

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033065.D
 Acq On : 9 Mar 2018 7:18
 Operator : SJ/JU
 Sample : J1828-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 07:51:57 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

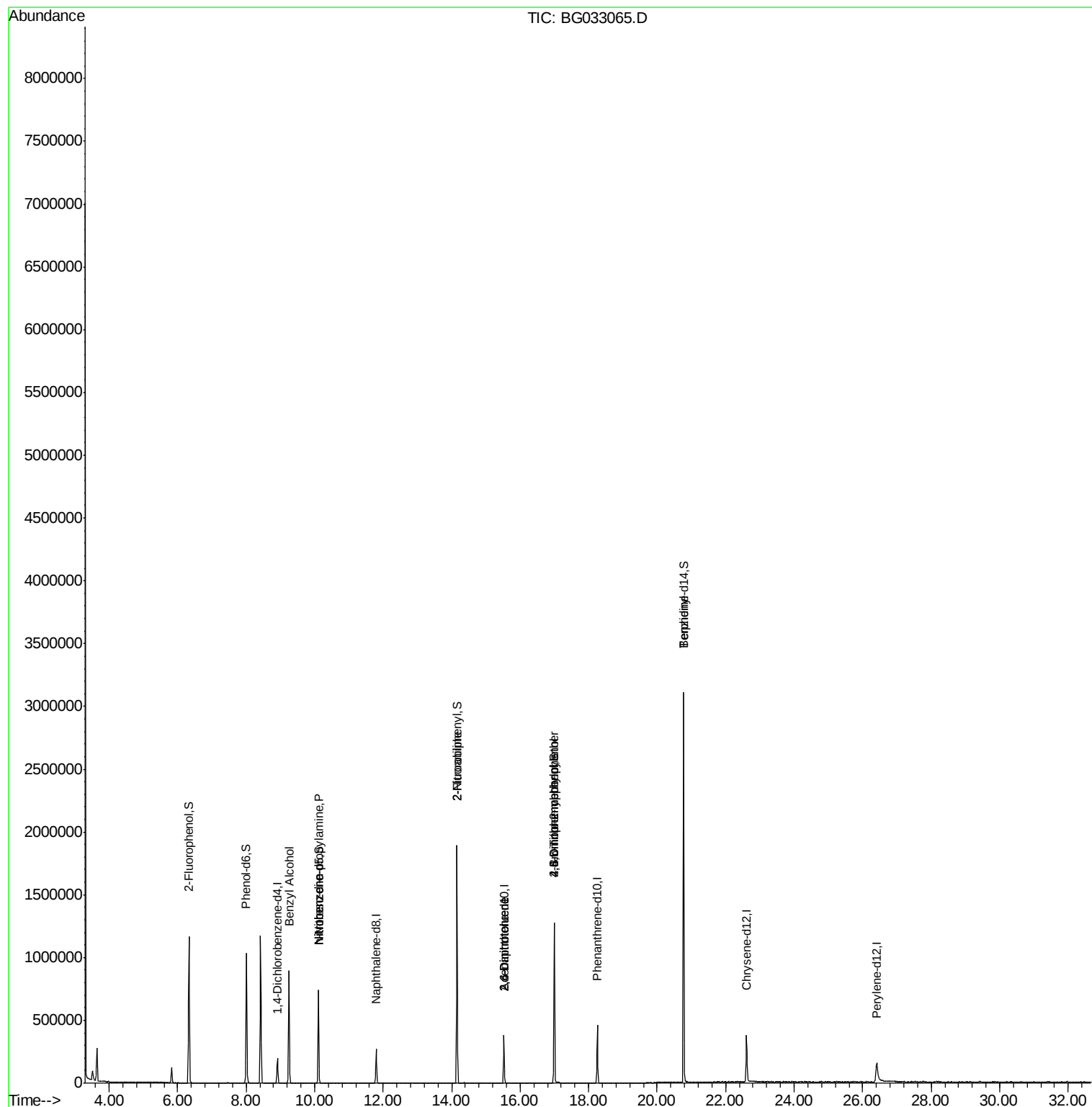
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	55737	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	243987	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	129460	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	288791	20.00	ng	0.00
75) Chrysene-d12	22.61	240	272250	20.00	ng	0.00
86) Perylene-d12	26.41	264	240787	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	525095	150.72	ng	0.00
7) Phenol-d6	8.01	99	625206	128.75	ng	0.00
23) Nitrobenzene-d5	10.11	82	462811	126.20	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	231072	169.75	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	956856	106.60	ng	0.00
78) Terphenyl-d14	20.77	244	1373353	113.34	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.25	79	7364	2.063	ng	# 41
19) n-Nitroso-di-n-propylamine	10.11	70	61086	17.818	ng	# 84
24) Nitrobenzene	10.12	77	1485	6.711	ng	# 41
47) 2-Nitroaniline	14.15	65	1920	10.552	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	16999	16.509	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	16999	14.708	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	702	5.980	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15898	5.206	ng	# 1
76) Benzidine	20.77	184	23967	2.583	ng	# 92

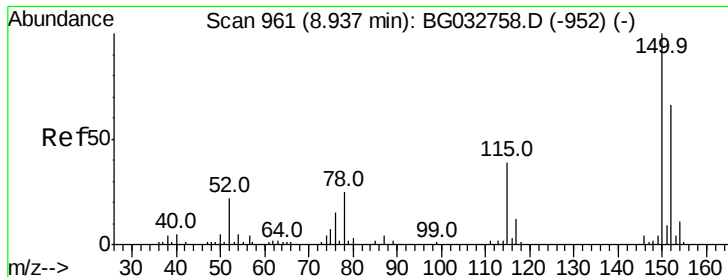
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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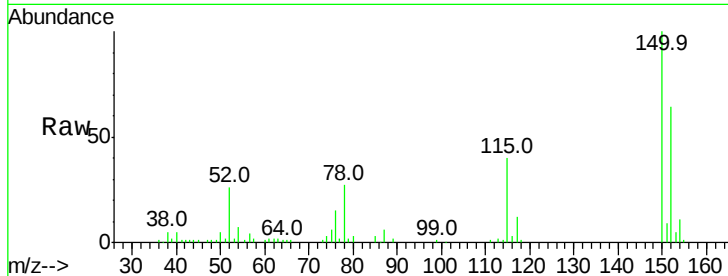


#1

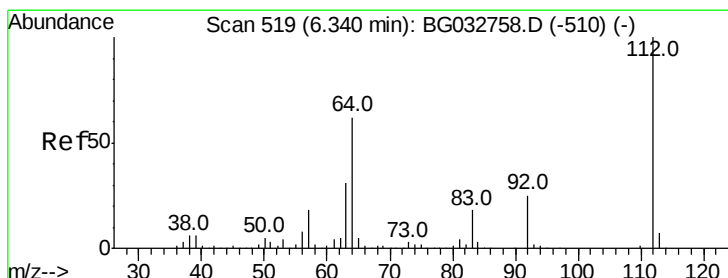
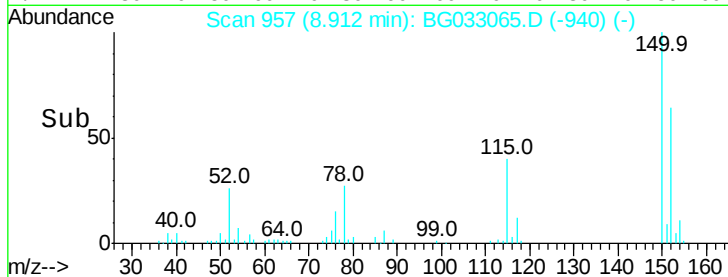
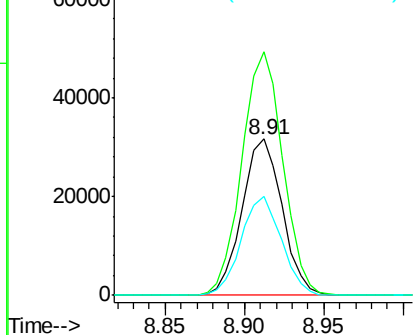
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55737
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 63.2 53.0 79.4



