

Quantitation Report (QT Reviewed)

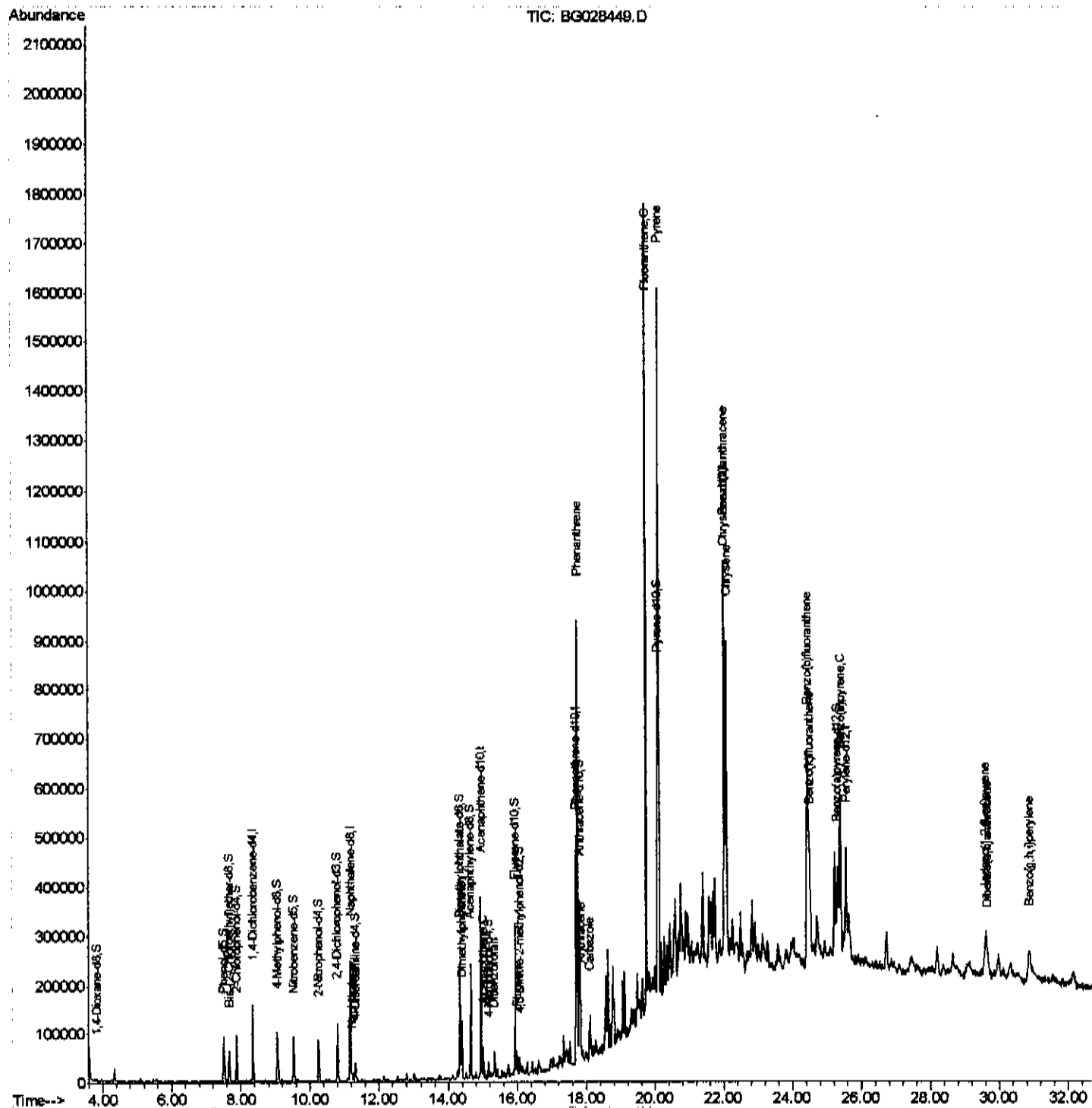
Data Path : U:\HPCHEM1\BNA G\Data\BG082317\
 Data File : BG028449.D
 Acq On : 23 Aug 2017 14:05
 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0AC2

Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:30 PM

Quant Time: Aug 24 04:08:49 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration



Quantitation Report (Qedit)

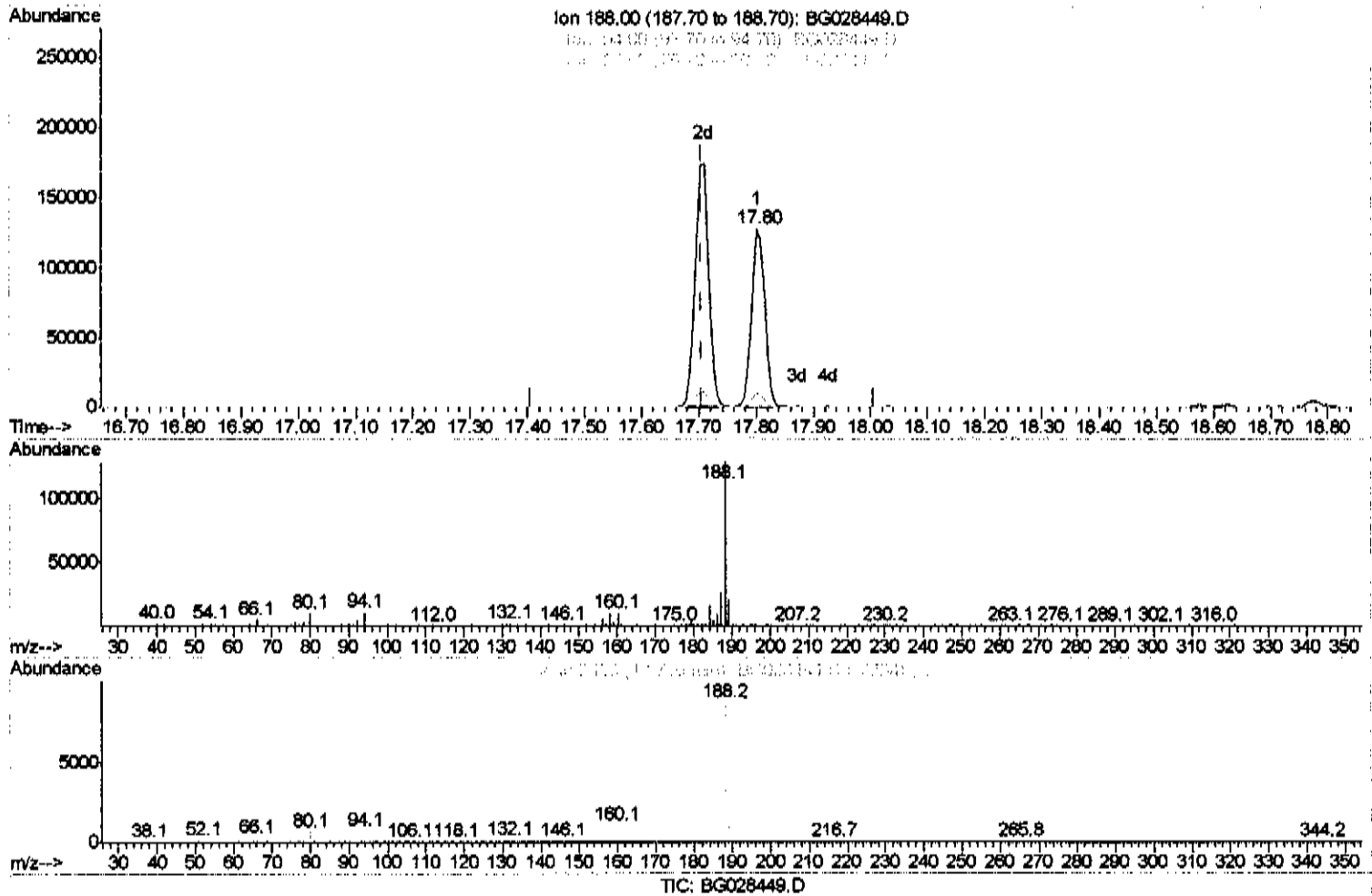
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 8/24/2017 4:38:30 PM

