

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033068.D
 Acq On : 9 Mar 2018 9:10
 Operator : SJ/JU
 Sample : J1748-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 10:09:05 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

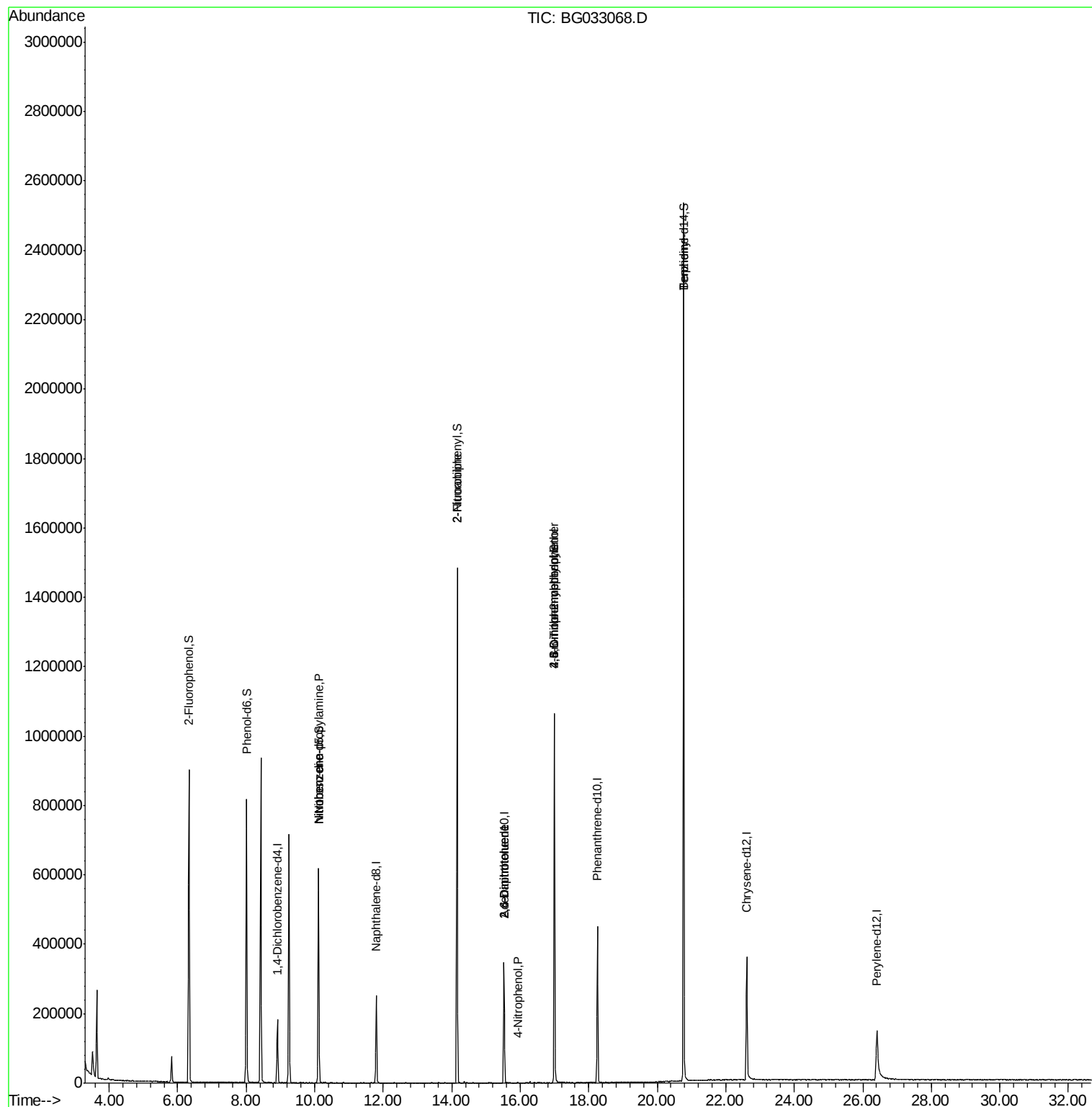
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	52302	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	223540	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	121965	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	271499	20.00	ng	0.00
75) Chrysene-d12	22.61	240	261795	20.00	ng	0.00
86) Perylene-d12	26.41	264	229922	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	412892	126.30	ng	0.00
7) Phenol-d6	8.01	99	483767	106.16	ng	0.00
23) Nitrobenzene-d5	10.11	82	374794	112.69	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	196642	153.34	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	785332	92.87	ng	0.00
78) Terphenyl-d14	20.77	244	1183413	101.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	48581	15.101	ng	# 87
24) Nitrobenzene	10.11	77	1097	6.647	ng	# 48
47) 2-Nitroaniline	14.16	65	1557	10.452	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	15696	16.358	ng	# 21
55) 4-Nitrophenol	15.92	139	284	7.233	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	15696	14.555	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	226	5.303	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	12964	4.516	ng	# 1
76) Benzidine	20.77	184	20577	2.306	ng	# 88

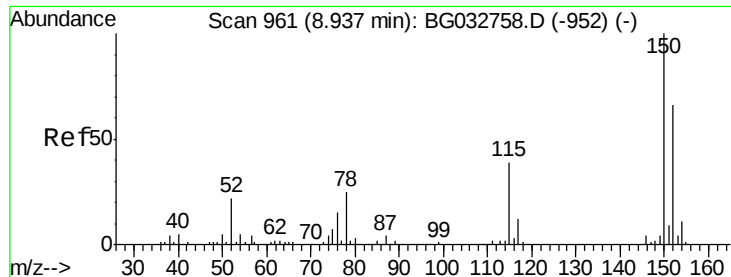
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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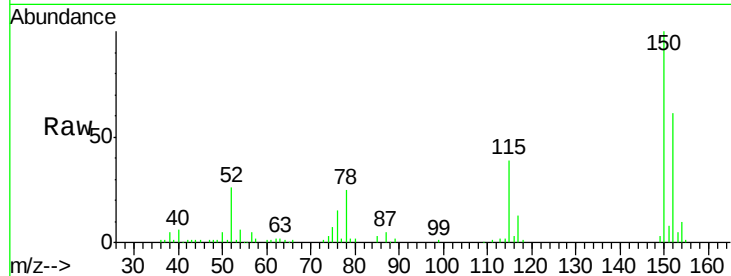


#1

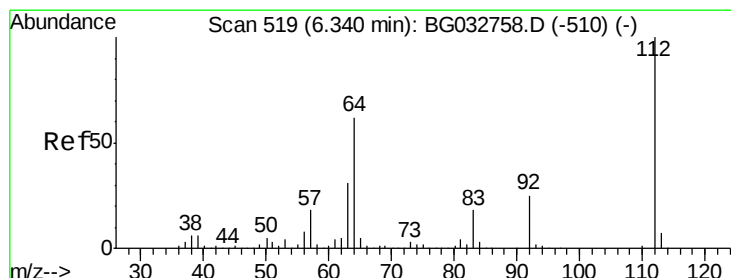
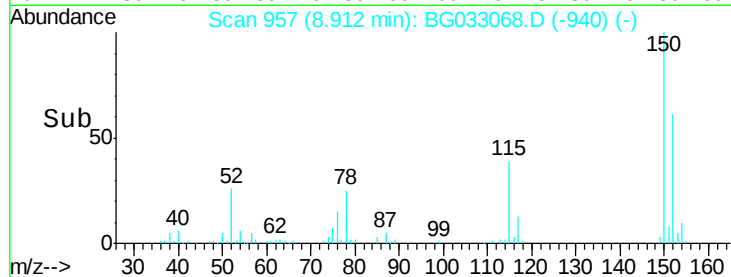
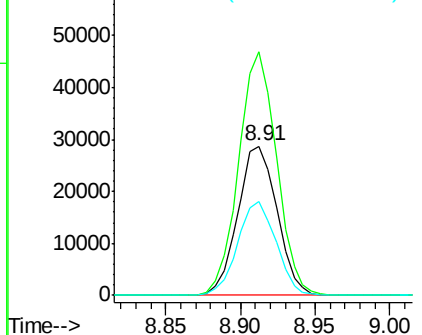
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52302
Ion Ratio Lower Upper
152 100
150 163.2 126.6 189.8
115 63.2 53.0 79.4



