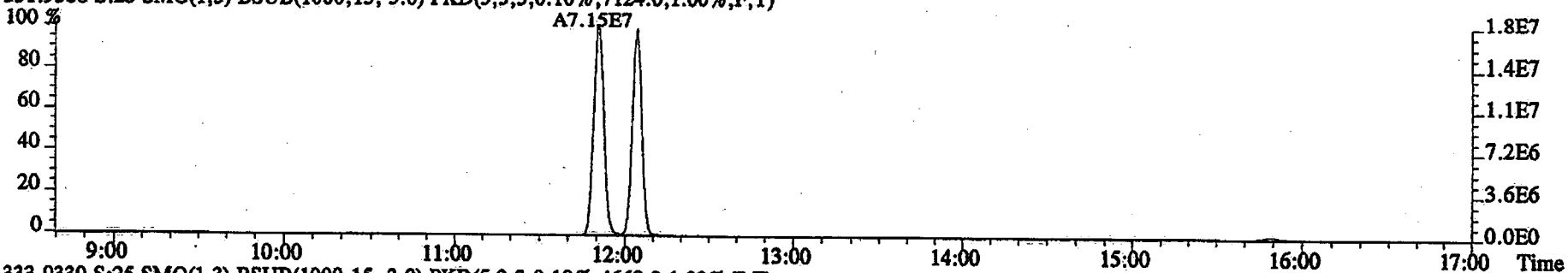
319.8965 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1648.0,1.00%,F,T)



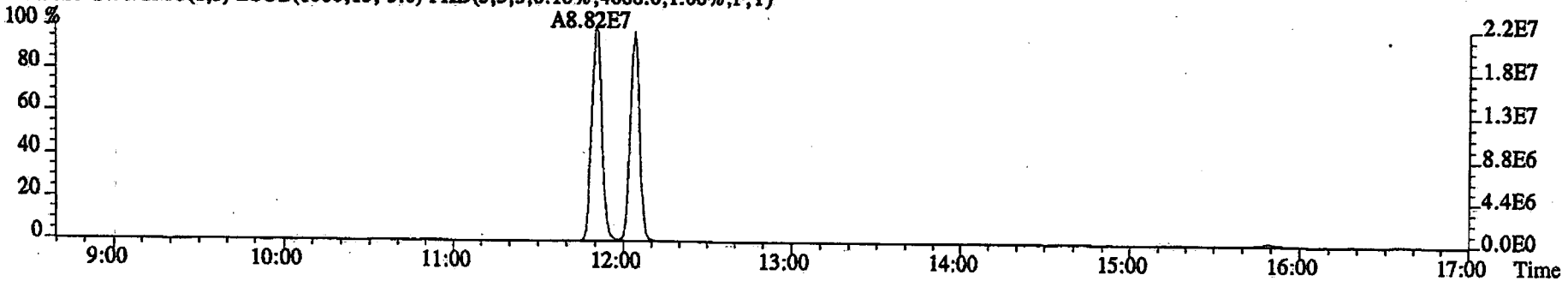
321.8936 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2304.0,1.00%,F,T)



331.9368 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7124.0,1.00%,F,T)



333.9339 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)

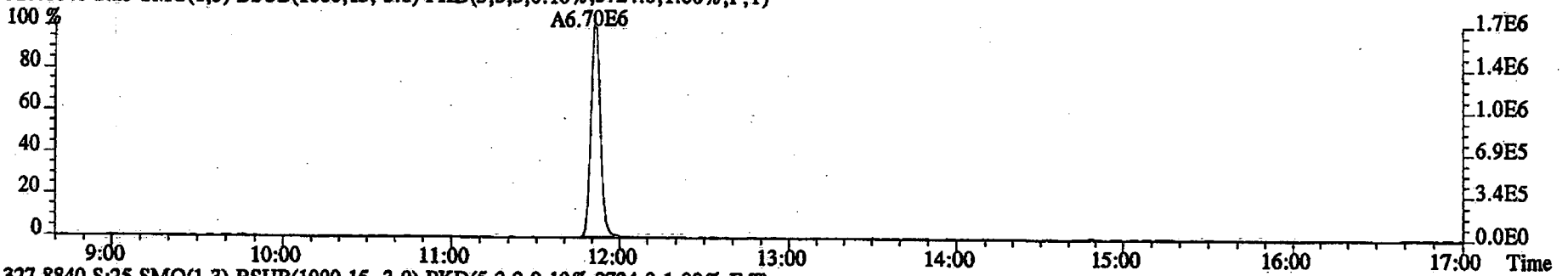


1139

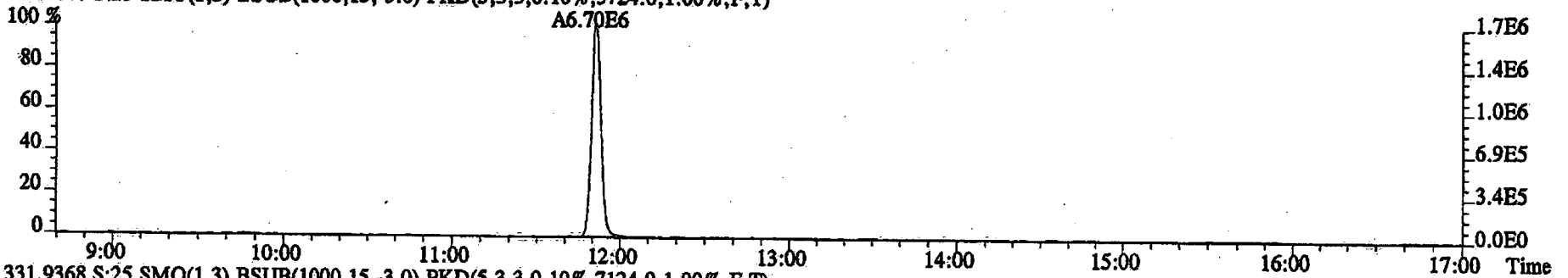
STL Edison

U855

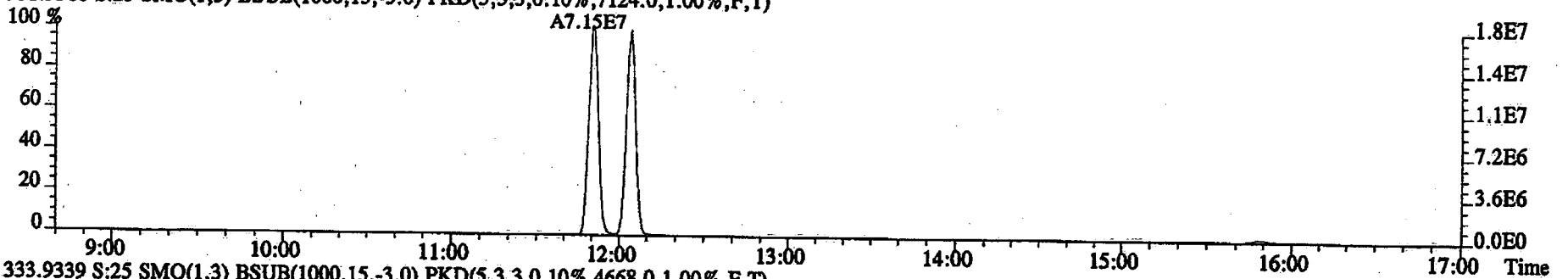
File:24MR057D2 #1-1169 Acq:25-MAR-2005 01:02:12 GC EI+ Voltage SIR 70S
Sample#25 Text:ST0324G :CS3 2416-63C Exp:DB225
327.8840 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)



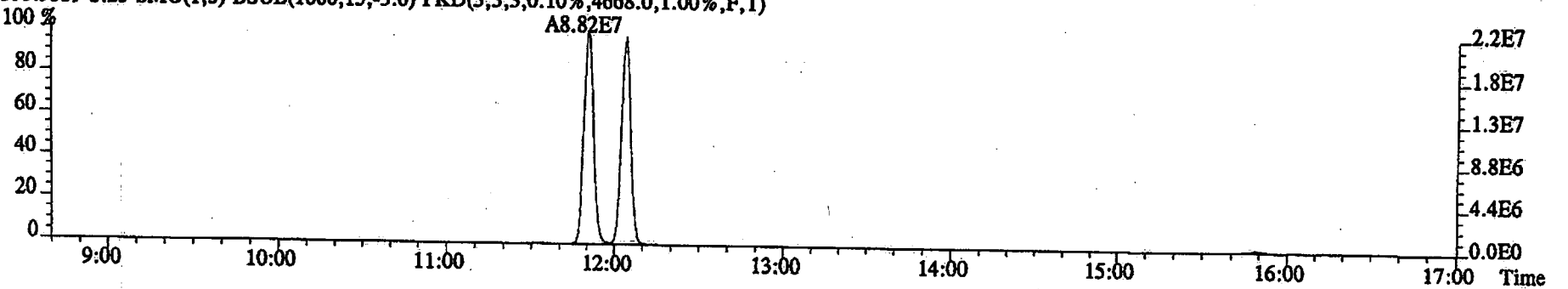
327.8840 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)



331.9368 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7124.0,1.00%,F,T)

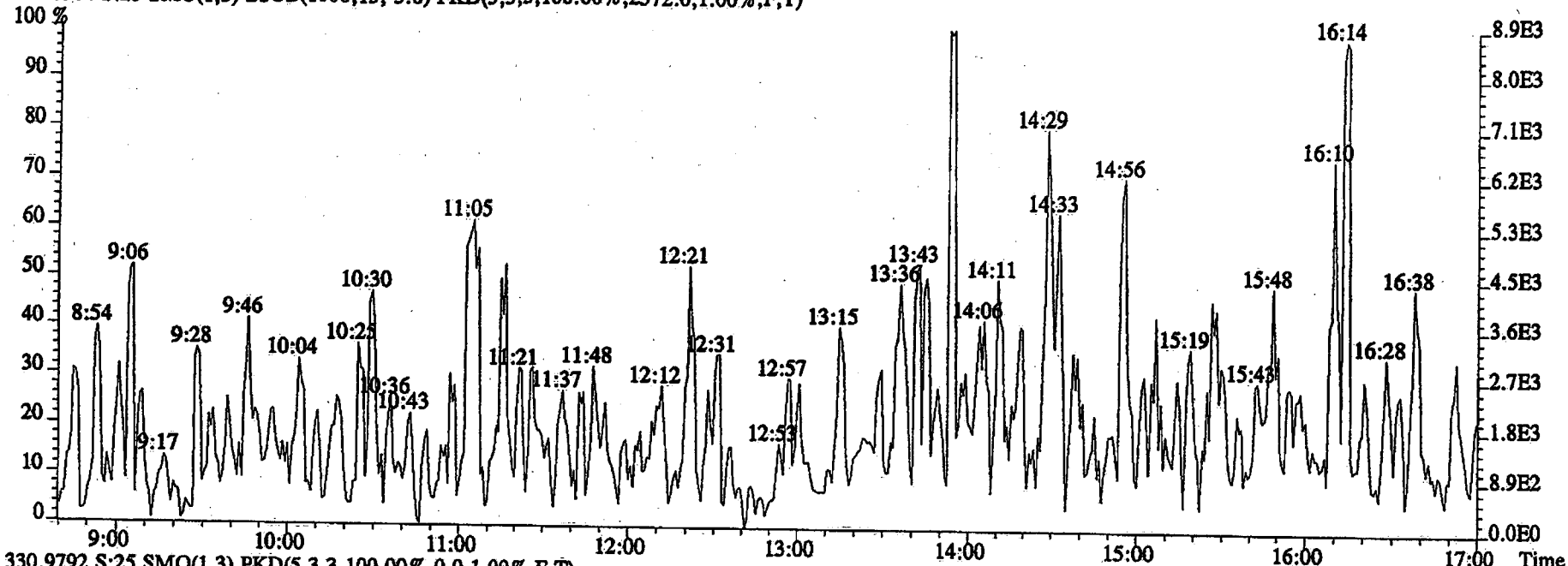


333.9339 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)

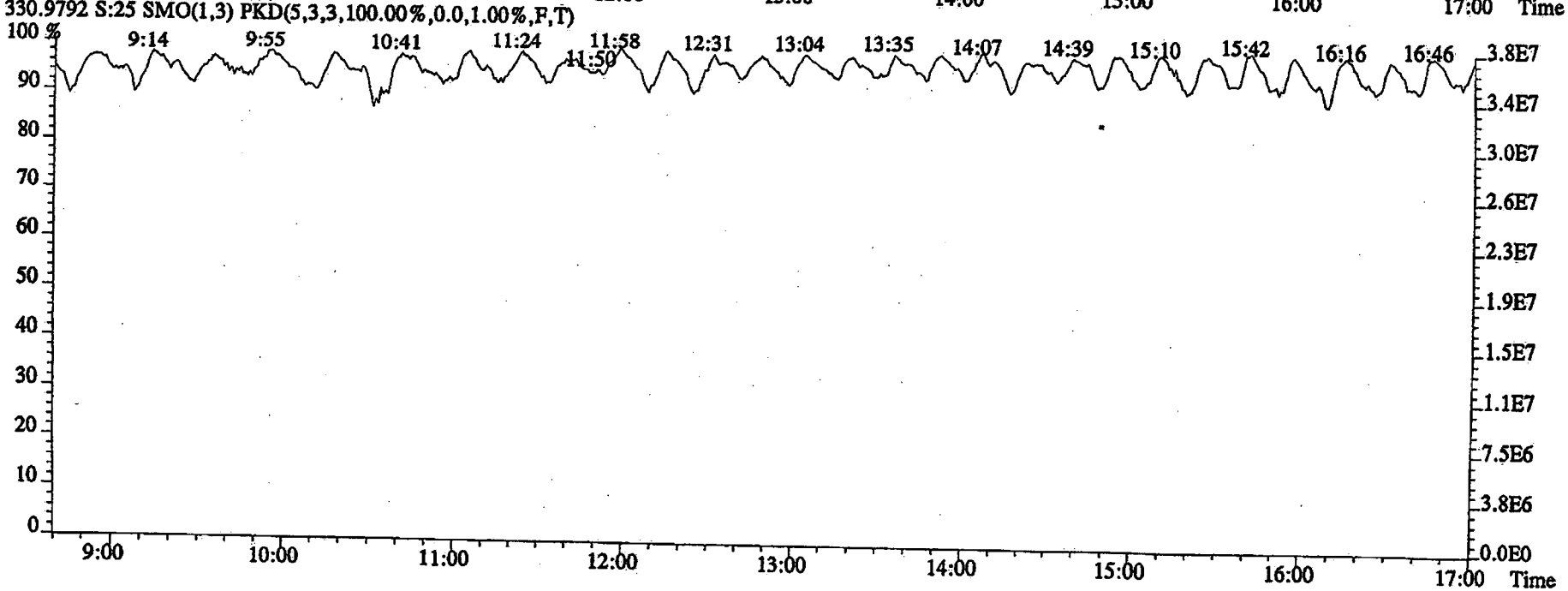


1140
STL Edison
U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 01:02:12 GC EI+ Voltage SIR 70S
Sample#25 Text:ST0324G :CS3 2416-63C Exp:DB225
375.8364 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2572.0,1.00%,F,T)



330.9792 S:25 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



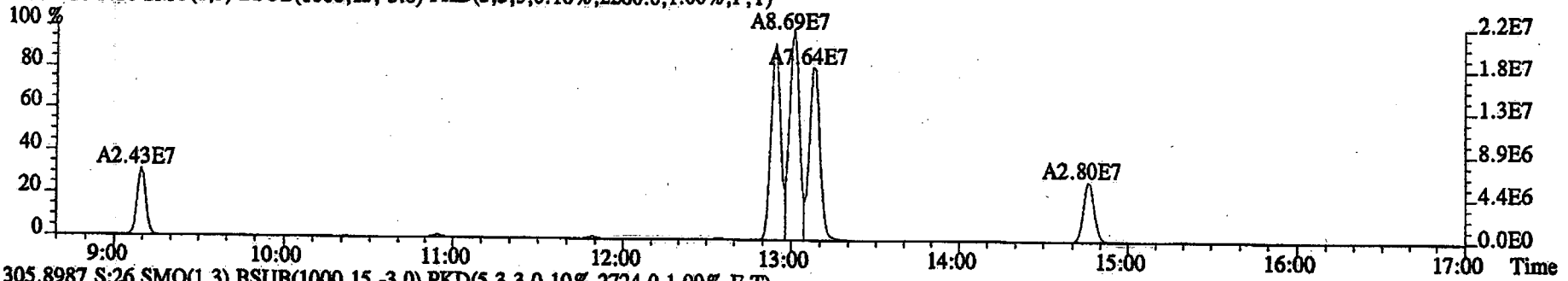
1141

STL Edison

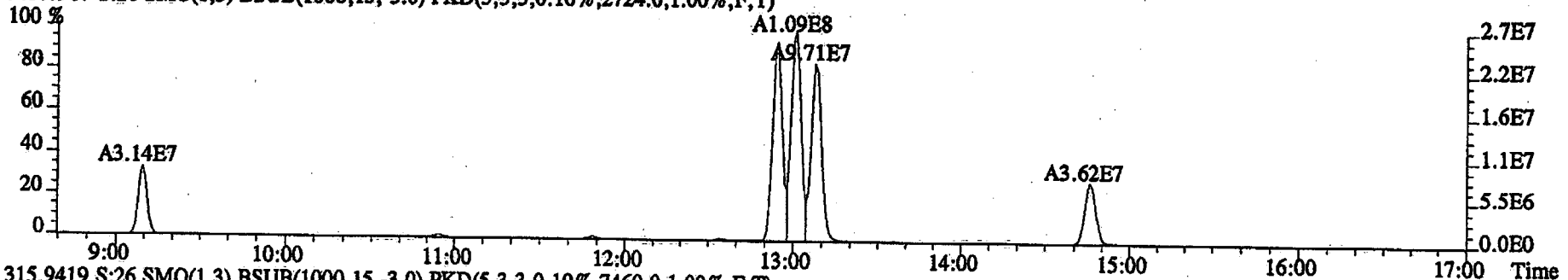
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 01:38:38 GC EI+ Voltage SIR 70S
Sample#26 Text:CP0324A :DB-225 CPSM 2416-28 Exp:DB225

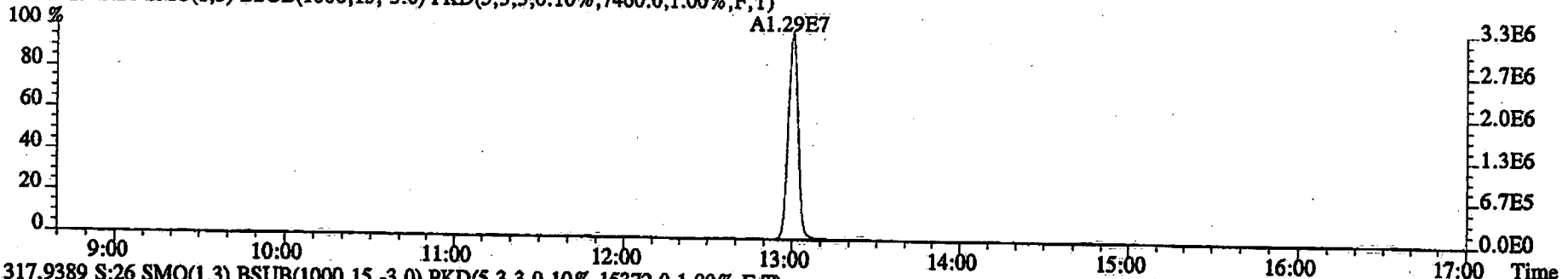
303.9016 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2280.0,1.00%,F,T)



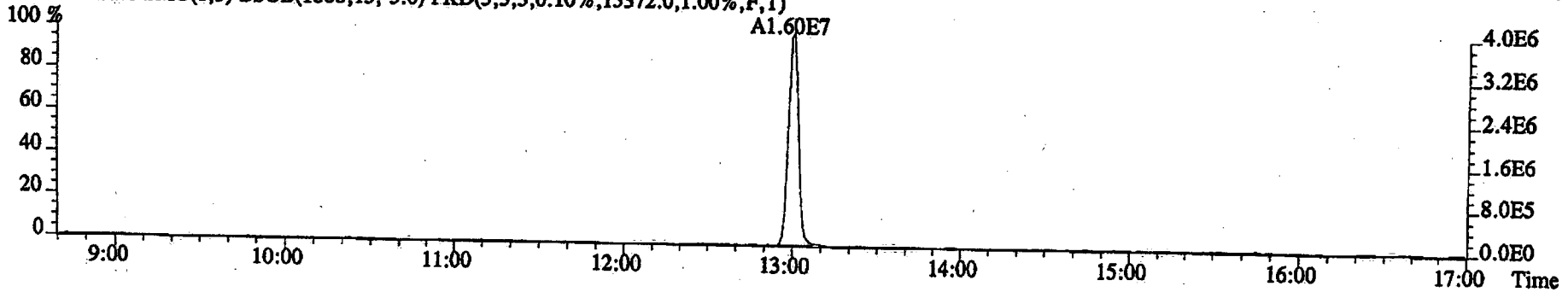
305.8987 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2724.0,1.00%,F,T)



315.9419 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7460.0,1.00%,F,T)



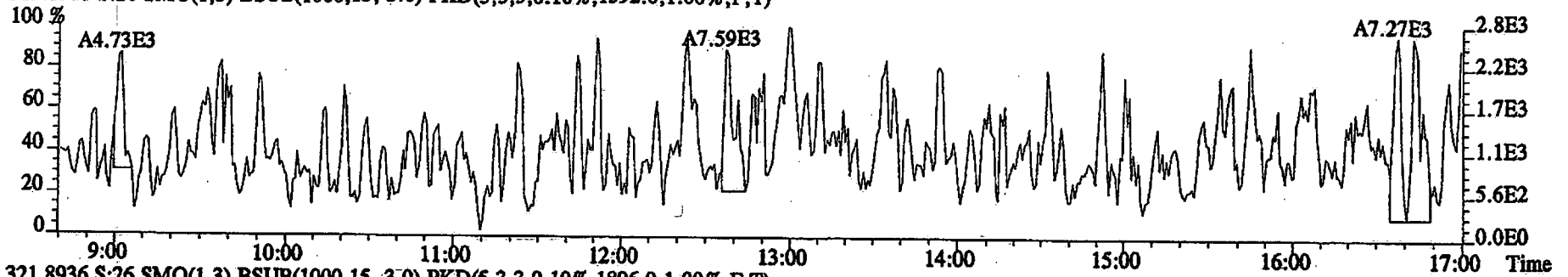
317.9389 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15372.0,1.00%,F,T)



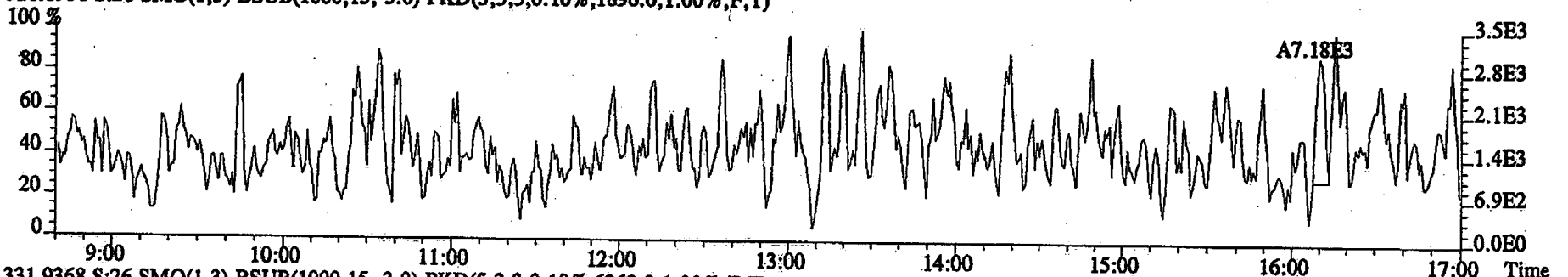
1142
STL Edison
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 01:38:38 GC EI+ Voltage SIR 70S
Sample#26 Text:CP0324A :DB-225 CPSM 2416-28 Exp:DB225

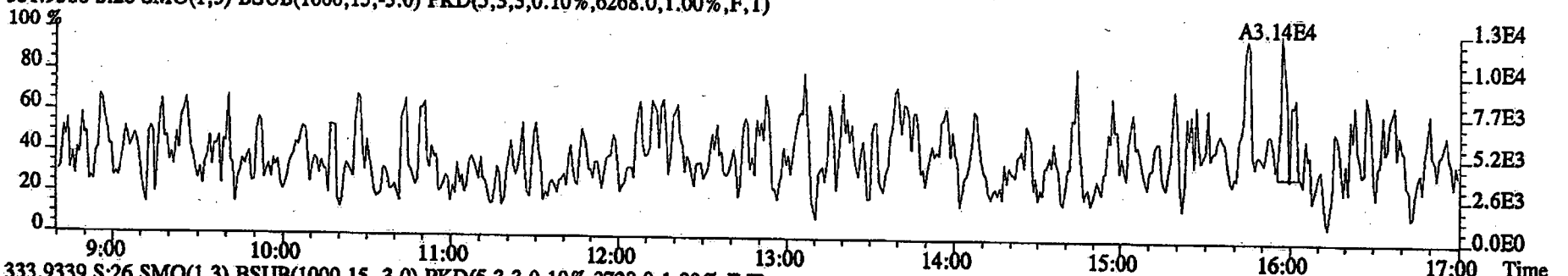
319.8965 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)



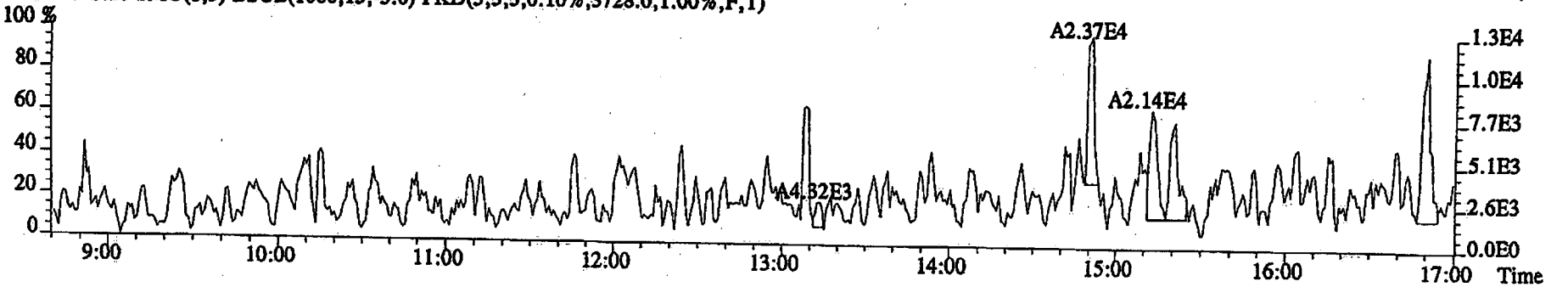
321.8936 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



331.9368 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



333.9339 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3728.0,1.00%,F,T)



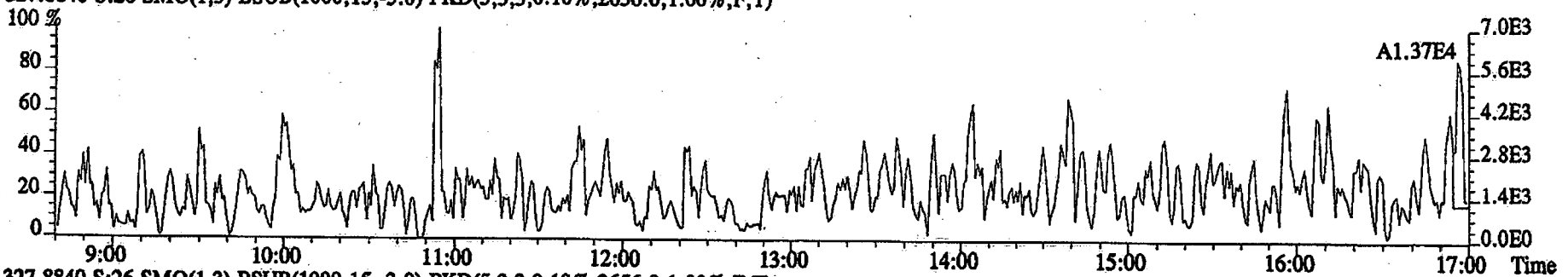
1143

STL Edison

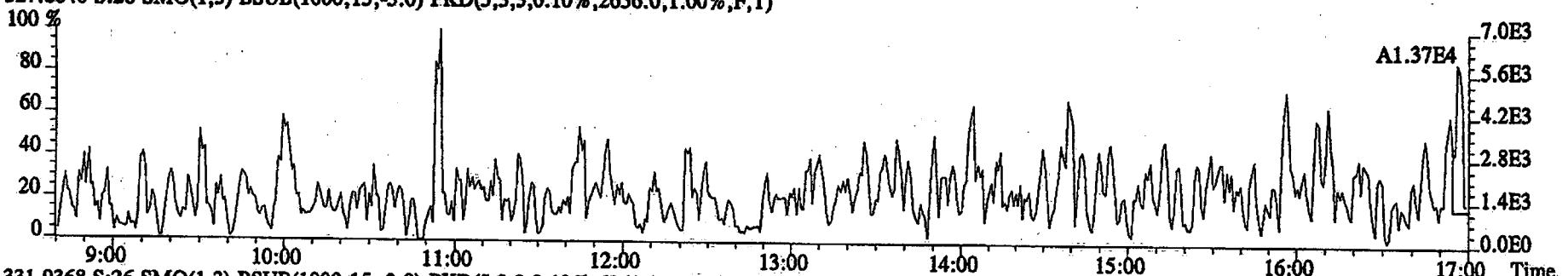
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 01:38:38 GC EI+ Voltage SIR 70S
Sample#26 Text:CP0324A :DB-225 CPSM 2416-28 Exp:DB225

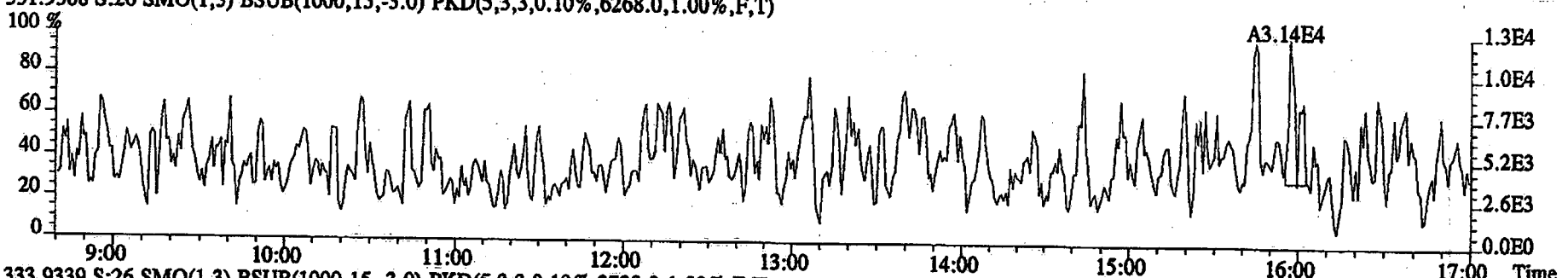
327.8840 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



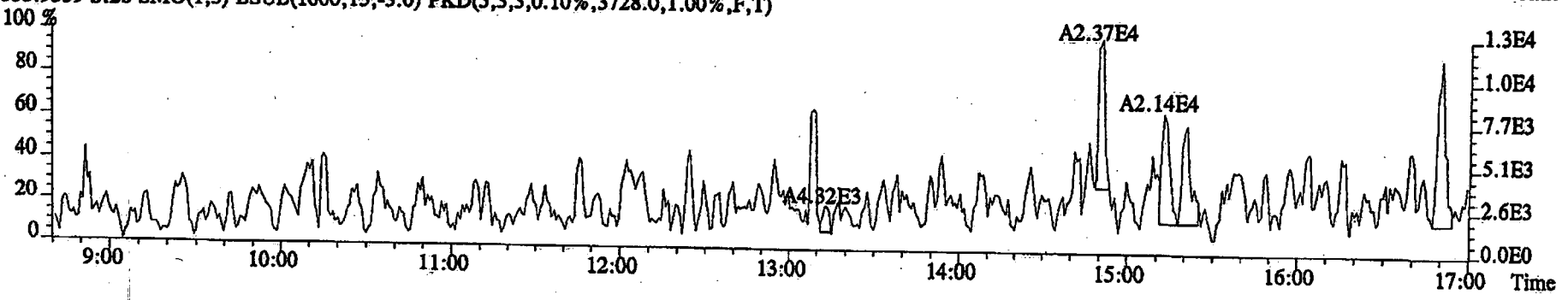
327.8840 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



331.9368 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



333.9339 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3728.0,1.00%,F,T)

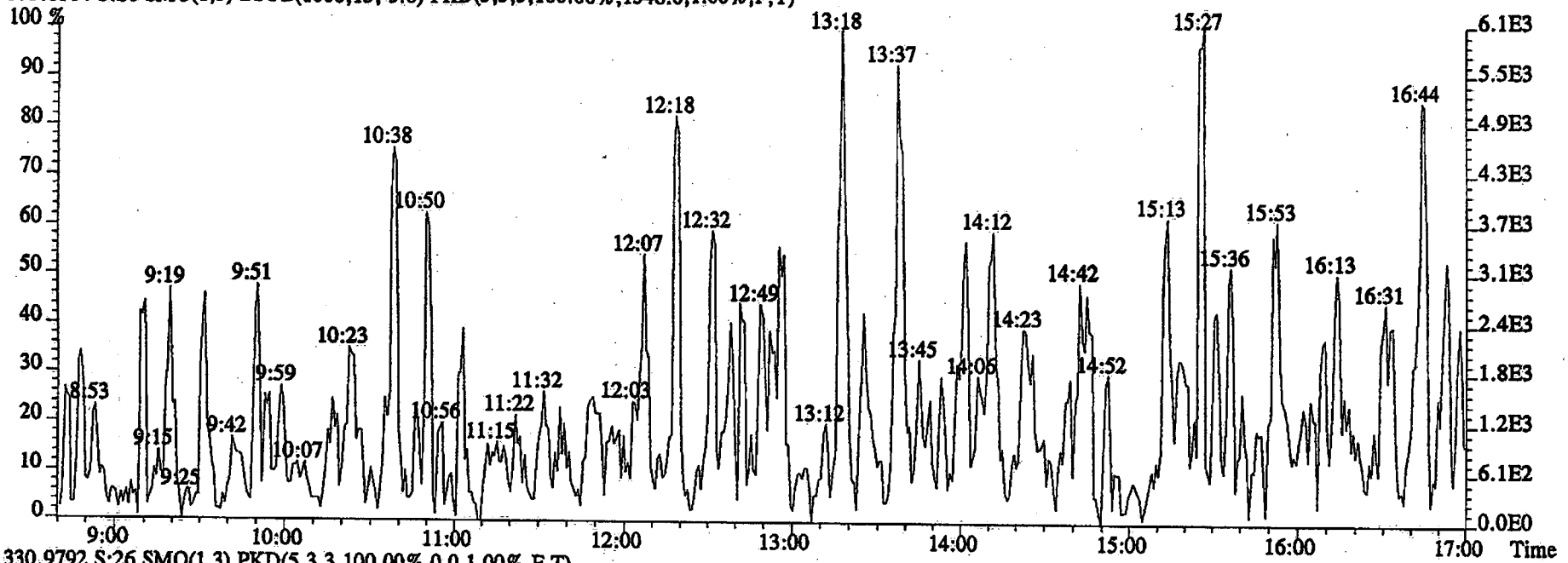


1144

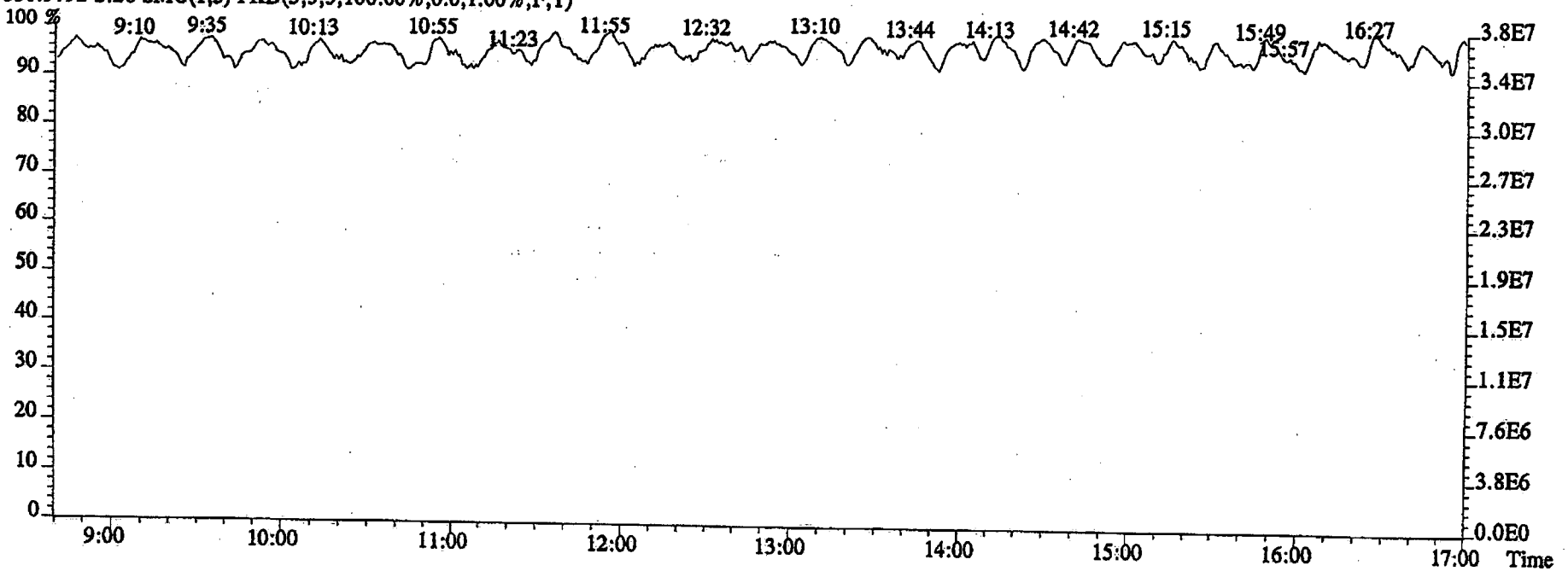
STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 01:38:38 GC EI+ Voltage SIR 70S
Sample#26 Text:CP0324A :DB-225 CPSM 2416-28 Exp:DB225
375.8364 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1548.0,1.00%,F,T)



330.9792 S:26 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

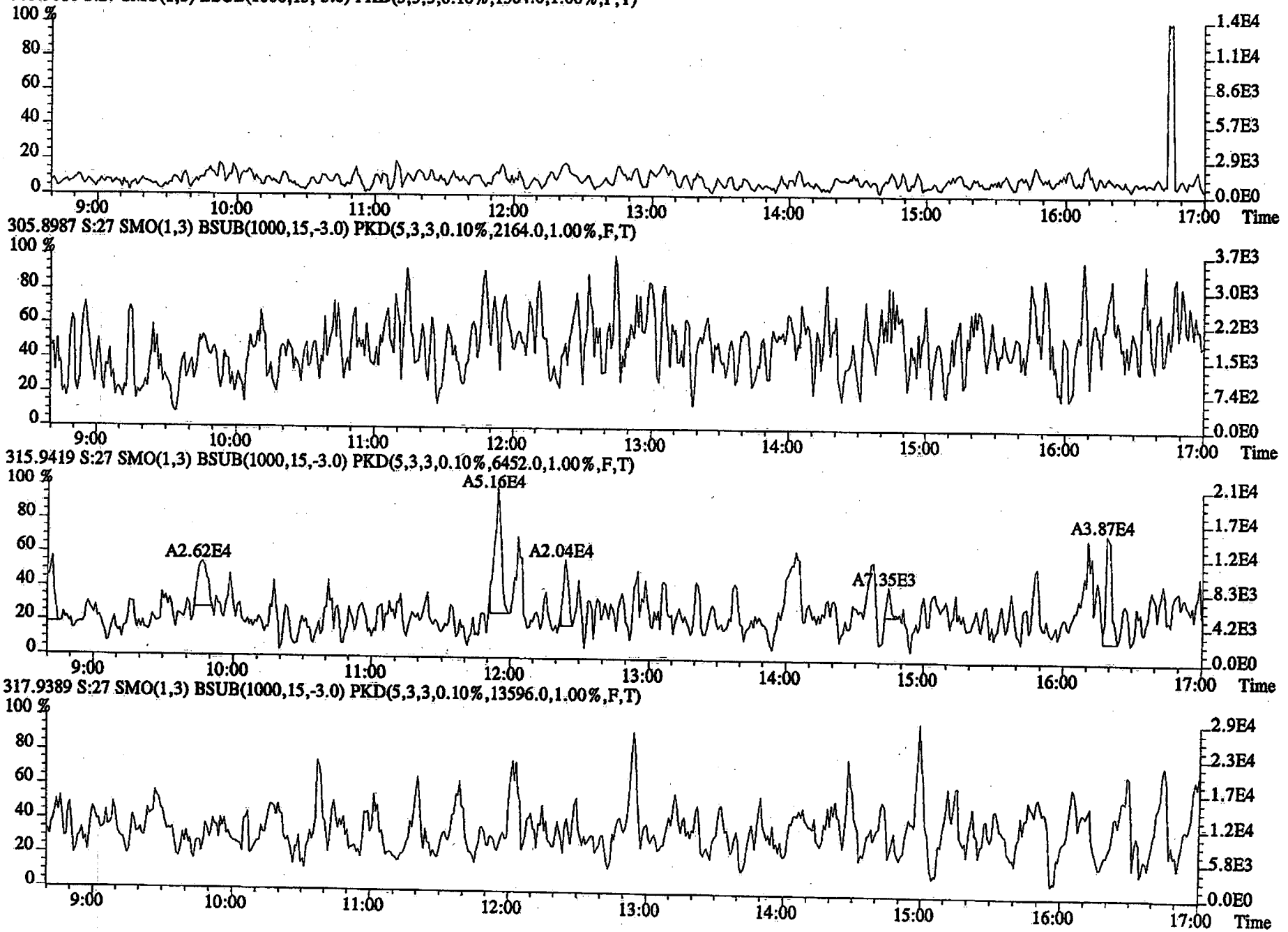


1145

STL Edison

U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 02:15:02 GC EI+ Voltage SIR 70S
Sample#27 Text:SB0324C :Solvent Blank C-14 Exp:DB225



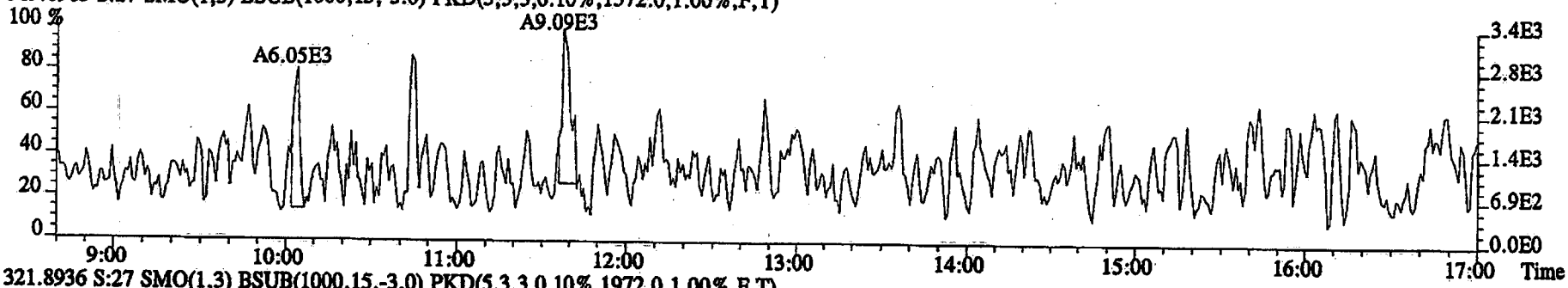
1146

STL Edison

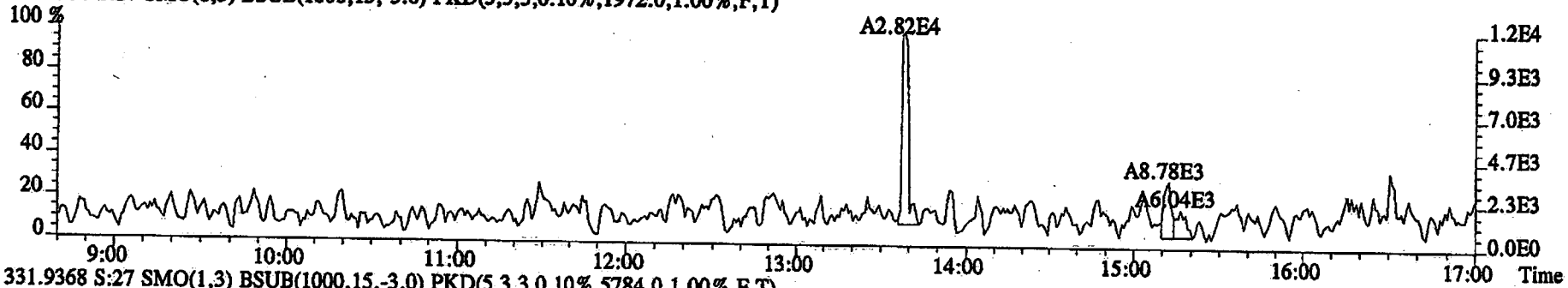
U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 02:15:02 GC EI+ Voltage SIR 70S
Sample#27 Text:SB0324C :Solvent Blank C-14 Exp:DB225

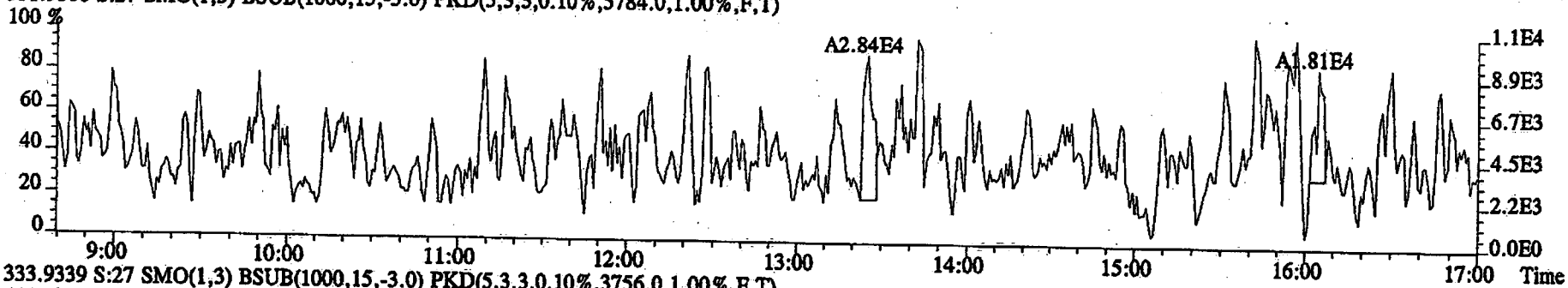
319.8965 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)



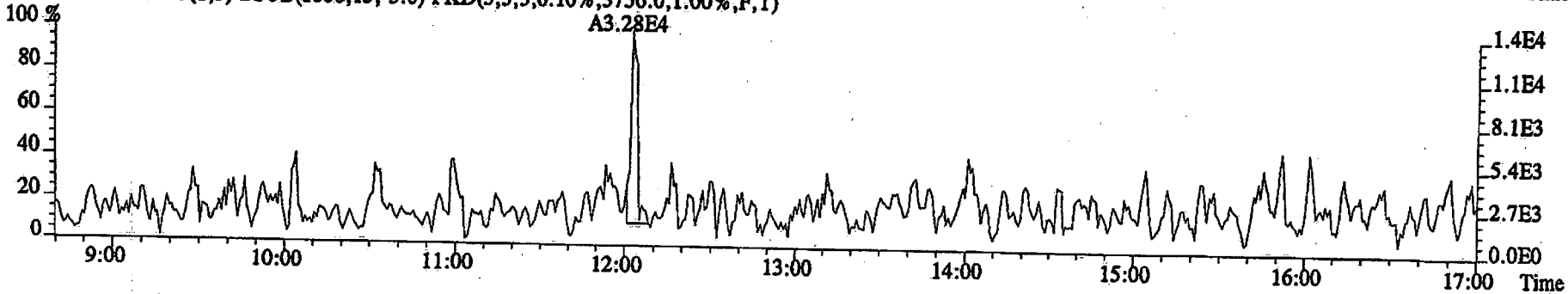
321.8936 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1972.0,1.00%,F,T)



331.9368 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5784.0,1.00%,F,T)



333.9339 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3756.0,1.00%,F,T)



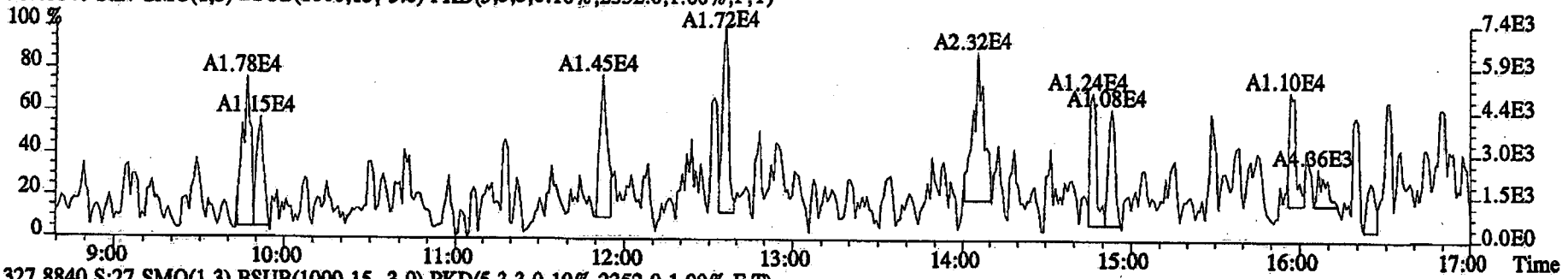
1147

STL Edison

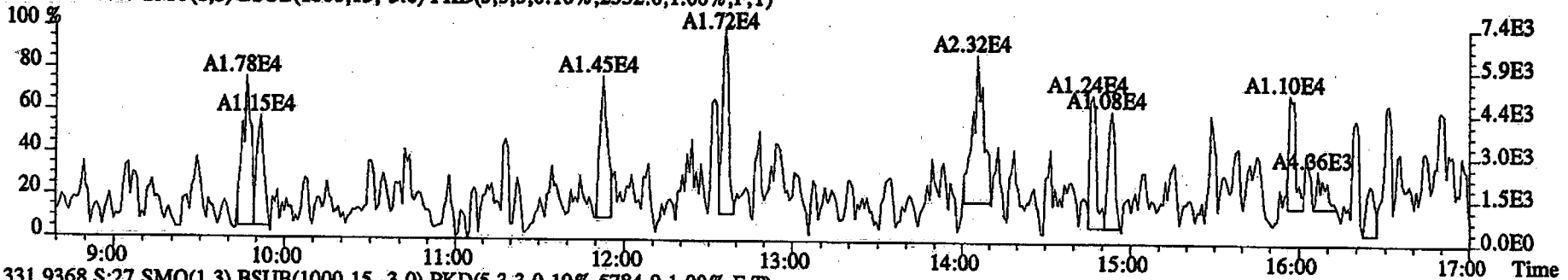
U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 02:15:02 GC EI+ Voltage SIR 70S
Sample#27 Text:SB0324C :Solvent Blank C-14 Exp:DB225

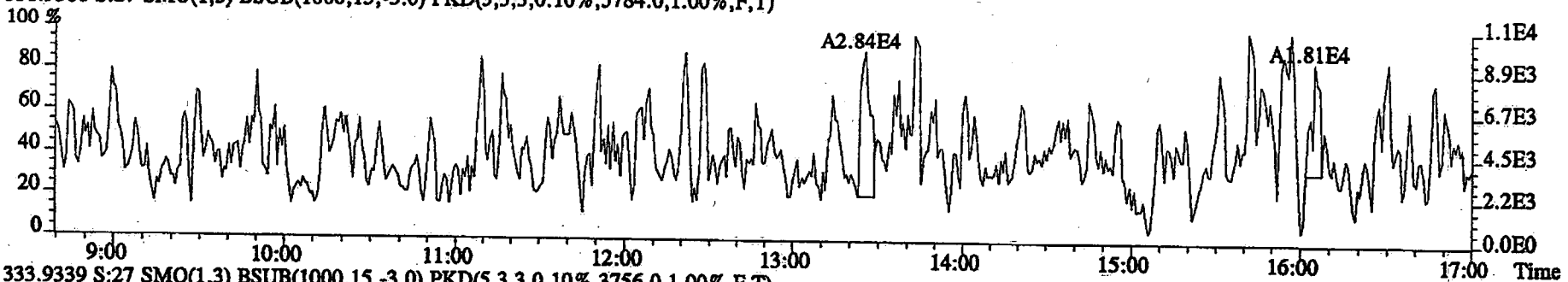
327.8840 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2352.0,1.00%,F,T)



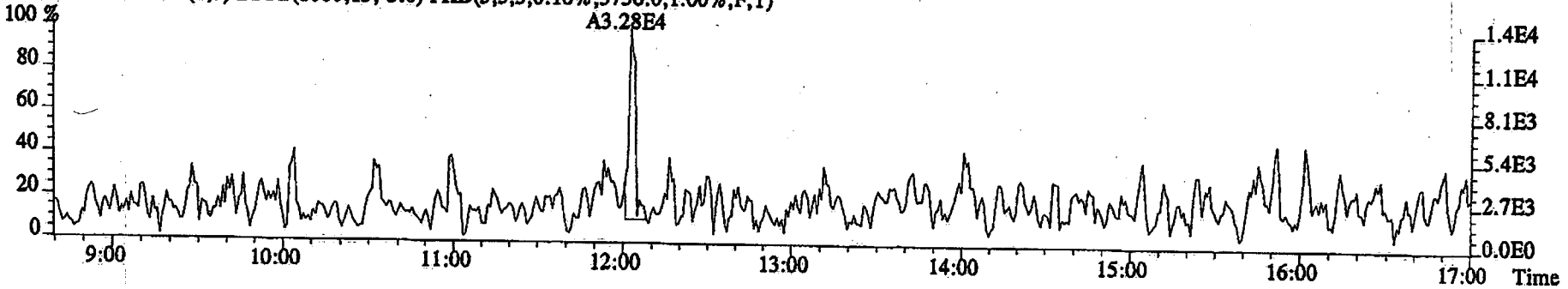
327.8840 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2352.0,1.00%,F,T)



331.9368 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5784.0,1.00%,F,T)

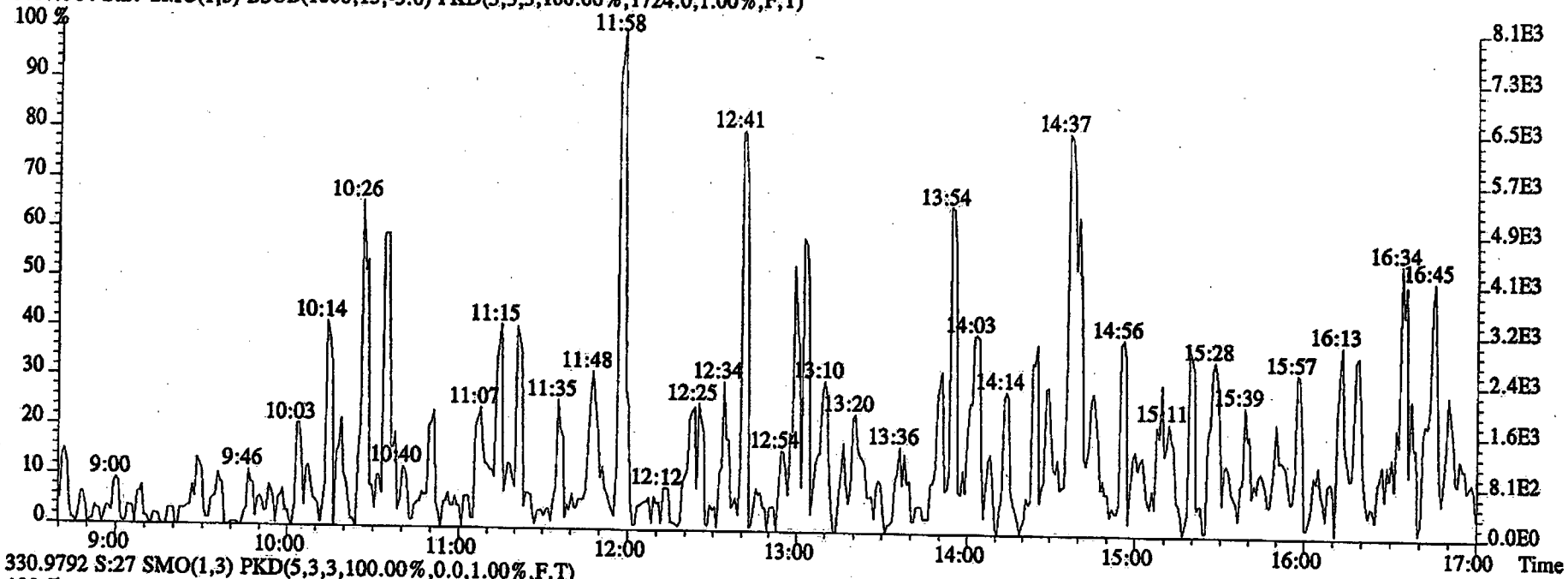


333.9339 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3756.0,1.00%,F,T)

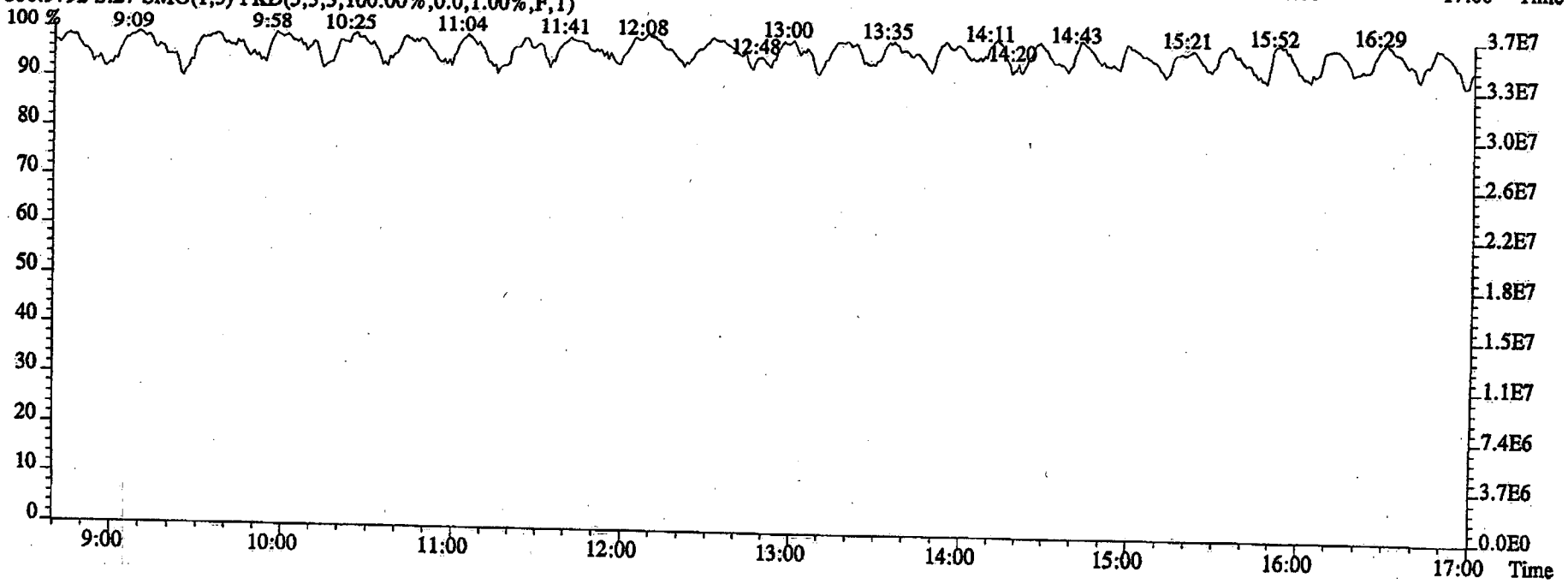


1148
STL Edison
U855

File:24MR057D2 #1-1169 Acq:25-MAR-2005 02:15:02 GC EI+ Voltage SIR 70S
Sample#27 Text:SB0324C :Solvent Blank C-14 Exp:DB225
375.8364 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1724.0,1.00%,F,T)



330.9792 S:27 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



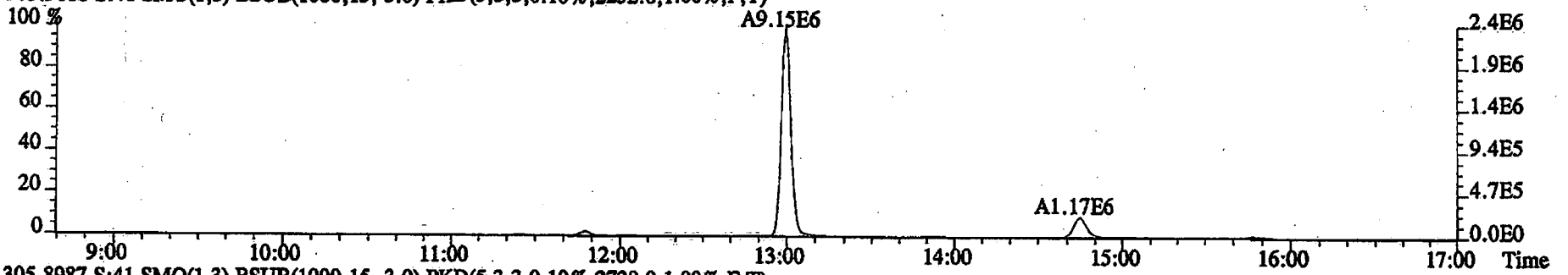
1149

STL Edison

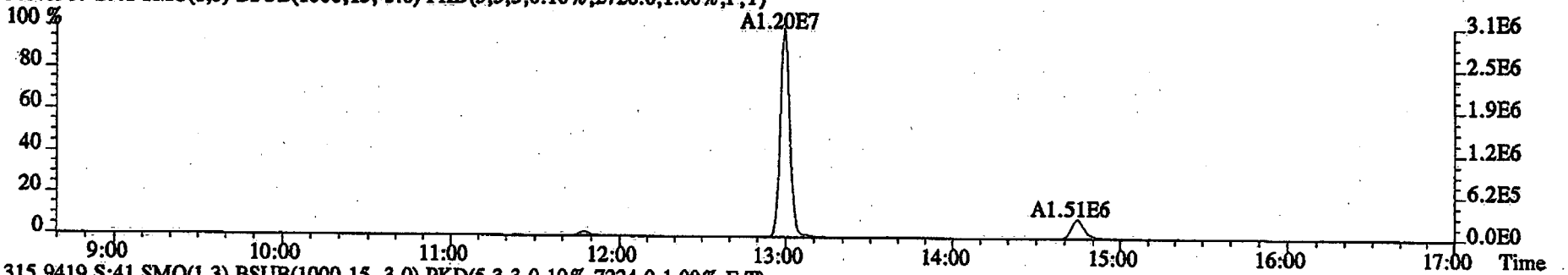
U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 10:44:49 GC EI+ Voltage SIR 70S
Sample#41 Text:ST0324H :CS3 2416-63C Exp:DB225

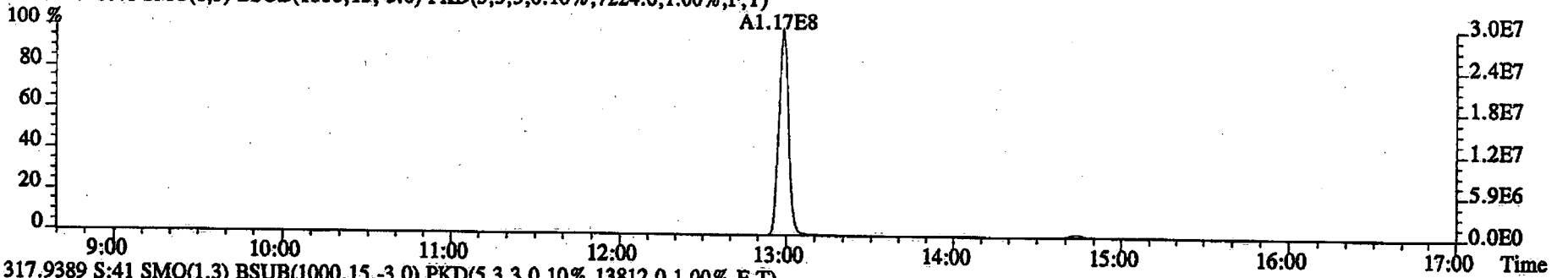
303.9016 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2252.0,1.00%,F,T)



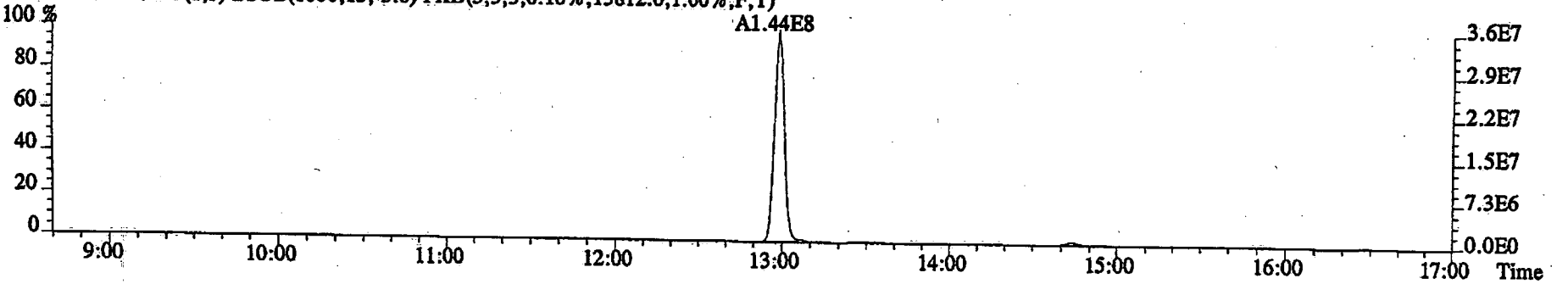
305.8987 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2728.0,1.00%,F,T)



315.9419 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



317.9389 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13812.0,1.00%,F,T)

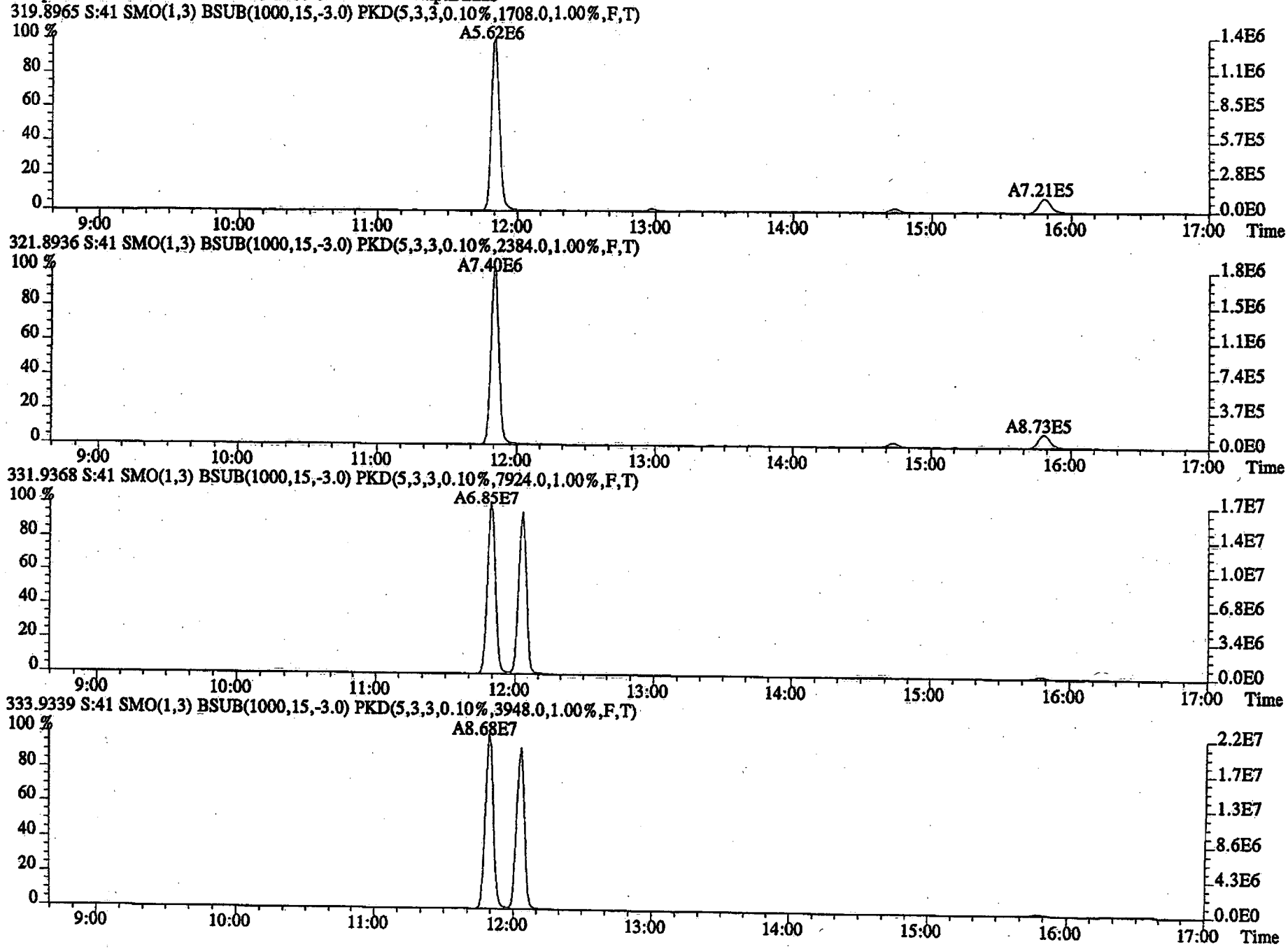


1150

STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 10:44:49 GC EI+ Voltage SIR 70S
Sample#41 Text:ST0324H :CS3 2416-63C Exp:DB225

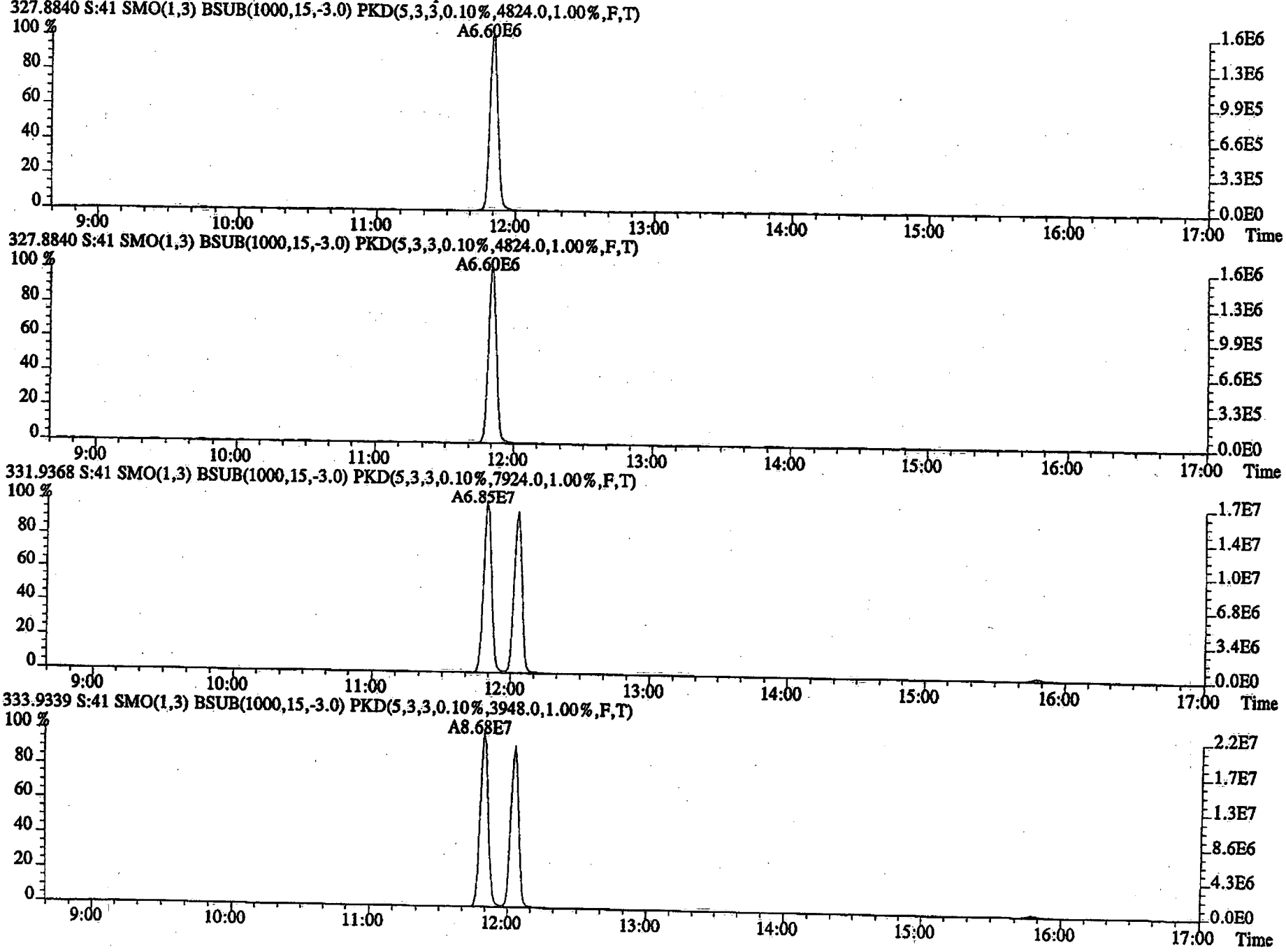


1151

STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 10:44:49 GC EI+ Voltage SIR 70S
Sample#41 Text:ST0324H :CS3 2416-63C Exp:DB225

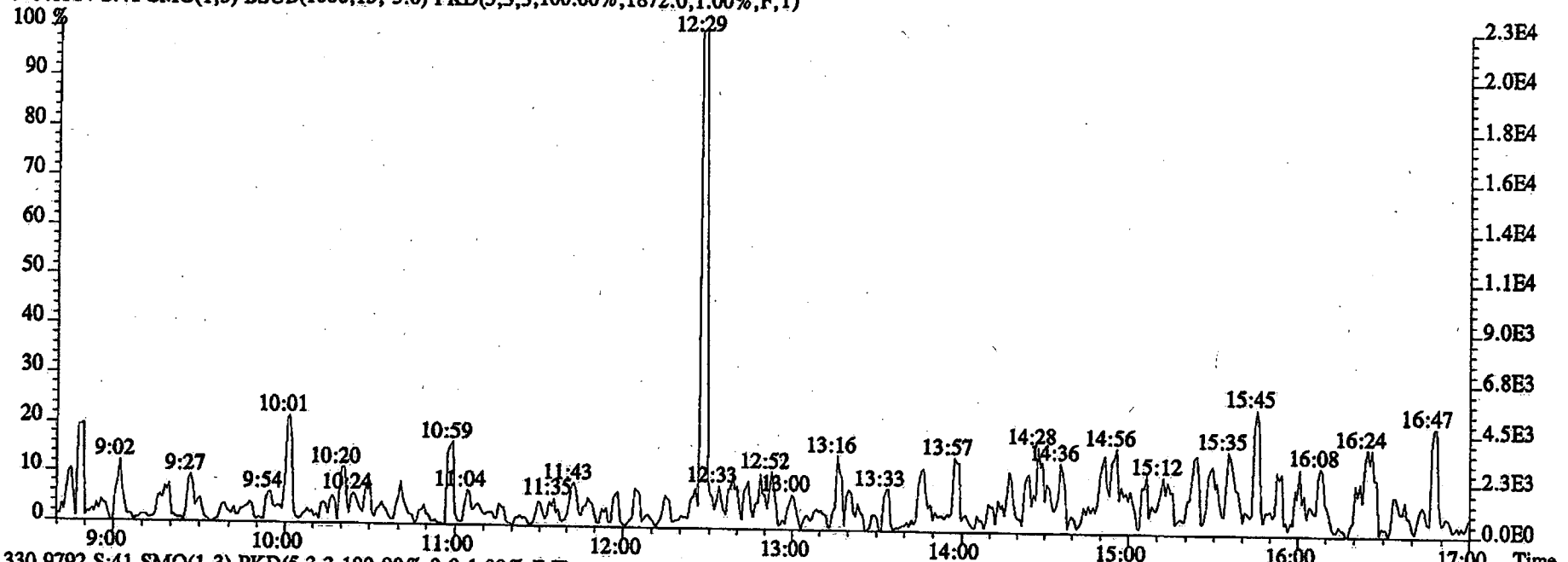


1152

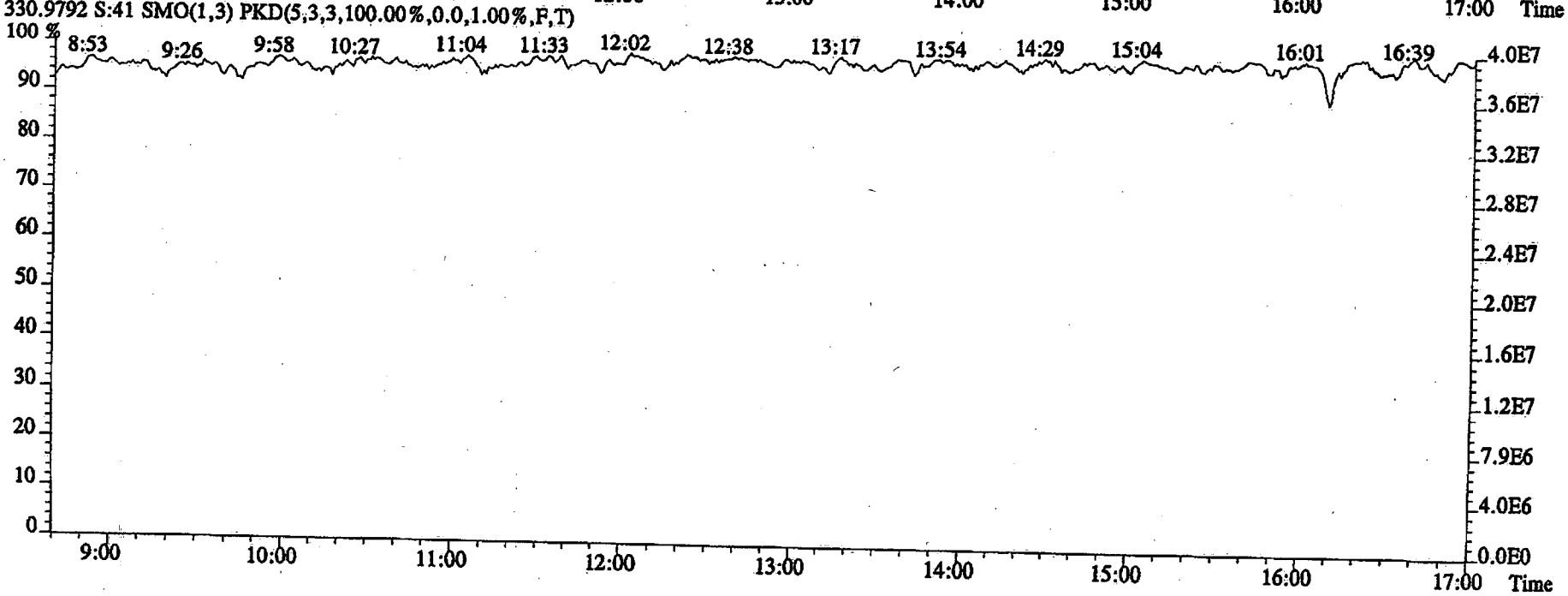
STL Edison

U855

File:24MR057D2 #1-1168 Acq:25-MAR-2005 10:44:49 GC EI+ Voltage SIR 70S
Sample#41 Text:ST0324H :CS3 2416-63C Exp:DB225
375.8364 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1872.0,1.00%,F,T)



330.9792 S:41 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1153

STL Edison

U855

Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

SEVERN TRENT SERVICES

Initial Calibration Checklist

High Resolution

ICAL ID (8290, 1613, Tetras, T09, 23, 0023A) 120904905

Method ID 8290, 1613B(A), Tetras, 23, 0023A

Column ID DB5

Instrument ID 905

STD ID's ST1209, (A-D)

STD Solution 2416-23A-E

Multiplier Setting 404 V

Analyzed By JRB

Date Analyzed 12/9/04

Prepared By JRB

Date Prepared 12/10/04

Reviewed By [illegible]

Date Reviewed 12/10/04

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?*	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

*Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
Method 1613A: %CV≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
DBD/DBF: %RSD≤30% for natives, ≤40% for labeled analytes; S/N≥10

QA-384 DW 05/03

Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5

ST1209 :CS3 2416-23A ST1209A :CS3 2416-23B ST1209B :CS3 2416-23C
ST1209C :CS3 2416-23D ST1209D :CS3 2416-23E

Name	Mean	S. D.	%RSD	09DE049D5 S1 RRF1	09DE049D5 S2 RRF2	09DE049D5 S3 RRF3	09DE049D5 S4 RRF4	09DE049D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.569	0.081	5.18 %	1.47	1.57	1.67	1.52	1.62
2,3,7,8-TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
Total TCDF	0.789	0.069	8.70 %	0.88	0.80	0.78	0.79	0.69
13C-2,3,7,8-TCDD	1.073	0.040	3.74 %	1.02	1.06	1.13	1.08	1.07
2,3,7,8-TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
Total TCDD	0.975	0.034	3.44 %	1.01	0.98	1.00	0.96	0.92
37Cl-2,3,7,8-TCDD	1.015	0.059	5.81 %	1.06	0.94	1.08	0.98	1.02
13C-1,2,3,7,8-PeCDF	1.263	0.055	4.33 %	1.17	1.27	1.30	1.27	1.31
1,2,3,7,8-PeCDF	0.817	0.031	3.76 %	0.84	0.79	0.84	0.84	0.78
2,3,4,7,8-PeCDF	0.842	0.031	3.67 %	0.85	0.81	0.88	0.86	0.81
Total F2 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
Total F1 PeCDF	0.830	0.030	3.66 %	0.85	0.80	0.86	0.85	0.79
13C-1,2,3,7,8-PeCDD	0.801	0.034	4.29 %	0.76	0.79	0.83	0.79	0.84
1,2,3,7,8-PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
Total PeCDD	1.031	0.042	4.09 %	1.08	1.01	1.03	1.06	0.98
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.035	0.052	5.03 %	0.98	1.04	1.12	1.01	1.03
1,2,3,4,7,8-HxCDF	1.042	0.038	3.62 %	1.08	1.01	1.01	1.08	1.02
1,2,3,6,7,8-HxCDF	1.087	0.047	4.31 %	1.14	1.06	1.06	1.13	1.04
2,3,4,6,7,8-HxCDF	1.001	0.034	3.45 %	1.02	0.95	0.98	1.04	1.01
1,2,3,7,8,9-HxCDF	0.950	0.042	4.42 %	1.00	0.92	0.91	0.99	0.92
Total HxCDF	1.020	0.038	3.74 %	1.06	0.99	0.99	1.06	1.00
13C-1,2,3,6,7,8-HxCDD	0.855	0.018	2.06 %	0.83	0.85	0.87	0.86	0.87
1,2,3,4,7,8-HxCDD	0.933	0.038	4.09 %	0.97	0.89	0.96	0.94	0.90

1,2,3,6,7,8-HxCDD	0.978	0.027	2.80 %	0.98	0.98	0.98	1.01	0.93
1,2,3,7,8,9-HxCDD	1.006	0.035	3.45 %	1.03	1.00	1.03	1.02	0.95
Total HxCDD	0.972	0.030	3.04 %	1.00	0.96	0.99	0.99	0.93
13C-1,2,3,4,6,7,8-HpCDF	0.966	0.019	1.96 %	0.96	0.96	1.00	0.96	0.95
1,2,3,4,6,7,8-HpCDF	1.133	0.029	2.53 %	1.16	1.13	1.13	1.15	1.09
1,2,3,4,7,8,9-HpCDF	1.029	0.038	3.64 %	1.08	1.01	1.03	1.04	0.98
Total HpCDF	1.081	0.032	3.00 %	1.12	1.07	1.08	1.09	1.03
13C-1,2,3,4,6,7,8-HpCDD	0.976	0.038	3.87 %	1.01	0.99	1.01	0.94	0.93
1,2,3,4,6,7,8-HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
Total HpCDD	0.858	0.026	2.99 %	0.89	0.85	0.84	0.87	0.83
13C-OCDD	0.925	0.020	2.21 %	0.95	0.93	0.93	0.90	0.91
OCDF	1.031	0.026	2.53 %	1.03	1.01	1.01	1.08	1.03
OCDD	0.913	0.045	4.89 %	0.97	0.91	0.87	0.94	0.87

Run #1 Filename 09DE049D5 S: 1 I: 1
Acquired: 9-DEC-04 13:43:19 Processed: 9-DEC-04 16:59:06
Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5
Comments:
Sample text: ST1209 :CS3 2416-23A

