

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031218\
 Data File : BG033109.D
 Acq On : 13 Mar 2018 4:07
 Operator : SJ/JU
 Sample : J1867-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C19013071

Quant Time: Mar 13 08:41:45 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	40269	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	178596	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	102027	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	247571	20.00	ng	0.00
75) Chrysene-d12	22.61	240	241050	20.00	ng	0.00
86) Perylene-d12	26.41	264	254373	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	176466	70.11	ng	0.00
7) Phenol-d6	8.00	99	147102	41.93	ng	0.00
23) Nitrobenzene-d5	10.11	82	330759	123.44	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	208026	193.91	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	718027	101.50	ng	0.00
78) Terphenyl-d14	20.77	244	1147406	106.95	ng	0.00

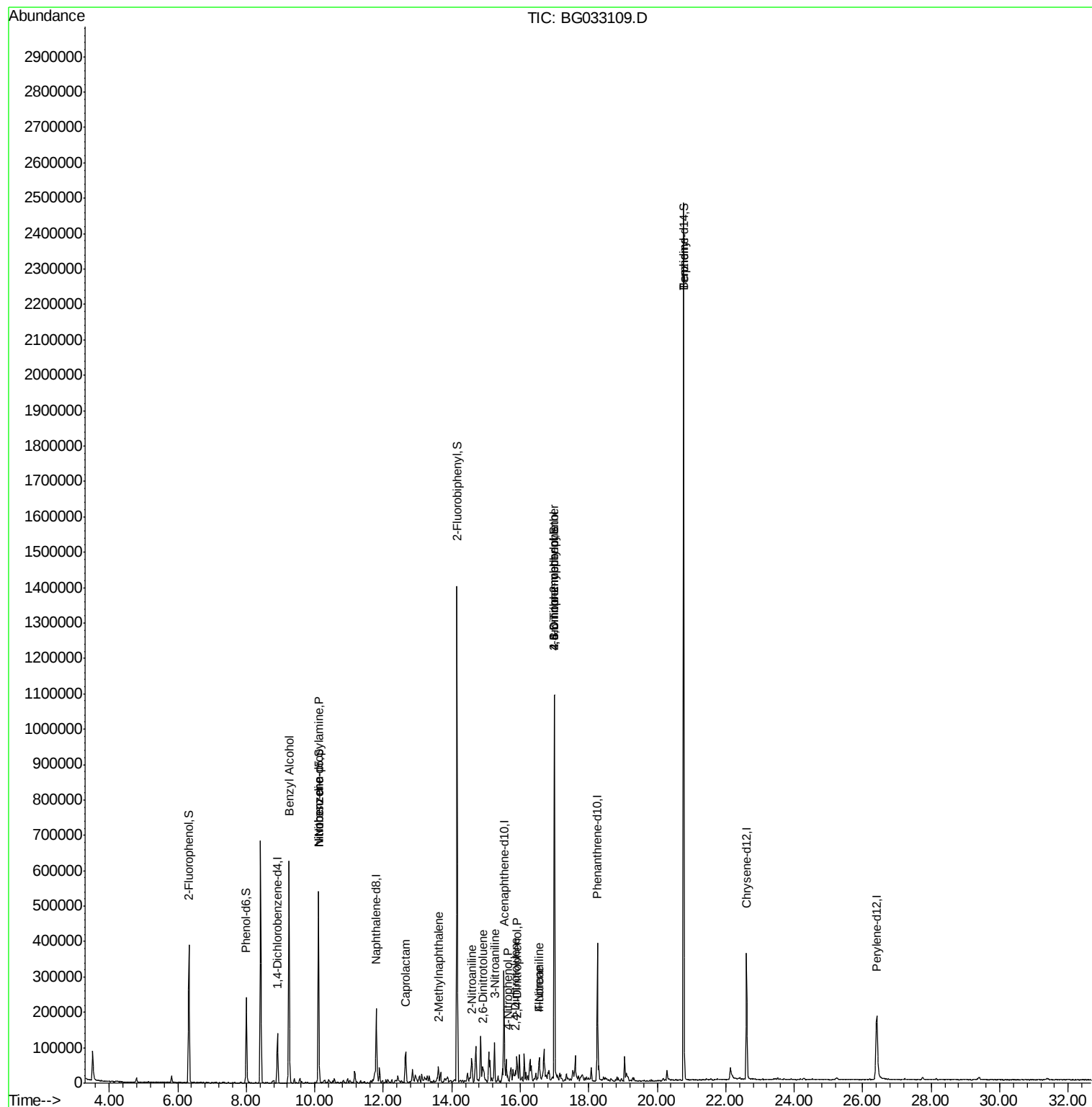
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	5316	2.061	ng	# 47
19) n-Nitroso-di-n-propylamine	10.11	70	43388	17.517	ng	# 84
24) Nitrobenzene	10.11	77	1745	6.912	ng	# 46
35) Caprolactam	12.65	113	13356	13.496	ng	96
37) 2-Methylnaphthalene	13.61	142	19026	2.818	ng	92
47) 2-Nitroaniline	14.58	65	648	10.142	ng	# 9
50) 2,6-Dinitrotoluene	14.91	165	1586	9.799	ng	# 84
52) 3-Nitroaniline	15.24	138	66	7.575	ng	# 1
53) 2,4-Dinitrophenol	15.92	184	76	3.629	ng	# 1
55) 4-Nitrophenol	15.64	139	419	7.350	ng	# 1
56) 2,4-Dinitrotoluene	15.84	165	1865	7.932	ng	# 50
57) Fluorene	16.56	166	26045	3.264	ng	# 98
61) 4-Nitroaniline	16.55	138	247	5.417	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.00	198	455	5.730	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14259	5.447	ng	# 1
76) Benzidine	20.77	184	19503	2.374	ng	95

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

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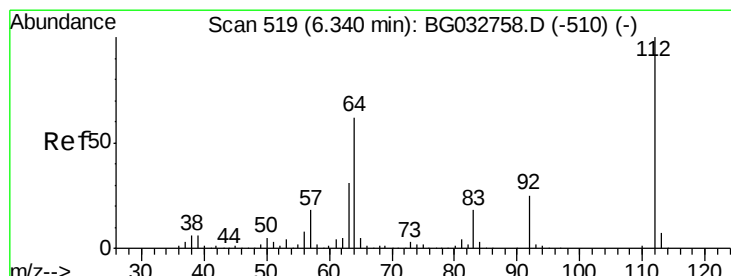
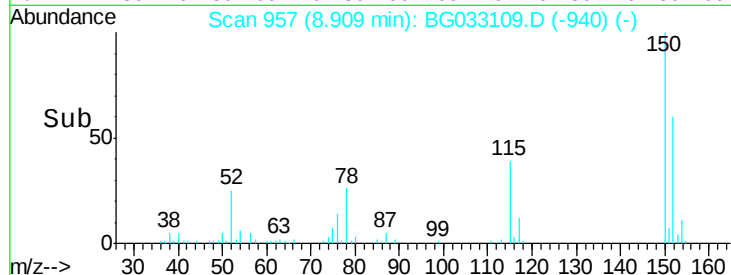
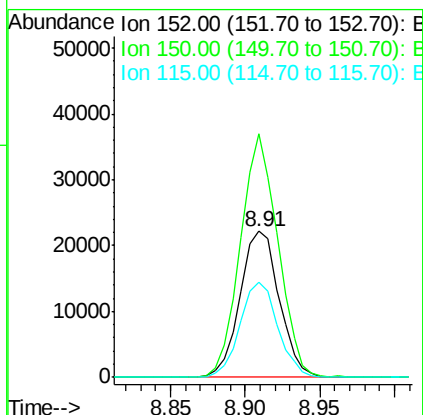
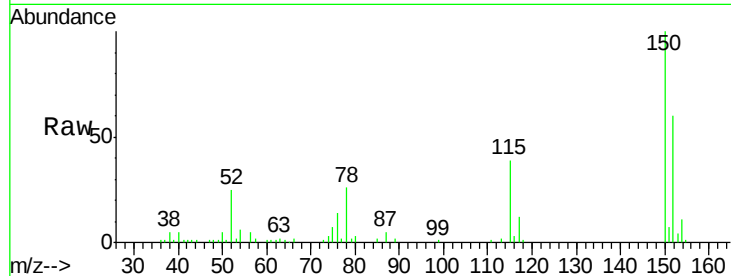


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.91 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

Instrument :
 BNA_G
 ClientSampleId :
 C19013071

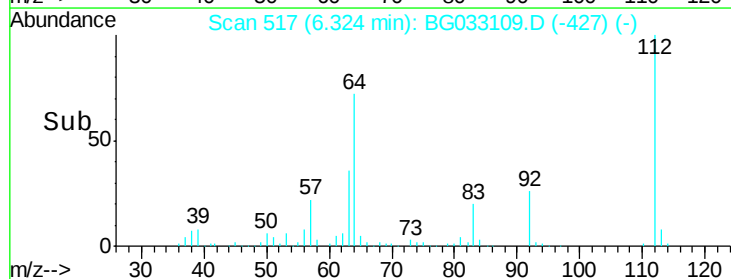
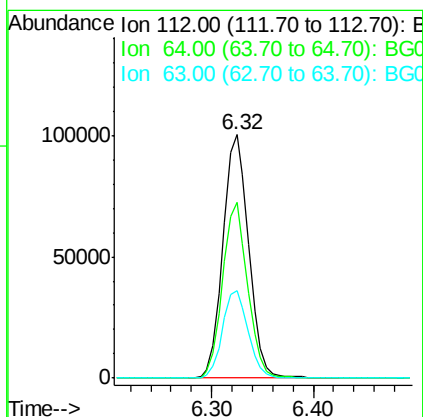
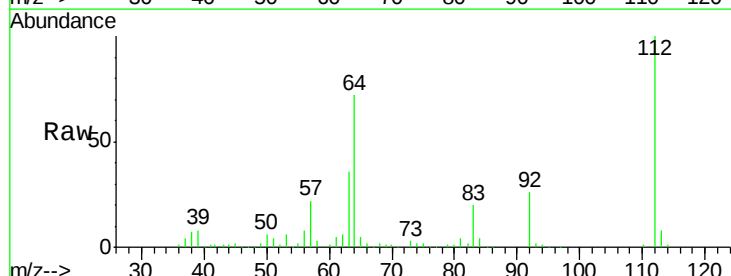
Tgt Ion:152 Resp: 40269
 Ion Ratio Lower Upper
 152 100
 150 166.9 126.6 189.8
 115 65.0 53.0 79.4



