

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
 Data File : BG033023.D
 Acq On : 6 Mar 2018 15:37
 Operator : SJ/JU
 Sample : PB107075BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 17:42:34 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

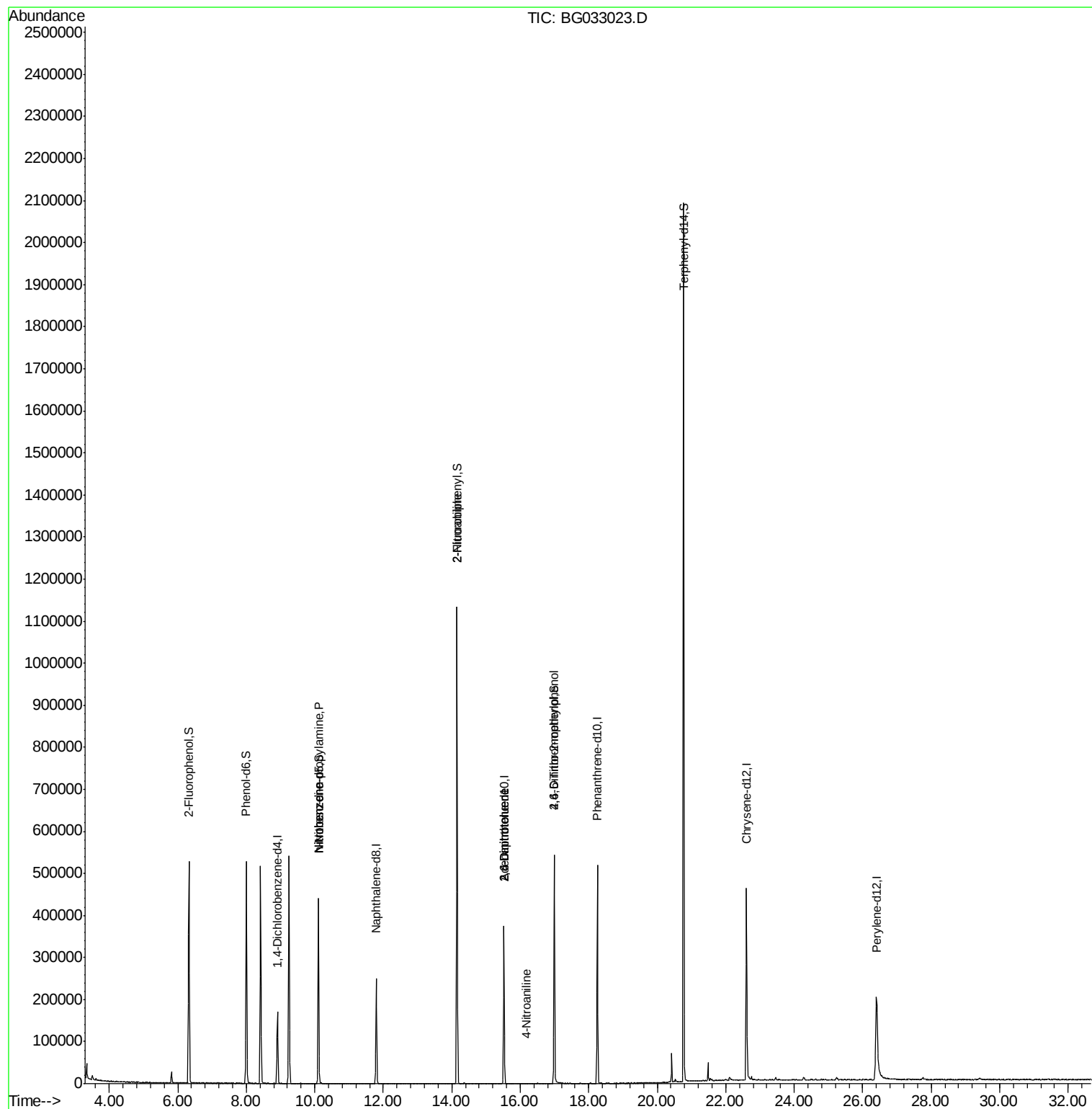
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	50589	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	223979	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	128331	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	320148	20.00	ng	0.00
75) Chrysene-d12	22.60	240	310885	20.00	ng	0.00
86) Perylene-d12	26.40	264	303139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	245337	77.59	ng	0.00
7) Phenol-d6	8.01	99	325616	73.88	ng	0.00
23) Nitrobenzene-d5	10.11	82	277460	85.85	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	96917	71.82	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	615464	69.17	ng	0.00
78) Terphenyl-d14	20.77	244	968605	70.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	35680	11.467	ng	# 83
24) Nitrobenzene	10.10	77	728	6.557	ng	# 38
47) 2-Nitroaniline	14.16	65	1147	10.267	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	16808	16.490	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	16808	14.688	ng	# 18
61) 4-Nitroaniline	16.19	138	57	5.321	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	414	5.499	ng	# 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration



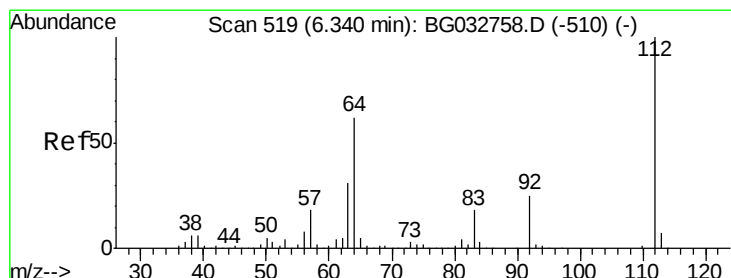
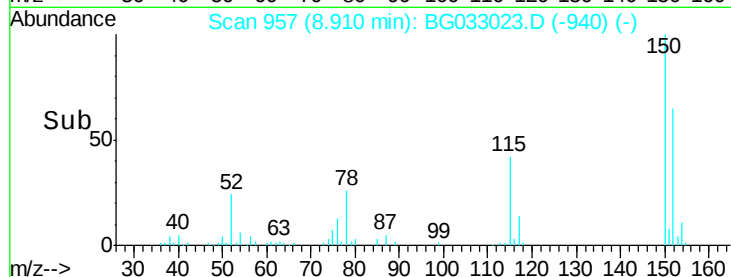
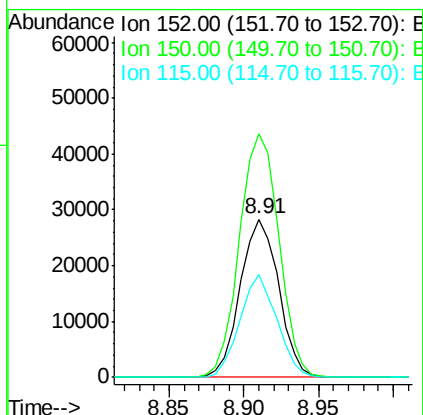
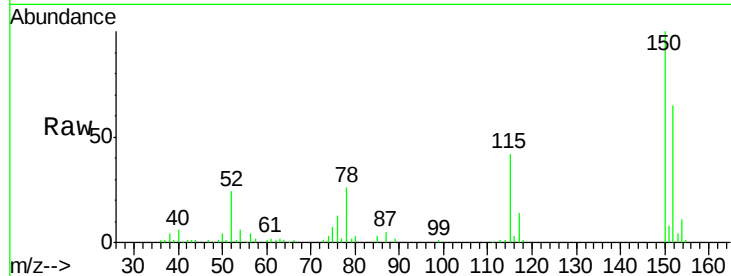


