

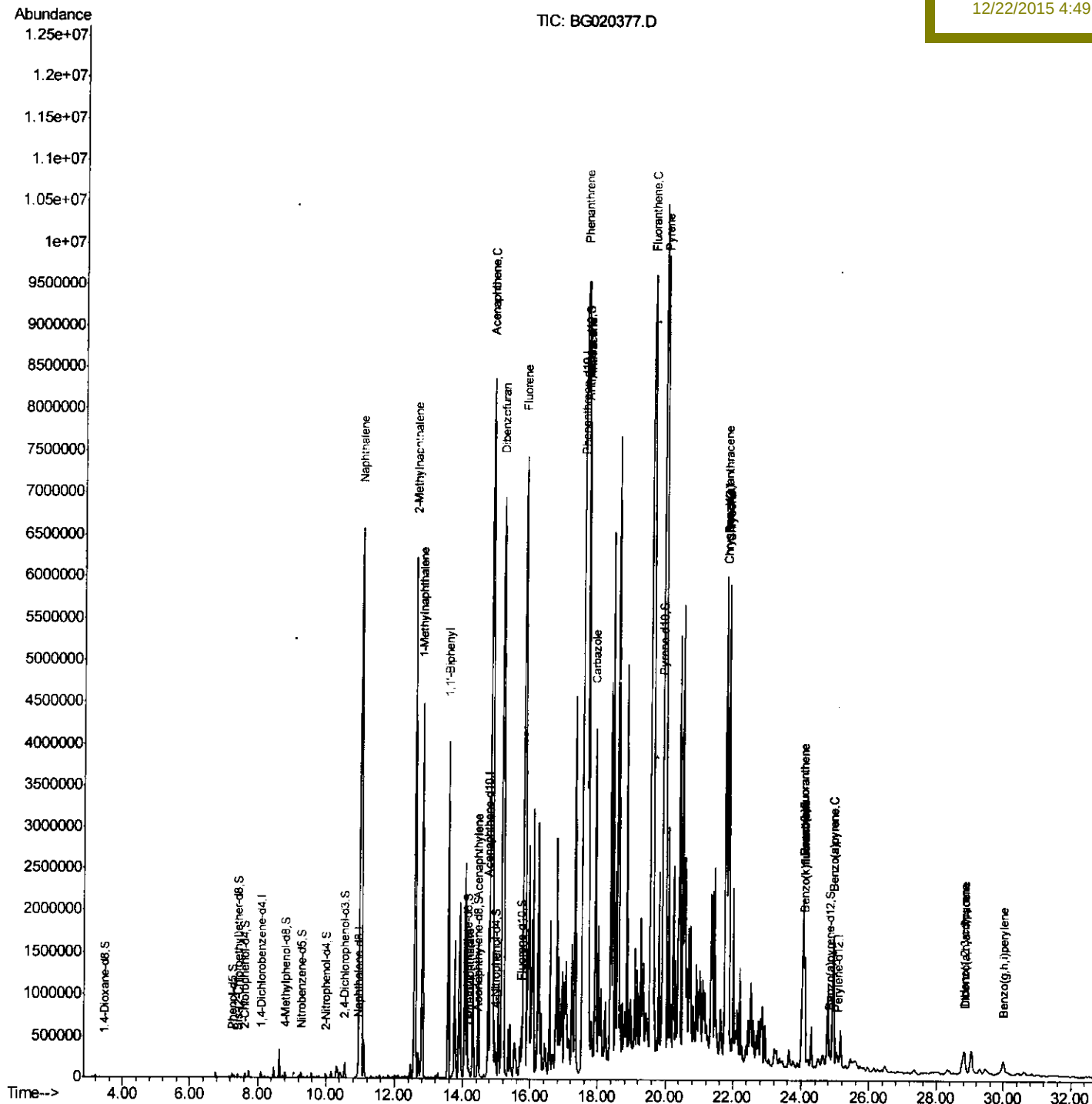
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 , 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 04:36:19 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations
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Quantitation Report (Qedit)

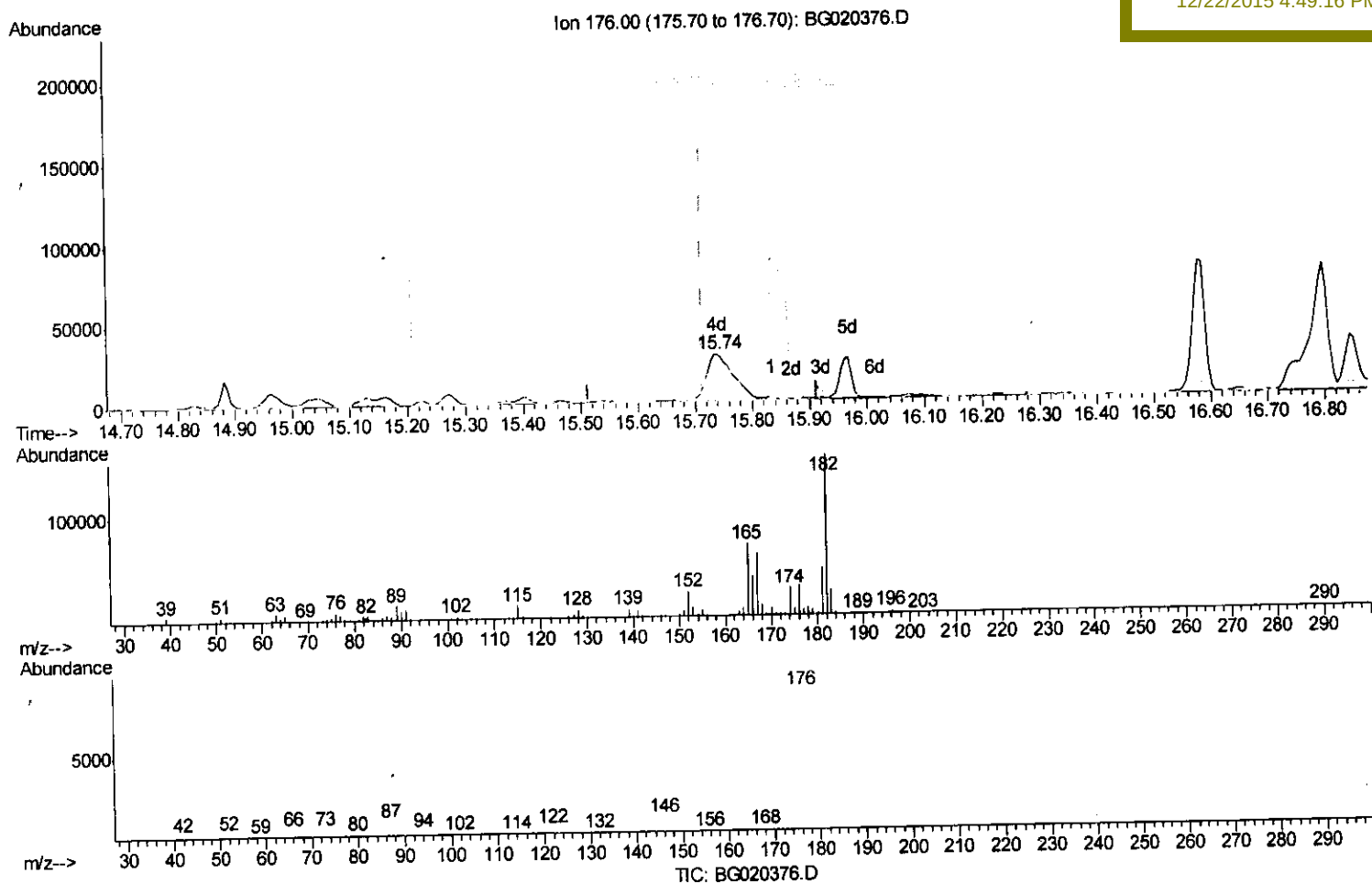
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020376.D
 Acq On : 21 Dec 2015 12:53
 Operator : UM/SJ
 Sample : G4848-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 04:20:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(58) Fluorene-d10 (S)

15.739min (+0.025) 14.48ng/ul m

response 97244

Ion Exp% Act%

176.00 100 100

174.00 94.00 89.94

87.00 8.10 13.57#

86.00 7.80 11.40#

Quantitation Report (Qedit)

