

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
 Data File : BG025062.D
 Acq On : 10 Dec 2016 9:03
 Operator : UM/SJ
 Sample : H5863-03DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y2DL

Quant Time: Dec 12 03:16:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 12 03:10:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	112541	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	504407	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	392917	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	740410	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	927905	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	931036	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6661	3.06	ng/uL	-0.02
5) Phenol-d5	7.40	99	31389	3.23	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	23215	3.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	19928	2.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	24592	3.03	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	14364	4.02	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	13213	2.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	28299	3.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	178942	21.26	ng/ul	0.02
43) Dimethylphthalate-d6	14.26	166	103317	3.82	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	120751	4.08	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	14605	3.14	ng/ul	0.03
57) Fluorene-d10	15.85	176	93802	3.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	17801	3.89	ng/ul	0.00
70) Anthracene-d10	17.71	188	125353	4.01	ng/ul	0.00
76) Pyrene-d10	19.98	212	137920	3.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	136986	3.63	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.37	77	19996	2.74	ng/ul#	1
6) Phenol	7.42	94	225717	22.65	ng/ul	96
11) 2-Methylphenol	8.68	108	552513	75.30	ng/ul	97
14) Acetophenone	9.08	105	176338	14.28	ng/ul	95
16) 4-Methylphenol	9.02	108	997640	122.22	ng/ul	91
17) Hexachloroethane	9.35	117	25019	8.27	ng/ul#	1
20) Nitrobenzene	9.52	77	27725	2.53	ng/ul	90
24) 2,4-Dimethylphenol	10.23	107	1433361	138.76	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.51	93	96078	9.08	ng/ul#	1
27) 2,4-Dichlorophenol	10.70	162	55837	6.72	ng/ul#	31
28) Naphthalene	11.13	128	1284963	54.80	ng/ul	98
33) 4-Chloro-3-methylphenol	12.30	107	16315	1.59	ng/ul#	33
34) 2-Methylnaphthalene	12.72	142	2553717	138.01	ng/ul	92
40) 1,1'-Biphenyl	13.71	154	537661	22.57	ng/ul	98
41) 2-Chloronaphthalene	13.79	162	40853	2.15	ng/ul#	88
42) 2-Nitroaniline	13.96	65	9284	1.25	ng/ul#	41
47) Acenaphthylene	14.59	152	53259	1.85	ng/ul#	1
49) Acenaphthene	14.93	153	148139	7.51	ng/ul#	79
52) 4-Nitrophenol	15.08	109	8739	1.56	ng/ul#	31
53) Dibenzofuran	15.26	168	333099	10.68	ng/ul	99
54) 2,4-Dinitrotoluene	15.25	165	26712	3.11	ng/ul#	1
58) Fluorene	15.91	166	334142	13.16	ng/ul#	95
64) N-Nitrosodiphenylamine	16.12	169	87658	4.60	ng/ul#	55

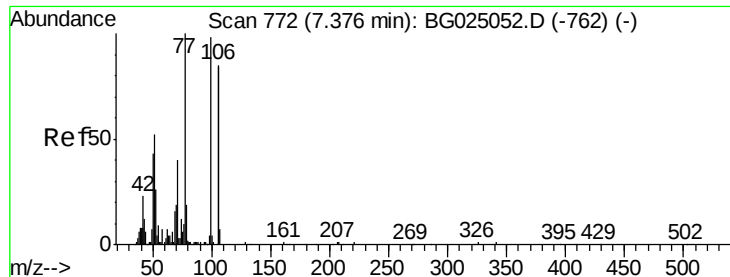
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 03:10:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Atrazine	17.03	200	14210	1.57	ng/ul#	12
69) Phenanthrene	17.65	178	138861	3.93	ng/ul#	92

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



#4

Benzaldehyde

Concen: 2.74 ng/ul

RT: 7.37 min Scan# 771

Delta R.T. -0.01 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

Instrument :

BNA_G

ClientSampleId :

DA7Y2DL

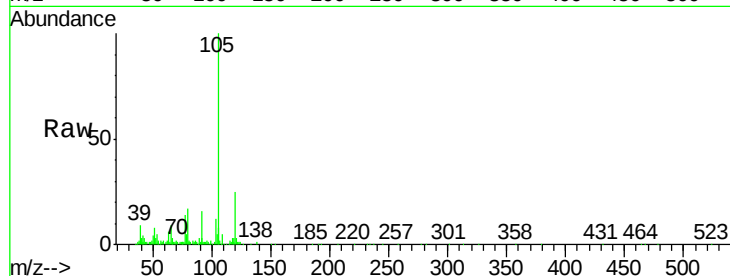
Tgt Ion: 77 Resp: 19996

Ion Ratio Lower Upper

77 100

105 694.1 62.0 93.0#

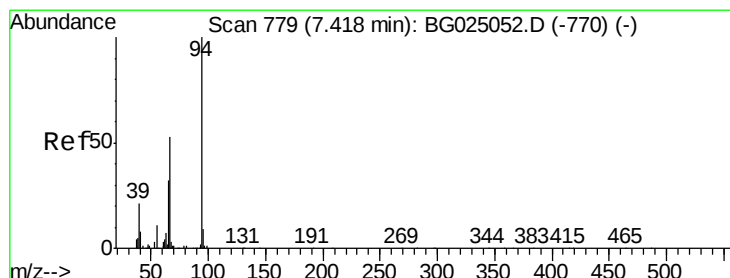
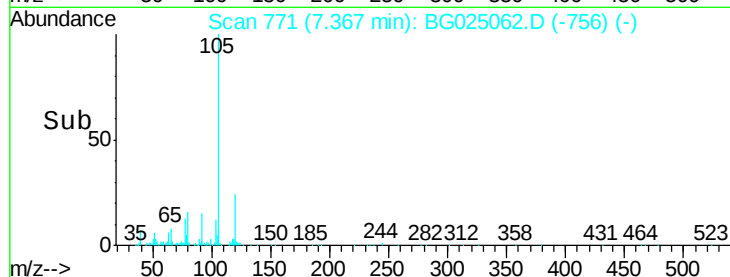
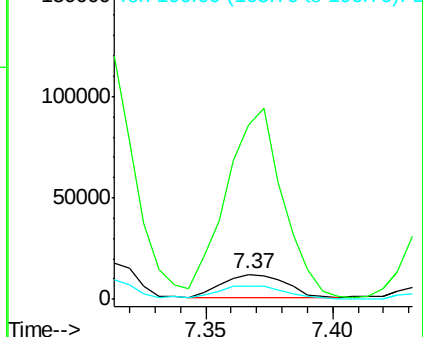
106 52.5 60.2 90.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 22.65 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

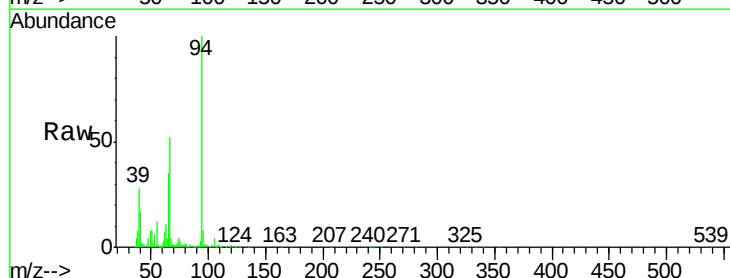
Tgt Ion: 94 Resp: 225717

Ion Ratio Lower Upper

94 100

65 35.2 26.8 40.2

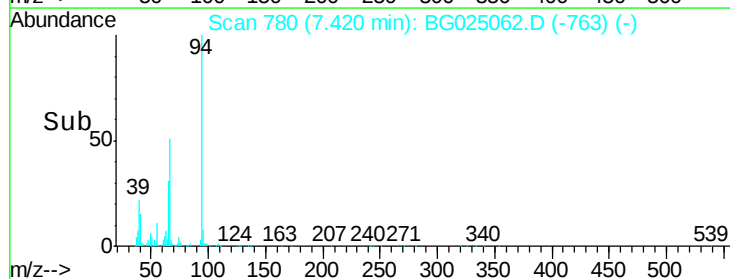
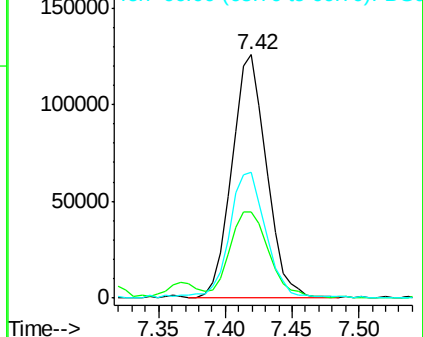
66 51.7 44.4 66.6

