

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033090.D
 Acq On : 12 Mar 2018 15:32
 Operator : SJ/JU
 Sample : J1868-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 16:28:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

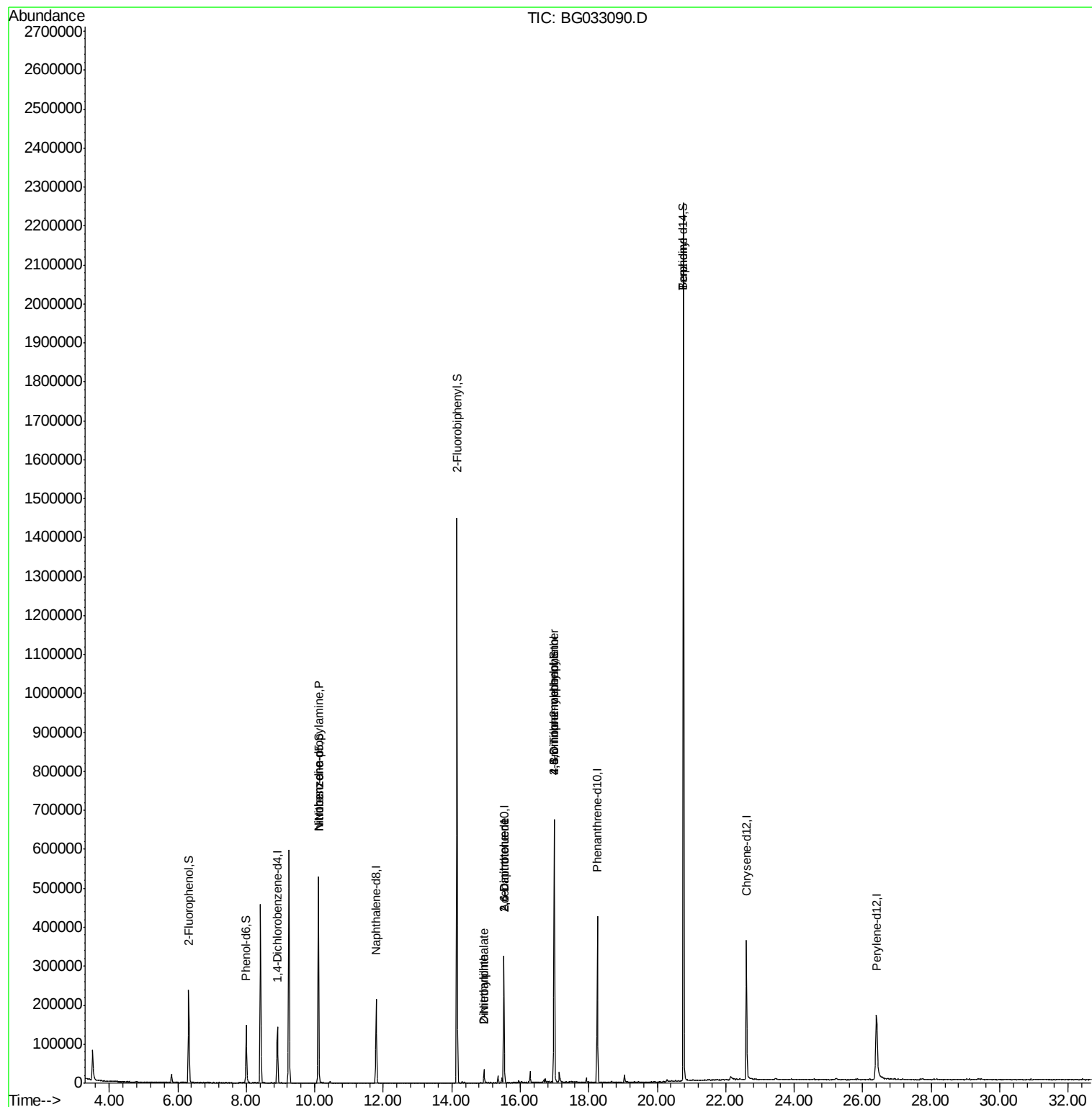
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	41798	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	189622	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110983	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	258606	20.00	ng	0.00
75) Chrysene-d12	22.60	240	248531	20.00	ng	0.00
86) Perylene-d12	26.40	264	251092	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	107641	41.20	ng	0.00
7) Phenol-d6	8.00	99	88380	24.27	ng	0.00
23) Nitrobenzene-d5	10.11	82	330807	116.86	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	125749	107.76	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	718950	93.43	ng	0.00
78) Terphenyl-d14	20.76	244	1076630	97.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	43948	17.094	ng	# 88
24) Nitrobenzene	10.10	77	987	6.663	ng	# 40
47) 2-Nitroaniline	14.94	65	173	9.911	ng	# 1
49) Dimethylphthalate	14.94	163	22880	2.428	ng	# 97
50) 2,6-Dinitrotoluene	15.52	165	14340	16.388	ng	# 21
56) 2,4-Dinitrotoluene	15.52	165	14340	14.586	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	187	5.256	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8707	3.184	ng	# 1
76) Benzidine	20.77	184	18634	2.200	ng	# 94

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

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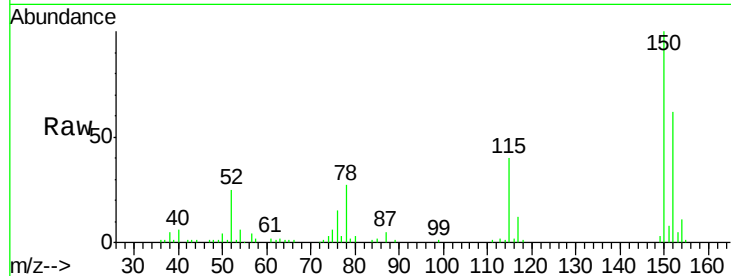


#1

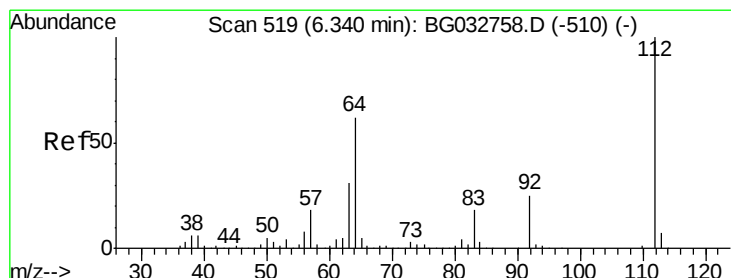
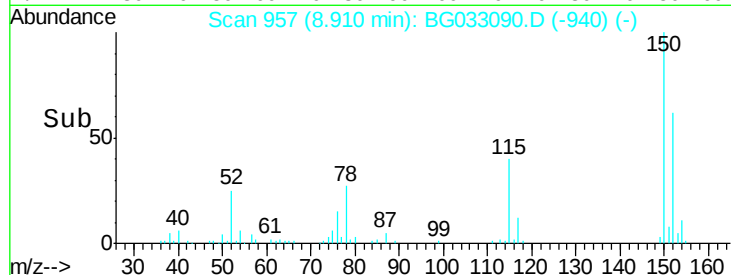
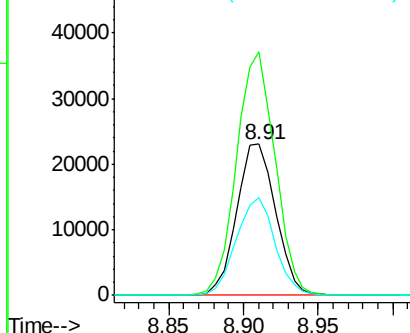
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 41798
Ion Ratio Lower Upper
152 100
150 161.3 126.6 189.8
115 64.6 53.0 79.4