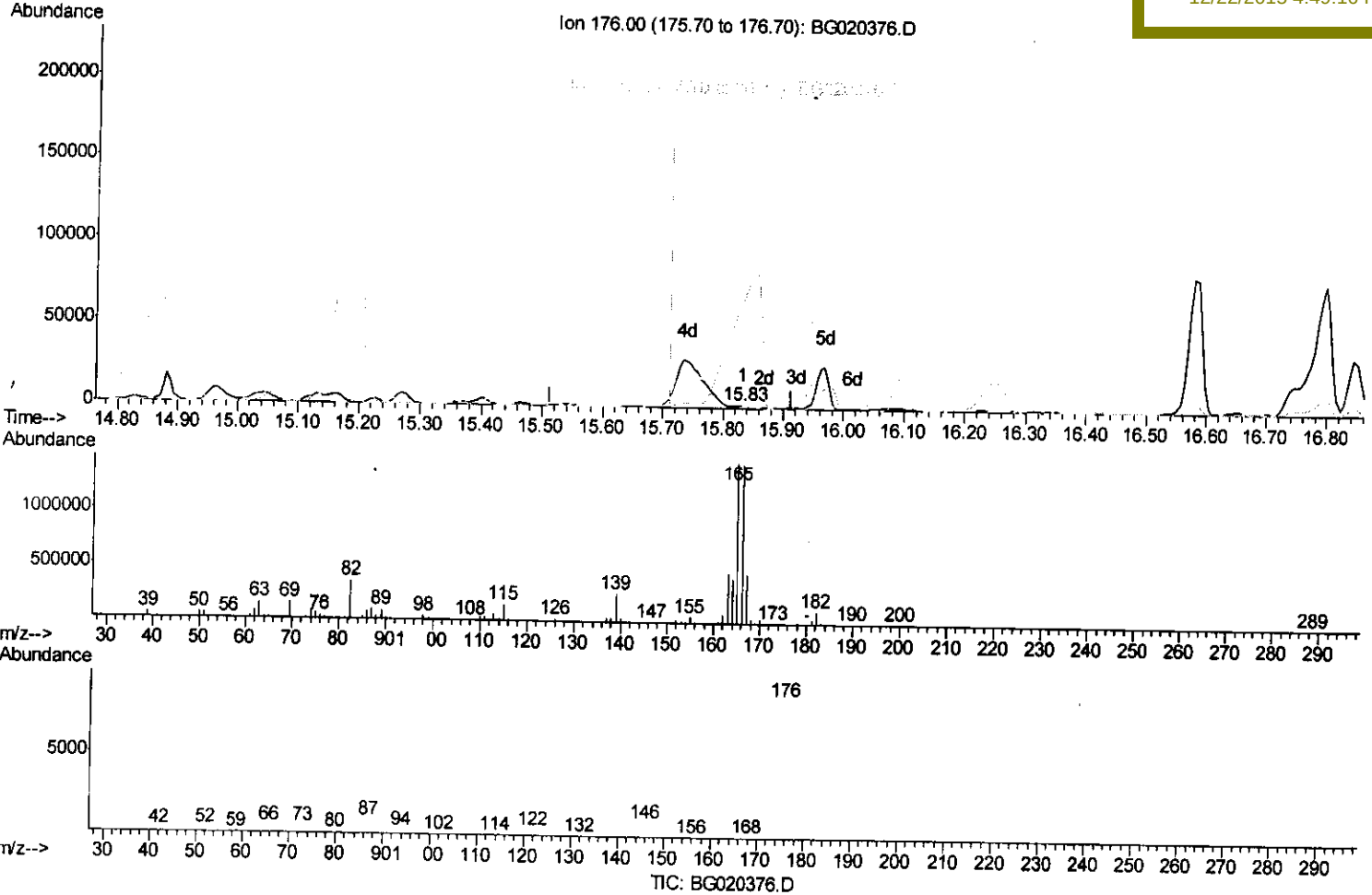
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020376.D
 Acq On : 21 Dec 2015 12:53
 Operator : UM/SJ
 Sample : G4848-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N63

Manual Integrations
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Quant Time: Dec 22 04:20:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration



(58) Fluorene-d10 (S)

15.833min (+0.119) 0.28ng/ul

response 1900

Ion	Exp%	Act%
176.00	100	100
174.00	94.00	104.78
87.00	8.10	4061.32#
86.00	7.80	3030.48#

Quantitation Report (Qedit)

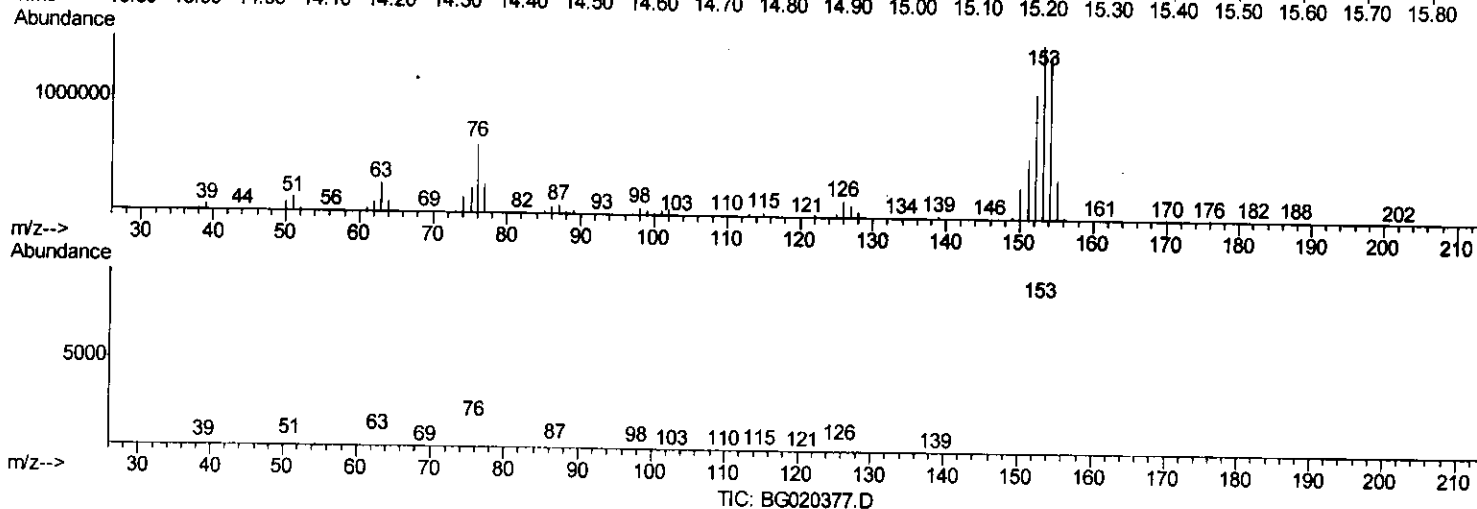
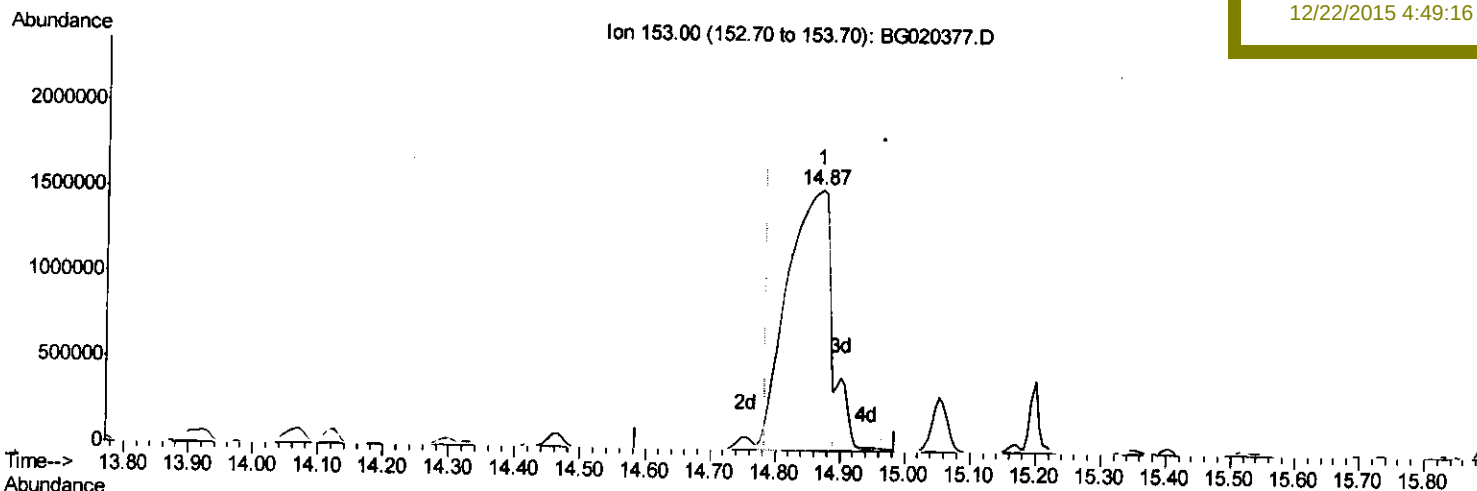
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(50) Acenaphthene (C)

14.871min (+0.085) 1232.33ng/ul

response 6868966

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	72.20#
154.00	84.90	94.07
0.00	0.00	0.00

Quantitation Report (Qedit)

