

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033069.D
 Acq On : 9 Mar 2018 9:48
 Operator : SJ/JU
 Sample : J1749-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 10:22:00 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

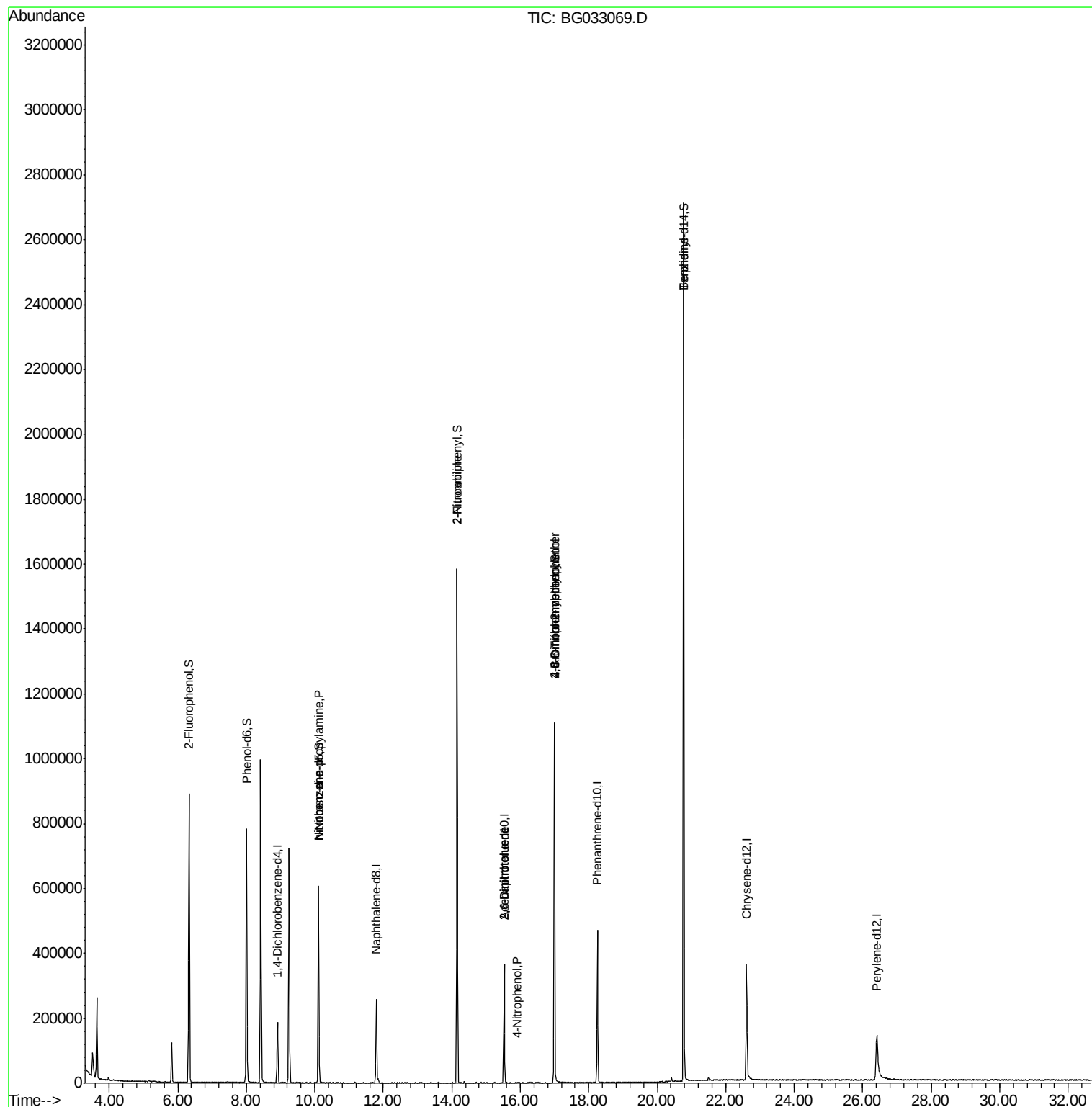
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	55642	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	232218	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	126270	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	289524	20.00	ng	0.00
75) Chrysene-d12	22.61	240	271384	20.00	ng	0.00
86) Perylene-d12	26.41	264	236822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	412712	118.67	ng	0.00
7) Phenol-d6	8.01	99	478895	98.79	ng	0.00
23) Nitrobenzene-d5	10.11	82	388950	112.59	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	203374	153.18	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	804348	91.87	ng	0.00
78) Terphenyl-d14	20.77	244	1225074	101.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	50524	14.763	ng	# 85
24) Nitrobenzene	10.11	77	1258	6.675	ng	# 42
47) 2-Nitroaniline	14.15	65	1622	10.456	ng	# 25
50) 2,6-Dinitrotoluene	15.52	165	16130	16.303	ng	# 19
55) 4-Nitrophenol	15.92	139	213	7.191	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	16130	14.500	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	693	5.964	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14218	4.644	ng	# 1
76) Benzidine	20.77	184	21249	2.297	ng	# 93

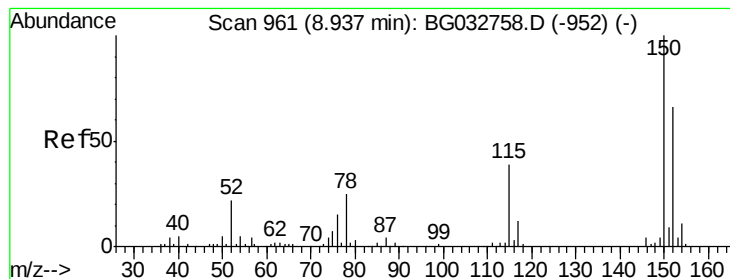
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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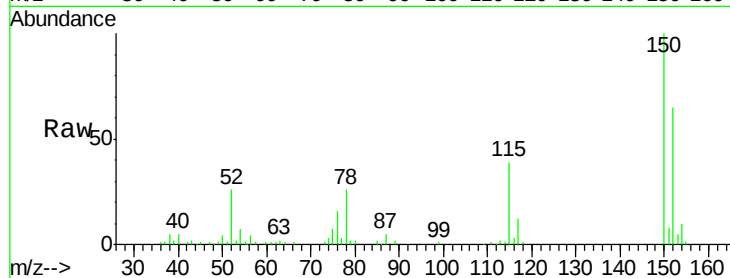


