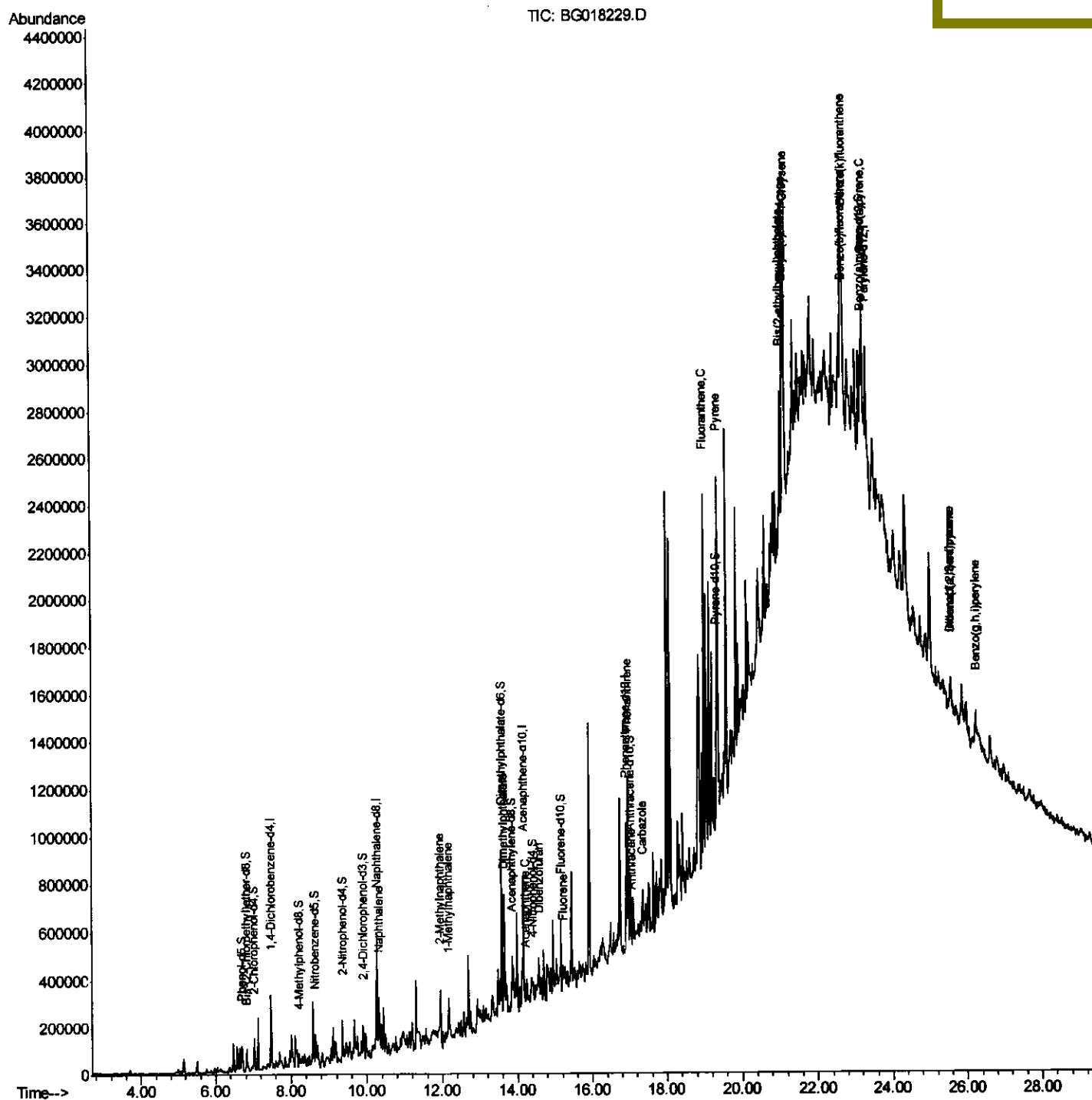


Quant Time: Aug 03 18:30:59 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

Manual Integrations

MMDadoda
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Quantitation Report (Qedit)

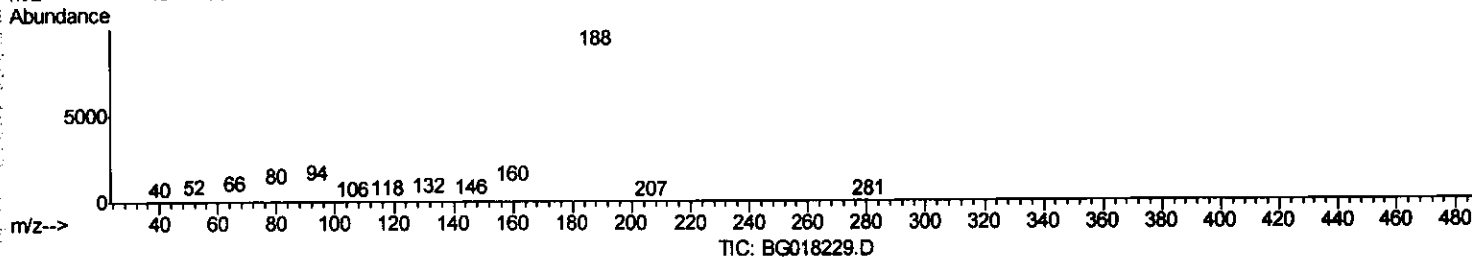
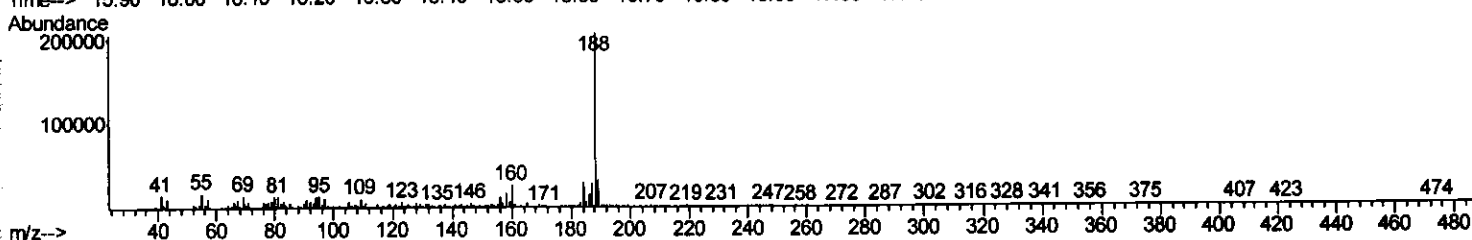
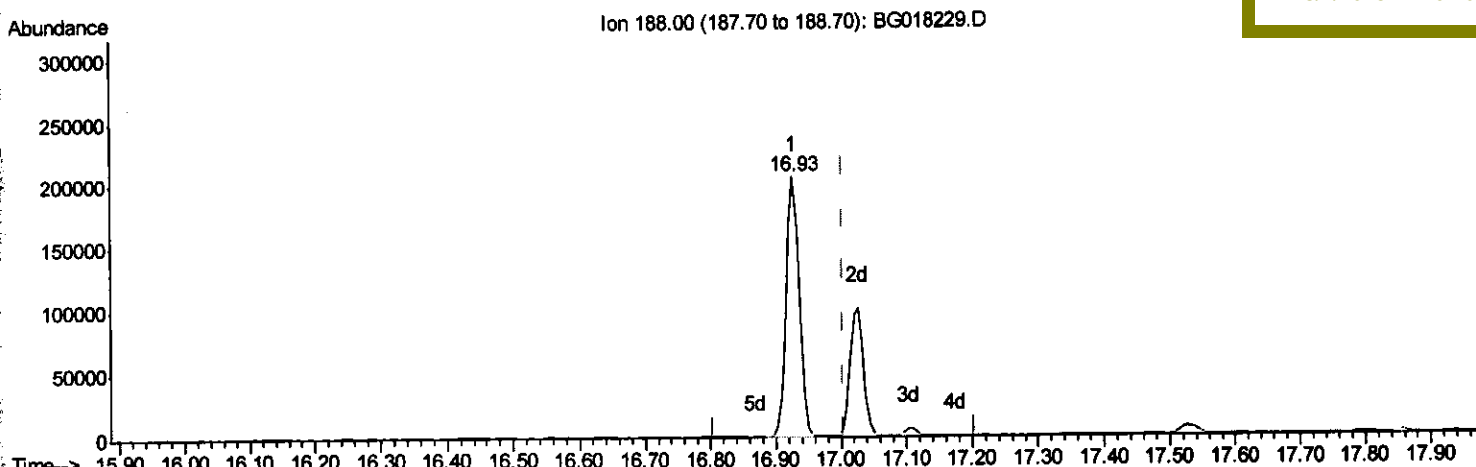
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 06:02:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Manual Integrations
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(71) Anthracene-d10 (S)