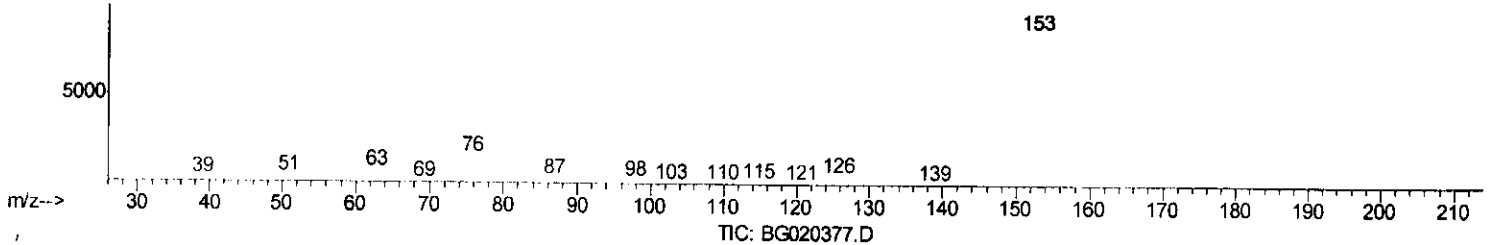
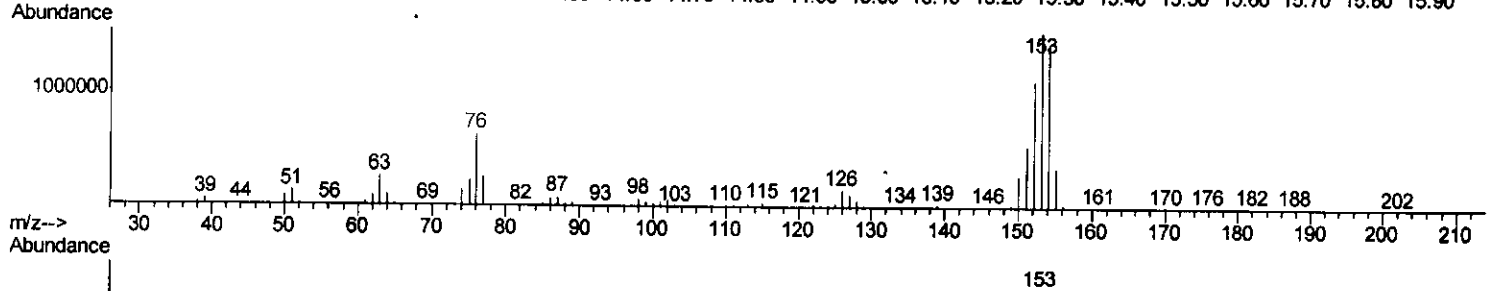
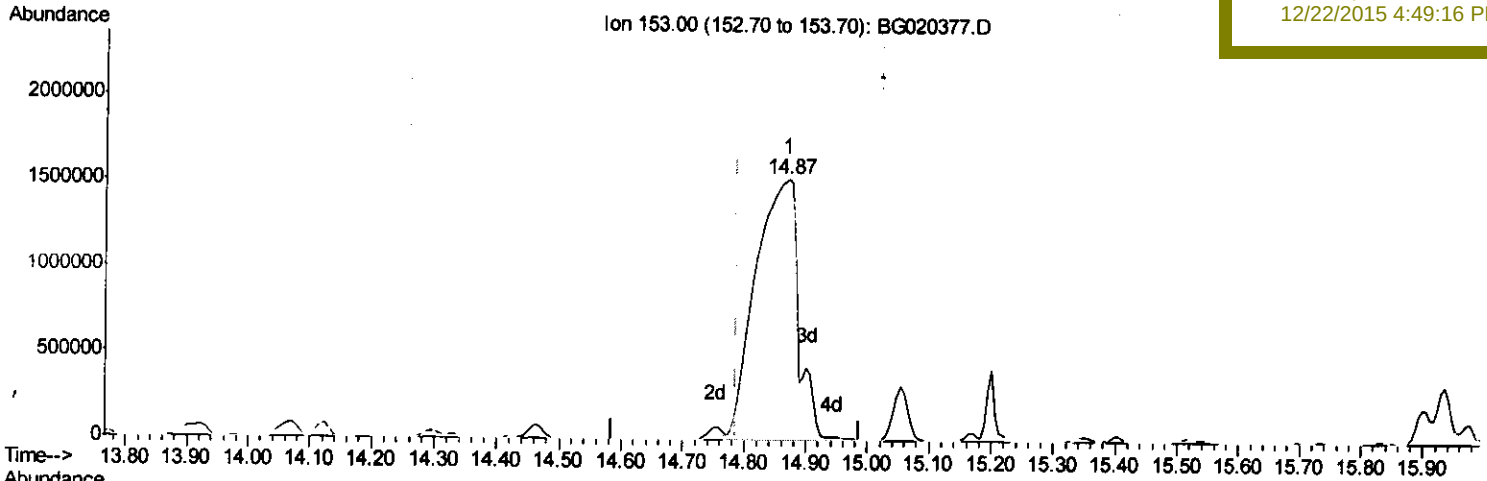
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 Qlast Update : Mon Dec 21 07:46:34 2015
 Response via : initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Manual Integrations
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(50) Acenaphthene (C)

14.871min (+0.085) 1348.60ng/ul m U.M

response 7517072

12/23/15

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	72.20#
154.00	84.90	94.07
0.00	0.00	0.00

Quantitation Report (Qedit)

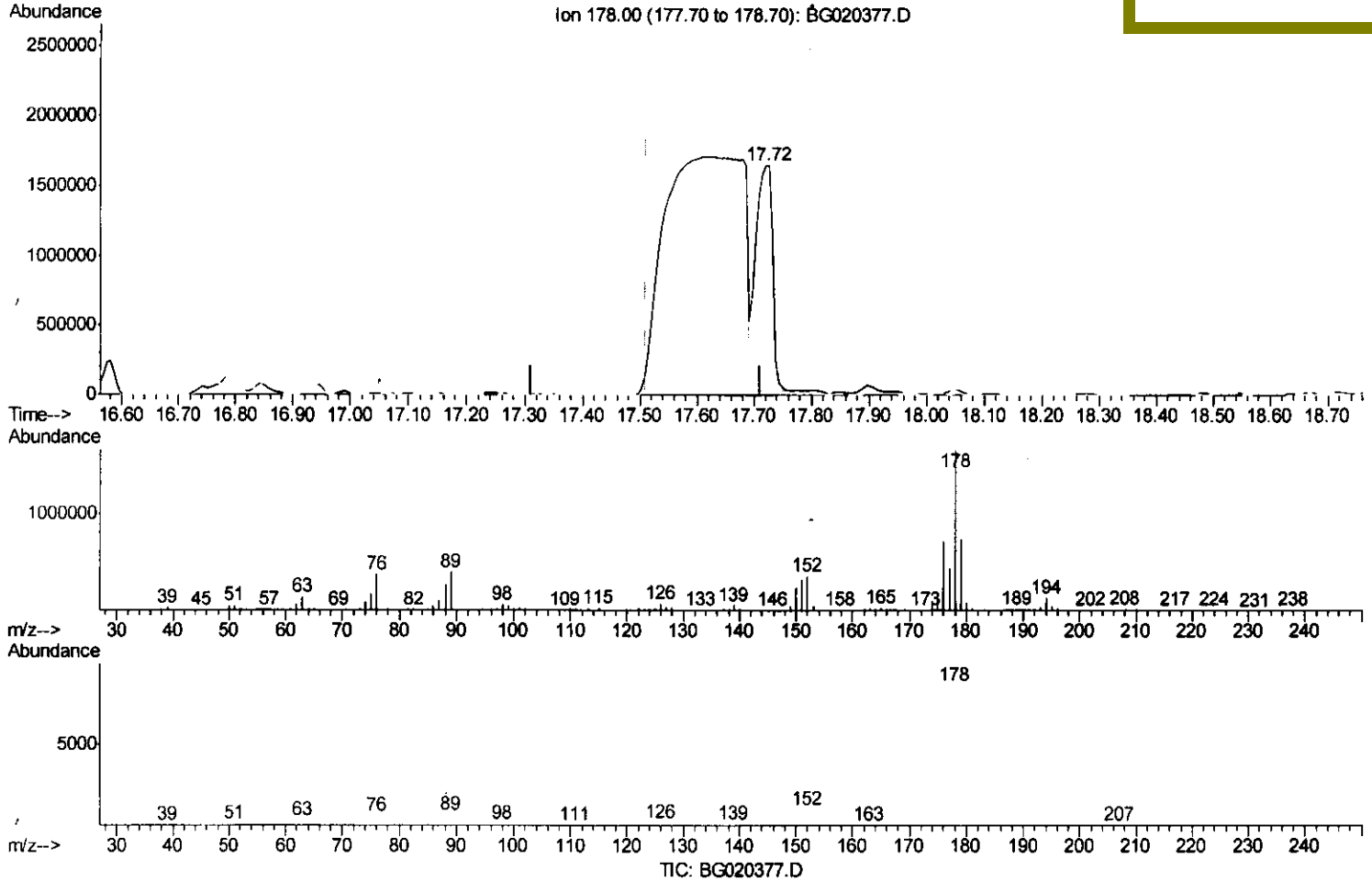
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(70) Phenanthrene

17.720min (+0.208) 493.36ng/ul

response 3337718

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	44.29#
176.00	19.10	43.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