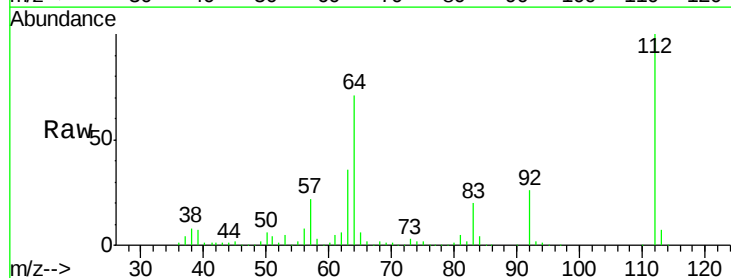
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



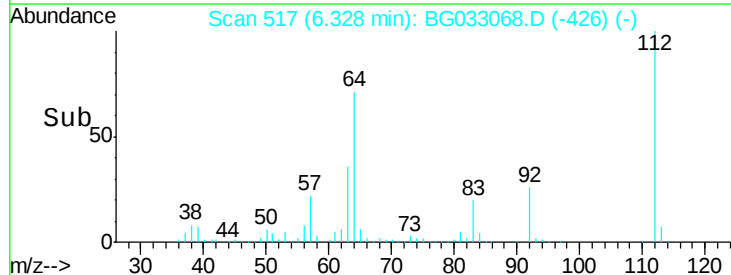
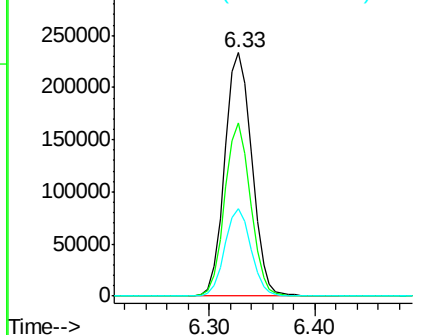
#5

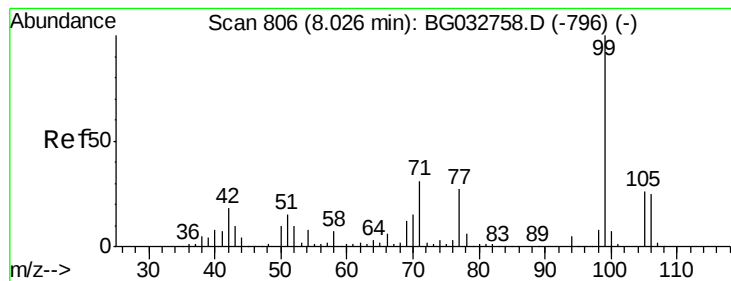
2-Fluorophenol
Concen: 126.299 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.01 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Tgt Ion:112 Resp: 412892
Ion Ratio Lower Upper
112 100
64 71.2 56.3 84.5
63 36.0 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: 106.164 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033068.D

Acq: 9 Mar 2018 9:10

Instrument :

BNA_G

ClientSampleId :

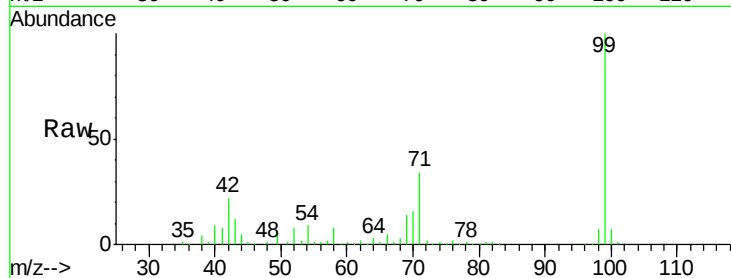
Tot Ion: 99 Resp: 483767

Ion Ratio Lower Upper

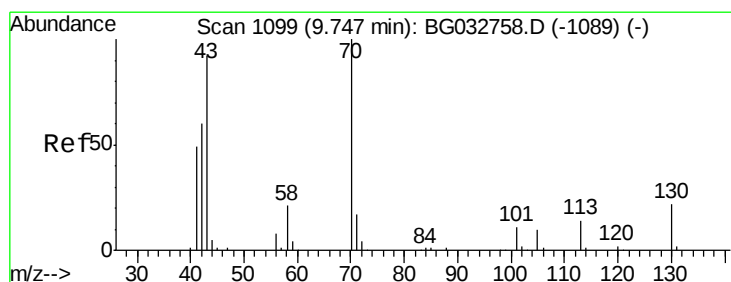
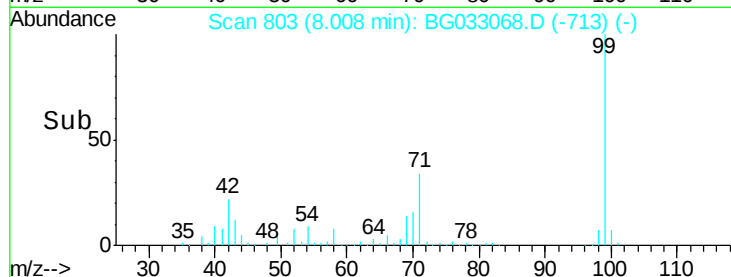
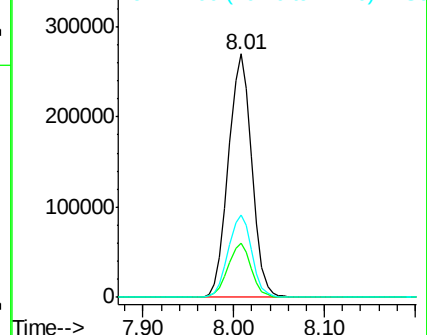
99 100

42 22.1 14.1 21.1#

71 33.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.101 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033068.D

Acq: 9 Mar 2018 9:10

Tgt Ion: 70 Resp: 48581

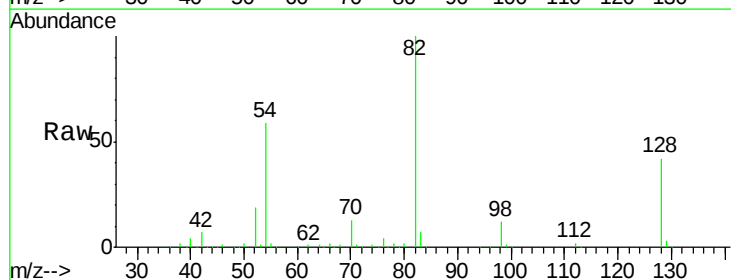
Ion Ratio Lower Upper

70 100

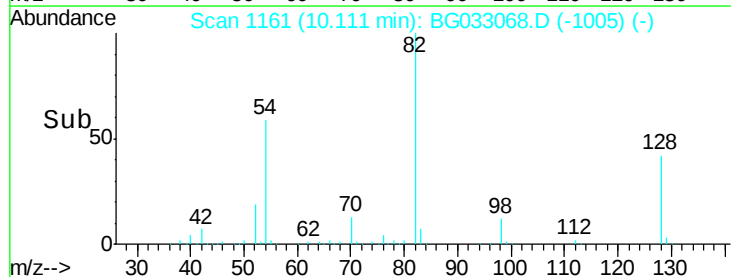
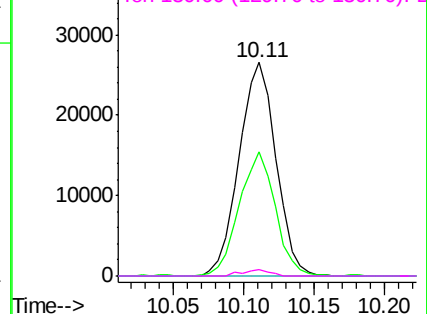
42 57.9 49.1 73.7