16.926min (-0.077) 23.02ng/ul

response 278866

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	6.54
80.00	6.10	6.82
0.00	0.00	0.00

Quantitation Report (Qedit)

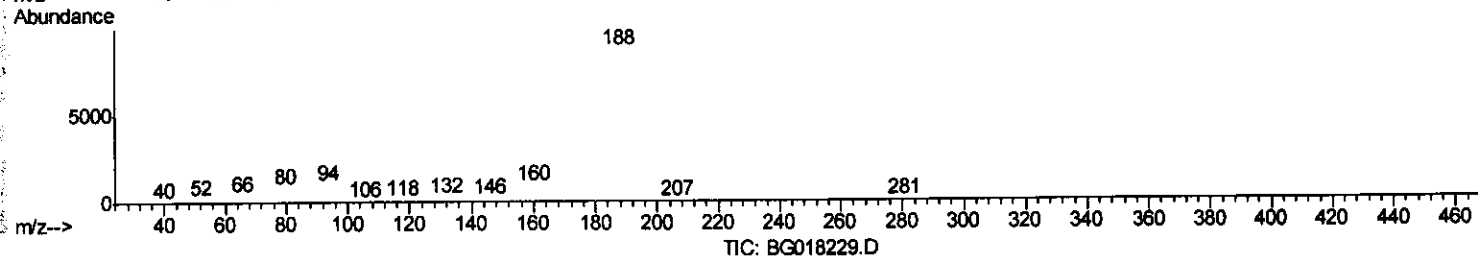
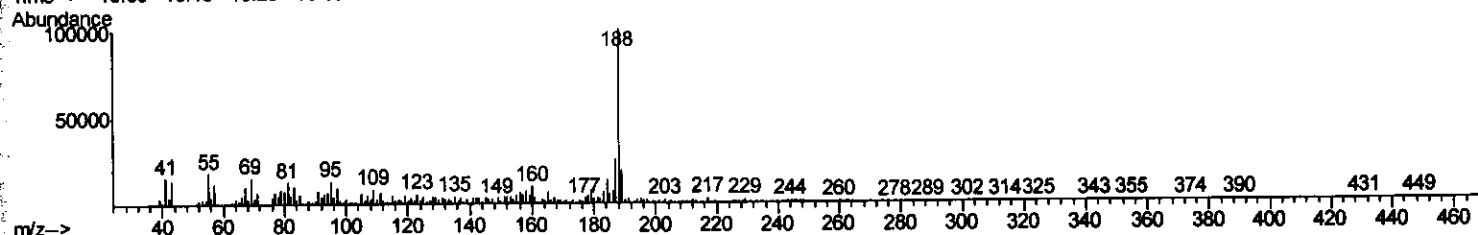
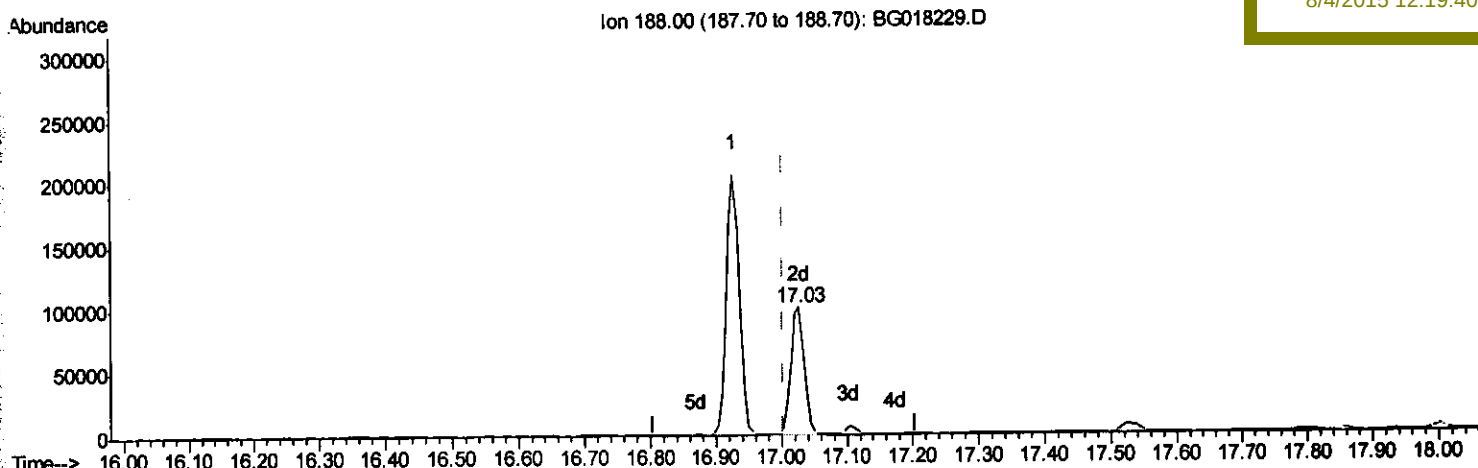
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 06:02:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
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(71) Anthracene-d10 (S)

