

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025665.D
 Acq On : 26 Jan 2017 13:55
 Operator : SJ/MA
 Sample : I1387-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA9R8

Quant Time: Jan 27 03:36:57 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 27 03:32:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	79009	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	380372	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	286131	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.58	188	562950	20.00	ng/ul	0.03
75) Chrysene-d12	21.86	240	659658	20.00	ng/ul	0.00
83) Perylene-d12	25.25	264	617471	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.55	96	83	0.05	ng/uL	0.03
5) Phenol-d5	7.38	99	46416	6.85	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.50	67	163416	37.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	134539	28.17	ng/ul	0.01
13) 4-Methylphenol-d8	8.92	113	94367	16.39	ng/ul	0.02
19) Nitrobenzene-d5	9.12	128	403	0.15	ng/ul	-0.24
22) 2-Nitrophenol-d4	10.09	143	165094	51.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.66	165	187484	29.54	ng/ul	0.02
29) 4-Chloroaniline-d4	11.15	131	1865	0.26	ng/ul	0.00
43) Dimethylphthalate-d6	14.21	166	472991	23.41	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	750972	34.41	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	31200	11.27	ng/ul	0.05
57) Fluorene-d10	15.80	176	602123	31.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	6287922	1810.83	ng/ul	0.04
70) Anthracene-d10	17.68	188	845130	35.26	ng/ul	0.03
76) Pyrene-d10	19.94	212	982427	35.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.02	264	930926	35.87	ng/ul	0.01
Target Compounds						
4) Benzaldehyde	7.29	77	7304	1.57	ng/ul#	1
14) Acetophenone	9.02	105	35288	3.93	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.97	70	8572	1.59	ng/ul#	1
17) Hexachloroethane	9.28	117	14510	6.59	ng/ul#	1
21) Isophorone	9.92	82	502072	30.97	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.42	93	18257	2.23	ng/ul#	60
28) Naphthalene	11.07	128	5967416	339.81	ng/ul#	65
32) Caprolactam	11.94	113	3660	1.41	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.30	107	33557	4.48	ng/ul#	42
34) 2-Methylnaphthalene	12.65	142	1556289	108.55	ng/ul	93
38) 2,4,6-Trichlorophenol	13.27	196	6835	1.31	ng/ul	88
39) 2,4,5-Trichlorophenol	13.35	196	672605	122.96	ng/ul	98
40) 1,1'-Biphenyl	13.64	154	277003	15.62	ng/ul	98
47) Acenaphthylene	14.54	152	429652	20.22	ng/ul	98
48) 3-Nitroaniline	14.75	138	24131	6.52	ng/ul#	15
49) Acenaphthene	14.88	153	388222	25.64	ng/ul	95
52) 4-Nitrophenol	15.07	109	127414	33.22	ng/ul#	18
53) Dibenzofuran	15.21	168	786898	33.82	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.42	232	3403857	588.10	ng/ul	96
58) Fluorene	15.86	166	416095	21.90	ng/ul#	94
63) 4,6-Dinitro-2-methylphenol	15.99	198	11928908	3332.46	ng/ul#	57
68) Pentachlorophenol	17.30	266	15999476	5180.56	ng/ul#	64
69) Phenanthrene	17.63	178	1066531	38.97	ng/ul	97

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Response via : Initial Calibration

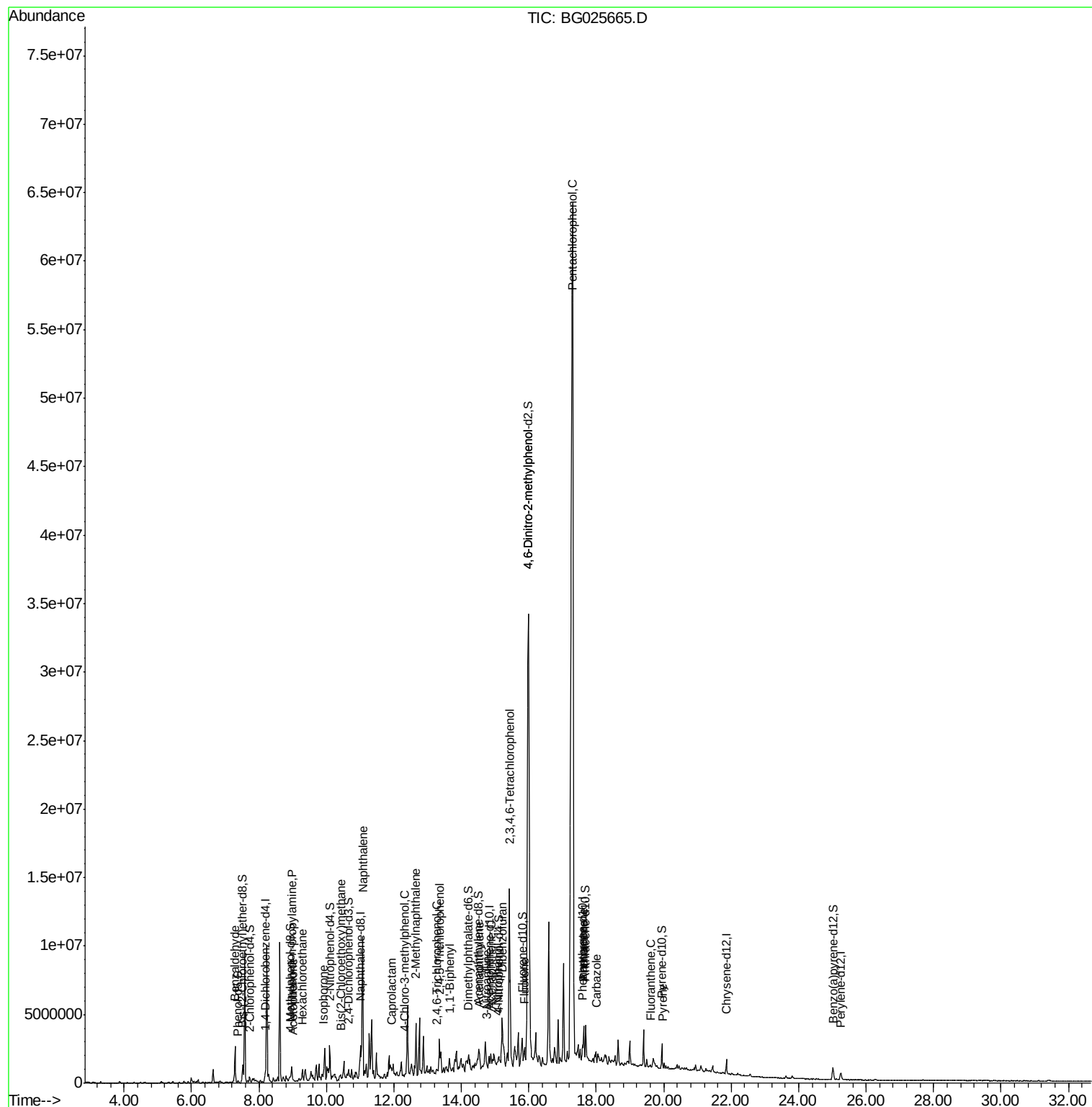
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.63	178	1066531	38.77	ng/ul	96
72) Carbazole	17.99	167	411111	18.02	ng/ul#	92
74) Fluoranthene	19.61	202	98402	3.05	ng/ul#	90
77) Pyrene	19.97	202	59746	1.84	ng/ul#	88

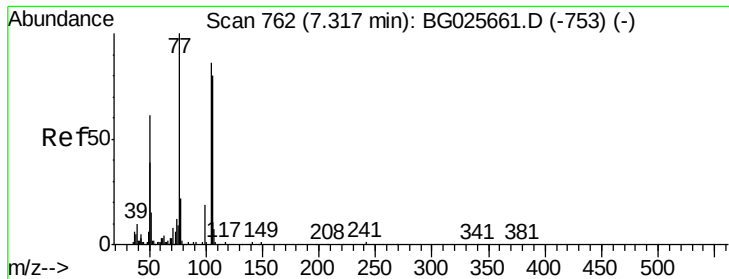
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.57 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. -0.03 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

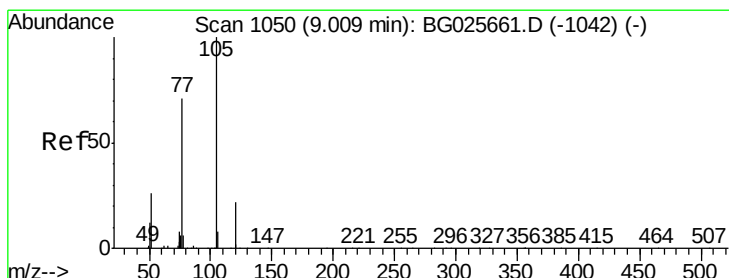
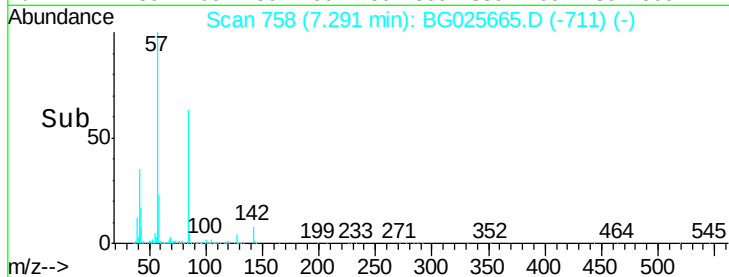
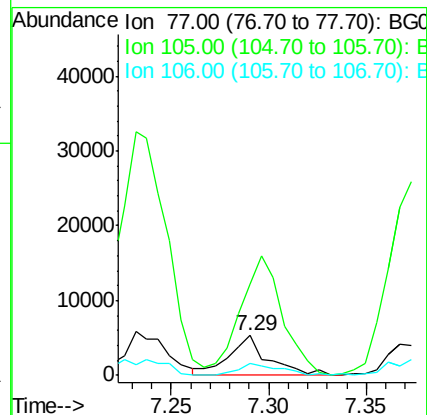
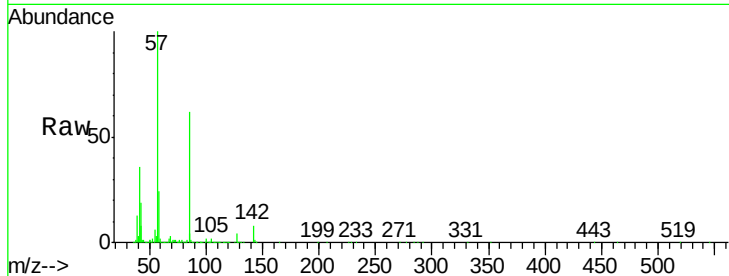
Tgt Ion: 77 Resp: 7304