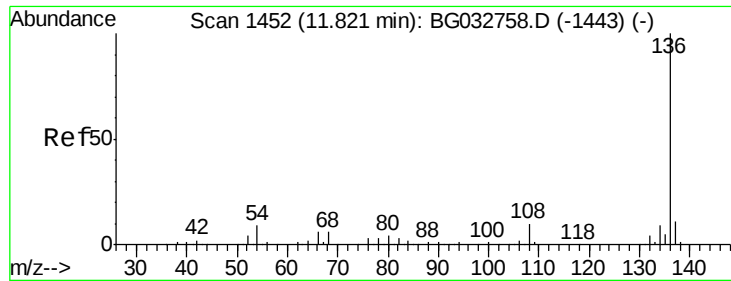
101 0.0 8.5 12.7#

130 2.9 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

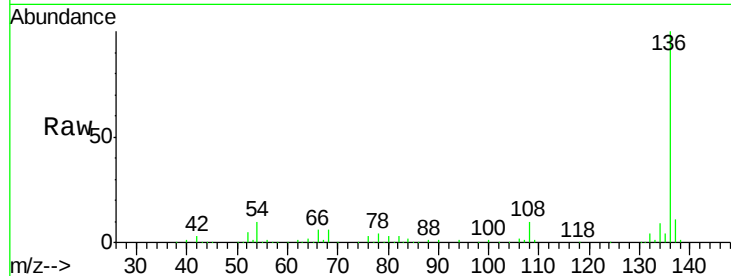




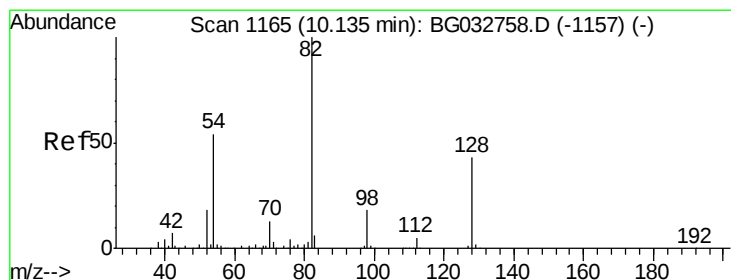
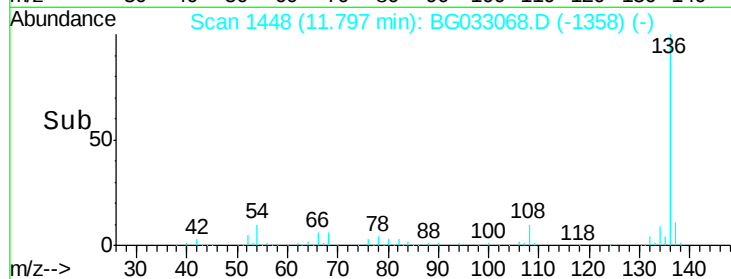
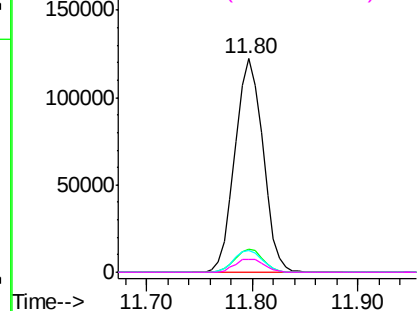
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	223540
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	10.3	10.3 15.5
68	6.1	4.5 6.7

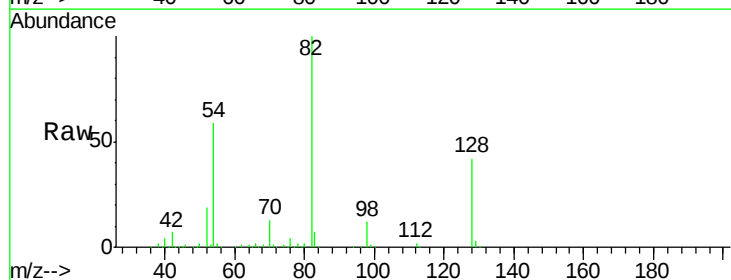


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

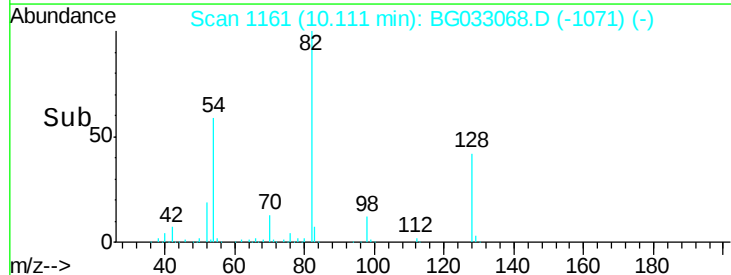
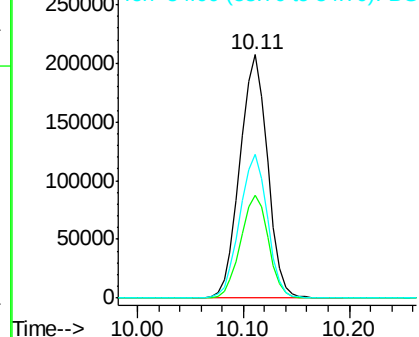


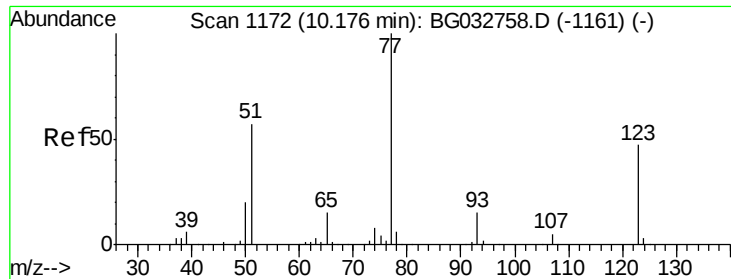
#23
Nitrobenzene-d5
Concen: 112.694 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Tgt Ion: 82	Resp:	374794
Ion Ratio	Lower	Upper
82	100	
128	42.1	29.7 44.5
54	58.9	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: 6.647 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033068.D

Acq: 9 Mar 2018 9:10

Instrument :

BNA_G

ClientSampleId :

