

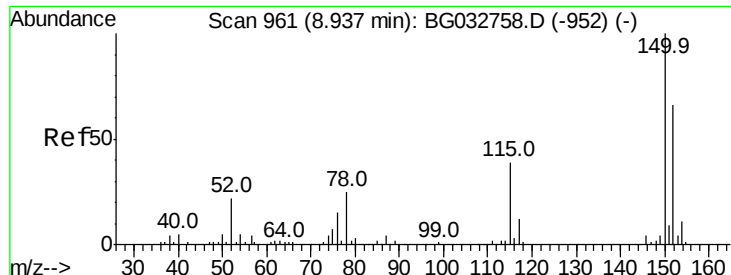
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG033012.D
 Acq On : 6 Mar 2018 6:31
 Operator : SJ/JU
 Sample : J1699-80
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 07:22:32 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	63347	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	279287	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	157061	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	355679	20.00	ng	0.00
75) Chrysene-d12	22.61	240	319842	20.00	ng	-0.01
86) Perylene-d12	26.41	264	303504	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	504383	127.38	ng	0.00
7) Phenol-d6	8.01	99	614451	111.33	ng	0.00
23) Nitrobenzene-d5	10.11	82	461903	111.30	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	215251	130.34	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	969018	88.98	ng	-0.01
78) Terphenyl-d14	20.77	244	1442784	101.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	60244	15.462	ng	# 84
24) Nitrobenzene	10.11	77	1516	6.675	ng	# 40
47) 2-Nitroaniline	14.16	65	1734	10.369	ng	# 15
50) 2,6-Dinitrotoluene	15.52	165	20544	16.480	ng	# 21
56) 2,4-Dinitrotoluene	15.52	165	20544	14.678	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	614	5.682	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16176	4.301	ng	# 1
76) Benzidine	20.41	184	23124	2.121	ng	96

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

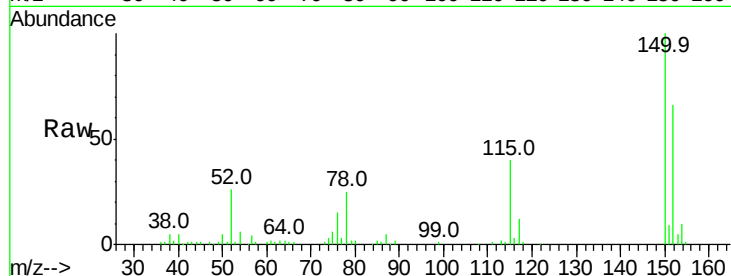


#1

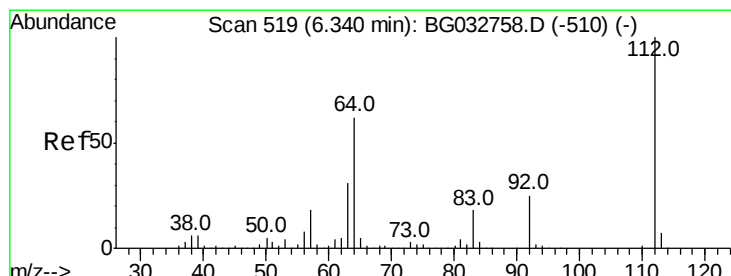
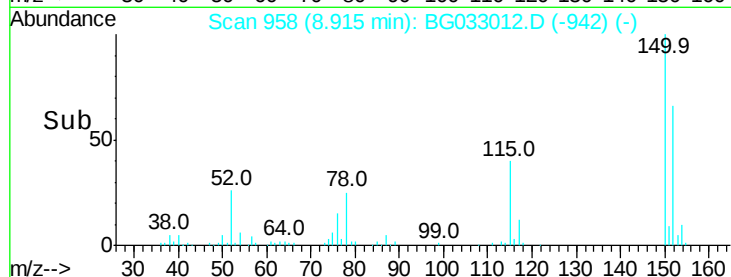
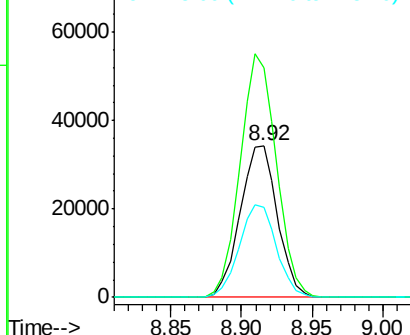
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG033012.D
Acq: 6 Mar 2018 6:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63347
Ion Ratio Lower Upper
152 100
150 150.8 126.6 189.8
115 59.7 53.0 79.4



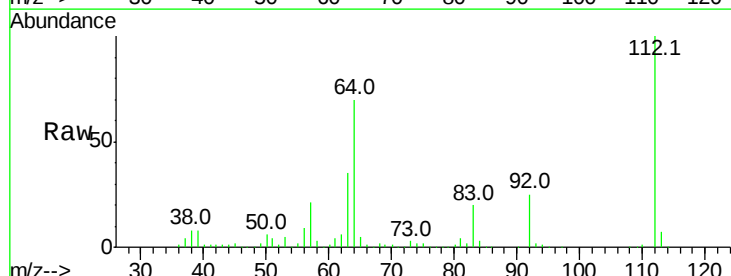
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



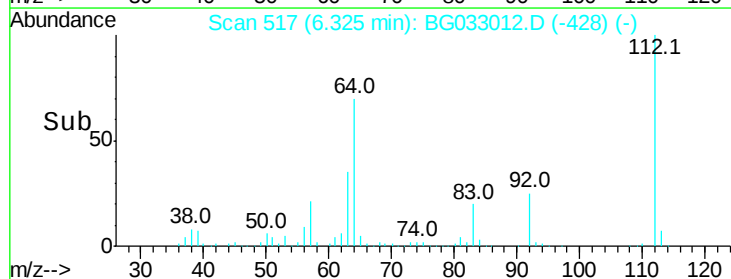
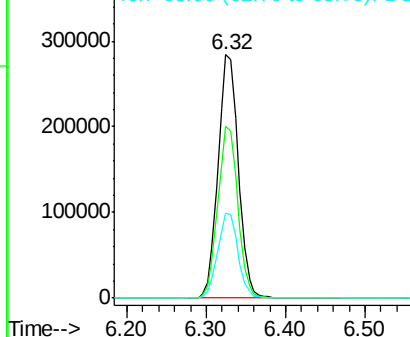
#5