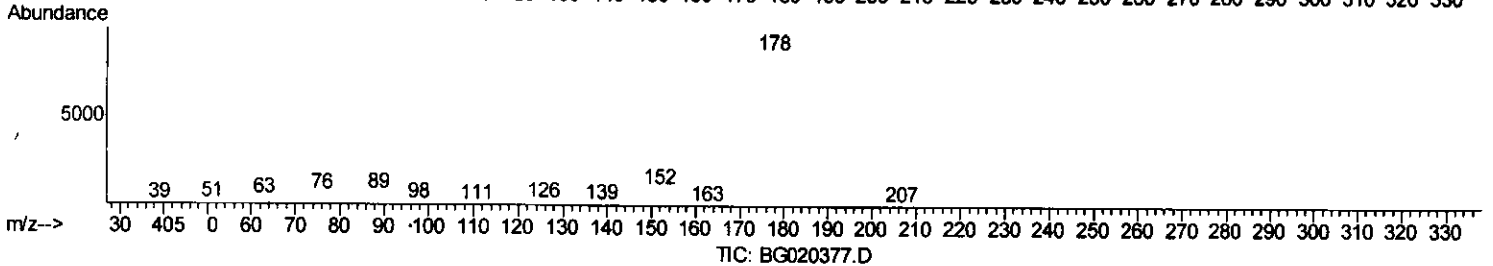
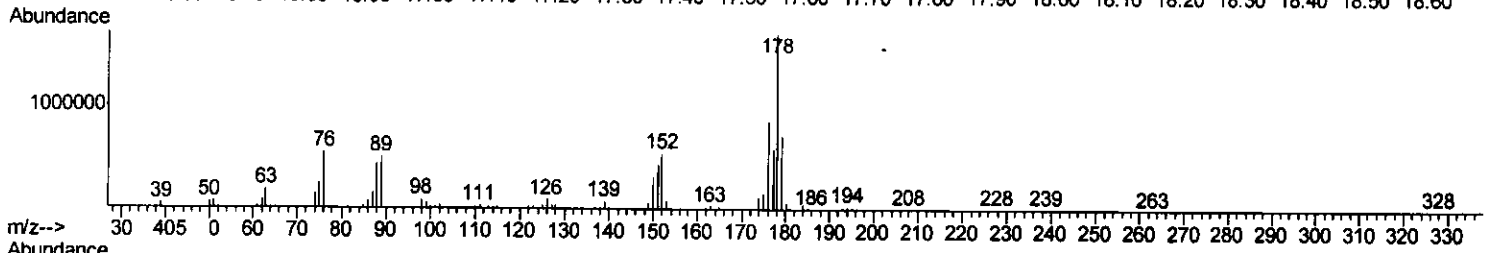
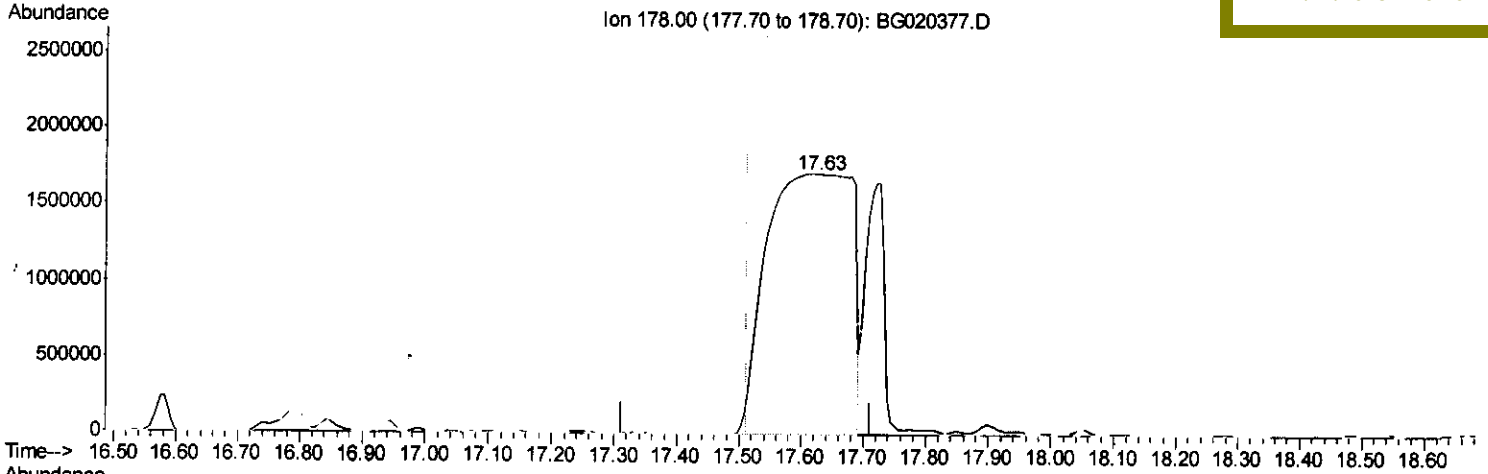
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample ID :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(70) Phenanthrene

17.626min (+0.114) 2387.21ng/ul m

U.M
12/23/15

response 16150095

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	42.12#
176.00	19.10	50.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

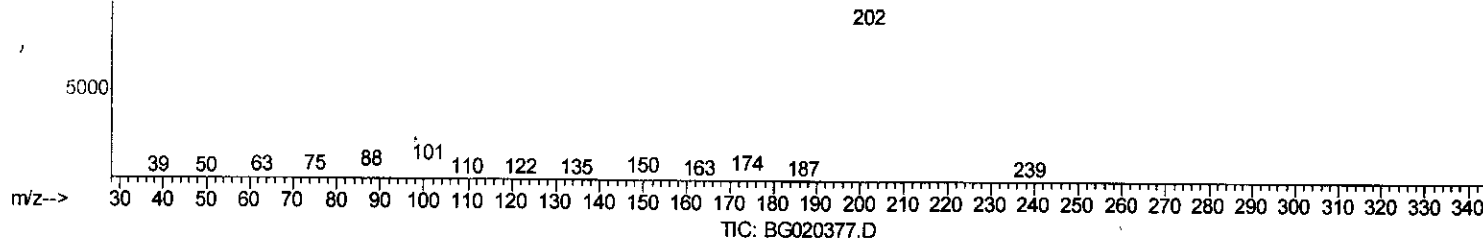
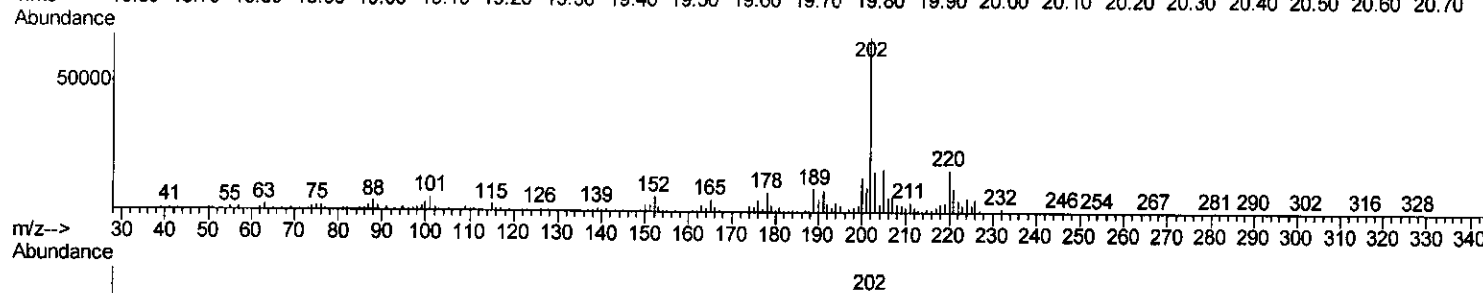
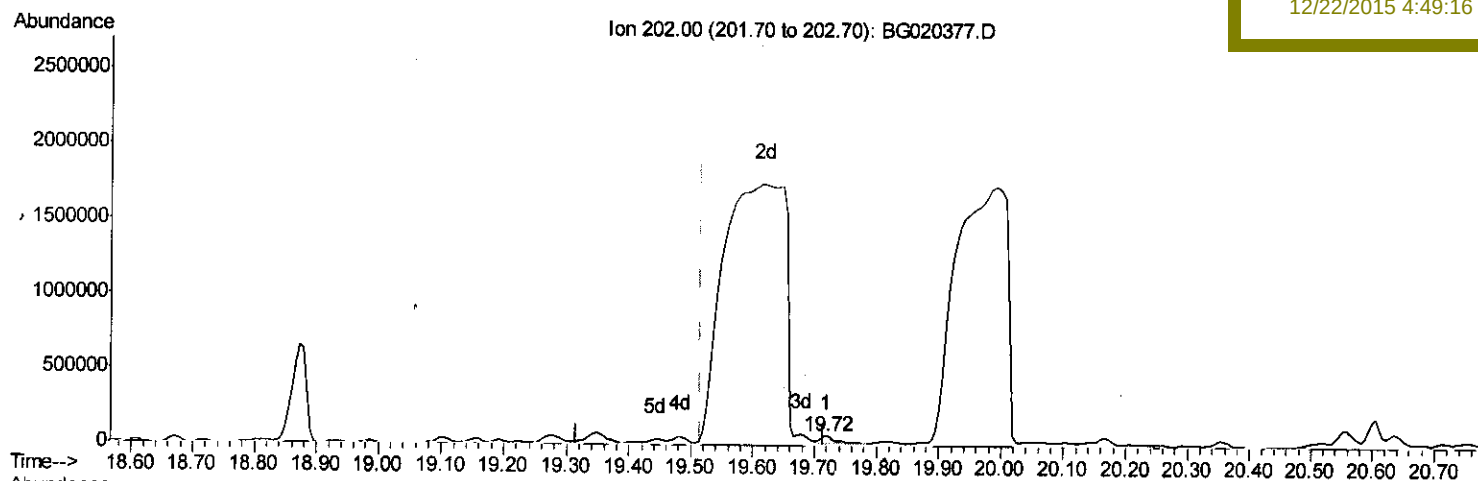
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 00:26:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations
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(77) Fluoranthene (C)