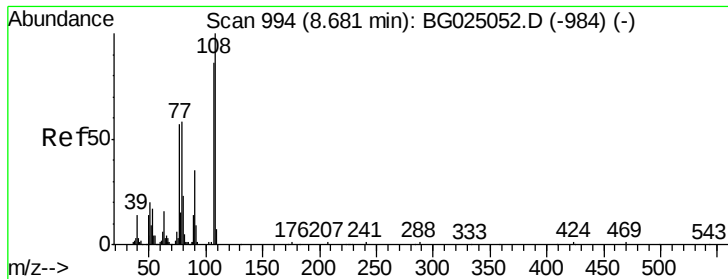


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

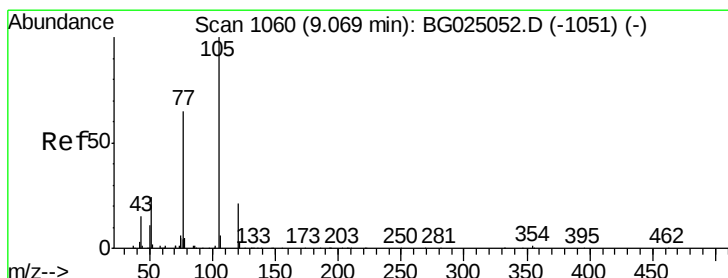
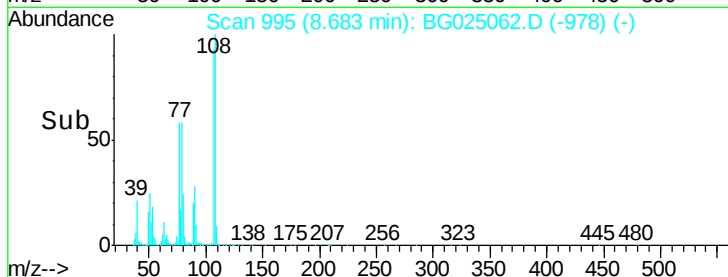
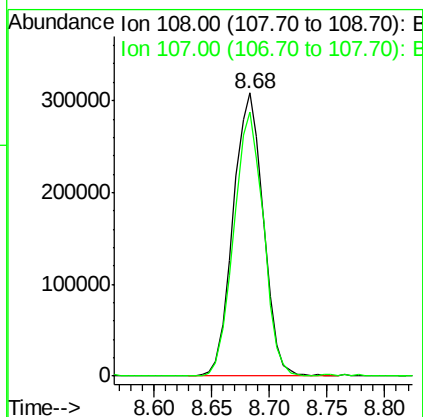
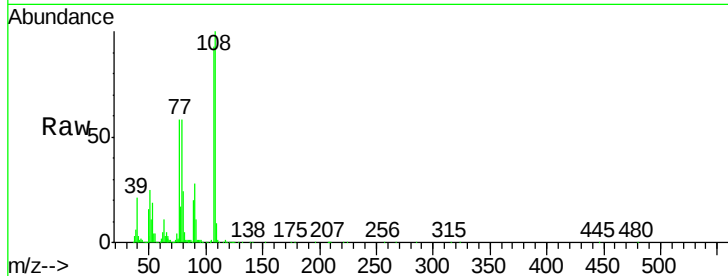




#11
2-Methylphenol
Concen: 75.30 ng/ul
RT: 8.68 min Scan# 995
Delta R.T. 0.00 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

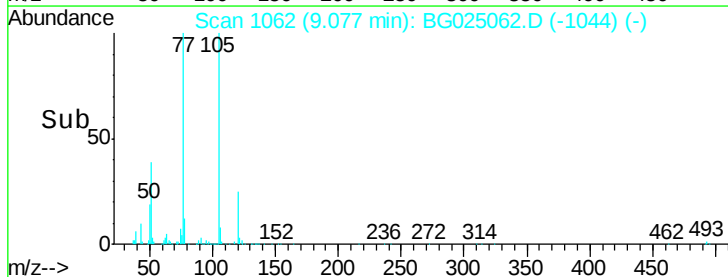
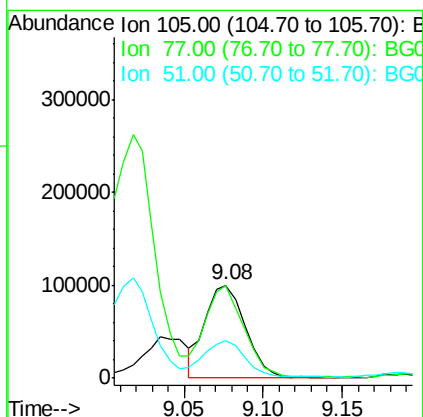
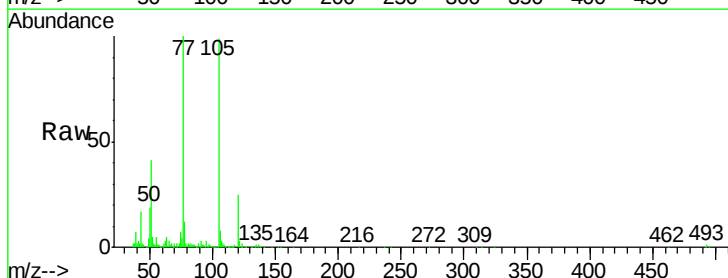
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

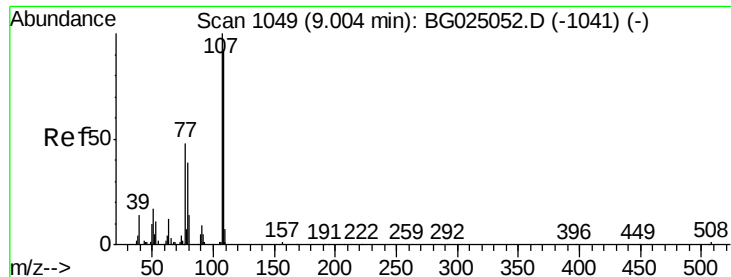
Tgt Ion:108 Resp: 552513
Ion Ratio Lower Upper
108 100
107 93.4 76.7 115.1



#14
Acetophenone
Concen: 14.28 ng/ul
RT: 9.08 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion:105 Resp: 176338
Ion Ratio Lower Upper
105 100
77 100.6 76.0 114.0
51 41.0 34.8 52.2

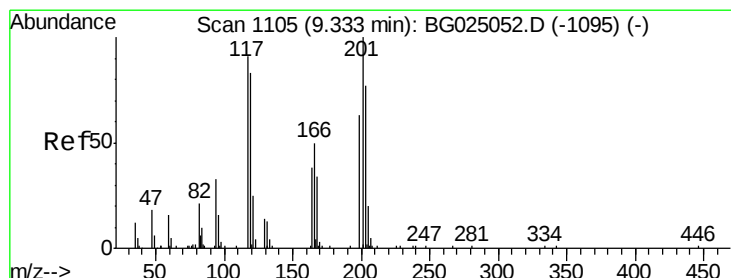
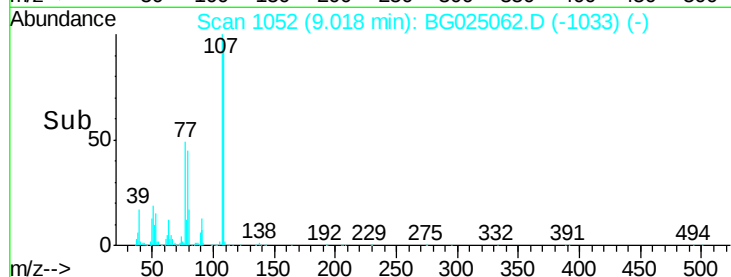
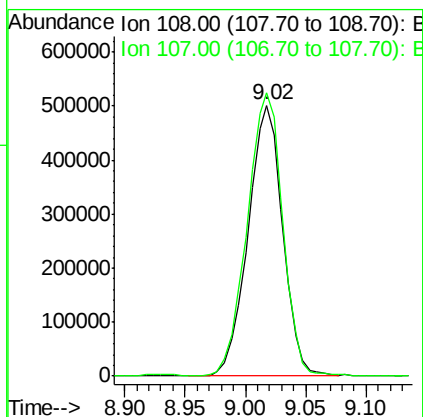
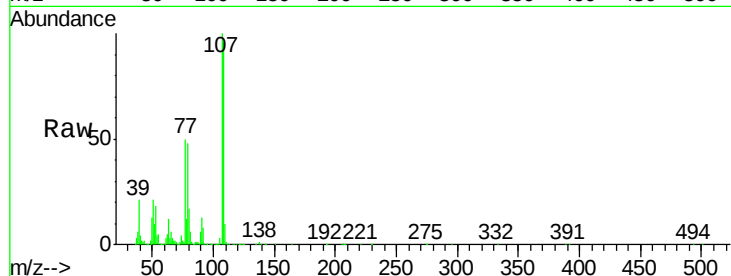




#16
4-Methylphenol
Concen: 122.22 ng/ul
RT: 9.02 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