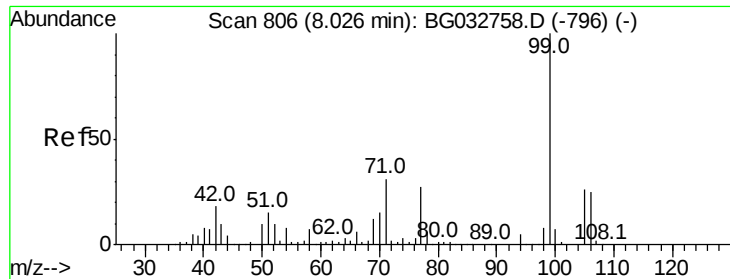
2-Fluorophenol
Concen: 127.384 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: BG033012.D
Acq: 6 Mar 2018 6:31

Tgt Ion:112 Resp: 504383
Ion Ratio Lower Upper
112 100
64 70.4 56.3 84.5
63 34.9 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: 111.333 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampleId :

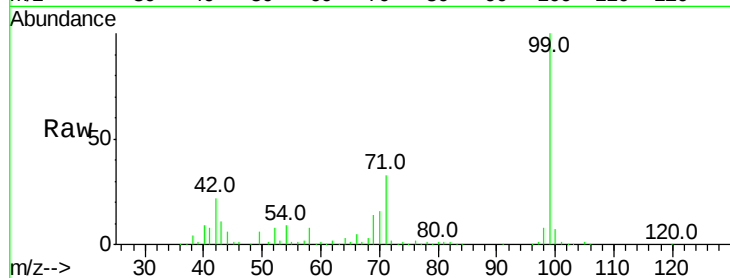
Tot Ion: 99 Resp: 614451

Ion Ratio Lower Upper

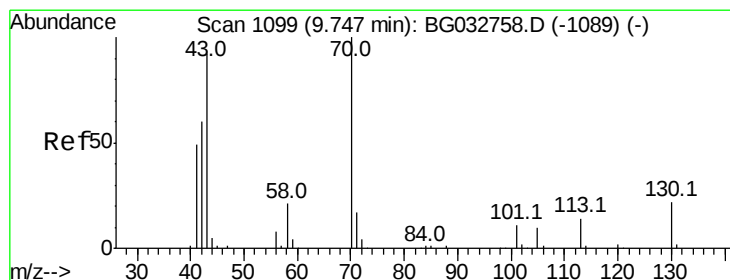
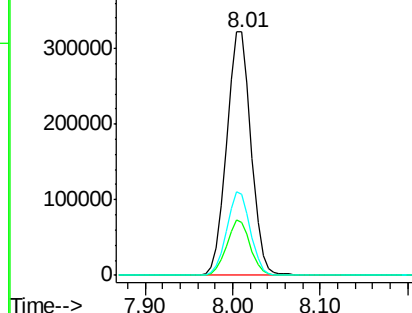
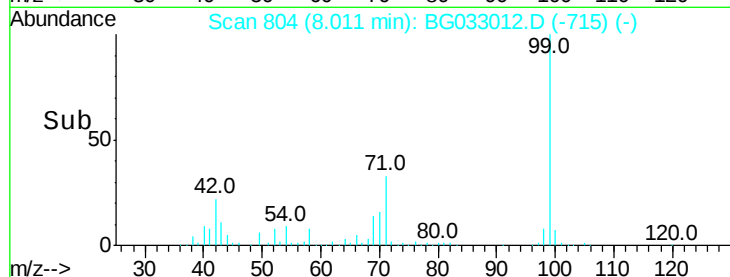
99 100

42 22.0 14.1 21.1#

71 33.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.462 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Tgt Ion: 70 Resp: 60244

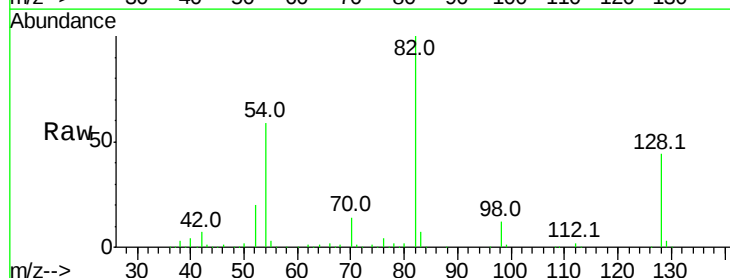
Ion Ratio Lower Upper

70 100

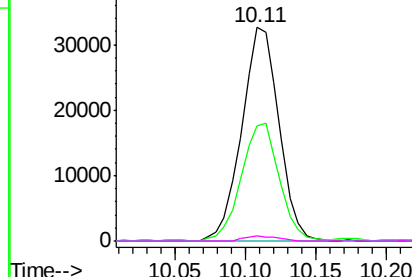
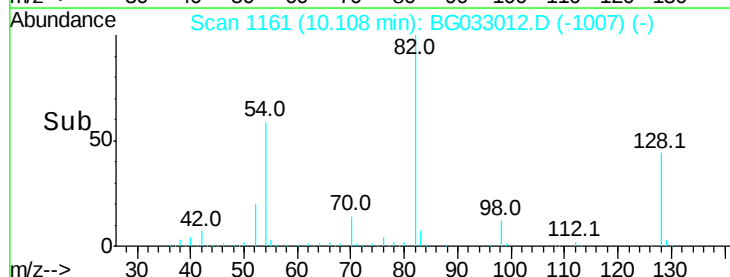
42 54.2 49.1 73.7

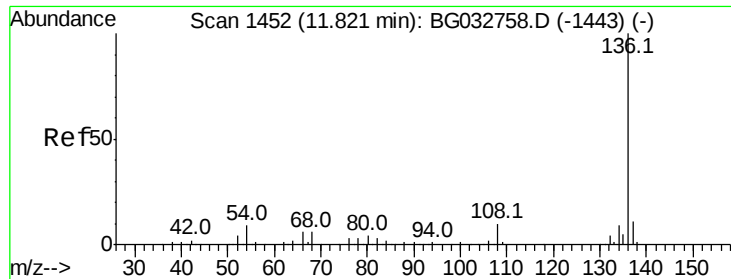
101 0.0 8.5 12.7#

130 2.3 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. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 279287

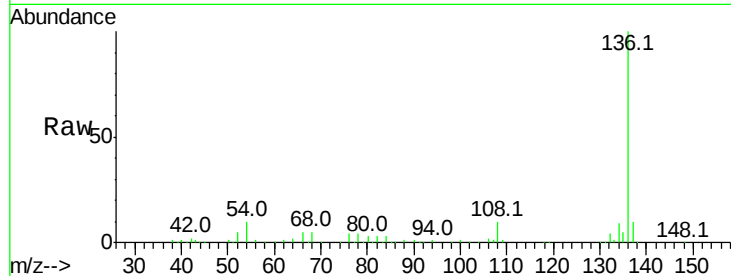
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 9.7 10.3 15.5#