17.026min (+0.023) 11.87ng/ul m

response 143788

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	7.02
80.00	6.10	7.90#
0.00	0.00	0.00

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 08/11/15

Quantitation Report (Qedit)

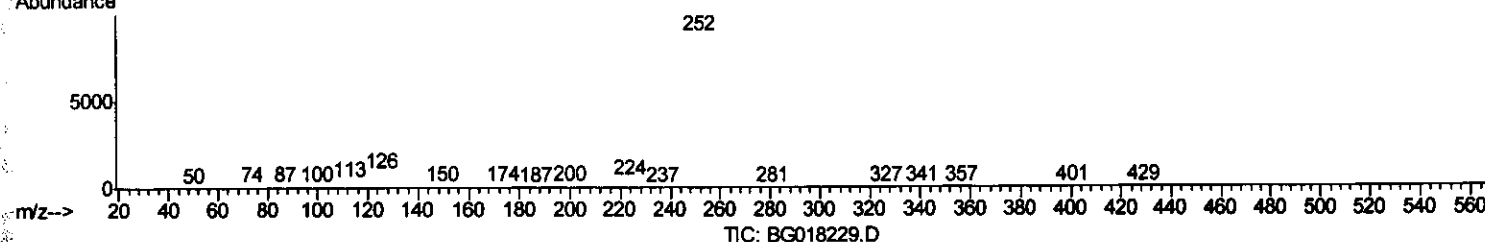
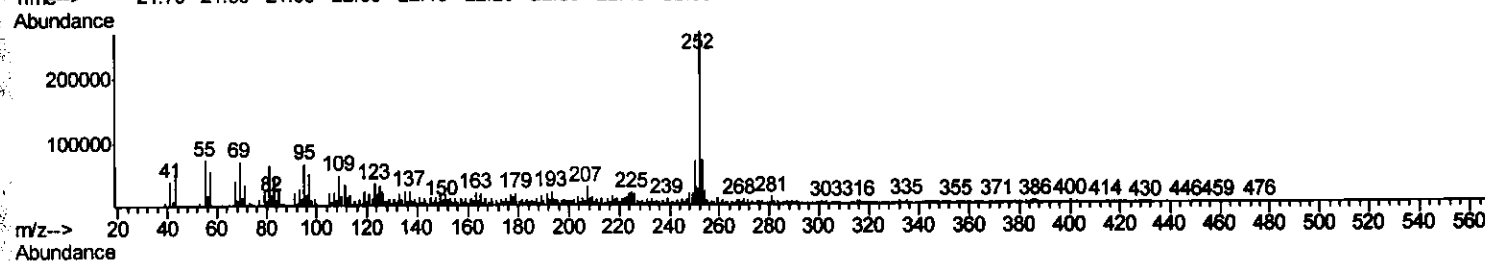
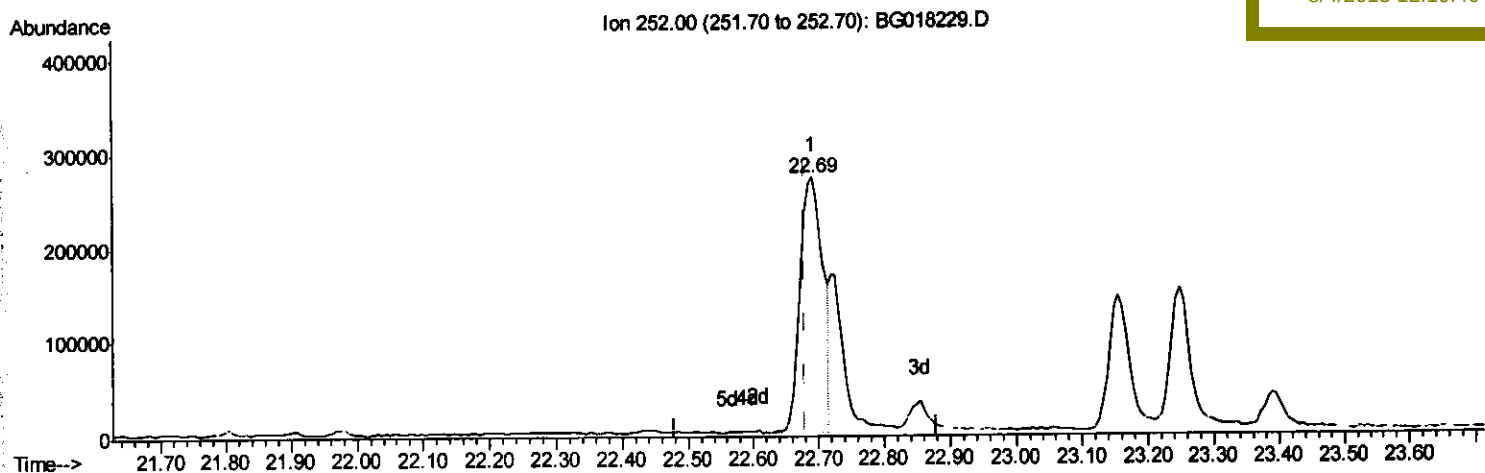
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
Data File : BG018229.D
Acq On : 2 Aug 2015 17:00
Operator : TP
Sample : G3065-01RE
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 03 06:02:31 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
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Instrument :
BNA_G
ClientSampleId :
C01Z4RE

Manual Integrations
APPROVED

MMDadoda
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(89) Benzo(k)fluoranthene

22.690min (+0.011) 34.10ng/ul

response 654052

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.28
125.00	9.40	11.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