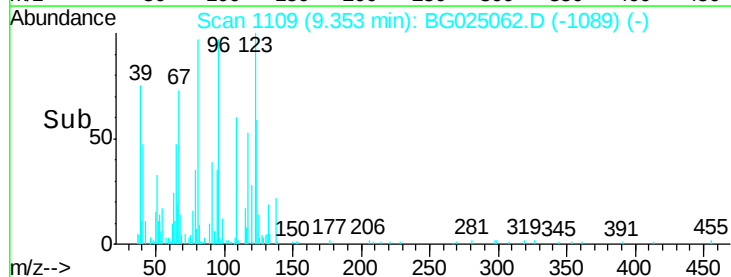
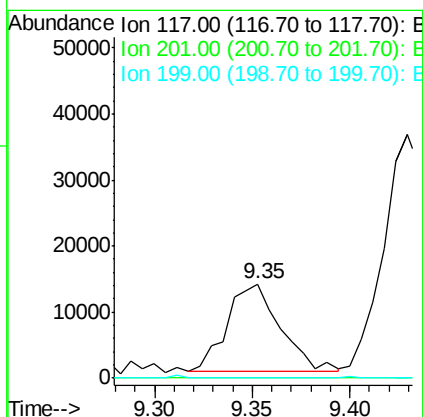
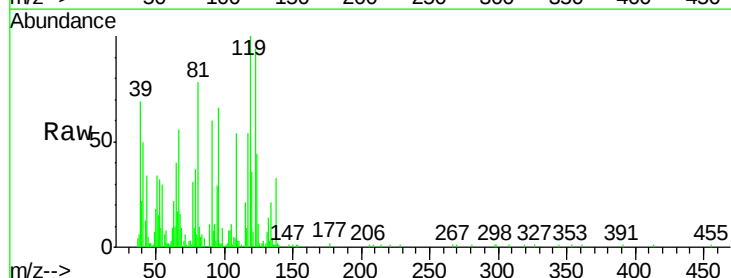
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

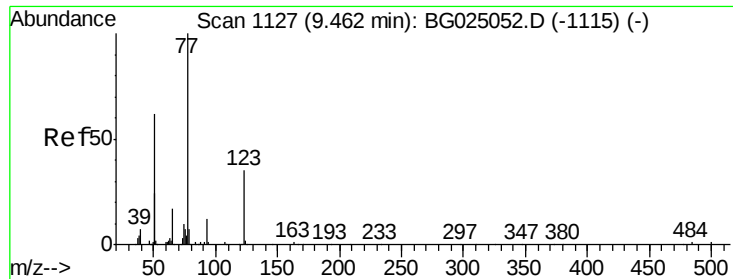
Tgt Ion:108 Resp: 997640
Ion Ratio Lower Upper
108 100
107 104.6 91.7 137.5



#17
Hexachloroethane
Concen: 8.27 ng/ul
RT: 9.35 min Scan# 1109
Delta R.T. 0.02 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion:117 Resp: 25019
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#

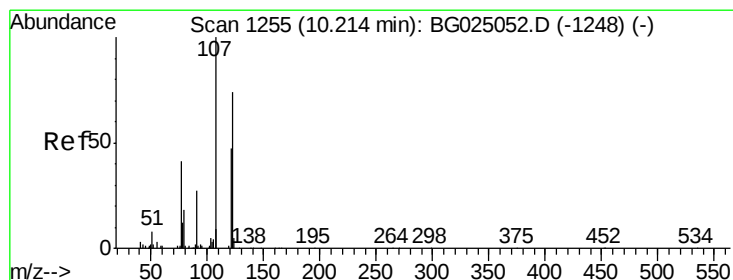
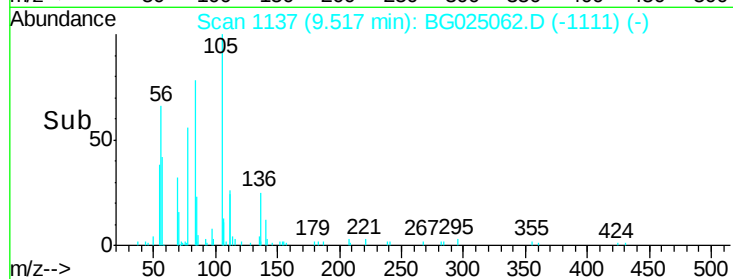
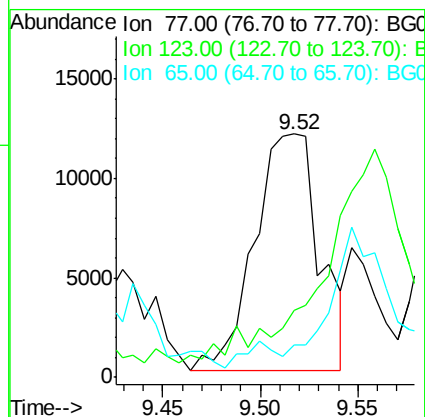
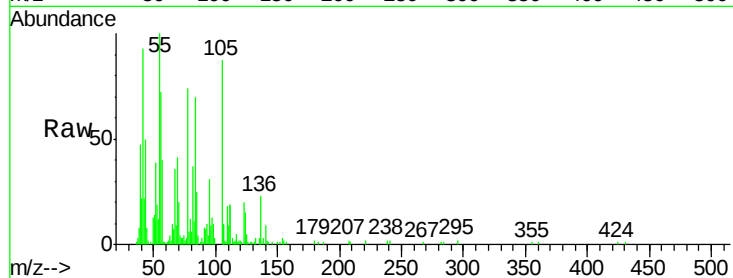




#20
 Nitrobenzene
 Concen: 2.53 ng/ul
 RT: 9.52 min Scan# 1137
 Delta R.T. 0.05 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

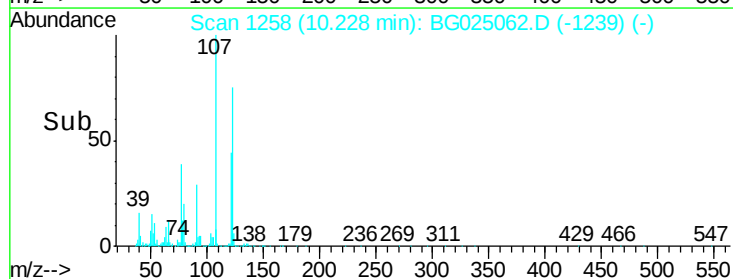
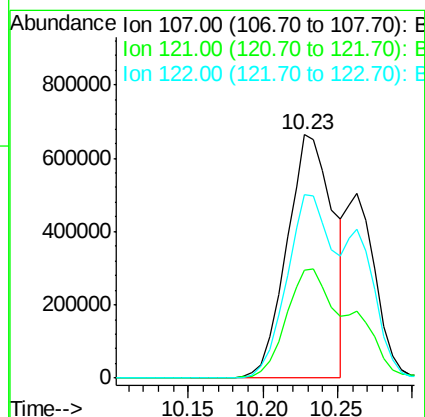
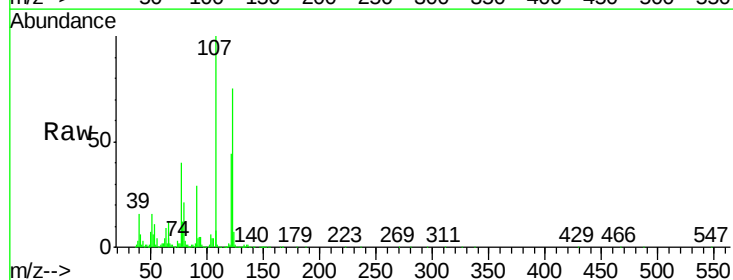
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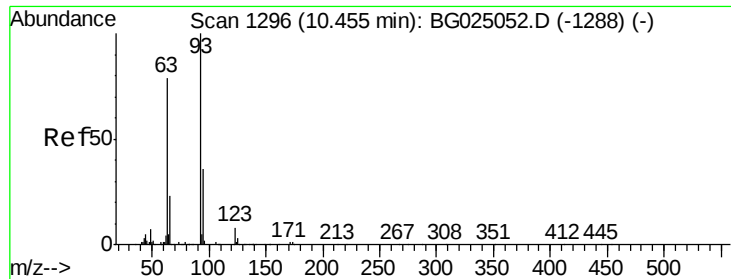
Tgt Ion: 77 Resp: 27725
 Ion Ratio Lower Upper
 77 100
 123 27.5 27.4 41.0
 65 13.4 13.3 19.9



#24
 2,4-Dimethylphenol
 Concen: 138.76 ng/ul
 RT: 10.23 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

Tgt Ion: 107 Resp: 1433361
 Ion Ratio Lower Upper
 107 100
 121 44.1 32.3 48.5
 122 75.3 61.2 91.8

