

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025233.D
 Acq On : 16 Dec 2016 5:07
 Operator : UM/SJ
 Sample : H5905-01ME
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 16 06:01:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	81142	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	354268	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.86	164	275487	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	538771	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	667721	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	684210	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	3026	1.93	ng/uL	-0.01
5) Phenol-d5	7.39	99	80654	11.52	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	50020	11.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	56690	11.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	70226	12.00	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	30241	12.05	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	37522	12.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	74298	12.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	38046	6.44	ng/ul	0.01
43) Dimethylphthalate-d6	14.26	166	225063	11.88	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	269341	12.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.10	143	33719	10.35	ng/ul	0.04
57) Fluorene-d10	15.85	176	230649	12.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	40429	12.14	ng/ul	0.01
70) Anthracene-d10	17.70	188	306225	13.47	ng/ul	0.00
76) Pyrene-d10	19.98	212	351668	12.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	363126	13.10	ng/ul	0.01

Target Compounds

						Ovalue
6) Phenol	7.42	94	56707	7.89	ng/ul	89
11) 2-Methylphenol	8.68	108	190956	36.10	ng/ul	96
14) Acetophenone	9.07	105	12679	1.42	ng/ul	83
16) 4-Methylphenol	9.01	108	488250	82.96	ng/ul	90
17) Hexachloroethane	9.34	117	10636	4.88	ng/ul#	2
24) 2,4-Dimethylphenol	10.22	107	538958	74.29	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.49	93	38229	5.14	ng/ul#	1
28) Naphthalene	11.12	128	277369	16.84	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	413865	31.85	ng/ul	93
40) 1,1'-Biphenyl	13.69	154	116558	6.98	ng/ul	96
41) 2-Chloronaphthalene	13.77	162	14574	1.10	ng/ul#	75
44) Dimethylphthalate	14.30	163	20921	1.12	ng/ul#	26
49) Acenaphthene	14.93	153	30575	2.21	ng/ul#	92
50) 2,4-Dinitrophenol	15.00	184	6057	2.33	ng/ul#	1
53) Dibenzofuran	15.26	168	105632	4.83	ng/ul	99
58) Fluorene	15.91	166	127814	7.18	ng/ul#	97
64) N-Nitrosodiphenylamine	16.10	169	26278	1.90	ng/ul#	64
69) Phenanthrene	17.65	178	119209	4.64	ng/ul	96
71) Anthracene	17.74	178	32177	1.22	ng/ul#	72
74) Fluoranthene	19.64	202	31551	1.03	ng/ul#	97
77) Pyrene	20.01	202	40457	1.26	ng/ul#	94

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

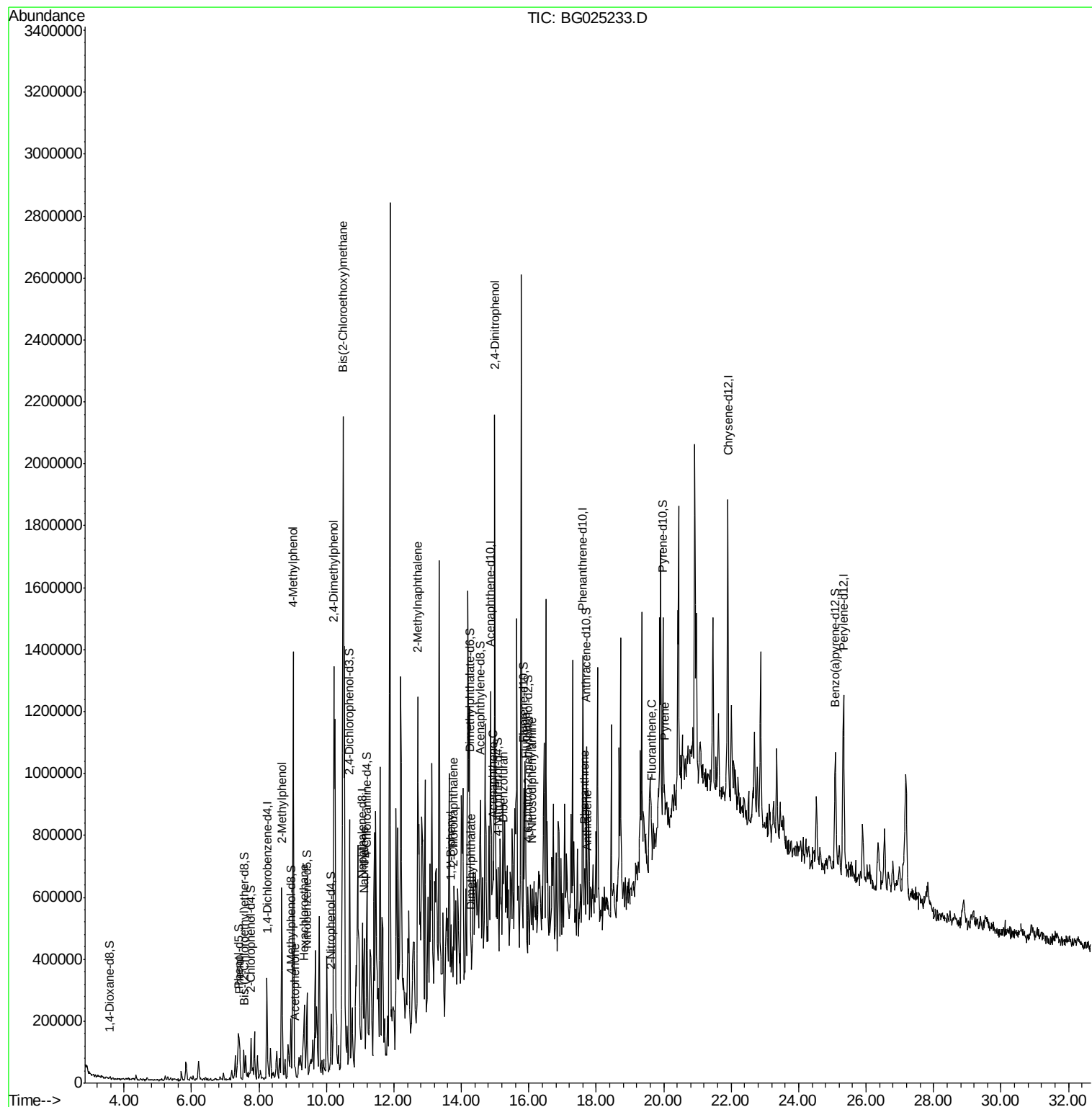
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

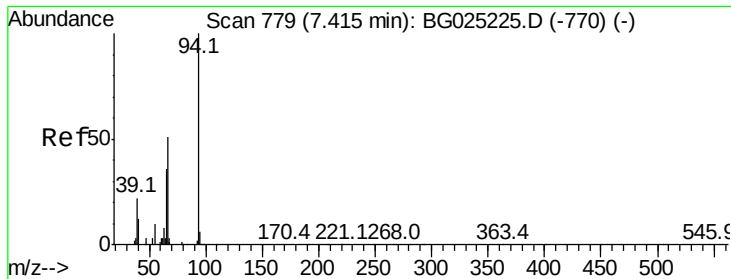
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025233.D
Acq On : 16 Dec 2016 5:07
Operator : UM/SJ
Sample : H5905-01ME
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Dec 16 06:01:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 7.89 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampleId :

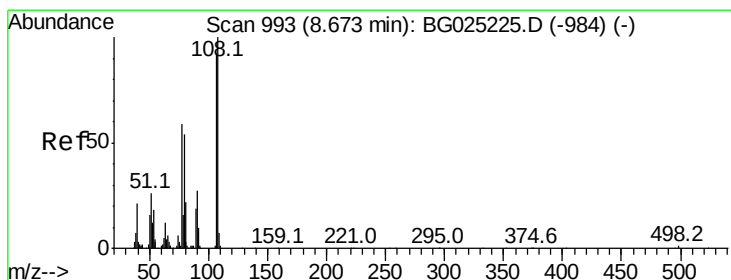
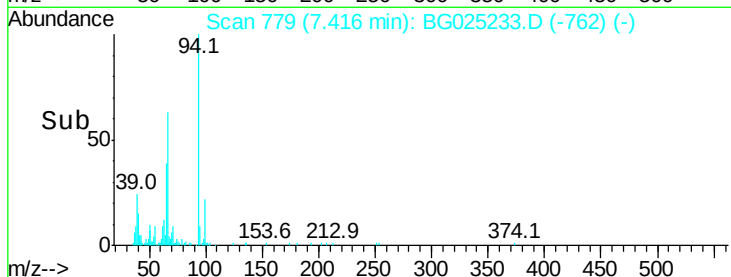
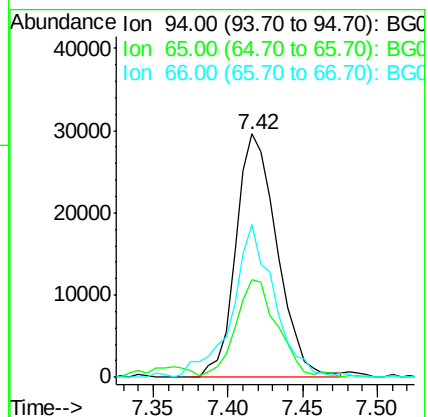
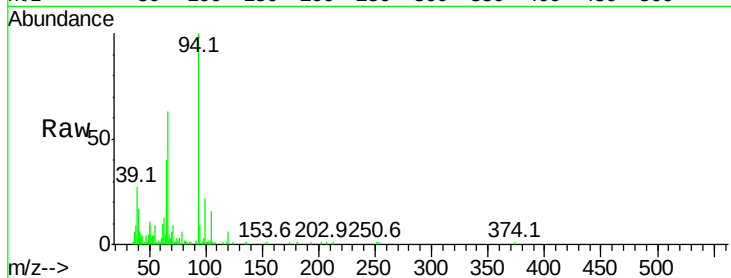
Tot Ion: 94 Resp: 56707

Ion Ratio Lower Upper

94 100

65 40.2 26.8 40.2

66 62.8 44.4 66.6



#11

2-Methylphenol

Concen: 36.10 ng/ul

RT: 8.68 min Scan# 994

Delta R.T. 0.01 min

Lab File: BG025233.D

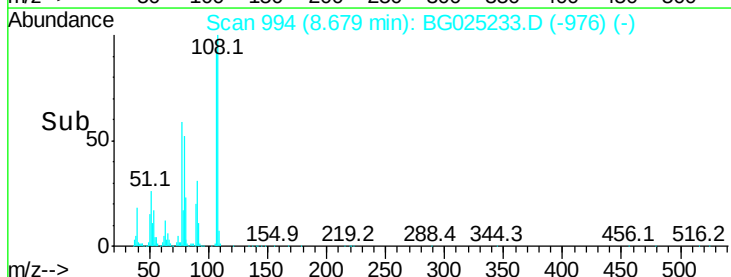
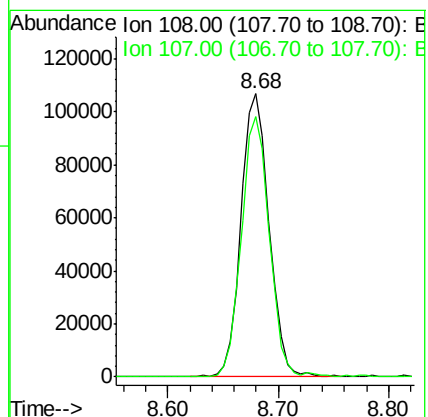
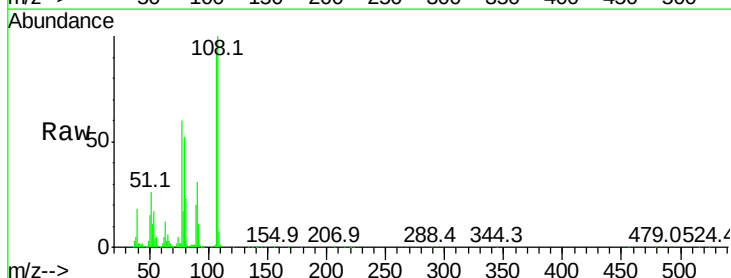
Acq: 16 Dec 2016 5:07

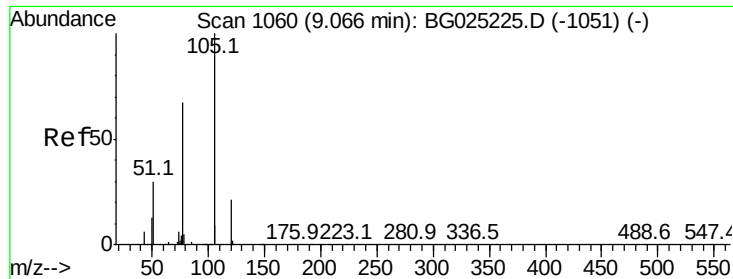
Tgt Ion:108 Resp: 190956

Ion Ratio Lower Upper

108 100

107 92.0 76.7 115.1





#14

Acetophenone

Concen: 1.42 ng/ul

RT: 9.07 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampleId :

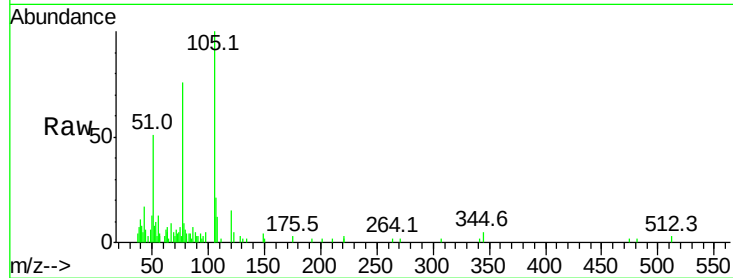
Tot Ion:105 Resp: 12679

Ion Ratio Lower Upper

105 100

77 76.2 76.0 114.0

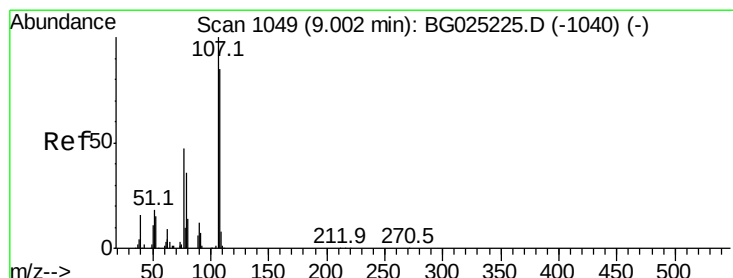
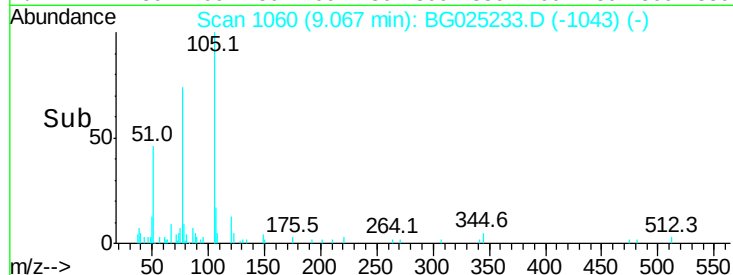
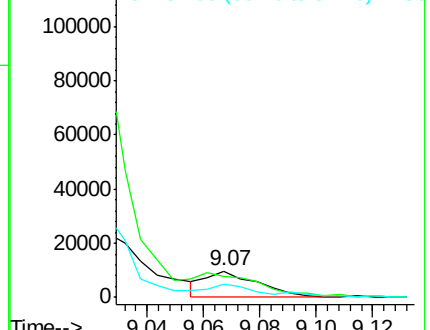
51 51.4 34.8 52.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#16