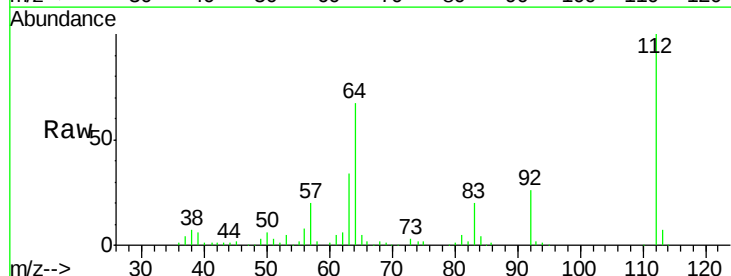
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



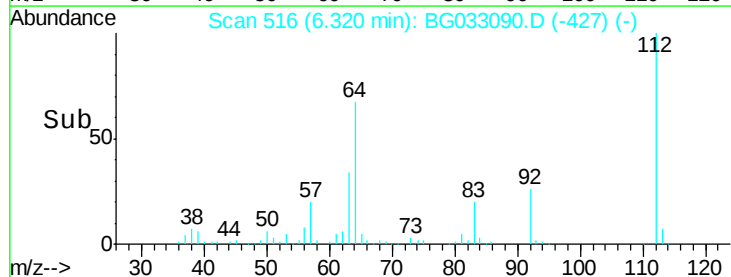
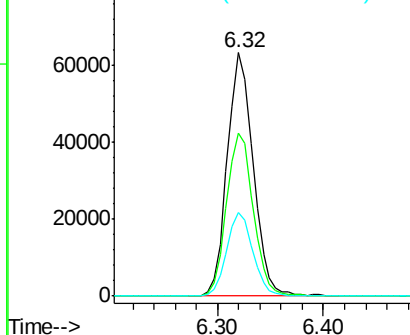
#5

2-Fluorophenol
Concen: 41.201 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Tgt Ion:112 Resp: 107641
Ion Ratio Lower Upper
112 100
64 66.9 56.3 84.5
63 34.3 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: 24.269 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033090.D

Acq: 12 Mar 2018 15:32

Instrument :

BNA_G

ClientSampleId :

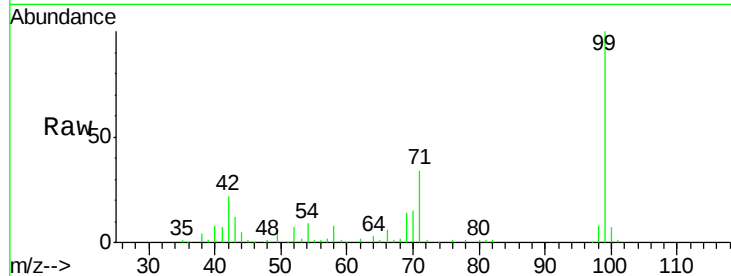
Tot Ion: 99 Resp: 88380

Ion Ratio Lower Upper

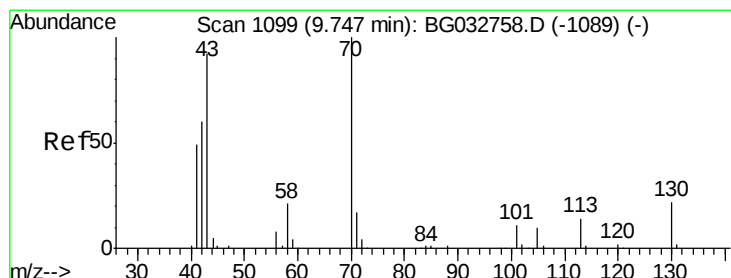
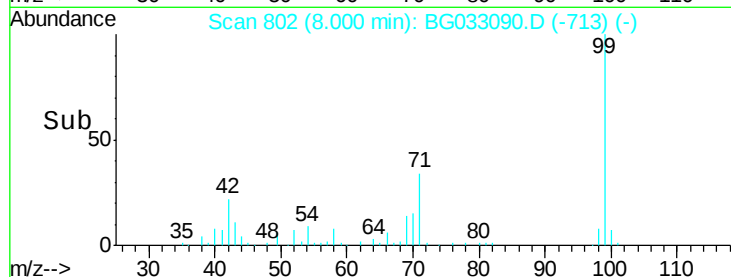
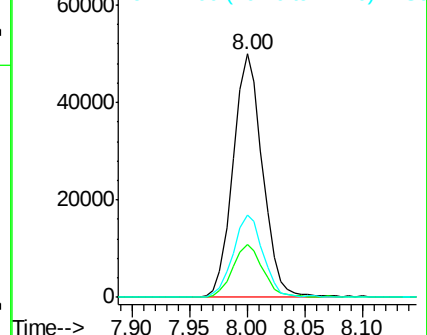
99 100

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: 17.094 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033090.D

Acq: 12 Mar 2018 15:32

Tgt Ion: 70 Resp: 43948

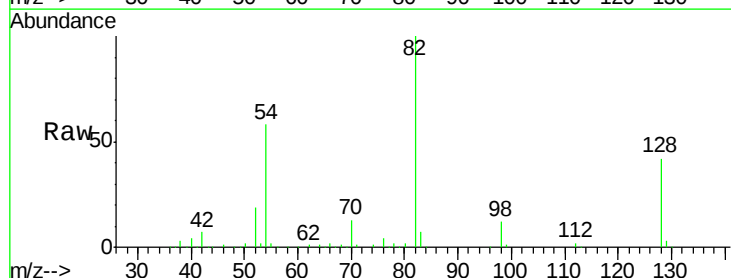
Ion Ratio Lower Upper

70 100

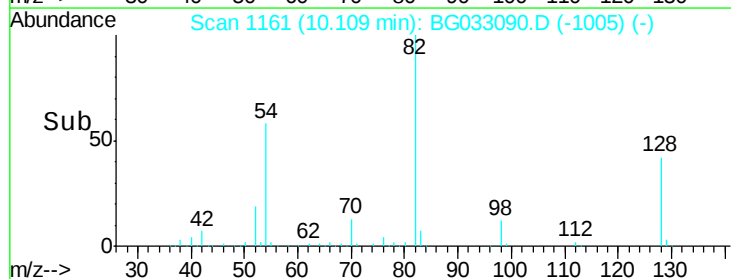
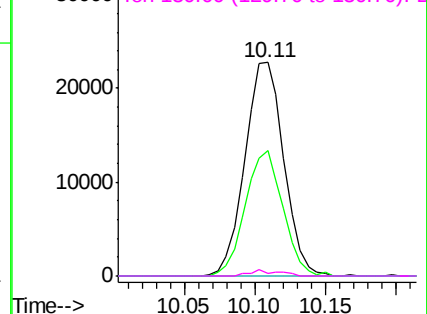
42 58.7 49.1 73.7