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	62191500	0.79	y	17:41	-	100.00	n
13C-2,3,7,8-TCDF	91195600	0.82	y	17:11	1.47	100.00	n
2,3,7,8-TCDF	401937	0.77	y	17:12	0.88	0.50	n
Total TCDF	-	-	n	-	0.88	0.50	n
13C-2,3,7,8-TCDD	63680400	0.75	y	17:53	1.02	100.00	n
2,3,7,8-TCDD	321256	0.69	y	17:54	1.01	0.50	y
Total TCDD	-	-	n	-	1.01	0.50	n
37Cl-2,3,7,8-TCDD	329274	1.00	y	17:53	1.06	0.50	n
13C-1,2,3,7,8-PeCDF	72851700	1.48	y	22:08	1.17	100.00	n
1,2,3,7,8-PeCDF	1533598	1.42	y	22:09	0.84	2.50	n
2,3,4,7,8-PeCDF	1553020	1.47	y	23:27	0.85	2.50	n
Total F2 PeCDF	-	-	n	-	0.85	5.00	n
Total F1 PeCDF	-	-	n	-	0.85	5.00	n
13C-1,2,3,7,8-PeCDD	47038800	1.54	y	24:09	0.76	100.00	n
1,2,3,7,8-PeCDD	1275519	1.60	y	24:11	1.08	2.50	n
Total PeCDD	-	-	n	-	1.08	2.50	n
13C-1,2,3,7,8,9-HxCDD	62420000	1.33	y	32:00	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	61275700	0.51	y	30:17	0.98	100.00	n
1,2,3,4,7,8-HxCDF	1656843	1.17	y	30:18	1.08	2.50	n
1,2,3,6,7,8-HxCDF	1751961	1.18	y	30:31	1.14	2.50	n
2,3,4,6,7,8-HxCDF	1566865	1.13	y	31:22	1.02	2.50	n
1,2,3,7,8,9-HxCDF	1527815	1.15	y	32:12	1.00	2.50	n
Total HxCDF	-	-	n	-	1.06	10.00	n
13C-1,2,3,6,7,8-HxCDD	51650900	1.37	y	31:40	0.83	100.00	n
1,2,3,4,7,8-HxCDD	1256425	1.25	y	31:34	0.97	2.50	n
1,2,3,6,7,8-HxCDD	1269848	1.17	y	31:40	0.98	2.50	n
1,2,3,7,8,9-HxCDD	1331603	1.24	y	32:00	1.03	2.50	n
Total HxCDD	-	-	n	-	1.00	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	59768000	0.45	y	33:39	0.96	100.00	n
1,2,3,4,6,7,8-HpCDF	1738673	1.01	y	33:39	1.16	2.50	n
1,2,3,4,7,8,9-HpCDF	1620367	1.04	y	34:42	1.08	2.50	n
Total HpCDF	-	-	n	-	1.12	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	62952600	1.12	y	34:25	1.01	100.00	n
1,2,3,4,6,7,8-HpCDD	1408396	1.01	y	34:25	0.89	2.50	n
Total HpCDD	-	-	n	-	0.89	2.50	n
13C-OCDD	118596400	0.92	y	36:44	0.95	200.00	n
OCDF	3048300	0.92	y	36:49	1.03	5.00	n

OCDD	2882450	0.91 y	36:44	0.97	5.00	n

Run #2 Filename 09DE049D5 S: 2 I: 1
Acquired: 9-DEC-04 14:24:58 Processed: 9-DEC-04 16:59:08
Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5
Comments:
Sample text: ST1209A :CS3 2416-23B

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	66951000	0.77	y	17:41	-	100.00	n
13C-2,3,7,8-TCDF	105135500	0.80	y	17:10	1.57	100.00	n
2,3,7,8-TCDF	1684673	0.88	y	17:11	0.80	2.00	n
Total TCDF	-	-	n	-	0.80	2.00	n
13C-2,3,7,8-TCDD	70716000	0.76	y	17:52	1.06	100.00	n
2,3,7,8-TCDD	1386295	0.79	y	17:53	0.98	2.00	n
Total TCDD	-	-	n	-	0.98	2.00	n
37Cl-2,3,7,8-TCDD	1259524	1.00	y	17:53	0.94	2.00	n
13C-1,2,3,7,8-PeCDF	84841900	1.50	y	22:08	1.27	100.00	n
1,2,3,7,8-PeCDF	6729360	1.50	y	22:08	0.79	10.00	n
2,3,4,7,8-PeCDF	6911400	1.49	y	23:27	0.81	10.00	n
Total F2 PeCDF	-	-	n	-	0.80	20.00	n
Total F1 PeCDF	-	-	n	-	0.80	20.00	n
13C-1,2,3,7,8-PeCDD	53056000	1.55	y	24:08	0.79	100.00	n
1,2,3,7,8-PeCDD	5335810	1.53	y	24:10	1.01	10.00	n
Total PeCDD	-	-	n	-	1.01	10.00	n
13C-1,2,3,7,8,9-HxCDD	68098000	1.31	y	31:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	71072600	0.53	y	30:16	1.04	100.00	n
1,2,3,4,7,8-HxCDF	7158090	1.19	y	30:18	1.01	10.00	n
1,2,3,6,7,8-HxCDF	7551730	1.18	y	30:30	1.06	10.00	n
2,3,4,6,7,8-HxCDF	6763560	1.17	y	31:21	0.95	10.00	n
1,2,3,7,8,9-HxCDF	6553970	1.27	y	32:11	0.92	10.00	n
Total HxCDF	-	-	n	-	0.99	40.00	n
13C-1,2,3,6,7,8-HxCDD	58045100	1.32	y	31:39	0.85	100.00	n
1,2,3,4,7,8-HxCDD	5145170	1.21	y	31:33	0.89	10.00	n
1,2,3,6,7,8-HxCDD	5709700	1.20	y	31:40	0.98	10.00	n
1,2,3,7,8,9-HxCDD	5817920	1.20	y	32:00	1.00	10.00	n
Total HxCDD	-	-	n	-	0.96	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	65702800	0.46	y	33:38	0.96	100.00	n
1,2,3,4,6,7,8-HpCDF	7456920	1.03	y	33:39	1.13	10.00	n
1,2,3,4,7,8,9-HpCDF	6665950	0.99	y	34:41	1.01	10.00	n
Total HpCDF	-	-	n	-	1.07	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	67405700	1.06	y	34:24	0.99	100.00	n
1,2,3,4,6,7,8-HpCDD	5751110	1.05	y	34:24	0.85	10.00	n
Total HpCDD	-	-	n	-	0.85	10.00	n
13C-OCDD	126853300	0.91	y	36:43	0.93	200.00	n
OCDF	12853230	0.87	y	36:49	1.01	20.00	n
OCDD	11503390	0.90	y	36:43	0.91	20.00	n

Run #3 Filename 09DE049D5 S: 3 I: 1
Acquired: 9-DEC-04 15:06:48 Processed: 9-DEC-04 16:59:10
Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5
Comments:
Sample text: ST1209B :CS3 2416-23C

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	66486000	0.77	y	17:40	-	100.00	n
13C-2,3,7,8-TCDF	111205700	0.80	y	17:10	1.67	100.00	n
2,3,7,8-TCDF	8670830	0.76	y	17:10	0.78	10.00	n
Total TCDF	-	-	n	-	0.78	10.00	n
13C-2,3,7,8-TCDD	75390400	0.76	y	17:52	1.13	100.00	n
2,3,7,8-TCDD	7538970	0.80	y	17:53	1.00	10.00	n
Total TCDD	-	-	n	-	1.00	10.00	n
37Cl-2,3,7,8-TCDD	7212020	1.00	y	17:53	1.08	10.00	n
13C-1,2,3,7,8-PeCDF	86745500	1.50	y	22:07	1.30	100.00	n
1,2,3,7,8-PeCDF	36435800	1.47	y	22:09	0.84	50.00	n
2,3,4,7,8-PeCDF	38142200	1.45	y	23:27	0.88	50.00	n
Total F2 PeCDF	-	-	n	-	0.86	100.00	n
Total F1 PeCDF	-	-	n	-	0.86	100.00	n
13C-1,2,3,7,8-PeCDD	55135500	1.52	y	24:09	0.83	100.00	n
1,2,3,7,8-PeCDD	28476400	1.53	y	24:11	1.03	50.00	n
Total PeCDD	-	-	n	-	1.03	50.00	n
13C-1,2,3,7,8,9-HxCDD	67358400	1.28	y	31:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	75360800	0.52	y	30:17	1.12	100.00	n
1,2,3,4,7,8-HxCDF	38195700	1.20	y	30:18	1.01	50.00	n
1,2,3,6,7,8-HxCDF	39955100	1.22	y	30:30	1.06	50.00	n
2,3,4,6,7,8-HxCDF	36960800	1.17	y	31:22	0.98	50.00	n
1,2,3,7,8,9-HxCDF	34358400	1.19	y	32:12	0.91	50.00	n
Total HxCDF	-	-	n	-	0.99	200.00	n
13C-1,2,3,6,7,8-HxCDD	58869500	1.29	y	31:39	0.87	100.00	n
1,2,3,4,7,8-HxCDD	28380600	1.20	y	31:34	0.96	50.00	n
1,2,3,6,7,8-HxCDD	28954400	1.21	y	31:40	0.98	50.00	n
1,2,3,7,8,9-HxCDD	30180500	1.17	y	32:00	1.03	50.00	n
Total HxCDD	-	-	n	-	0.99	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	67250300	0.45	y	33:38	1.00	100.00	n
1,2,3,4,6,7,8-HpCDF	37992700	1.02	y	33:38	1.13	50.00	n
1,2,3,4,7,8,9-HpCDF	34519600	1.01	y	34:42	1.03	50.00	n
Total HpCDF	-	-	n	-	1.08	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	68115900	1.08	y	34:23	1.01	100.00	n
1,2,3,4,6,7,8-HpCDD	28572000	1.07	y	34:24	0.84	50.00	n
Total HpCDD	-	-	n	-	0.84	50.00	n
13C-OCDD	125553400	0.91	y	36:42	0.93	200.00	n
OCDF	63433600	0.89	y	36:48	1.01	100.00	n
OCDD	54441400	0.88	y	36:43	0.87	100.00	n

Run #4 Filename 09DE049D5 S: 4 I: 1
Acquired: 9-DEC-04 15:48:32 Processed: 9-DEC-04 16:59:12
Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5
Comments:
Sample text: ST1209C :CS3 2416-23D

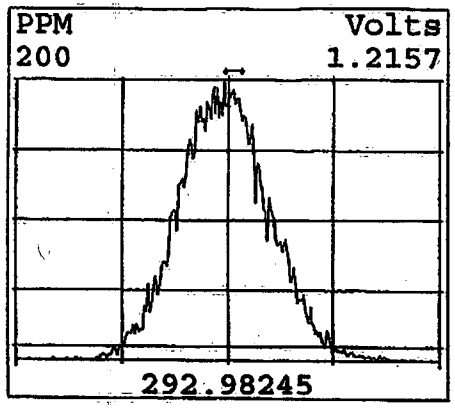
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	72704300	0.77	y	17:41	-	100.00	n
13C-2,3,7,8-TCDF	110325600	0.81	y	17:10	1.52	100.00	n
2,3,7,8-TCDF	35081600	0.79	y	17:11	0.79	40.00	n
Total TCDF	-	-	n	-	0.79	40.00	n
13C-2,3,7,8-TCDD	78448200	0.74	y	17:51	1.08	100.00	n
2,3,7,8-TCDD	30213600	0.80	y	17:53	0.96	40.00	n
Total TCDD	-	-	n	-	0.96	40.00	n
37Cl-2,3,7,8-TCDD	28364200	1.00	y	17:53	0.98	40.00	n
13C-1,2,3,7,8-PeCDF	92237700	1.48	y	22:08	1.27	100.00	n
1,2,3,7,8-PeCDF	154106500	1.47	y	22:08	0.84	200.00	n
2,3,4,7,8-PeCDF	158391700	1.45	y	23:27	0.86	200.00	n
Total F2 PeCDF	-	-	n	-	0.85	400.00	n
Total F1 PeCDF	-	-	n	-	0.85	400.00	n
13C-1,2,3,7,8-PeCDD	57118100	1.54	y	24:08	0.79	100.00	n
1,2,3,7,8-PeCDD	120668700	1.51	y	24:10	1.06	200.00	n
Total PeCDD	-	-	n	-	1.06	200.00	n
13C-1,2,3,7,8,9-HxCDD	73731300	1.33	y	31:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	74184700	0.51	y	30:16	1.01	100.00	n
1,2,3,4,7,8-HxCDF	160757200	1.18	y	30:18	1.08	200.00	n
1,2,3,6,7,8-HxCDF	167641600	1.18	y	30:30	1.13	200.00	n
2,3,4,6,7,8-HxCDF	153966900	1.17	y	31:21	1.04	200.00	n
1,2,3,7,8,9-HxCDF	147439100	1.17	y	32:11	0.99	200.00	n
Total HxCDF	-	-	n	-	1.06	800.00	n
13C-1,2,3,6,7,8-HxCDD	63230200	1.33	y	31:39	0.86	100.00	n
1,2,3,4,7,8-HxCDD	118748500	1.19	y	31:33	0.94	200.00	n
1,2,3,6,7,8-HxCDD	127411900	1.17	y	31:39	1.01	200.00	n
1,2,3,7,8,9-HxCDD	129284200	1.18	y	32:00	1.02	200.00	n
Total HxCDD	-	-	n	-	0.99	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	70442700	0.45	y	33:38	0.96	100.00	n
1,2,3,4,6,7,8-HpCDF	161988000	1.02	y	33:38	1.15	200.00	n
1,2,3,4,7,8,9-HpCDF	146440000	1.03	y	34:41	1.04	200.00	n
Total HpCDF	-	-	n	-	1.09	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	69316600	1.05	y	34:24	0.94	100.00	n
1,2,3,4,6,7,8-HpCDD	120576200	1.05	y	34:24	0.87	200.00	n
Total HpCDD	-	-	n	-	0.87	200.00	n
13C-OCDD	132113400	0.92	y	36:43	0.90	200.00	n
OCDF	284090000	0.87	y	36:48	1.08	400.00	n
OCDD	249110000	0.88	y	36:43	0.94	400.00	n

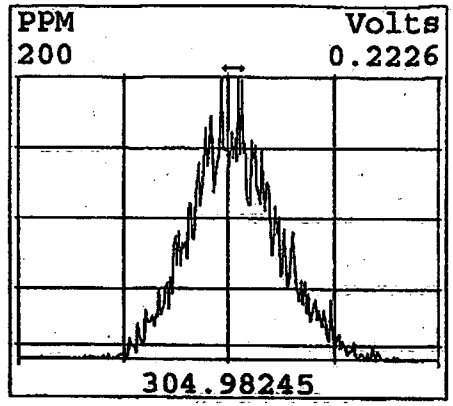
Run #5 Filename 09DE049D5 S: 5 I: 1
Acquired: 9-DEC-04 16:30:16 Processed: 9-DEC-04 17:11:00
Run: 09DE049D5 Analyte: 8290 Cal: 82901209049D5
Comments:
Sample text: ST1209D :CS3 2416-23E

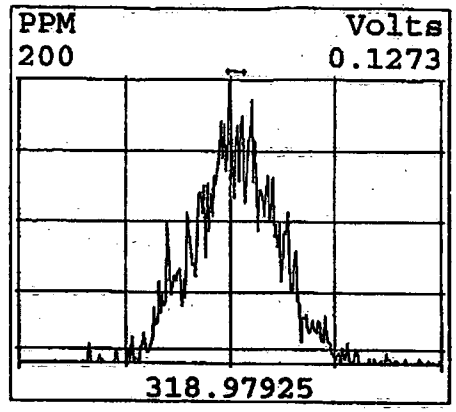
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	74545100	0.76	y	17:41	-	100.00	n
13C-2,3,7,8-TCDF	120654500	0.79	y	17:10	1.62	100.00	n
2,3,7,8-TCDF	166225500	0.78	y	17:11	0.69	200.00	n
Total TCDF	-	-	n	-	0.69	200.00	n
13C-2,3,7,8-TCDD	79751200	0.76	y	17:51	1.07	100.00	n
2,3,7,8-TCDD	147443700	0.82	y	17:52	0.92	200.00	n
Total TCDD	-	-	n	-	0.92	200.00	n
37Cl-2,3,7,8-TCDD	151444800	1.00	y	17:52	1.02	200.00	n
13C-1,2,3,7,8-PeCDF	97300000	1.48	y	22:07	1.31	100.00	n
1,2,3,7,8-PeCDF	754586000	1.49	y	22:08	0.78	1000.00	n
2,3,4,7,8-PeCDF	784317000	1.49	y	23:26	0.81	1000.00	n
Total F2 PeCDF	-	-	n	-	0.79	2000.00	n
Total F1 PeCDF	-	-	n	-	0.79	2000.00	n
13C-1,2,3,7,8-PeCDD	62719900	1.56	y	24:07	0.84	100.00	n
1,2,3,7,8-PeCDD	612590000	1.51	y	24:09	0.98	1000.00	n
Total PeCDD	-	-	n	-	0.98	1000.00	n
13C-1,2,3,7,8,9-HxCDD	80485100	1.31	y	31:58	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	82569000	0.52	y	30:16	1.03	100.00	n
1,2,3,4,7,8-HxCDF	844019000	1.19	y	30:17	1.02	1000.00	n
1,2,3,6,7,8-HxCDF	856917000	1.18	y	30:29	1.04	1000.00	n
2,3,4,6,7,8-HxCDF	834320000	1.18	y	31:20	1.01	1000.00	n
1,2,3,7,8,9-HxCDF	763029000	1.19	y	32:10	0.92	1000.00	n
Total HxCDF	-	-	n	-	1.00	4000.00	n
13C-1,2,3,6,7,8-HxCDD	69687200	1.30	y	31:38	0.87	100.00	n
1,2,3,4,7,8-HxCDD	627636000	1.25	y	31:32	0.90	1000.00	n
1,2,3,6,7,8-HxCDD	650154000	1.12	y	31:39	0.93	1000.00	n
1,2,3,7,8,9-HxCDD	659730000	1.18	y	31:59	0.95	1000.00	n
Total HxCDD	-	-	n	-	0.93	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	76609100	0.46	y	33:37	0.95	100.00	n
1,2,3,4,6,7,8-HpCDF	833304000	1.03	y	33:38	1.09	1000.00	n
1,2,3,4,7,8,9-HpCDF	752134000	1.02	y	34:41	0.98	1000.00	n
Total HpCDF	-	-	n	-	1.03	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	75023600	1.07	y	34:23	0.93	100.00	n
1,2,3,4,6,7,8-HpCDD	623330000	1.05	y	34:24	0.83	1000.00	n
Total HpCDD	-	-	n	-	0.83	1000.00	n
13C-OCDD	147152800	0.92	y	36:42	0.91	200.00	n
OCDF	1510338000	0.90	y	36:48	1.03	2000.00	n
OCDD	1287525000	0.88	y	36:43	0.87	2000.00	n

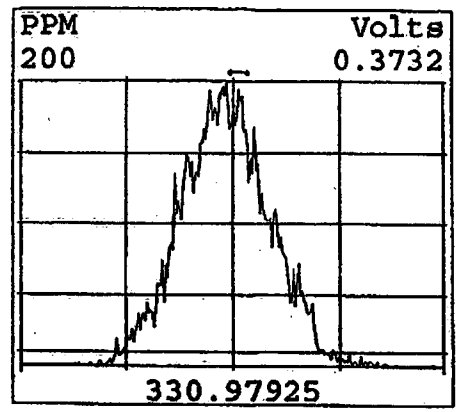
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
09DE049D5	1	ST1209	CS3 2416-23A				1.000	
09DE049D5	2	ST1209A	CS3 2416-23B				1.000	
09DE049D5	3	ST1209B	CS3 2416-23C				1.000	
09DE049D5	4	ST1209C	CS3 2416-23D				1.000	
09DE049D5	5	ST1209D	CS3 2416-23E				1.000	
09DE049D5	6	CP1209	DB-5 CPSM 2350-60				1.000	
09DE049D5	7	ST1209E	CS3 2416-23C				1.000	
09DE049D5	8	SB1209	Solvent Blank C-14				1.000	
09DE049D5	9	GX2K7-1-CE	G4L010199-14	20	8290/SOLID	61	10.000	g
09DE049D5	10	GX2K9-1-CE	G4L010199-15	20	8290/SOLID		10.000	g
09DE049D5	11	GXN26-1-AA	F4K230279-1 RI	20	8290/SOLID	58	10.000	g
09DE049D5	12	GXN26-1-AD	F4K230279-1S RI	20	8290/SOLID		10.000	g
09DE049D5	13	GXN26-1-AE	F4K230279-1D RI	20	8290/SOLID		10.000	g
09DE049D5	14	G0FA5-1-AC	G4L070000-268C	20	8290/SOLID	63	10.000	g
09DE049D5	15	G0FA5-1-AA	G4L070000-268B	20	8290/SOLID		10.000	g
09DE049D5	16	GX617-1-AA	G4L020405-1	20	8290/SOLID		10.000	g
09DE049D5	17	GX62D-1-AA	G4L020405-2	20	8290/SOLID		10.000	g
09DE049D5	18	GX62F-1-AA	G4L020405-3	20	8290/SOLID		10.000	g
09DE049D5	19	GX62F-1-AD	G4L020405-3S	20	8290/SOLID		10.000	g
09DE049D5	20	GX62F-1-AE	G4L020405-3D	20	8290/SOLID		10.000	g
09DE049D5	21	GX62G-1-AA	G4L020405-4	20	8290/SOLID		10.000	g
09DE049D5	22	GX62K-1-AA	G4L020405-5	20	8290/SOLID		10.000	g
DE049D5	23	GX62M-1-AA	G4L020405-6	20	8290/SOLID		10.000	g
DE049D5	24	SB1209A	Solvent Blank C-14				1.000	
09DE049D5	25	CP1209A	DB-5 CPSM 2350-60				1.000	
09DE049D5	26	ST1209F	CS3 2416-23C				1.000	
09DE049D5	27	SB1209B	Solvent Blank C-14				1.000	
09DE049D5	28	GX62N-1-AA	G4L020405-7	20	8290/SOLID	63	10.000	g
09DE049D5	29	GX62R-1-AA	G4L020405-8	20	8290/SOLID		10.000	g
09DE049D5	30	GX620-1-AA	G4L020405-9	20	8290/SOLID		10.000	g
09DE049D5	31	GX622-1-AA	G4L020405-10	20	8290/SOLID		10.000	g
09DE049D5	32	GX624-1-AA	G4L020405-11	20	8290/SOLID		10.000	g
09DE049D5	33	GX625-1-AA	G4L020405-12	20	8290/SOLID		10.000	g
09DE049D5	34	GX627-1-AA	G4L020405-13	20	8290/SOLID		10.000	g
09DE049D5	35	GX628-1-AA	G4L020405-14	20	8290/SOLID		10.000	g
09DE049D5	36	GX63C-1-AA	G4L020405-15	20	8290/SOLID		10.000	g
09DE049D5	37	GX63D-1-AA	G4L020405-16	20	8290/SOLID		10.000	g
09DE049D5	38	GX63G-1-AA	G4L020405-17	20	8290/SOLID		10.000	g
09DE049D5	39	SB1209C	Solvent Blank C-14				1.000	
09DE049D5	40	ST1209G	CS3 2416-23C				1.000	
09DE049D5	41						1.000	
09DE049D5	42						1.000	
09DE049D5	43						1.000	
09DE049D5	44						1.000	
09DE049D5	45						1.000	
09DE049D5	46						1.000	
09DE049D5	47		JRB 12-09-04				1.000	

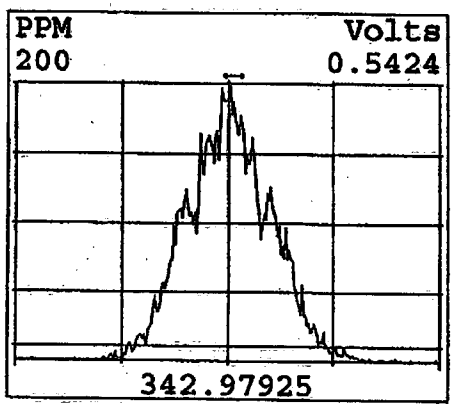
Peak Locate Examination: 9-DEC-2004:13:39 File:09DE049D5
Experiment:DIOXIN Function:1 Reference:PFK

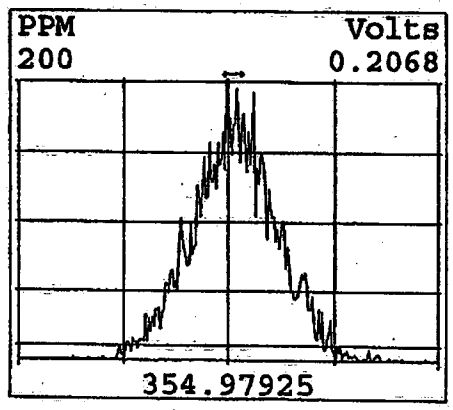


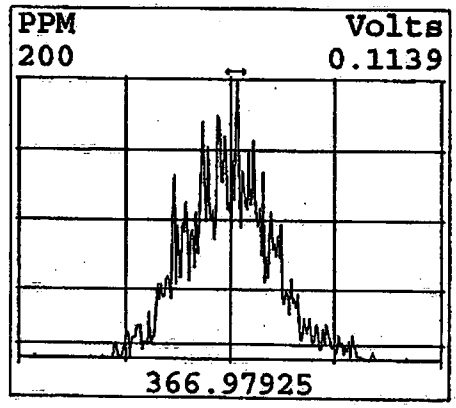


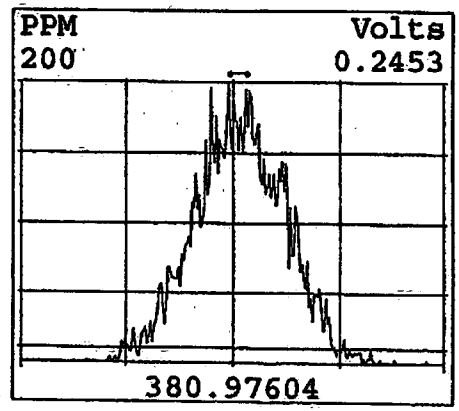


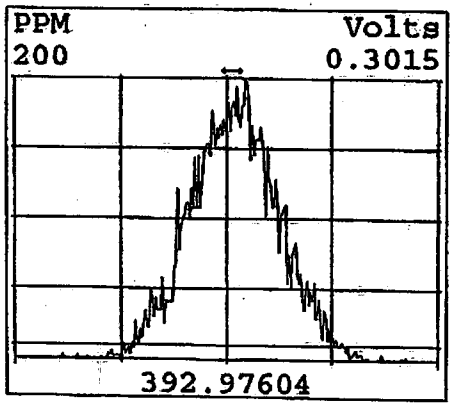


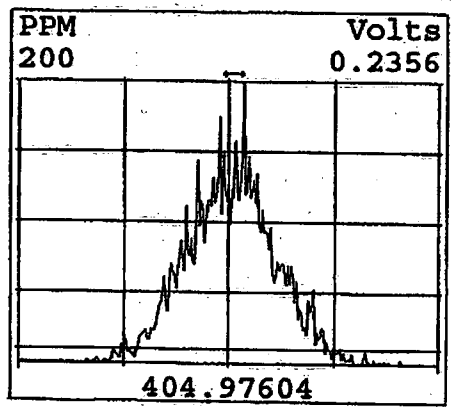


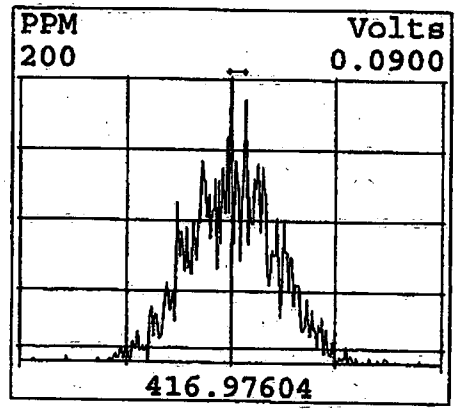








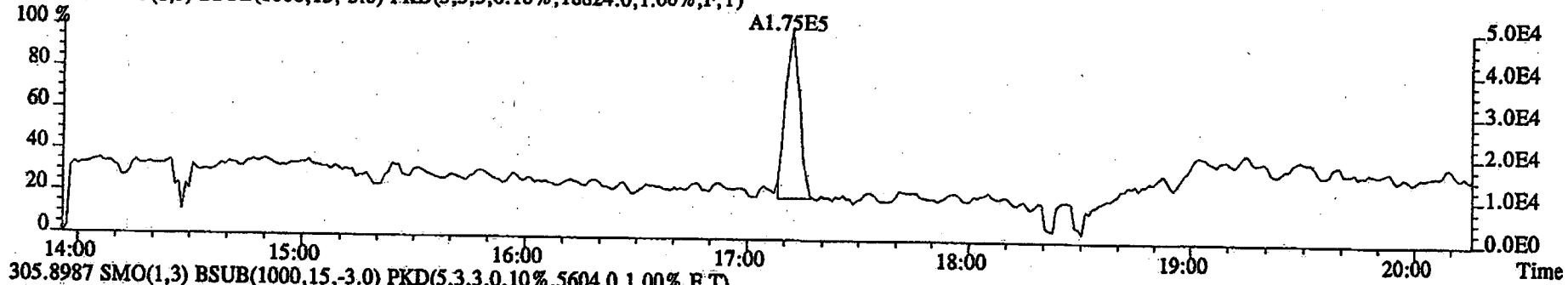




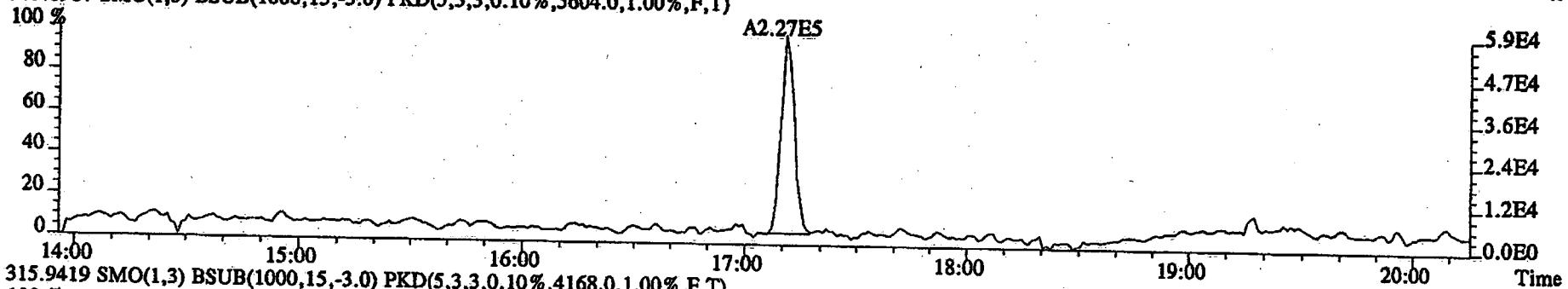
1165
STL Edison
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

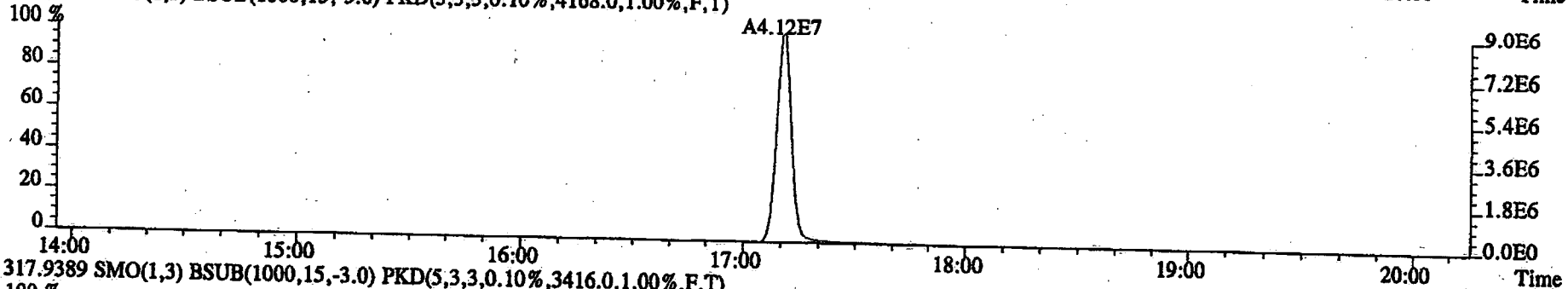
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18824.0,1.00%,F,T)



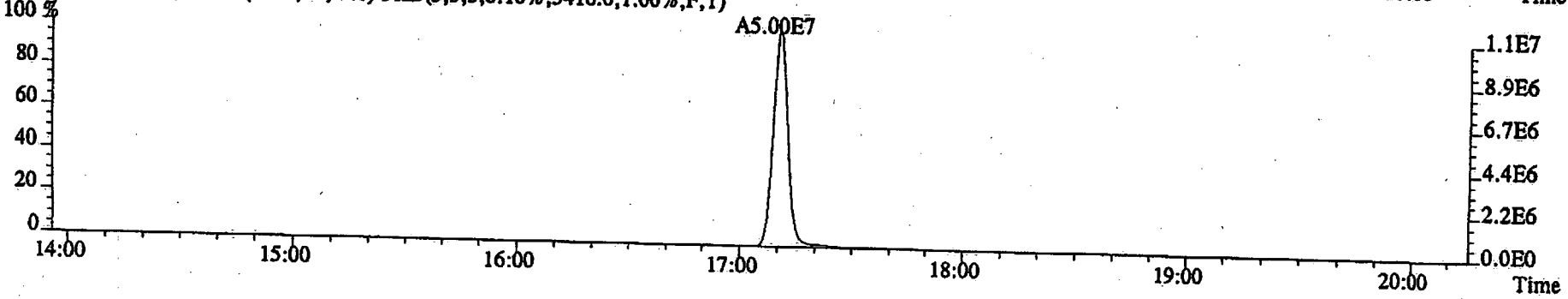
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5604.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4168.0,1.00%,F,T)



317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)



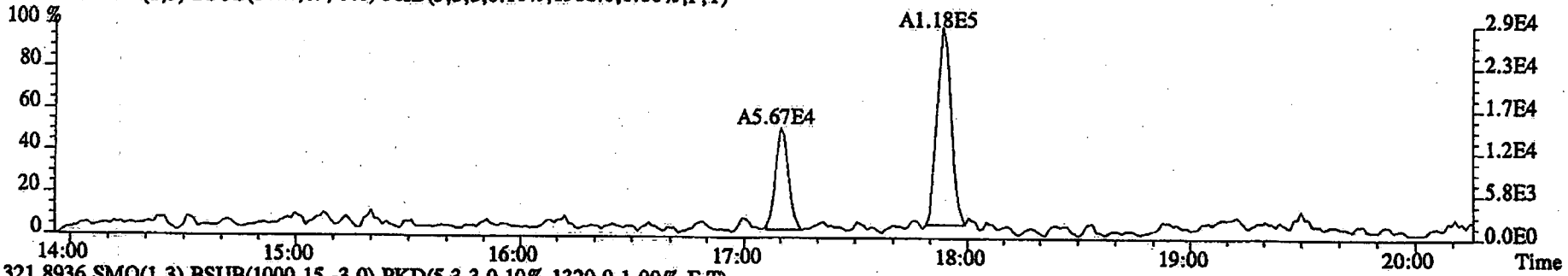
1166

STL Edison

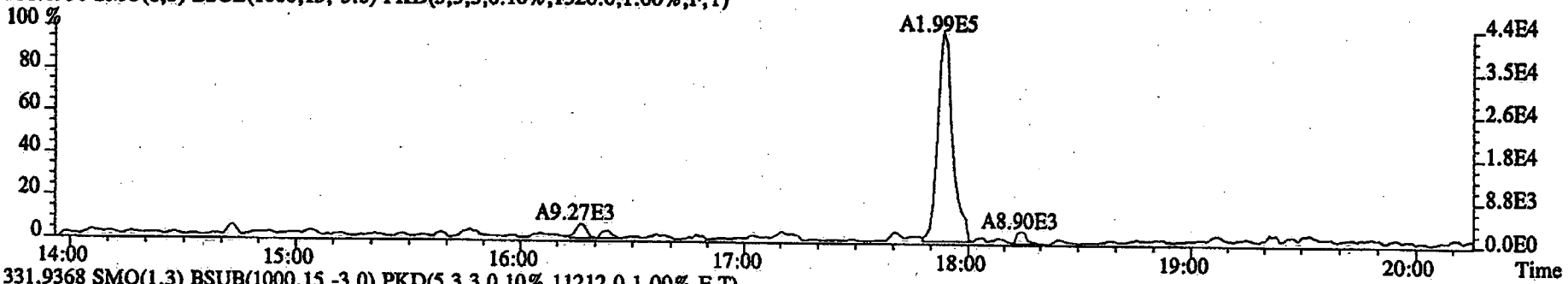
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

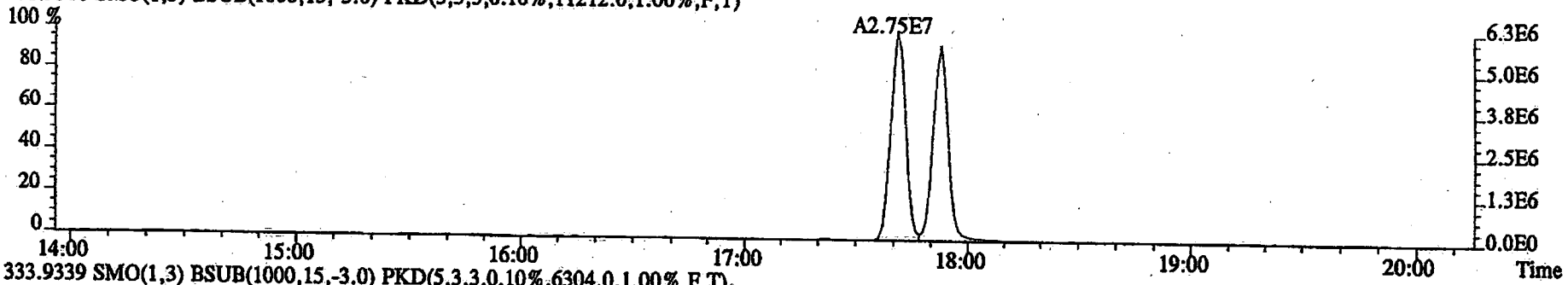
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



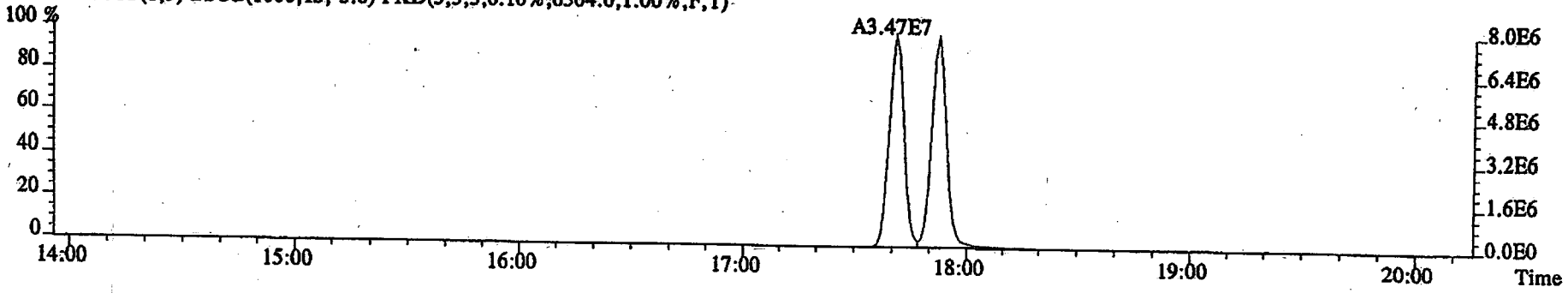
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11212.0,1.00%,F,T)



333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6304.0,1.00%,F,T)

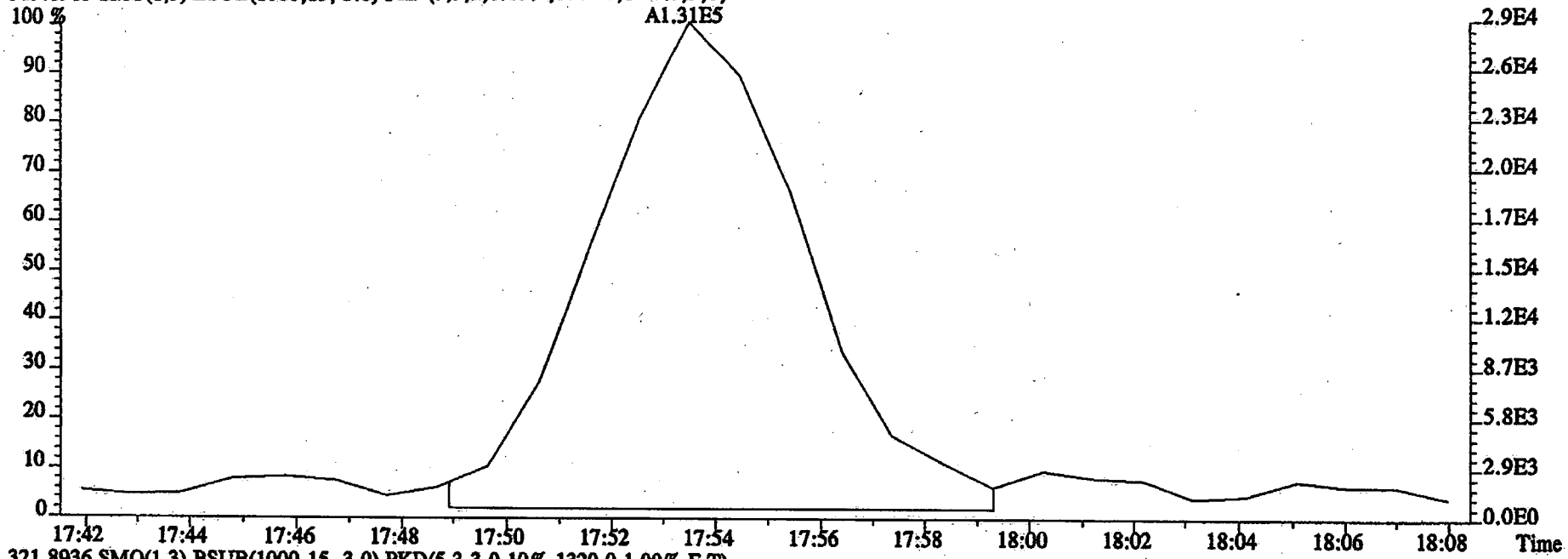


1167

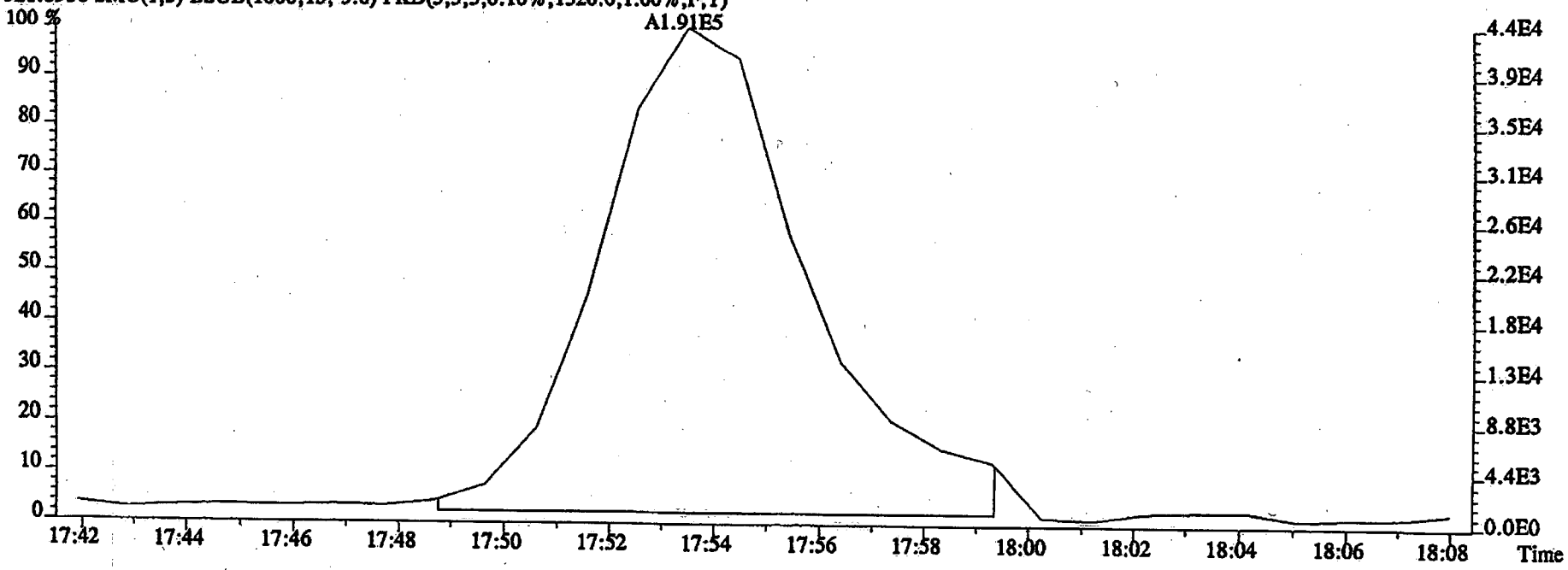
STL Edison

U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



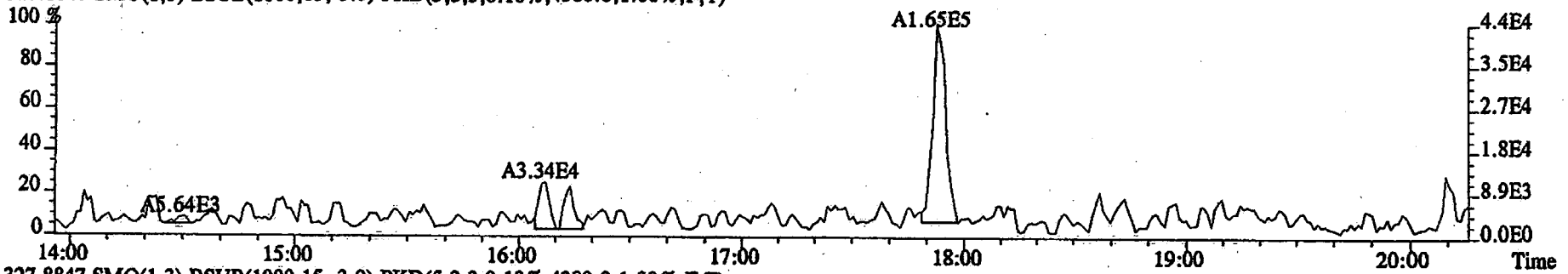
1168

STL Edison

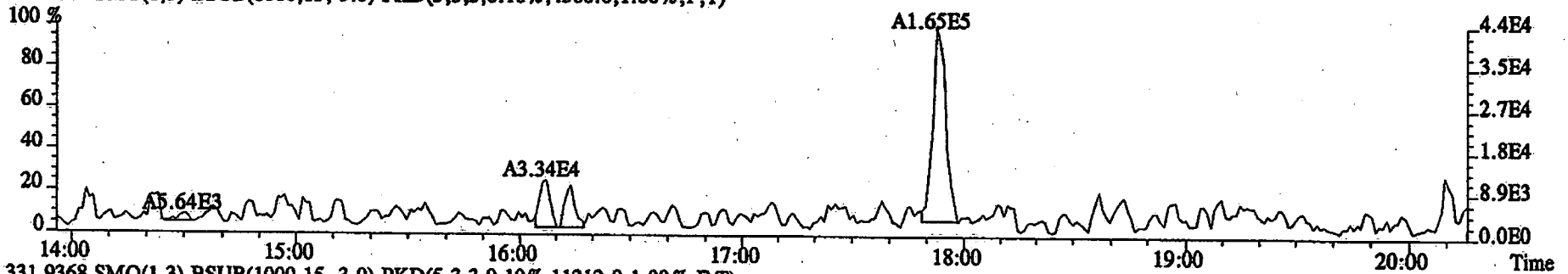
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

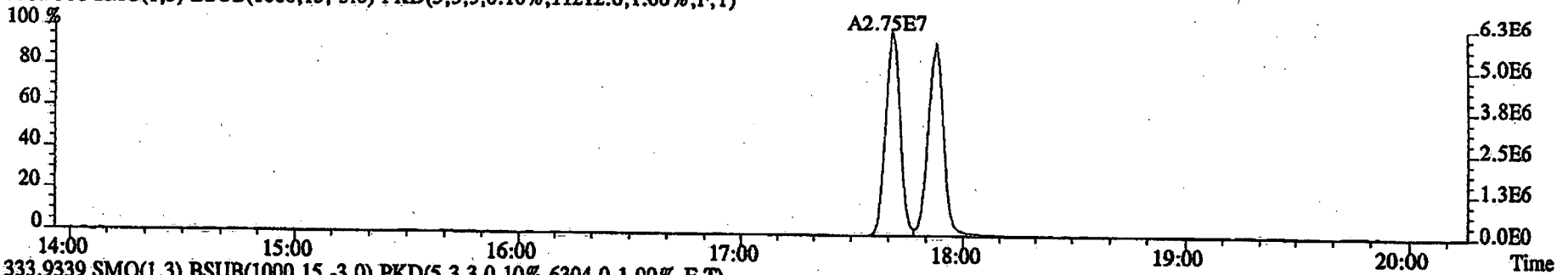
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



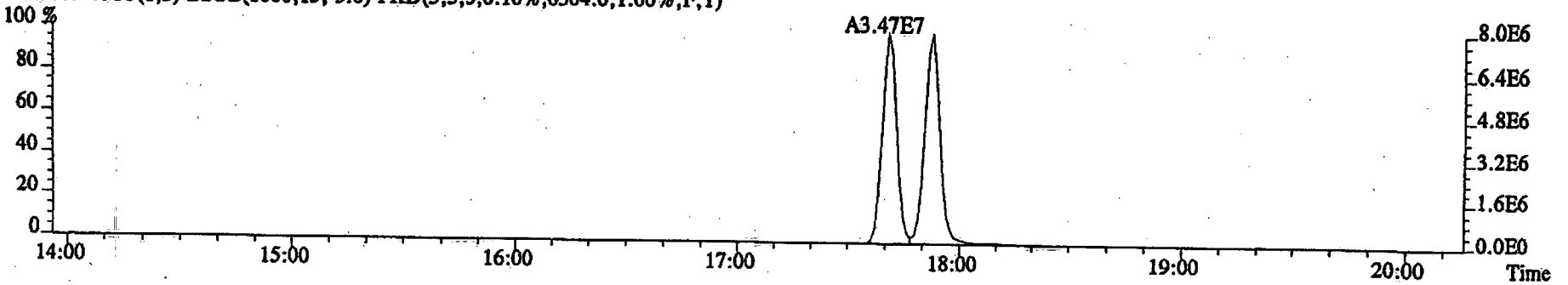
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11212.0,1.00%,F,T)



333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6304.0,1.00%,F,T)



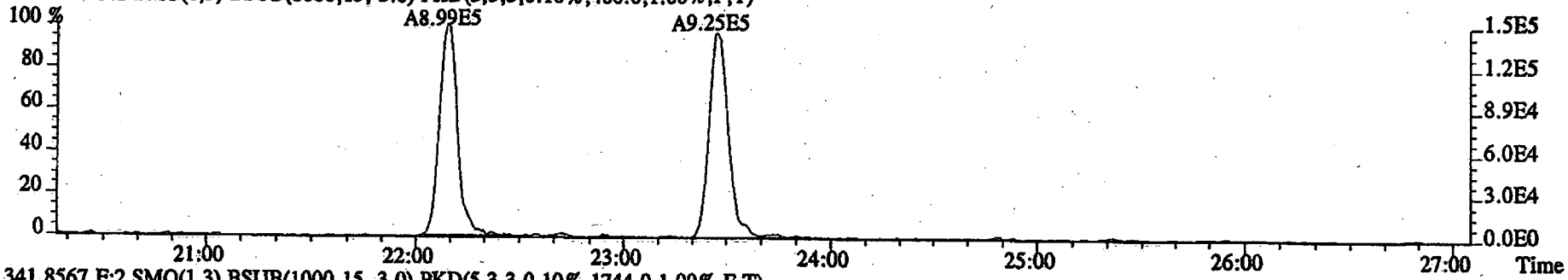
1169

STL Edison

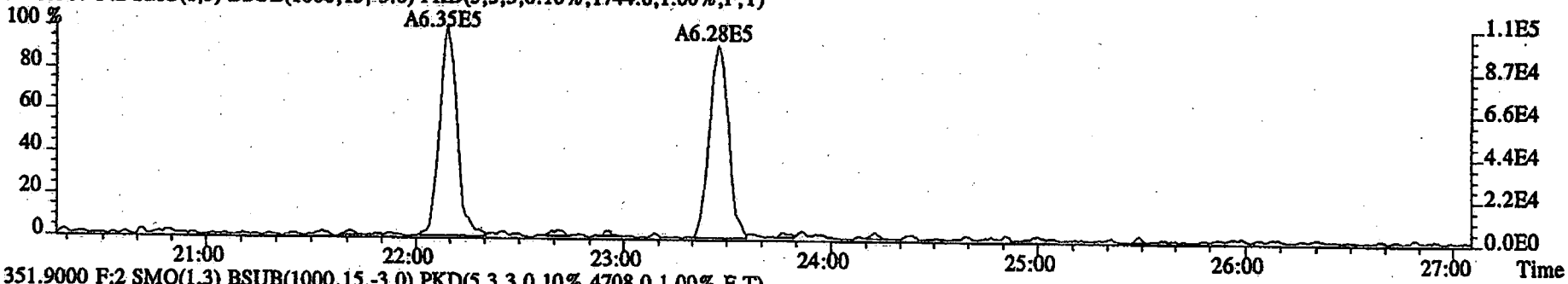
U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

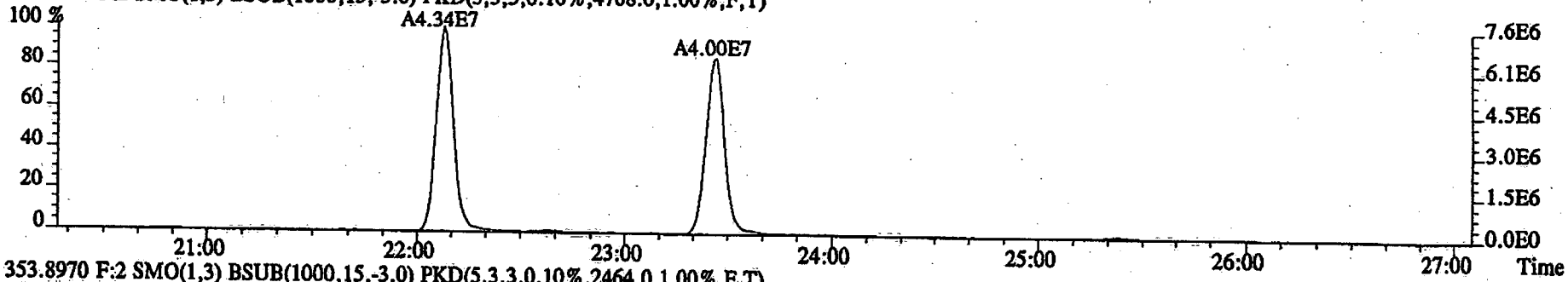
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)



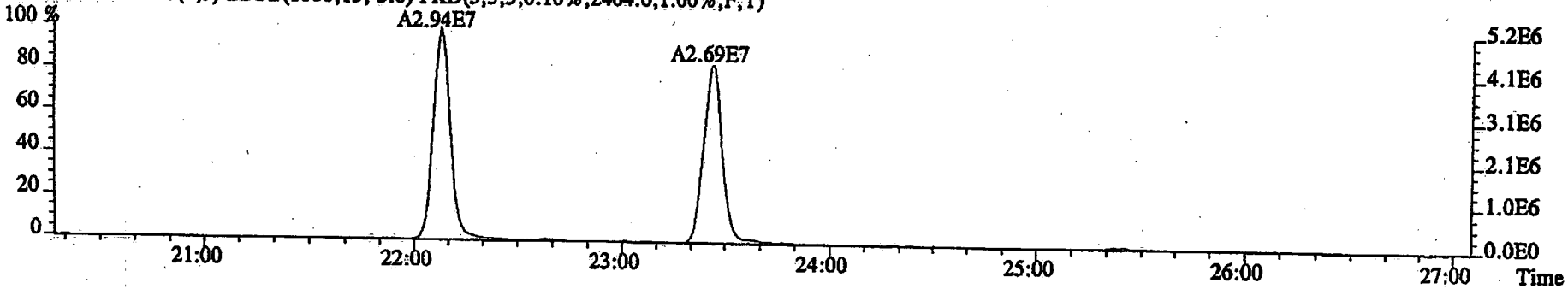
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1744.0,1.00%,F,T)



351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4708.0,1.00%,F,T)



353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2464.0,1.00%,F,T)



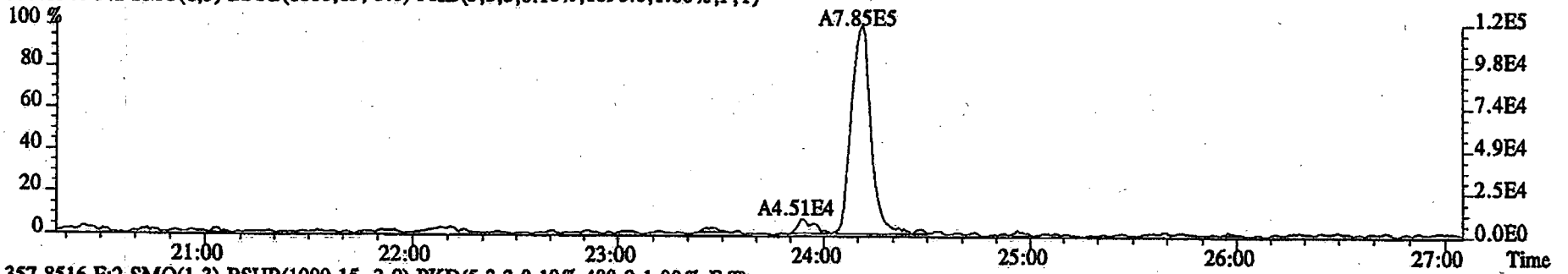
1170

STL Edison

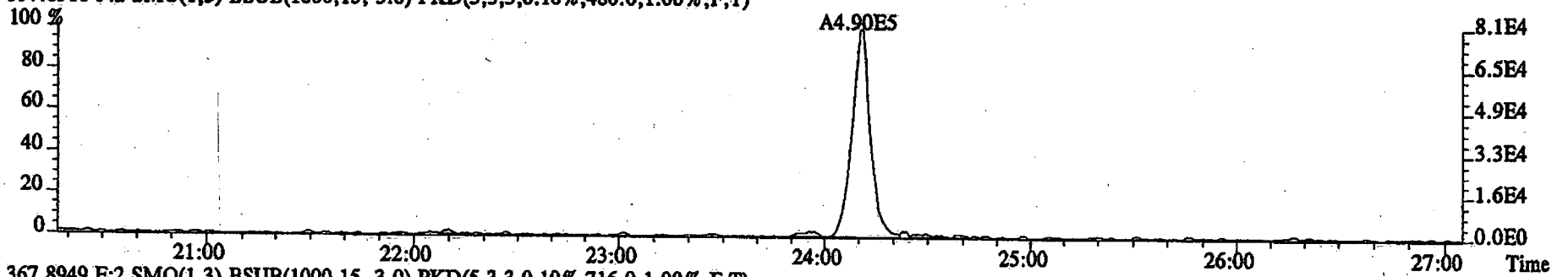
U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

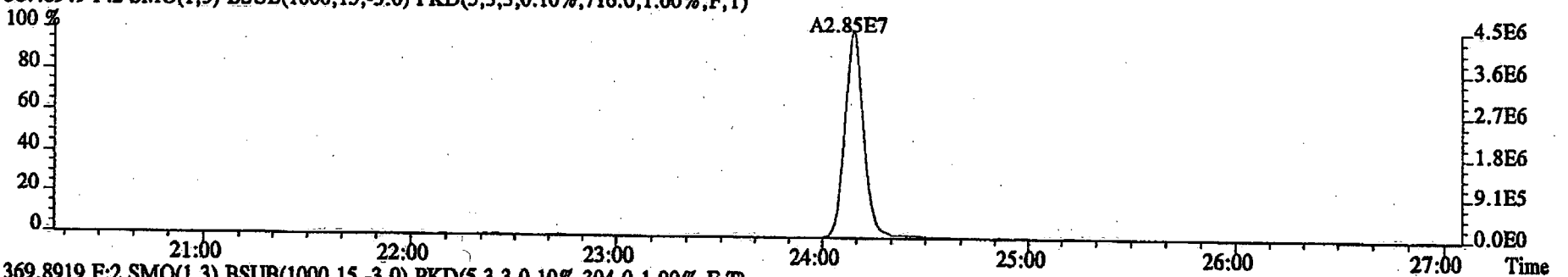
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



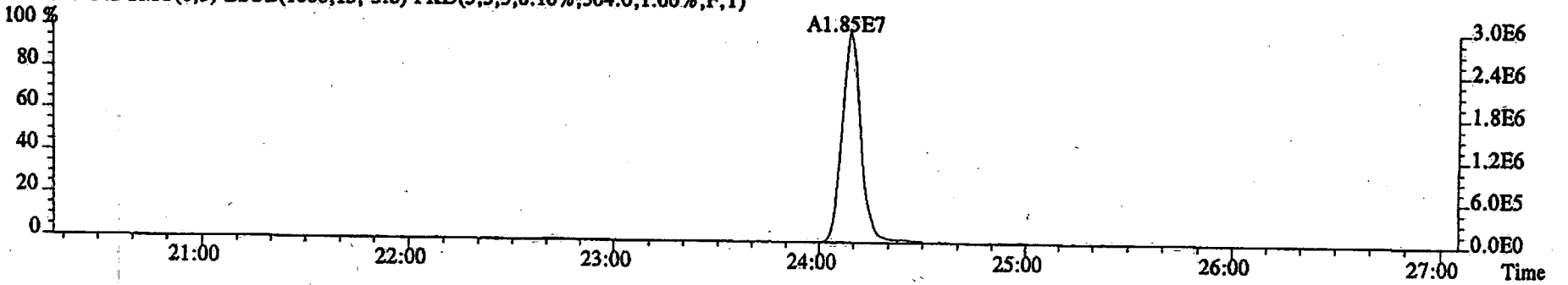
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,480.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,716.0,1.00%,F,T)



369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,304.0,1.00%,F,T)



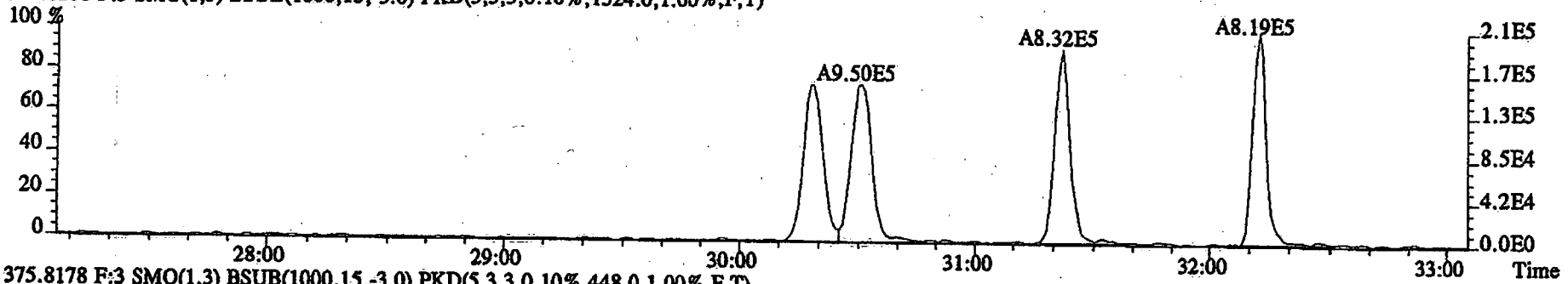
1171

STL Edison

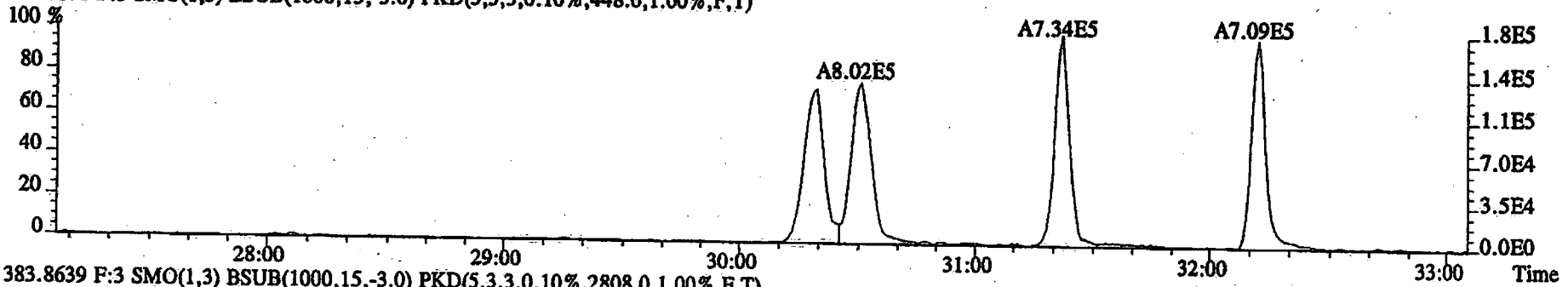
U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

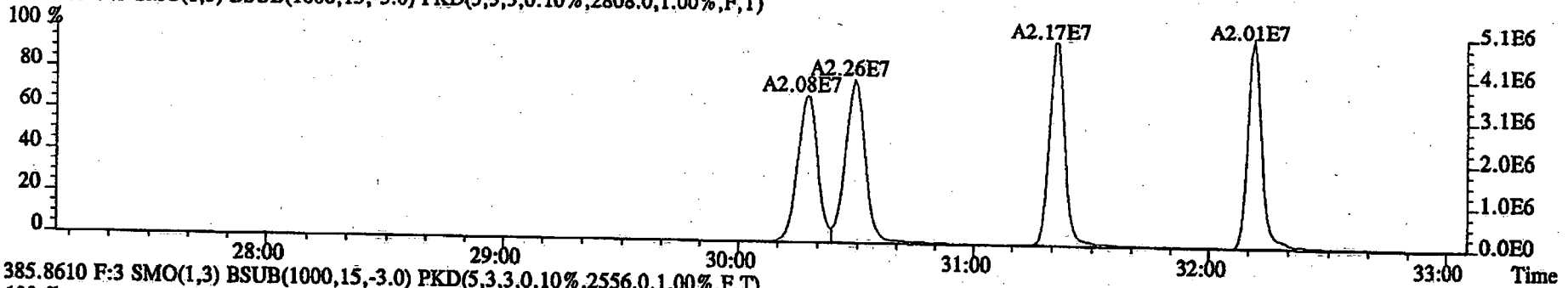
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)



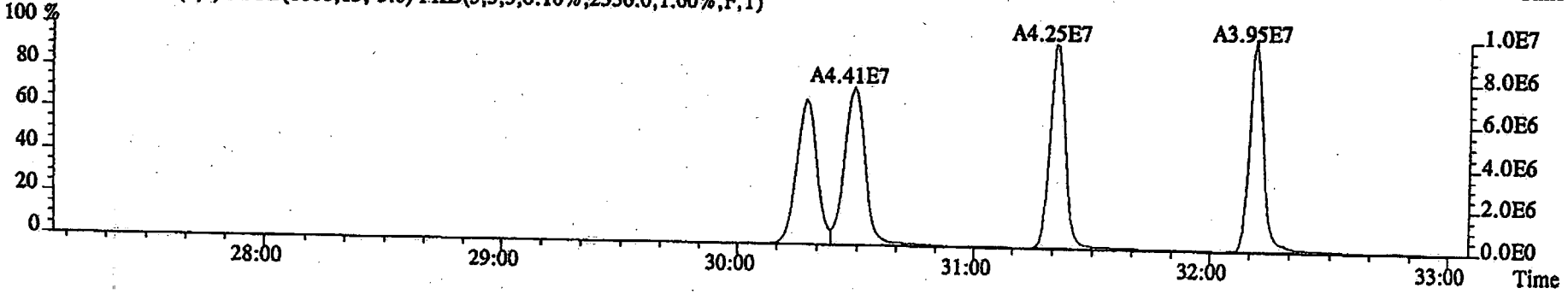
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)



383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2808.0,1.00%,F,T)



385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



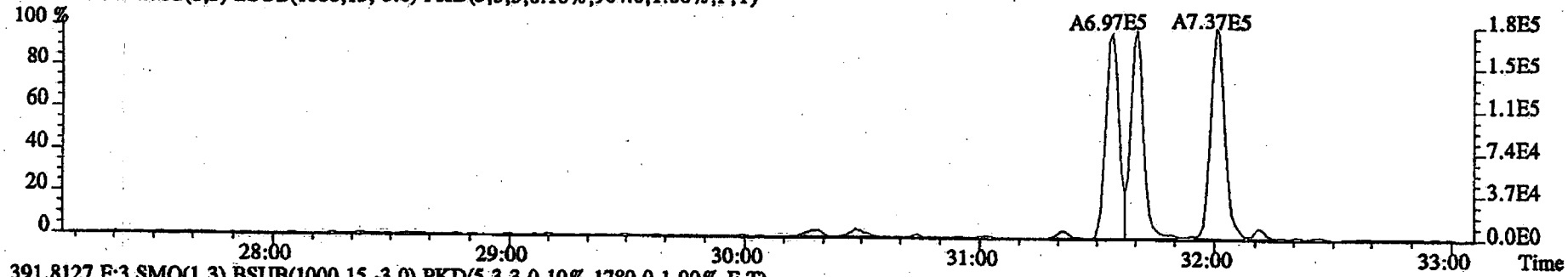
1172

STL Edison

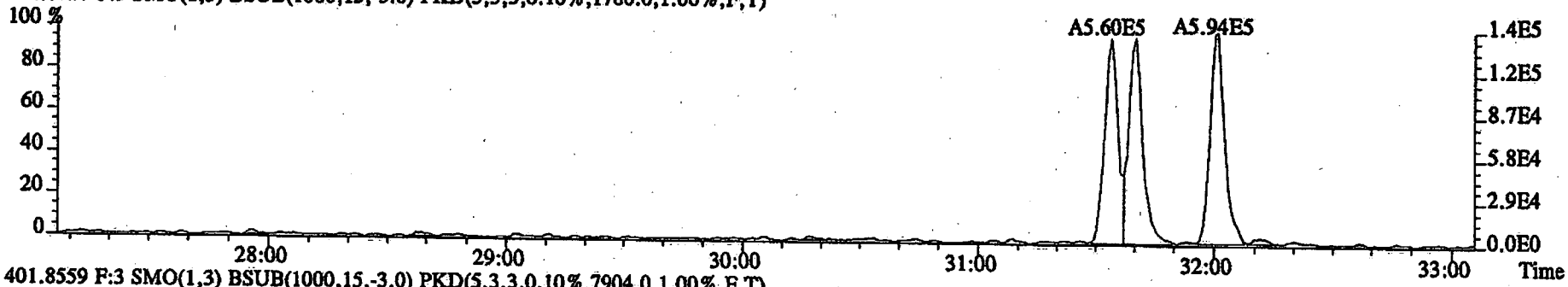
U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

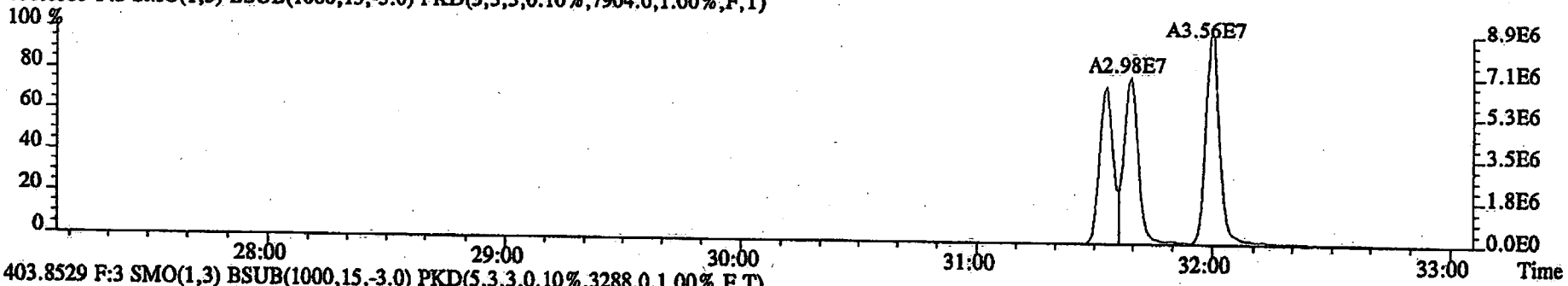
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



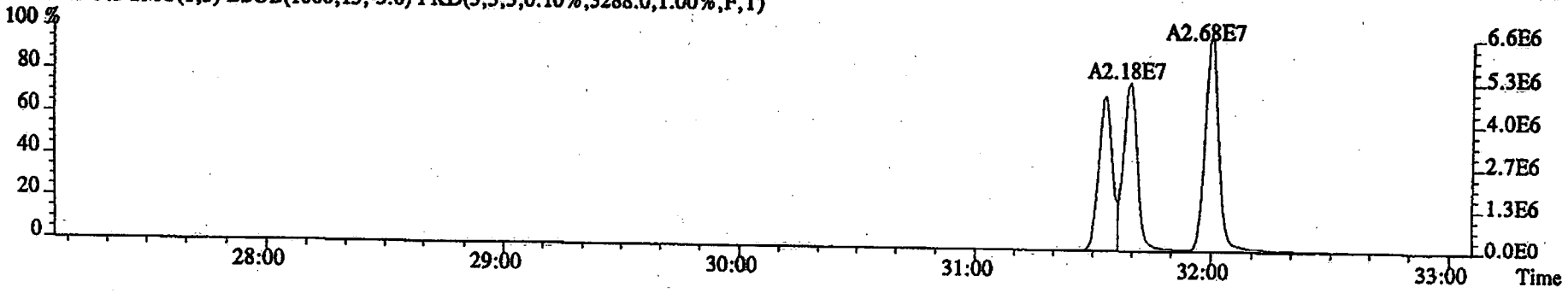
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7904.0,1.00%,F,T)



403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)

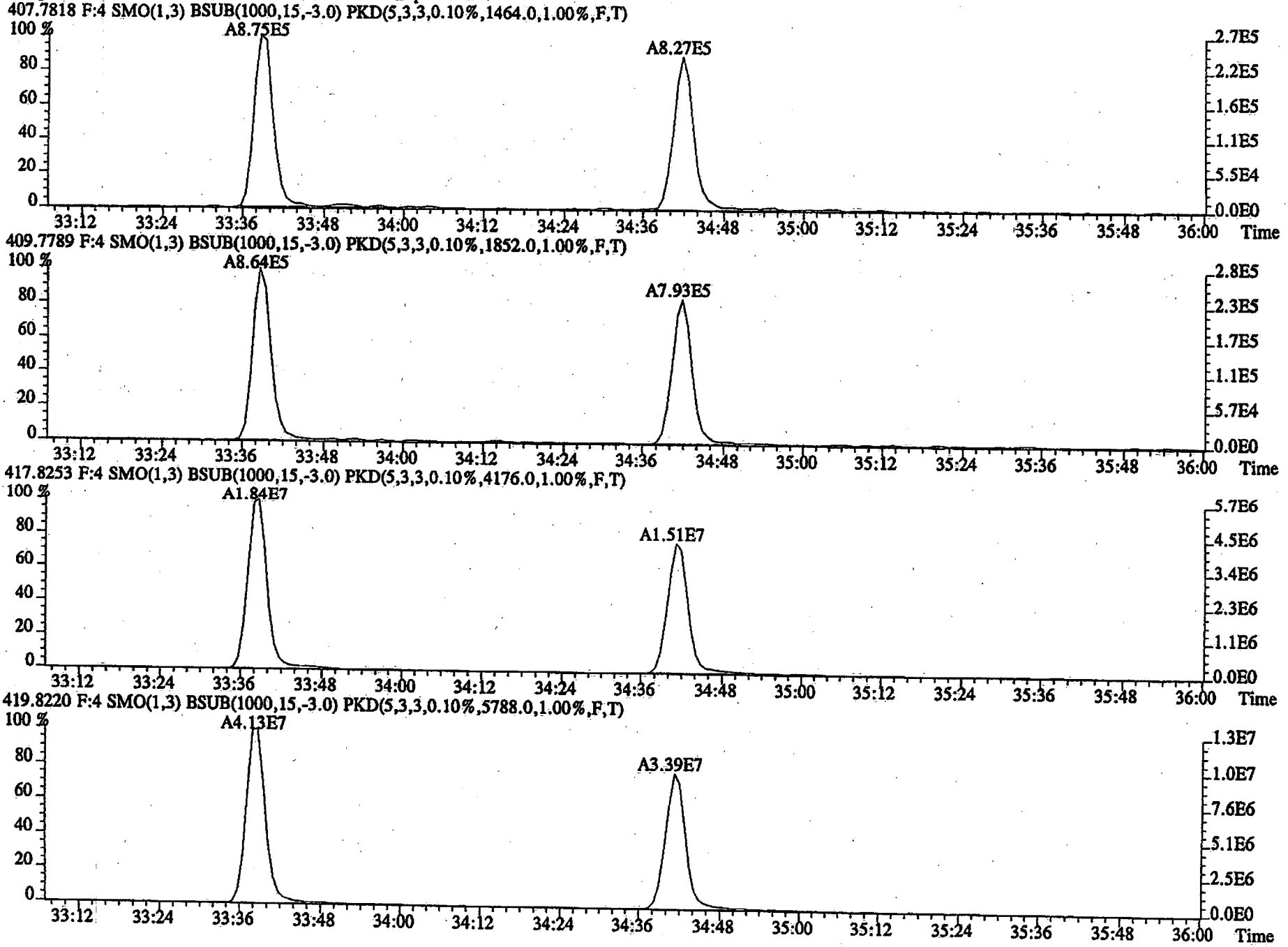


1173

STL Edison

U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN



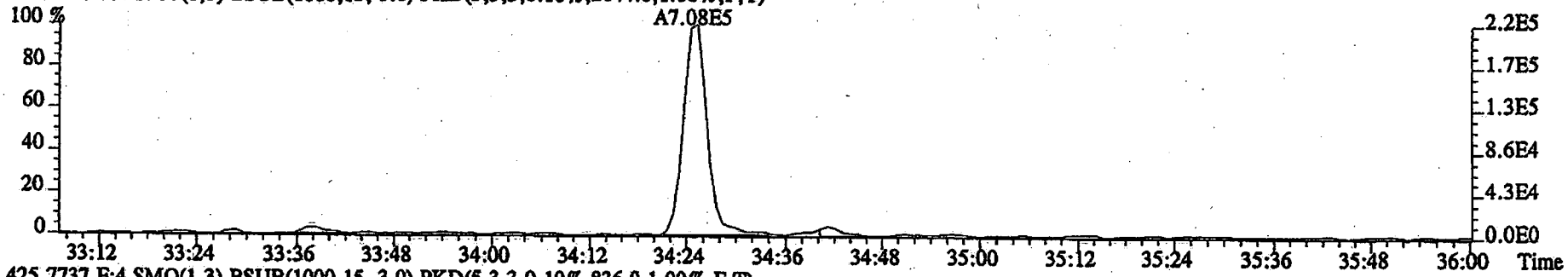
1174

STL Edison

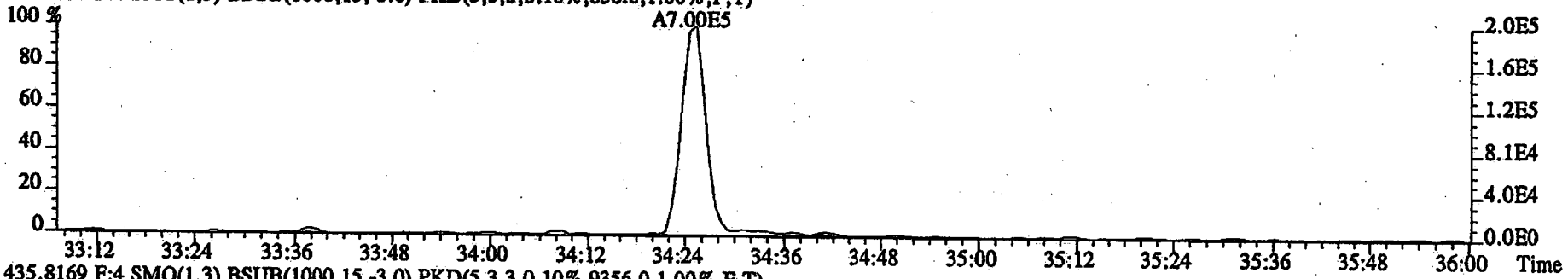
U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

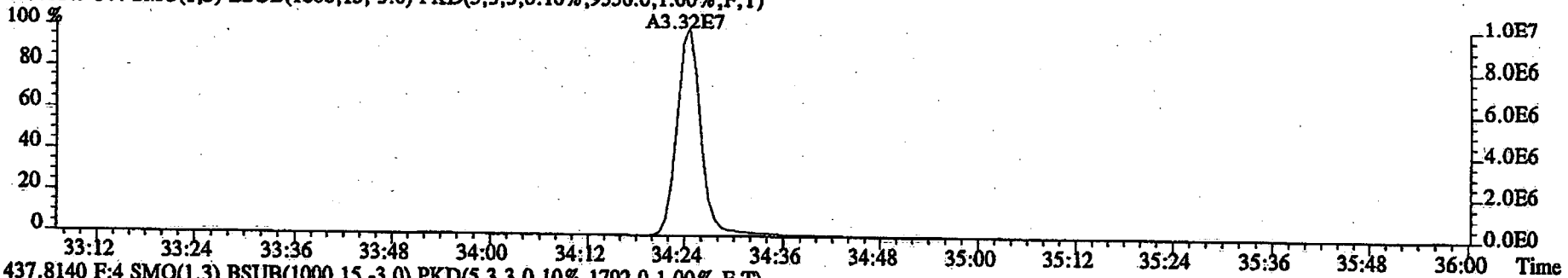
423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2144.0,1.00%,F,T)



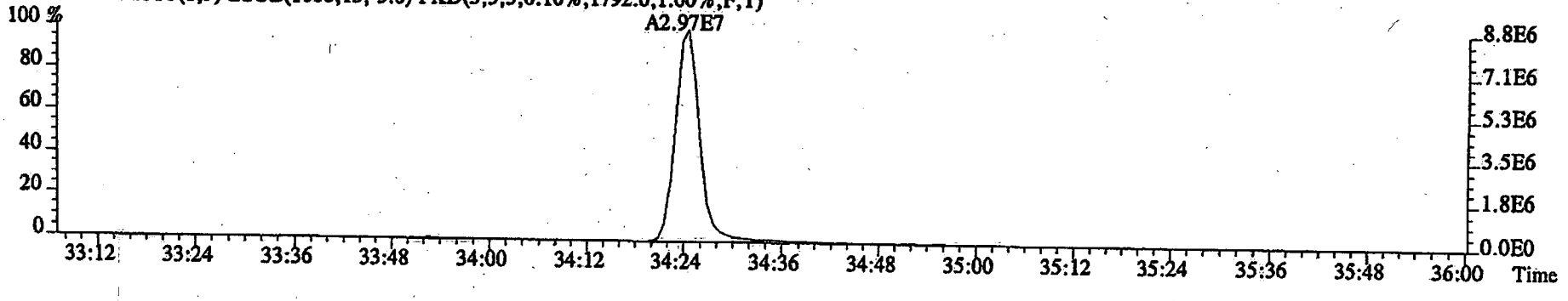
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,836.0,1.00%,F,T)



435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9356.0,1.00%,F,T)

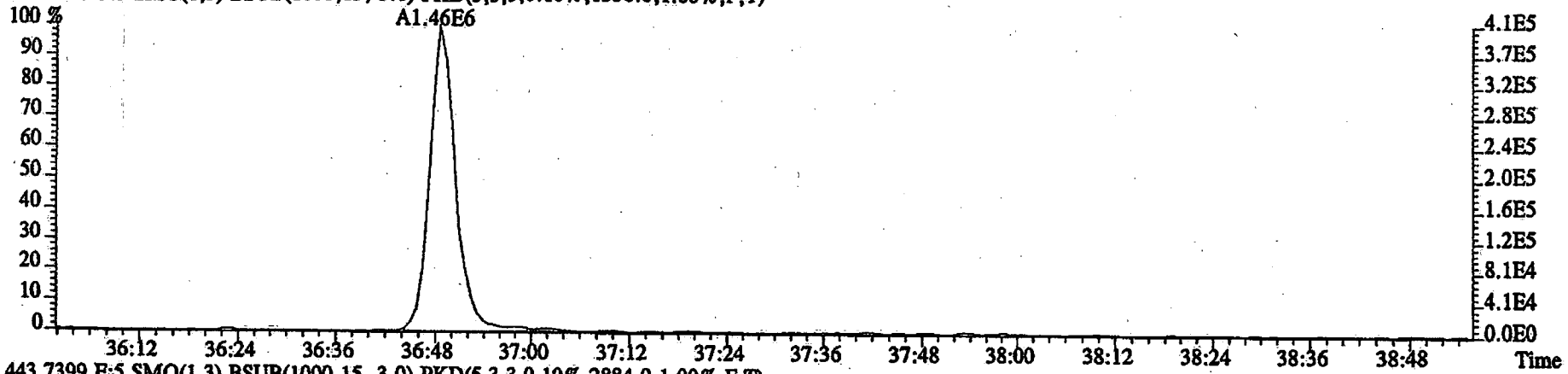


437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1792.0,1.00%,F,T)