4-Methylphenol

Concen: 82.96 ng/ul

RT: 9.01 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BG025233.D

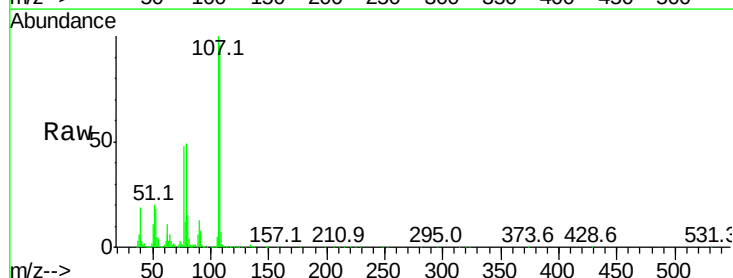
Acq: 16 Dec 2016 5:07

Tgt Ion:108 Resp: 488250

Ion Ratio Lower Upper

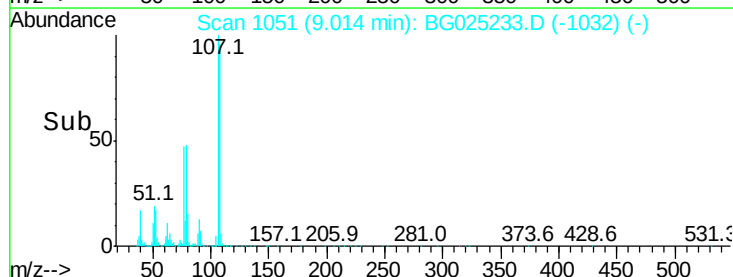
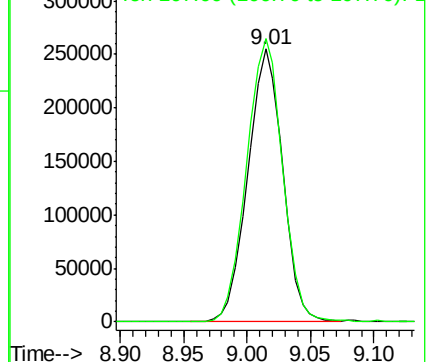
108 100

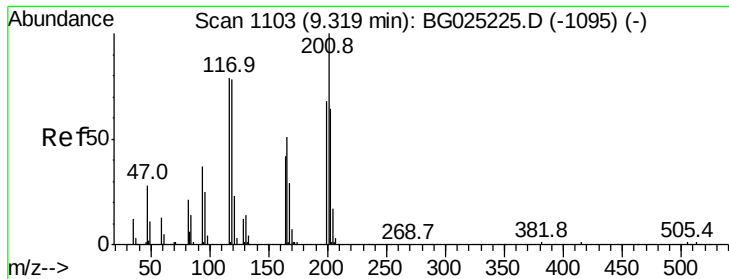
107 103.8 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 4.88 ng/ul

RT: 9.34 min Scan# 1107

Delta R.T. 0.02 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampleId :

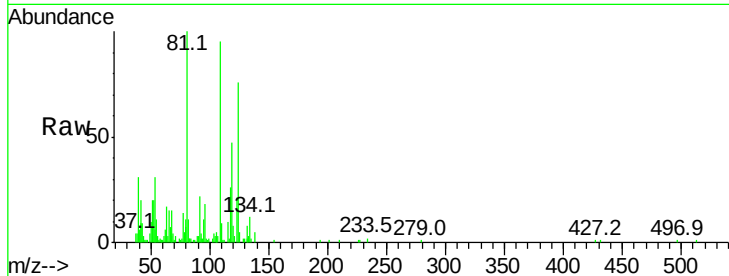
Tot Ion:117 Resp: 10636

Ion Ratio Lower Upper

117 100

201 2.5 91.9 137.9#

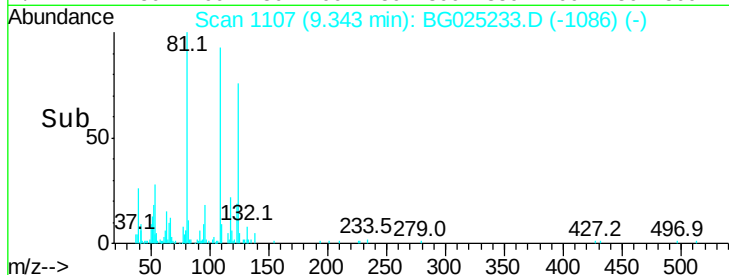
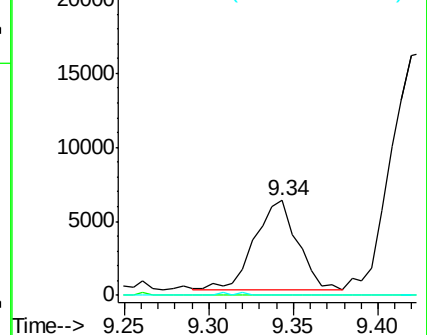
199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#24

2,4-Dimethylphenol

Concen: 74.29 ng/ul

RT: 10.22 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

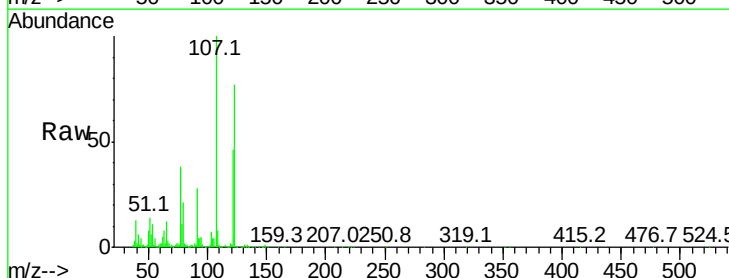
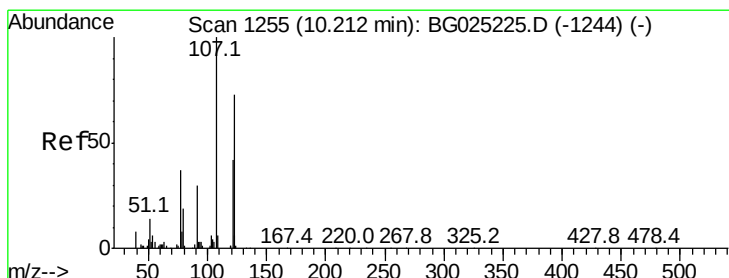
Tgt Ion:107 Resp: 538958

Ion Ratio Lower Upper

107 100

121 45.8 32.3 48.5

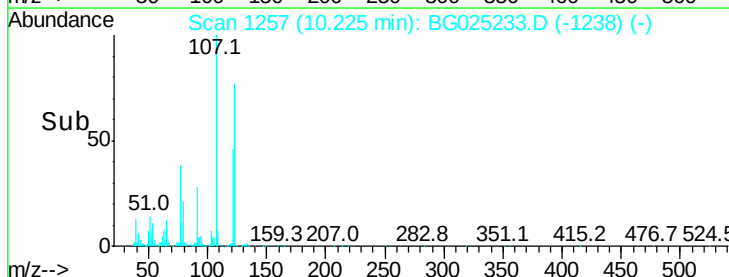
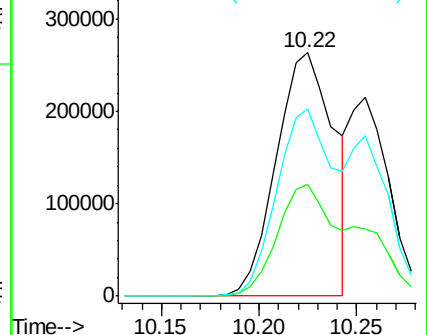
122 76.9 61.2 91.8

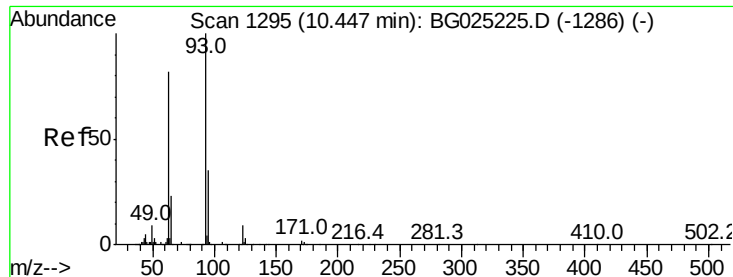


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Bis(2-Chloroethoxy)methane

Concen: 5.14 ng/ul

RT: 10.49 min Scan# 1303

Delta R.T. 0.05 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampleId :

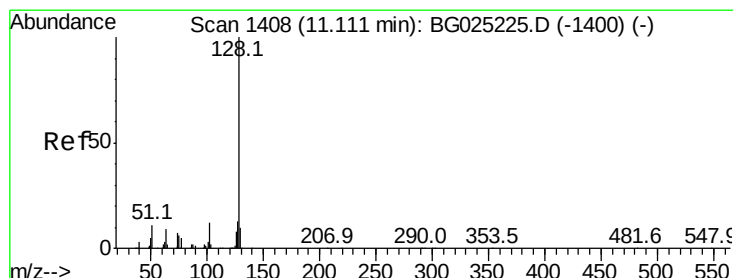
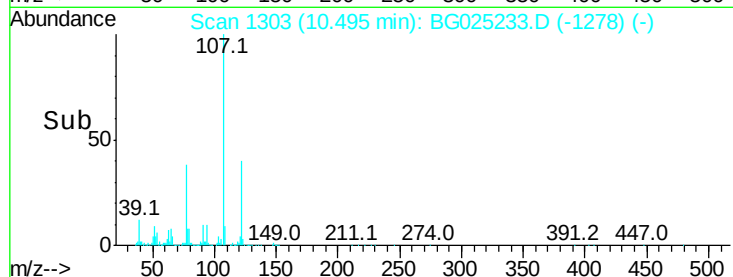
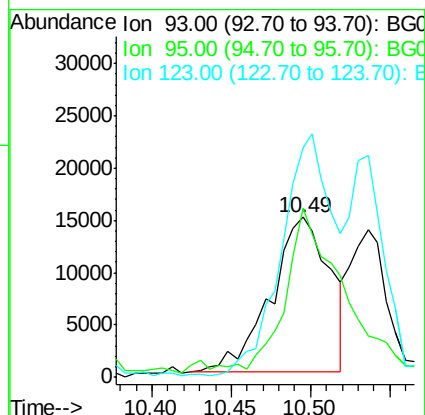
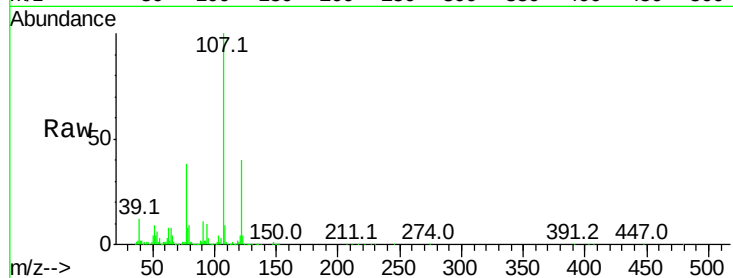
Tot Ion: 93 Resp: 38229

Ion Ratio Lower Upper

93 100

95 105.7 23.4 35.0#

123 143.6 7.8 11.6#



#28

Naphthalene

Concen: 16.84 ng/ul

RT: 11.12 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

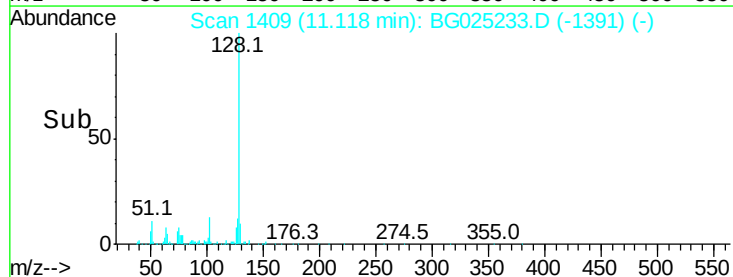
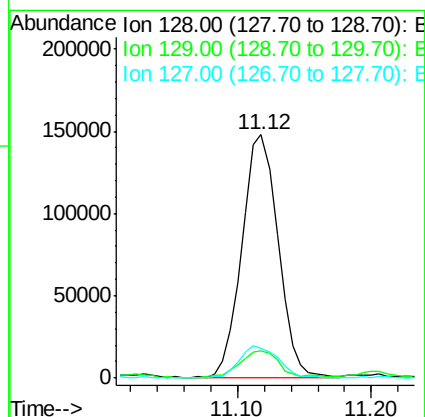
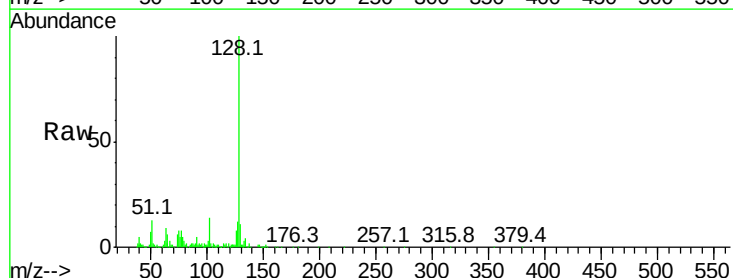
Tgt Ion: 128 Resp: 277369

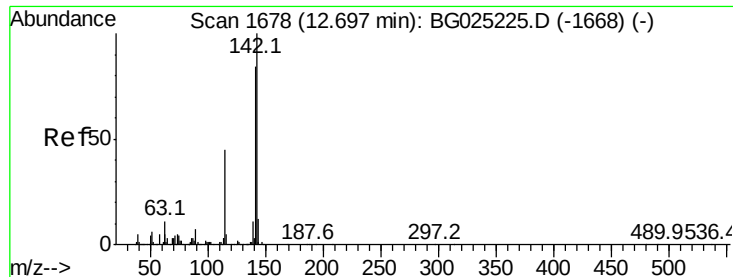
Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.2

127 12.0 10.3 15.5





#34

2-Methylnaphthalene

Concen: 31.85 ng/ul

RT: 12.70 min Scan# 1679

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

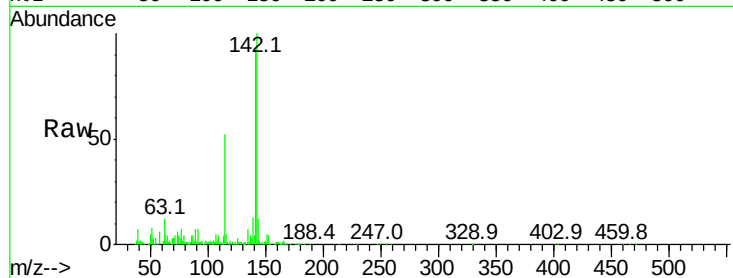
ClientSampleId :

Tot Ion:142 Resp: 413865

Ion Ratio Lower Upper

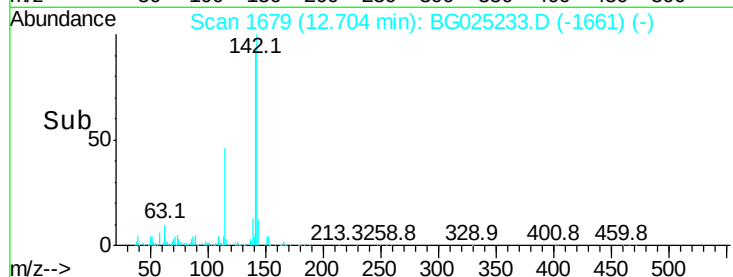
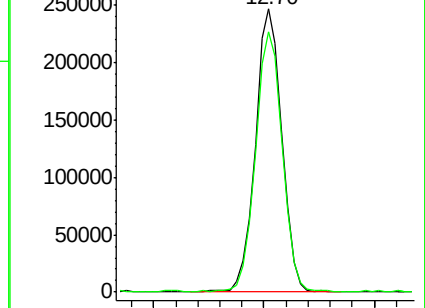
142 100