68 5.4 4.5 6.7

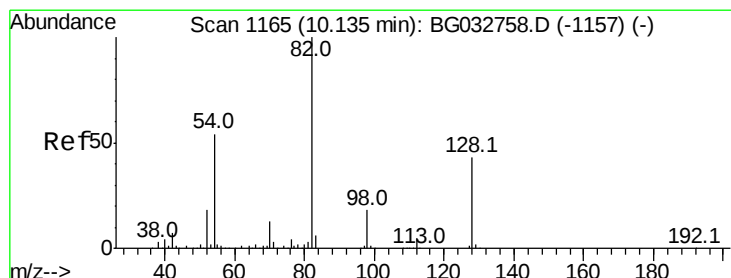
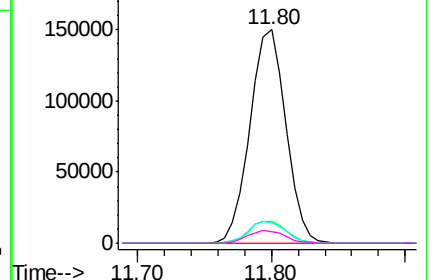
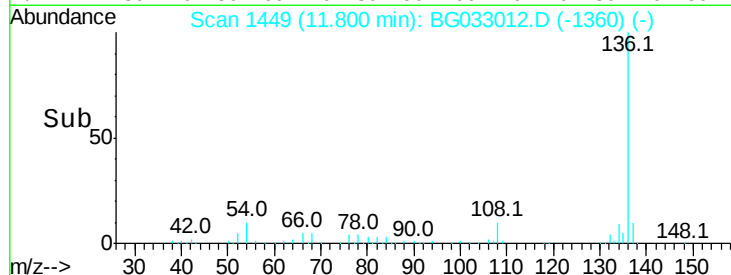


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 111.298 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

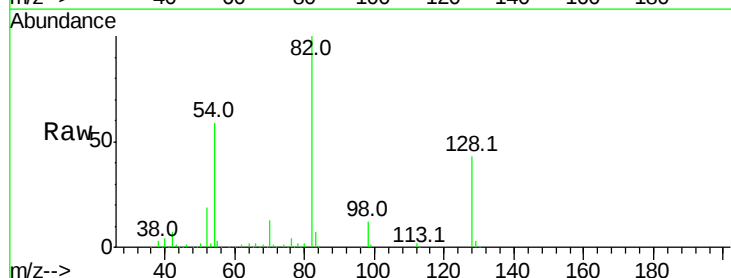
Tgt Ion: 82 Resp: 461903

Ion Ratio Lower Upper

82 100

128 43.4 29.7 44.5

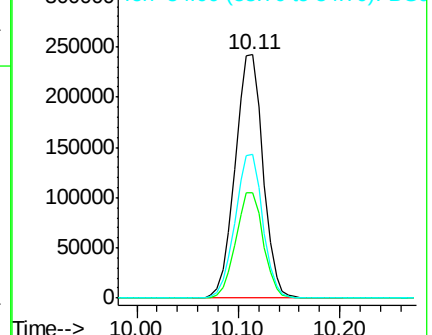
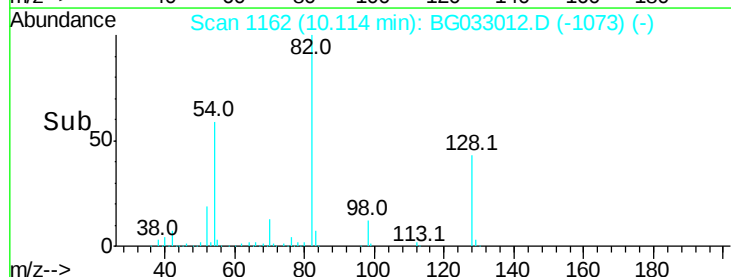
54 59.1 43.1 64.7

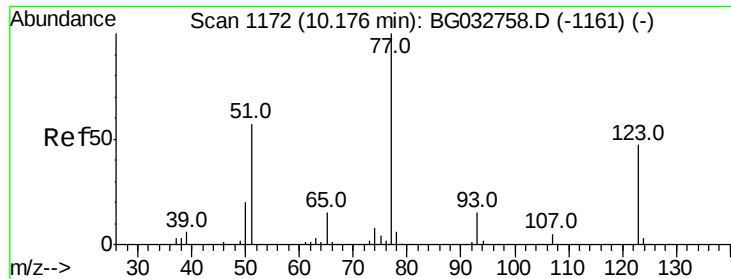


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.675 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampled :

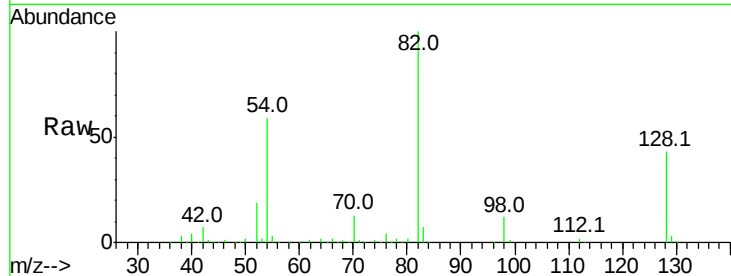
Tot Ion: 77 Resp: 1516

Ion Ratio Lower Upper

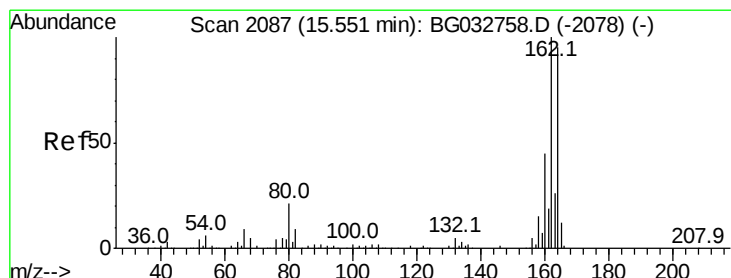
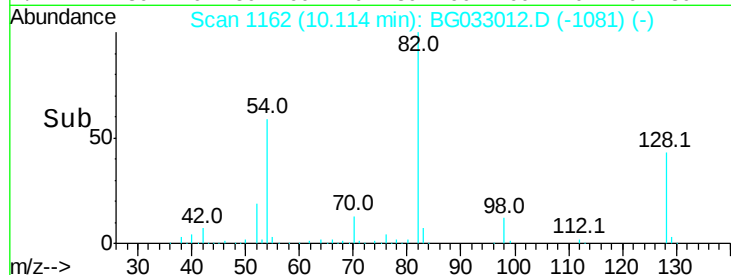
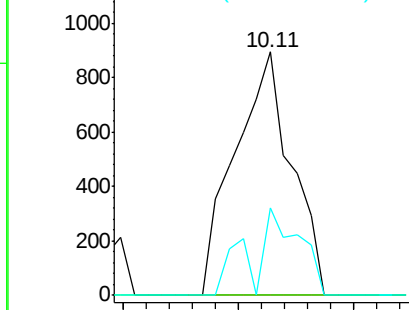
77 100