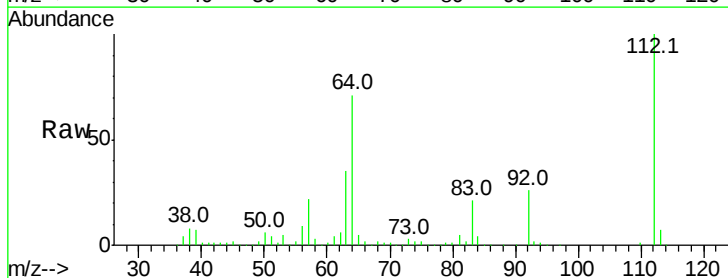
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



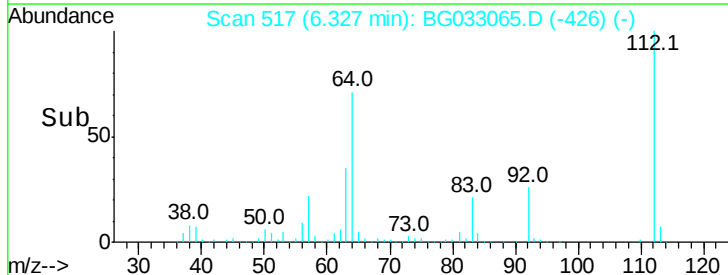
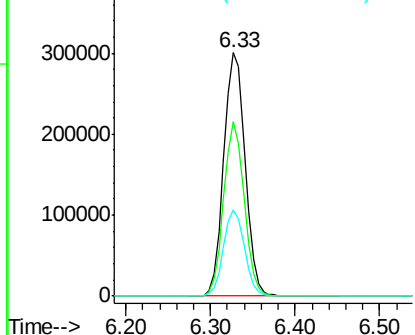
#5

2-Fluorophenol
Concen: 150.721 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

Tgt Ion:112 Resp: 525095
Ion Ratio Lower Upper
112 100
64 71.4 56.3 84.5
63 35.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 128.748 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Instrument :

BNA_G

ClientSampled :

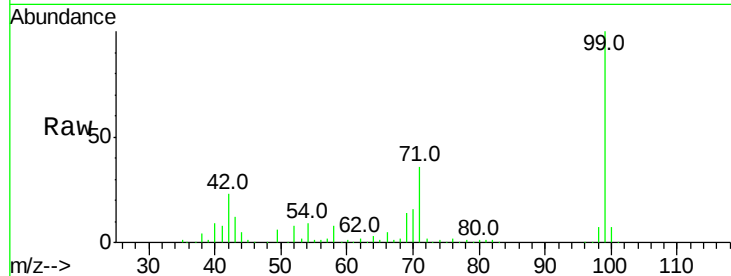
Tot Ion: 99 Resp: 625206

Ion Ratio Lower Upper

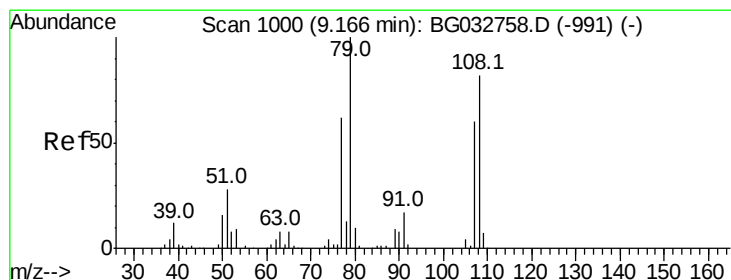
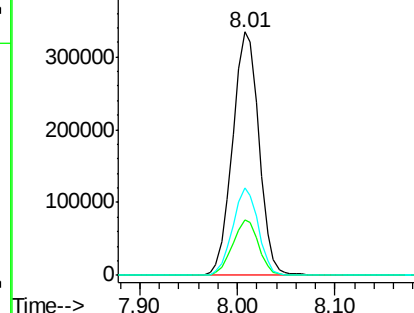
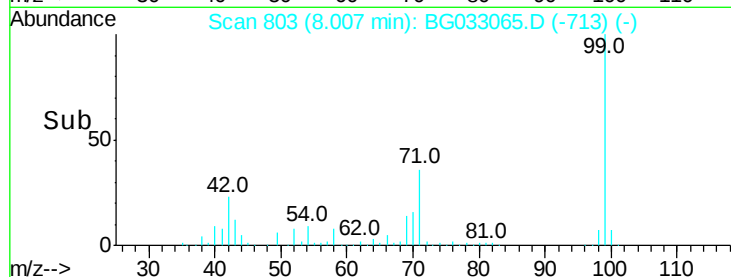
99 100

42 23.0 14.1 21.1#

71 35.7 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: 2.063 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

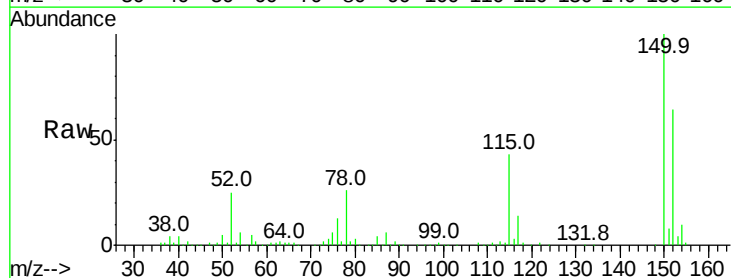
Tgt Ion: 79 Resp: 7364

Ion Ratio Lower Upper

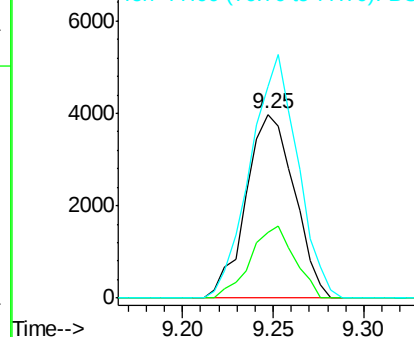
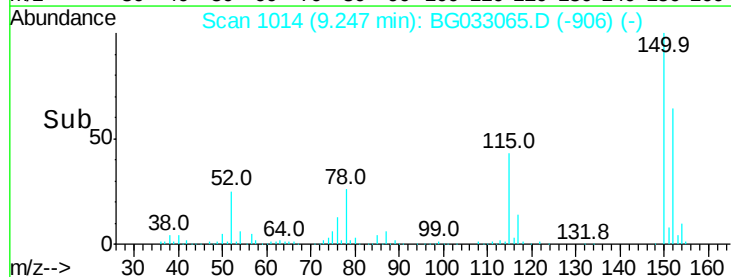
79 100