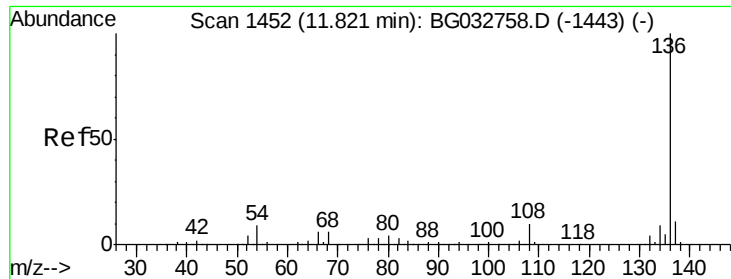
101 0.0 8.5 12.7#

130 1.5 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

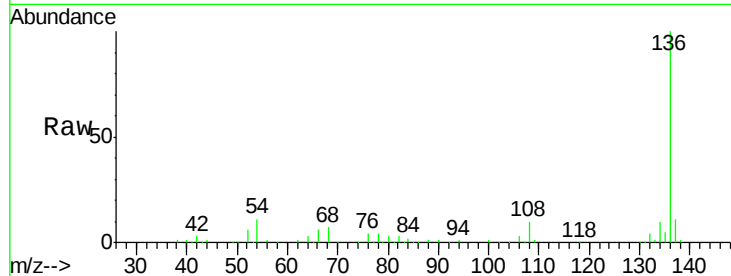




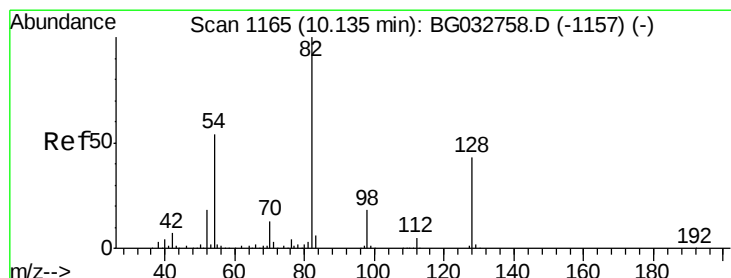
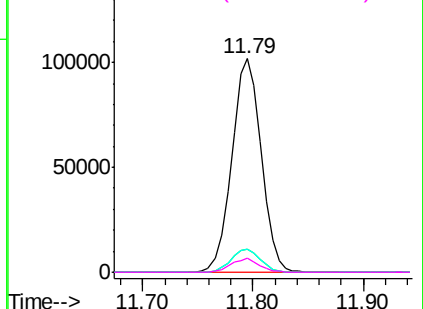
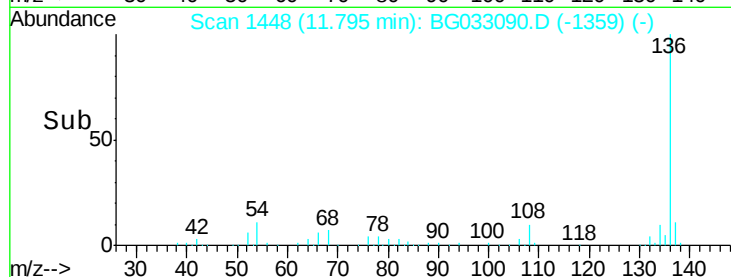
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	189622
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	10.6	10.3 15.5
68	6.7	4.5 6.7

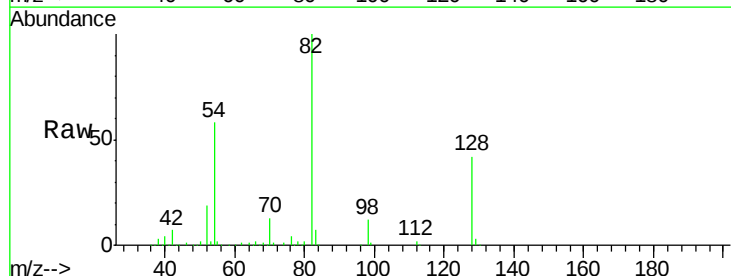


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

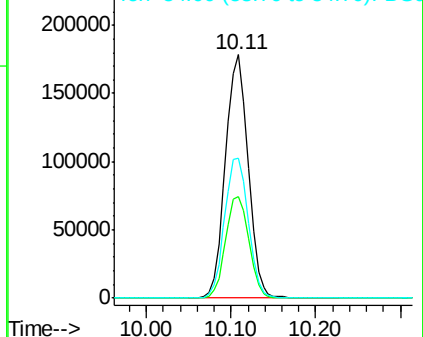
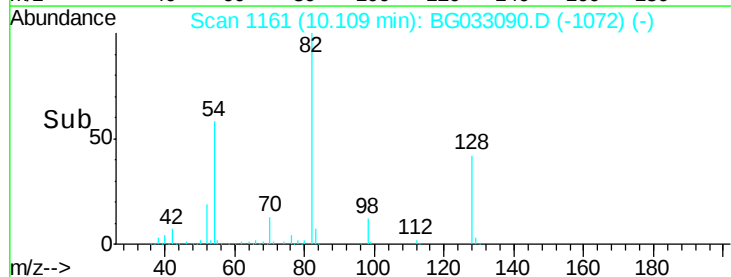


#23
Nitrobenzene-d5
Concen: 116.858 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Tgt Ion: 82	Resp:	330807
Ion Ratio	Lower	Upper
82	100	
128	41.5	29.7 44.5
54	57.7	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

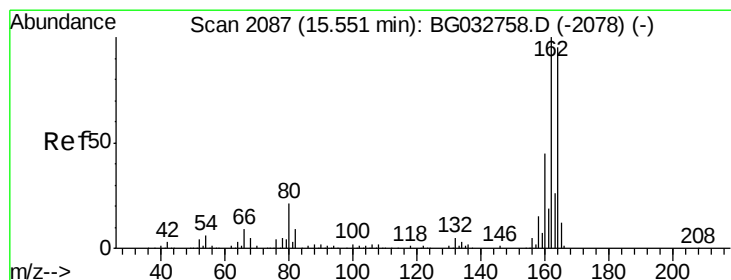
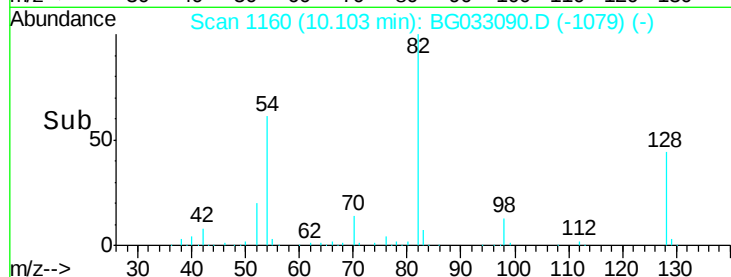
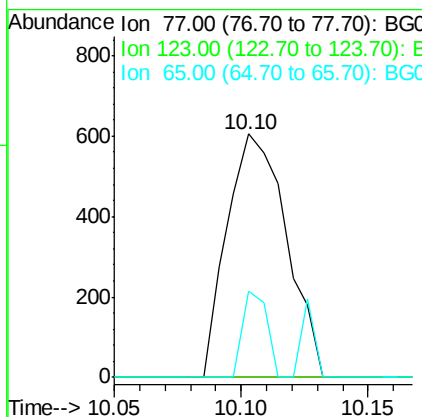
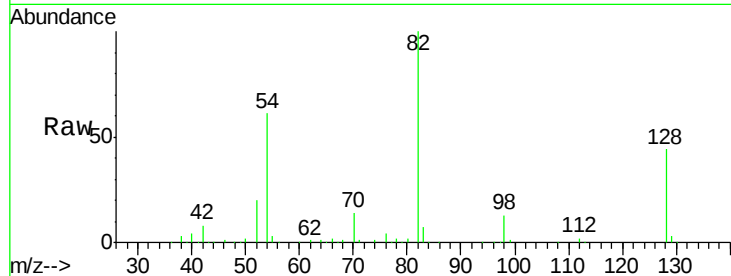




