

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
 Data File : BG033032.D
 Acq On : 6 Mar 2018 21:46
 Operator : SJ/JU
 Sample : PB107125TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 07 02:23:17 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

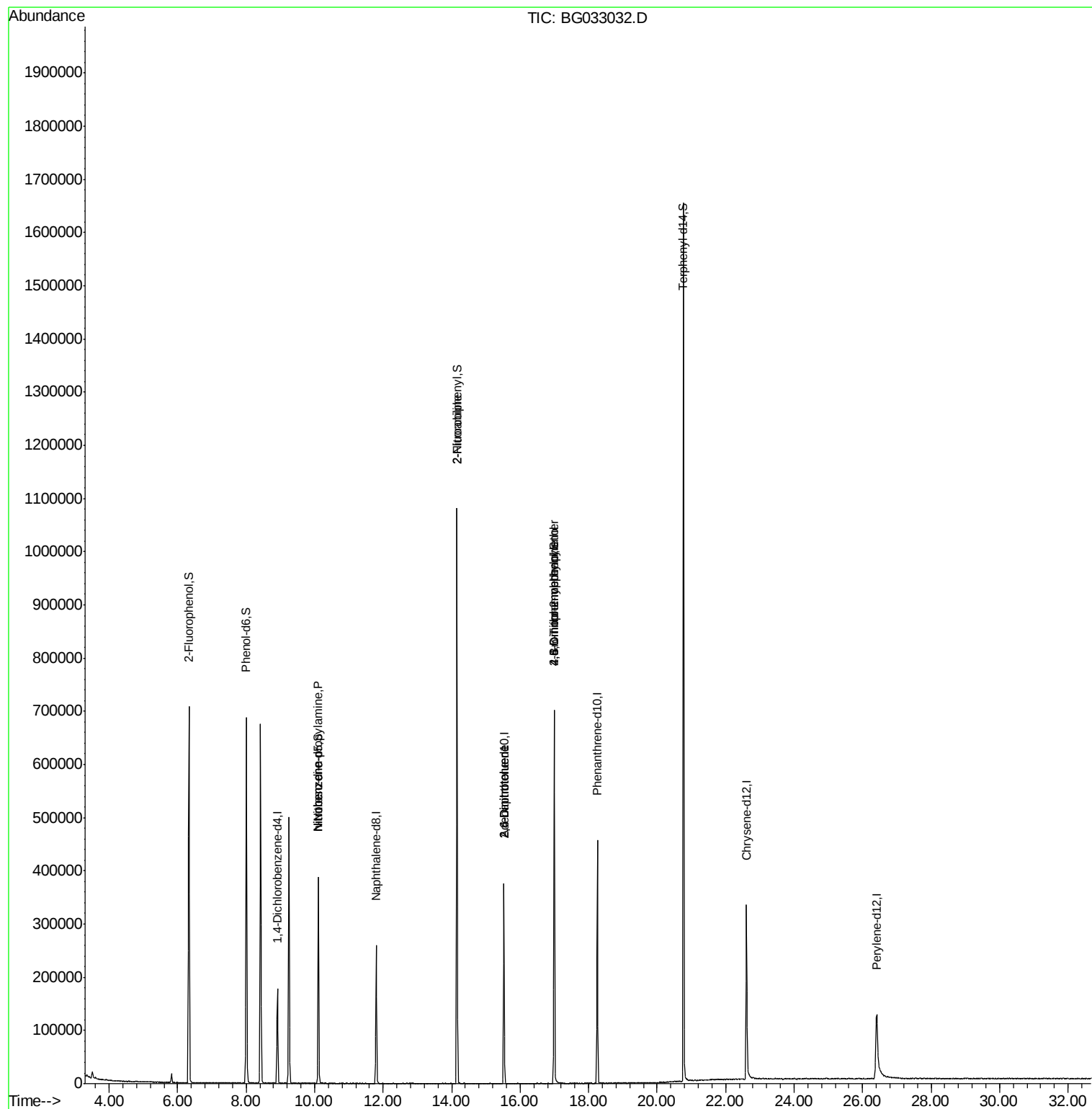
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	52084	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	227453	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	125686	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	280340	20.00	ng	0.00
75) Chrysene-d12	22.61	240	247018	20.00	ng	0.00
86) Perylene-d12	26.41	264	217036	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	324071	99.54	ng	0.00
7) Phenol-d6	8.01	99	430559	94.88	ng	0.00
23) Nitrobenzene-d5	10.10	82	245725	76.14	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	122306	92.55	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	558977	64.14	ng	0.00
78) Terphenyl-d14	20.77	244	783575	71.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	31927	9.966	ng	# 83
24) Nitrobenzene	10.11	77	691	6.546	ng	# 43
47) 2-Nitroaniline	14.15	65	868	10.169	ng	# 7
50) 2,6-Dinitrotoluene	15.53	165	15834	16.201	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	15834	14.397	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	437	5.611	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	9170	3.093	ng	# 1

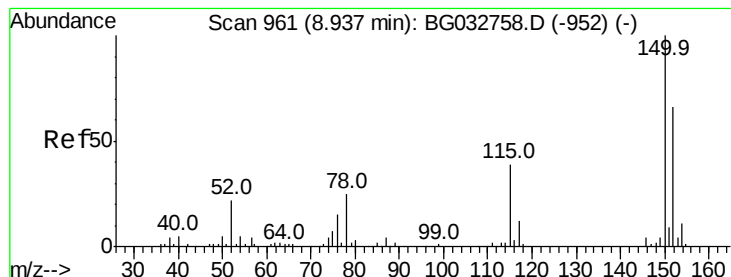
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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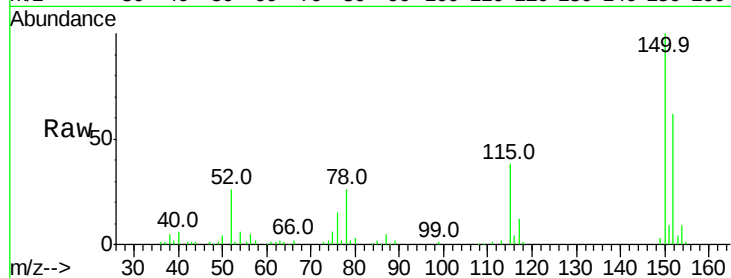