Quant Time: Aug 24 01:31:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)
 17.801min (+0.095) 20.00ng/ui
 response 199455

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.34
80.00	9.50	8.18
0.00	0.00	0.00

Quantitation Report (Qedit)

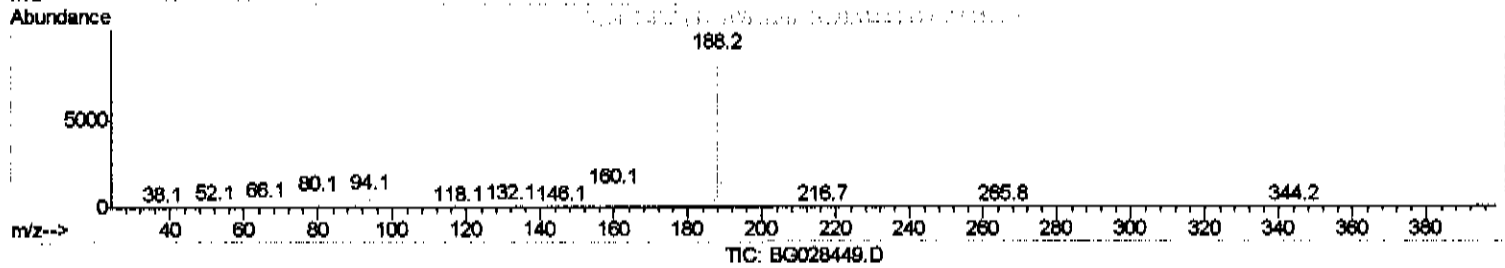
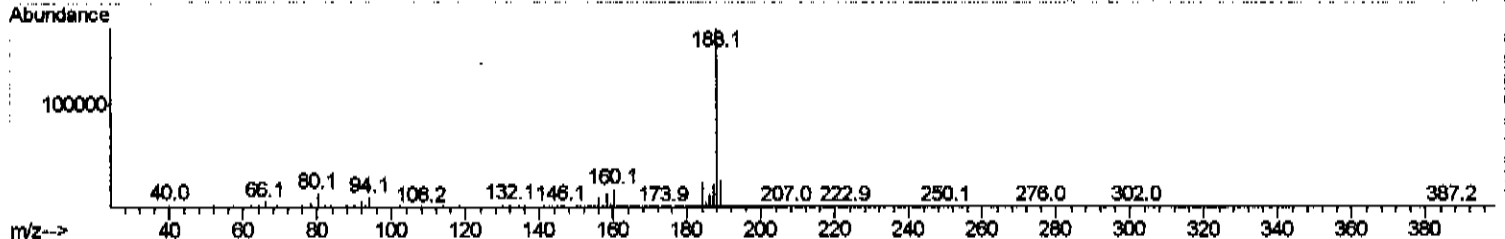
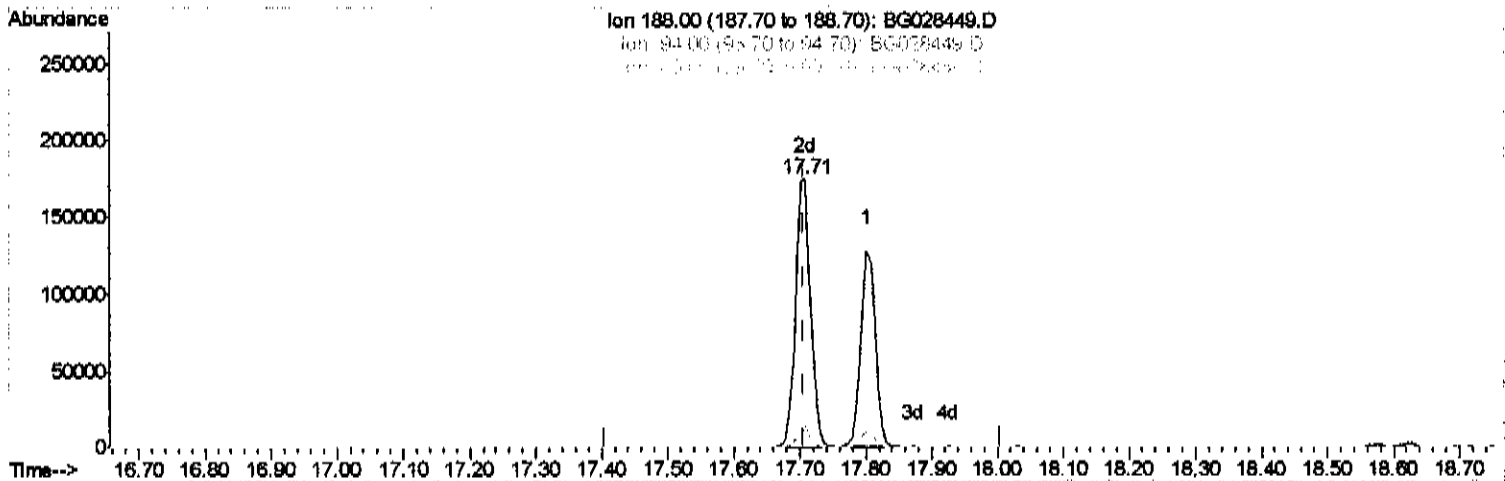
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(61) Phenanthrene-d10 (I)

17.707min (+0.001) 20.00ng/ul m

response 277735

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	5.90W
80.00	9.50	8.15
0.00	0.00	0.00

Handwritten signature and date: 8/24/17

Quantitation Report (Qedit)

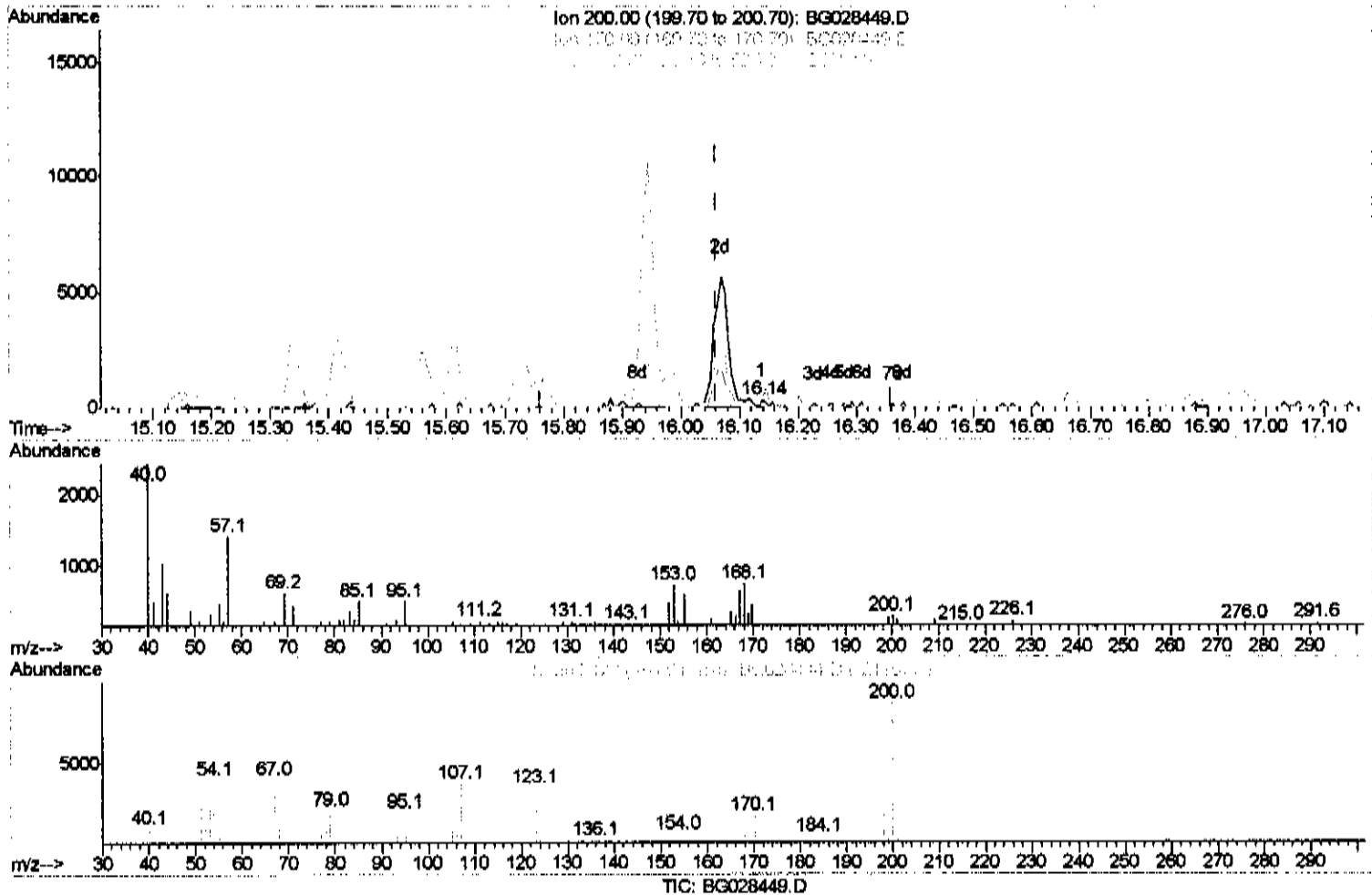
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Quant Time: Aug 24 04:03:01 2017
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(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.139min (+0.078) 0.13ng/ul