Ion Ratio Lower Upper

77 100

105 229.9 62.0 93.0#

106 30.9 60.2 90.4#



#14

Acetophenone

Concen: 3.93 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

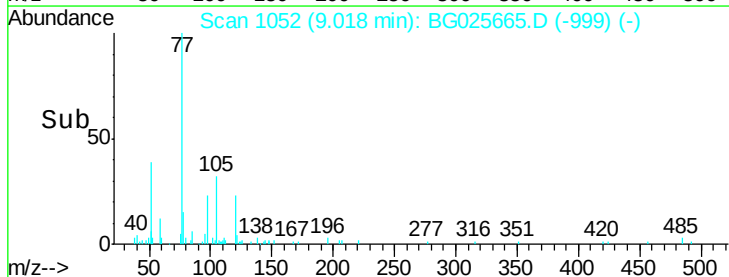
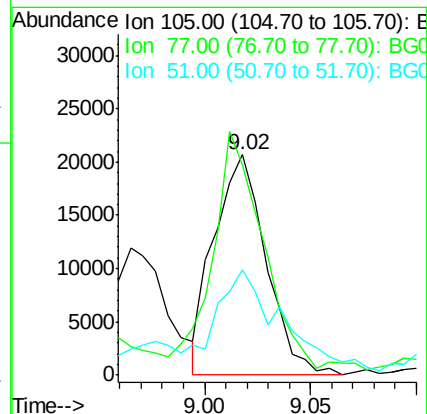
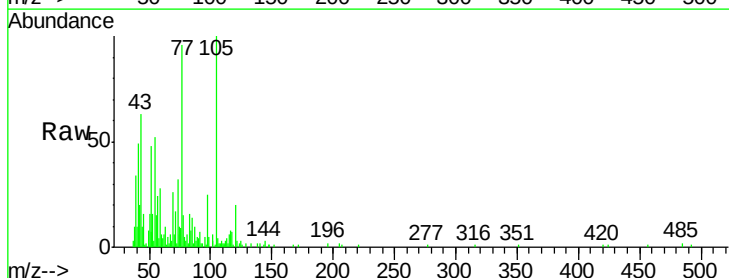
Tgt Ion: 105 Resp: 35288

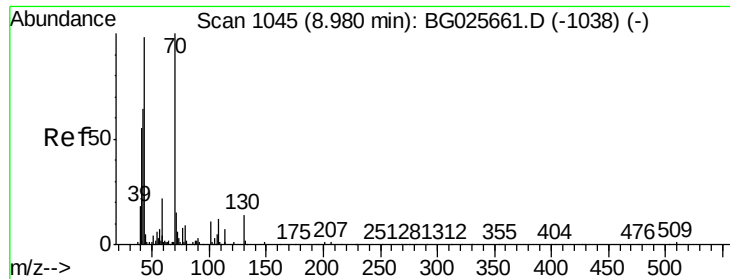
Ion Ratio Lower Upper

105 100

77 95.7 76.0 114.0

51 47.7 34.8 52.2

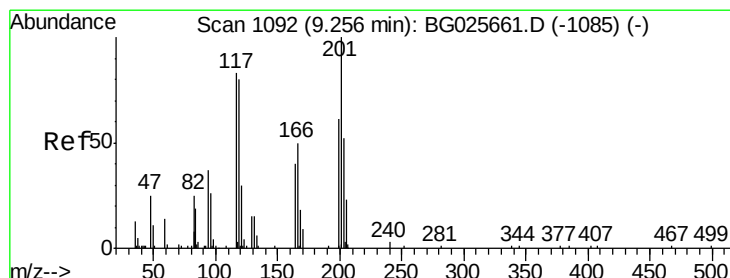
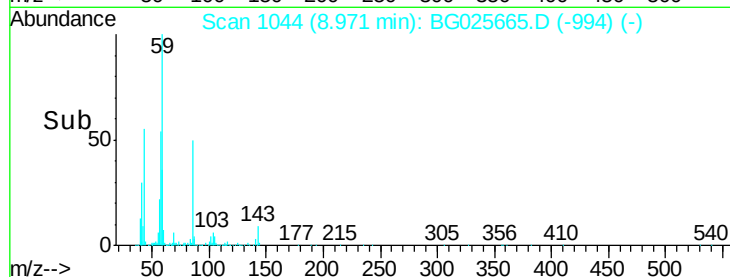
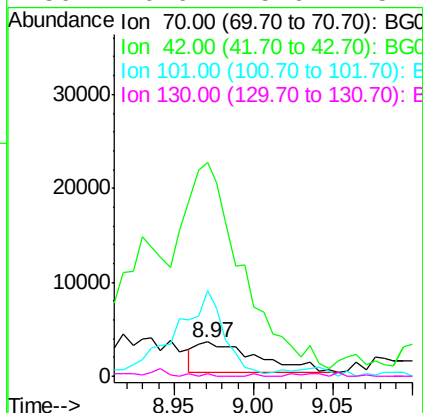
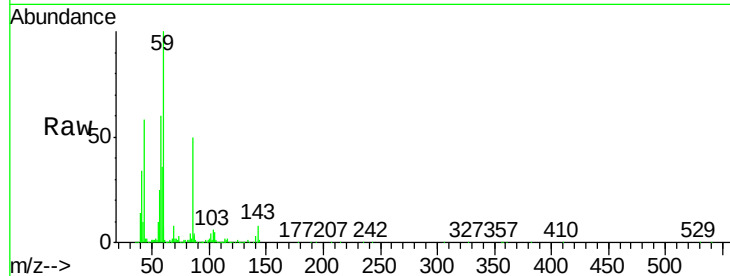




#15
N-Nitroso-di-n-propylamine
Concen: 1.59 ng/ul
RT: 8.97 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

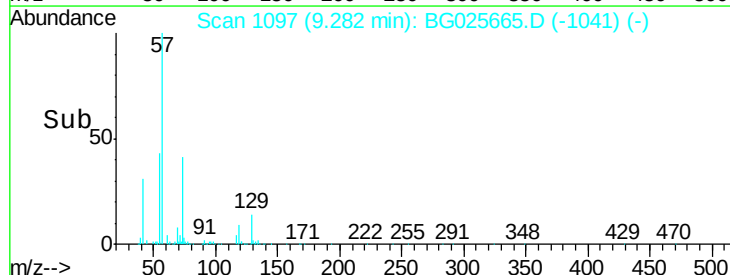
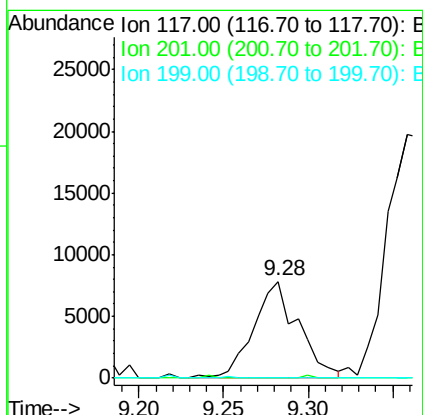
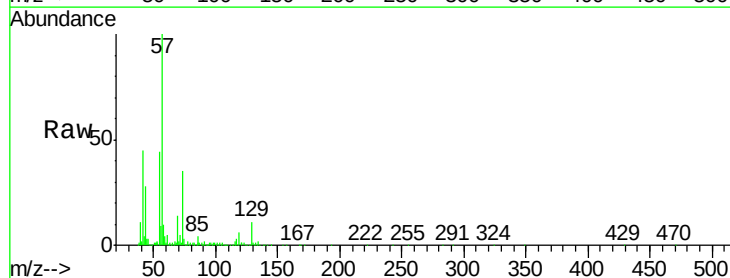
Instrument :
BNA_G
ClientSampleId :
DA9R8

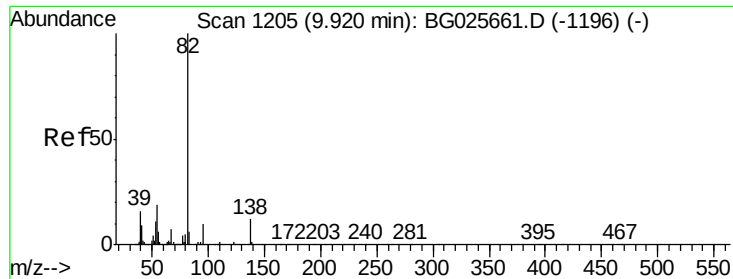
Tgt Ion: 70 Resp: 8572
Ion Ratio Lower Upper
70 100
42 619.8 59.0 88.6#
101 250.1 6.6 9.8#
130 6.6 15.6 23.4#



#17
Hexachloroethane
Concen: 6.59 ng/ul
RT: 9.28 min Scan# 1097
Delta R.T. 0.03 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion: 117 Resp: 14510
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#