#1

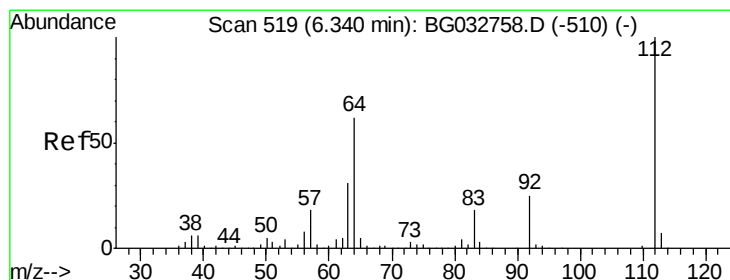
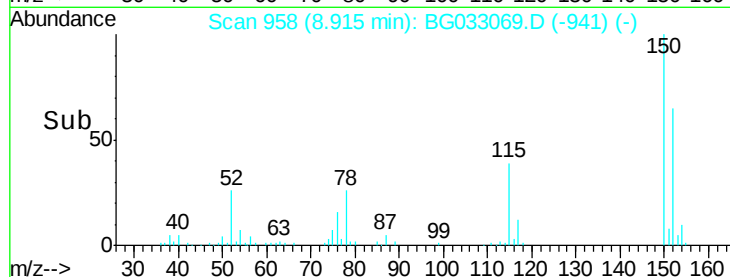
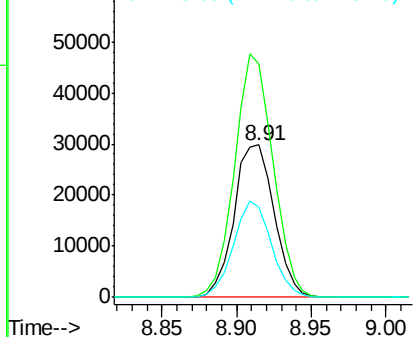
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55642
Ion Ratio Lower Upper
152 100
150 153.5 126.6 189.8
115 59.3 53.0 79.4



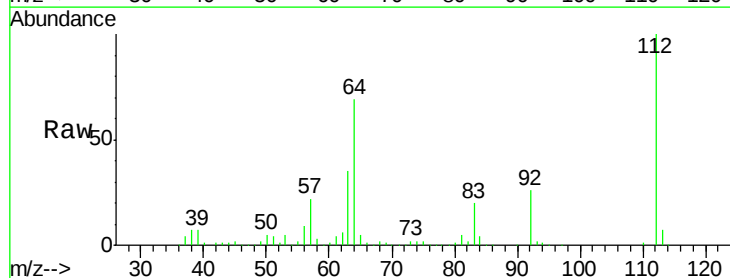
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



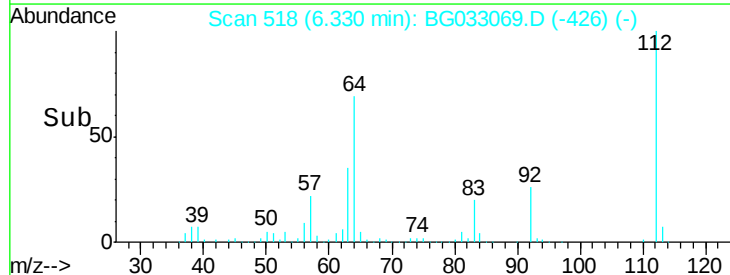
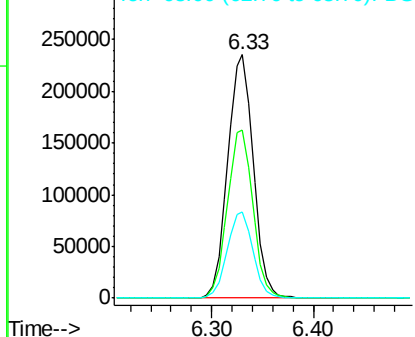
#5

2-Fluorophenol
Concen: 118.666 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Tgt Ion:112 Resp: 412712
Ion Ratio Lower Upper
112 100
64 68.9 56.3 84.5
63 35.1 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: 98.787 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

Instrument :

BNA_G

ClientSampleId :

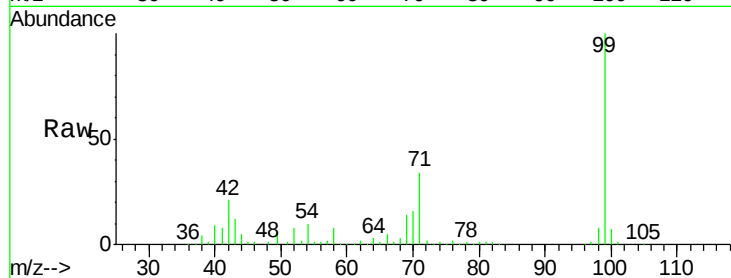
Tot Ion: 99 Resp: 478895

Ion Ratio Lower Upper

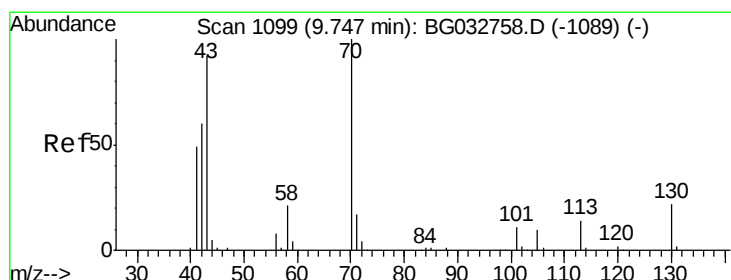
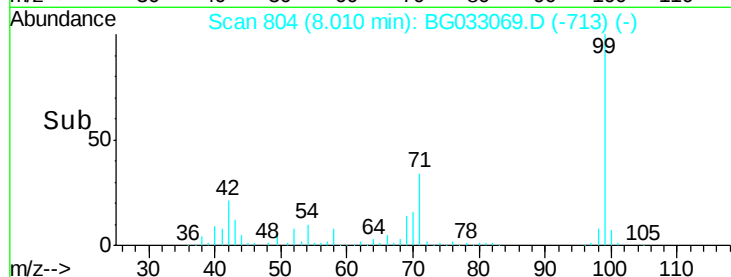
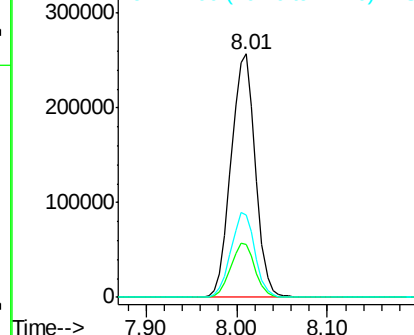
99 100

42 21.5 14.1 21.1#

71 34.0 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: 14.763 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

Tgt Ion: 70 Resp: 50524

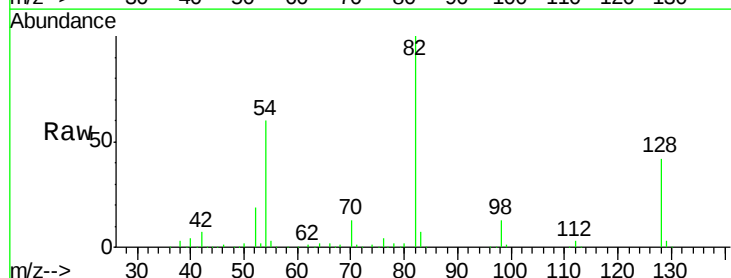
Ion Ratio Lower Upper

70 100

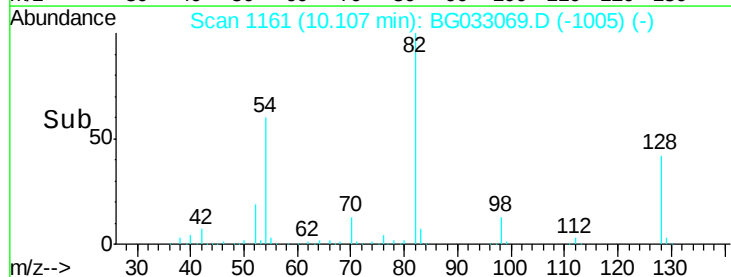
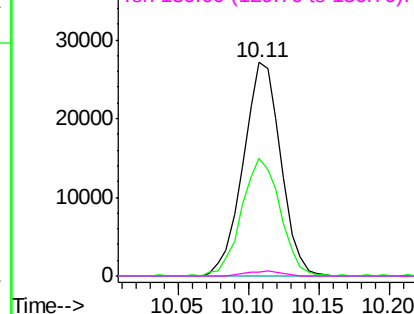
42 55.4 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 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