response 228

Ion	Exp%	Act%
200.00	100	100
170.00	23.20	148.10%
52.00	47.20	0.00%
0.00	0.00	0.00

Quantitation Report (Qedit)

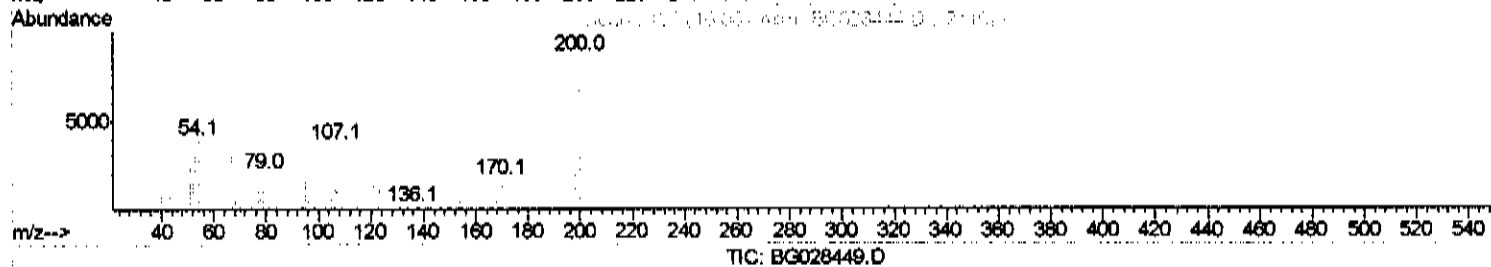
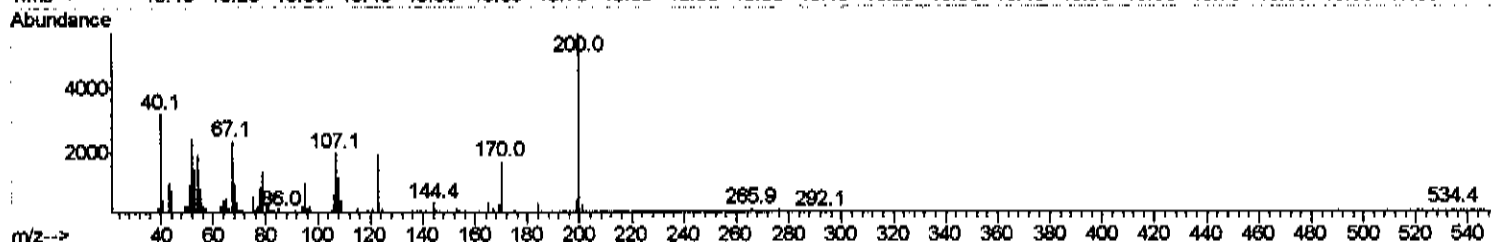
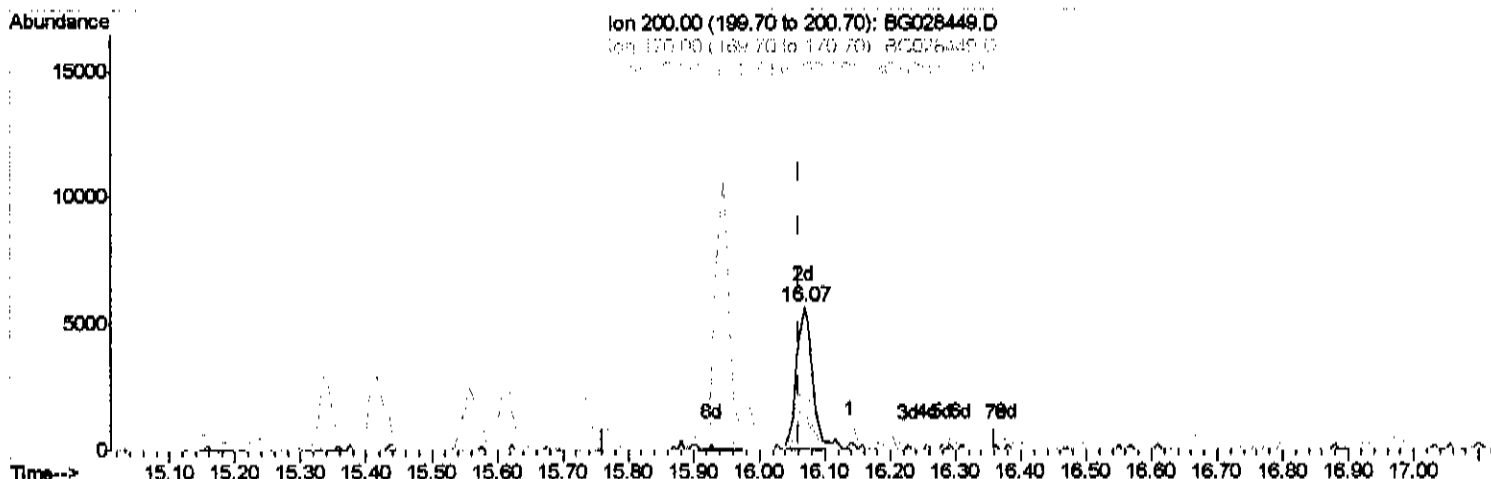
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Instrument :
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(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.068min (+0.007) 5.42ng/ul m

response 9782

Ion	Exp%	Act%
200.00	100	100
170.00	23.20	30.31#
52.00	47.20	43.05
0.00	0.00	0.00

Quantitation Report (Qedit)