123 0.0 33.0 49.6#

65 35.8 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: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

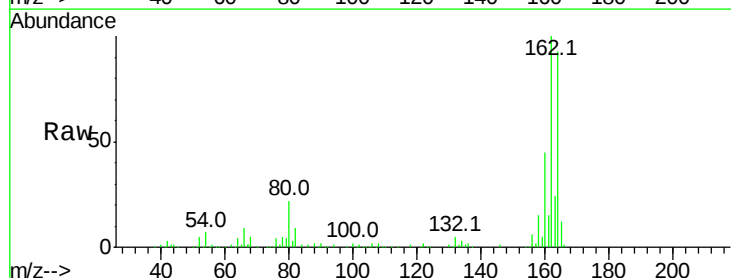
Tgt Ion:164 Resp: 157061

Ion Ratio Lower Upper

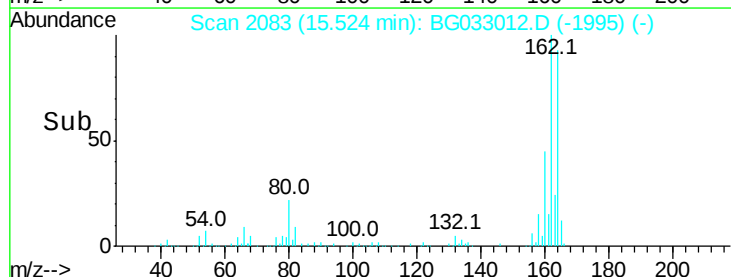
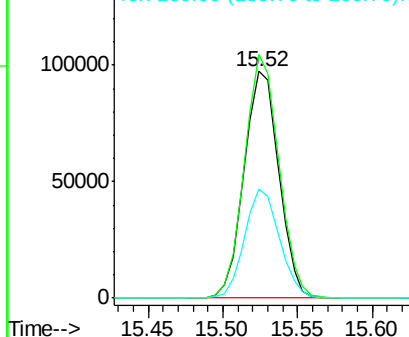
164 100

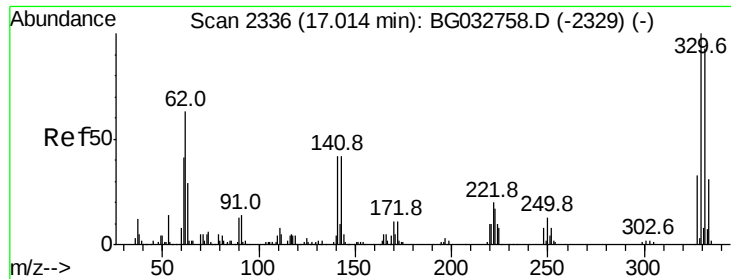
162 107.3 78.8 118.2

160 48.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

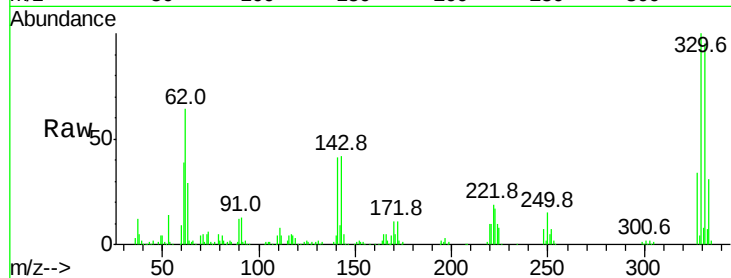




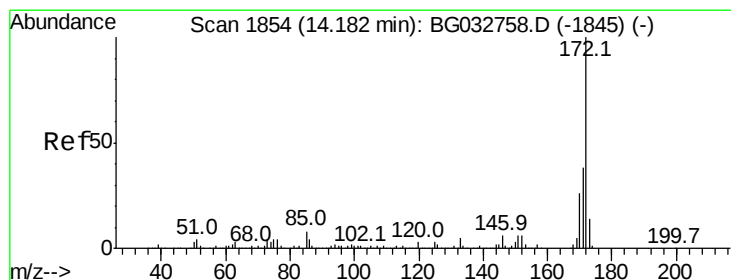
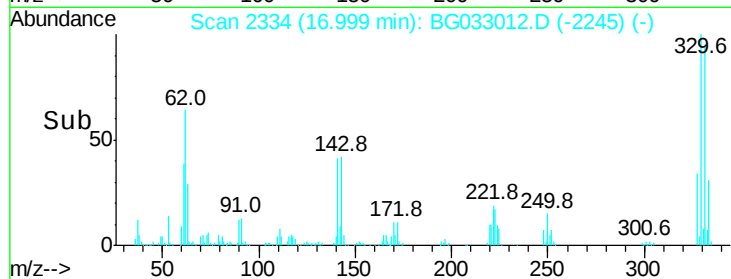
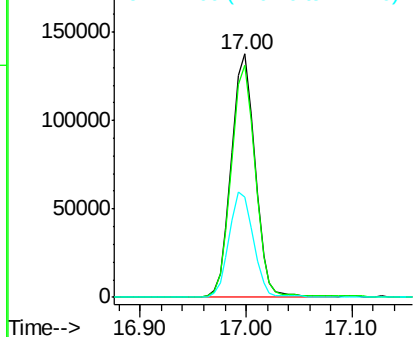
#41
 2,4,6-Tribromophenol
 Concen: 130.341 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BG033012.D
 Acq: 6 Mar 2018 6:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 215251
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 44.3 25.2 37.8#