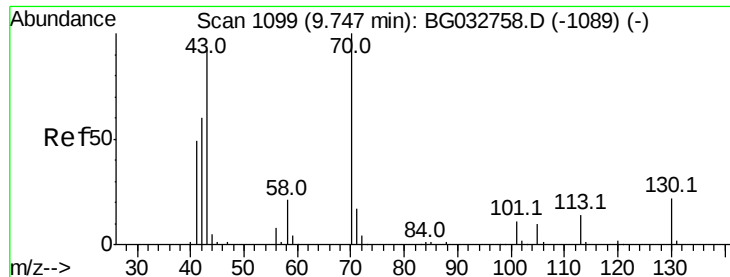
108 35.6 57.2 85.8#

77 114.9 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

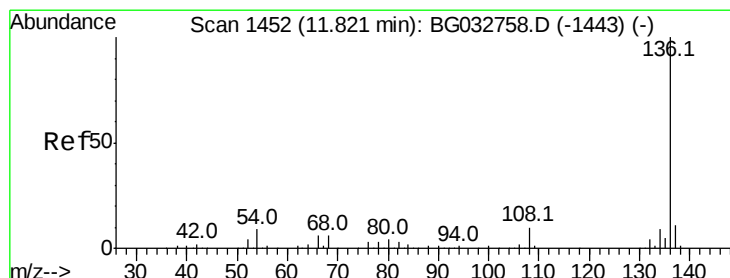
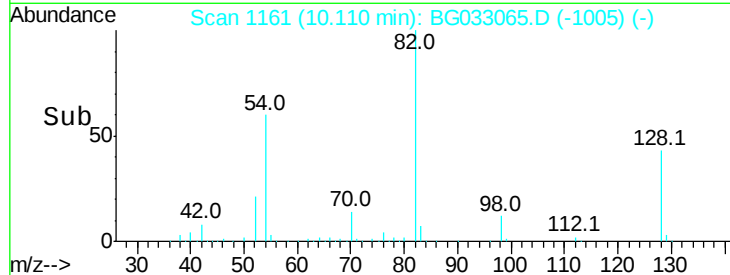
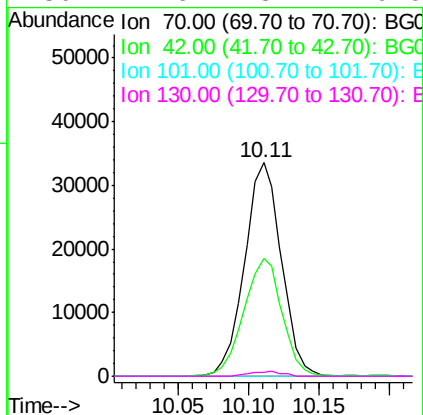
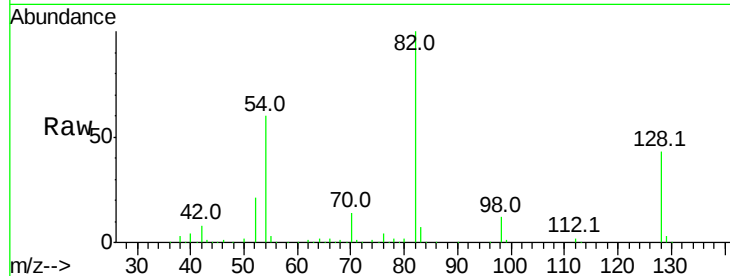




#19
n-Nitroso-di-n-propylamine
Concen: 17.818 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

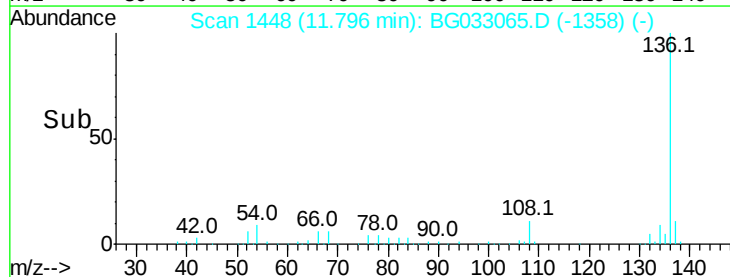
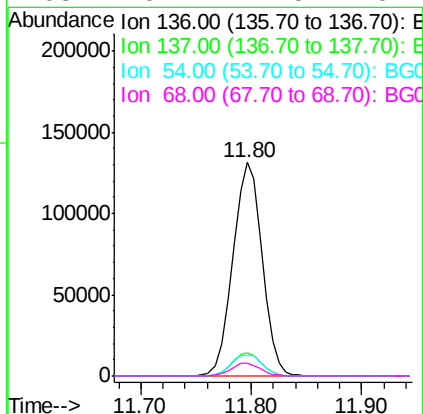
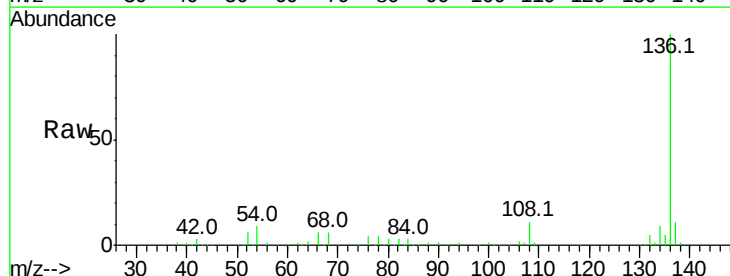
Instrument :
BNA_G
ClientSampleId :

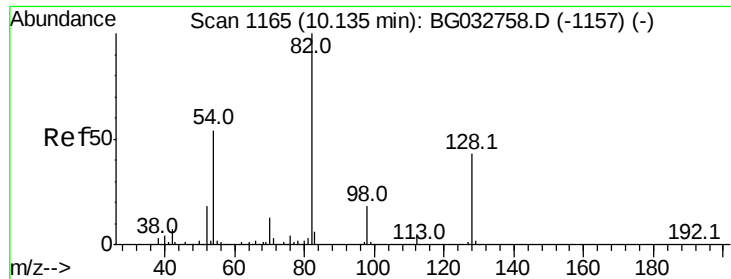
Tot Ion: 70 Resp: 61086
Ion Ratio Lower Upper
70 100
42 55.0 49.1 73.7
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

Tgt Ion: 136 Resp: 243987
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.4 10.3 15.5#
68 6.2 4.5 6.7





#23

Nitrobenzene-d5

Concen: 126.195 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Instrument :

BNA_G

ClientSampleId :