19.718min (+0.202) 10.20ng/ul

response 80618

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	7.79
100.00	6.40	5.24
0.00	0.00	0.00

Quantitation Report (Qedit)

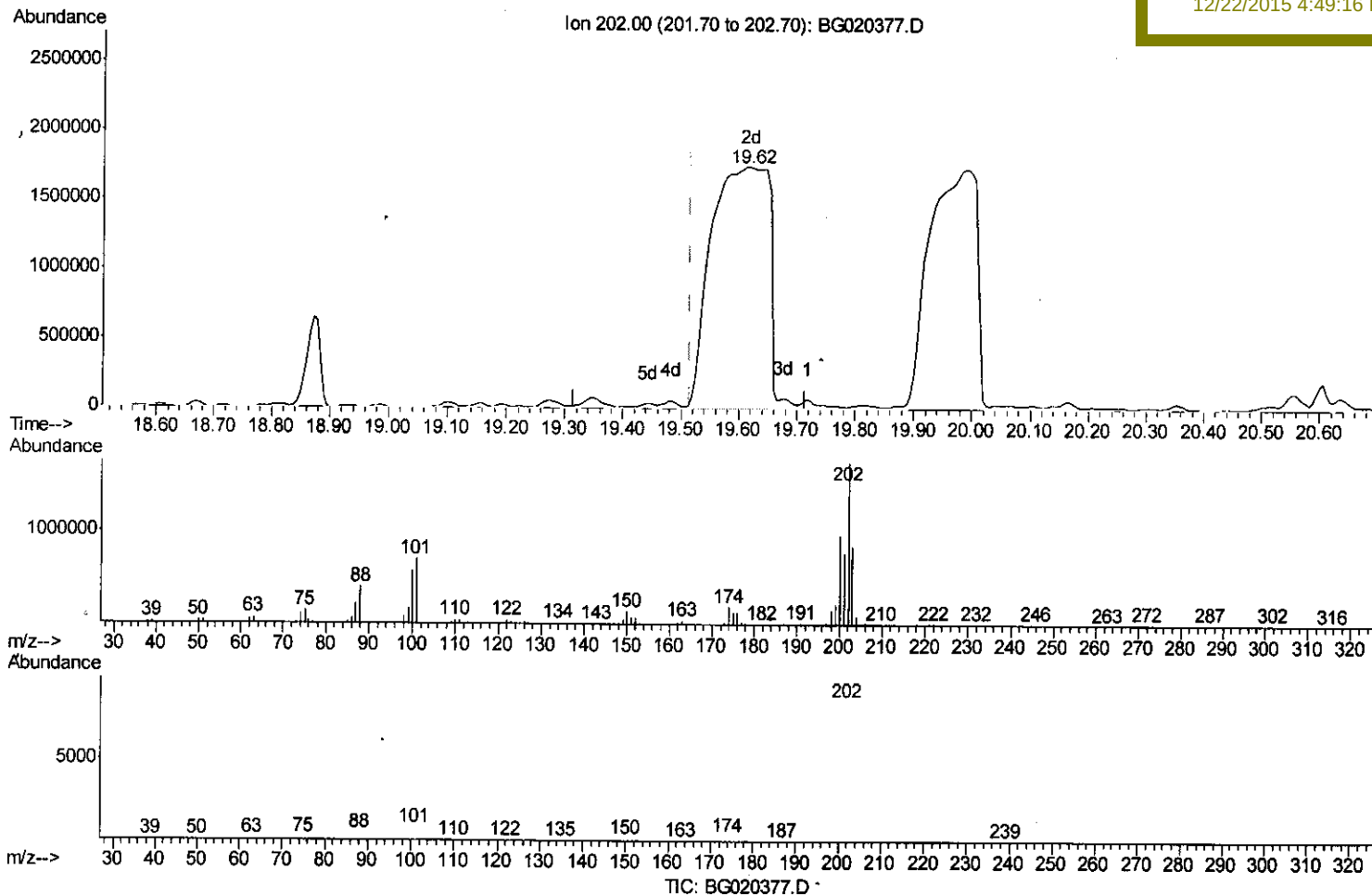
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(77) Fluoranthene (C)

19.618min (+0.103) 1530.37ng/ul m U.M

response 12100057

12/23/15

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	39.47#
100.00	6.40	32.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

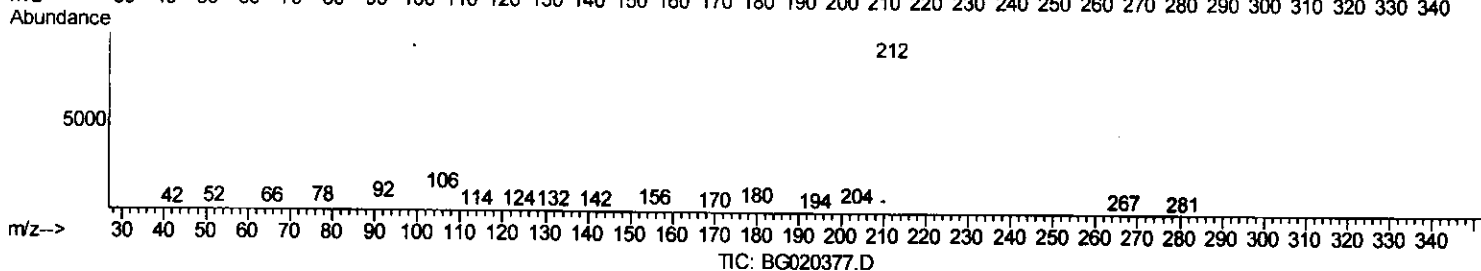
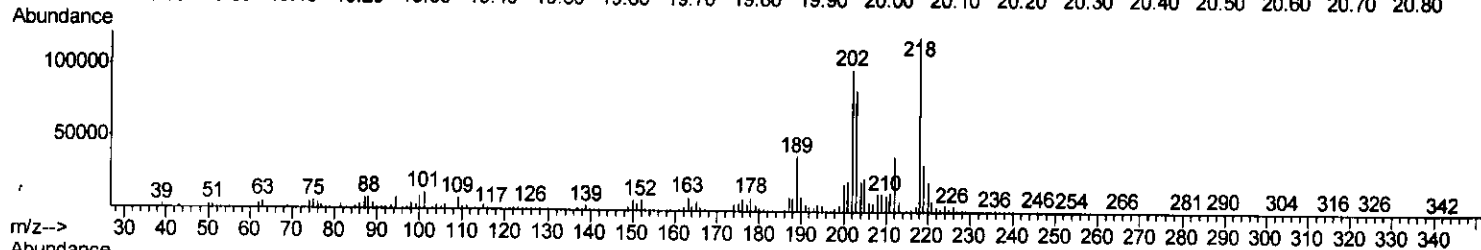
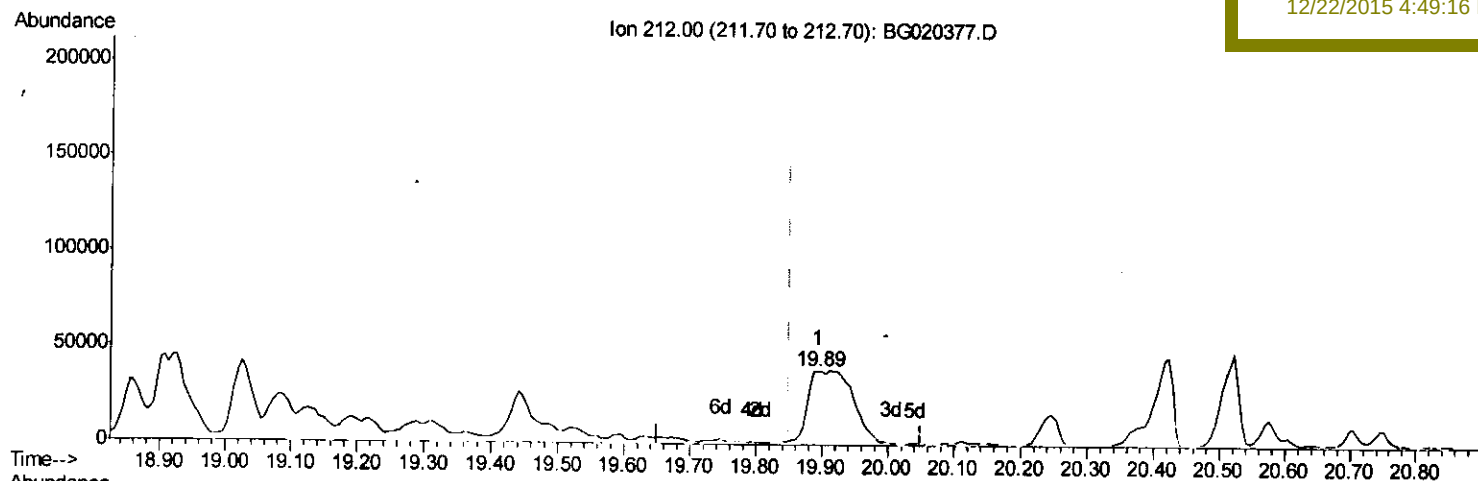
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(79) Pyrene-d10 (S)

