

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG033010.D
 Acq On : 6 Mar 2018 5:15
 Operator : SJ/JU
 Sample : J1699-72
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 06:57:24 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

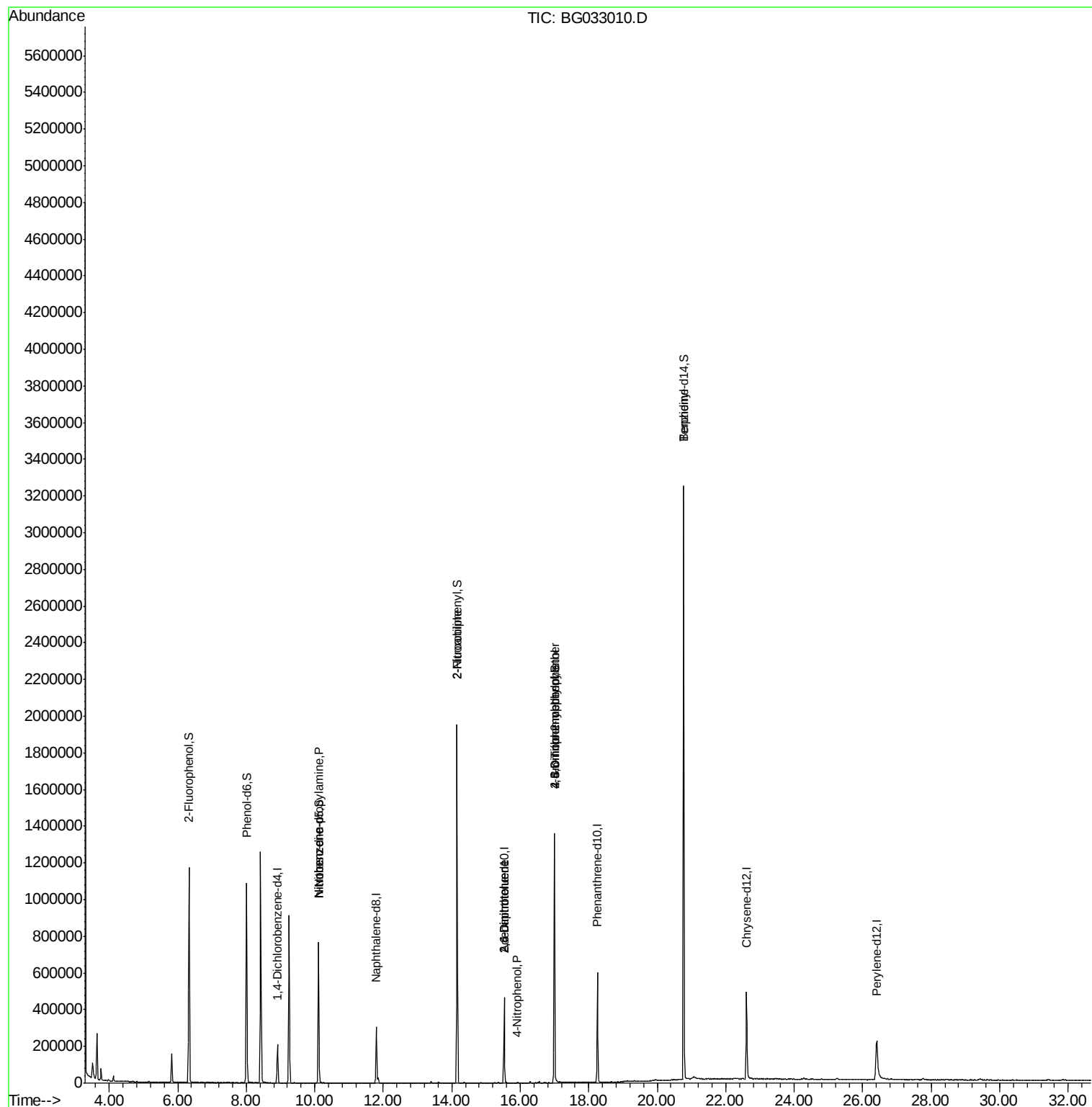
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	62662	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	275275	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	157203	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	360259	20.00	ng	0.00
75) Chrysene-d12	22.61	240	327371	20.00	ng	-0.01
86) Perylene-d12	26.41	264	315502	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	545132	139.18	ng	0.00
7) Phenol-d6	8.01	99	666730	122.13	ng	0.00
23) Nitrobenzene-d5	10.11	82	488495	118.70	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	234445	141.84	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	1012273	92.87	ng	-0.01
78) Terphenyl-d14	20.77	244	1487709	102.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	64923	16.845	ng	# 84
24) Nitrobenzene	10.11	77	1456	6.668	ng	# 43
47) 2-Nitroaniline	14.16	65	1733	10.368	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	19638	16.139	ng	# 21
55) 4-Nitrophenol	15.92	139	1573	7.736	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19638	14.335	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	740	5.821	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16895	4.435	ng	# 1
76) Benzidine	20.77	184	27124	2.431	ng	# 93

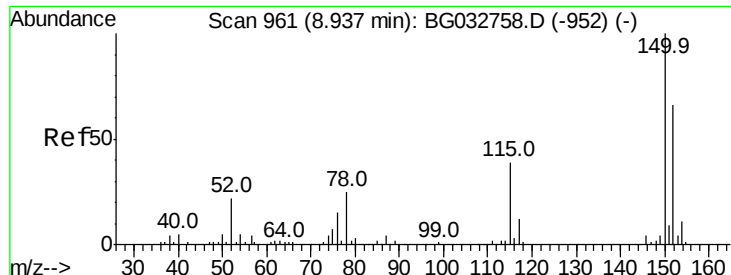
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
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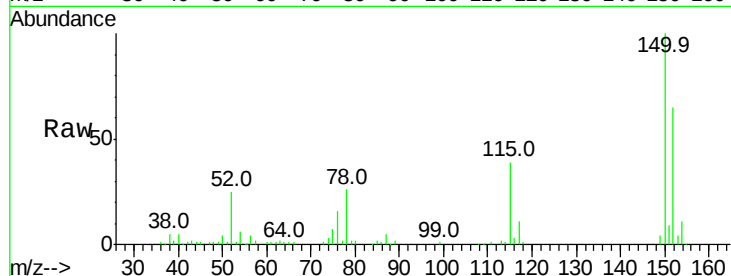