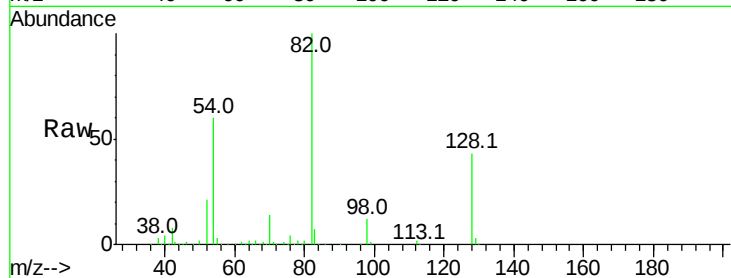
Tot Ion: 82 Resp: 462811

Ion Ratio Lower Upper

82 100

128 43.3 29.7 44.5

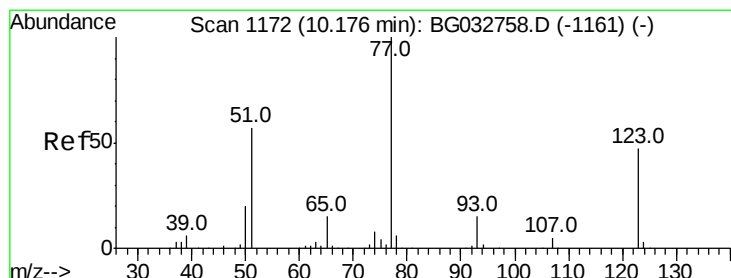
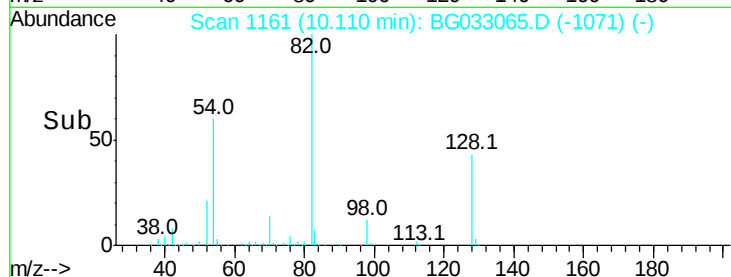
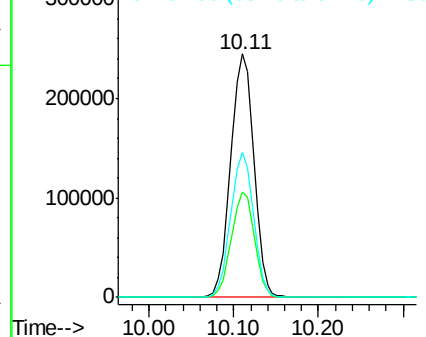
54 59.8 43.1 64.7



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: 6.711 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

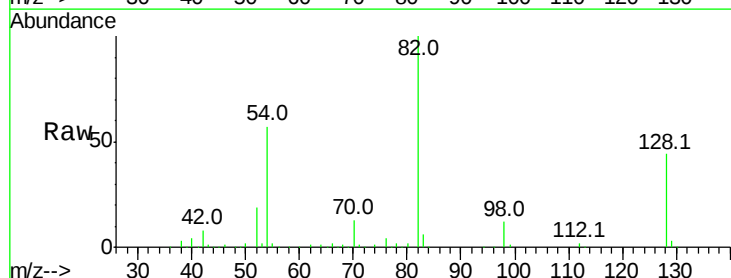
Tgt Ion: 77 Resp: 1485

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

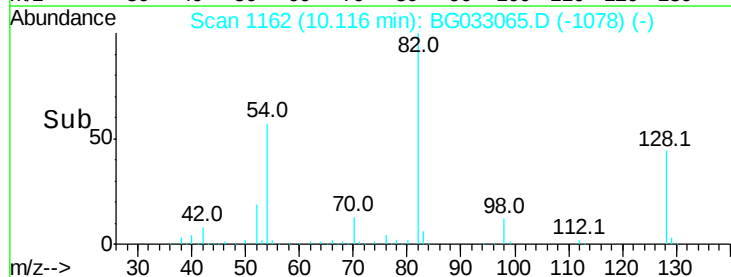
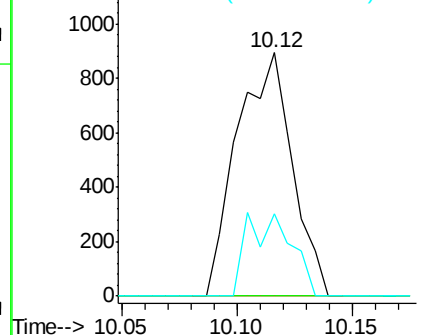
65 33.9 13.0 19.6#

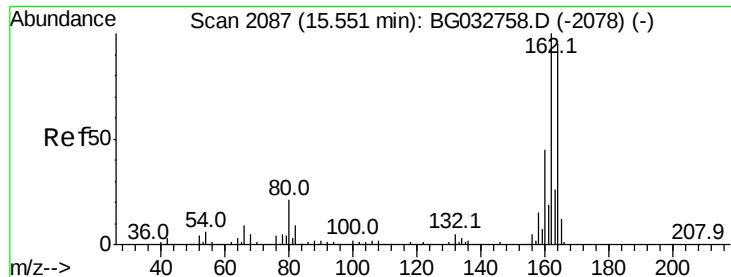


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Instrument :

BNA_G

ClientSampleId :

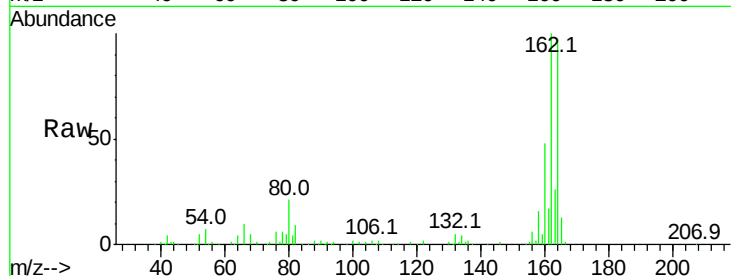
Tot Ion:164 Resp: 129460

Ion Ratio Lower Upper

164 100

162 102.9 78.8 118.2

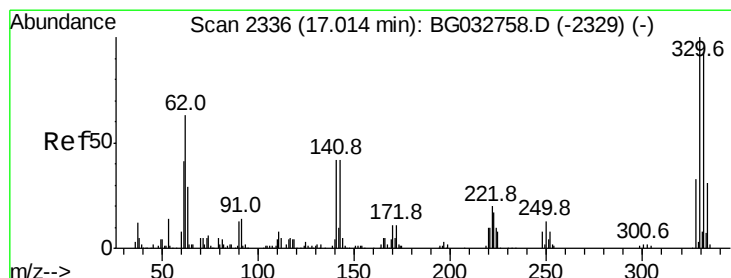
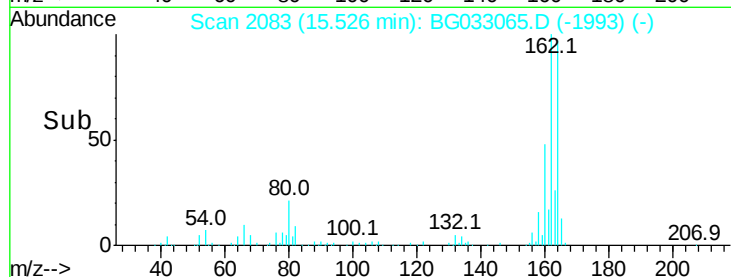
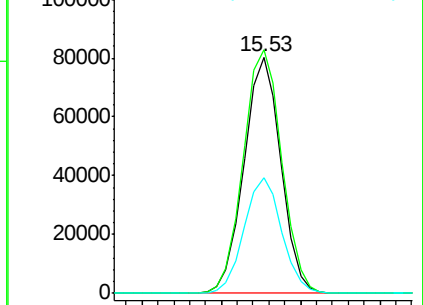
160 48.9 35.4 53.0



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: 169.753 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