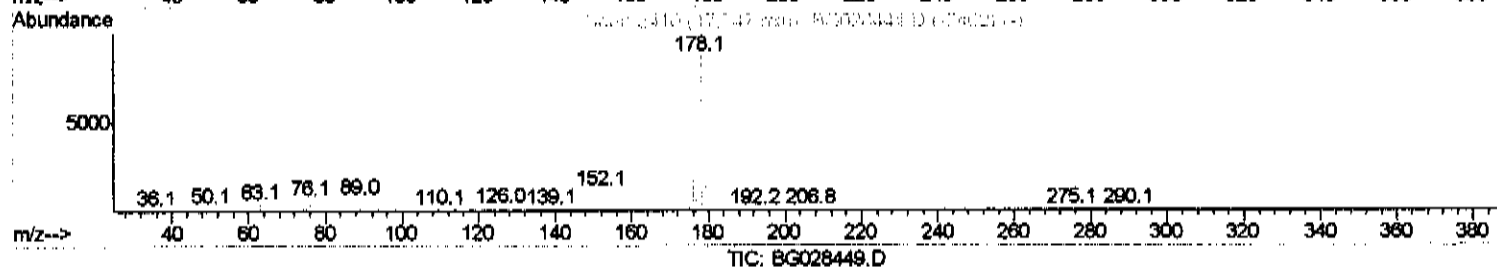
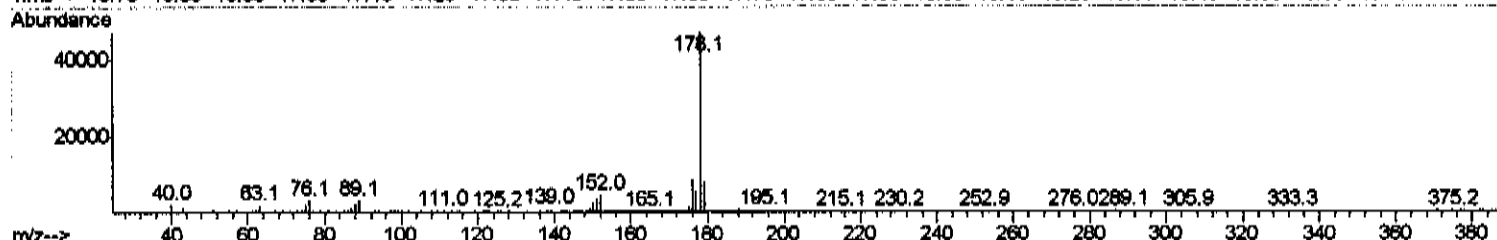
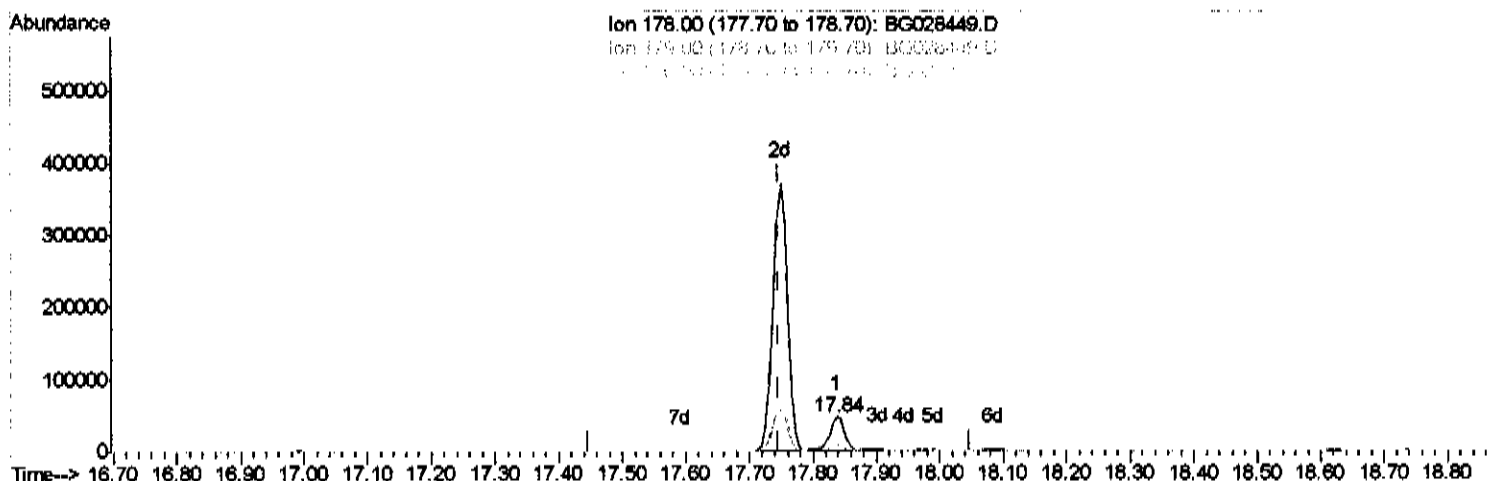
Data Path : U:\HPCHEM1\BNA G\Data\BG082317\
 Data File : BG028449.D
 Acq On : 23 Aug 2017 14:05
 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0AC2

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(69) Phenanthrene

17.837min (+0.089) 5.53ng/ul

response 77249

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	17.32
176.00	20.60	17.87
0.00	0.00	0.00

Quantitation Report (Qedit)

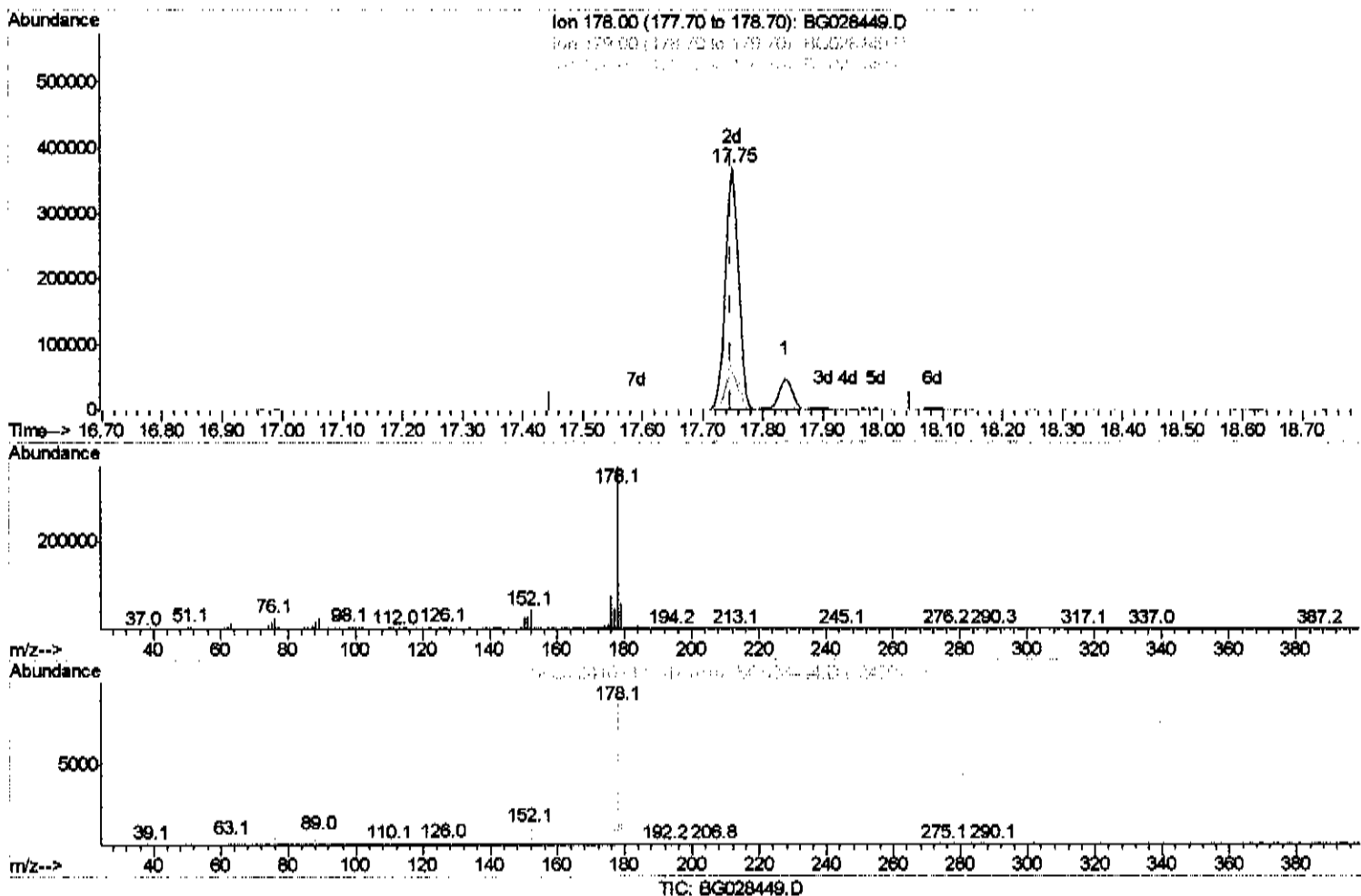
Data Path : U:\HPCHEM1\BNA G\Data\BG082317\
 Data File : BG028449.D
 Acq On : 23 Aug 2017 14:05
 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0AC2