141 91.9 68.6 102.8

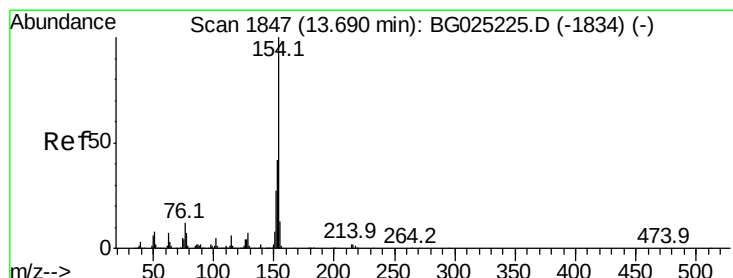


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#40

1,1'-Biphenyl

Concen: 6.98 ng/ul

RT: 13.69 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

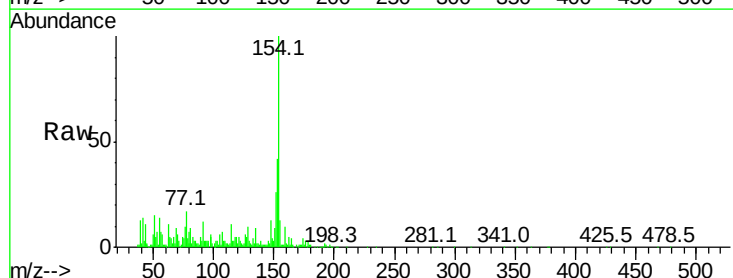
Tgt Ion:154 Resp: 116558

Ion Ratio Lower Upper

154 100

153 42.4 32.2 48.2

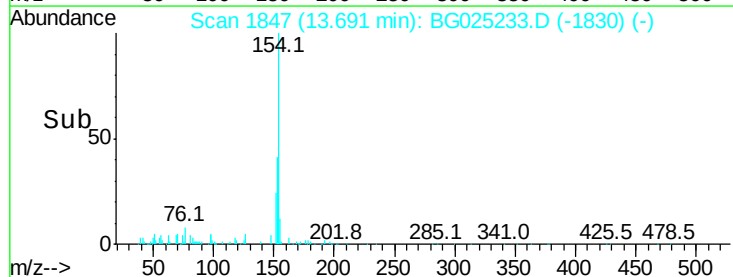
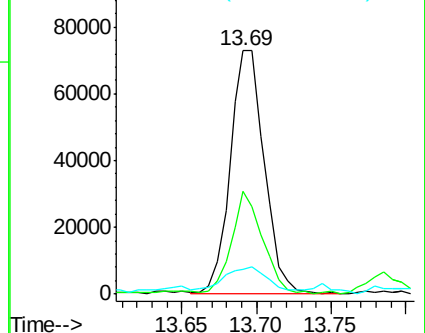
76 10.0 9.6 14.4



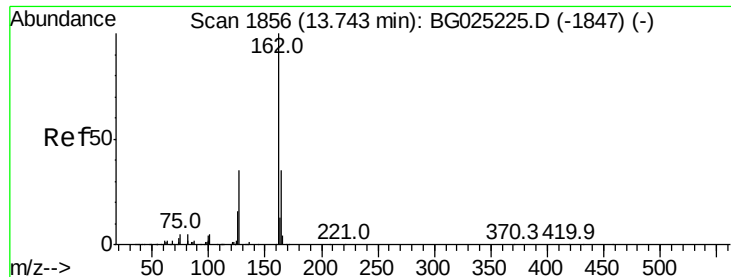
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG



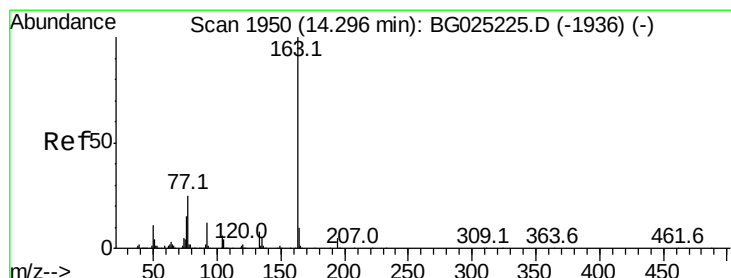
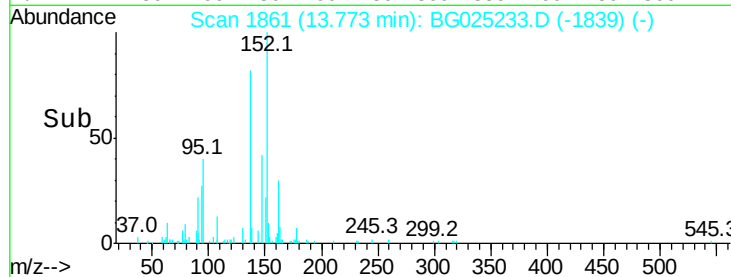
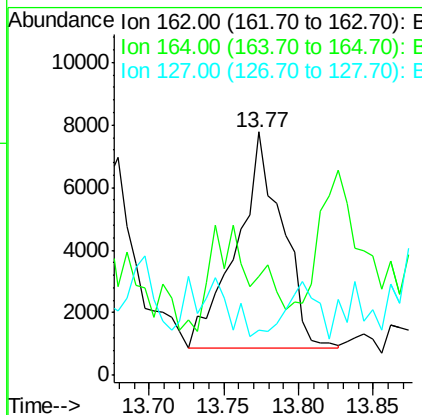
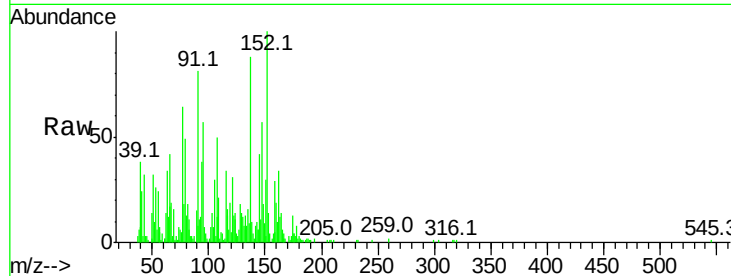
Time-->



#41
2-Chloronaphthalene
Concen: 1.10 ng/ul
RT: 13.77 min Scan# 1861
Delta R.T. 0.03 min
Lab File: BG025233.D
Acq: 16 Dec 2016 5:07

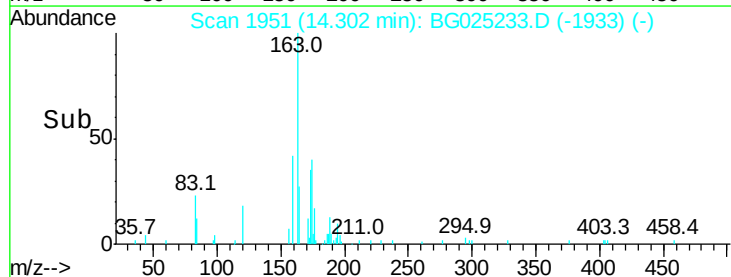
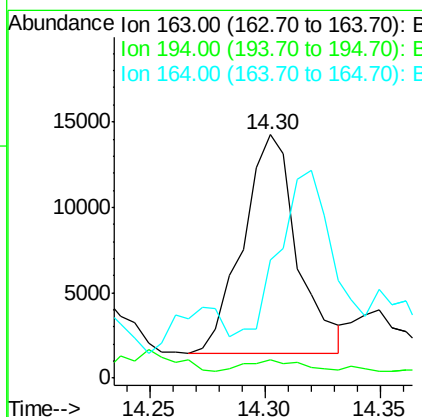
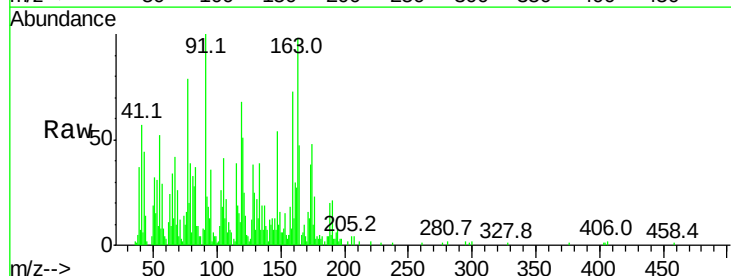
Instrument :
BNA_G
ClientSampleId :