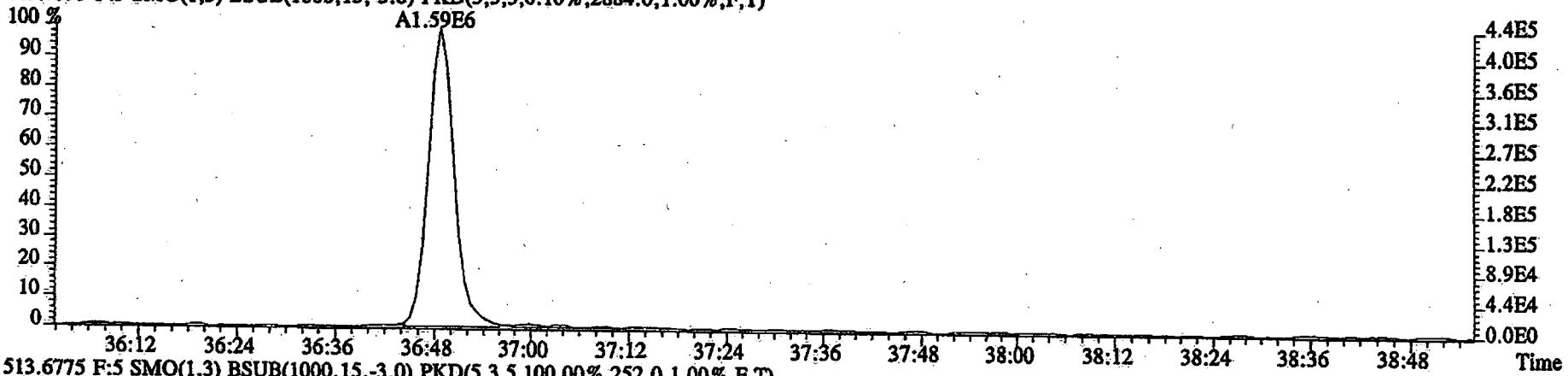


1175
STL Edison
U855

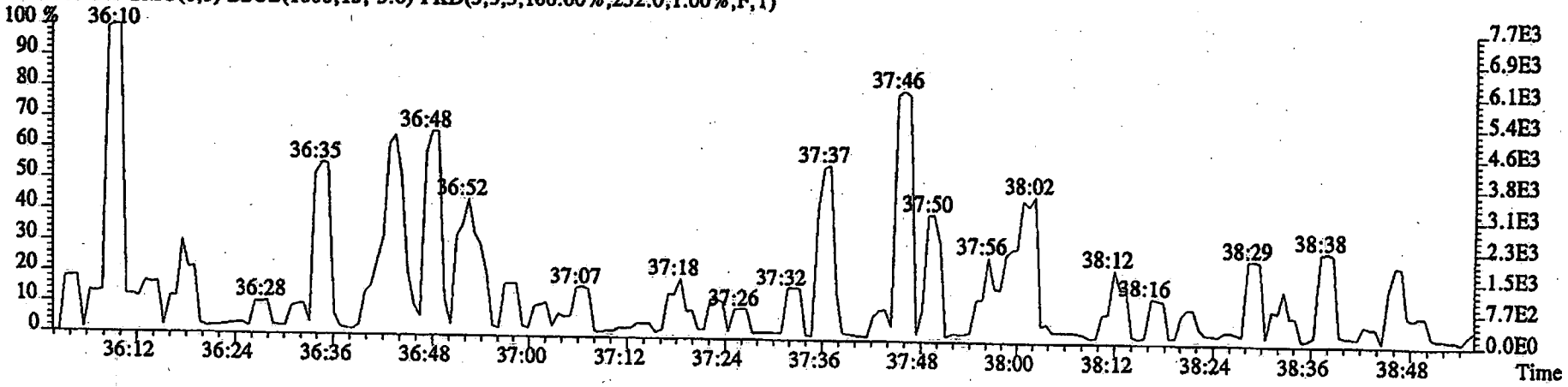
File:09DE049D5 #1-235 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1356.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2884.0,1.00%,F,T)



513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,252.0,1.00%,F,T)



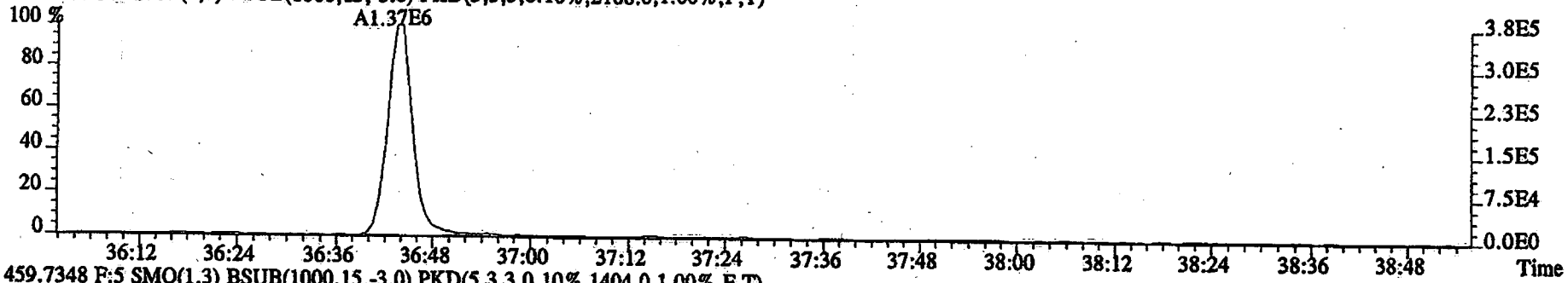
1176

STL Edison

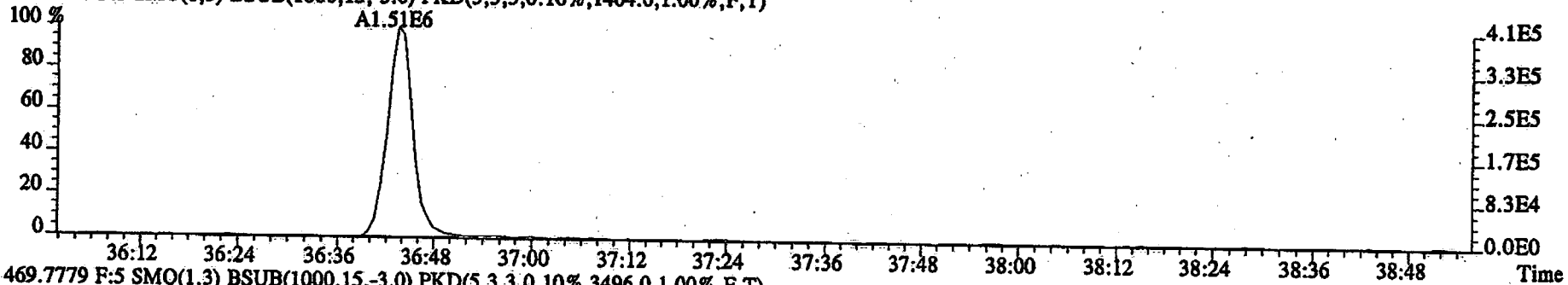
U855

File:09DE049D5 #1-235 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

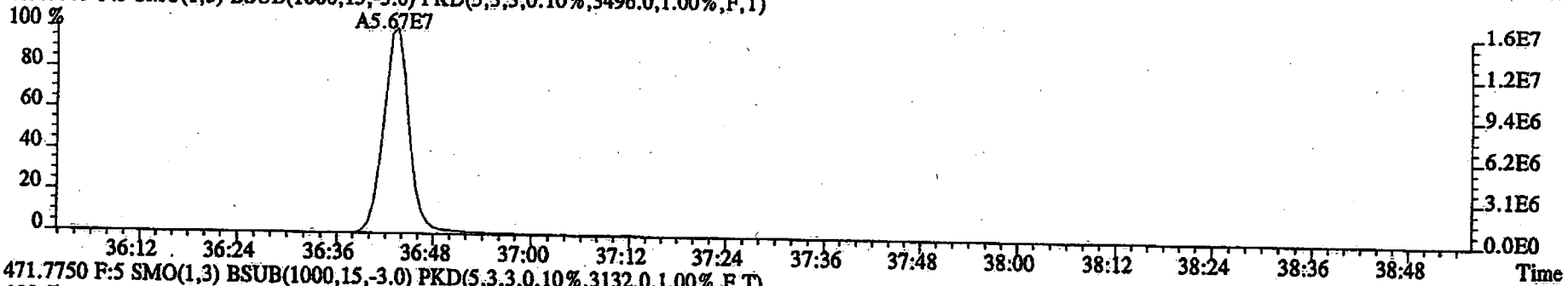
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2108.0,1.00%,F,T)



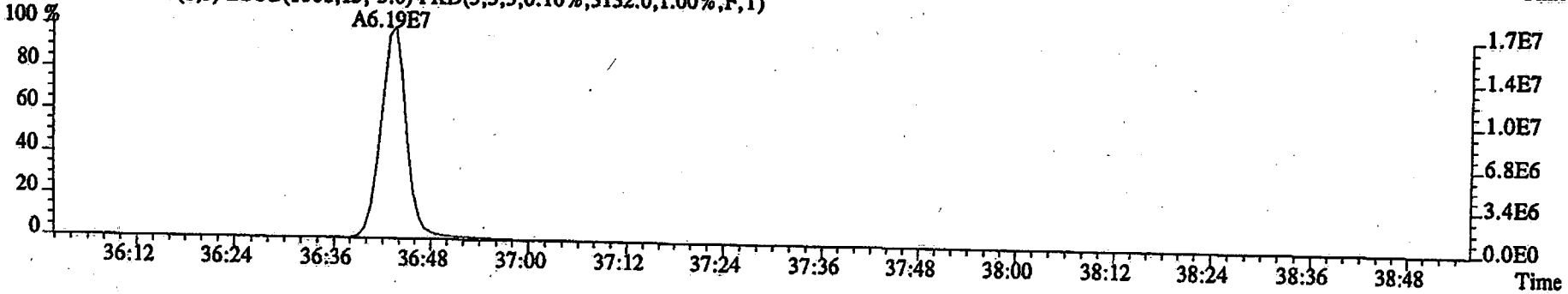
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1404.0,1.00%,F,T)



469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3132.0,1.00%,F,T)



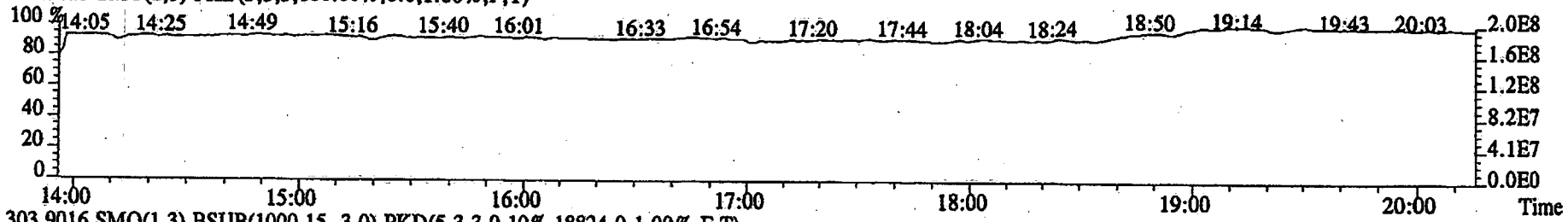
1177

STL Edison

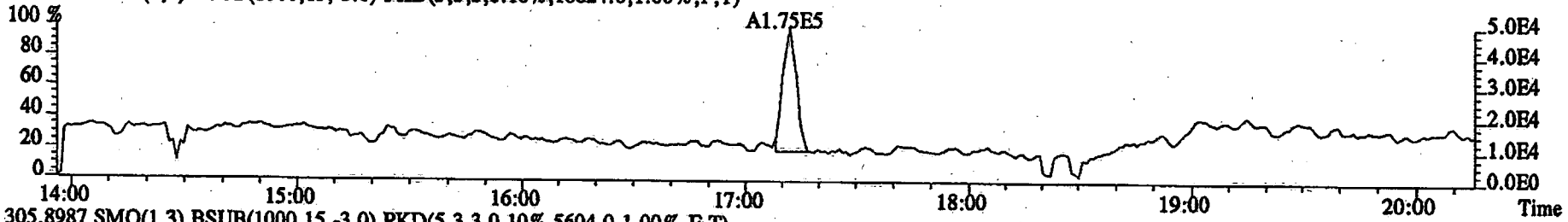
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

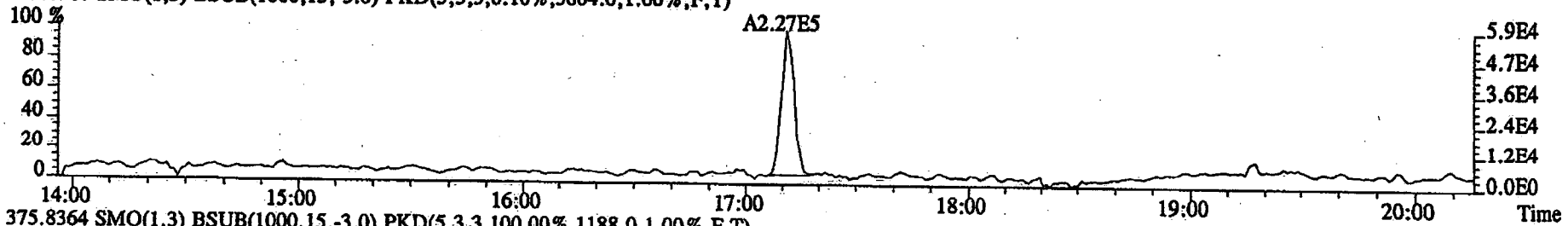
292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



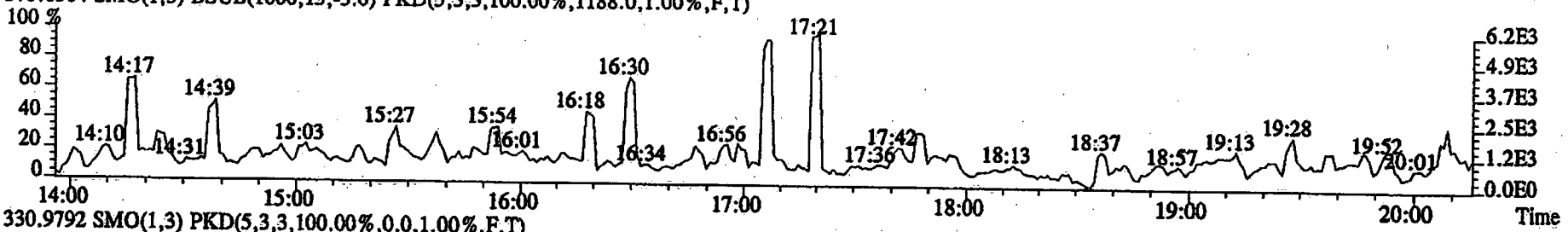
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18824.0,1.00%,F,T)



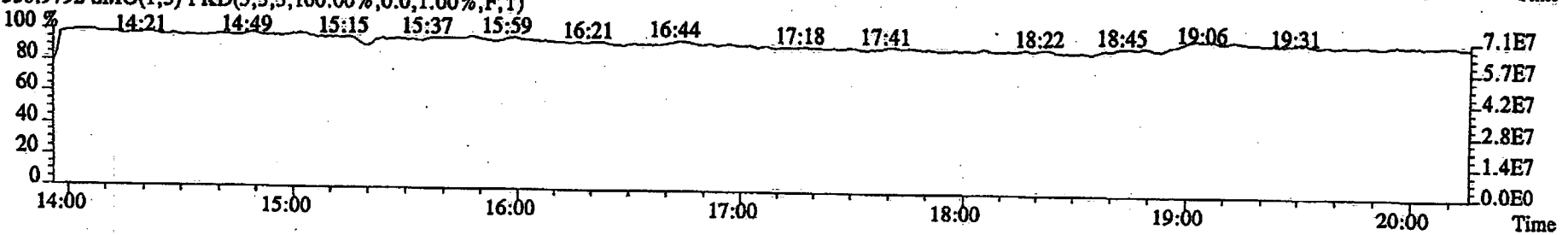
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5604.0,1.00%,F,T)



375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1188.0,1.00%,F,T)



330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



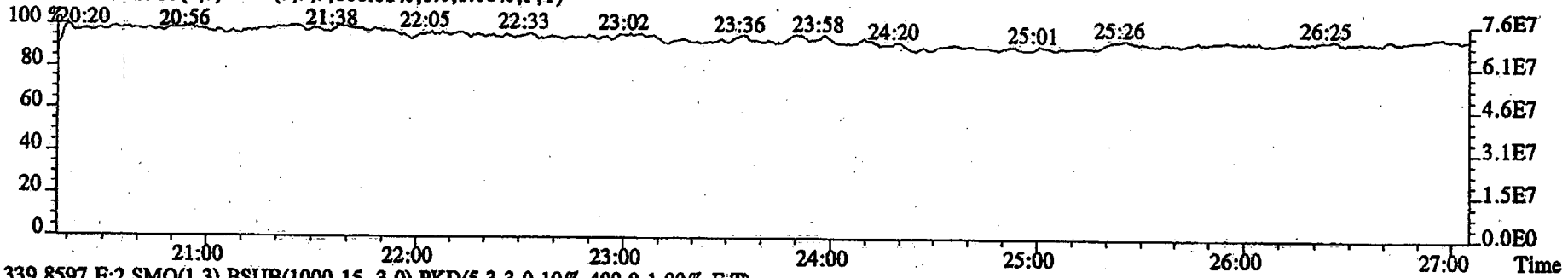
1178

STL Edison

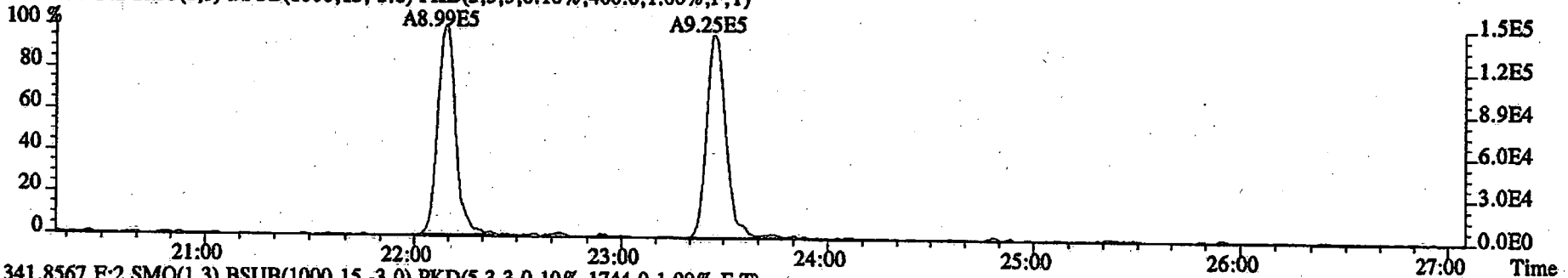
U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

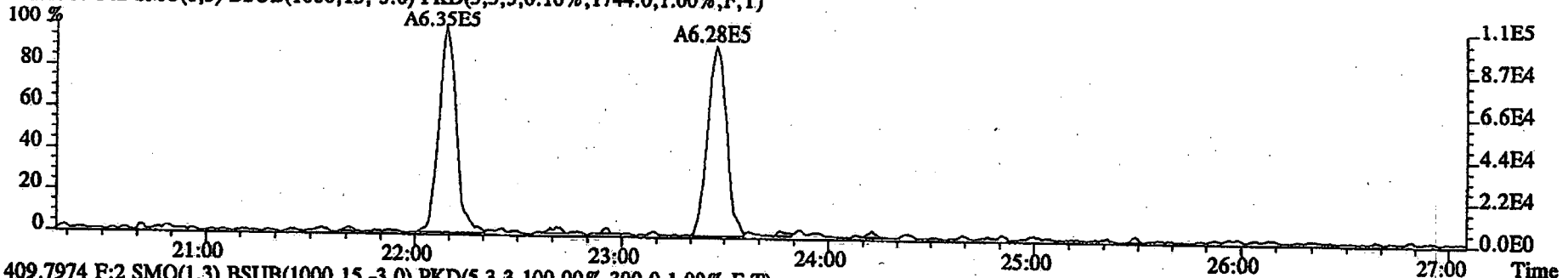
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



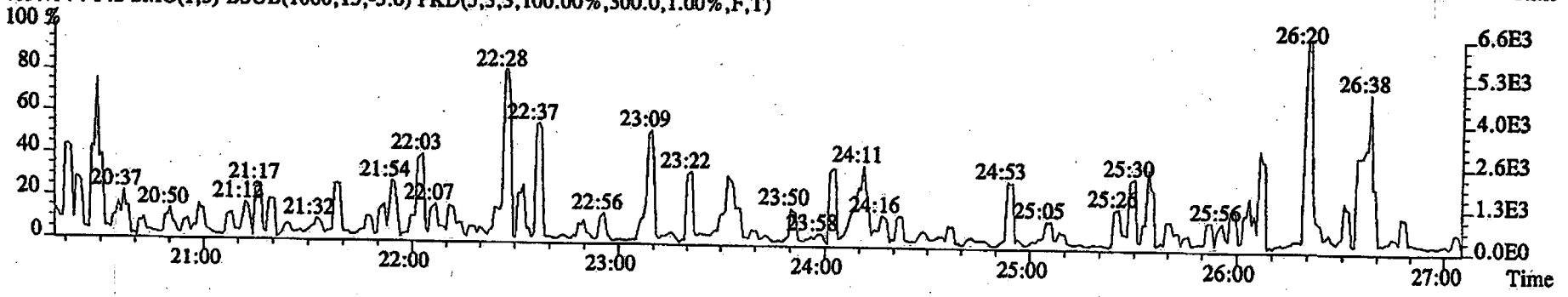
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)



341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1744.0,1.00%,F,T)



409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,300.0,1.00%,F,T)

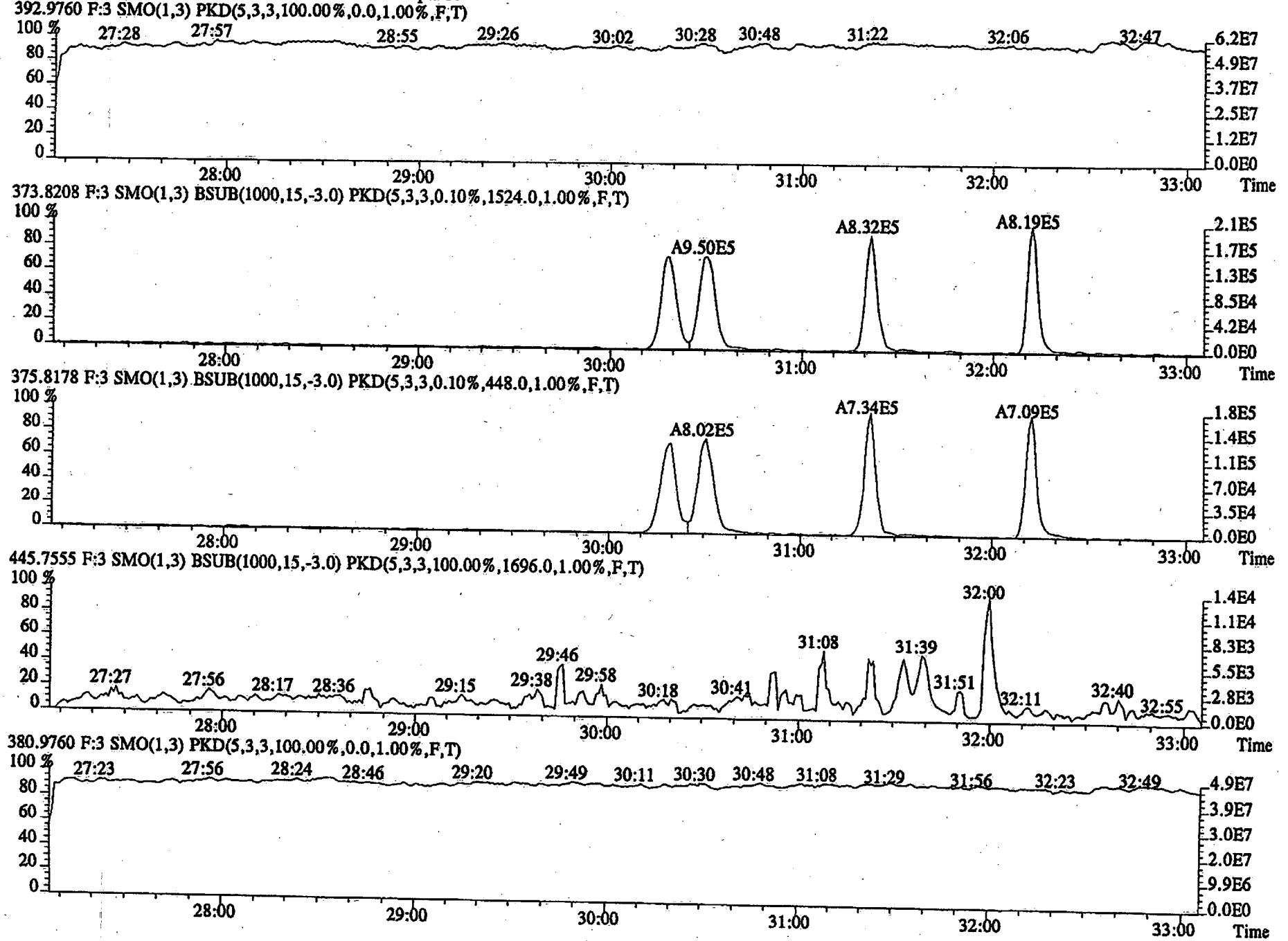


1179

STL Edison

U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

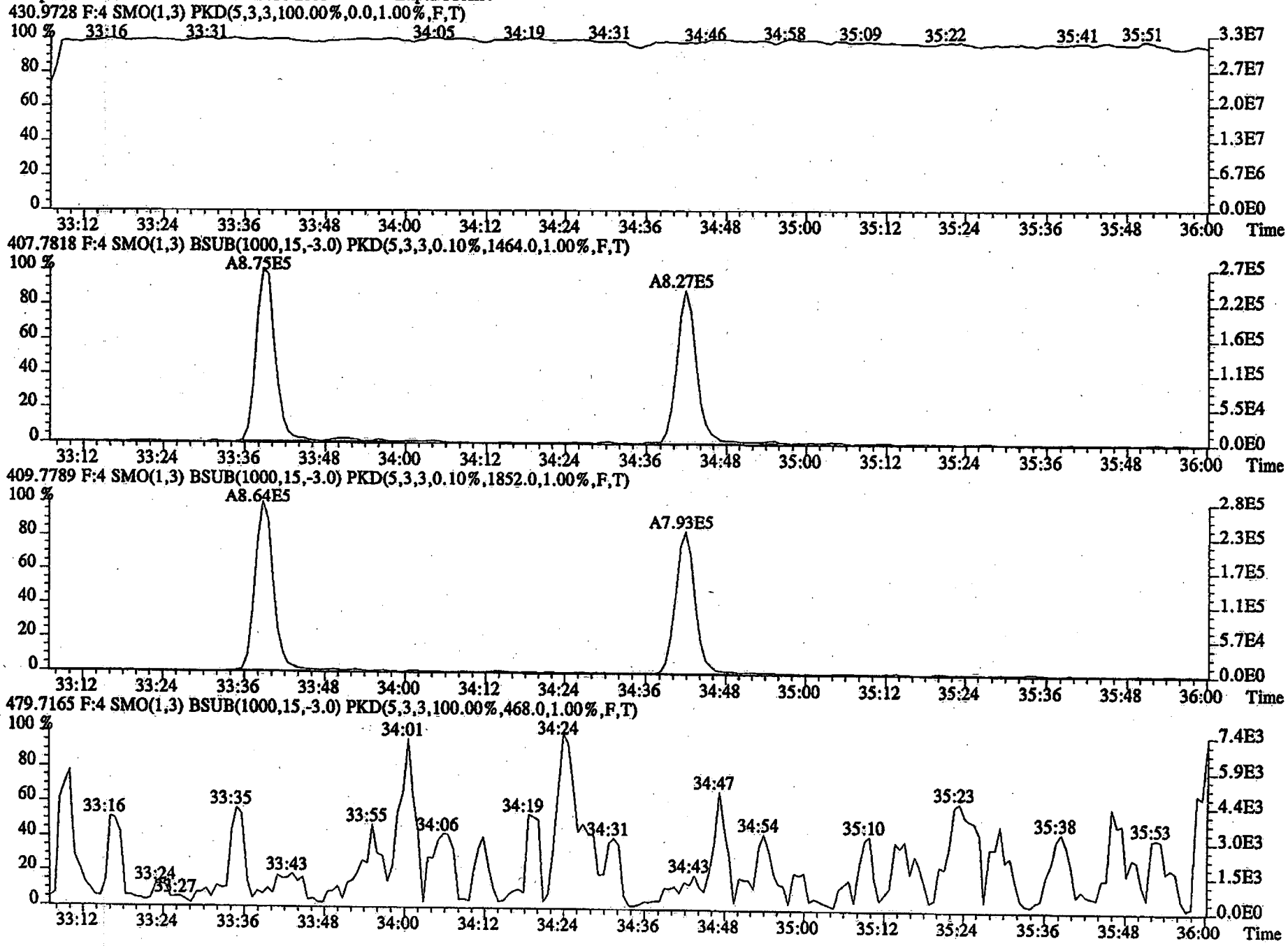


1180

STL Edison

U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN

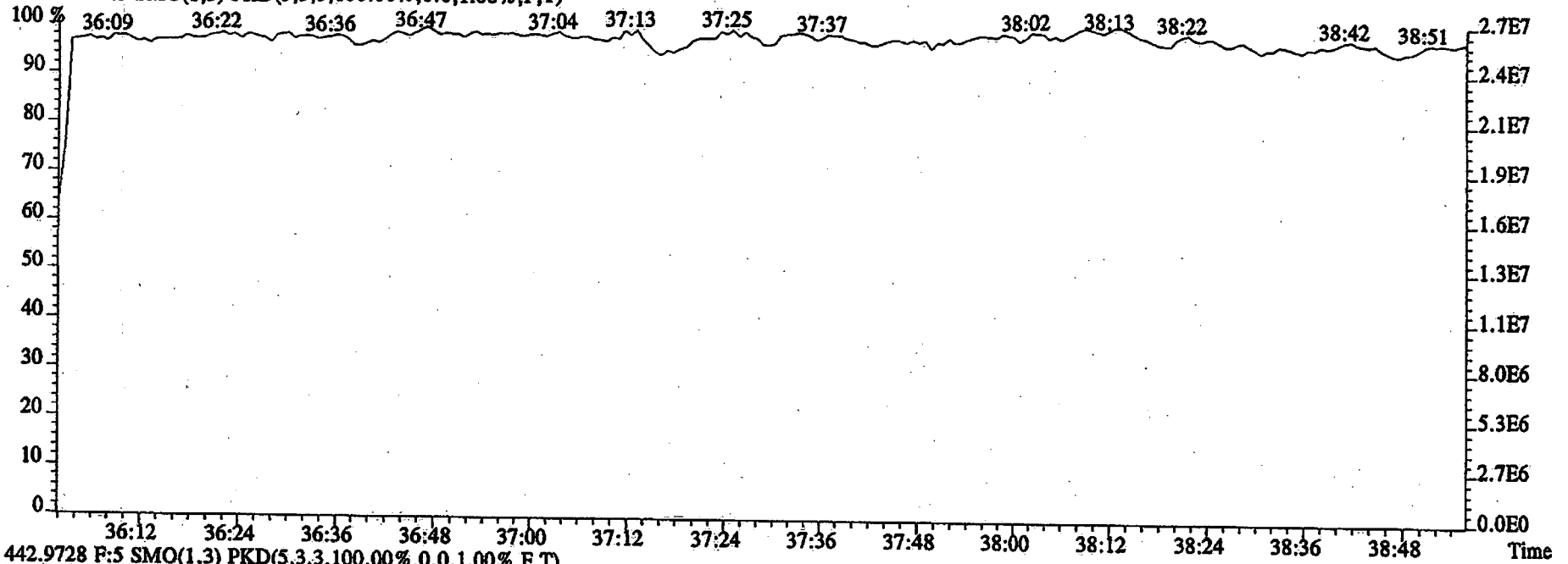


1181

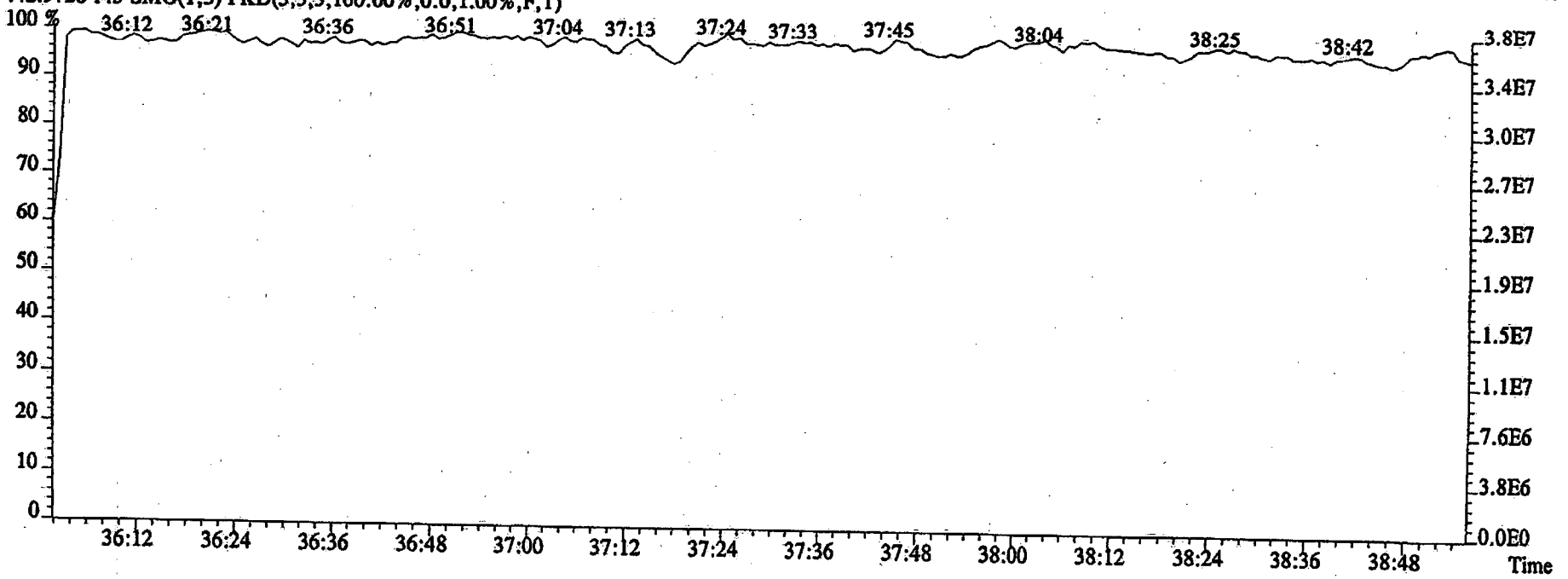
STL Edison

U855

File:09DE049D5 #1-235 Acq: 9-DEC-2004 13:43:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST1209 :CS3 2416-23A Exp:DIOXIN
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



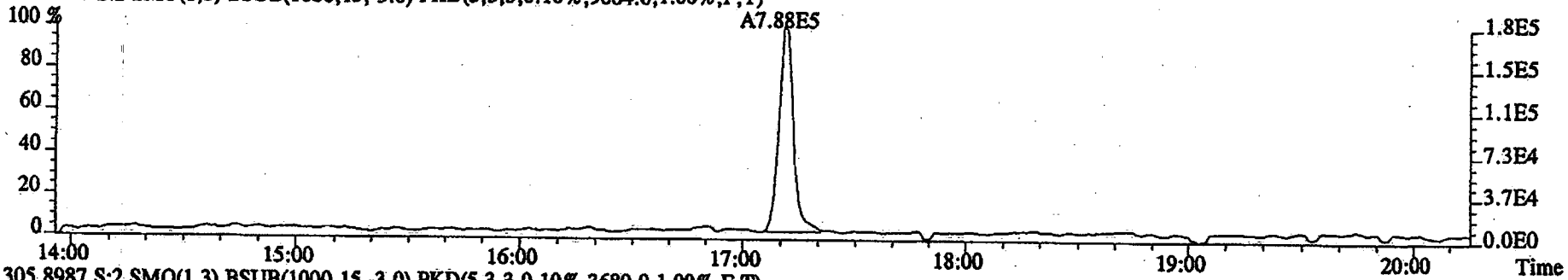
1182

STL Edison

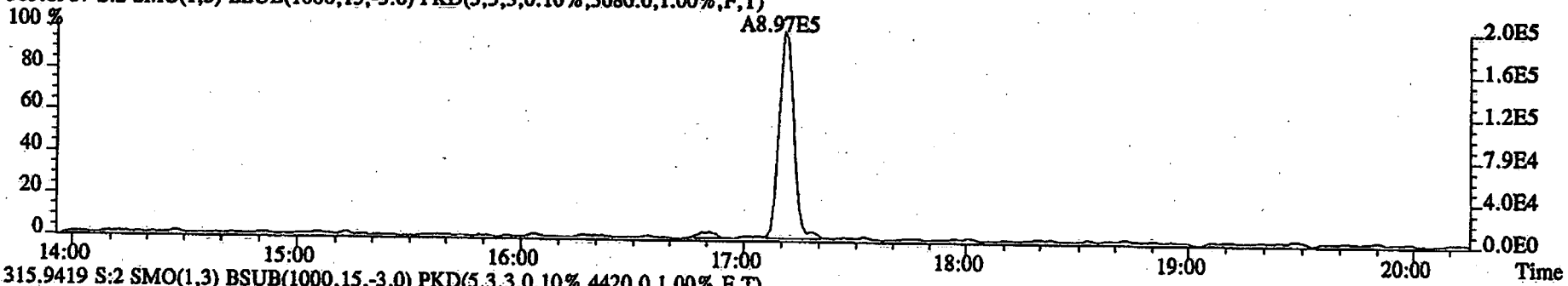
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

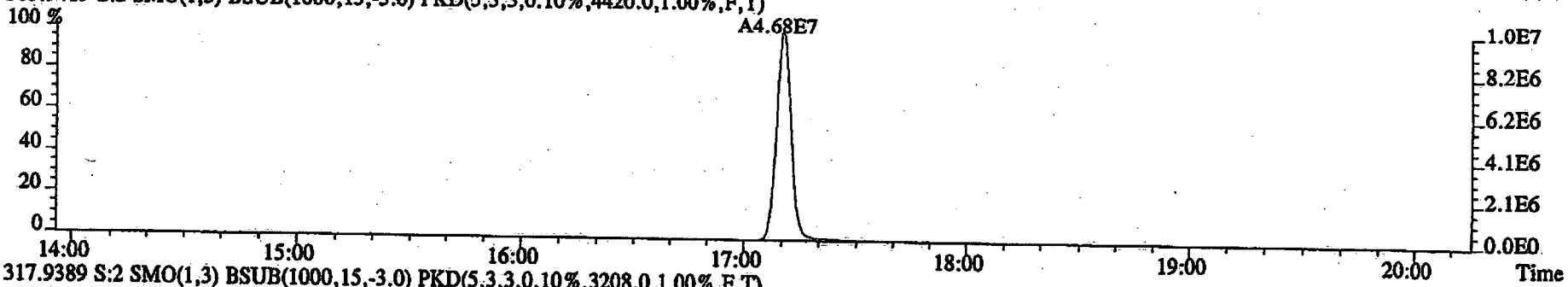
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9064.0,1.00%,F,T)



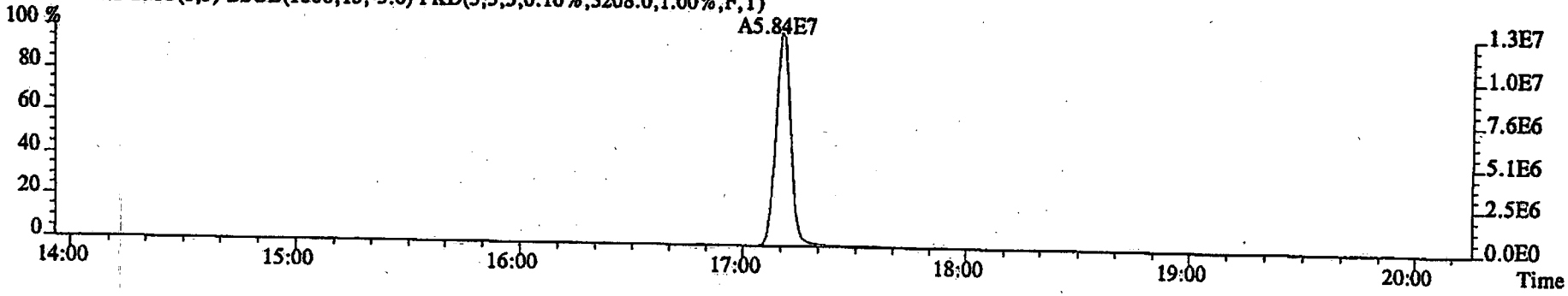
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)



315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4420.0,1.00%,F,T)



317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T)

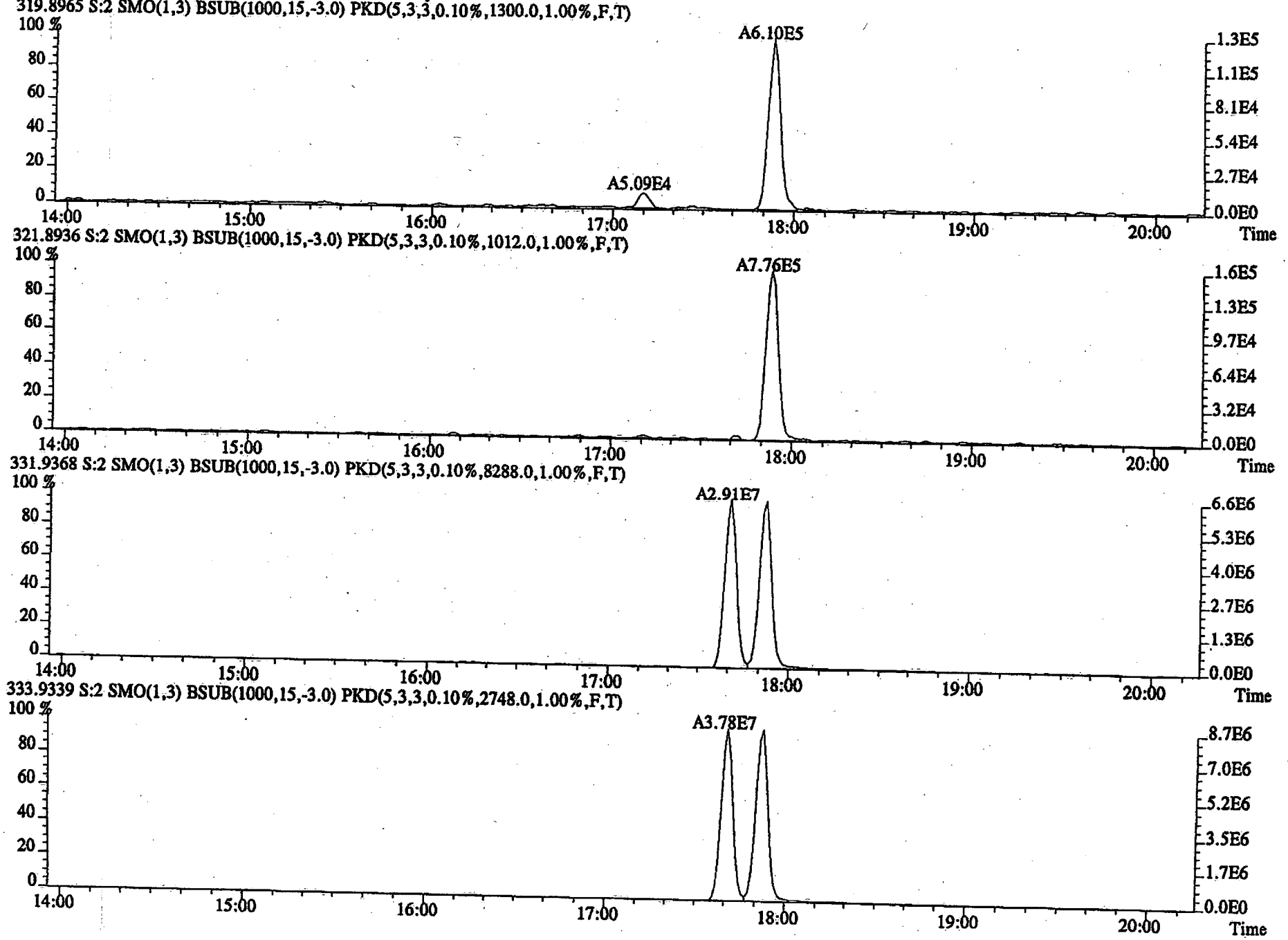


1183

STL Edison

U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

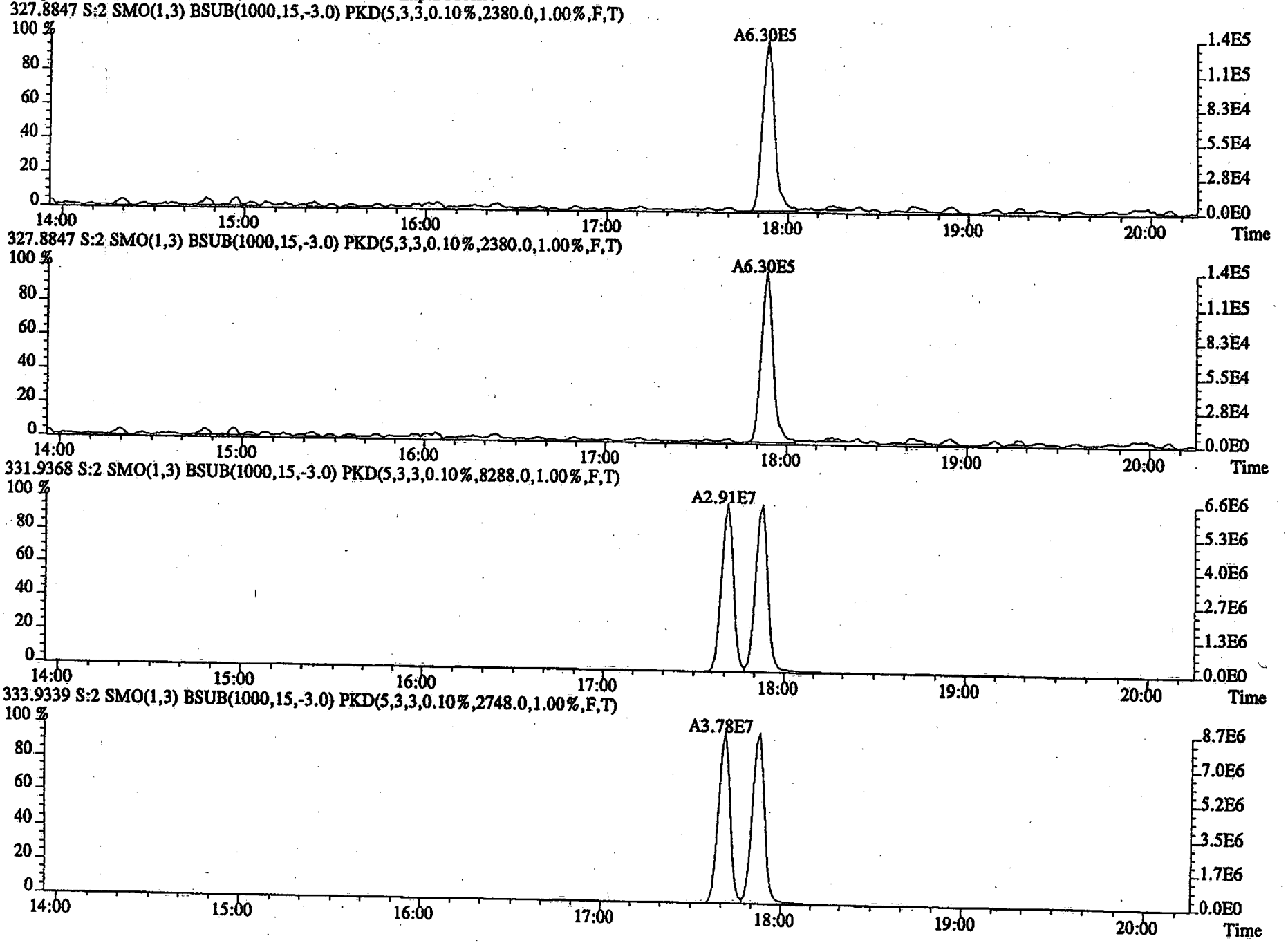


1184

STL Edison

U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN



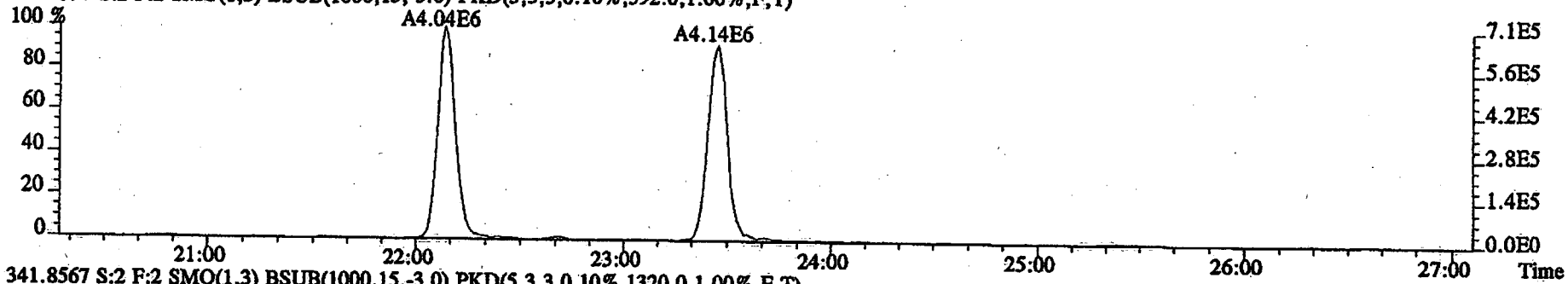
1185

STL Edison

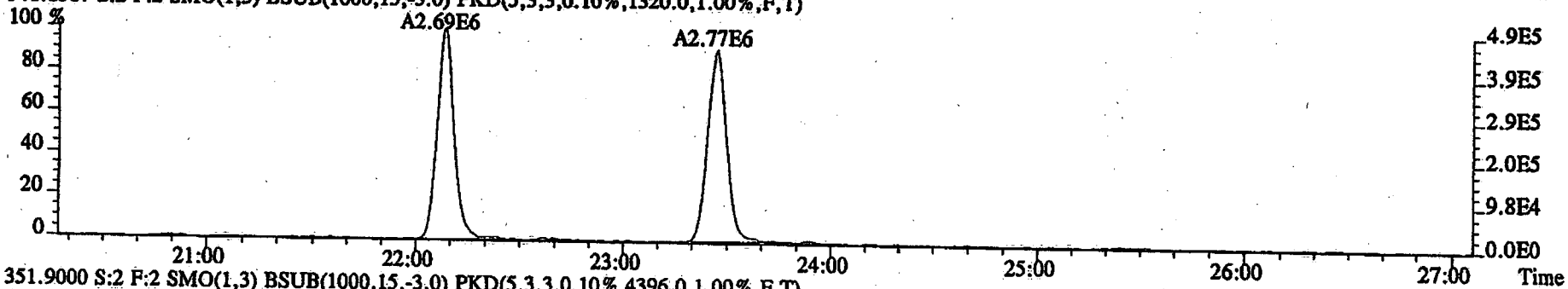
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

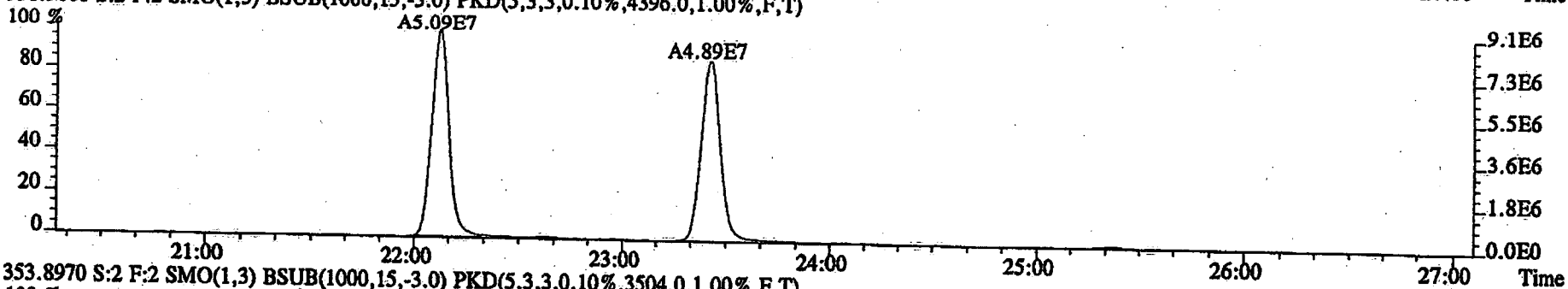
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



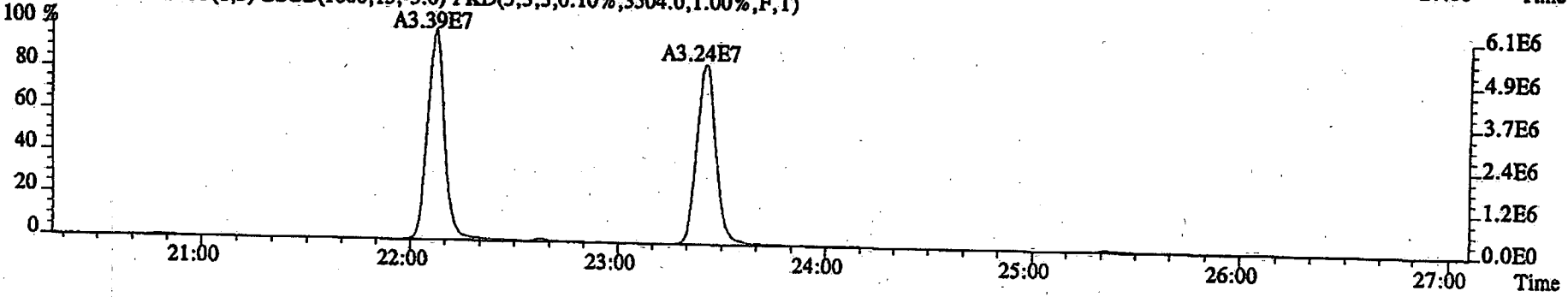
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4396.0,1.00%,F,T)



353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3504.0,1.00%,F,T)



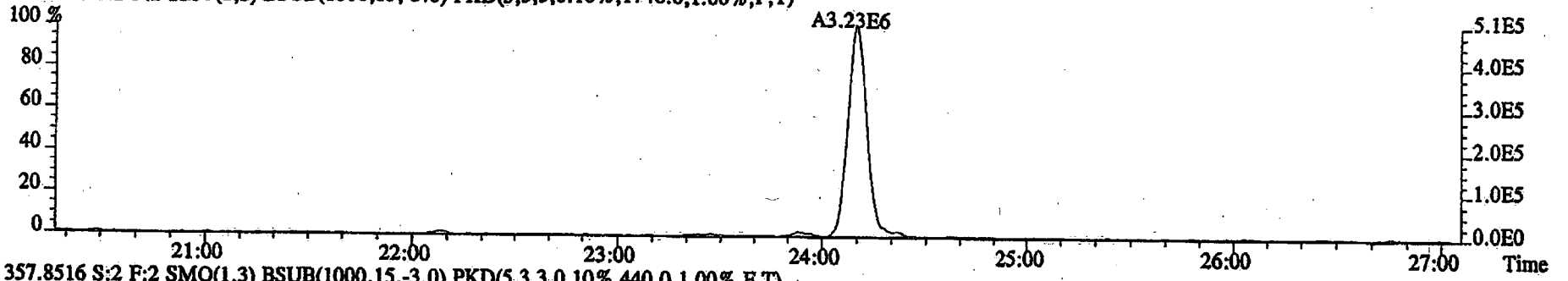
1186

STL Edison

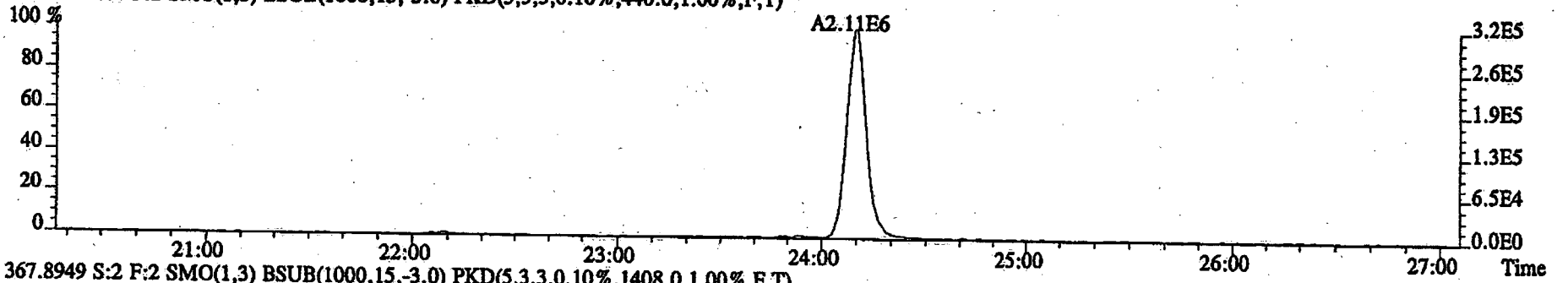
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

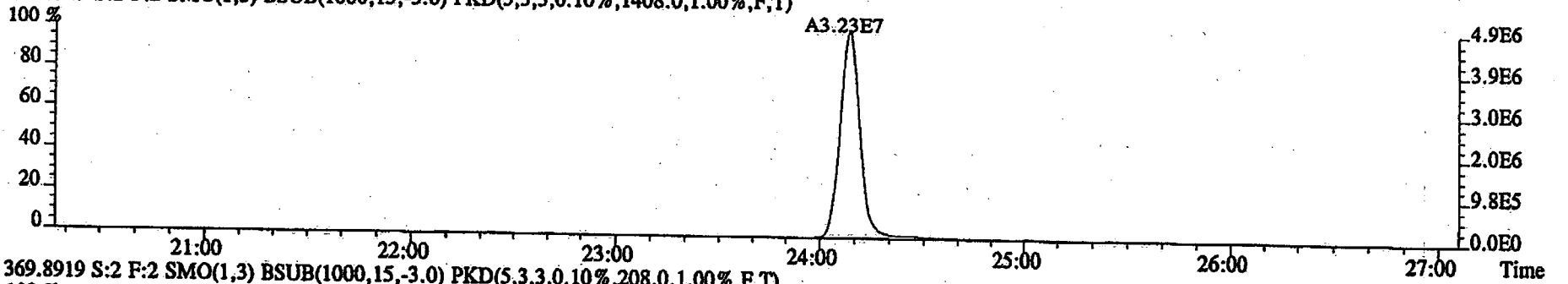
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1748.0,1.00%,F,T)



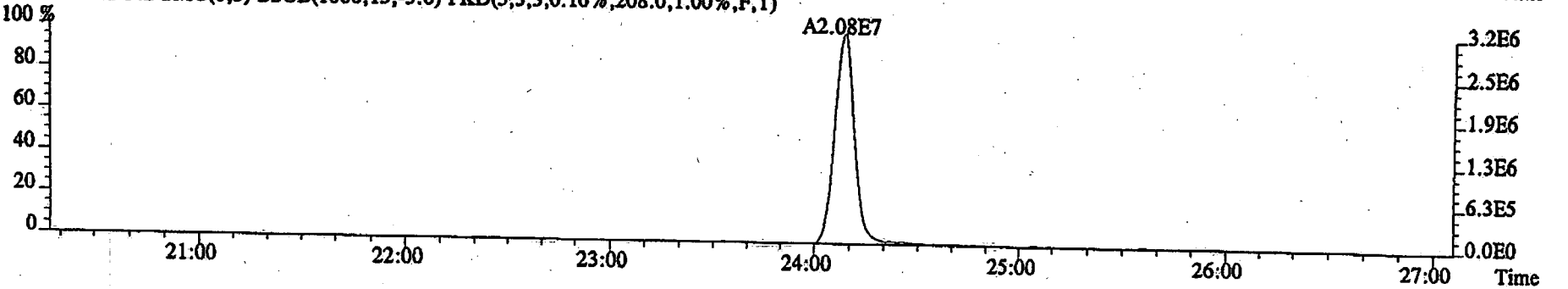
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



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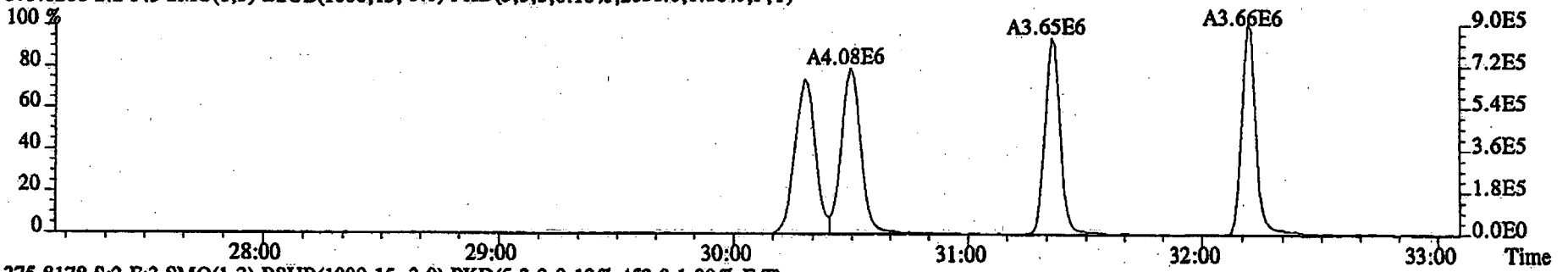
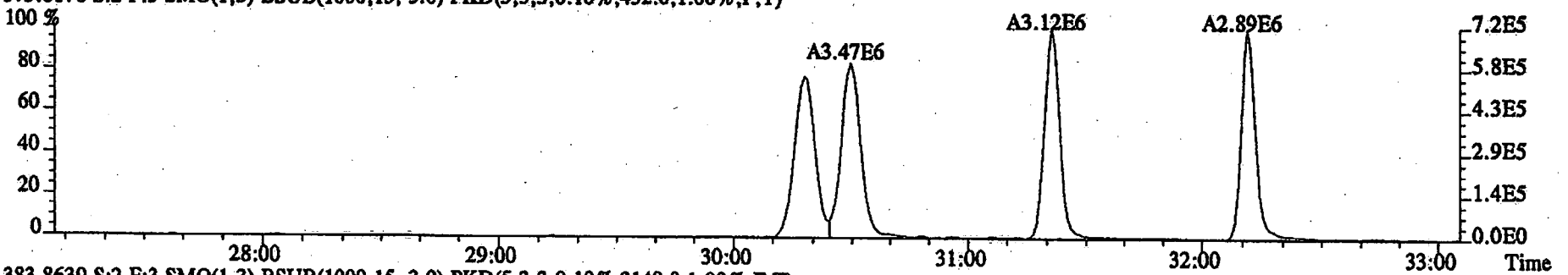
File:09DE049D5 #1-452 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

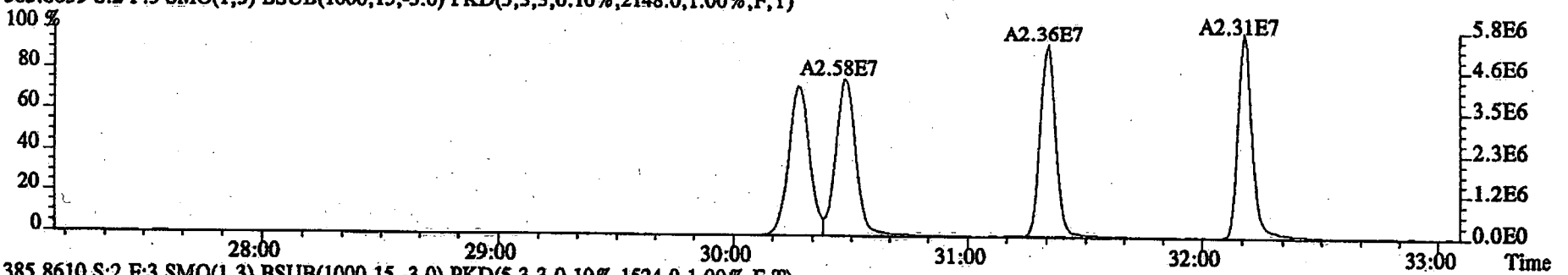
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2036.0,1.00%,F,T)



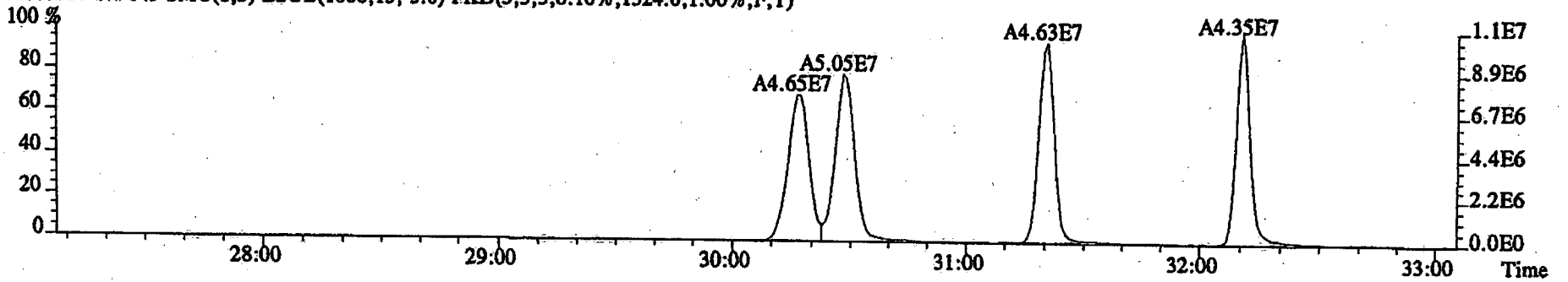
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2148.0,1.00%,F,T)



385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)



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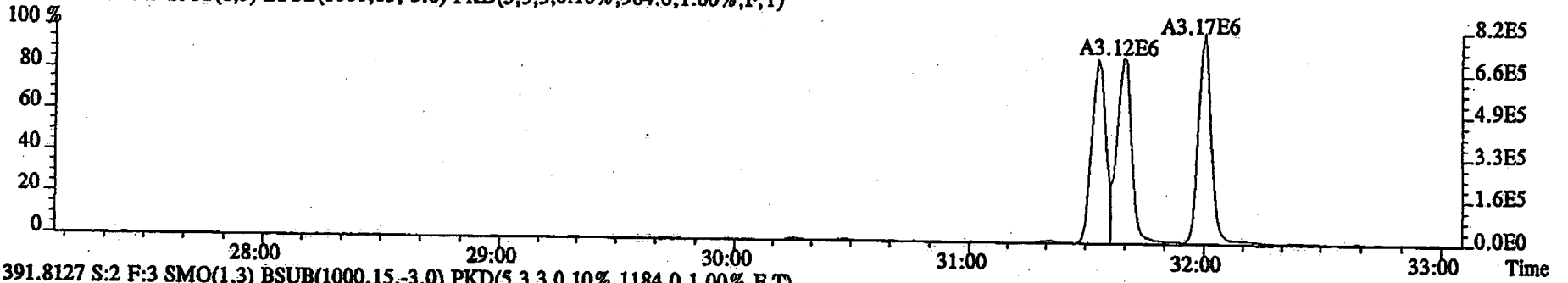
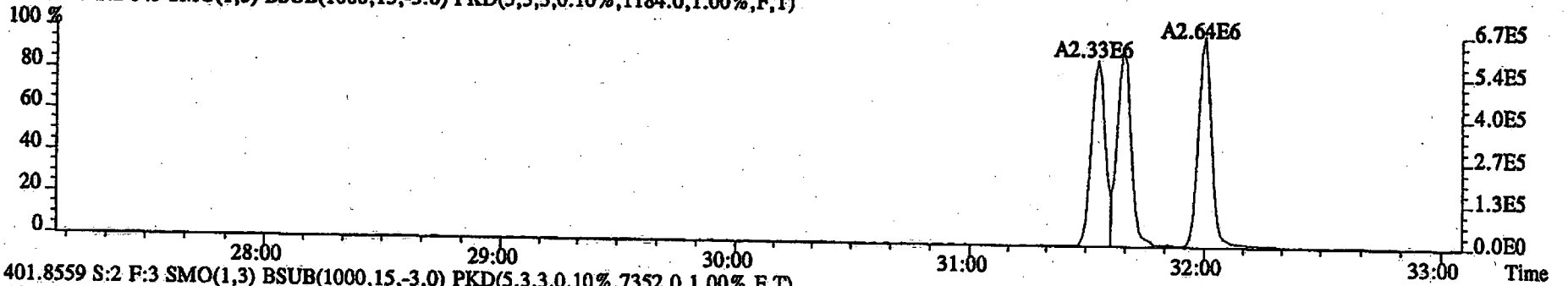
File:09DE049D5 #1-452 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

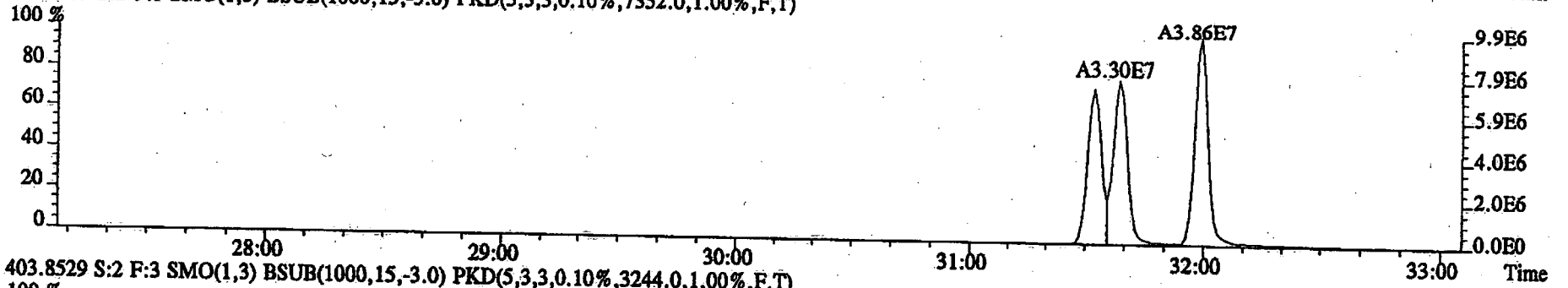
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)



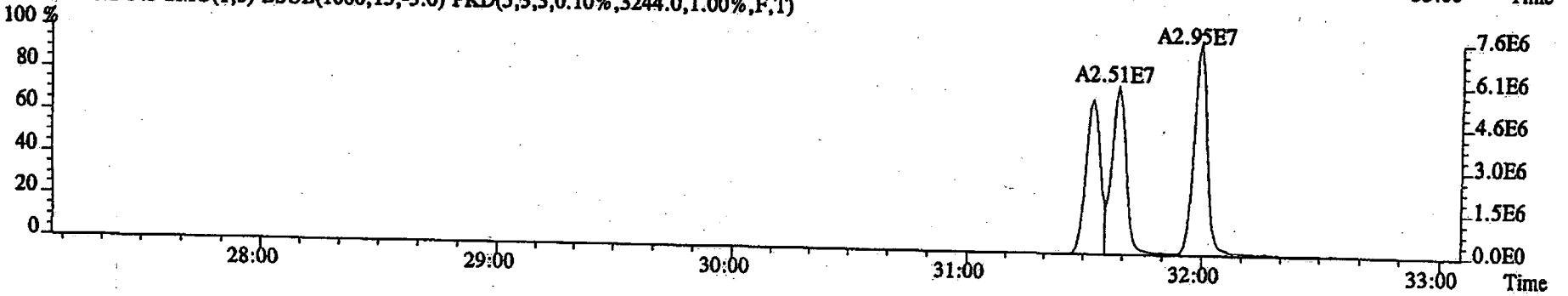
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)



403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3244.0,1.00%,F,T)



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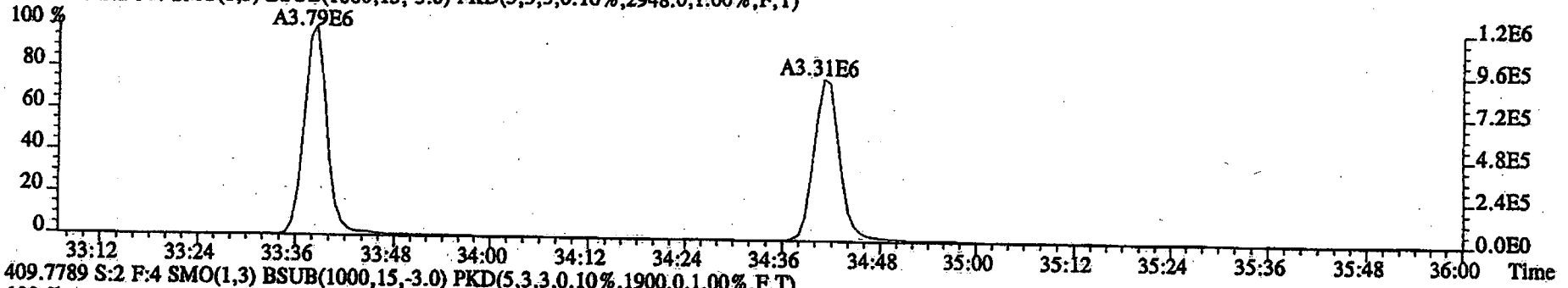
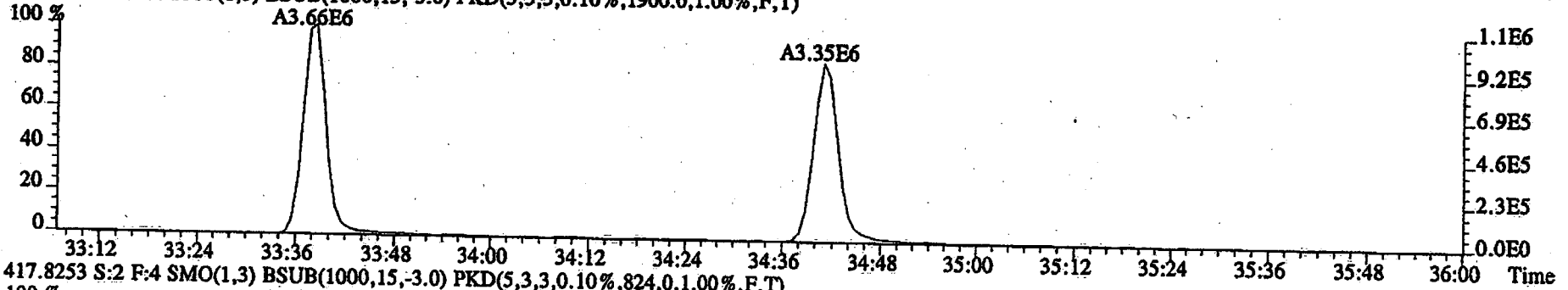
File:09DE049D5 #1-231 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

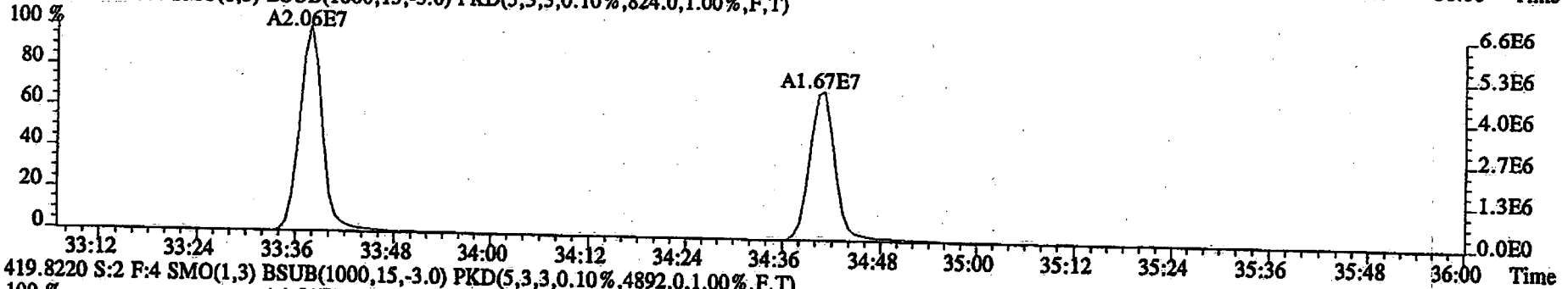
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



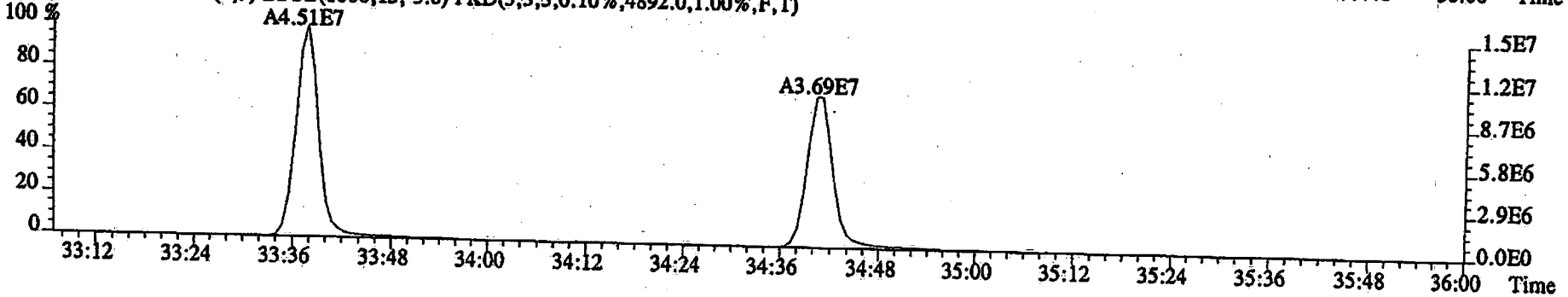
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1900.0,1.00%,F,T)



417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4892.0,1.00%,F,T)



1190

STL Edison

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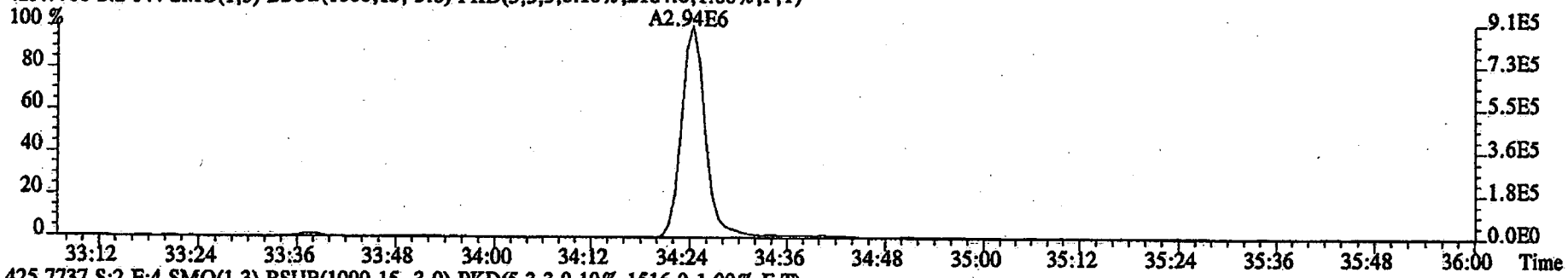
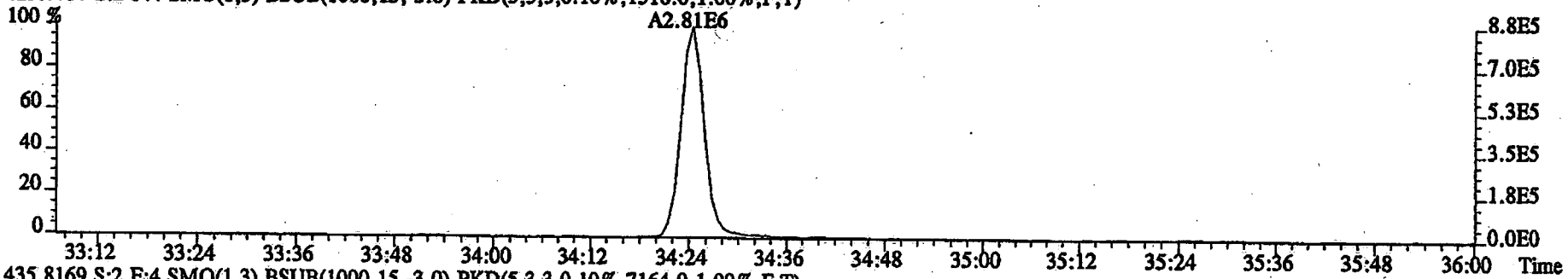
File:09DE049D5 #1-231 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

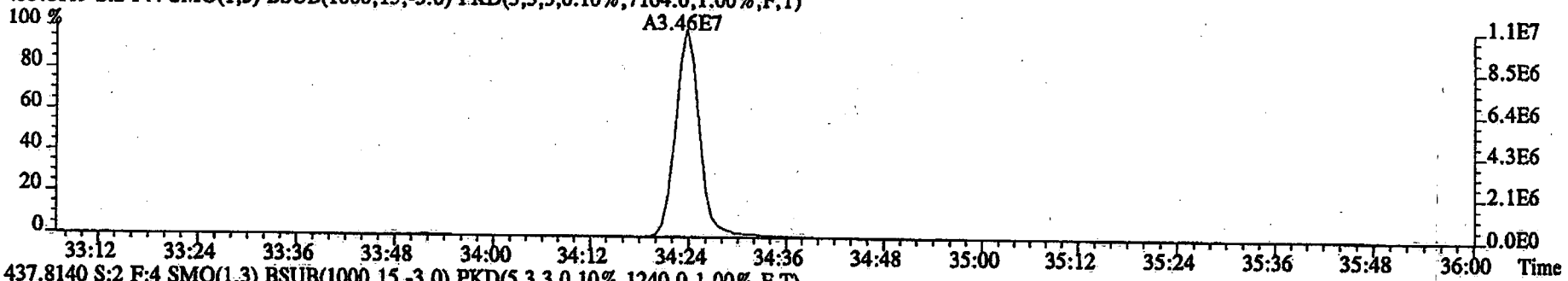
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2164.0,1.00%,F,T)



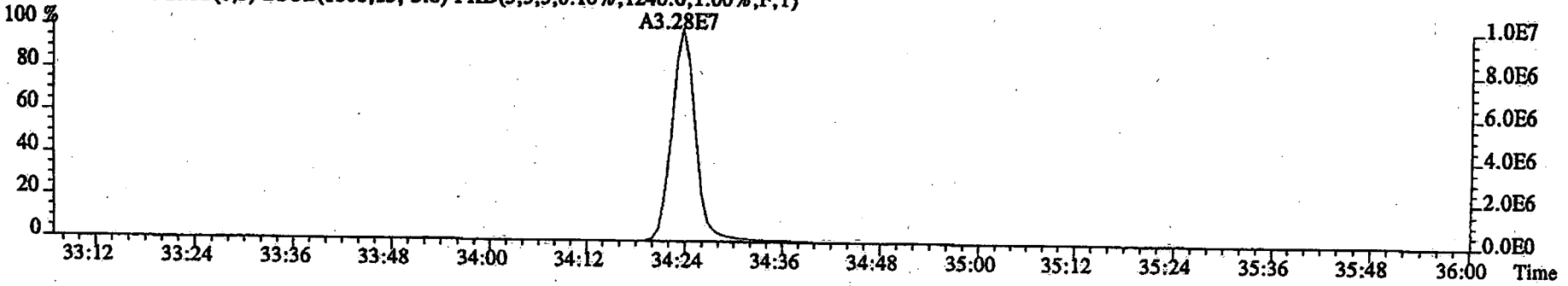
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)



435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7164.0,1.00%,F,T)



437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1240.0,1.00%,F,T)



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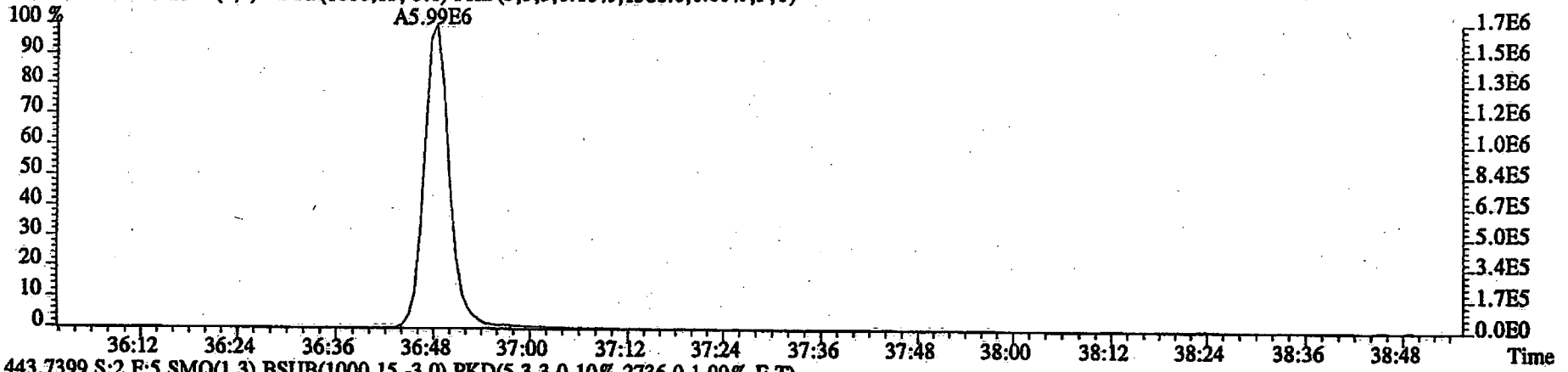
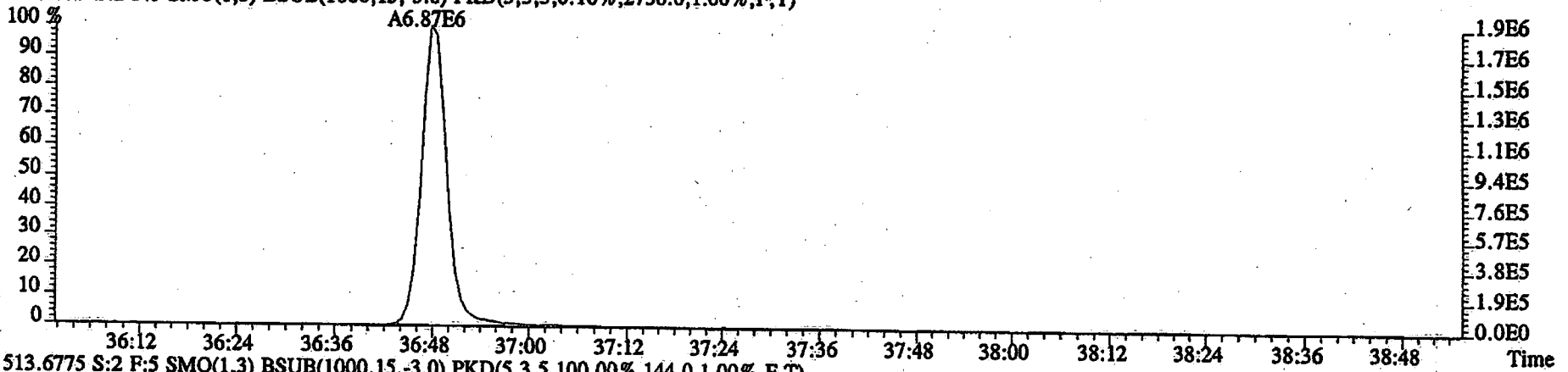
STL Edison
U855

