

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
 Data File : BG025024.D
 Acq On : 9 Dec 2016 2:32
 Operator : UM/SJ
 Sample : H5863-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Z8

Quant Time: Dec 09 03:14:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 01:31:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	93374	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	393959	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	329288	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	695849	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	886778	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	924703	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	19330	10.69	ng/uL	-0.01
5) Phenol-d5	7.39	99	167006	20.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	112087	22.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	122066	21.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	143926	21.38	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	73992	26.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	77200	22.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	150724	22.53	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	327086	49.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	504939	22.29	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	565576	22.80	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	94886	24.38	ng/ul	0.02
57) Fluorene-d10	15.85	176	665738	31.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	103548	24.07	ng/ul	0.00
70) Anthracene-d10	17.70	188	703872	23.97	ng/ul	0.00
76) Pyrene-d10	19.98	212	820633	22.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	886291	23.65	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	7.37	77	45258	7.46 ng/ul#	1
6) Phenol	7.42	94	57259	6.93 ng/ul#	94
11) 2-Methylphenol	8.67	108	77158	12.67 ng/ul	95
14) Acetophenone	9.04	105	226815	22.14 ng/ul#	30
16) 4-Methylphenol	9.01	108	247121	36.49 ng/ul	92
17) Hexachloroethane	9.35	117	70414	28.07 ng/ul#	1
24) 2,4-Dimethylphenol	10.22	107	275383	34.13 ng/ul	96
27) 2,4-Dichlorophenol	10.69	162	83681	12.89 ng/ul#	34
28) Naphthalene	11.12	128	850517	46.44 ng/ul	97
34) 2-Methylnaphthalene	12.71	142	1080755	74.78 ng/ul	95
40) 1,1'-Biphenyl	13.70	154	241519	12.10 ng/ul	99
44) Dimethylphthalate	14.31	163	474457	21.31 ng/ul#	99
47) Acenaphthylene	14.59	152	31252	1.30 ng/ul#	1
49) Acenaphthene	14.93	153	64938	3.93 ng/ul#	81
53) Dibenzofuran	15.26	168	188057	7.20 ng/ul	96
58) Fluorene	15.91	166	224806	10.57 ng/ul#	87
60) 4-Nitroaniline	15.91	138	5618	1.12 ng/ul#	52
64) N-Nitrosodiphenylamine	16.11	169	43008	2.40 ng/ul#	57
67) Atrazine	17.02	200	18004	2.12 ng/ul#	1
69) Phenanthrene	17.65	178	174923	5.27 ng/ul#	88
71) Anthracene	17.74	178	43911	1.29 ng/ul#	86
77) Pyrene	20.00	202	62427	1.46 ng/ul#	97

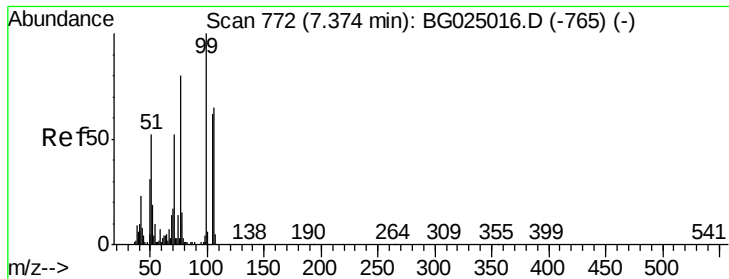
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
Data File : BG025024.D
Acq On : 9 Dec 2016 2:32
Operator : UM/SJ
Sample : H5863-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA7Z8

Quant Time: Dec 09 03:14:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 09 01:31:52 2016
Response via : Initial Calibration

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

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



#4

Benzaldehyde

Concen: 7.46 ng/ul

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

Instrument :

BNA_G

ClientSampleId :

DA7Z8

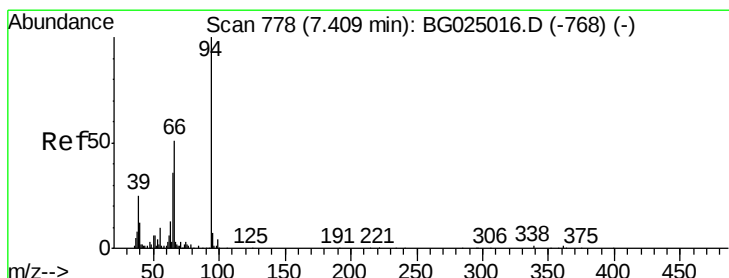
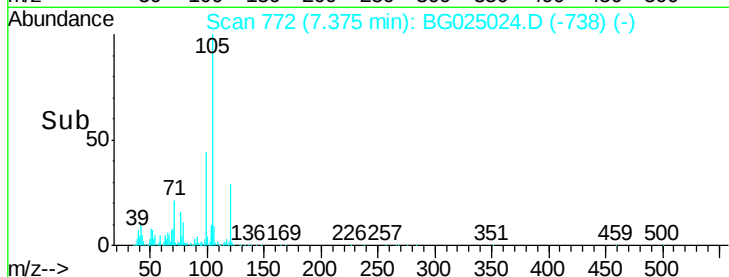
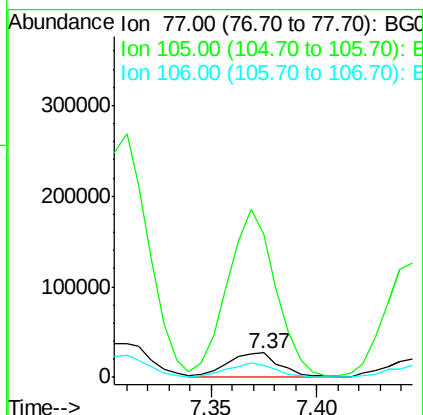
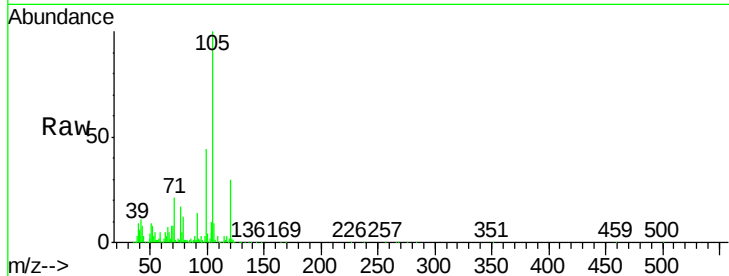
Tgt Ion: 77 Resp: 45258

Ion Ratio Lower Upper

77 100

105 584.4 62.0 93.0#

106 50.6 60.2 90.4#



#6

Phenol

Concen: 6.93 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.01 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

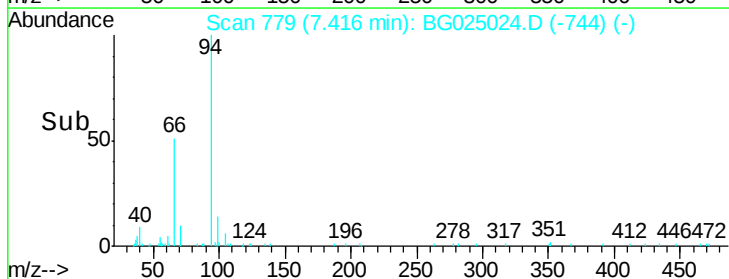
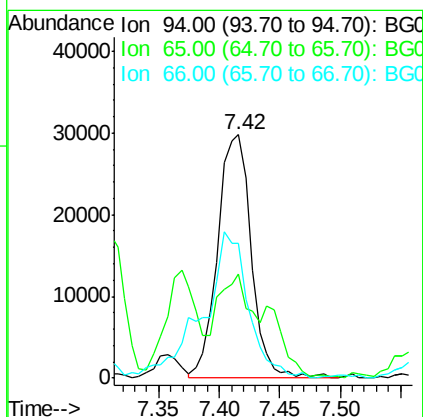
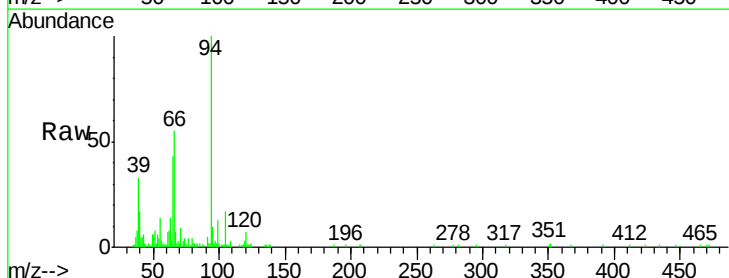
Tgt Ion: 94 Resp: 57259