#1

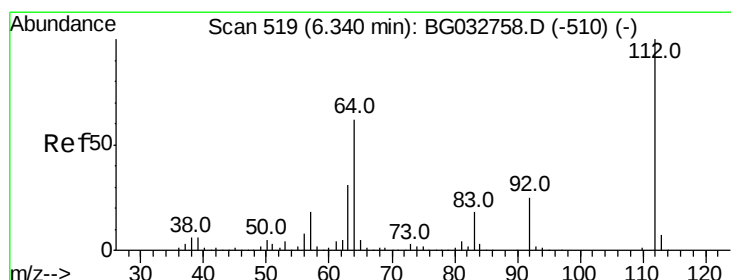
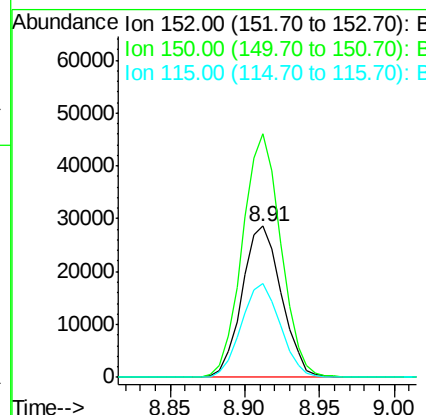
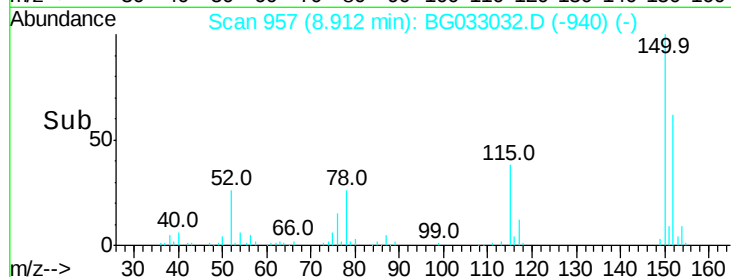
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52084
Ion Ratio Lower Upper
152 100
150 161.2 126.6 189.8
115 61.9 53.0 79.4



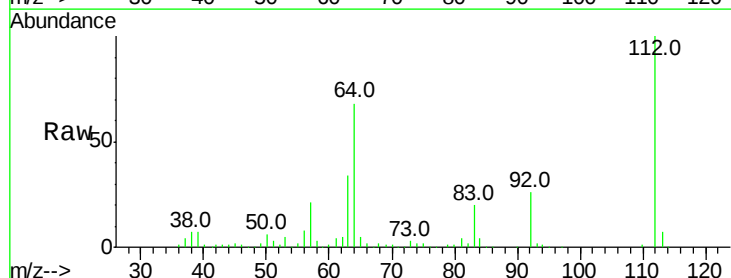
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



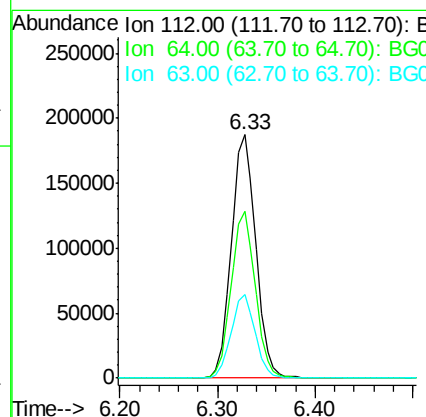
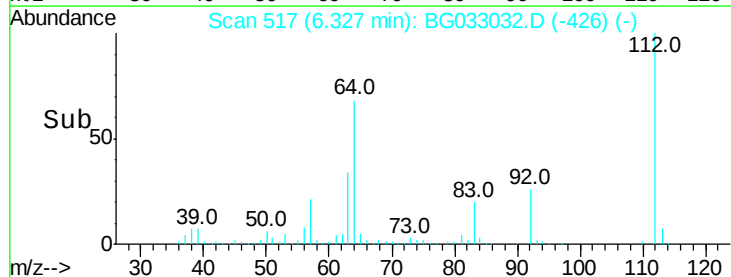
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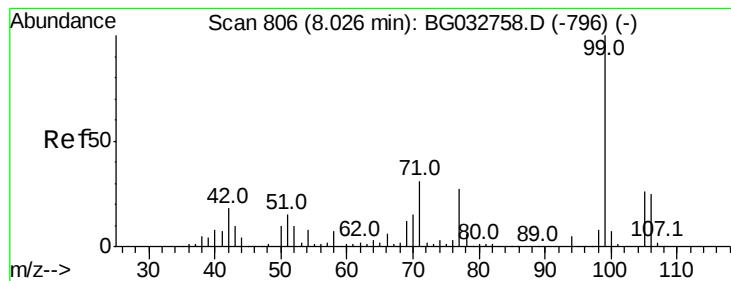
2-Fluorophenol
Concen: 99.544 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Tgt Ion:112 Resp: 324071
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 34.4 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: 94.883 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

Instrument :

BNA_G

ClientSampleId :

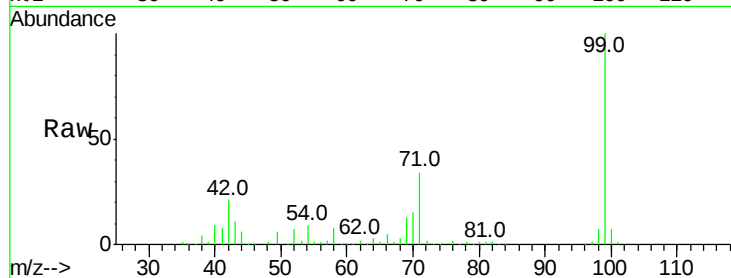
Tot Ion: 99 Resp: 430559

Ion Ratio Lower Upper

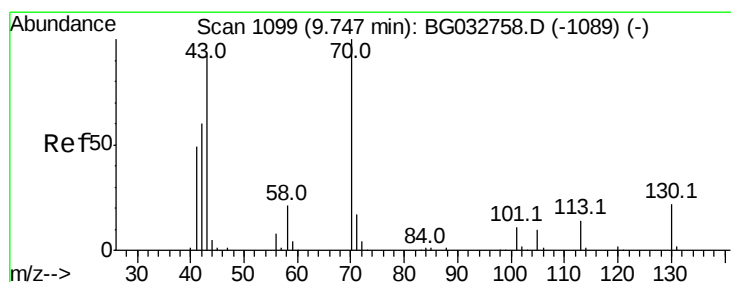
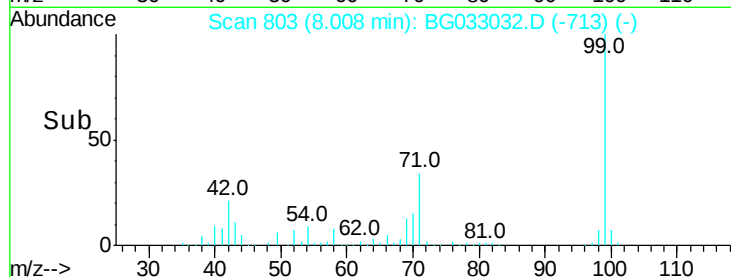
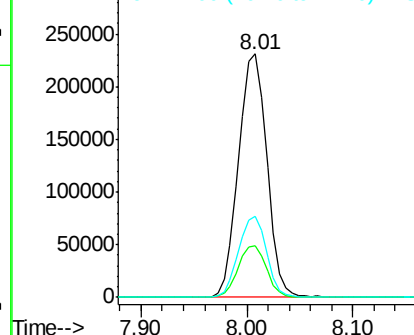
99 100