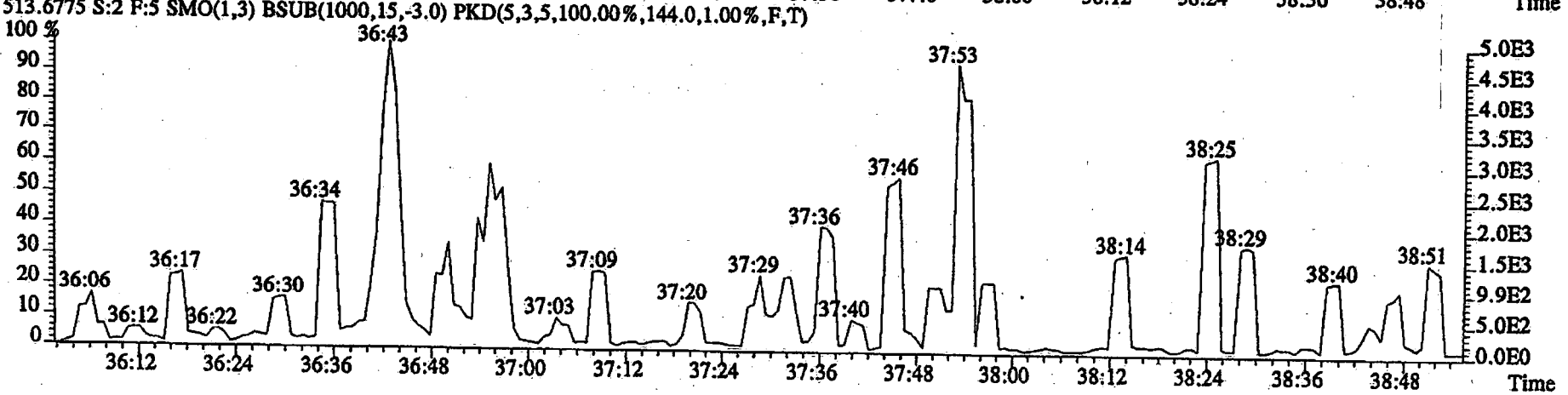
File:09DE049D5 #1-235 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2736.0,1.00%,F,T)



513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,144.0,1.00%,F,T)



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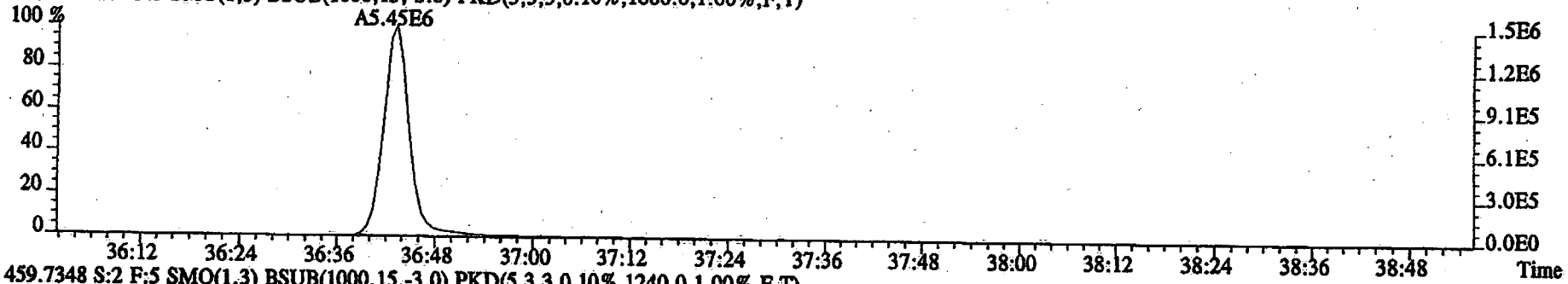
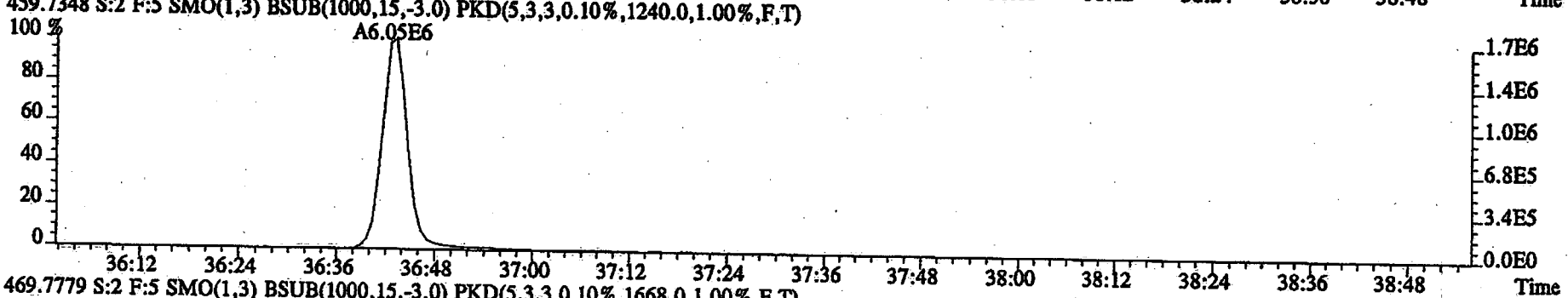
File:09DE049D5 #1-235 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

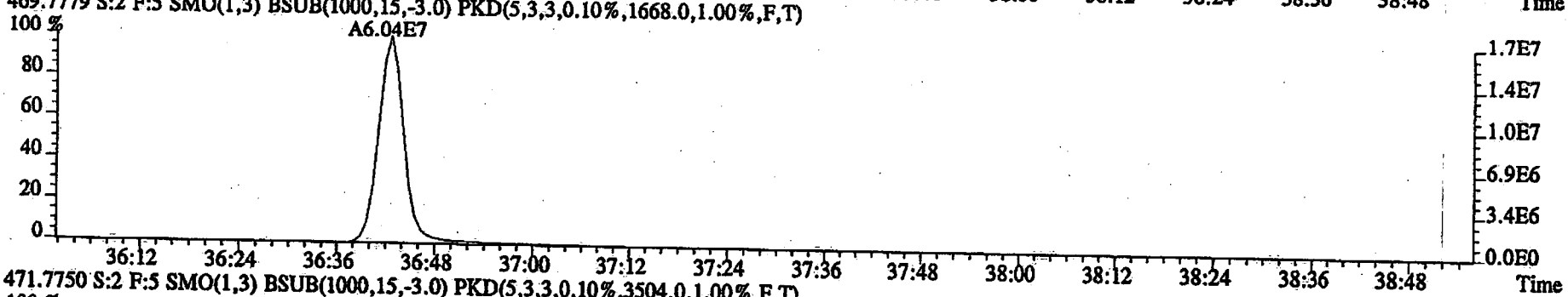
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



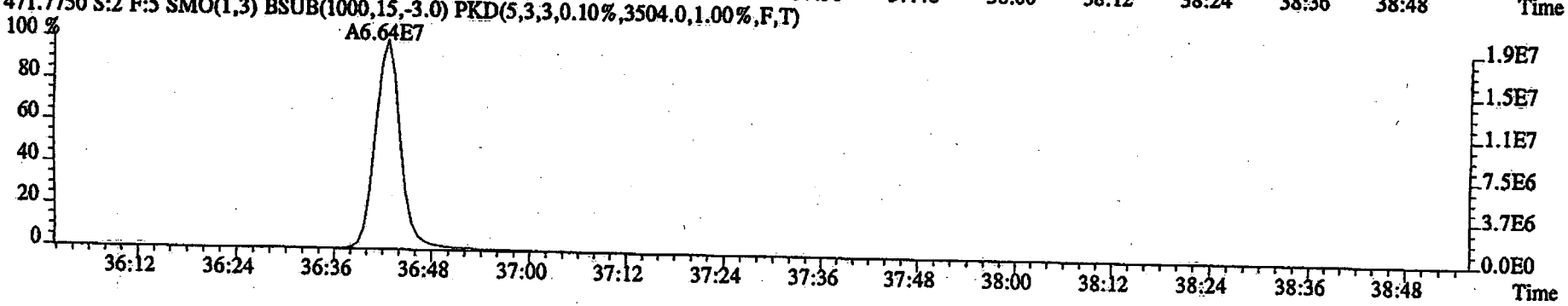
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1240.0,1.00%,F,T)



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668.0,1.00%,F,T)



471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3504.0,1.00%,F,T)



1193

STL Edison

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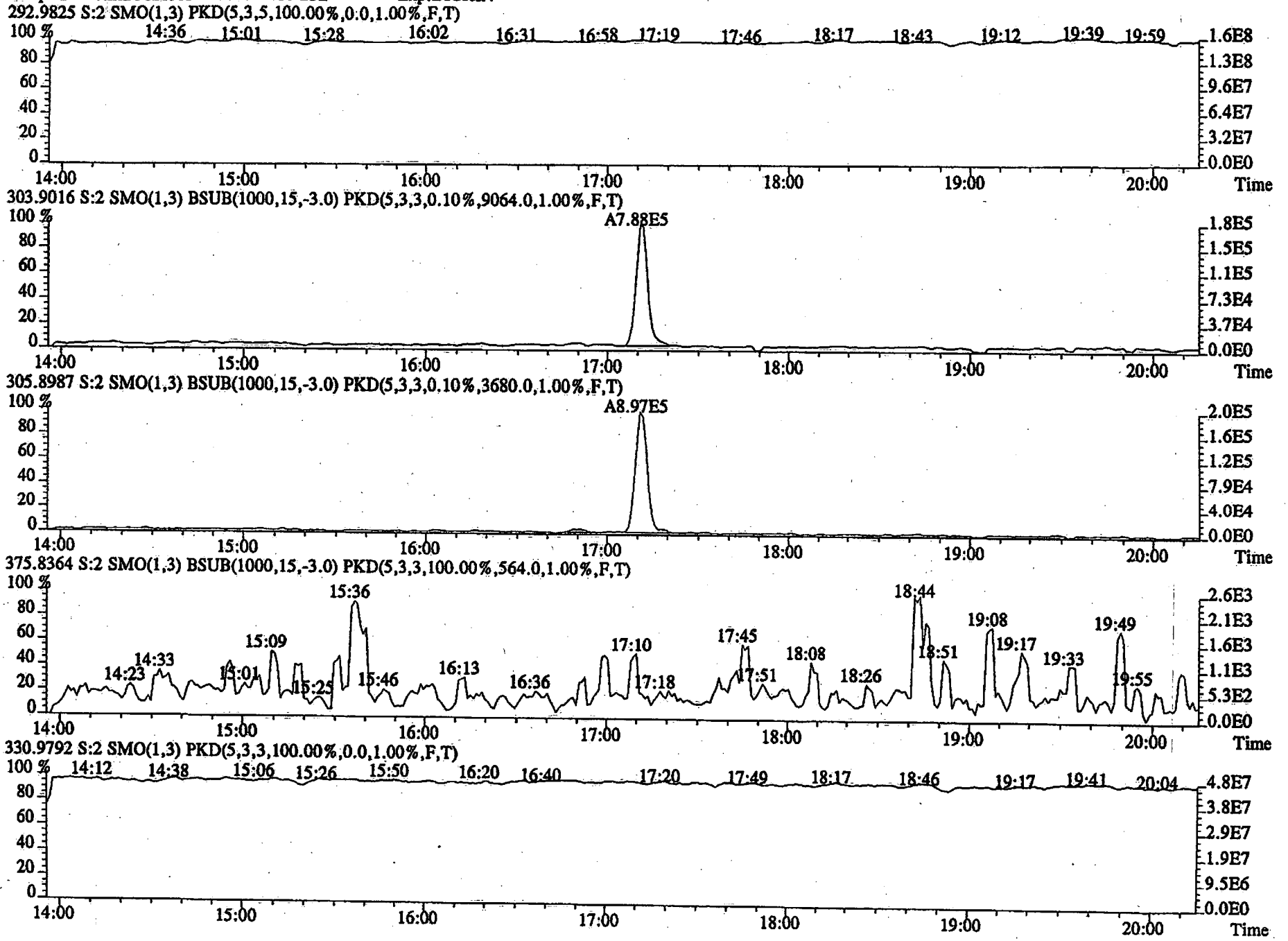
File:09DE049D5 #1-394 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN



1194

STL Edison

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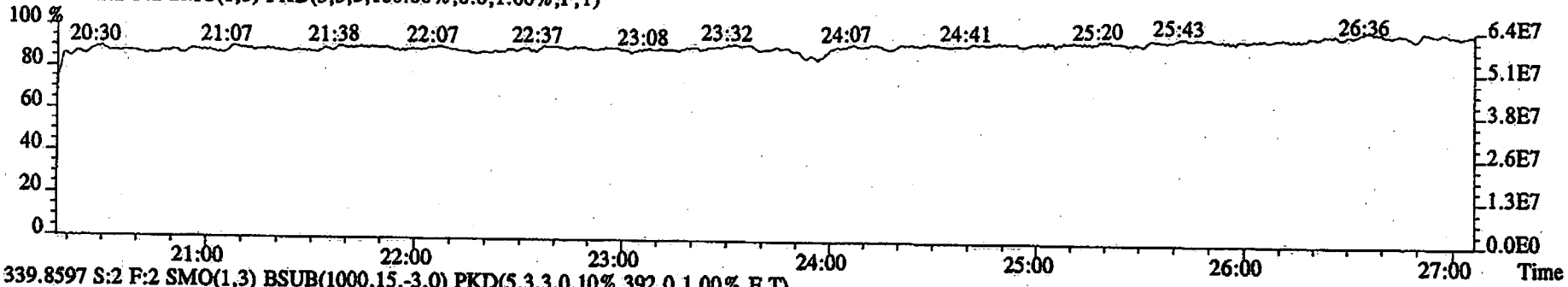
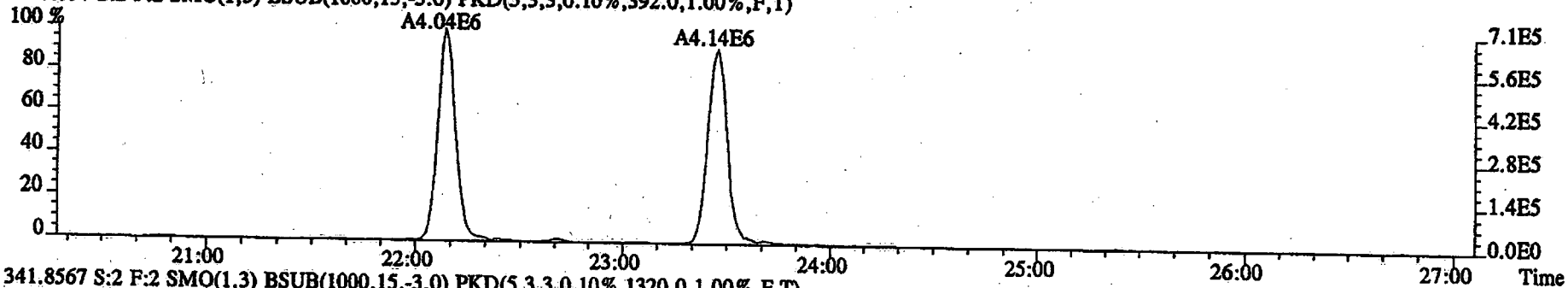
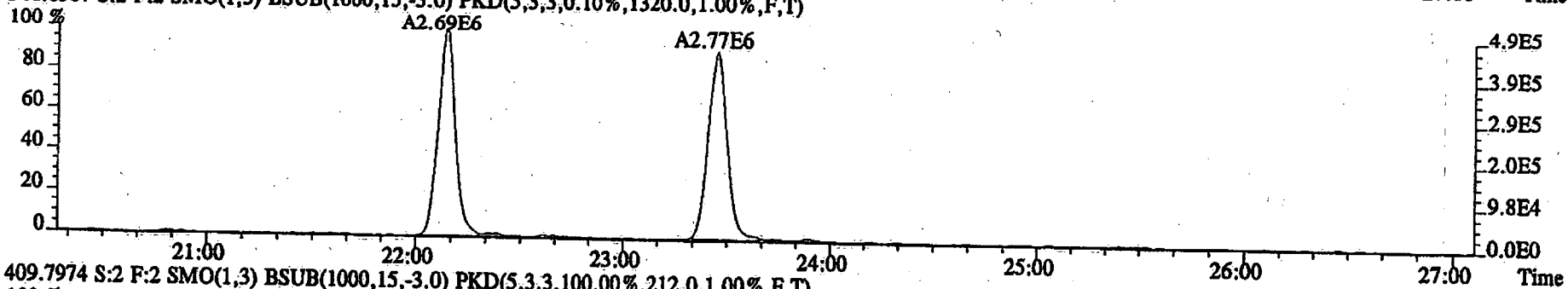
File:09DE049D5 #1-544 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



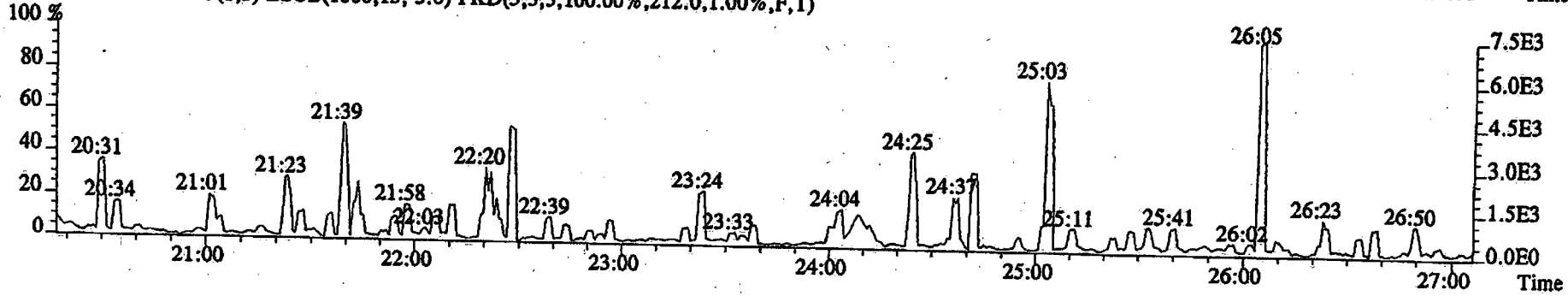
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,212.0,1.00%,F,T)



1195

STL Edison

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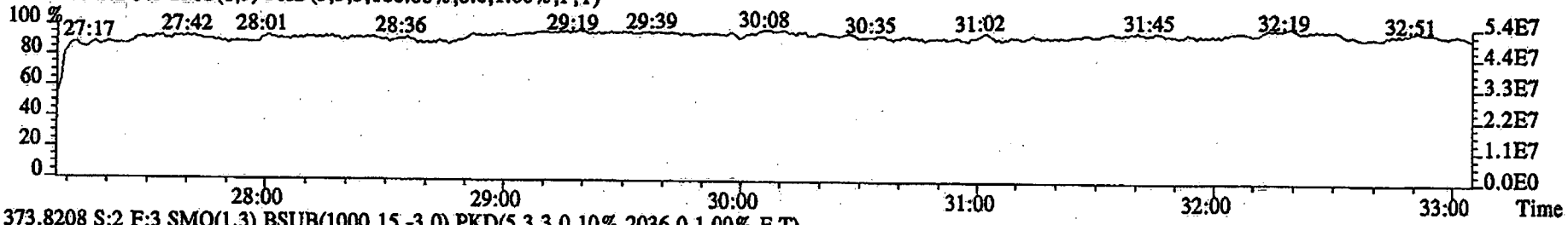
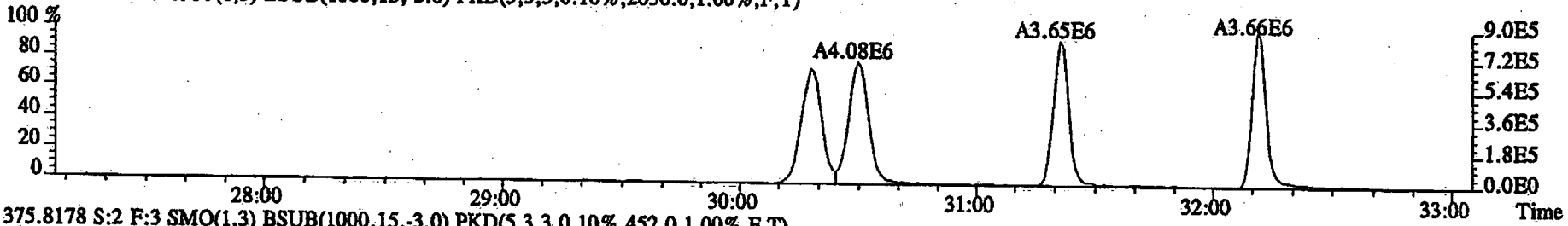
File:09DE049D5 #1-452 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A CS3 2416-23B Exp:DIOXIN

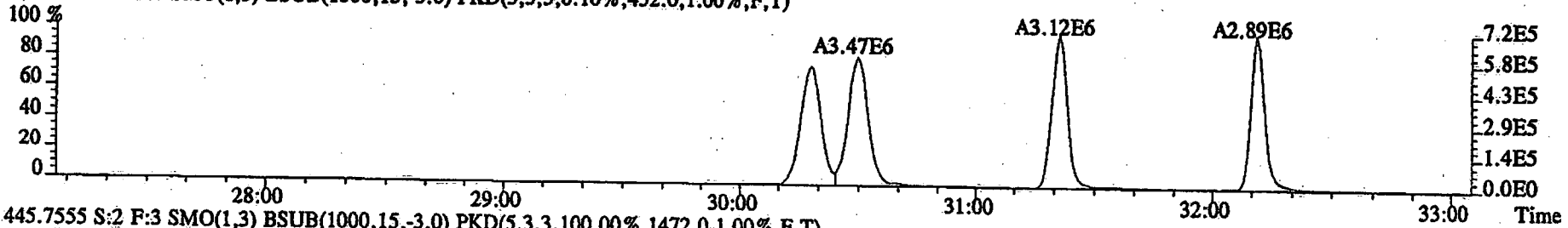
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



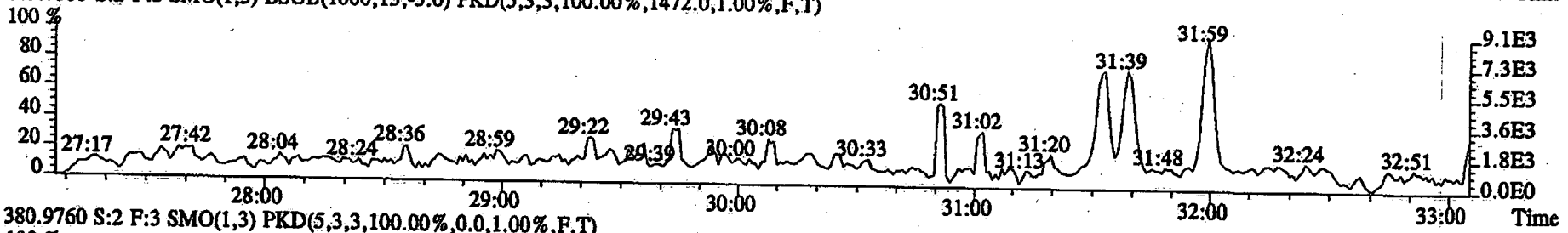
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2036.0,1.00%,F,T)



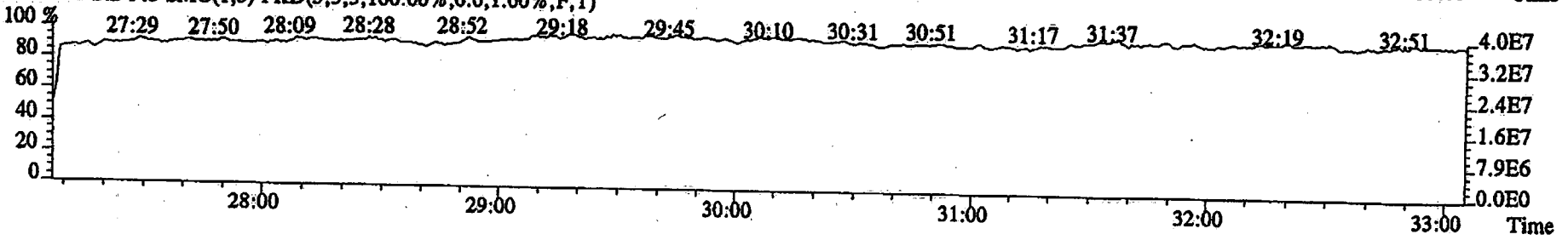
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1472.0,1.00%,F,T)



380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



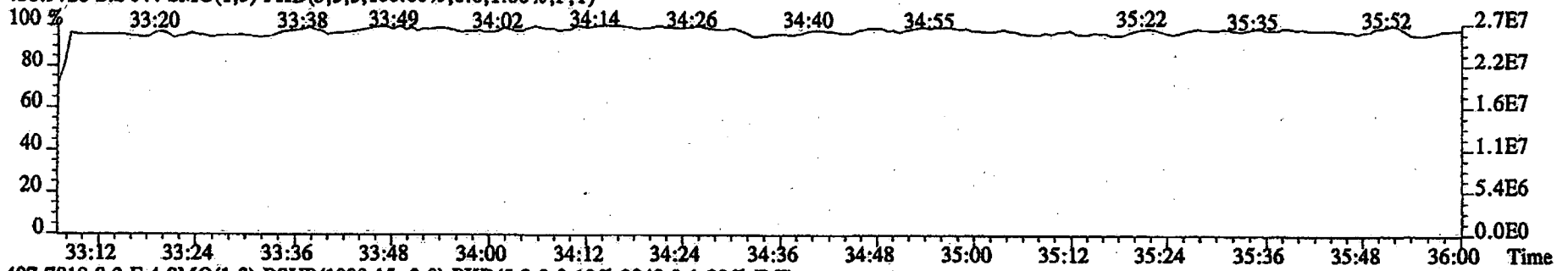
1196

STL Edison

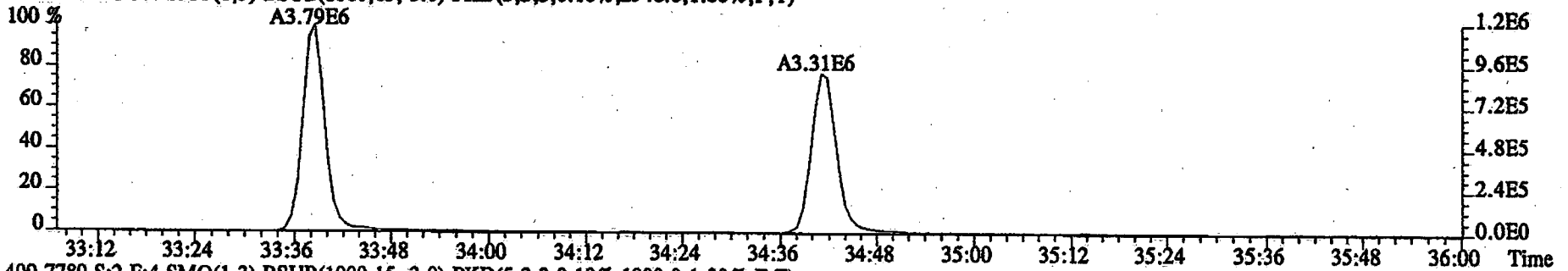
U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN

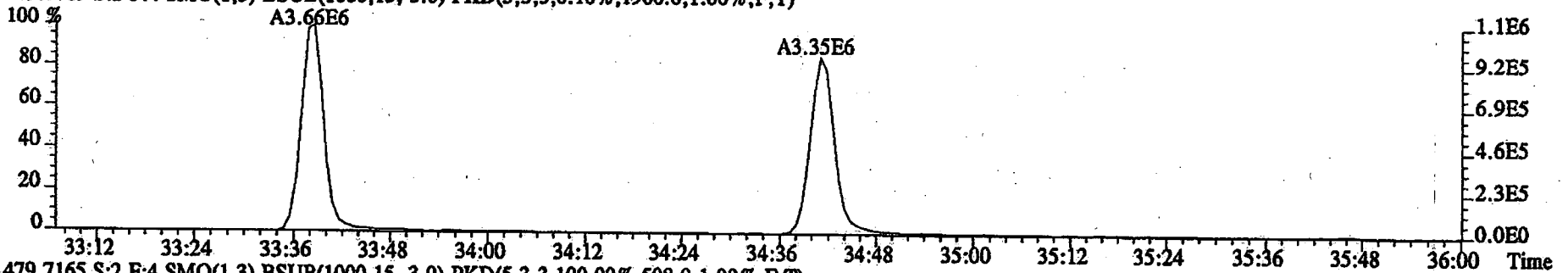
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



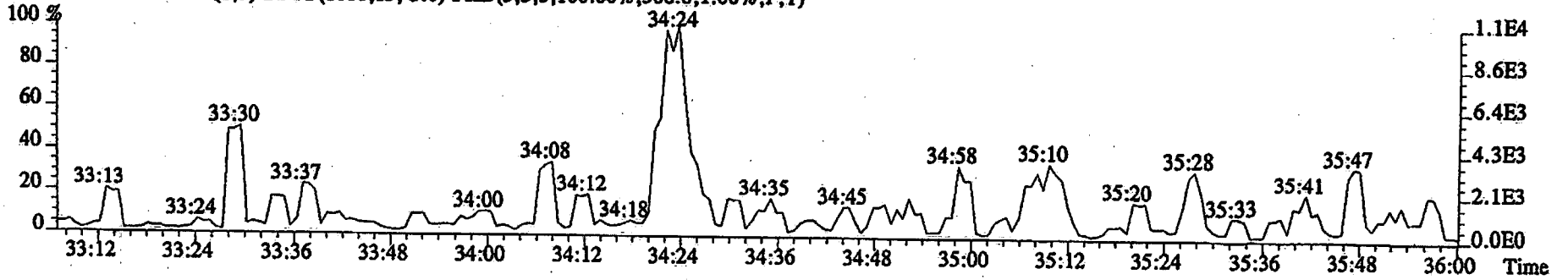
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1900.0,1.00%,F,T)



479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,508.0,1.00%,F,T)



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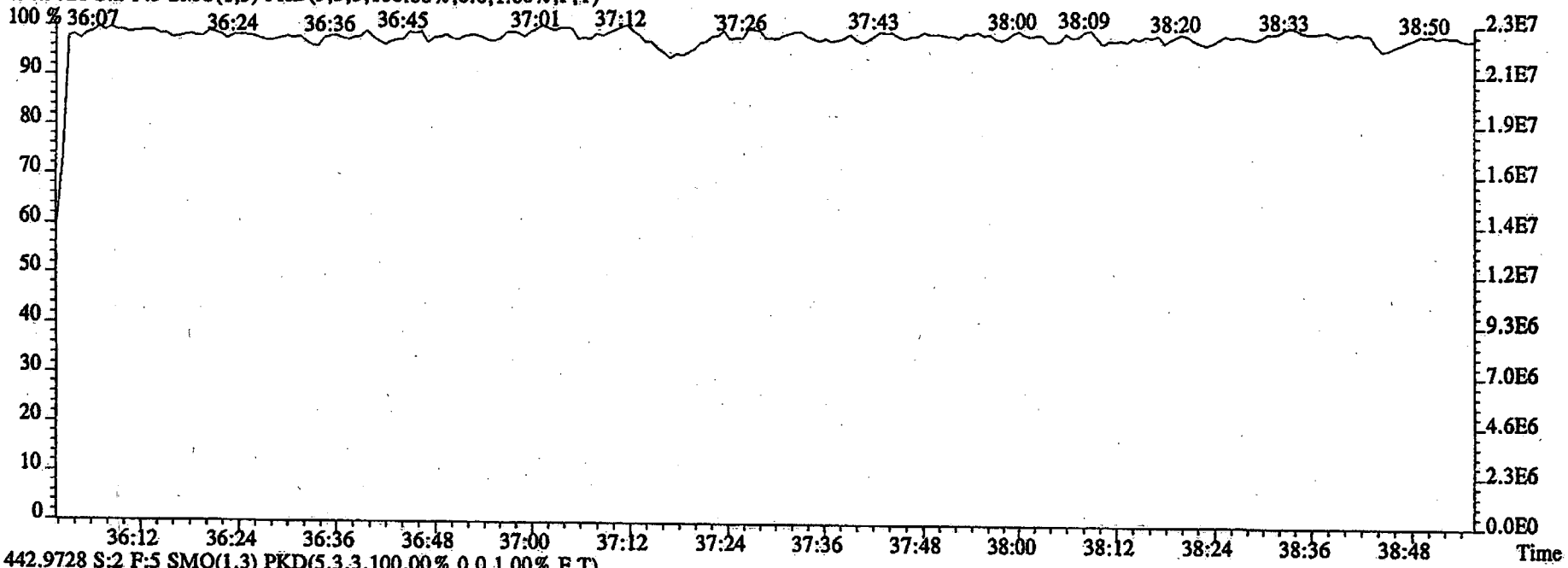
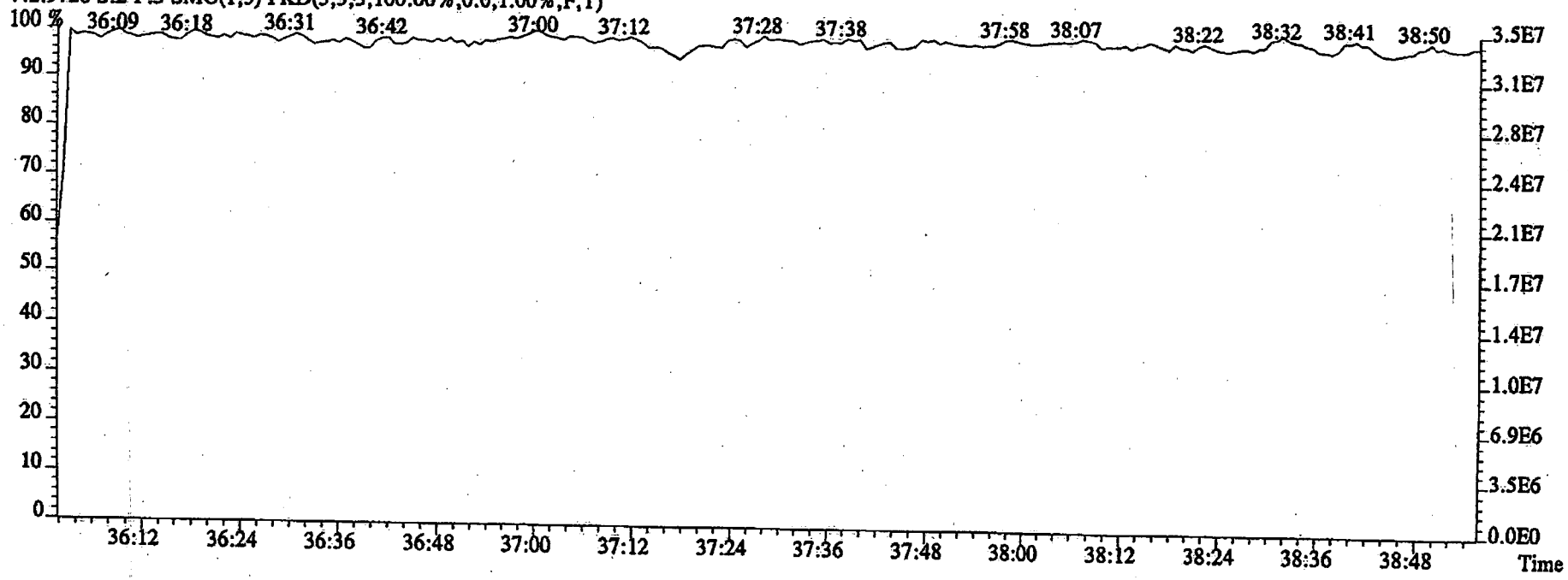
STL Edison

U855

File:09DE049D5 #1-235 Acq: 9-DEC-2004 14:24:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST1209A :CS3 2416-23B Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



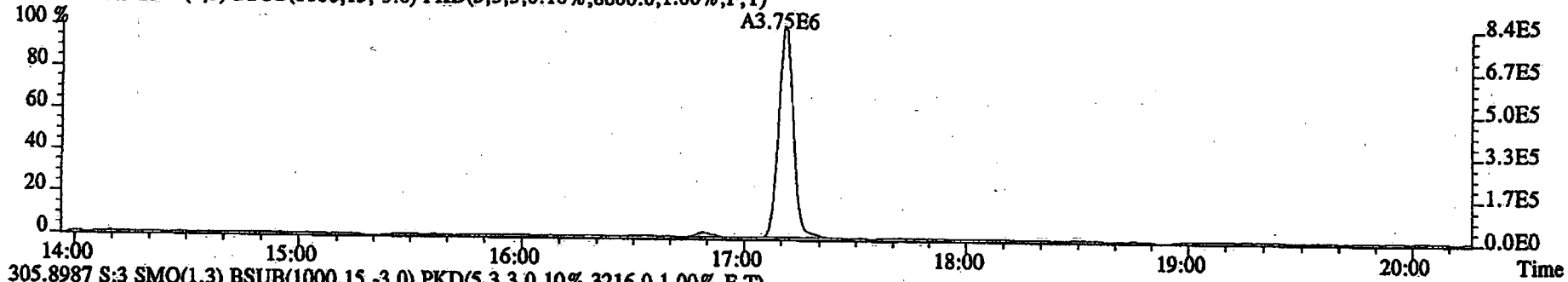
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



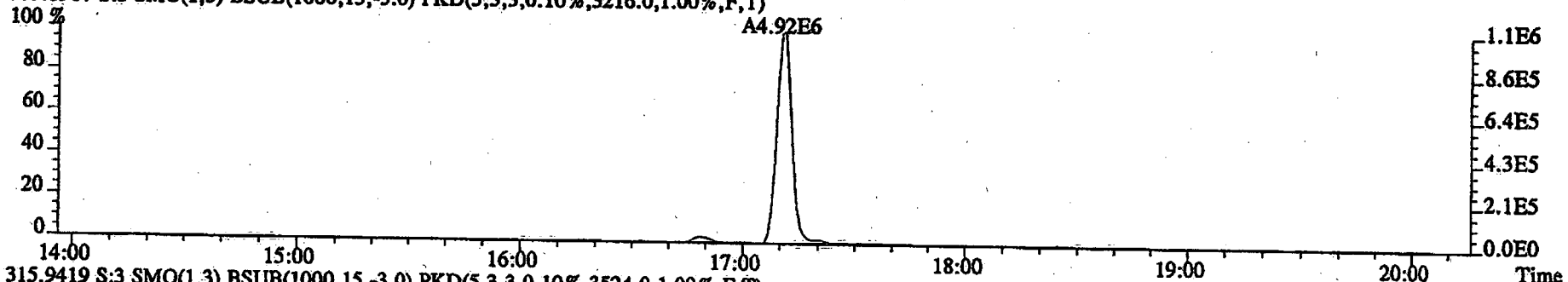
1198
STL Edison
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

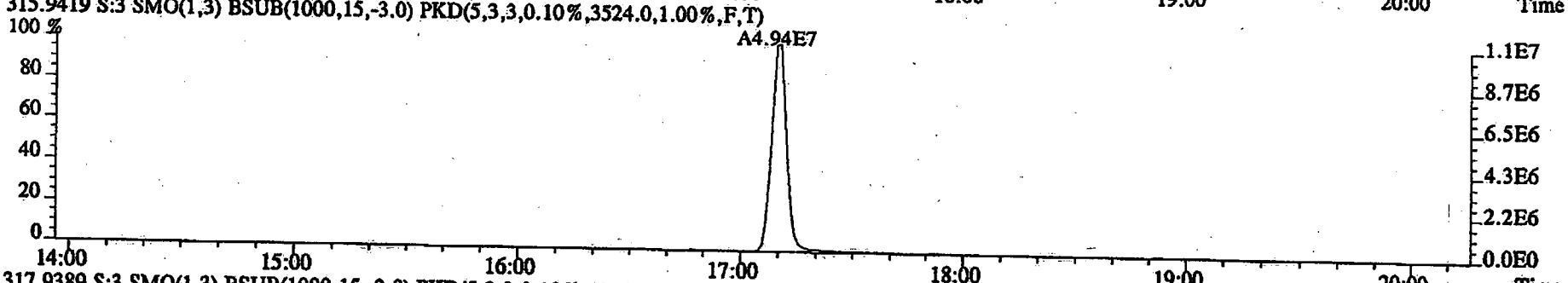
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8600.0,1.00%,F,T)



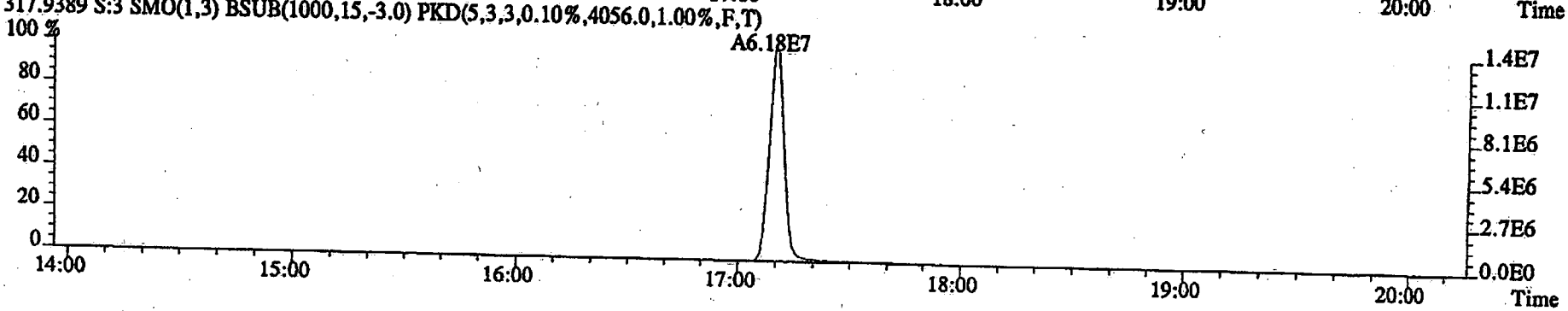
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4056.0,1.00%,F,T)



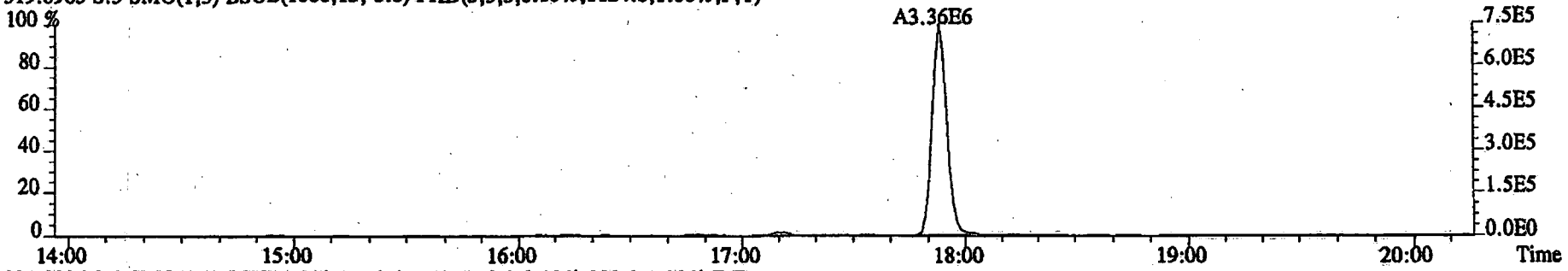
1199

STL Edison

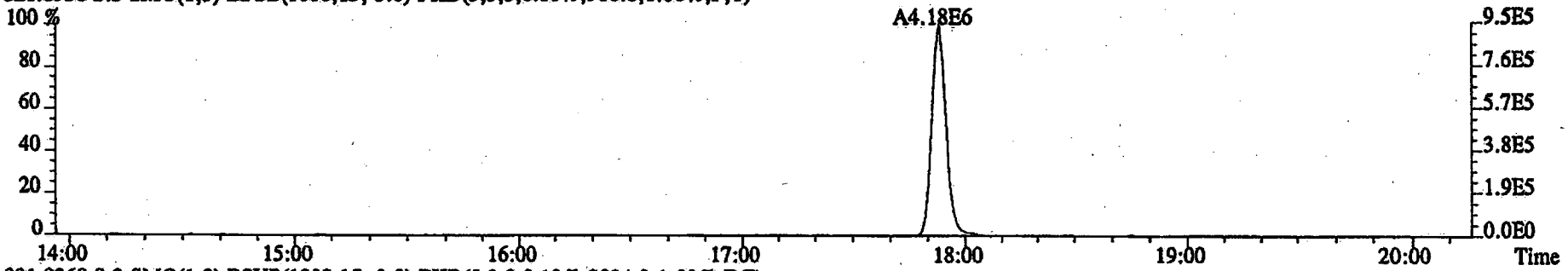
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

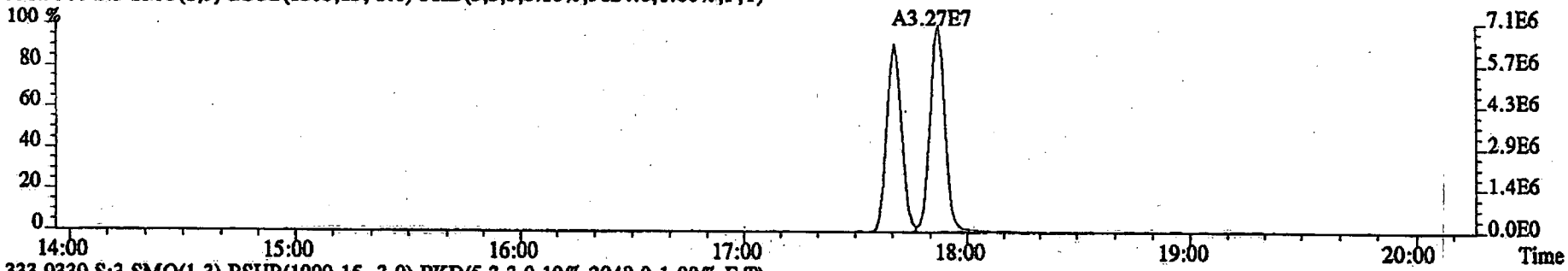
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1124.0,1.00%,F,T)



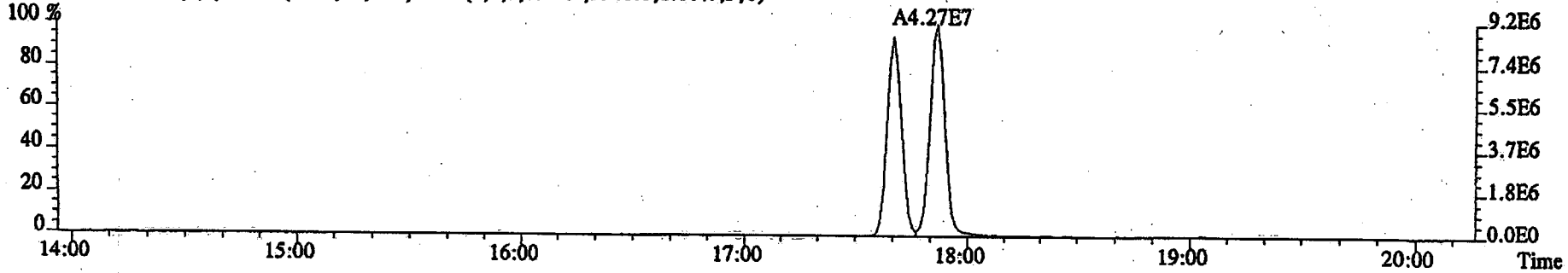
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,980.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9824.0,1.00%,F,T)



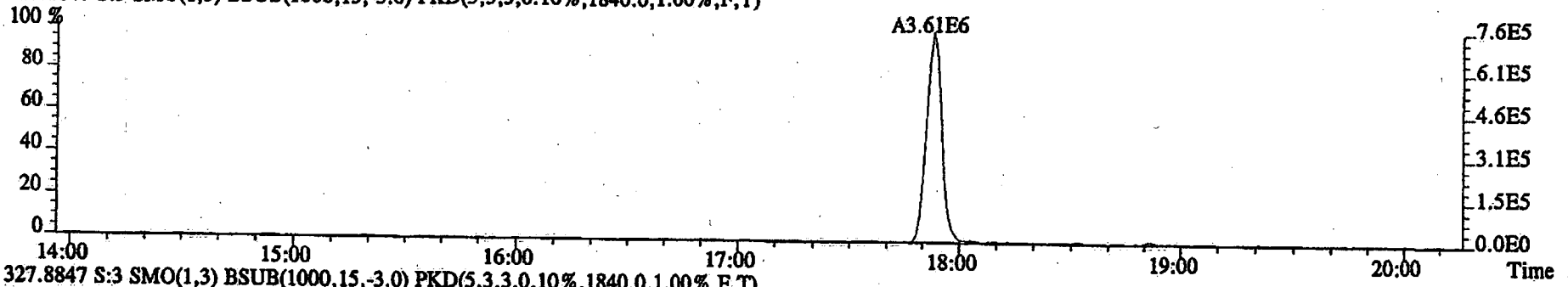
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3948.0,1.00%,F,T)



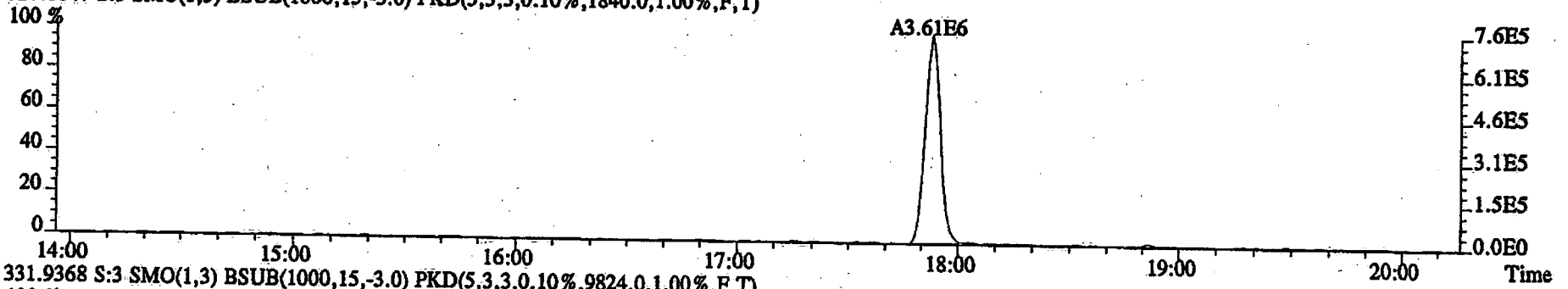
1200
STL Edison
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

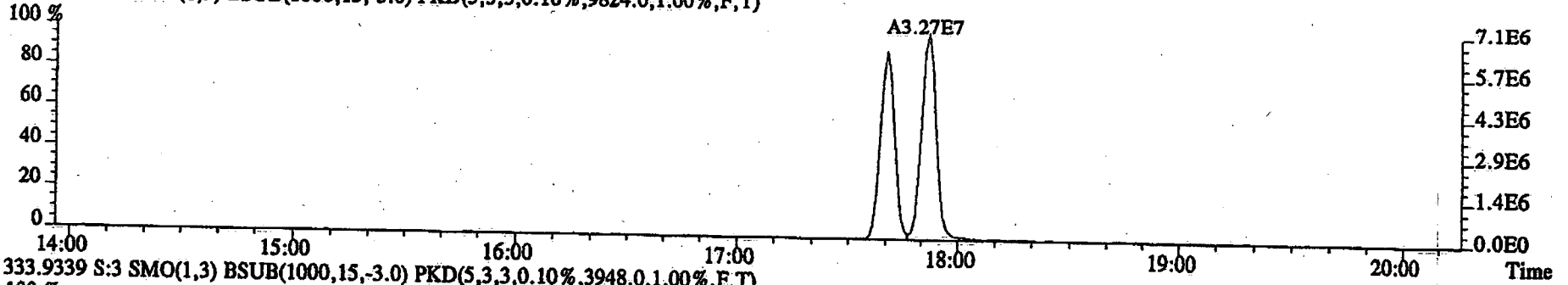
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1840.0,1.00%,F,T)



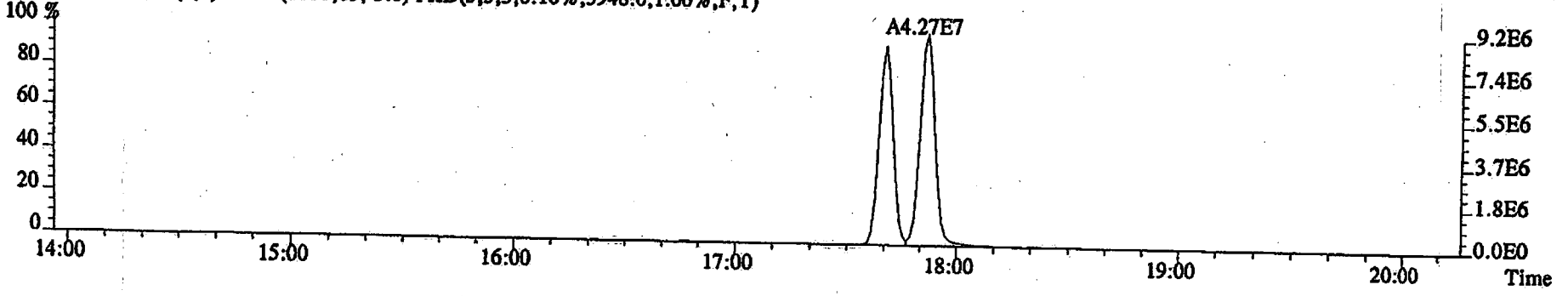
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1840.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9824.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3948.0,1.00%,F,T)



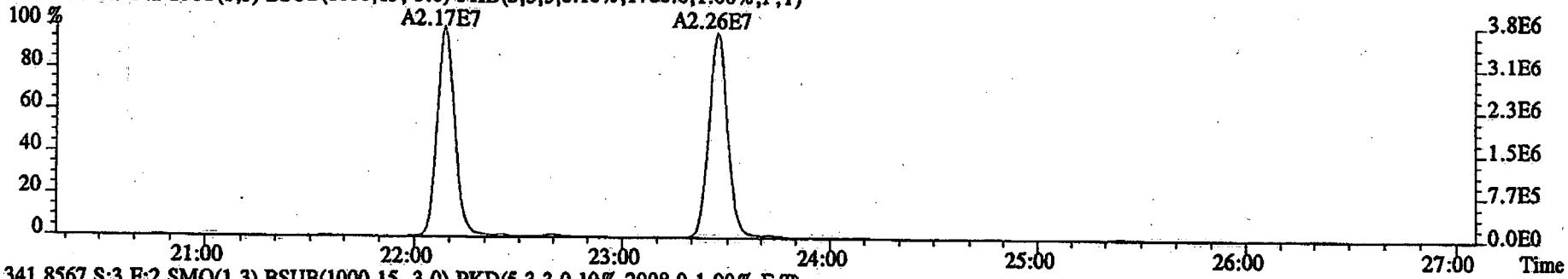
1201

STL Edison

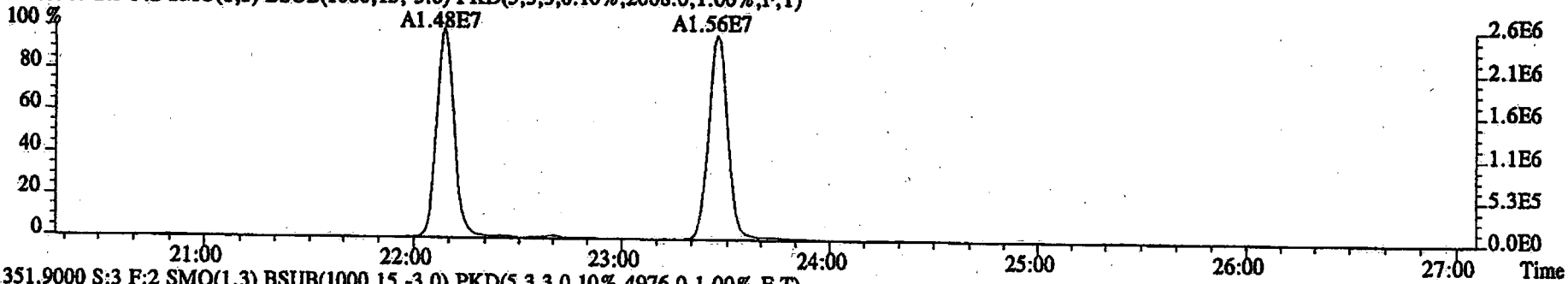
U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

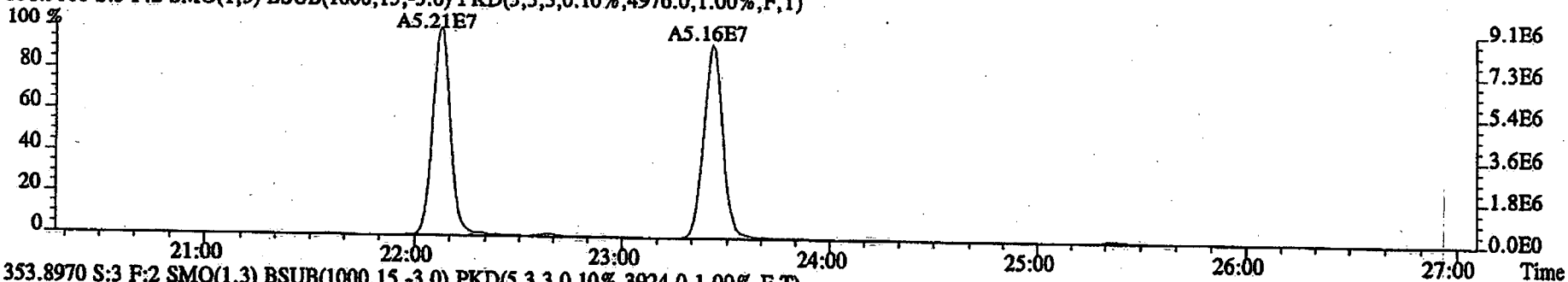
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



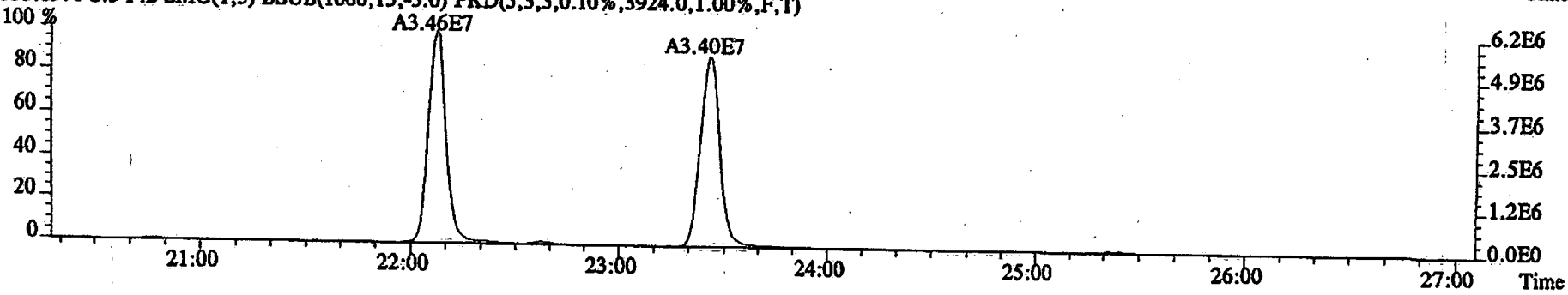
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4976.0,1.00%,F,T)



353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3924.0,1.00%,F,T)



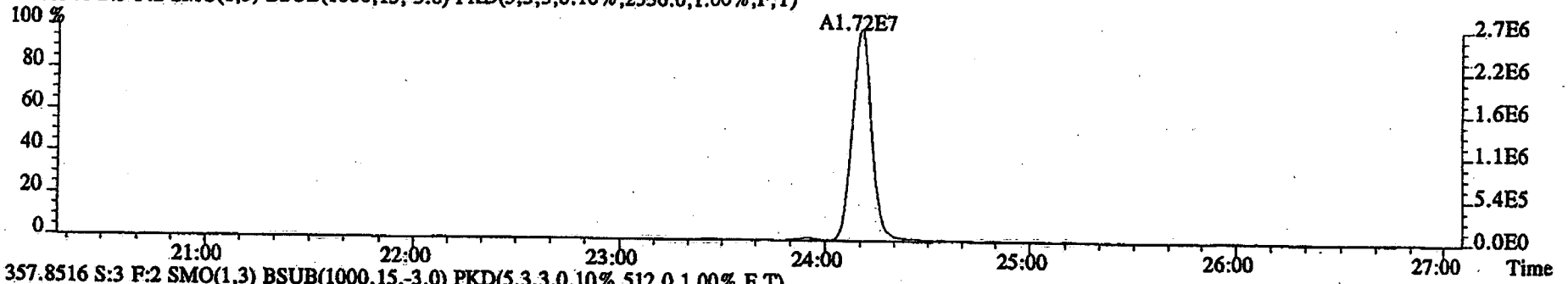
1202

STL Edison

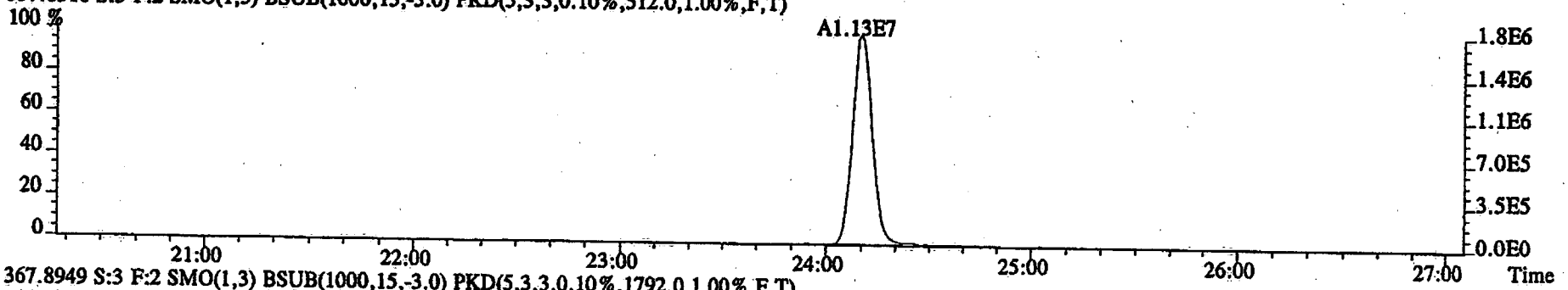
U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

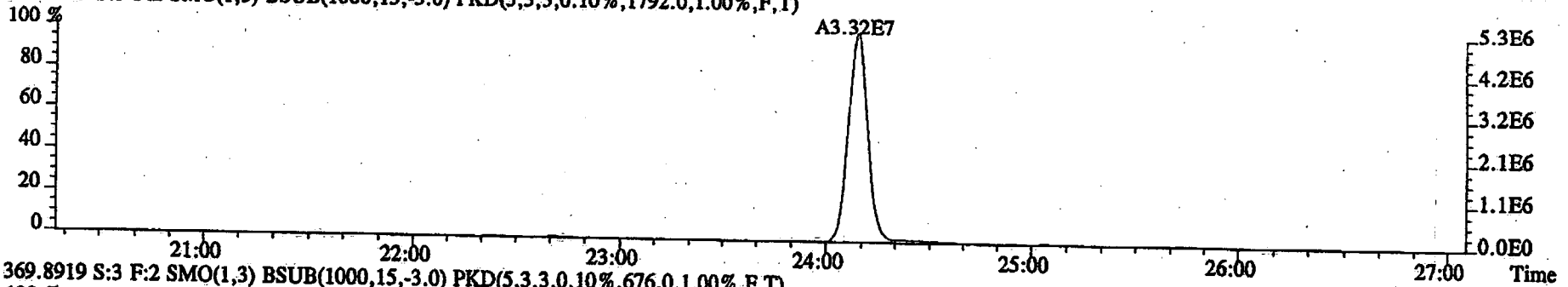
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336.0,1.00%,F,T)



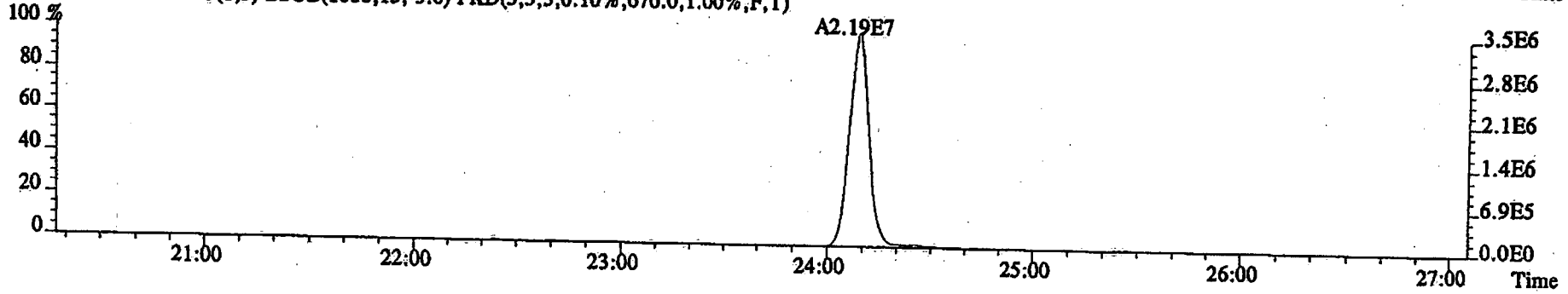
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,512.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1792.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)

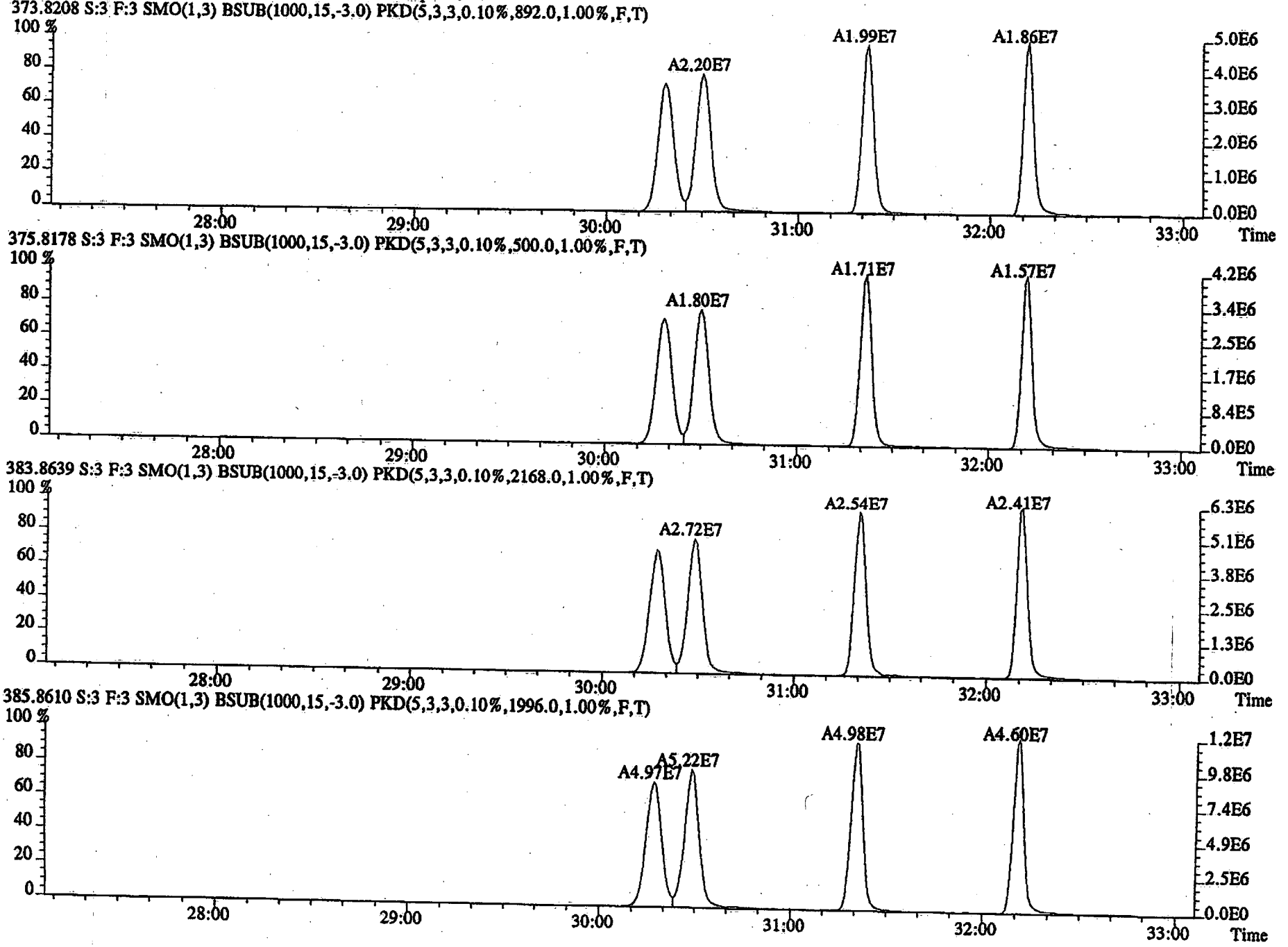


1203

STL Edison

U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN



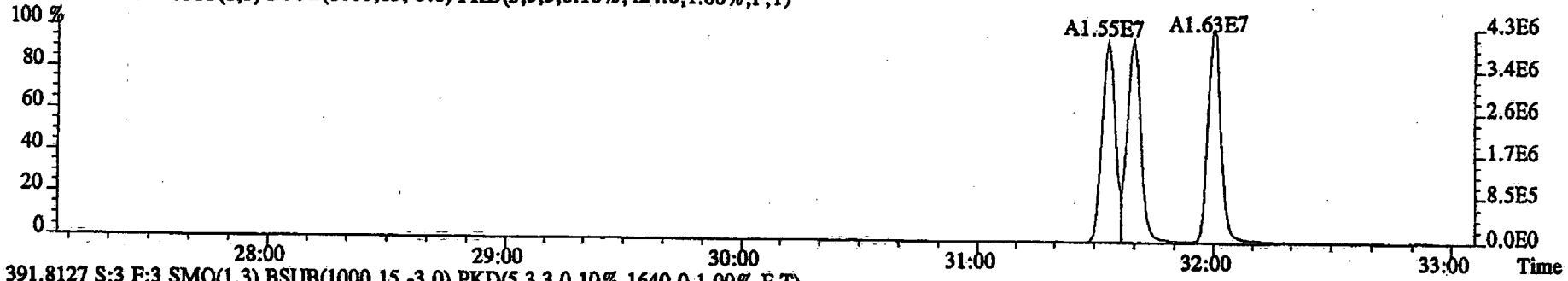
1204

STL Edison

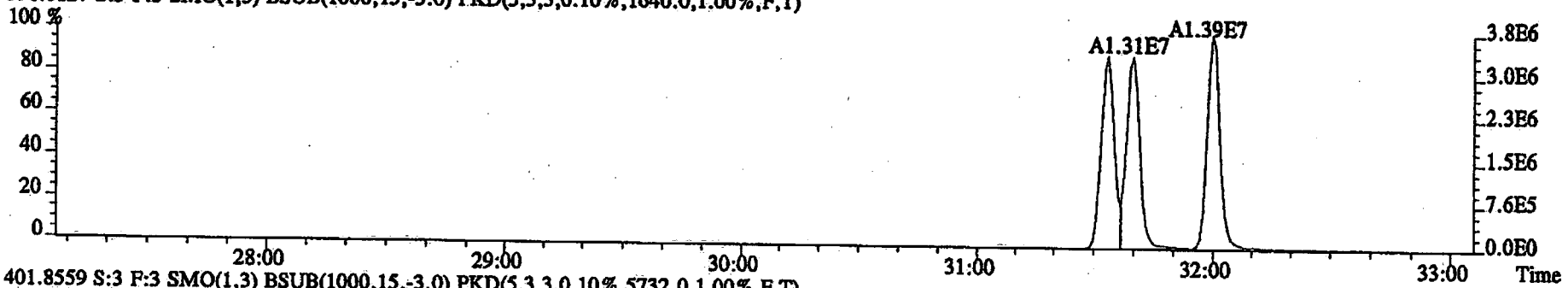
U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

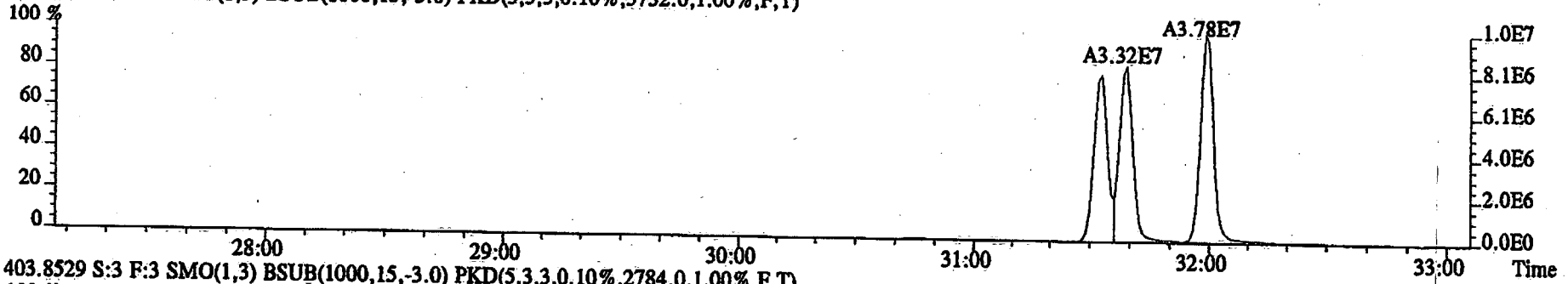
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,424.0,1.00%,F,T)



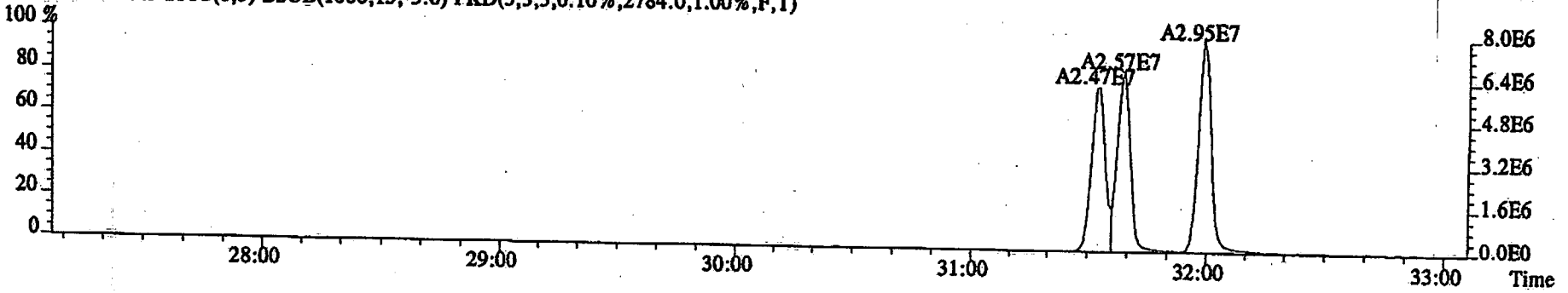
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1640.0,1.00%,F,T)



401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5732.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2784.0,1.00%,F,T)

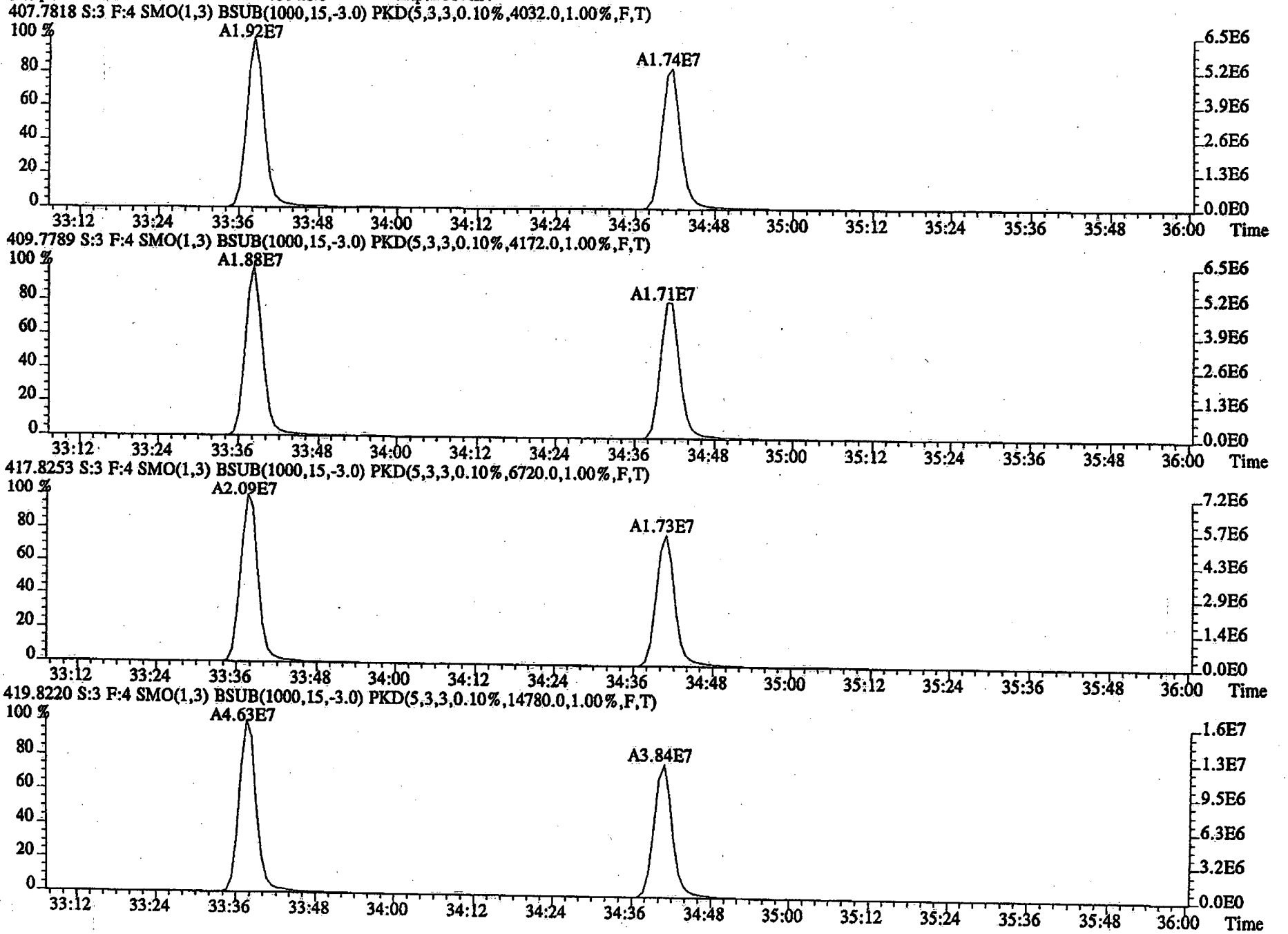


1205

STL Edison

U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN



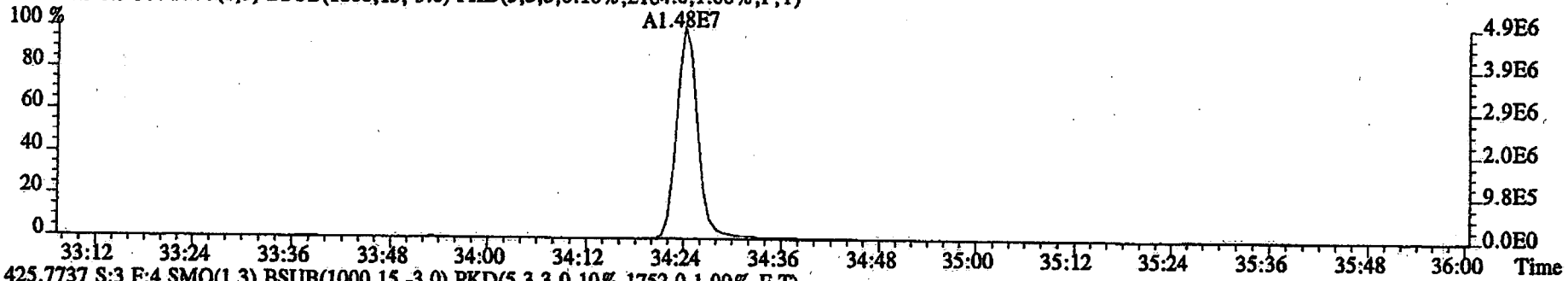
1206

STL Edison

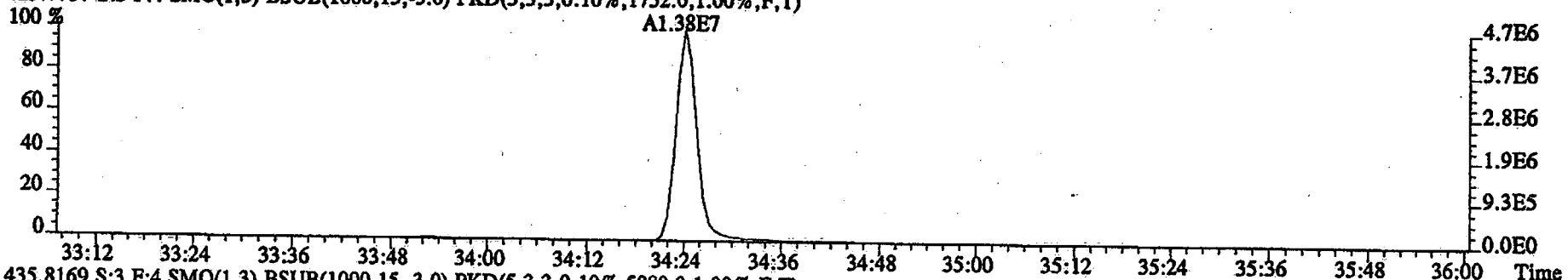
U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

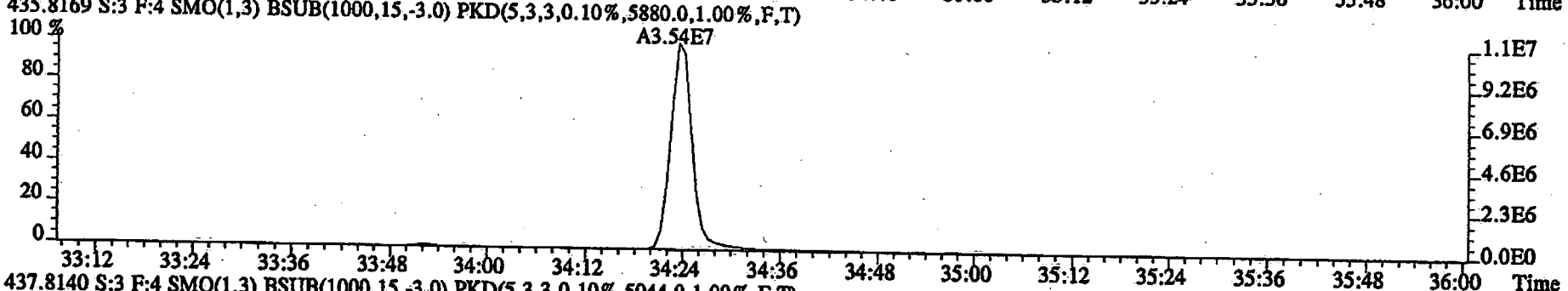
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)



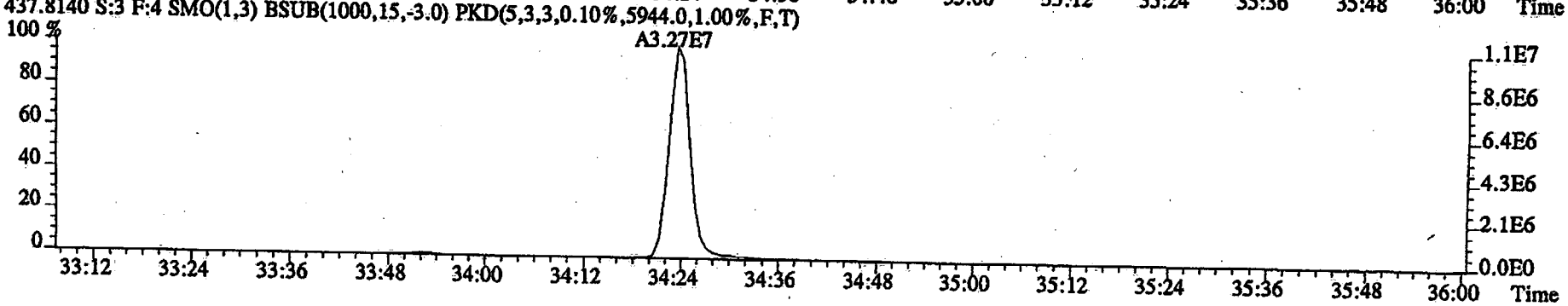
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1752.0,1.00%,F,T)



435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5880.0,1.00%,F,T)

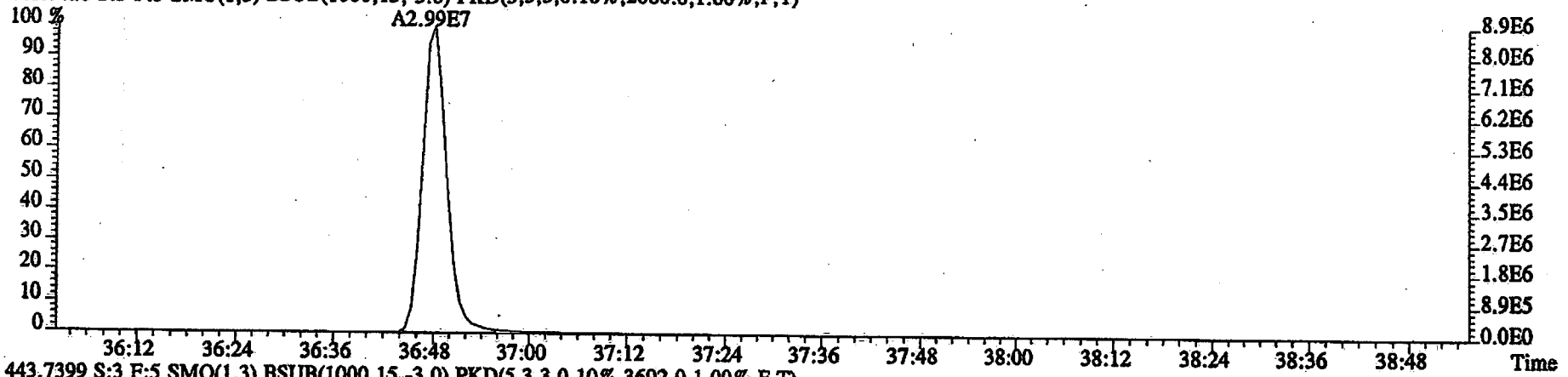


437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5944.0,1.00%,F,T)