#21

Isophorone

Concen: 30.97 ng/ul

RT: 9.92 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

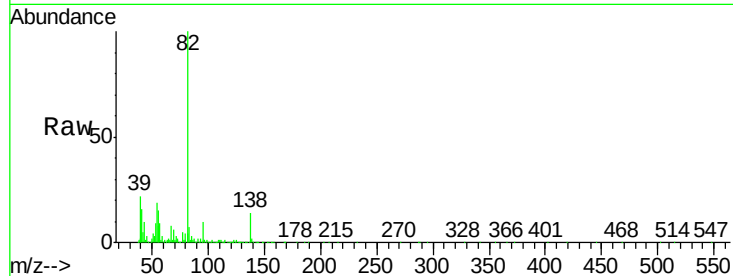
Tgt Ion: 82 Resp: 502072

Ion Ratio Lower Upper

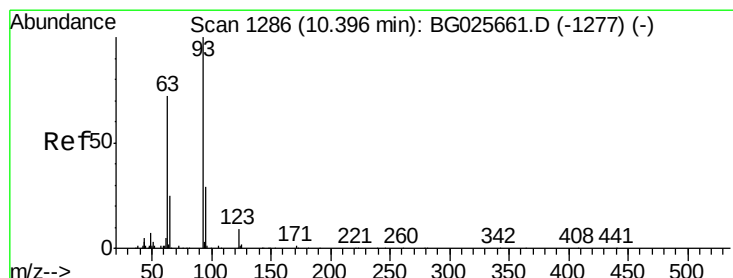
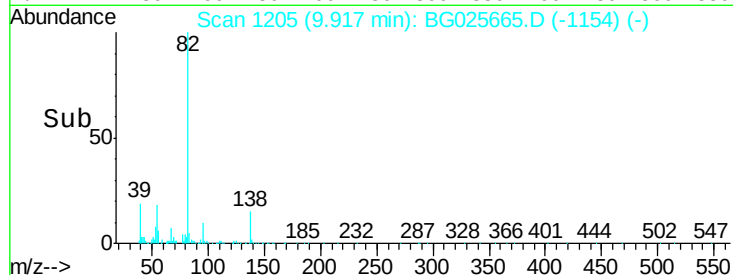
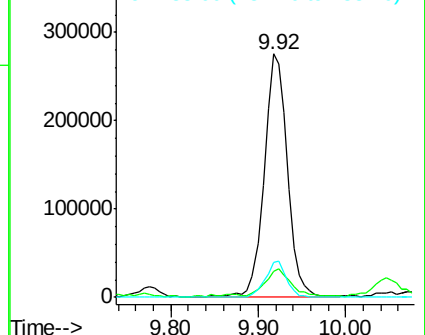
82 100

95 10.5 7.8 11.6

138 14.5 12.2 18.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#25

Bis(2-Chloroethoxy)methane

Concen: 2.23 ng/ul

RT: 10.42 min Scan# 1291

Delta R.T. 0.03 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

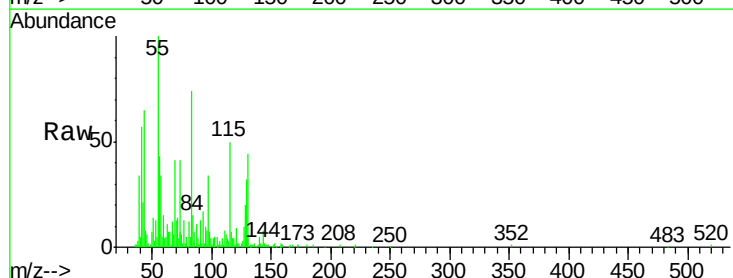
Tgt Ion: 93 Resp: 18257

Ion Ratio Lower Upper

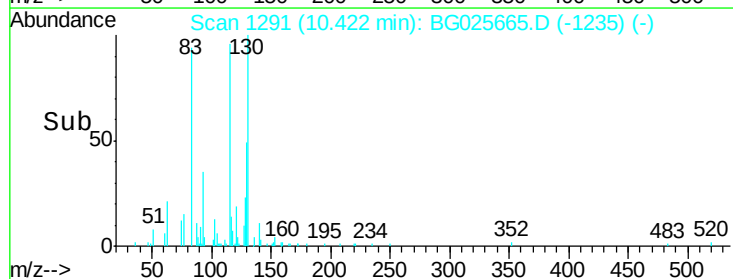
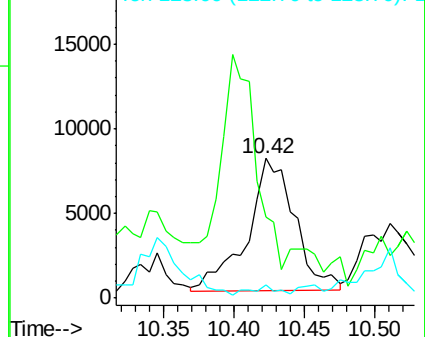
93 100

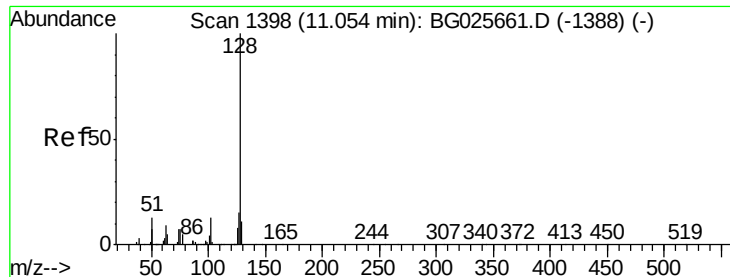
95 57.6 23.4 35.0#

123 9.6 7.8 11.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC

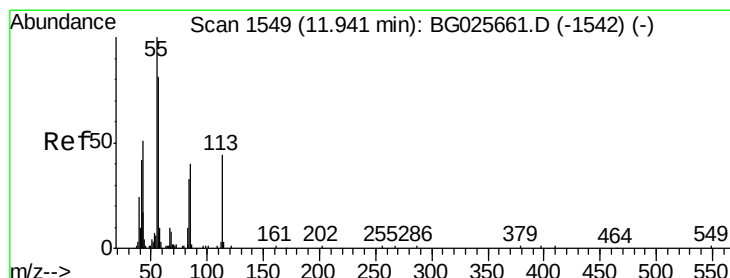
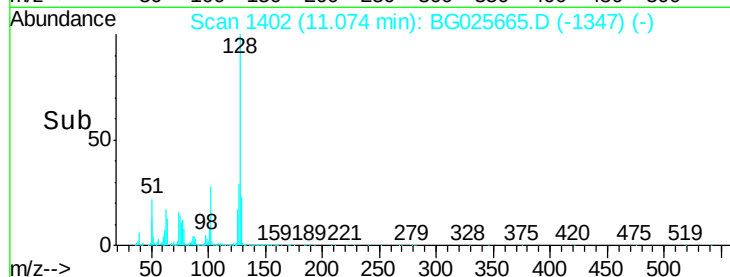
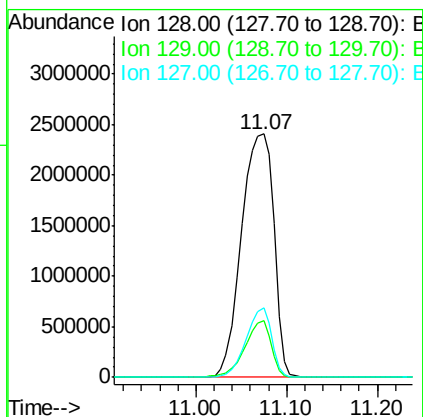
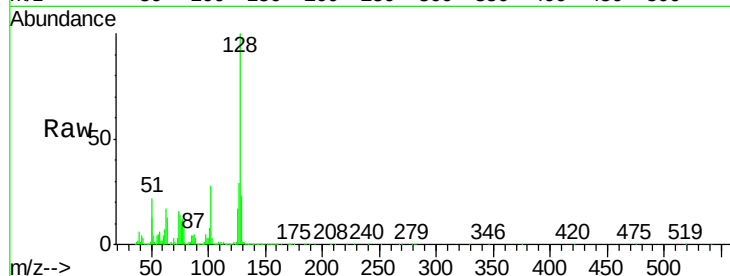




#28
Naphthalene
Concen: 339.81 ng/ul
RT: 11.07 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

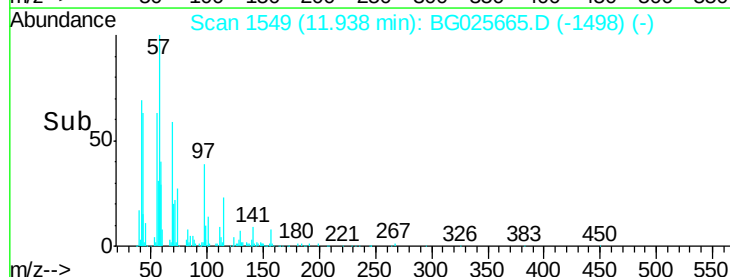
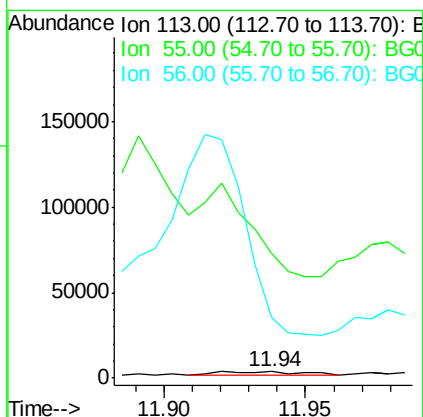
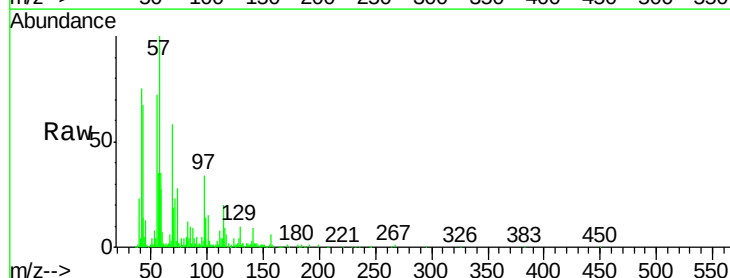
Instrument :
BNA_G
ClientSampleId :
DA9R8

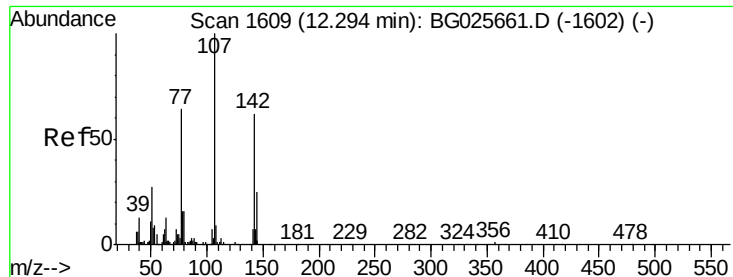
Tgt Ion:128 Resp: 5967416
Ion Ratio Lower Upper
128 100
129 23.1 9.4 14.2#
127 28.8 10.3 15.5#



#32
Caprolactam
Concen: 1.41 ng/ul
RT: 11.94 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion:113 Resp: 3660
Ion Ratio Lower Upper
113 100
55 1955.6 168.6 252.8#
56 949.4 128.5 192.7#