#5

2-Fluorophenol
 Concen: 70.109 ng
 RT: 6.32 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

Tgt Ion:112 Resp: 176466
 Ion Ratio Lower Upper
 112 100
 64 72.2 56.3 84.5
 63 35.9 30.1 45.1





#7

Phenol-d6

Concen: 41.928 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

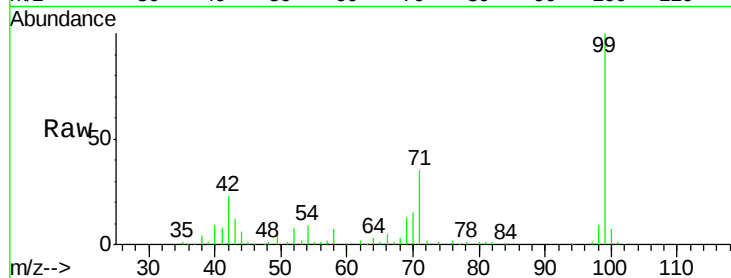
Tgt Ion: 99 Resp: 147102

Ion Ratio Lower Upper

99 100

42 23.2 14.1 21.1#

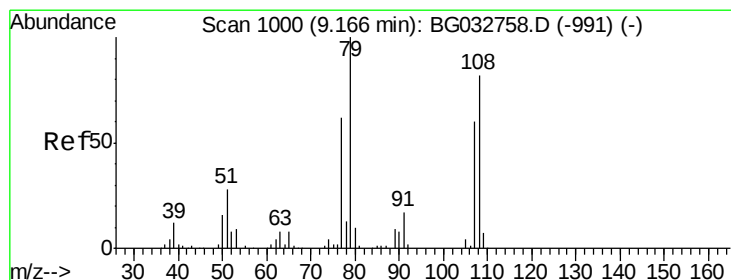
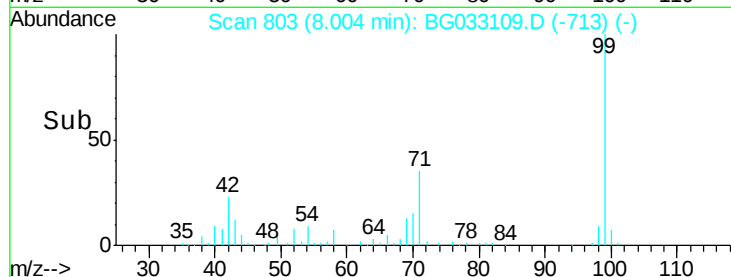
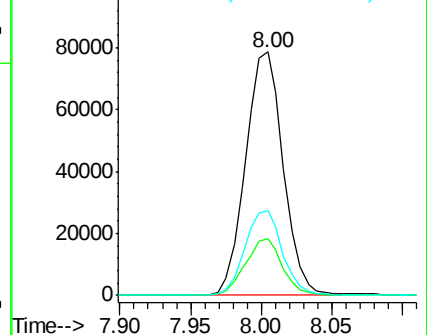
71 34.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.061 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

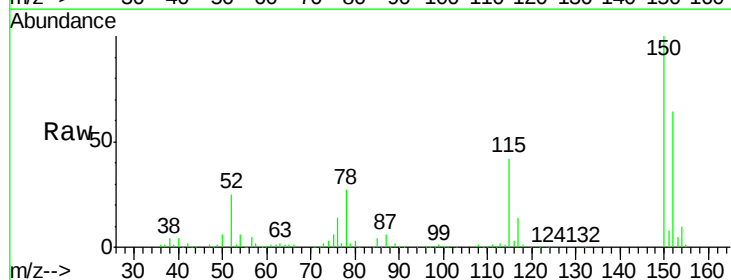
Tgt Ion: 79 Resp: 5316

Ion Ratio Lower Upper

79 100

108 32.8 57.2 85.8#

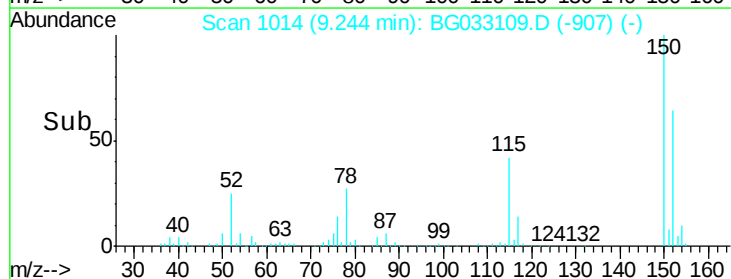
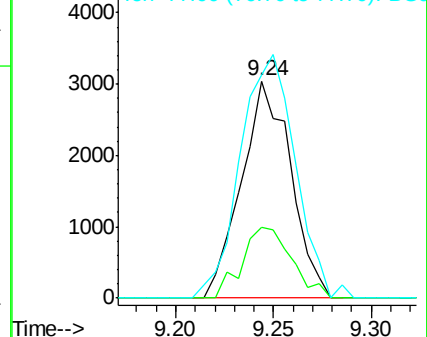
77 102.7 46.1 69.1#

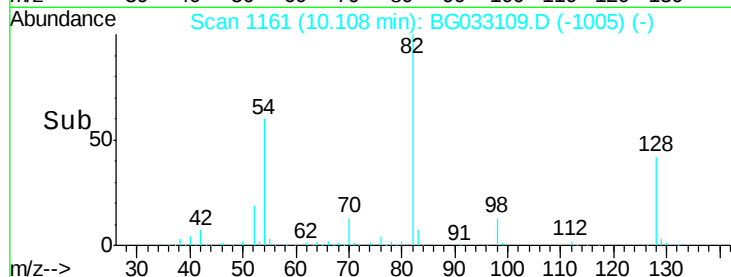
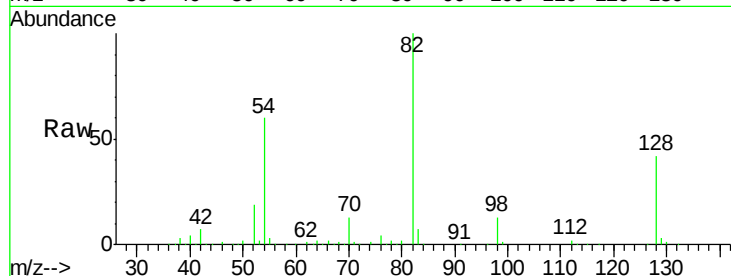
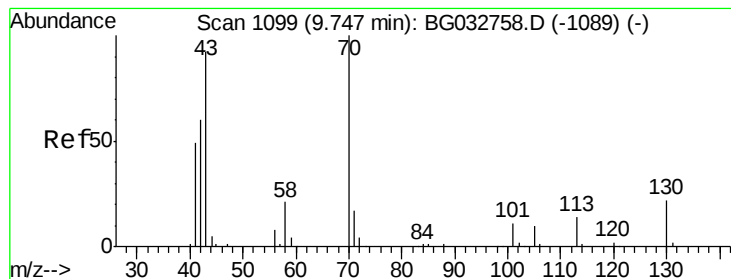


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.517 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

Tgt Ion: 70 Resp: 43388

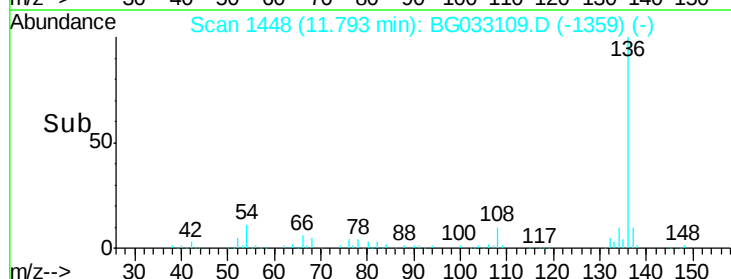
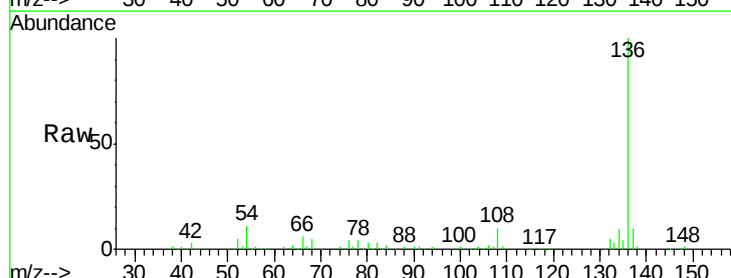
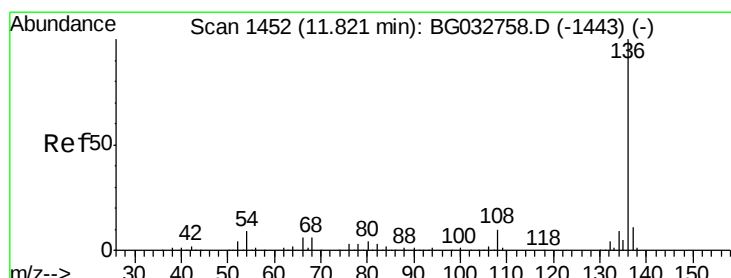
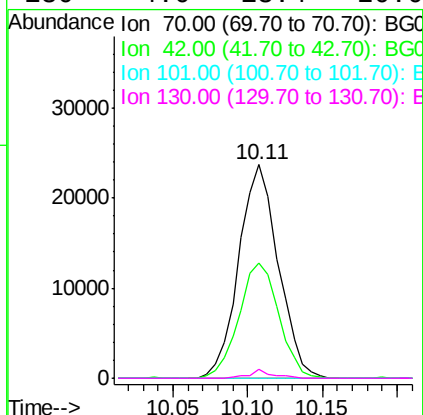
Ion Ratio Lower Upper