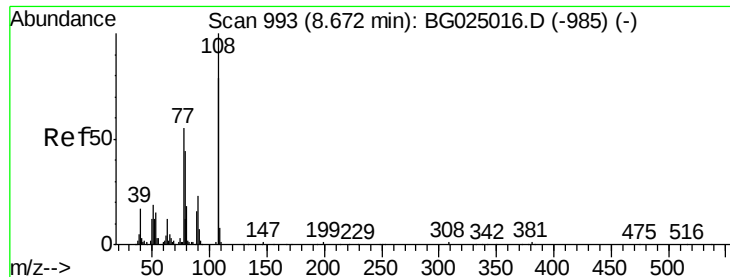
Ion Ratio Lower Upper

94 100

65 42.5 26.8 40.2#

66 55.2 44.4 66.6

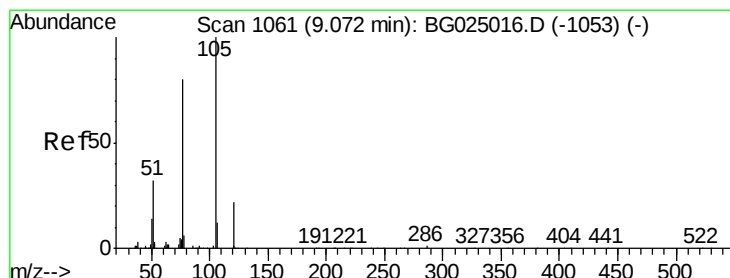
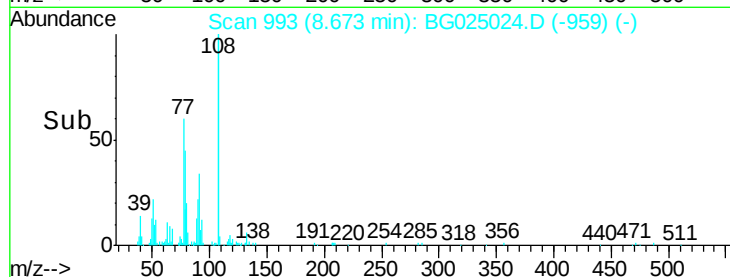
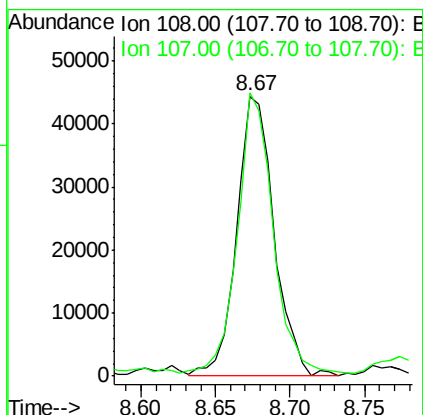
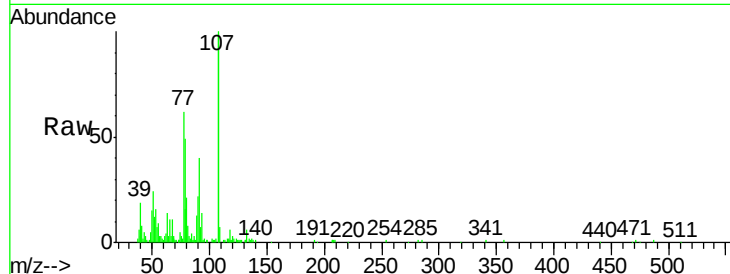




#11
2-Methylphenol
Concen: 12.67 ng/ul
RT: 8.67 min Scan# 993
Delta R.T. 0.00 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

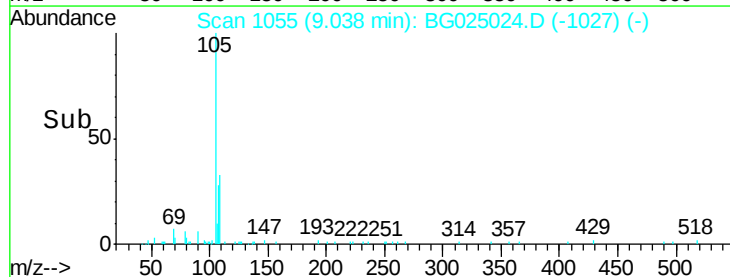
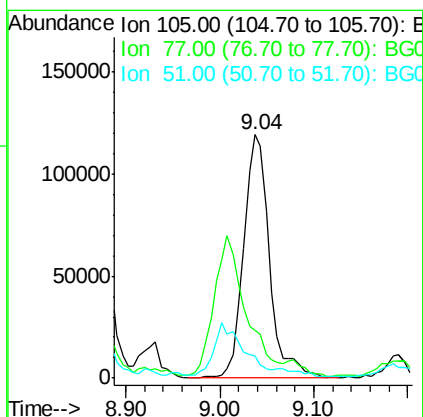
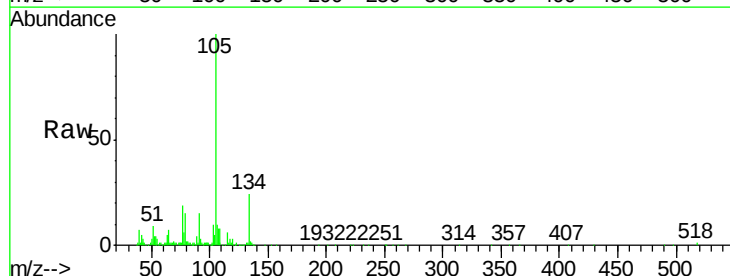
Instrument :
BNA_G
ClientSampleId :
DA7Z8

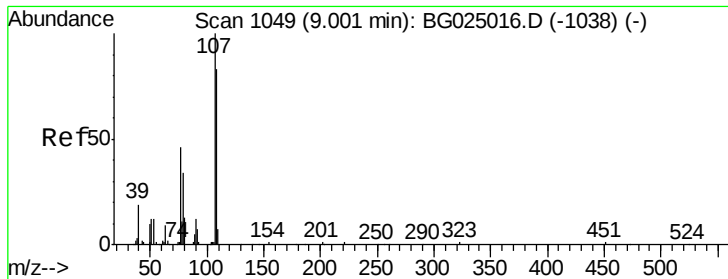
Tgt Ion:108 Resp: 77158
Ion Ratio Lower Upper
108 100
107 101.1 76.7 115.1



#14
Acetophenone
Concen: 22.14 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. -0.03 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

Tgt Ion:105 Resp: 226815
Ion Ratio Lower Upper
105 100
77 19.5 76.0 114.0#
51 8.9 34.8 52.2#