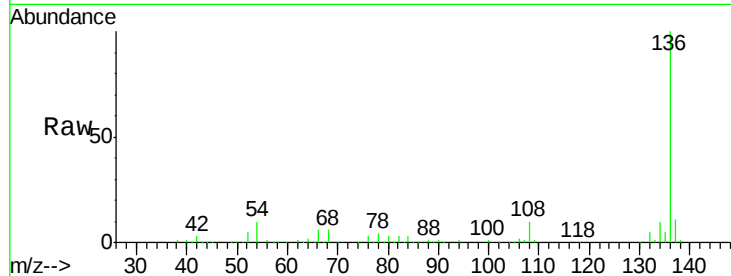




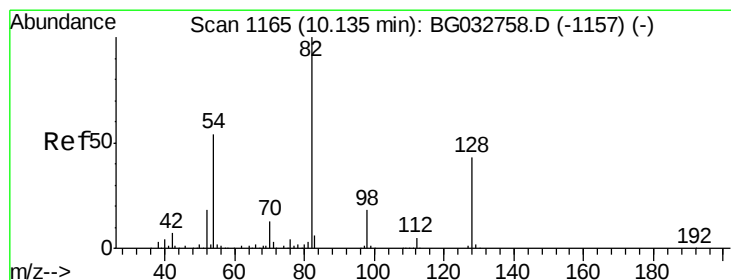
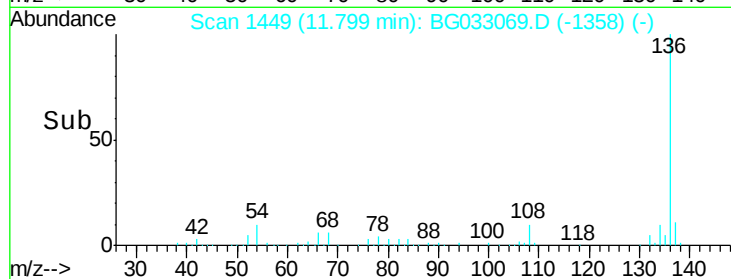
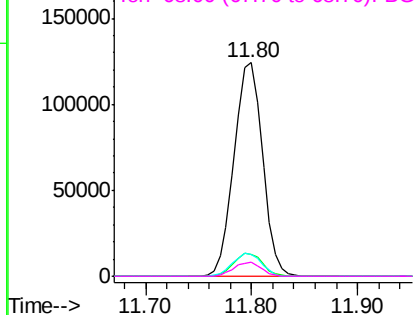
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 232218
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 10.3 10.3 15.5#
68 6.3 4.5 6.7

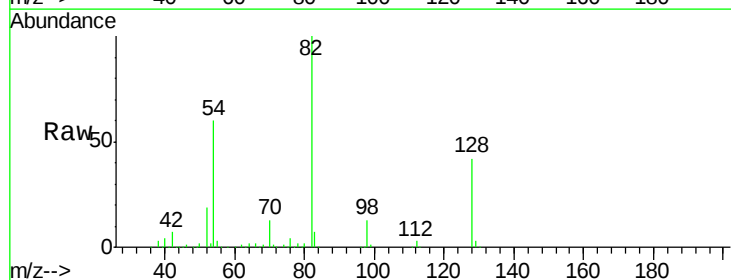


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

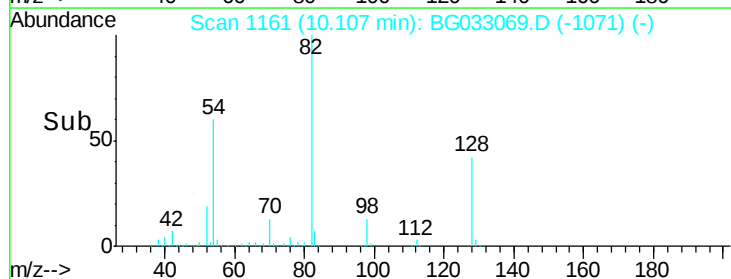
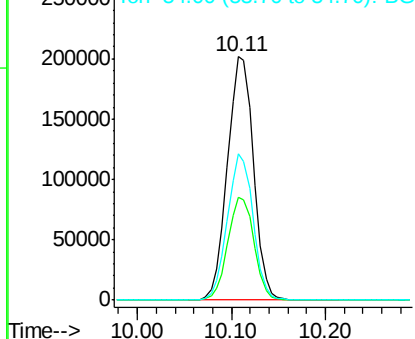


#23
Nitrobenzene-d5
Concen: 112.590 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Tgt Ion: 82 Resp: 388950
Ion Ratio Lower Upper
82 100
128 42.3 29.7 44.5
54 60.0 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

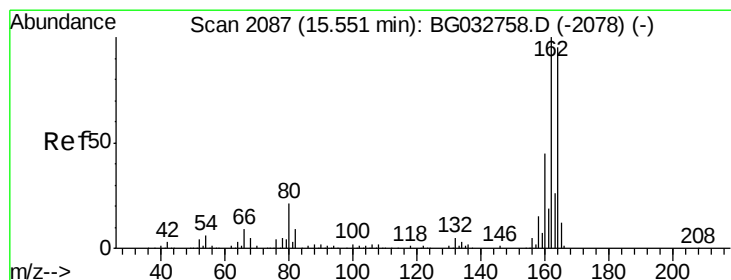
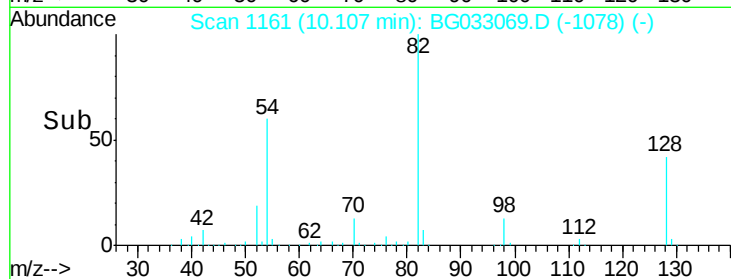
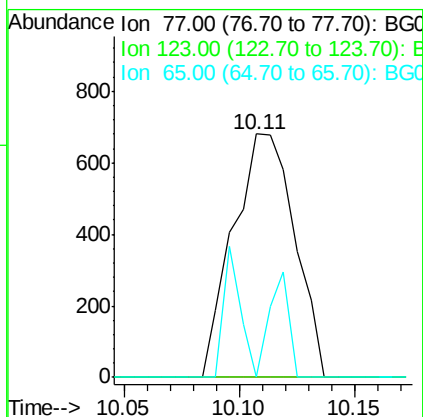
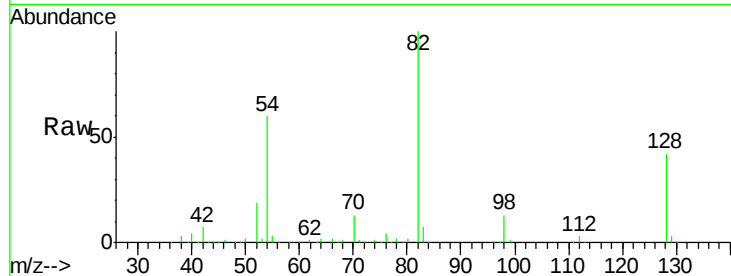




