

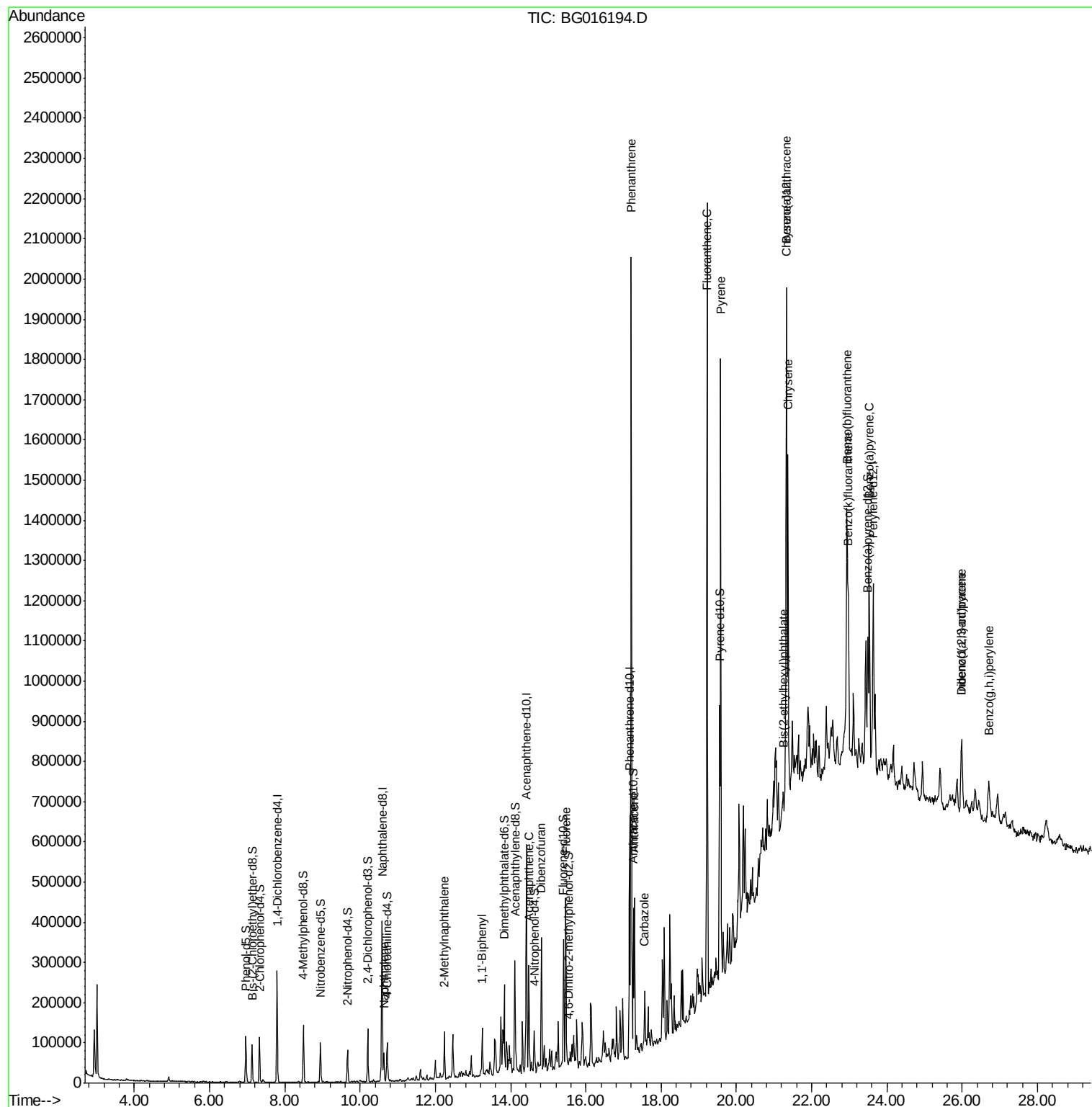
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0AC8

Manual Integrations
APPROVED

apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 07:06:20 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration



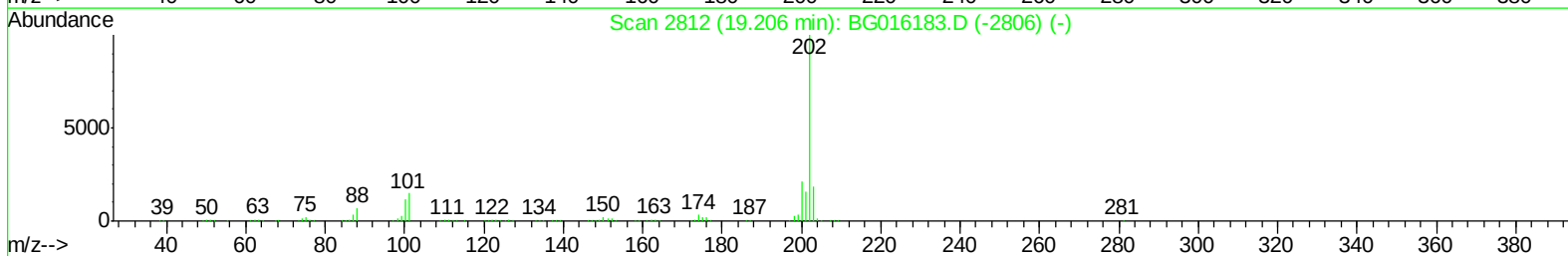
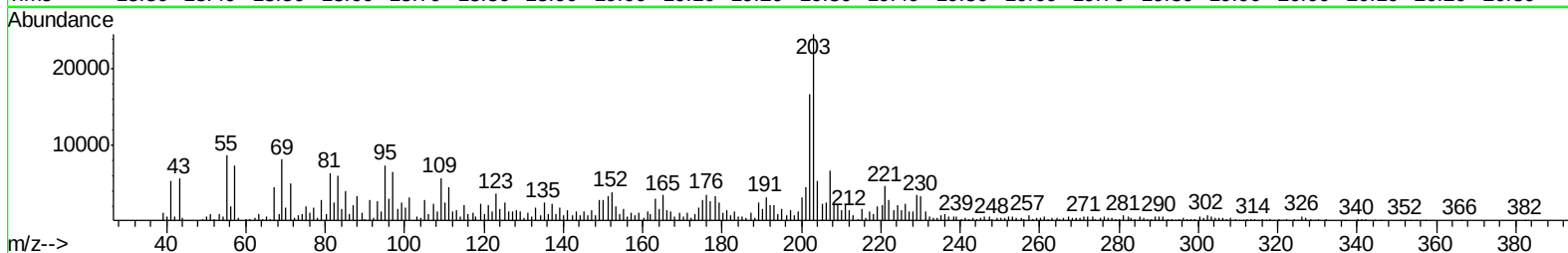
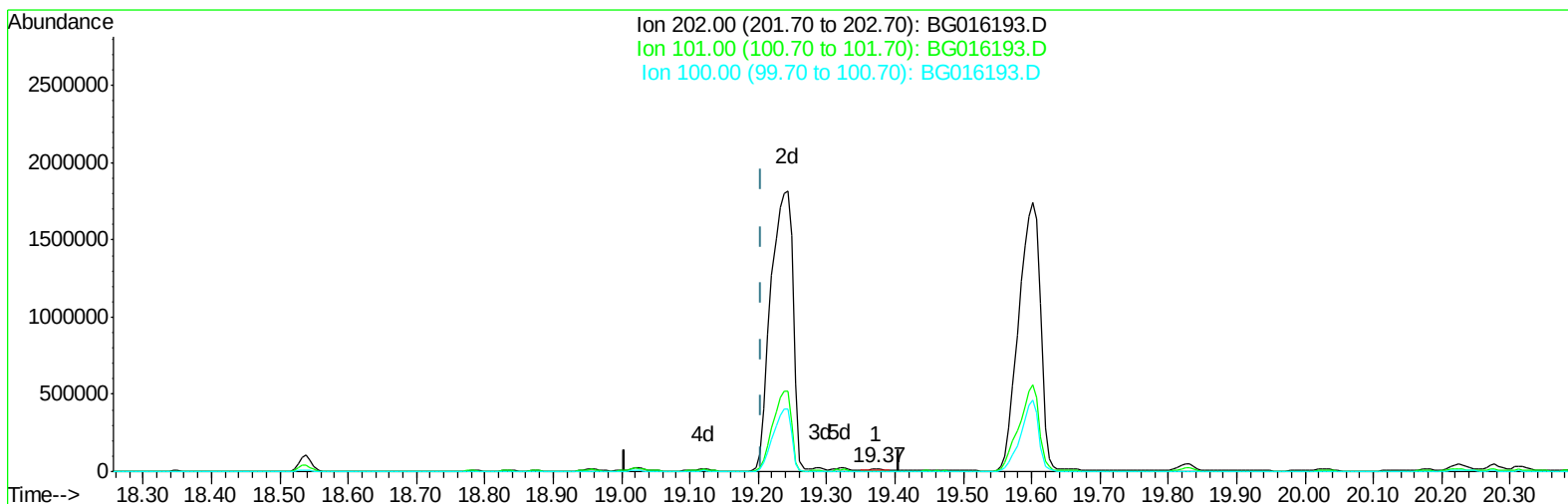
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
APPROVED

apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:42 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration



TIC: BG016193.D

(74) Fluoranthene (C)

19.373min (+0.167) 0.57ng/ul

response 13173

Ion	Exp%	Act%
202.00	100	100
101.00	16.10	18.77
100.00	11.80	11.17
0.00	0.00	0.00