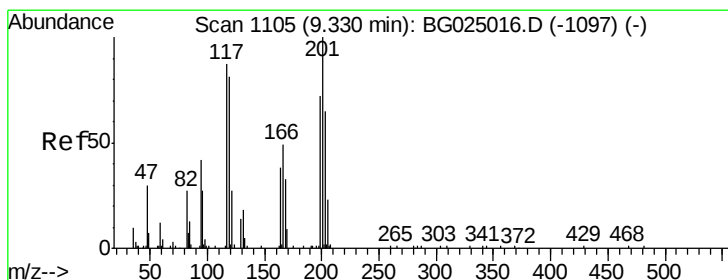
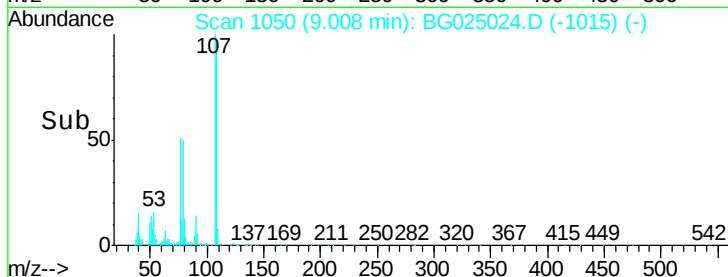
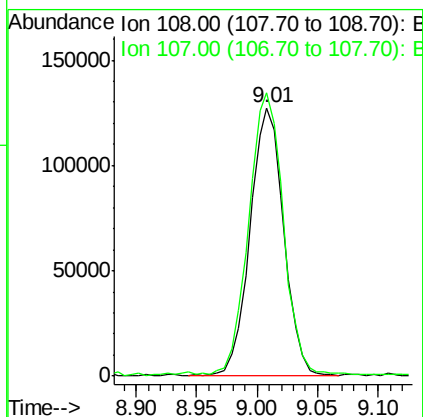
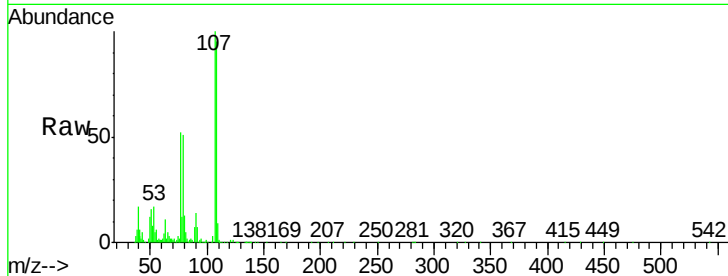




#16
4-Methylphenol
Concen: 36.49 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

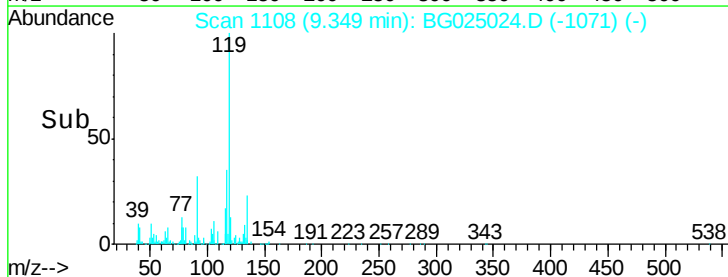
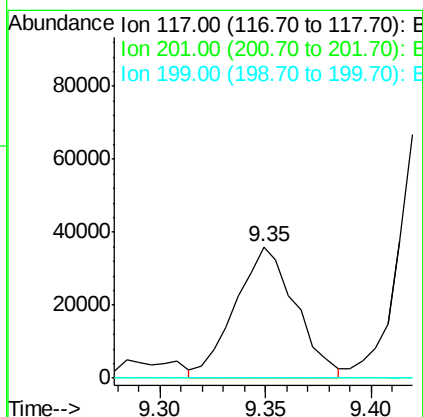
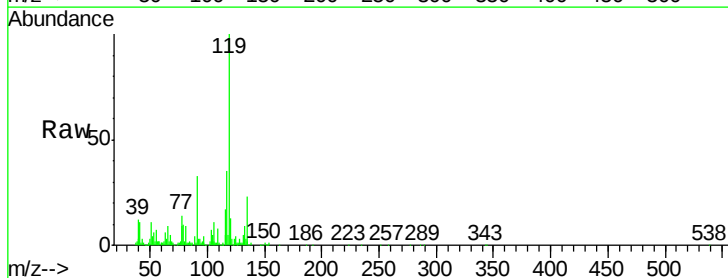
Instrument :
BNA_G
ClientSampleId :
DA7Z8

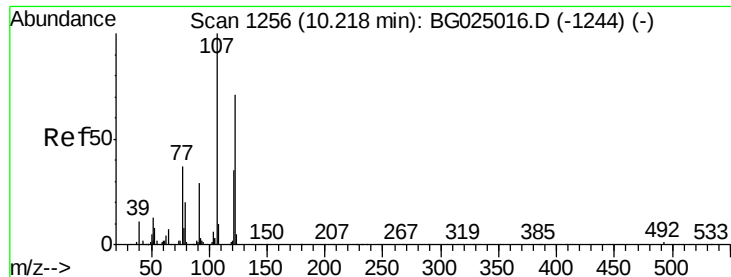
Tgt Ion:108 Resp: 247121
Ion Ratio Lower Upper
108 100
107 105.5 91.7 137.5



#17
Hexachloroethane
Concen: 28.07 ng/ul
RT: 9.35 min Scan# 1108
Delta R.T. 0.02 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

Tgt Ion:117 Resp: 70414
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#

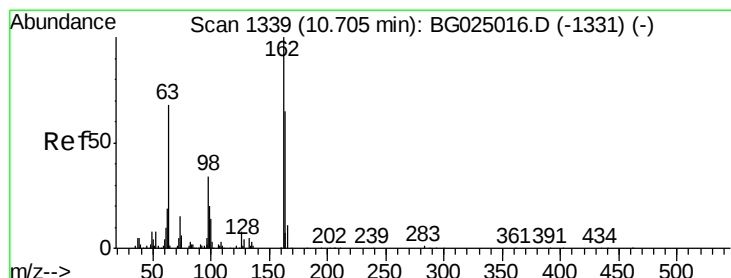
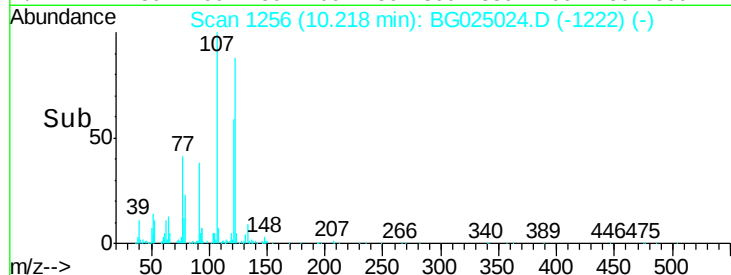
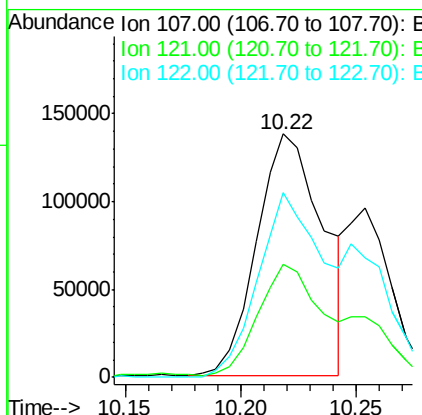
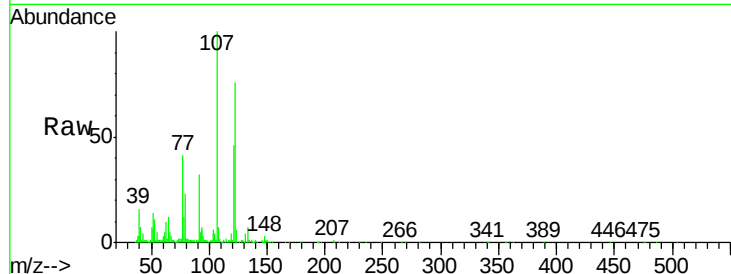




#24
 2,4-Dimethylphenol
 Concen: 34.13 ng/ul
 RT: 10.22 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: BG025024.D
 Acq: 9 Dec 2016 2:32