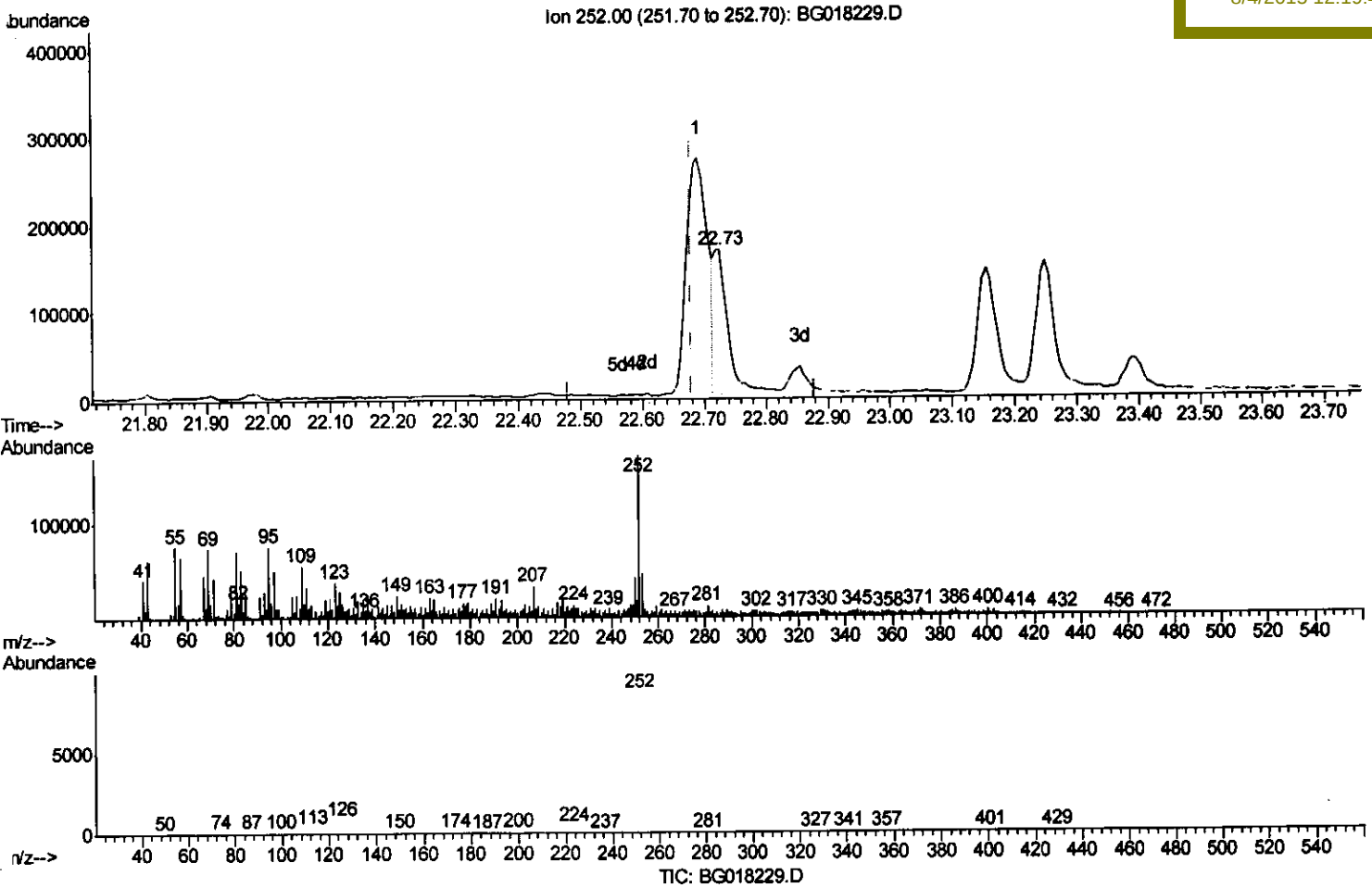
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acc On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Manual Integration
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Quant Time: Aug 03 06:02:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.725min (+0.046) 11.78ng/ul m

response 225927

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.75
125.00	9.40	16.36#
0.00	0.00	0.00

> $\frac{U.M}{08/11/15}$

Quantitation Report (Qedit)

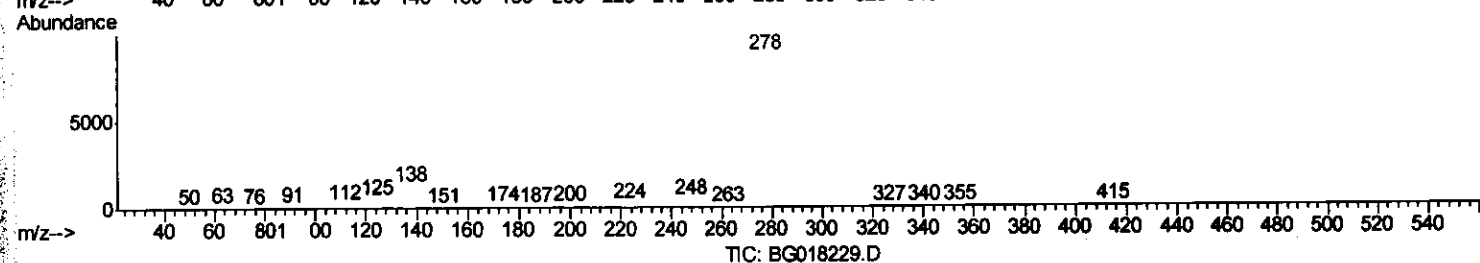
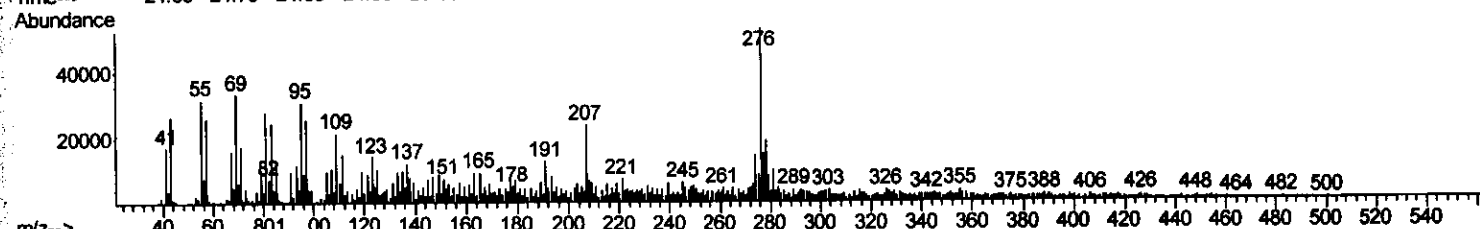
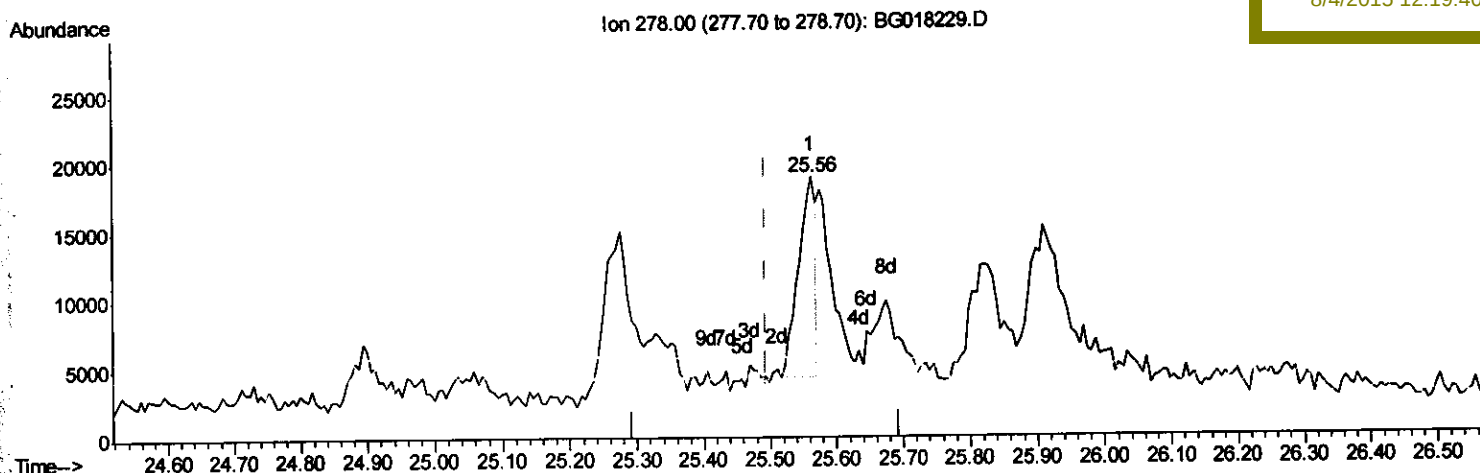
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 06:02:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
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Manual Integrations
 APPROVED