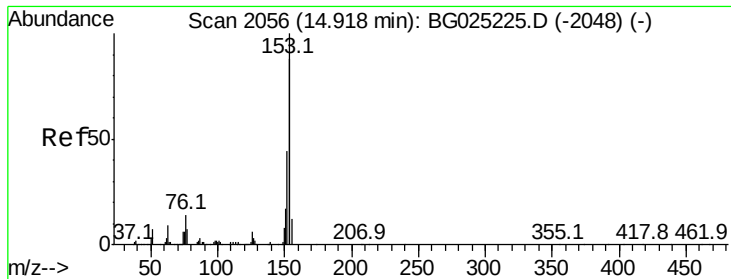
Tot Ion:162 Resp: 14574
Ion Ratio Lower Upper
162 100
164 40.7 25.0 37.6#
127 18.8 30.7 46.1#



#44
Dimethylphthalate
Concen: 1.12 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BG025233.D
Acq: 16 Dec 2016 5:07

Tgt Ion:163 Resp: 20921
Ion Ratio Lower Upper
163 100
194 7.6 3.4 5.0#
164 48.6 9.0 13.4#





#49

Acenaphthene

Concen: 2.21 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampled :

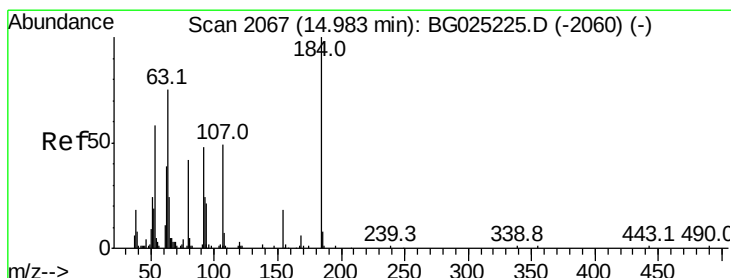
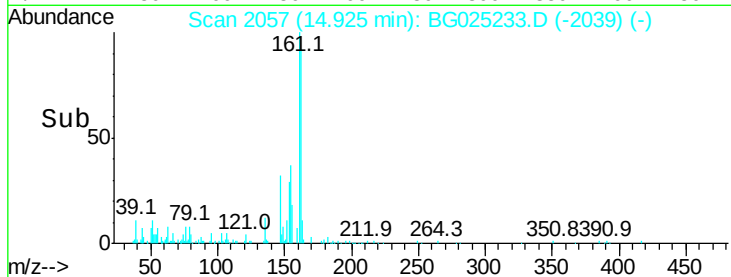
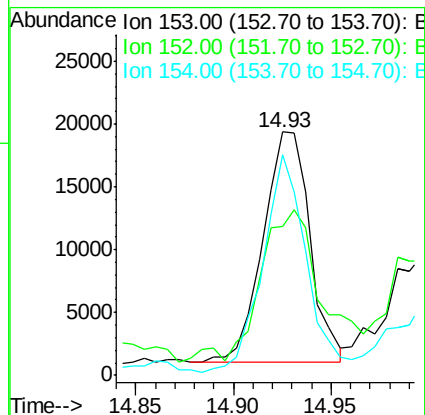
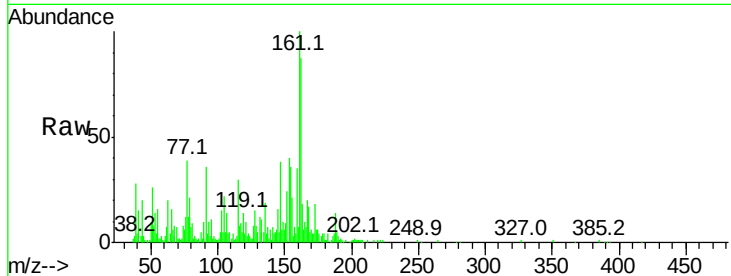
Tot Ion:153 Resp: 30575

Ion Ratio Lower Upper

153 100

152 61.3 36.5 54.7#

154 90.4 72.3 108.5



#50

2,4-Dinitrophenol

Concen: 2.33 ng/ul

RT: 15.00 min Scan# 2069

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

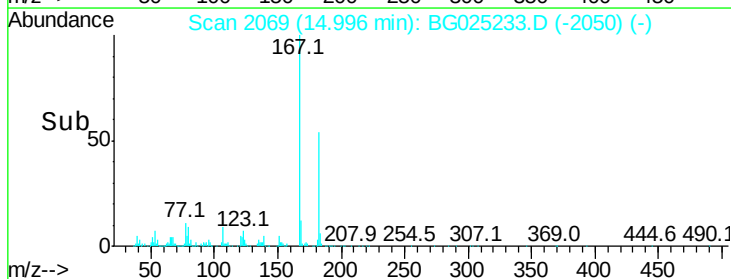
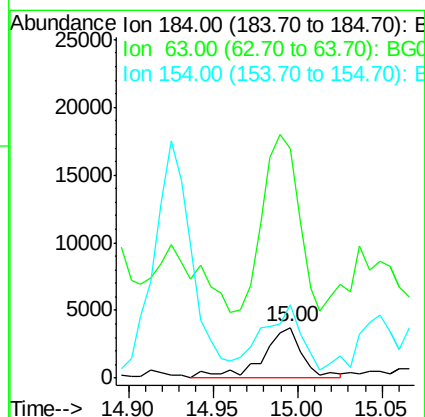
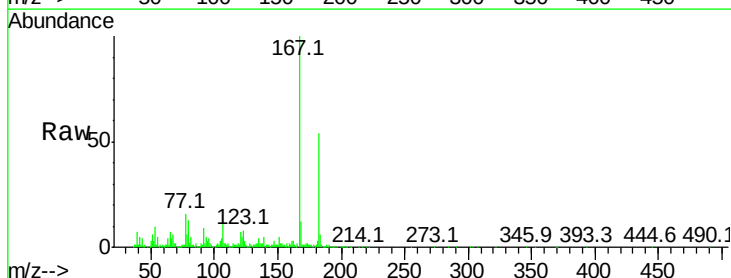
Tgt Ion:184 Resp: 6057

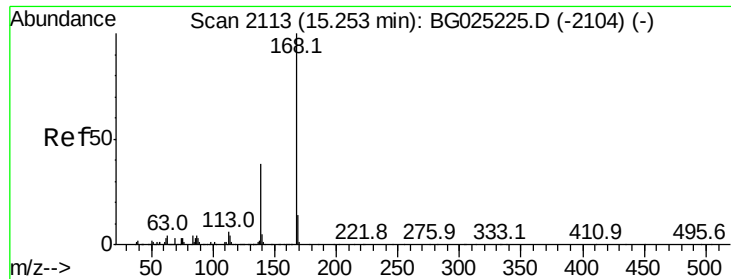
Ion Ratio Lower Upper

184 100

63 456.2 65.1 97.7#

154 146.4 68.2 102.4#





#53

Dibenzofuran

Concen: 4.83 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

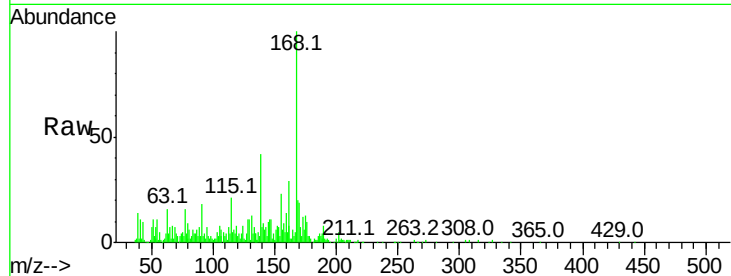
ClientSampleId :