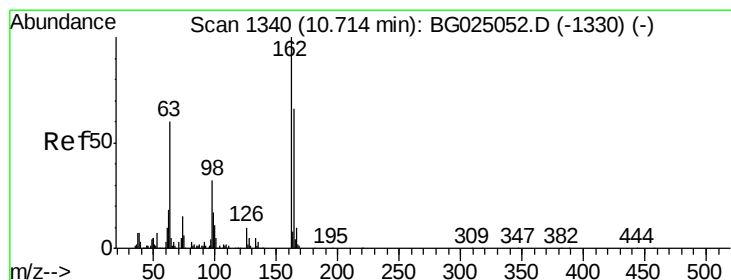
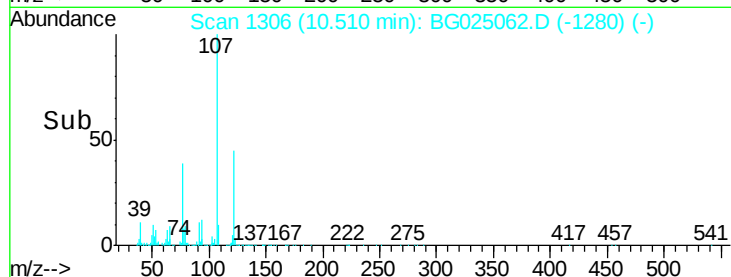
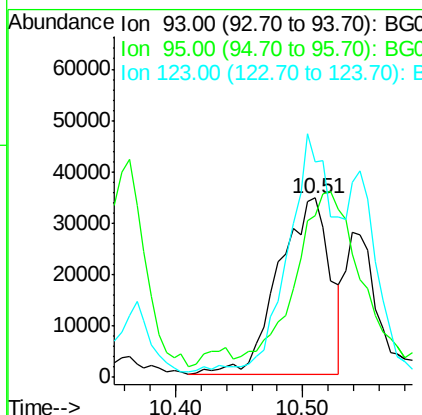
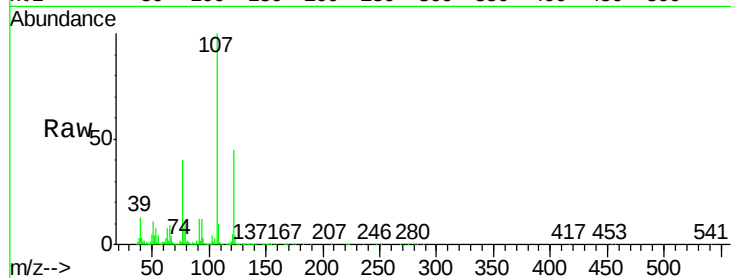




#25
 Bis(2-Chloroethoxy)methane
 Concen: 9.08 ng/ul
 RT: 10.51 min Scan# 1306
 Delta R.T. 0.05 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

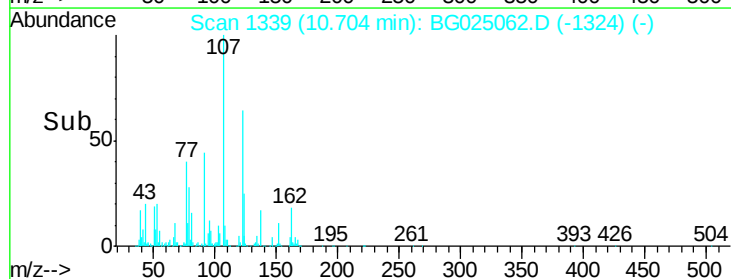
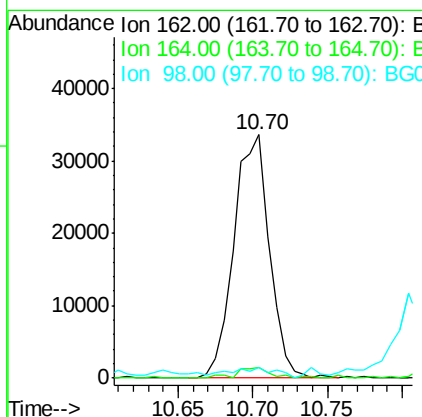
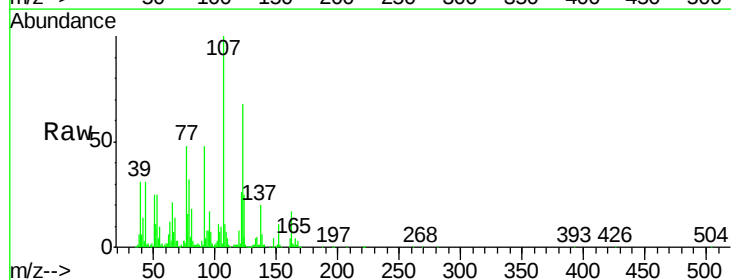
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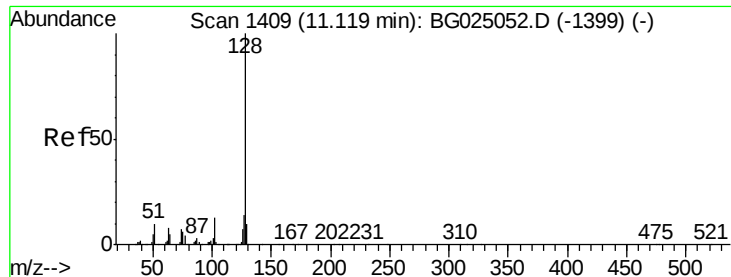
Tgt Ion: 93 Resp: 96078
 Ion Ratio Lower Upper
 93 100
 95 90.4 23.4 35.0#
 123 120.6 7.8 11.6#



#27
 2,4-Dichlorophenol
 Concen: 6.72 ng/ul
 RT: 10.70 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

Tgt Ion: 162 Resp: 55837
 Ion Ratio Lower Upper
 162 100
 164 4.2 50.8 76.2#
 98 4.4 32.1 48.1#

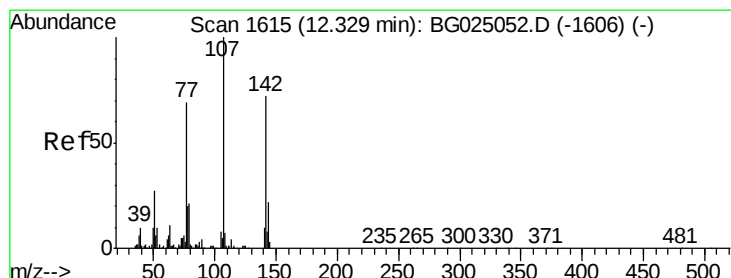
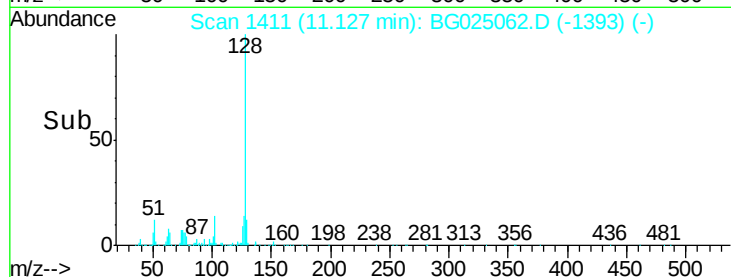
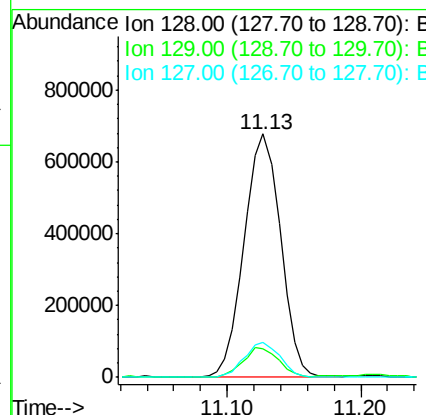
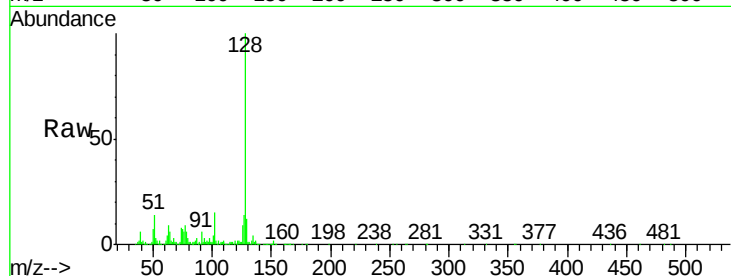




#28
Naphthalene
Concen: 54.80 ng/ul
RT: 11.13 min Scan# 1411
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

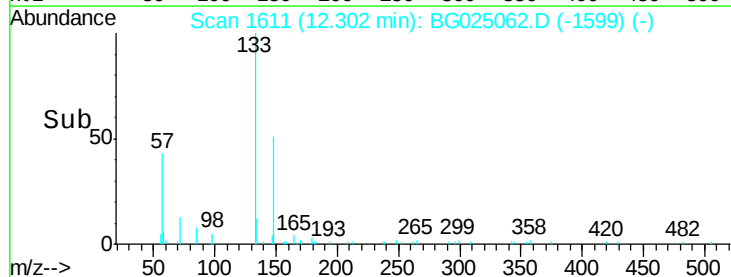
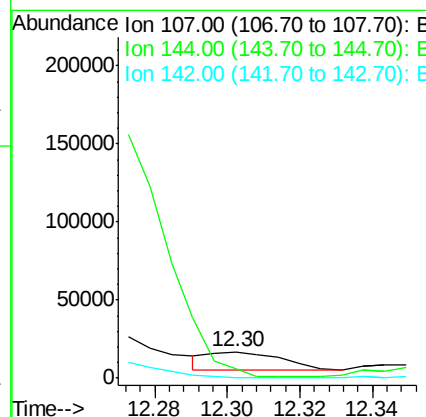
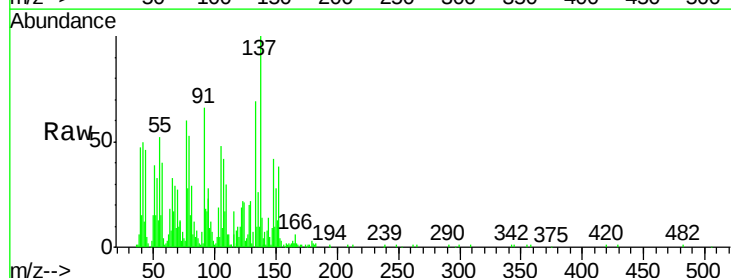
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