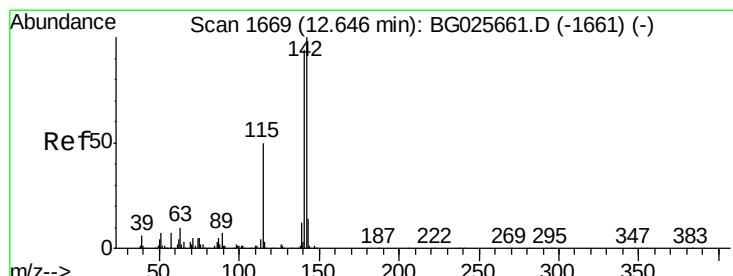
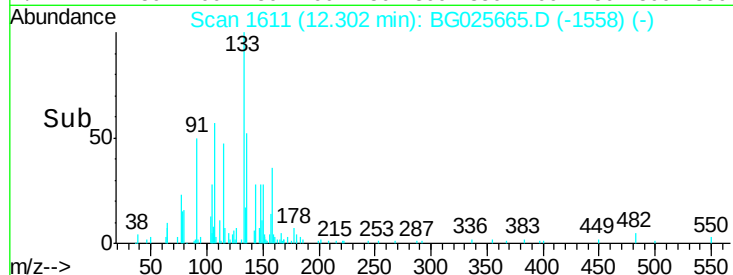
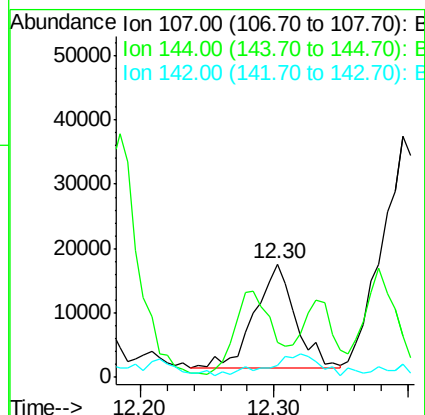
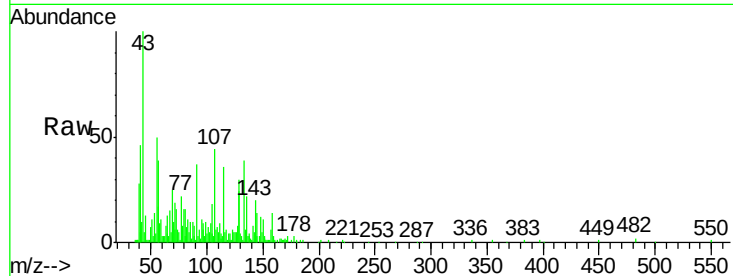




#33
 4-Chloro-3-methylphenol
 Concen: 4.48 ng/ul
 RT: 12.30 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

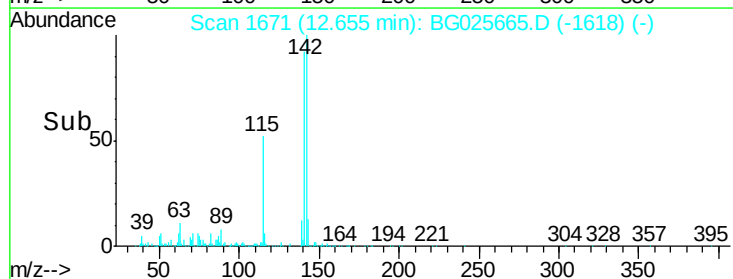
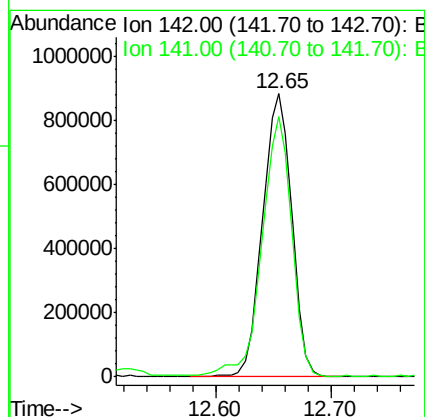
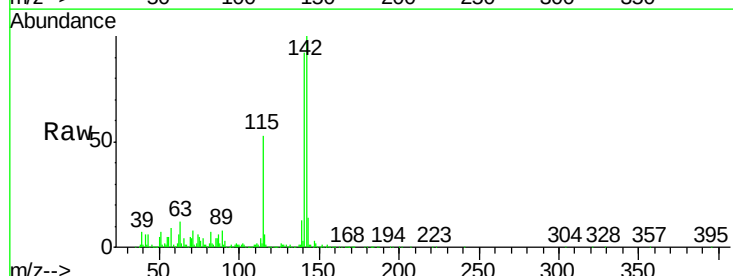
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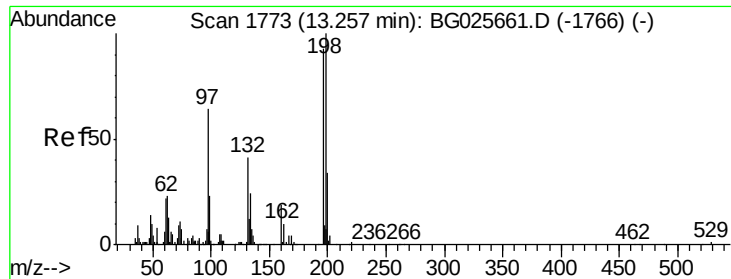
Tgt Ion:107 Resp: 33557
 Ion Ratio Lower Upper
 107 100
 144 31.2 18.2 27.4#
 142 11.0 55.0 82.4#



#34
 2-Methylnaphthalene
 Concen: 108.55 ng/ul
 RT: 12.65 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

Tgt Ion:142 Resp: 1556289
 Ion Ratio Lower Upper
 142 100
 141 91.9 68.6 102.8

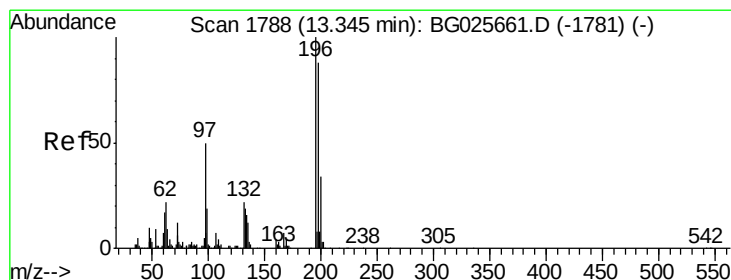
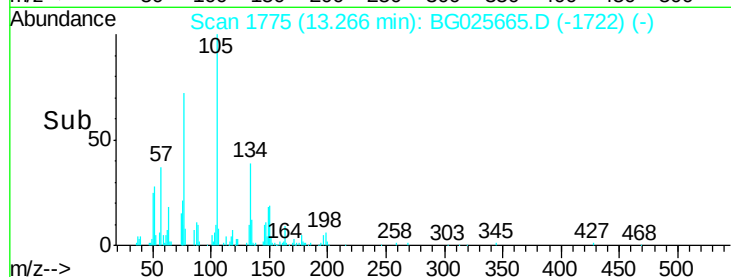
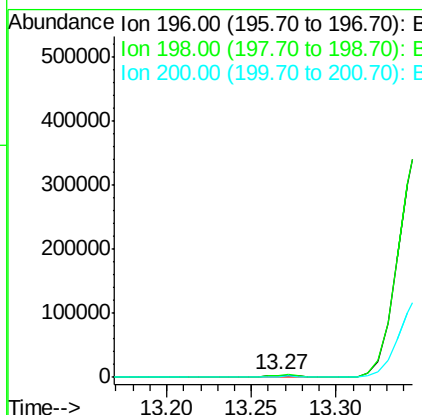
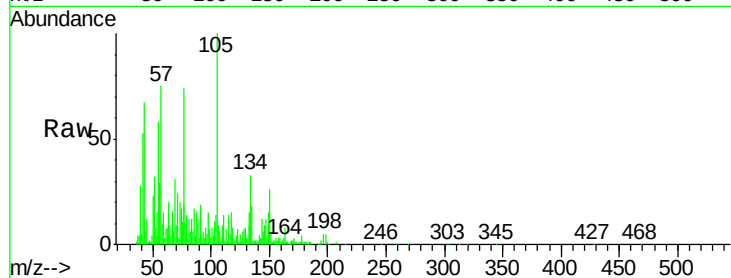




#38
 2,4,6-Trichlorophenol
 Concen: 1.31 ng/ul
 RT: 13.27 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

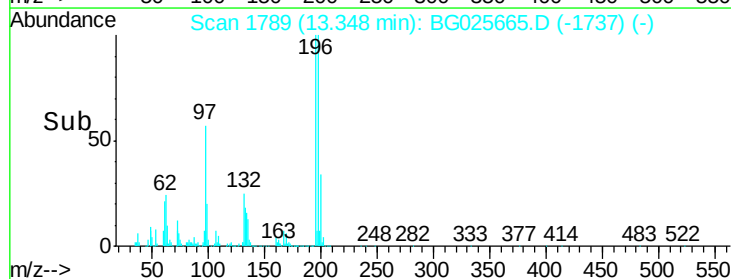
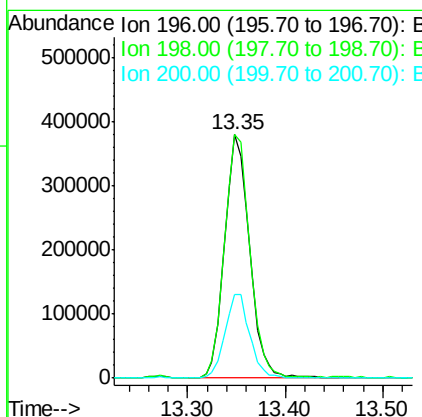
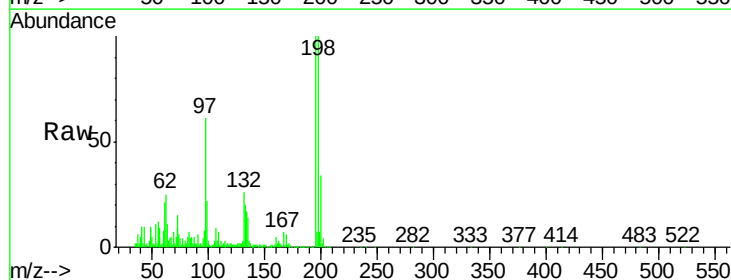
Instrument :
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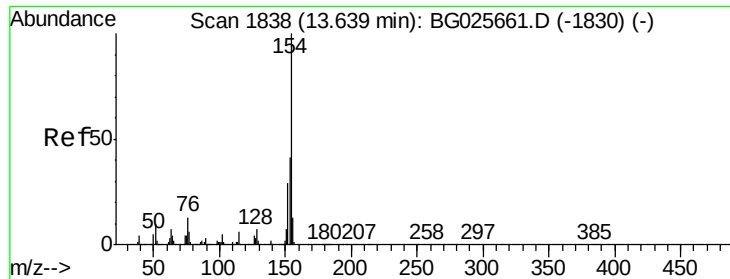
Tgt Ion:196 Resp: 6835
 Ion Ratio Lower Upper
 196 100
 198 101.8 71.4 107.2
 200 26.5 24.6 37.0