Tot Ion:168 Resp: 105632

Ion Ratio Lower Upper

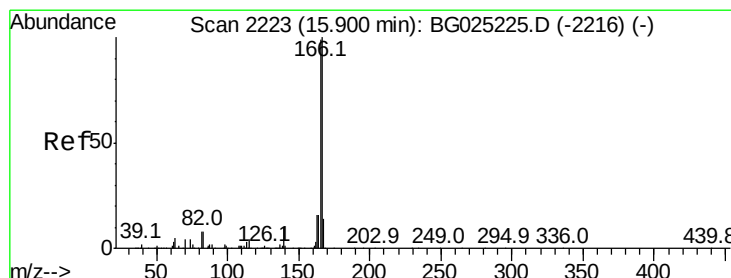
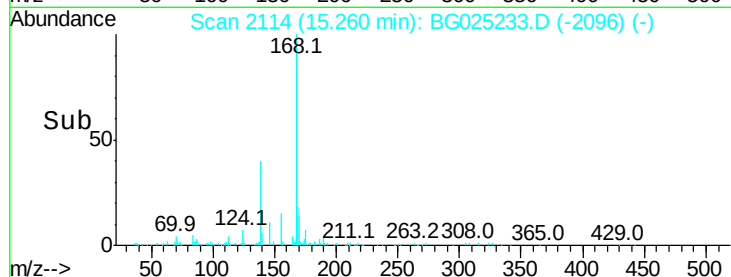
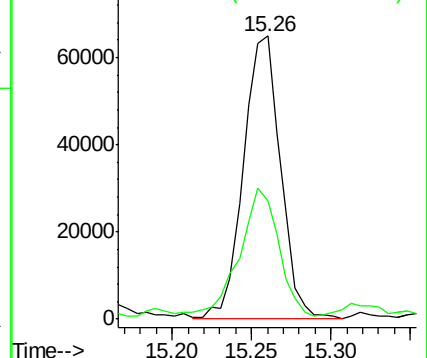
168 100

139 41.9 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 7.18 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

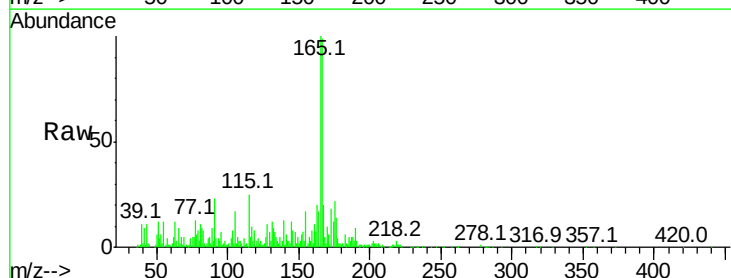
Tgt Ion:166 Resp: 127814

Ion Ratio Lower Upper

166 100

165 100.9 79.7 119.5

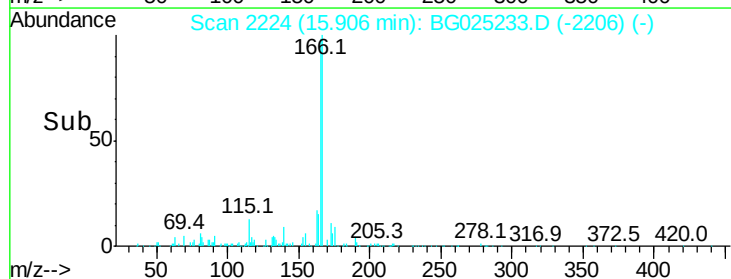
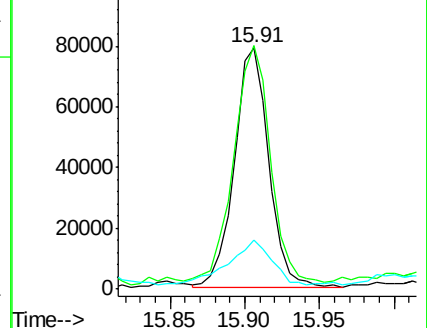
167 20.5 11.4 17.2#

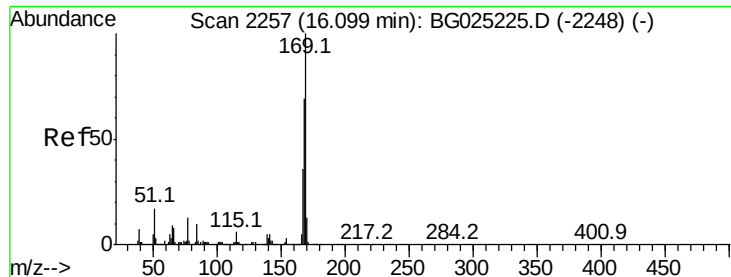


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

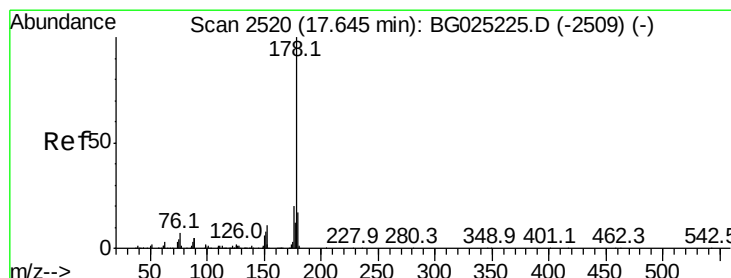
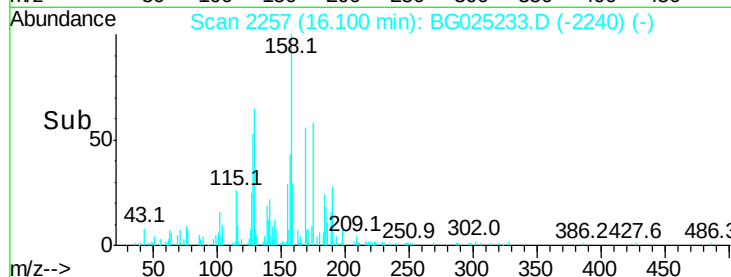
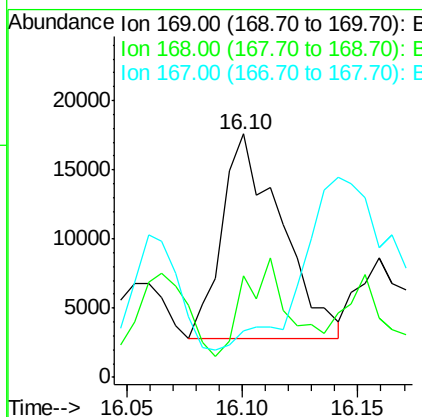
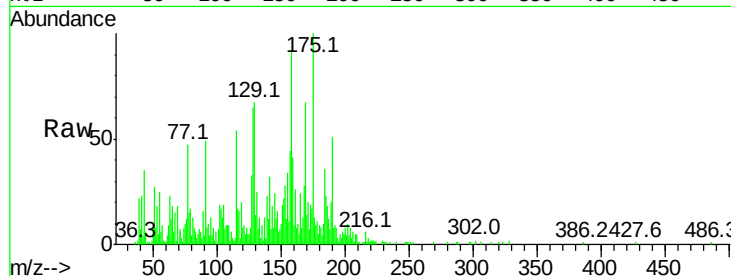




#64
N-Nitrosodiphenylamine
Concen: 1.90 ng/ul
RT: 16.10 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BG025233.D
Acq: 16 Dec 2016 5:07

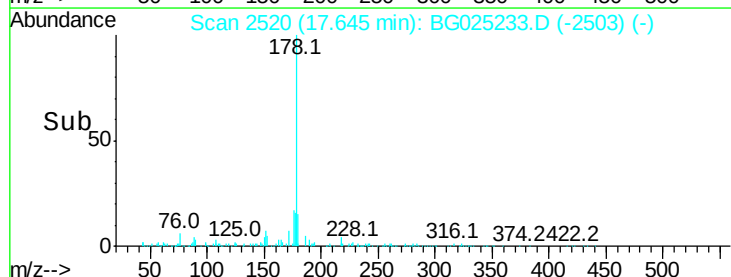
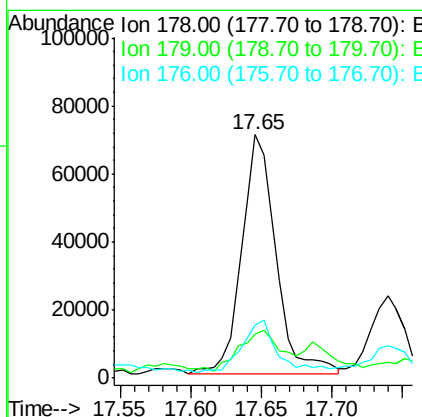
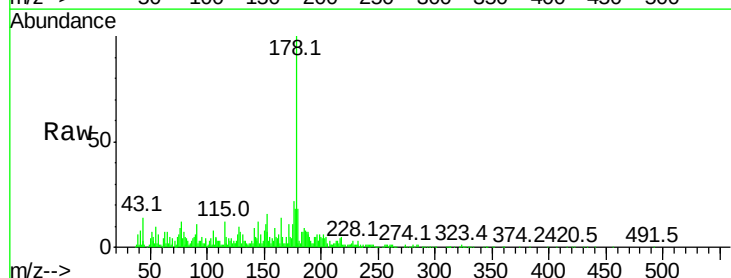
Instrument :
BNA_G
ClientSampled :