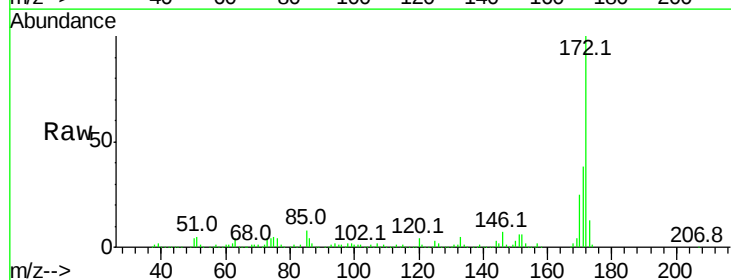


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

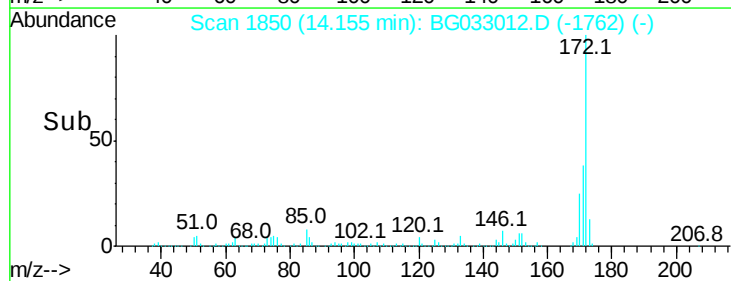
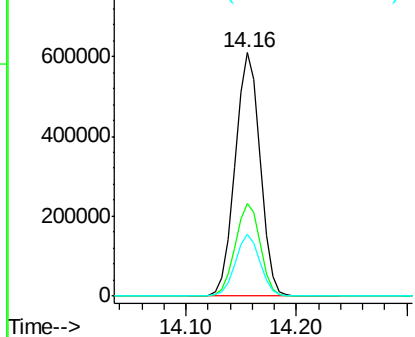


#44
 2-Fluorobiphenyl
 Concen: 88.983 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG033012.D
 Acq: 6 Mar 2018 6:31

Tgt Ion:172 Resp: 969018
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 25.2 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: 10.369 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampleId :

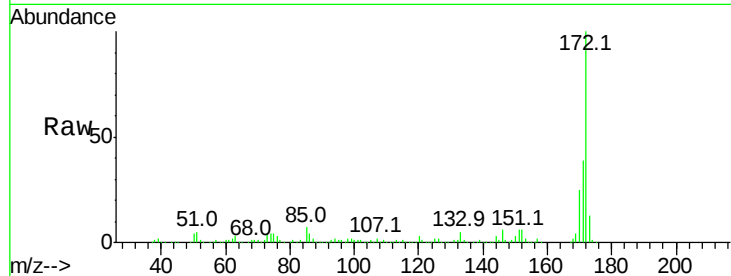
Tot Ion: 65 Resp: 1734

Ion Ratio Lower Upper

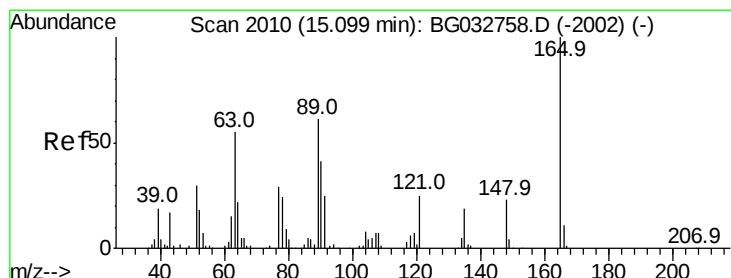
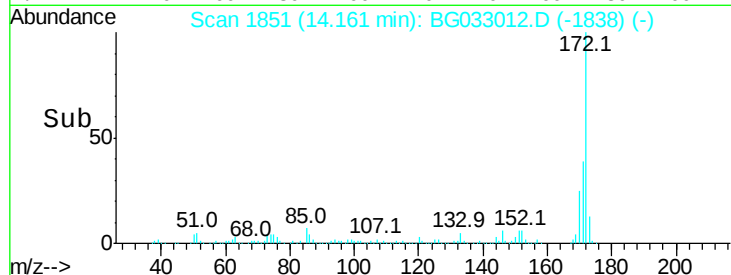
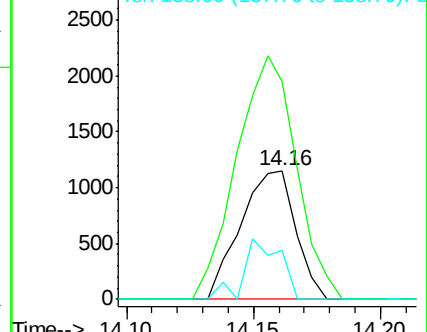
65 100

92 168.7 54.6 82.0#

138 38.1 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.480 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

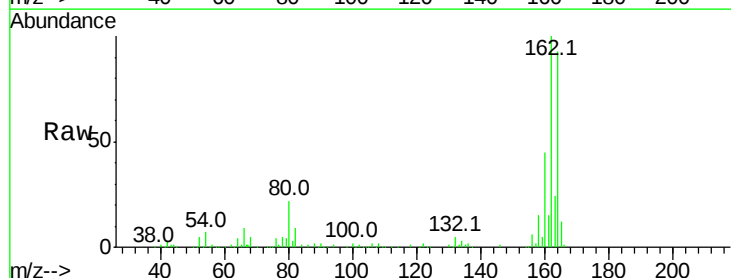
Tgt Ion:165 Resp: 20544

Ion Ratio Lower Upper

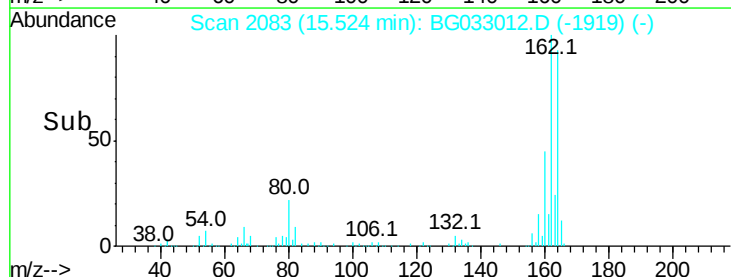
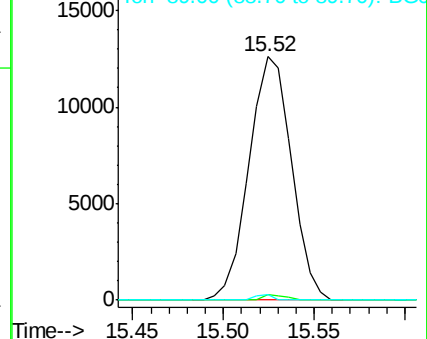
165 100