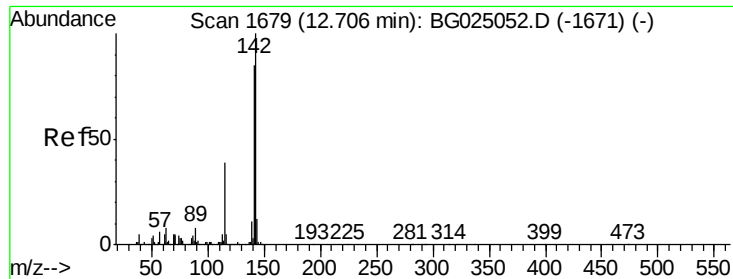
Tgt Ion:128 Resp: 1284963
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 14.5 10.3 15.5



#33
4-Chloro-3-methylphenol
Concen: 1.59 ng/ul
RT: 12.30 min Scan# 1611
Delta R.T. -0.03 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion:107 Resp: 16315
Ion Ratio Lower Upper
107 100
144 34.1 18.2 27.4#
142 3.0 55.0 82.4#

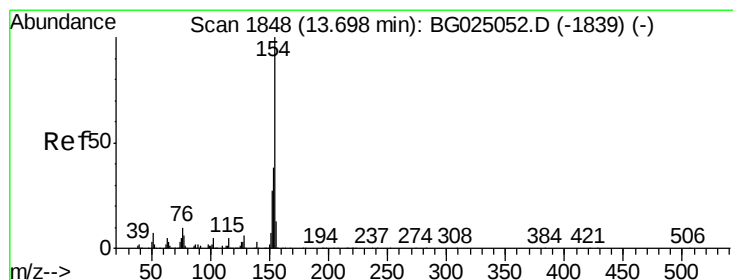
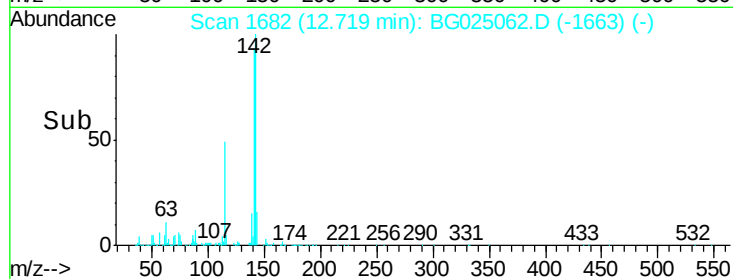
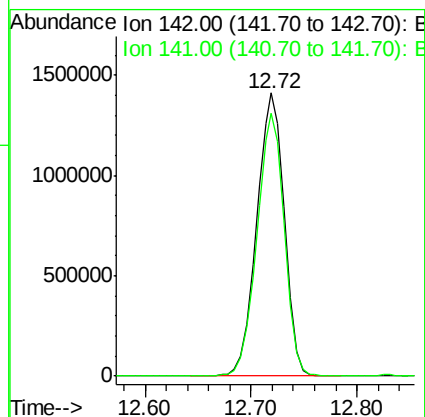
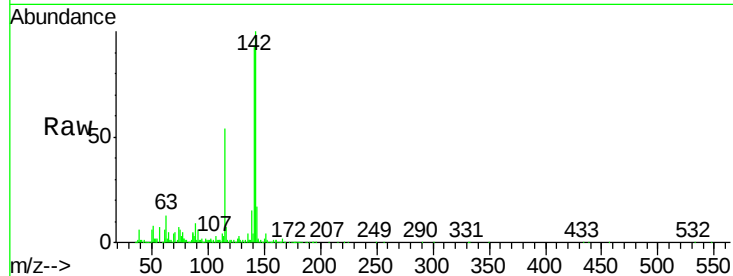




#34
 2-Methylnaphthalene
 Concen: 138.01 ng/ul
 RT: 12.72 min Scan# 1682
 Delta R.T. 0.01 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

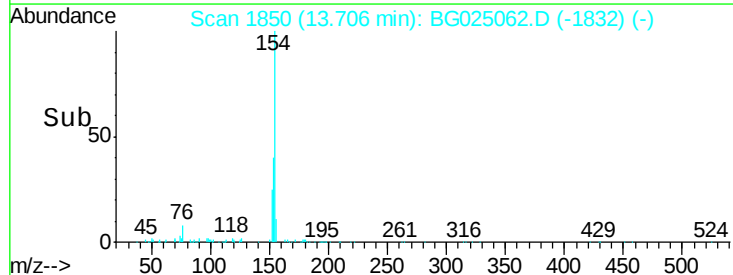
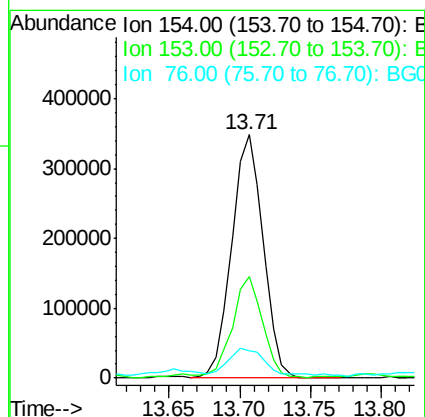
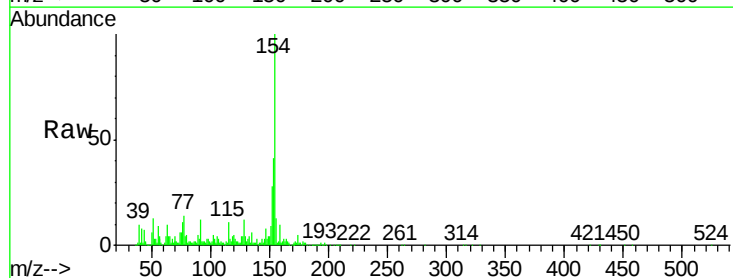
Instrument :
 BNA_G
 ClientSampleId :
 DA7Y2DL

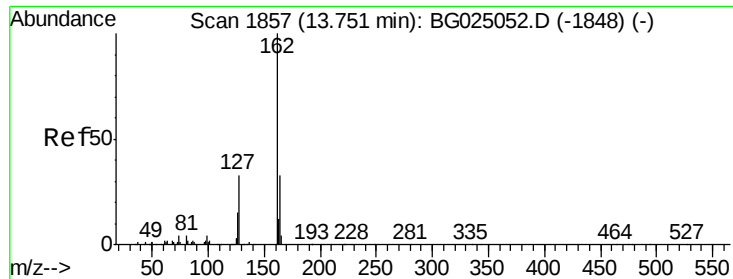
Tgt Ion:142 Resp: 2553717
 Ion Ratio Lower Upper
 142 100
 141 92.9 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 22.57 ng/ul
 RT: 13.71 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: BG025062.D
 Acq: 10 Dec 2016 9:03

Tgt Ion:154 Resp: 537661
 Ion Ratio Lower Upper
 154 100
 153 41.5 32.2 48.2
 76 11.4 9.6 14.4

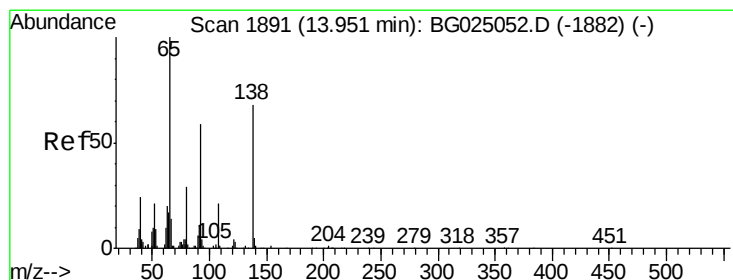
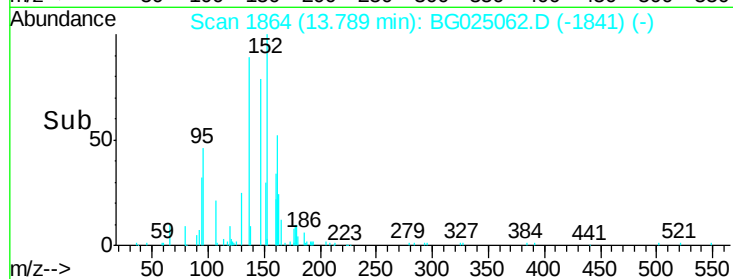
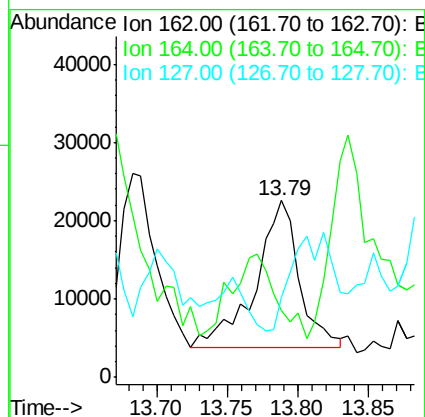
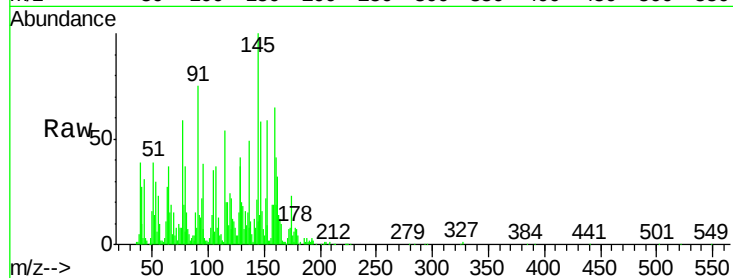