#24
 Nitrobenzene
 Concen: 6.675 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033069.D
 Acq: 9 Mar 2018 9:48

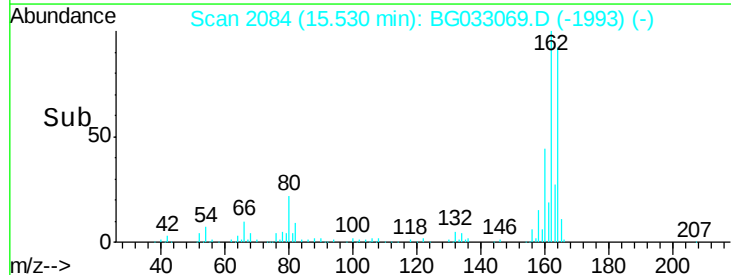
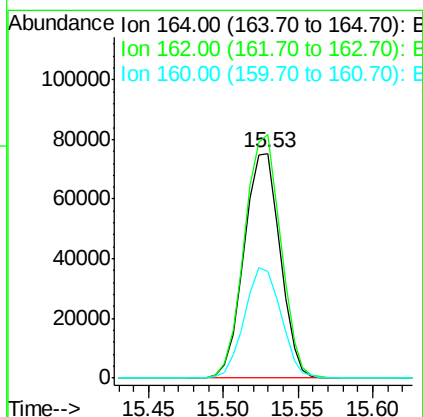
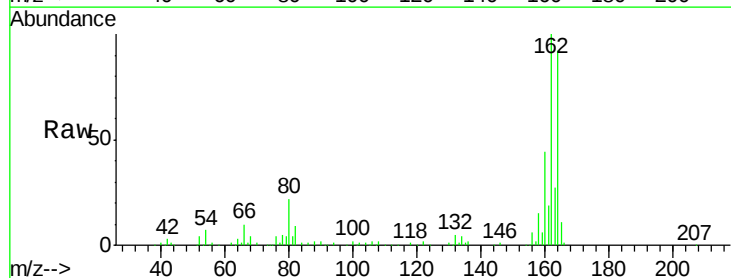
Instrument :
 BNA_G
 ClientSampled :

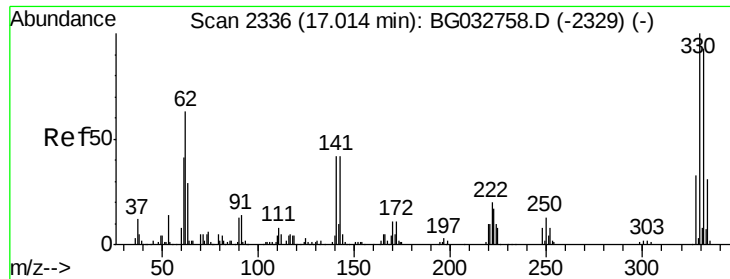
Tot Ion: 77 Resp: 1258
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: BG033069.D
 Acq: 9 Mar 2018 9:48

Tgt Ion:164 Resp: 126270
 Ion Ratio Lower Upper
 164 100
 162 108.2 78.8 118.2
 160 47.2 35.4 53.0

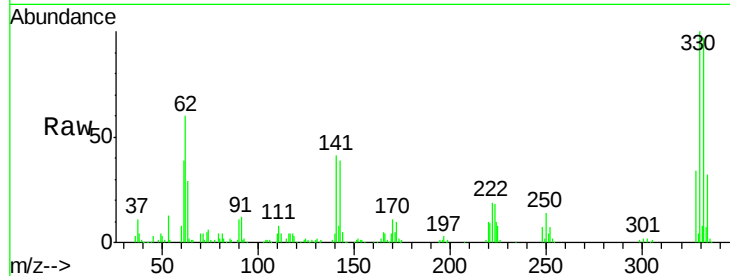




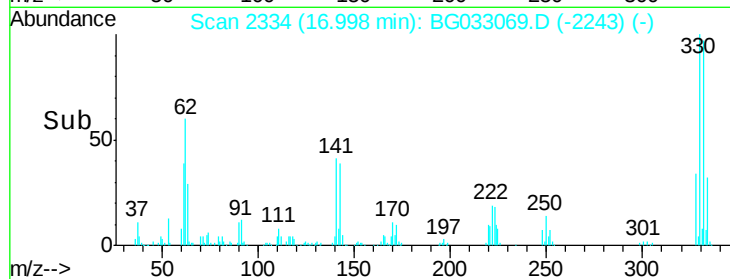
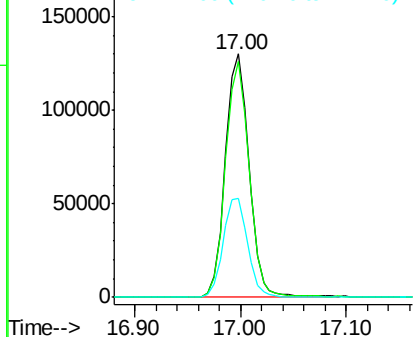
#41
 2,4,6-Tribromophenol
 Concen: 153.179 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033069.D
 Acq: 9 Mar 2018 9:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 203374
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 41.8 25.2 37.8#

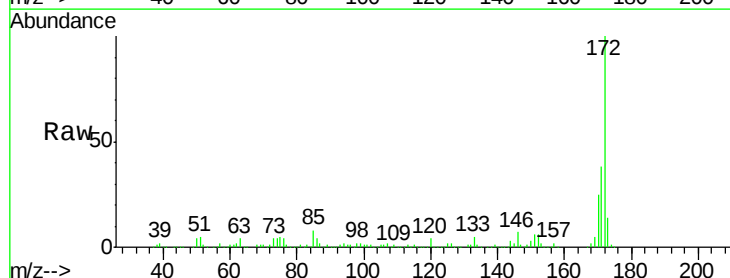


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

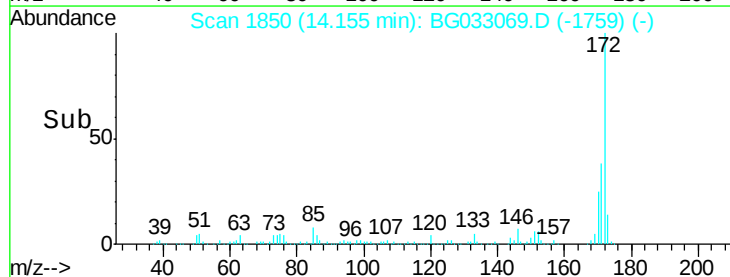
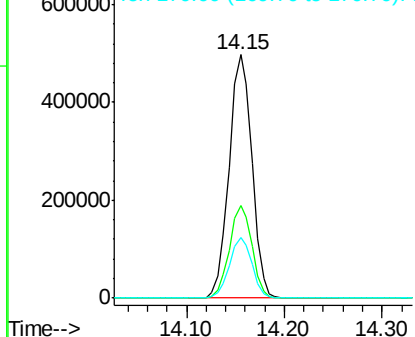