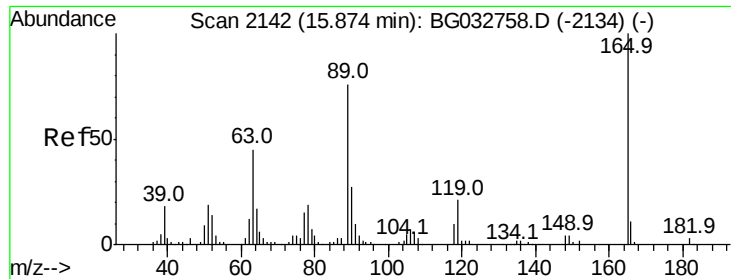
63 2.0 52.7 79.1#

89 2.1 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

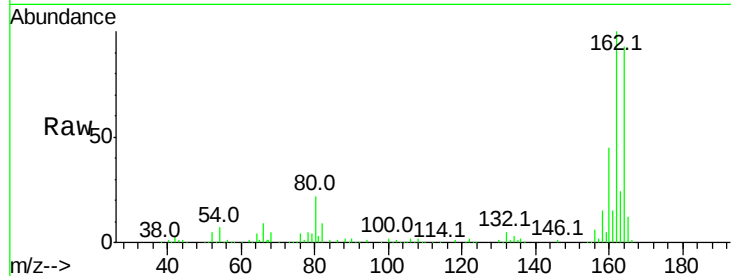




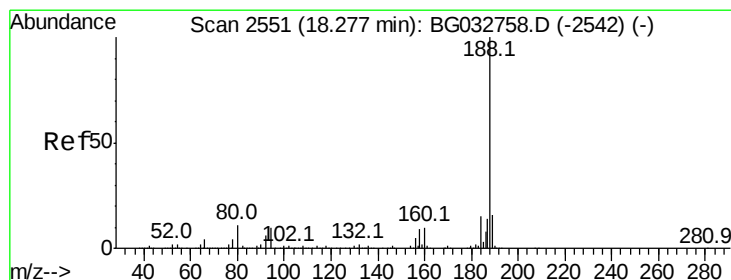
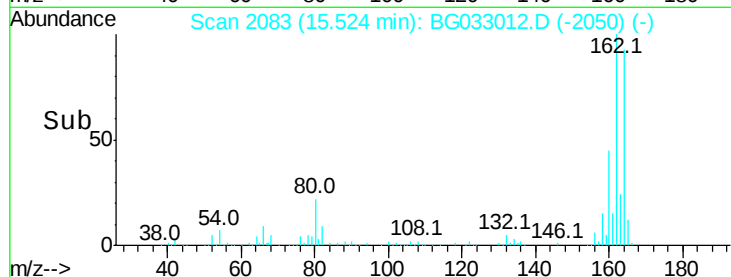
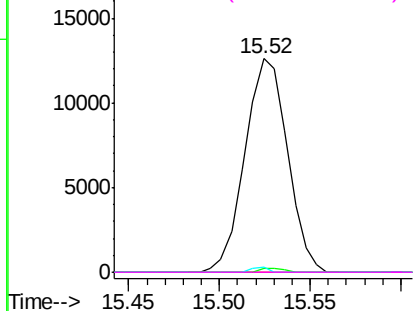
#56
2,4-Dinitrotoluene
Concen: 14.678 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033012.D
Acq: 6 Mar 2018 6:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20544
Ion Ratio Lower Upper
165 100
63 2.0 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#

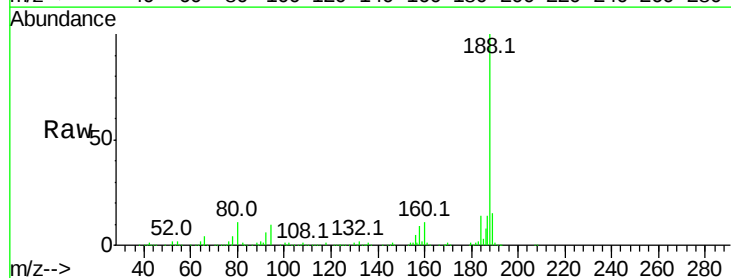


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

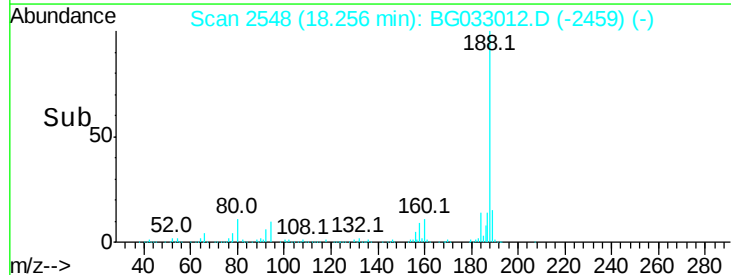
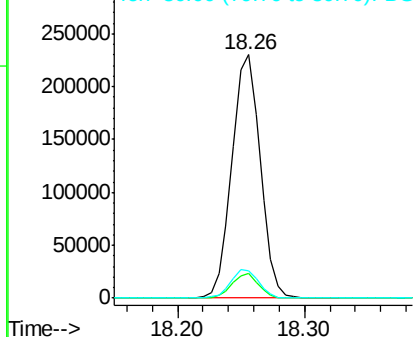


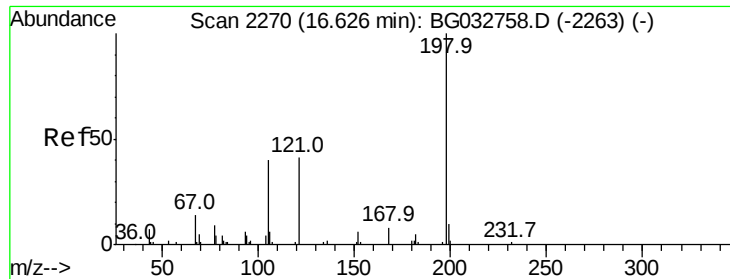
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BG033012.D
Acq: 6 Mar 2018 6:31

Tgt Ion:188 Resp: 355679
Ion Ratio Lower Upper
188 100
94 10.0 6.9 10.3
80 11.5 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