#1

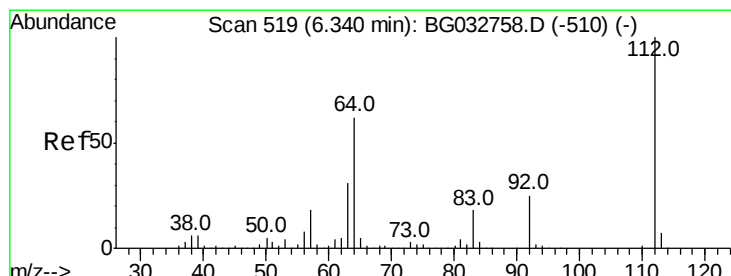
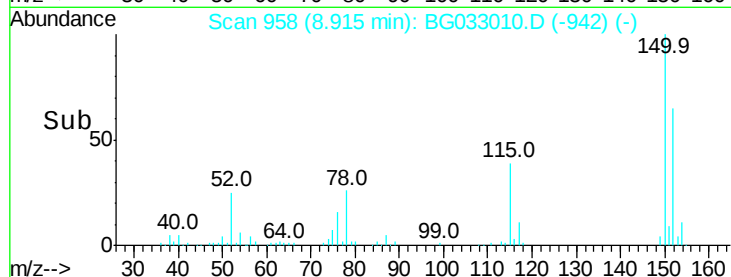
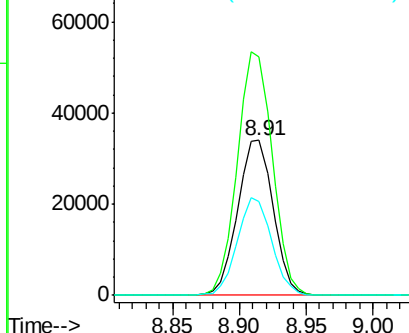
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62662
Ion Ratio Lower Upper
152 100
150 153.9 126.6 189.8
115 60.6 53.0 79.4



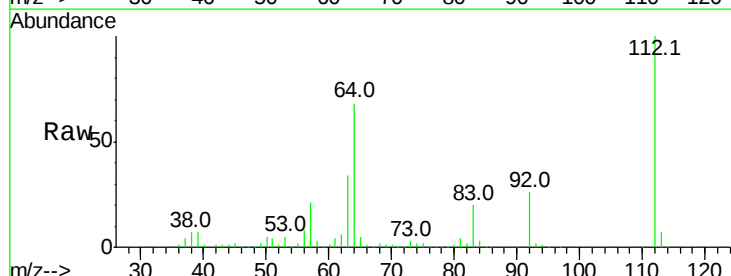
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



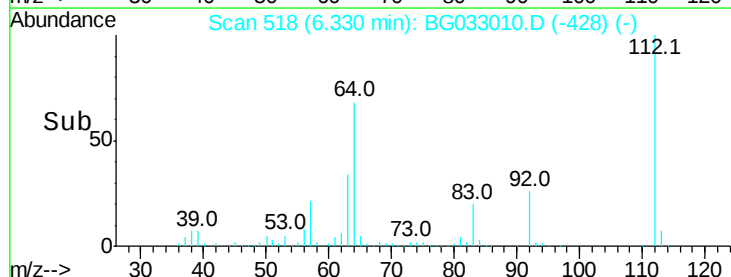
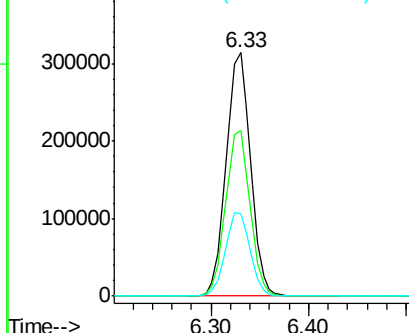
#5

2-Fluorophenol
Concen: 139.180 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Tgt Ion:112 Resp: 545132
Ion Ratio Lower Upper
112 100
64 68.2 56.3 84.5
63 34.0 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: 122.126 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

Instrument :

BNA_G

ClientSampled :

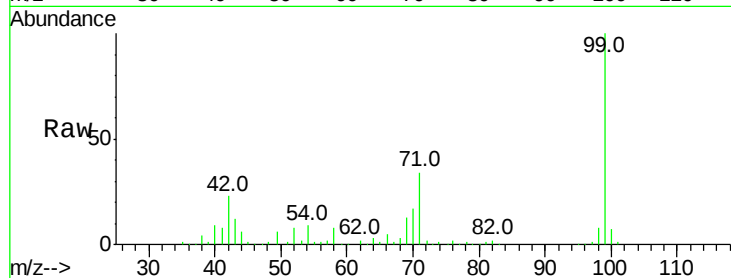
Tot Ion: 99 Resp: 666730

Ion Ratio Lower Upper

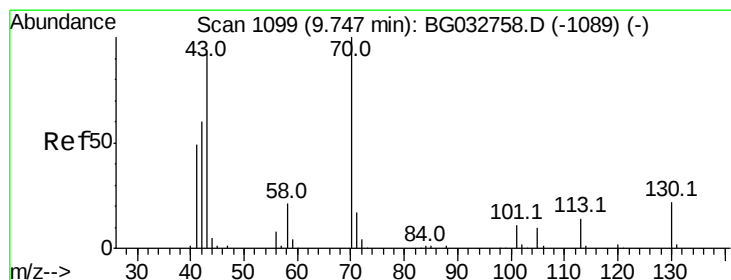
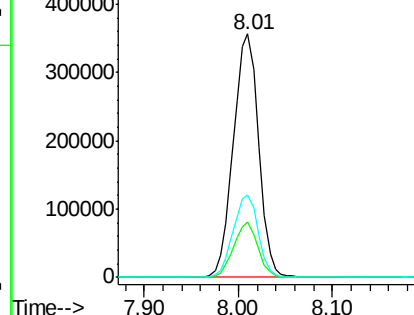
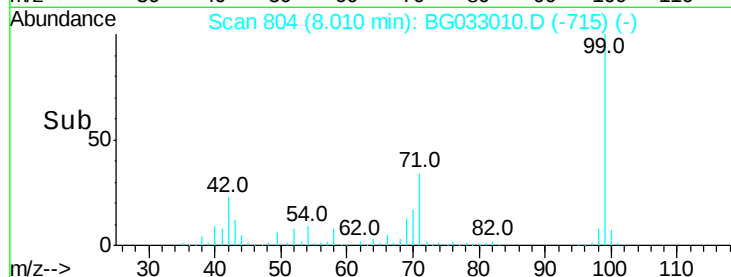
99 100

42 22.6 14.1 21.1#

71 33.8 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: 16.845 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

Tgt Ion: 70 Resp: 64923

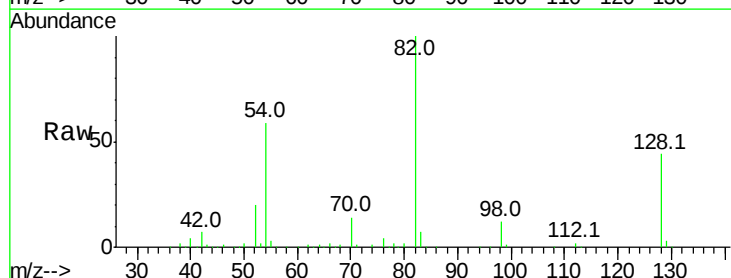
Ion Ratio Lower Upper

70 100

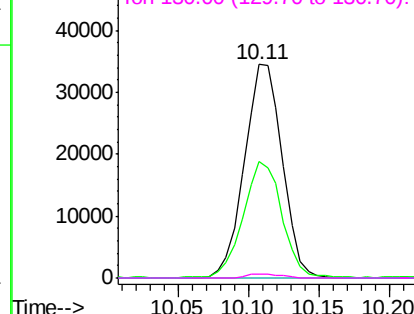
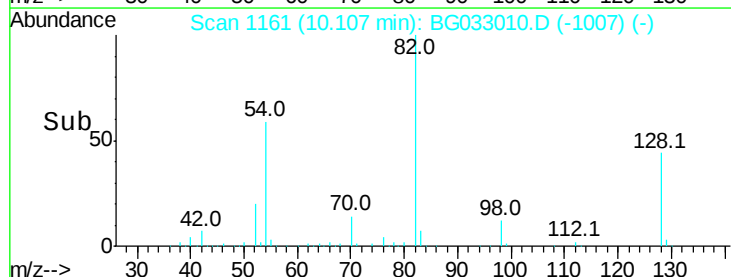
42 54.5 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