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033023.D
Acq: 6 Mar 2018 15:37

Instrument :
BNA_G
ClientSampleId :

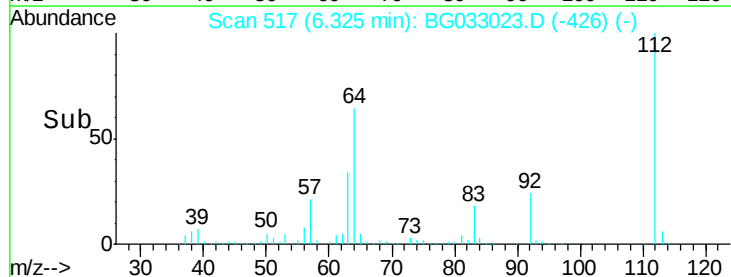
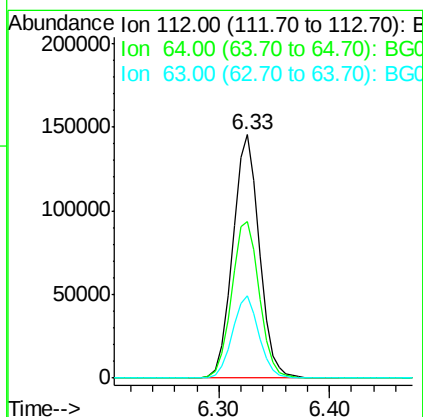
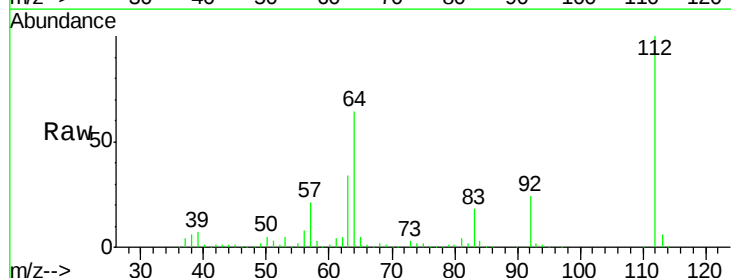
Tot Ion:152 Resp: 50589
Ion Ratio Lower Upper
152 100
150 154.0 126.6 189.8
115 64.8 53.0 79.4



#5

2-Fluorophenol
Concen: 77.587 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033023.D
Acq: 6 Mar 2018 15:37

Tgt Ion:112 Resp: 245337
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 34.0 30.1 45.1





#7

Phenol-d6

Concen: 73.877 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

Instrument :

BNA_G

ClientSampled :

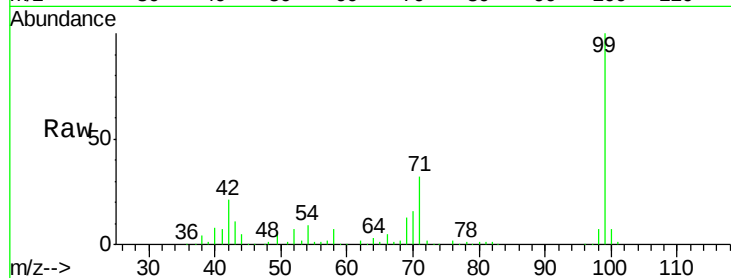
Tot Ion: 99 Resp: 325616

Ion Ratio Lower Upper

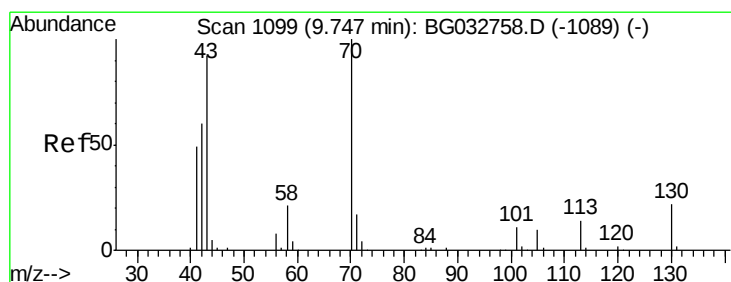
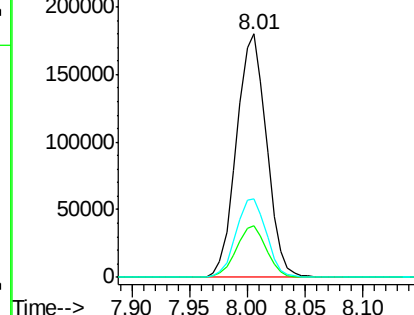
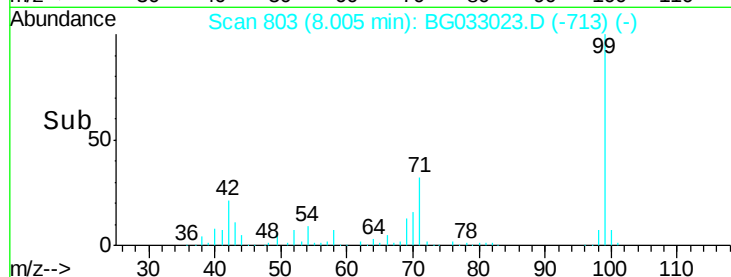
99 100

42 21.1 14.1 21.1

71 32.3 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: 11.467 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

Tgt Ion: 70 Resp: 35680

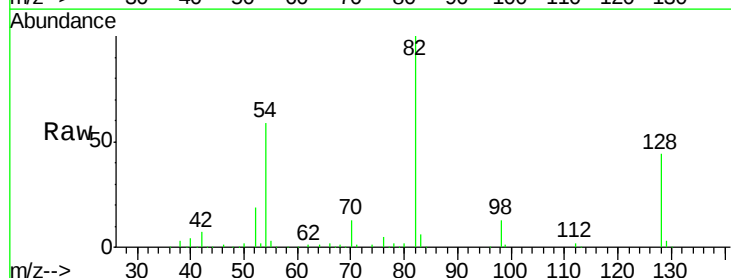
Ion Ratio Lower Upper

70 100

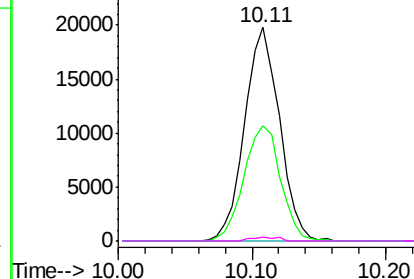
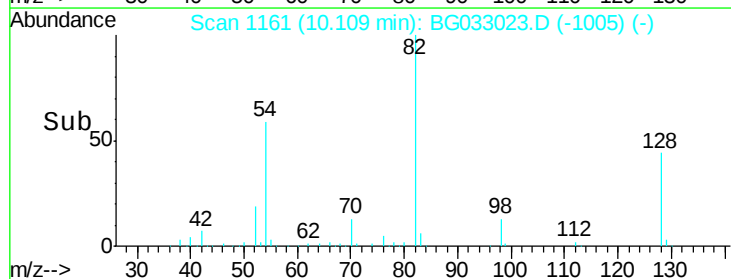
42 54.0 49.1 73.7

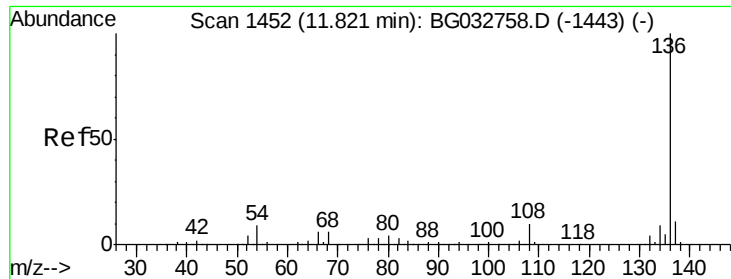
101 0.0 8.5 12.7#

130 1.6 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

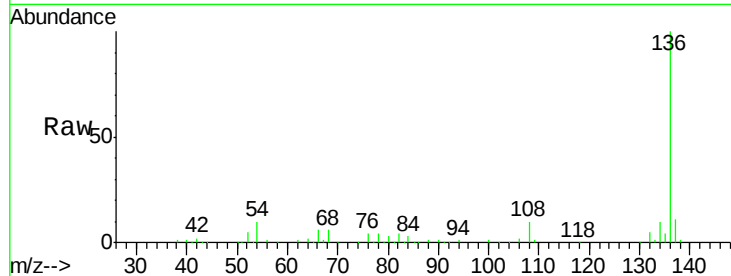




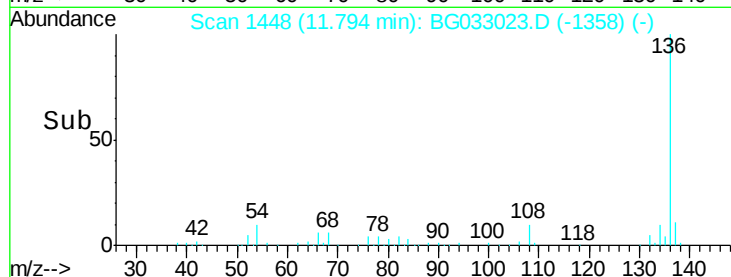
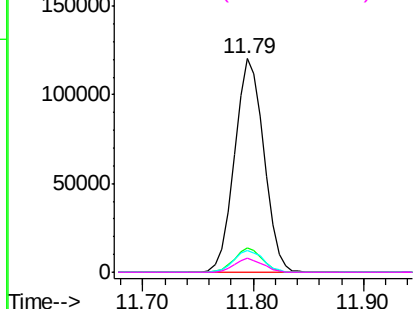
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033023.D
Acq: 6 Mar 2018 15:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	223979
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.2 13.8
54	10.5	10.3 15.5
68	6.3	4.5 6.7

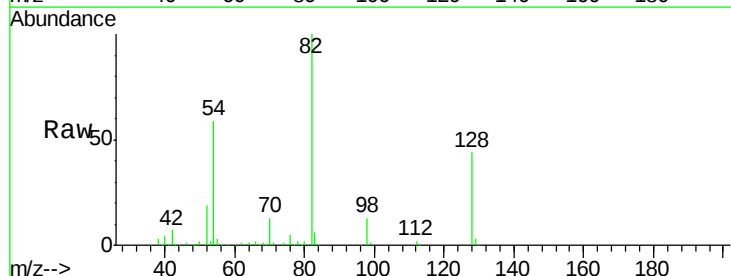


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

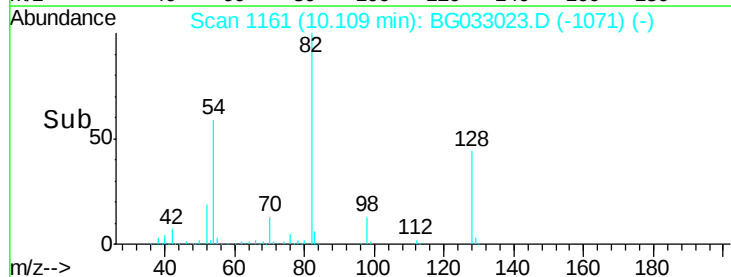
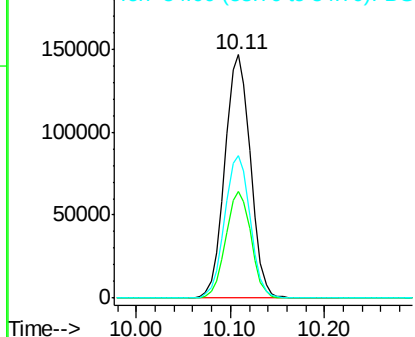


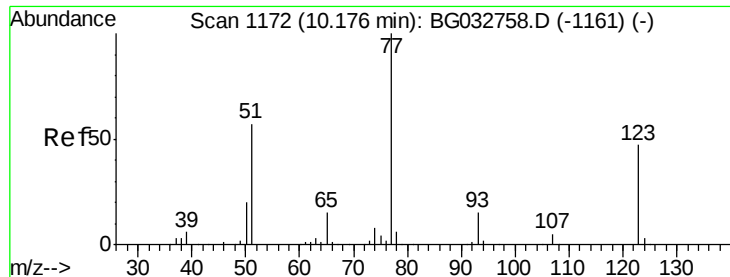
#23
Nitrobenzene-d5
Concen: 85.853 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033023.D
Acq: 6 Mar 2018 15:37

Tgt Ion: 82	Resp:	277460
Ion	Ratio	Lower Upper
82	100	
128	43.9	29.7 44.5
54	58.8	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: 6.557 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

Instrument :

BNA_G

ClientSampled :

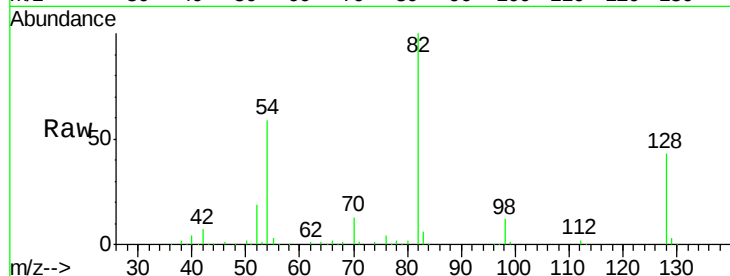
Tot Ion: 77 Resp: 728

Ion Ratio Lower Upper

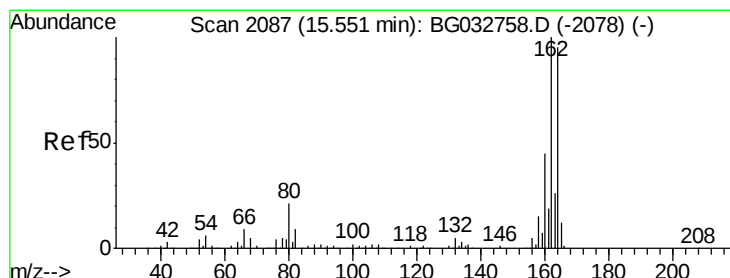
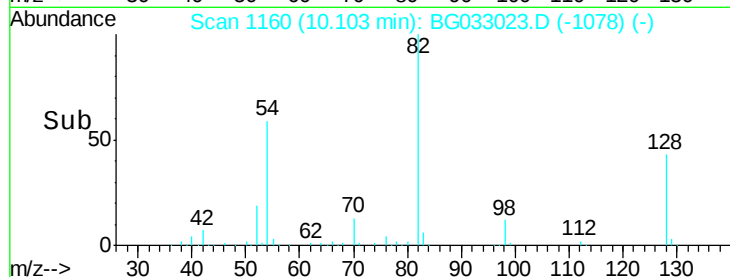
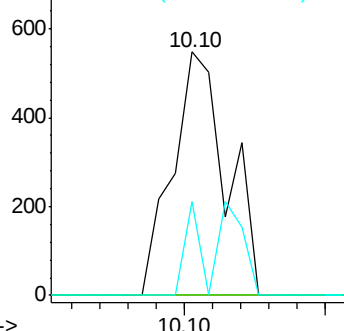
77 100

123 0.0 33.0 49.6#

65 38.7 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. -0.00 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

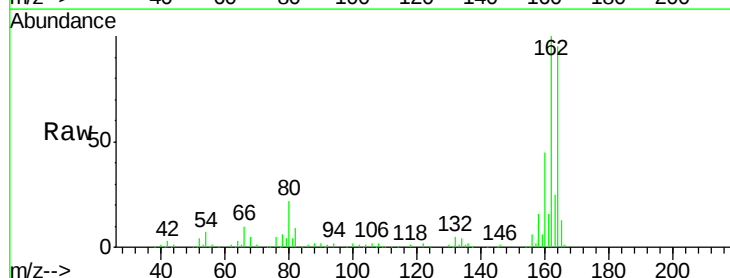
Tgt Ion: 164 Resp: 128331

Ion Ratio Lower Upper

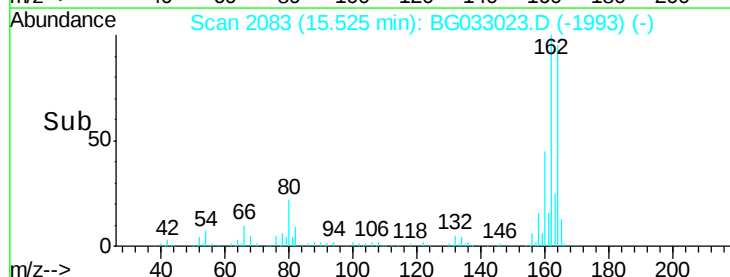
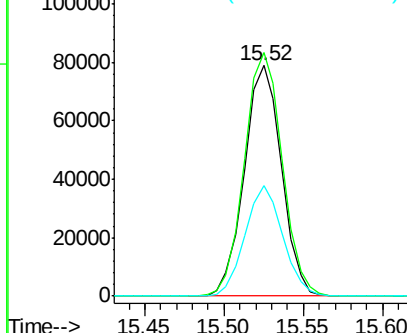
164 100

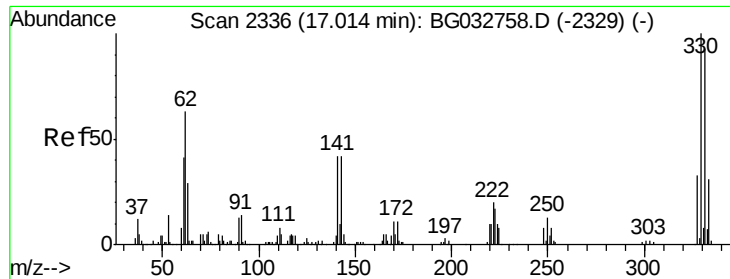
162 105.6 78.8 118.2

160 47.9 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

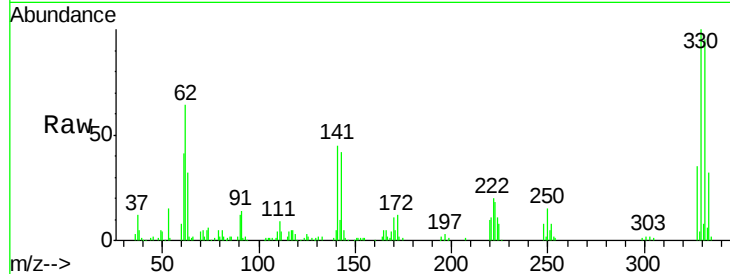




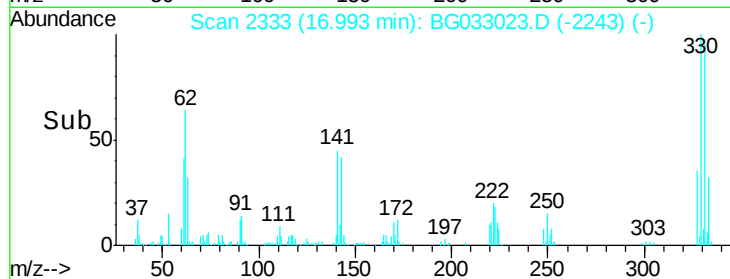
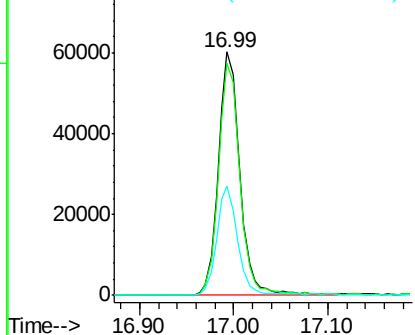
#41
 2,4,6-Tribromophenol
 Concen: 71.825 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 96917
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 43.1 25.2 37.8#

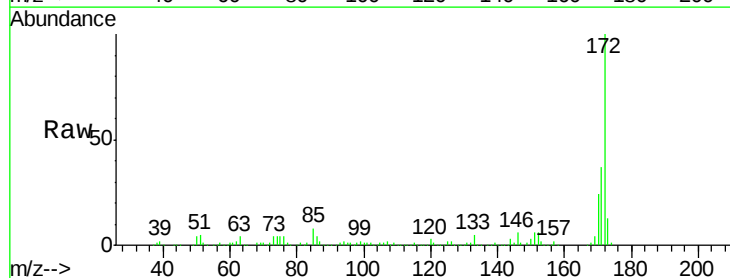


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

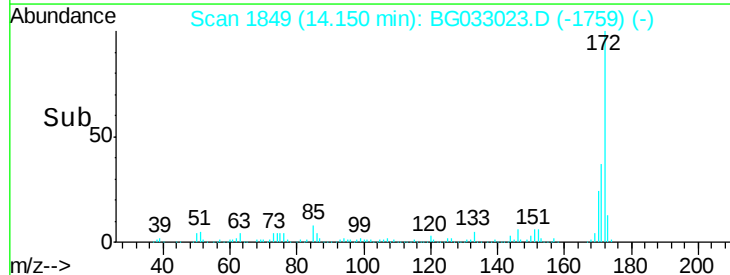
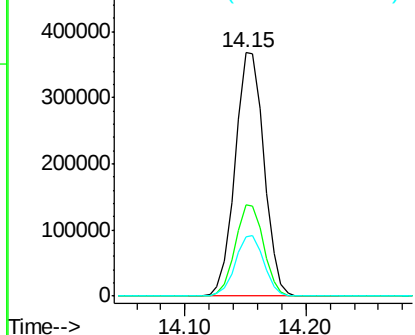


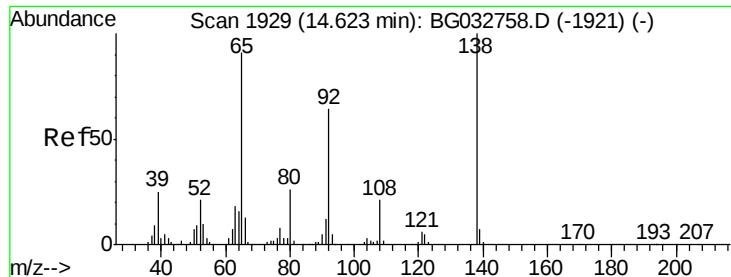
#44
 2-Fluorobiphenyl
 Concen: 69.169 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

Tgt Ion:172 Resp: 615464
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.5 19.5 29.3



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





#47

2-Nitroaniline

Concen: 10.267 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.45 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

Instrument :

BNA_G

ClientSampleId :

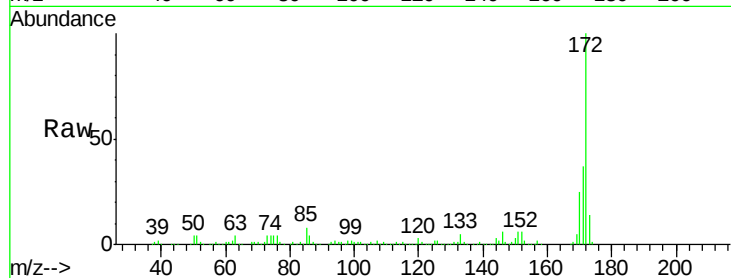
Tot Ion: 65 Resp: 1147

Ion Ratio Lower Upper

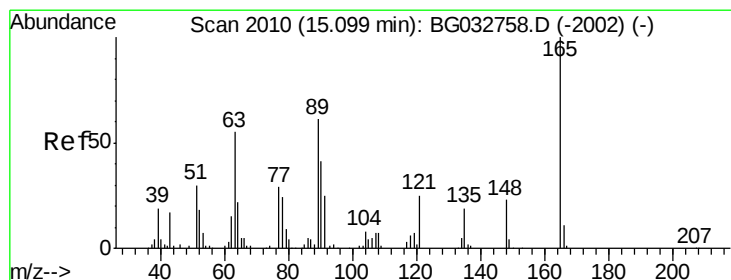
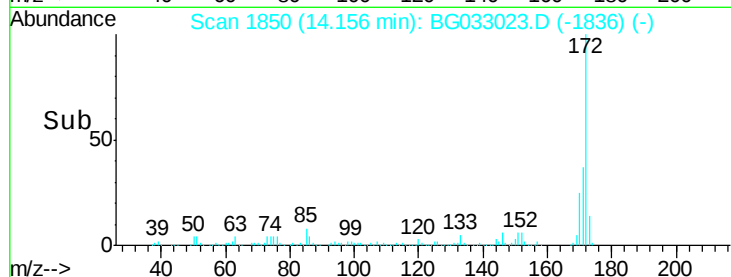
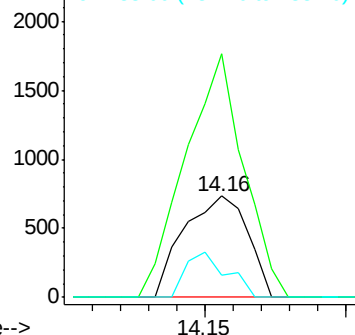
65 100

92 240.3 54.6 82.0#

138 21.9 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: 16.490 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

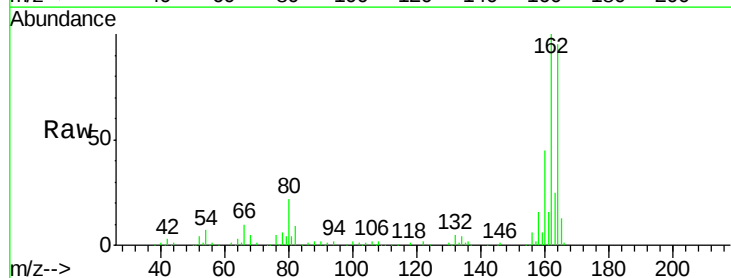
Tgt Ion:165 Resp: 16808

Ion Ratio Lower Upper

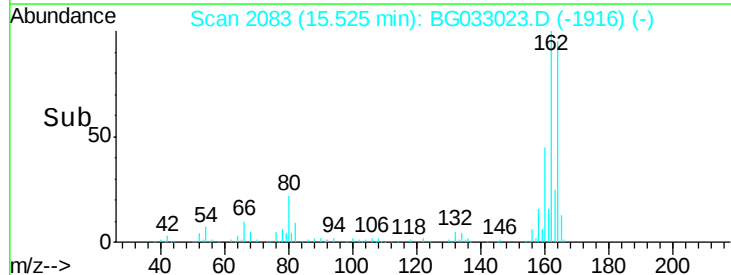
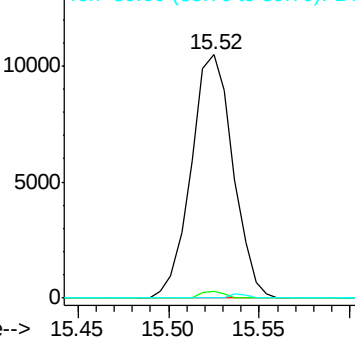
165 100

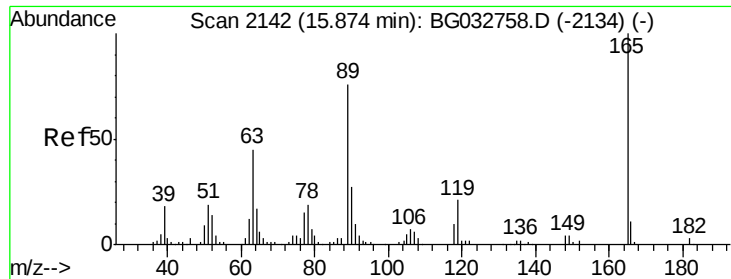
63 2.6 52.7 79.1#

89 0.0 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

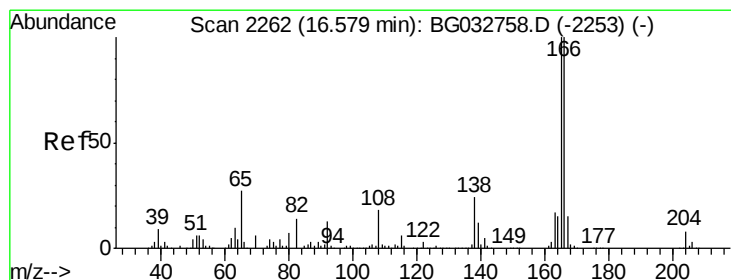
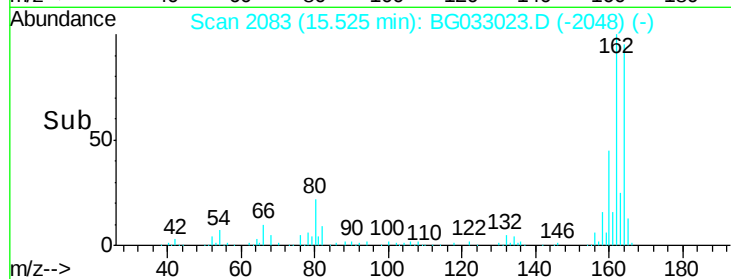
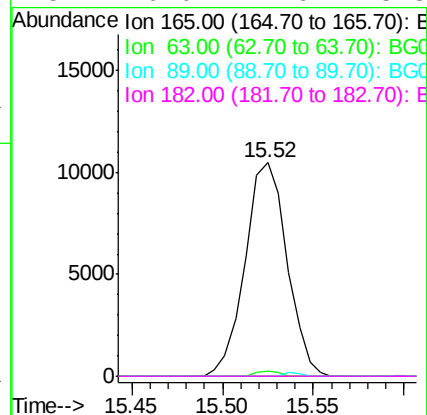
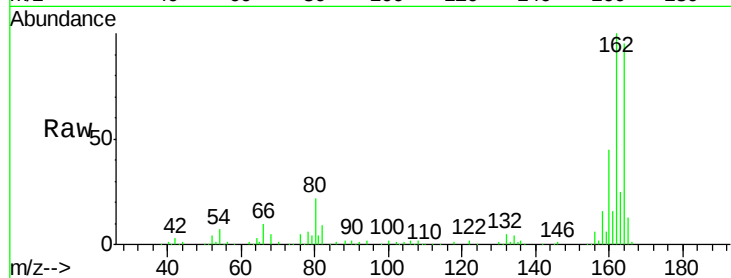




#56
 2,4-Dinitrotoluene
 Concen: 14.688 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

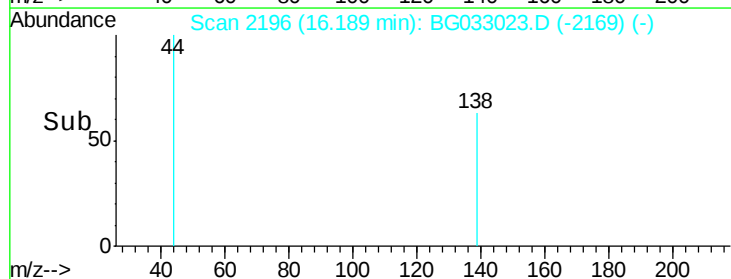
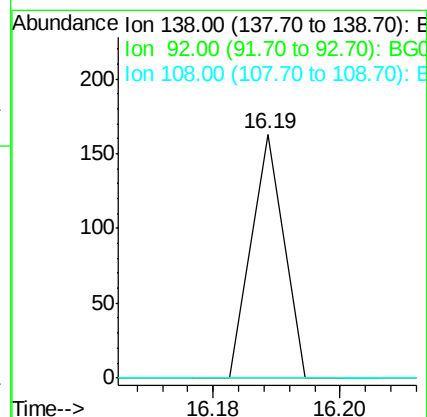
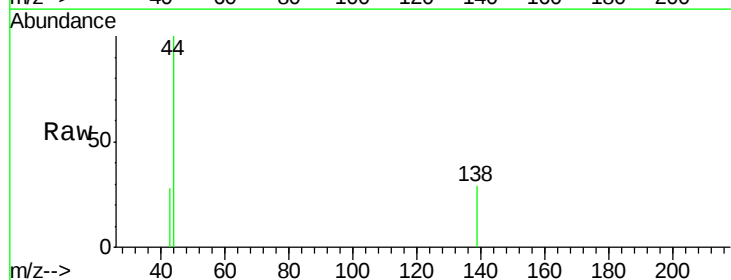
Instrument :
 BNA_G
 ClientSampleId :

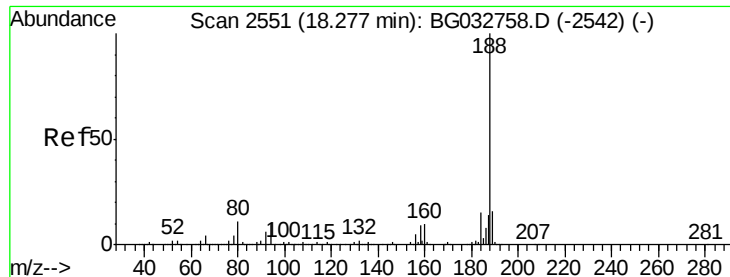
Tot Ion:165	Resp:	16808
Ion	Ratio	Lower Upper
165	100	
63	2.6	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.321 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.37 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

Tgt Ion:138	Resp:	57
Ion	Ratio	Lower Upper
138	100	
92	0.0	40.1 80.1#
108	0.0	65.4 105.4#

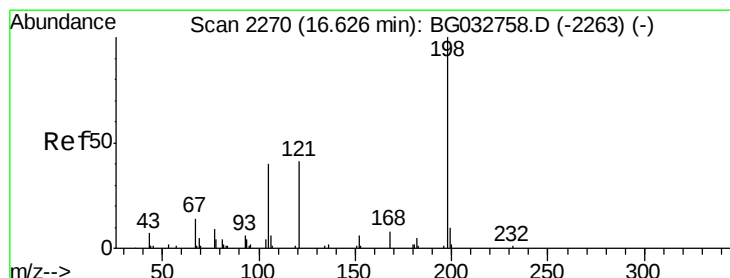
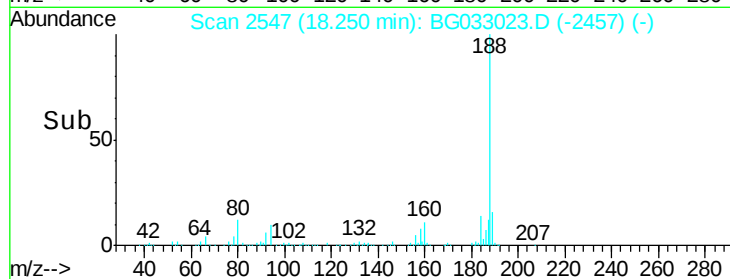
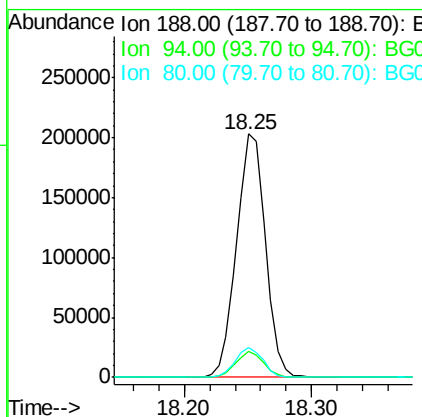
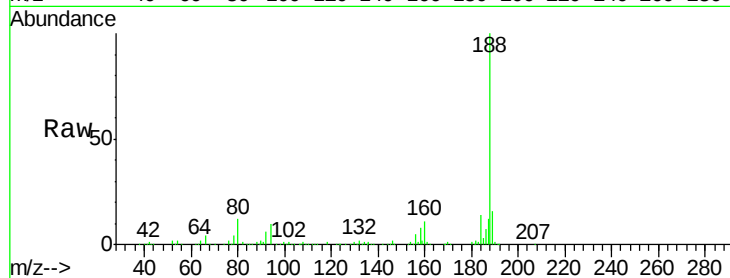




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

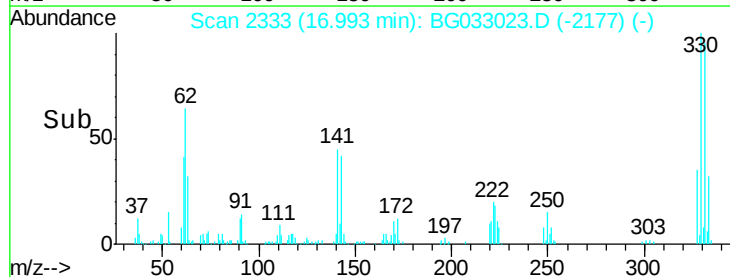
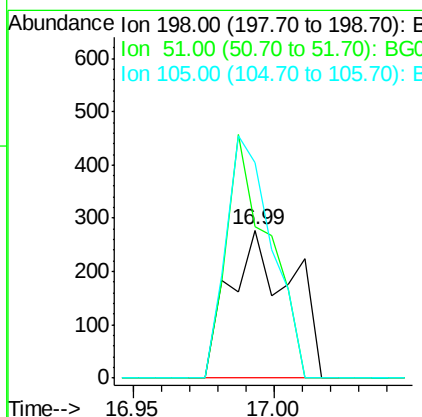
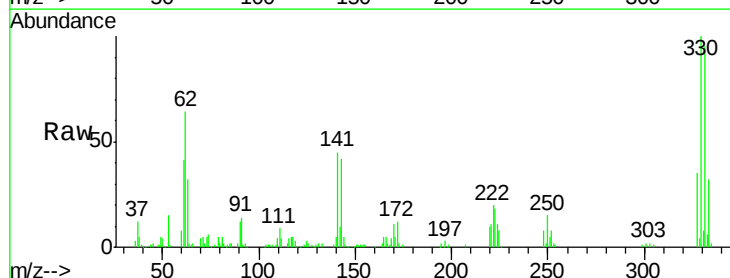
Instrument :
 BNA_G
 ClientSampleId :

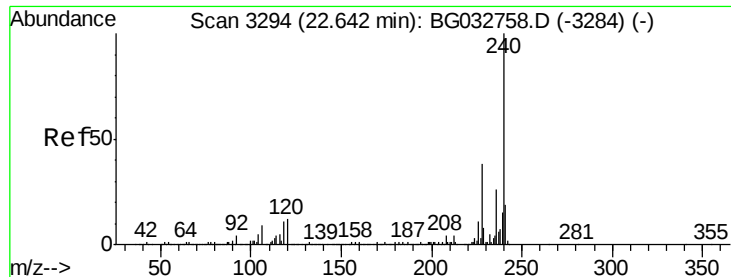
Tot Ion:188 Resp: 320148
 Ion Ratio Lower Upper
 188 100
 94 10.5 6.9 10.3#
 80 12.3 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.499 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG033023.D
 Acq: 6 Mar 2018 15:37

Tgt Ion:198 Resp: 414
 Ion Ratio Lower Upper
 198 100
 51 102.5 30.6 70.6#
 105 145.7 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

Instrument :

BNA_G

ClientSampleId :

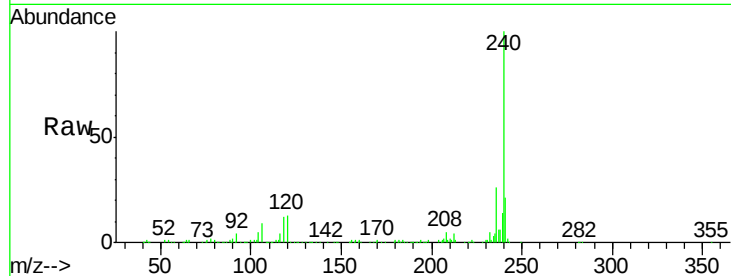
Tot Ion:240 Resp: 310885

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

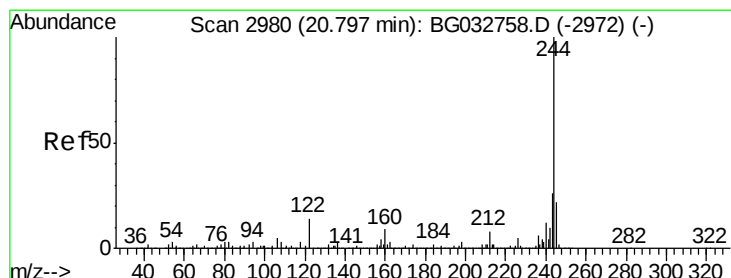
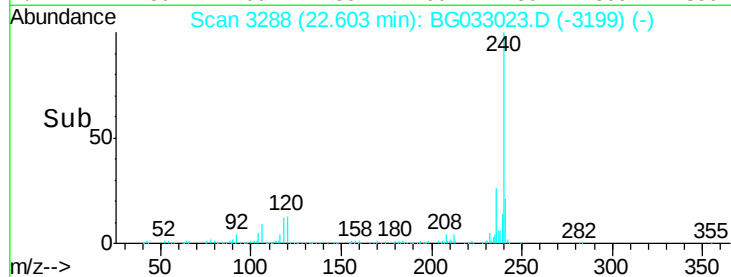
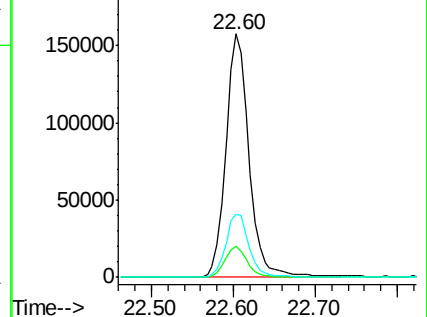
236 25.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 70.000 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033023.D

Acq: 6 Mar 2018 15:37

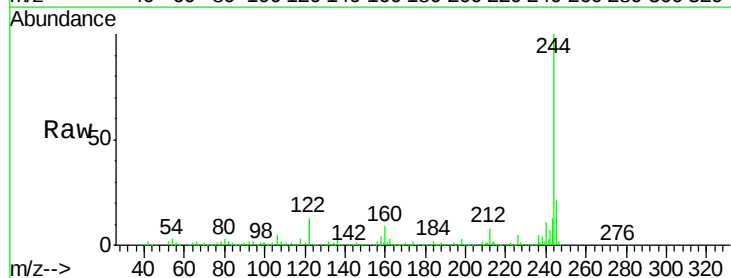
Tgt Ion:244 Resp: 968605

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

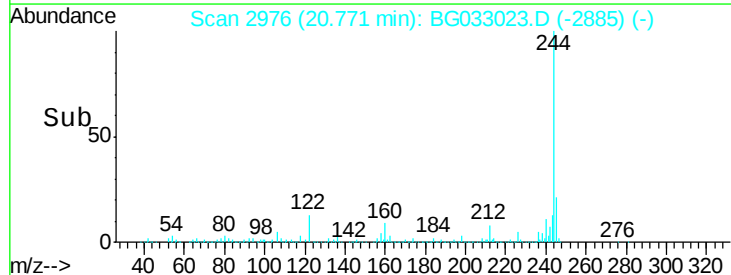
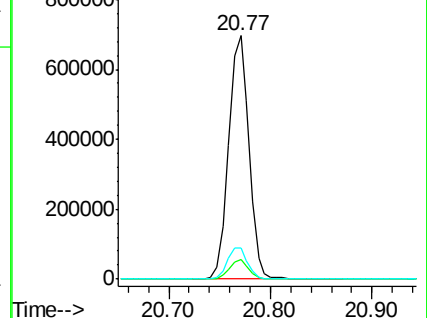
122 12.9 7.0 10.4#

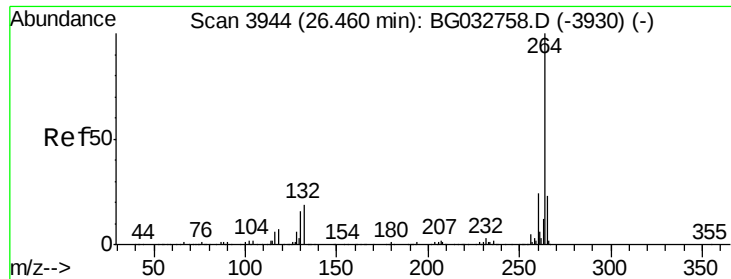


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

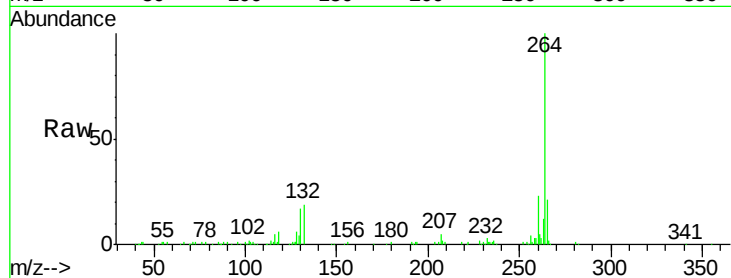




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033023.D
Acq: 6 Mar 2018 15:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	20.5	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