70 100

42 54.0 49.1 73.7

101 0.0 8.5 12.7#

130 4.0 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.79 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Tgt Ion: 136 Resp: 178596

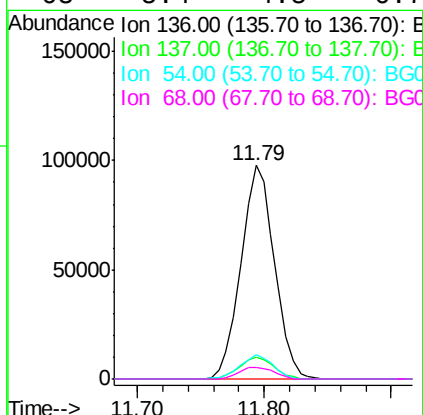
Ion Ratio Lower Upper

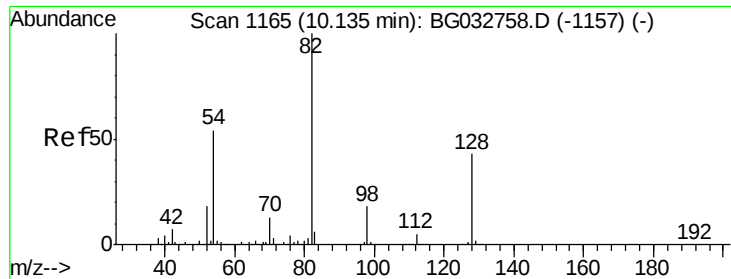
136 100

137 10.5 9.2 13.8

54 11.2 10.3 15.5

68 5.4 4.5 6.7

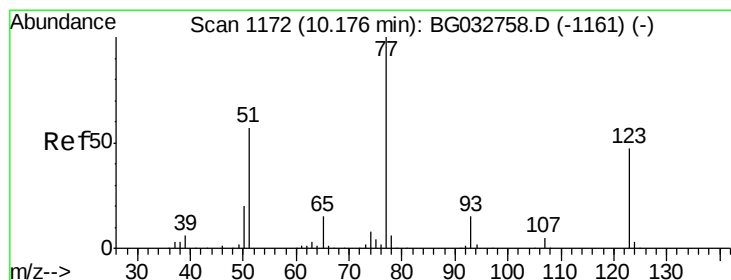
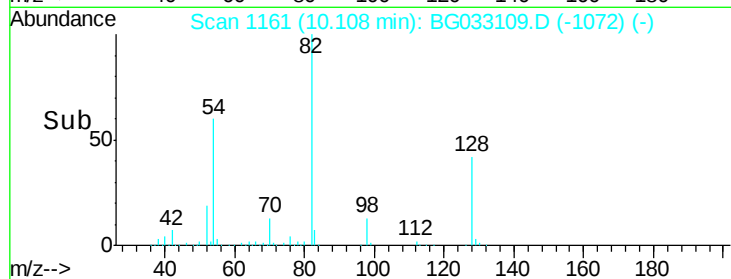
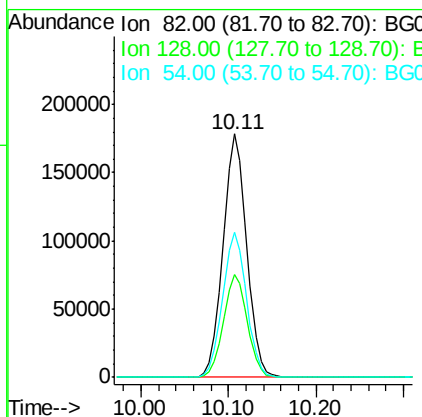
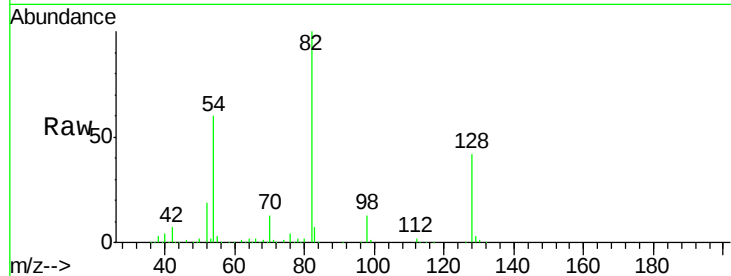




#23
 Nitrobenzene-d5
 Concen: 123.444 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

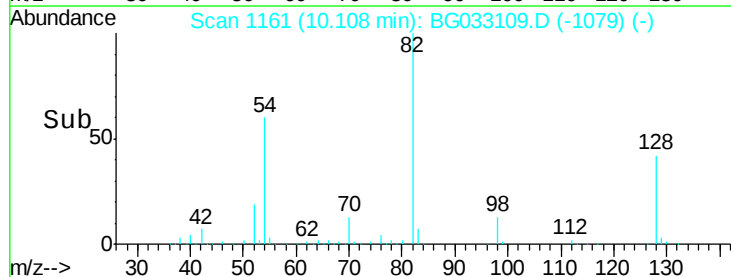
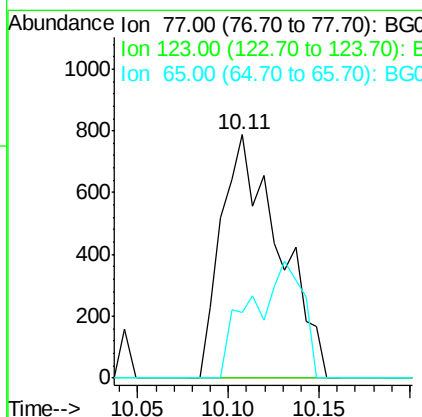
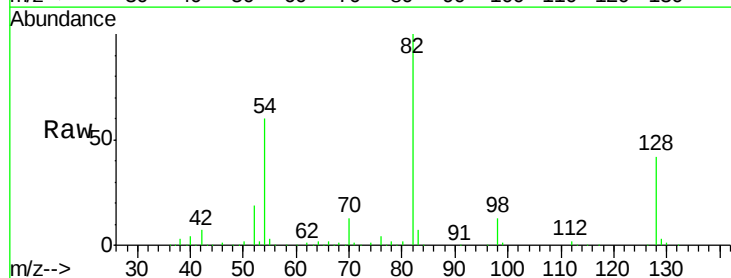
Instrument :
 BNA_G
 ClientSampleId :
 C19013071

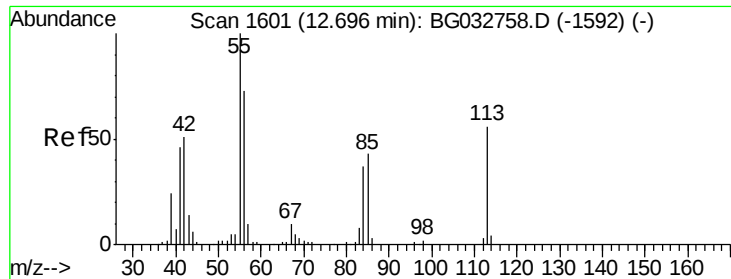
Tgt Ion: 82 Resp: 330759
 Ion Ratio Lower Upper
 82 100
 128 42.4 29.7 44.5
 54 59.7 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.912 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

Tgt Ion: 77 Resp: 1745
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 26.8 13.0 19.6#





#35

Caprolactam

Concen: 13.496 ng

RT: 12.65 min Scan# 1593

Delta R.T. -0.04 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

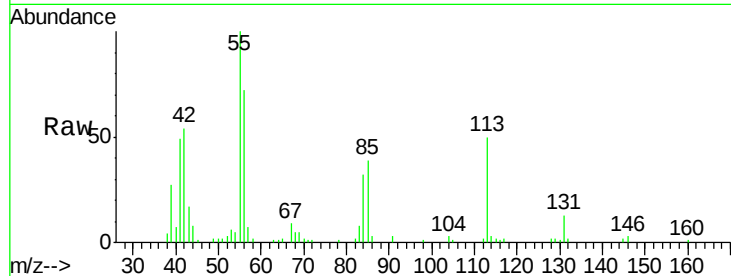
Tgt Ion:113 Resp: 13356

Ion Ratio Lower Upper

113 100

55 201.1 186.9 226.9

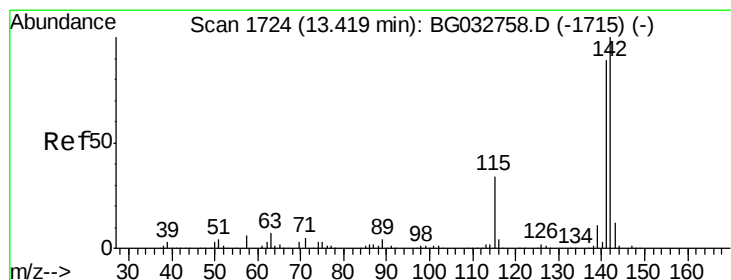
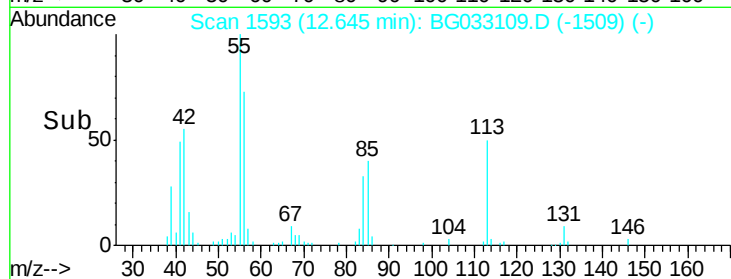
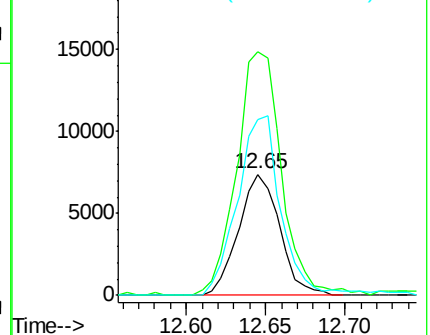
56 145.1 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#37

2-Methylnaphthalene

Concen: 2.818 ng

RT: 13.61 min Scan# 1757

Delta R.T. 0.21 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

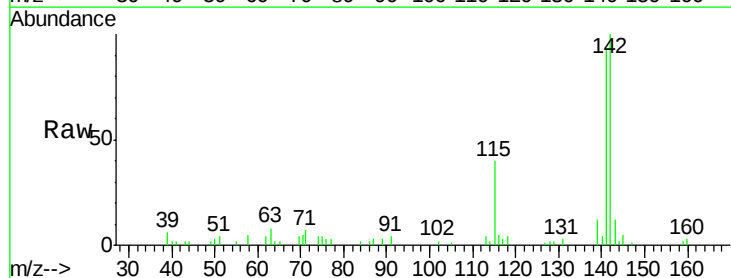
Tgt Ion:142 Resp: 19026

Ion Ratio Lower Upper

142 100

141 92.9 67.1 100.7

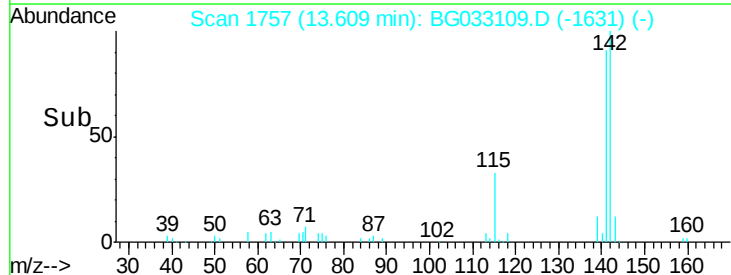
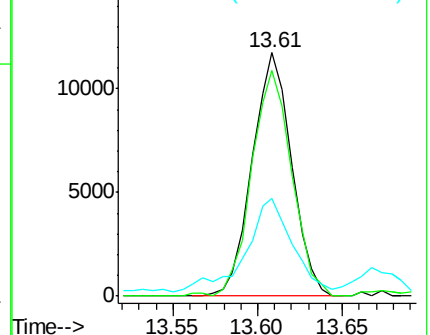
115 39.9 30.7 46.1

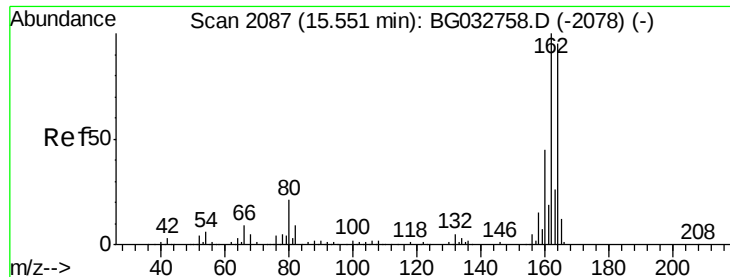


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

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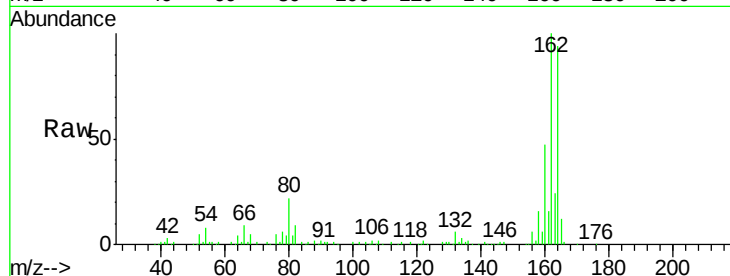
Tgt Ion:164 Resp: 102027

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

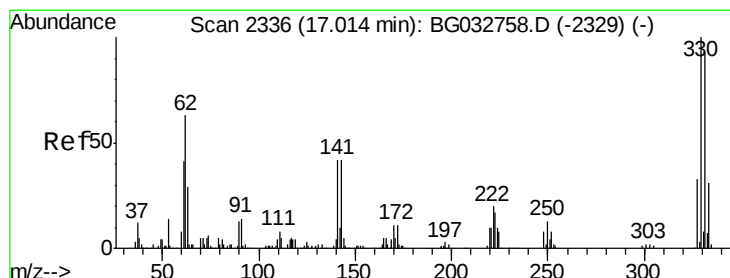
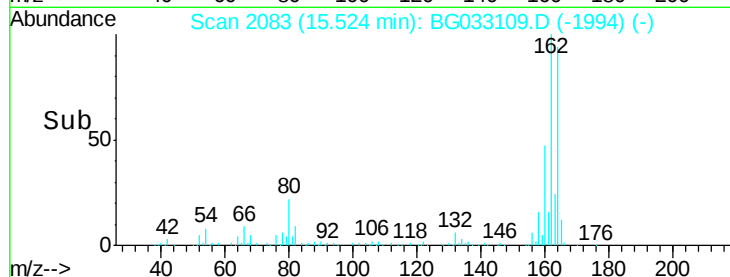
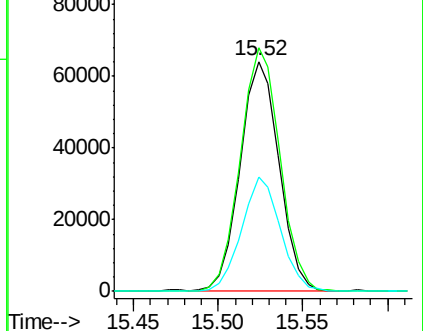
160 49.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 193.913 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

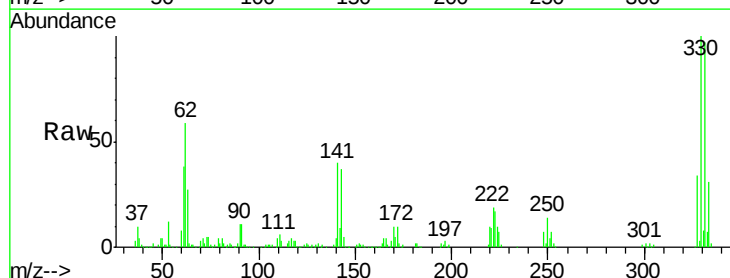
Tgt Ion:330 Resp: 208026

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

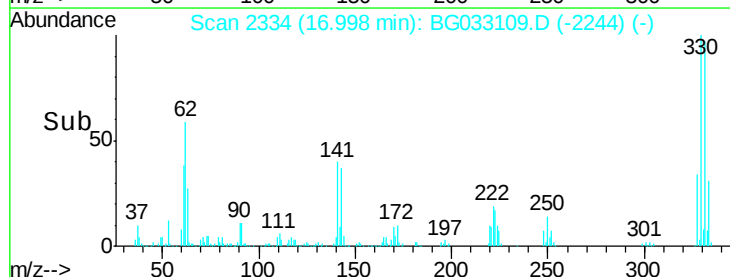
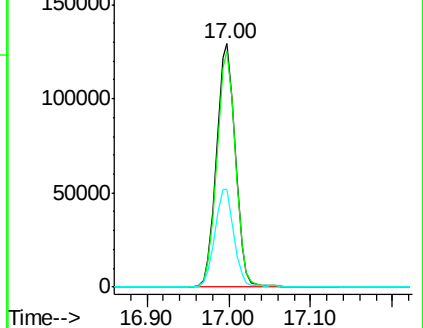
141 41.4 25.2 37.8#

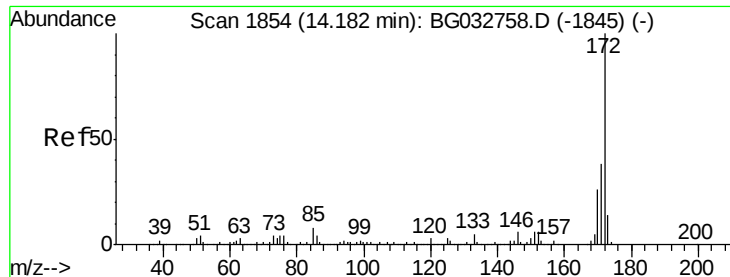


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

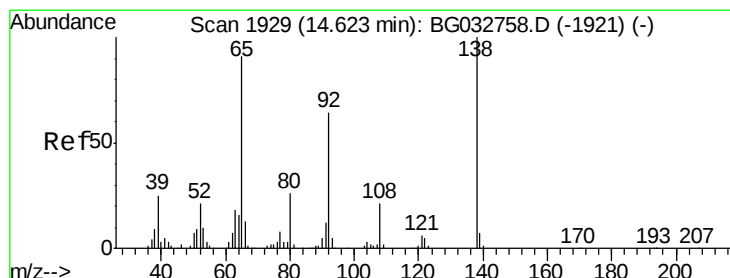
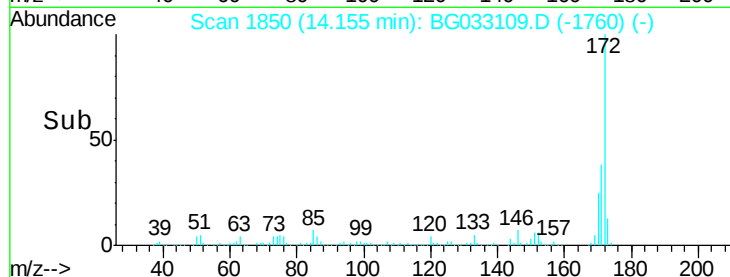
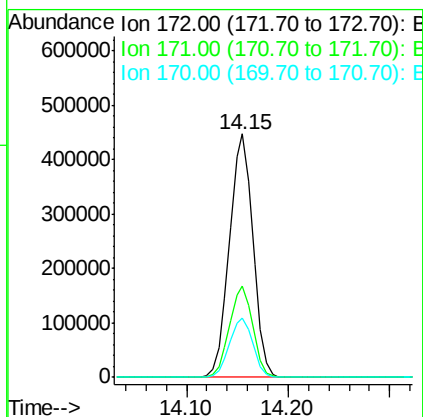
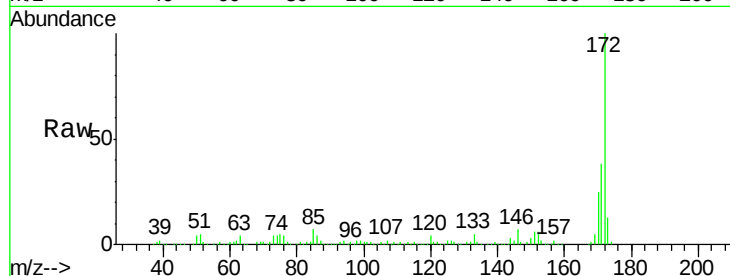




#44
2-Fluorobiphenyl
Concen: 101.500 ng
RT: 14.15 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

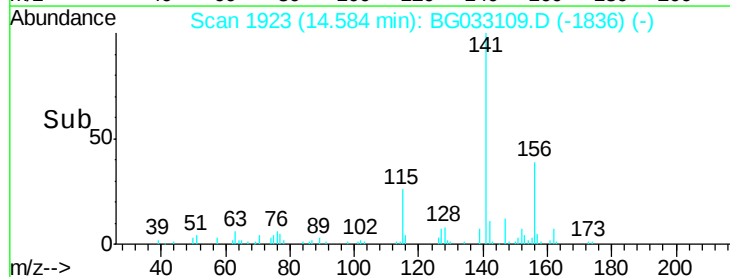
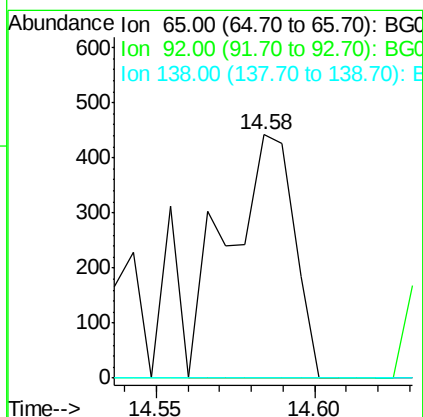
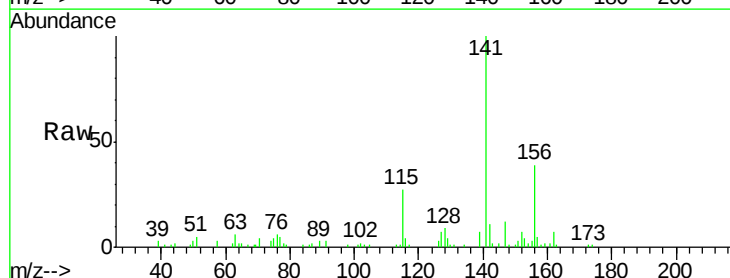
Instrument :
BNA_G
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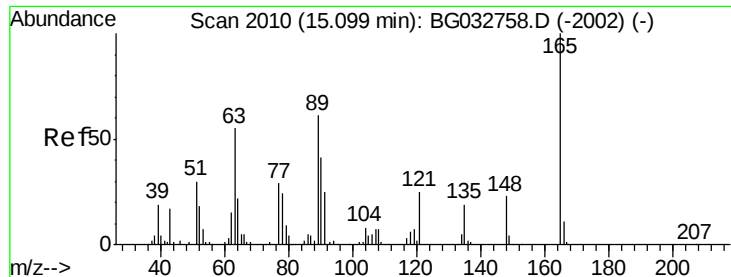
Tgt Ion: 172 Resp: 718027
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.5 19.5 29.3



#47
2-Nitroaniline
Concen: 10.142 ng
RT: 14.58 min Scan# 1923
Delta R.T. -0.02 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Tgt Ion: 65 Resp: 648
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

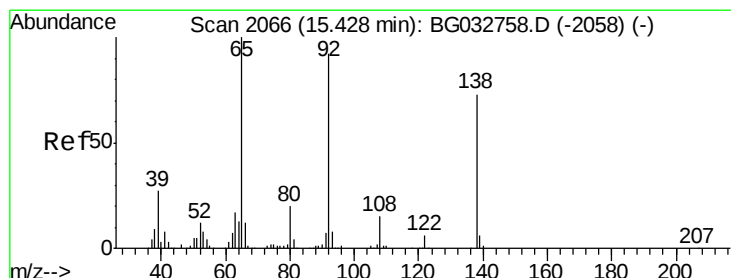
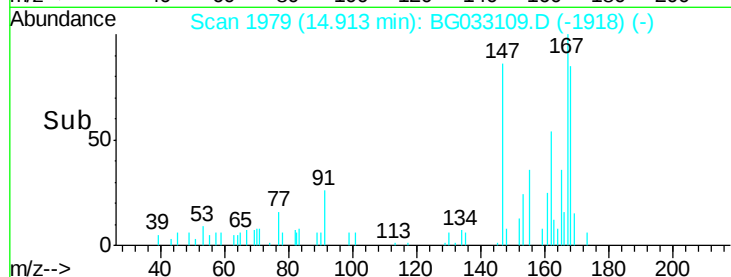
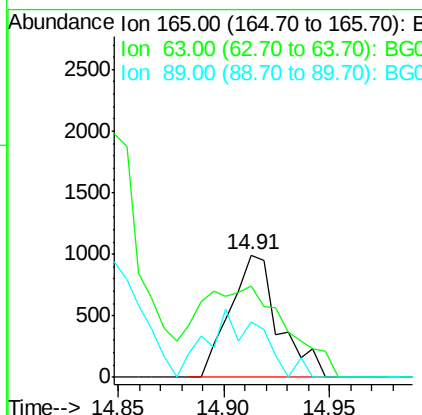
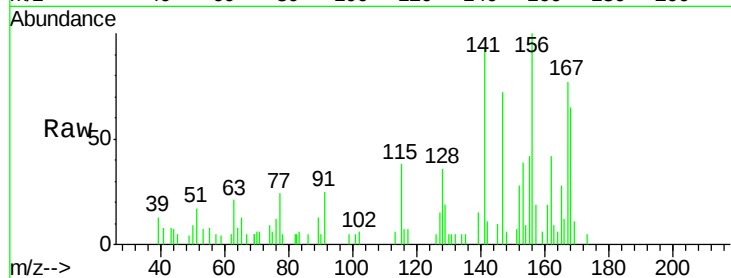




#50
 2,6-Dinitrotoluene
 Concen: 9.799 ng
 RT: 14.91 min Scan# 1979
 Delta R.T. -0.17 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

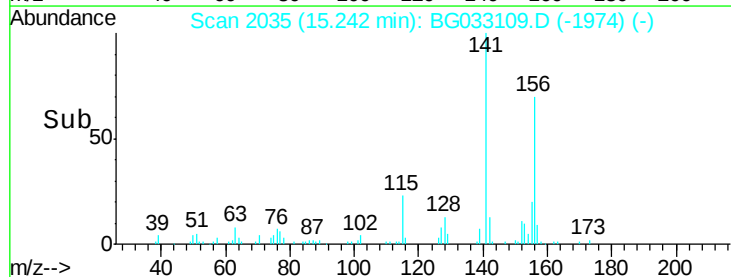
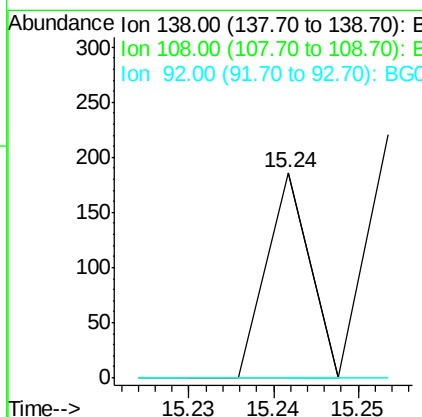
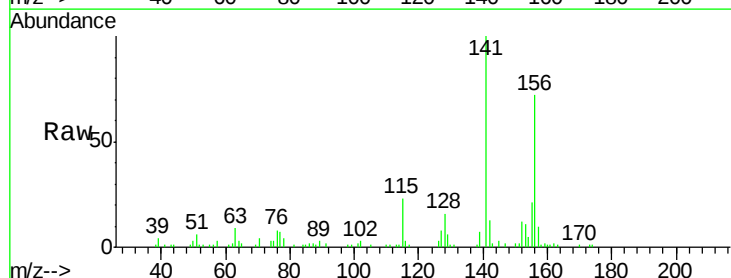
Instrument :
 BNA_G
 ClientSampleId :
 C19013071

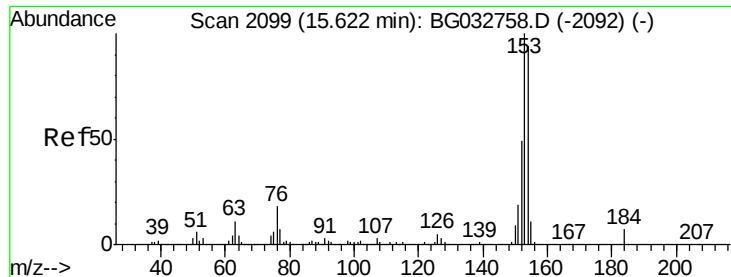
Tgt Ion:165 Resp: 1586
 Ion Ratio Lower Upper
 165 100
 63 75.1 52.7 79.1
 89 45.4 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 7.575 ng
 RT: 15.24 min Scan# 2035
 Delta R.T. -0.17 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

Tgt Ion:138 Resp: 66
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#

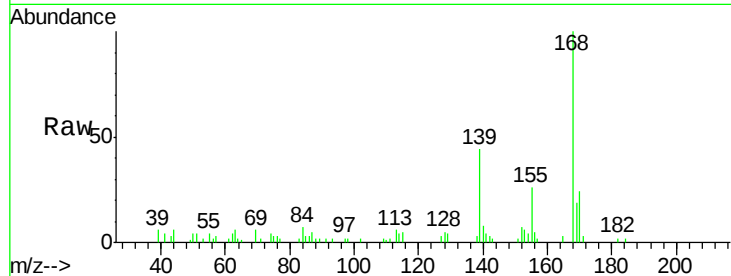




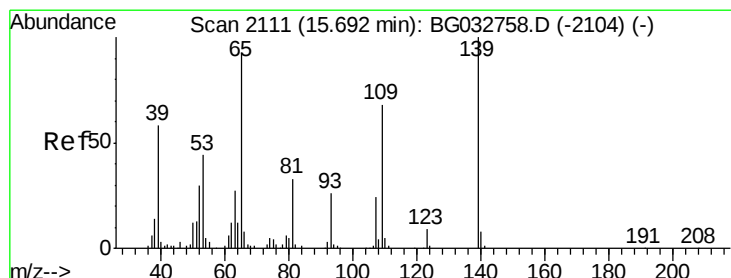
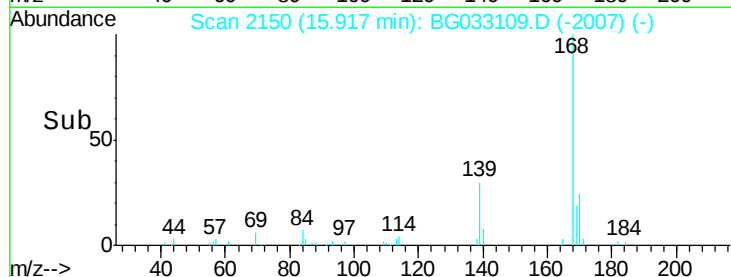
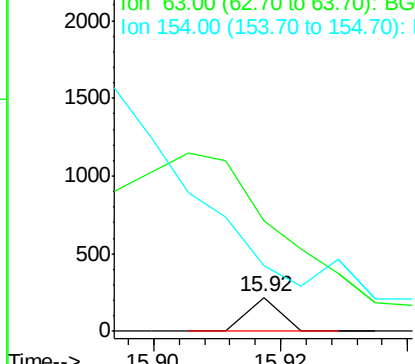
#53
2,4-Dinitrophenol
Concen: 3.629 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.31 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Instrument :
BNA_G
ClientSampleId :
C19013071

Tgt Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 329.5 59.8 89.8#
154 196.3 101.8 152.8#

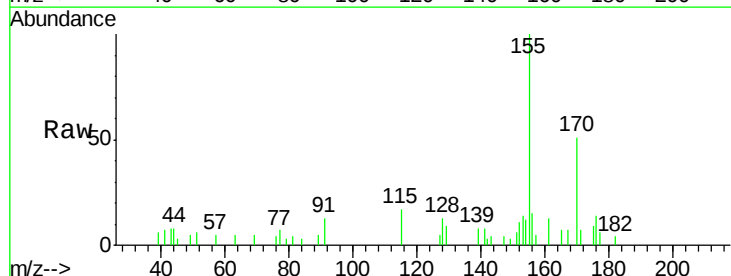


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

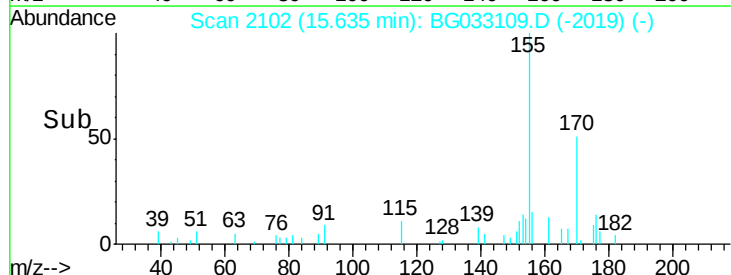
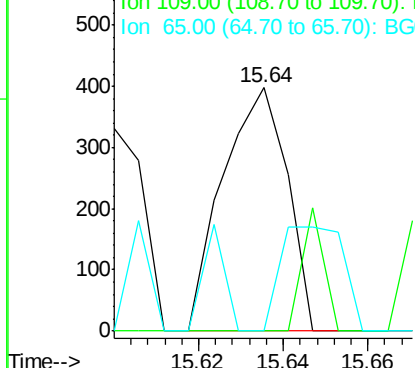


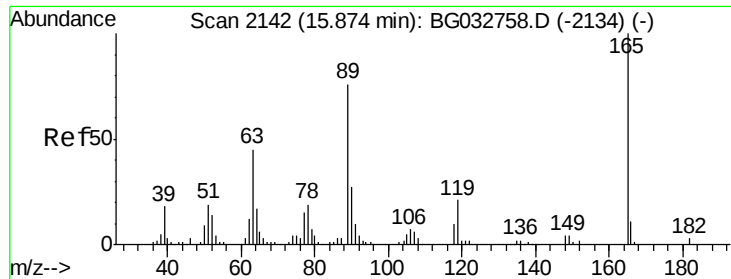
#55
4-Nitrophenol
Concen: 7.350 ng
RT: 15.64 min Scan# 2102
Delta R.T. -0.04 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Tgt Ion:139 Resp: 419
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

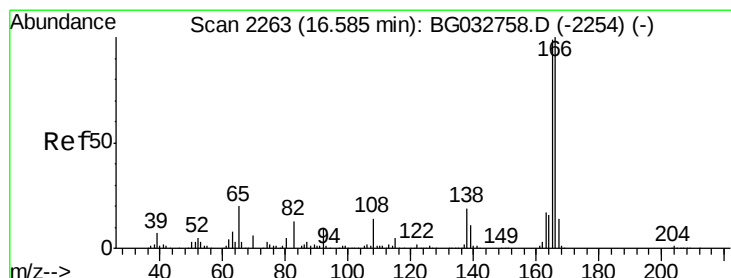
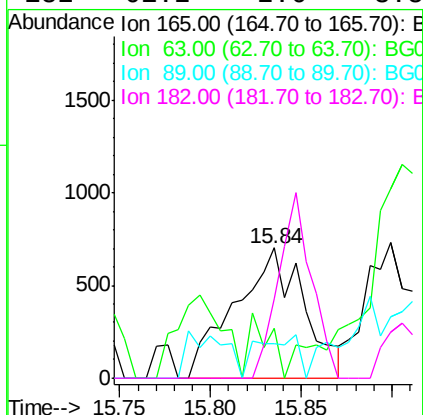
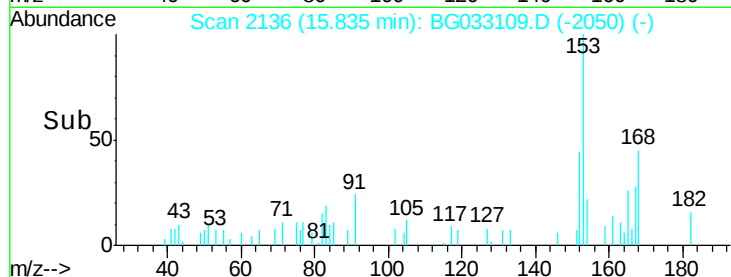
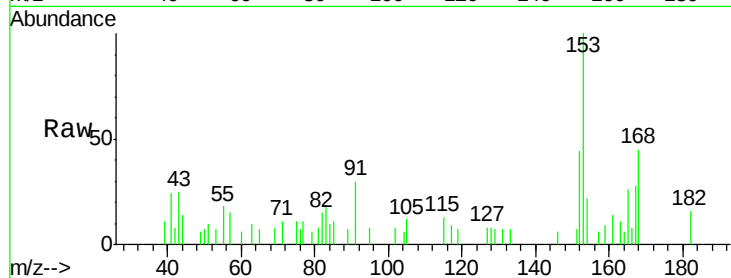




#56
2,4-Dinitrotoluene
Concen: 7.932 ng
RT: 15.84 min Scan# 2136
Delta R.T. -0.02 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

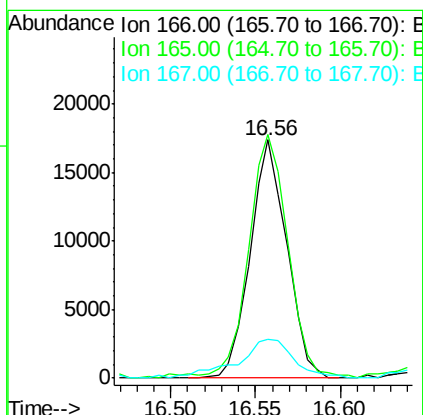
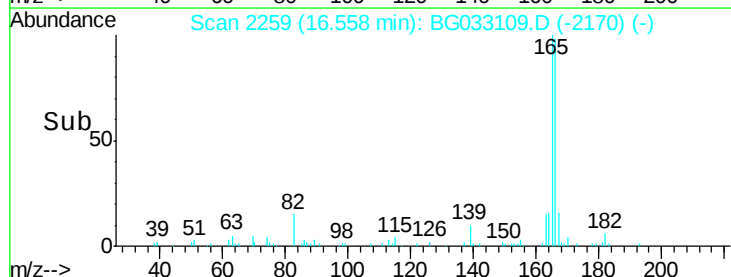
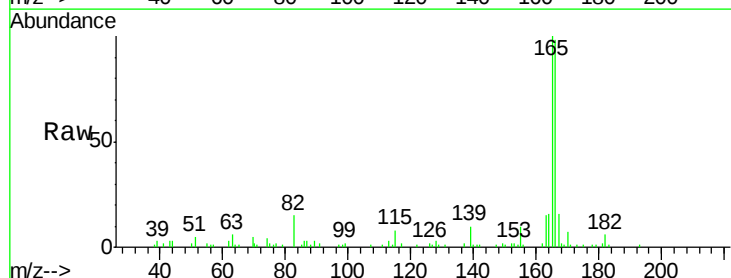
Instrument :
BNA_G
ClientSampleId :
C19013071

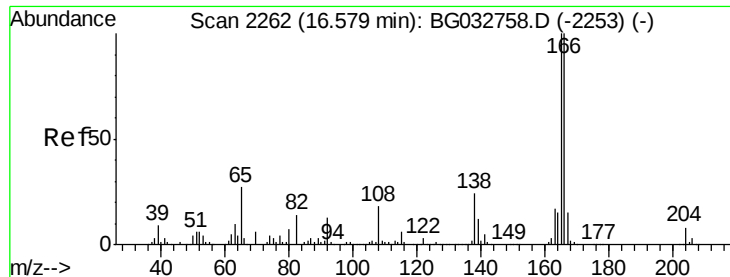
Tgt Ion:165 Resp: 1865
Ion Ratio Lower Upper
165 100
63 37.8 42.0 63.0#
89 26.7 66.9 100.3#
182 61.2 2.6 3.8#



#57
Fluorene
Concen: 3.264 ng
RT: 16.56 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Tgt Ion:166 Resp: 26045
Ion Ratio Lower Upper
166 100
165 102.3 80.6 121.0
167 16.3 10.4 15.6#

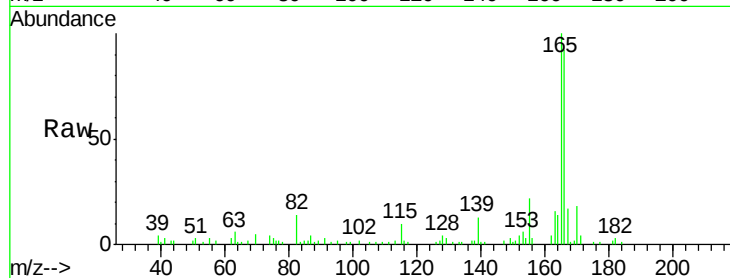




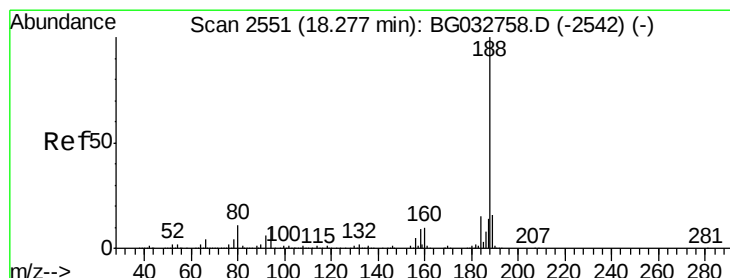
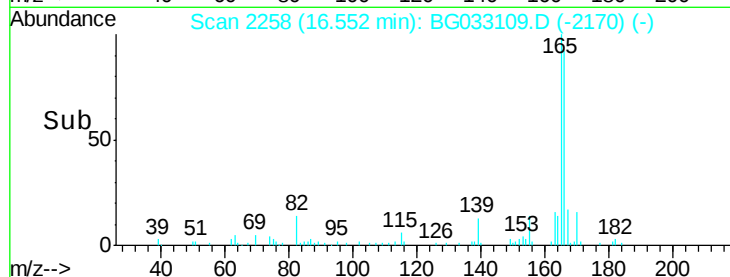
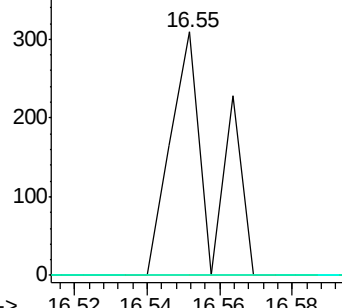
#61
4-Nitroaniline
Concen: 5.417 ng
RT: 16.55 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Instrument :
BNA_G
ClientSampleId :
C19013071

Tgt Ion:138 Resp: 247
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

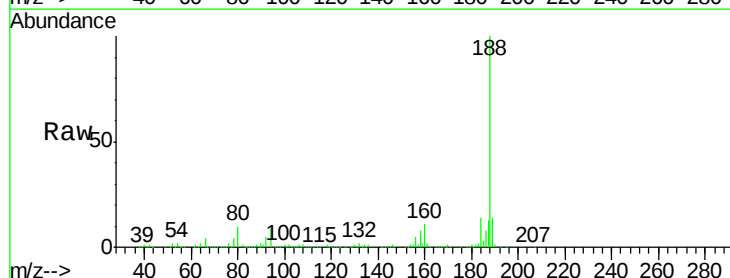


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

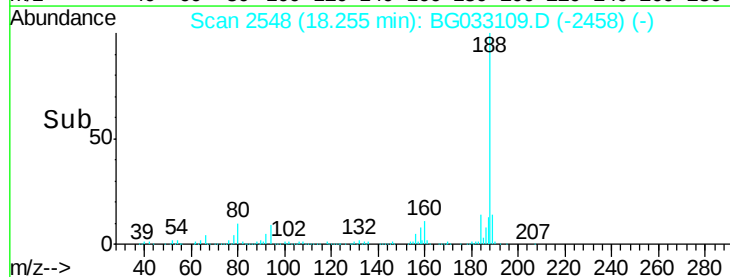
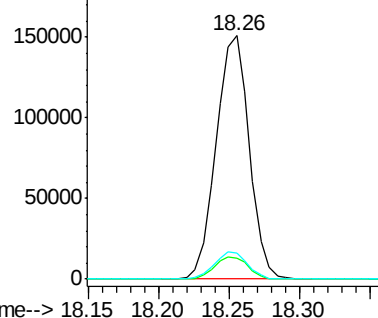


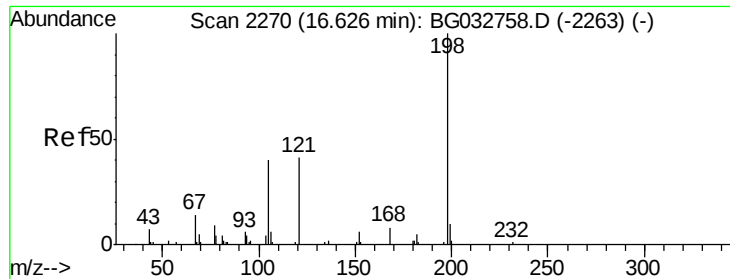
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Tgt Ion:188 Resp: 247571
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 10.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.730 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

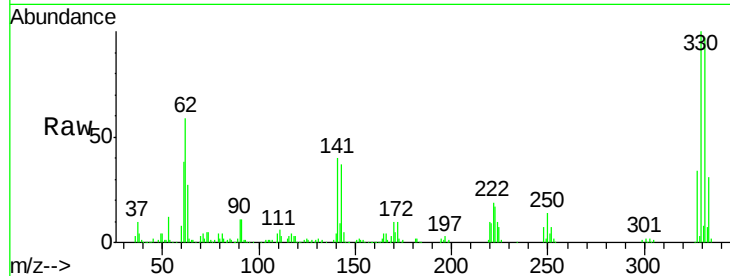
Tgt Ion:198 Resp: 455

Ion Ratio Lower Upper

198 100

51 165.3 30.6 70.6#

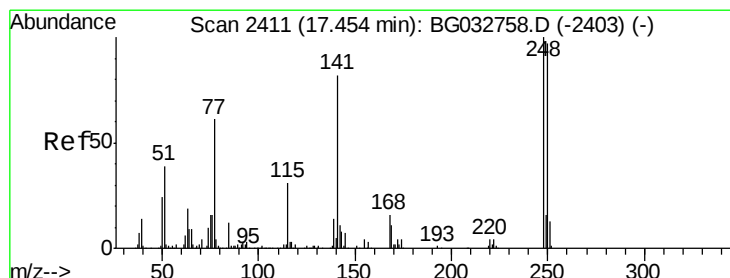
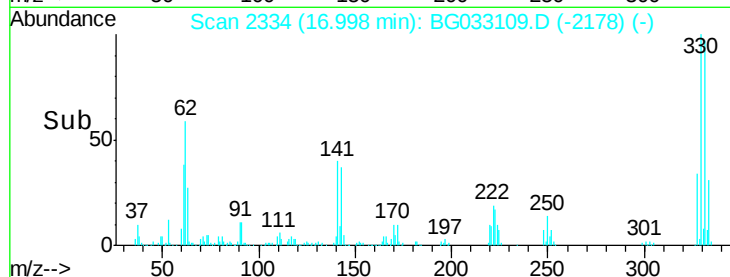
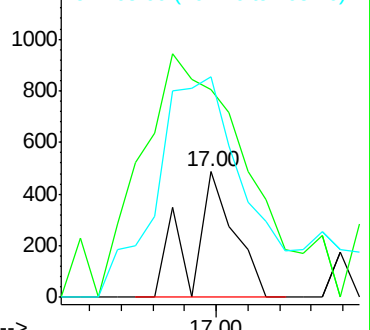
105 175.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.447 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

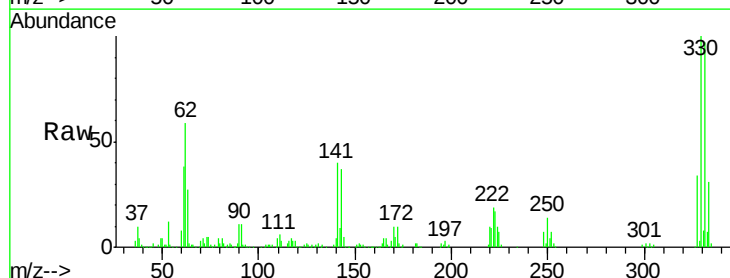
Tgt Ion:248 Resp: 14259

Ion Ratio Lower Upper

248 100

250 201.5 77.1 115.7#

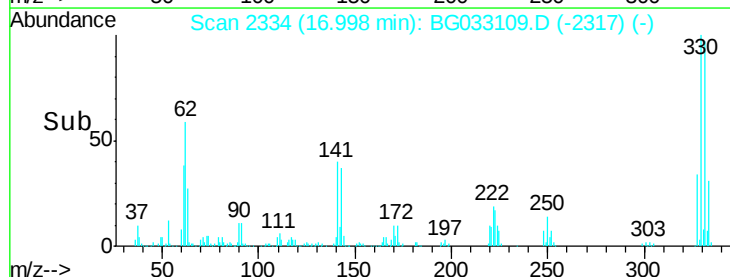
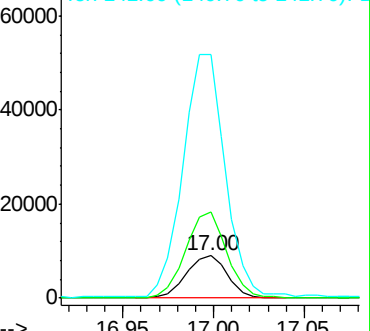
141 571.2 50.8 76.2#

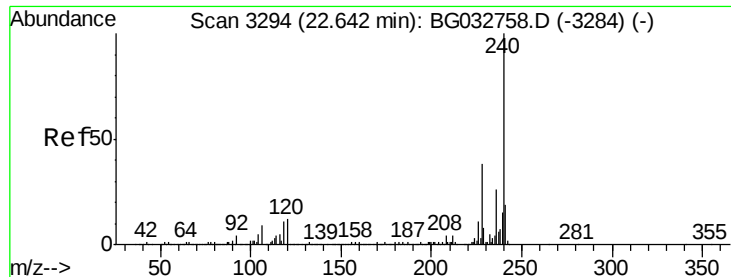


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

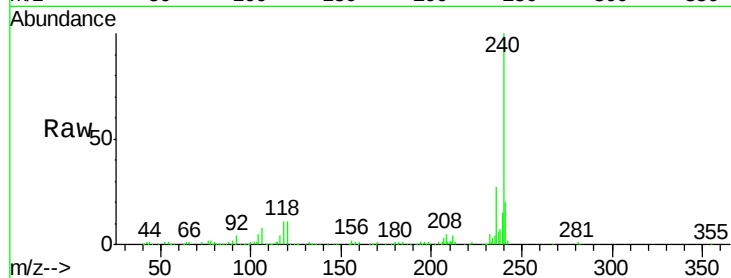
Tgt Ion:240 Resp: 241050

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

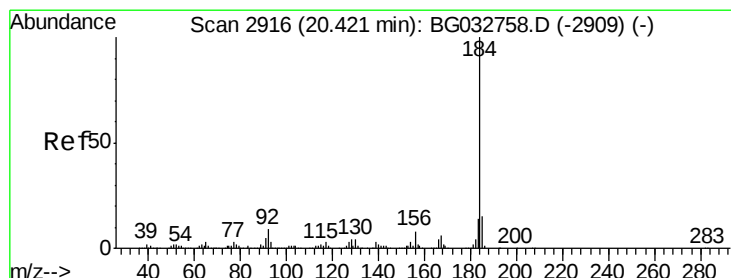
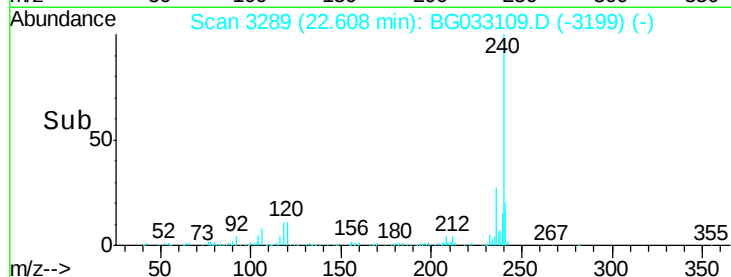
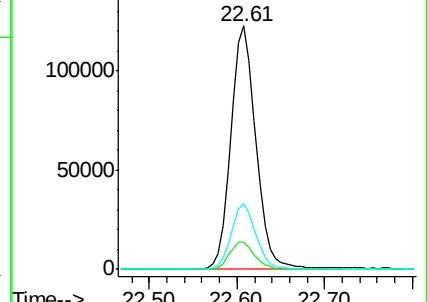
236 27.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.374 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

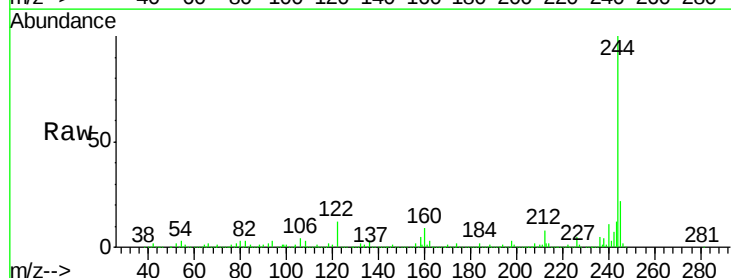
Tgt Ion:184 Resp: 19503

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

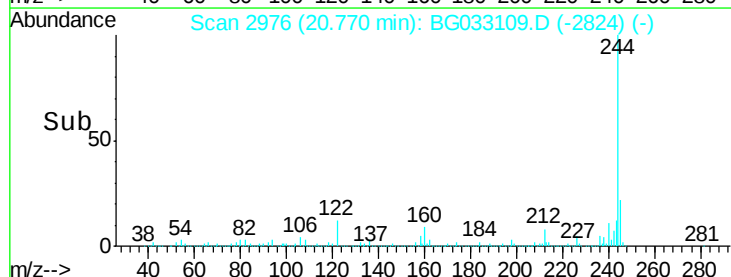
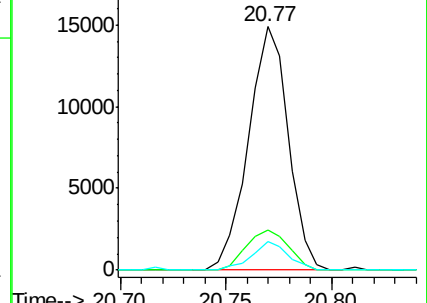
183 11.7 10.6 16.0

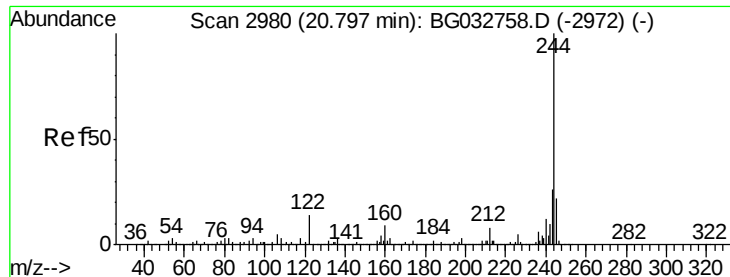


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.945 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

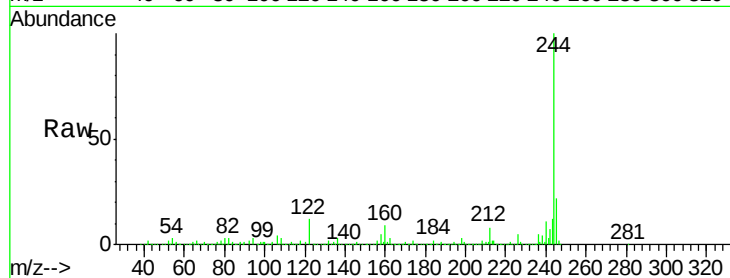
Tgt Ion:244 Resp: 1147406

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

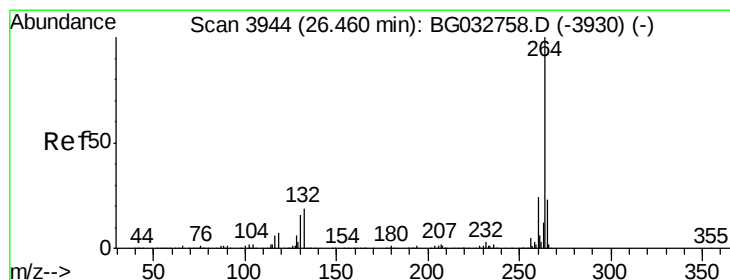
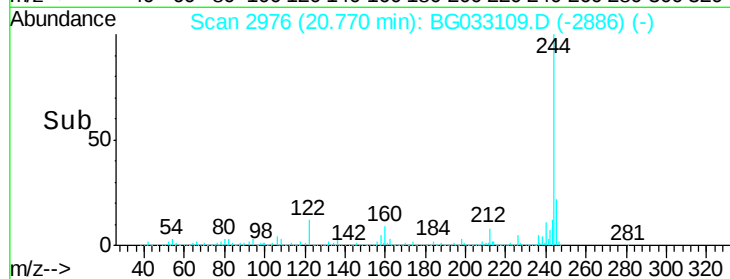
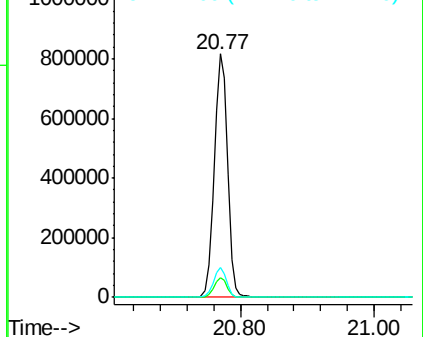
122 12.3 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

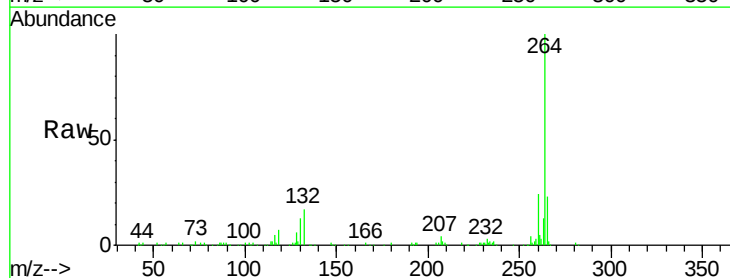
Tgt Ion:264 Resp: 254373

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 23.4 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