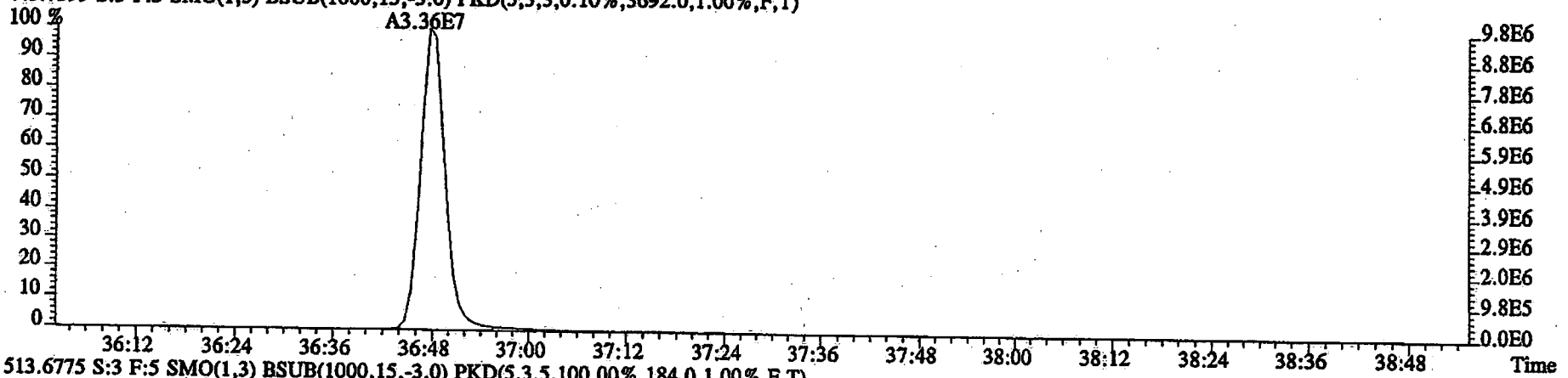


1207
STL Edison
U855

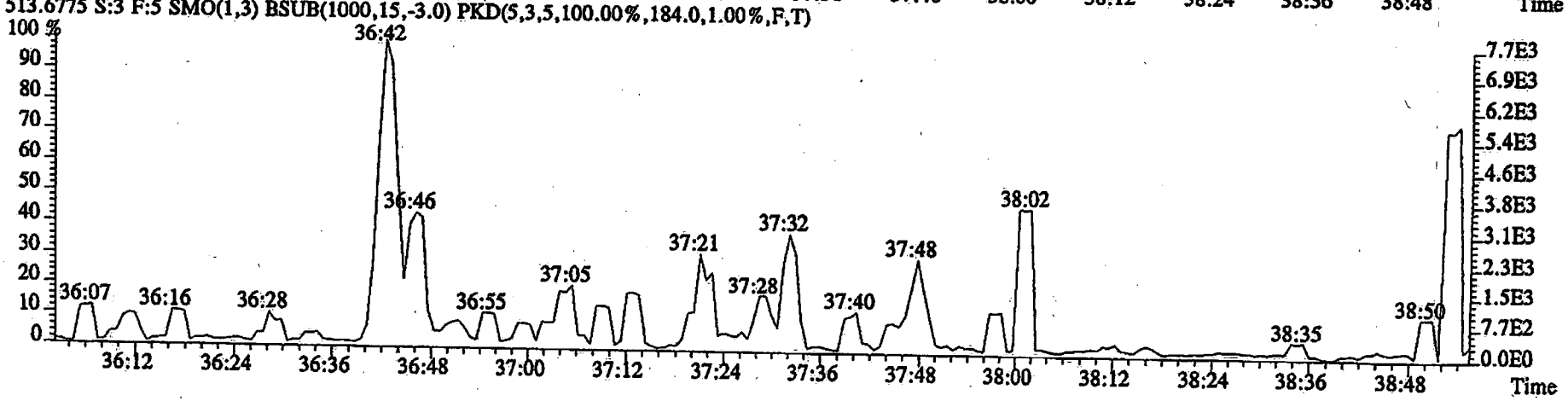
File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3692.0,1.00%,F,T)



513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,184.0,1.00%,F,T)



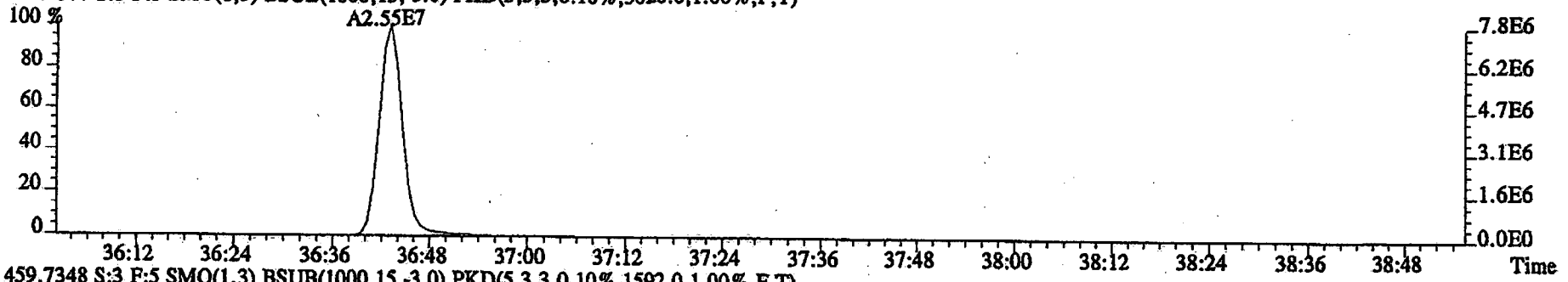
1208

STL Edison

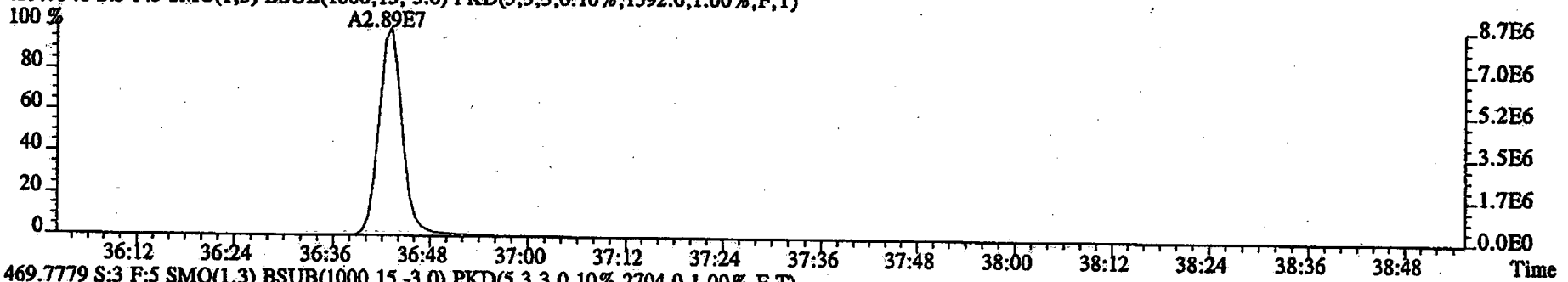
U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

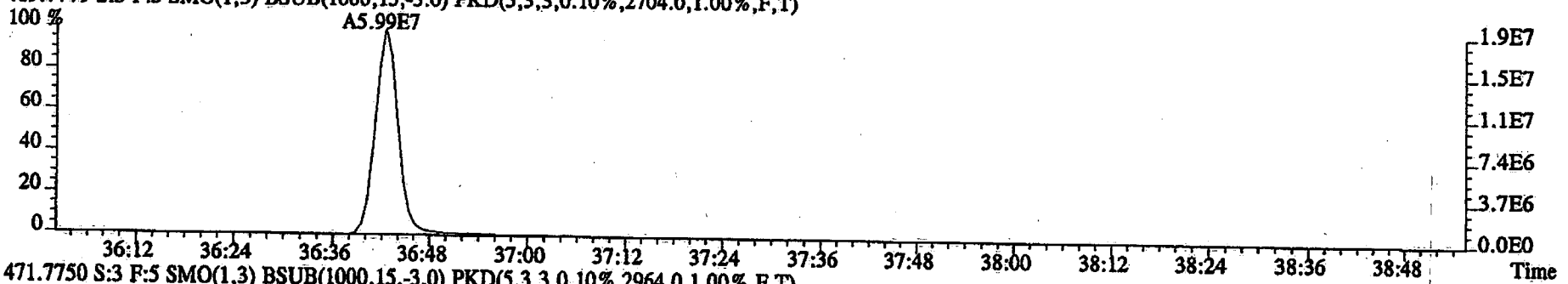
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020.0,1.00%,F,T)



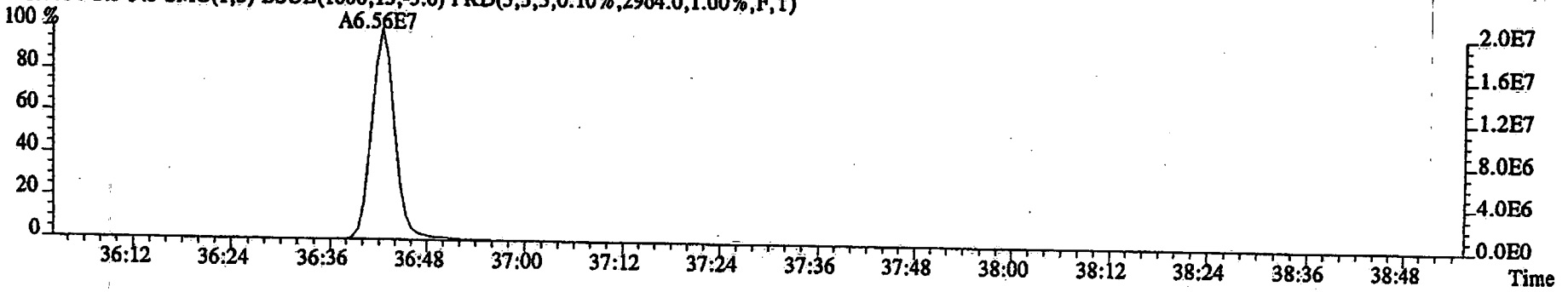
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2964.0,1.00%,F,T)



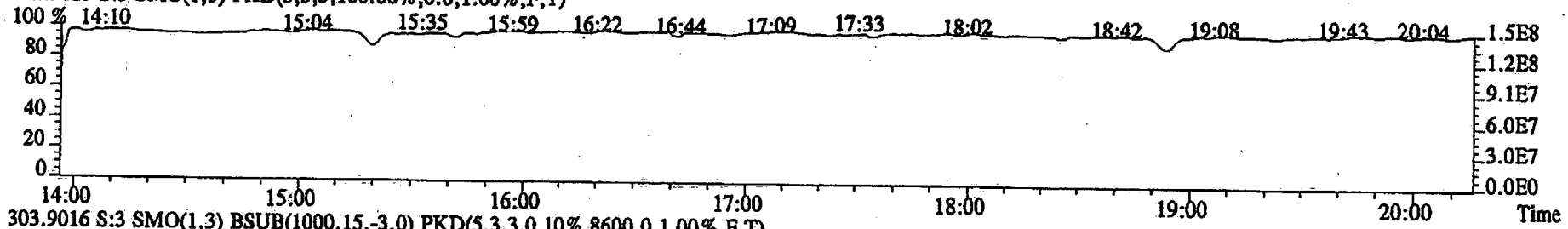
1209

STL Edison

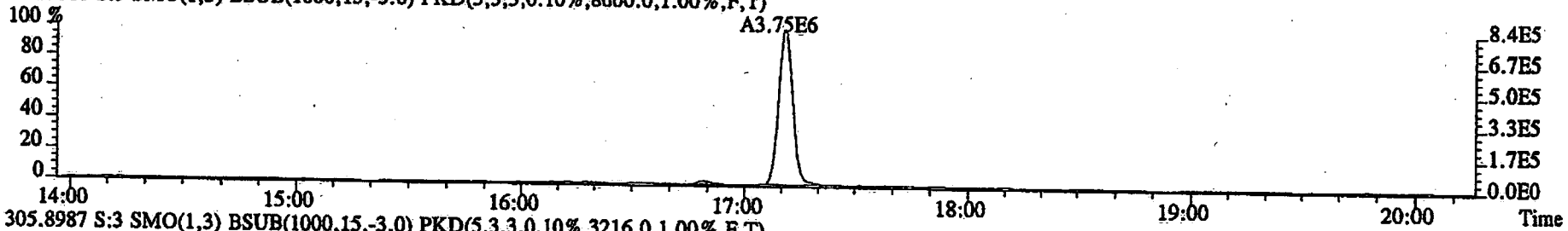
U855

File:09DE049D5 #1-394 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

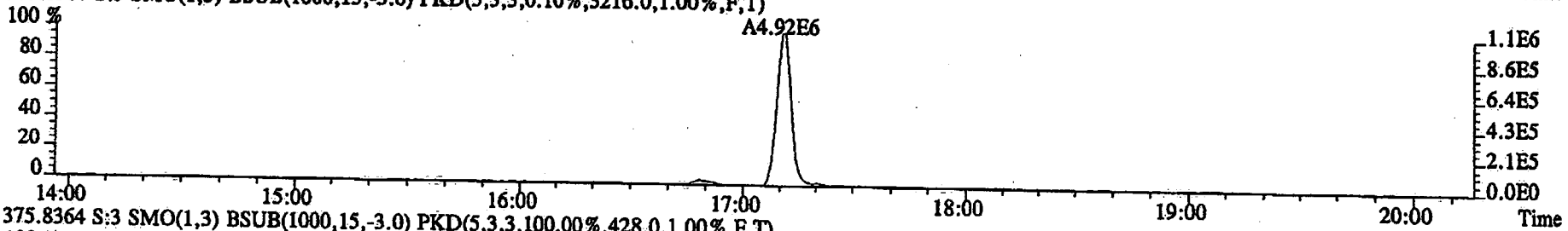
292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



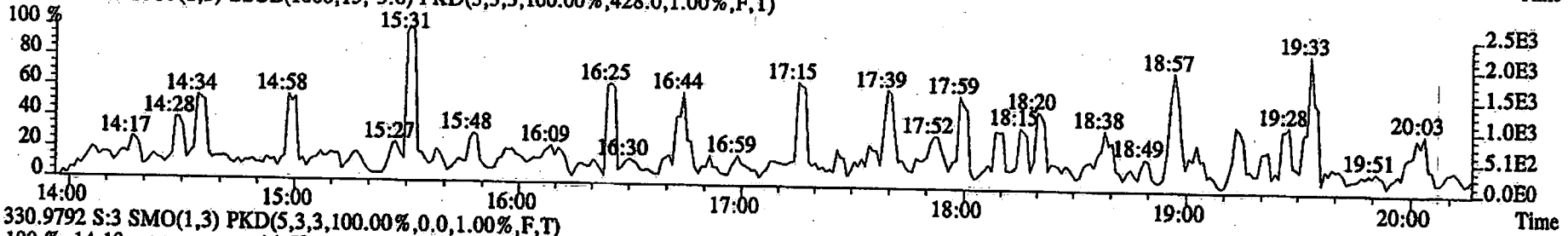
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8600.0,1.00%,F,T)



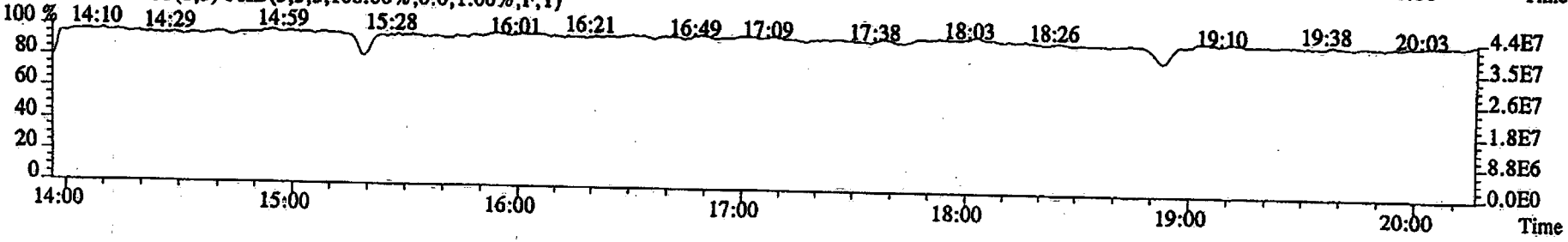
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216.0,1.00%,F,T)



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,428.0,1.00%,F,T)



330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

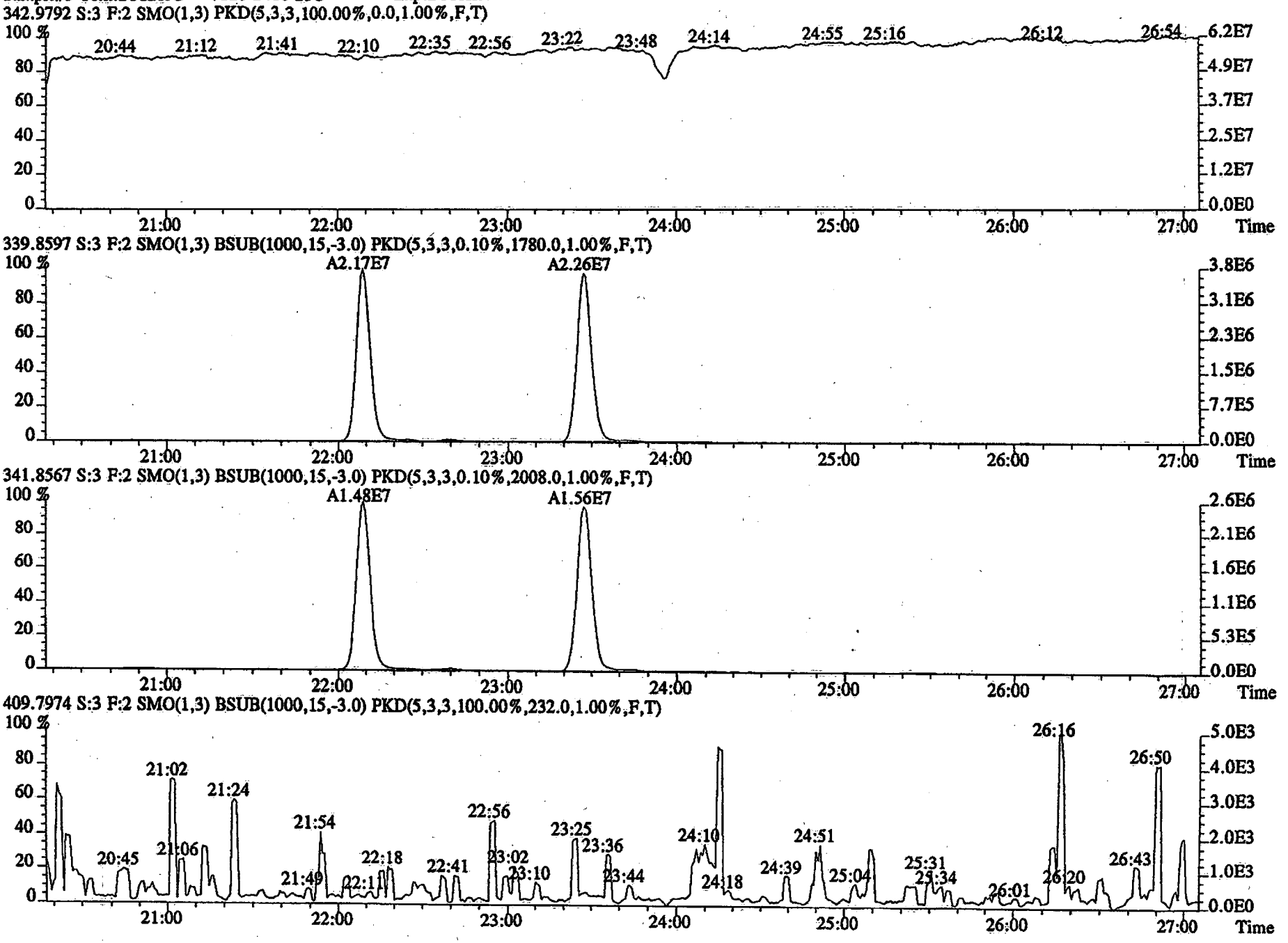


1210

STL Edison

U855

File:09DE049D5 #1-543 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

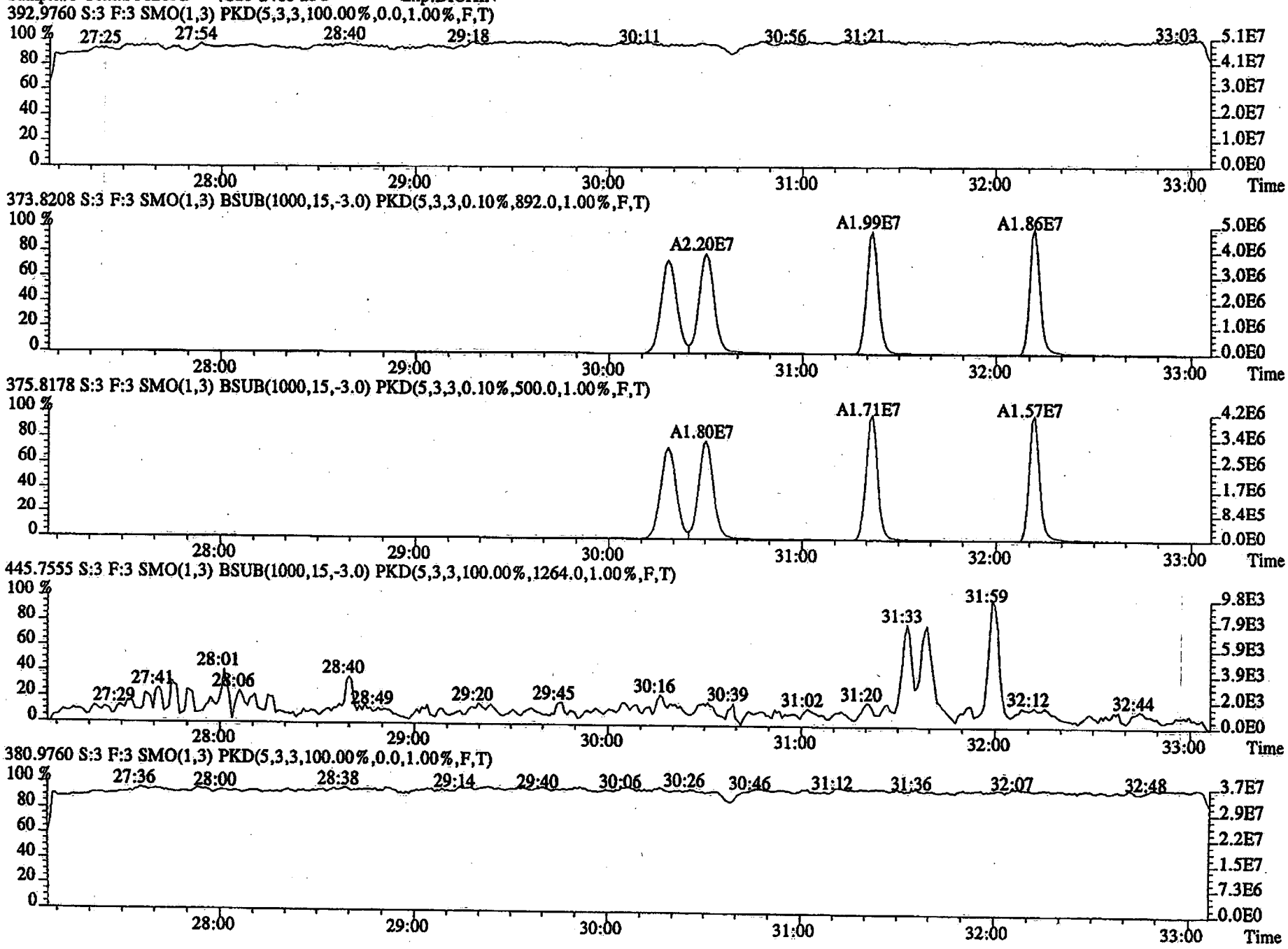


1211

STL Edison

U855

File:09DE049D5 #1-453 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN



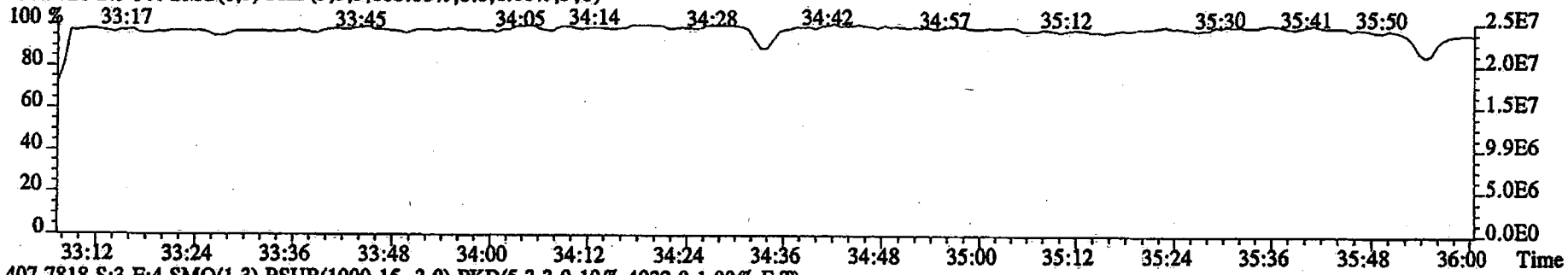
1212

STL Edison

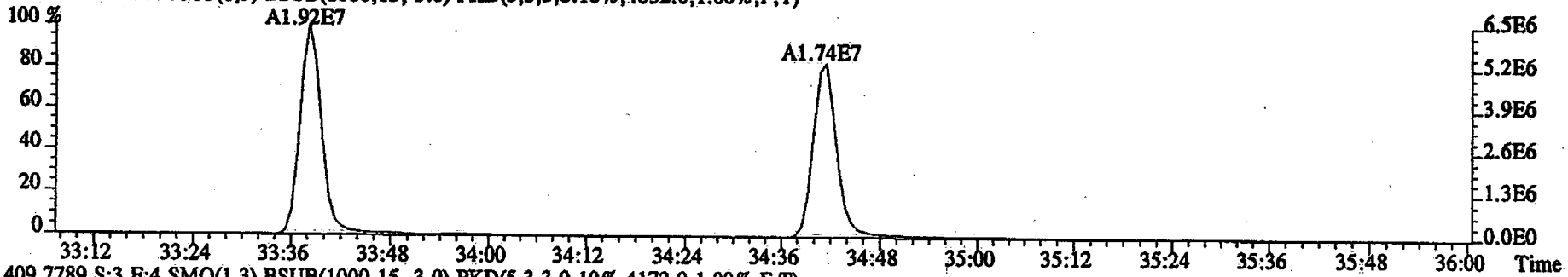
U855

File:09DE049D5 #1-231 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN

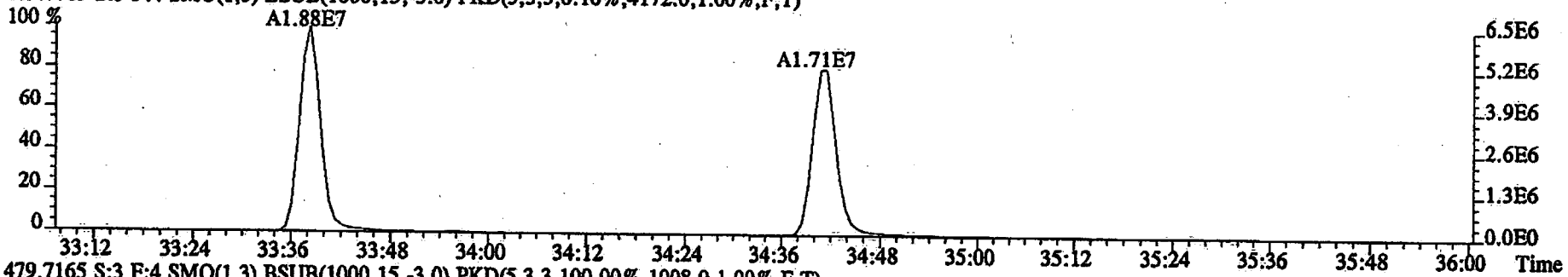
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



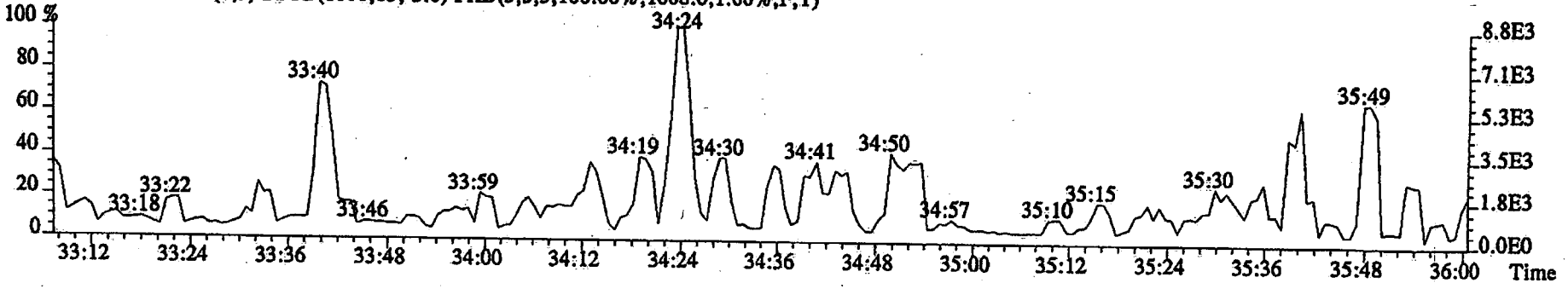
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4032.0,1.00%,F,T)



409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4172.0,1.00%,F,T)



479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1008.0,1.00%,F,T)

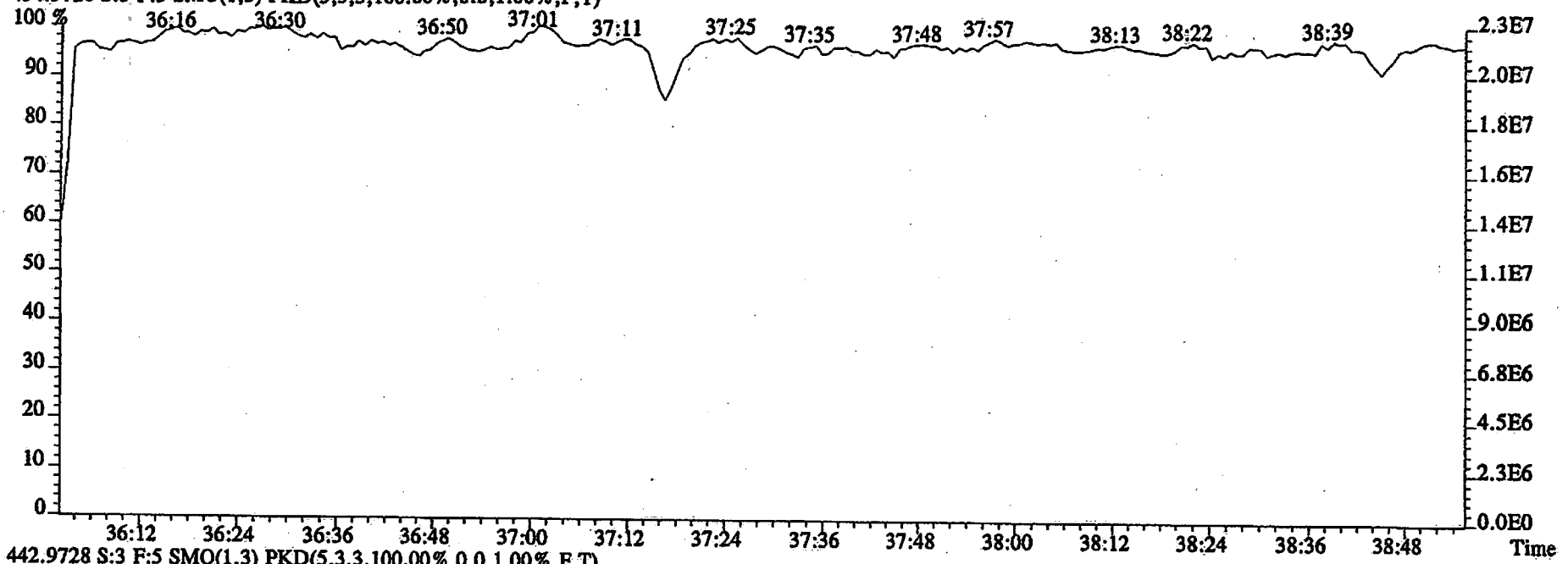


1213

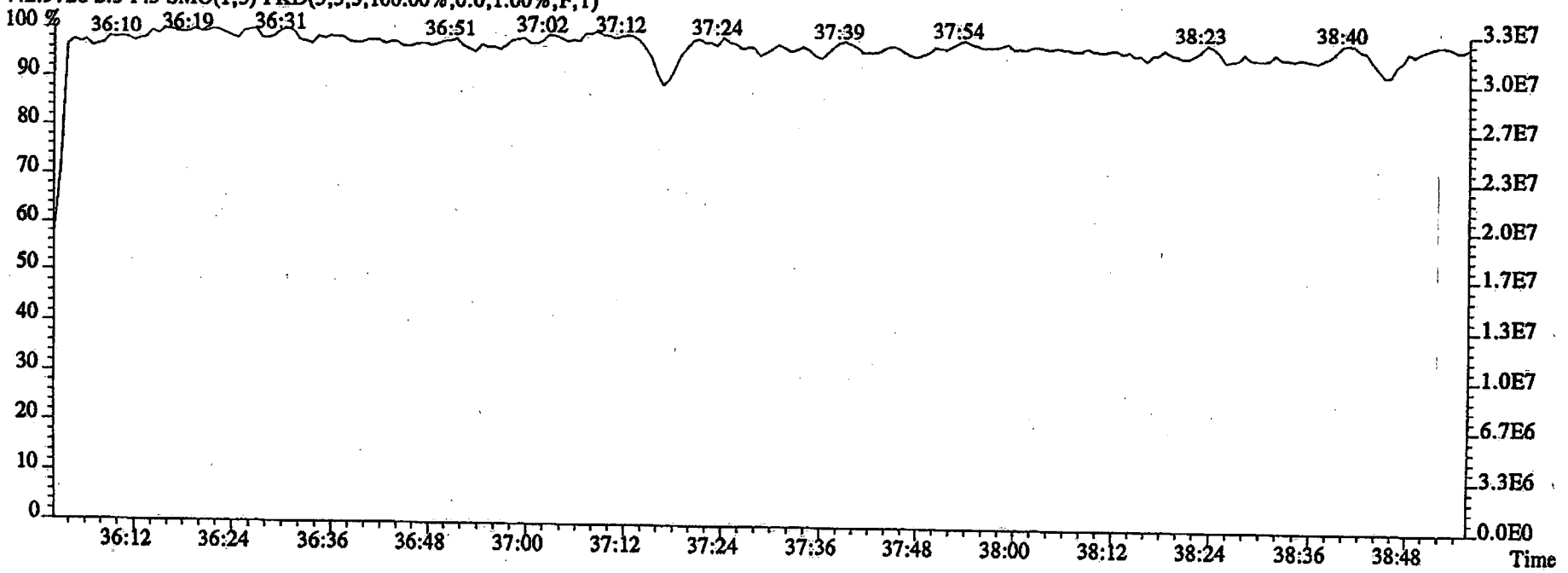
STL Edison

U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:06:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1209B :CS3 2416-23C Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



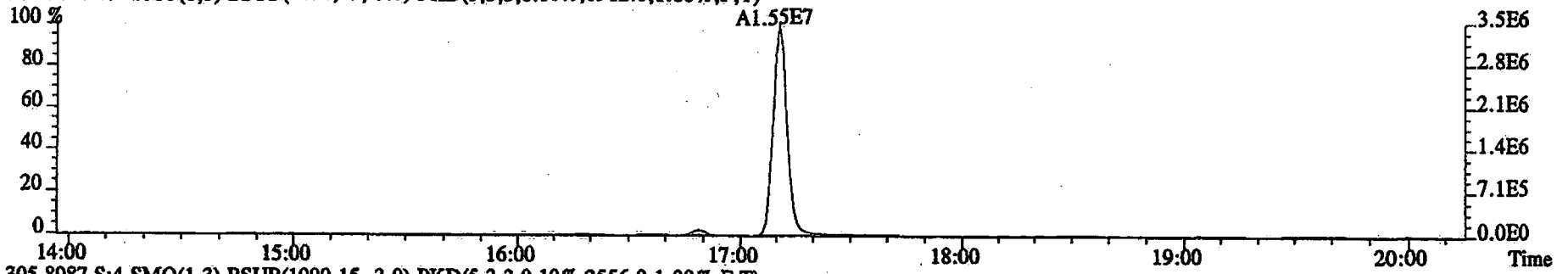
1214

STL Edison

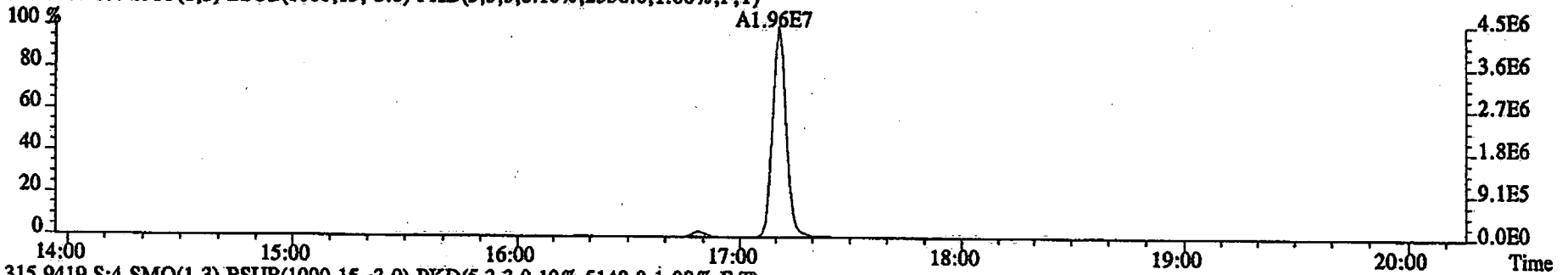
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

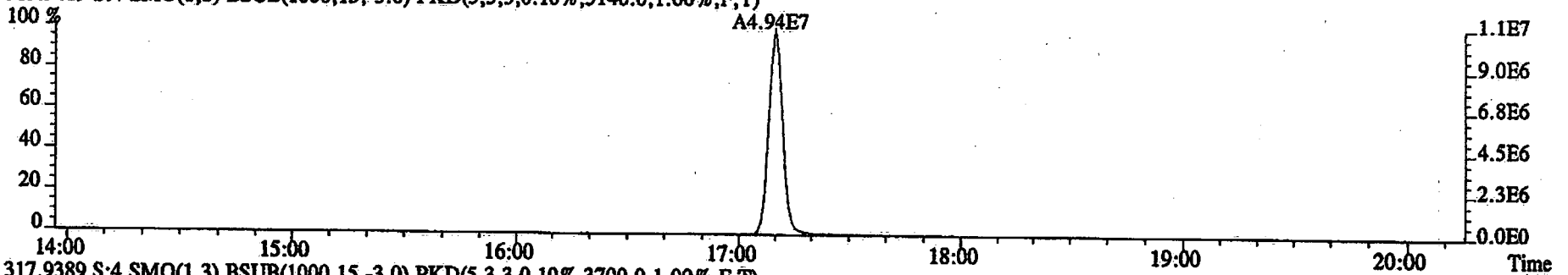
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



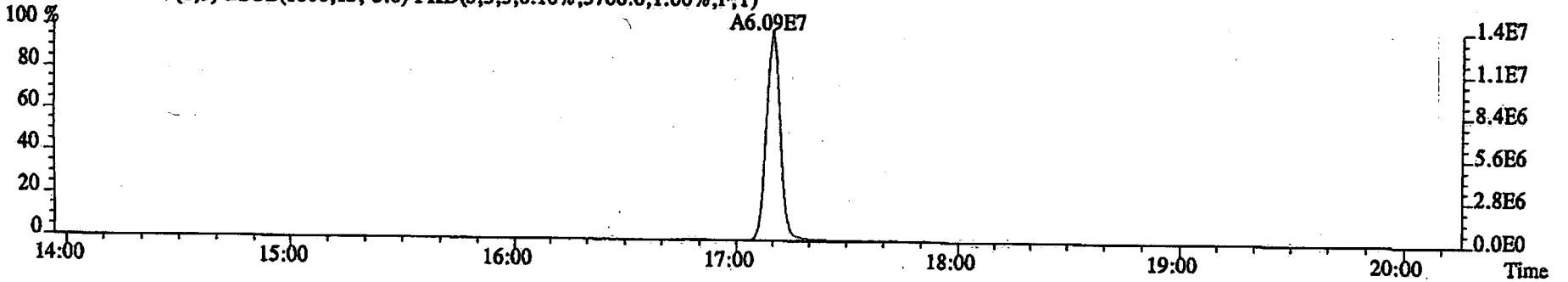
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3700.0,1.00%,F,T)



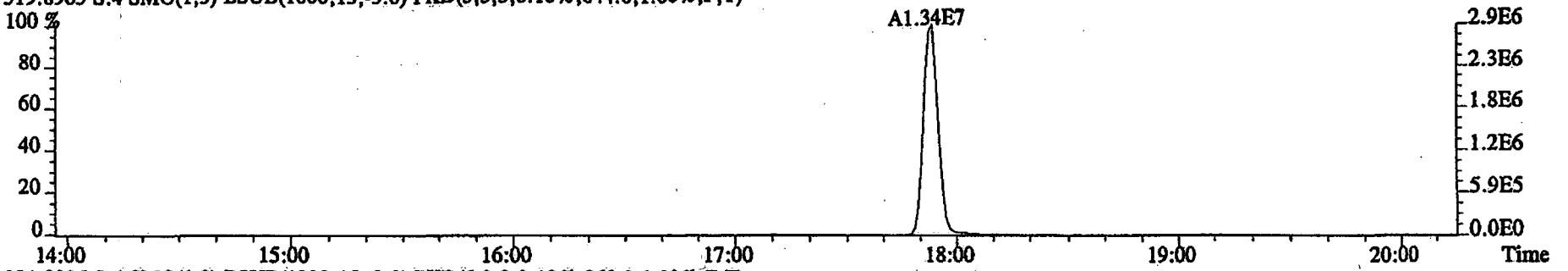
1215

STL Edison

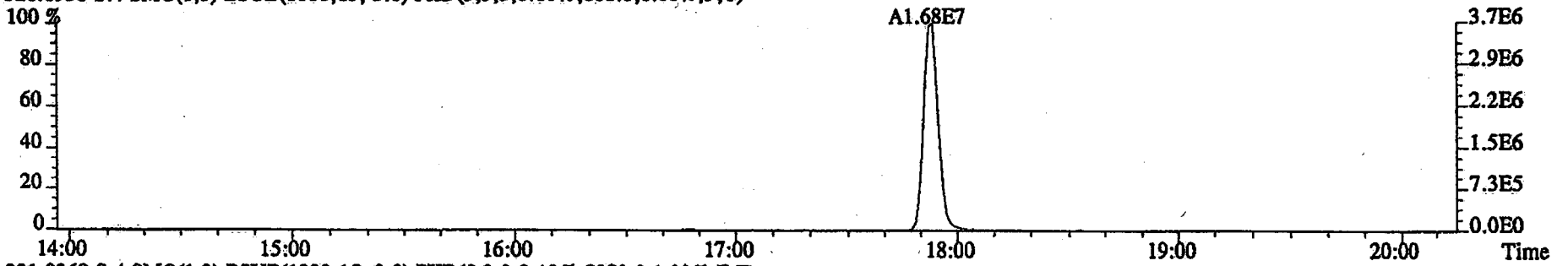
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

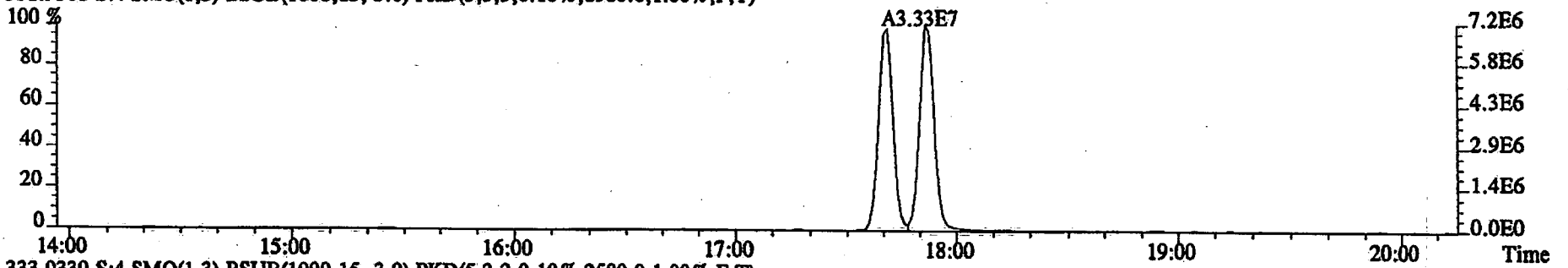
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0,1.00%,F,T)



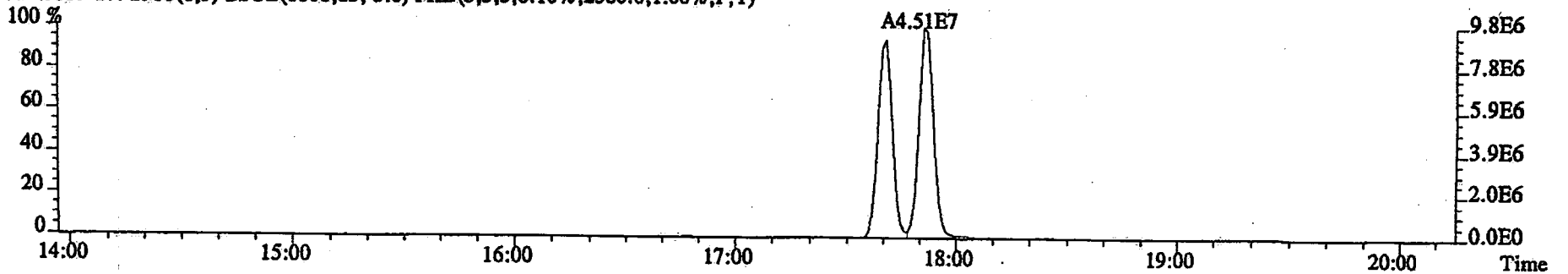
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8980.0,1.00%,F,T)



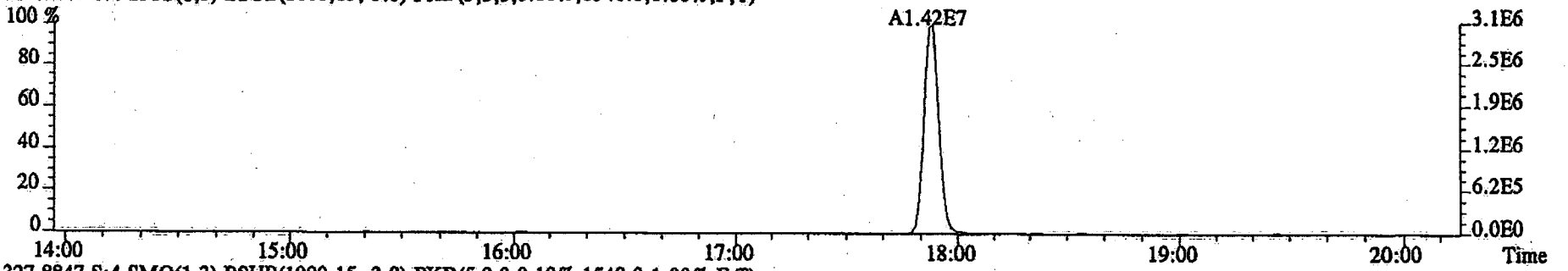
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2580.0,1.00%,F,T)



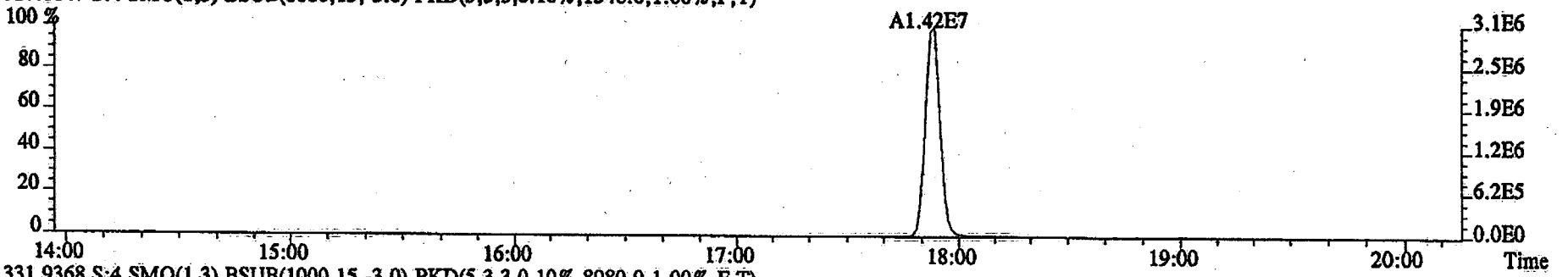
1216
STL Edison
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

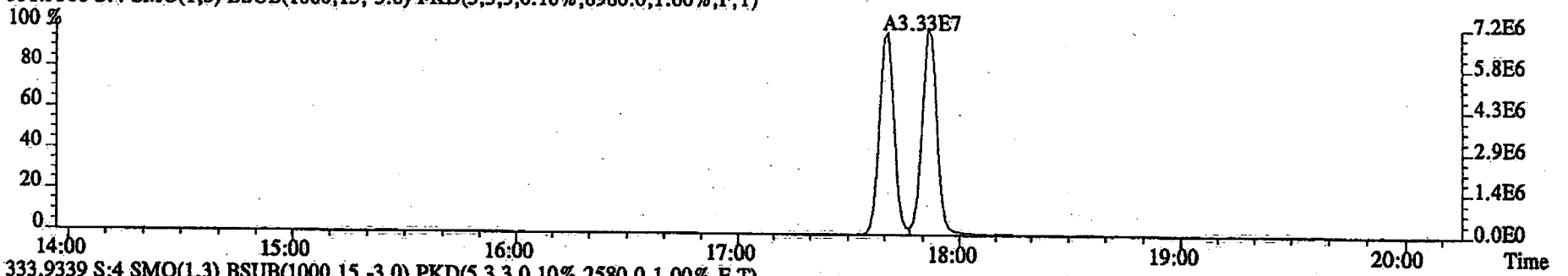
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



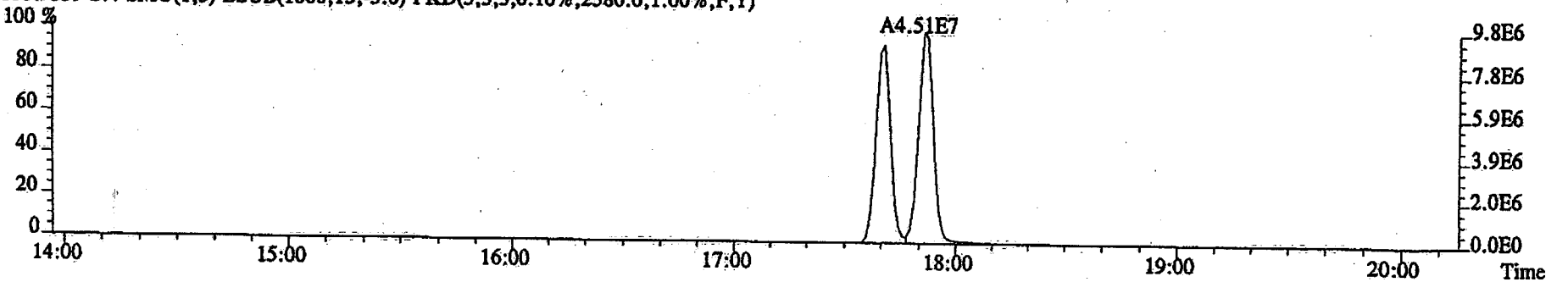
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8980.0,1.00%,F,T)



333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2580.0,1.00%,F,T)



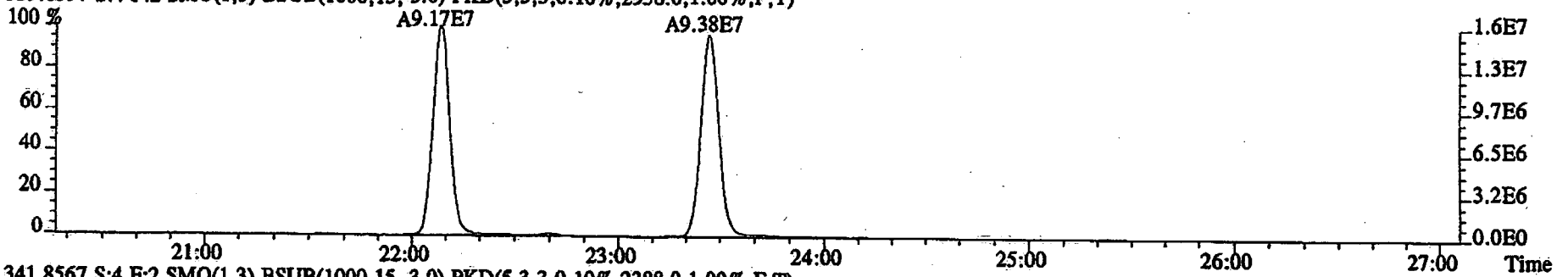
1217

STL Edison

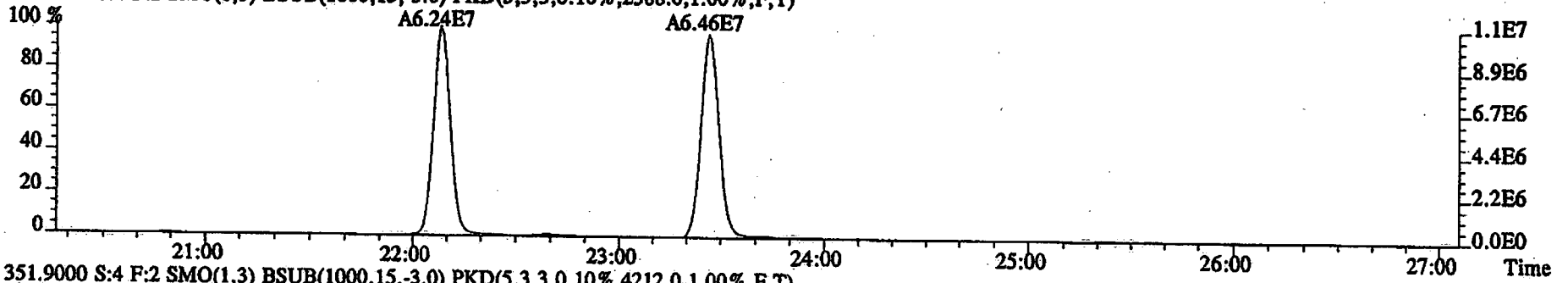
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

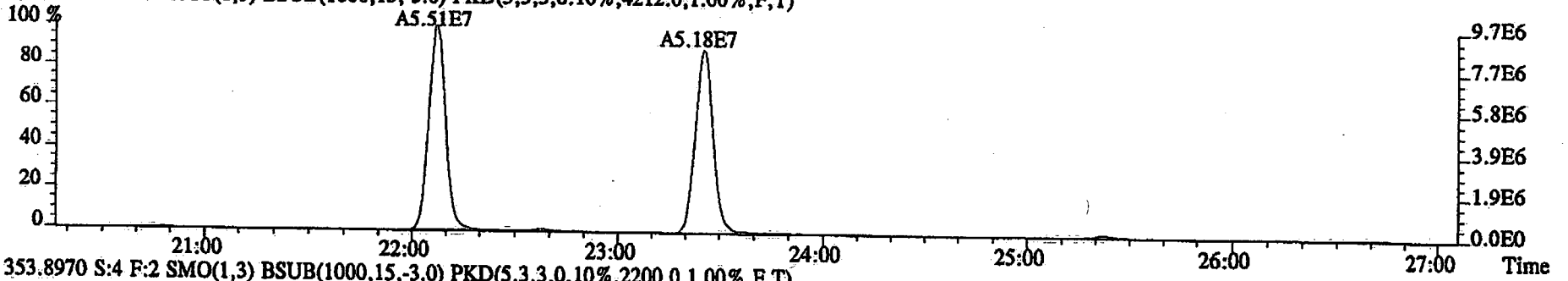
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956.0,1.00%,F,T)



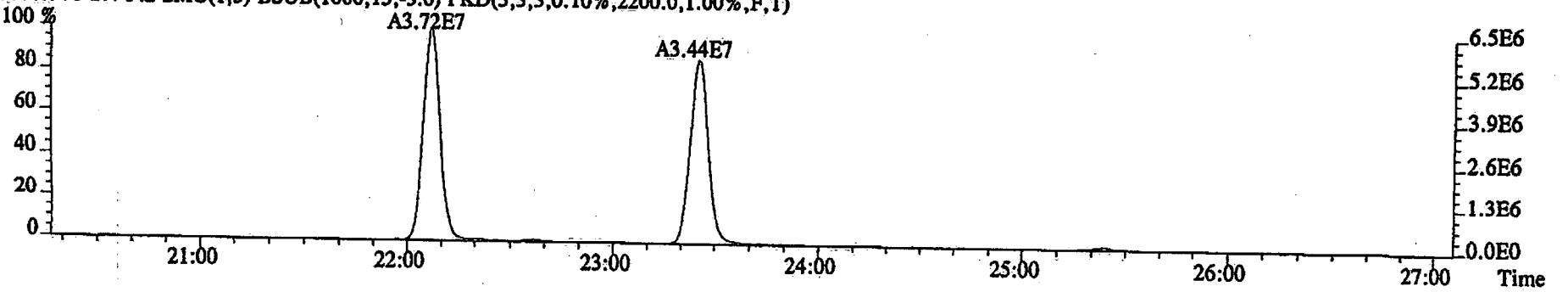
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2388.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4212.0,1.00%,F,T)



353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2200.0,1.00%,F,T)



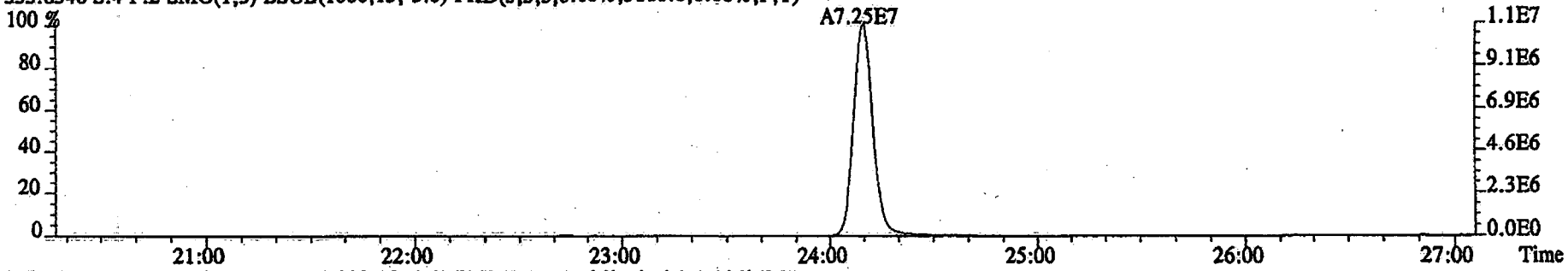
1218

STL Edison

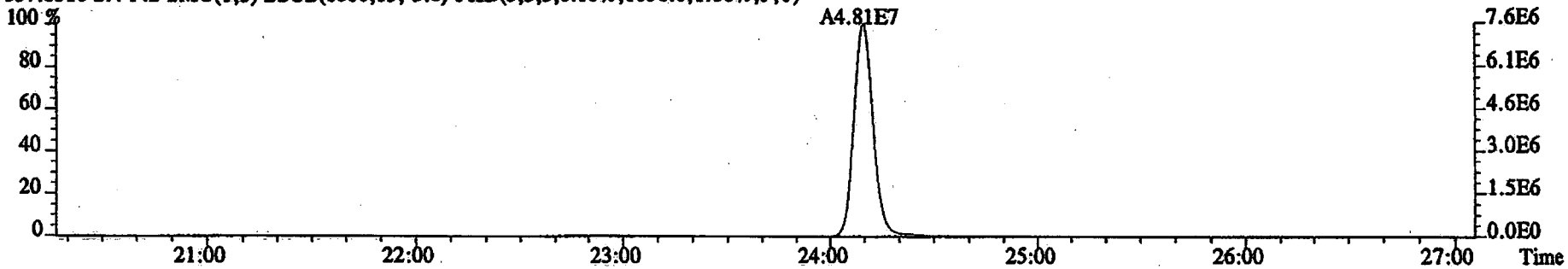
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

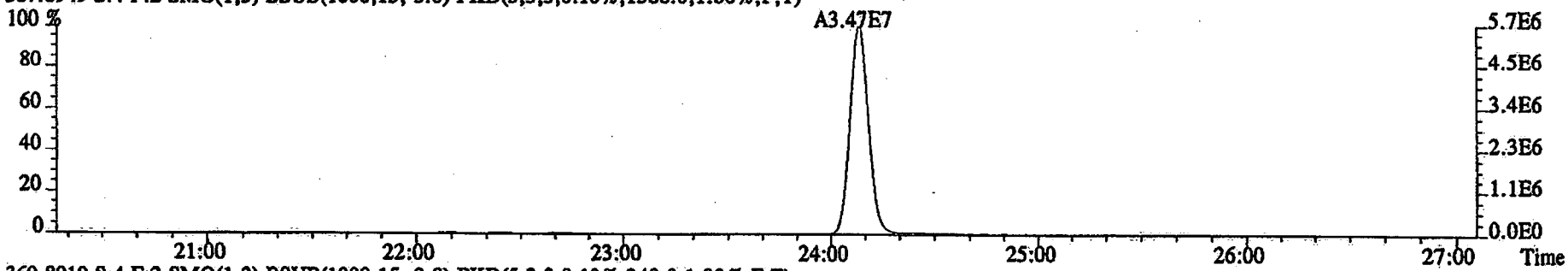
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)



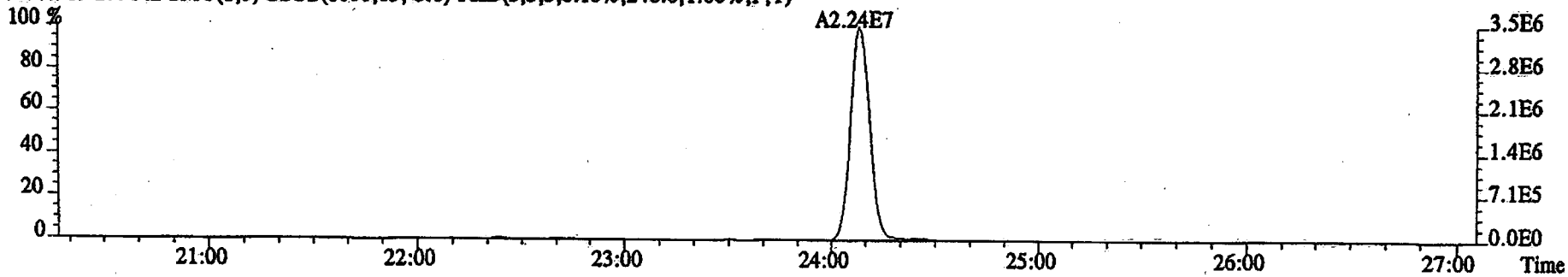
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1056.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,248.0,1.00%,F,T)



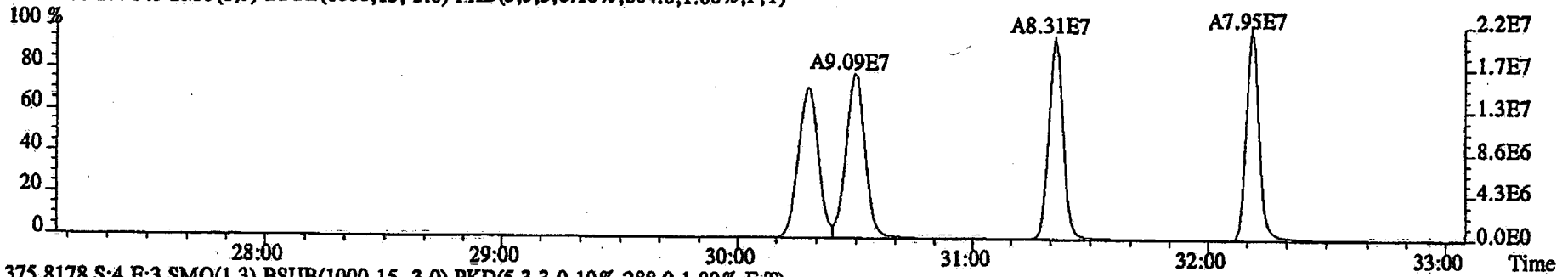
1219

STL Edison

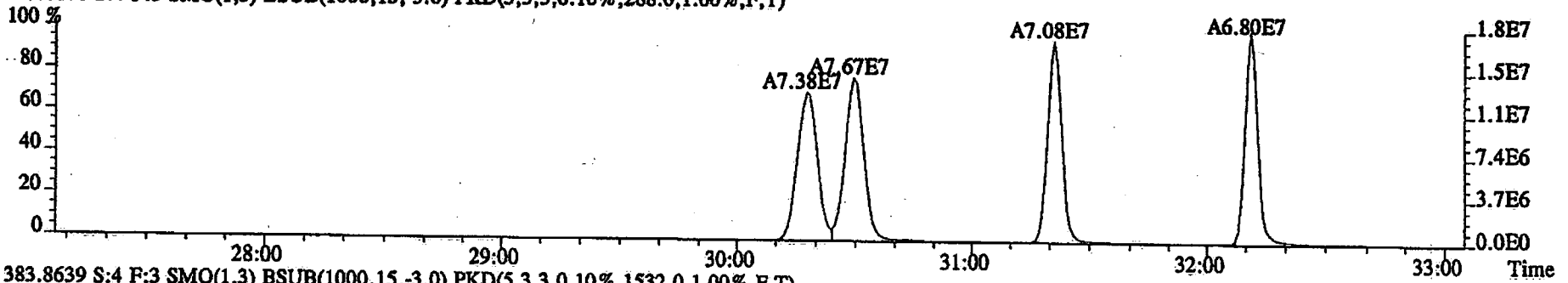
U855

File:09DE049D5 #1-452 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

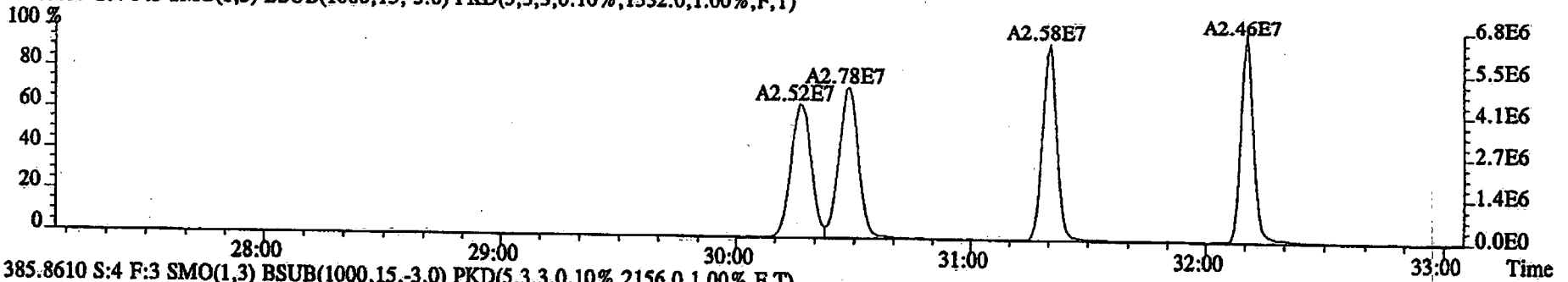
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,804.0,1.00%,F,T)



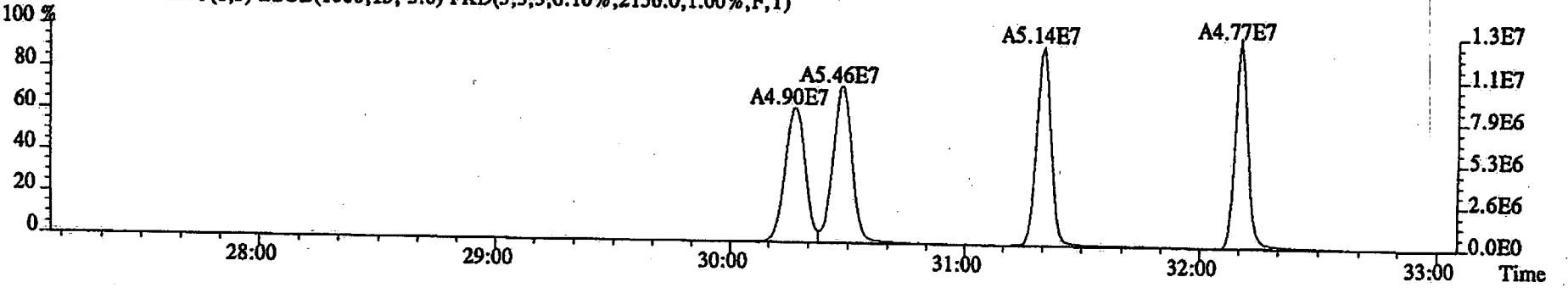
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1532.0,1.00%,F,T)



385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2156.0,1.00%,F,T)



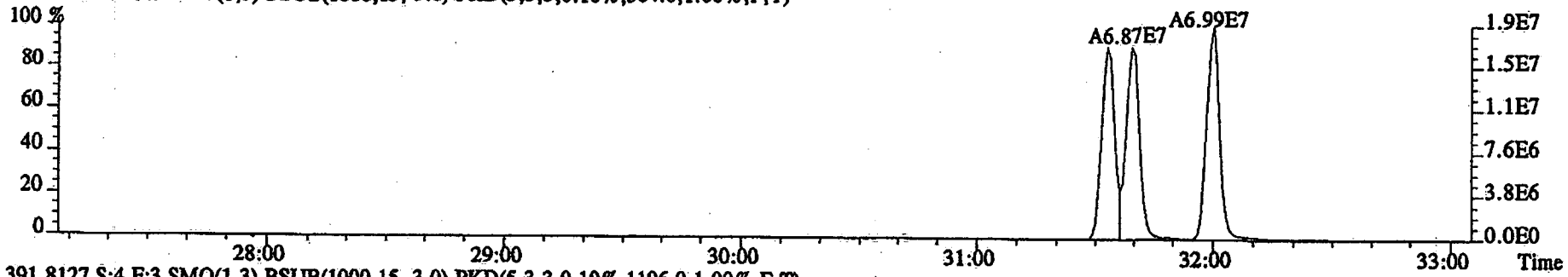
1220

STL Edison

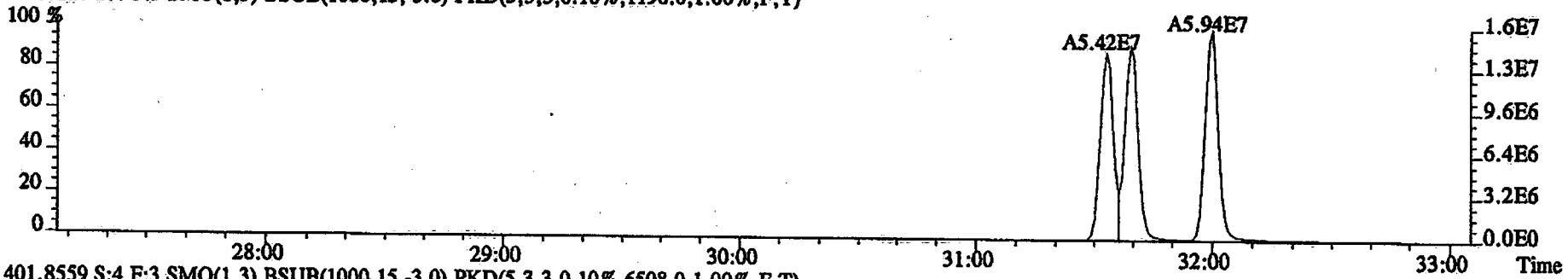
U855

File:09DE049D5 #1-452 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

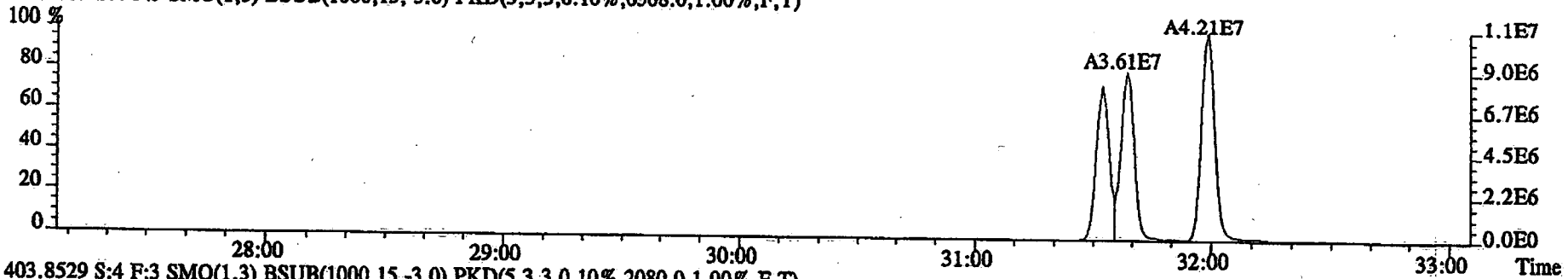
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,584.0,1.00%,F,T)



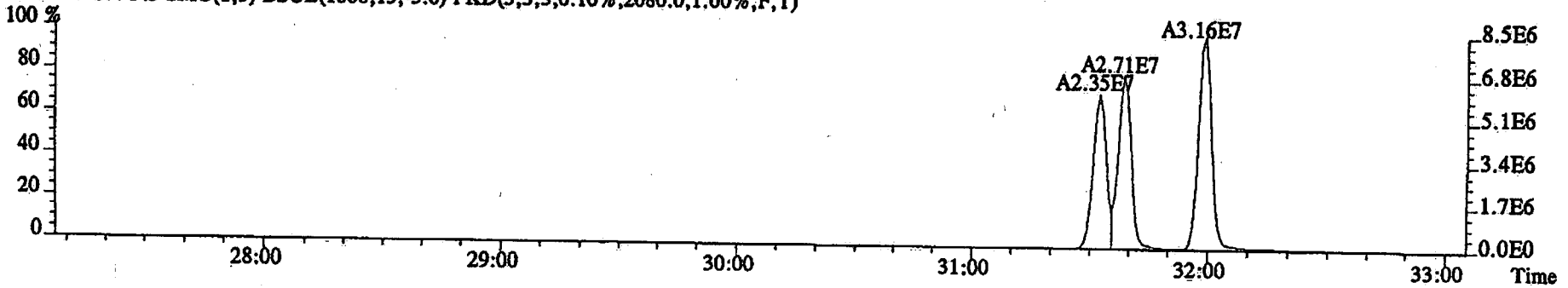
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)



401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6508.0,1.00%,F,T)



403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)



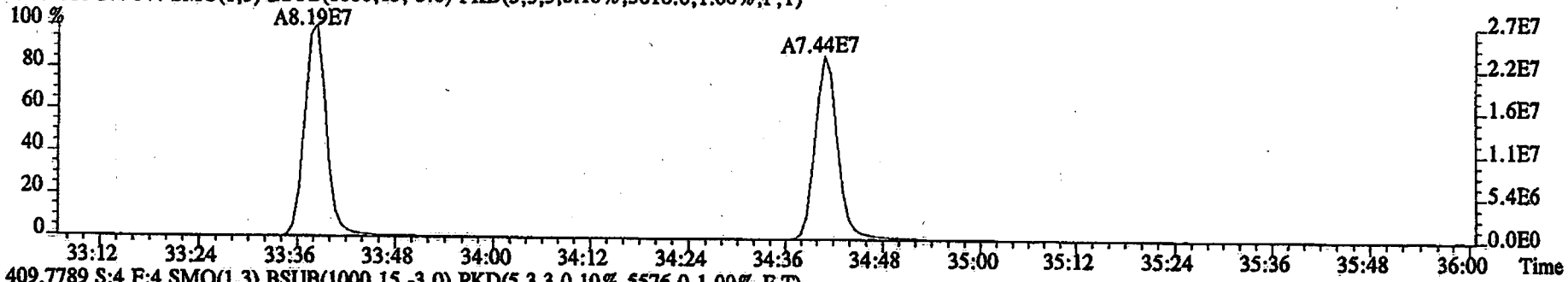
1221

STL Edison

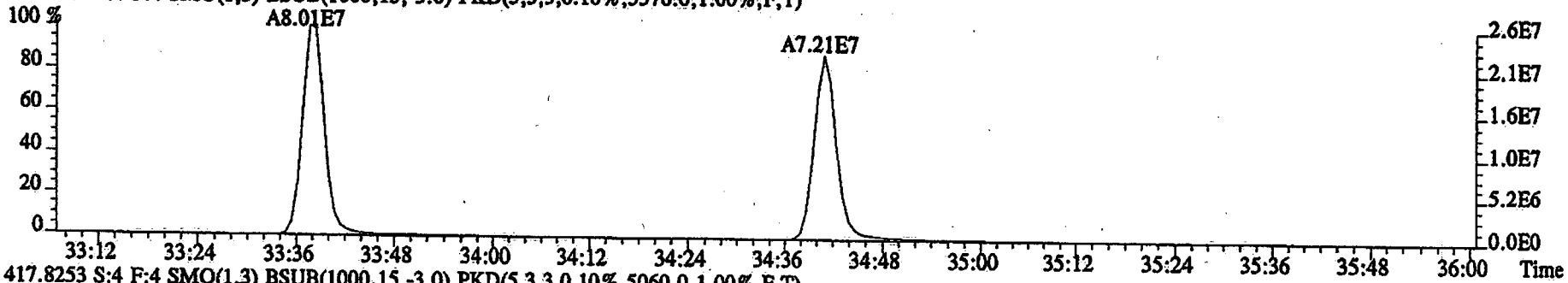
U855

File:09DE049D5 #1-232 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

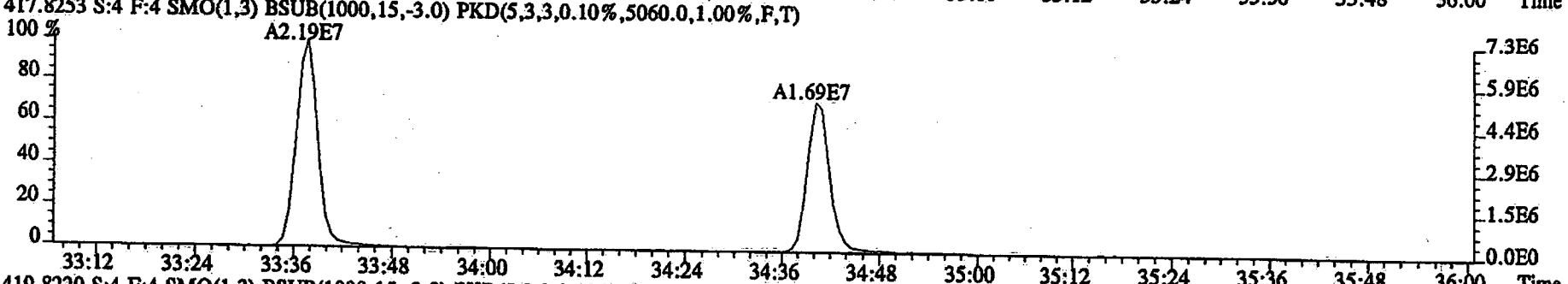
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5016.0,1.00%,F,T)



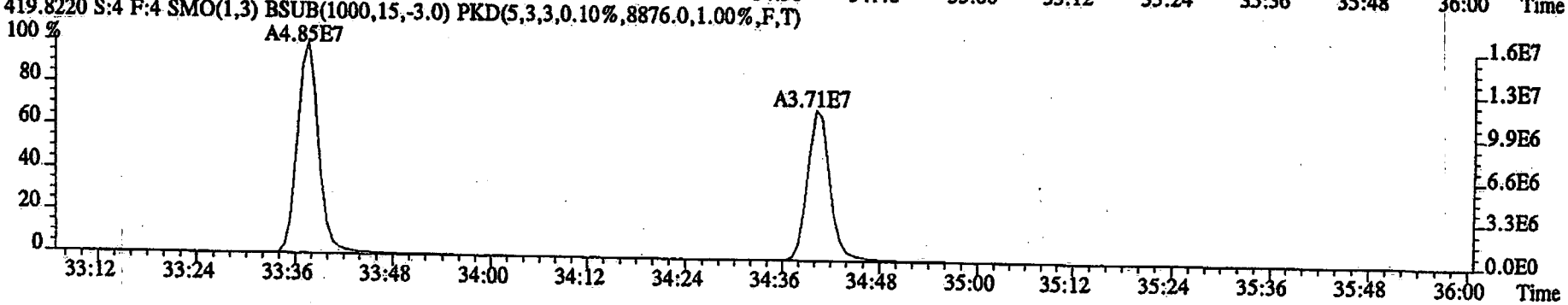
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5576.0,1.00%,F,T)



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5060.0,1.00%,F,T)



419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8876.0,1.00%,F,T)



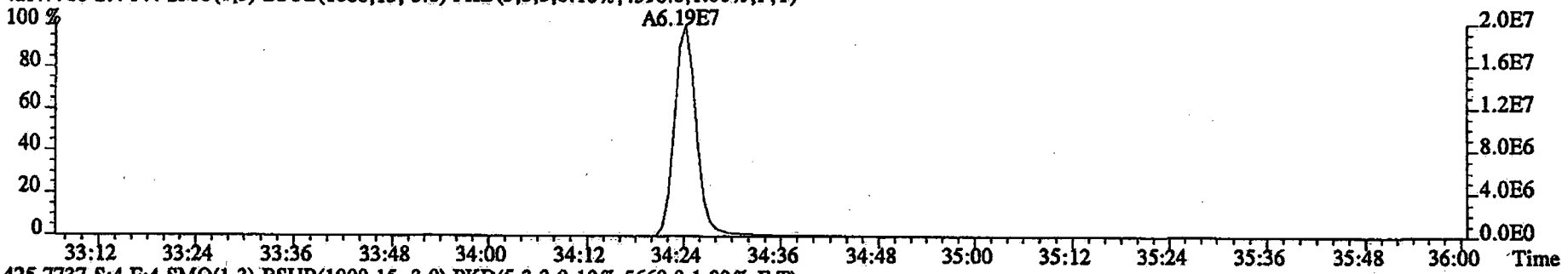
1222

STL Edison

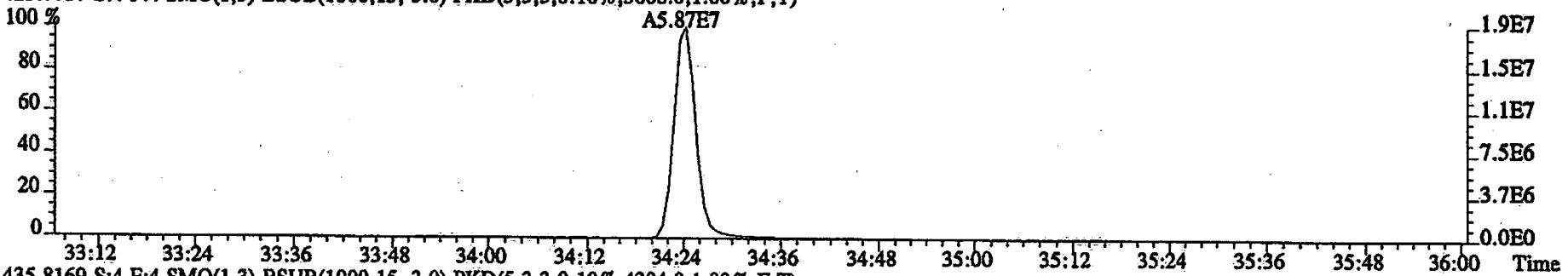
U855

File:09DE049D5 #1-232 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

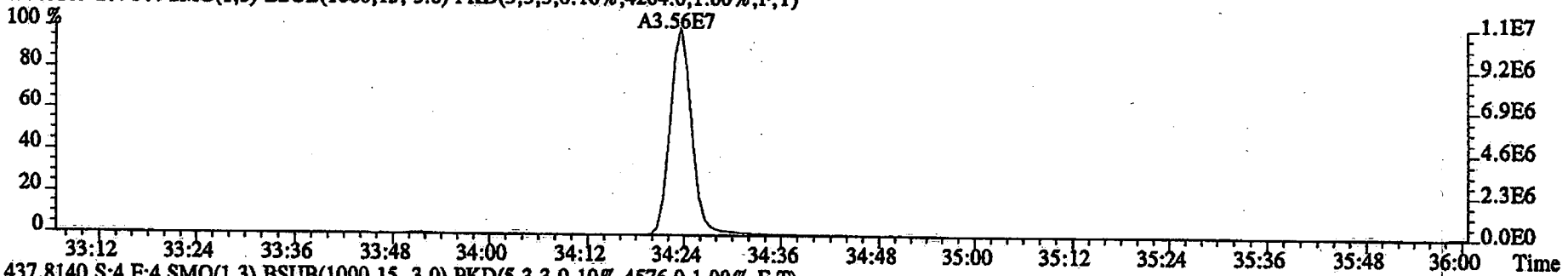
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4596.0,1.00%,F,T)



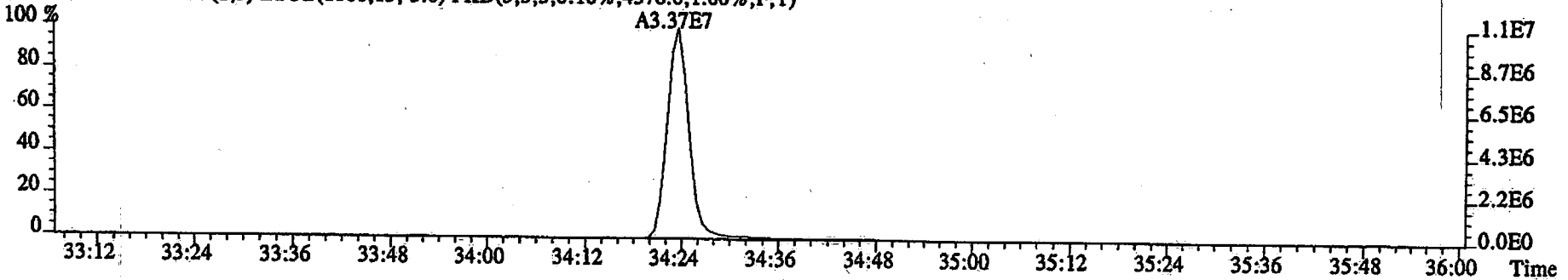
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)