#41
2-Chloronaphthalene
Concen: 2.15 ng/ul
RT: 13.79 min Scan# 1864
Delta R.T. 0.04 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

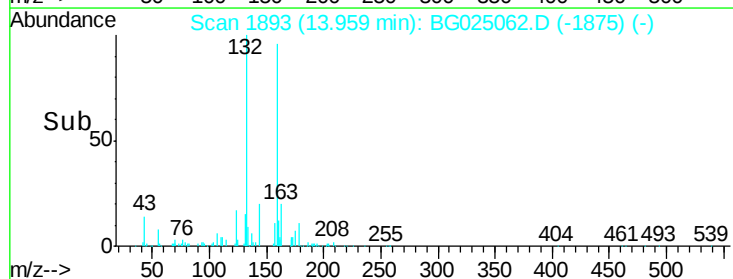
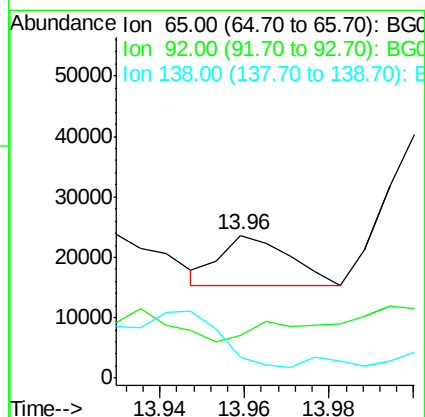
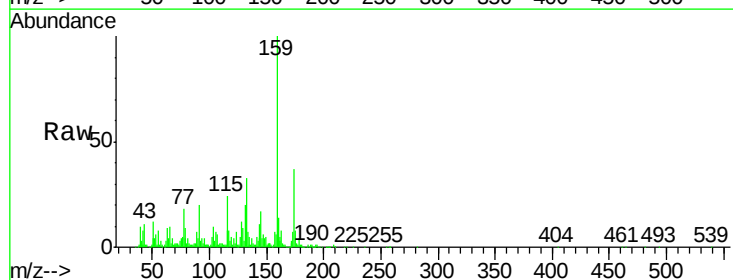
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

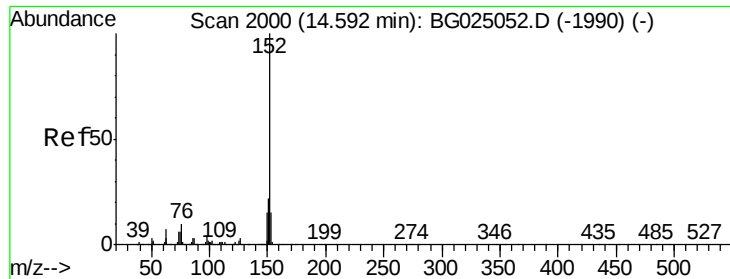
Tgt Ion: 162 Resp: 40853
Ion Ratio Lower Upper
162 100
164 37.8 25.0 37.6#
127 45.3 30.7 46.1



#42
2-Nitroaniline
Concen: 1.25 ng/ul
RT: 13.96 min Scan# 1893
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion: 65 Resp: 9284
Ion Ratio Lower Upper
65 100
92 29.8 50.9 76.3#
138 15.0 61.8 92.6#

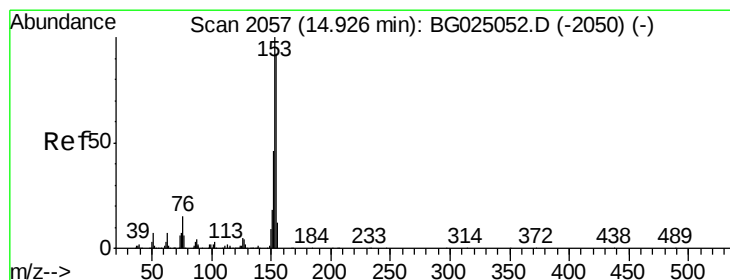
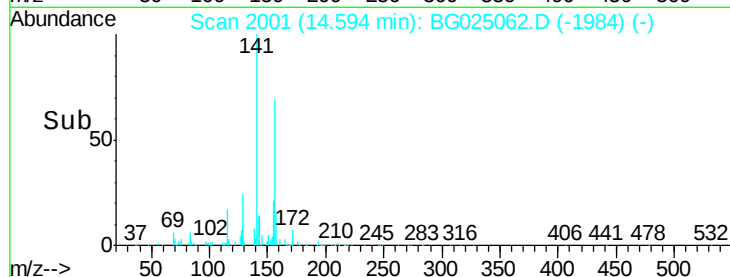
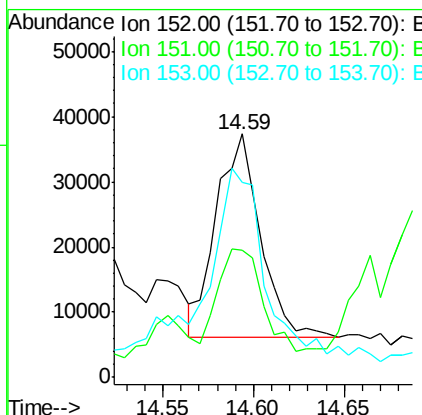
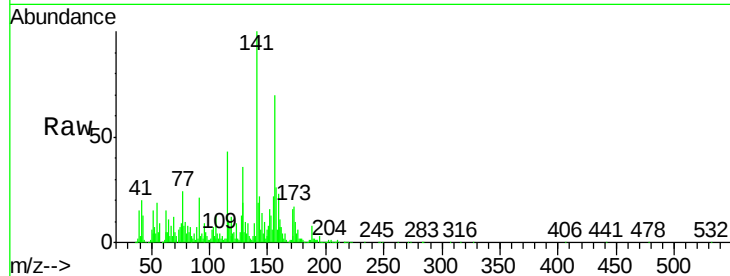




#47
Acenaphthylene
Concen: 1.85 ng/ul
RT: 14.59 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

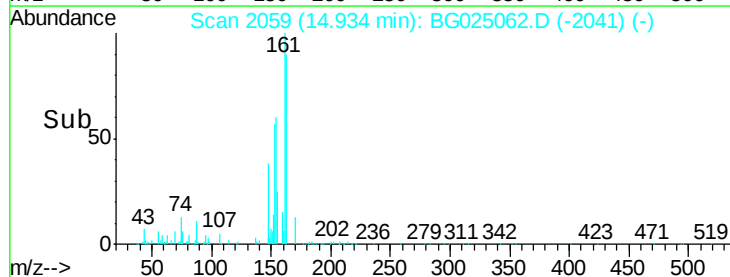
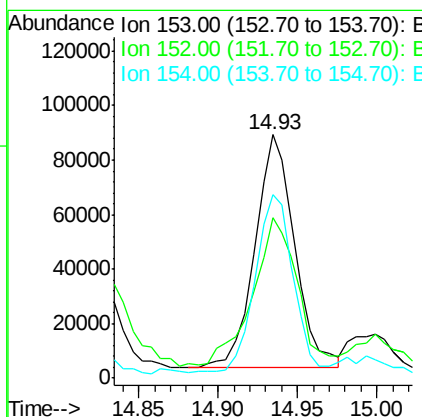
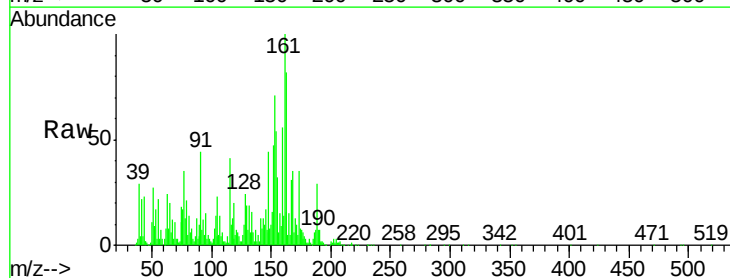
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

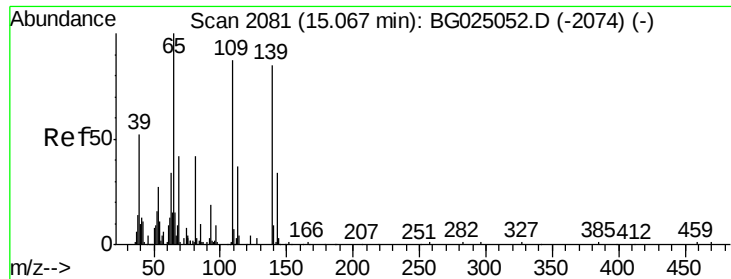
Tgt Ion	Ratio	Lower	Upper
152	100		
151	52.1	16.7	25.1#
153	79.9	11.4	17.2#