42 21.3 14.1 21.1#

71 33.5 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: 9.966 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

Tgt Ion: 70 Resp: 31927

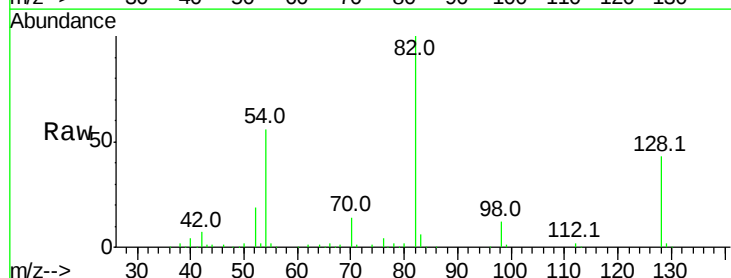
Ion Ratio Lower Upper

70 100

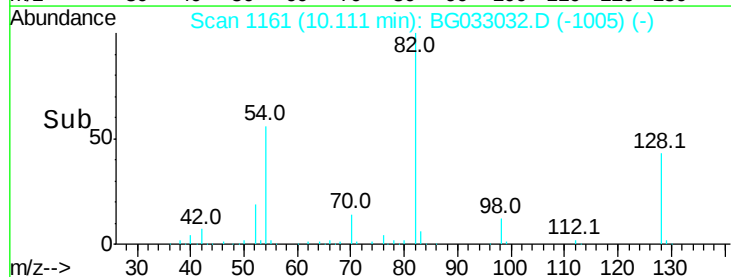
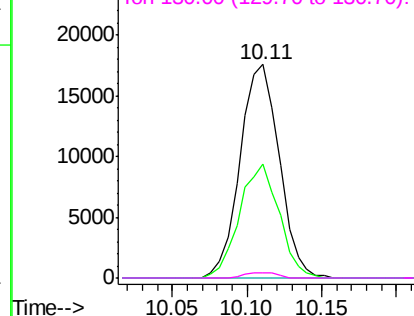
42 53.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.6 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

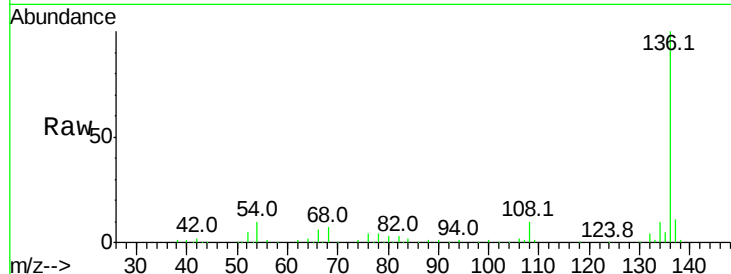




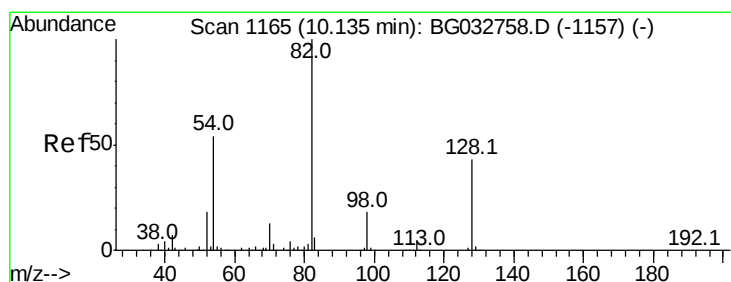
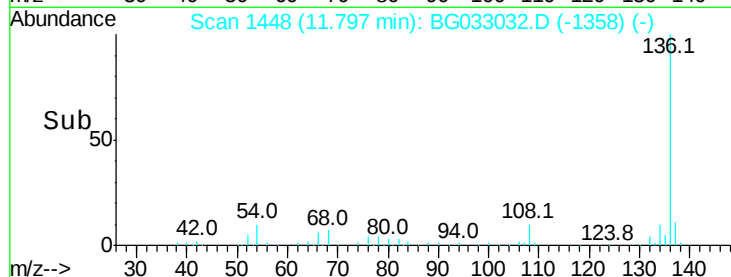
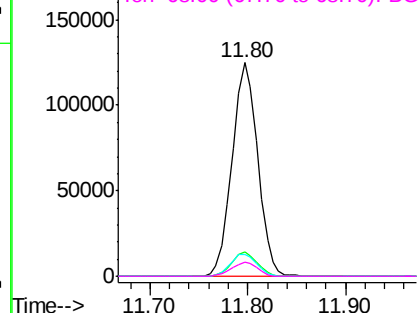
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	227453
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.3	10.3	15.5
68	6.8	4.5	6.7#

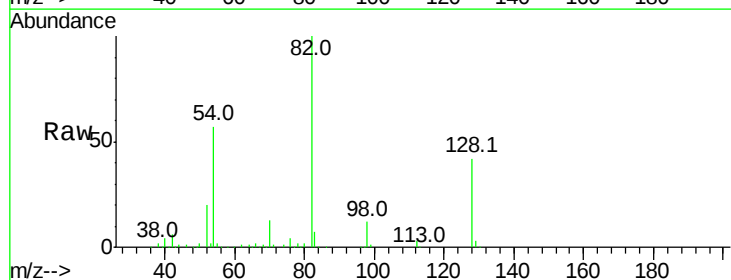


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

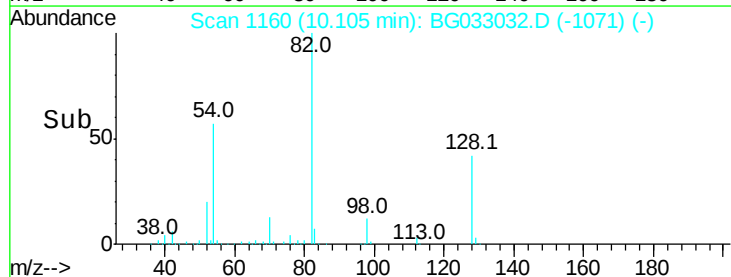
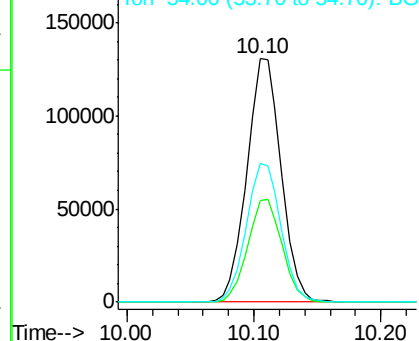