Manual Integrations
 APPROVED

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(69) Phenanthrene

17.749min (+0.001) 40.48ng/ul m

response 565767

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.96
176.00	20.60	19.80
0.00	0.00	0.00

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Quantitation Report (Qedit)

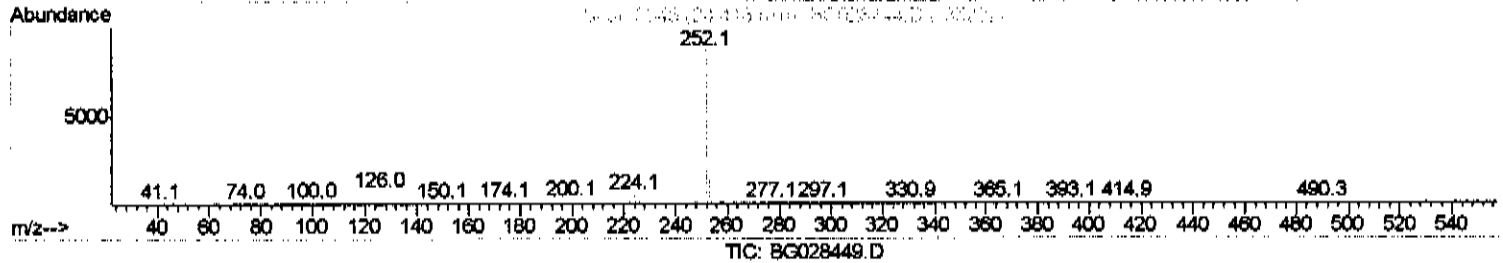
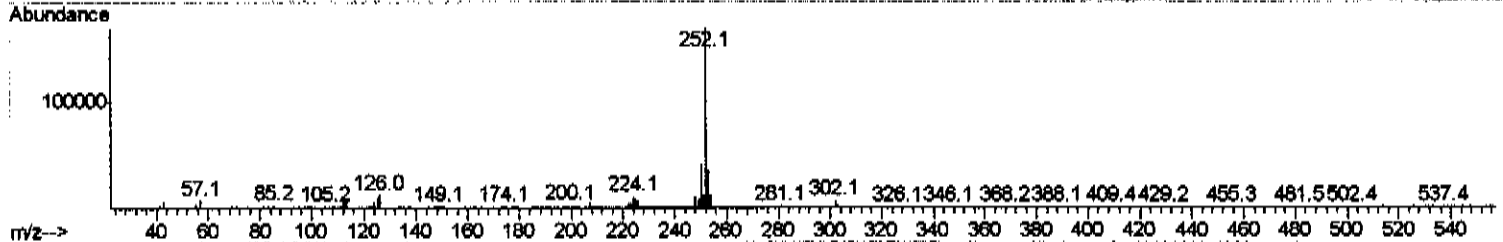
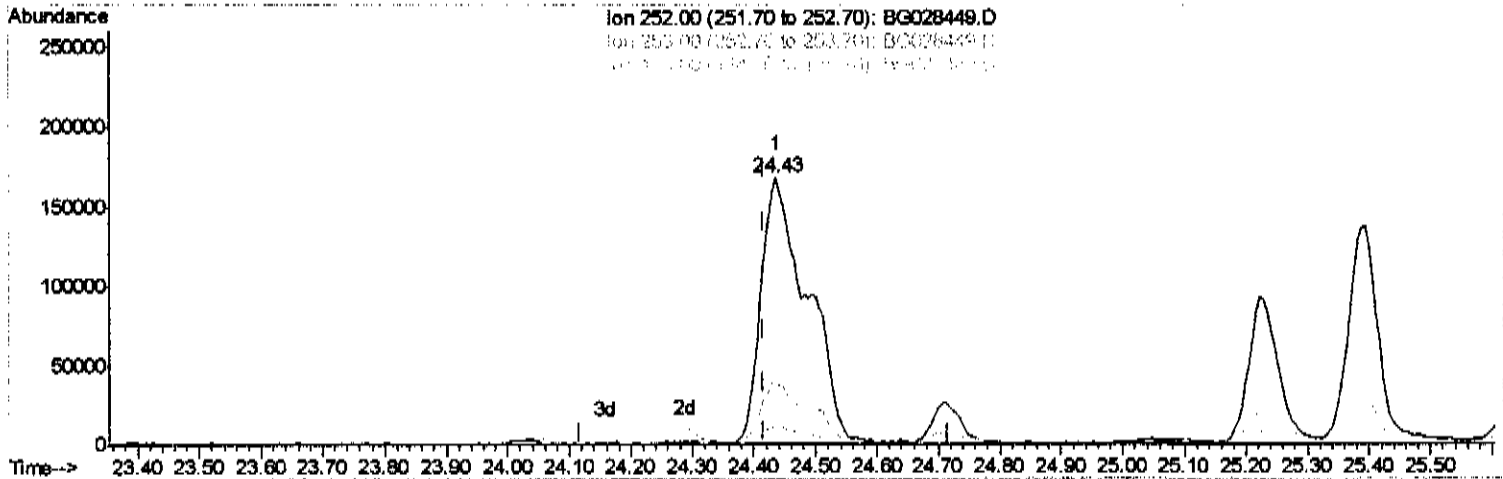
Data Path : U:\HPCHEM1\BNA G\Data\BG082317\
 Data File : BG028449.D
 Acq On : 23 Aug 2017 14:05
 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AC2

Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:30 PM

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(85) Benzo(b)fluoranthene

24.435min (+0.019) 46.18ng/ul

response 862016

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	21.66
125.00	5.00	6.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