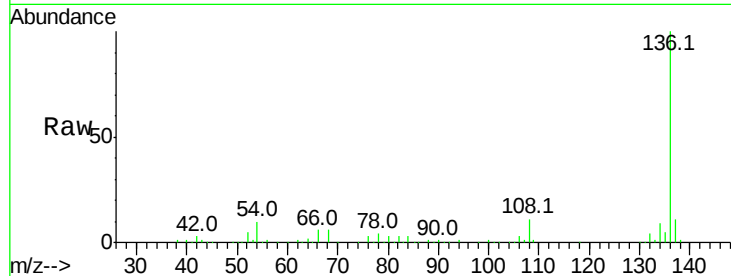




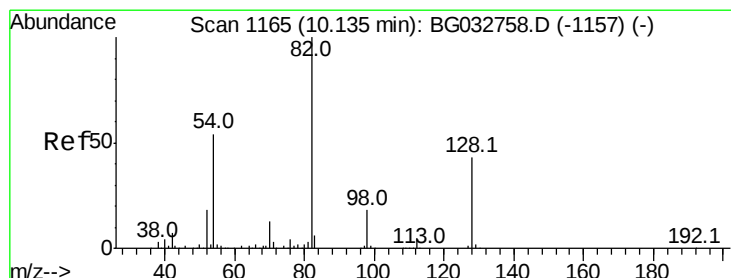
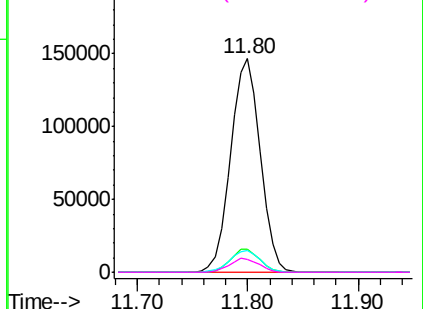
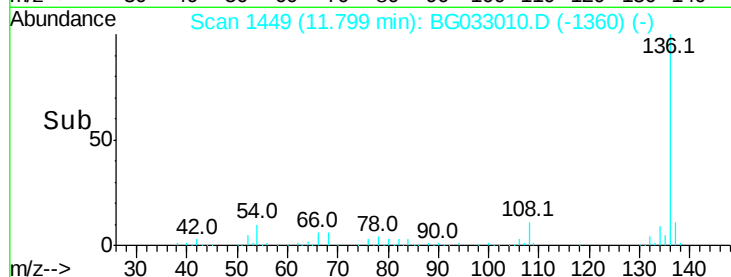
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.2	10.3	15.5
68	6.3	4.5	6.7

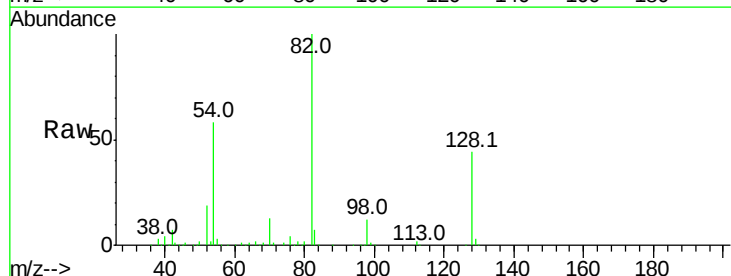


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

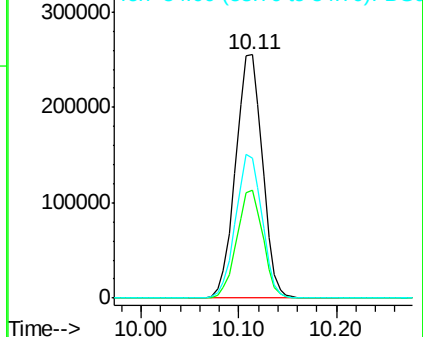
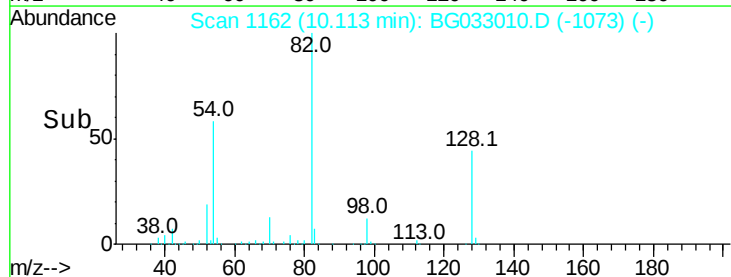


#23
Nitrobenzene-d5
Concen: 118.698 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	29.7	44.5
54	57.7	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#24

Nitrobenzene

Concen: 6.668 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

Instrument :

BNA_G

ClientSampleId :

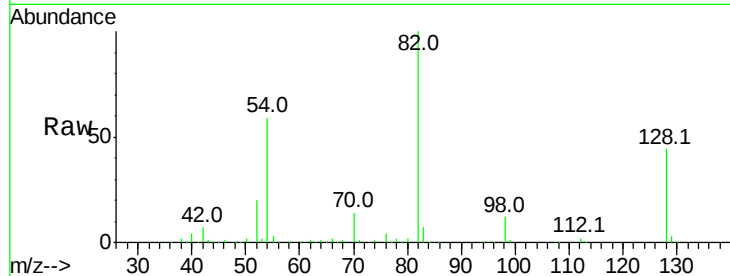
Tot Ion: 77 Resp: 1456

Ion Ratio Lower Upper

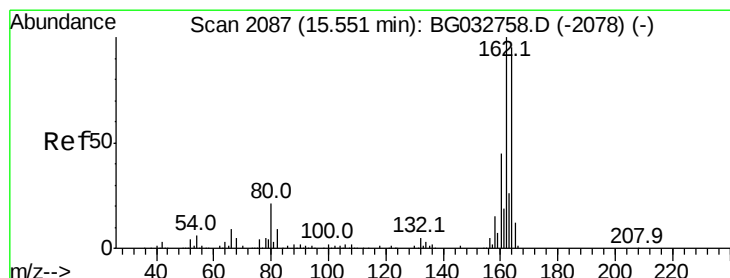
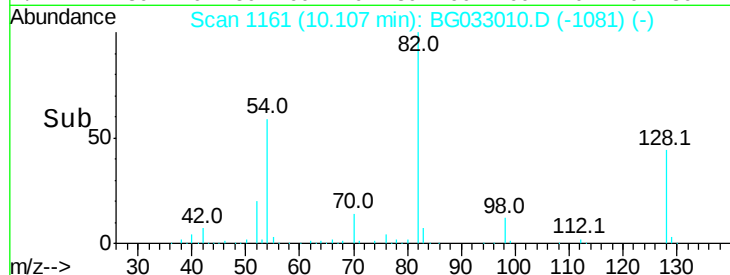
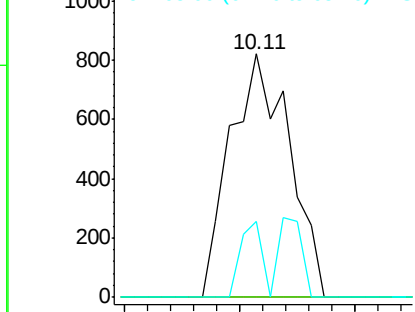
77 100