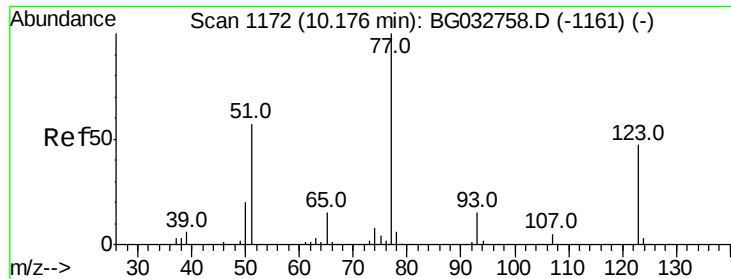
#23
Nitrobenzene-d5
Concen: 76.140 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Tgt Ion:	82	Resp:	245725
Ion	Ratio	Lower	Upper
82	100		
128	41.9	29.7	44.5
54	56.9	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: 6.546 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

Instrument :

BNA_G

ClientSampled :

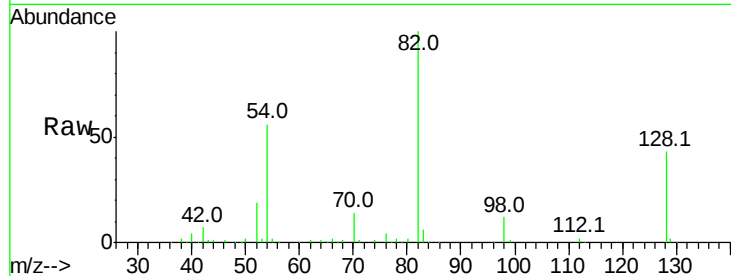
Tot Ion: 77 Resp: 691

Ion Ratio Lower Upper

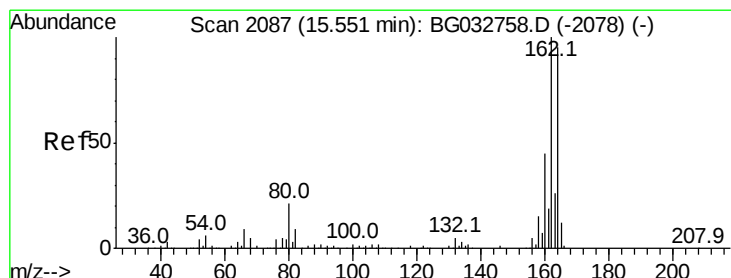
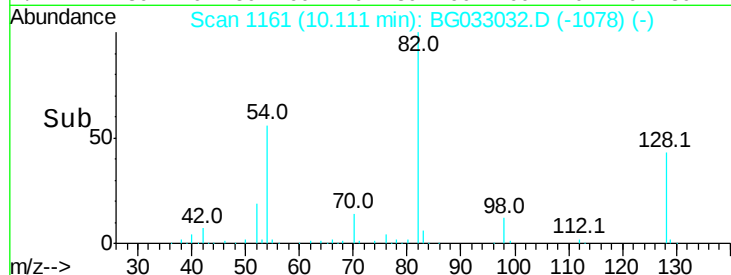
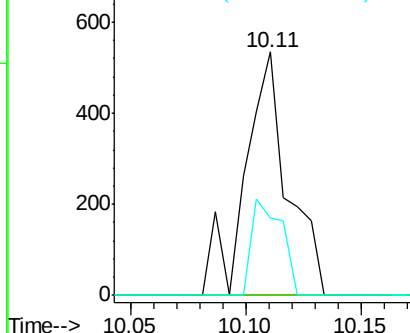
77 100

123 0.0 33.0 49.6#

65 31.8 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: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

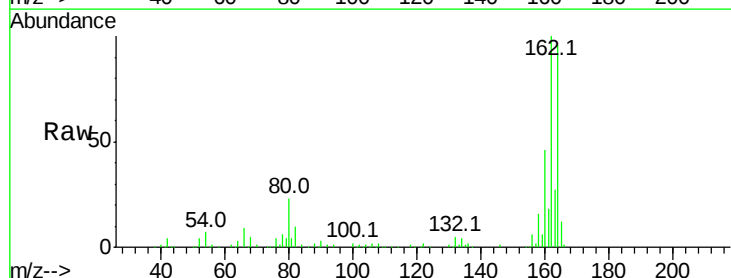
Tgt Ion:164 Resp: 125686

Ion Ratio Lower Upper

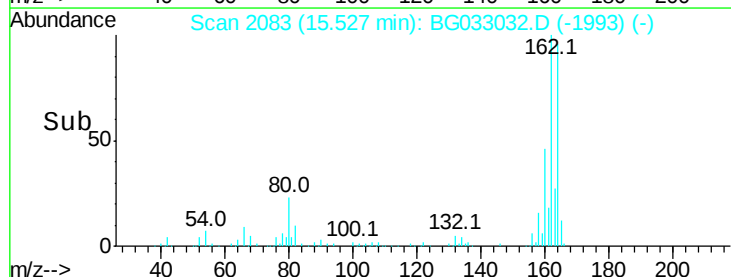
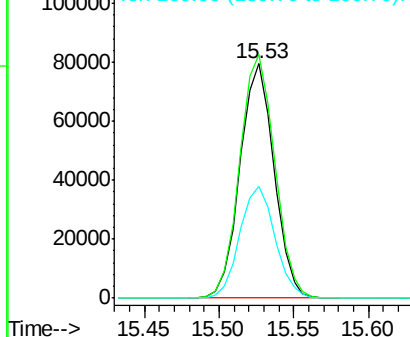
164 100