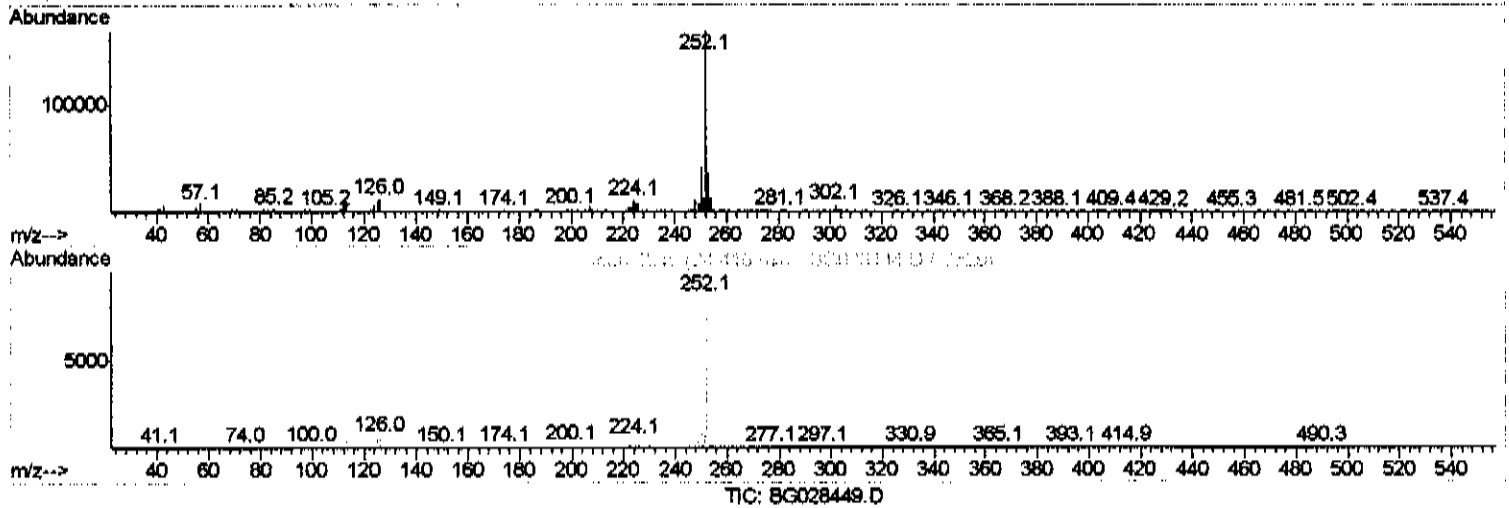
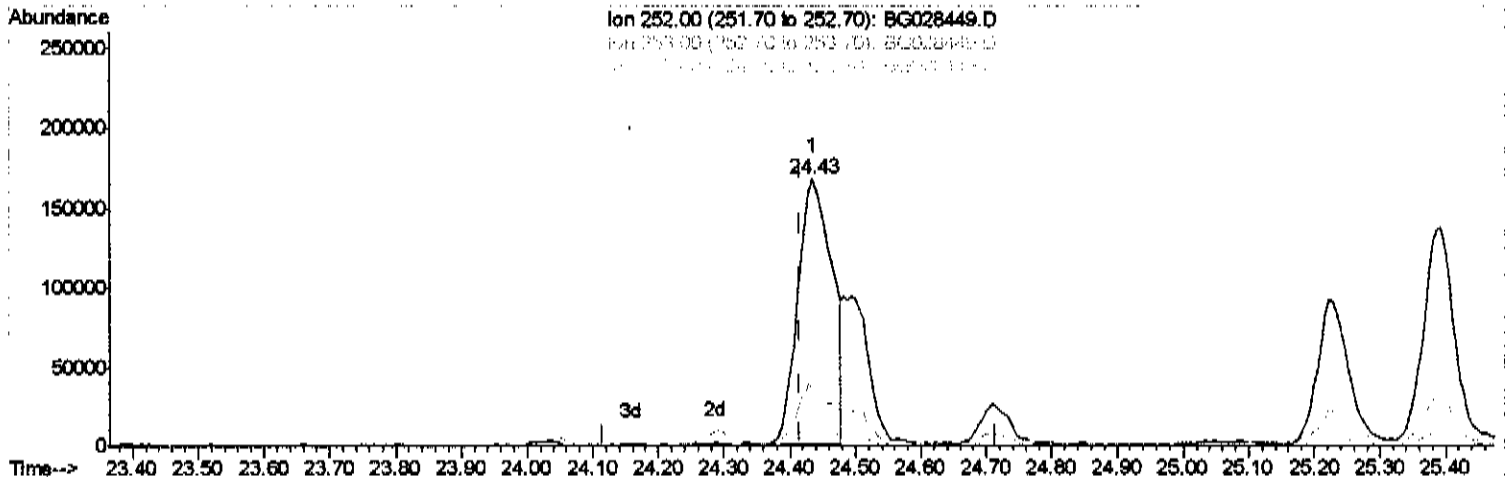
Data Path : U:\HPCHEM1\BNA G\Data\BG082317\
 Data File : BG028449.D
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 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0AC2

Manual Integrations
 APPROVED

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(85) Benzo(b)fluoranthene

24.435min (+0.019) 32.38ng/ul m

response 604516

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	21.66
125.00	5.00	6.11#
0.00	0.00	0.00

JSA: 8/24/17

Quantitation Report (Qedit)

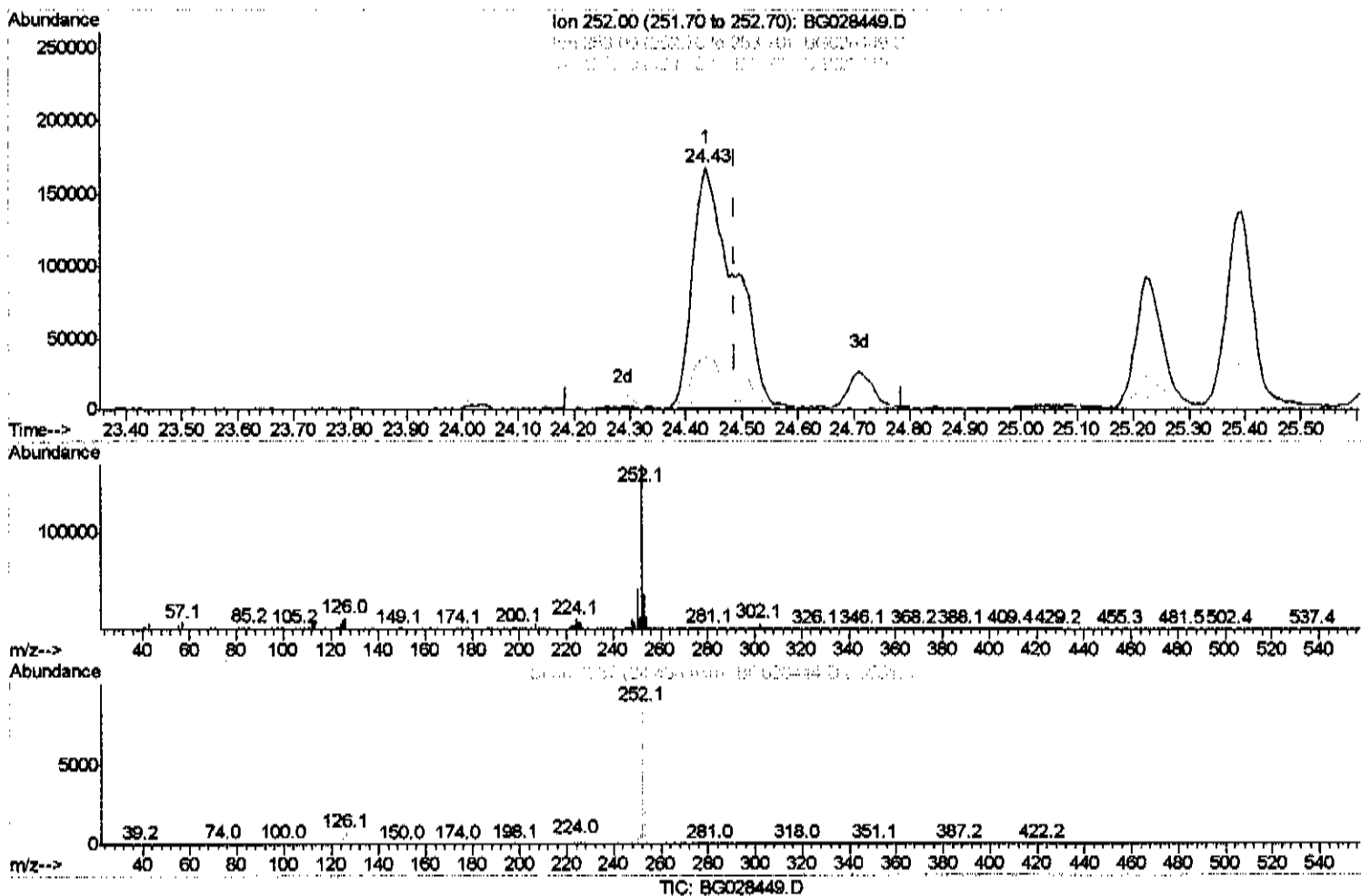
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 ALS Vial : 7 Sample Multiplier: 1

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Manual Integrations
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(86) Benzo(k)fluoranthene
 24.435min (-0.052) 47.28ng/ul
 response 862016

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	21.66
125.00	5.10	6.11
0.00	0.00	0.00

Quantitation Report (Qedit)