435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4204.0,1.00%,F,T)



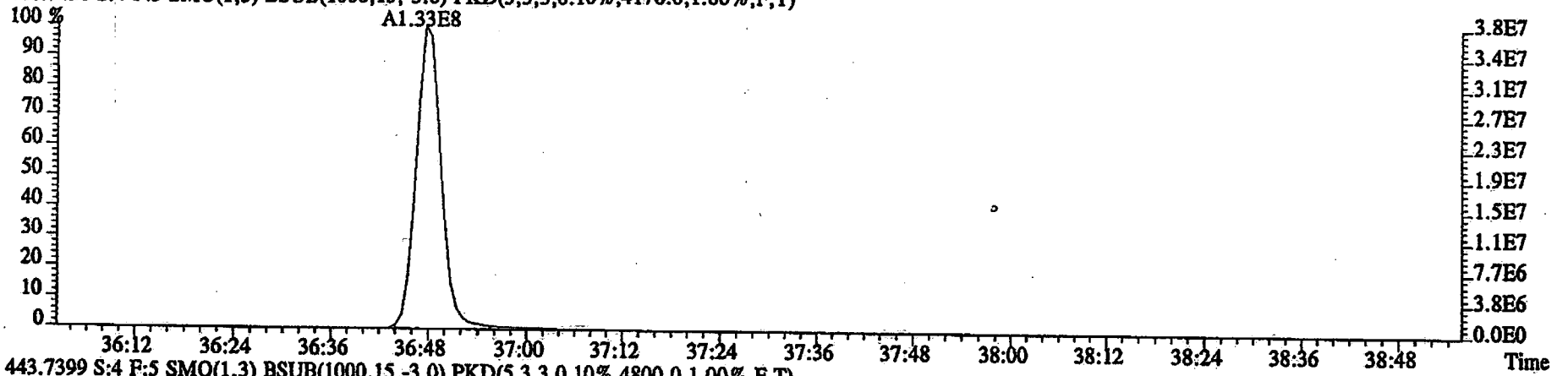
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4576.0,1.00%,F,T)



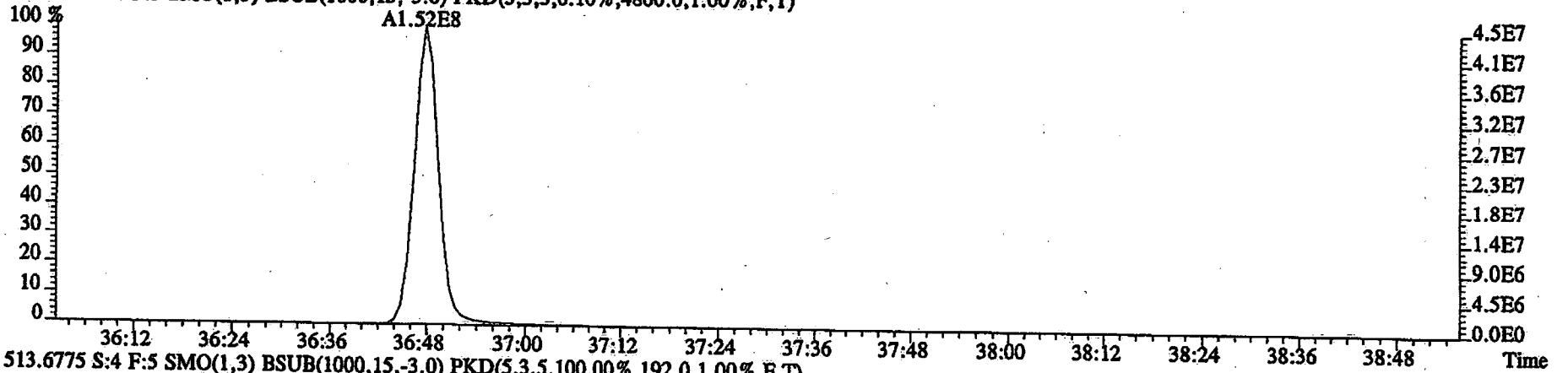
1223
STL Edison
U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

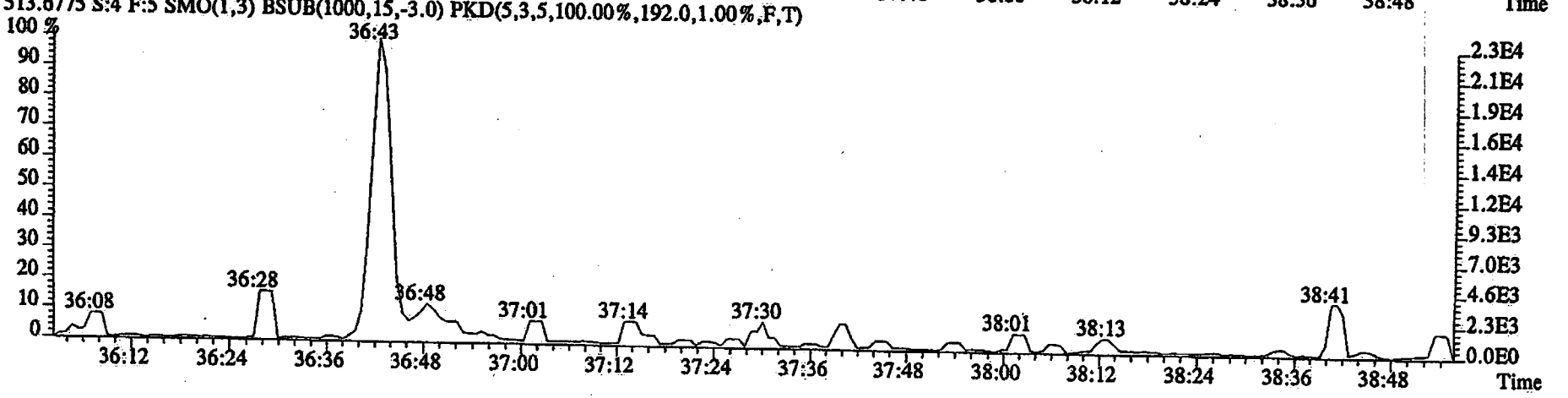
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4800.0,1.00%,F,T)



513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,192.0,1.00%,F,T)



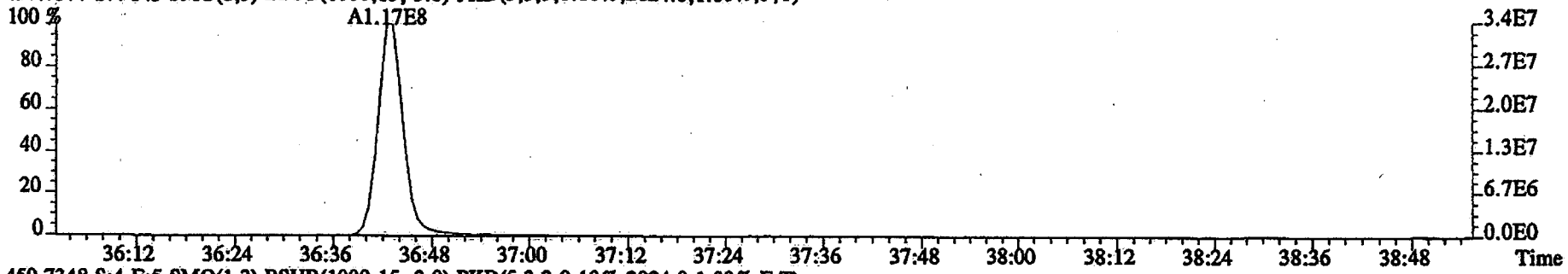
1224

STL Edison

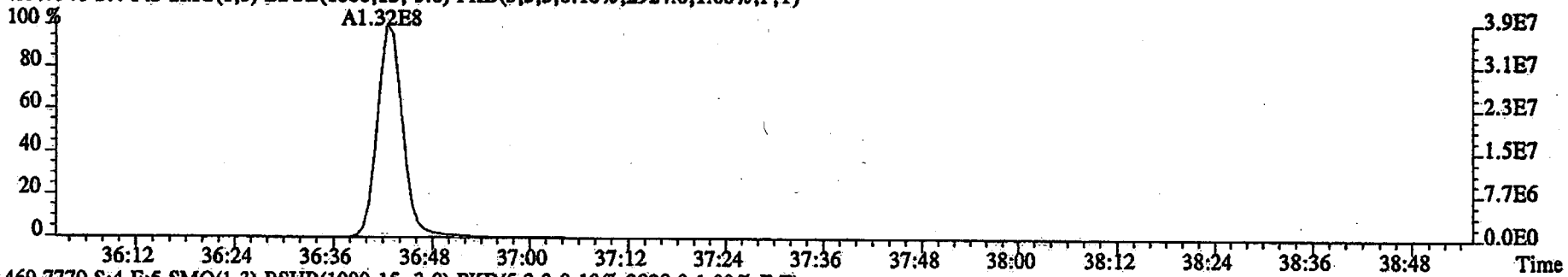
U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

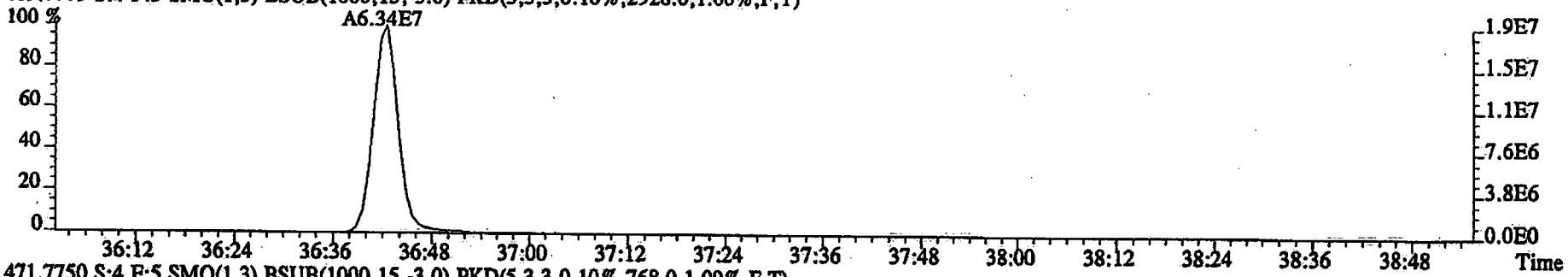
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2824.0,1.00%,F,T)



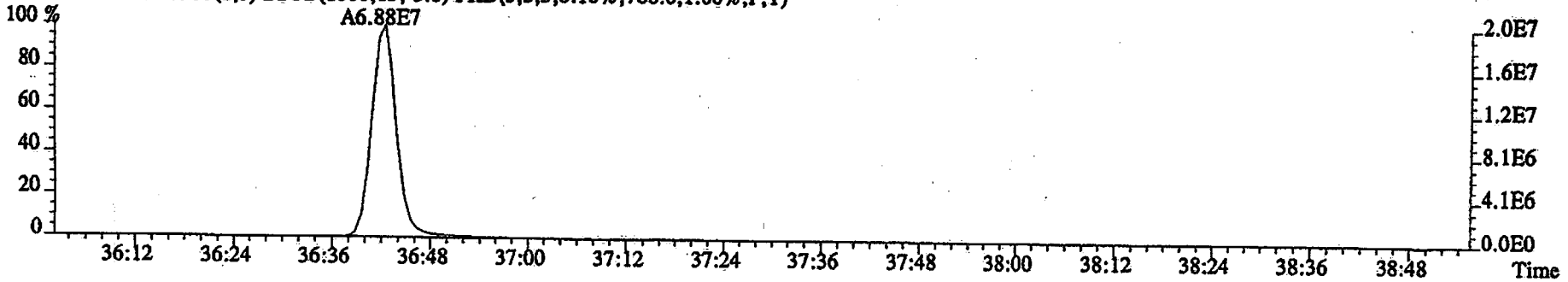
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2924.0,1.00%,F,T)



469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2928.0,1.00%,F,T)



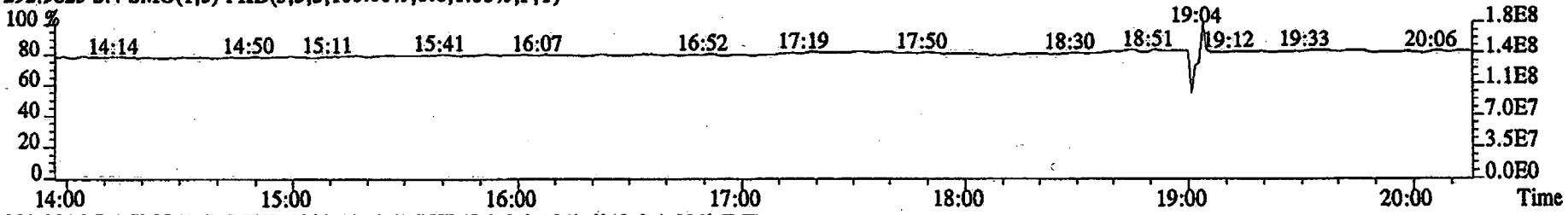
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



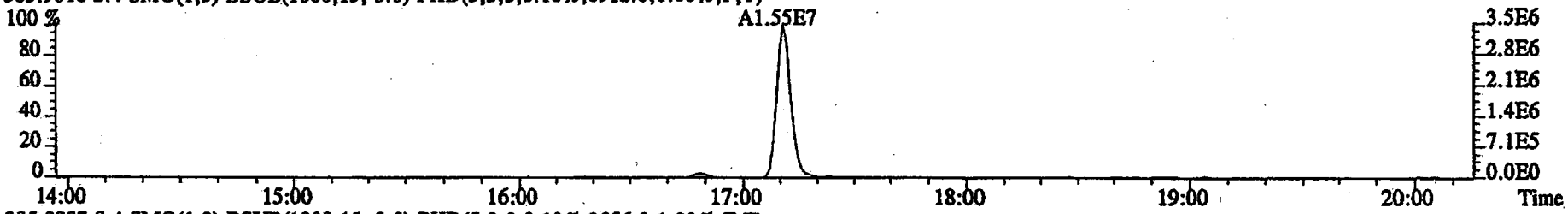
1225
STL Edison
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

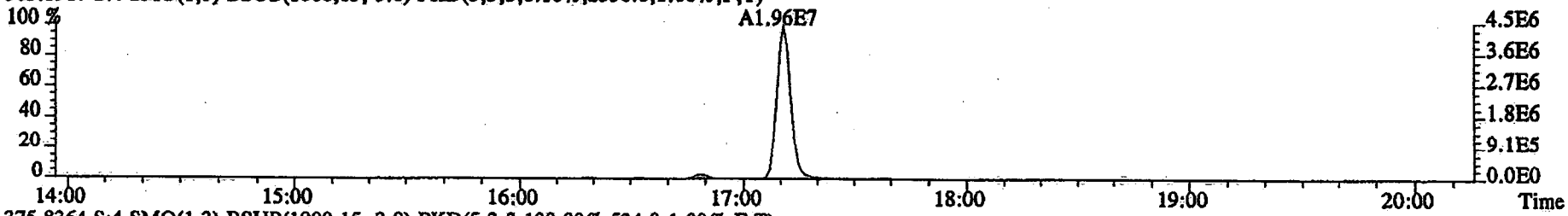
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



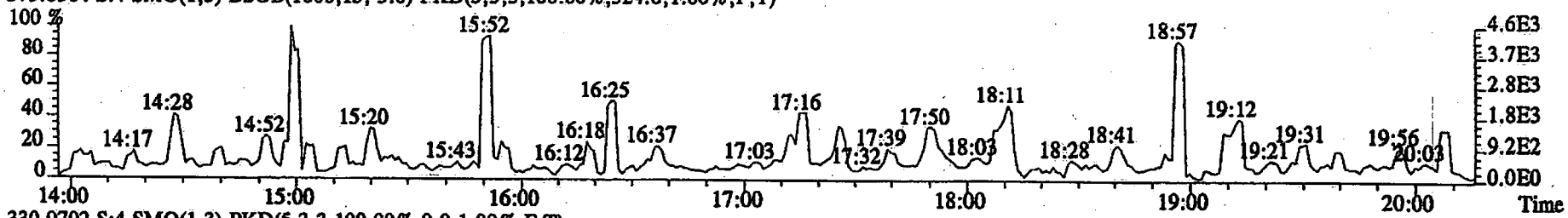
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



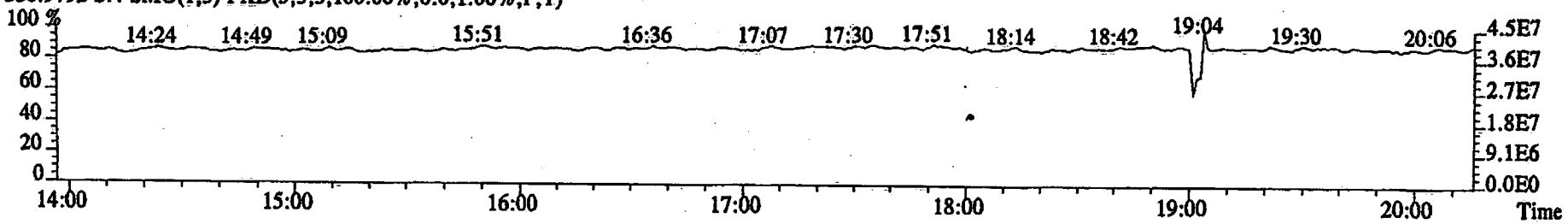
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,524.0,1.00%,F,T)



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



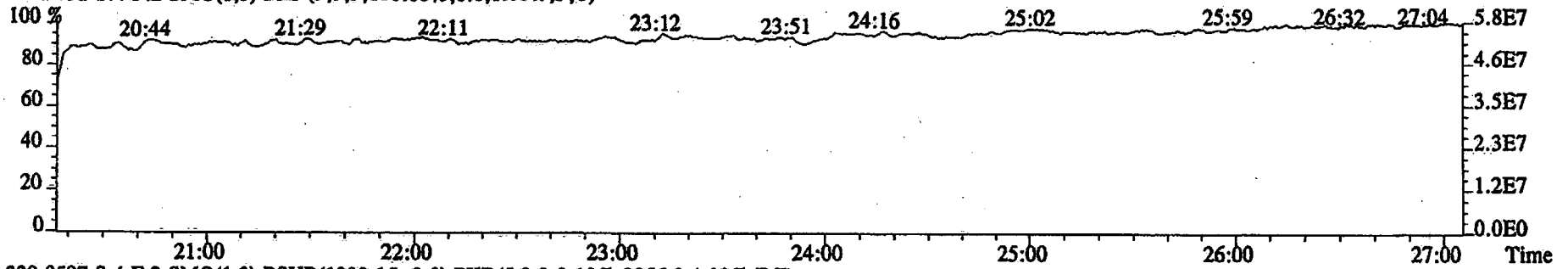
1226

STL Edison

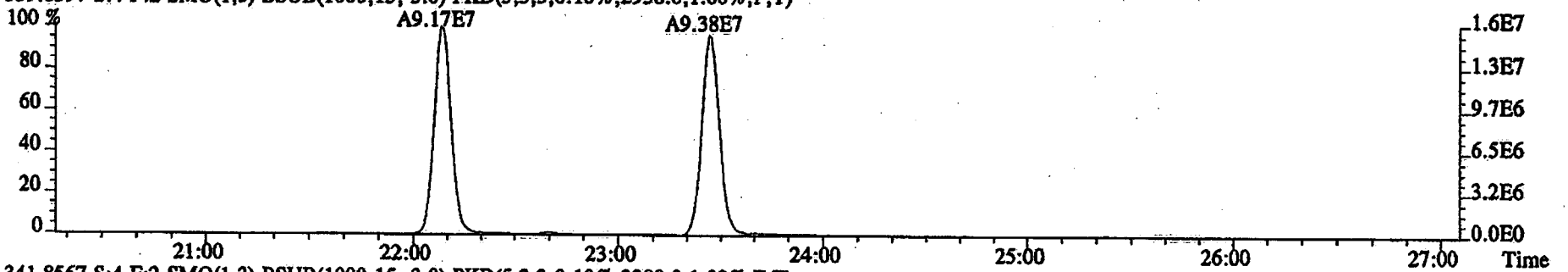
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

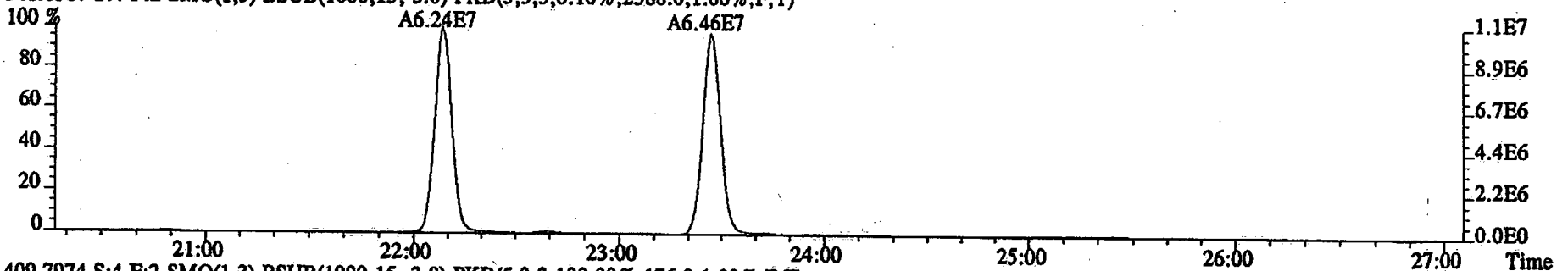
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



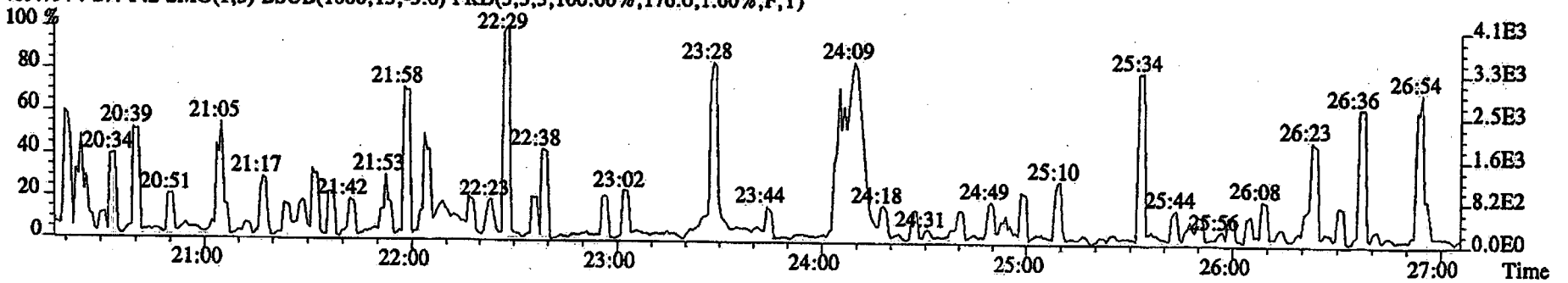
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956.0,1.00%,F,T)



341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2388.0,1.00%,F,T)



409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,176.0,1.00%,F,T)



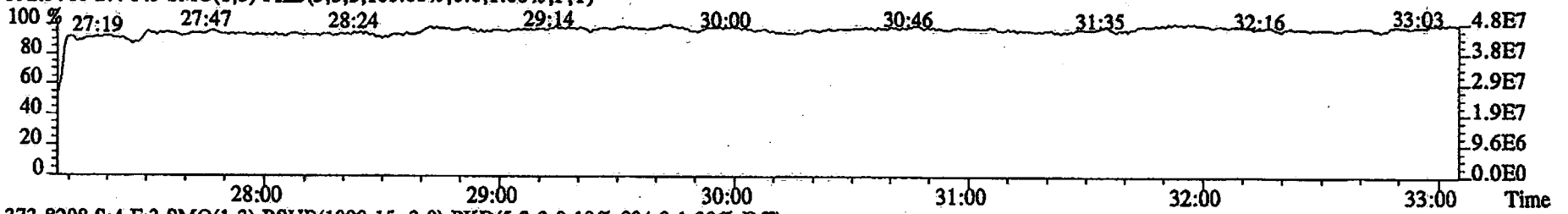
1227

STL Edison

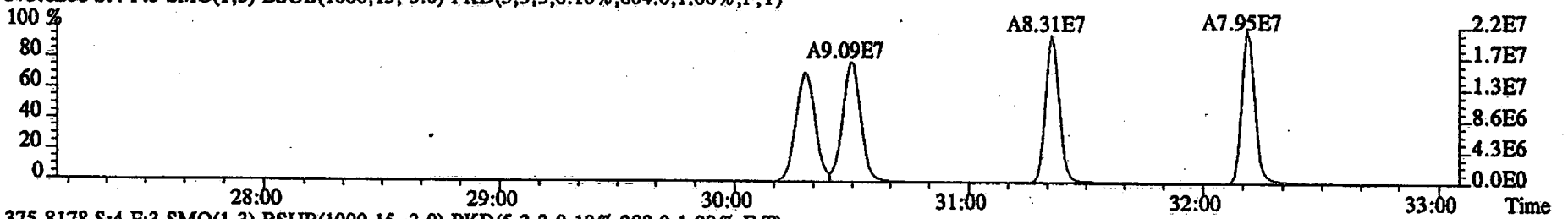
U855

File:09DE049D5 #1-452 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN

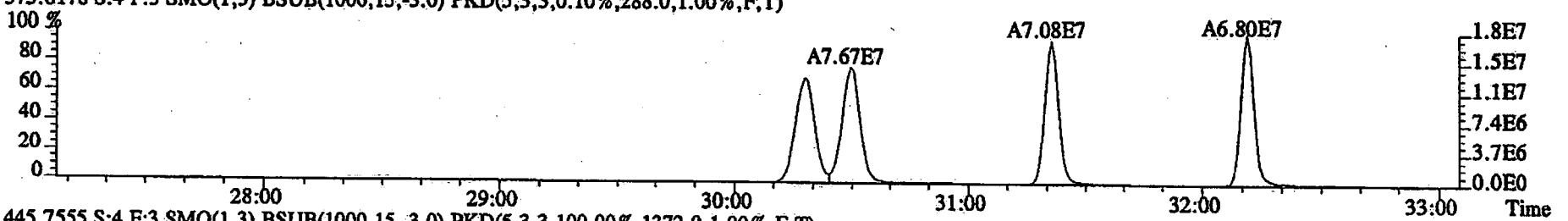
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



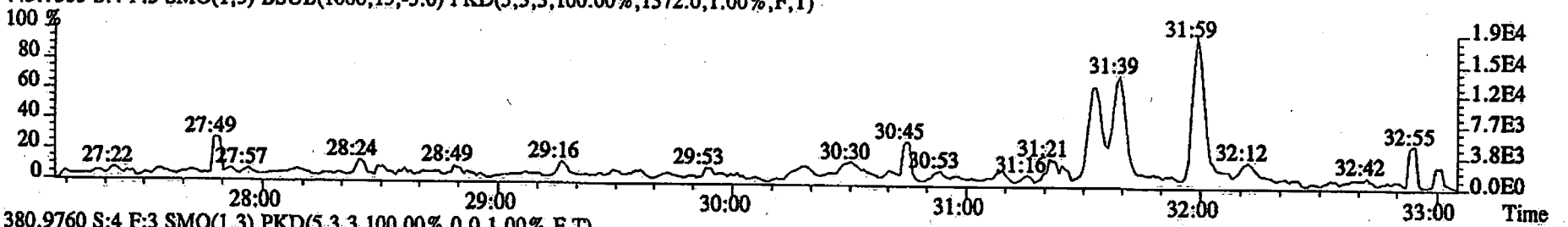
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,804.0,1.00%,F,T)



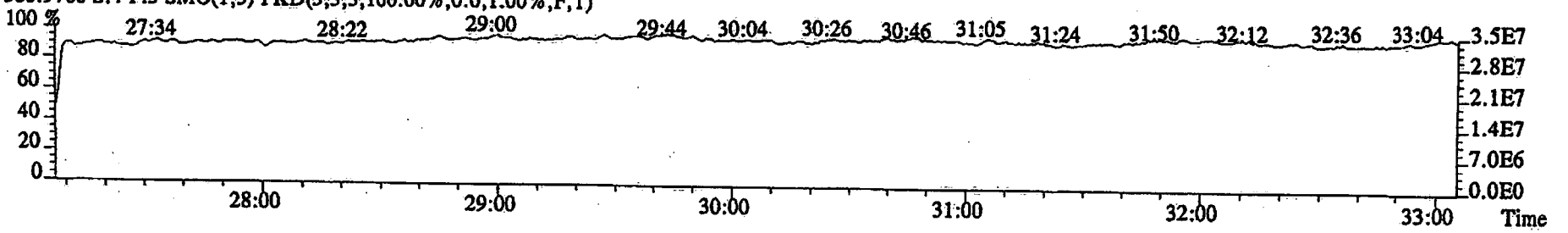
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1372.0,1.00%,F,T)

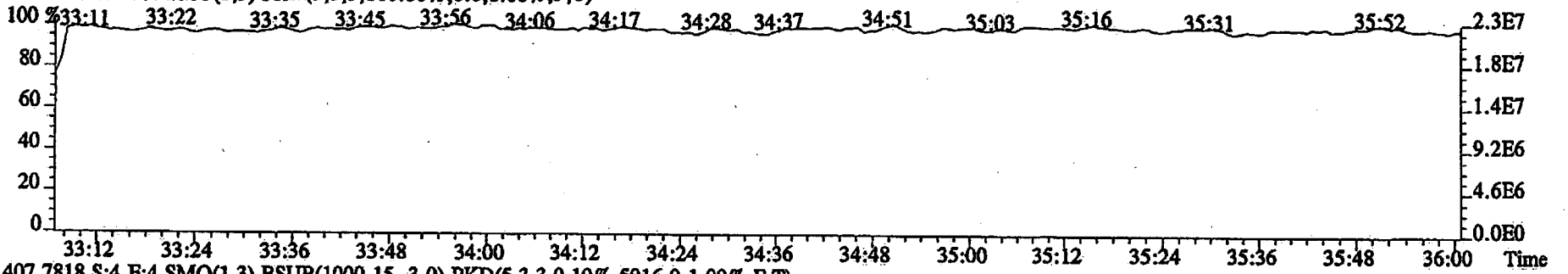


380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

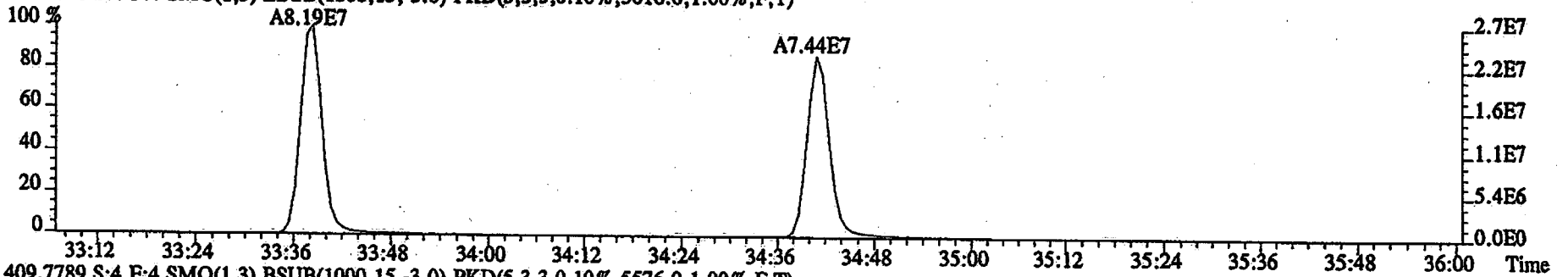


1228
STL Edison
U855

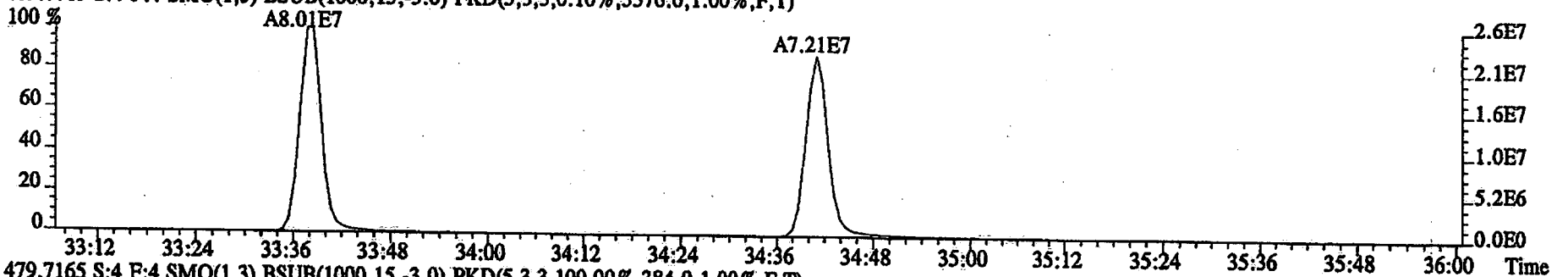
File:09DE049D5 #1-232 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



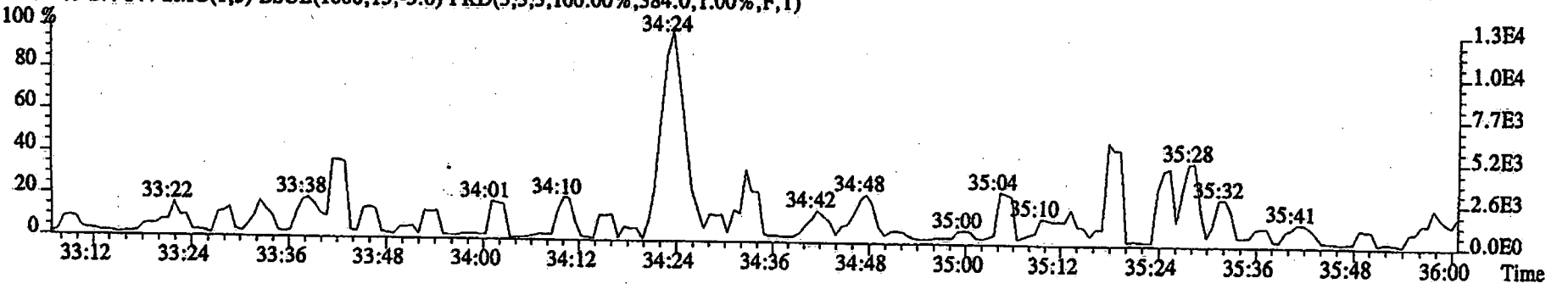
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5016.0,1.00%,F,T)



409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5576.0,1.00%,F,T)



479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,384.0,1.00%,F,T)

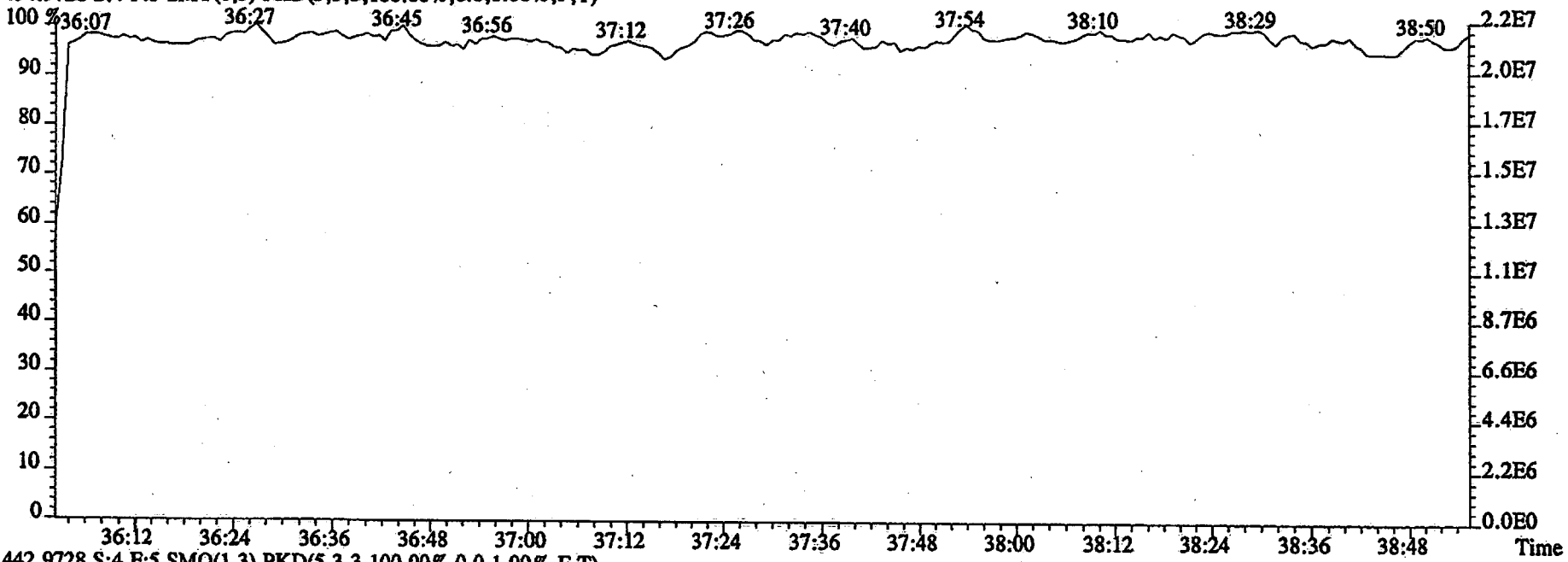


1229

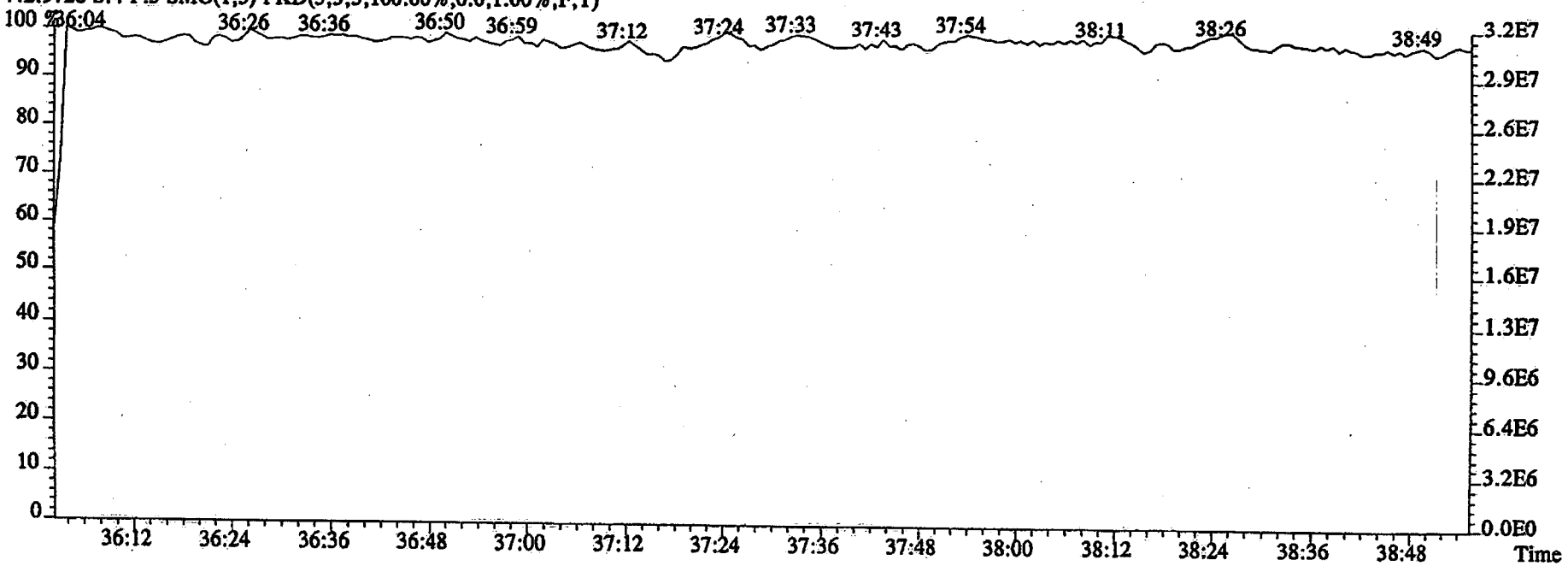
STL Edison

U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1209C :CS3 2416-23D Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



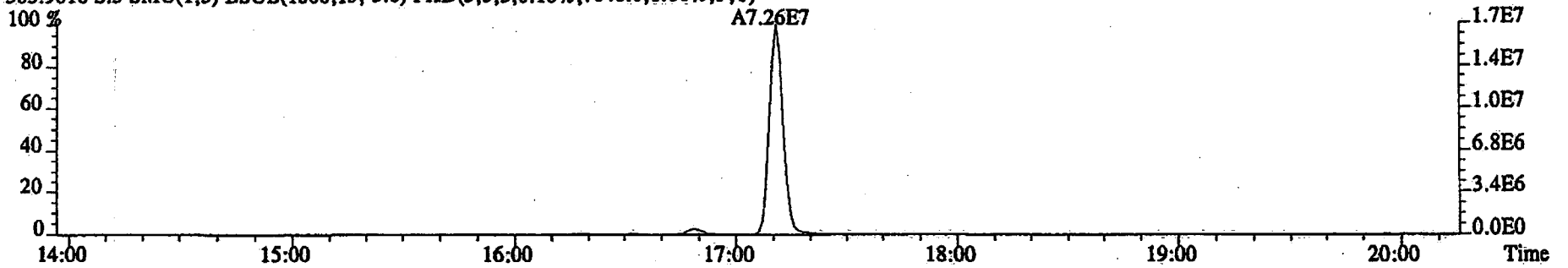
1230

STL Edison

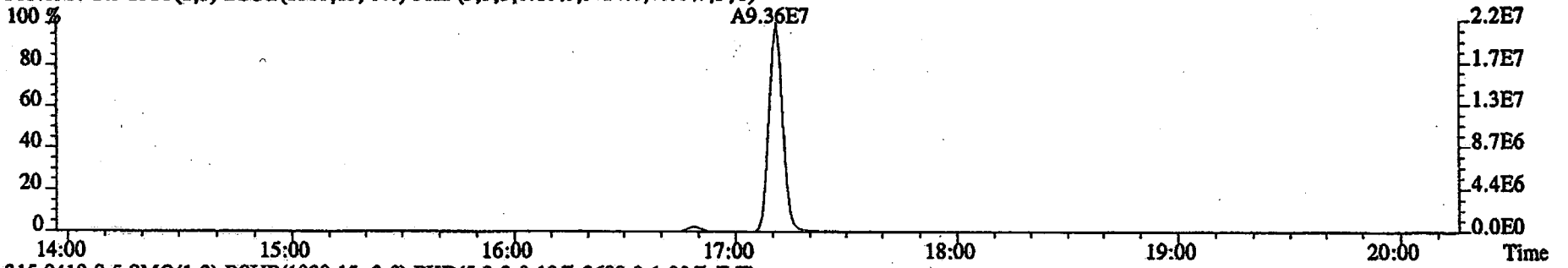
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

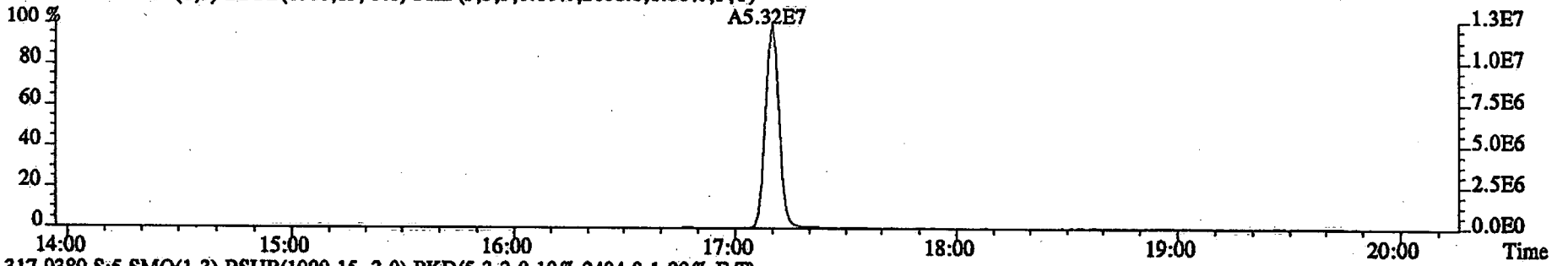
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7648.0,1.00%,F,T)



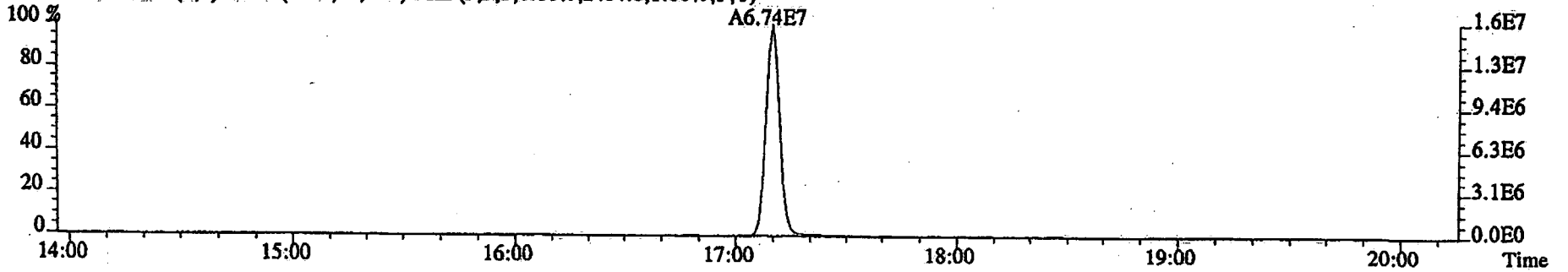
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)



315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)



317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



1231

STL Edison

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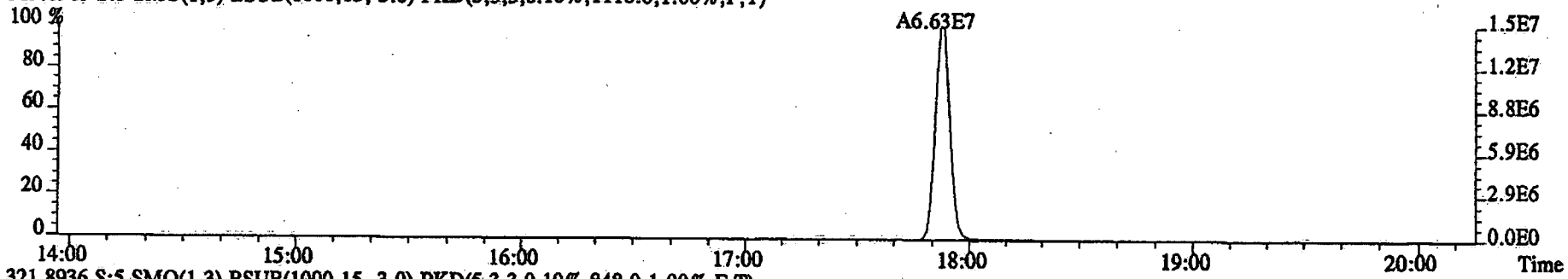
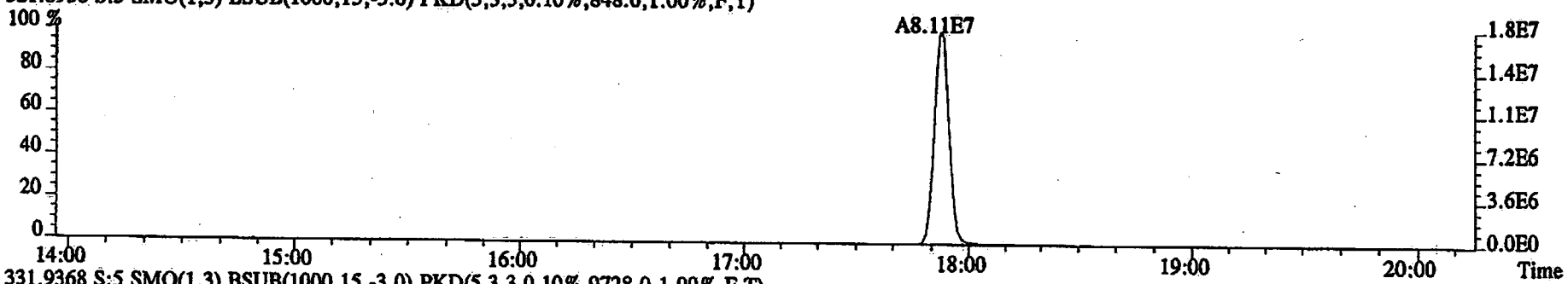
File:09DE049D5 #1-393 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

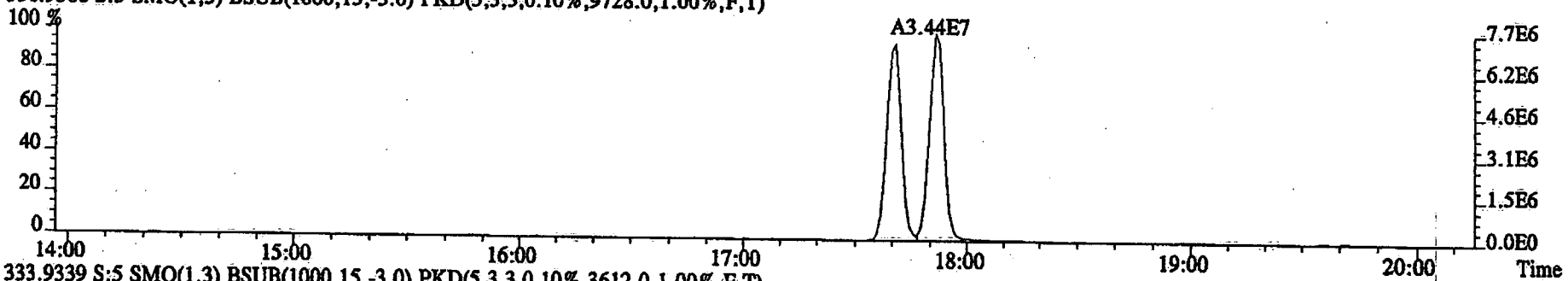
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1116.0,1.00%,F,T)



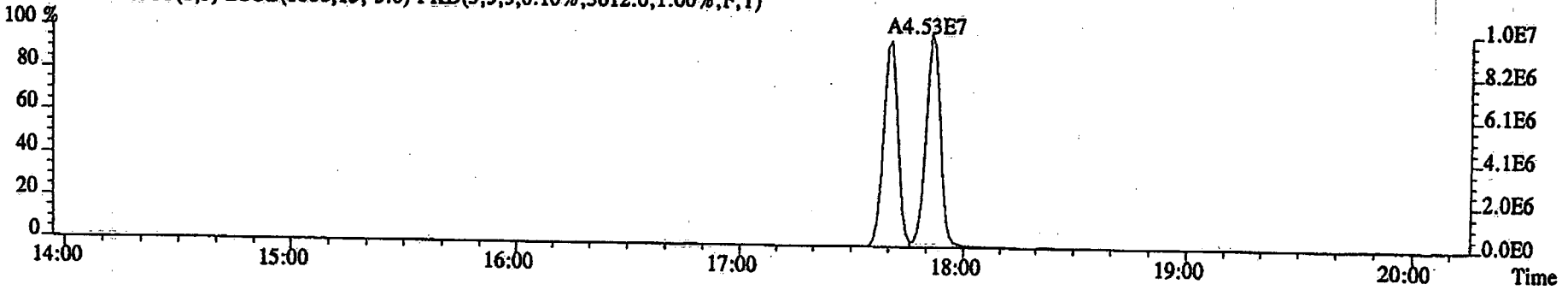
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3612.0,1.00%,F,T)



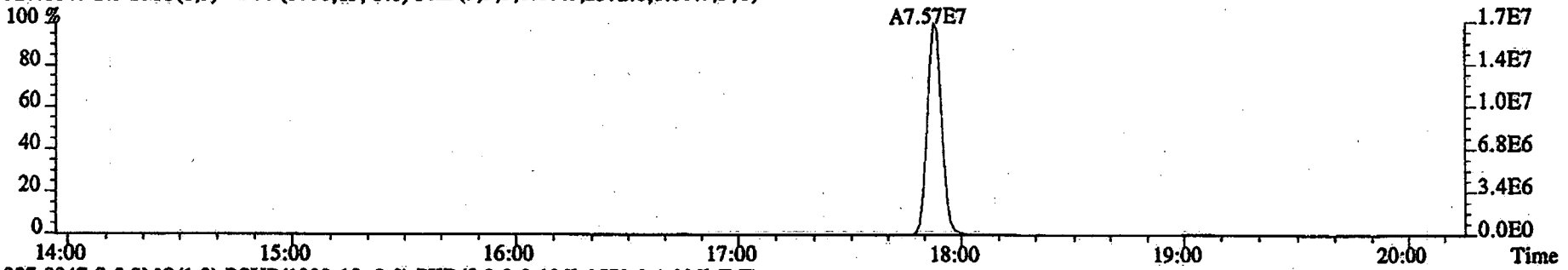
1232

STL Edison

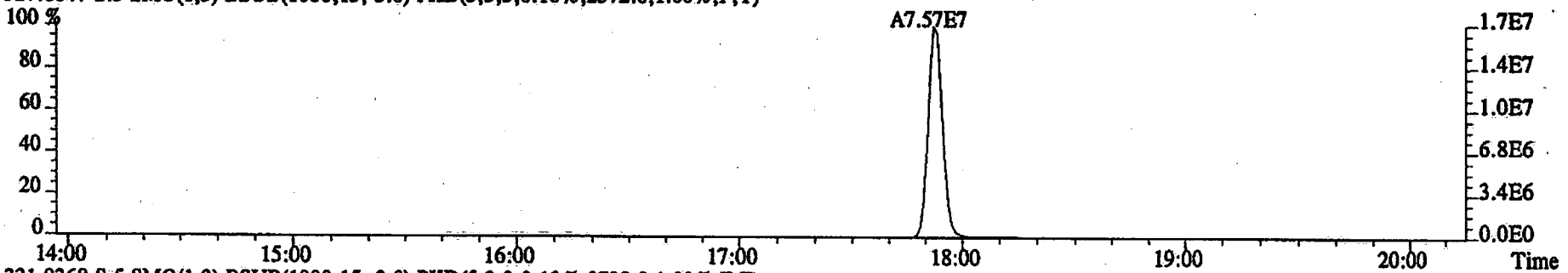
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

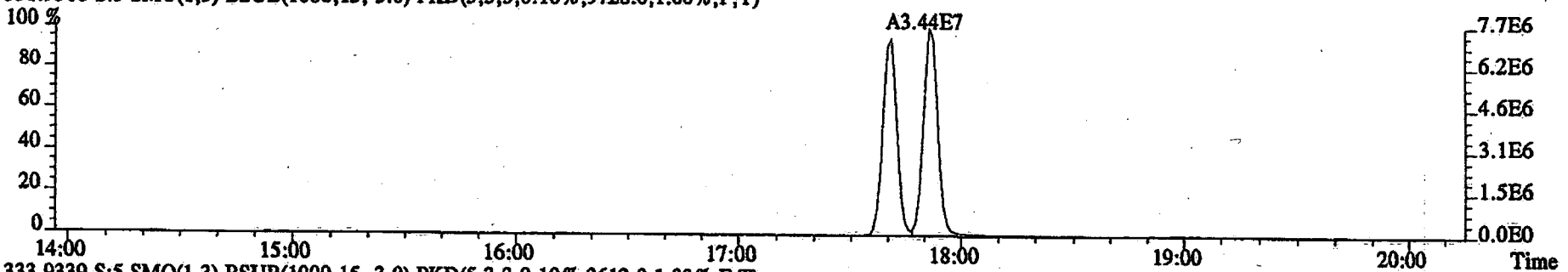
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2572.0,1.00%,F,T)



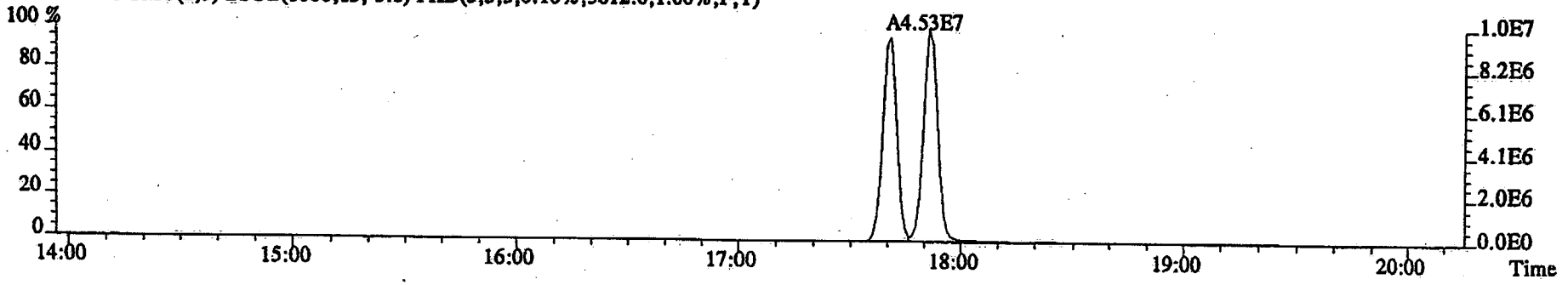
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2572.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3612.0,1.00%,F,T)



1233

STL Edison

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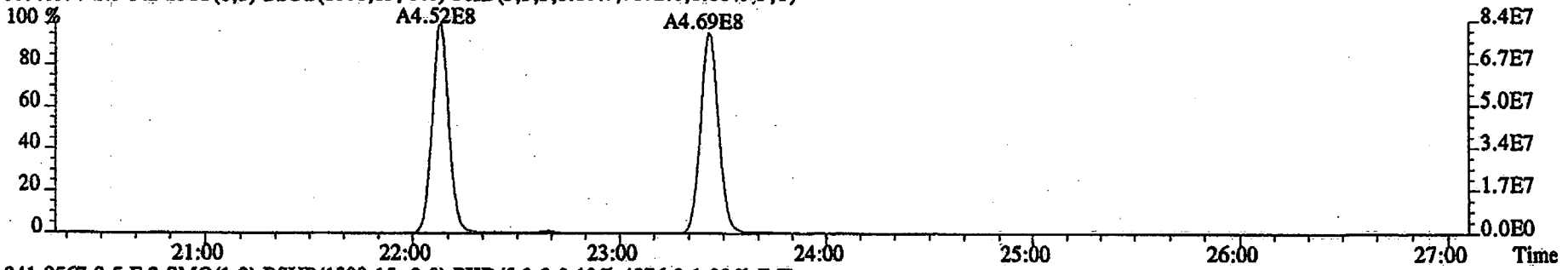
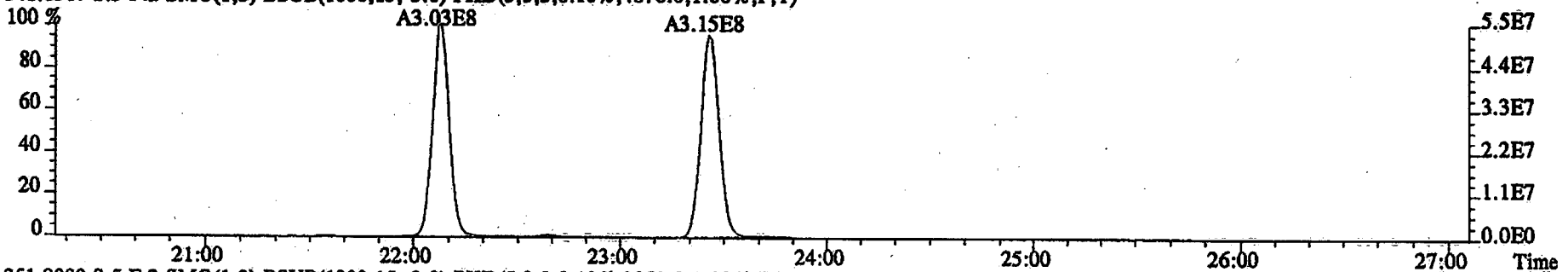
File:09DE049D5 #1-544 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

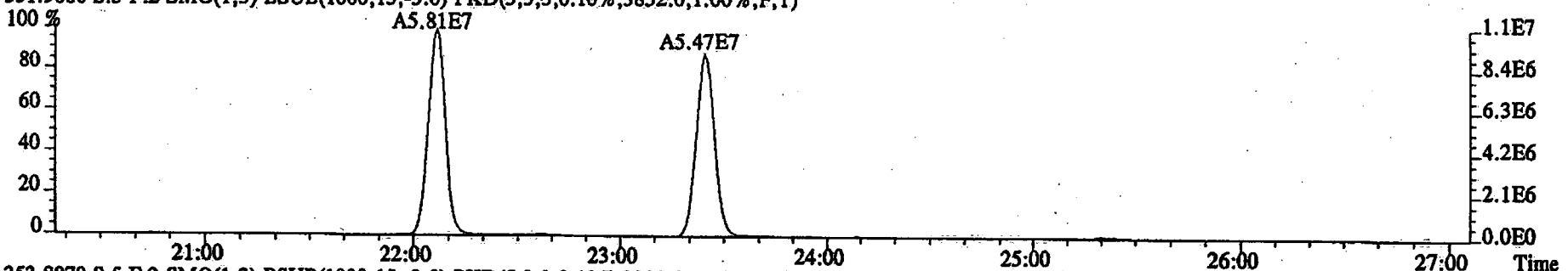
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)



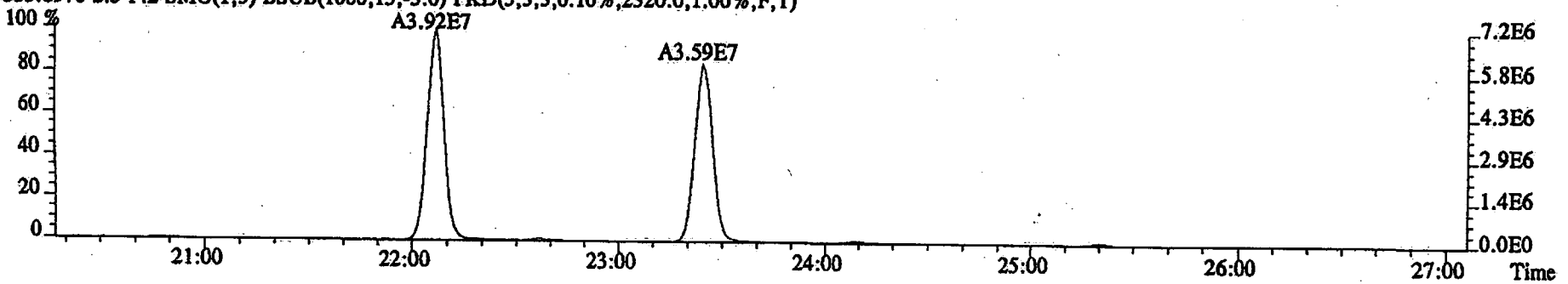
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4876.0,1.00%,F,T)



351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3852.0,1.00%,F,T)



353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2320.0,1.00%,F,T)



1234

STL Edison

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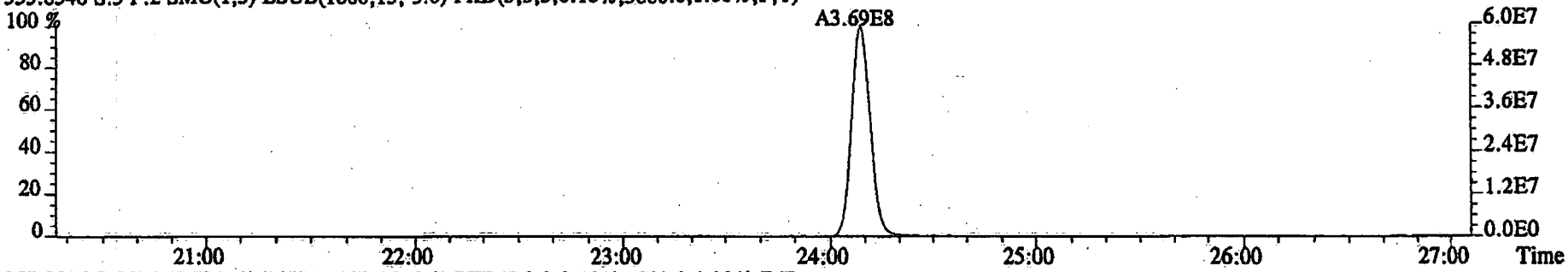
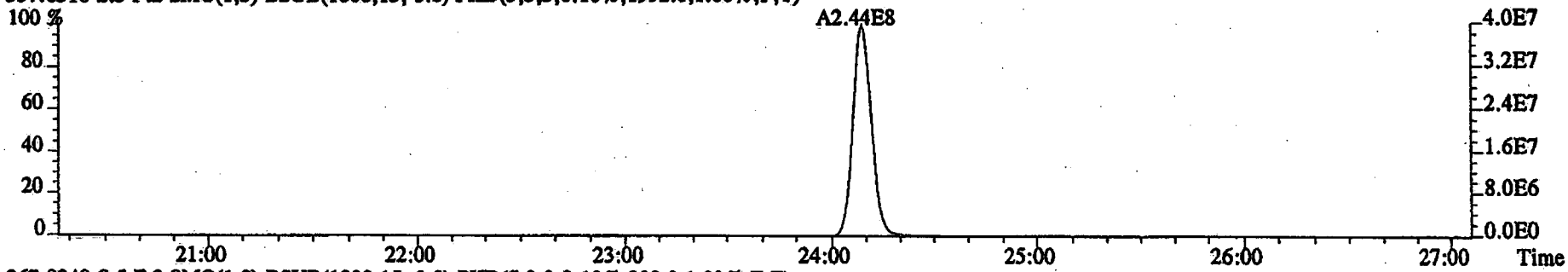
File:09DE049D5 #1-544 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

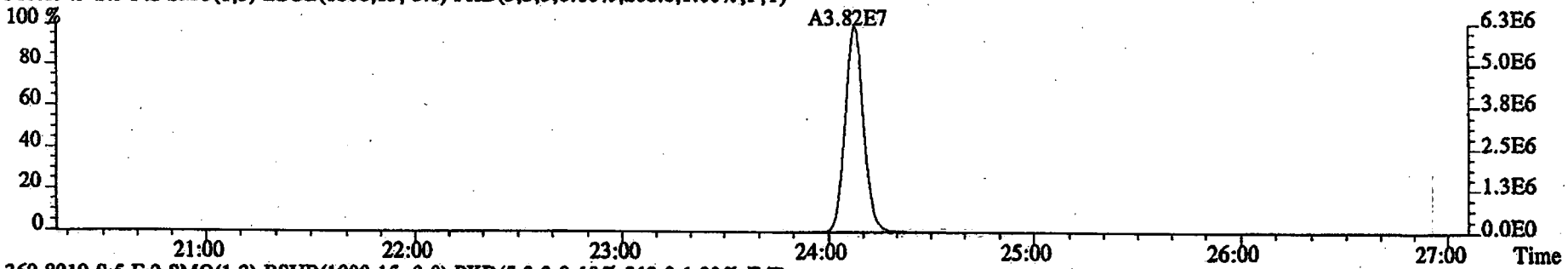
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)



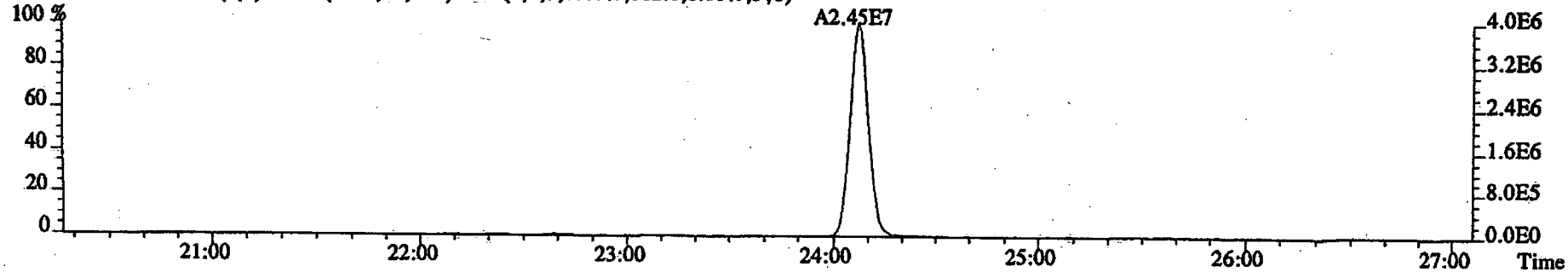
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1992.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,212.0,1.00%,F,T)



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STL Edison

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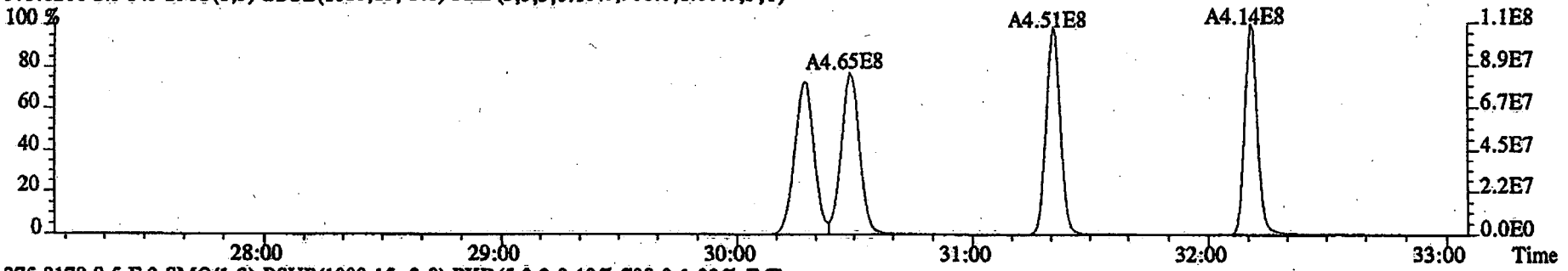
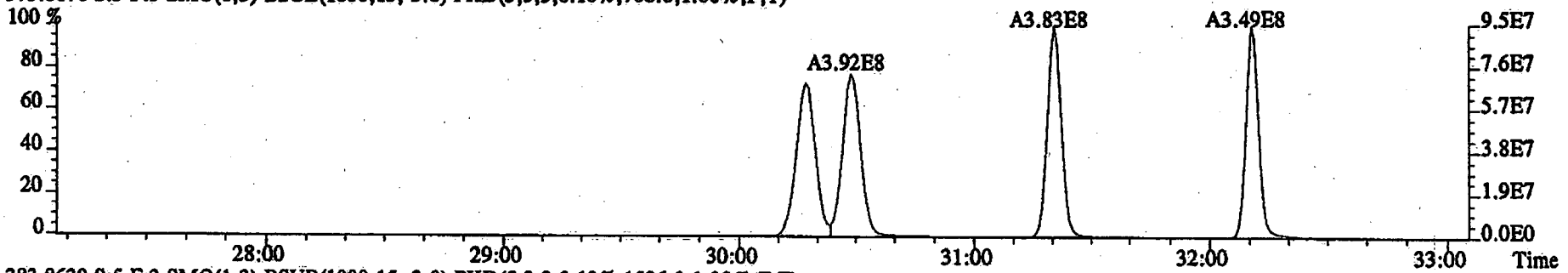
File:09DE049D5 #1-452 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

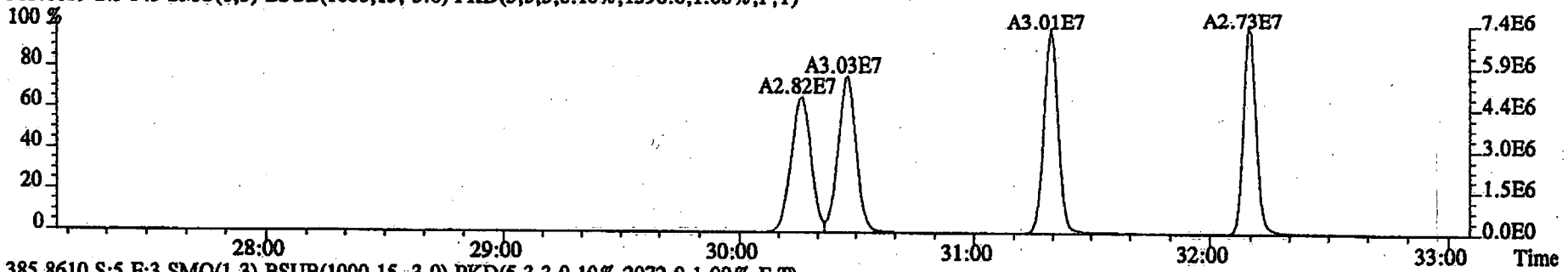
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,988.0,1.00%,F,T)



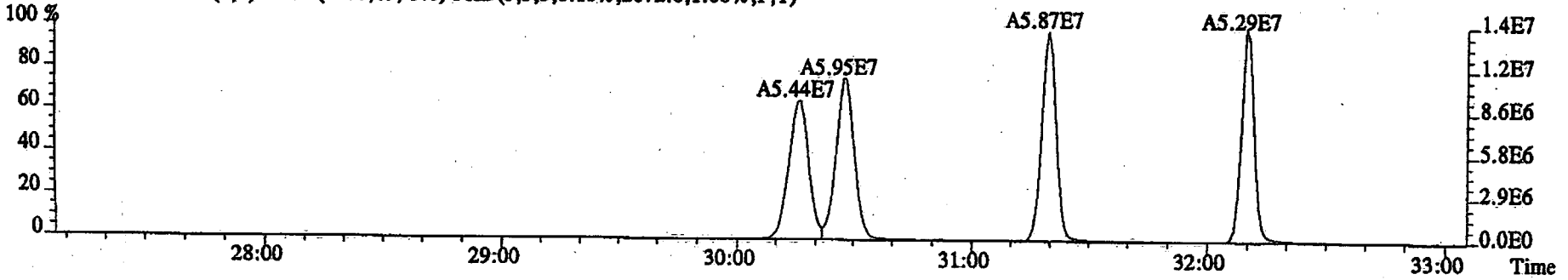
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)



383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1596.0,1.00%,F,T)



385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)



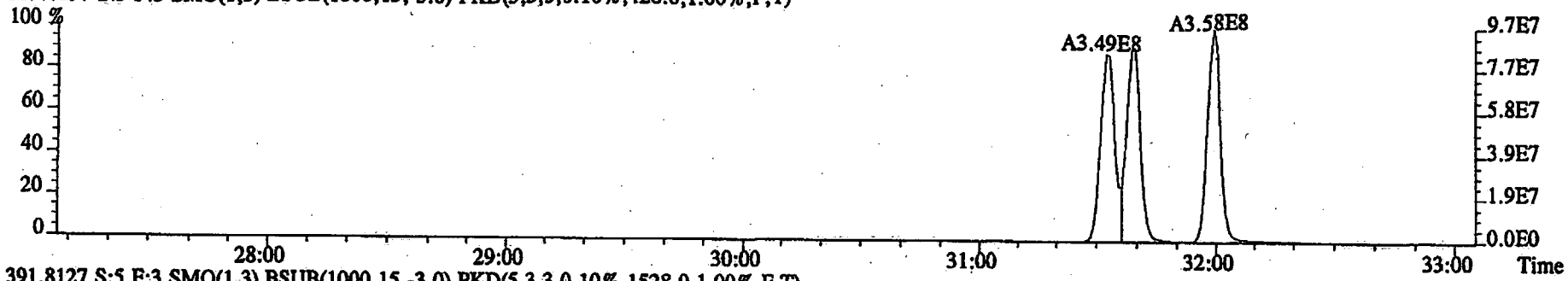
1236

STL Edison

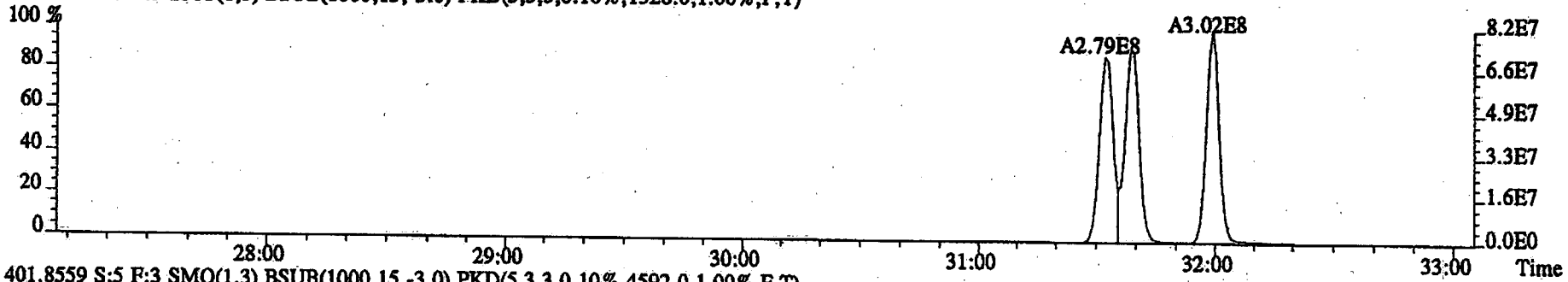
U855

File:09DE049D5 #1-452 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

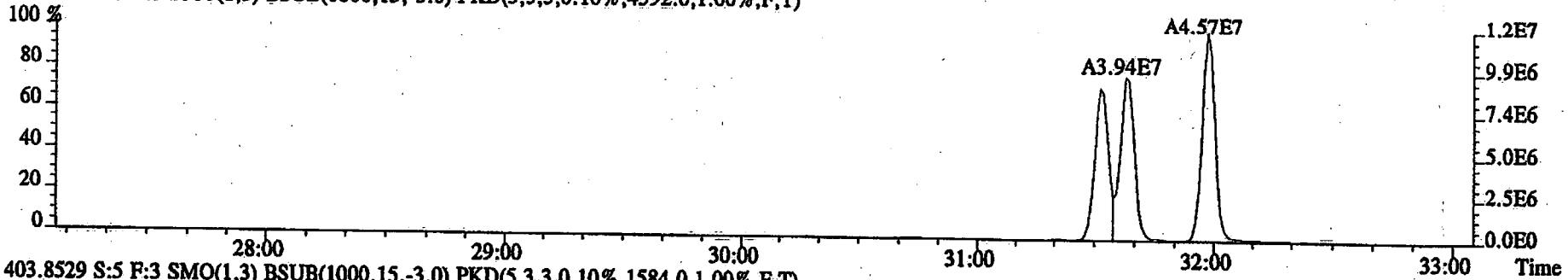
389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,428.0,1.00%,F,T)



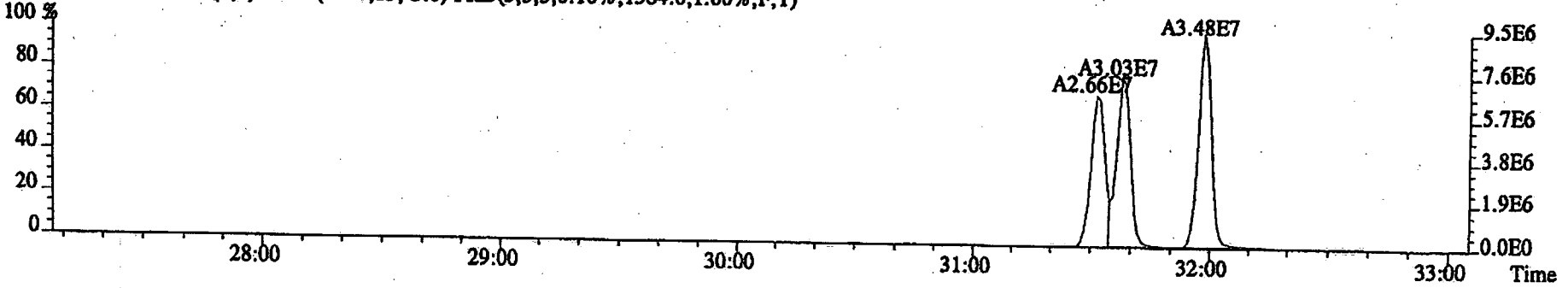
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4592.0,1.00%,F,T)



403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)



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STL Edison

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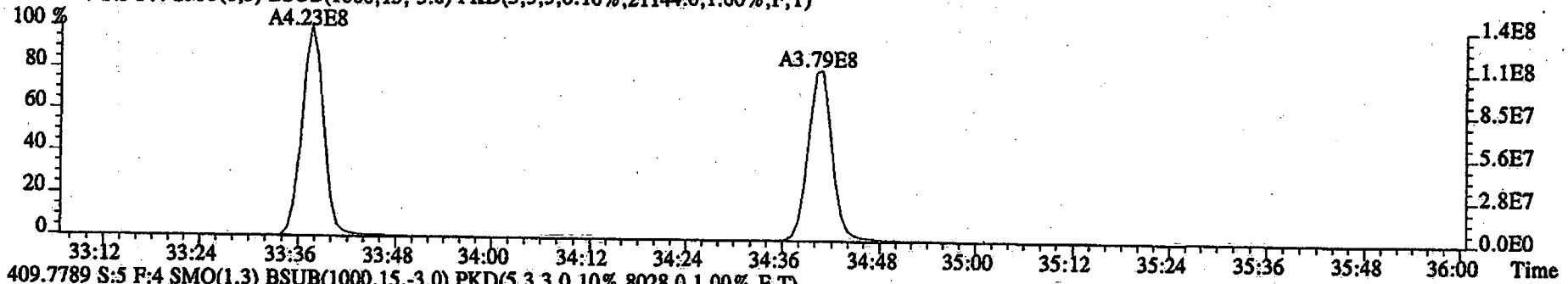
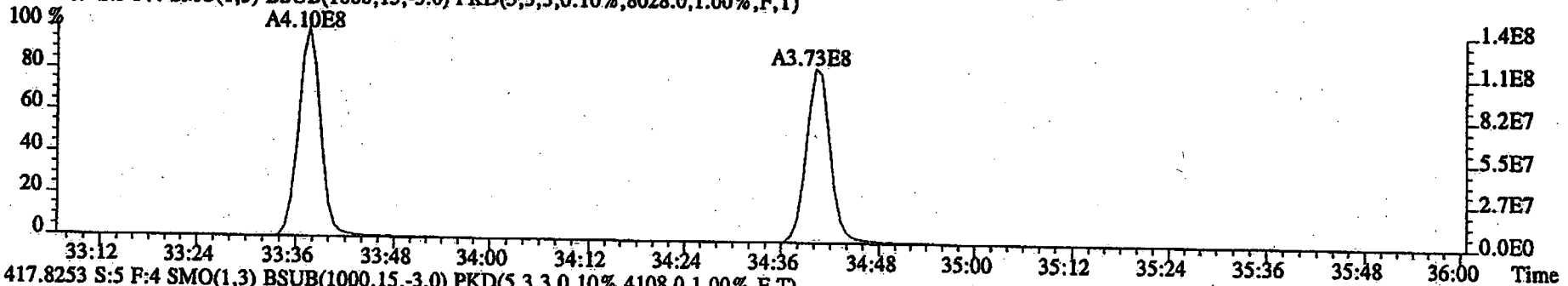
File:09DE049D5 #1-232 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

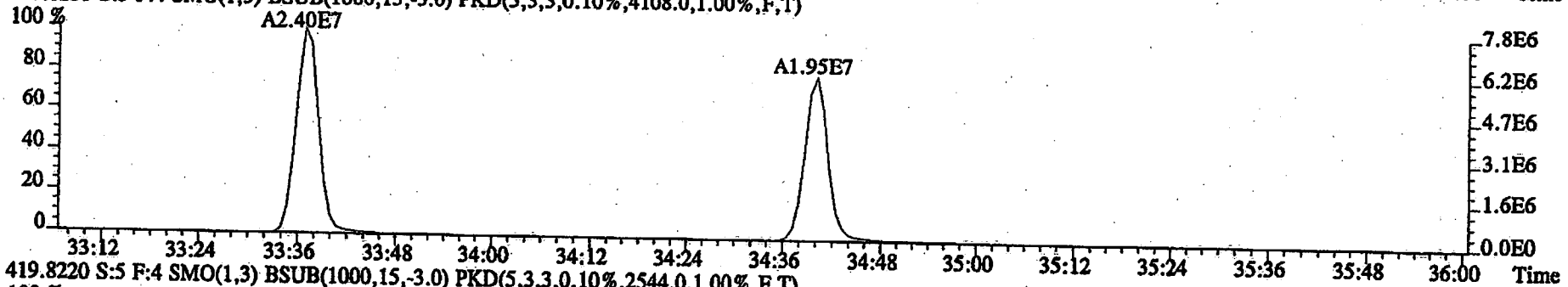
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21144.0,1.00%,F,T)



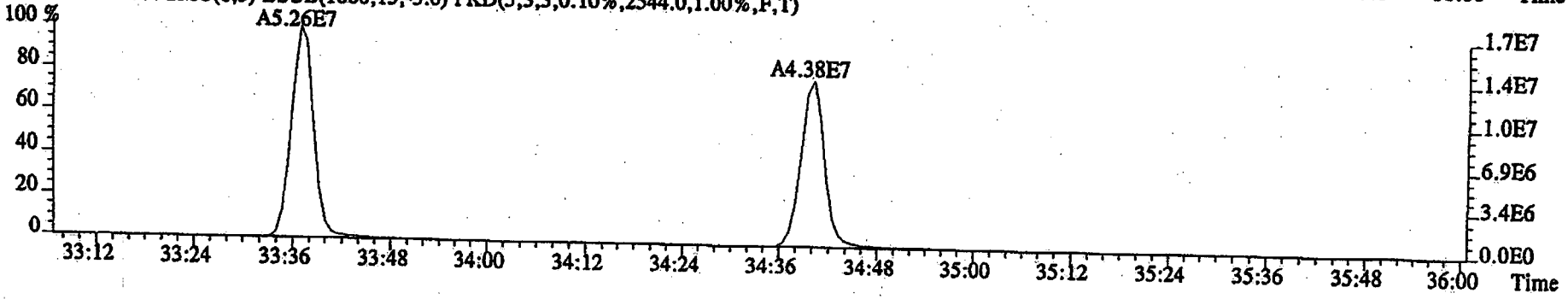
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8028.0,1.00%,F,T)



417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4108.0,1.00%,F,T)



419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2544.0,1.00%,F,T)