#24
Nitrobenzene
Concen: 6.663 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

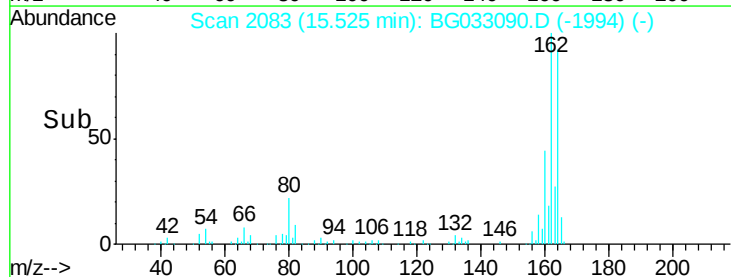
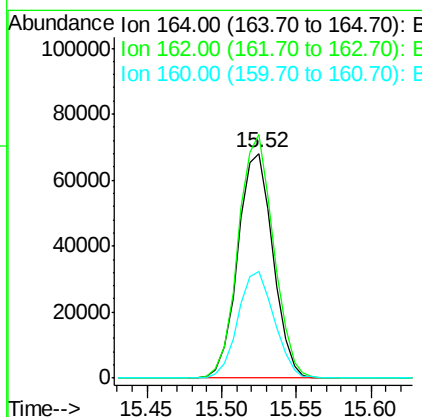
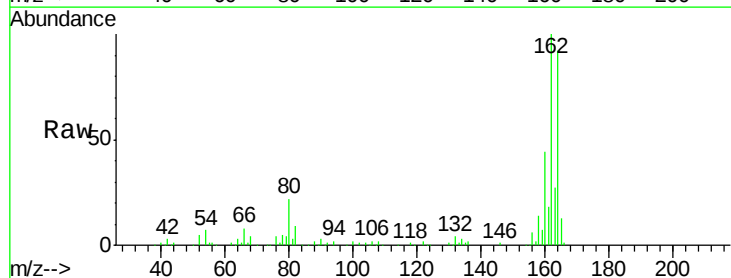
Instrument :
BNA_G
ClientSampleId :

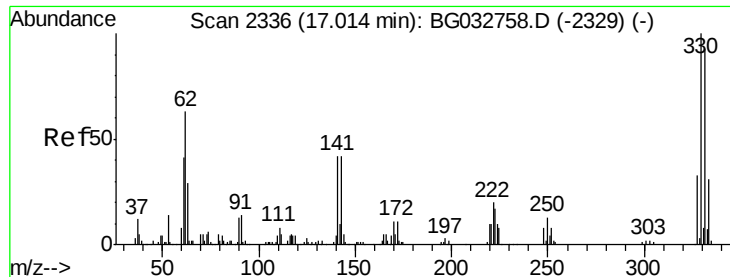
Tot Ion: 77 Resp: 987
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 35.5 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Tgt Ion:164 Resp: 110983
Ion Ratio Lower Upper
164 100
162 108.2 78.8 118.2
160 47.2 35.4 53.0

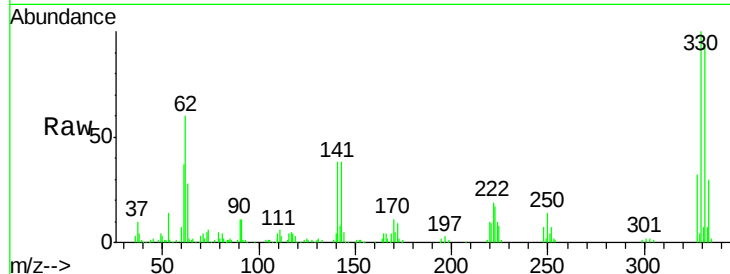




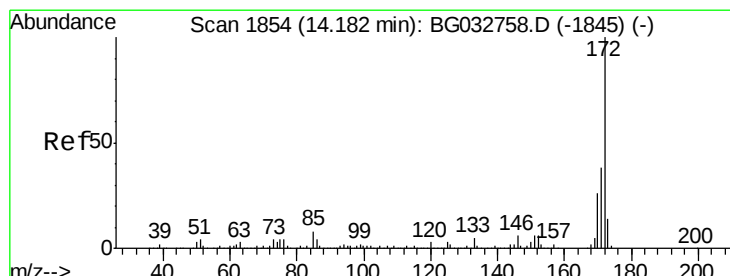
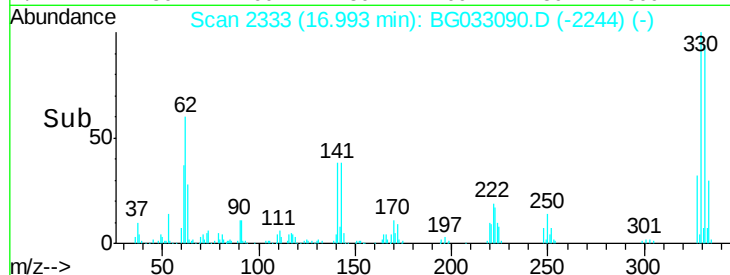
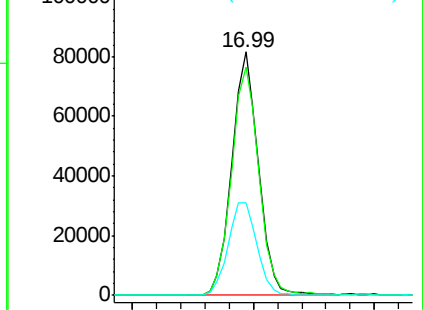
#41
 2,4,6-Tribromophenol
 Concen: 107.759 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 125749
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 41.2 25.2 37.8#

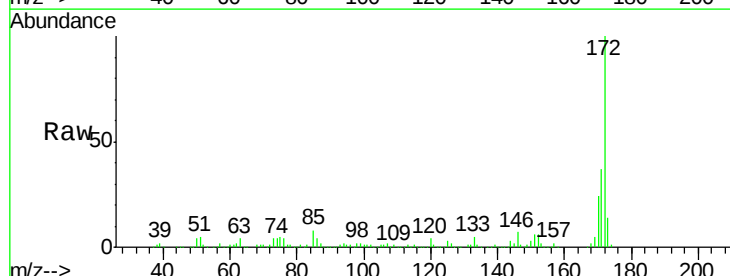


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

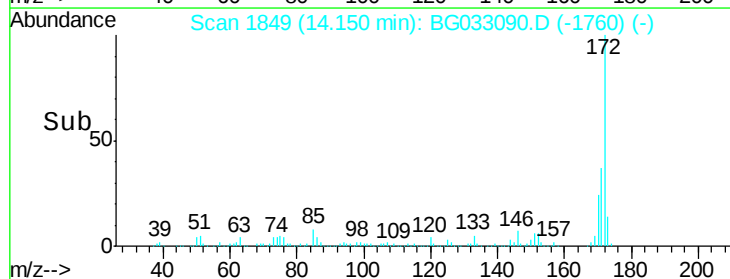
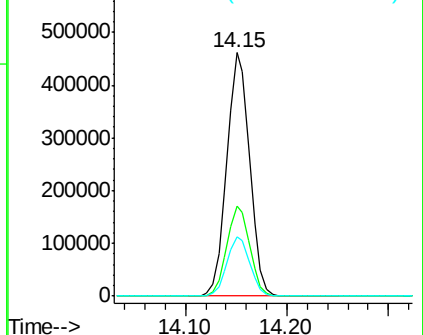