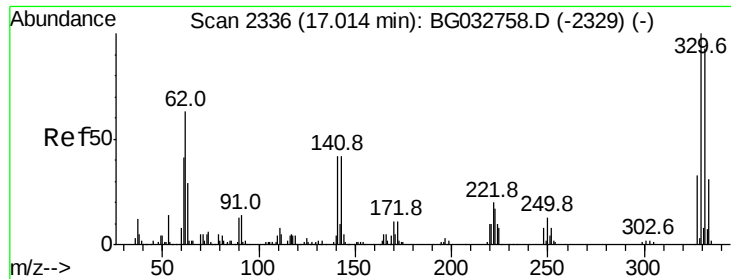
162 103.9 78.8 118.2

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

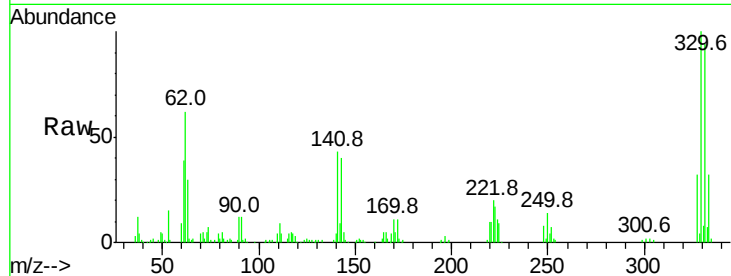




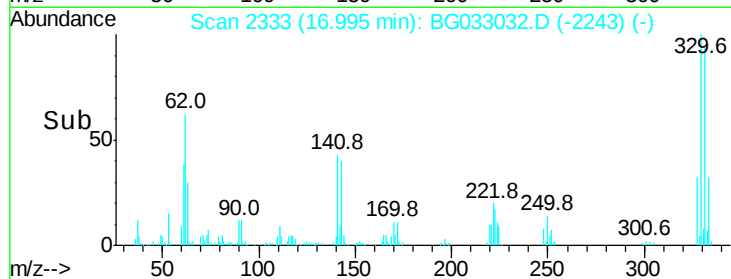
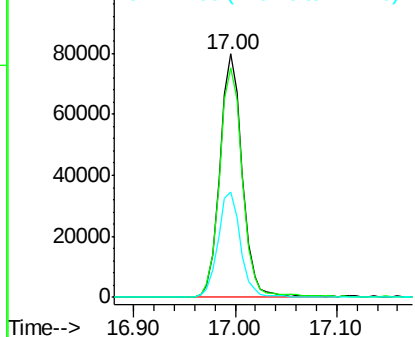
#41
 2,4,6-Tribromophenol
 Concen: 92.548 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 122306
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 43.5 25.2 37.8#

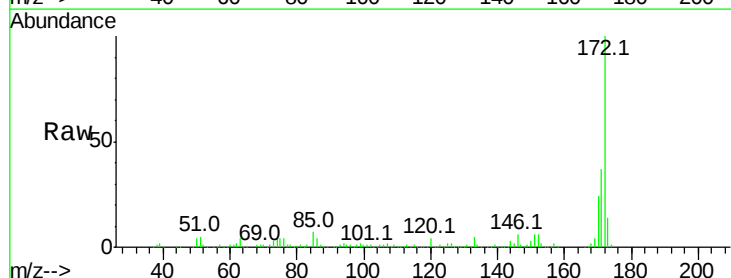


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

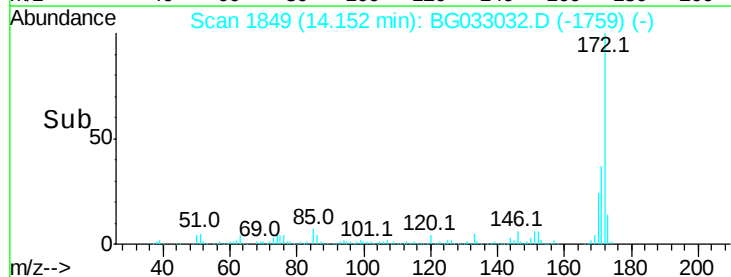
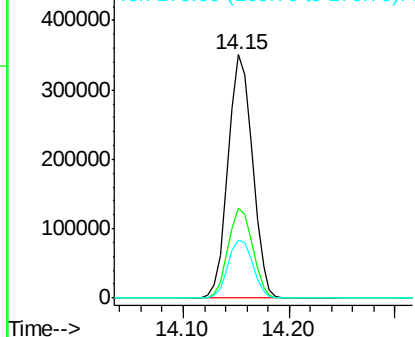


#44
 2-Fluorobiphenyl
 Concen: 64.143 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

Tgt Ion:172 Resp: 558977
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 23.8 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

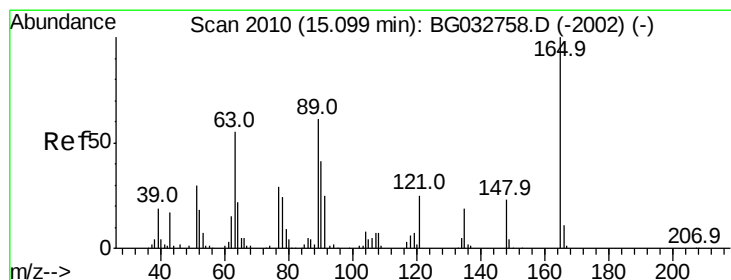
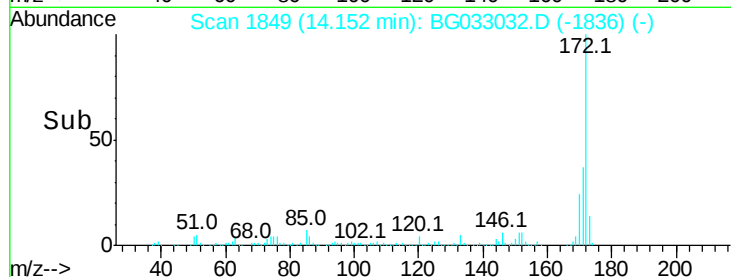
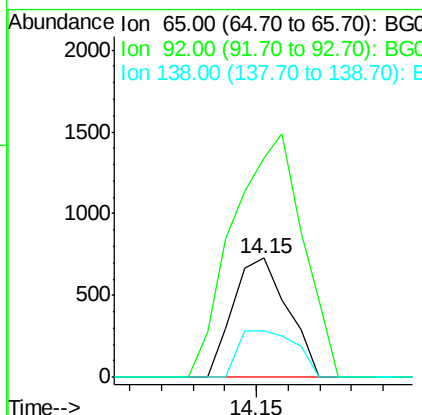
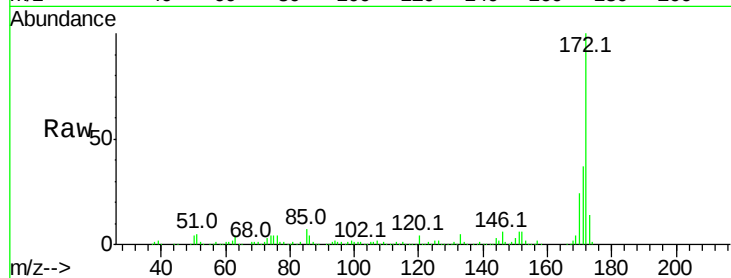




#47
2-Nitroaniline
Concen: 10.169 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

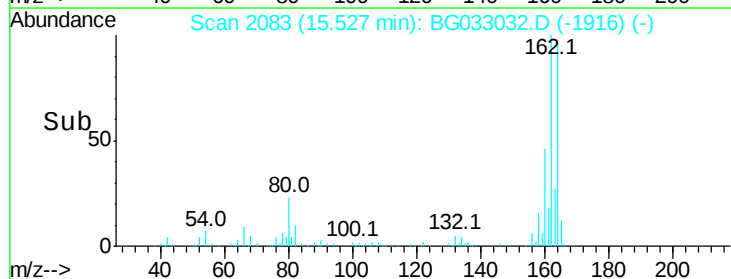
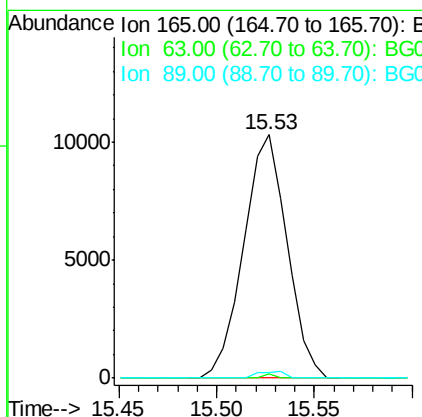
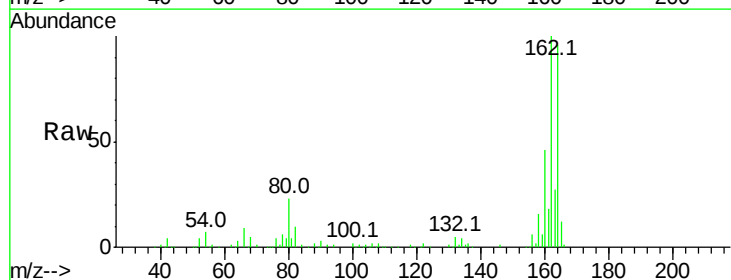
Instrument :
BNA_G
ClientSampled :

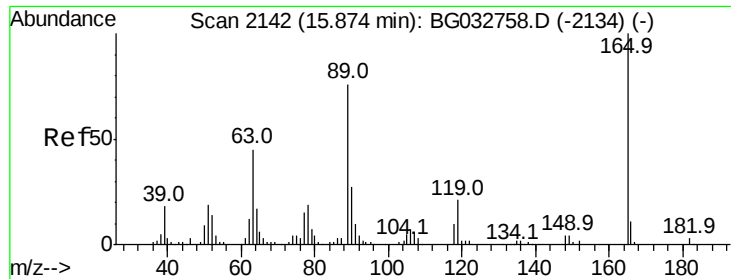
Tot Ion: 65 Resp: 868
Ion Ratio Lower Upper
65 100
92 184.8 54.6 82.0#
138 39.1 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.201 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Tgt Ion:165 Resp: 15834
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 2.1 49.2 73.8#

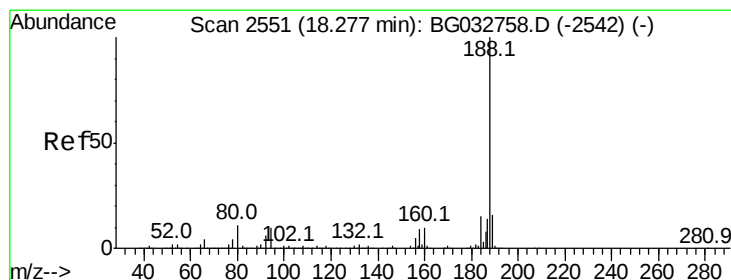
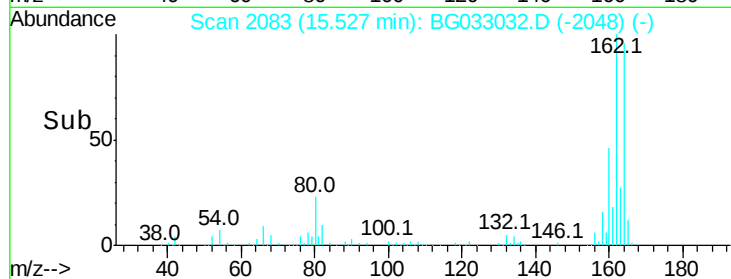
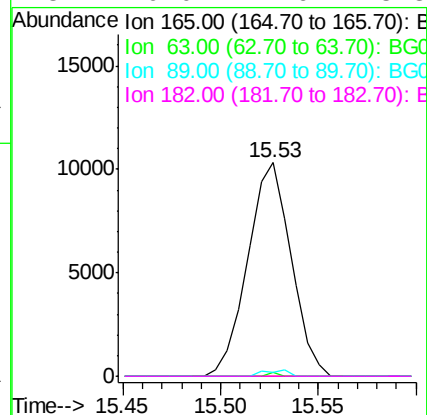
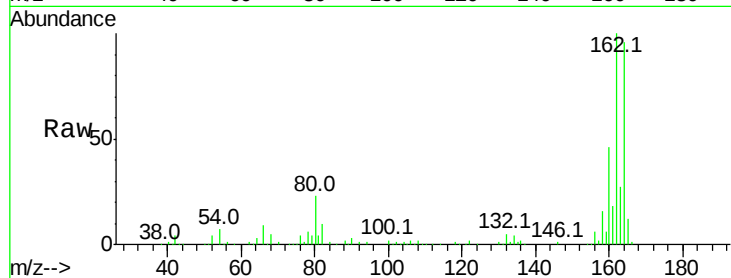




#56
 2,4-Dinitrotoluene
 Concen: 14.397 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.32 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

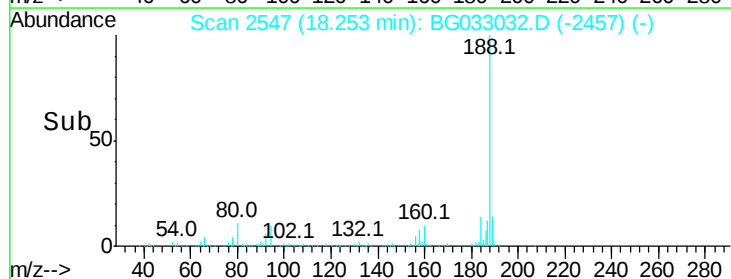
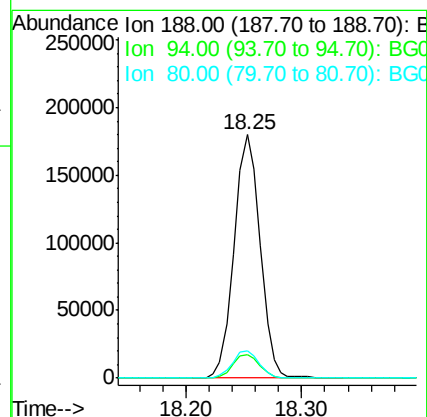
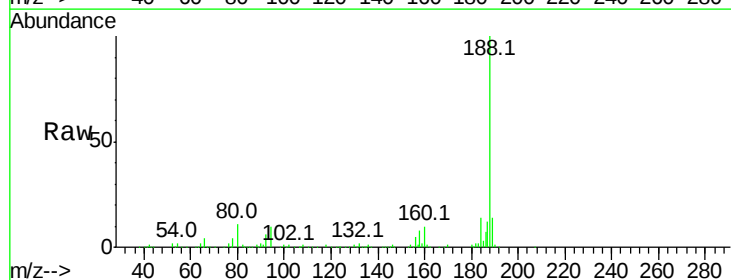
Instrument :
 BNA_G
 ClientSampleId :

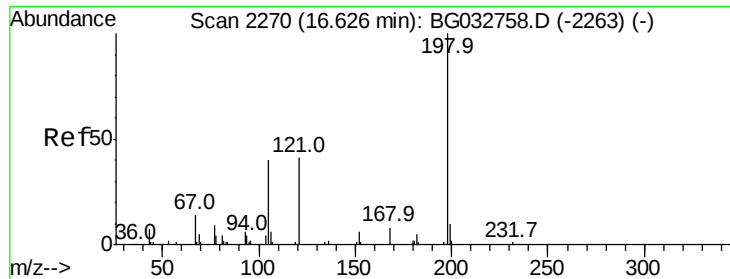
Tot Ion:	165	Resp:	15834
Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

Tgt Ion:	188	Resp:	280340
Ion	Ratio	Lower	Upper
188	100		
94	9.7	6.9	10.3
80	11.2	7.7	11.5

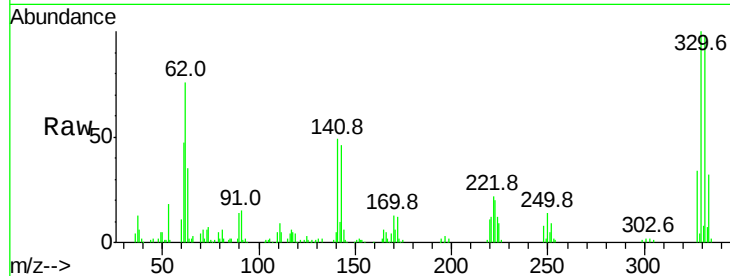




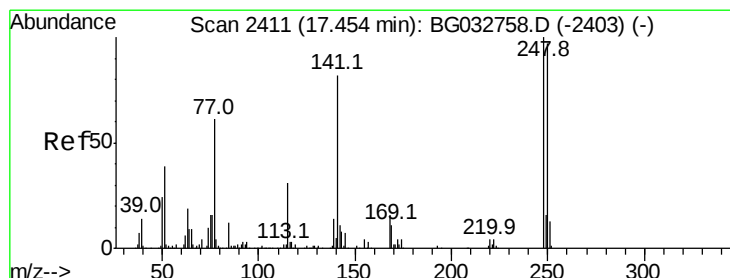
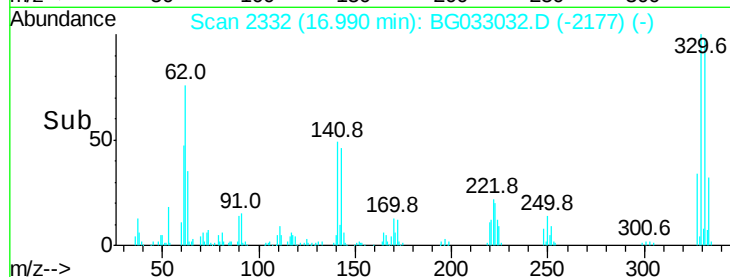
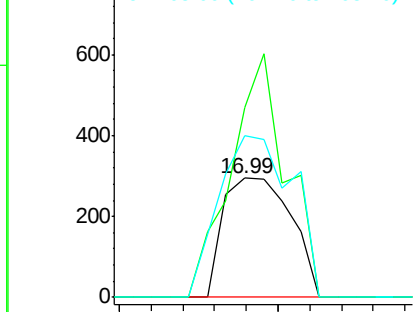
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.611 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 437
 Ion Ratio Lower Upper
 198 100
 51 159.0 30.6 70.6#
 105 135.6 23.8 63.8#

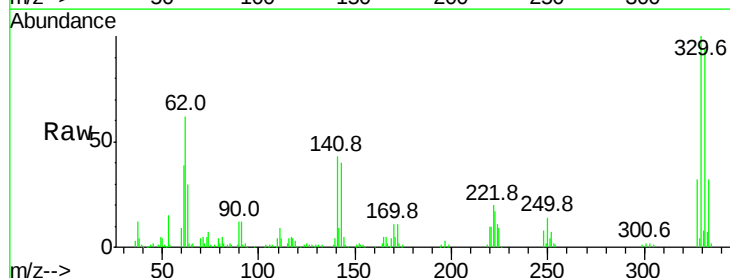


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

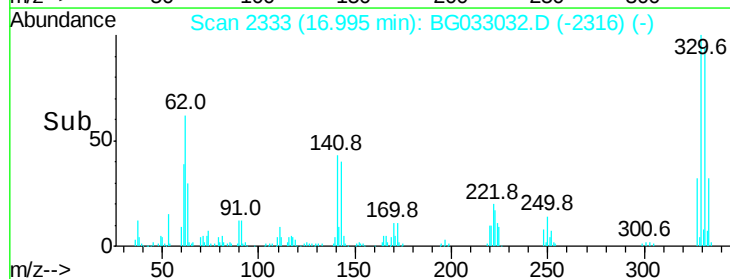
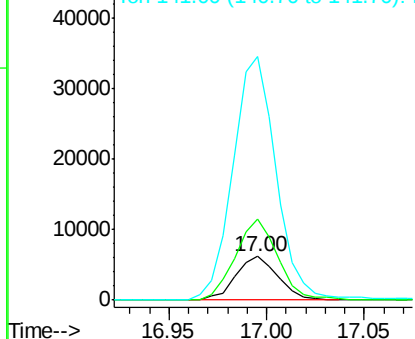


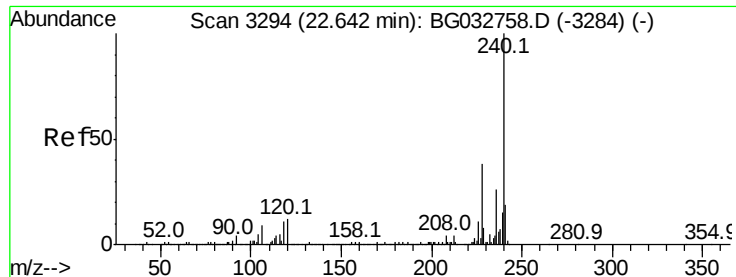
#66
 4-Bromophenyl-phenylether
 Concen: 3.093 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033032.D
 Acq: 6 Mar 2018 21:46

Tgt Ion:248 Resp: 9170
 Ion Ratio Lower Upper
 248 100
 250 186.8 77.1 115.7#
 141 561.9 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# 3288

Delta R.T. -0.01 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

Instrument :

BNA_G

ClientSampleId :

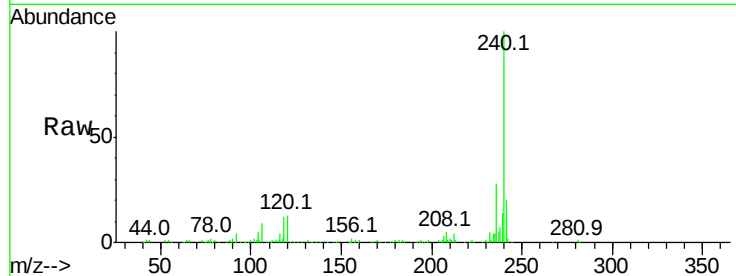
Tot Ion:240 Resp: 247018

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

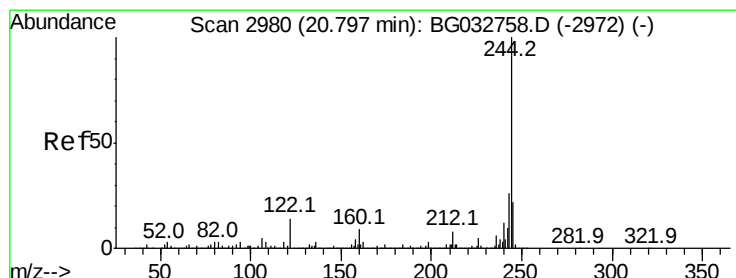
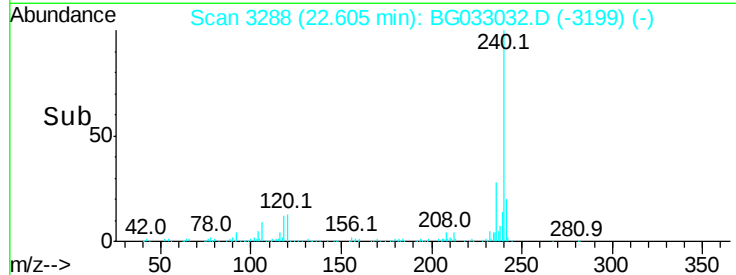
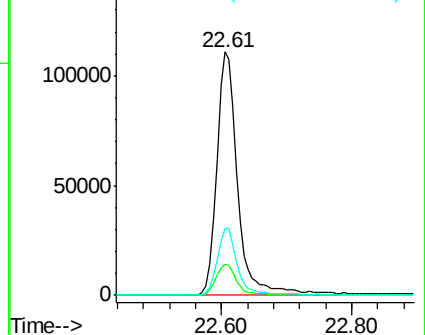
236 27.6 20.9 31.3



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: 71.269 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033032.D

Acq: 6 Mar 2018 21:46

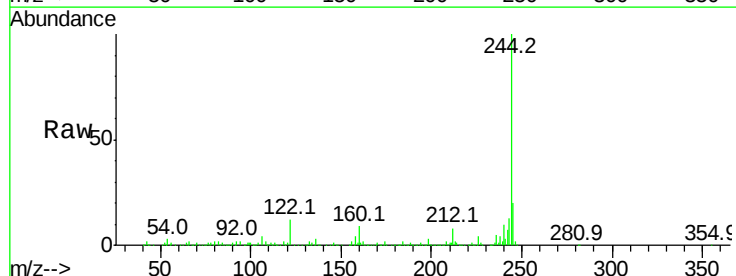
Tgt Ion:244 Resp: 783575

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

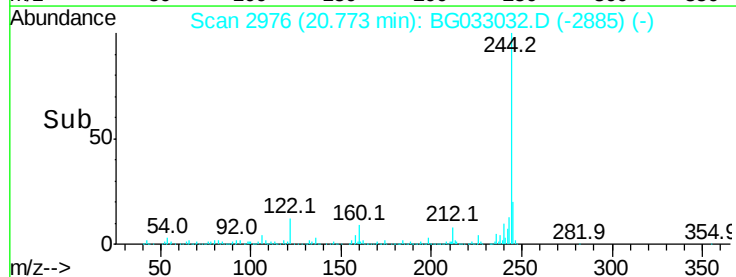
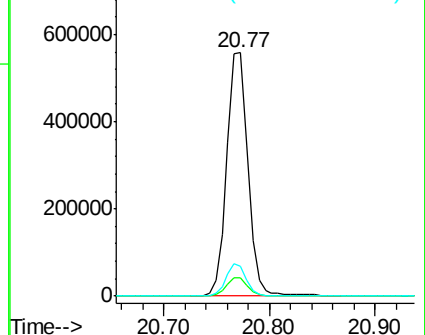
122 12.2 7.0 10.4#

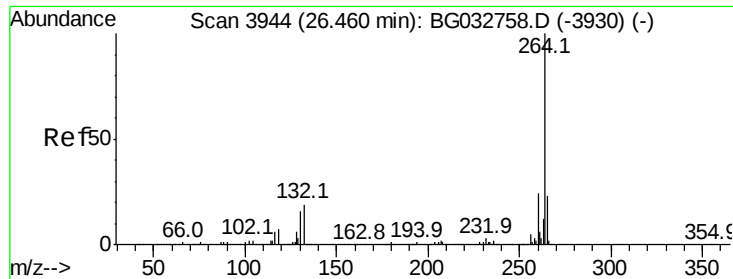


Abundance Ion 244.00 (243.70 to 244.70): E

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. 0.00 min
Lab File: BG033032.D
Acq: 6 Mar 2018 21:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.4	17.7	26.5