123 0.0 33.0 49.6#

65 31.3 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# 2084

Delta R.T. -0.01 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

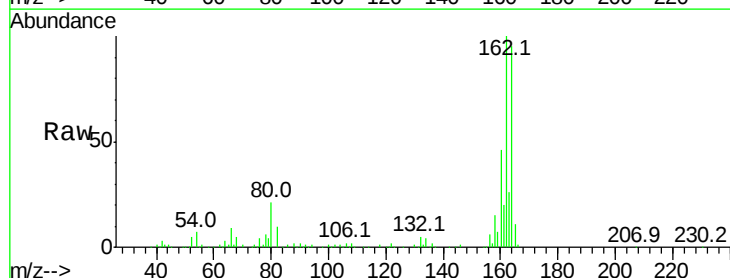
Tgt Ion:164 Resp: 157203

Ion Ratio Lower Upper

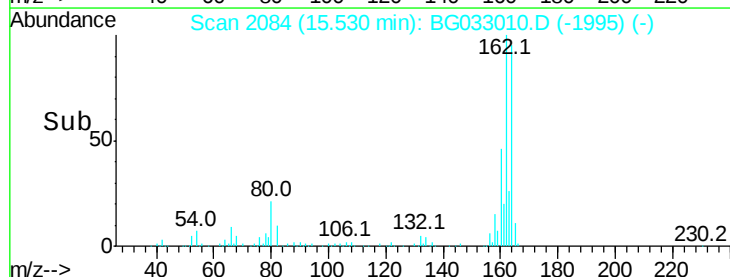
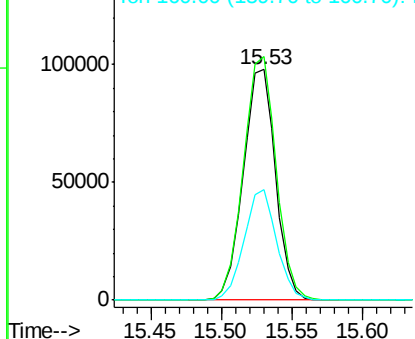
164 100

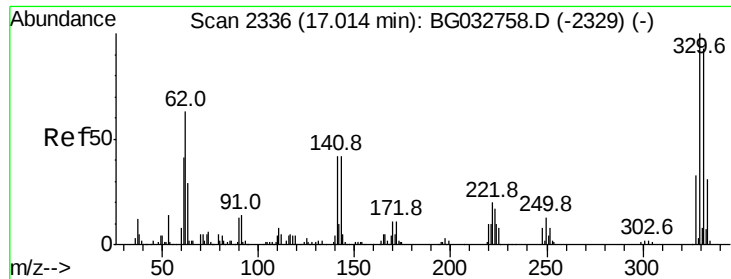
162 105.6 78.8 118.2

160 48.1 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

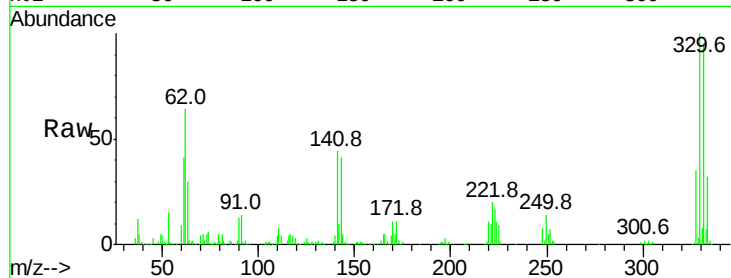




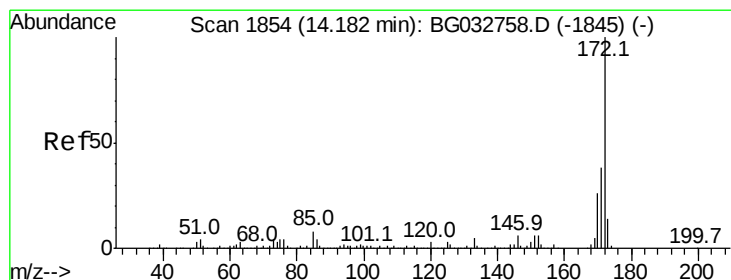
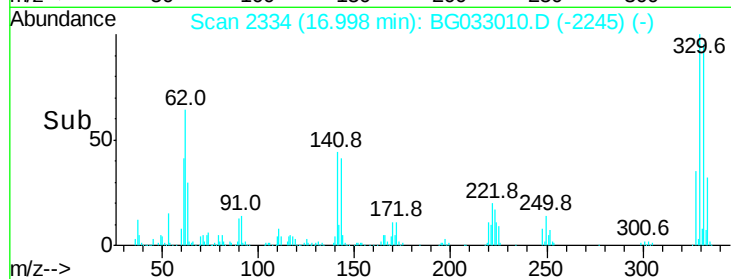
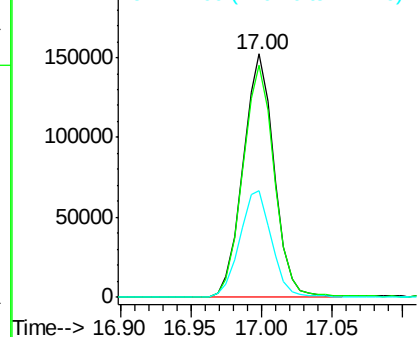
#41
 2,4,6-Tribromophenol
 Concen: 141.836 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BG033010.D
 Acq: 6 Mar 2018 5:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 234445
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 45.3 25.2 37.8#

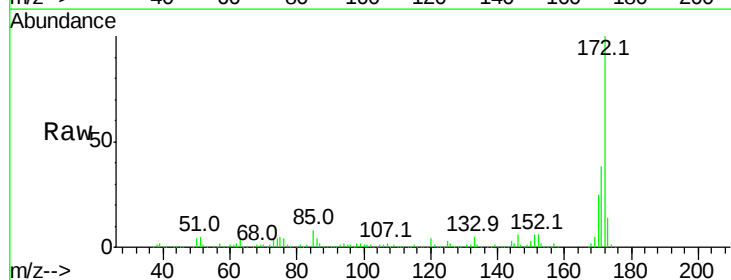


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

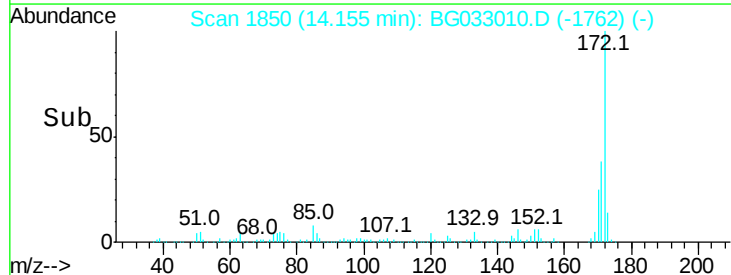
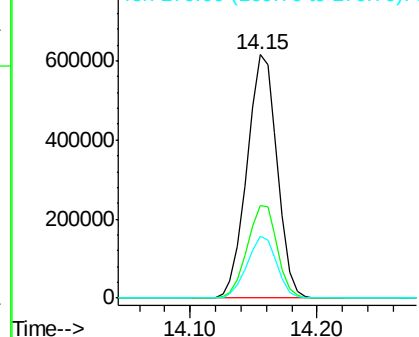