#44
 2-Fluorobiphenyl
 Concen: 93.429 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

Tgt Ion:172 Resp: 718950
 Ion Ratio Lower Upper
 172 100
 171 37.2 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: 9.911 ng

RT: 14.94 min Scan# 1984

Delta R.T. 0.34 min

Lab File: BG033090.D

Acq: 12 Mar 2018 15:32

Instrument :

BNA_G

ClientSampleId :

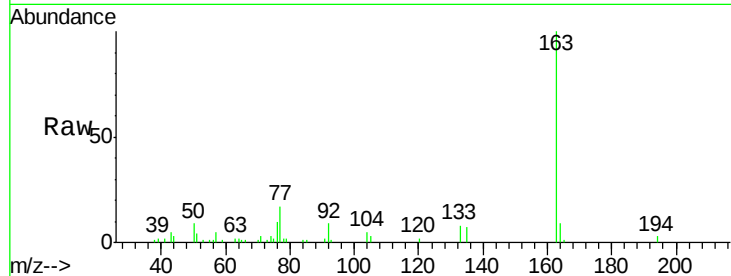
Tot Ion: 65 Resp: 173

Ion Ratio Lower Upper

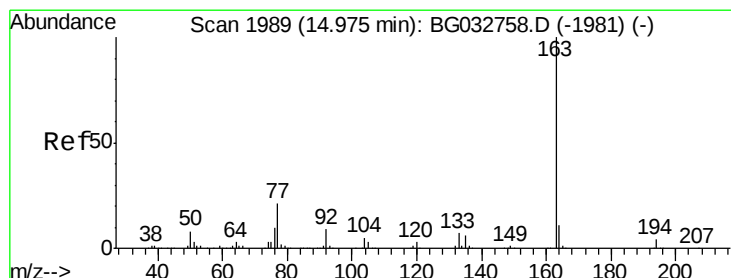
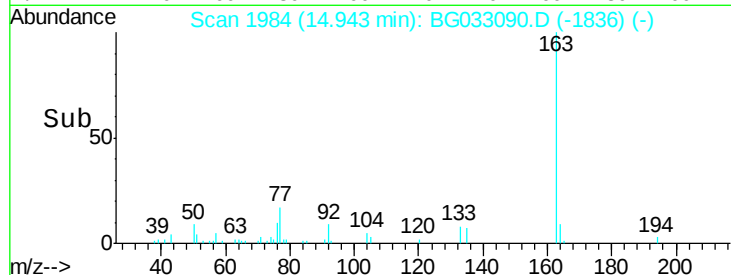
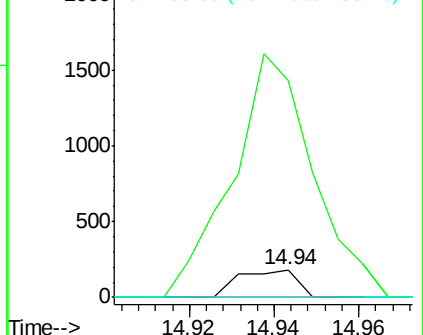
65 100

92 790.1 54.6 82.0#

138 0.0 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



#49

Dimethylphthalate

Concen: 2.428 ng

RT: 14.94 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG033090.D

Acq: 12 Mar 2018 15:32

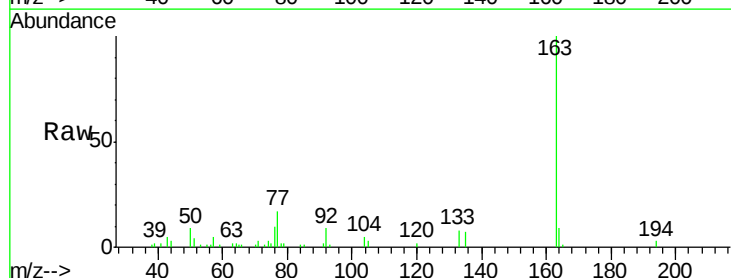
Tgt Ion: 163 Resp: 22880

Ion Ratio Lower Upper

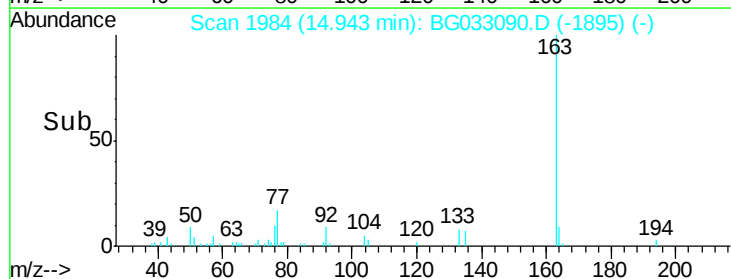
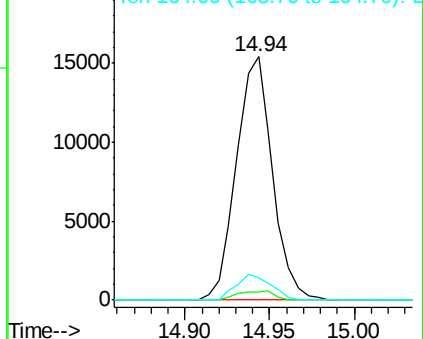
163 100