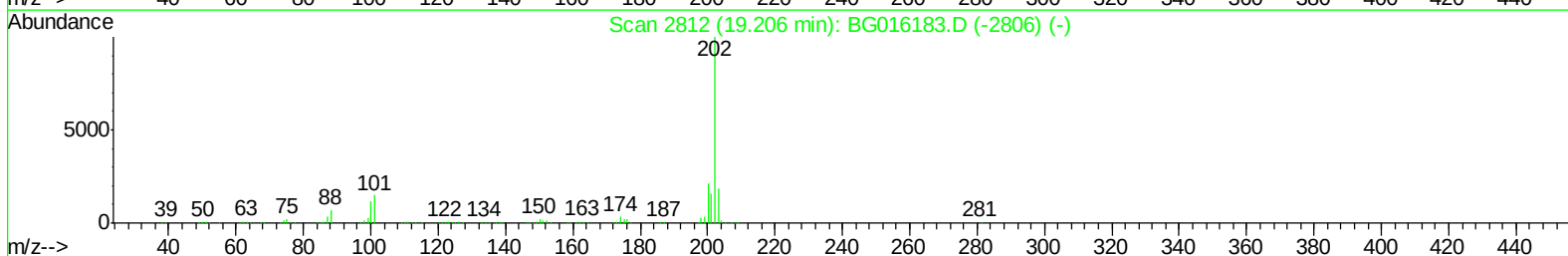
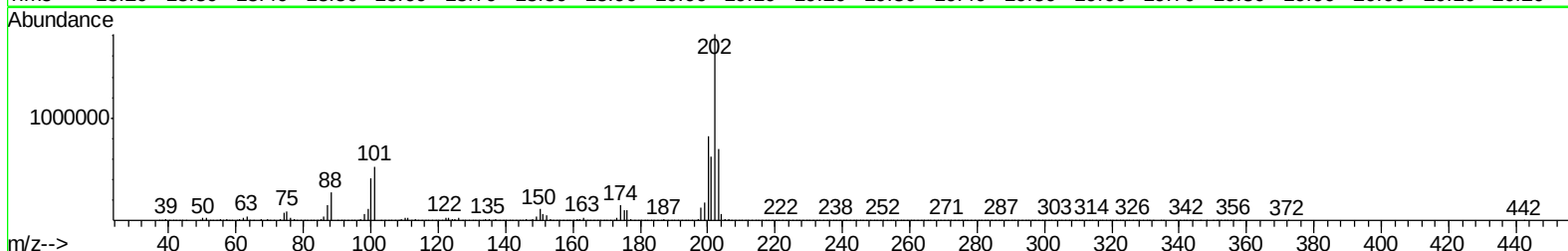
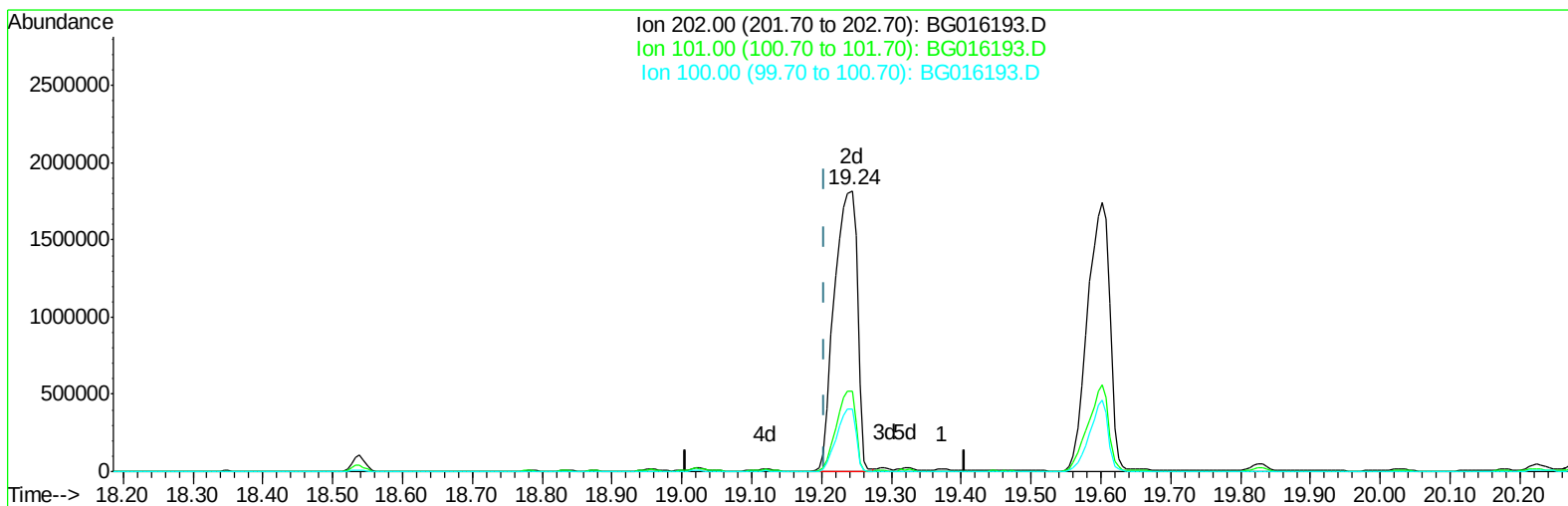
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
APPROVED

apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:42 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
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Response via : Initial Calibration



TIC: BG016193.D

(74) Fluoranthene (C)