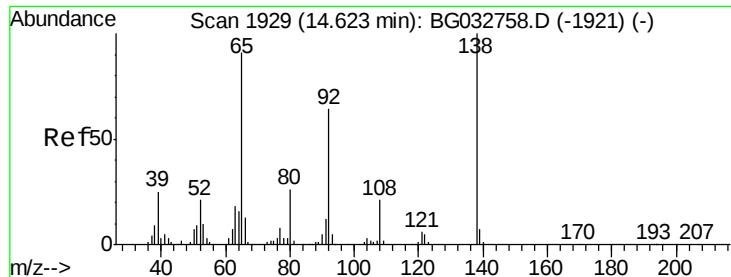
#44
 2-Fluorobiphenyl
 Concen: 91.872 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033069.D
 Acq: 9 Mar 2018 9:48

Tgt Ion:172 Resp: 804348
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.9 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

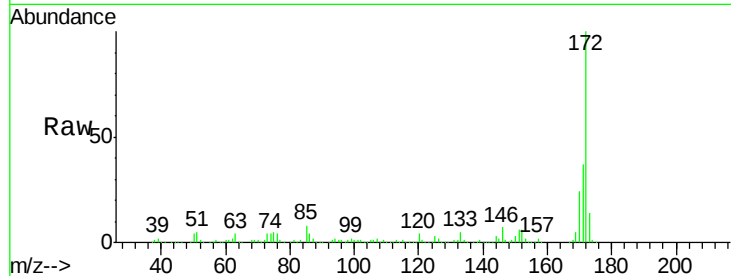




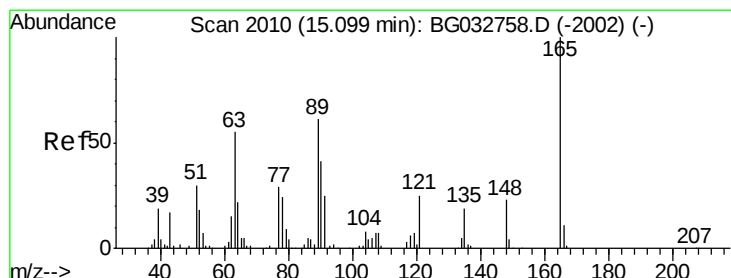
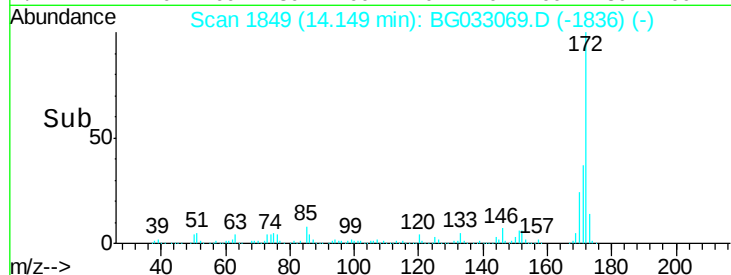
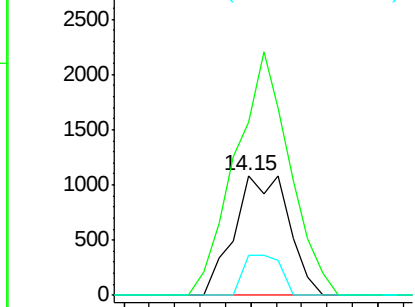
#47
2-Nitroaniline
Concen: 10.456 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.46 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Instrument :
BNA_G
ClientSampled :

Tot Ion: 65 Resp: 1622
Ion Ratio Lower Upper
65 100
92 145.3 54.6 82.0#
138 33.9 72.9 109.3#

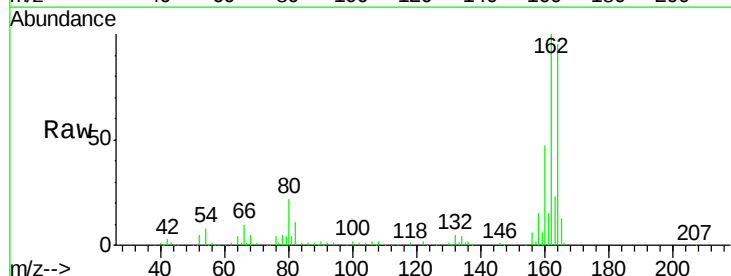


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

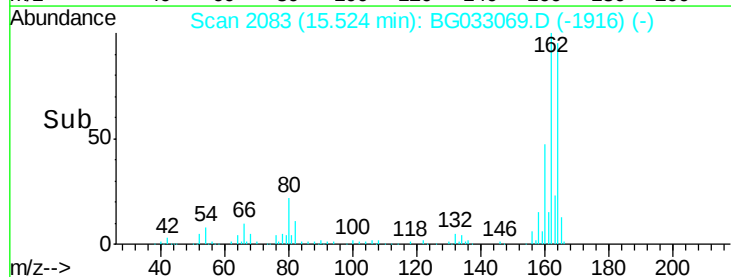
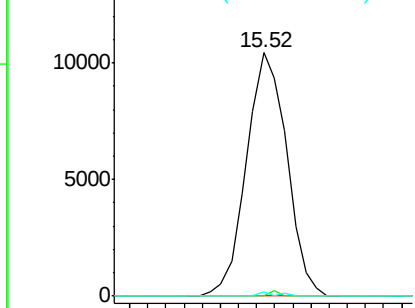


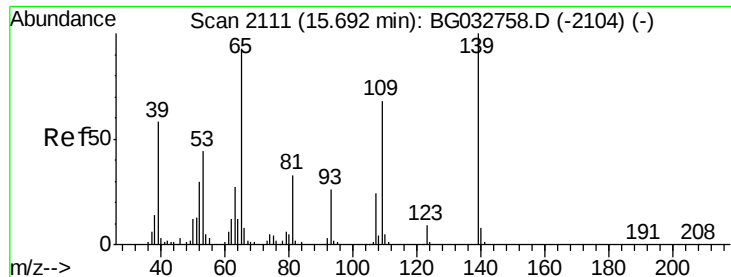
#50
2,6-Dinitrotoluene
Concen: 16.303 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Tgt Ion: 165 Resp: 16130
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 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





#55

4-Nitrophenol

Concen: 7.191 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

Instrument :

BNA_G

ClientSampleId :