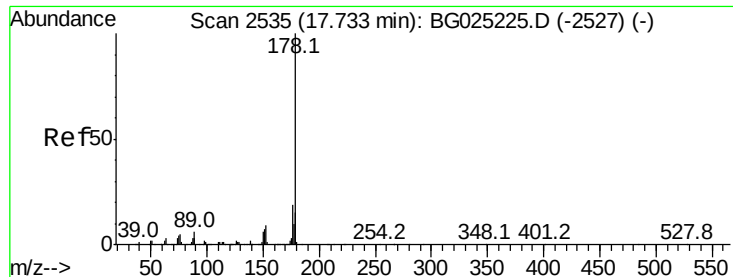
Tot Ion:169 Resp: 26278
Ion Ratio Lower Upper
169 100
168 41.5 59.1 88.7#
167 19.0 29.7 44.5#



#69
Phenanthrene
Concen: 4.64 ng/ul
RT: 17.65 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG025233.D
Acq: 16 Dec 2016 5:07

Tgt Ion:178 Resp: 119209
Ion Ratio Lower Upper
178 100
179 18.2 12.4 18.6
176 21.9 16.5 24.7





#71

Anthracene

Concen: 1.22 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

Instrument :

BNA_G

ClientSampleId :

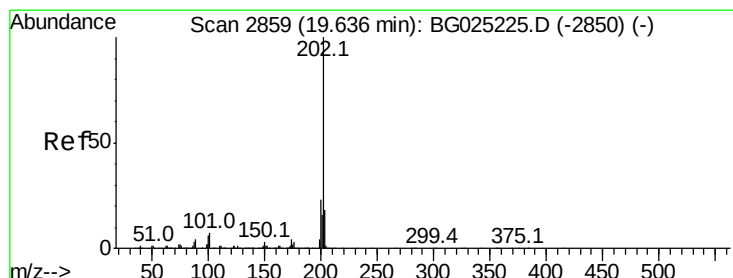
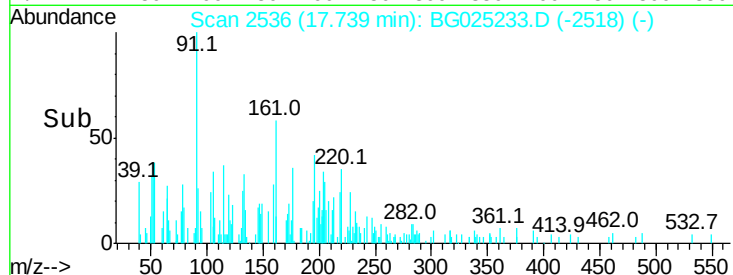
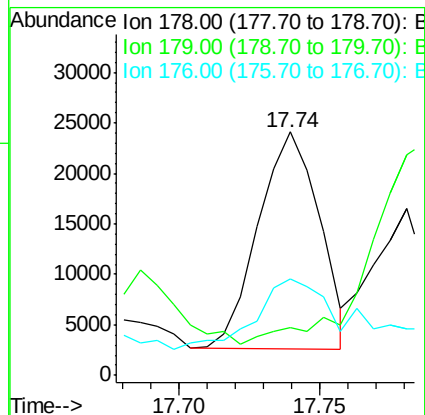
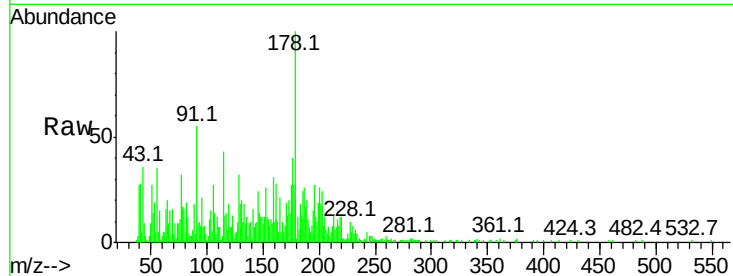
Tot Ion:178 Resp: 32177

Ion Ratio Lower Upper

178 100

179 19.8 12.6 19.0#

176 39.5 15.9 23.9#



#74

Fluoranthene

Concen: 1.03 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.01 min

Lab File: BG025233.D

Acq: 16 Dec 2016 5:07

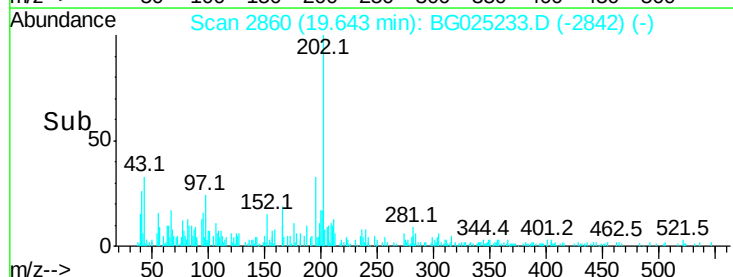
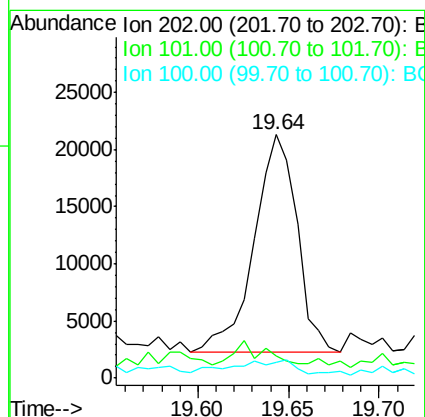
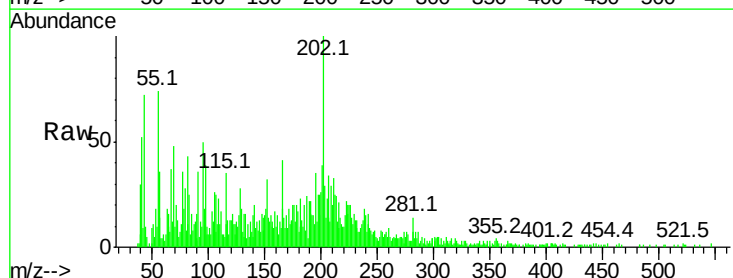
Tgt Ion:202 Resp: 31551

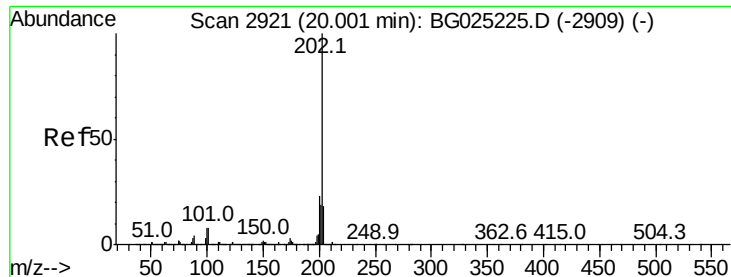
Ion Ratio Lower Upper

202 100

101 9.2 6.2 9.2#

100 6.3 5.2 7.8





#77
 Pvrene
 Concen: 1.26 ng/ul
 RT: 20.01 min Scan# 2922
 Delta R.T. 0.01 min
 Lab File: BG025233.D
 Acq: 16 Dec 2016 5:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.9	10.3
100	4.6	6.6	10.0