MMDadoda
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(93) Dibenzo(a,h)anthracene

25.563min (+0.070) 1.42ng/ul

response 26214

Ion	Exp%	Act%
278.00	100	100
139.00	15.20	33.32#
279.00	25.00	42.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

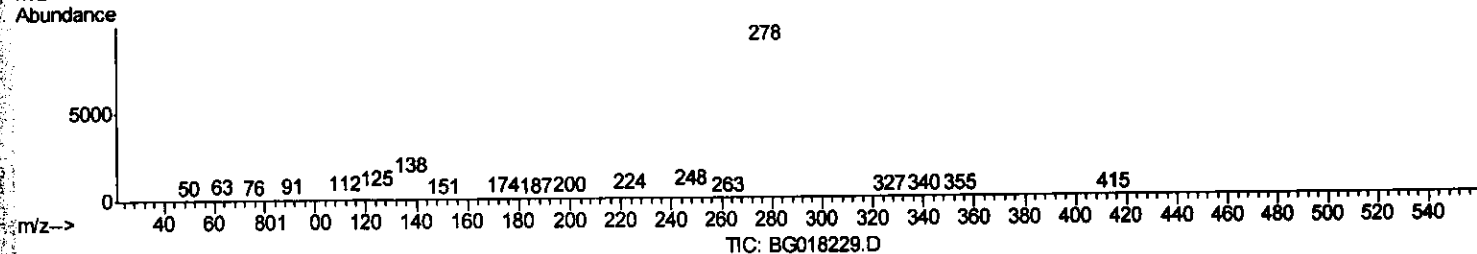
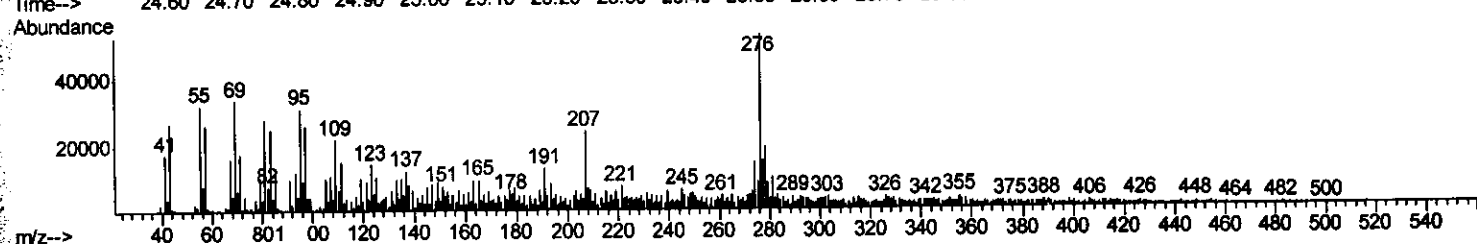
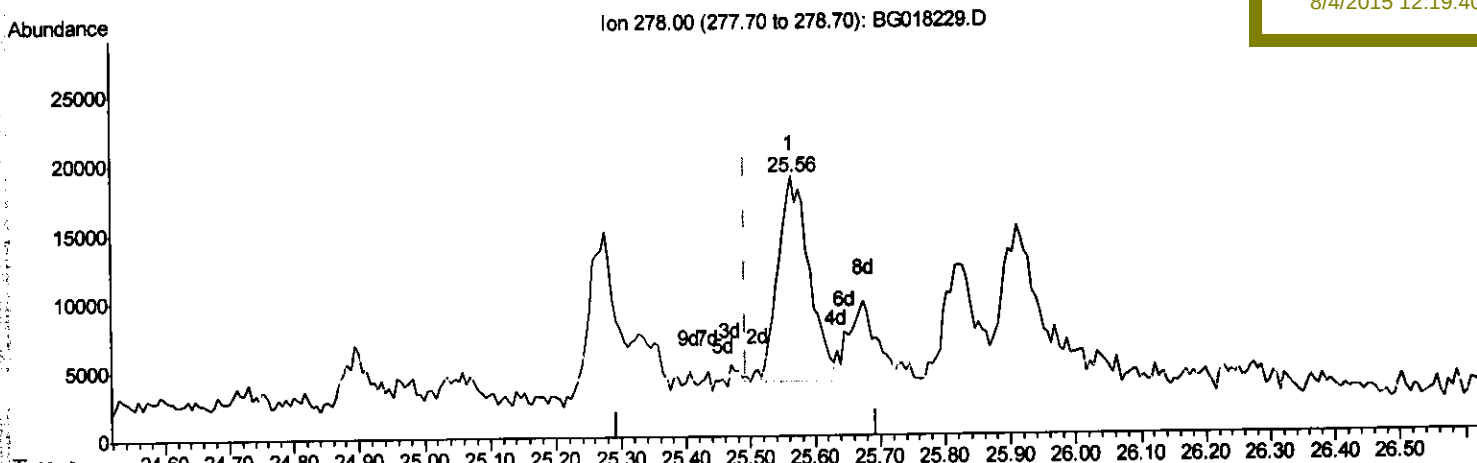
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 06:02:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
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(93) Dibenzo(a,h)anthracene

25.563min (+0.070) 2.70ng/ul m

response 50003

Ion	Exp%	Act%
278.00	100	100
139.00	15.20	33.32#
279.00	25.00	42.78#
0.00	0.00	0.00

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 08/11/15

Quantitation Report (Qedit)