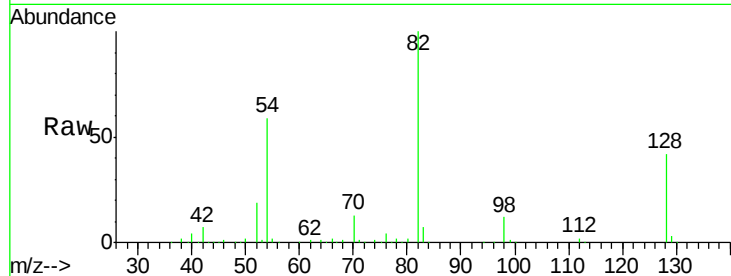
Tot Ion: 77 Resp: 1097

Ion Ratio Lower Upper

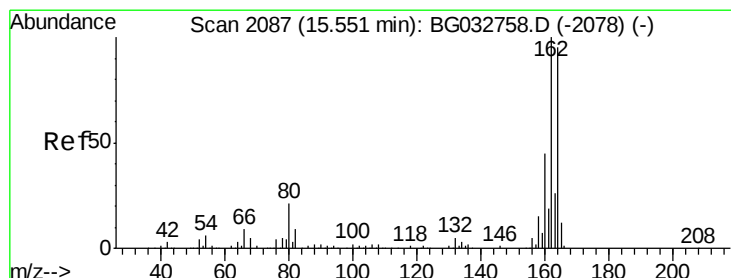
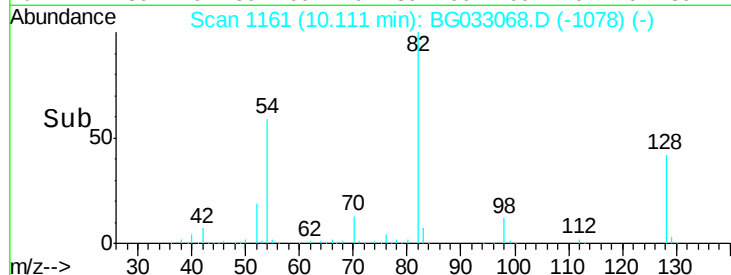
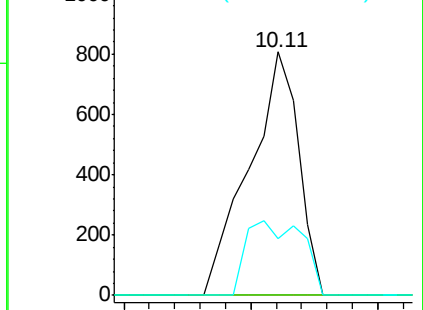
77 100

123 0.0 33.0 49.6#

65 23.5 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: BG033068.D

Acq: 9 Mar 2018 9:10

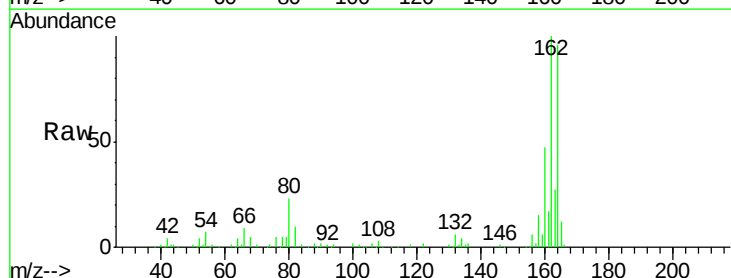
Tgt Ion:164 Resp: 121965

Ion Ratio Lower Upper

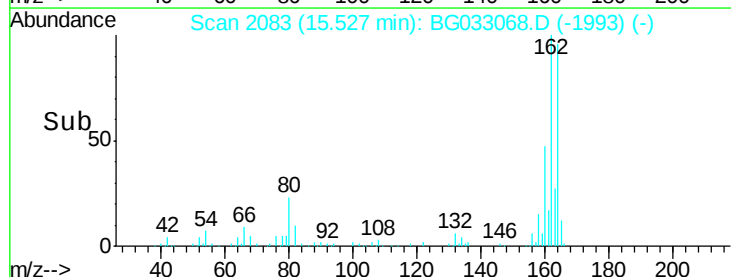
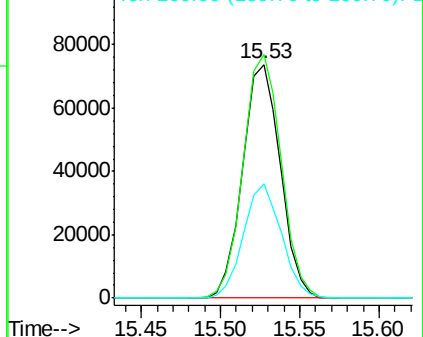
164 100

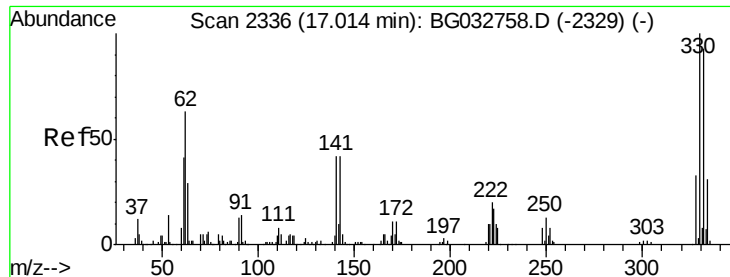
162 104.0 78.8 118.2

160 49.1 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

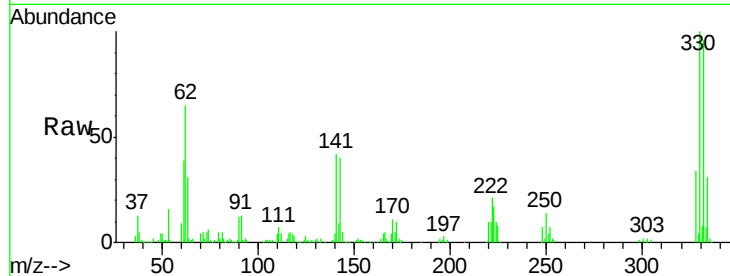




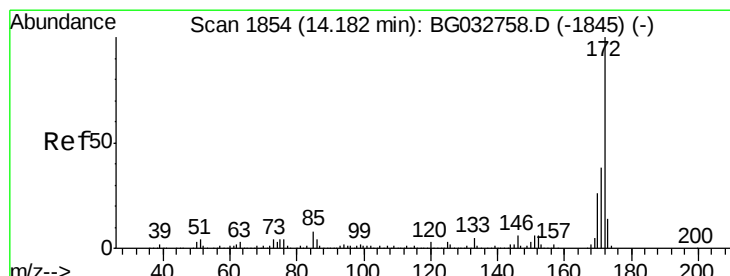
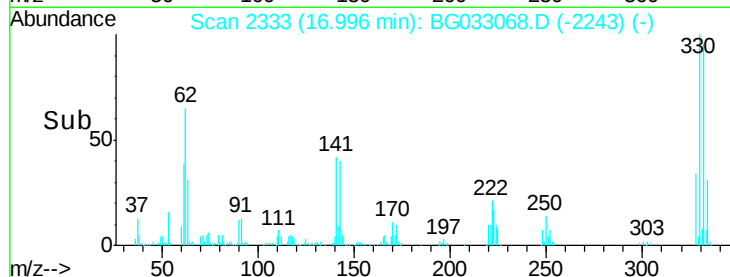
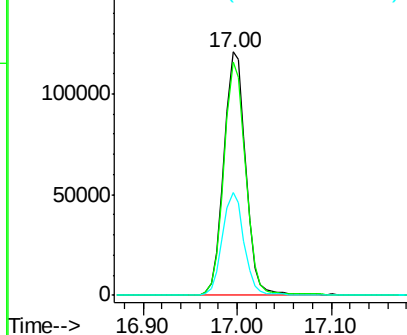
#41
 2,4,6-Tribromophenol
 Concen: 153.337 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 196642
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.4 25.2 37.8#