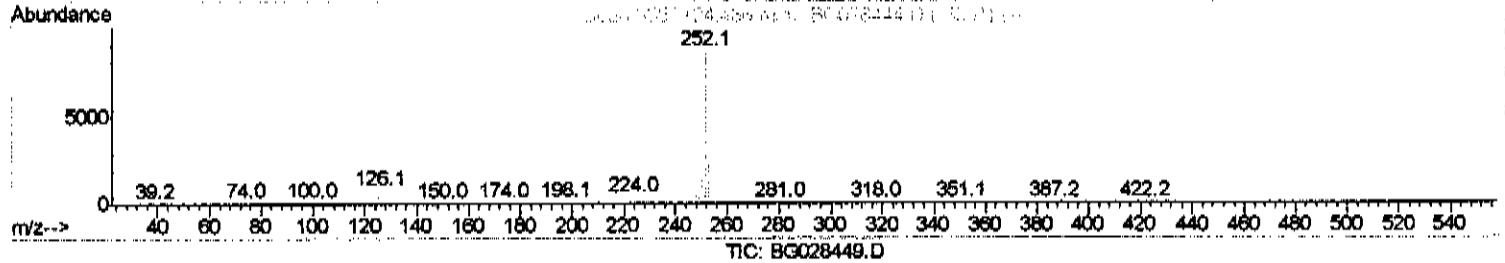
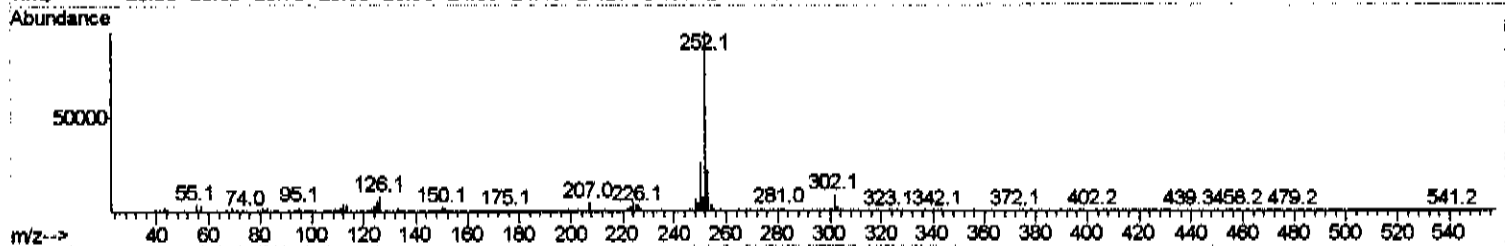
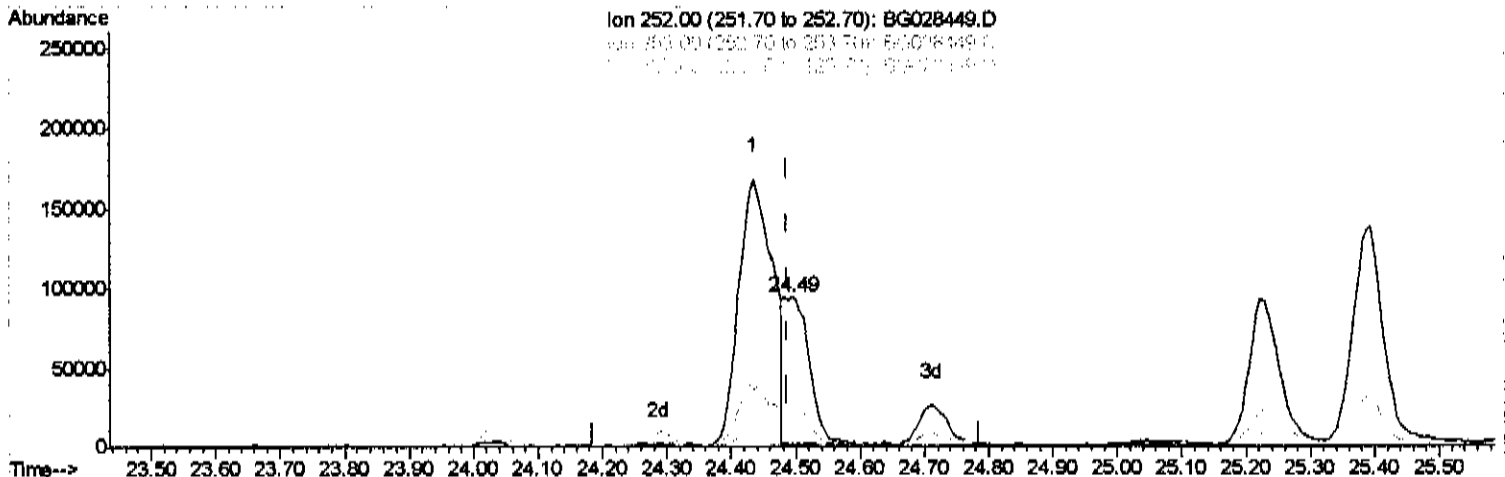
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Manual Integrations
 APPROVED

Sohil
 8/24/2017 4:38:30 PM

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(86) Benzo(k)fluoranthene

24.494min (+0.007) 14.04ng/ul m

response 255894

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.42
125.00	5.10	6.20#
0.00	0.00	0.00

Signature 8/24/17

Instrument :
BNA_G
ClientSampleId :
B0AC2

Manual Integrations

Sohil
8/24/2017 4:38:30 PM

Abundance

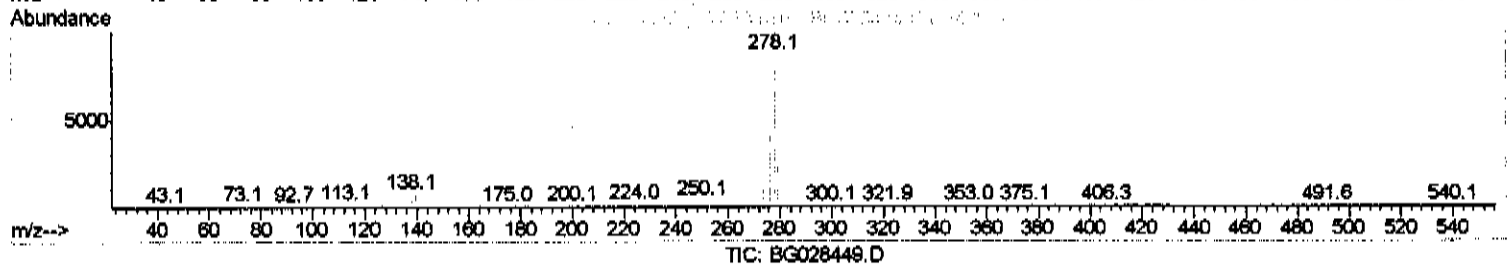
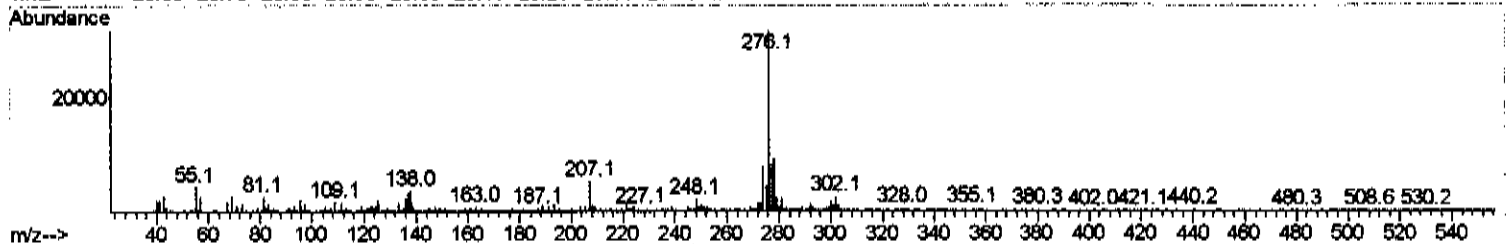
Ion 278.00 (277.70 to 278.70): BG028449.D
Scan 109 (9.130 to 9.150 min): 57028449.D
Scan 109 (9.130 to 9.150 min): 57028449.D