19.894min (+0.044) 9.36ng/ul

response 75286

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	9.23
104.00	6.80	8.05
0.00	0.00	0.00

Quantitation Report (Qedit)

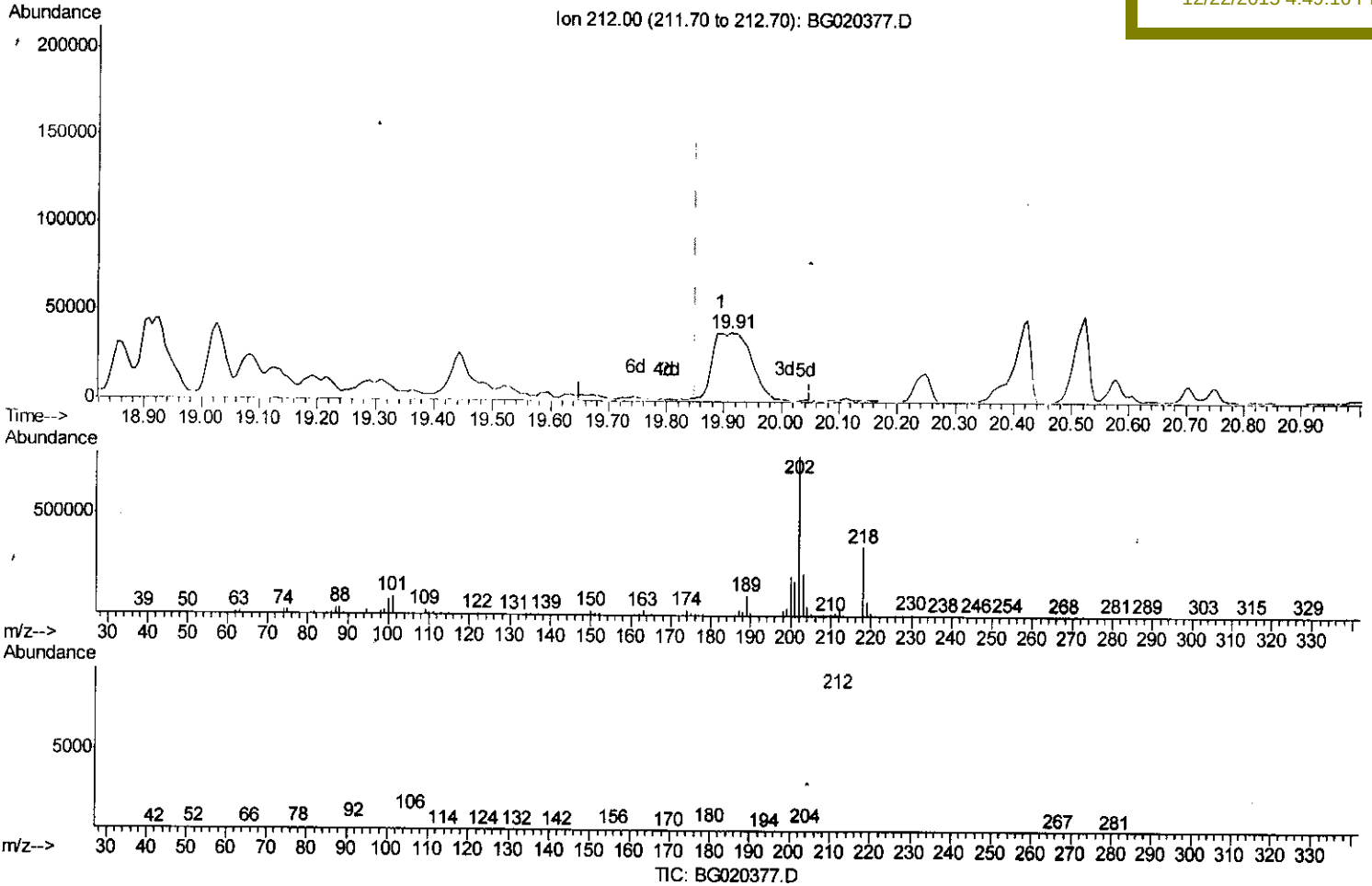
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(79) Pyrene-d10 (S)

19.912min (+0.061) 23.12ng/ul m *V.M*
12/23/15

response 185951

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	10.09
104.00	6.80	6.96
0.00	0.00	0.00

Quantitation Report (Qedit)

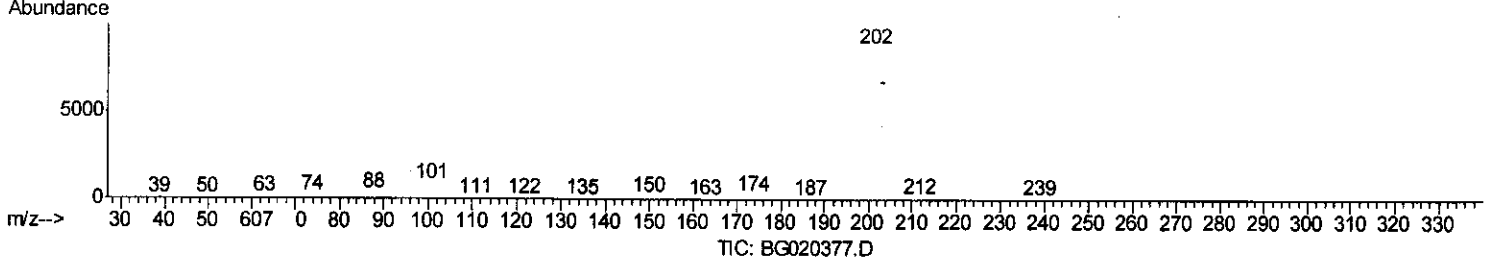
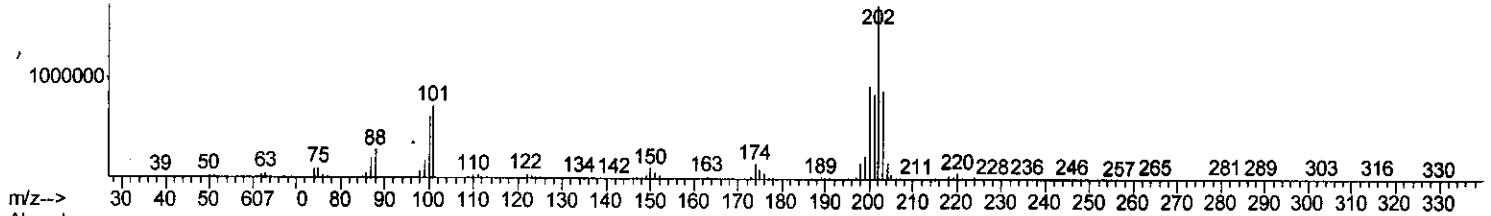
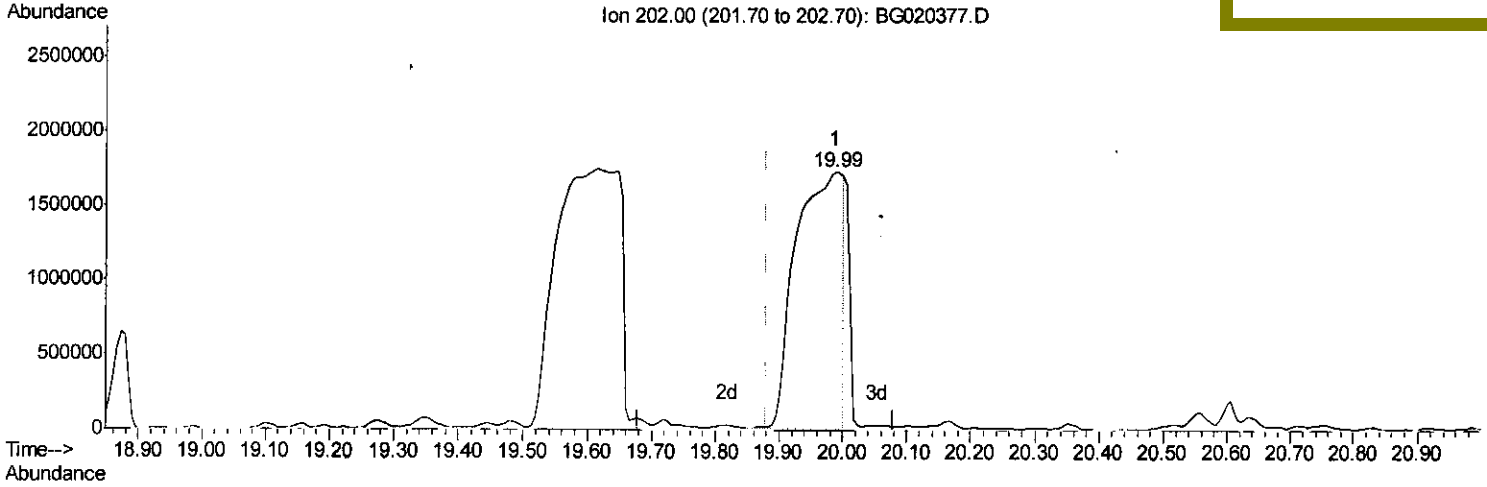
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(80) Pyrene