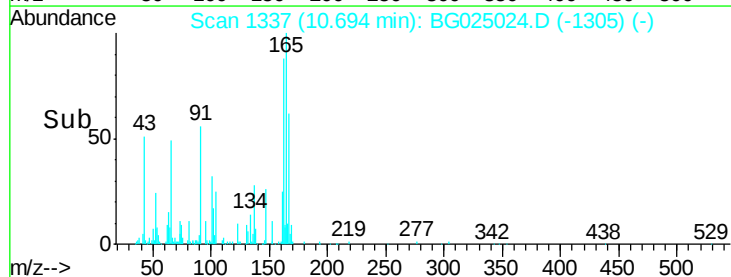
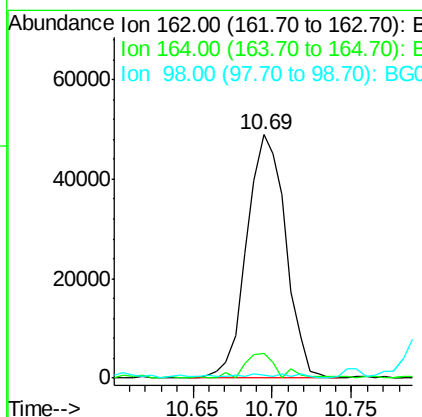
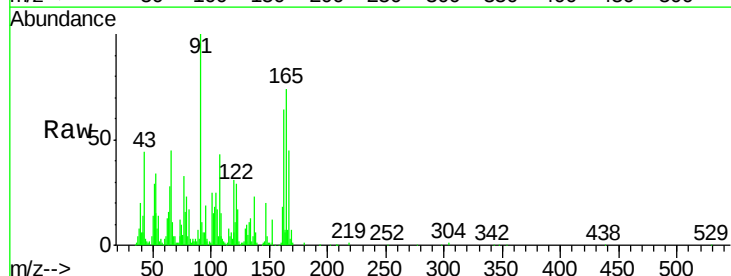
Instrument :
 BNA_G
 ClientSampleId :
 DA7Z8

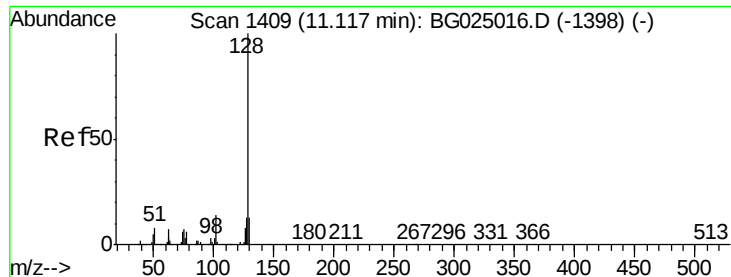
Tgt Ion	Ratio	Lower	Upper
107	100		
121	46.4	32.3	48.5
122	75.6	61.2	91.8



#27
 2,4-Dichlorophenol
 Concen: 12.89 ng/ul
 RT: 10.69 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BG025024.D
 Acq: 9 Dec 2016 2:32

Tgt Ion	Ratio	Lower	Upper
162	100		
164	10.4	50.8	76.2#
98	1.2	32.1	48.1#

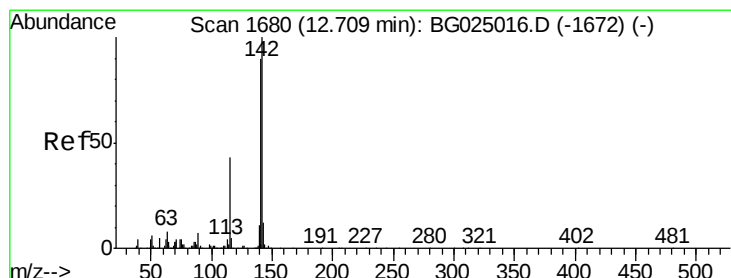
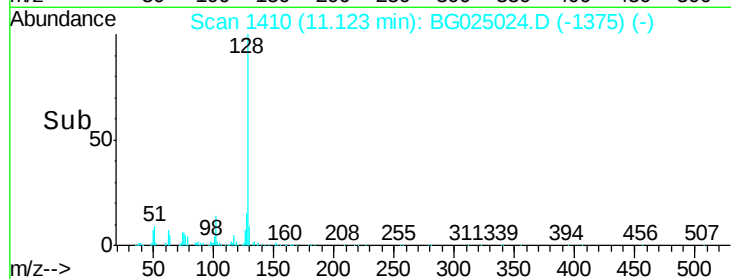
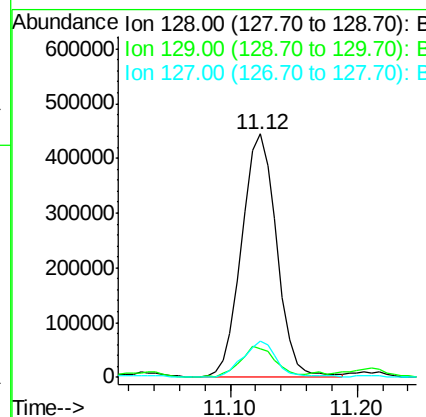
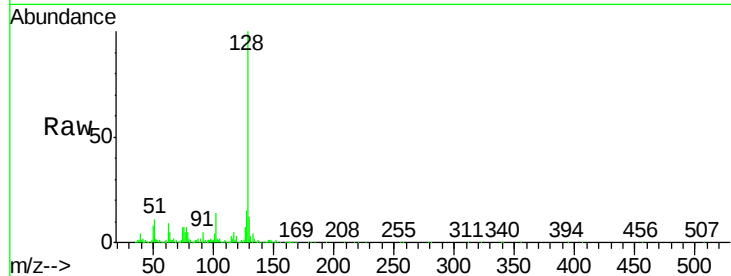




#28
Naphthalene
Concen: 46.44 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

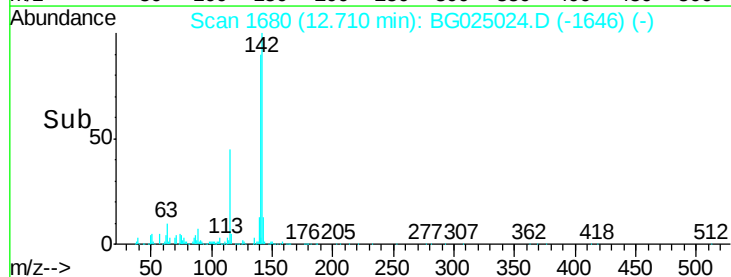
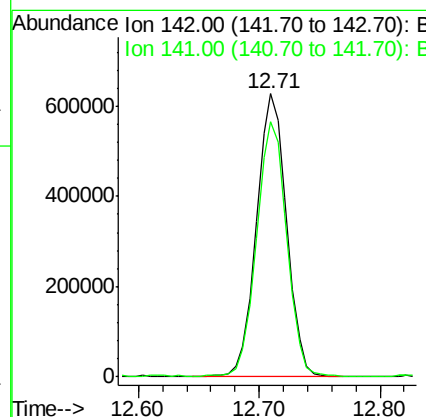
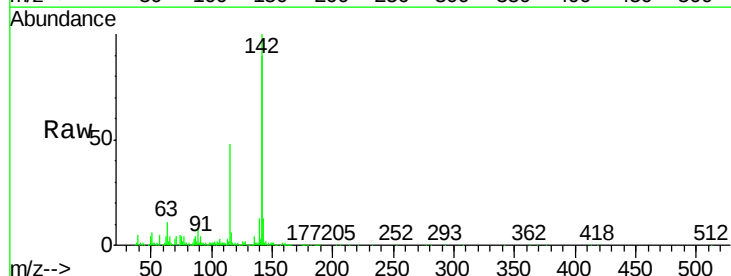
Instrument :
BNA_G
ClientSampleId :
DA7Z8