14000
12000
10000
8000
6000
4000
2000
0

Time--> 28.60 28.70 28.80 28.90 29.00 29.10 29.20 29.30 29.40 29.50 29.60 29.70 29.80 29.90 30.00 30.10 30.20 30.30 30.40 30.50 30.60

5d
2d
1d

29.61



Ion	Exp%	Act%
278.00	100	100
139.00	8.40	11.85
279.00	26.10	30.47
0.00	0.00	0.00

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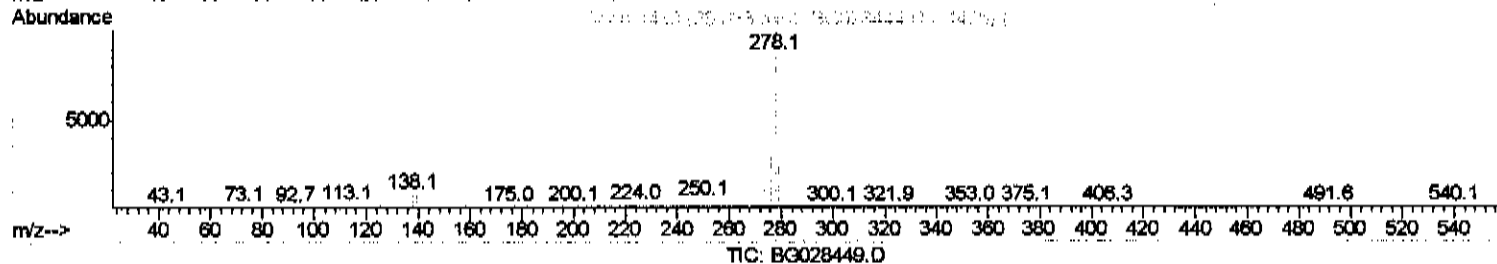
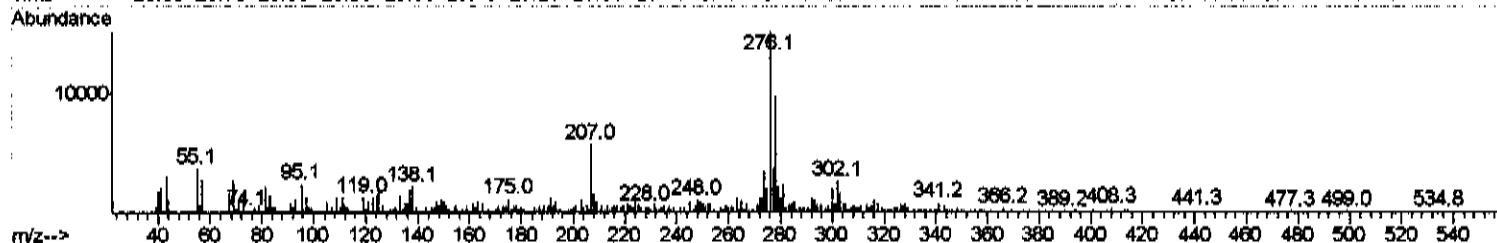
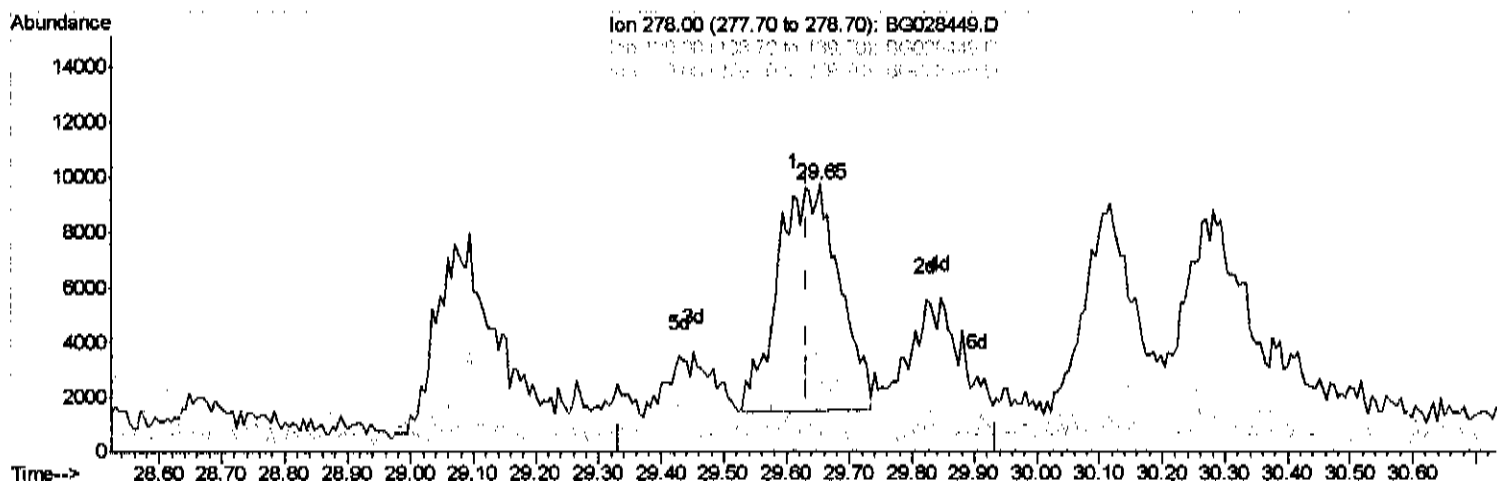
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(90) Dibenzo(a,h)anthracene

29.652min (+0.019) 3.14ng/ul m

response 55671

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	5.87%
279.00	26.10	23.56
0.00	0.00	0.00

JAS 8/24/17

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	45734	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	201362	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	127394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	277735m	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	325393	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	311940	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.83	96	1900	1.93	ng/uL	0.00
5) Phenol-d5	7.50	99	51362	10.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	33615	10.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	41452	13.08	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	41803	9.96	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	22792	14.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	25554	14.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	45841	12.83	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	20879	5.25	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	155301	13.71	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	175533	13.74	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	10557	5.86	ng/ul	0.02
57) Fluorene-d10	15.94	176	132494	13.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	9782m	5.42	ng/ul	0.00
70) Anthracene-d10	17.80	188	199455	14.98	ng/ul	0.00
76) Pyrene-d10	20.08	212	236954	14.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	224127	15.35	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	11.21	128	12890	1.292	ng/ul#	96
44) Dimethylphthalate	14.39	163	69615	6.673	ng/ul#	96
49) Acenaphthene	15.02	153	24525	2.977	ng/ul	99
53) Dibenzofuran	15.35	168	22202	1.849	ng/ul	98
58) Fluorene	16.00	166	20992	1.974	ng/ul	99
69) Phenanthrene	17.75	178	565322m	40.446	ng/ul	96
71) Anthracene	17.84	178	77513	5.426	ng/ul	97
72) Carbazole	18.11	167	52734	4.245	ng/ul	97
74) Fluoranthene	19.75	202	1039613	61.202	ng/ul	99
77) Pyrene	20.11	202	927276	47.765	ng/ul	98
80) Benzo(a)anthracene	22.02	228	508188	27.030	ng/ul	99
82) Chrysene	22.09	228	503343	29.727	ng/ul	97
85) Benzo(b)fluoranthene	24.43	252	604516m	32.384	ng/ul	96
86) Benzo(k)fluoranthene	24.49	252	255994m	14.040	ng/ul	96
88) Benzo(a)pyrene	25.39	252	443348	24.530	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.59	276	215305	10.173	ng/ul#	91
90) Dibenzo(a,h)anthracene	29.65	278	55671m	3.138	ng/ul	93
91) Benzo(a,h,i)perylene	30.86	276	176924	10.161	ng/ul#	93

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