19.988min (+0.108) 829.07ng/ul

response 8660341

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	41.68#
100.00	8.00	35.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

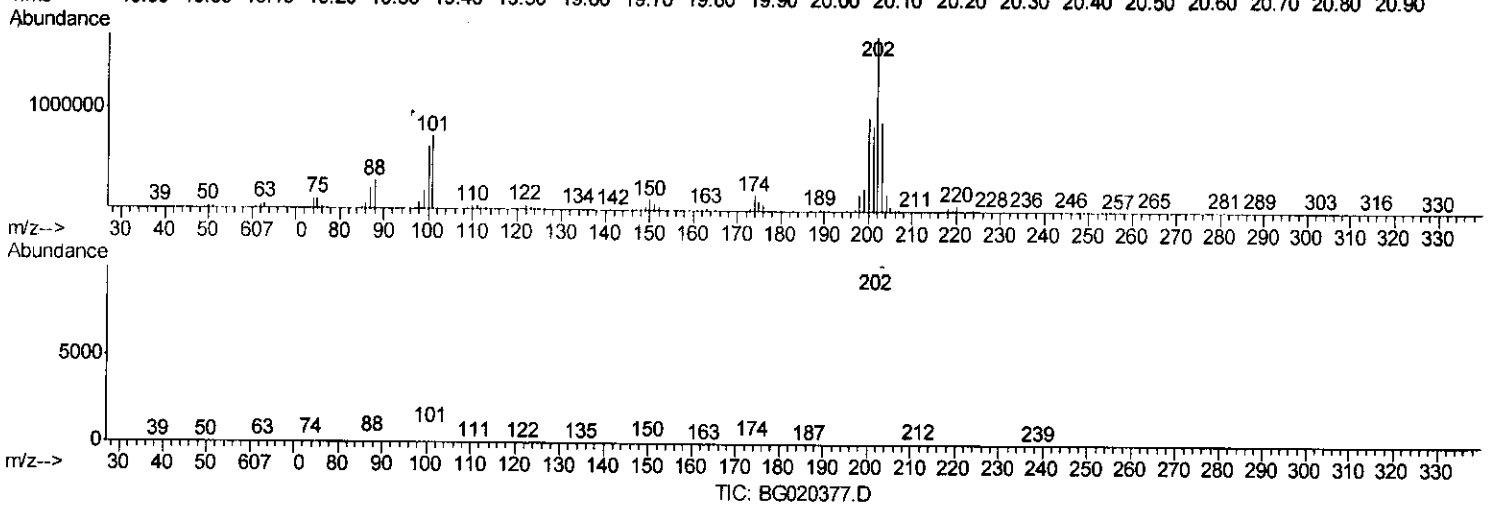
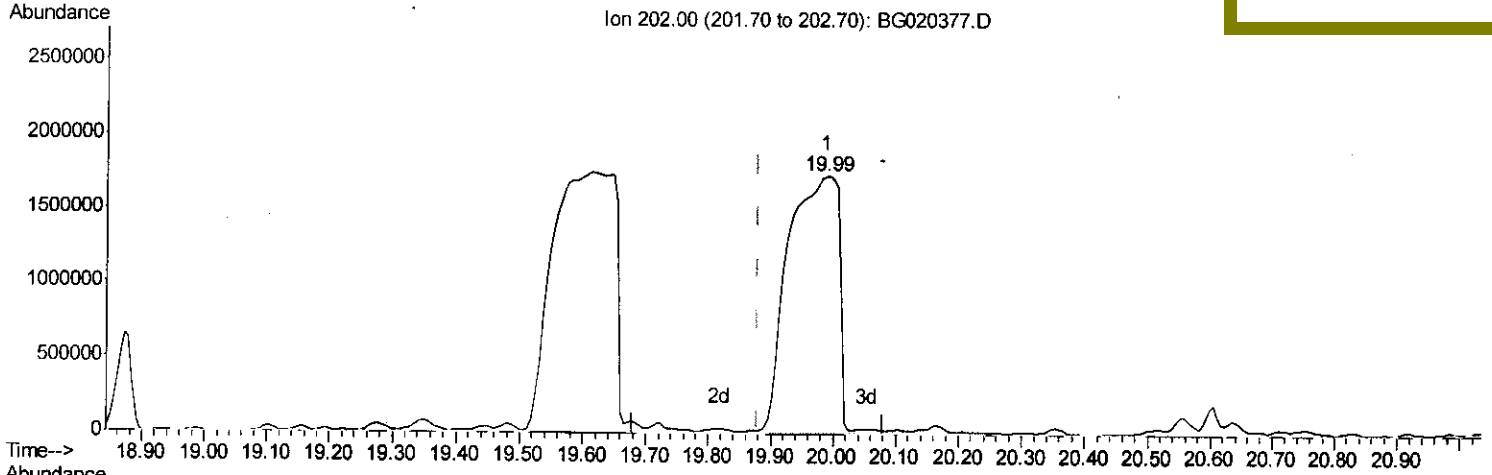
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(80) Pyrene

19.988min (+0.108) 925.08ng/ul m U.M
 response 9663269 12/23/15

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	41.68#
100.00	8.00	35.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

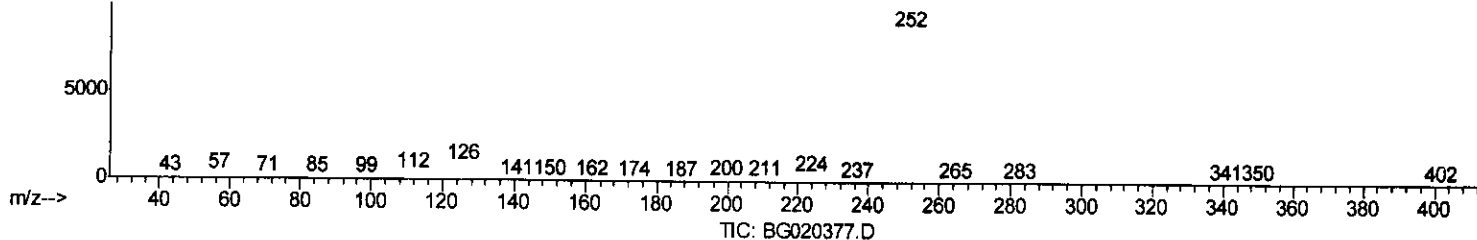
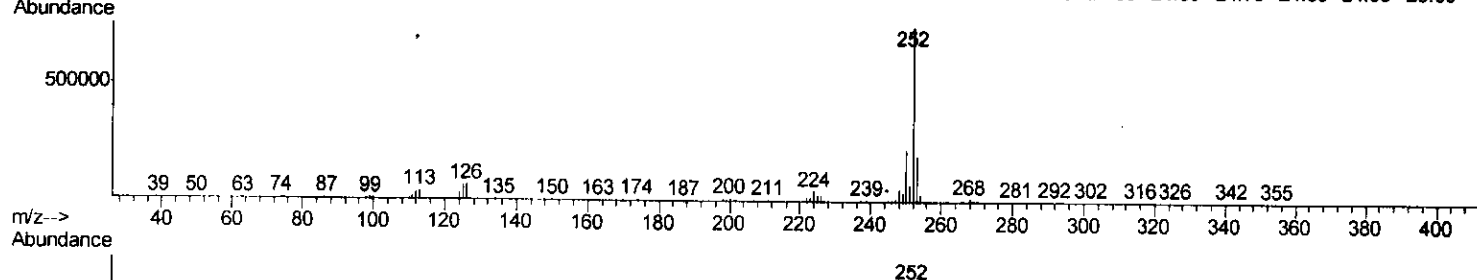
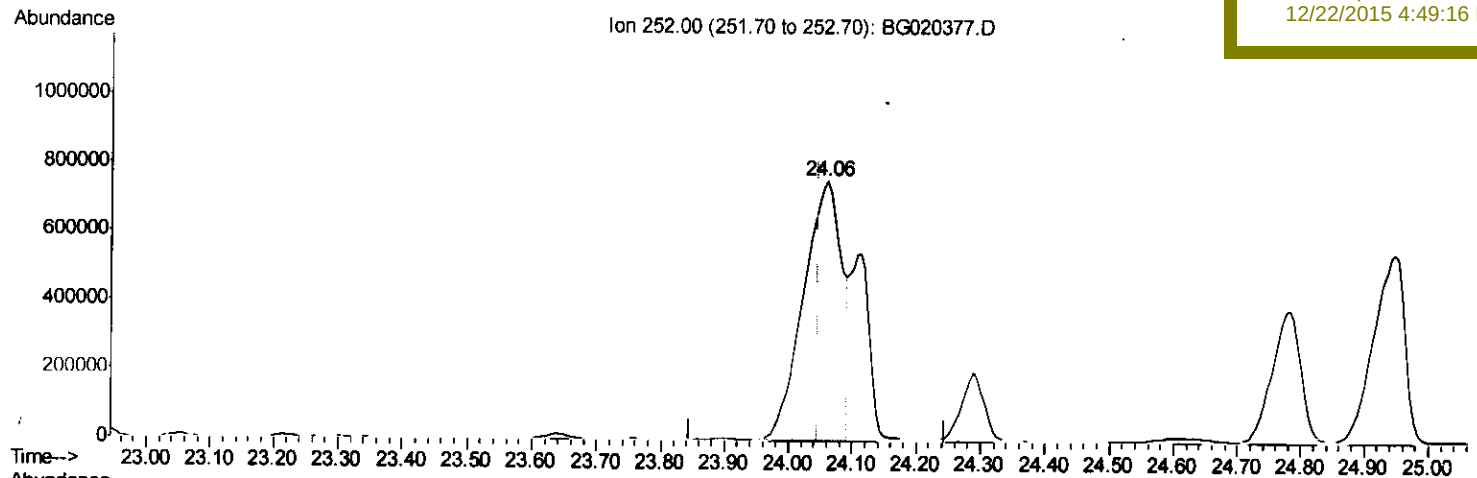
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

, Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Manual Integrations
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(89) Benzo(k)fluoranthene

24.060min (+0.014) 333.55ng/ul

response 3086877

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	25.81
125.00	7.20	7.98
0.00	0.00	0.00

Quantitation Report (Qedit)

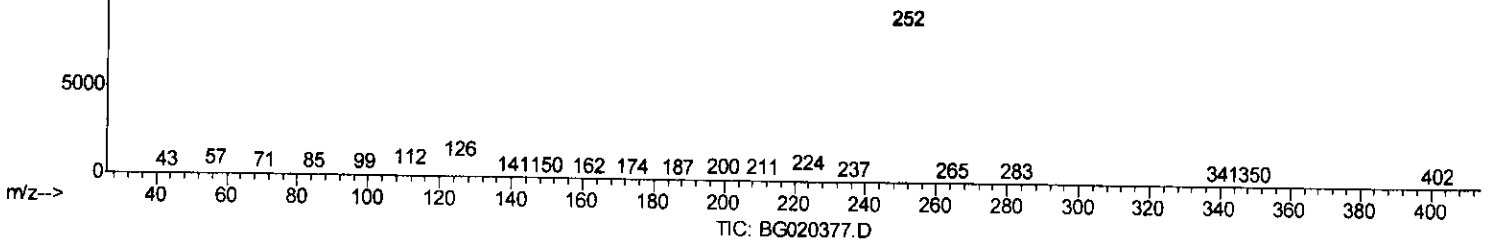
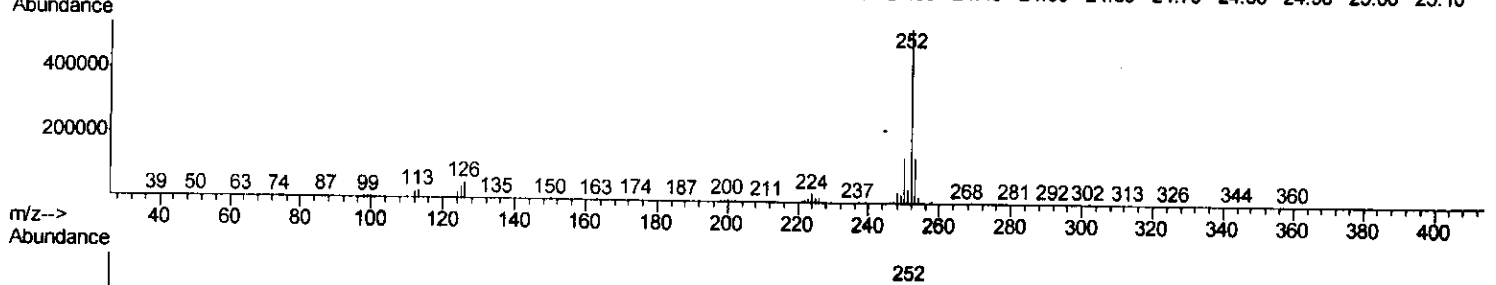
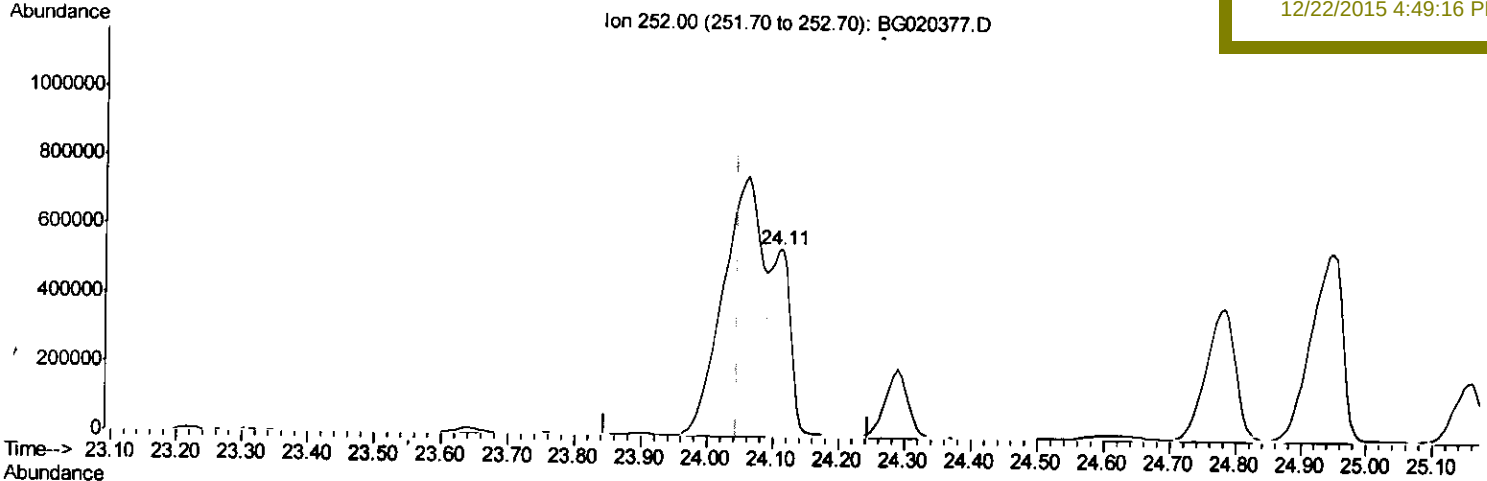
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 00:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Manual Integrations
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(89) Benzo(k)fluoranthene

24.113min (+0.067) 124.75ng/ul m U.M

response 1154556

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	25.83
125.00	7.20	6.64
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
 Data File : BG020377.D
 Acq On : 21 Dec 2015 13:31
 Operator : UM/SJ
 Sample : G4848-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 04:36:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Manual Integrations
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Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	23373	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	92905	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.75	164	82860	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.56	188	123683	20.00	ng/ul	0.09
78) Chrysene-d12	21.80	240	172591	20.00	ng/ul	0.06
86) Perylene-d12	25.07	264	160233	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1222	2.89	ng/ul	0.00
6) Phenol-d5	7.26	99	36276	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	22754	18.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	29287	19.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	32212	18.28	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	16765	23.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	19064	23.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	35047	21.47	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.15	166	117030	17.46	ng/ul	0.03
47) Acenaphthylene-d8	14.43	160	135511	17.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	17948	14.93	ng/ul	0.04
56) Fluorene-d10	15.73	176	106471	17.51	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.69	188	135340	23.75	ng/ul	0.12
79) Pyrene-d10	19.91	212	185951m	23.12	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.85	264	204387	25.57	ng/ul	0.06

Target Compounds

						Qvalue
28) Naphthalene	11.03	128	7538734	1553.85	ng/ul#	48
34) 2-Methylnaphthalene	12.61	142	4321994	1166.25	ng/ul	97
35) 1-Methylnaphthalene	12.82	142	2489789	698.83	ng/ul#	94
41) 1,1'-Biphenyl	13.58	154	2241502	358.57	ng/ul#	87
45) Dimethylphthalate	14.20	163	43774	6.39	ng/ul	97
48) Acenaphthylene	14.47	152	753941	91.01	ng/ul#	92
50) Acenaphthene	14.87	153	7517072m	1348.60	ng/ul	
54) Dibenzofuran	15.19	168	6263933	755.44	ng/ul#	50
59) Fluorene	15.85	166	6670069	1001.73	ng/ul#	96
70) Phenanthrene	17.63	178	16150095m	2387.21	ng/ul	
72) Anthracene	17.72	178	3337718	486.43	ng/ul#	37
75) Carbazole	17.93	167	2764776	479.53	ng/ul#	80
77) Fluoranthene	19.62	202	12100057m	1530.37	ng/ul	
80) Pyrene	19.99	202	9663269m	925.08	ng/ul	
83) Benzo(a)anthracene	21.79	228	4746366	471.31	ng/ul#	61
85) Chrysene	21.87	228	4125924	435.02	ng/ul#	59
88) Benzo(b)fluoranthene	24.06	252	3086877	320.08	ng/ul#	92
89) Benzo(k)fluoranthene	24.11	252	1154556m	124.75	ng/ul	
91) Benzo(a)pyrene	24.95	252	1846795	202.01	ng/ul	94
92) Indeno(1,2,3-cd)pyrene	28.82	276	524778	48.20	ng/ul	93
93) Dibenzo(a,h)anthracene	28.85	278	145651	16.12	ng/ul	94
94) Benzo(g,h,i)perylene	30.00	276	397703	44.56	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 04:36:19 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations
APPROVED

apatel
12/22/2015 4:49:16 PM

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