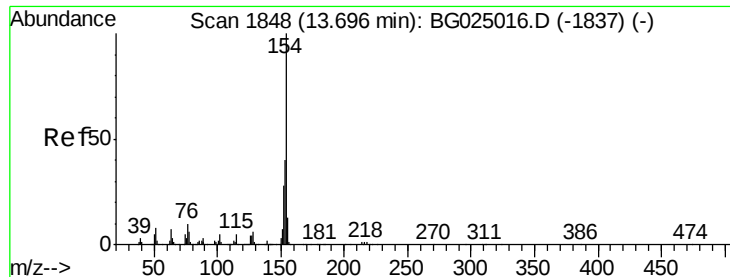
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	15.0	10.3	15.5



#34
2-Methylnaphthalene
Concen: 74.78 ng/ul
RT: 12.71 min Scan# 1680
Delta R.T. 0.00 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	68.6	102.8





#40

1,1'-Biphenyl

Concen: 12.10 ng/ul

RT: 13.70 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

Instrument :

BNA_G

ClientSampleId :

DA7Z8

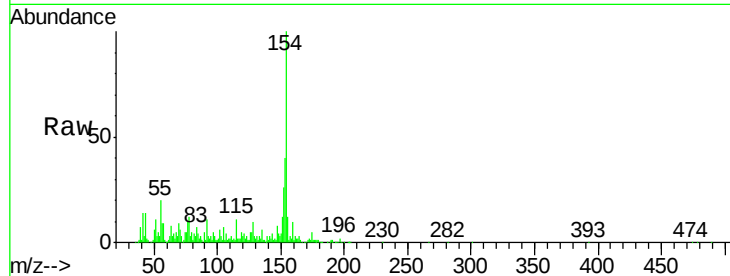
Tgt Ion:154 Resp: 241519

Ion Ratio Lower Upper

154 100

153 40.0 32.2 48.2

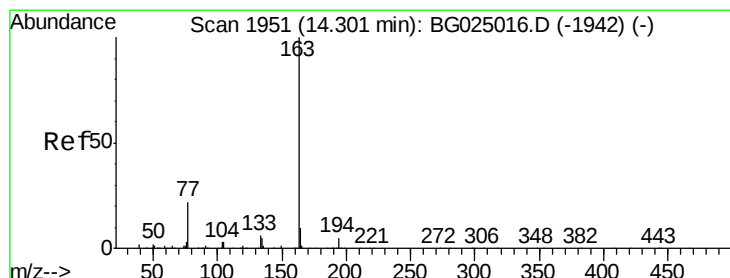
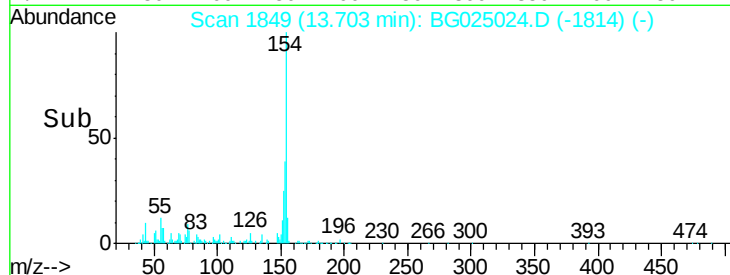
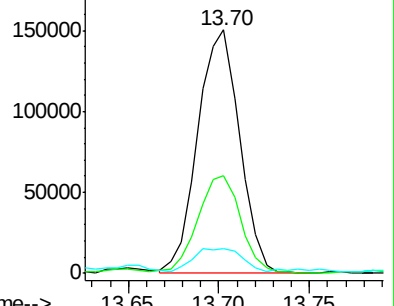
76 10.3 9.6 14.4



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): BGC



#44

Dimethylphthalate

Concen: 21.31 ng/ul

RT: 14.31 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

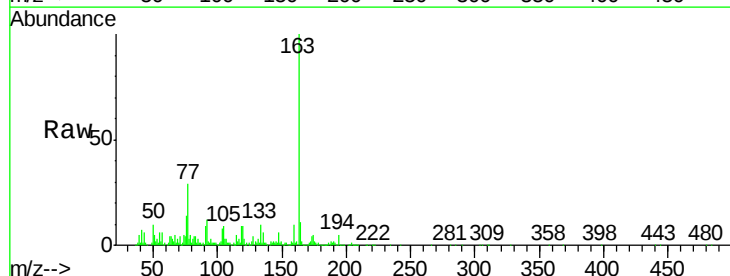
Tgt Ion:163 Resp: 474457

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.0#

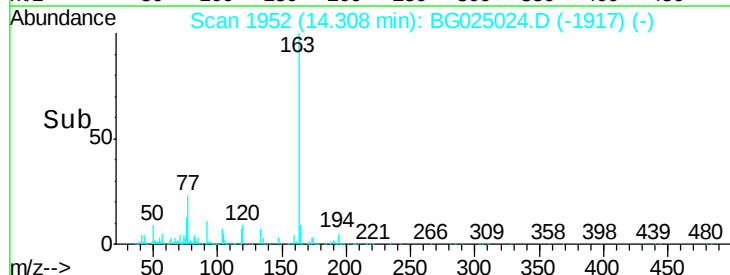
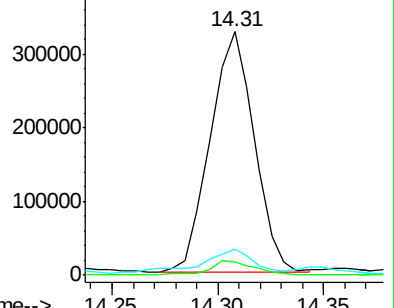
164 10.9 9.0 13.4

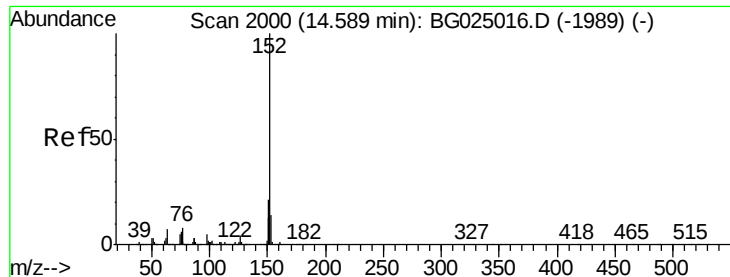


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.30 ng/ul

RT: 14.59 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

Instrument :

BNA_G

ClientSampleId :

DA7Z8

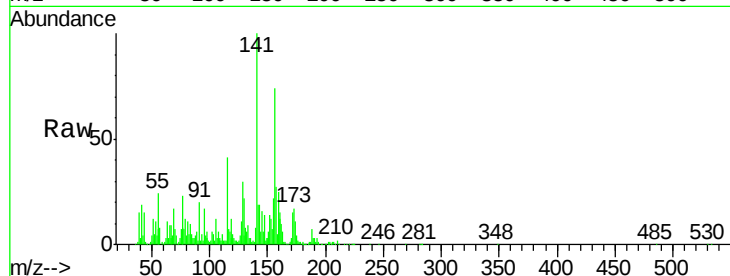
Tgt Ion:152 Resp: 31252

Ion Ratio Lower Upper

152 100

151 45.2 16.7 25.1#

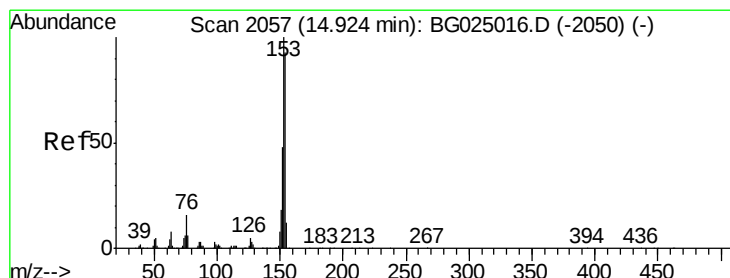
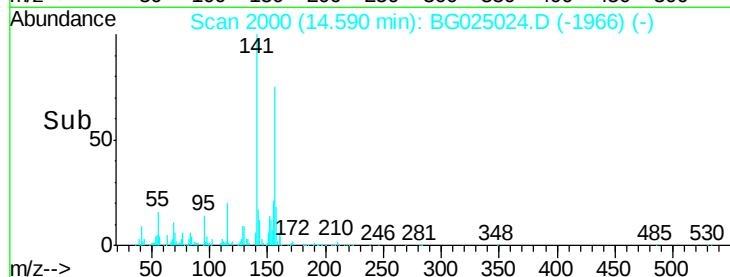
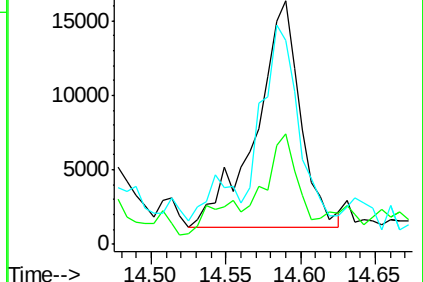
153 83.6 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 3.93 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

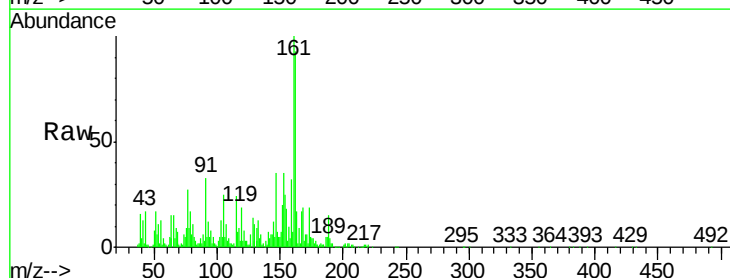
Tgt Ion:153 Resp: 64938

Ion Ratio Lower Upper

153 100

152 57.1 36.5 54.7#

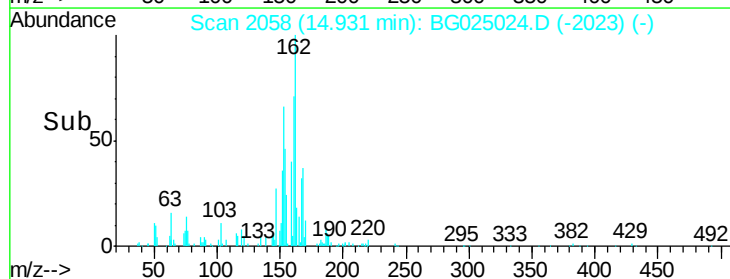
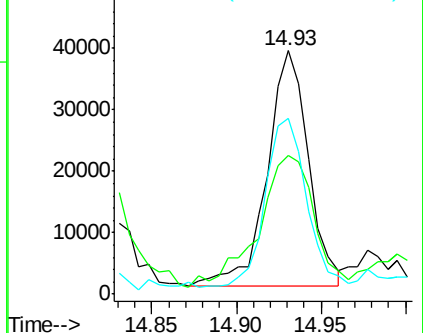
154 72.3 72.3 108.5

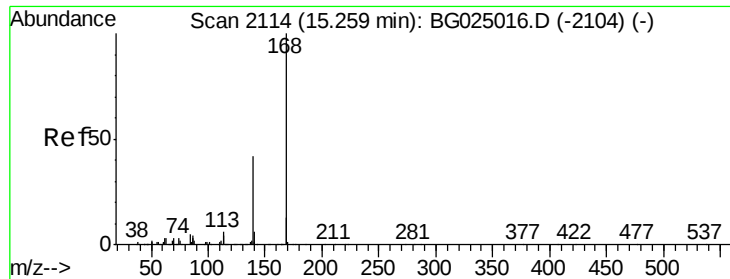


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 7.20 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

Instrument :

BNA_G

ClientSampleId :

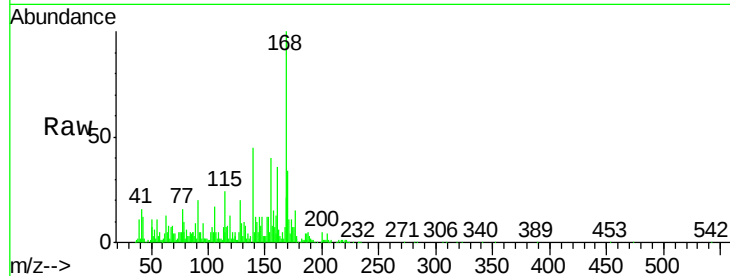
DA7Z8

Tgt Ion:168 Resp: 188057

Ion Ratio Lower Upper

168 100

139 44.9 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.26

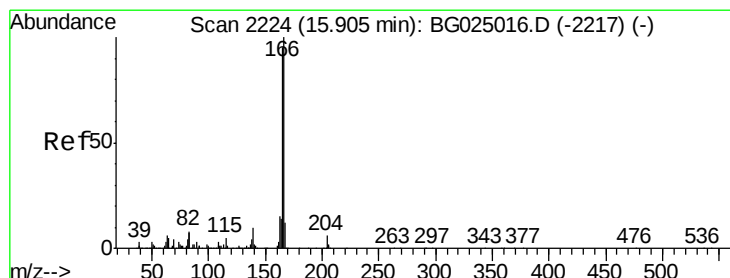
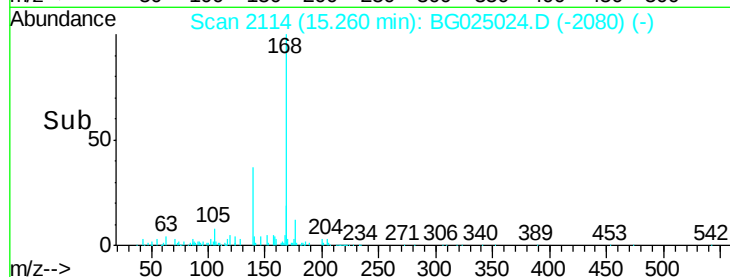
100000

50000

0

15.20 15.25 15.30

Time-->



#58

Fluorene

Concen: 10.57 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG025024.D

Acq: 9 Dec 2016 2:32

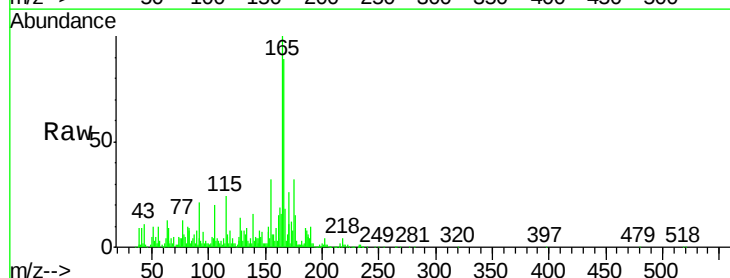
Tgt Ion:166 Resp: 224806

Ion Ratio Lower Upper

166 100

165 112.0 79.7 119.5

167 20.2 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

200000

150000

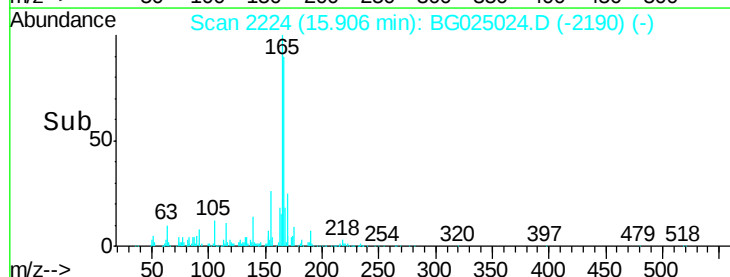
100000

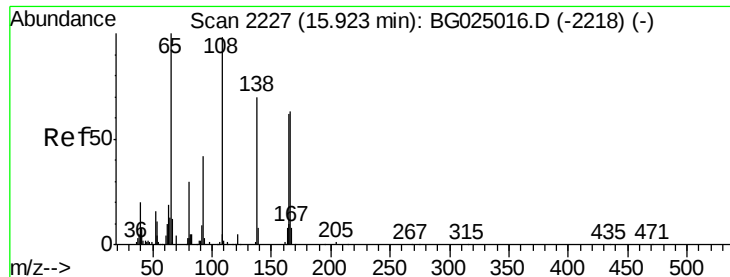
50000

0

15.85 15.90 15.95

Time-->

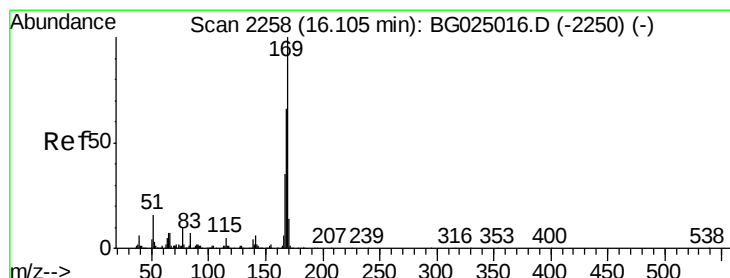
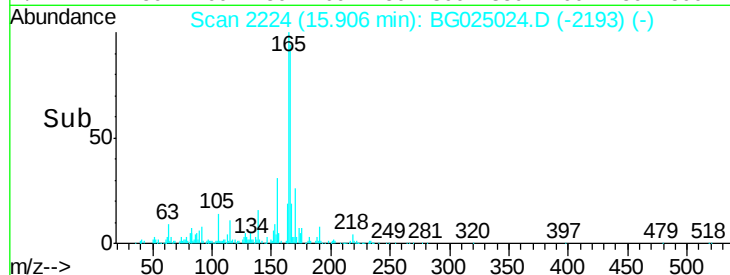
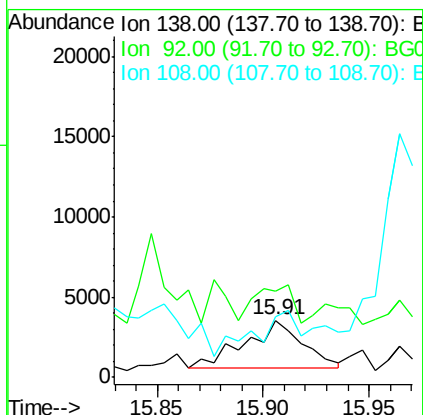
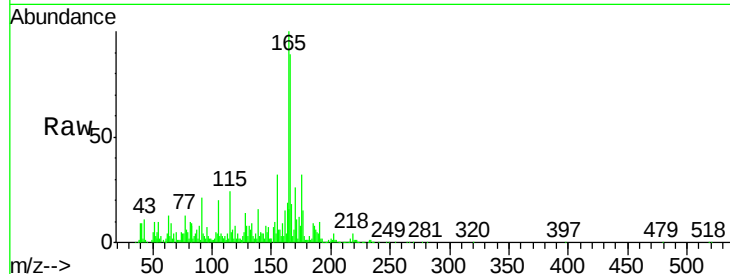




#60
4-Nitroaniline
Concen: 1.12 ng/ul
RT: 15.91 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

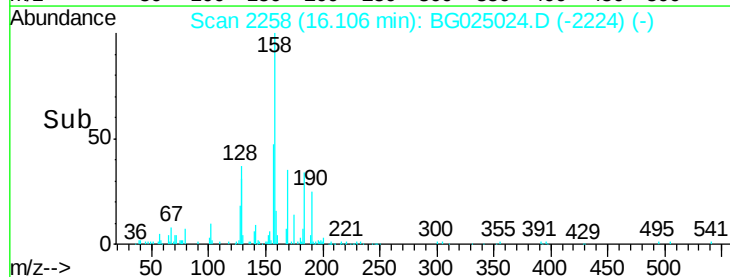
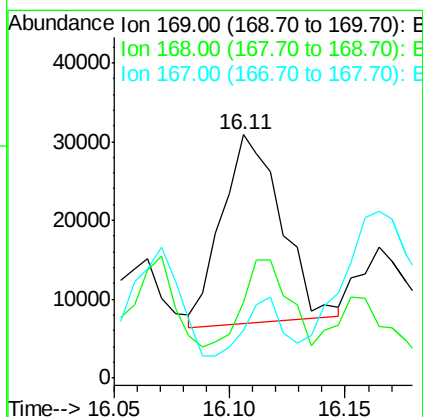
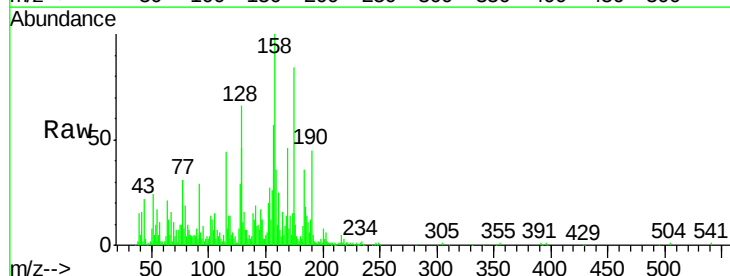
Instrument :
BNA_G
ClientSampleId :
DA7Z8

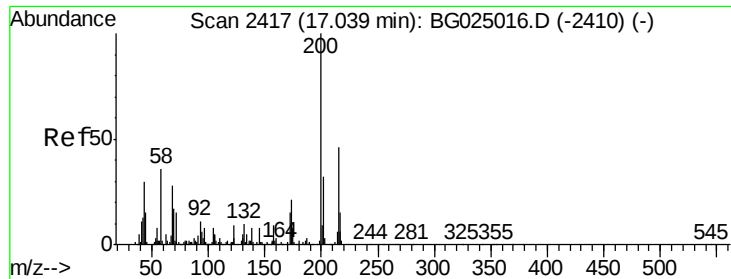
Tgt Ion:138 Resp: 5618
Ion Ratio Lower Upper
138 100
92 152.1 56.9 85.3#
108 106.7 104.9 157.3



#64
N-Nitrosodiphenylamine
Concen: 2.40 ng/ul
RT: 16.11 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

Tgt Ion:169 Resp: 43008
Ion Ratio Lower Upper
169 100
168 31.3 59.1 88.7#
167 19.5 29.7 44.5#

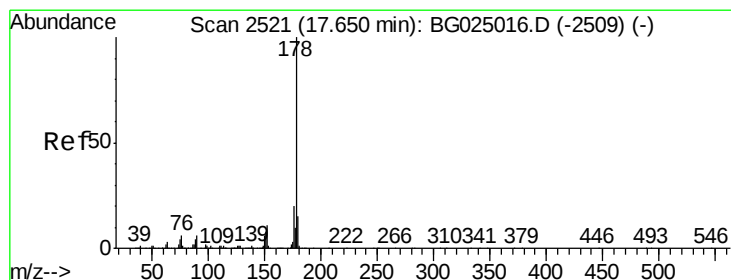
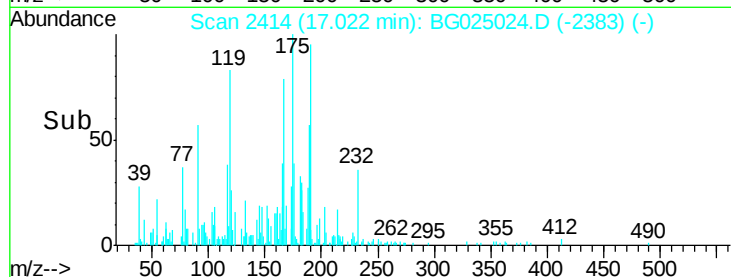
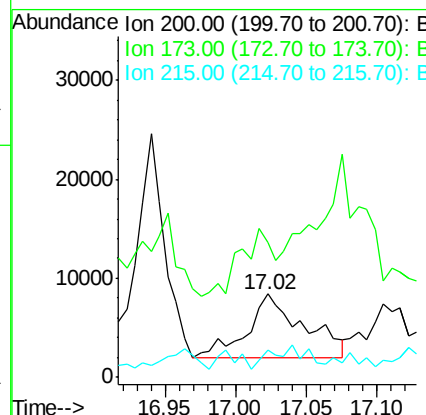
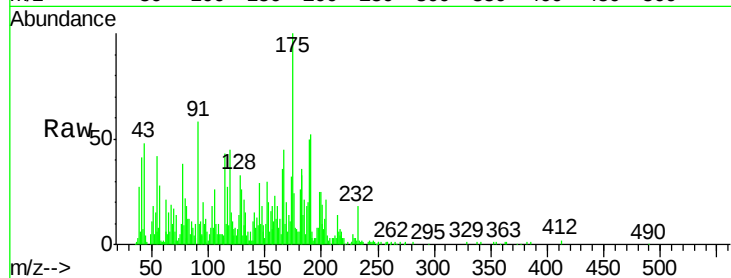