194 3.4 3.4 5.2#

164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

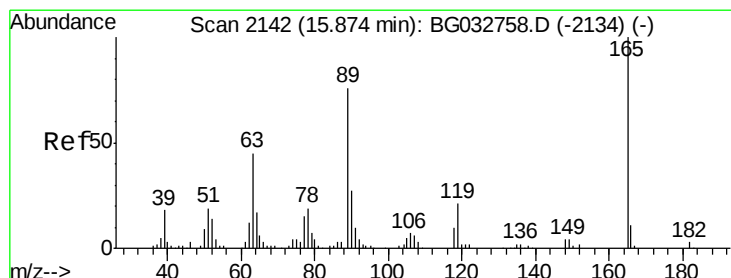
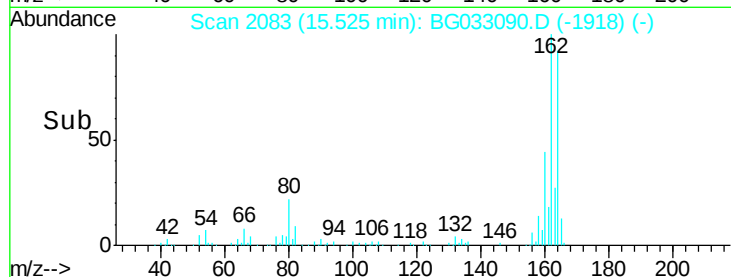
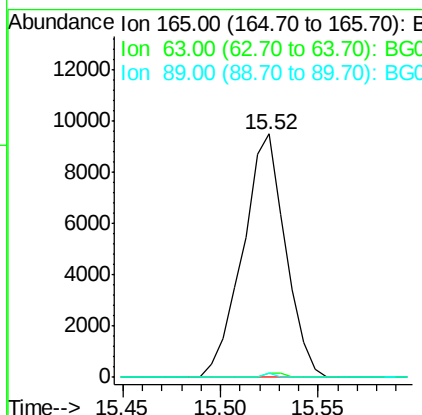
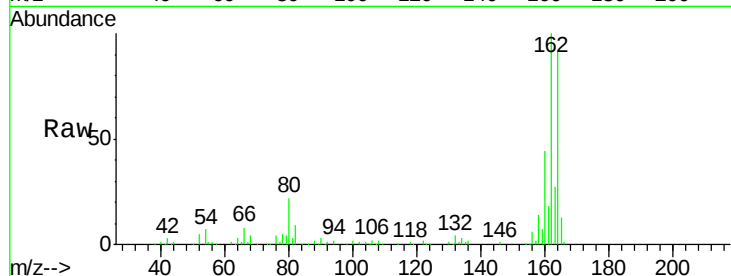




#50
2,6-Dinitrotoluene
Concen: 16.388 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

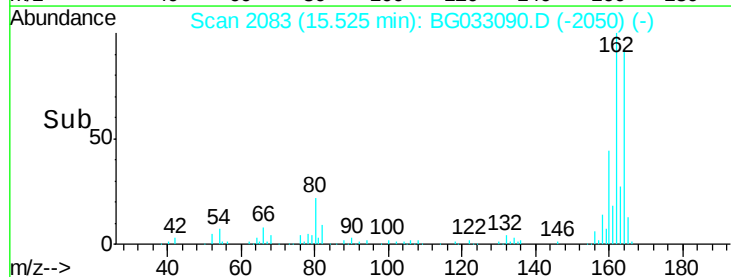
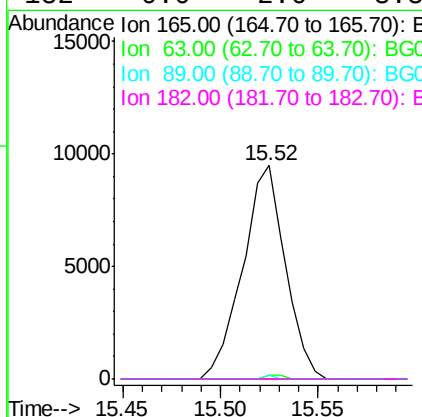
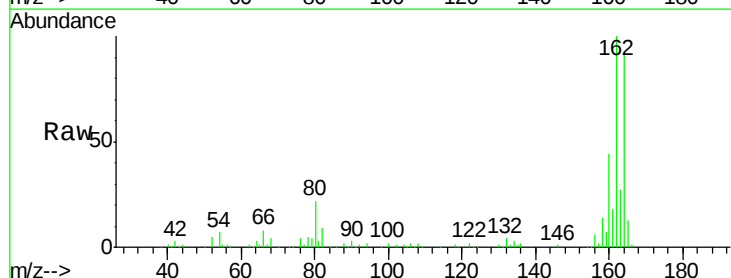
Instrument :
BNA_G
ClientSampleId :

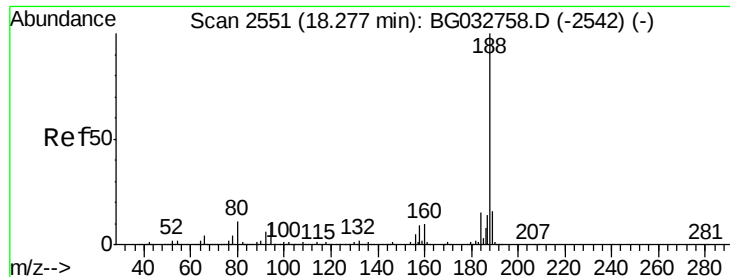
Tot Ion:165 Resp: 14340
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 1.8 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.586 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Tgt Ion:165 Resp: 14340
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#

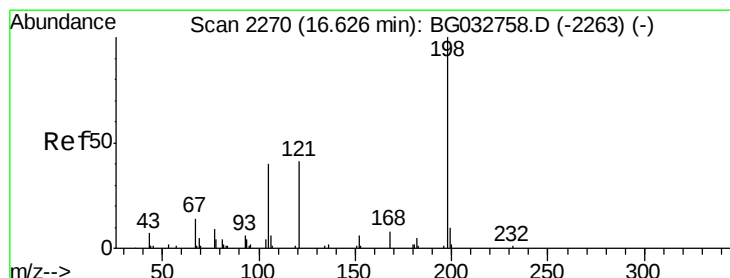
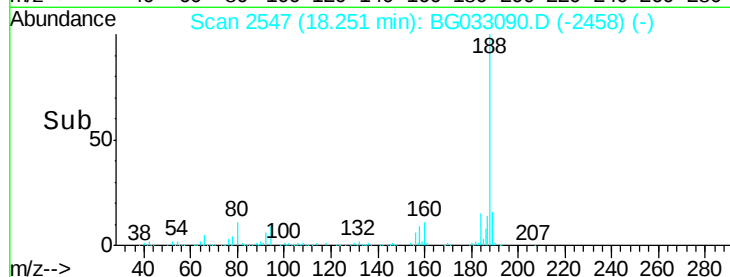
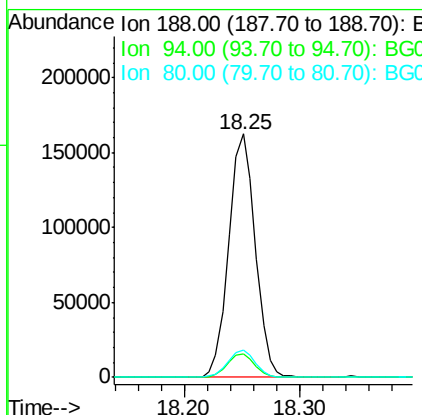
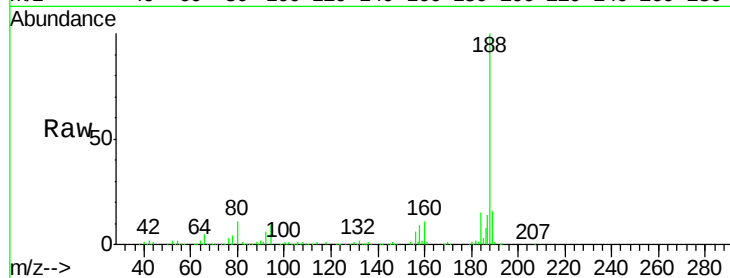




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

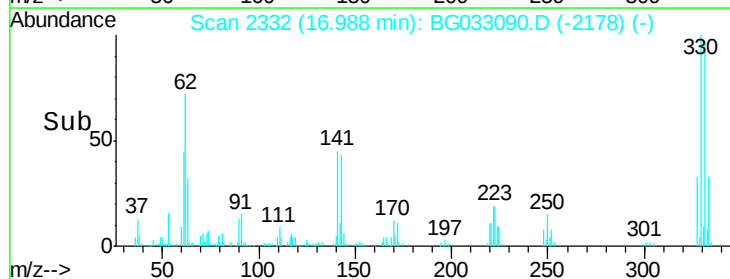
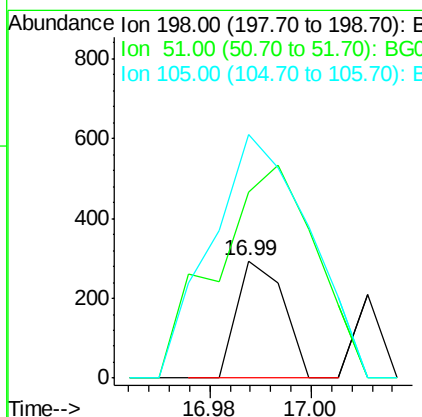
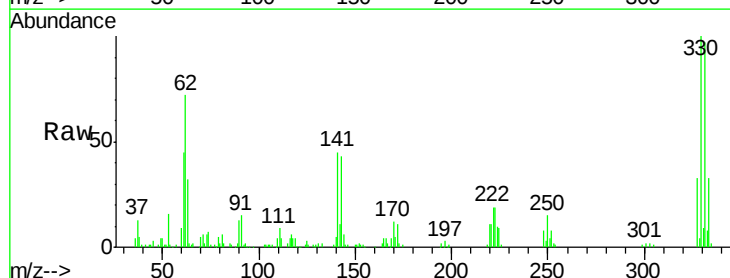
Instrument :
 BNA_G
 ClientSampleId :

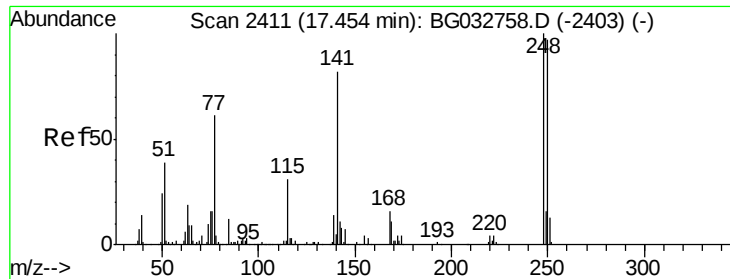
Tot Ion:188 Resp: 258606
 Ion Ratio Lower Upper
 188 100
 94 9.4 6.9 10.3
 80 11.4 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.256 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

Tgt Ion:198 Resp: 187
 Ion Ratio Lower Upper
 198 100
 51 159.4 30.6 70.6#
 105 208.2 23.8 63.8#

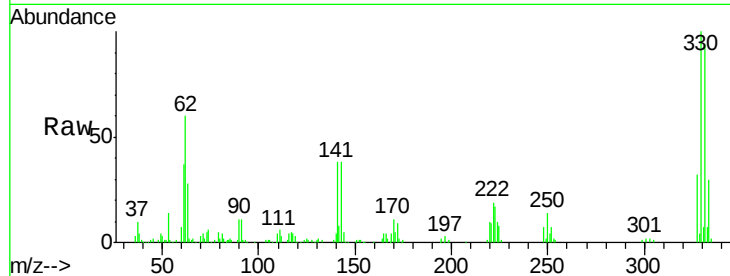




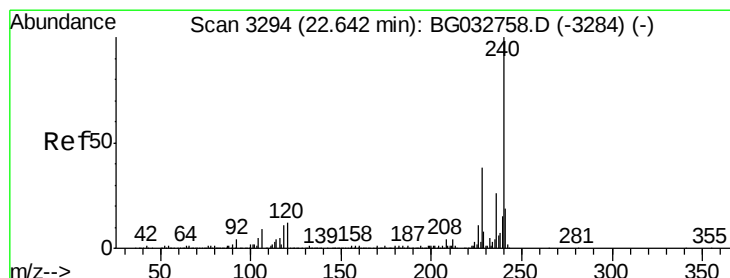
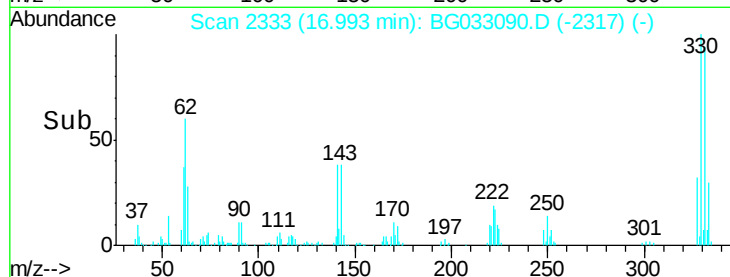
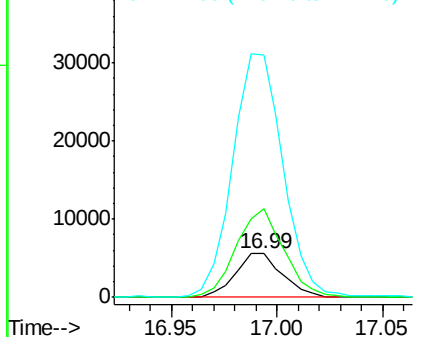
#66
 4-Bromophenyl-phenylether
 Concen: 3.184 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 8707
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.1 115.7#
 141 551.4 50.8 76.2#

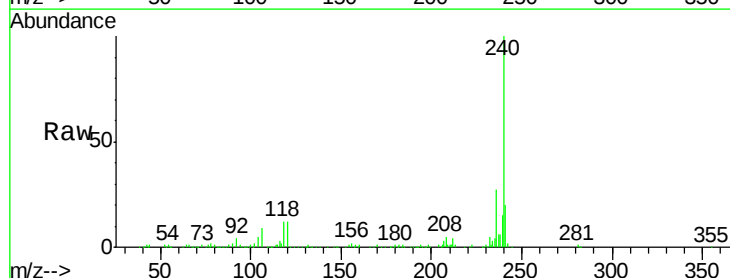


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

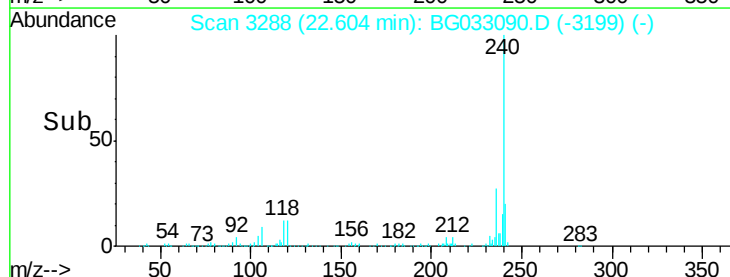
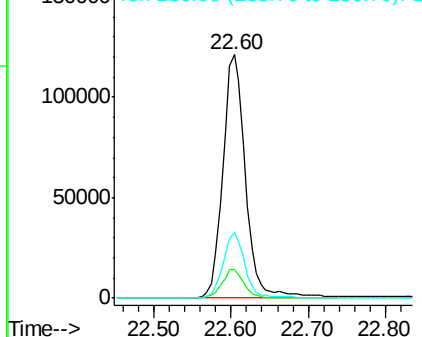


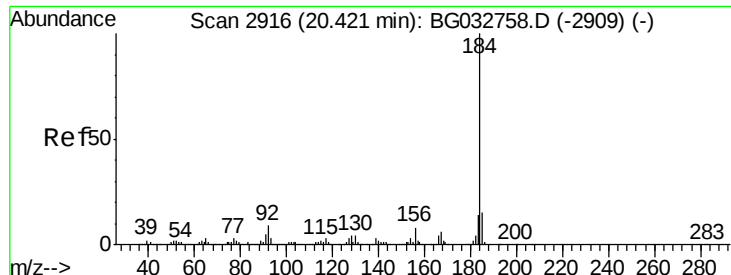
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033090.D
 Acq: 12 Mar 2018 15:32

Tgt Ion:240 Resp: 248531
 Ion Ratio Lower Upper
 240 100
 120 11.9 6.8 10.2#
 236 27.2 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

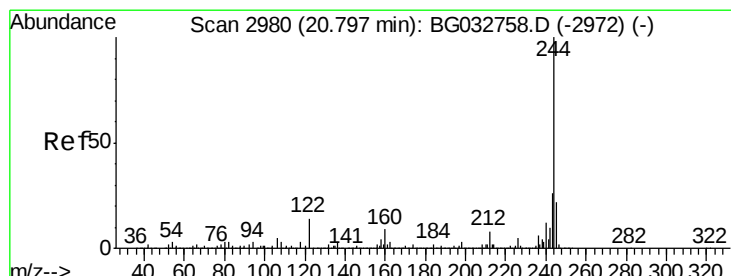
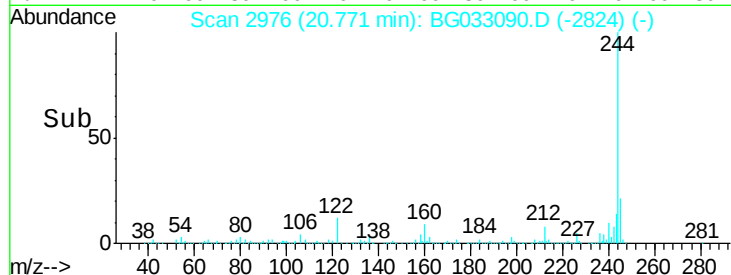
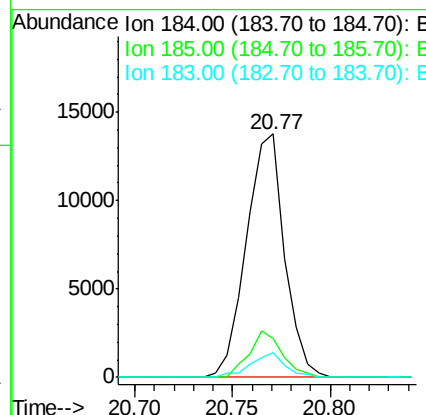
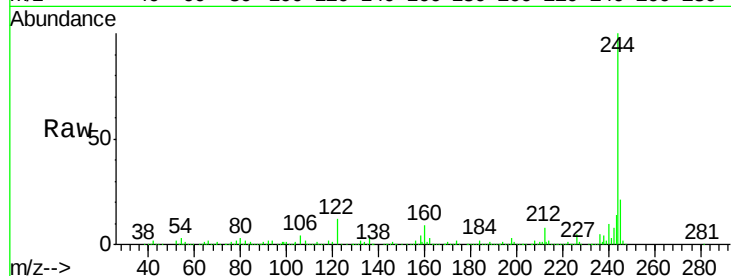




#76
Benzidine
Concen: 2.200 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.37 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

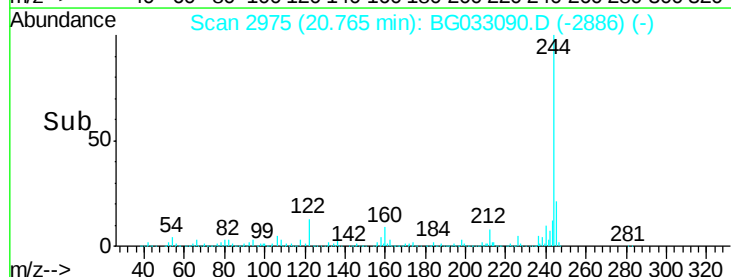
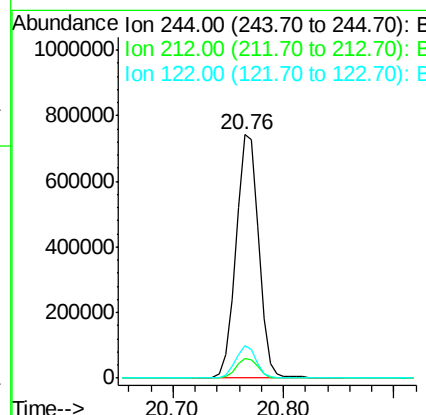
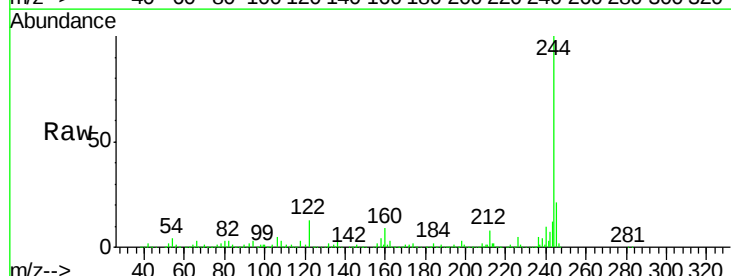
Instrument :
BNA_G
ClientSampleId :

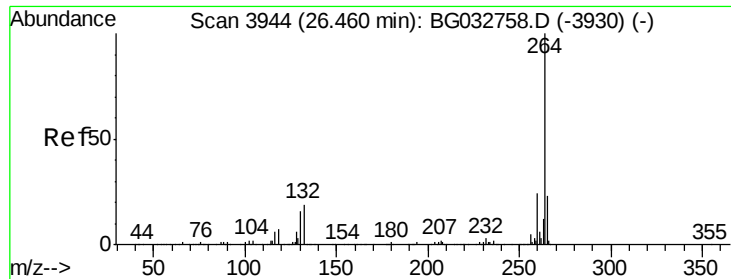
Tot Ion:184 Resp: 18634
Ion Ratio Lower Upper
184 100
185 15.7 11.1 16.7
183 9.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 97.328 ng
RT: 20.76 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Tgt Ion:244 Resp: 1076630
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 13.1 7.0 10.4#

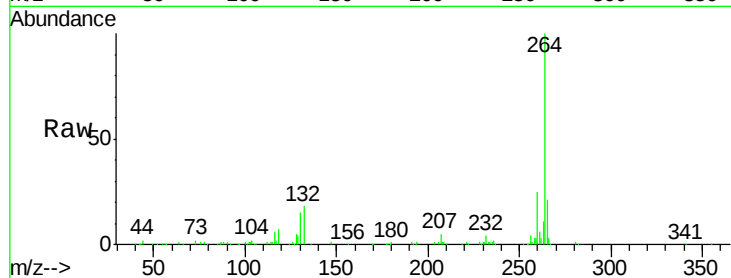




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033090.D
Acq: 12 Mar 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	20.6	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