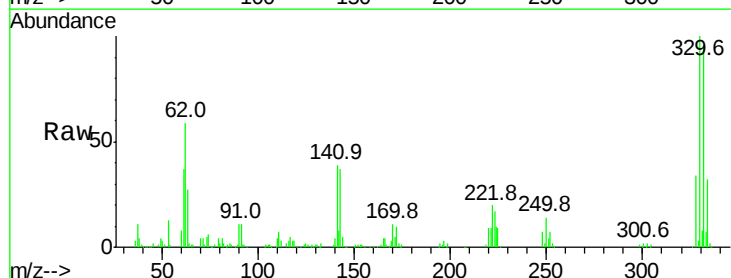
Tgt Ion:330 Resp: 231072

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

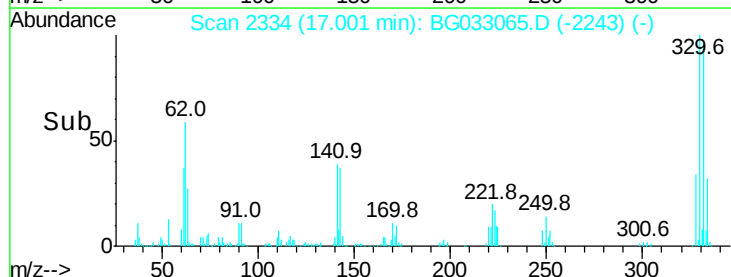
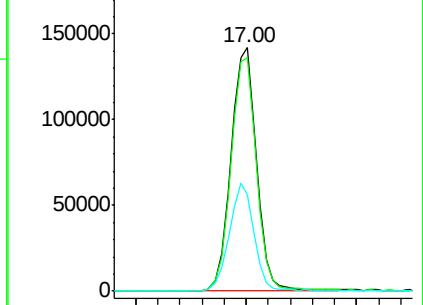
141 42.3 25.2 37.8#

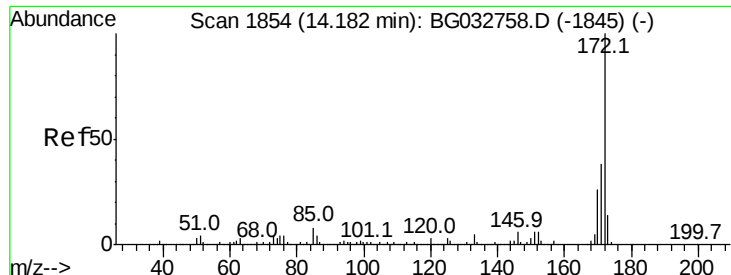


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

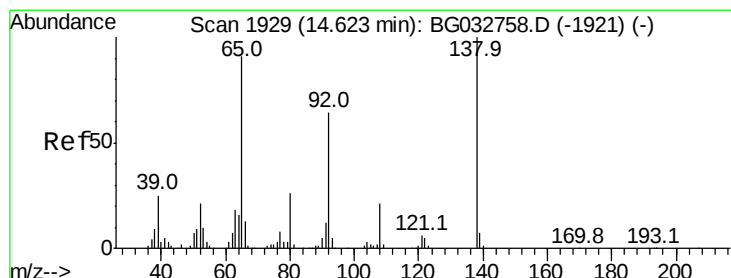
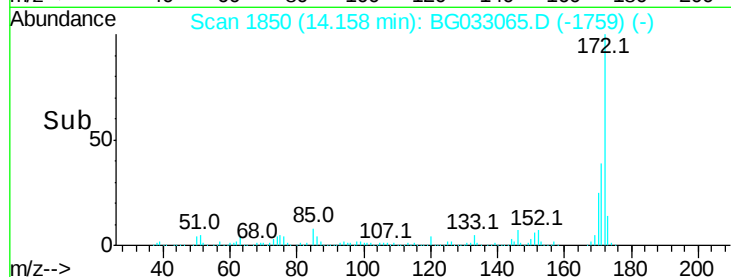
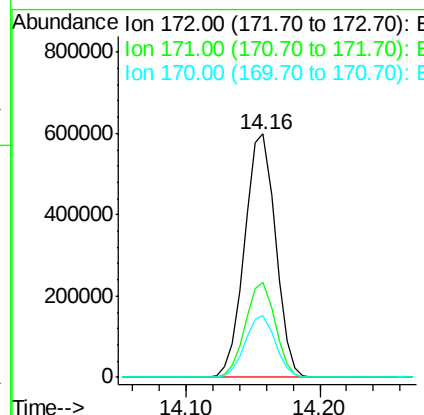
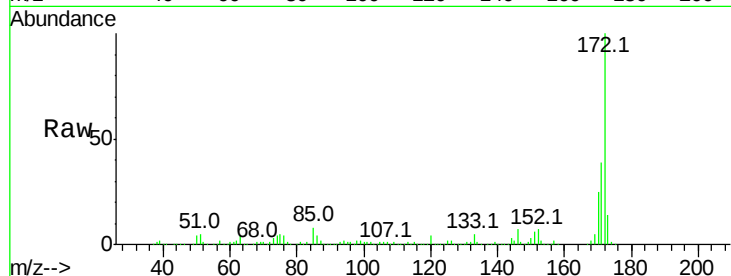




#44
 2-Fluorobiphenyl
 Concen: 106.599 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033065.D
 Acq: 9 Mar 2018 7:18

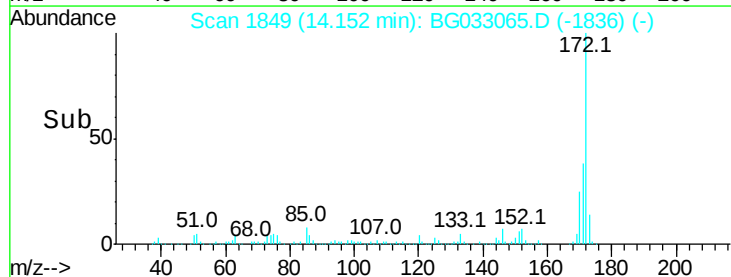
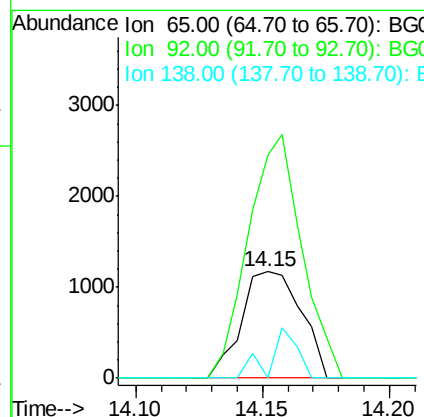
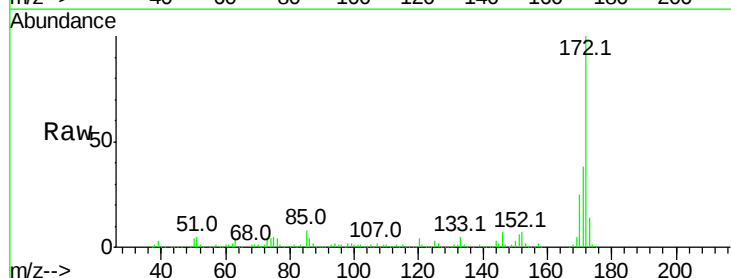
Instrument :
 BNA_G
 ClientSampleId :

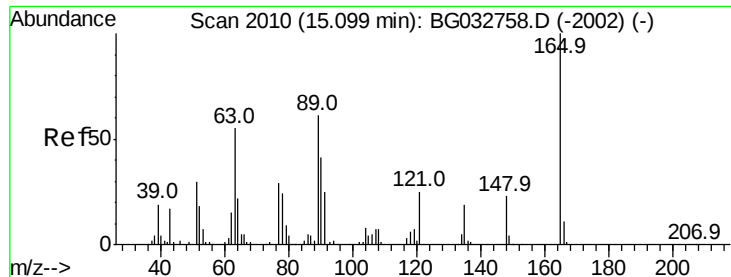
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.0	45.0
170	25.4	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.552 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.45 min
 Lab File: BG033065.D
 Acq: 9 Mar 2018 7:18