#67
Atrazine
Concen: 2.12 ng/ul
RT: 17.02 min Scan# 2414
Delta R.T. -0.02 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

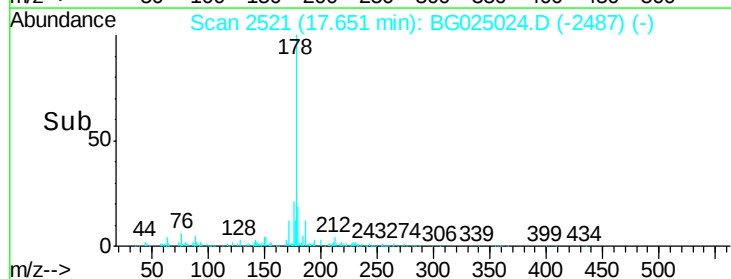
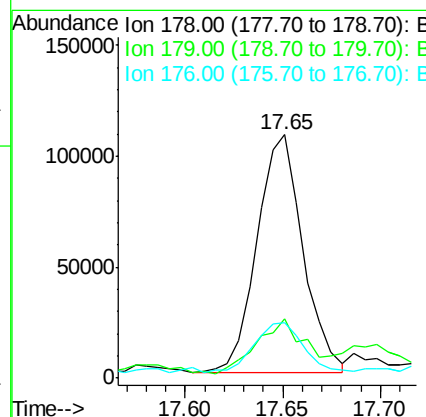
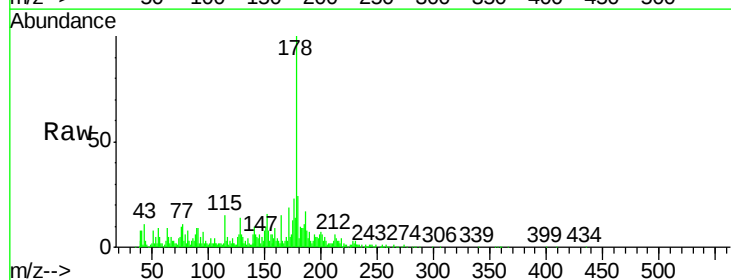
Instrument :
BNA_G
ClientSampleId :
DA7Z8

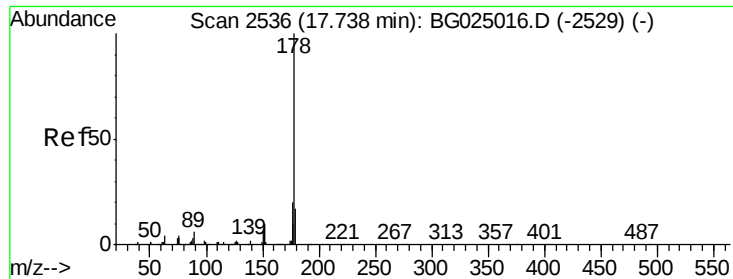
Tgt Ion:200 Resp: 18004
Ion Ratio Lower Upper
200 100
173 161.7 19.2 28.8#
215 32.6 40.3 60.5#



#69
Phenanthrene
Concen: 5.27 ng/ul
RT: 17.65 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BG025024.D
Acq: 9 Dec 2016 2:32

Tgt Ion:178 Resp: 174923
Ion Ratio Lower Upper
178 100
179 24.4 12.4 18.6#
176 22.8 16.5 24.7

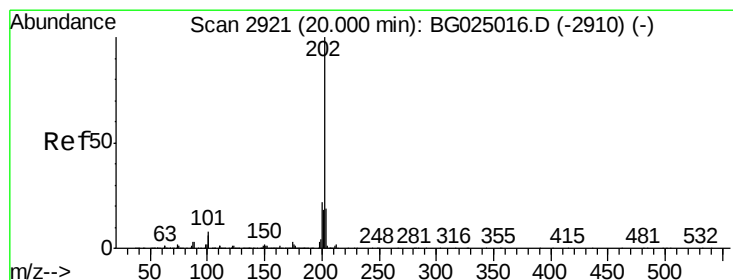
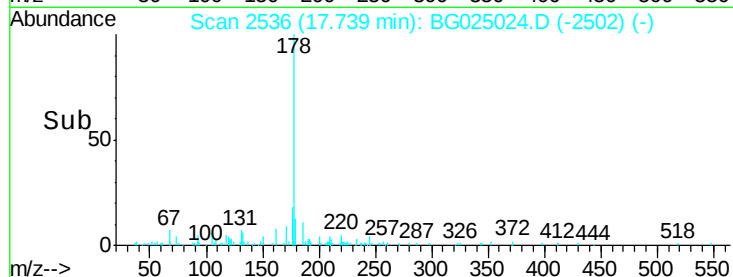
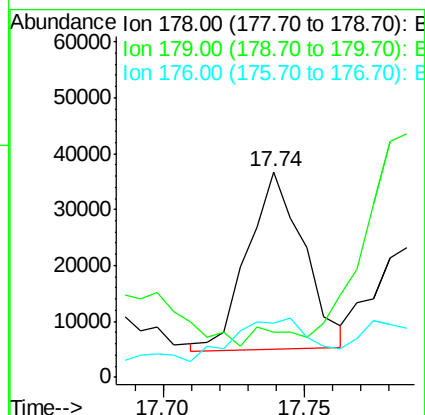
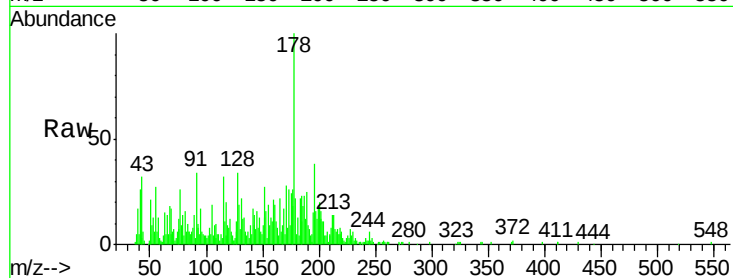




#71
 Anthracene
 Concen: 1.29 ng/ul
 RT: 17.74 min Scan# 2536
 Delta R.T. 0.00 min
 Lab File: BG025024.D
 Acq: 9 Dec 2016 2:32

Instrument :
 BNA_G
 ClientSampleId :
 DA7Z8

Tgt Ion:178 Resp: 43911
 Ion Ratio Lower Upper
 178 100
 179 22.1 12.6 19.0#
 176 26.3 15.9 23.9#



#77
 Pyrene
 Concen: 1.46 ng/ul
 RT: 20.00 min Scan# 2921
 Delta R.T. 0.00 min
 Lab File: BG025024.D
 Acq: 9 Dec 2016 2:32

Tgt Ion:202 Resp: 62427
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.9 10.3
 100 6.4 6.6 10.0#