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STL Edison

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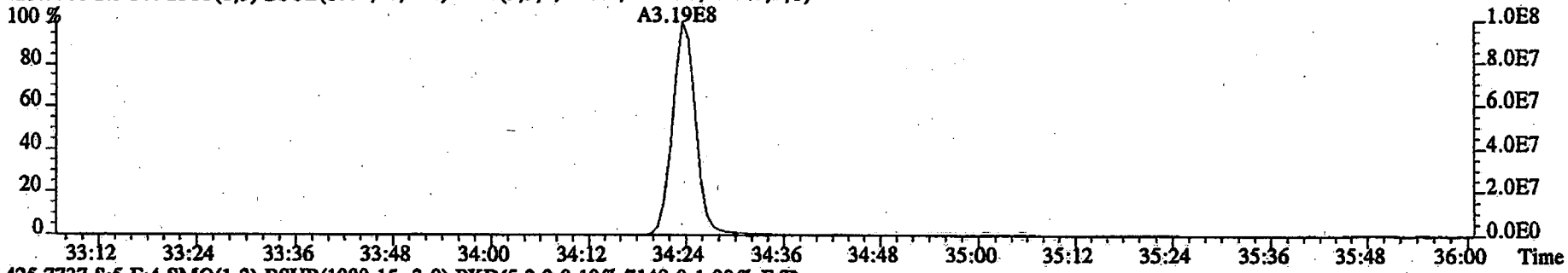
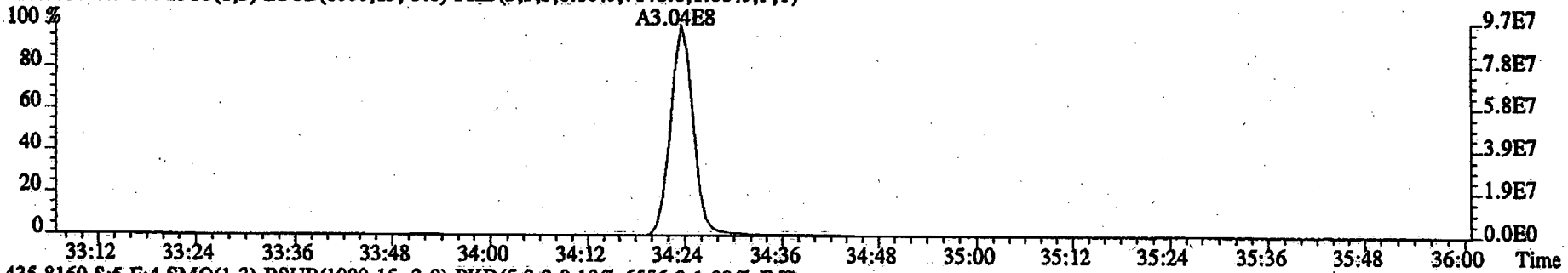
File:09DE049D5 #1-232 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

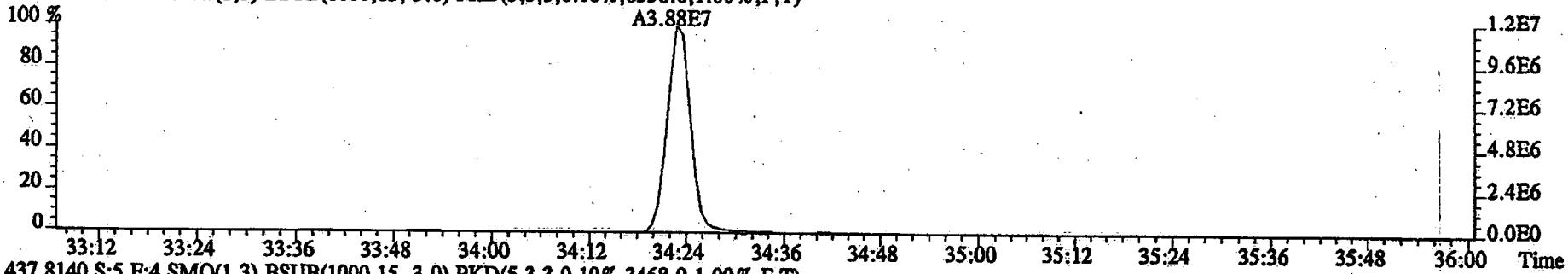
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12172.0,1.00%,F,T)



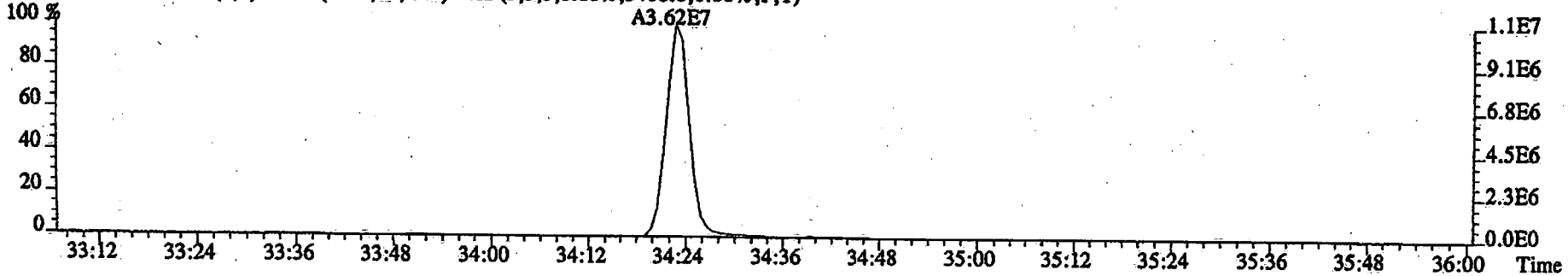
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7148.0,1.00%,F,T)



435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6556.0,1.00%,F,T)



437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)



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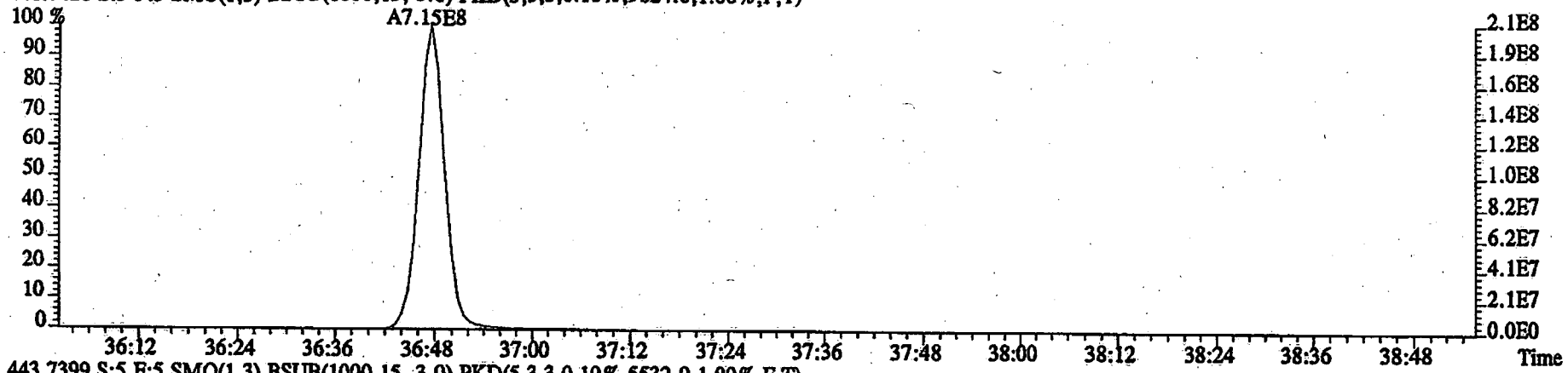
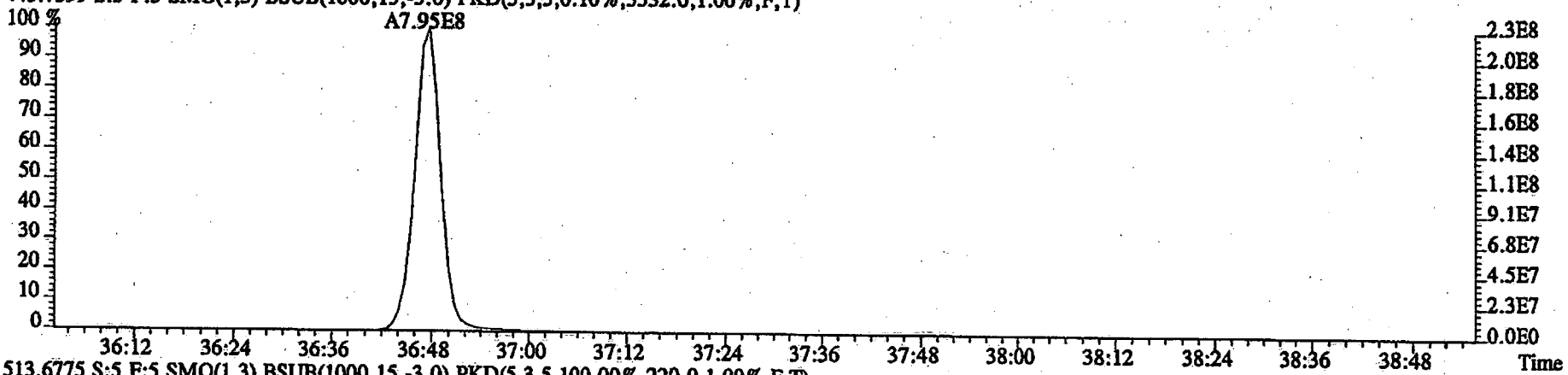
STL Edison
U855

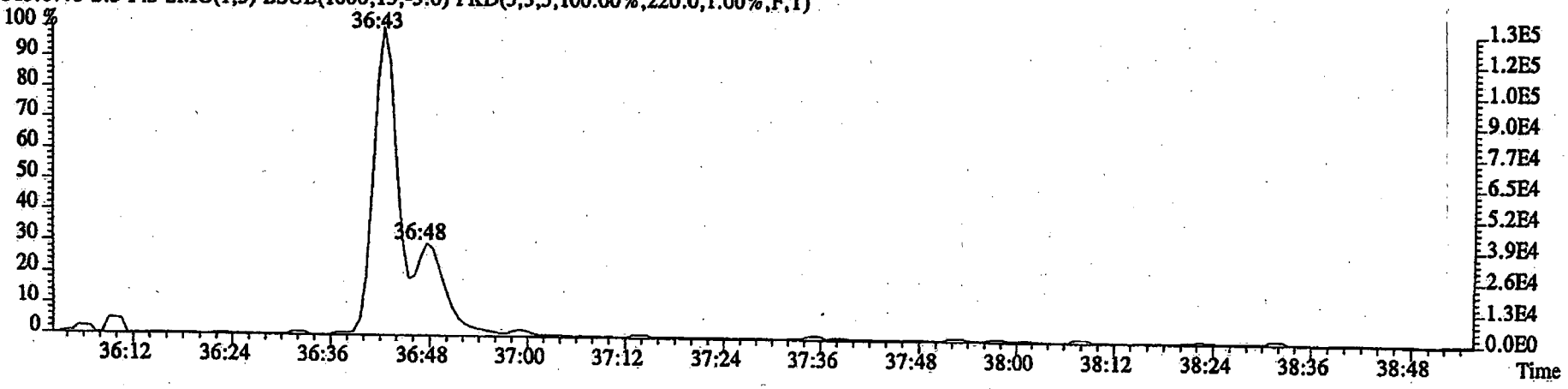
File:09DE049D5 #1-234 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9624.0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5532.0,1.00%,F,T)



513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,220.0,1.00%,F,T)



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STL Edison

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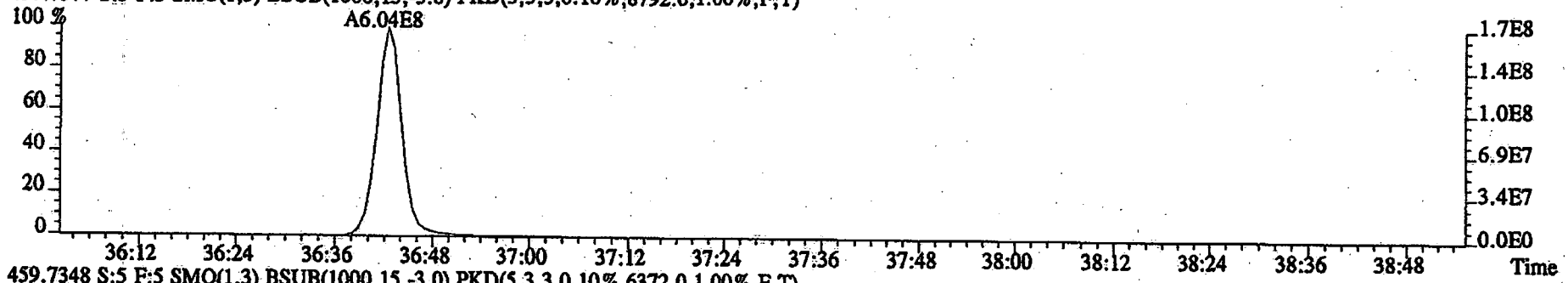
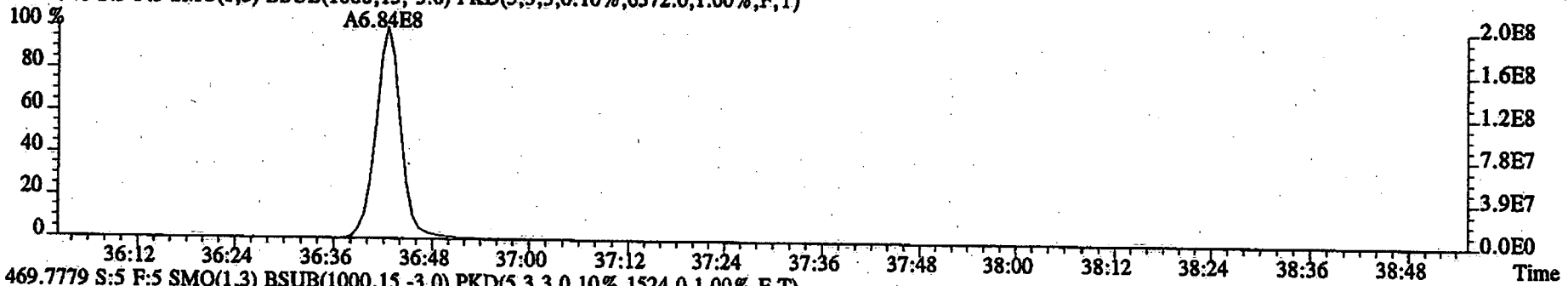
File:09DE049D5 #1-234 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

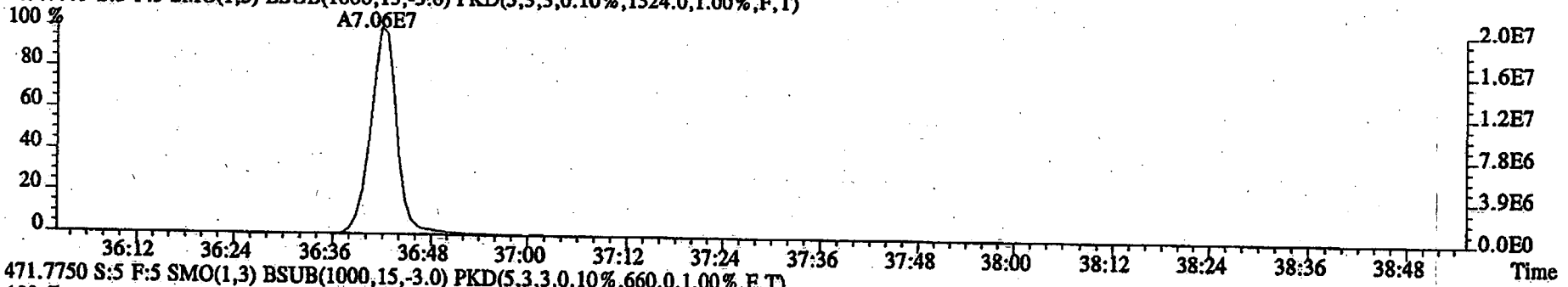
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8792.0,1.00%,F,T)



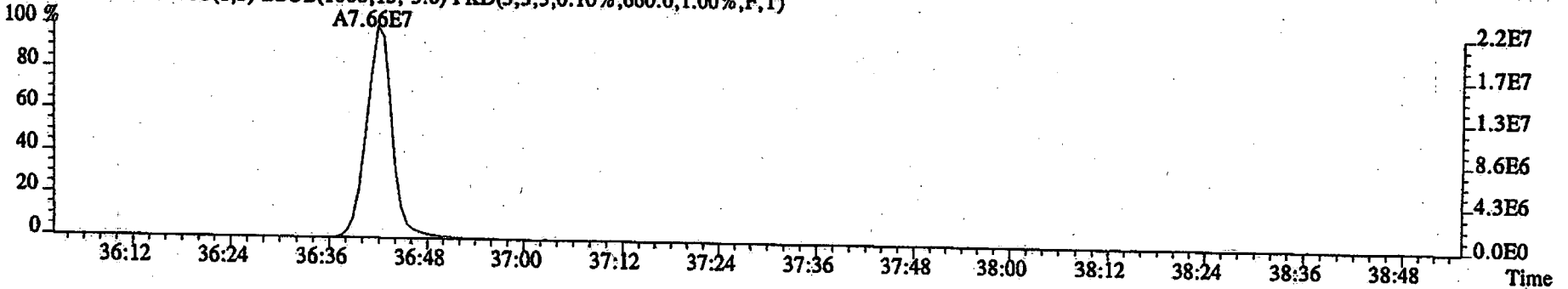
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6372.0,1.00%,F,T)



469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)



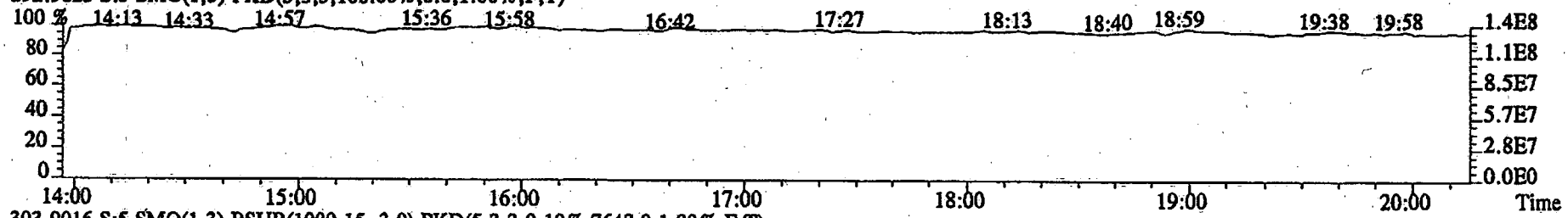
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,660.0,1.00%,F,T)



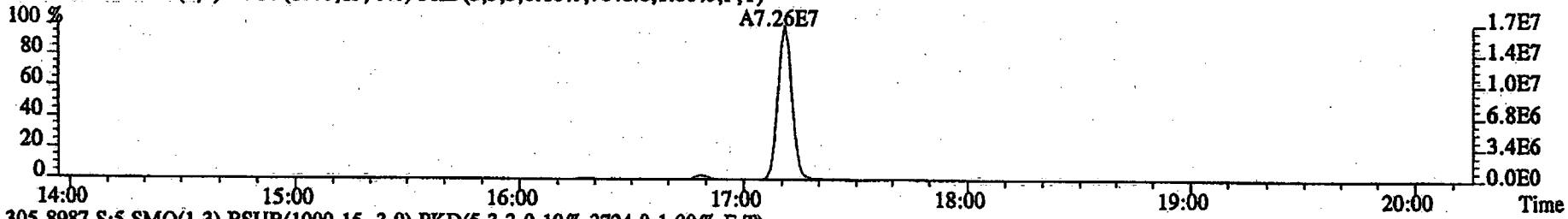
1241
STL Edison
U855

File:09DE049D5 #1-393 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

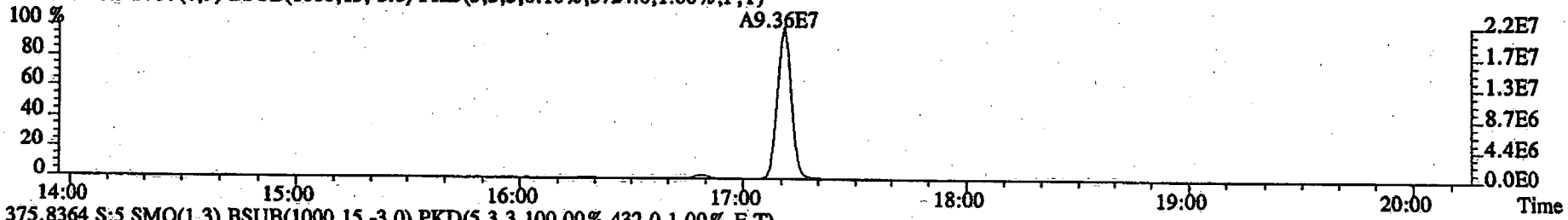
292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



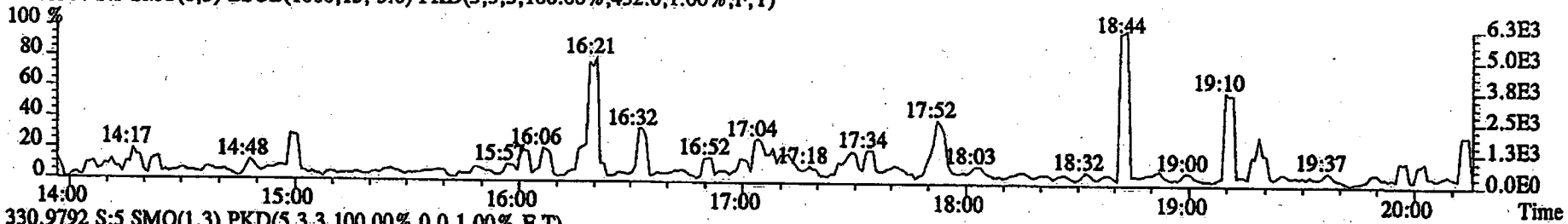
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7648.0,1.00%,F,T)



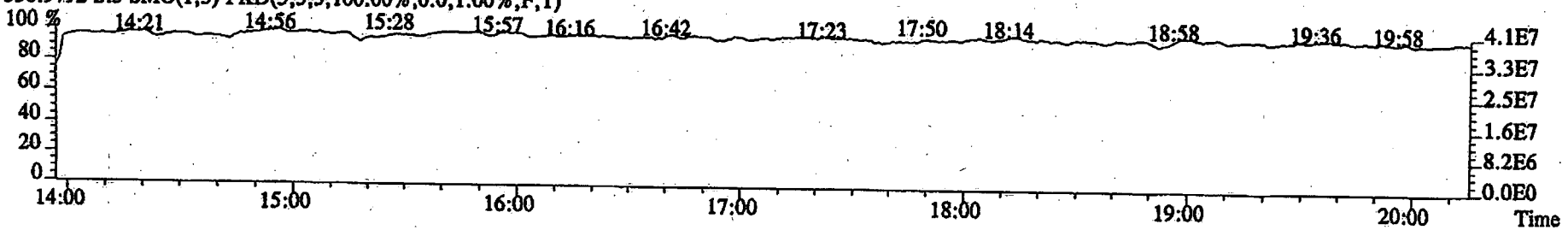
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)



375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,432.0,1.00%,F,T)



330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



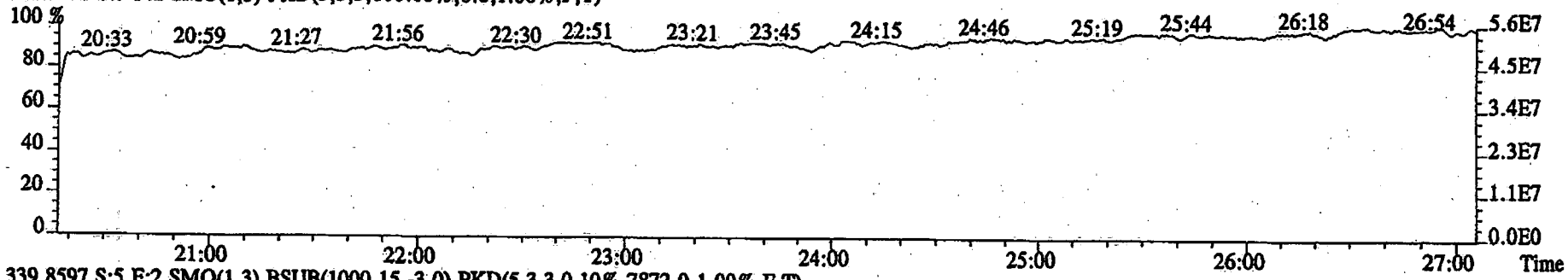
1242

STL Edison

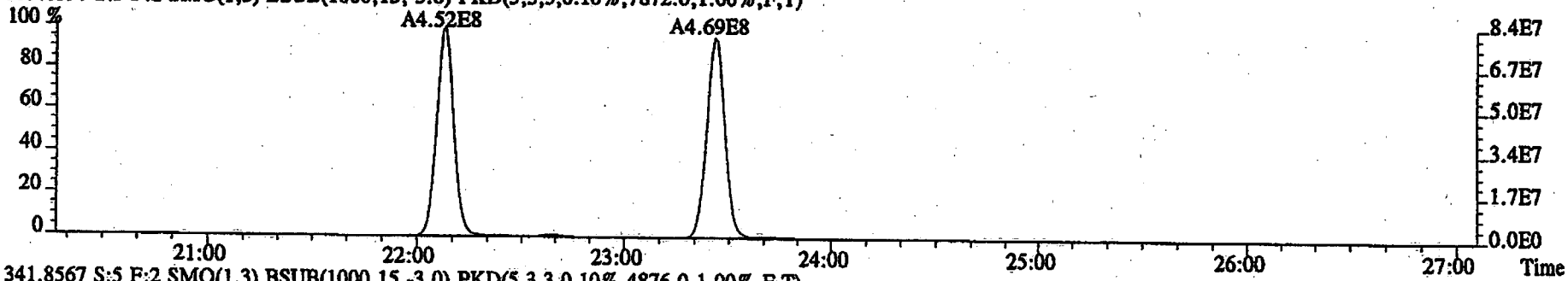
U855

File:09DE049D5 #1-544 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

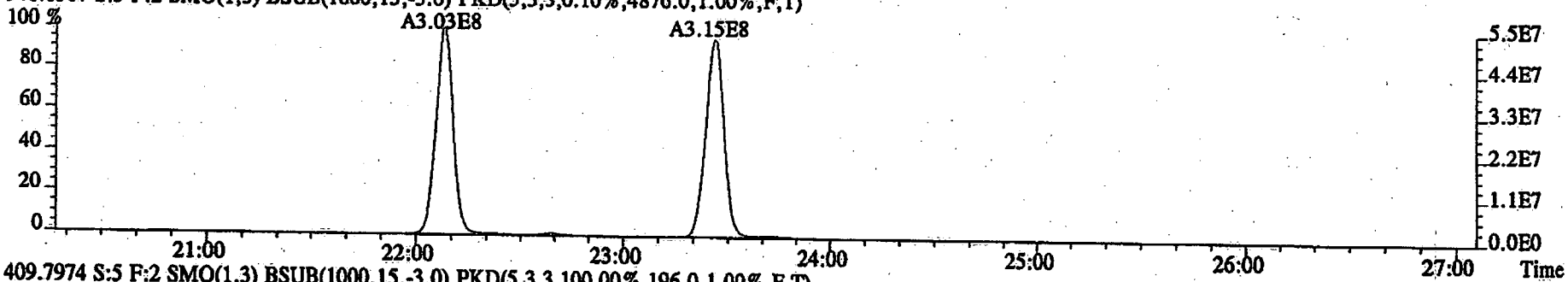
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



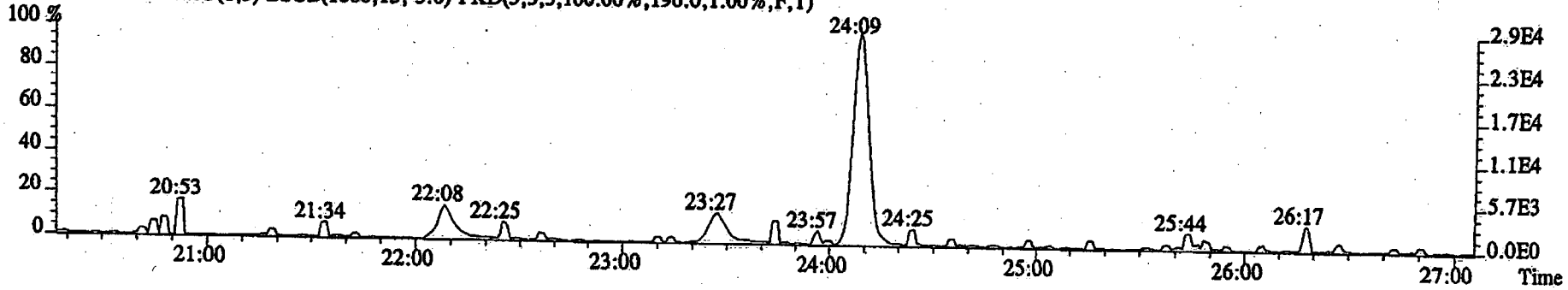
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)



341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4876.0,1.00%,F,T)



409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,196.0,1.00%,F,T)



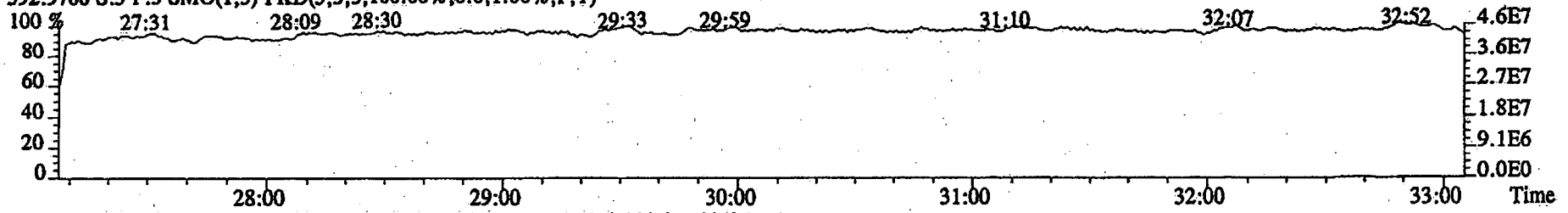
1243

STL Edison

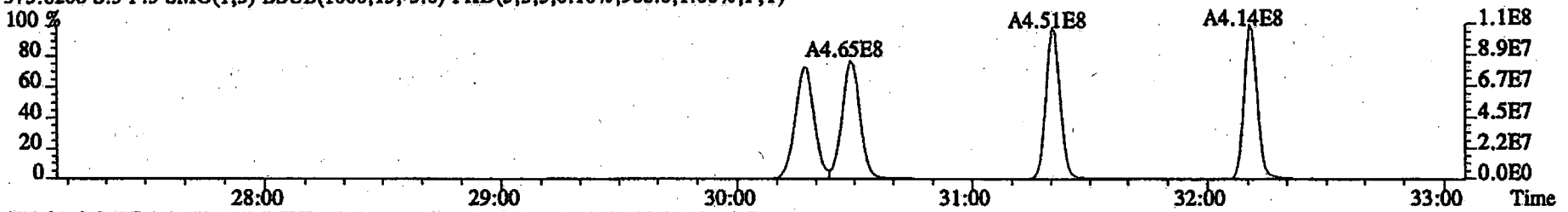
U855

File:09DE049D5 #1-452 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN

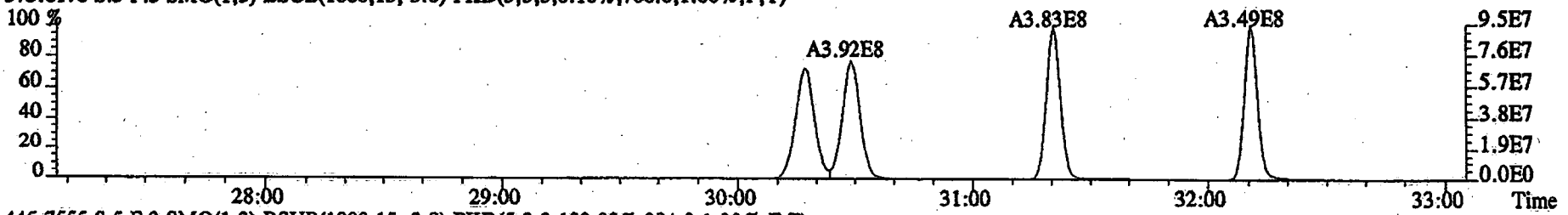
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



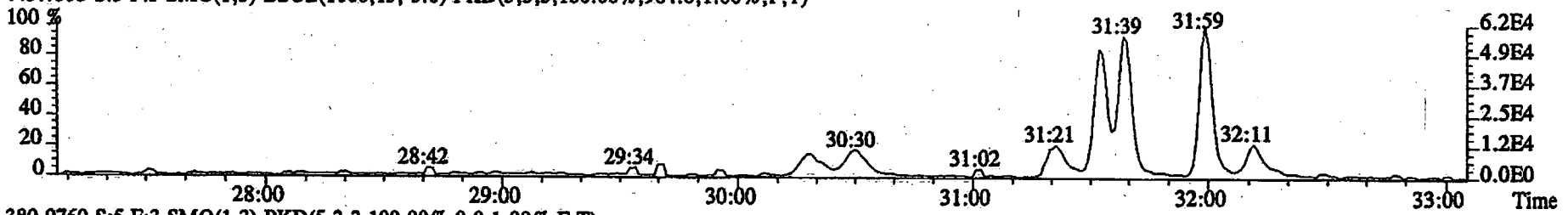
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,988.0,1.00%,F,T)



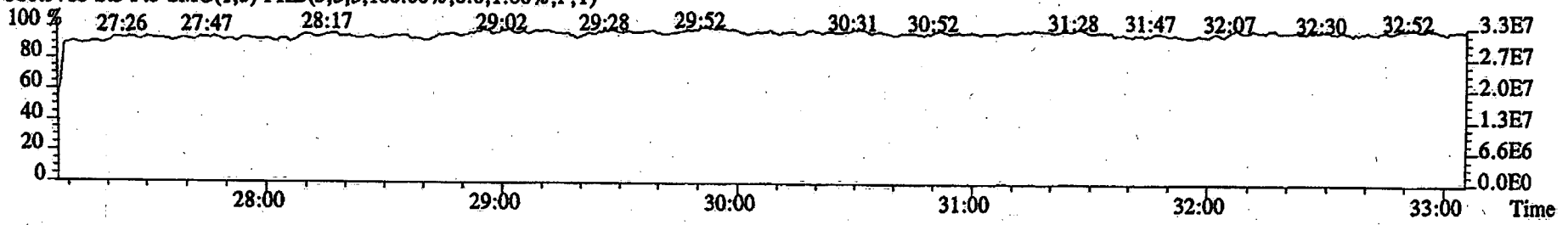
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)



445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,984.0,1.00%,F,T)



380.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

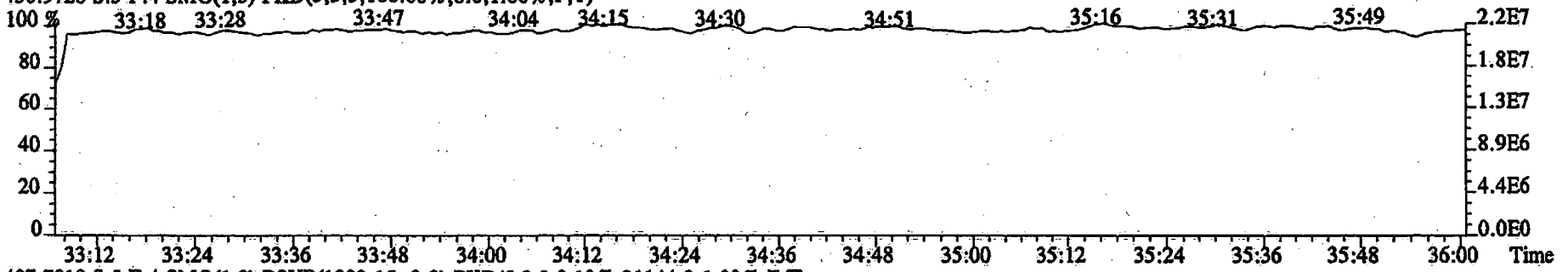


1244

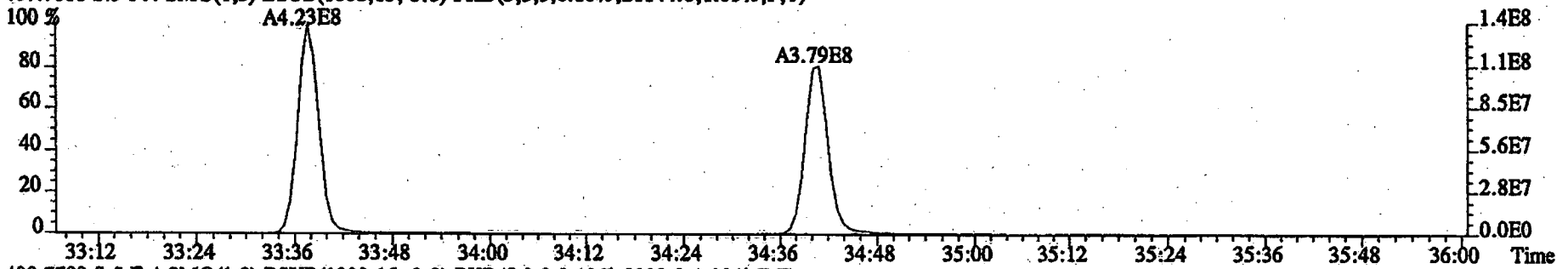
STL Edison

U855

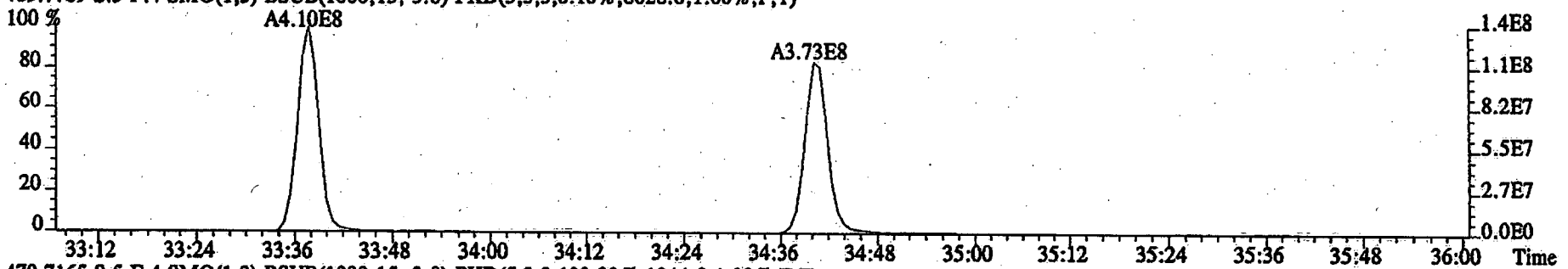
File:09DE049D5 #1-232 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



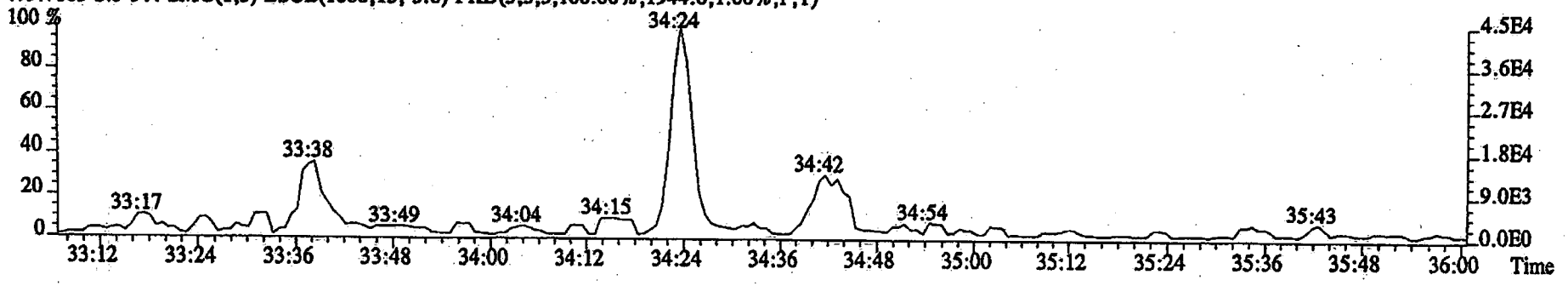
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21144.0,1.00%,F,T)



409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8028.0,1.00%,F,T)



479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1944.0,1.00%,F,T)

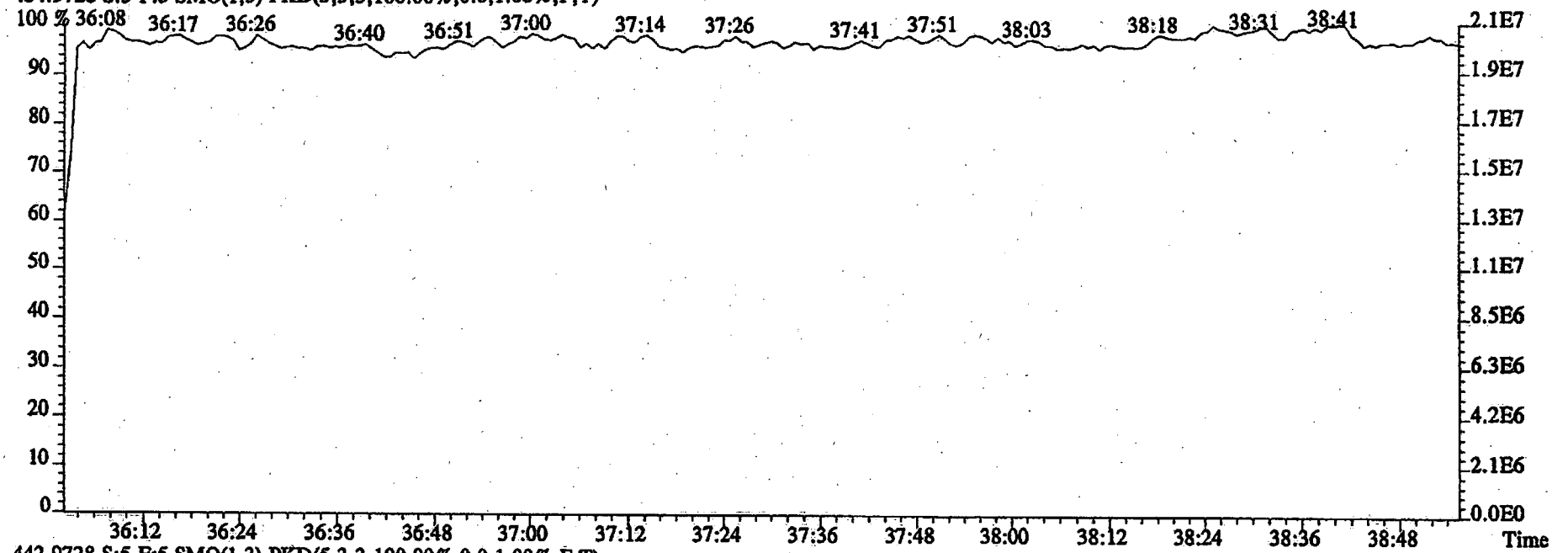


1245

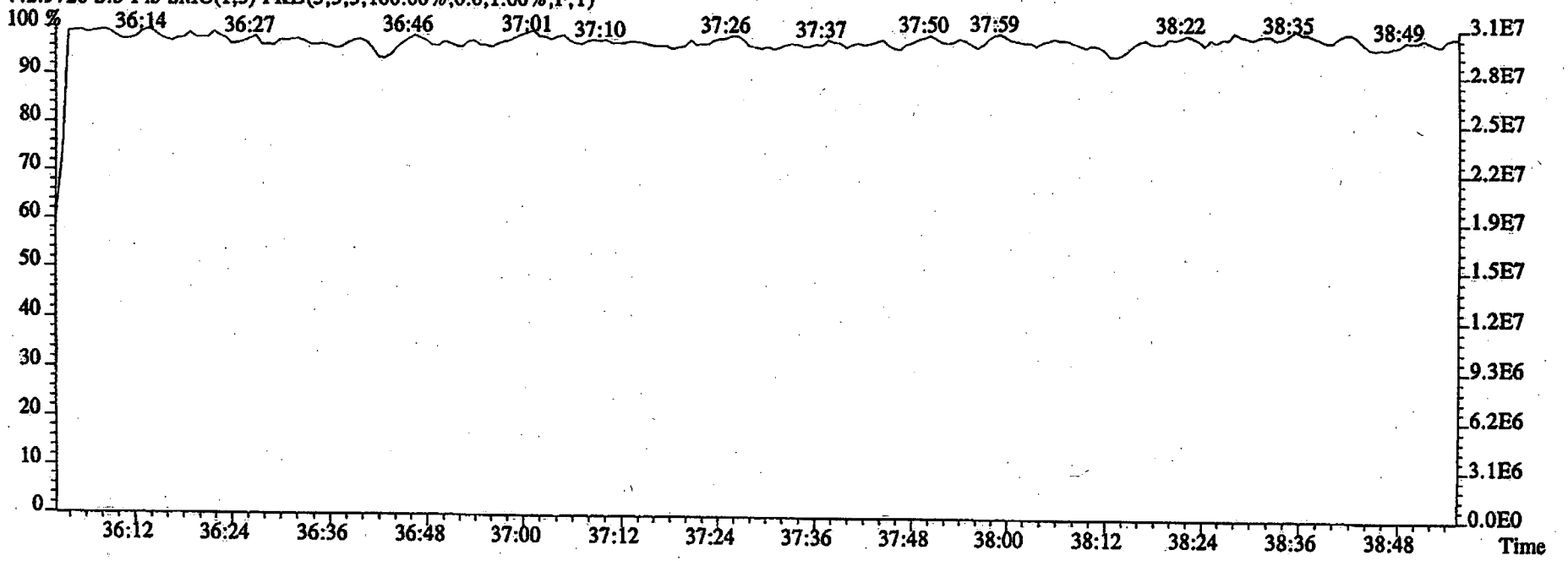
STL Edison

U855

File:09DE049D5 #1-234 Acq: 9-DEC-2004 16:30:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1209D :CS3 2416-23E Exp:DIOXIN
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1246

STL Edison

U855

SEVERN TRENT SERVICES

Initial Calibration Checklist
High Resolution

ICAL ID (DB-225, DB-225AIR) 0324057D2

Method ID 8290, 1613B, 1613B (Tetras), 551, TO9, 23, 0023A

Column ID DB-225

Instrument ID 7D2

STD ID's ST0324, ST0324A, ST0324B ST0324C, ST0324D

STD Solution 2416-63A, 2416-63B 2416-63C, 2416-63D, 2416-63E

Multiplier Setting 450V

Analyzed By SMA/AM

Date Analyzed 03-24-05

Prepared By SMA

Date Prepared 03-25-05

Reviewed By CP:dcN

Date Reviewed 3-25-05

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?*	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

*Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
Method 1613A: %CV ≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
DBD/DBF: %RSD ≤ 30% for natives, ≤ 40% for labeled analytes; S/N ≥ 10

Run: ICAL Analyte: DB225 Cal: DB2250324057D2

ST0324 :CS1 2416-63A ST0324A :CS2 2416-63B ST0324B :CS3 2416-63C
ST0324C :CS4 2416-63D ST0324D :CS5 2416-63E

Name	Mean	S. D.	%RSD	24MR057D2 S1 RRF1	24MR057D2 S2 RRF2	24MR057D2 S3 RRF3	24MR057D2 S4 RRF4	24MR057D2 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.741	0.014	0.792	1.74	1.73	1.72	1.75	1.76
2,3,7,8-TCDF	0.781	0.146	18.7 %	0.61	0.65	0.81	0.91	0.93
13C-2,3,7,8-TCDD	1.100	0.033	3.02 %	1.06	1.09	1.10	1.09	1.15
2,3,7,8-TCDD	0.825	0.154	18.6 %	0.67	0.68	0.82	0.96	1.00
37Cl-2,3,7,8-TCDD	0.973	0.214	22.0 %	0.84	0.73	0.93	1.10	1.27

Run #1 Filename 24MR057D2 S: 1 I: 1
Acquired: 24-MAR-05 10:23:26 Processed: 25-MAR-05 12:08:00
Run: ICAL Analyte: DB225 Cal: DB2250324057D2
Comments:
Sample text: ST0324 :CS1 2416-63A

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	143242600	0.81	y	12:06	-	100.00	n
13C-2,3,7,8-TCDF	249855000	0.81	y	13:02	1.74	100.00	n
2,3,7,8-TCDF	766921	0.77	y	13:03	0.61	0.50	n
13C-2,3,7,8-TCDD	151943500	0.77	y	11:52	1.06	100.00	n
2,3,7,8-TCDD	505213	0.73	y	11:53	0.67	0.50	n
37Cl-2,3,7,8-TCDD	599710	1.00	y	11:53	0.84	0.50	n

Run #2 Filename 24MR057D2 S: 2 I: 1
Acquired: 24-MAR-05 10:59:51 Processed: 25-MAR-05 12:08:00
Run: ICAL Analyte: DB225 Cal: DB2250324057D2
Comments:

Sample text: ST0324A :CS2 2416-63B

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	143695000	0.79	y	12:05	-	100.00	n
13C-2,3,7,8-TCDF	248554000	0.81	y	13:00	1.73	100.00	n
2,3,7,8-TCDF	3211850	0.81	y	13:01	0.65	2.00	n
13C-2,3,7,8-TCDD	156593400	0.80	y	11:51	1.09	100.00	n
2,3,7,8-TCDD	2137159	0.76	y	11:52	0.68	2.00	n
37Cl-2,3,7,8-TCDD	2085000	1.00	y	11:51	0.73	2.00	n

Run #3 Filename 24MR057D2 S: 3 I: 1
Acquired: 24-MAR-05 11:36:16 Processed: 25-MAR-05 12:08:01
Run: ICAL Analyte: DB225 Cal: DB2250324057D2
Comments:

Sample text: ST0324B :CS3 2416-63C

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	145123900	0.81	y	12:04	-	100.00	n
13C-2,3,7,8-TCDF	250260000	0.80	y	13:00	1.72	100.00	n
2,3,7,8-TCDF	20172460	0.78	y	13:02	0.81	10.00	n
13C-2,3,7,8-TCDD	159773100	0.80	y	11:51	1.10	100.00	n
2,3,7,8-TCDD	13093550	0.77	y	11:52	0.82	10.00	n
37Cl-2,3,7,8-TCDD	13556660	1.00	y	11:52	0.93	10.00	n

Run #4 Filename 24MR057D2 S: 4 I: 1
Acquired: 24-MAR-05 12:12:42 Processed: 25-MAR-05 12:08:01
Run: ICAL Analyte: DB225 Cal: DB2250324057D2
Comments:

Sample text: ST0324C :CS4 2416-63D

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	151486400	0.81	y	12:04	-	100.00	n
13C-2,3,7,8-TCDF	264463000	0.80	y	13:01	1.75	100.00	n
2,3,7,8-TCDF	96729300	0.78	y	13:01	0.91	40.00	n
13C-2,3,7,8-TCDD	165807100	0.78	y	11:51	1.09	100.00	n
2,3,7,8-TCDD	63594600	0.78	y	11:52	0.96	40.00	n
37Cl-2,3,7,8-TCDD	66766000	1.00	y	11:52	1.10	40.00	n

Run #5 Filename 24MR057D2 S: 5 I: 1
Acquired: 24-MAR-05 12:49:07 Processed: 25-MAR-05 12:08:02
Run: ICAL Analyte: DB225 Cal: DB2250324057D2
Comments:

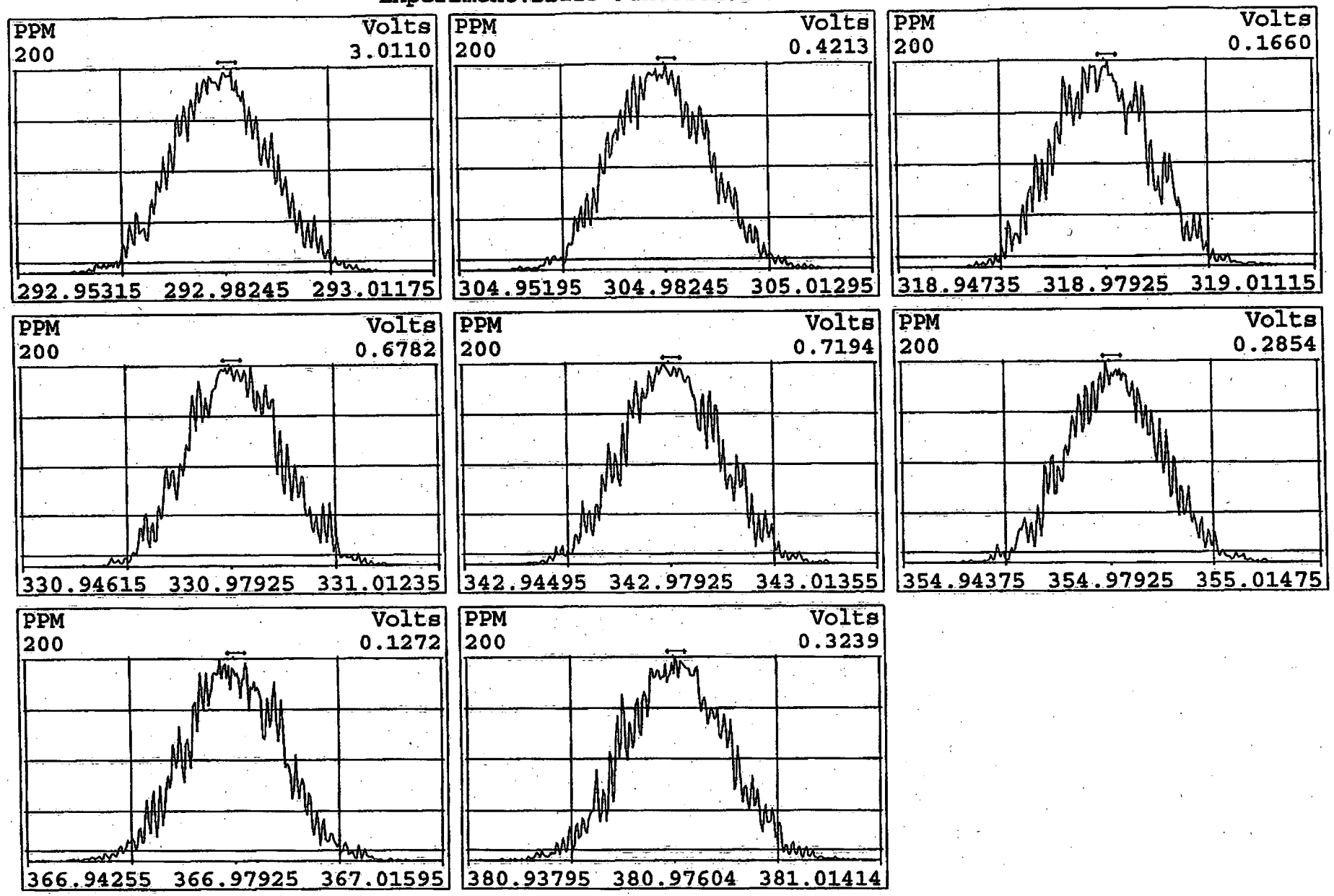
Sample text: ST0324D :CS5 2416-63E

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	154764700	0.80	y	12:04	-	100.00	n
13C-2,3,7,8-TCDF	272246000	0.81	y	13:01	1.76	100.00	n
2,3,7,8-TCDF	503965000	0.79	y	13:02	0.93	200.00	n
13C-2,3,7,8-TCDD	178316100	0.79	y	11:51	1.15	100.00	n
2,3,7,8-TCDD	356430000	0.79	y	11:52	1.00	200.00	n
37Cl-2,3,7,8-TCDD	391558000	1.00	y	11:52	1.27	200.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
24MR057D2	1	ST0324	CS1 2416-63A				1.000	
24MR057D2	2	ST0324A	CS2 2416-63B				1.000	
24MR057D2	3	ST0324B	CS3 2416-63C				1.000	
24MR057D2	4	ST0324C	CS4 2416-63D				1.000	
24MR057D2	5	ST0324D	CS5 2416-63E				1.000	
24MR057D2	6	SB0324	Solvent Blank C-14				1.000	
24MR057D2	7	ST0324E	2416-58 SS				1.000	
24MR057D2	8	ST0324F	CS3 2416-63C				1.000	
24MR057D2	9	CP0324	DB-225 CPSM 2416-28				1.000	
24MR057D2	10	SB0324A	Solvent Blank C-14				1.000	
24MR057D2	11	G581M-1-AC	G5C150230-4	20	8290/SOLID	8	10.000	g
24MR057D2	12	G581N-1-AC	G5C150230-5	20	8290/SOLID		10.000	g
24MR057D2	13	G581P-1-AC	G5C150230-6	20	8290/SOLID		10.000	g
24MR057D2	14	G581R-1-AC	G5C150230-7	20	8290/SOLID		10.000	g
24MR057D2	15	G581T-1-AC	G5C150230-8	20	8290/SOLID		10.000	g
24MR057D2	16	G581W-1-AC	G5C150230-10	20	8290/SOLID		10.000	g
24MR057D2	17	G586V-1-AC	F5C150257-1	20	8290/SOLID	7	10.000	g
24MR057D2	18	G586V-1-D9	F5C150257-1S	20	8290/SOLID		10.000	g
24MR057D2	19	G586V-1-AE	F5C150257-1D	20	8290/SOLID		10.000	g
24MR057D2	20	G5LFR-2-AC	F5C040359-1RX	20	8290/SOLID	9	10.000	g
24MR057D2	21	G5LFR-1-GH	F5C040359-1S	20	8290/SOLID		10.000	g
24MR057D2	22	G5LFR-1-GJ	F5C040359-1D	20	8290/SOLID		10.000	g
24MR057D2	23	G5LH4-2-AN	F5C040359-2RX	20	8290/SOLID		10.000	g
24MR057D2	24	SB0324B	Solvent Blank C-14				1.000	
24MR057D2	25	ST0324G	CS3 2416-63C				1.000	
24MR057D2	26	CP0324A	DB-225 CPSM 2416-28				1.000	
24MR057D2	27	SB0324C	Solvent Blank C-14				1.000	
24MR057D2	28	G6PQJ-1-AAB	G5C150272-1MB	20	1613B/SOLID	9	10.000	g
24MR057D2	29	G588T-1-AC	G5C150272-1	20	1613B/SOLID		10.000	g
24MR057D2	30	G6P8E-1-AC	G5C220216-1	20	8290/SOLID	10	10.000	g
24MR057D2	31	G6P8E-1-	G5C220216-1MS	20	8290/SOLID		10.000	g
24MR057D2	32	G6P8E-1-	G5C220216-1SD	20	8290/SOLID		10.000	g
24MR057D2	33	G55TH-1-AC	G5C120181-3 (20X)	20	8290/SOLID	8	10.000	g
24MR057D2	34	G55TH-1-AE	G5C120181-3MS (20X)	20	8290/SOLID		10.000	g
24MR057D2	35	G55TH-1-AD	G5C120181-3SD (20X)	20	8290/SOLID		10.000	g
24MR057D2	36	SB0324D	Solvent Blank C-14				1.000	
24MR057D2	37	G6D3M-1-AC	G5C160389-1 (10X)	20	8290/SOLID	9	10.000	g
24MR057D2	38	G6D3P-1-AC	G5C160389-2 (10X)	20	8290/SOLID		10.000	g
24MR057D2	39	G6D3R-1-AC	G5C160389-3 (20X)	20	8290/SOLID		10.000	g
24MR057D2	40	SB0324E	Solvent Blank C-14				1.000	
24MR057D2	41	ST0324H	CS3 2416-63C				1.000	
24MR057D2	42						1.000	
24MR057D2	43						1.000	
24MR057D2	44						1.000	
24MR057D2	45						1.000	
24MR057D2	46						1.000	
24MR057D2	47		SMA, AM 03-24-05				1.000	
24MR057D2	48						1.000	

1 cc filed collected 3-25-05 CS

Peak Locate Examination:24-MAR-2005:10:22 File:24MR057D2
Experiment:DB225 Function:1 Reference:PFK

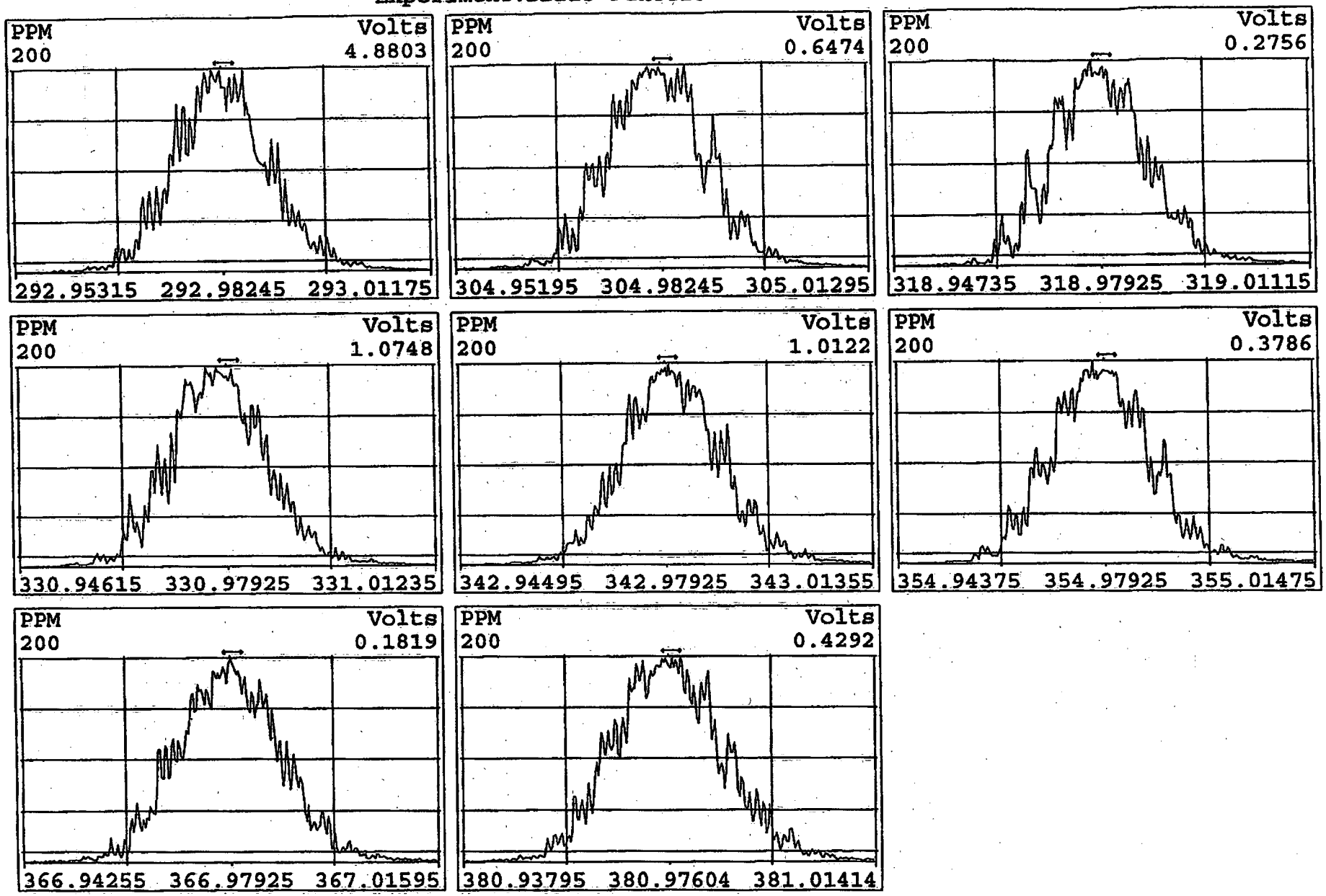


1255

STL Edison

U855

Peak Locate Examination:25-MAR-2005:11:37 File:24MR057D2ENDRES
Experiment:DB225 Function:1 Reference:PFK



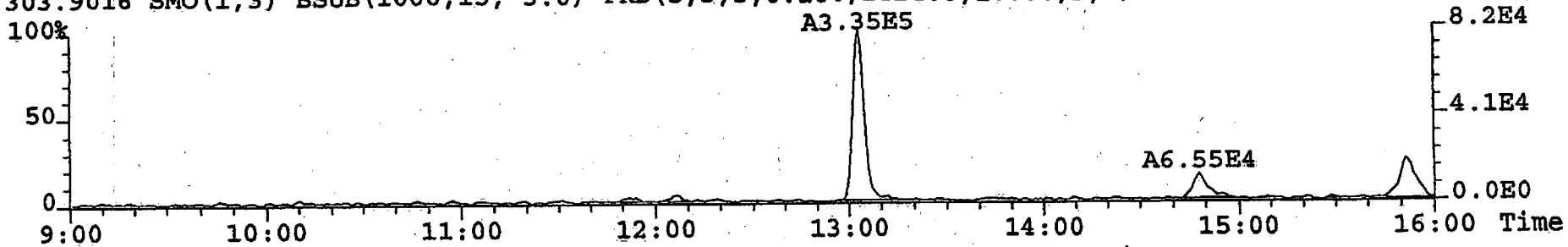
1256

STL Edison

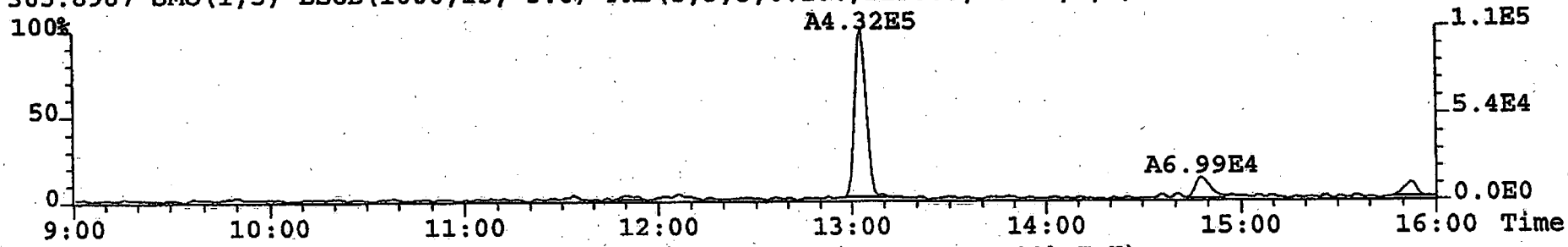
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:23:26 GC EI+ Voltage SIR 70S
Sample#1 Text:ST0324 :CS1 2416-63A Exp:DB225

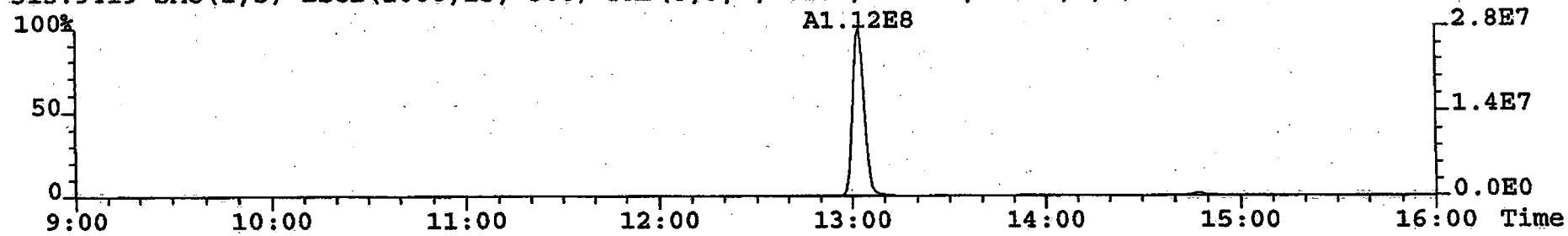
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1424.0,1.00%,F,T)



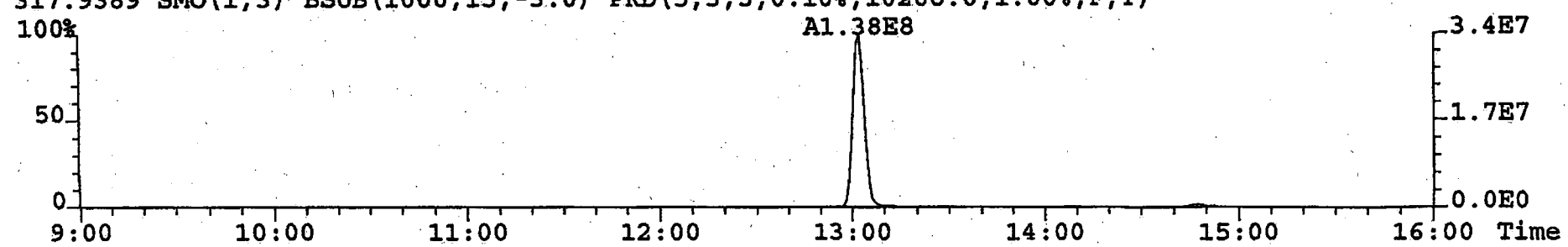
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7508.0,1.00%,F,T)



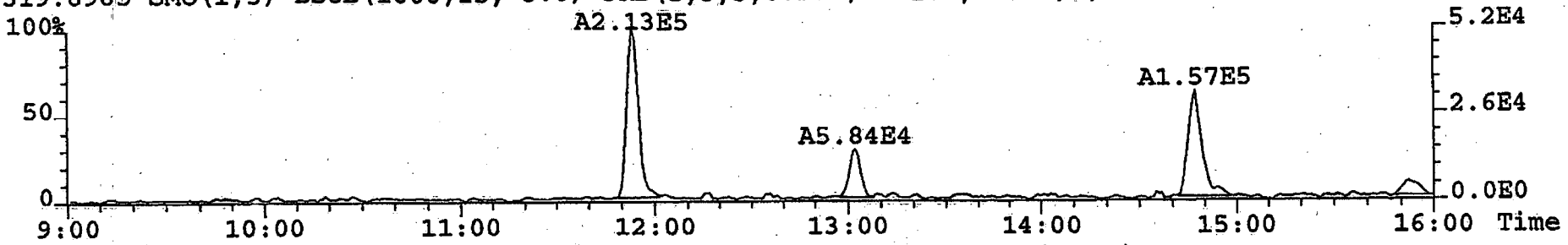
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10268.0,1.00%,F,T)



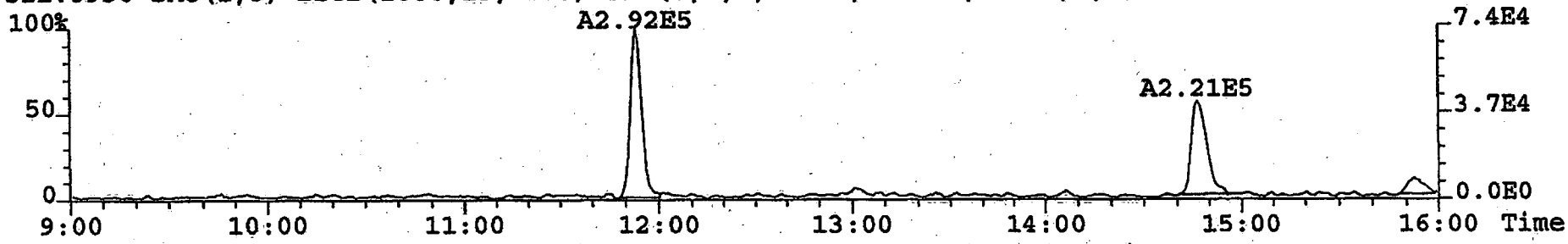
1257
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:23:26 GC EI+ Voltage SIR 70S
Sample#1 Text:ST0324 :CS1 2416-63A Exp:DB225

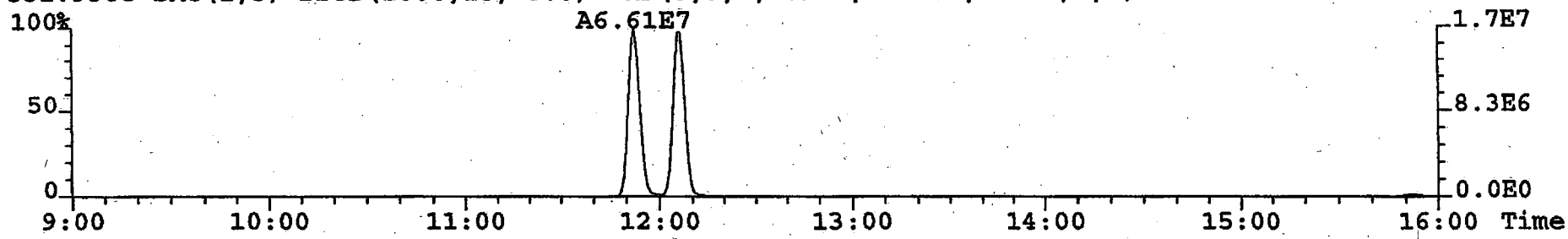
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1372.0,1.00%,F,T)



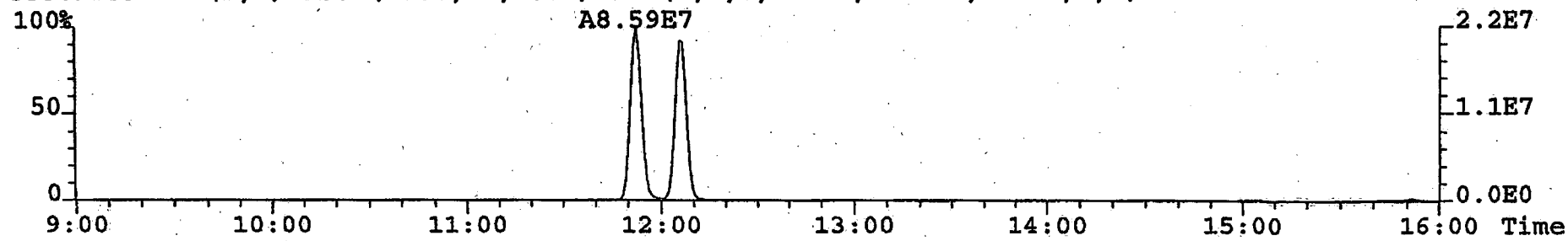
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4968.0,1.00%,F,T)



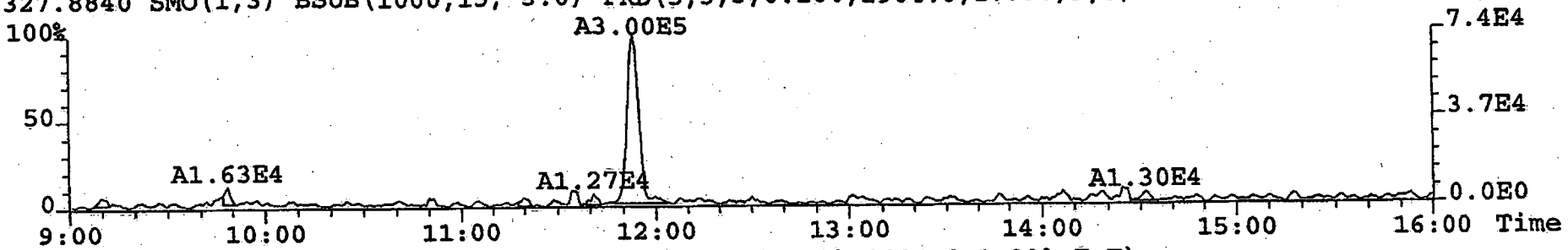
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



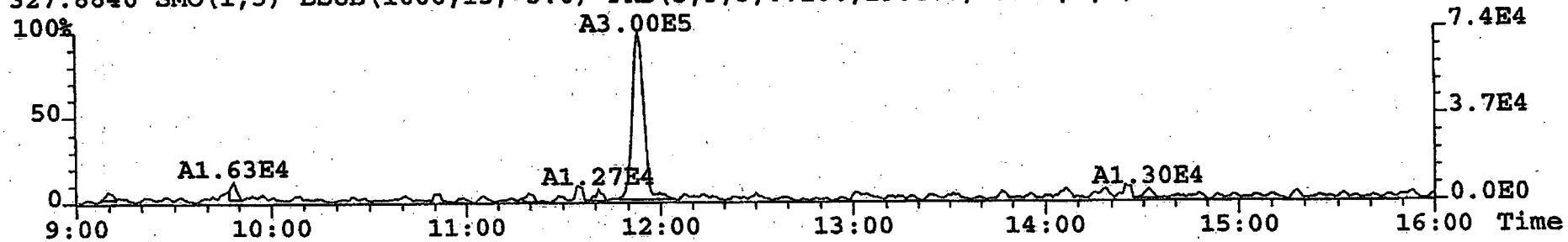
1258
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:23:26 GC EI+ Voltage SIR 70S
Sample#1 Text:ST0324 :CS1 2416-63A Exp:DB225

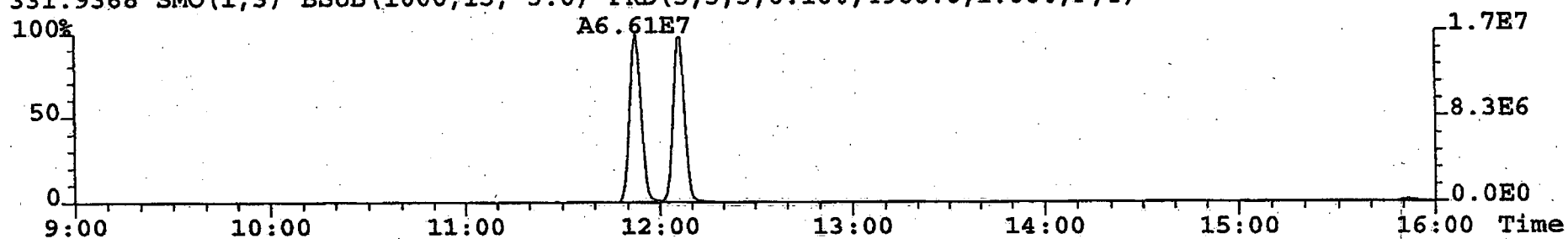
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)



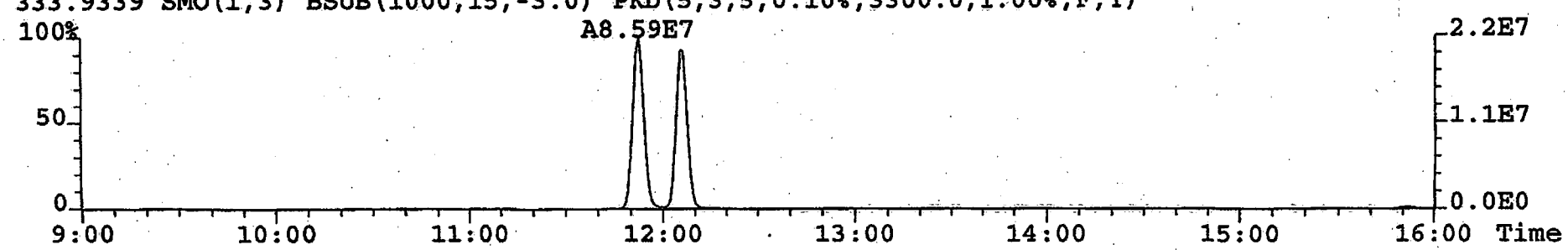
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4968.0,1.00%,F,T)

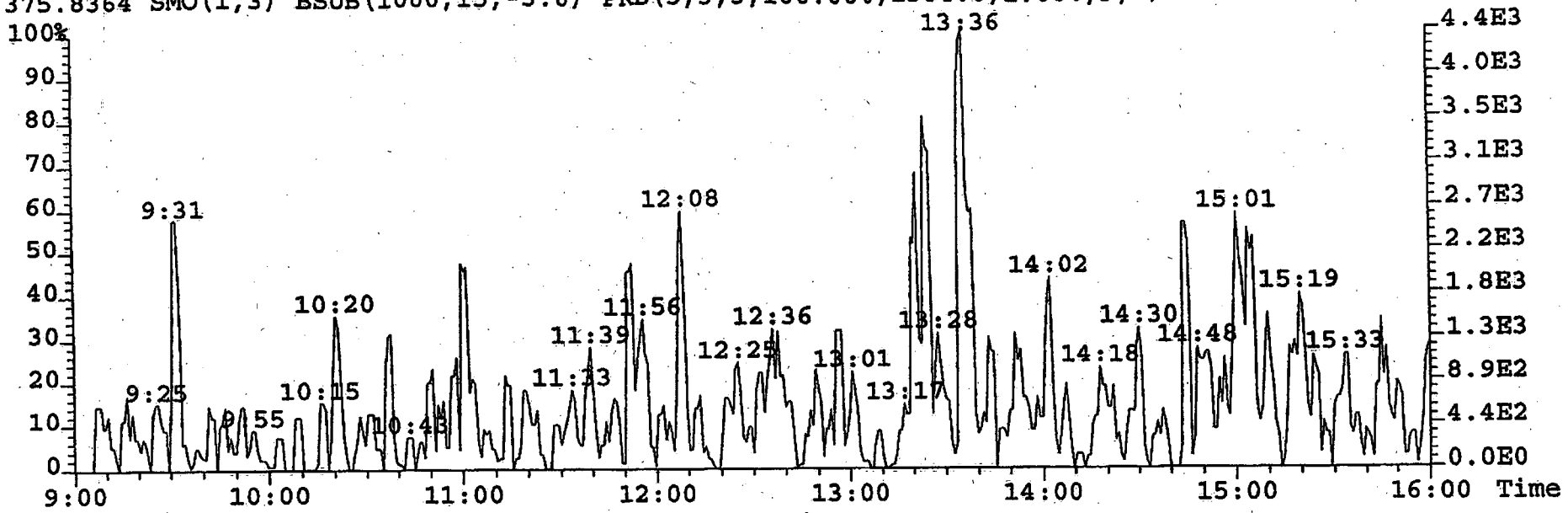


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)

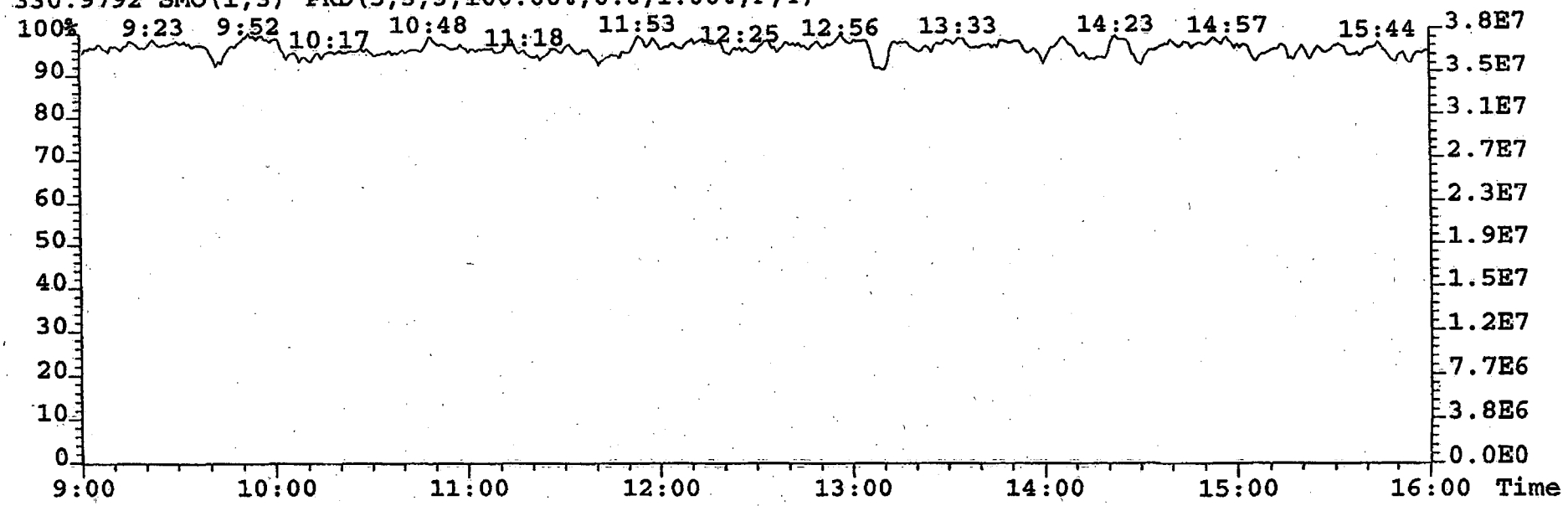


1259
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:23:26 GC EI+ Voltage SIR 70S
Sample#1 Text:ST0324 :CS1 2416-63A Exp:DB225
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



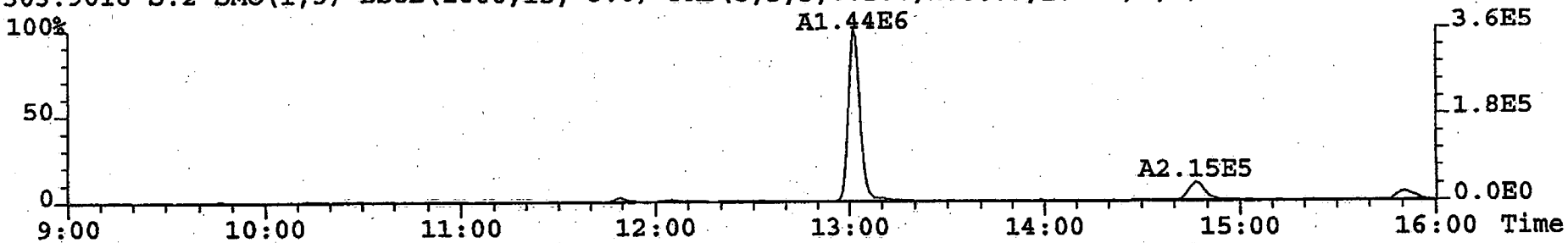
1260

STL Edison

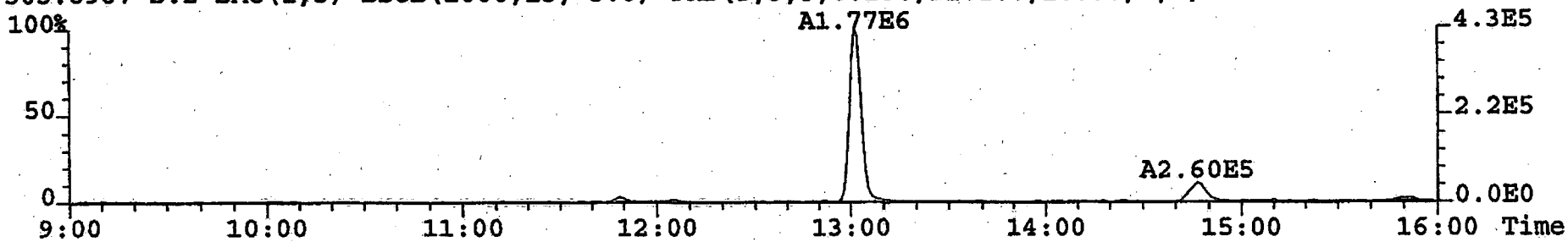
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:59:51 GC EI+ Voltage SIR 70S
Sample#2 Text:ST0324A :CS2 2416-63B Exp:DB225