Tgt Ion	Ratio	Lower	Upper
65	100		
92	209.5	54.6	82.0#
138	0.0	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.509 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Instrument :

BNA_G

ClientSampled :

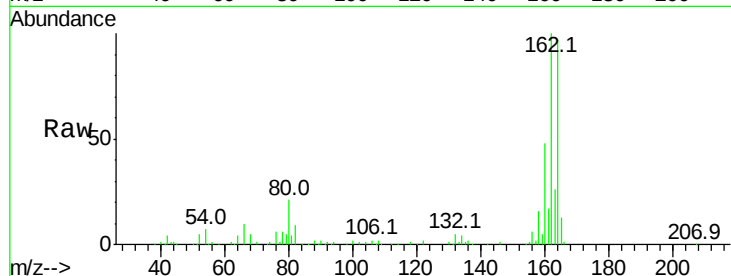
Tot Ion:165 Resp: 16999

Ion Ratio Lower Upper

165 100

63 2.5 52.7 79.1#

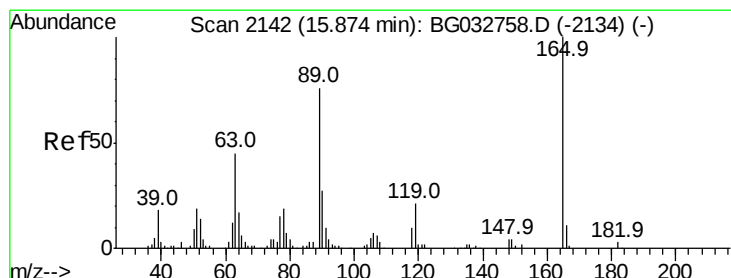
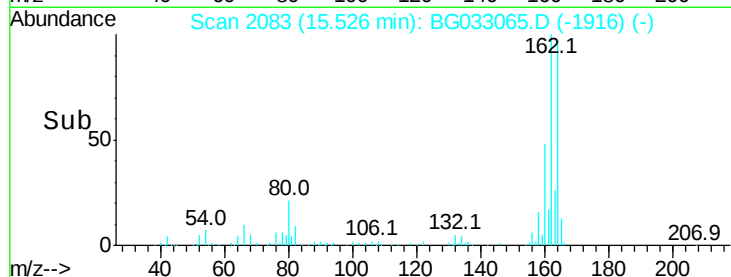
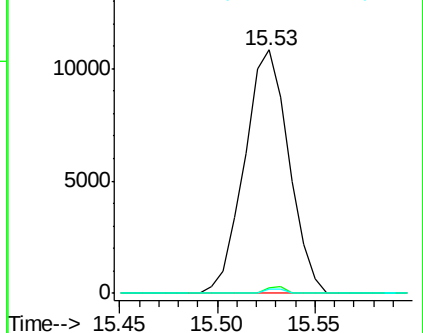
89 1.9 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 14.708 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.32 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Tgt Ion:165 Resp: 16999

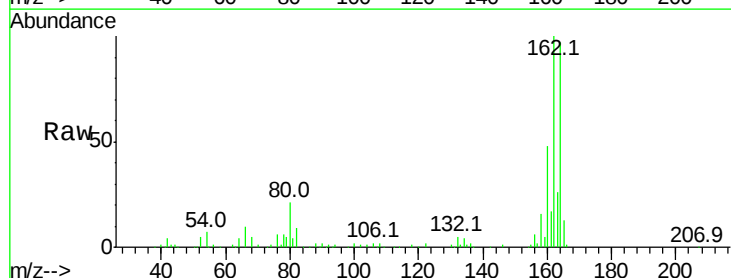
Ion Ratio Lower Upper

165 100

63 2.5 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

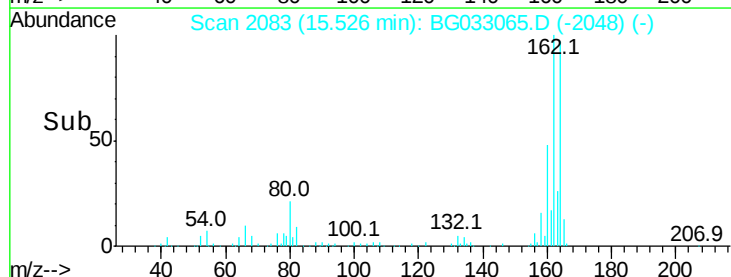
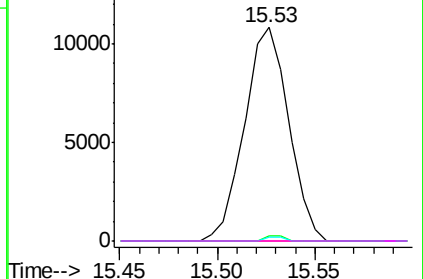


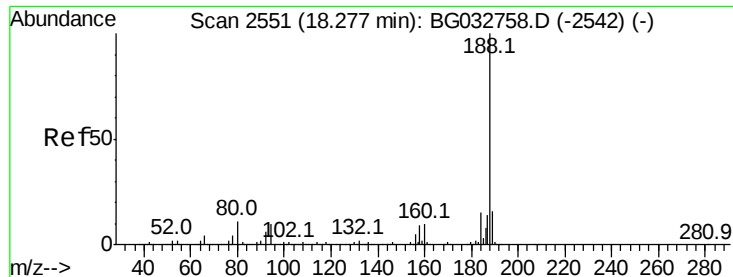
Abundance Ion 165.00 (164.70 to 165.70): E

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

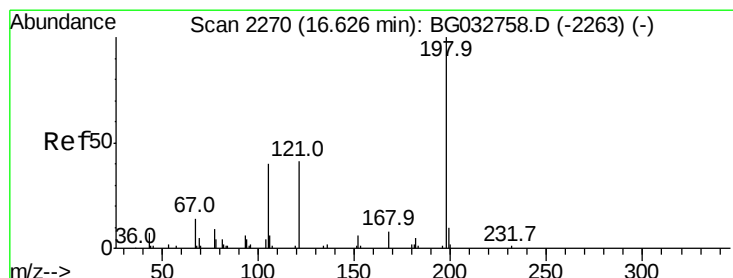
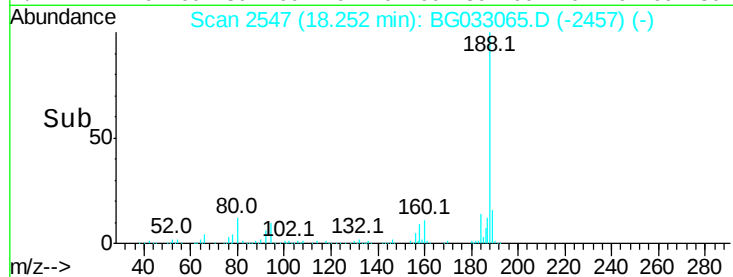
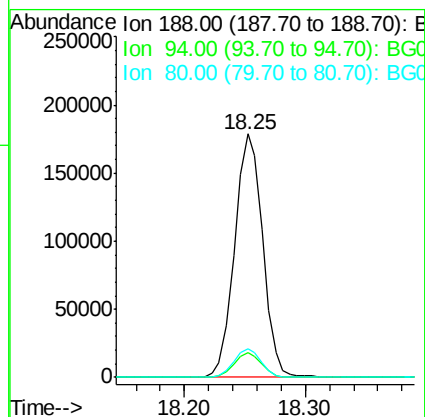
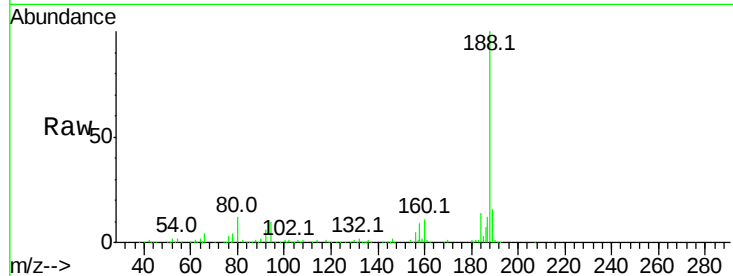