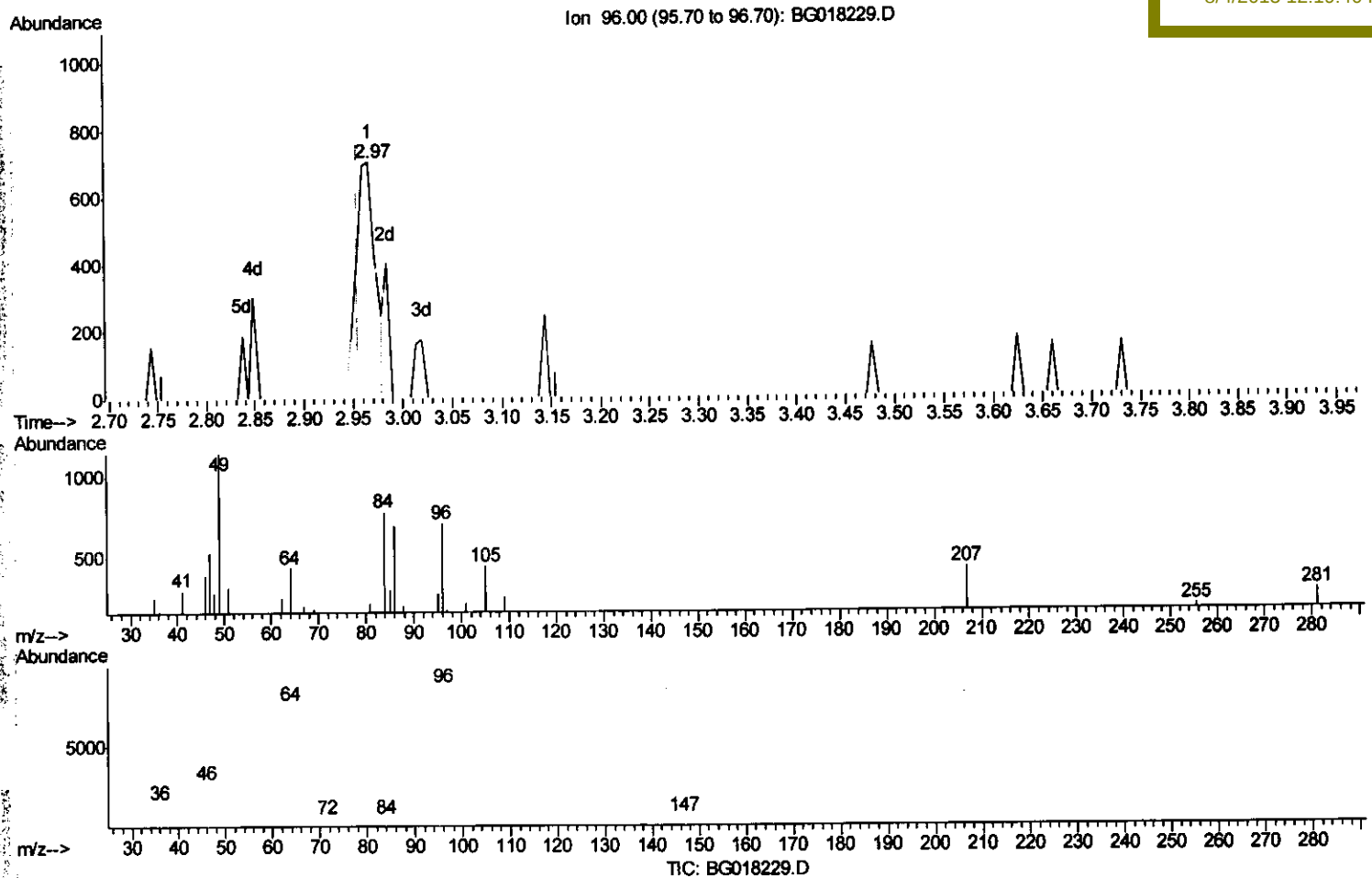
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 09:58:20 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
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(3) 1,4-Dioxane-d8 (S)

2.966min (+0.011) 0.86ng/uL

response 943

Ion	Exp%	Act%
96.00	100	100
64.00	43.20	14.63#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

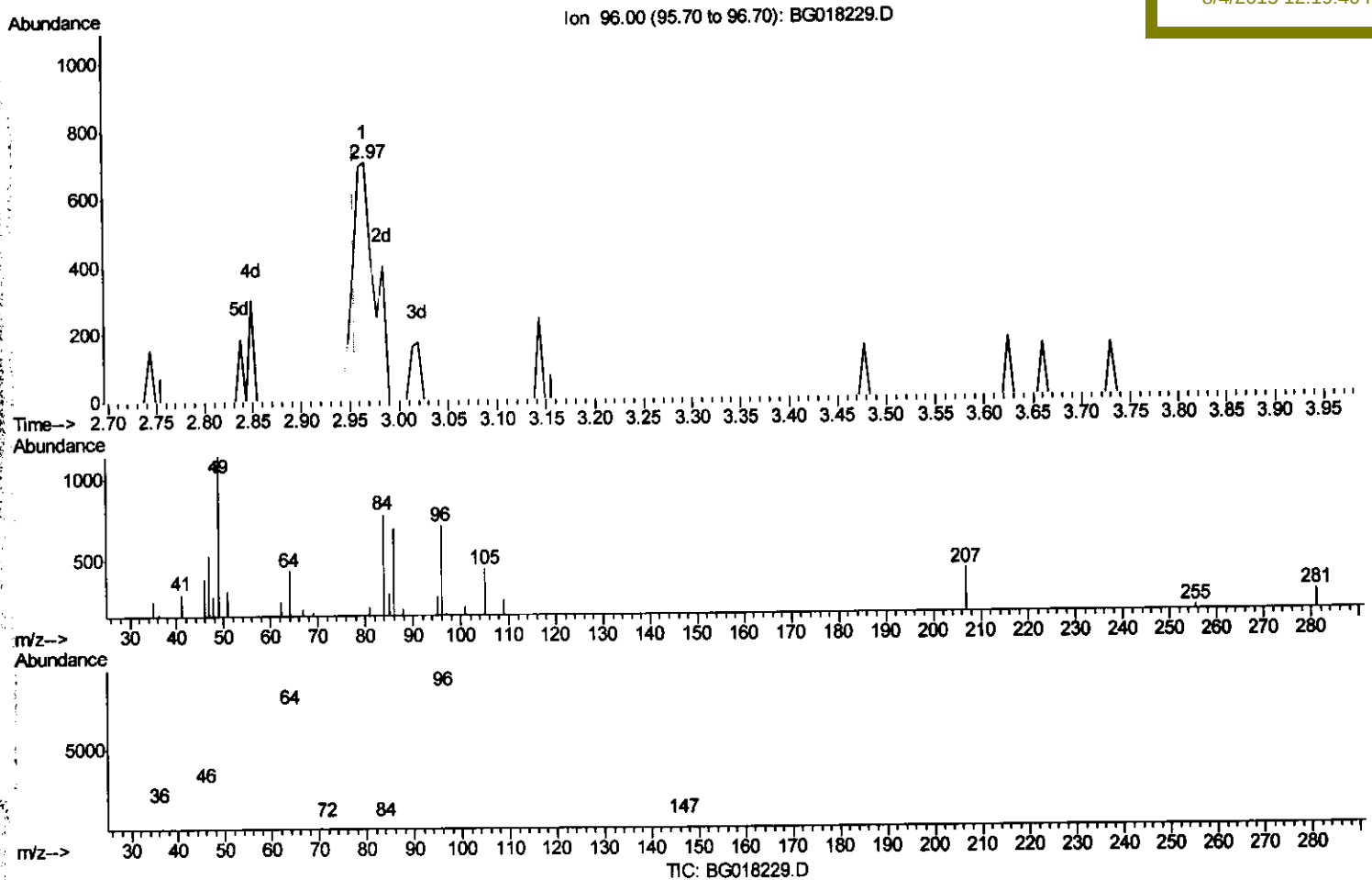
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 03 09:58:20 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
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Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Manual Integrations
 APPROVED