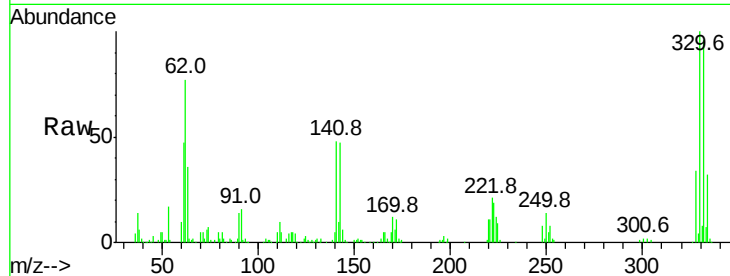




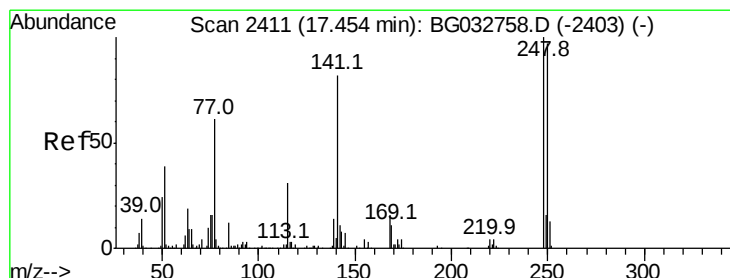
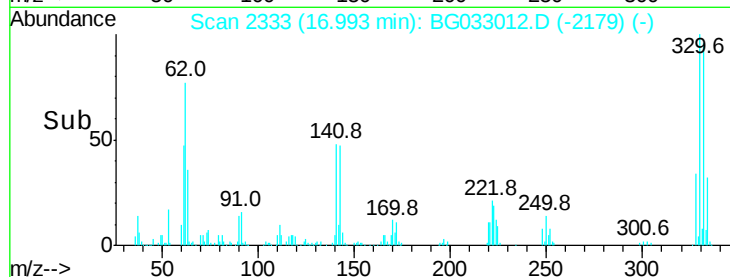
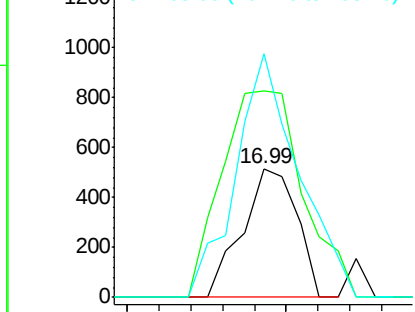
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.682 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG033012.D
 Acq: 6 Mar 2018 6:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 614
 Ion Ratio Lower Upper
 198 100
 51 160.3 30.6 70.6#
 105 188.8 23.8 63.8#

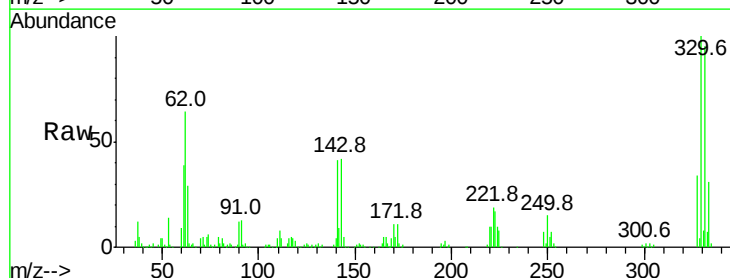


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

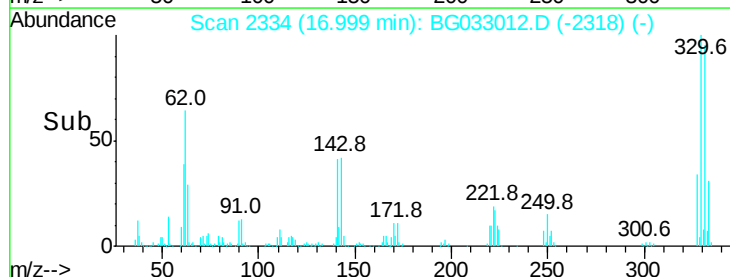
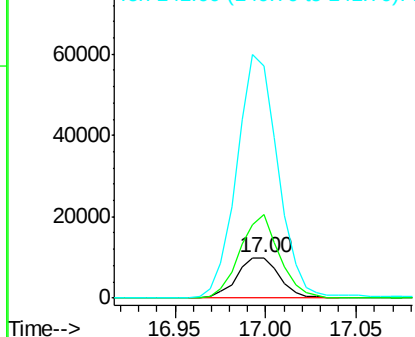


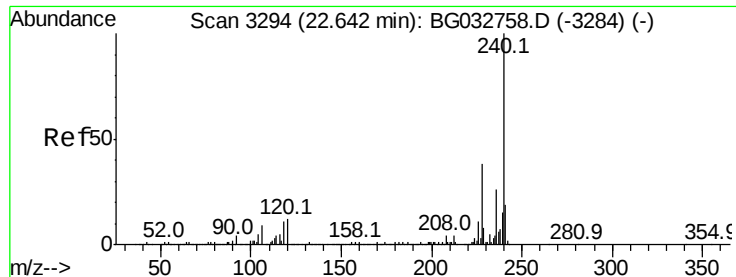
#66
 4-Bromophenyl-phenylether
 Concen: 4.301 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033012.D
 Acq: 6 Mar 2018 6:31

Tgt Ion:248 Resp: 16176
 Ion Ratio Lower Upper
 248 100
 250 206.2 77.1 115.7#
 141 574.6 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. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampleId :

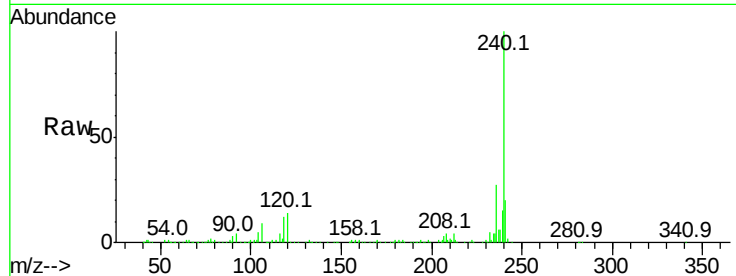
Tot Ion:240 Resp: 319842

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

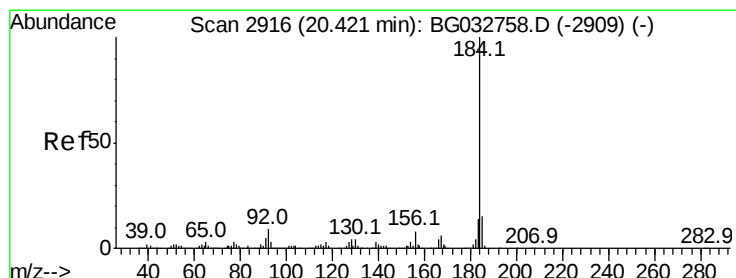
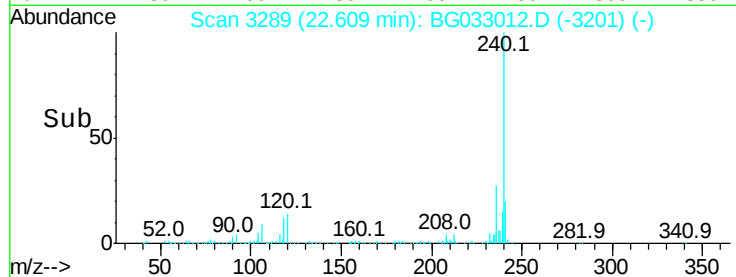
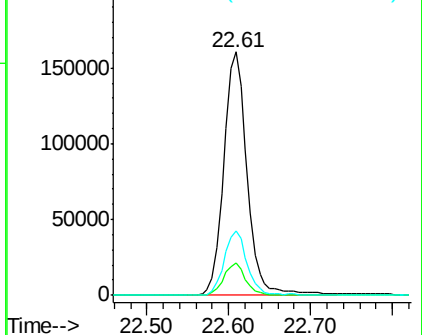
236 26.5 20.9 31.3