19.243min (+0.037) 180.50ng/ul m

response 4139280

Ion	Exp%	Act%
202.00	100	100
101.00	16.10	28.84#
100.00	11.80	22.30#
0.00	0.00	0.00

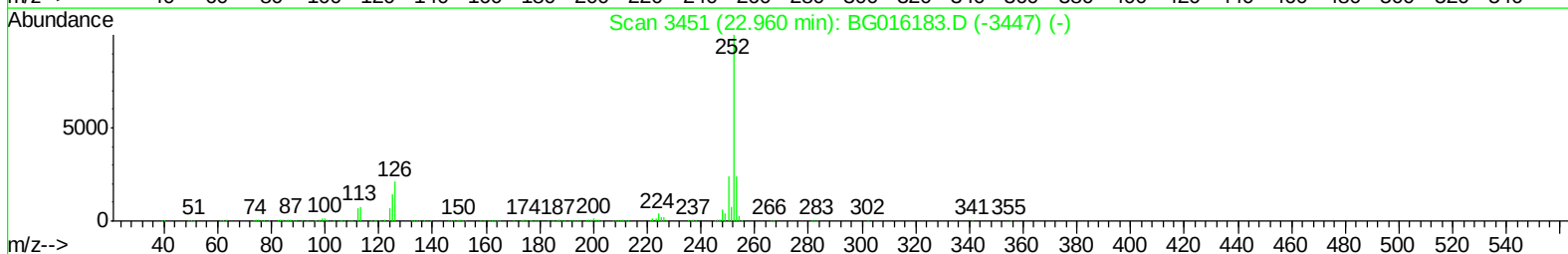
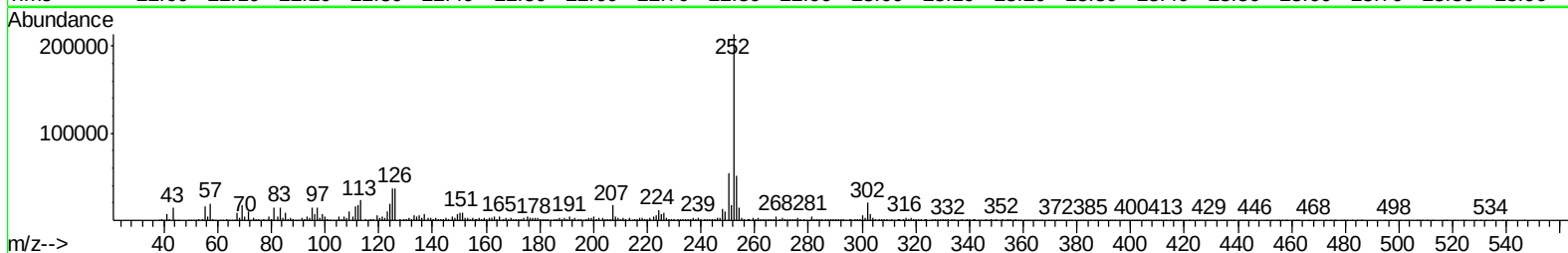
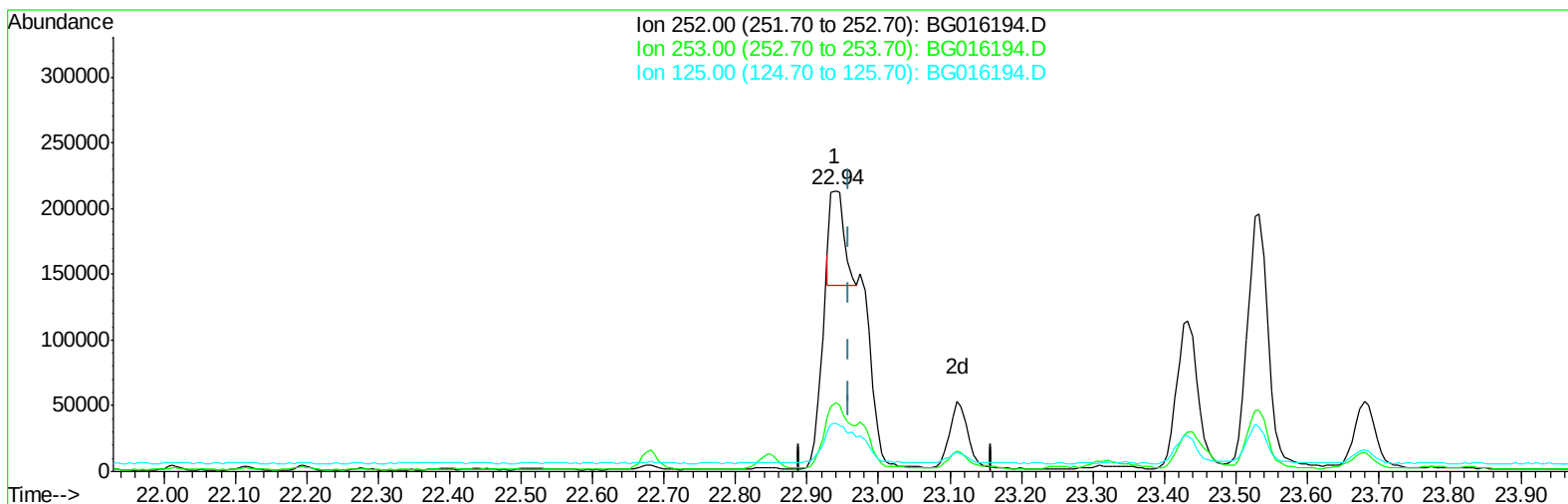
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Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
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apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG016194.D