#49
Acenaphthene
Concen: 7.51 ng/ul
RT: 14.93 min Scan# 2059
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion	Ratio	Lower	Upper
153	100		
152	65.9	36.5	54.7#
154	75.6	72.3	108.5

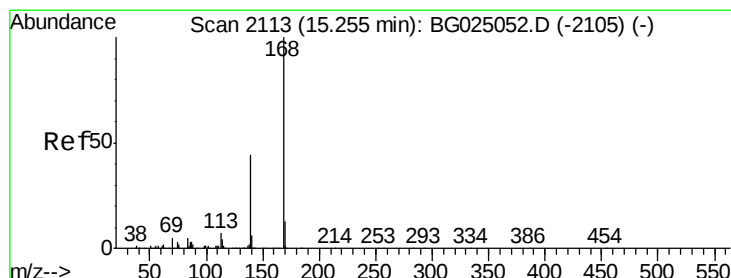
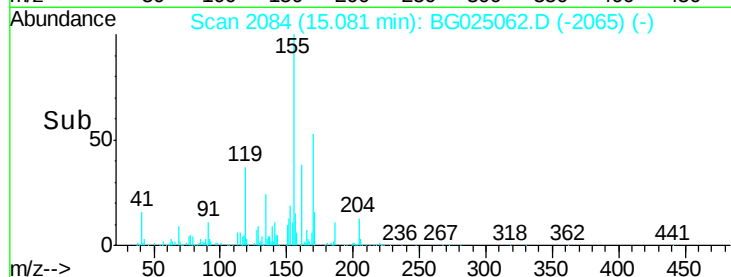
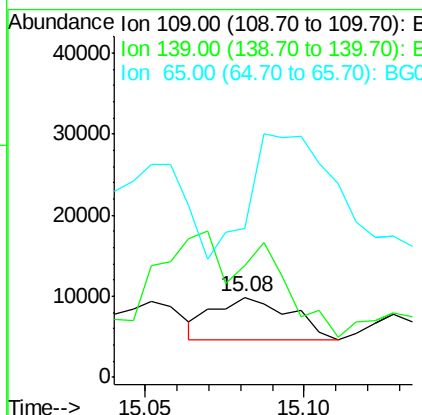
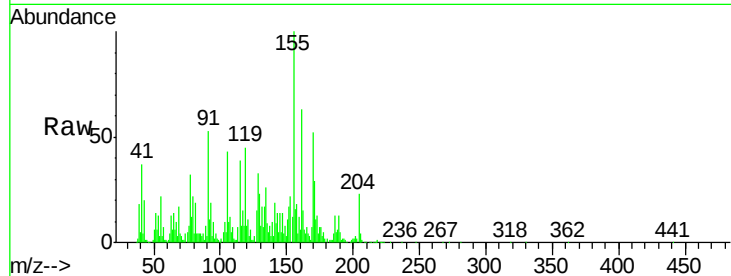




#52
4-Nitrophenol
Concen: 1.56 ng/ul
RT: 15.08 min Scan# 2084
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

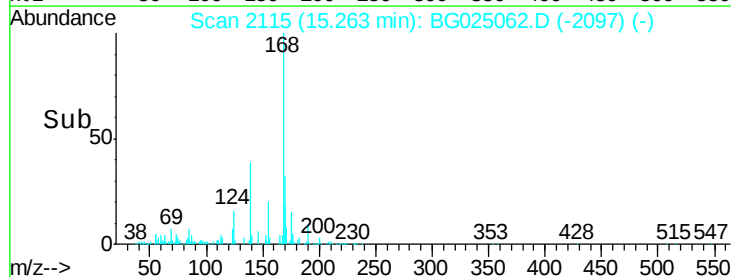
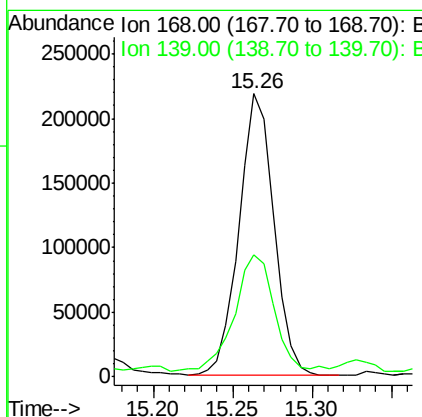
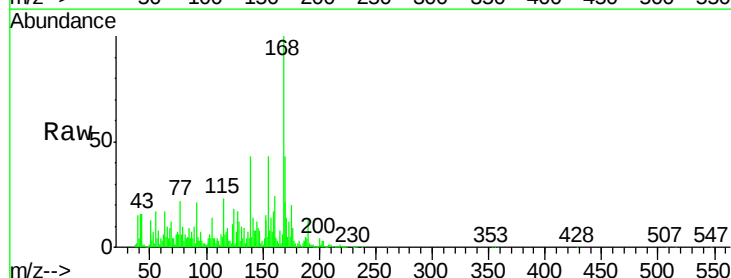
Instrument :
BNA_G
ClientSampleId :
DA7Y2DL

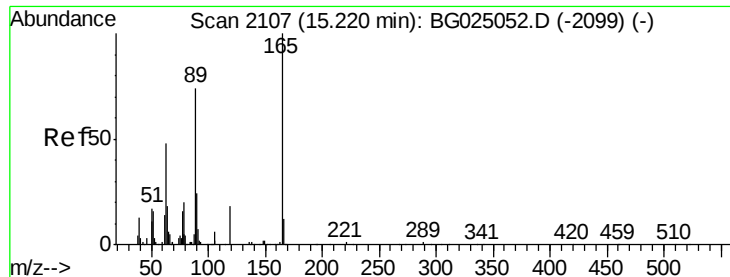
Tgt Ion:109 Resp: 8739
Ion Ratio Lower Upper
109 100
139 138.8 62.6 93.8#
65 186.3 90.4 135.6#



#53
Dibenzofuran
Concen: 10.68 ng/ul
RT: 15.26 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BG025062.D
Acq: 10 Dec 2016 9:03

Tgt Ion:168 Resp: 333099
Ion Ratio Lower Upper
168 100
139 43.1 33.8 50.8





#54

2,4-Dinitrotoluene

Concen: 3.11 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.03 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

Instrument :

BNA_G

ClientSampleId :

DA7Y2DL

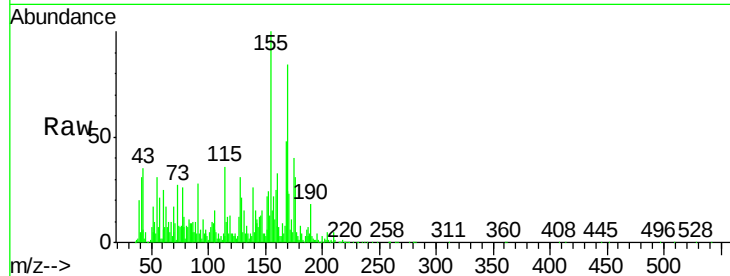
Tgt Ion:165 Resp: 26712

Ion Ratio Lower Upper

165 100

63 186.5 46.8 70.2#

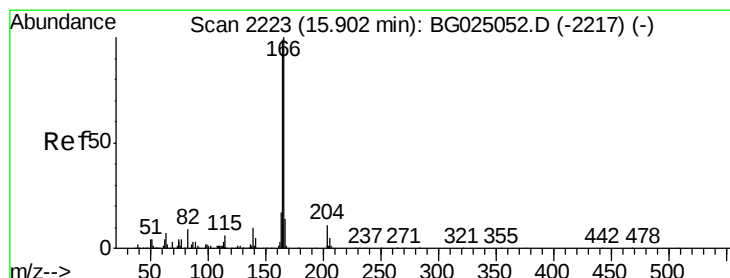
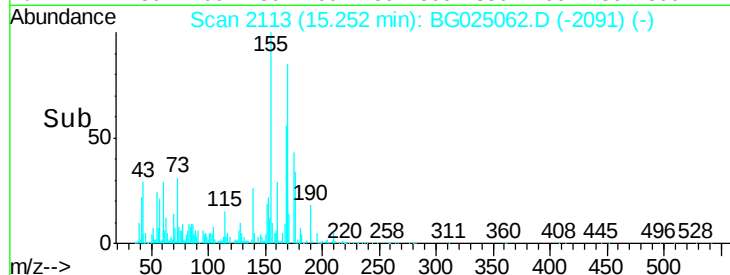
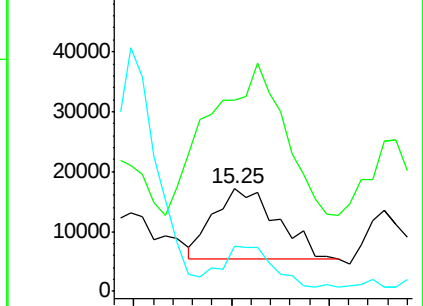
182 43.7 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 13.16 ng/ul