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

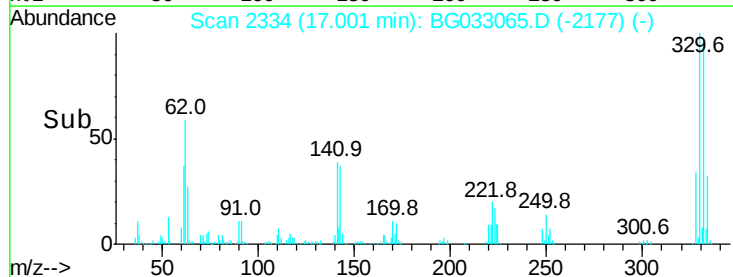
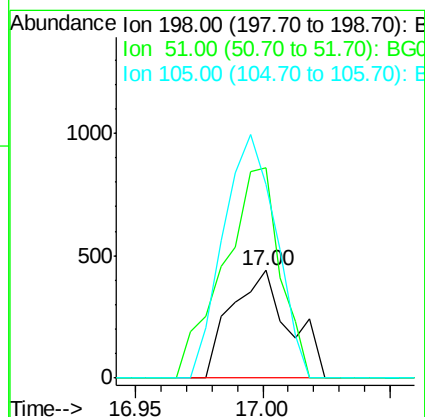
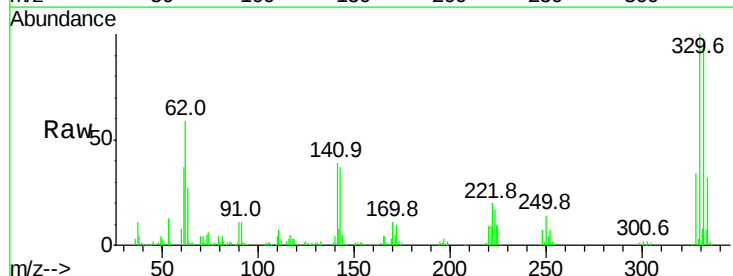
Instrument :
BNA_G
ClientSampleId :

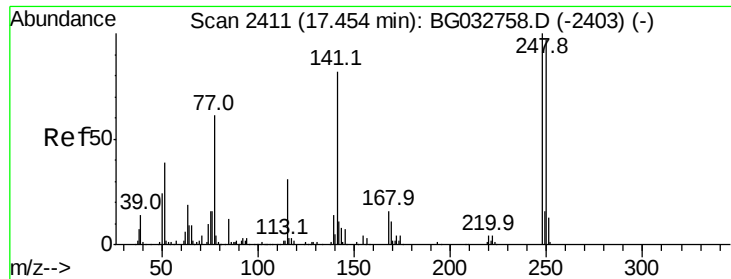
Tot Ion:188 Resp: 288791
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 11.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.980 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.39 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

Tgt Ion:198 Resp: 702
Ion Ratio Lower Upper
198 100
51 195.2 30.6 70.6#
105 180.6 23.8 63.8#

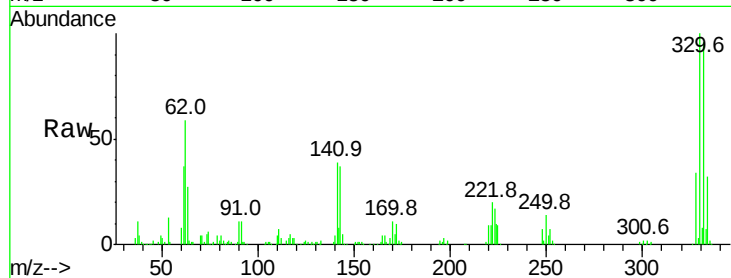




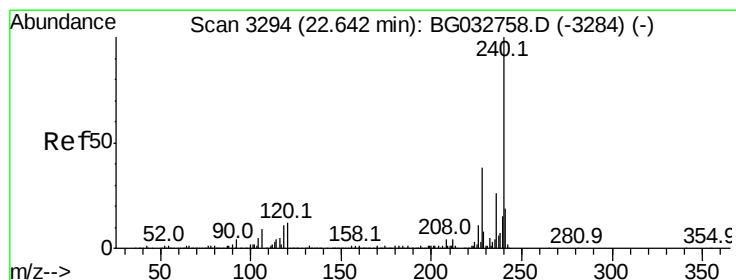
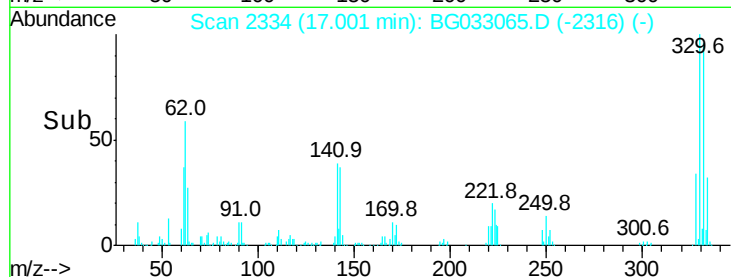
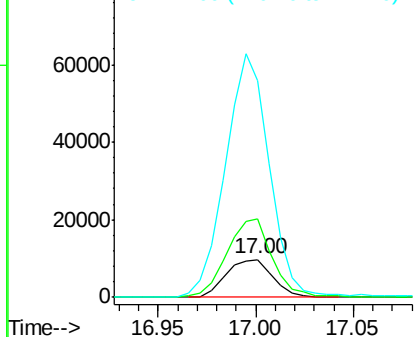
#66
 4-Bromophenyl-phenylether
 Concen: 5.206 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.42 min
 Lab File: BG033065.D
 Acq: 9 Mar 2018 7:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15898
 Ion Ratio Lower Upper
 248 100
 250 206.0 77.1 115.7#
 141 573.4 50.8 76.2#