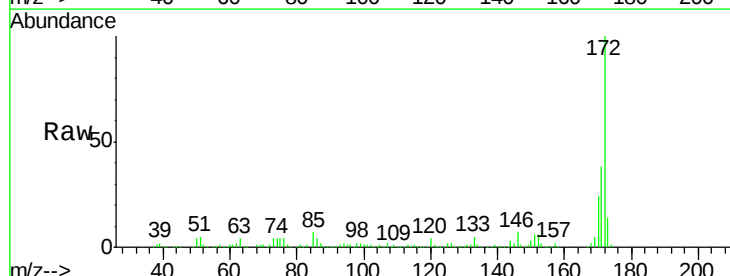


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

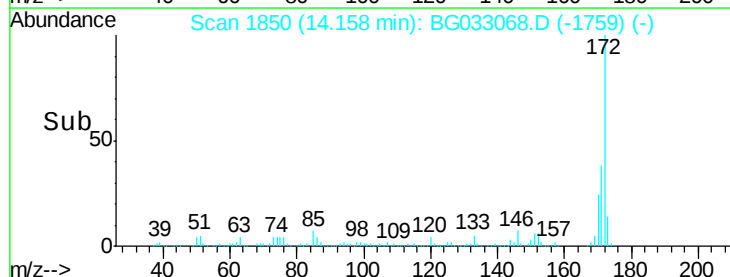
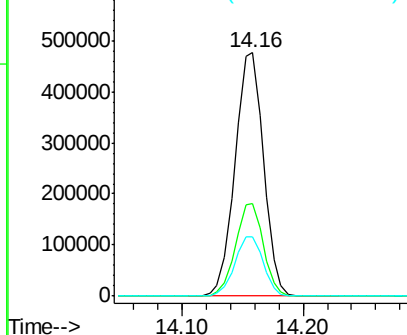


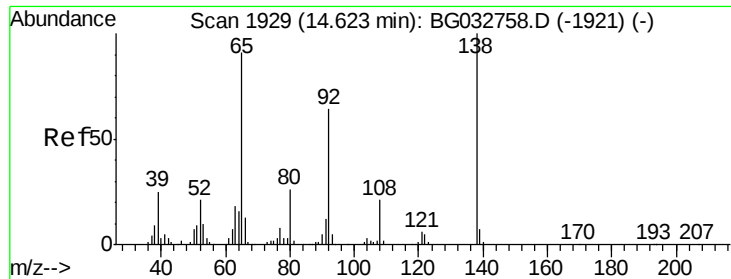
#44
 2-Fluorobiphenyl
 Concen: 92.867 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

Tgt Ion:172 Resp: 785332
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 24.4 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

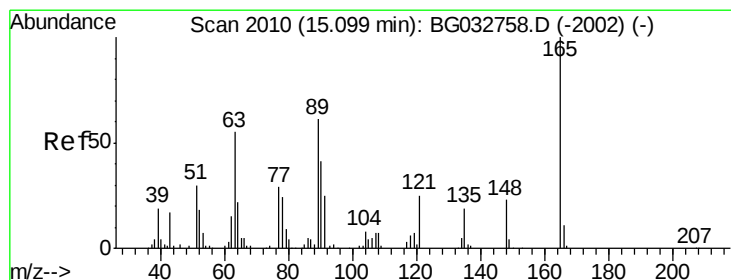
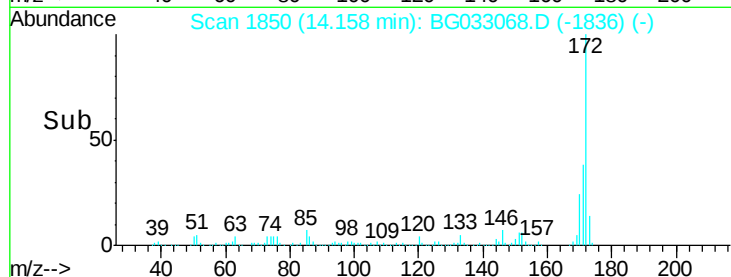
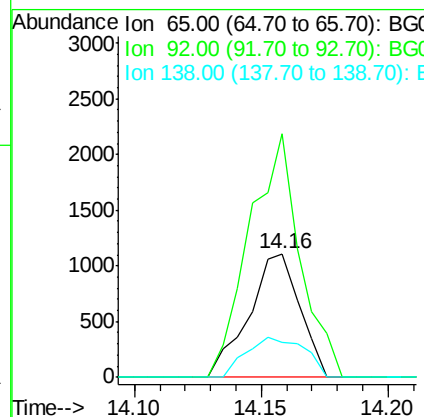
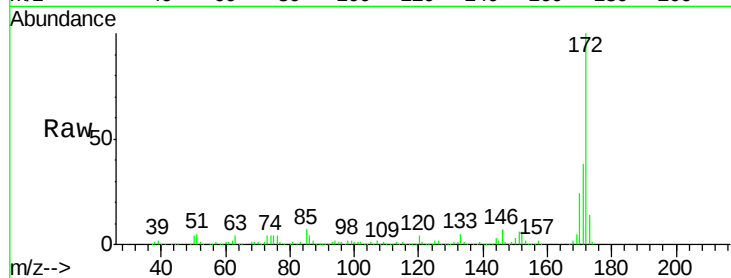




#47
 2-Nitroaniline
 Concen: 10.452 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.45 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

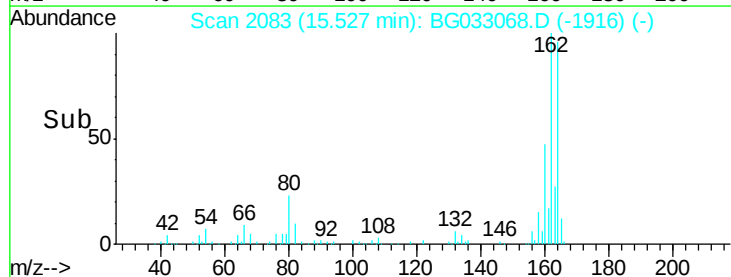
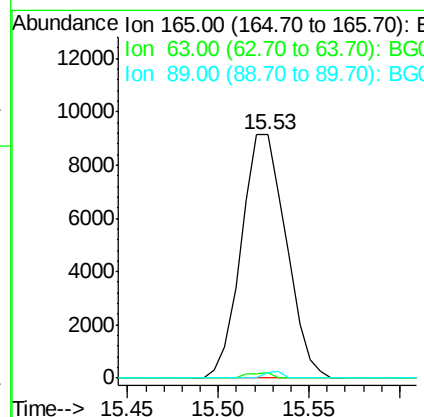
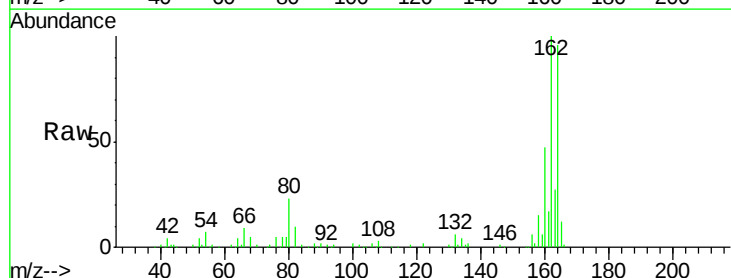
Instrument :
 BNA_G
 ClientSampled :

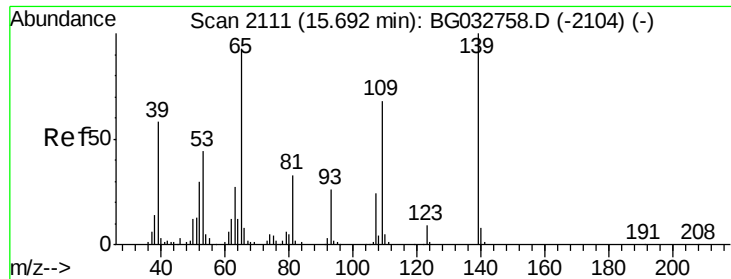
Tot Ion	Ratio	Lower	Upper
65	100		
92	196.8	54.6	82.0#
138	28.4	72.9	109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.358 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.45 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	2.2	49.2	73.8#

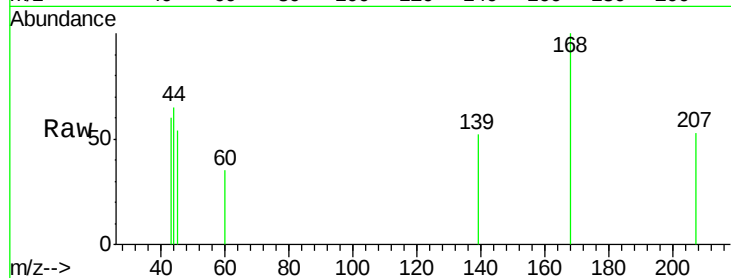




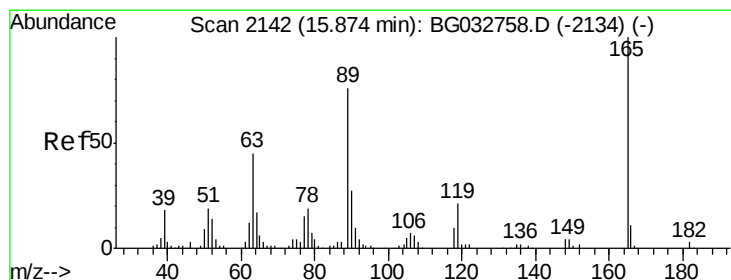
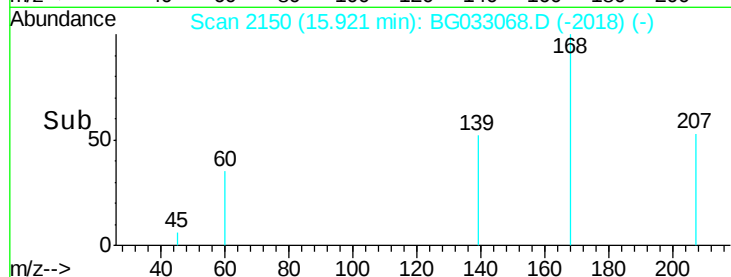
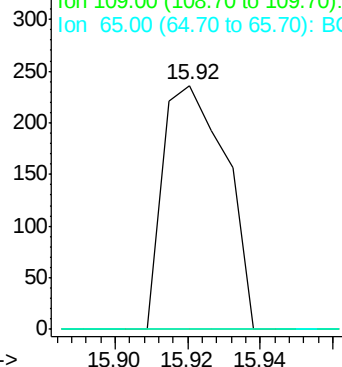
#55
4-Nitrophenol
Concen: 7.233 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.25 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 284
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

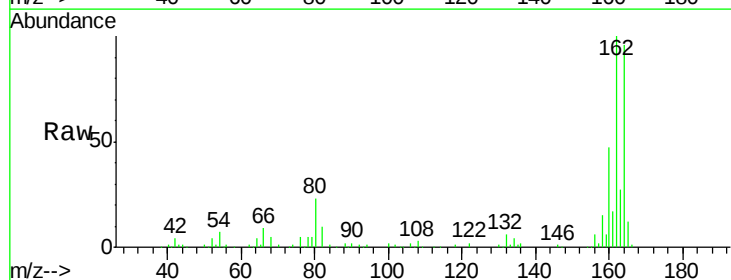


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

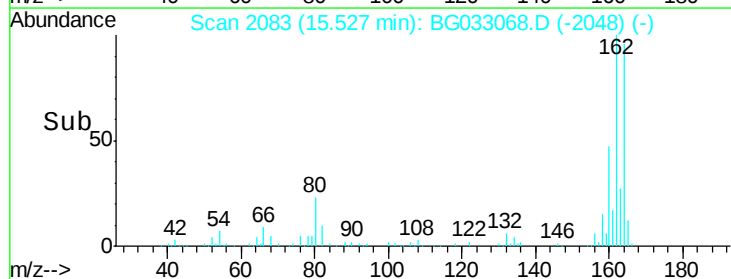
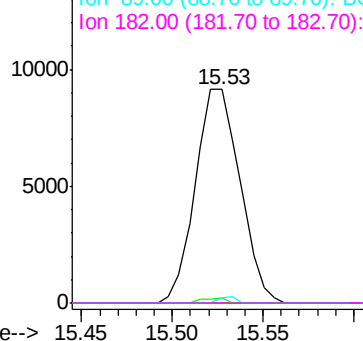


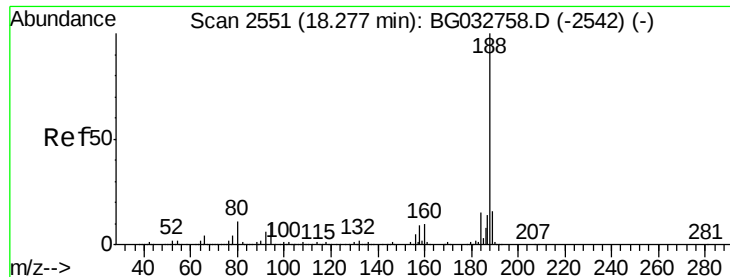
#56
2,4-Dinitrotoluene
Concen: 14.555 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.32 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Tgt Ion:165 Resp: 15696
Ion Ratio Lower Upper
165 100
63 2.4 42.0 63.0#
89 2.2 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): B
Ion 89.00 (88.70 to 89.70): B
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: BG033068.D

Acq: 9 Mar 2018 9:10

Instrument :

BNA_G

ClientSampleId :

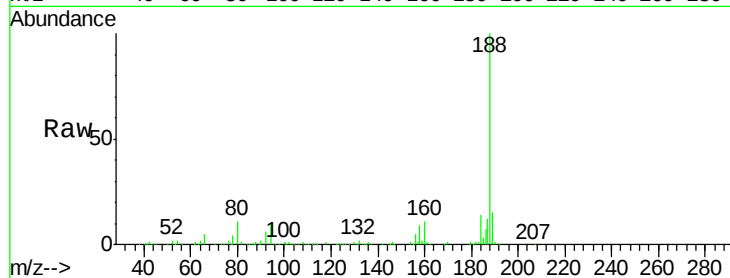
Tot Ion:188 Resp: 271499

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

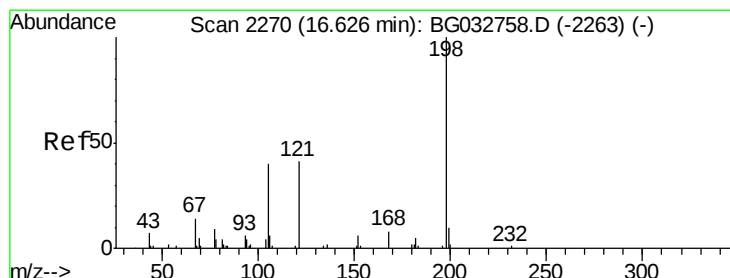
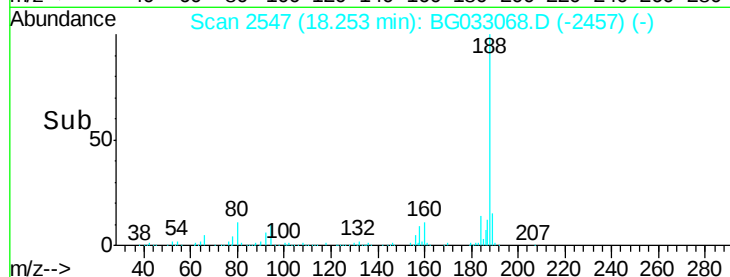
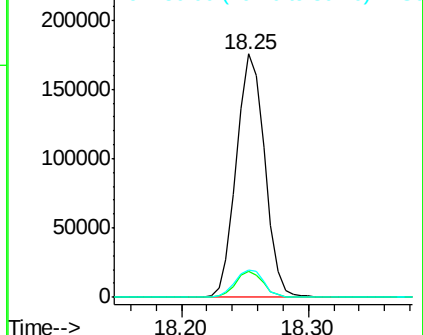
80 11.1 7.7 11.5



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: 5.303 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033068.D

Acq: 9 Mar 2018 9:10

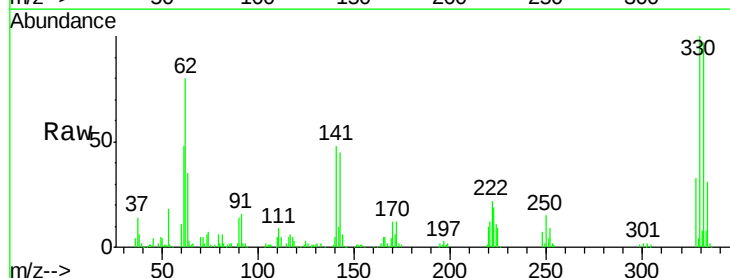
Tgt Ion:198 Resp: 226

Ion Ratio Lower Upper

198 100

51 136.4 30.6 70.6#

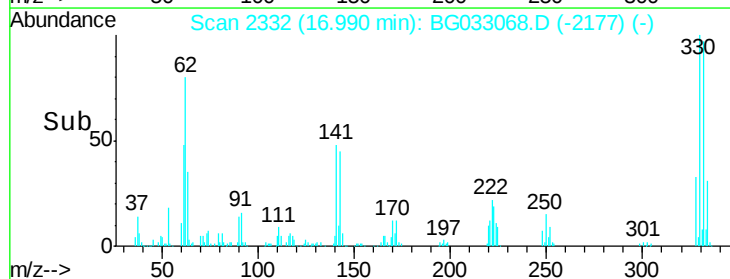
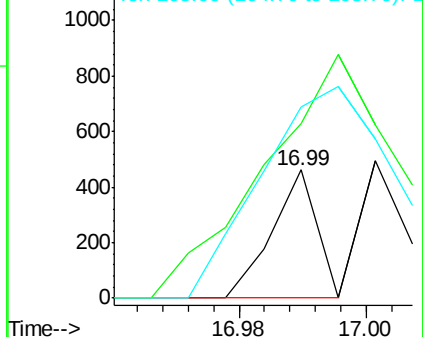
105 149.6 23.8 63.8#

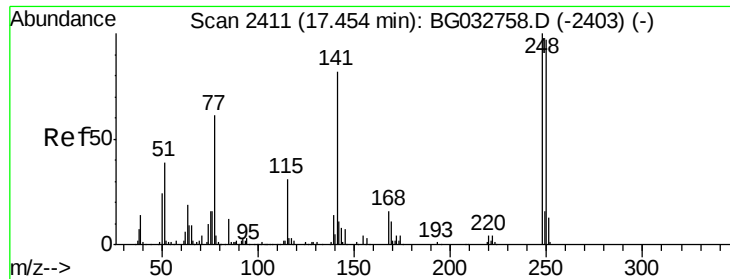


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

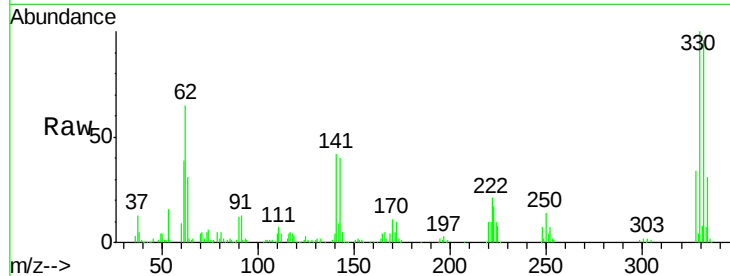




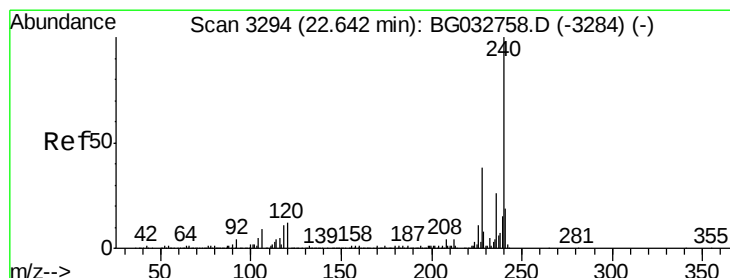
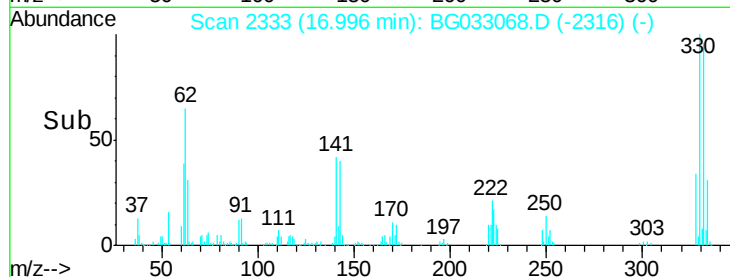
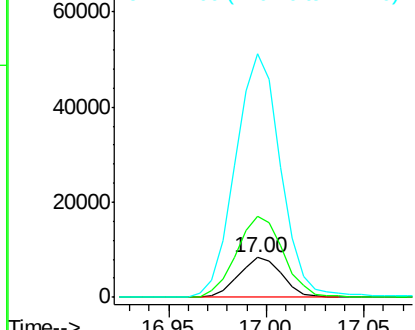
#66
 4-Bromophenyl-phenylether
 Concen: 4.516 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12964
 Ion Ratio Lower Upper
 248 100
 250 201.5 77.1 115.7#
 141 608.3 50.8 76.2#

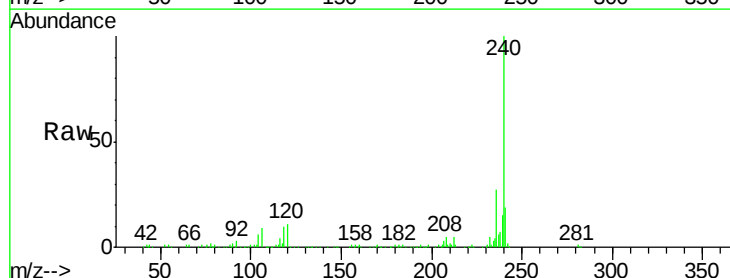


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

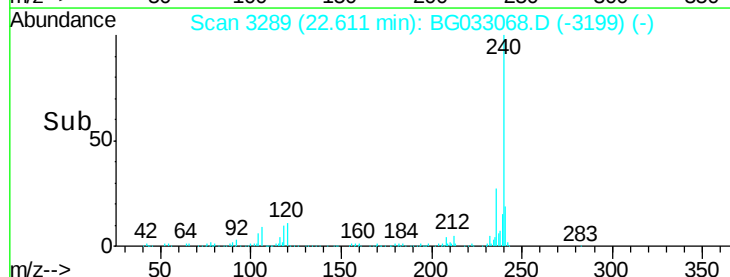
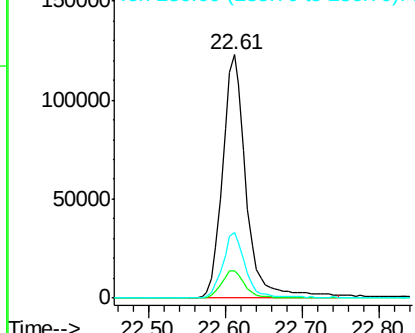


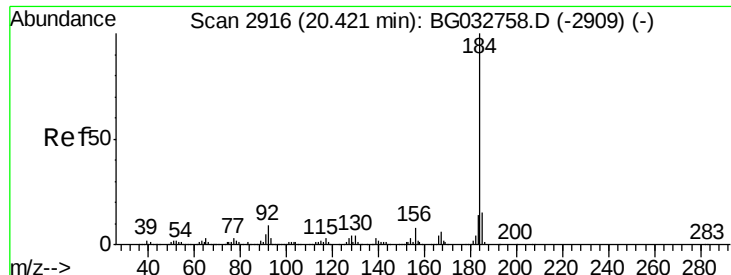
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033068.D
 Acq: 9 Mar 2018 9:10

Tgt Ion:240 Resp: 261795
 Ion Ratio Lower Upper
 240 100
 120 11.4 6.8 10.2#
 236 26.9 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

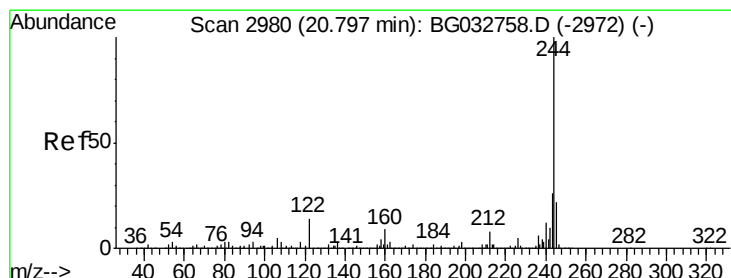
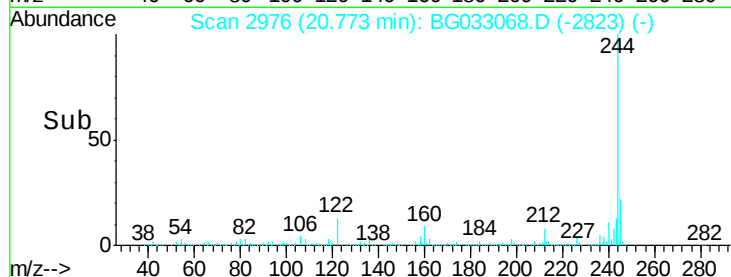
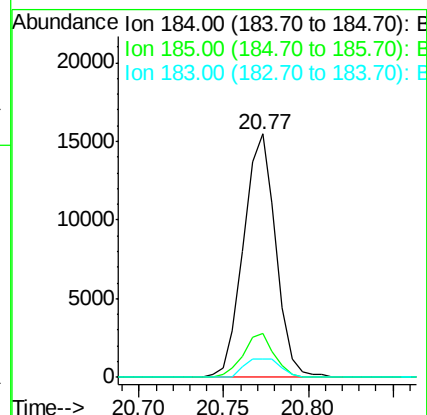
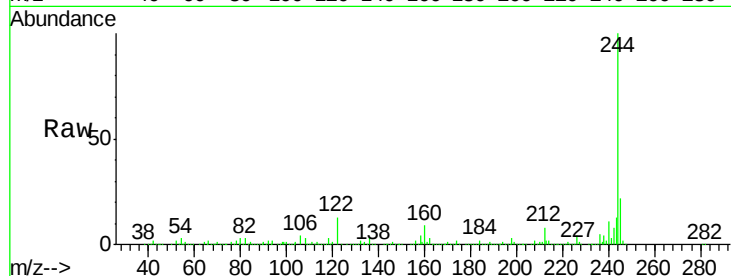




#76
Benzidine
Concen: 2.306 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.37 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

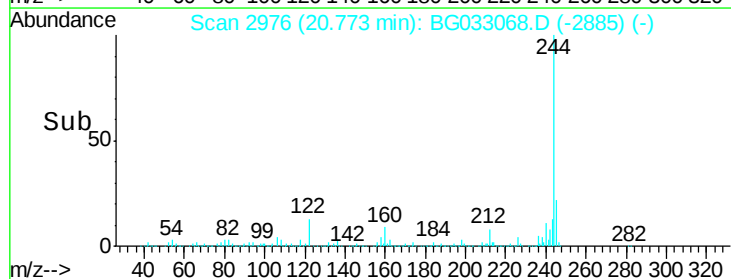
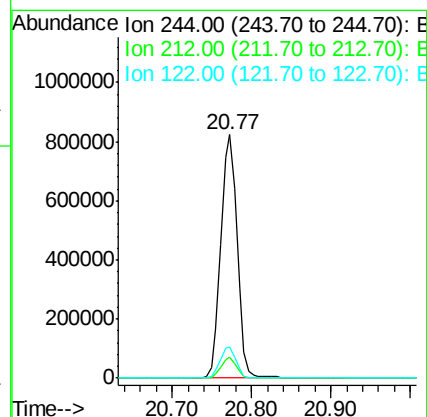
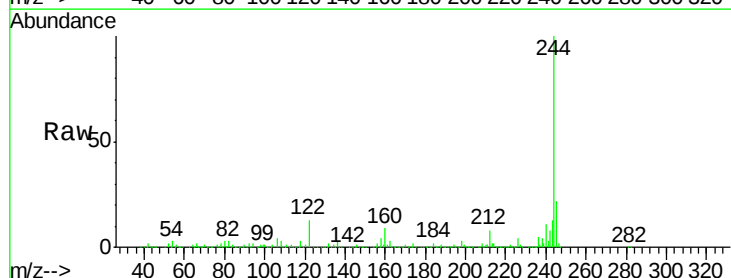
Instrument :
BNA_G
ClientSampleId :

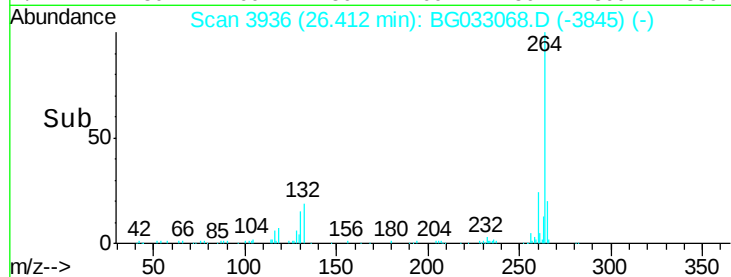
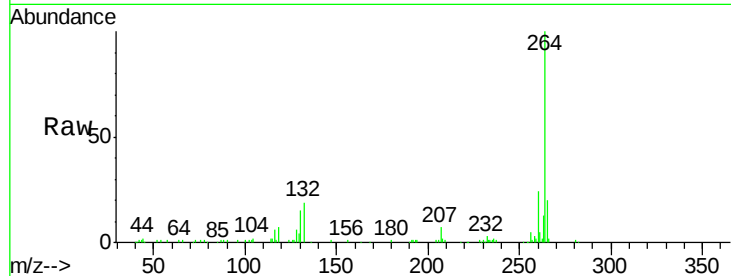
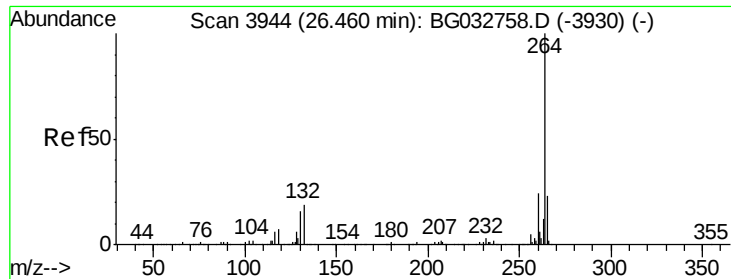
Tot Ion:184 Resp: 20577
Ion Ratio Lower Upper
184 100
185 18.1 11.1 16.7#
183 7.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 101.561 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.01 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Tgt Ion:244 Resp: 1183413
Ion Ratio Lower Upper
244 100
212 8.4 5.8 8.8
122 12.8 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. 0.01 min
Lab File: BG033068.D
Acq: 9 Mar 2018 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	20.0	17.7	26.5