#39
 2,4,5-Trichlorophenol
 Concen: 122.96 ng/ul
 RT: 13.35 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

Tgt Ion:196 Resp: 672605
 Ion Ratio Lower Upper
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 198 100.1 78.6 118.0
 200 34.5 27.3 40.9

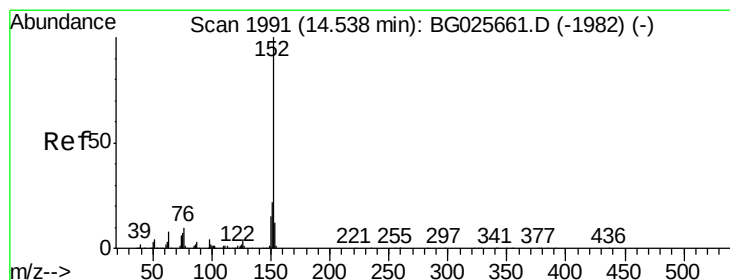
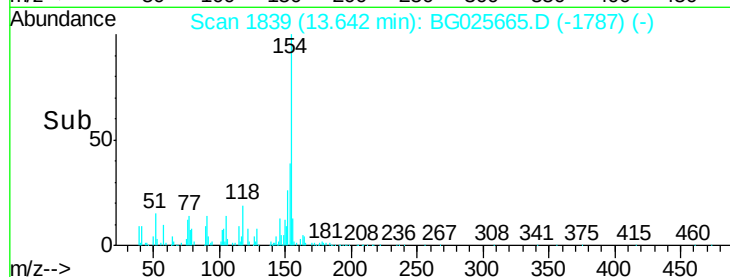
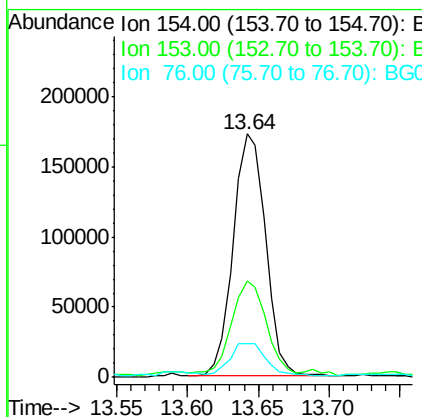
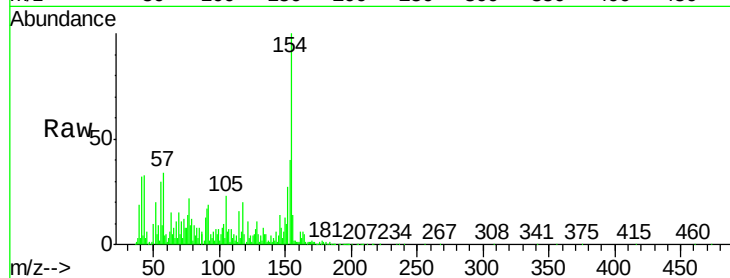




#40
 1,1'-Biphenyl
 Concen: 15.62 ng/ul
 RT: 13.64 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

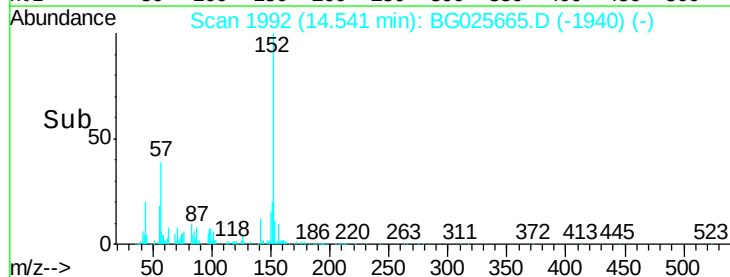
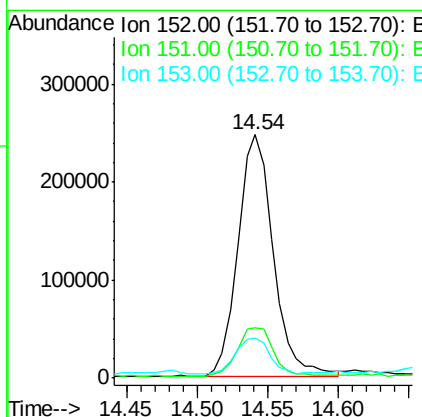
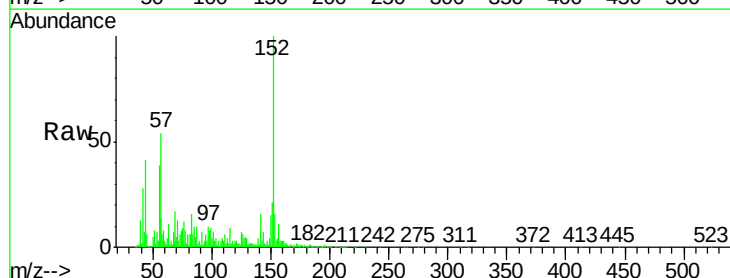
Instrument :
 BNA_G
 ClientSampleId :
 DA9R8

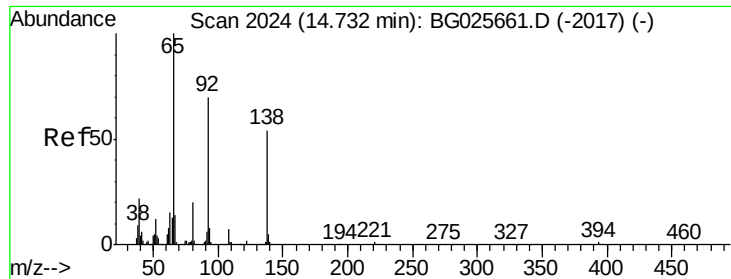
Tgt Ion:	154	Resp:	277003
Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.2	48.2
76	14.0	9.6	14.4



#47
 Acenaphthylene
 Concen: 20.22 ng/ul
 RT: 14.54 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

Tgt Ion:	152	Resp:	429652
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.7	25.1
153	16.3	11.4	17.2

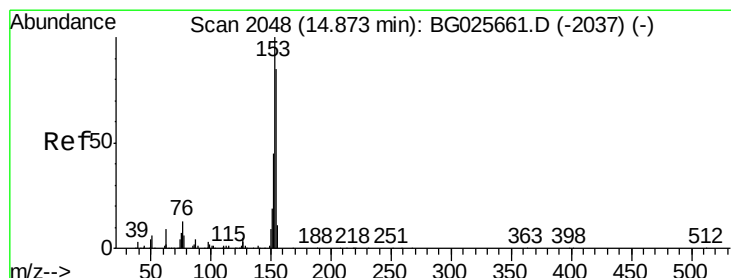
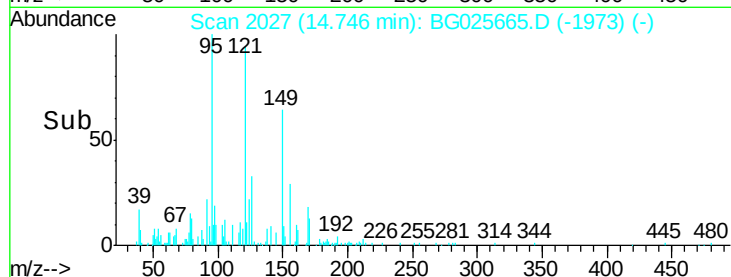
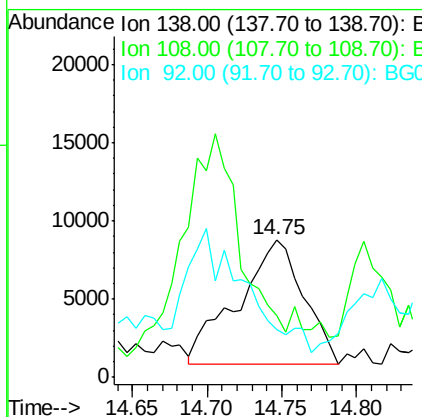
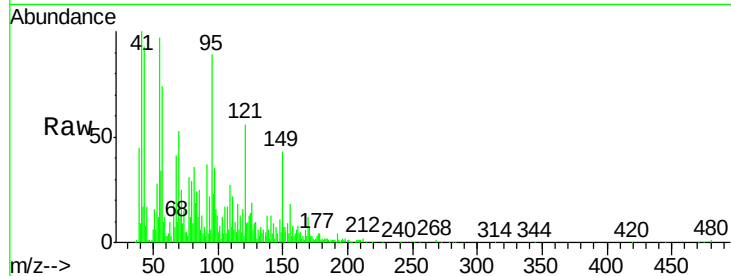




#48
3-Nitroaniline
Concen: 6.52 ng/ul
RT: 14.75 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