(86) Benzo(k)fluoranthene

22.940min (-0.020) 4.88ng/ul

response 98454

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	24.34
125.00	13.40	17.50#
0.00	0.00	0.00

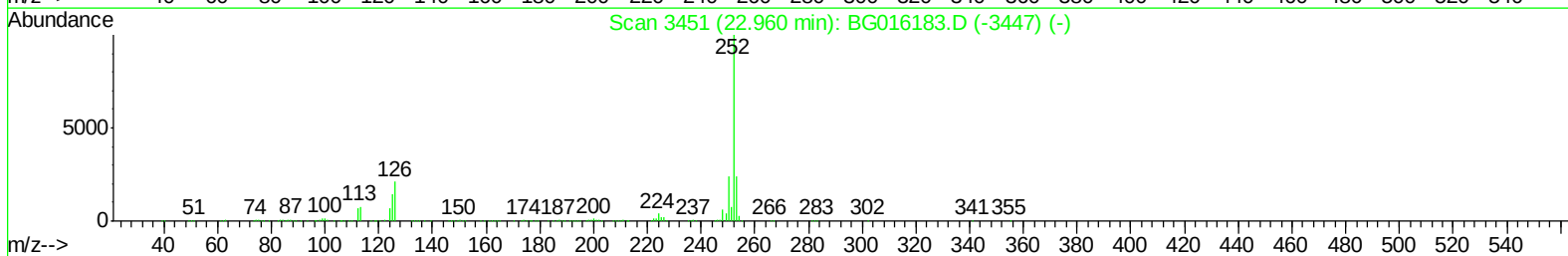
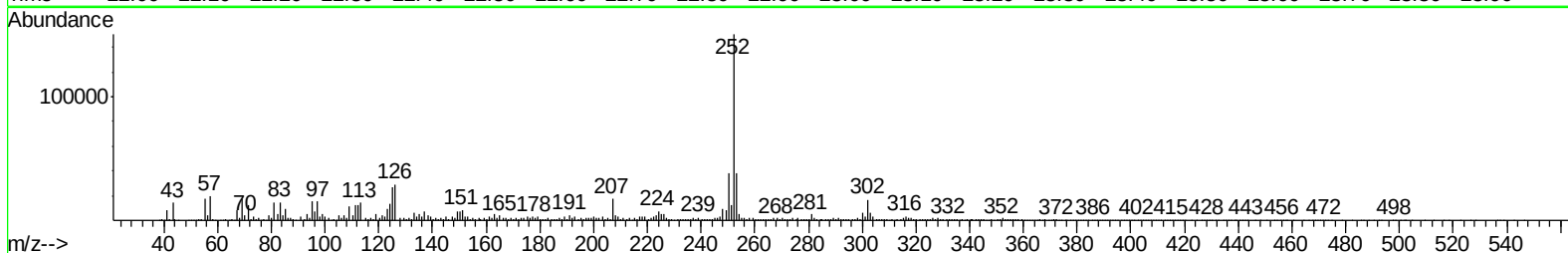
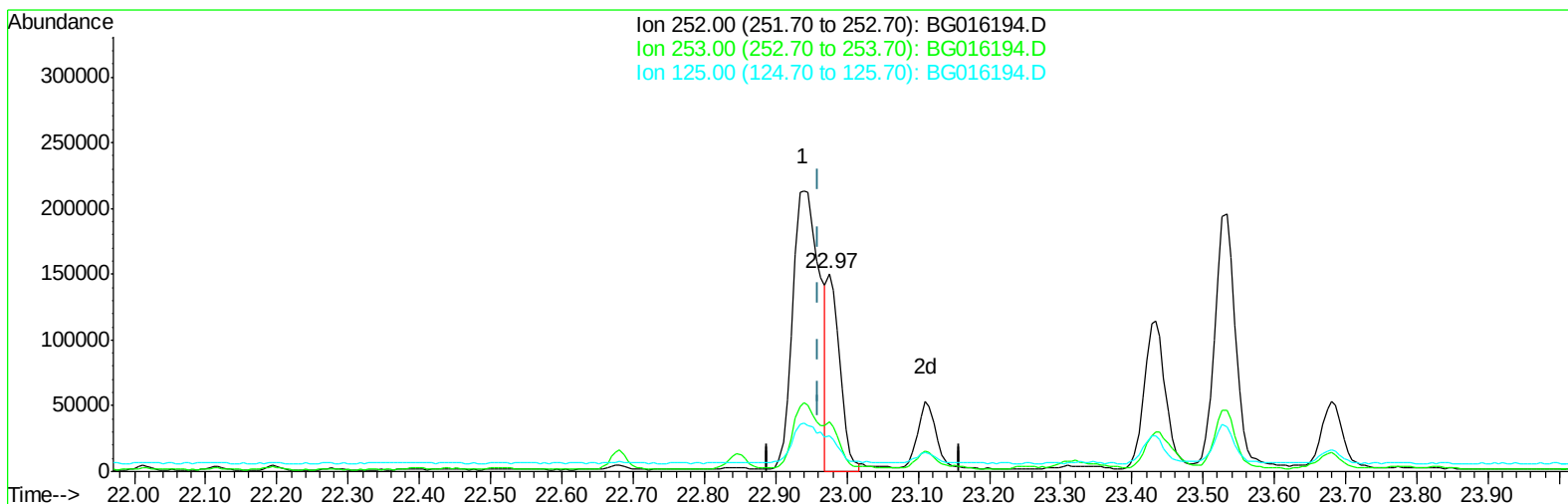
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
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apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
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TIC: BG016194.D