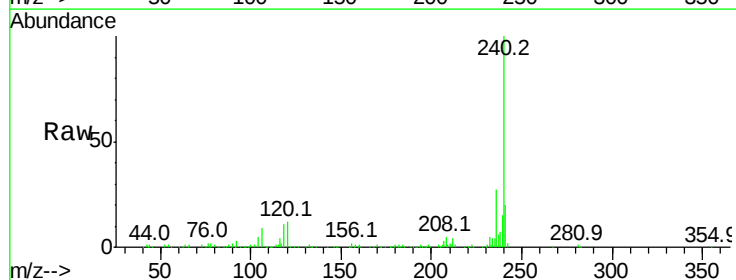


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

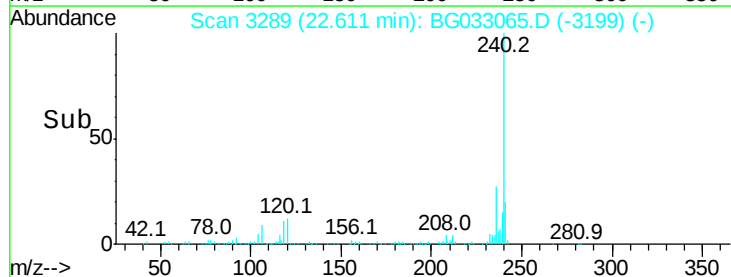
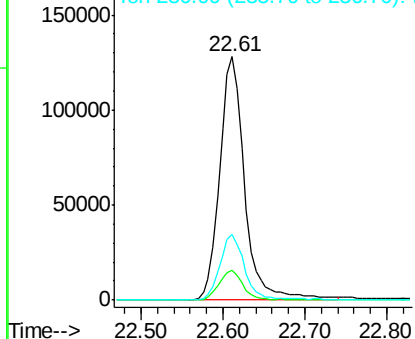


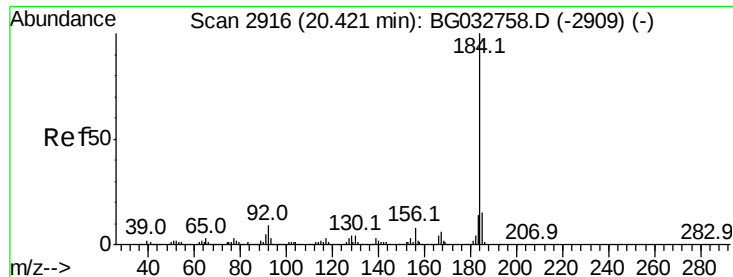
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033065.D
 Acq: 9 Mar 2018 7:18

Tgt Ion:240 Resp: 272250
 Ion Ratio Lower Upper
 240 100
 120 12.2 6.8 10.2#
 236 26.8 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: 2.583 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

Instrument :

BNA_G

ClientSampleId :

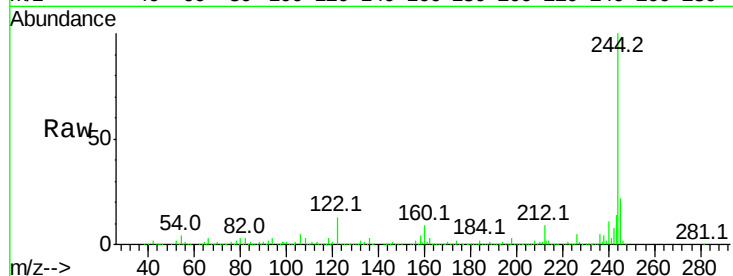
Tot Ion:184 Resp: 23967

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

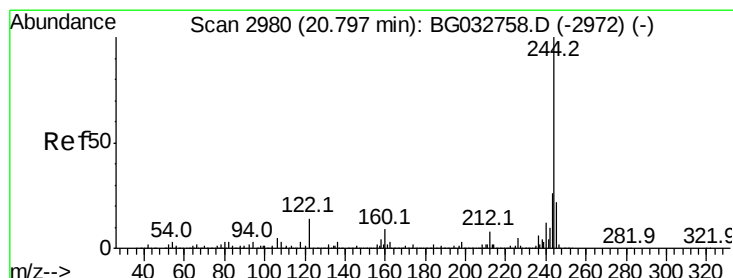
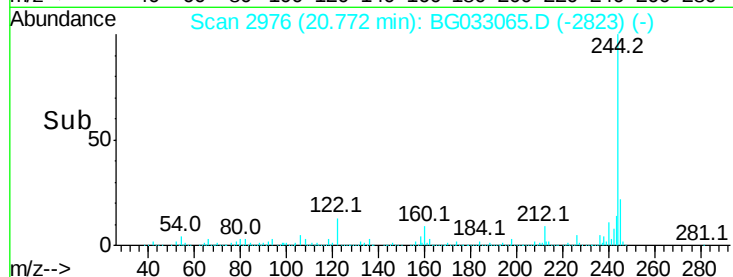
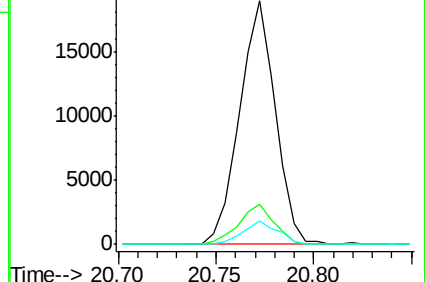
183 9.7 10.6 16.0#



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: 113.335 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033065.D

Acq: 9 Mar 2018 7:18

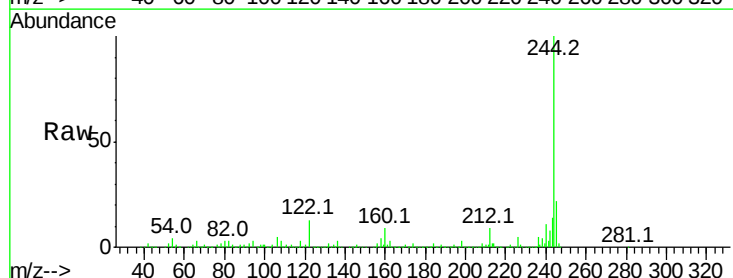
Tgt Ion:244 Resp: 1373353

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

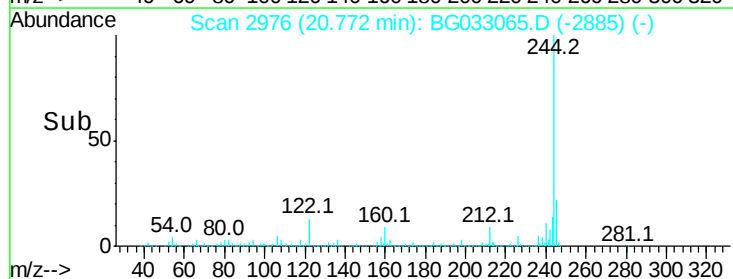
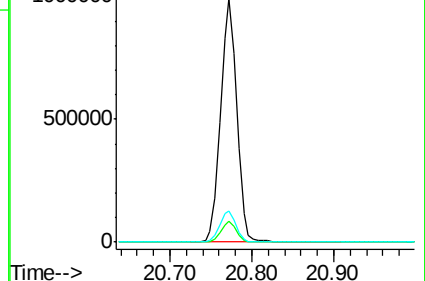
122 13.0 7.0 10.4#

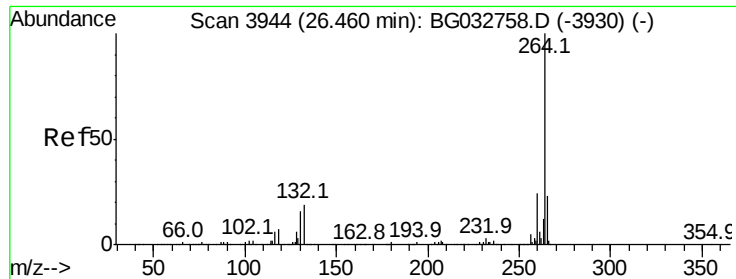


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3936
Delta R.T. 0.00 min
Lab File: BG033065.D
Acq: 9 Mar 2018 7:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	17.4	26.0#
265	22.1	17.7	26.5