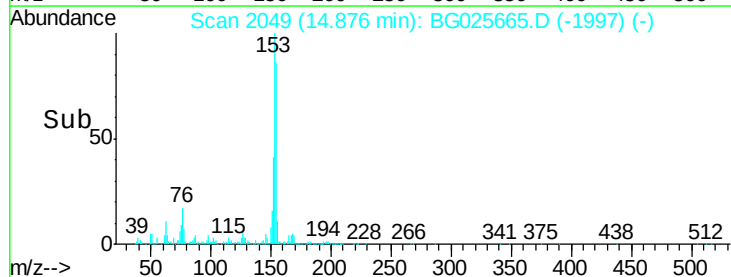
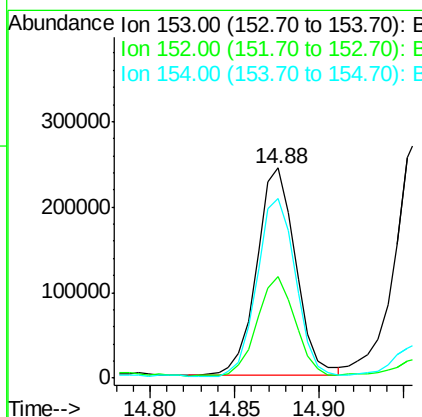
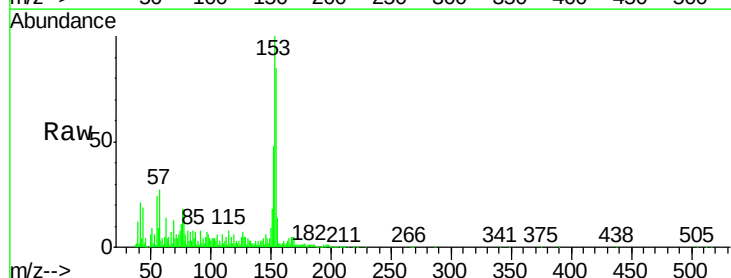
Instrument :
BNA_G
ClientSampleId :
DA9R8

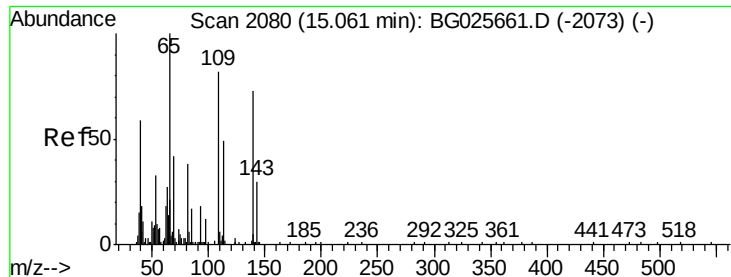
Tgt Ion:138 Resp: 24131
Ion Ratio Lower Upper
138 100
108 44.9 6.3 9.5#
92 34.6 106.4 159.6#



#49
Acenaphthene
Concen: 25.64 ng/ul
RT: 14.88 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion:153 Resp: 388222
Ion Ratio Lower Upper
153 100
152 48.5 36.5 54.7
154 85.4 72.3 108.5





#52

4-Nitrophenol

Concen: 33.22 ng/ul

RT: 15.07 min Scan# 2082

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

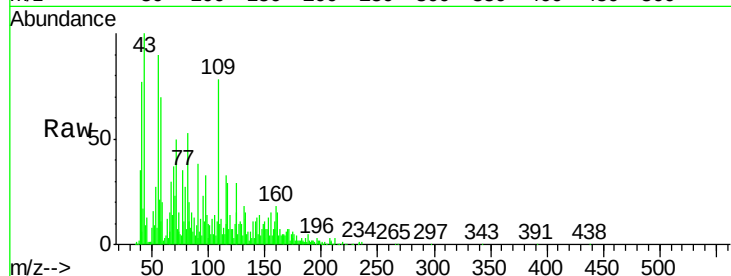
Tgt Ion:109 Resp: 127414

Ion Ratio Lower Upper

109 100

139 13.6 62.6 93.8#

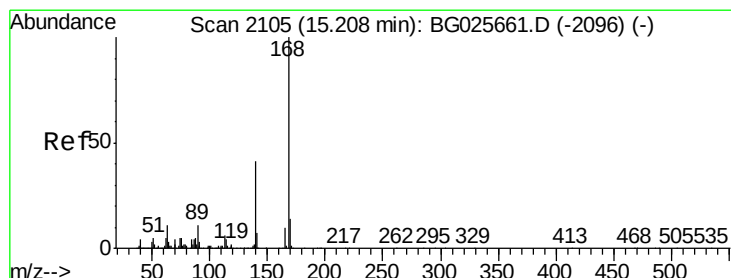
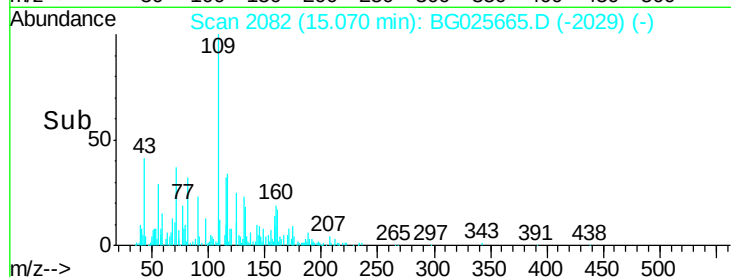
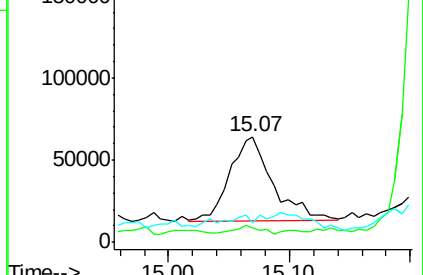
65 18.8 90.4 135.6#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#53

Dibenzofuran

Concen: 33.82 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BG025665.D

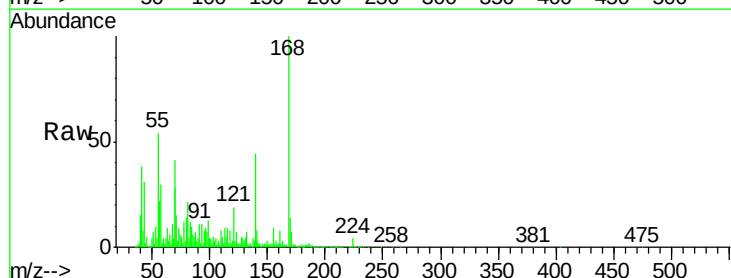
Acq: 26 Jan 2017 13:55

Tgt Ion:168 Resp: 786898

Ion Ratio Lower Upper

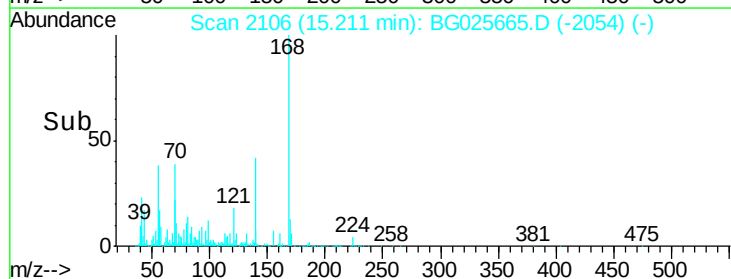
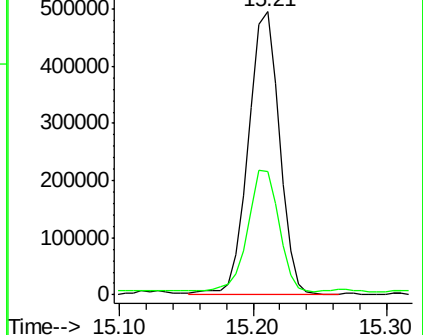
168 100

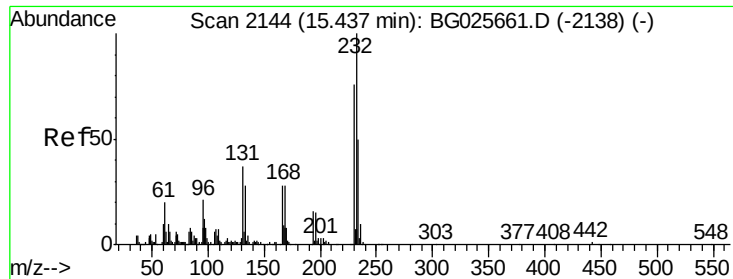
139 43.7 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 588.10 ng/ul

RT: 15.42 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

Tgt Ion:232 Resp: 3403857

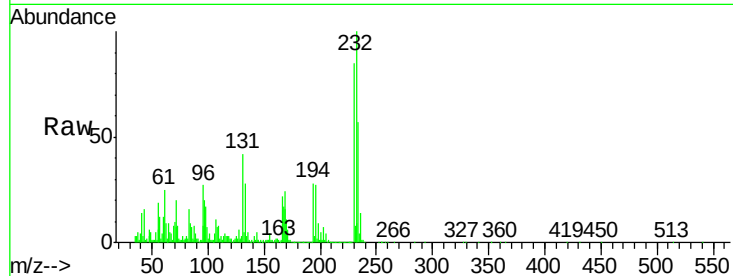
Ion Ratio Lower Upper

232 100

131 42.0 33.3 49.9

130 2.6 1.8 2.6

166 22.1 21.9 32.9

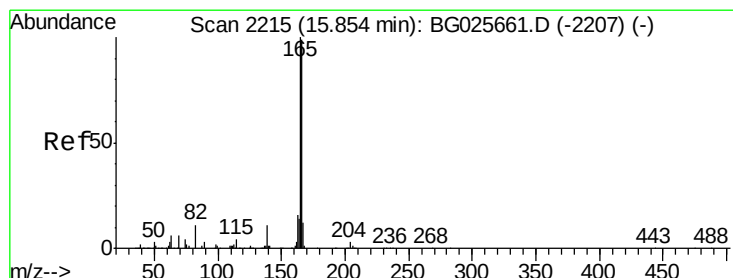
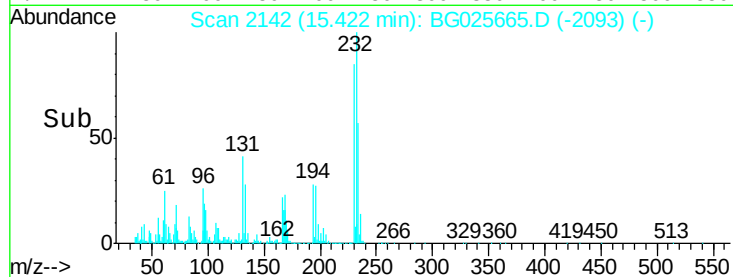
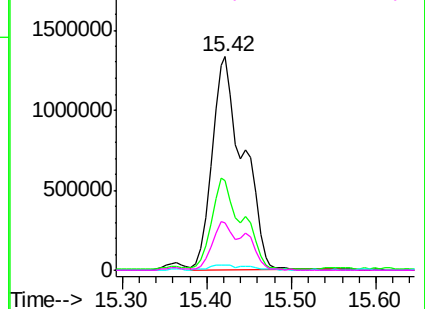