(86) Benzo(k)fluoranthene

22.975min (+0.015) 9.07ng/ul m

response 182980

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	25.44
125.00	13.40	18.22#
0.00	0.00	0.00

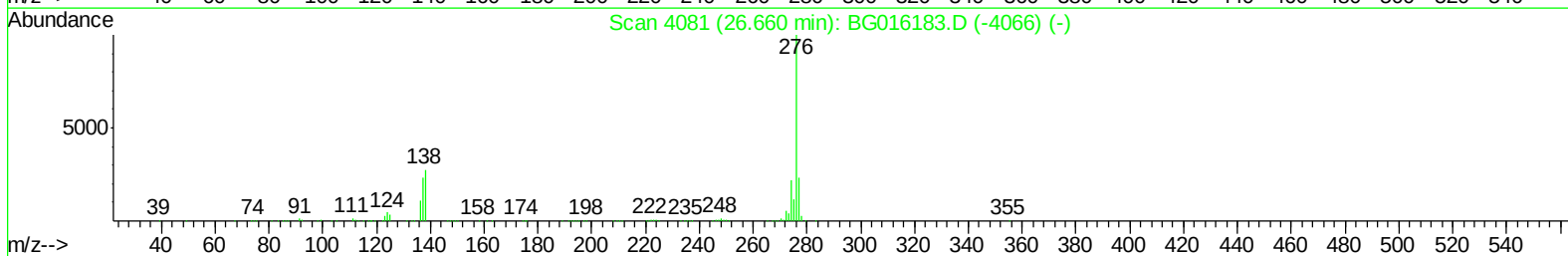
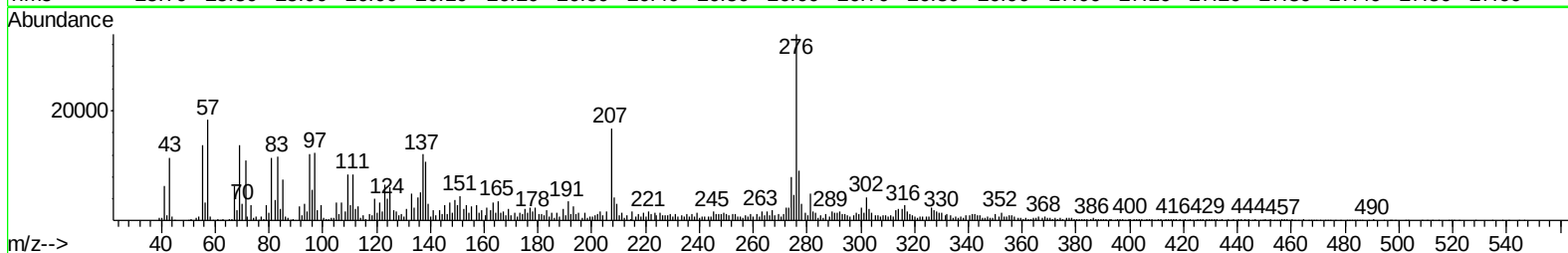
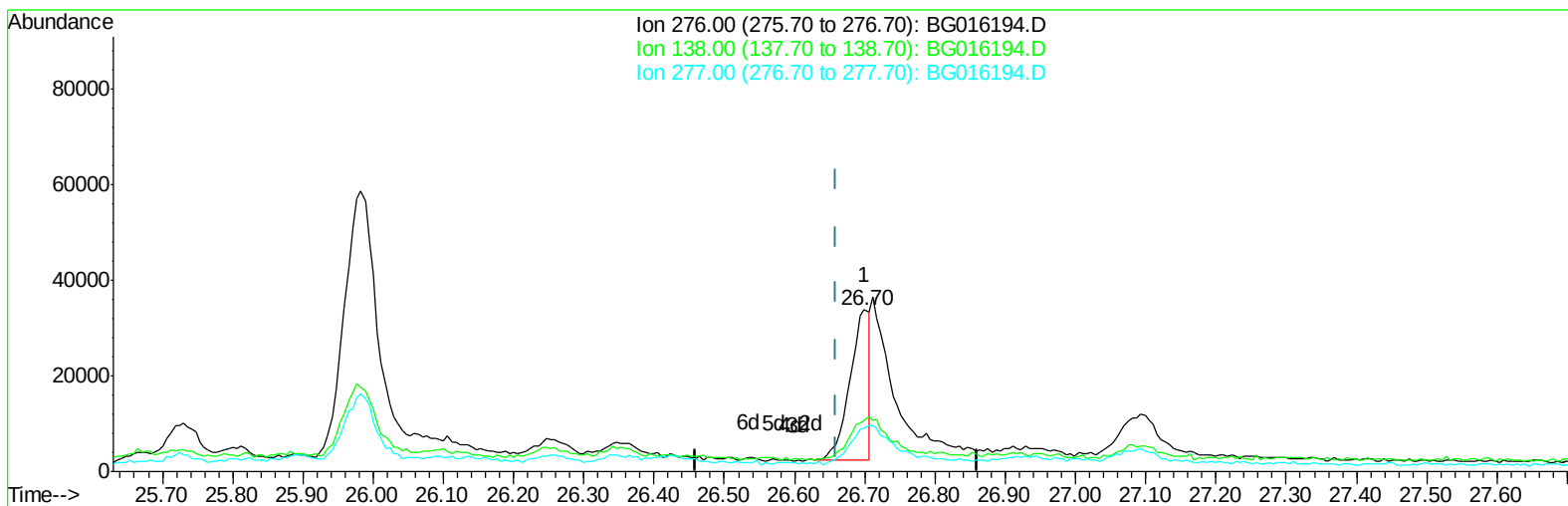
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
APPROVED

apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration



TIC: BG016194.D

(91) Benzo(g,h,i)perylene

26.699min (+0.039) 3.07ng/ul

response 60777

Ion	Exp%	Act%
276.00	100	100
138.00	27.50	31.63
277.00	23.70	26.89
0.00	0.00	0.00

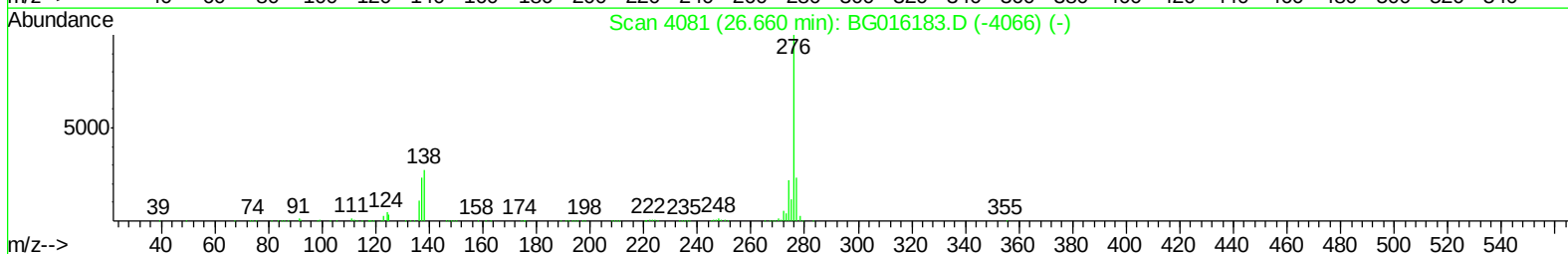
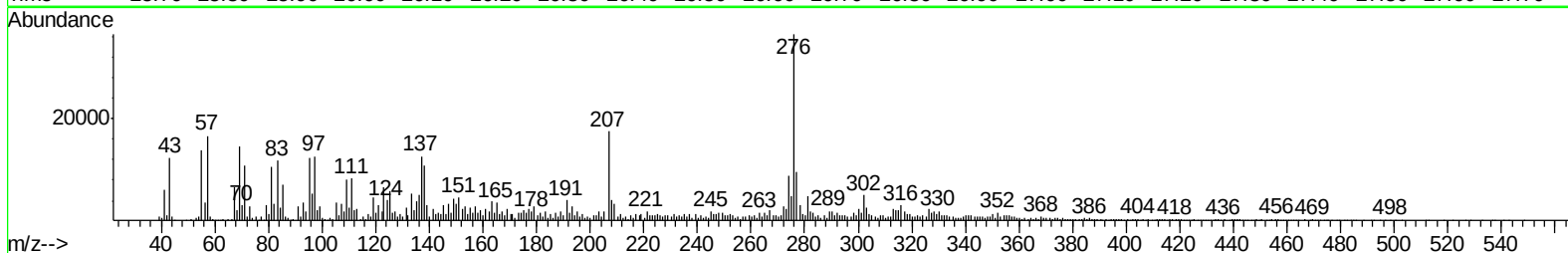
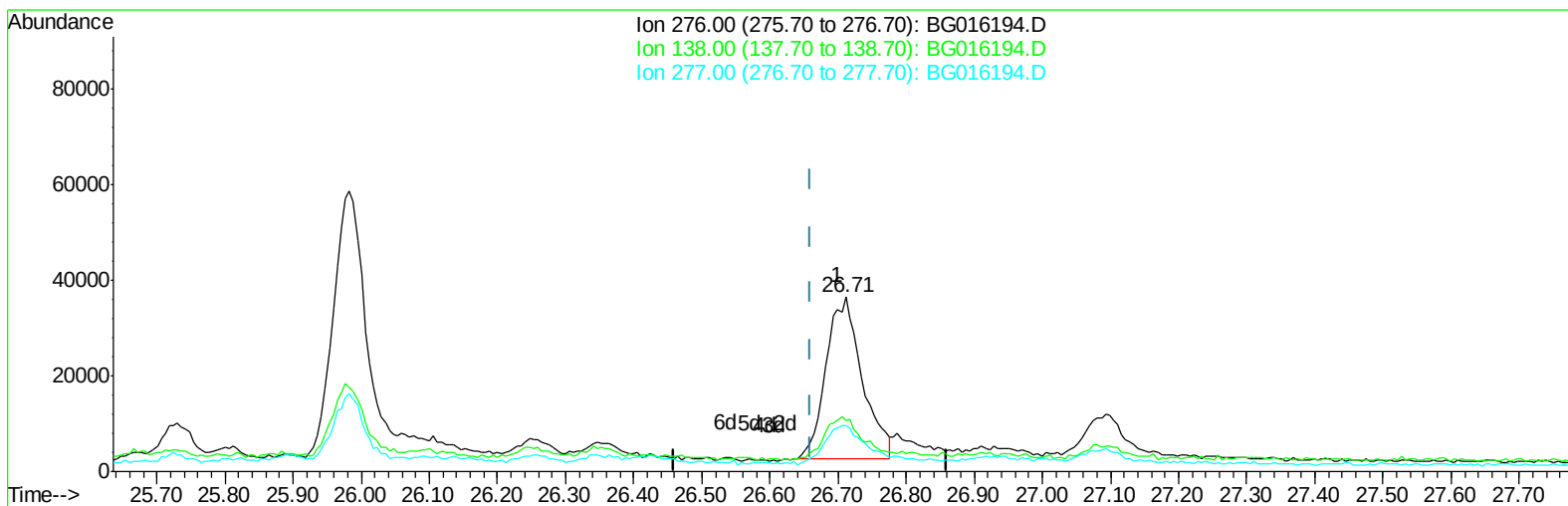
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Manual Integrations
APPROVED