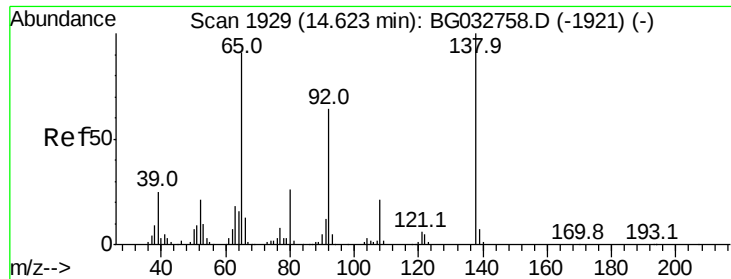
#44
 2-Fluorobiphenyl
 Concen: 92.871 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG033010.D
 Acq: 6 Mar 2018 5:15

Tgt Ion:172 Resp: 1012273
 Ion Ratio Lower Upper
 172 100
 171 38.2 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: 10.368 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

Instrument :

BNA_G

ClientSampleId :

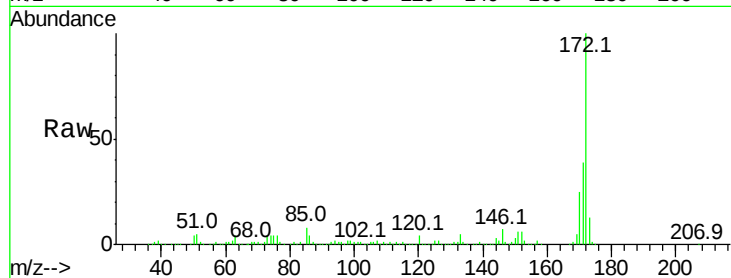
Tot Ion: 65 Resp: 1733

Ion Ratio Lower Upper

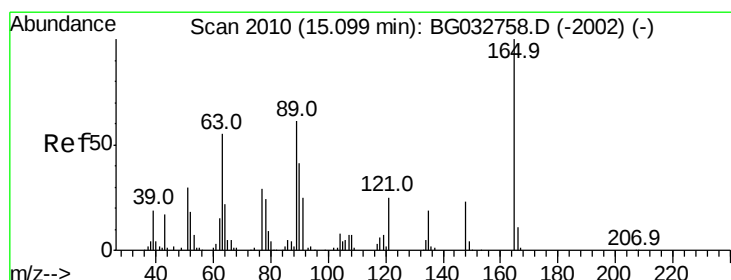
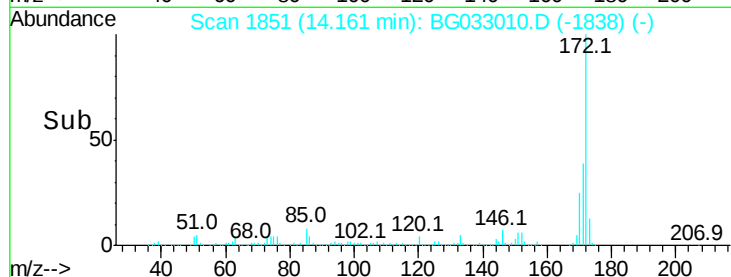
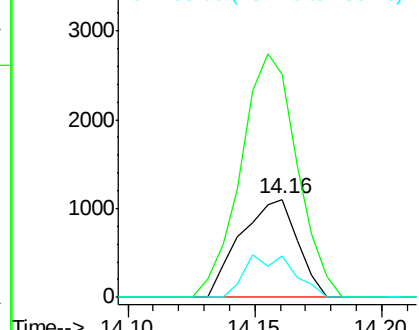
65 100

92 226.6 54.6 82.0#

138 42.6 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: 16.139 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

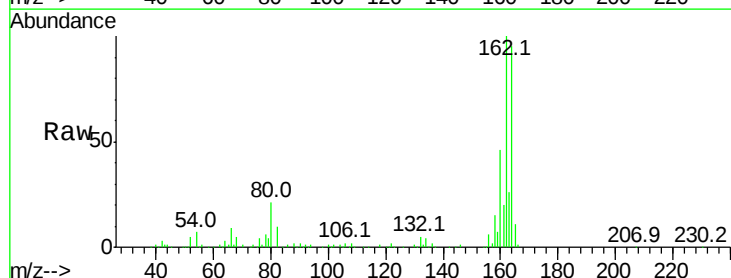
Tgt Ion:165 Resp: 19638

Ion Ratio Lower Upper

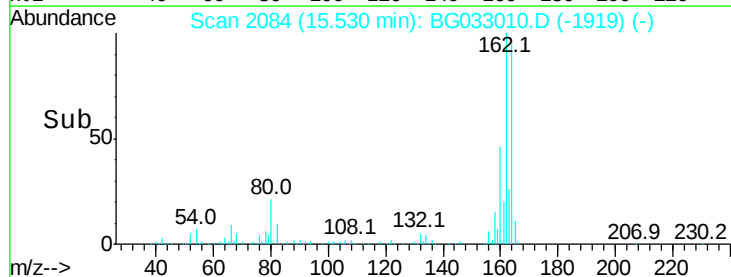
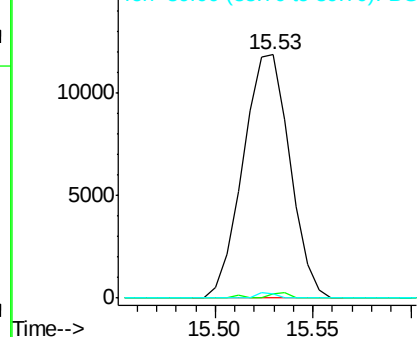
165 100

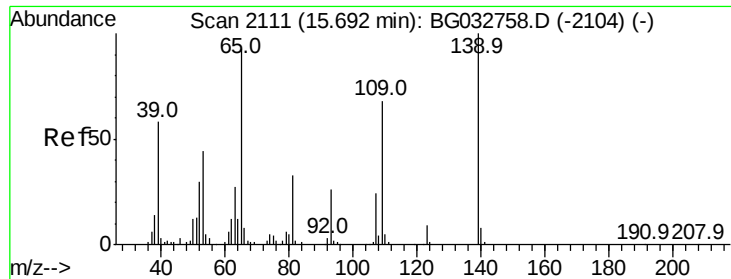
63 1.7 52.7 79.1#

89 1.8 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

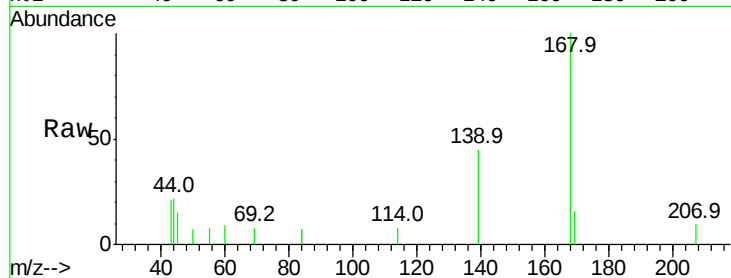




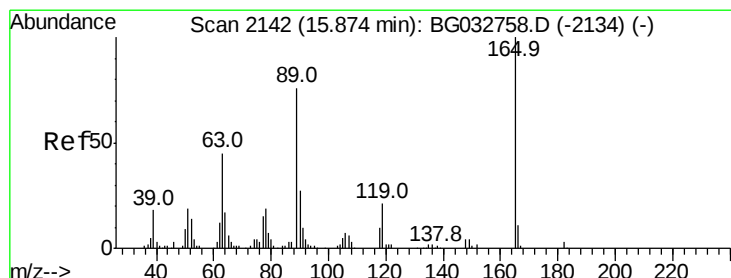
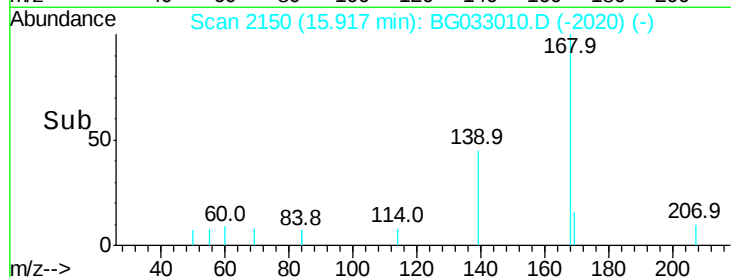
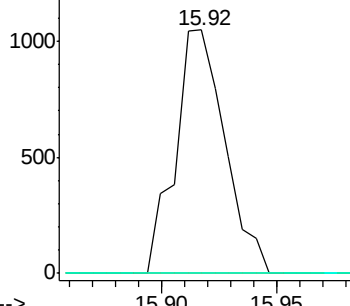
#55
4-Nitrophenol
Concen: 7.736 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 1573
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

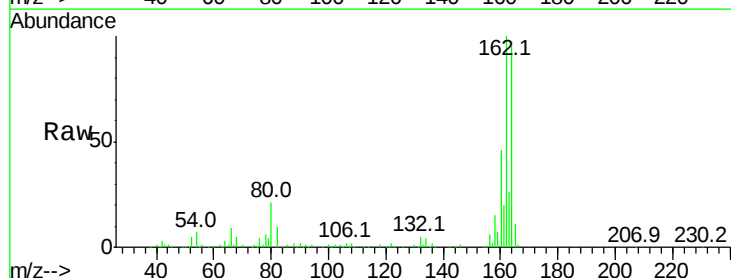


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

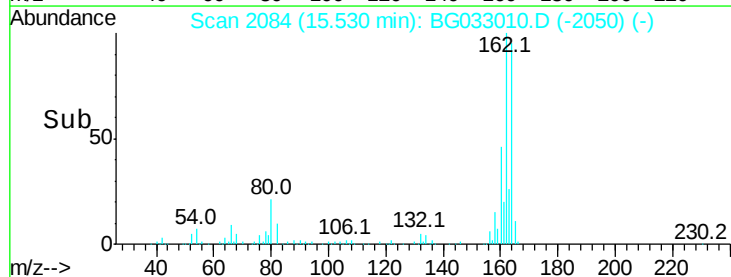
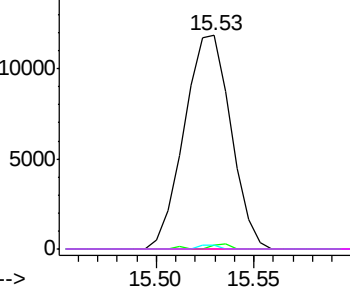


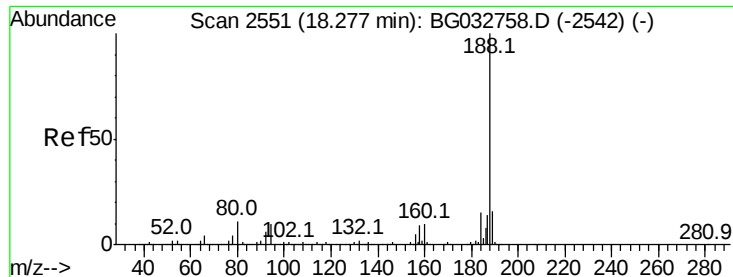
#56
2,4-Dinitrotoluene
Concen: 14.335 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Tgt Ion:165 Resp: 19638
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 1.8 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

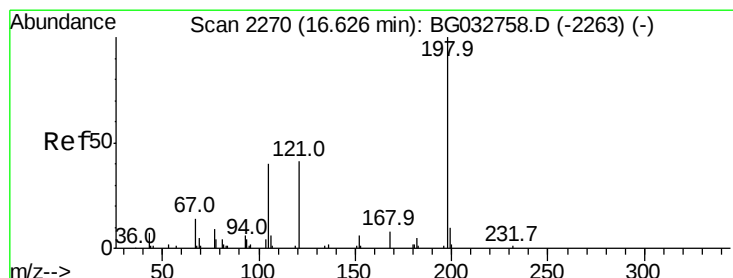
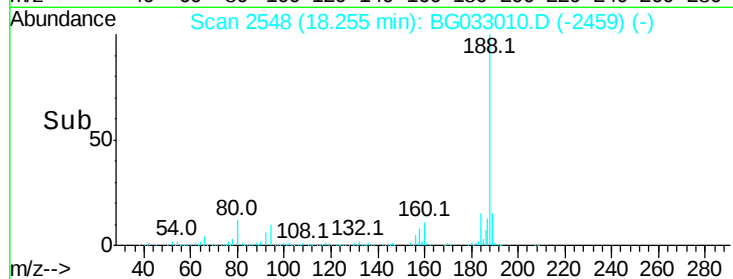
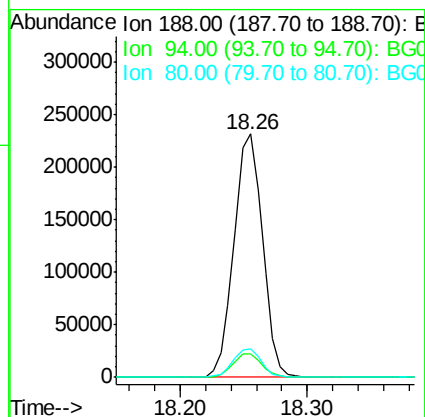
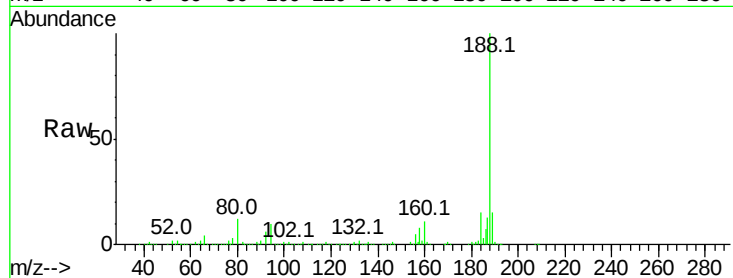




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

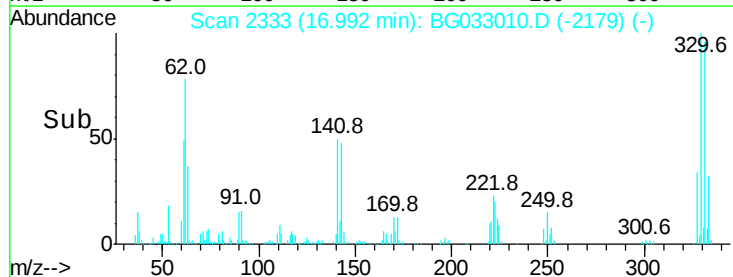
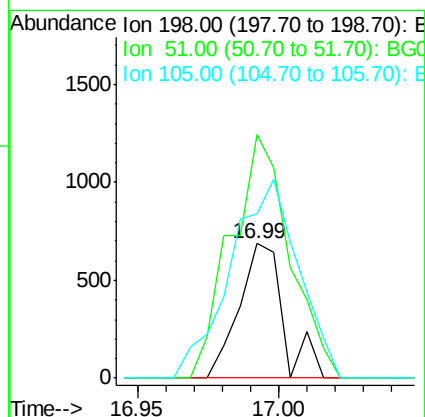
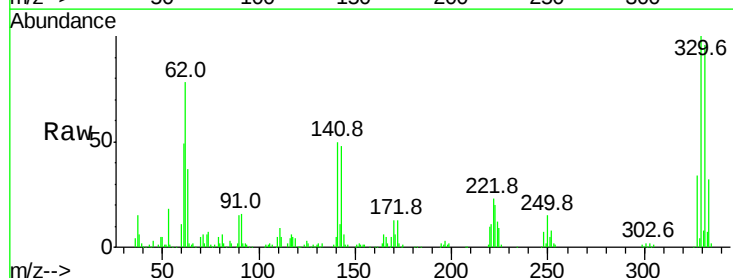
Instrument :
BNA_G
ClientSampleId :

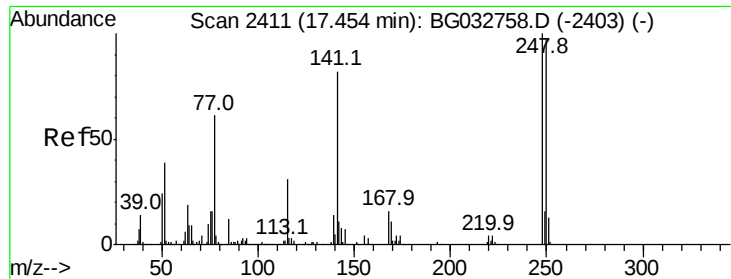
Tot Ion:188 Resp: 360259
Ion Ratio Lower Upper
188 100
94 9.7 6.9 10.3
80 11.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.821 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Tgt Ion:198 Resp: 740
Ion Ratio Lower Upper
198 100
51 181.3 30.6 70.6#
105 122.2 23.8 63.8#

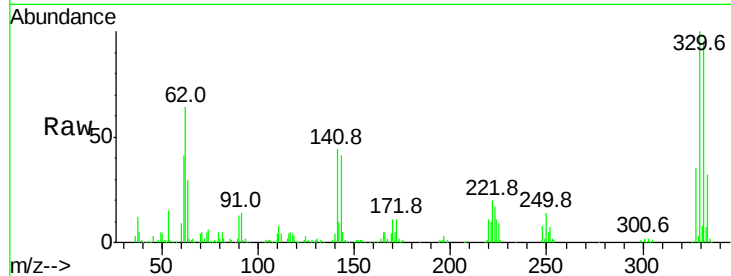




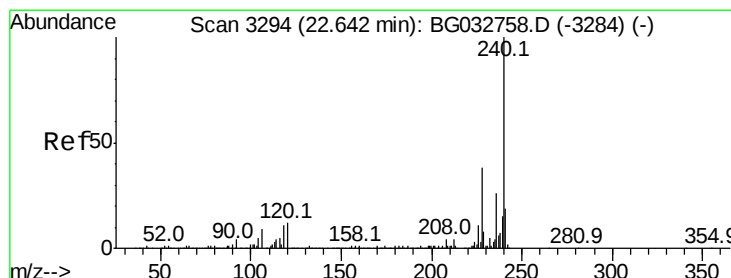
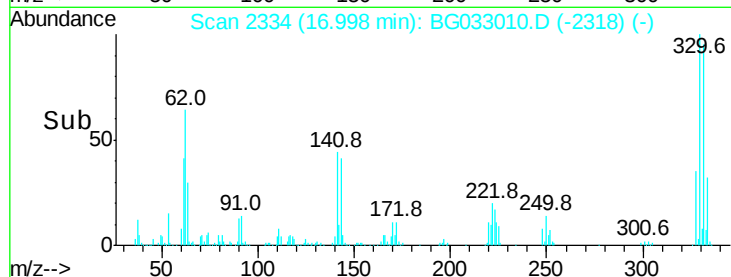
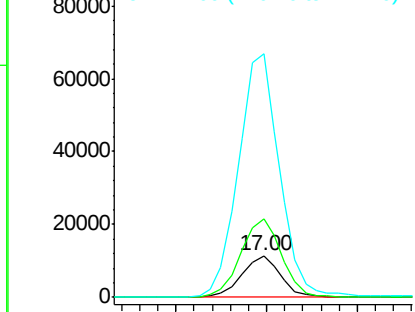
#66
4-Bromophenyl-phenylether
Concen: 4.435 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16895
Ion Ratio Lower Upper
248 100
250 187.0 77.1 115.7#
141 582.3 50.8 76.2#

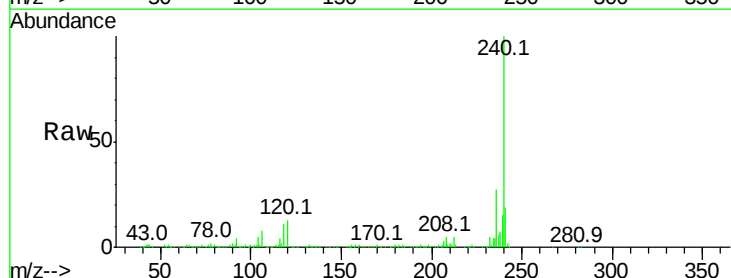


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

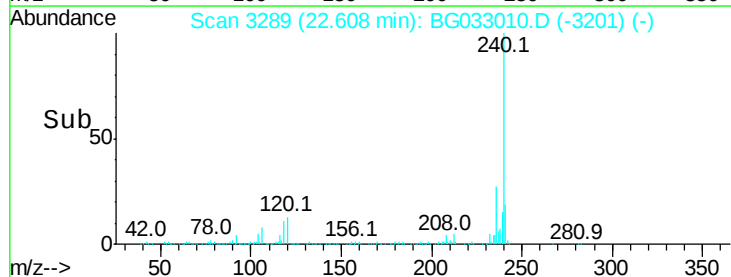
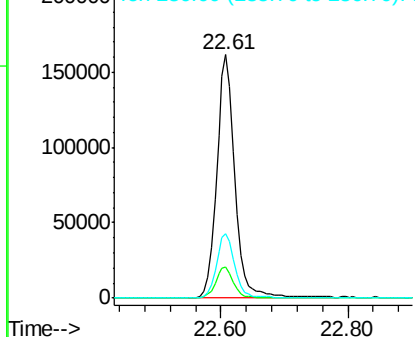


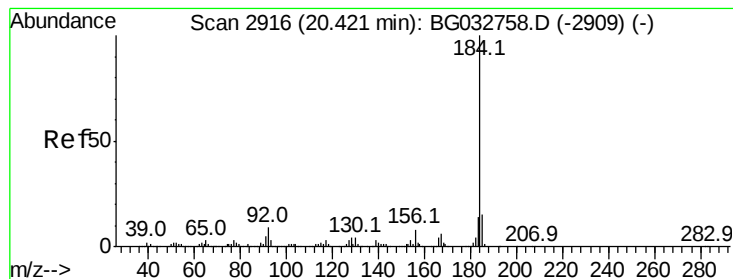
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3289
Delta R.T. -0.01 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Tgt Ion:240 Resp: 327371
Ion Ratio Lower Upper
240 100
120 12.7 6.8 10.2#
236 26.7 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: 2.431 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

Instrument :

BNA_G

ClientSampleId :

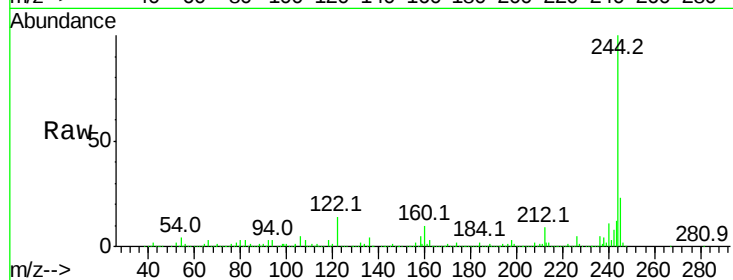
Tot Ion:184 Resp: 27124

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

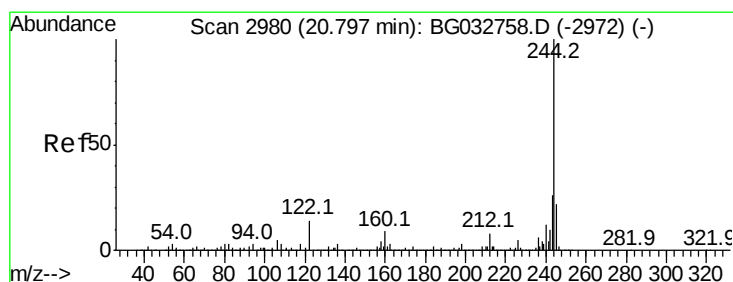
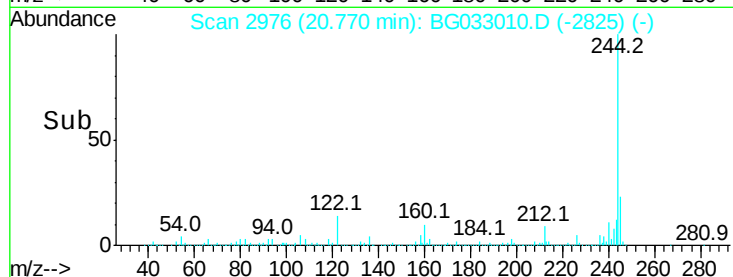
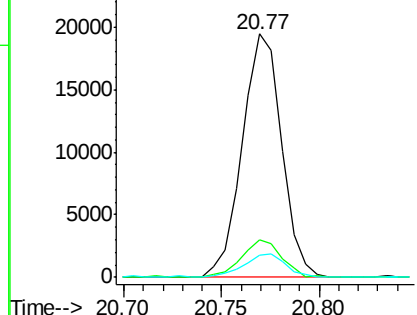
183 9.1 10.6 16.0#



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: 102.101 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BG033010.D

Acq: 6 Mar 2018 5:15

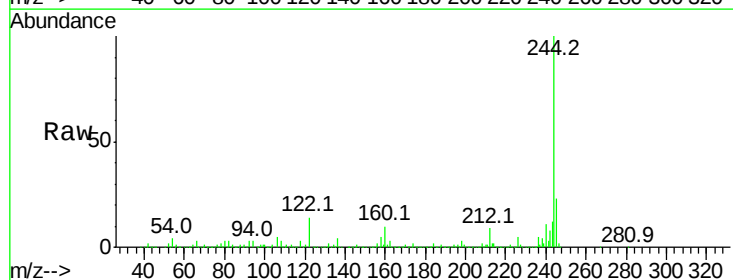
Tgt Ion:244 Resp: 1487709

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

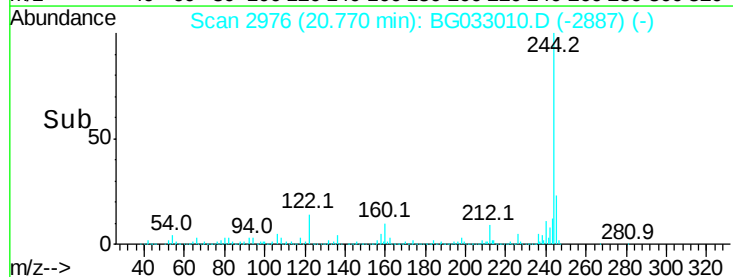
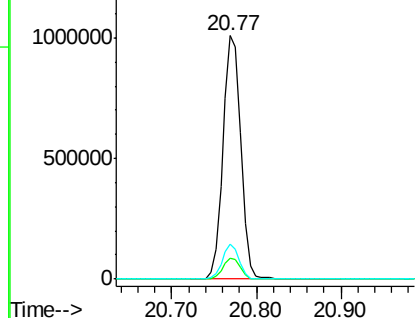
122 14.4 7.0 10.4#

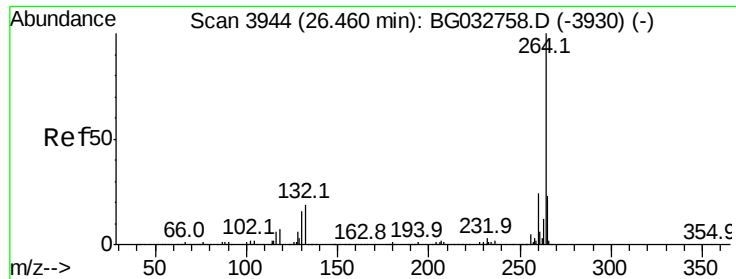


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.02 min
Lab File: BG033010.D
Acq: 6 Mar 2018 5:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	22.4	17.7	26.5