MMDadoda
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(3) 1,4-Dioxane-d8 (S)

2.966min (+0.011) 0.98ng/uL m

response 1084

Ion	Exp%	Act%
96.00	100	100
64.00	43.20	12.73#
34.00	0.00	0.00
0.00	0.00	0.00

> U.N
 08/11/15

Quantitation Report (Qedit)

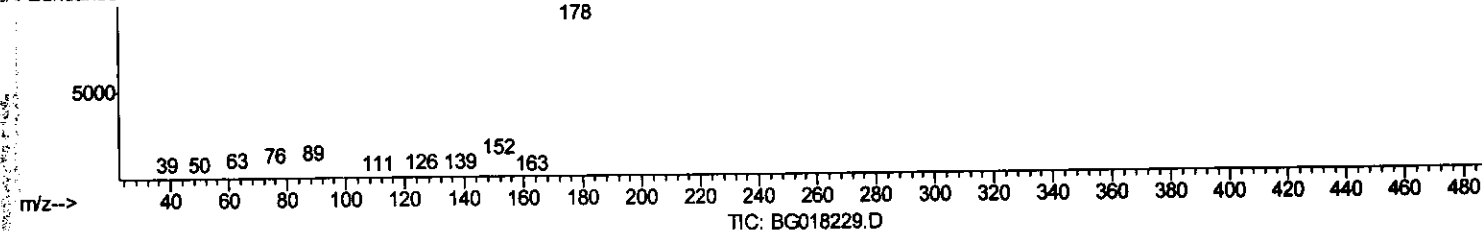
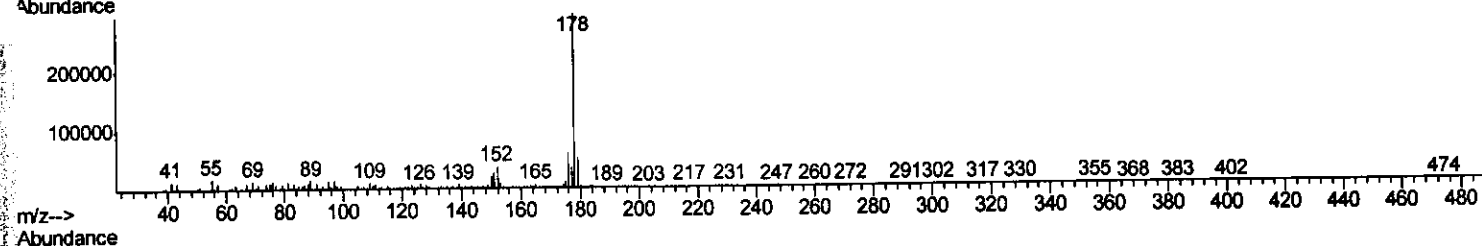
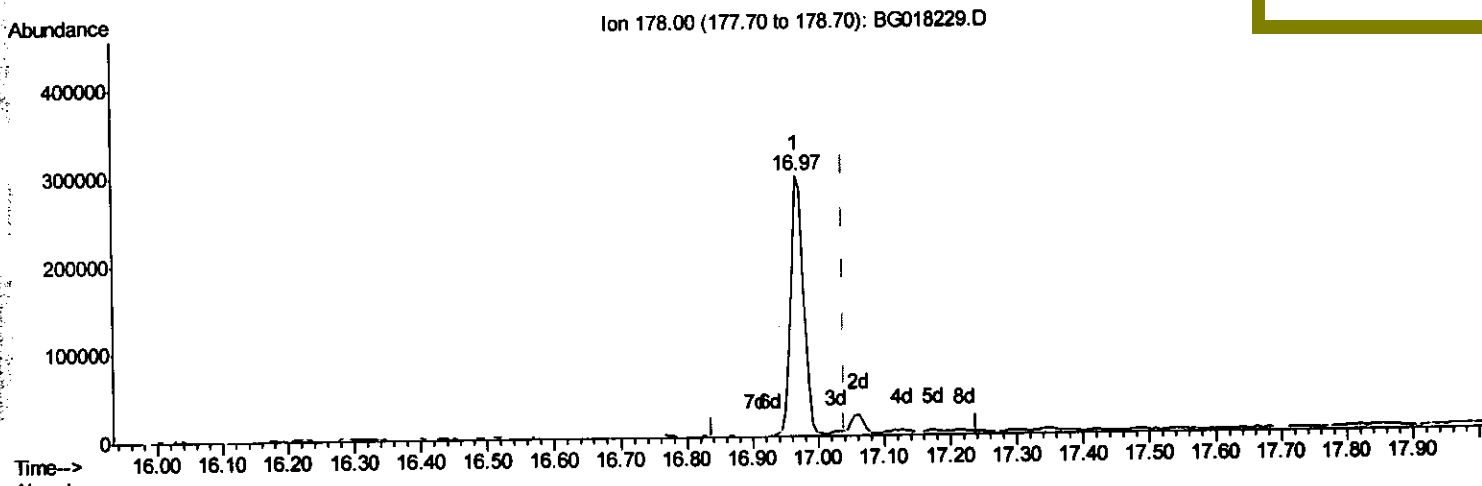
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 10:00:43 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
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(72) Anthracene

16.967min (-0.071) 28.13ng/ul

response 396134

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	16.96
176.00	18.50	19.96
0.00	0.00	0.00

Quantitation Report (Qedit)