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58

Fluorene

Concen: 21.90 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

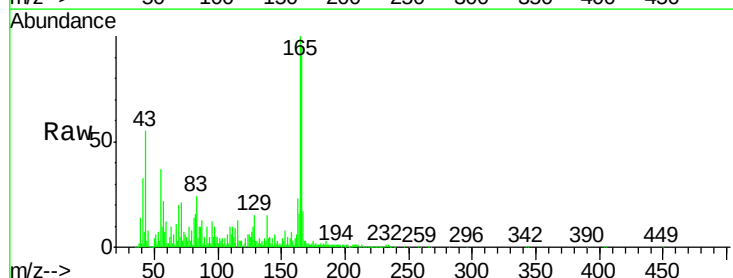
Tgt Ion:166 Resp: 416095

Ion Ratio Lower Upper

166 100

165 105.7 79.7 119.5

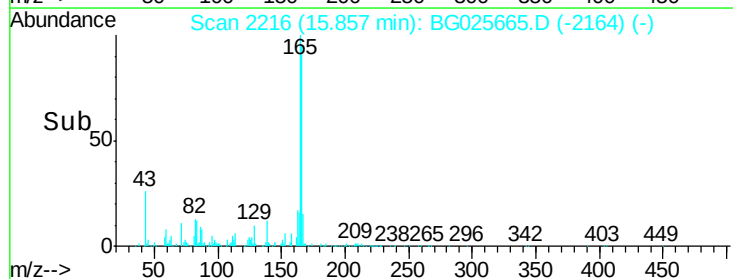
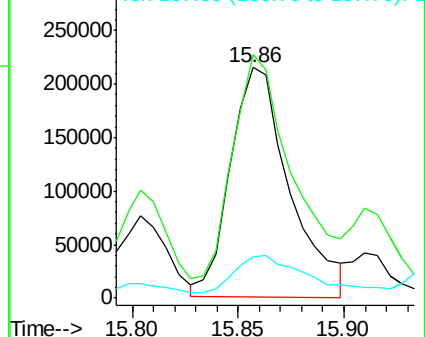
167 17.8 11.4 17.2#

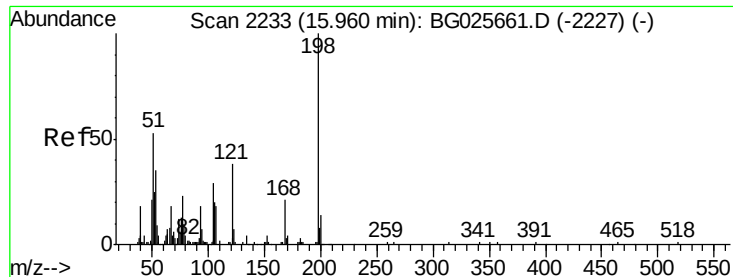


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

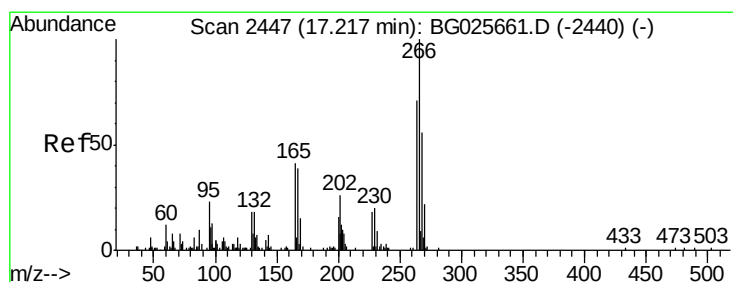
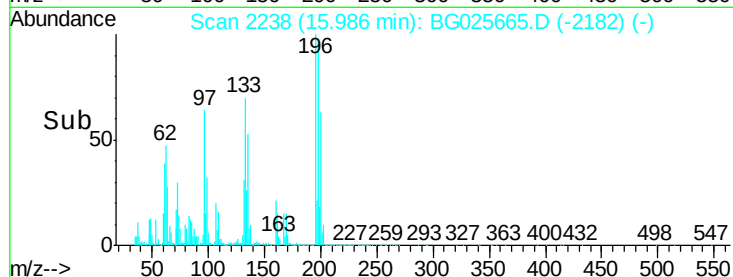
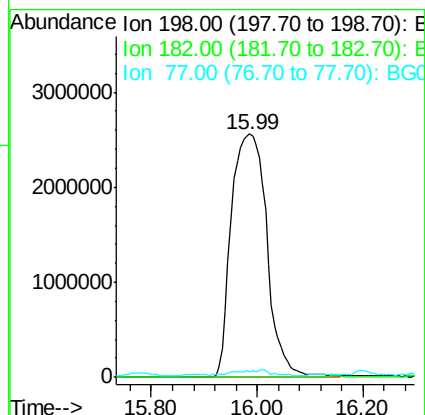
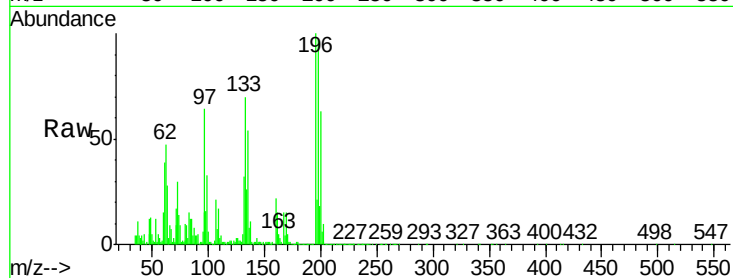




#63
4,6-Dinitro-2-methylphenol
Concen: 3332.46 ng/ul
RT: 15.99 min Scan# 2238
Delta R.T. 0.03 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

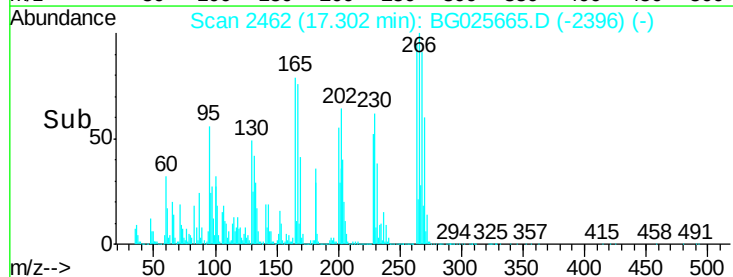
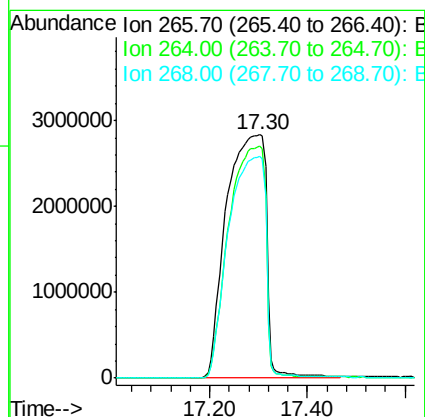
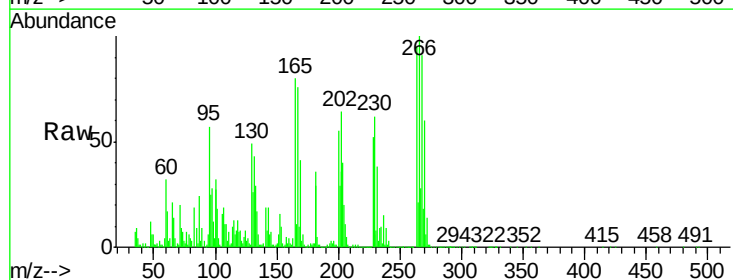
Instrument :
BNA_G
ClientSampleId :
DA9R8

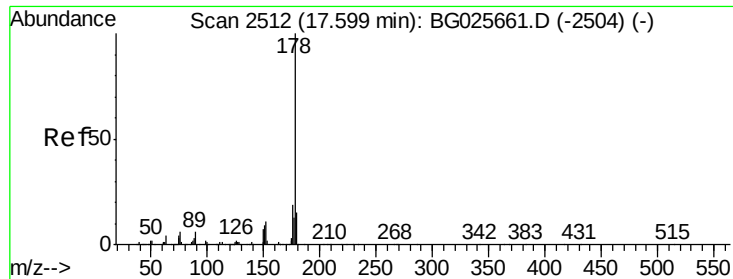
Tgt Ion:198 Resp:11928908
Ion Ratio Lower Upper
198 100
182 0.3 5.8 6.4#
77 2.5 22.1 33.9#



#68
Pentachlorophenol
Concen: 5180.56 ng/ul
RT: 17.30 min Scan# 2462
Delta R.T. 0.08 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion:266 Resp:15999476
Ion Ratio Lower Upper
266 100
264 95.2 47.1 70.7#
268 91.1 56.2 84.4#





#69

Phenanthrene

Concen: 38.97 ng/ul

RT: 17.63 min Scan# 2518

Delta R.T. 0.03 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

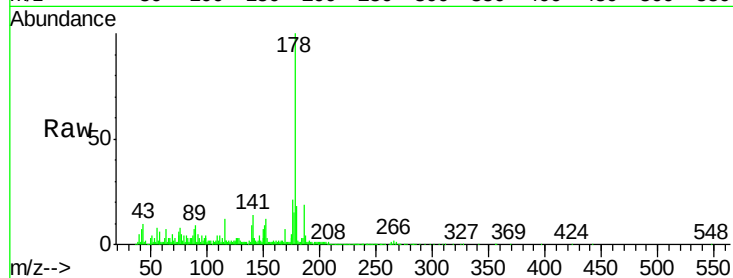
Tgt Ion:178 Resp: 1066531

Ion Ratio Lower Upper

178 100

179 18.0 12.4 18.6

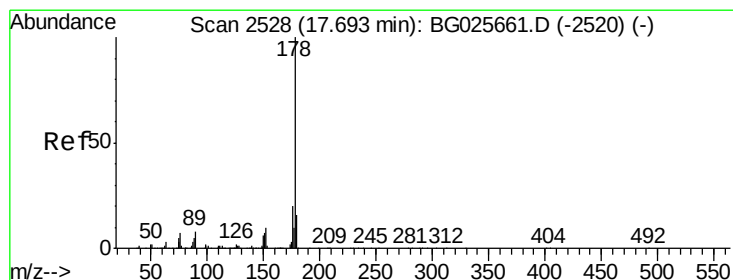
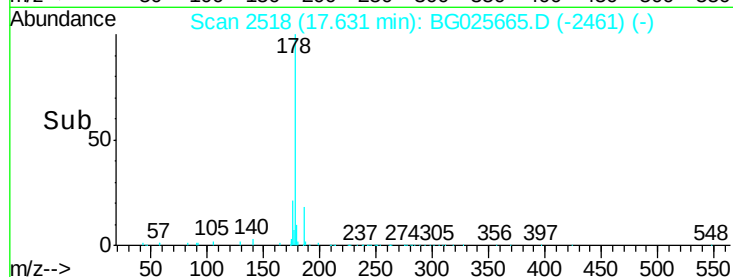
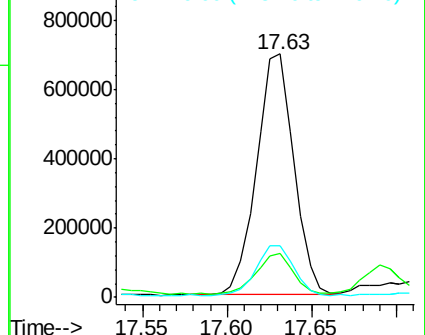
176 21.3 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 38.77 ng/ul

RT: 17.63 min Scan# 2518

Delta R.T. -0.06 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

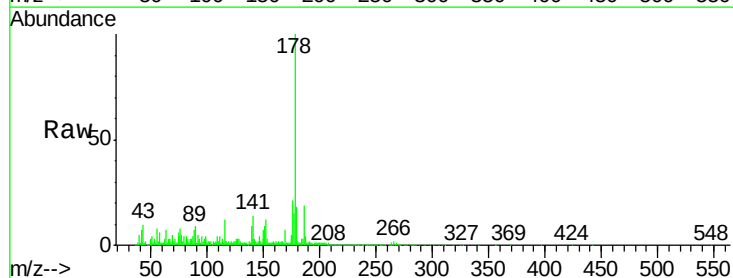
Tgt Ion:178 Resp: 1066531

Ion Ratio Lower Upper

178 100

179 18.0 12.6 19.0

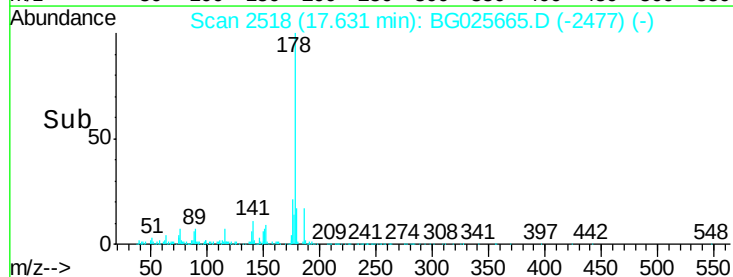
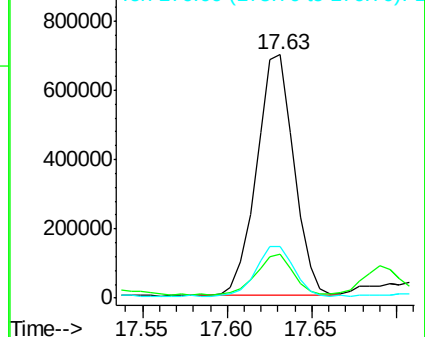
176 21.3 15.9 23.9

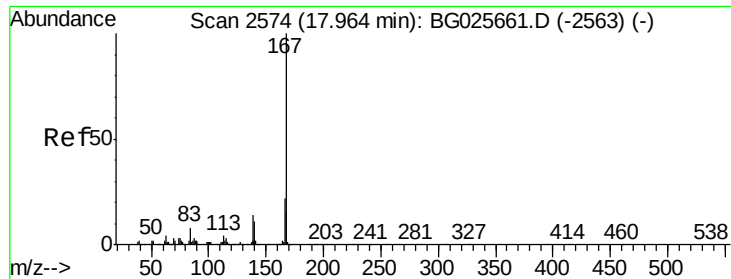


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 18.02 ng/ul

RT: 17.99 min Scan# 2579

Delta R.T. 0.03 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

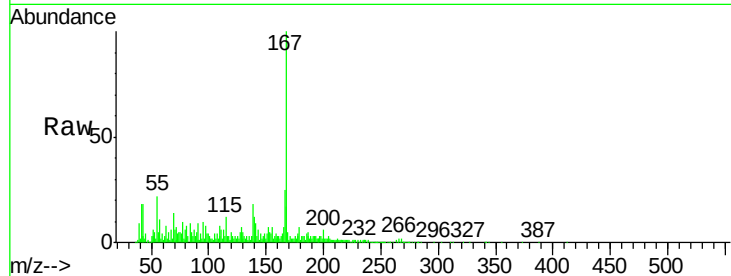
Tgt Ion:167 Resp: 411111

Ion Ratio Lower Upper

167 100

166 24.6 17.9 26.9

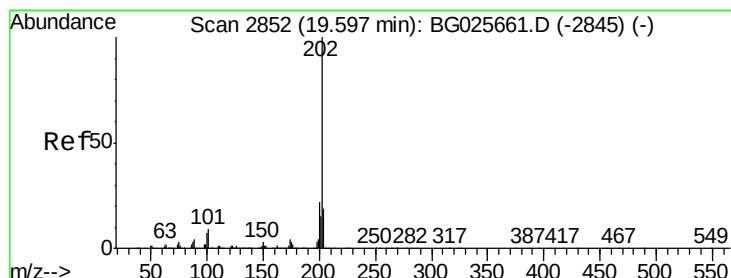
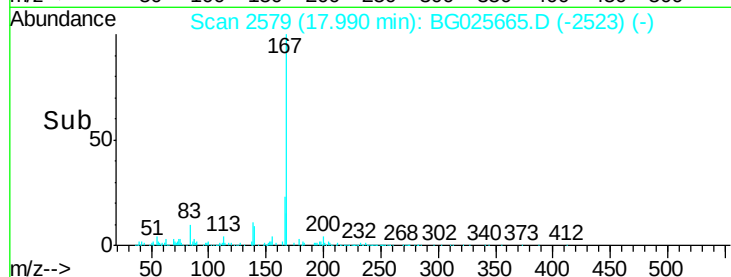
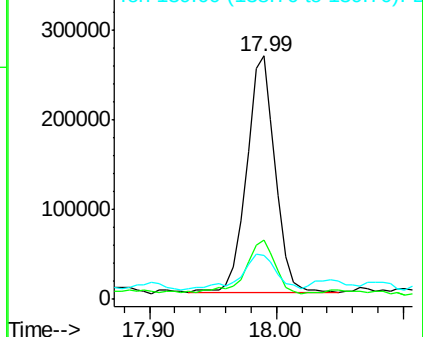
139 18.3 10.5 15.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 3.05 ng/ul

RT: 19.61 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

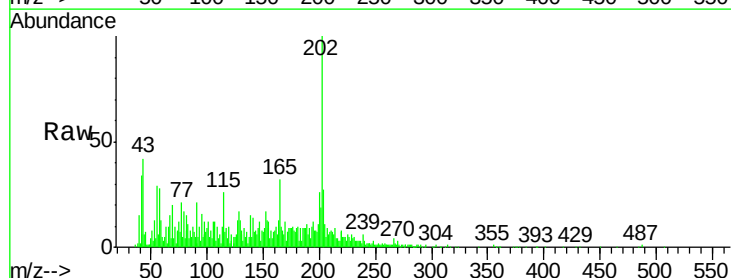
Tgt Ion:202 Resp: 98402

Ion Ratio Lower Upper

202 100

101 12.1 6.2 9.2#

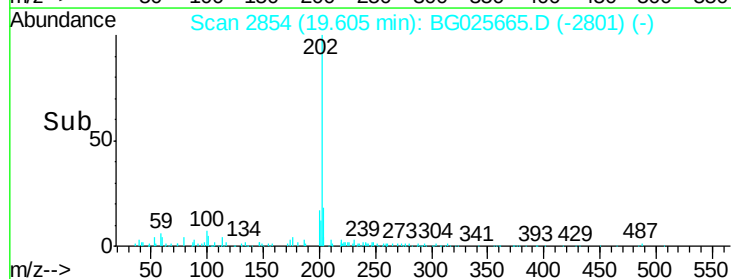
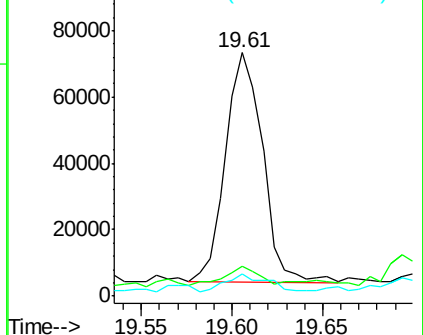
100 9.1 5.2 7.8#

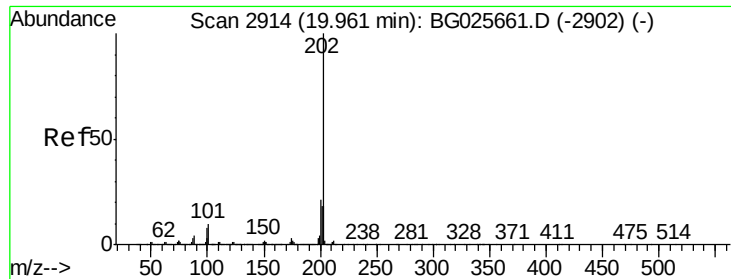


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 1.84 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. 0.01 min

Lab File: BG025665.D

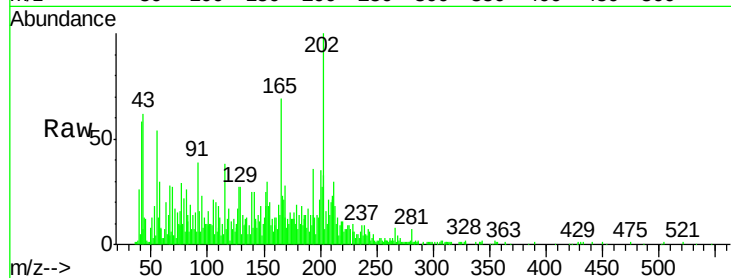
Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8



Tgt Ion:	202	Resp:	59746
Ion	Ratio	Lower	Upper
202	100		
101	15.8	6.9	10.3#
100	9.4	6.6	10.0