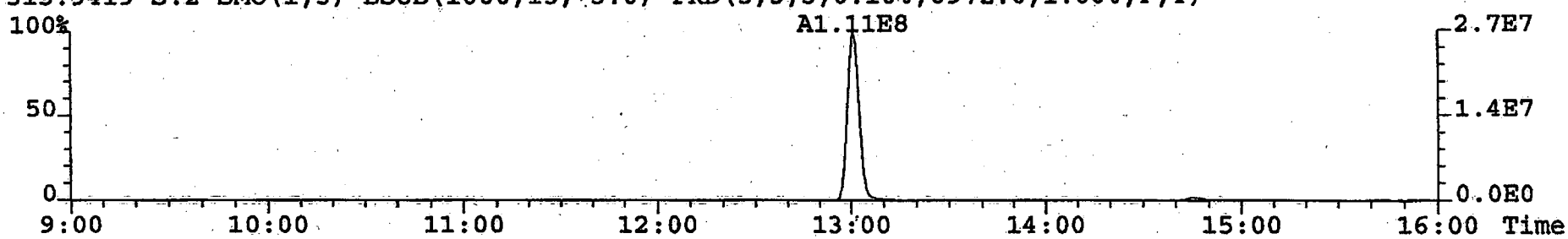
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



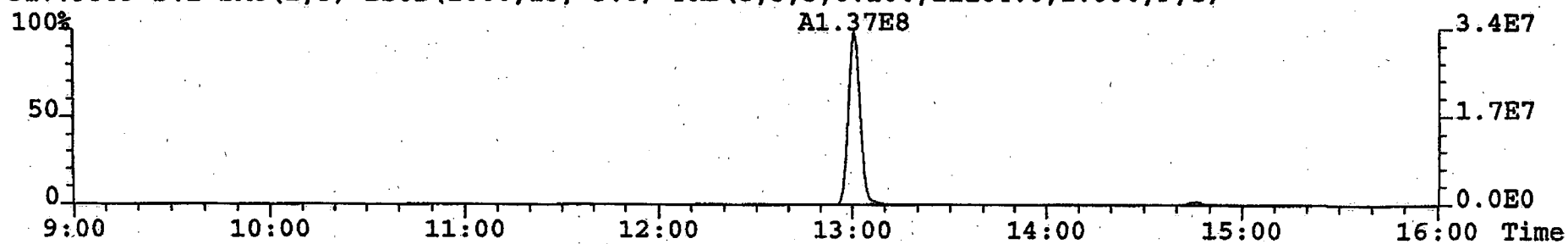
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2172.0,1.00%,F,T)



315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6972.0,1.00%,F,T)



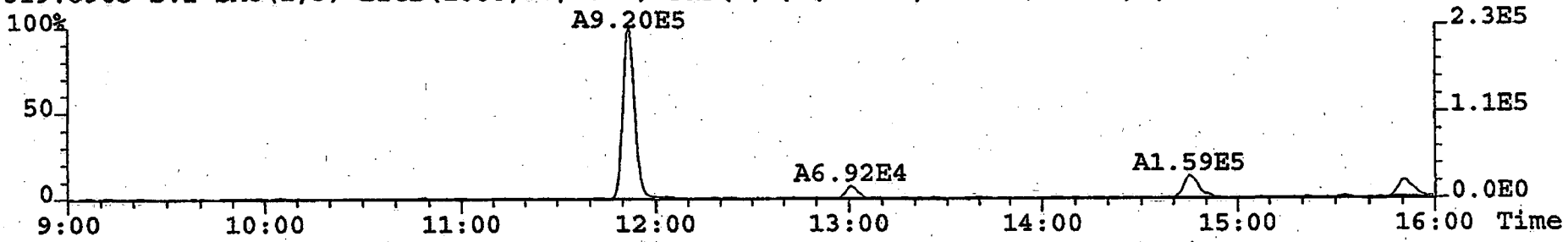
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11184.0,1.00%,F,T)



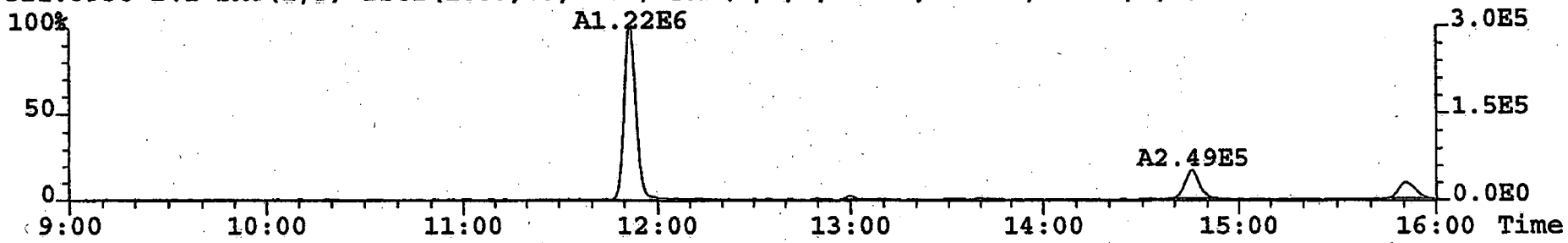
1261
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:59:51 GC EI+ Voltage SIR 70S
Sample#2 Text:ST0324A :CS2 2416-63B Exp:DB225

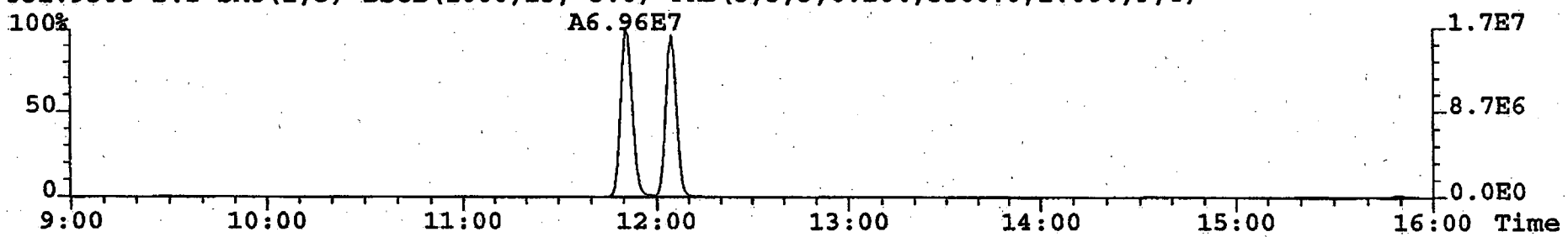
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)



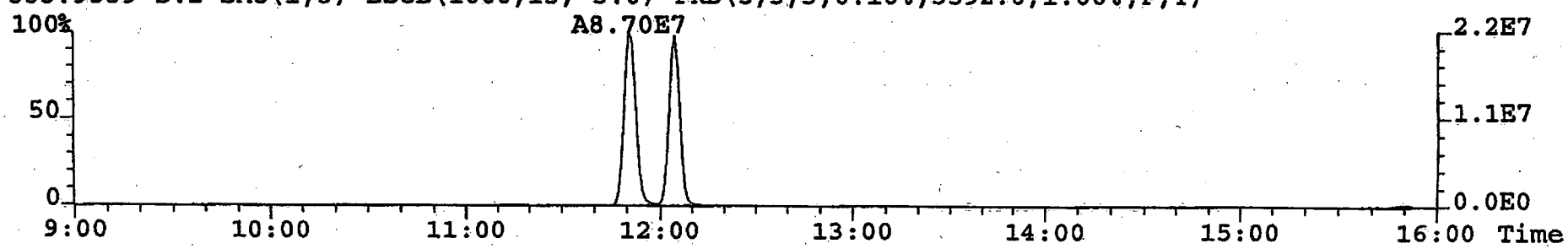
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5560.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3592.0,1.00%,F,T)



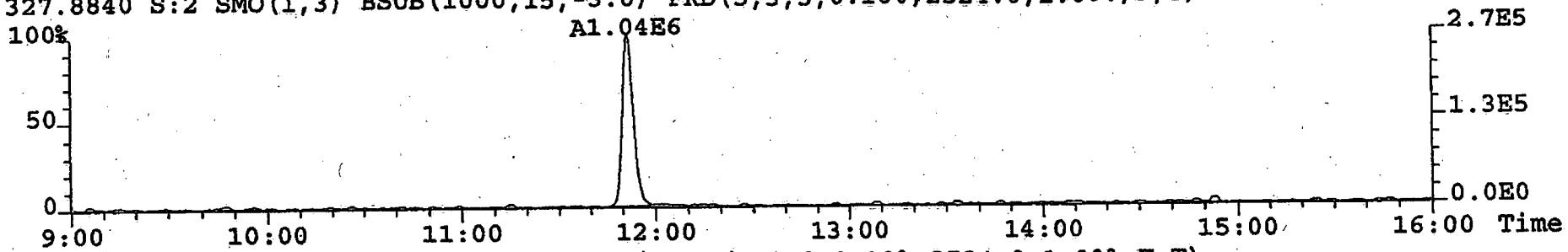
1262

STL Edison

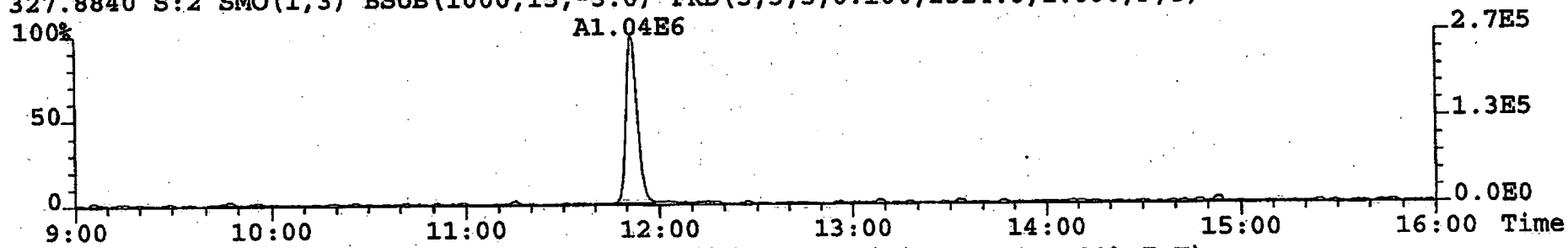
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:59:51 GC EI+ Voltage SIR 70S
Sample#2 Text:ST0324A :CS2 2416-63B Exp:DB225

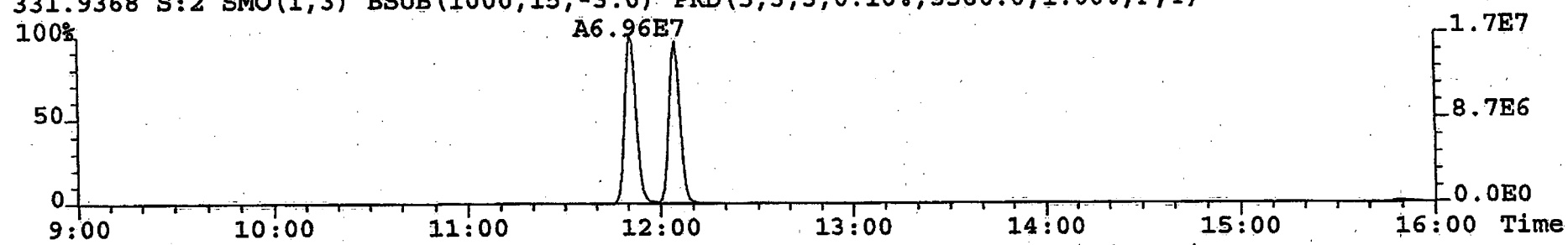
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)



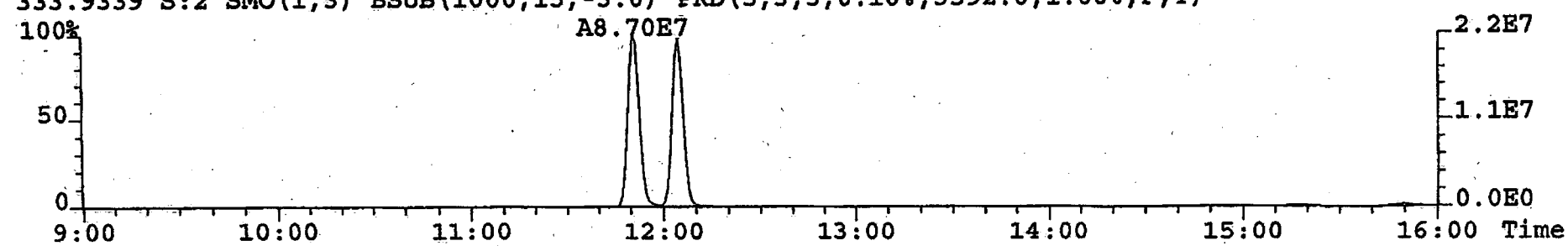
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5560.0,1.00%,F,T)



333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3592.0,1.00%,F,T)

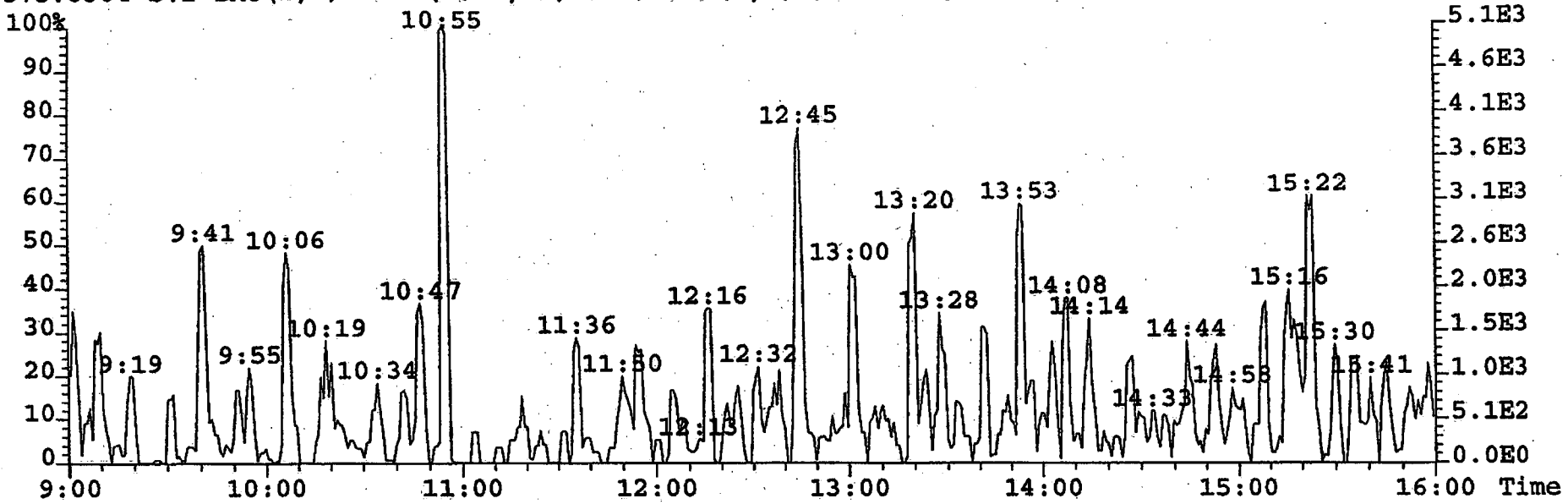


1263

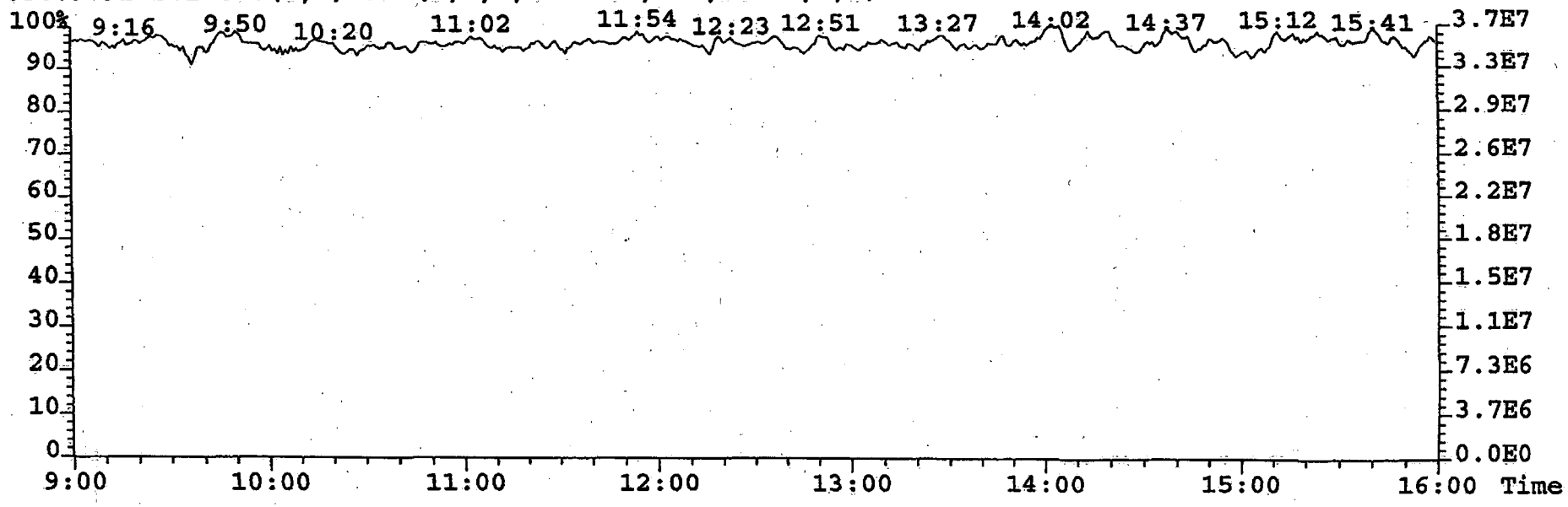
STL Edison

U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 10:59:51 GC EI+ Voltage SIR 70S
Sample#2 Text:ST0324A :CS2 2416-63B Exp:DB225
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1124.0,1.00%,F,T)



330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



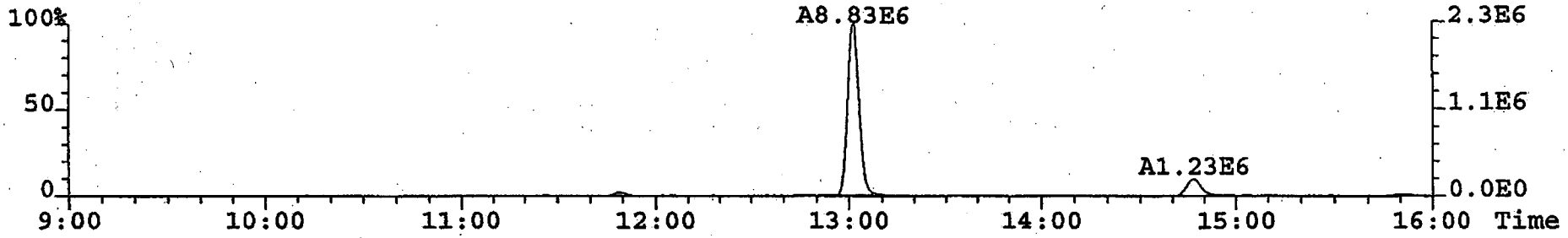
1264

STL Edison

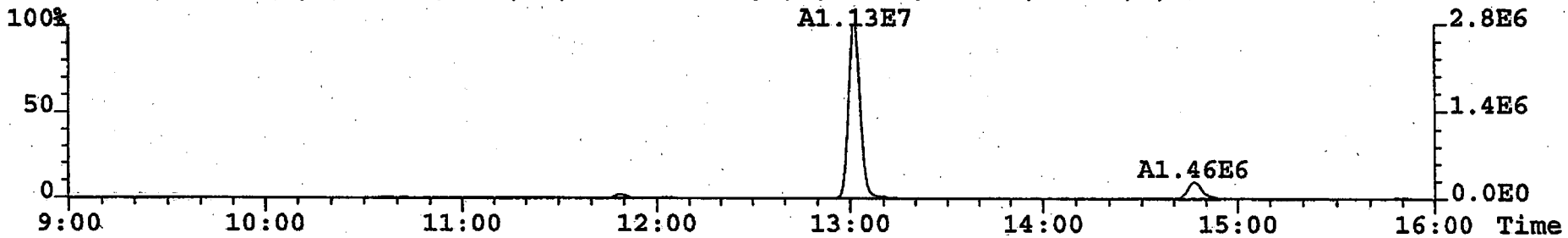
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 11:36:16 GC EI+ Voltage SIR 70S
Sample#3 Text:ST0324B :CS3 2416-63C Exp:DB225

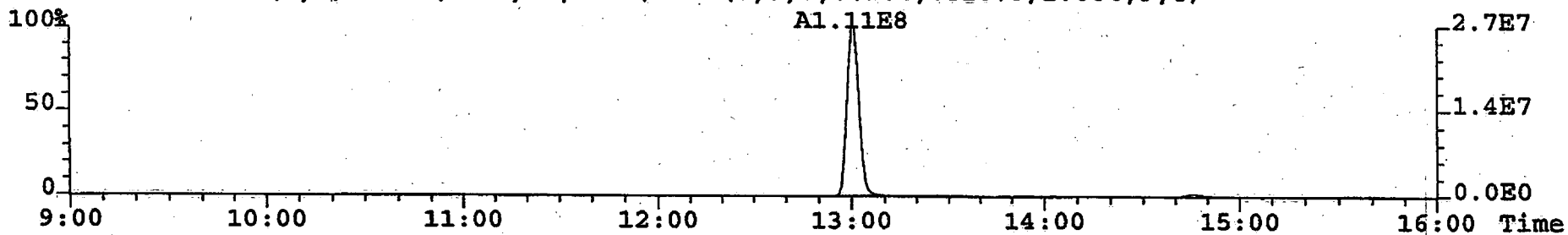
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



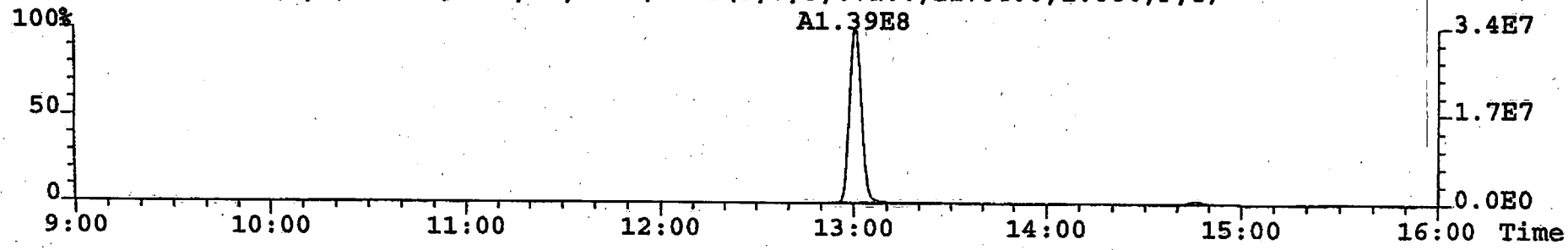
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)

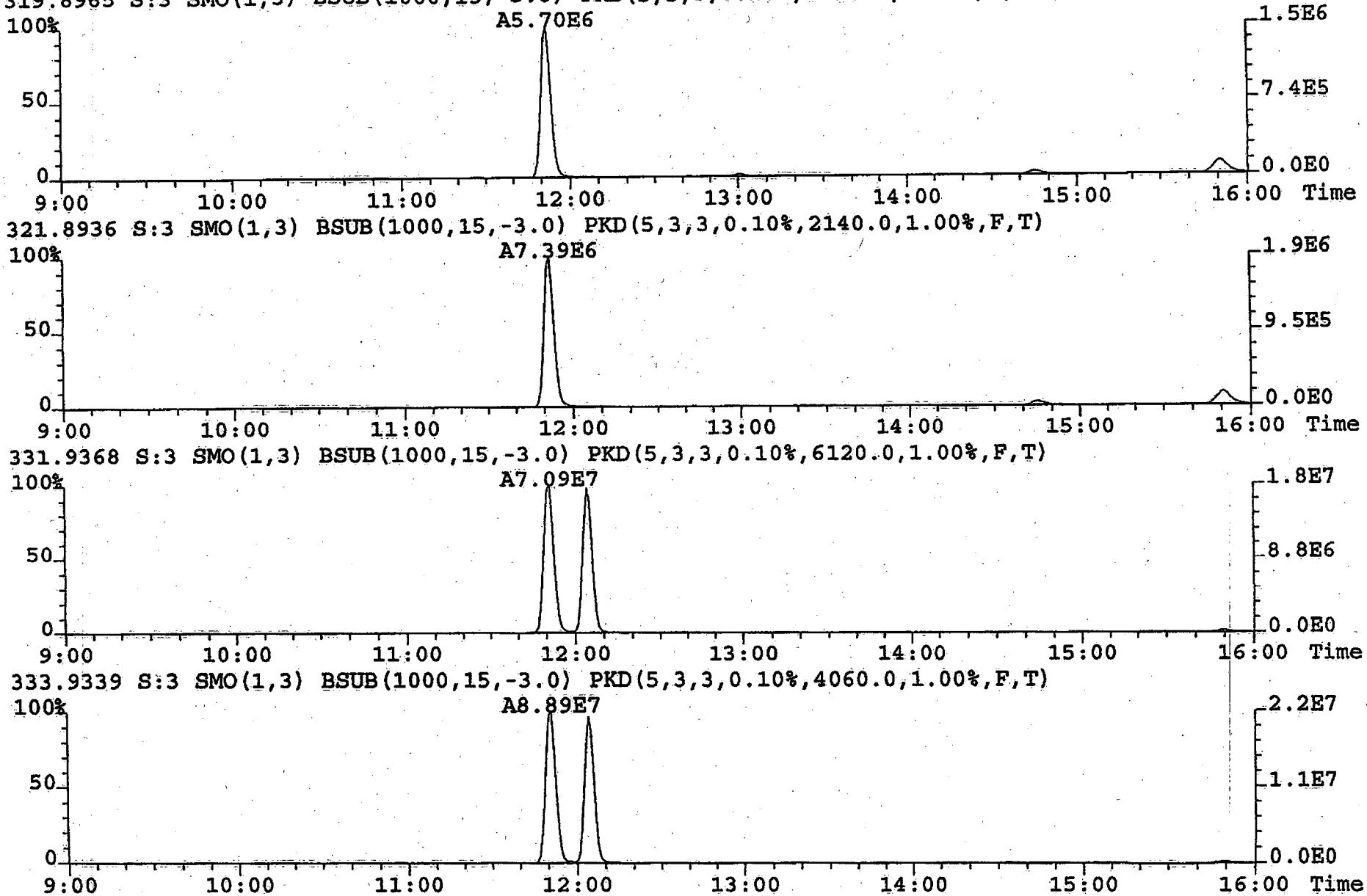


1265

STL Edison

U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 11:36:16 GC EI+ Voltage SIR 70S
Sample#3 Text:ST0324B :CS3 2416-63C Exp:DB225



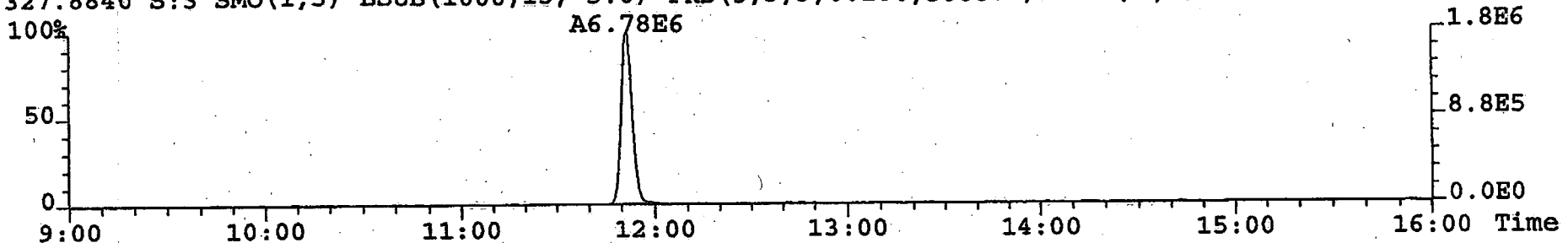
1266

STL Edison

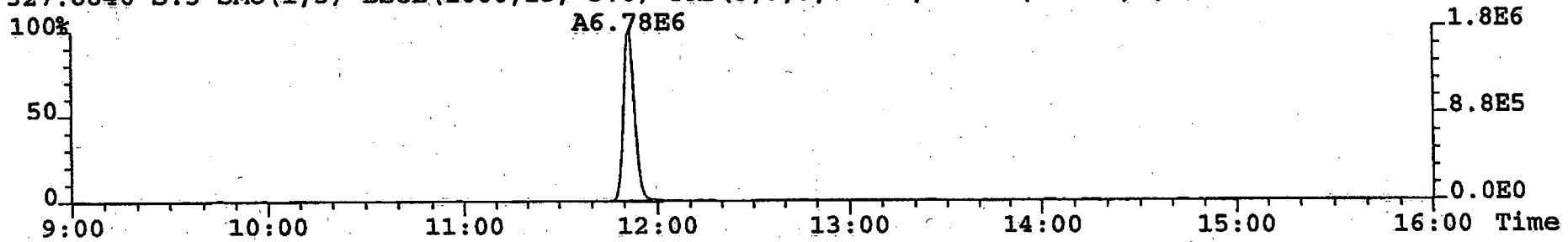
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 11:36:16 GC EI+ Voltage SIR 70S
Sample#3 Text:ST0324B :CS3 2416-63C Exp:DB225

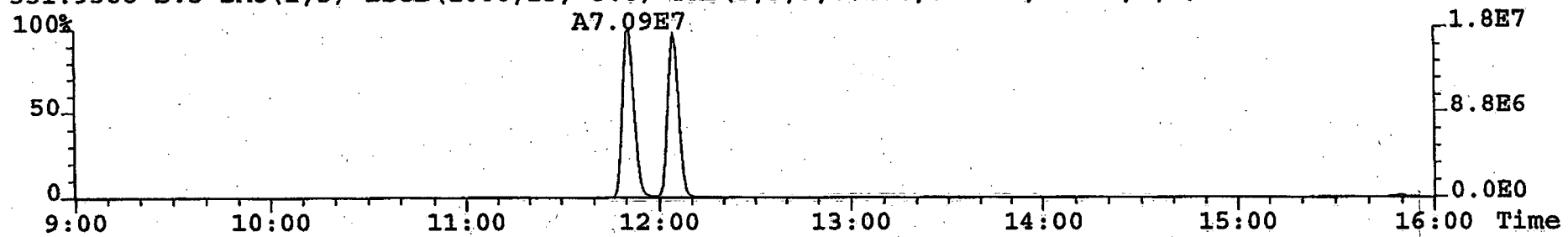
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3068.0,1.00%,F,T)



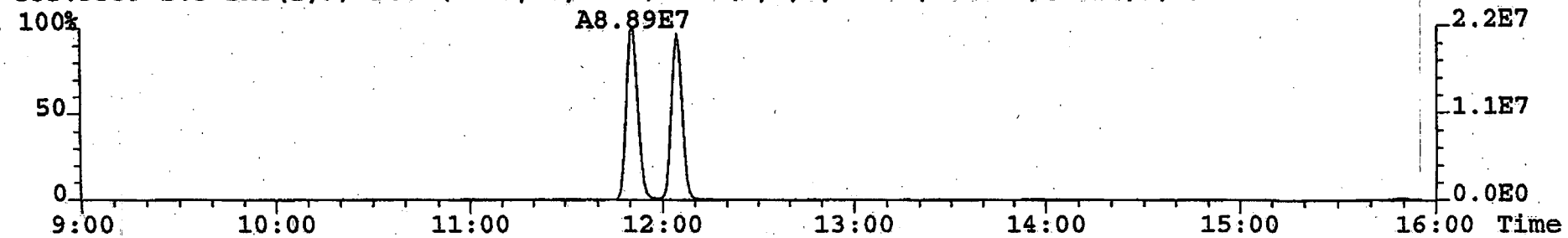
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3068.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6120.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4060.0,1.00%,F,T)

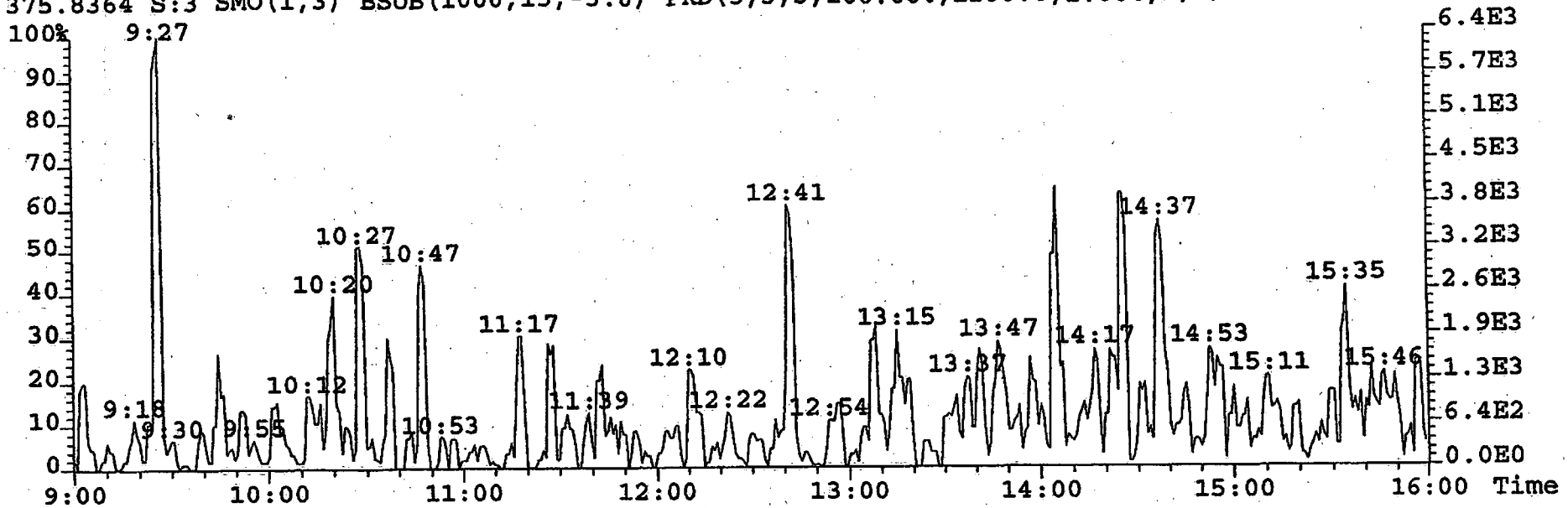


1267

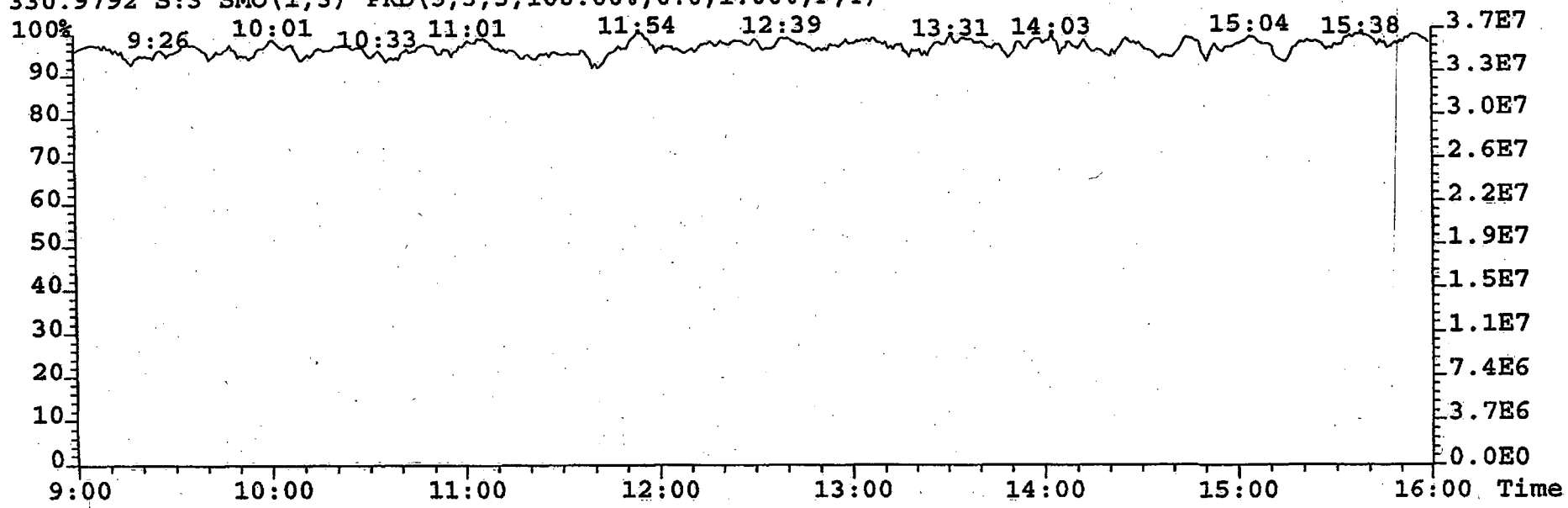
STL Edison

U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 11:36:16 GC EI+ Voltage SIR 70S
Sample#3 Text:ST0324B :CS3 2416-63C Exp:DB225
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1280.0,1.00%,F,T)



330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



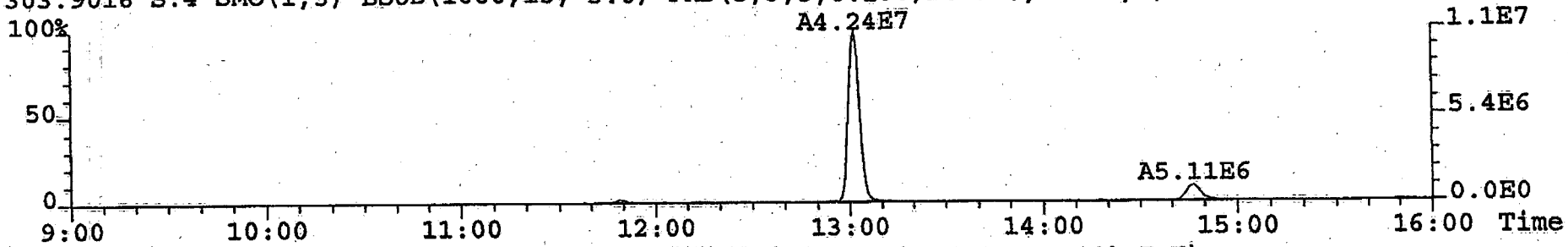
1268

STL Edison

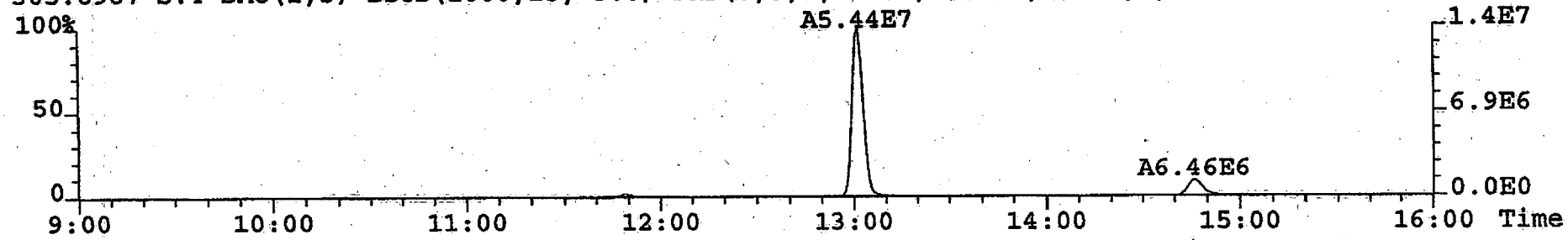
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 12:12:42 GC EI+ Voltage SIR 70S
Sample#4 Text:ST0324C :CS4 2416-63D Exp:DB225

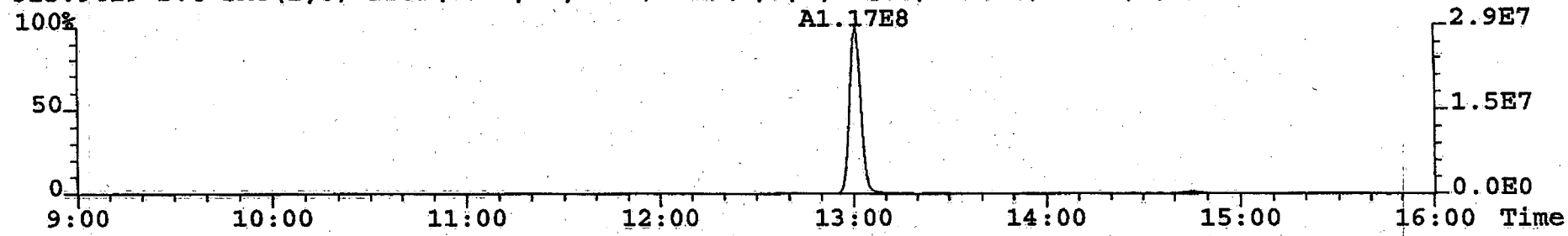
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2212.0,1.00%,F,T)



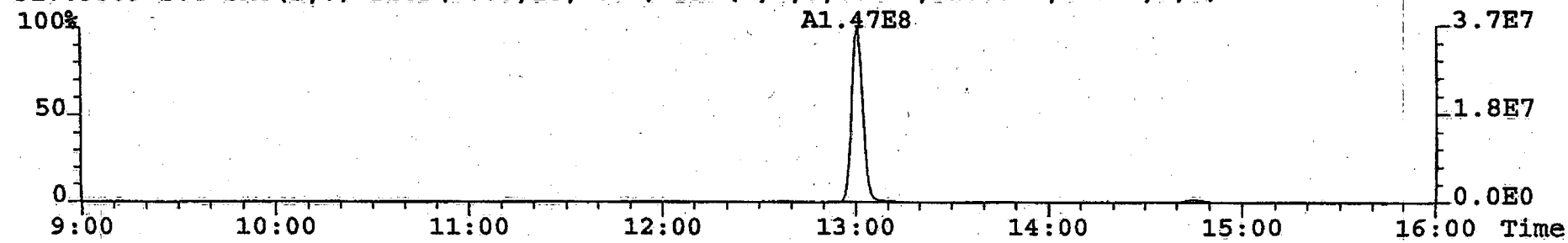
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744.0,1.00%,F,T)



315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8092.0,1.00%,F,T)



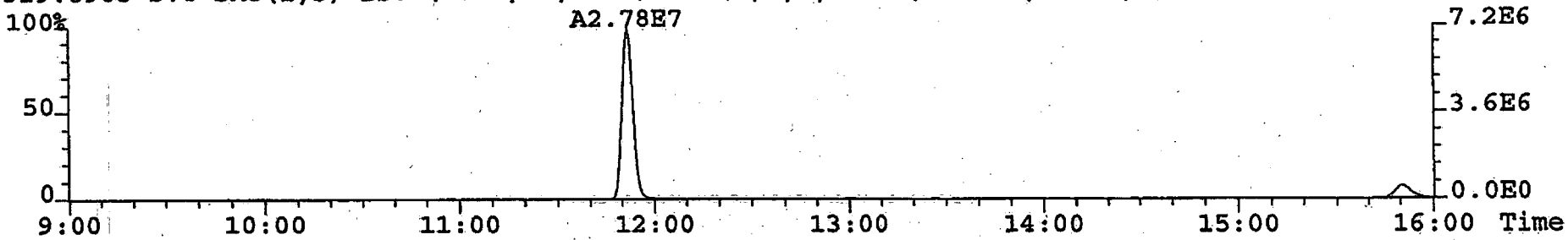
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12700.0,1.00%,F,T)



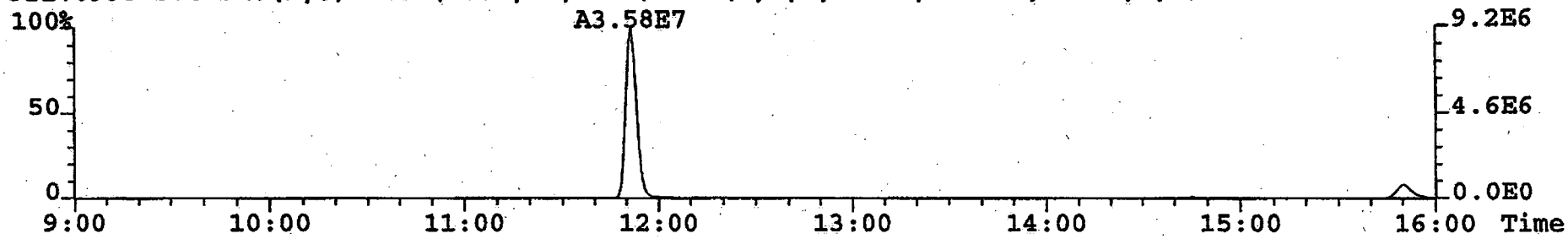
1269
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 12:12:42 GC EI+ Voltage SIR 70S
Sample#4 Text:ST0324C :CS4 2416-63D Exp:DB225

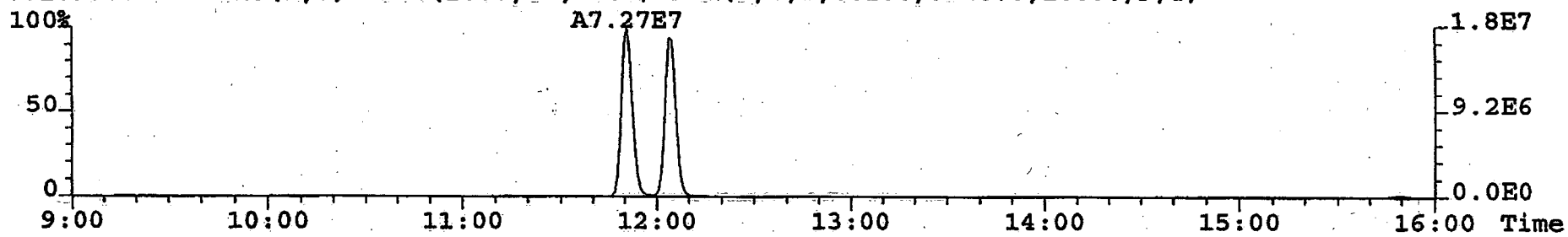
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2036.0,1.00%,F,T)



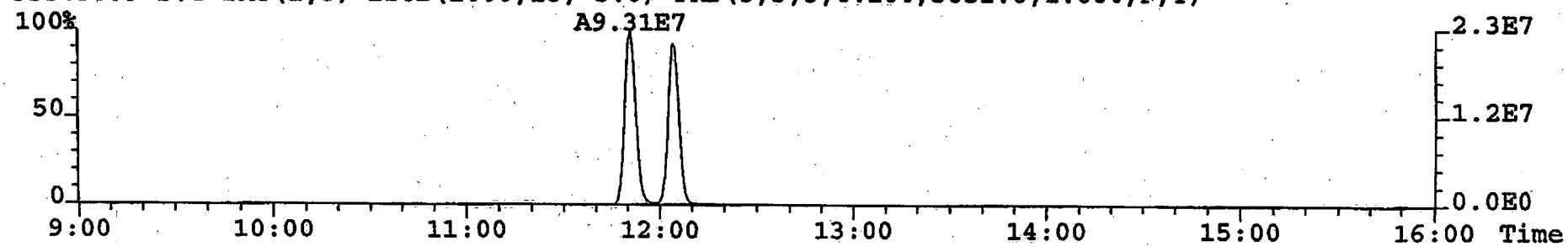
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)



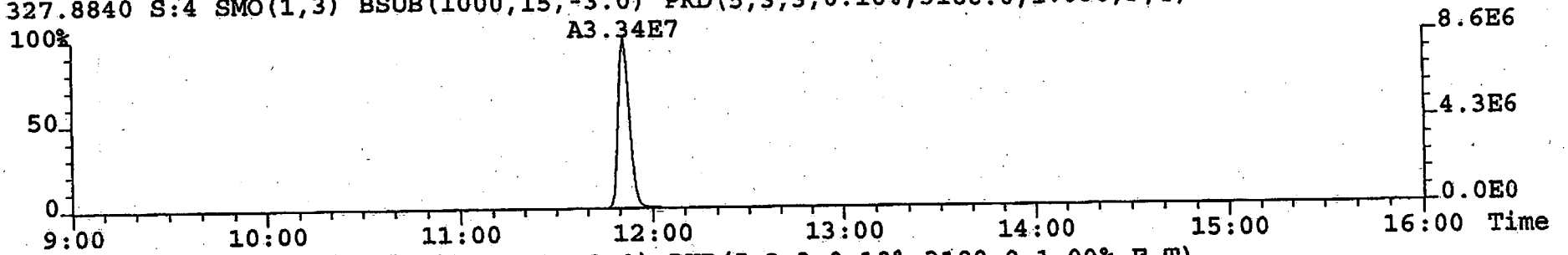
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)



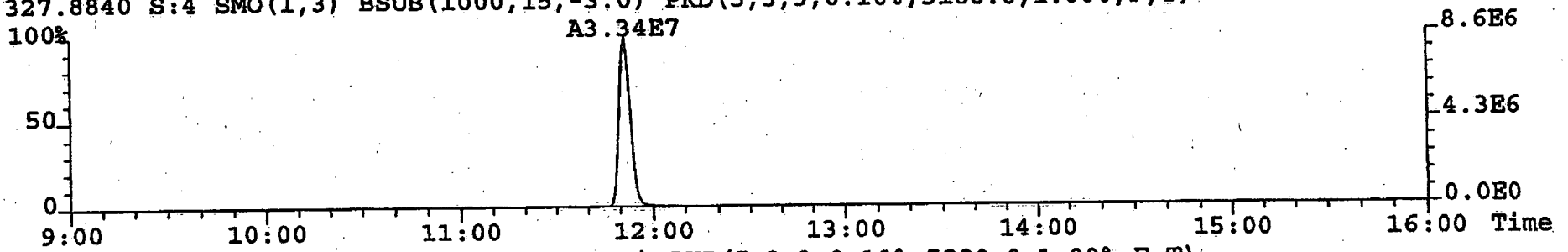
1270
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 12:12:42 GC EI+ Voltage SIR 70S
Sample#4 Text:ST0324C :CS4 2416-63D Exp:DB225

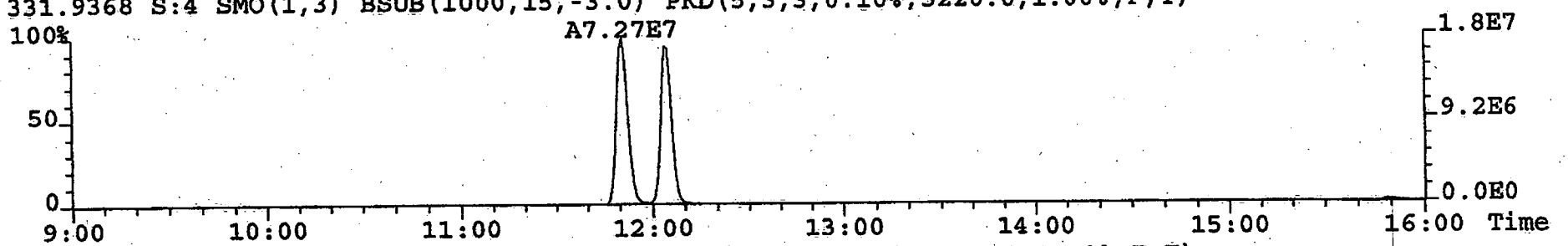
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3188.0,1.00%,F,T)



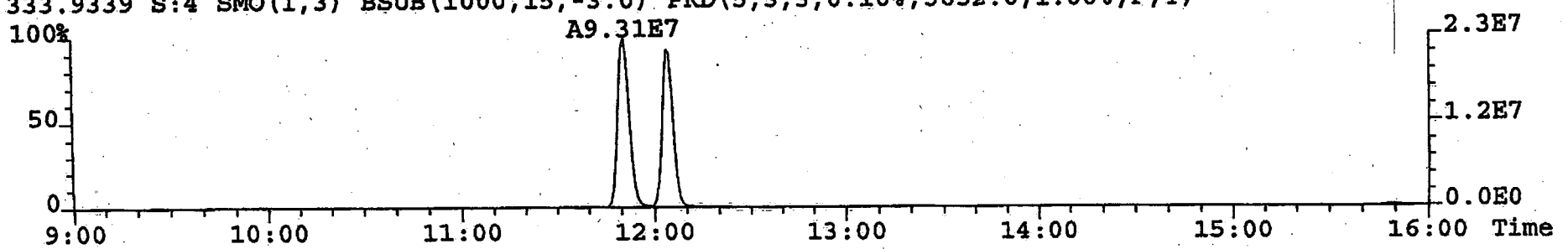
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3188.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)

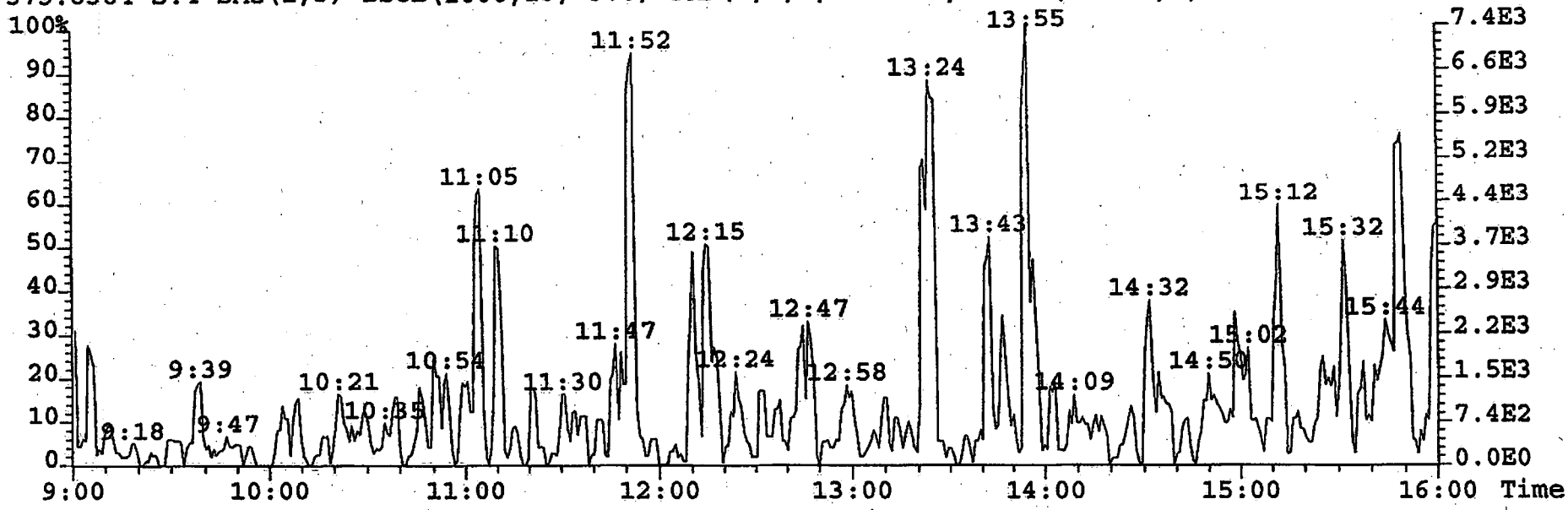


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)

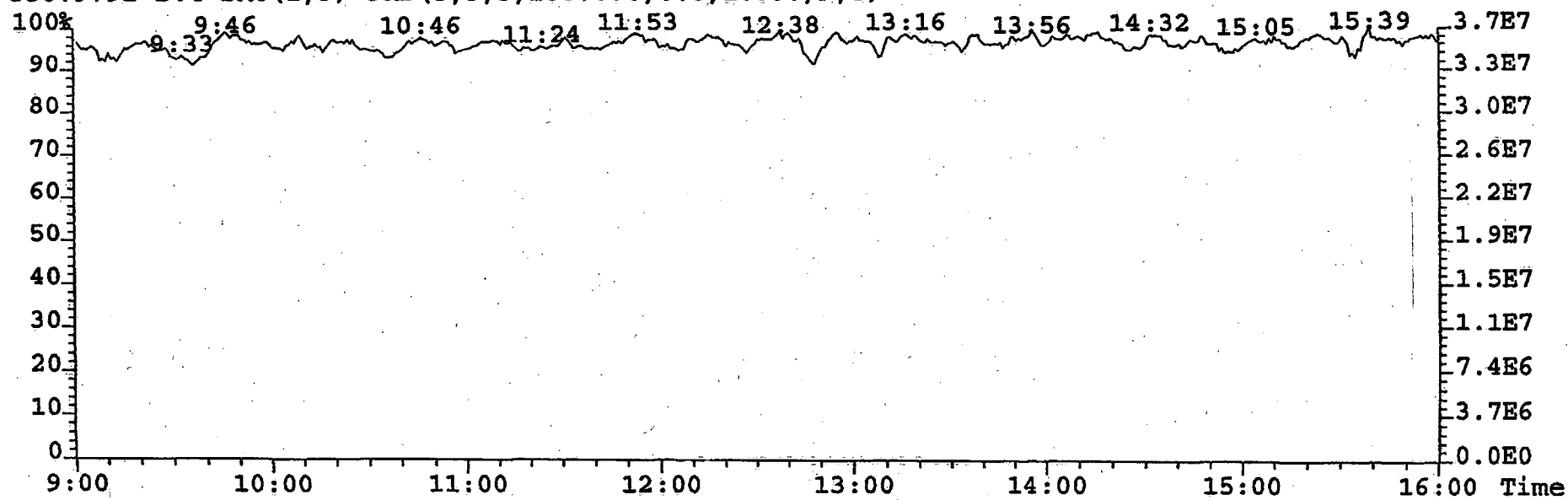


1271
STL Edison
U855

File:24MR057D2 #1-1168 Acq:24-MAR-2005 12:12:42 GC EI+ Voltage SIR 70S
Sample#4 Text:ST0324C :CS4 2416-63D Exp:DB225
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1292.0,1.00%,F,T)



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



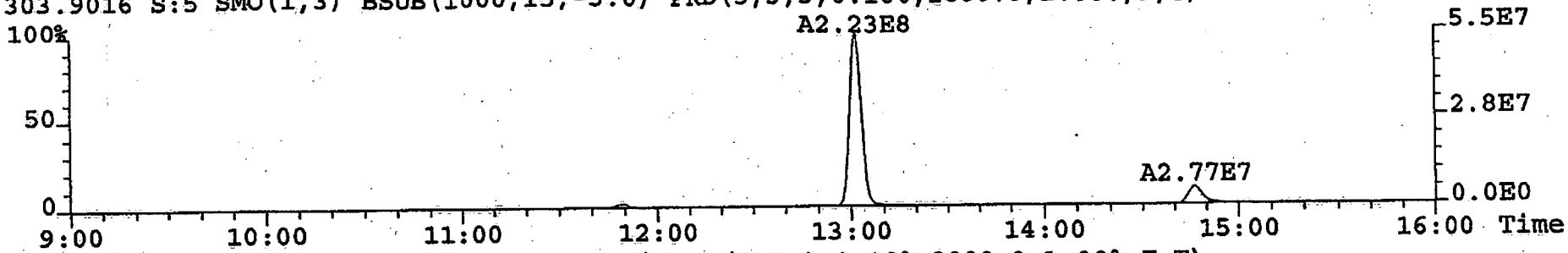
1272

STL Edison

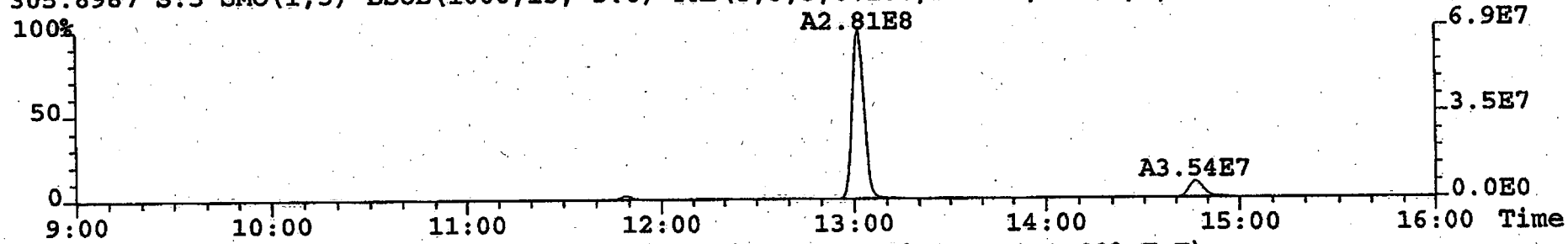
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 12:49:07 GC EI+ Voltage SIR 70S
Sample#5 Text:ST0324D :CS5 2416-63E Exp:DB225

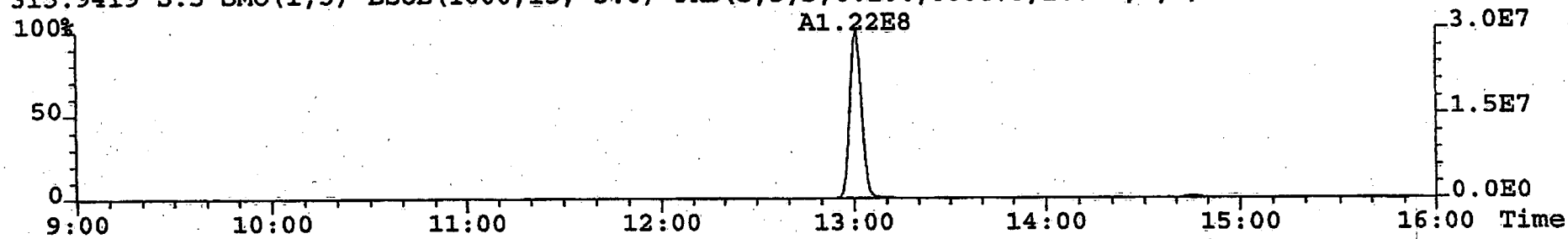
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2880.0,1.00%,F,T)



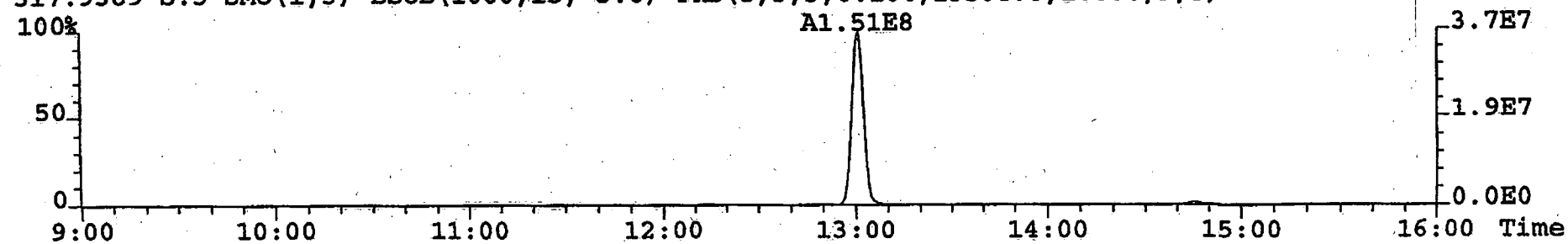
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3888.0,1.00%,F,T)



315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8004.0,1.00%,F,T)



317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13504.0,1.00%,F,T)



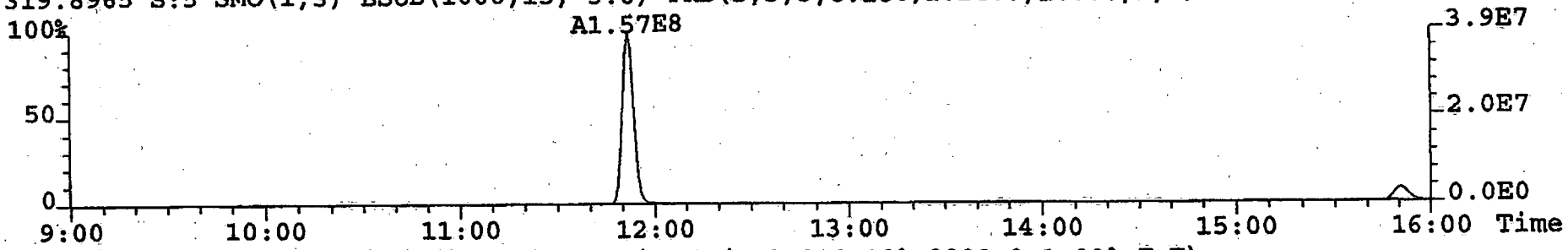
1273

STL Edison

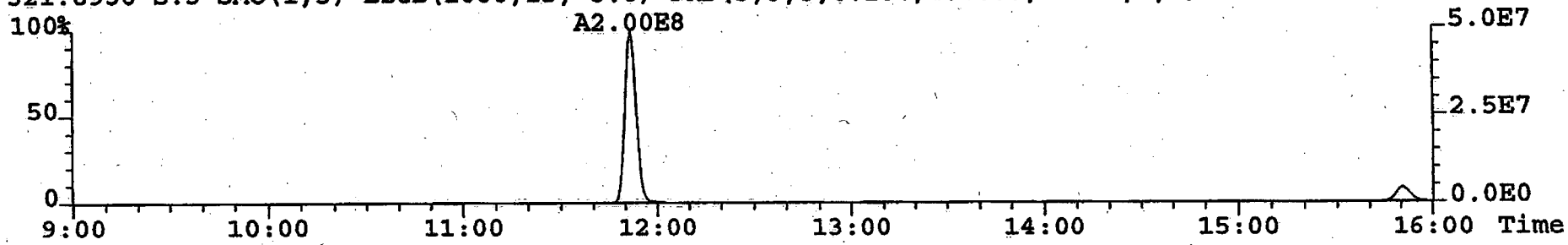
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 12:49:07 GC EI+ Voltage SIR 70S
Sample#5 Text:ST0324D :CS5 2416-63E Exp:DB225

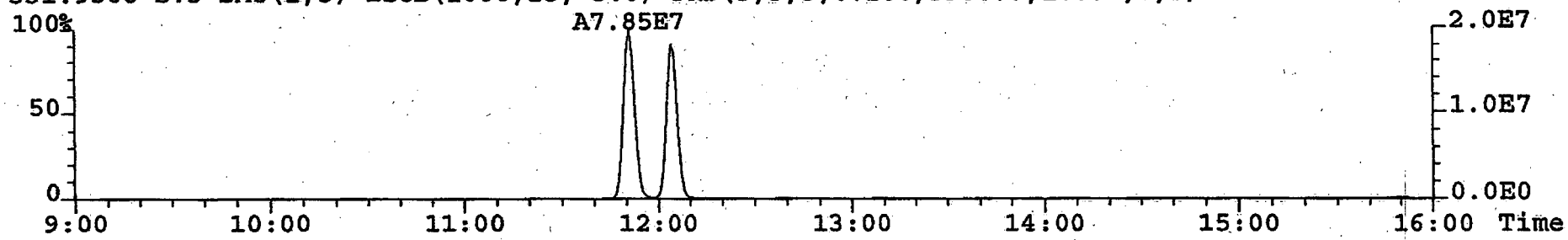
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



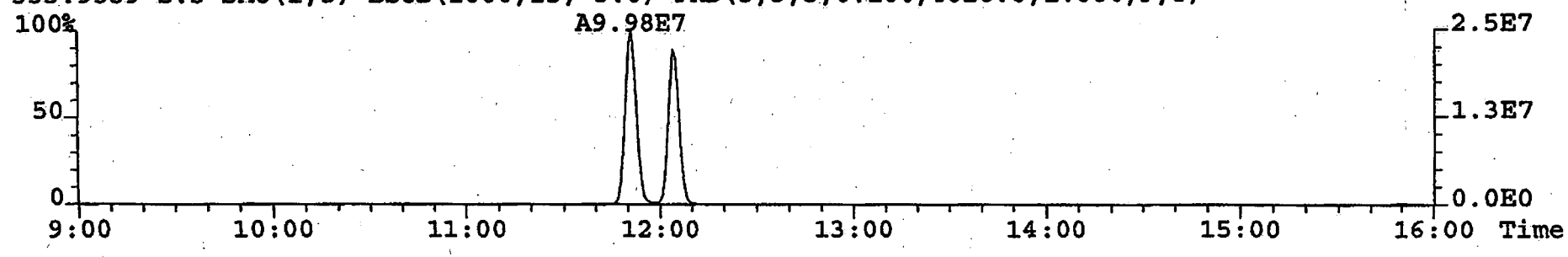
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)



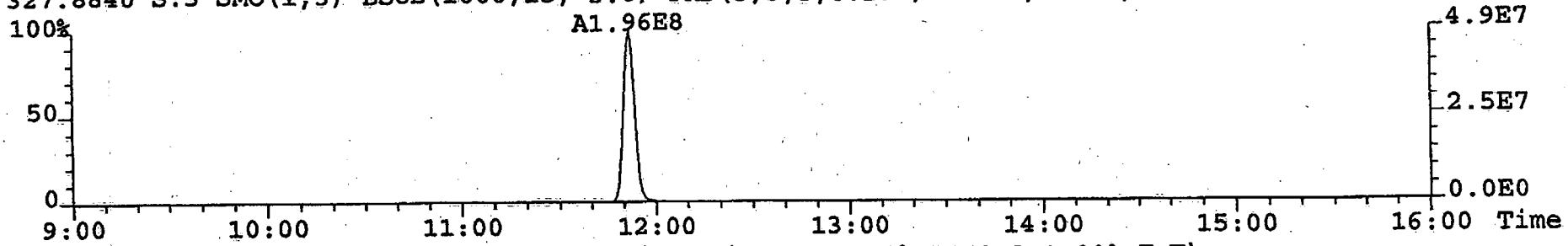
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4028.0,1.00%,F,T)



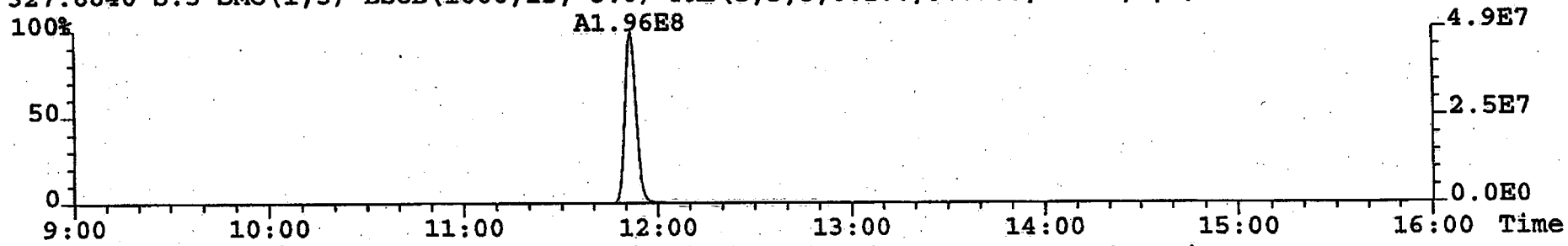
1274
STL Edison
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 12:49:07 GC EI+ Voltage SIR 70S
Sample#5 Text:ST0324D :CS5 2416-63E Exp:DB225

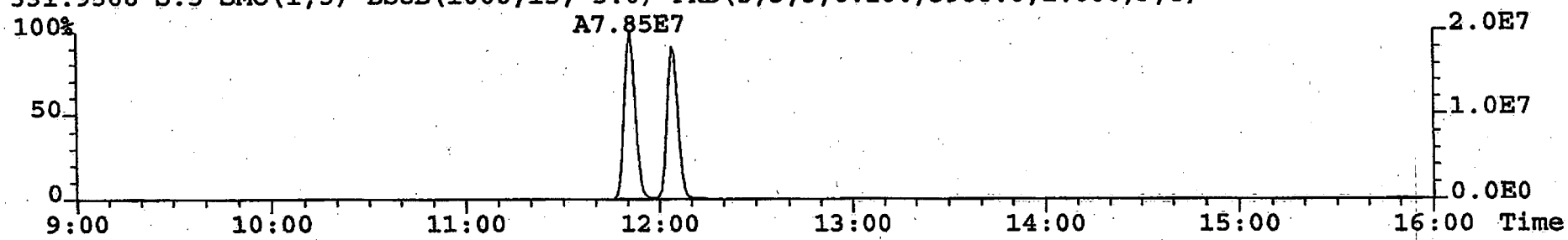
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3472.0,1.00%,F,T)



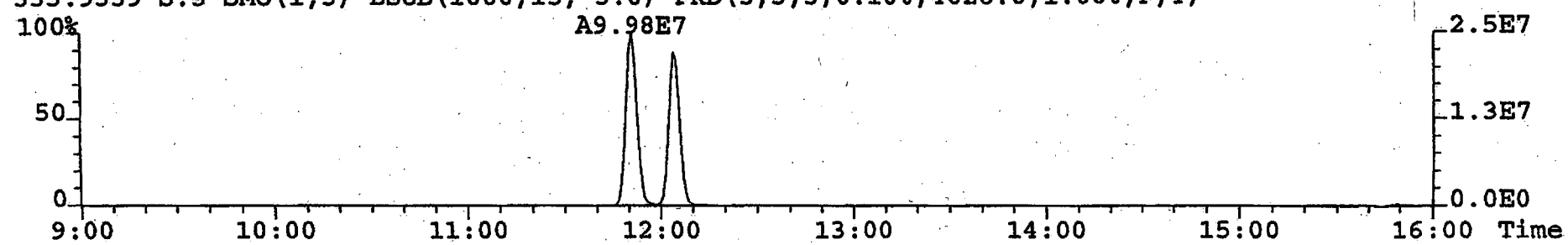
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3472.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)

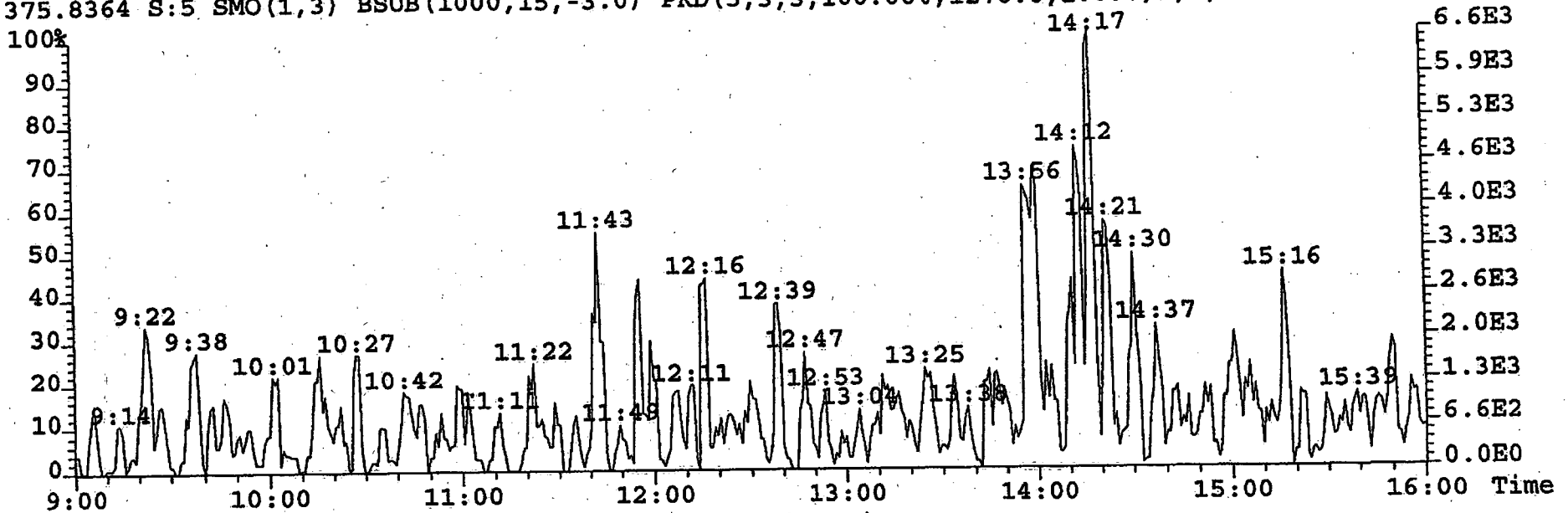


333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4028.0,1.00%,F,T)

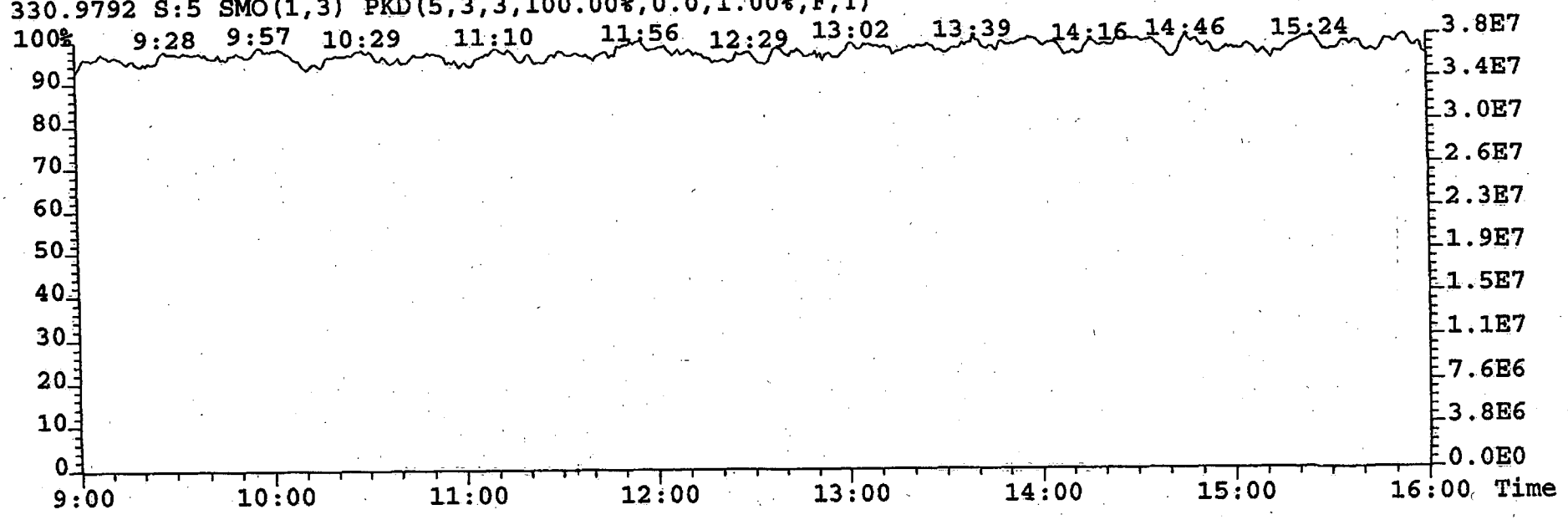


1275
STL Edison
U855

File:24MR057D2 #1-1169 Acq:24-MAR-2005 12:49:07 GC EI+ Voltage SIR 70S
Sample#5 Text:ST0324D :CS5 2416-63E Exp:DB225
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1276.0,1.00%,F,T)



330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



1276

STL Edison

U855

Sample Extraction/Preparation Log Copies and Checklists

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G5C160389

IN

Please Circle Extraction Type if used:
Soxhlet / Soxhtherm / DI TCLP

	Ext. 1	Ext. 2
Extraction time on:	5700 pm	
Extraction time off:	9420 am	

Dioxins/Furans, HRGC/HRMS (8290)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	Soxhlet Extraction Init/Date	Option C (Acid/Base) Init/Date	IFB Init/Date	D2 Init/Date	* Final Volume Init/Date	Init/Date	Init/Date	Init/Date
MB		100g	100g	FJ 3-17-05		FJ 3-18-05					
LCS											
DCS											
1											
2											
3											

		By:	Witness:	Date:
All Samples I.S. ID Added Vol./Conc.	10ml 2416-52	FJ	BDH	3-17-05
LCS/DCS/MS/SD N.S. ID Added Vol./Conc.	—	—	—	—
All Samples CRS/Surr ID Added Vol./Conc.	10ul 2416-60	FJ	BDH	3-18-05
All Samples R.S. ID Added Vol./Conc.	20ul/2350-62	BDH	[illegible]	MAR 21 2005

Comments (Including Dilution at FV information):

QC Lot ID: 652170255

Batch: 5076490

Extraction Solvents Used: DMen

Solvent Lot #:

Associated Samples:	Batch:	Method:

*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.

STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses

SEVERN TRENT SERVICES

Lot ID #: G5C160389 Method ID: Dioxins/Furans, HRGC/HRMS (8290)
Sample # 1 - 3
(For Internal COC requests only)
Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

	DB-5	DB-225
Data Analyst:	[signature]	[signature]
Date initiated:	3/31/05	3/31/05
Reviewer:	MAT	MAT
Date reviewed:	3/31/05	3/31/05

Q/VQC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	✓	✓
-Method Blank present?	✓	✓	NA	NA
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	NA	NA
-Internal standard recoveries within limits?*	✓ (1)	✓ (1)	✓	✓
-Ion ratios within + 15% of theoretical values?	✓ (1)	✓ (1)	✓	✓
-Other QC (Dup,MS,SD) within specs?**	NA	NA	NA	NA

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	✓	✓
-All raw data present?	✓	✓	✓	✓
-Standard target DL's used? If RL's are used specify: _____	✓	✓	✓	✓
-DL's below TDL / LCL (please circle)?	✓	✓	✓	✓
-All positives reported at levels greater than method blank DL's?	✓	✓	✓	✓
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	✓	✓	✓	✓
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	✓	✓

Comments: (Use other side if necessary) (1) NCM 46043 (2) NCM 46044

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
CARB 428:	40-120%***	50%
CARB 429:	50-150%***	50%
PCBs:	25-150%***	50%
DBD/DBF	20-150%***	
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	

LOT# G5C160389

3/23/05 am

Sample #	Original F.V. (uL)	Aliquot (uL)	Dilution F.V. (uL)	Dilution Factor	Adjusted F.V. (uL)
1	20	2	20	10 X	
2	↓	↓	20	10 X	
3			40	20 X	

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/31/05
Time: 16:42:04

1281

LEV 1	LEV 2		LEV 1	LEV 2	
			-	-	Weights/Volumes
-	-	Blank	-	-	Spike & Surrogate Worksheet
-	-	Check	-	-	Vial contains correct volume
-	-	MS/MSD	-	-	Labels, greenbars, worksheets
			-	-	computer batch: correct & all match
			-	-	Anomalies to Extraction Method

- Expanded Deliverable
- COC Completed
- Bench Sheet Copied
- Package Submitted to AnalyticalGro
- Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

Reviewer/Date: _____ / 0/00/00

****
* QC BATCH: 5076490 *
****

PREP DATE: 3/17/05 9:00
COMP DATE: 3/21/05 15:00

Dioxins/Furans, HRGC/HRMS (8290)
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/13/05 COMMENTS:	3/30/05	G5C160389-001 G6D3M-1-AC		4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	1.0ML IS2416-62
4/13/05 COMMENTS:	3/30/05	G5C160389-002 G6D3P-1-AC		4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	1.0ML IS2416-62
4/13/05 COMMENTS:	3/30/05	G5C160389-003 G6D3R-1-AC		4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	1.0ML IS2416-62
4/14/05 COMMENTS:	3/25/05	G5C170255-001 G6FQW-1-AC	DR	4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	1.0ML IS2416-62
4/14/05 COMMENTS:	3/25/05	G5C170255-001 G6FQW-1-ADS	DR	4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	50UL NS2416-54 1.0ML IS2416-62
4/14/05 COMMENTS:	3/25/05	G5C170255-001 G6FQW-1-AED	DR	4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	50UL NS2416-54 1.0ML IS2416-62
4/14/05 COMMENTS:	0/00/00	G5C170000-490 G6GXD-1-AAB		4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	1.0ML IS2416-62

STL Edison

U855

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/31/05
Time: 16:42:04

1282

****
* QC BATCH: 5076490 *
****

PREP DATE: 3/17/05 9:00
COMP DATE: 3/21/05 15:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/14/05	0/00/00	G5C170000-490 G6GXD-1-ACC		4W	IN	SOLID	10g 20.00uL	NA	NA	NA	TOLUENE	300.0	C14	20.0	50UL NS2416-54 1.0ML IS2416-62

COMMENTS:

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
$

NUMBER OF WORK ORDERS IN BATCH: 8

STL Edison

U855

SOLID, D 2216-90, % Moisture

SEVERN TRENT SERVICES

% Moisture/Solid Worksheet

QCBATCH: 5076422

Analyzed by: romerod

Report created: 3/18/05 4:24:36 PM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G5C160389-1	G6D3M1AA	0.95	7.47	5.96	1.51	23.16	76.84	0.1		3/18/05 4:23:25 PM
G5C160389-2	G6D3P1AA	0.95	7.21	5.76	1.45	23.16	76.84	0.1		3/18/05 4:23:32 PM
G5C160389-3	G6D3R1AA	0.95	6.97	5.73	1.24	20.60	79.40	0.1		3/18/05 4:23:39 PM
G5C160406-1	G6D6V1AA	0.95	12.08	7.55	4.53	40.70	59.30	0.1		3/18/05 4:23:45 PM
G5C160406-2	G6D601AA	0.95	5.01	4.93	0.08	1.97	98.03	0.1		3/18/05 4:23:52 PM
G5C160406-3	G6D611AA	0.95	10.85	10.50	0.35	3.54	96.46	0.1		3/18/05 4:23:59 PM
G5C170255-1	G6FQW1AA	0.95	6.15	1.68	4.47	85.96	14.04			3/18/05 4:24:06 PM
G5C170335-1	G6GGD1AA	0.95	6.21	5.90	0.31	5.89	94.11			3/18/05 4:24:13 PM
G5C170335-2	G6GGJ1AA	0.95	9.79	9.08	0.71	8.03	91.97			3/18/05 4:24:20 PM
G5C170335-3	G6GGL1AA	0.95	5.31	2.56	2.75	63.07	36.93			3/18/05 4:24:25 PM

All weights are in grams.
Sample weights (wet & dry) include the weight (tare) of the sample pan.
Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).
% Water = (Wt. Diff/(sample wet weight - pan tare))*100
% Solid = 100 - percent Water

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