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: 2.121 ng

RT: 20.41 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

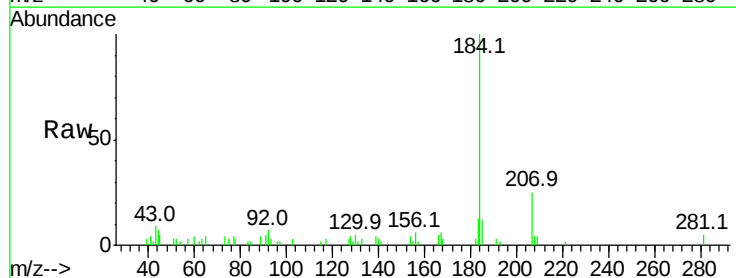
Tgt Ion:184 Resp: 23124

Ion Ratio Lower Upper

184 100

185 11.6 11.1 16.7

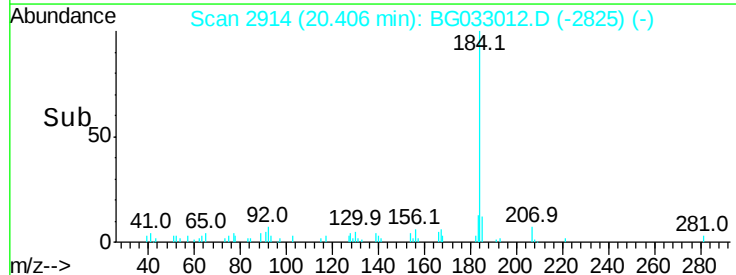
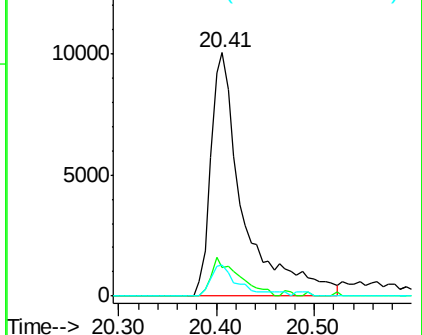
183 12.6 10.6 16.0

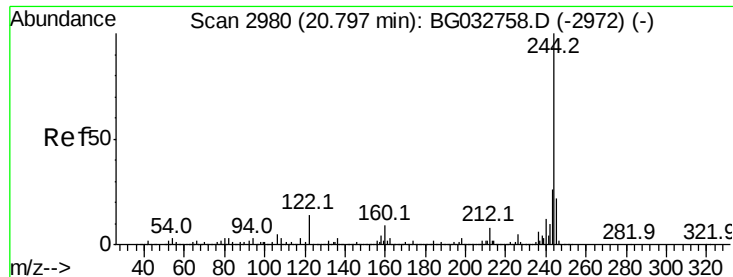


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.348 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

Instrument :

BNA_G

ClientSampled :

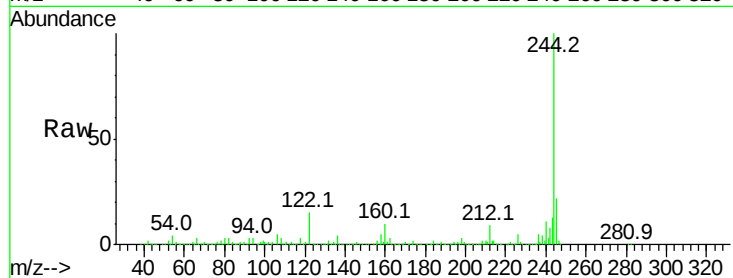
Tot Ion:244 Resp: 1442784

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

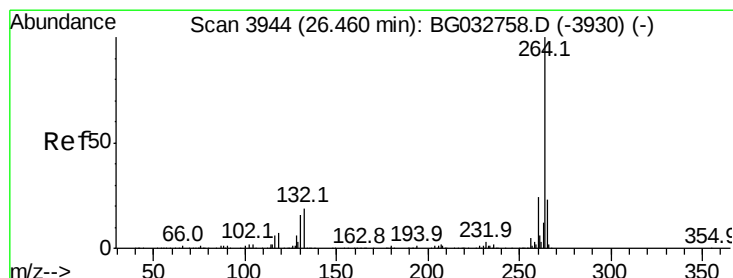
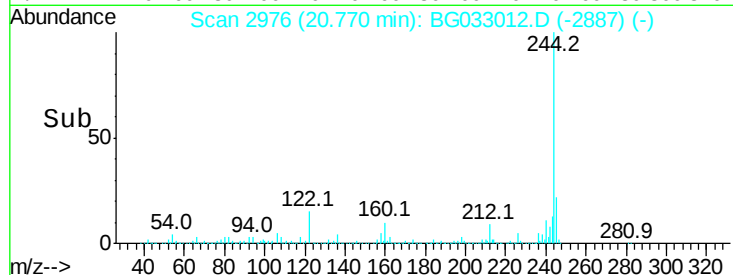
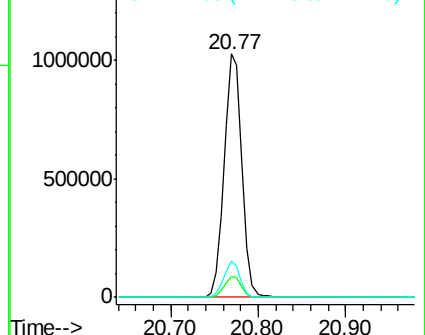
122 14.8 7.0 10.4#



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. -0.02 min

Lab File: BG033012.D

Acq: 6 Mar 2018 6:31

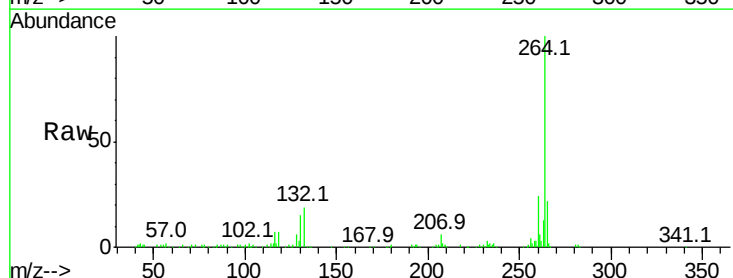
Tgt Ion:264 Resp: 303504

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.5 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