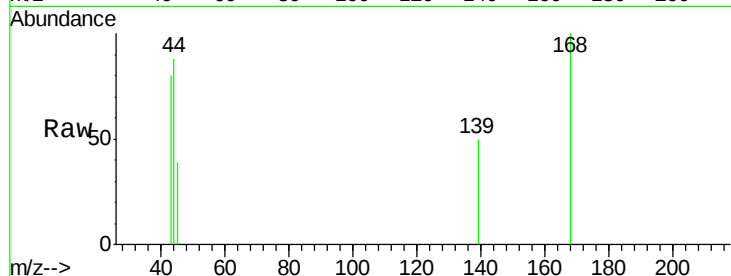
Tot Ion:139 Resp: 213

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

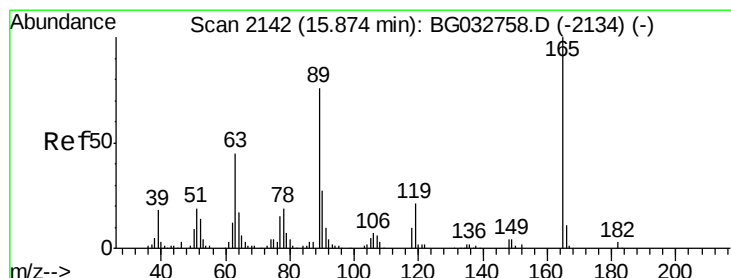
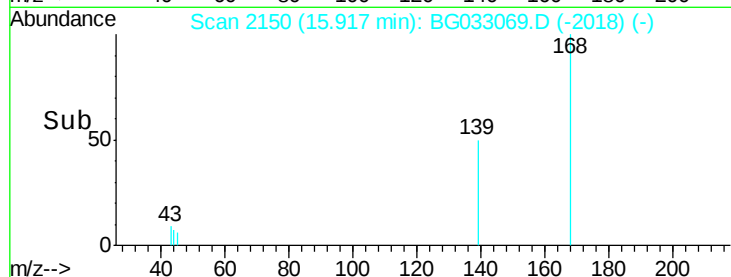
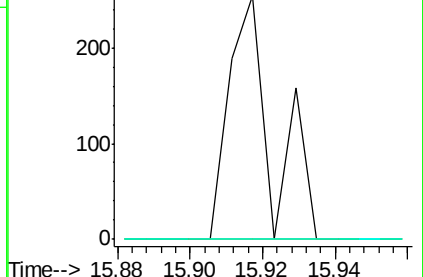
65 0.0 97.2 137.2#



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): E



#56

2,4-Dinitrotoluene

Concen: 14.500 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

Tgt Ion:165 Resp: 16130

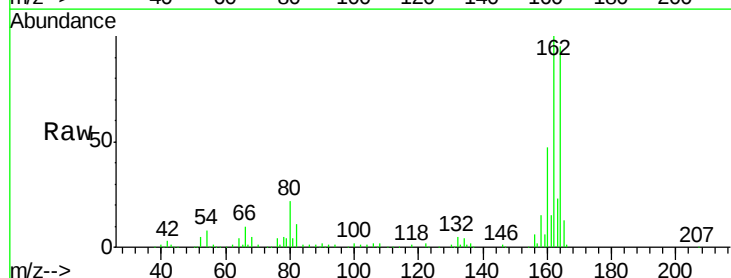
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.7 66.9 100.3#

182 0.0 2.6 3.8#

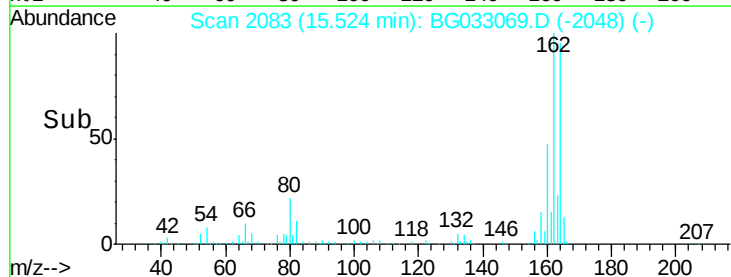
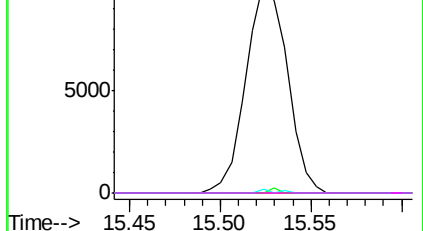


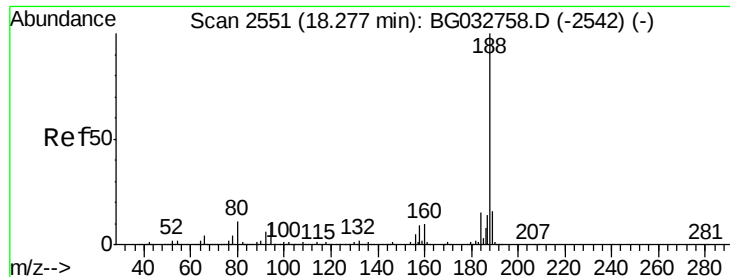
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

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: BG033069.D

Acq: 9 Mar 2018 9:48

Instrument :

BNA_G

ClientSampled :

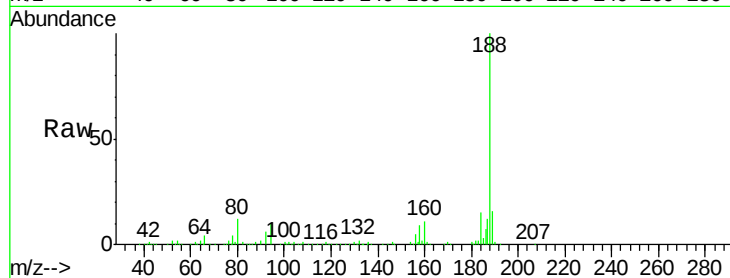
Tot Ion:188 Resp: 289524

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

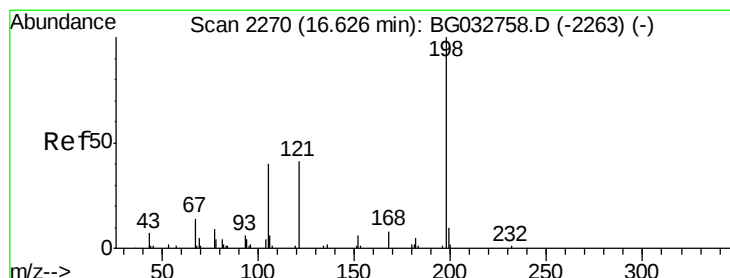
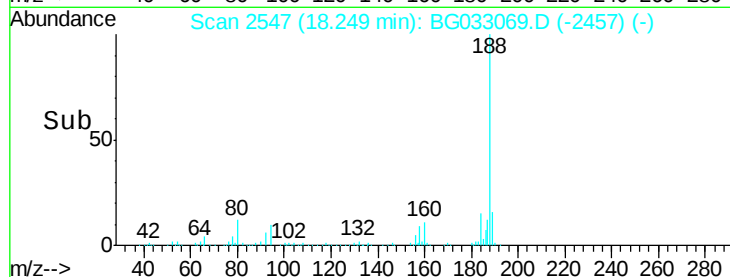
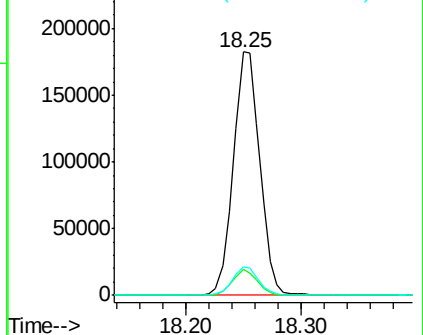
80 12.0 7.7 11.5#



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: 5.964 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

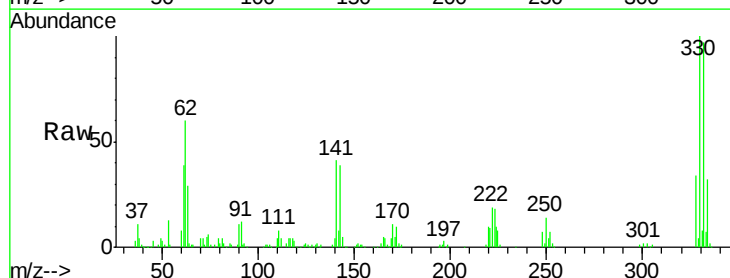
Tgt Ion:198 Resp: 693

Ion Ratio Lower Upper

198 100

51 151.7 30.6 70.6#

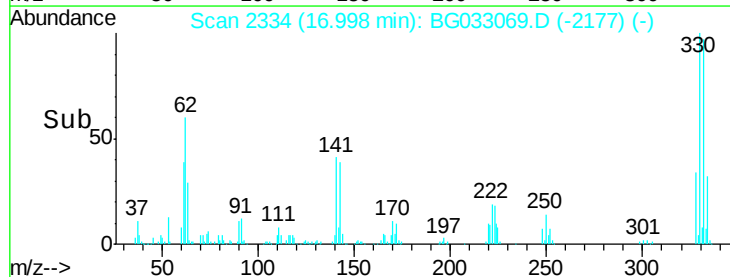
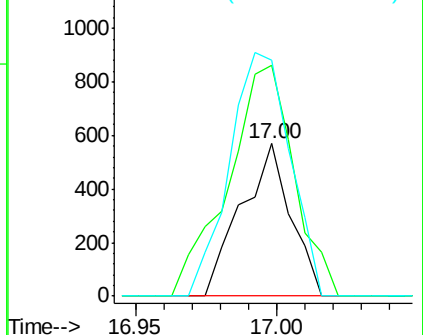
105 154.8 23.8 63.8#

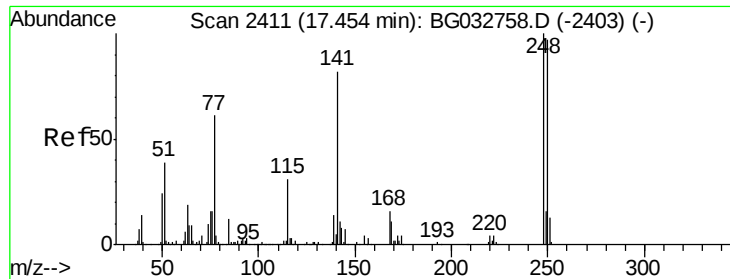


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

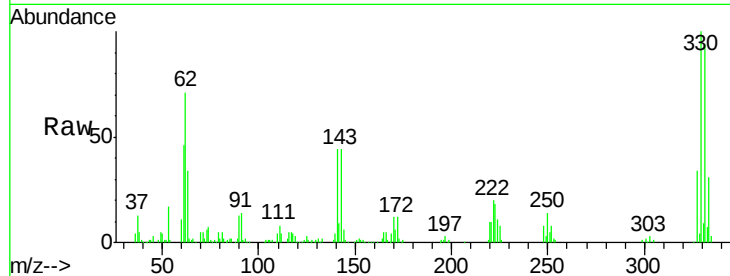




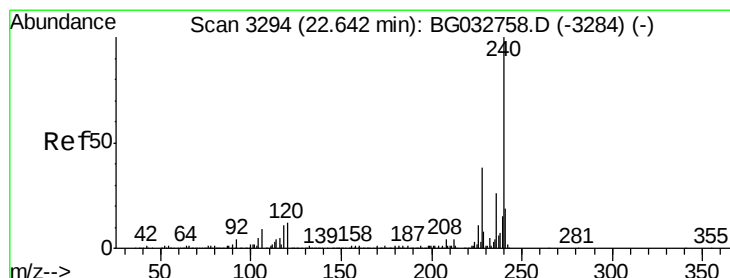
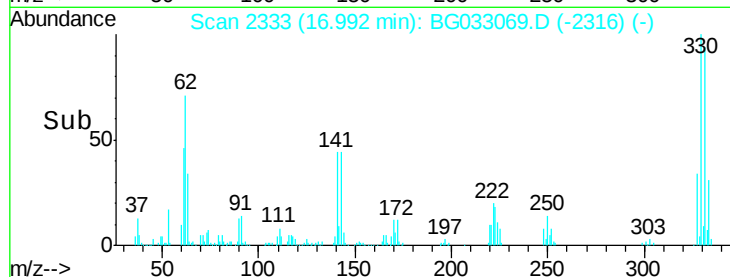
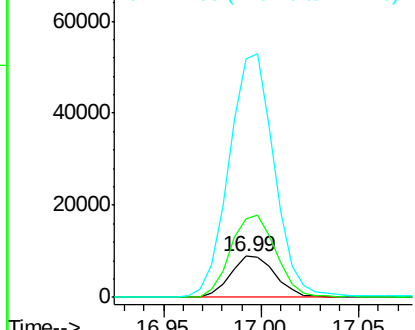
#66
4-Bromophenyl-phenylether
Concen: 4.644 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14218
Ion Ratio Lower Upper
248 100
250 191.1 77.1 115.7#
141 581.4 50.8 76.2#

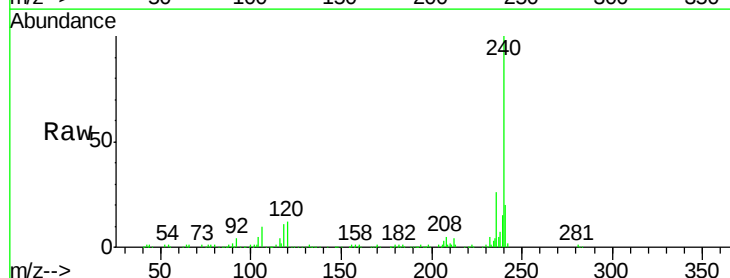


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

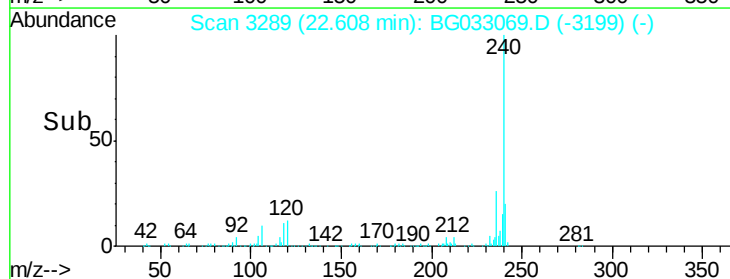
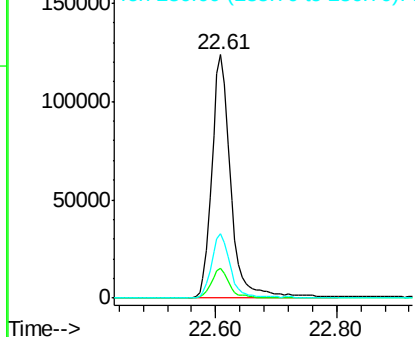


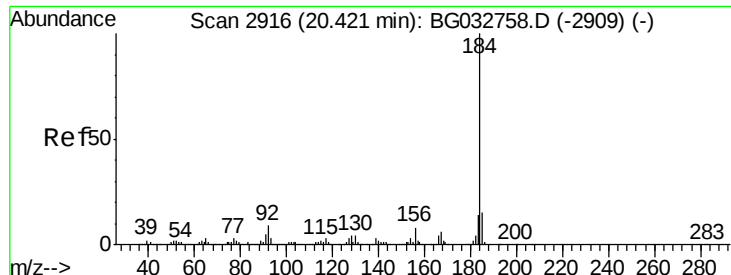
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3289
Delta R.T. -0.00 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Tgt Ion:240 Resp: 271384
Ion Ratio Lower Upper
240 100
120 12.3 6.8 10.2#
236 26.3 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: 2.297 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

Instrument :

BNA_G

ClientSampleId :

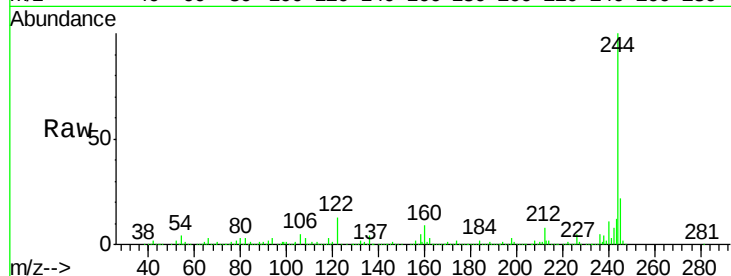
Tot Ion:184 Resp: 21249

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

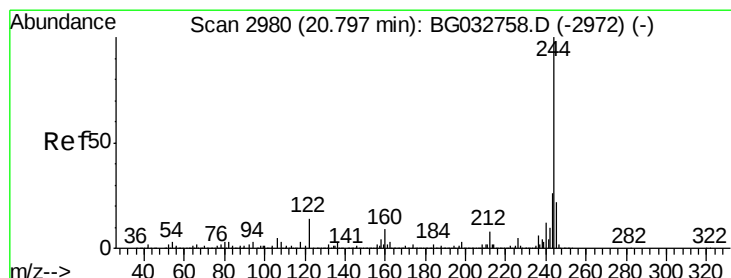
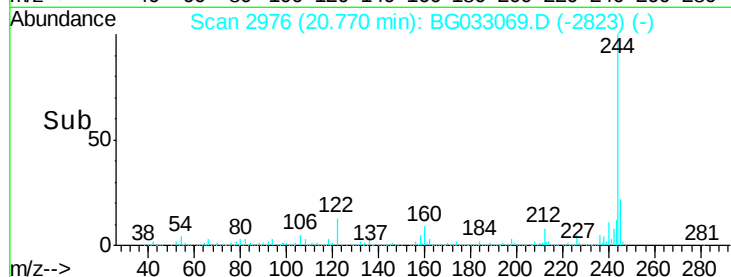
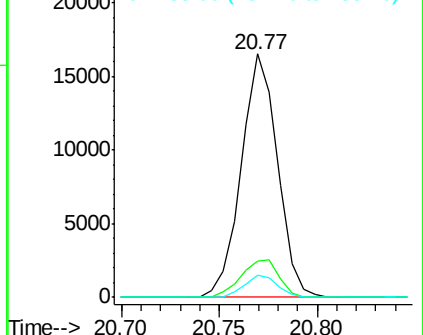
183 9.1 10.6 16.0#



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: 101.421 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033069.D

Acq: 9 Mar 2018 9:48

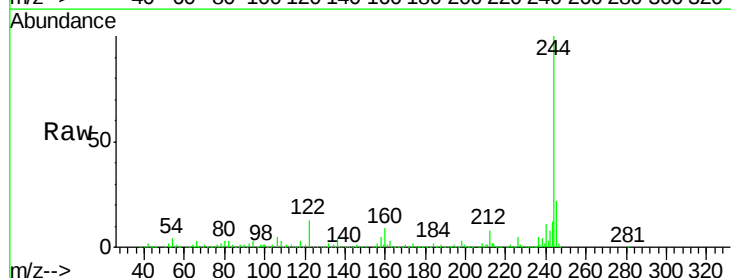
Tgt Ion:244 Resp: 1225074

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

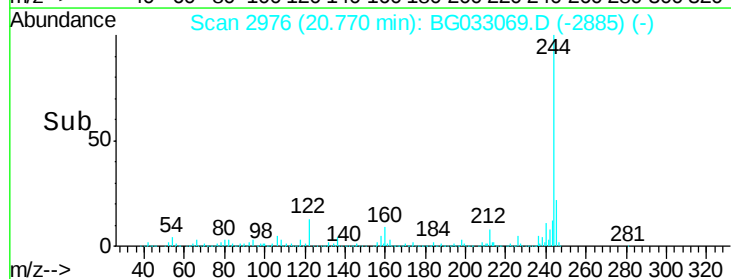
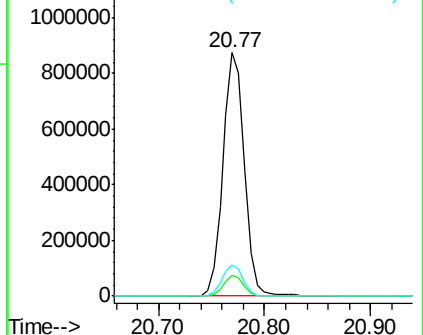
122 12.8 7.0 10.4#

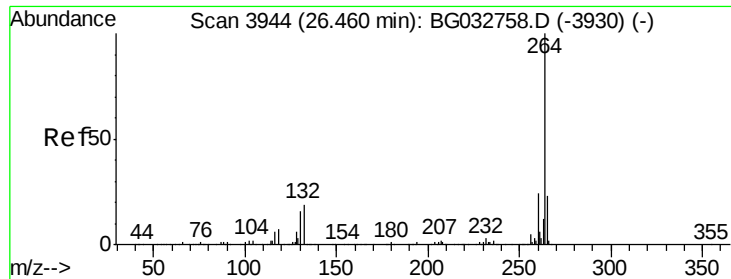


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

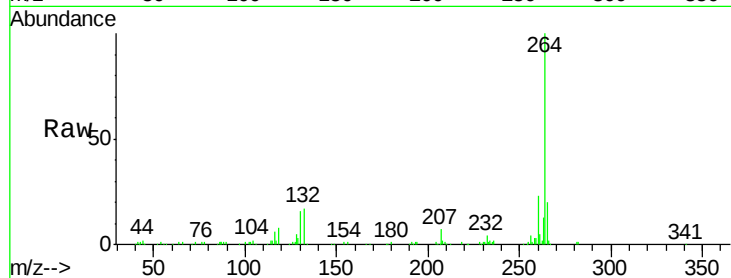




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3937
Delta R.T. 0.01 min
Lab File: BG033069.D
Acq: 9 Mar 2018 9:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	20.3	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