RT: 15.91 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

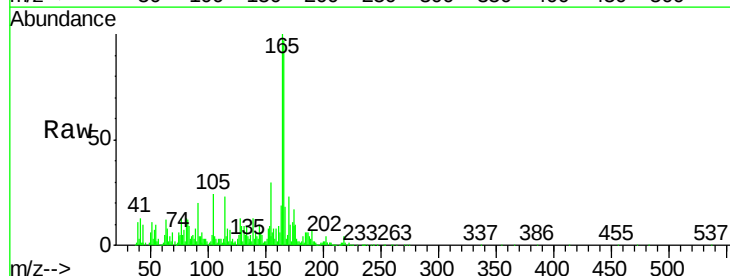
Tgt Ion:166 Resp: 334142

Ion Ratio Lower Upper

166 100

165 103.5 79.7 119.5

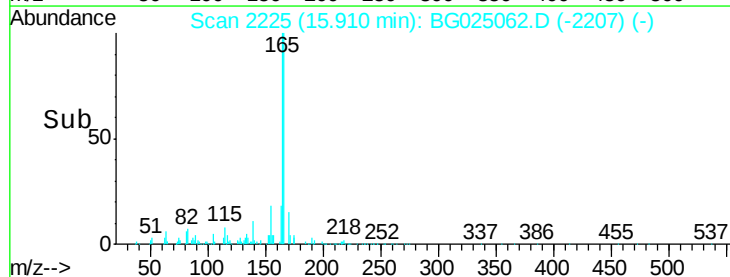
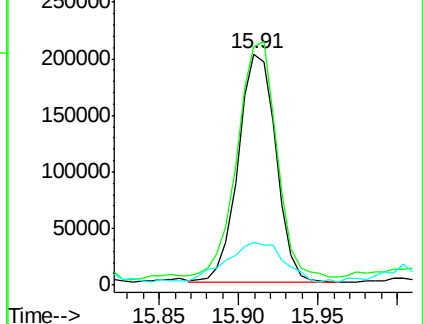
167 18.7 11.4 17.2#

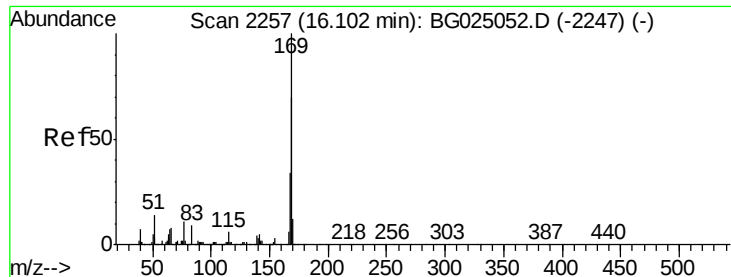


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 4.60 ng/ul

RT: 16.12 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

Instrument :

BNA_G

ClientSampleId :

DA7Y2DL

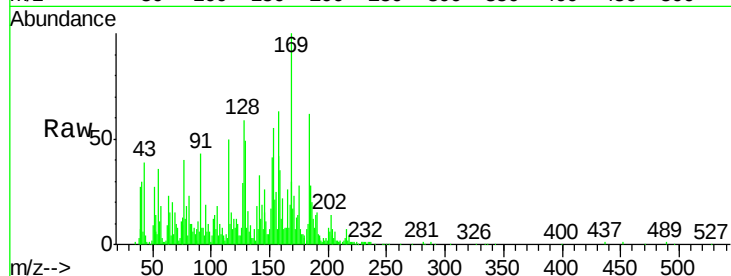
Tgt Ion:169 Resp: 87658

Ion Ratio Lower Upper

169 100

168 29.8 59.1 88.7#

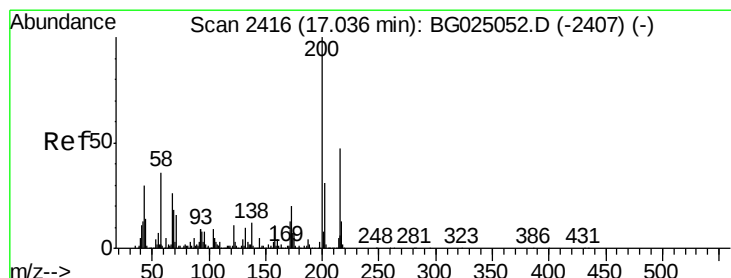
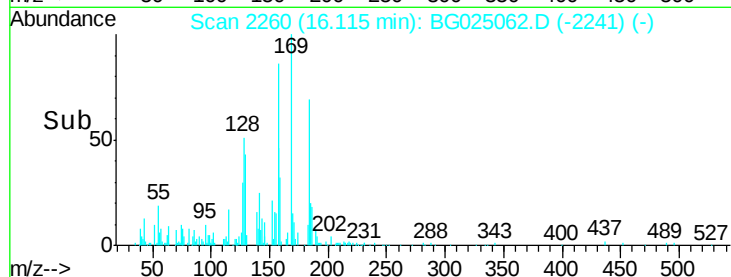
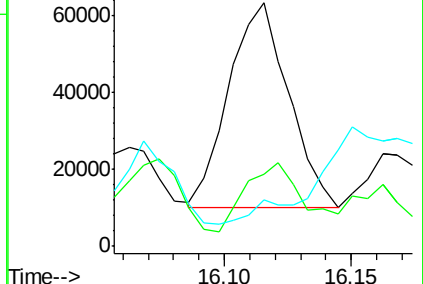
167 19.0 29.7 44.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

Atrazine

Concen: 1.57 ng/ul

RT: 17.03 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG025062.D

Acq: 10 Dec 2016 9:03

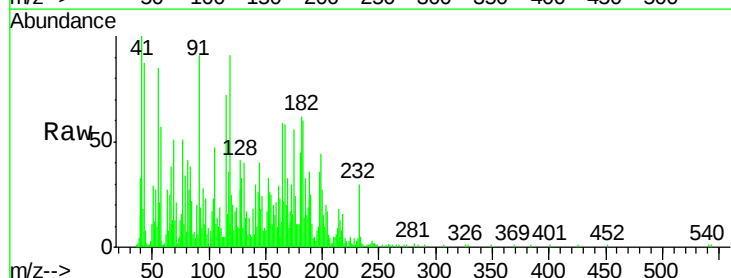
Tgt Ion:200 Resp: 14210

Ion Ratio Lower Upper

200 100

173 112.7 19.2 28.8#

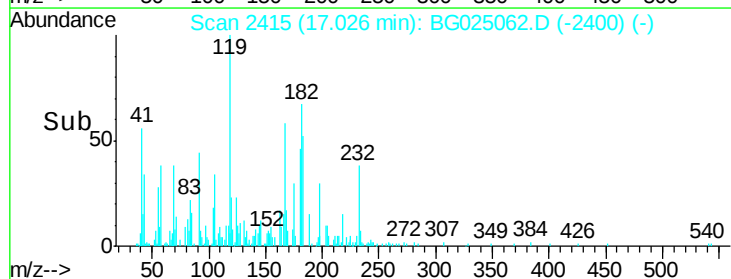
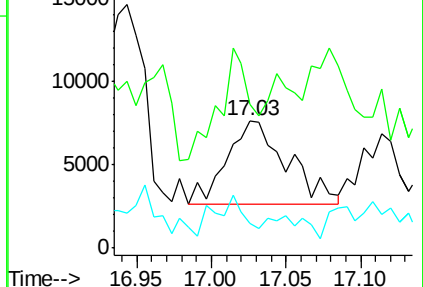
215 19.6 40.3 60.5#

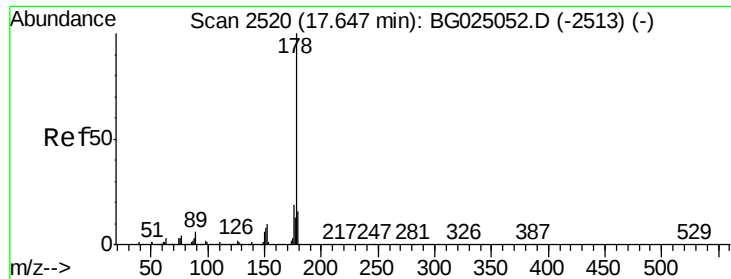


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Phenanthrene

Concen: 3.93 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BG025062.D

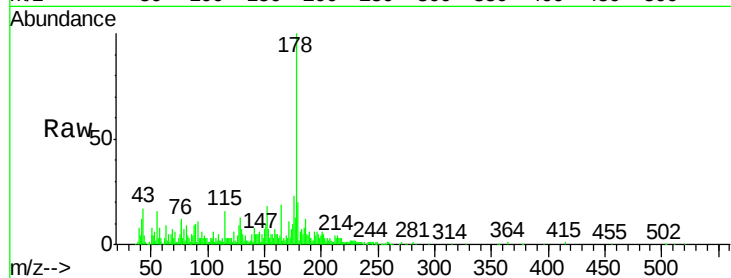
Acq: 10 Dec 2016 9:03

Instrument :

BNA_G

ClientSampleId :

DA7Y2DL



Tgt Ion:	178	Resp:	138861
Ion	Ratio	Lower	Upper
178	100		
179	20.0	12.4	18.6#
176	23.3	16.5	24.7