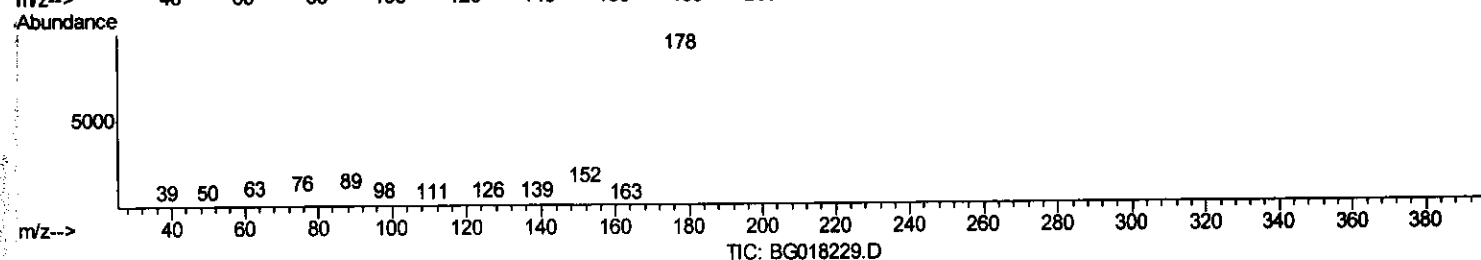
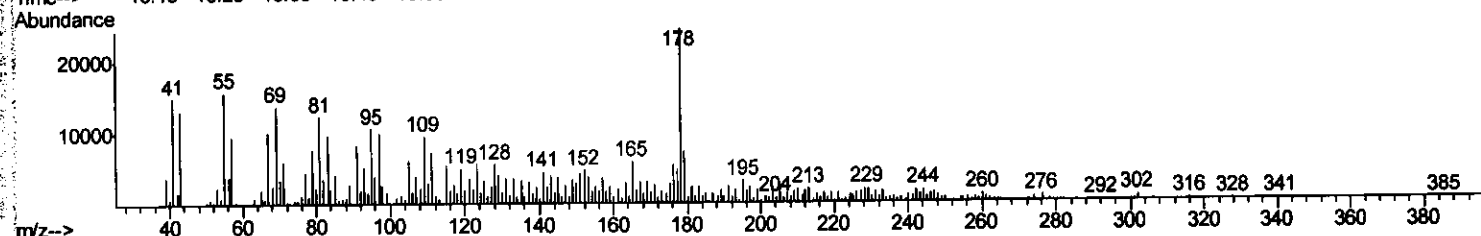
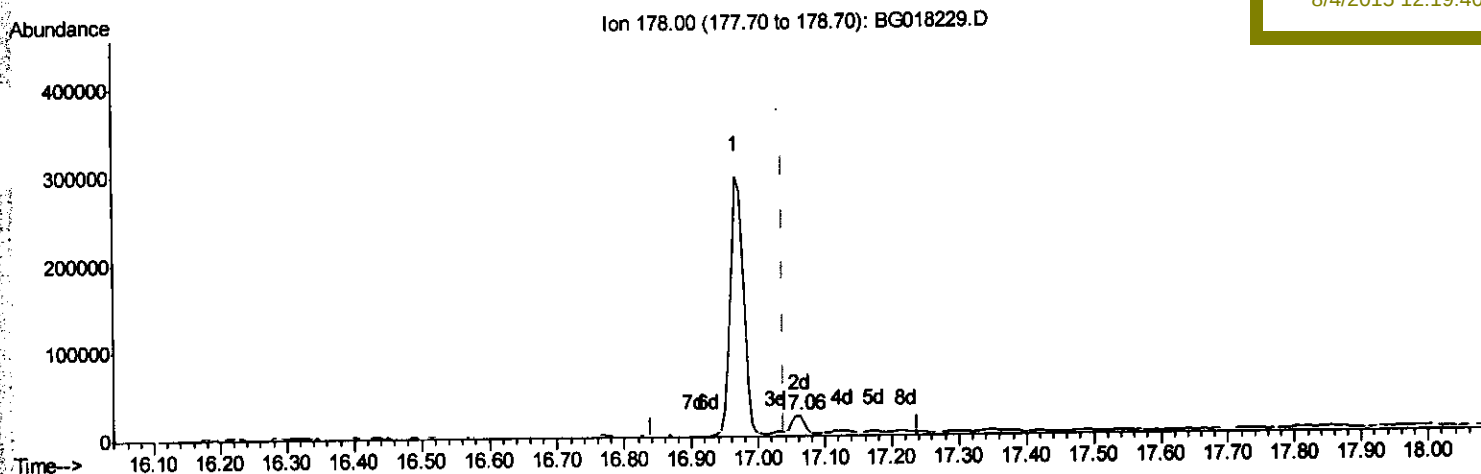
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Quant Time: Aug 03 10:00:43 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
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Manual Integrations
 APPROVED

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(72) Anthracene

17.061min (+0.023) 2.32ng/ul m

response 32680

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	29.83#
176.00	18.50	22.31#
0.00	0.00	0.00

> $\frac{U.M}{08/11/15}$

Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
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 Sample : G3065-01RE
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 ALS Vial : 28 Sample Multiplier: 1

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	83125	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	326766	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.16	164	155040	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.93	188	278632	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	379102	20.00	ng/ul	0.03
86) Perylene-d12	23.34	264	347411	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1084m	0.98	ng/uL	0.01
5) Phenol-d5	6.69	99	56942	7.62	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	33753	8.83	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	49063	8.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	17927	2.95	ng/ul	0.02
19) Nitrobenzene-d5	8.64	128	29236	11.36	ng/ul	0.02
22) 2-Nitrophenol-d4	9.36	143	28418	9.62	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.91	165	48519	9.29	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.58	166	137999	11.52	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	153470	11.05	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	10320	4.65	ng/ul	0.03
58) Fluorene-d10	15.17	176	111176	10.25	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.31	200	234	0.12	ng/ul	0.02
71) Anthracene-d10	17.03	188	143788m	11.87	ng/ul	0.02
79) Pyrene-d10	19.34	212	157138	8.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.20	264	192422	10.95	ng/ul	0.05

Target Compounds

					Ovalue	
28) Naphthalene	10.32	128	85623	5.44	ng/ul#	97
34) 2-Methylnaphthalene	11.95	142	88320	7.09	ng/ul	97
35) 1-Methylnaphthalene	12.17	142	65897	5.51	ng/ul#	95
45) Dimethylphthalate	13.63	163	225378	18.91	ng/ul	100
50) Acenaphthene	14.22	153	13622	1.52	ng/ul#	81
54) Dibenzofuran	14.57	168	22782	1.68	ng/ul#	56
59) Fluorene	15.22	166	14539	1.24	ng/ul#	79
70) Phenanthrene	16.97	178	396134	27.99	ng/ul	99
72) Anthracene	17.06	178	32680m	2.32	ng/ul	
75) Carbazole	17.34	167	29209	2.50	ng/ul#	71
77) Fluoranthene	19.01	202	792109	50.95	ng/ul#	92
80) Pyrene	19.37	202	663418	28.85	ng/ul#	92
83) Benzo(a)anthracene	21.13	228	417715	20.46	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.06	149	176697	14.02	ng/ul#	94
85) Chrysene	21.18	228	516942	27.64	ng/ul	94
88) Benzo(b)fluoranthene	22.69	252	654052	31.34	ng/ul#	93
89) Benzo(k)fluoranthene	22.73	252	225927m	11.78	ng/ul	
91) Benzo(a)pyrene	23.25	252	286054	15.32	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	25.57	276	160083	7.41	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.56	278	50003m	2.70	ng/ul	
94) Benzo(a,h,i)perylene	26.26	276	135397	7.68	ng/ul#	91

Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\
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 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed