

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033062.D
 Acq On : 9 Mar 2018 5:25
 Operator : SJ/JU
 Sample : J1826-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 07:31:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

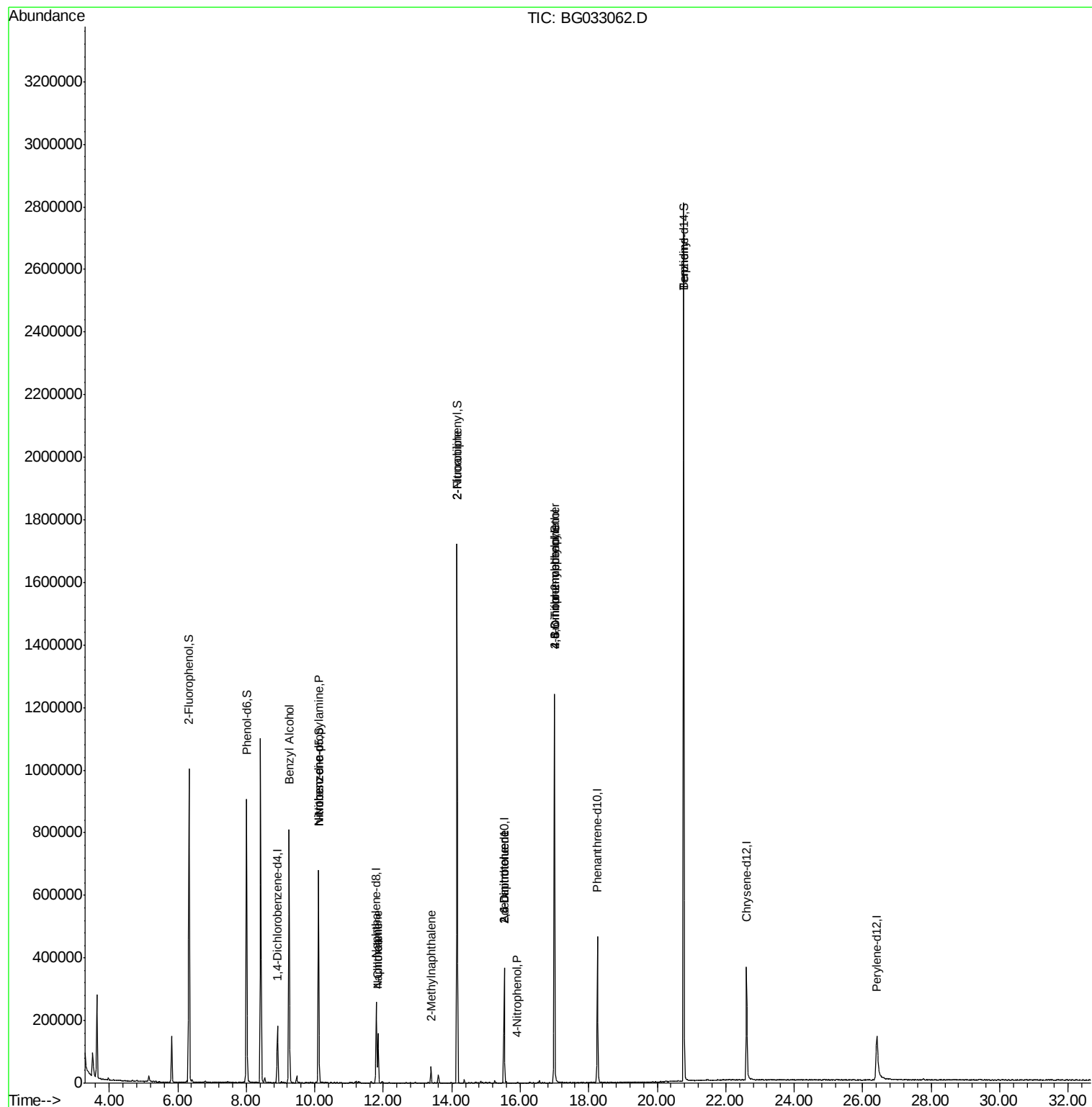
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	54253	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	227869	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	127339	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	285426	20.00	ng	0.00
75) Chrysene-d12	22.61	240	261529	20.00	ng	0.00
86) Perylene-d12	26.41	264	225575	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	461387	136.06	ng	0.00
7) Phenol-d6	8.01	99	550546	116.47	ng	0.00
23) Nitrobenzene-d5	10.11	82	423186	123.76	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	229110	171.11	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	887971	100.57	ng	0.00
78) Terphenyl-d14	20.78	244	1322894	113.65	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.25	79	6979	2.008	ng	Qvalue 37
19) n-Nitroso-di-n-propylamine	10.11	70	55945	16.765	ng	# 86
24) Nitrobenzene	10.11	77	1424	6.720	ng	# 47
31) Naphthalene	11.85	128	140404	11.792	ng	# 97
33) 4-Chloroaniline	11.85	127	18766	3.525	ng	# 35
37) 2-Methylnaphthalene	13.40	142	25697	2.983	ng	# 90
47) 2-Nitroaniline	14.16	65	1608	10.446	ng	# 8
50) 2,6-Dinitrotoluene	15.52	165	16623	16.465	ng	# 19
55) 4-Nitrophenol	15.92	139	979	7.585	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	16623	14.663	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	661	5.931	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15750	5.219	ng	# 1
76) Benzidine	20.78	184	23214	2.604	ng	# 91

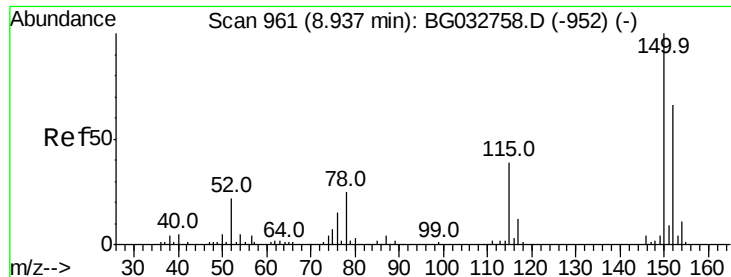
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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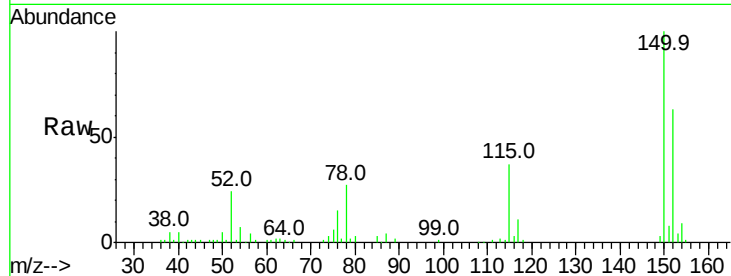


#1

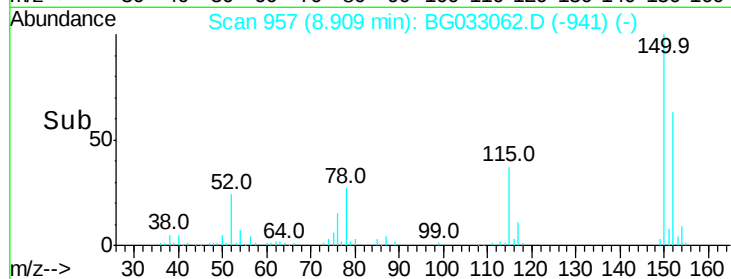
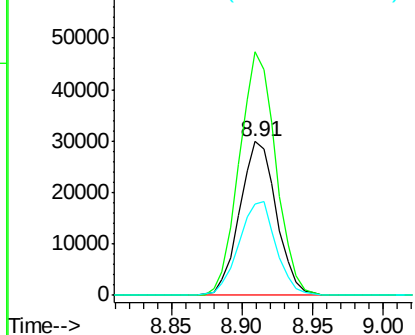
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54253
Ion Ratio Lower Upper
152 100
150 158.2 126.6 189.8
115 59.0 53.0 79.4



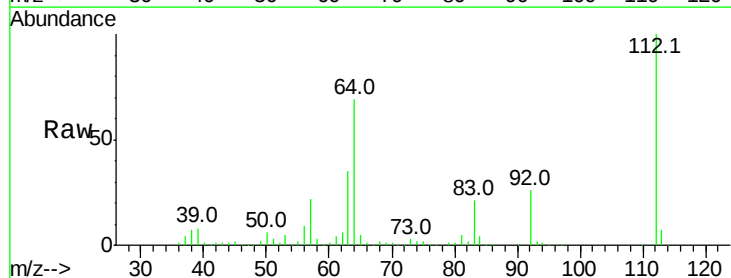
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



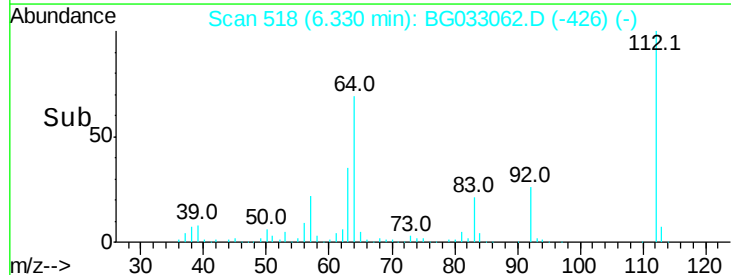
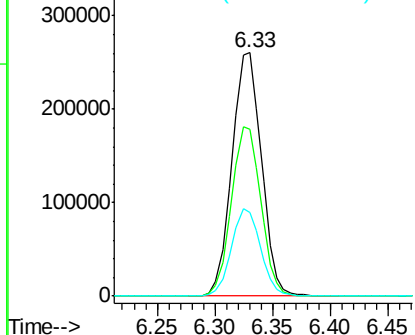
#5

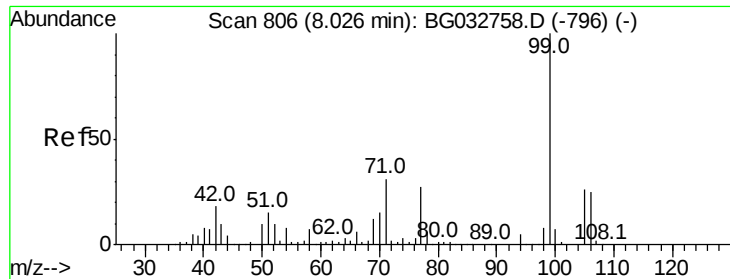
2-Fluorophenol
Concen: 136.057 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Tgt Ion:112 Resp: 461387
Ion Ratio Lower Upper
112 100
64 68.7 56.3 84.5
63 34.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 116.475 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampleId :

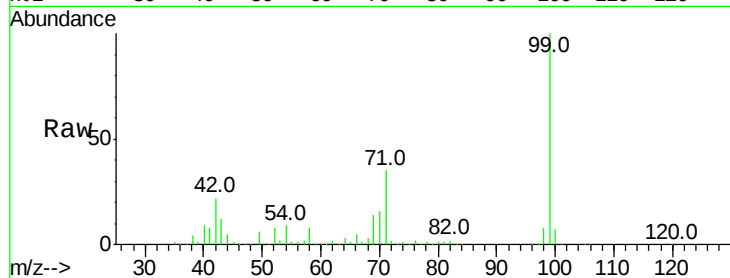
Tot Ion: 99 Resp: 550546

Ion Ratio Lower Upper

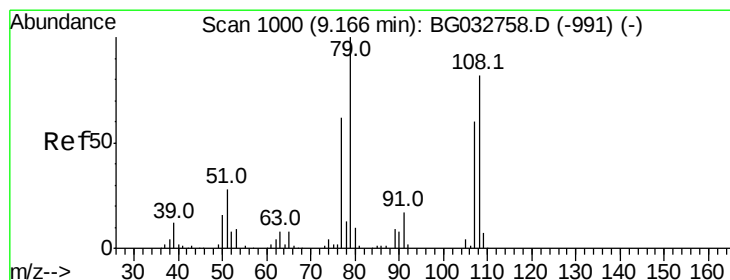
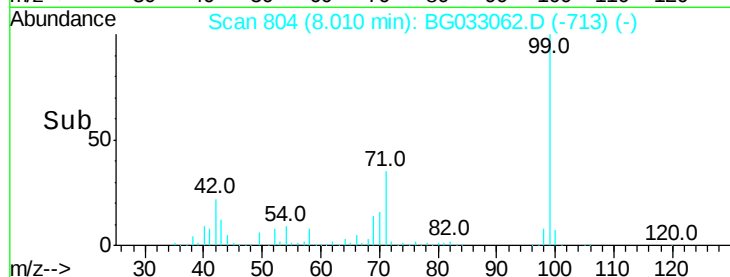
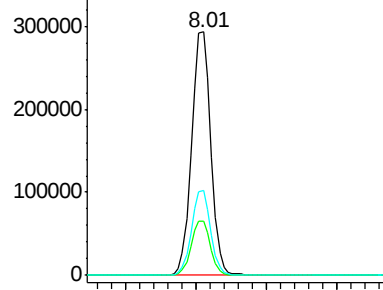
99 100

42 22.0 14.1 21.1#

71 34.7 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: 2.008 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

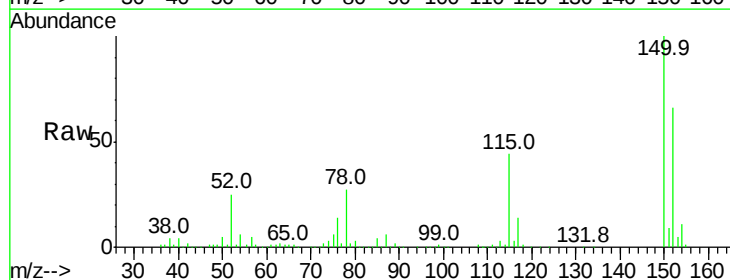
Tgt Ion: 79 Resp: 6979

Ion Ratio Lower Upper

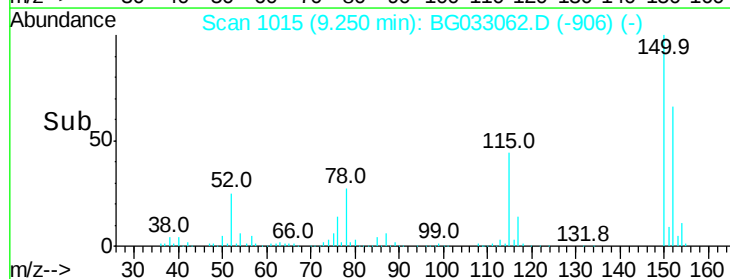
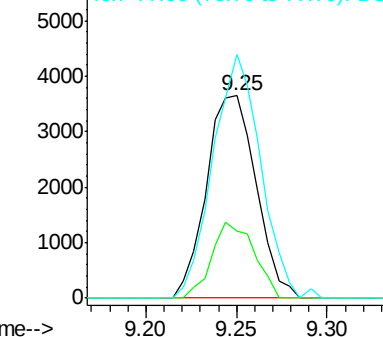
79 100

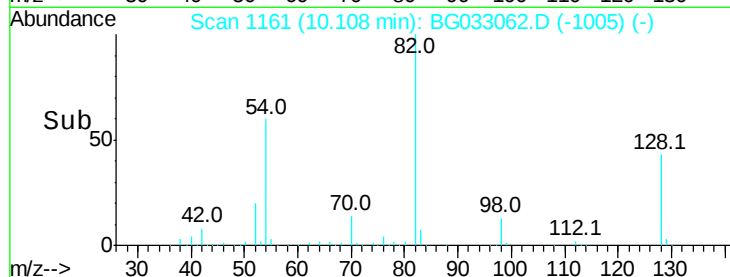
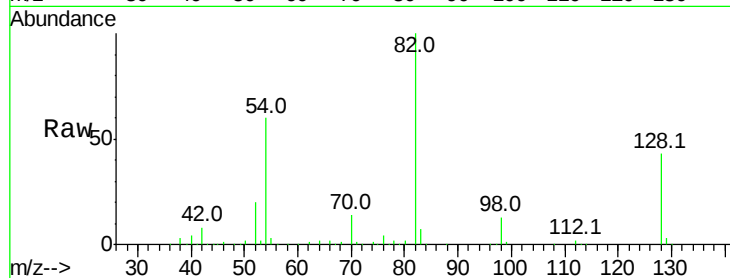
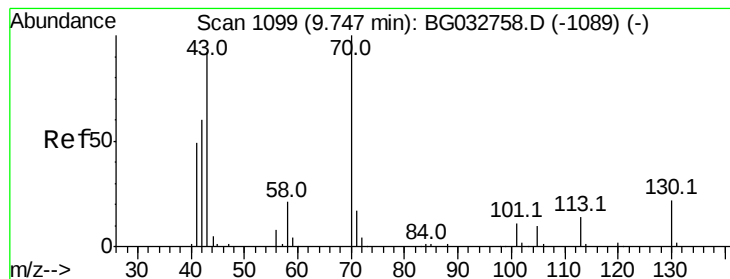
108 33.2 57.2 85.8#

77 120.4 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: 16.765 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 55945

Ion Ratio Lower Upper

70 100

42 57.2 49.1 73.7

101 0.0 8.5 12.7#

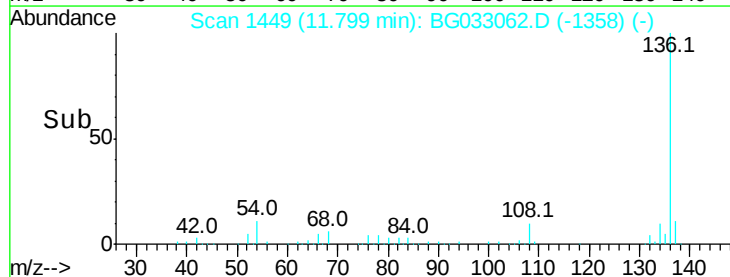
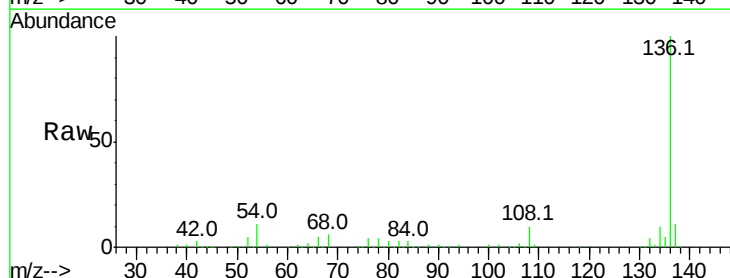
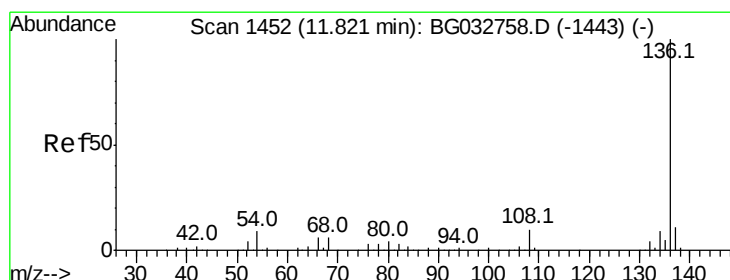
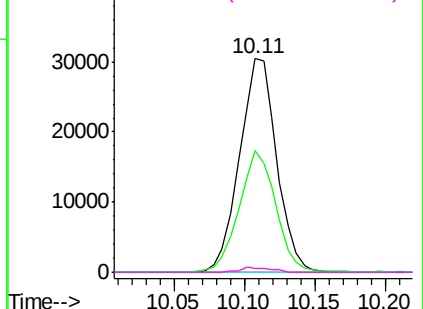
130 1.7 13.4 20.0#

Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.80 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Tgt Ion: 136 Resp: 227869

Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 10.6 10.3 15.5

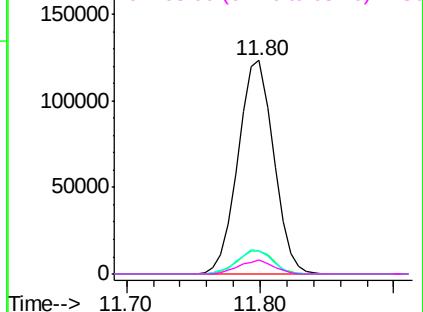
68 6.3 4.5 6.7

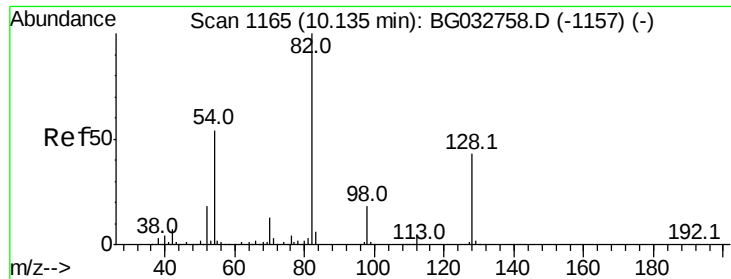
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 123.760 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampled :

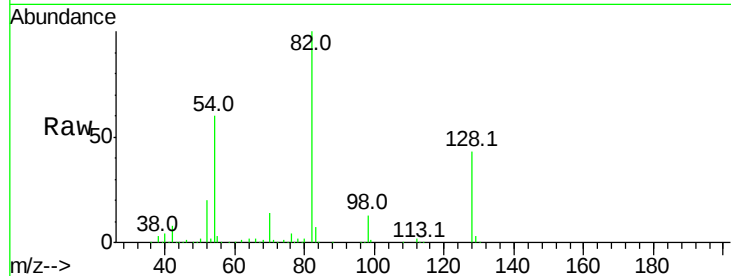
Tot Ion: 82 Resp: 423186

Ion Ratio Lower Upper

82 100

128 42.7 29.7 44.5

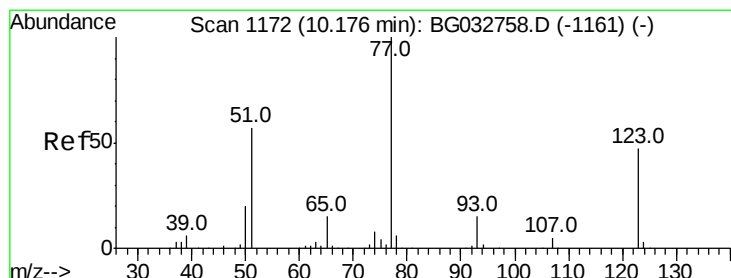
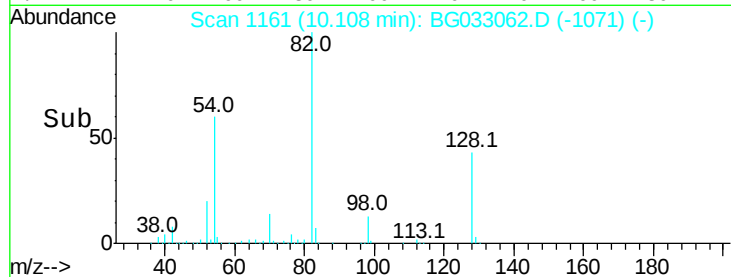
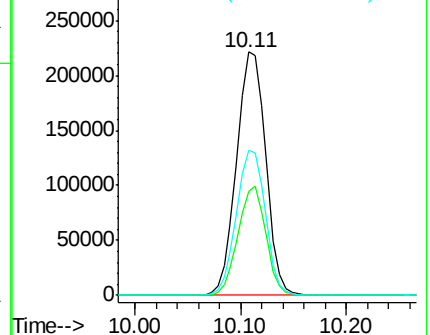
54 59.8 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.720 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

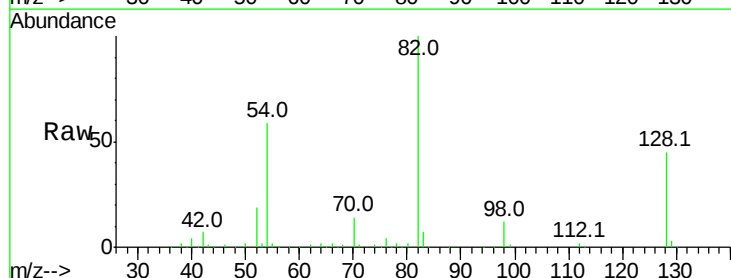
Tgt Ion: 77 Resp: 1424

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

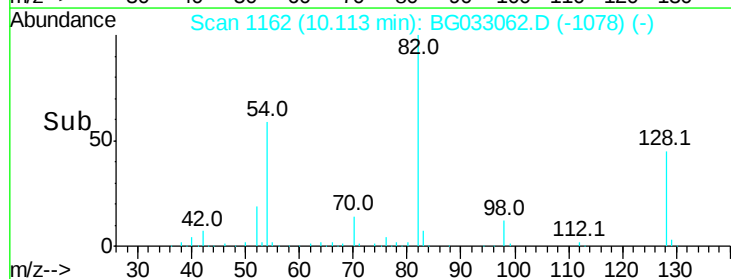
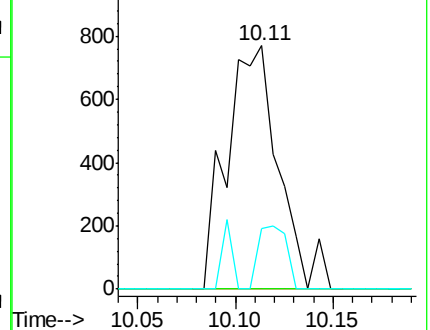
65 24.9 13.0 19.6#

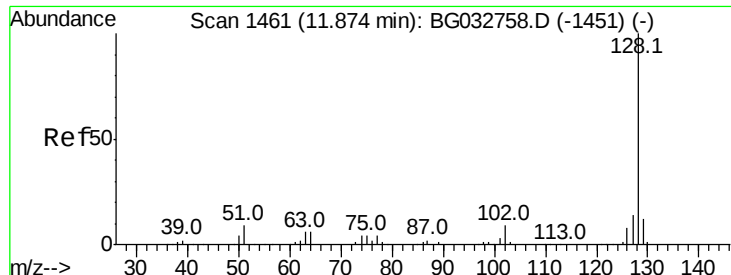


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#31

Naphthalene

Concen: 11.792 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampleId :

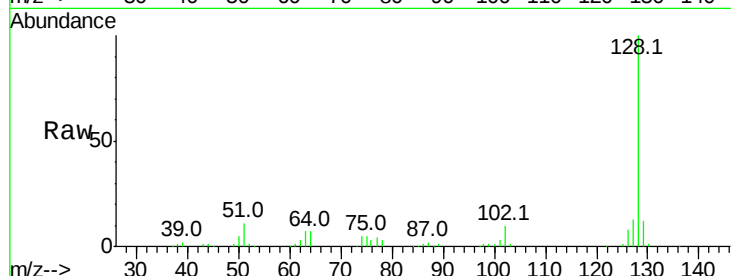
Tot Ion:128 Resp: 140404

Ion Ratio Lower Upper

128 100

129 11.8 8.6 12.8

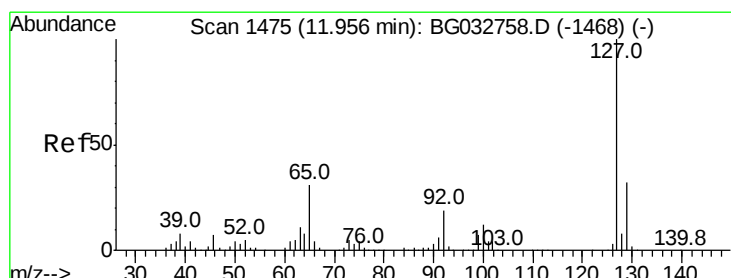
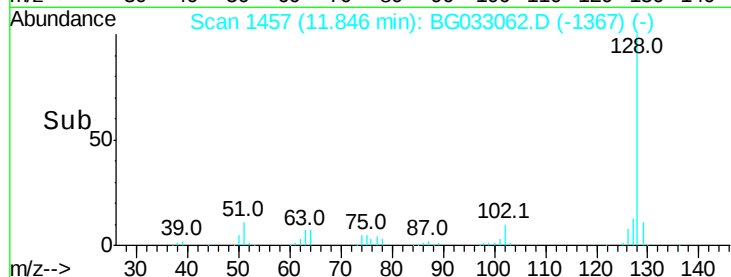
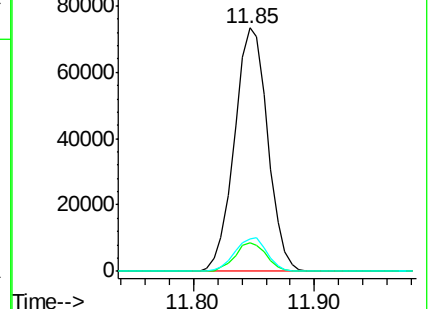
127 13.2 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 3.525 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.08 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Tgt Ion:127 Resp: 18766

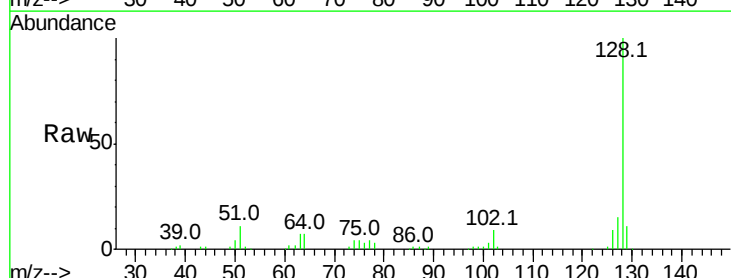
Ion Ratio Lower Upper

127 100

129 76.8 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

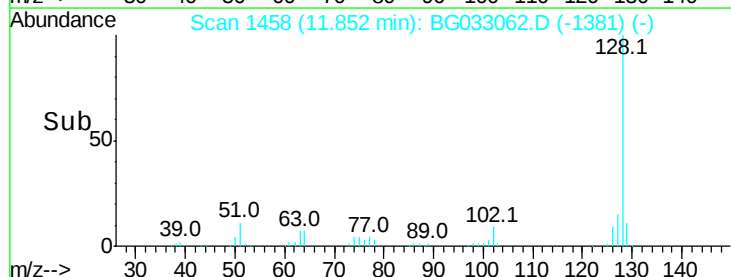
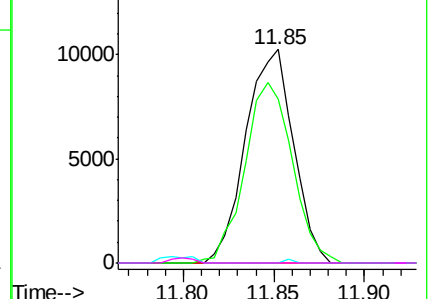


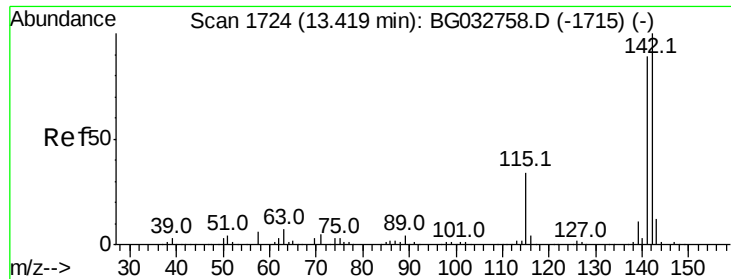
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

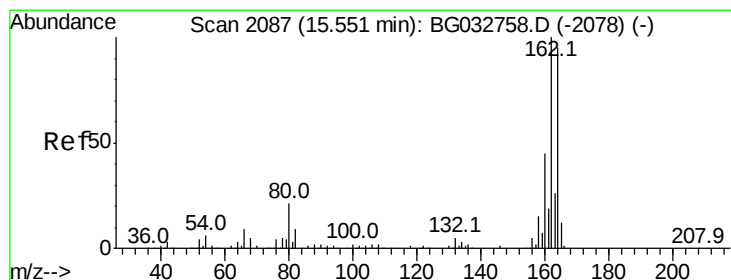
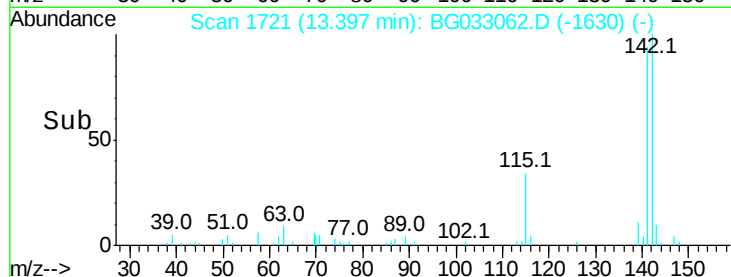
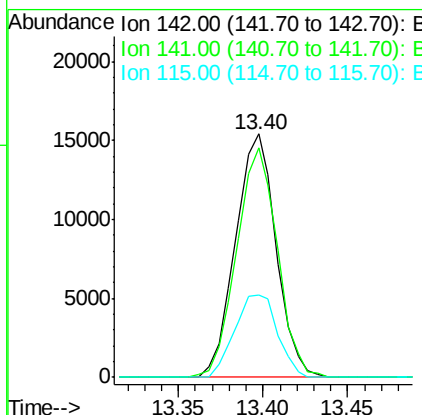
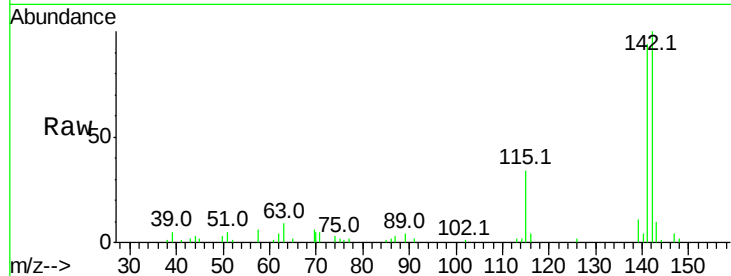




#37
2-Methylnaphthalene
Concen: 2.983 ng
RT: 13.40 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

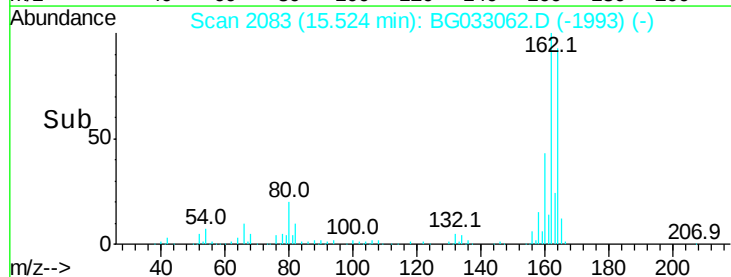
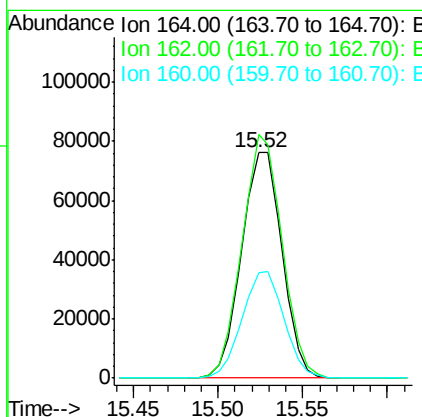
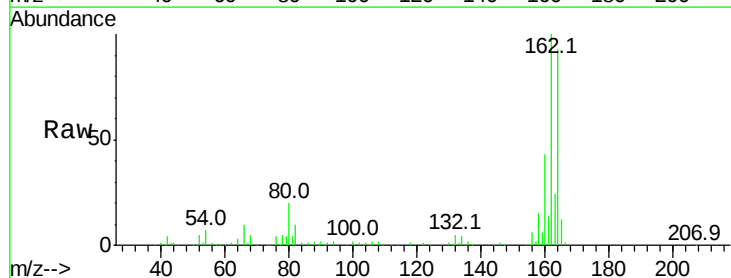
Instrument :
BNA_G
ClientSampleId :

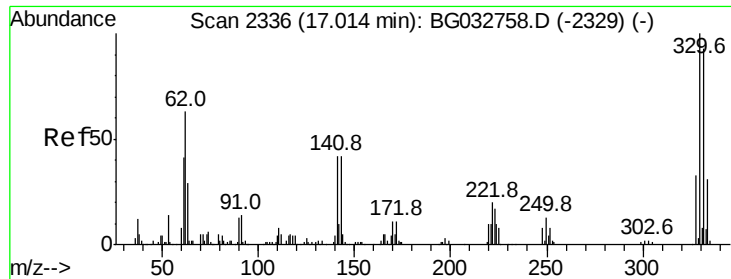
Tot Ion:142 Resp: 25697
Ion Ratio Lower Upper
142 100
141 94.4 67.1 100.7
115 33.7 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Tgt Ion:164 Resp: 127339
Ion Ratio Lower Upper
164 100
162 107.9 78.8 118.2
160 46.6 35.4 53.0

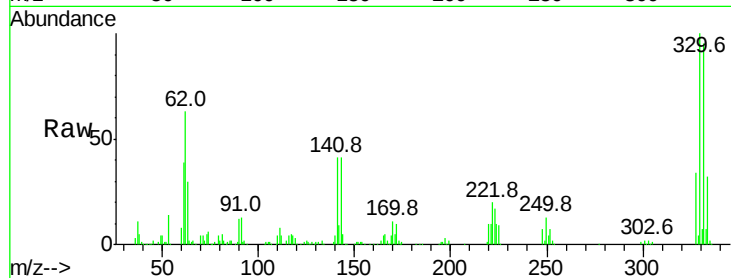




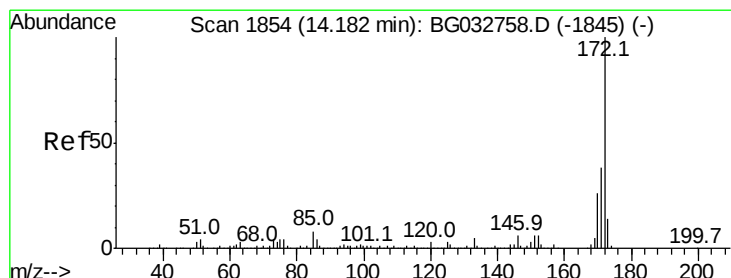
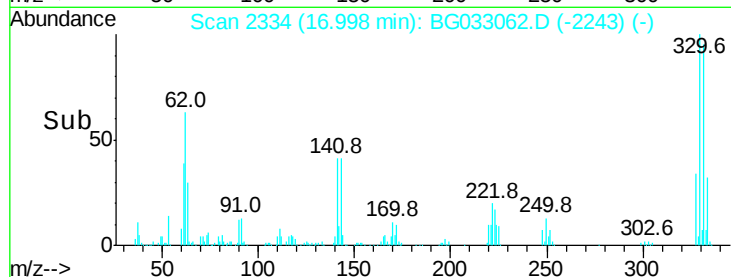
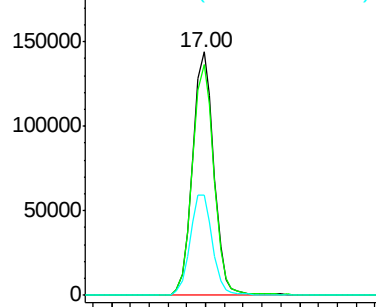
#41
 2,4,6-Tribromophenol
 Concen: 171.115 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033062.D
 Acq: 9 Mar 2018 5:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 229110
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 42.9 25.2 37.8#

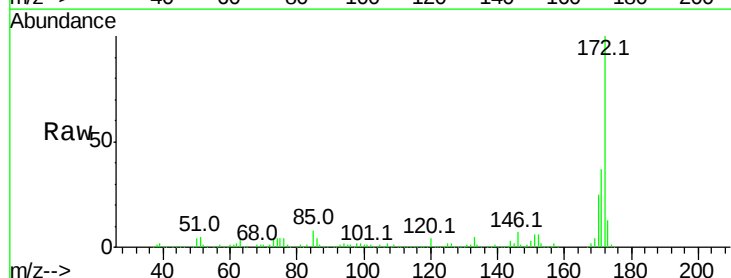


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

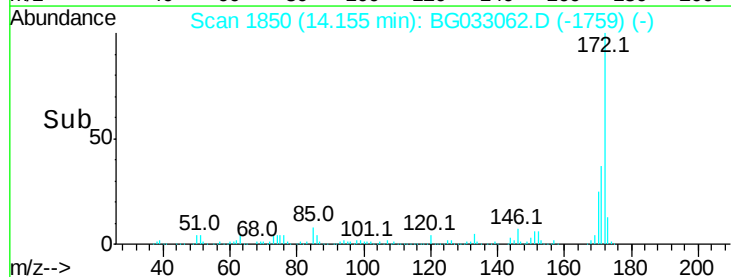
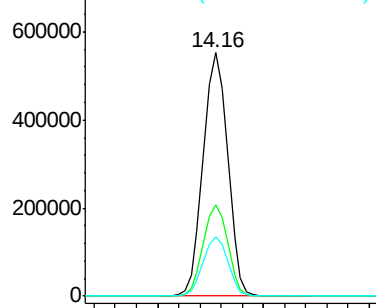


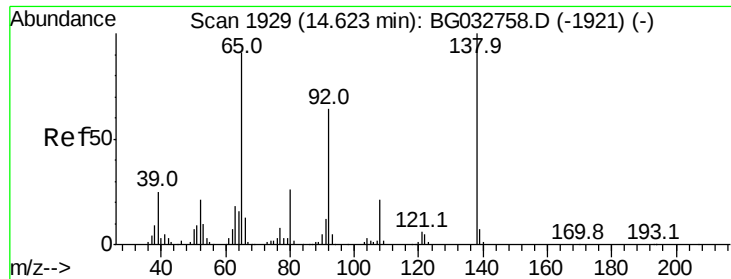
#44
 2-Fluorobiphenyl
 Concen: 100.572 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033062.D
 Acq: 9 Mar 2018 5:25

Tgt Ion:172 Resp: 887971
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

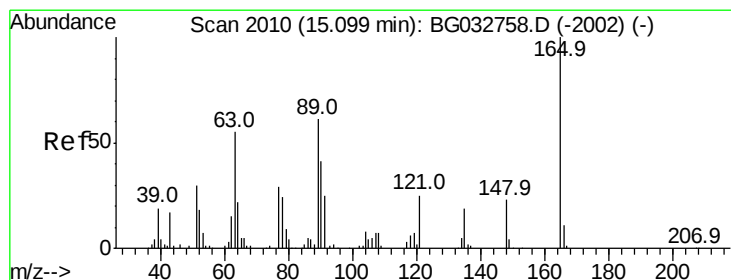
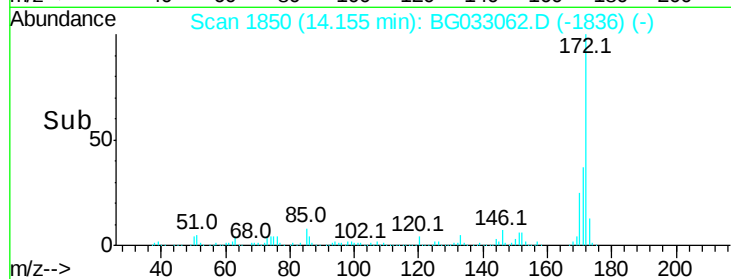
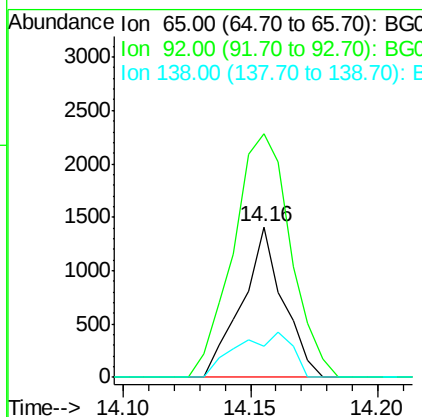
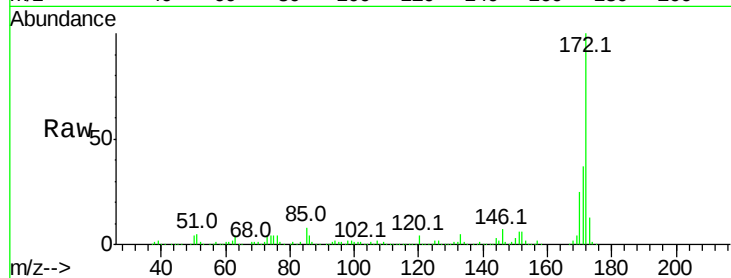




#47
2-Nitroaniline
Concen: 10.446 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

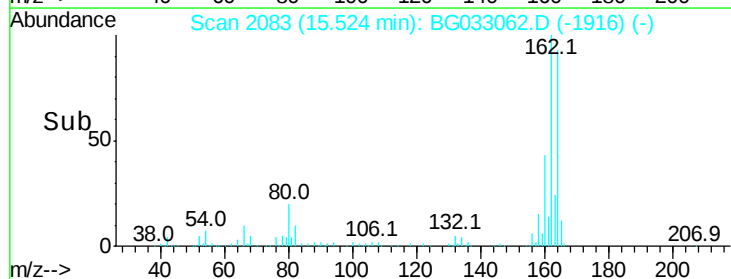
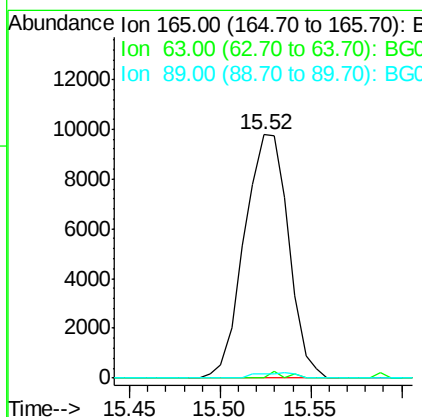
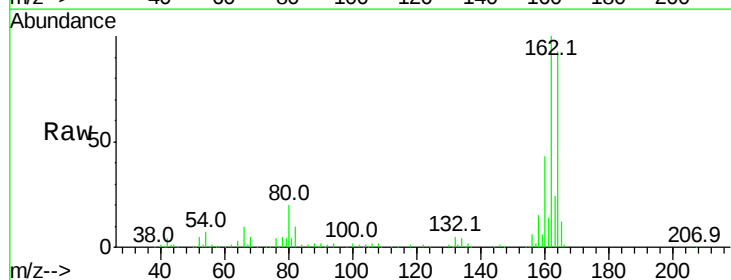
Instrument :
BNA_G
ClientSampleId :

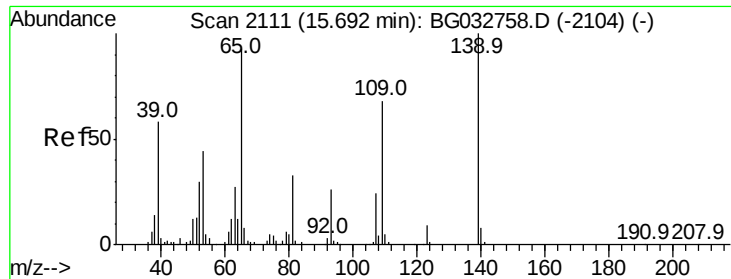
Tot Ion: 65 Resp: 1608
Ion Ratio Lower Upper
65 100
92 161.5 54.6 82.0#
138 21.1 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.465 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Tgt Ion:165 Resp: 16623
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.5 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.585 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampleId :

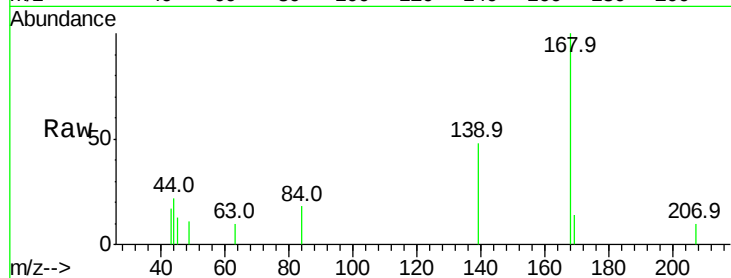
Tot Ion:139 Resp: 979

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

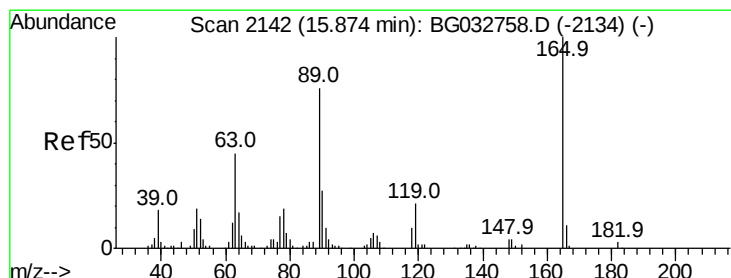
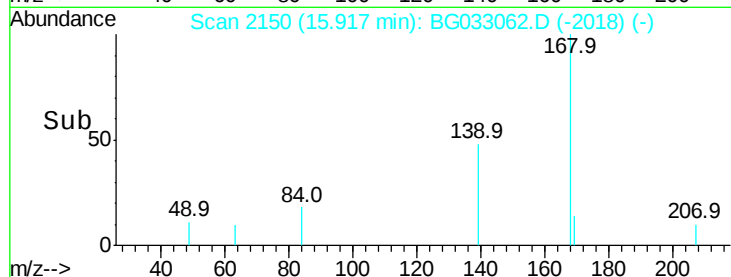
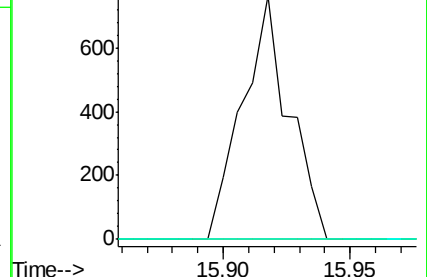
65 0.0 97.2 137.2#



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: 14.663 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Tgt Ion:165 Resp: 16623

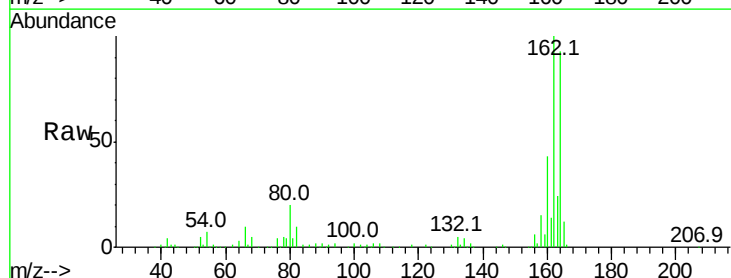
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.5 66.9 100.3#

182 0.0 2.6 3.8#

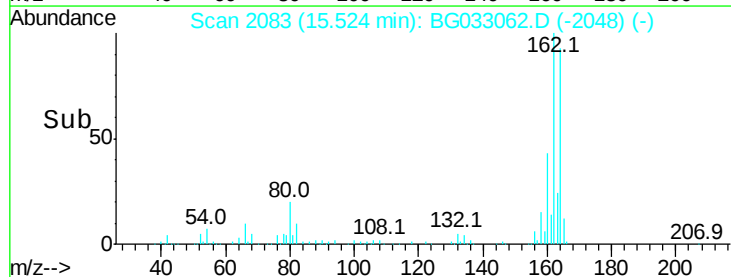
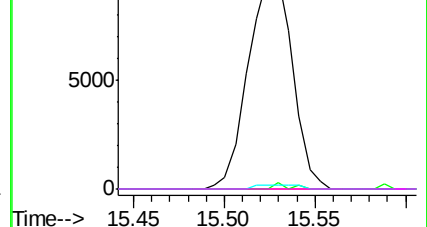


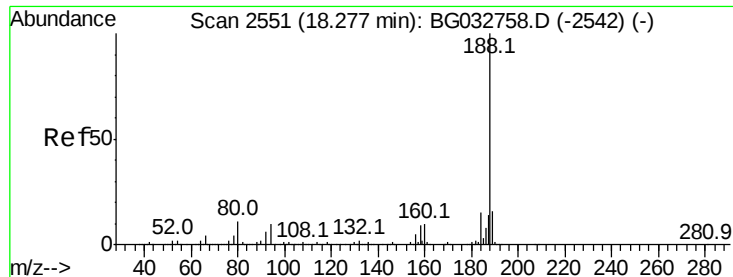
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

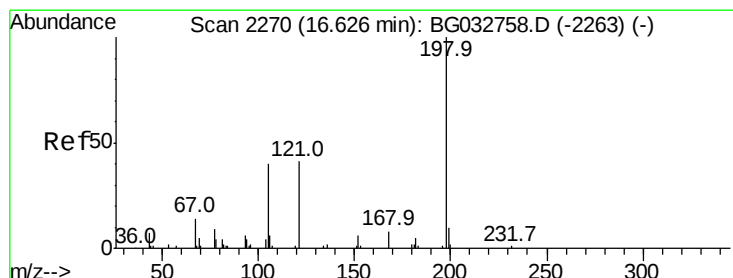
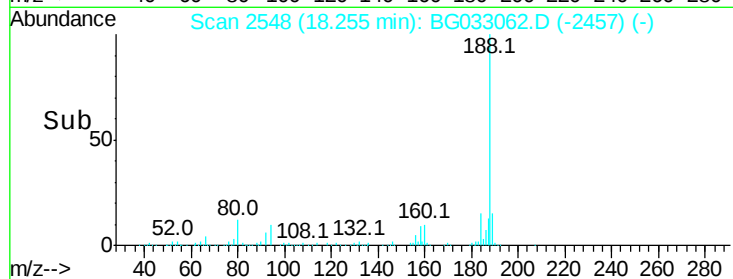
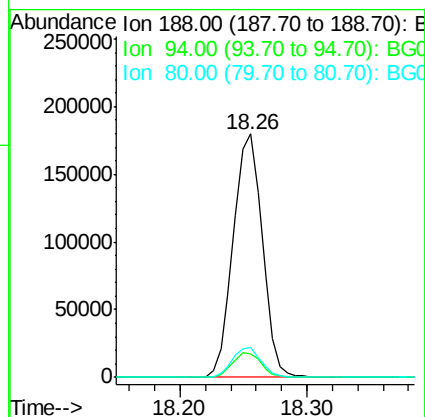
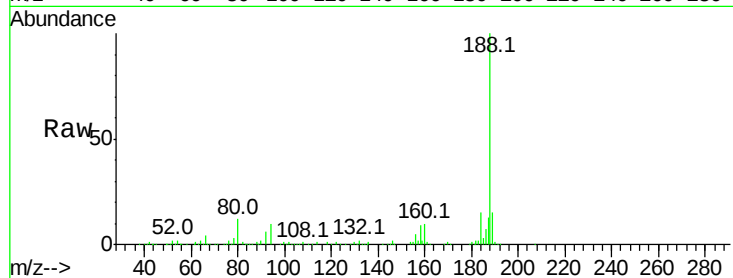




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

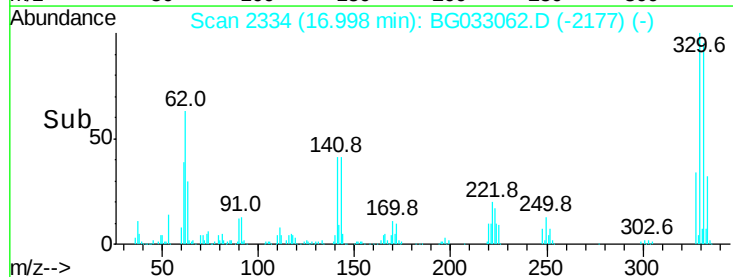
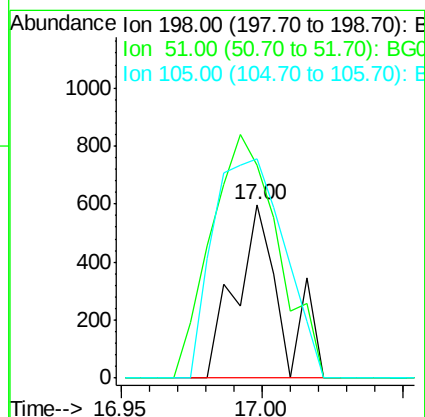
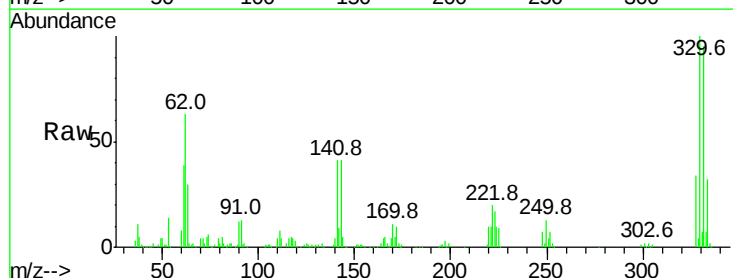
Instrument :
BNA_G
ClientSampleId :

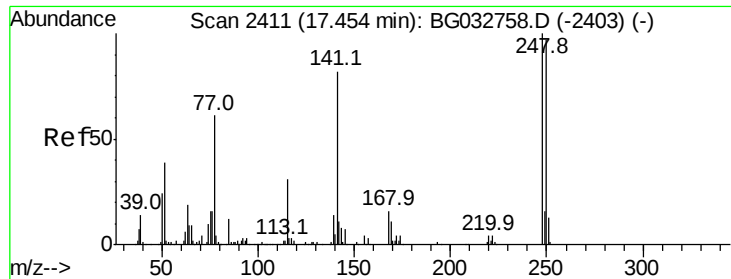
Tot Ion:188 Resp: 285426
Ion Ratio Lower Upper
188 100
94 9.7 6.9 10.3
80 12.2 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.931 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.39 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Tgt Ion:198 Resp: 661
Ion Ratio Lower Upper
198 100
51 122.7 30.6 70.6#
105 126.3 23.8 63.8#

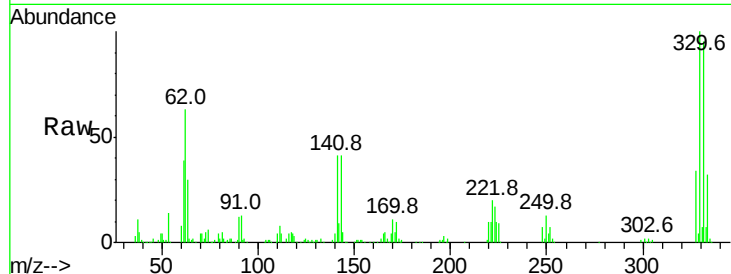




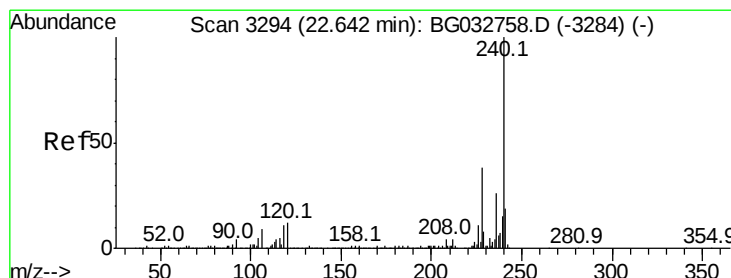
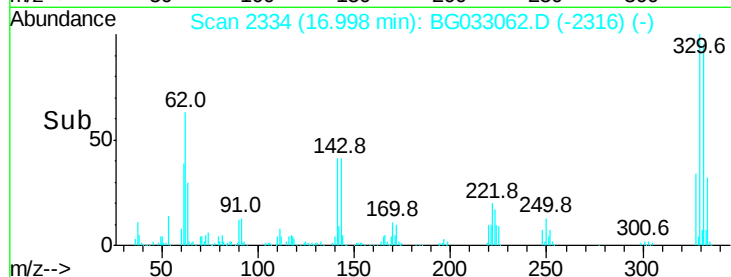
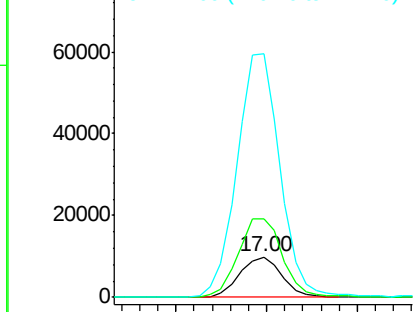
#66
4-Bromophenyl-phenylether
Concen: 5.219 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15750
Ion Ratio Lower Upper
248 100
250 195.4 77.1 115.7#
141 603.6 50.8 76.2#

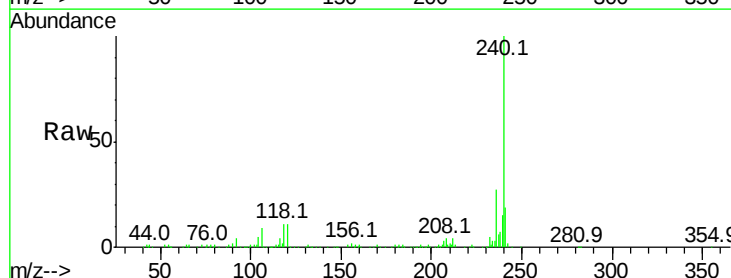


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

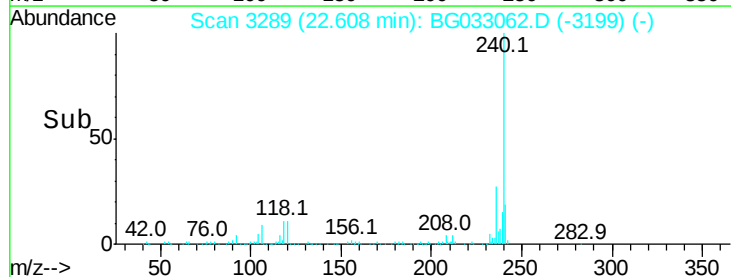
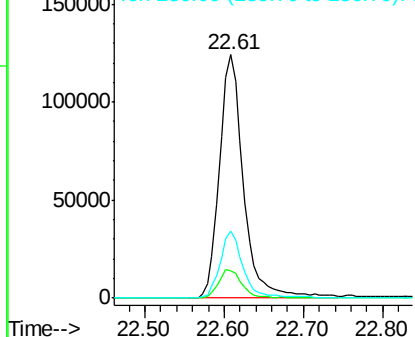


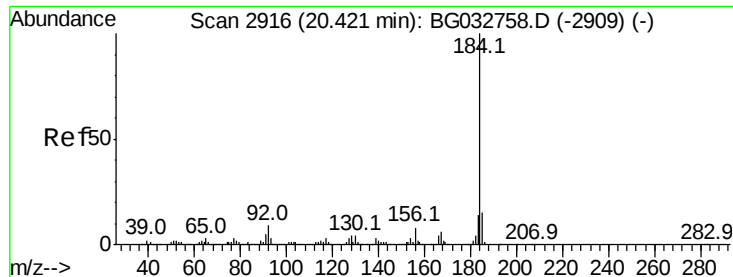
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3289
Delta R.T. -0.00 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Tgt Ion:240 Resp: 261529
Ion Ratio Lower Upper
240 100
120 11.4 6.8 10.2#
236 27.5 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: 2.604 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.37 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

Instrument :

BNA_G

ClientSampled :

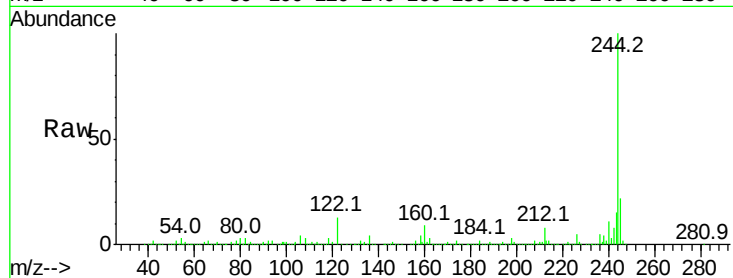
Tot Ion:184 Resp: 23214

Ion Ratio Lower Upper

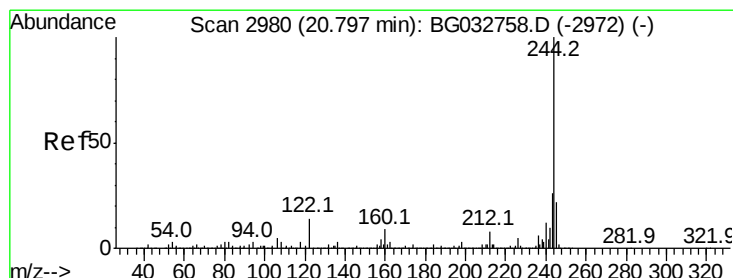
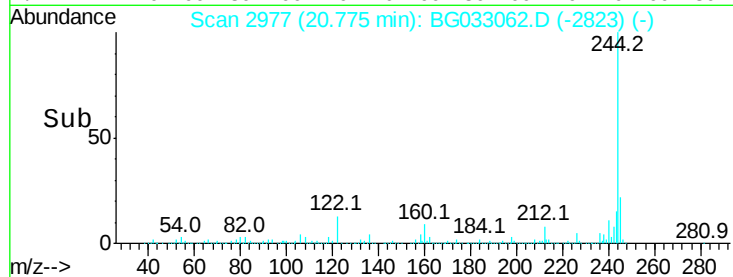
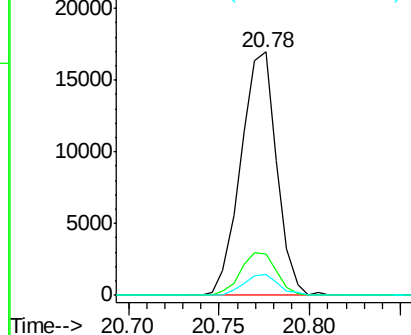
184 100

185 16.7 11.1 16.7#

183 8.7 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: 113.646 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.01 min

Lab File: BG033062.D

Acq: 9 Mar 2018 5:25

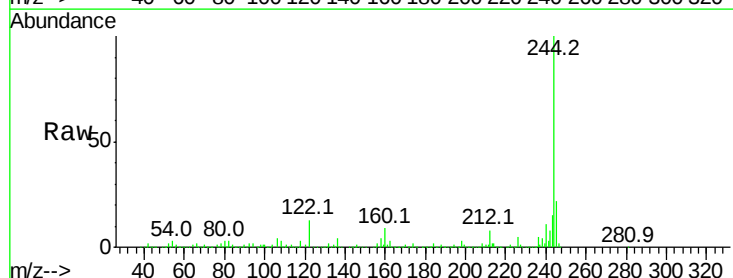
Tgt Ion:244 Resp: 1322894

Ion Ratio Lower Upper

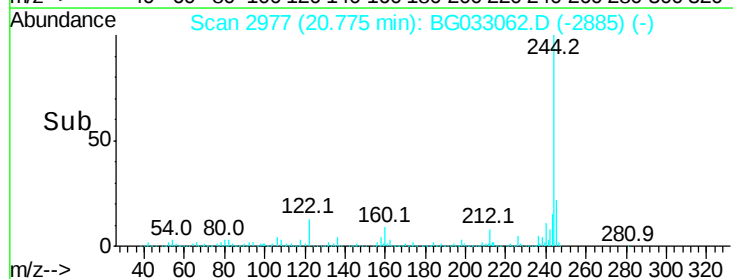
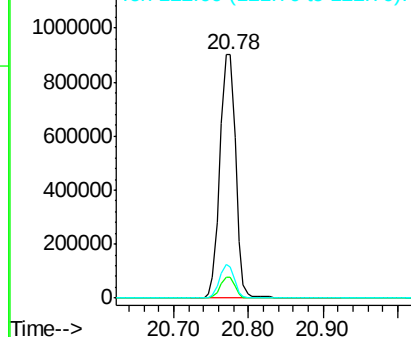
244 100

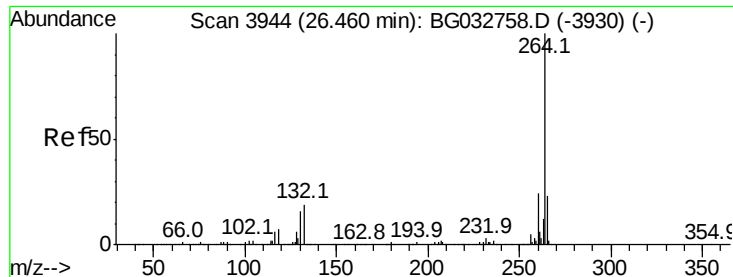
212 8.4 5.8 8.8

122 12.9 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

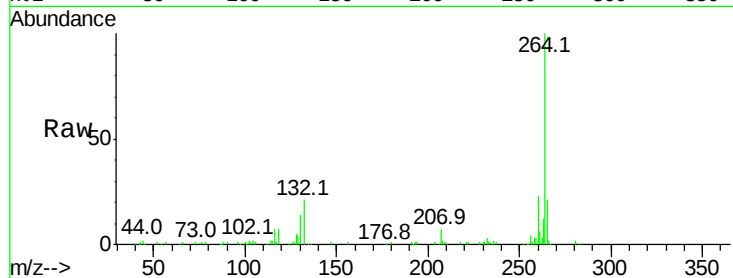




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3937
Delta R.T. 0.01 min
Lab File: BG033062.D
Acq: 9 Mar 2018 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	21.1	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