apatel
3/30/2015 4:29:39 PM

Quant Time: Mar 28 06:10:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration



TIC: BG016194.D

(91) Benzo(g,h,i)perylene

26.711min (+0.051) 6.33ng/ul m

response 125146

Ion	Exp%	Act%
276.00	100	100
138.00	27.50	29.53
277.00	23.70	26.42
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016194.D
 Acq On : 28 Mar 2015 2:24
 Operator : TP/IZ
 Sample : G1647-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Manual Integrations
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apatel
 3/30/2015 4:29:39 PM

Quant Time: Mar 28 07:06:20 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	79069	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	337116	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	188694	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	347986	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	359094	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	355811	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	75518	10.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	39857	10.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	58311	10.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	56883	10.65	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	31241	11.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	31519	12.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	51851	10.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	57294	8.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	140259	11.40	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	192018	11.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	24085	8.20	ng/ul	0.00
57) Fluorene-d10	15.41	176	129096	10.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	2305	1.27	ng/ul	0.00
70) Anthracene-d10	17.26	188	177854	11.19	ng/ul	0.00
76) Pyrene-d10	19.55	212	176889	11.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	166793	10.75	ng/ul	0.02

Target Compounds

						Ovalue
28) Naphthalene	10.63	128	58503	3.21	ng/ul	97
34) 2-Methylnaphthalene	12.24	142	58429	4.54	ng/ul	98
40) 1,1'-Biphenyl	13.25	154	20520	1.39	ng/ul	98
49) Acenaphthene	14.49	153	102366	7.97	ng/ul	98
53) Dibenzofuran	14.82	168	180379	10.39	ng/ul	98
58) Fluorene	15.47	166	173348	11.44	ng/ul	98
69) Phenanthrene	17.21	178	1109103	56.07	ng/ul	96
71) Anthracene	17.29	178	231639	11.53	ng/ul	99
72) Carbazole	17.56	167	86356	4.47	ng/ul	99
74) Fluoranthene	19.22	202	1069825	47.84	ng/ul	98
77) Pyrene	19.59	202	896501	40.57	ng/ul	99
80) Benzo(a)anthracene	21.32	228	452633	22.25	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.24	149	12851	1.05	ng/ul#	96
82) Chrysene	21.37	228	412120	21.29	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	562994	27.57	ng/ul#	94
86) Benzo(k)fluoranthene	22.97	252	182980m	9.07	ng/ul	
88) Benzo(a)pyrene	23.53	252	381331	18.74	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.98	276	183898	7.81	ng/ul	95
90) Dibenzo(a,h)anthracene	25.99	278	47875	2.43	ng/ul#	78
91) Benzo(g,h,i)perylene	26.71	276	125146m	6.33	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed