

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033094.D
 Acq On : 12 Mar 2018 18:03
 Operator : SJ/JU
 Sample : J1869-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:44:23 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

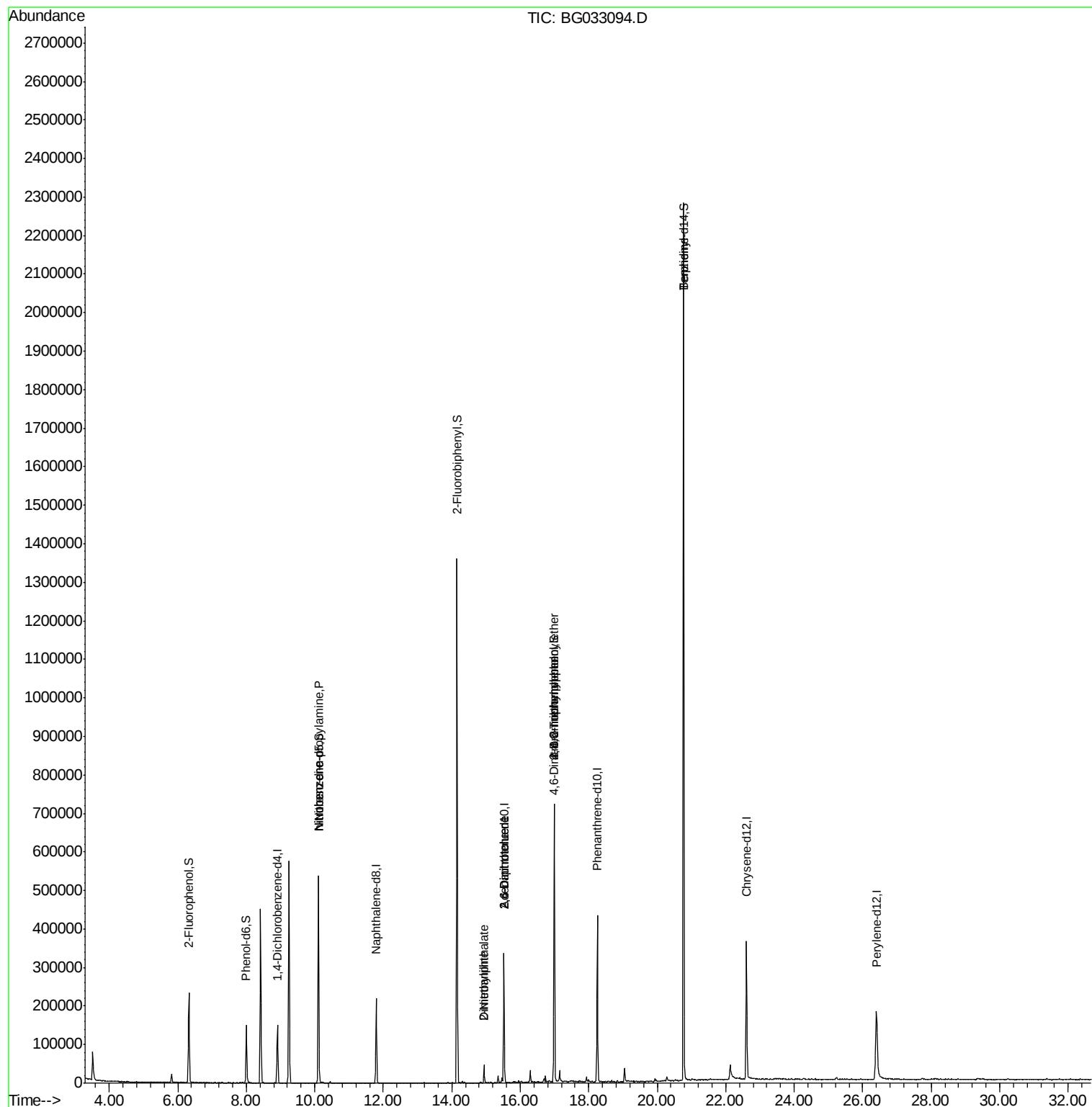
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	44281	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	192531	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	114198	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	260779	20.00	ng	0.00
75) Chrysene-d12	22.60	240	252286	20.00	ng	0.00
86) Perylene-d12	26.40	264	248172	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	108406	39.17	ng	0.00
7) Phenol-d6	8.00	99	90575	23.48	ng	0.00
23) Nitrobenzene-d5	10.11	82	335110	116.61	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	129210	107.61	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	721738	91.15	ng	0.00
78) Terphenyl-d14	20.77	244	1075039	95.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	43383	15.928	ng	# 85
24) Nitrobenzene	10.11	77	1113	6.695	ng	# 47
47) 2-Nitroaniline	14.94	65	315	9.969	ng	# 1
49) Dimethylphthalate	14.94	163	28895	2.980	ng	99
50) 2,6-Dinitrotoluene	15.52	165	15009	16.516	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	15009	14.715	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.98	198	159	5.208	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8516	3.088	ng	# 1
76) Benzidine	20.77	184	18401	2.140	ng	# 90

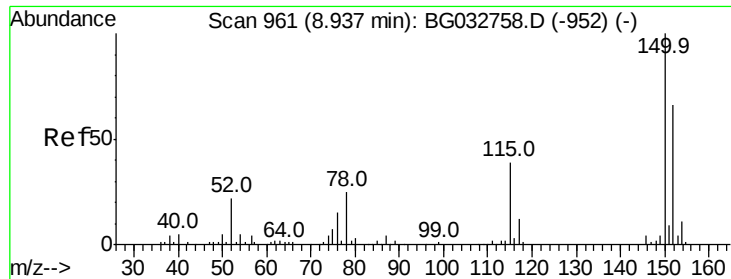
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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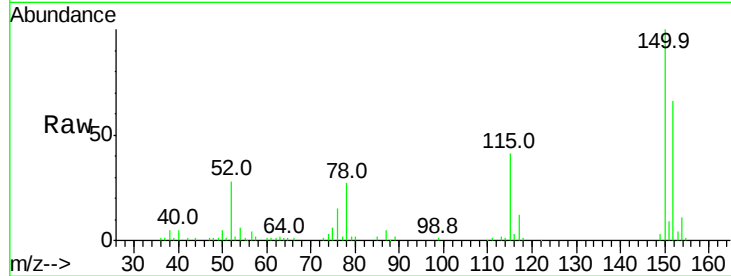


#1

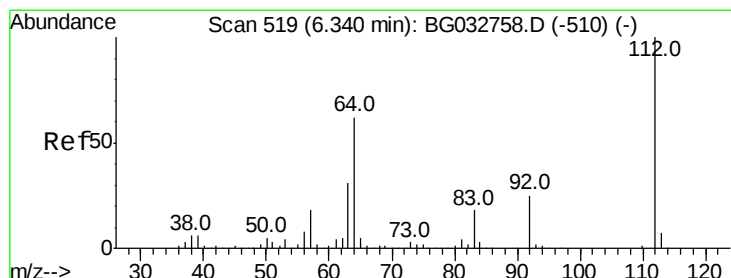
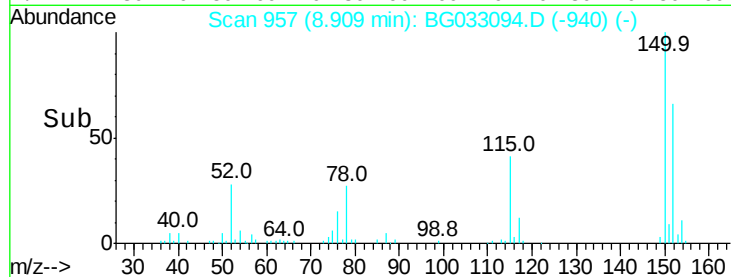
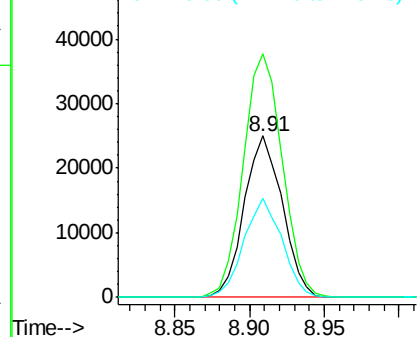
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44281
Ion Ratio Lower Upper
152 100
150 151.1 126.6 189.8
115 61.7 53.0 79.4



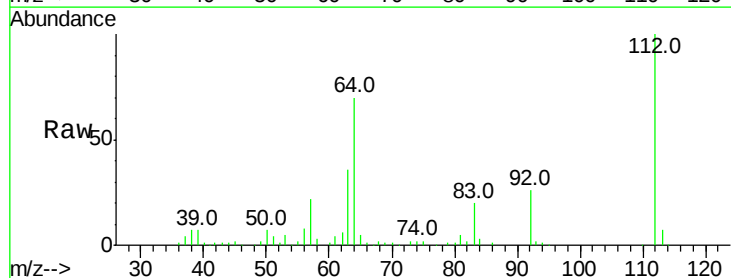
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



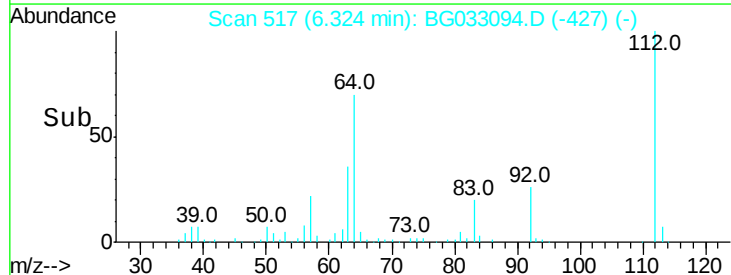
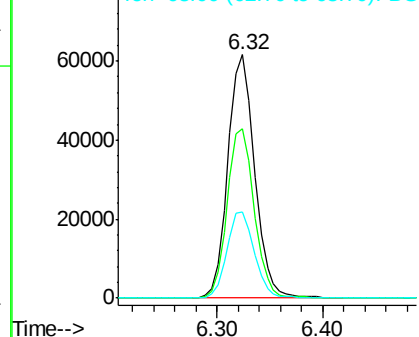
#5

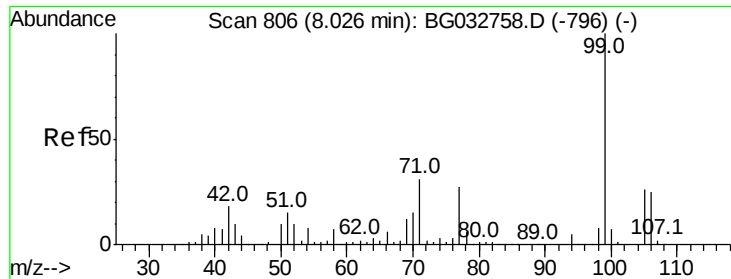
2-Fluorophenol
Concen: 39.167 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion:112 Resp: 108406
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 35.6 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: 23.478 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

Instrument :

BNA_G

ClientSampleId :

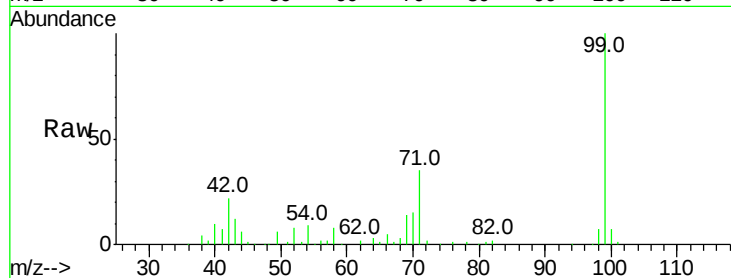
Tot Ion: 99 Resp: 90575

Ion Ratio Lower Upper

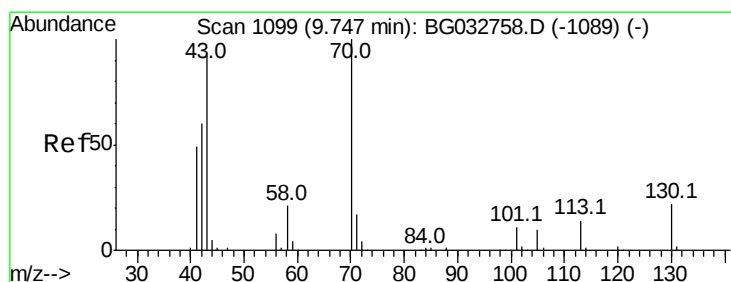
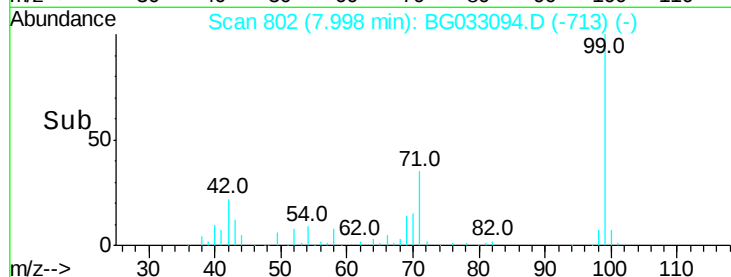
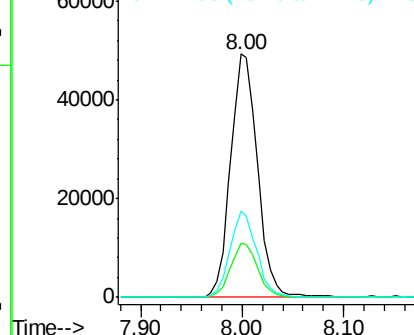
99 100

42 22.4 14.1 21.1#

71 35.3 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: 15.928 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

Tgt Ion: 70 Resp: 43383

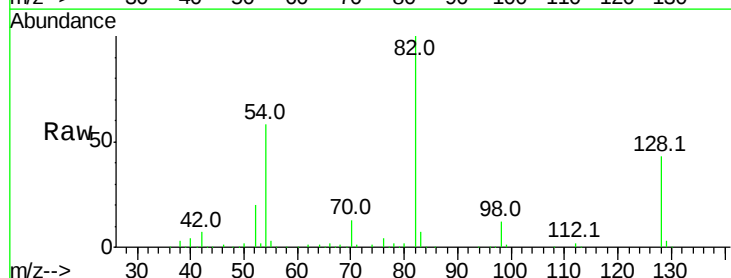
Ion Ratio Lower Upper

70 100

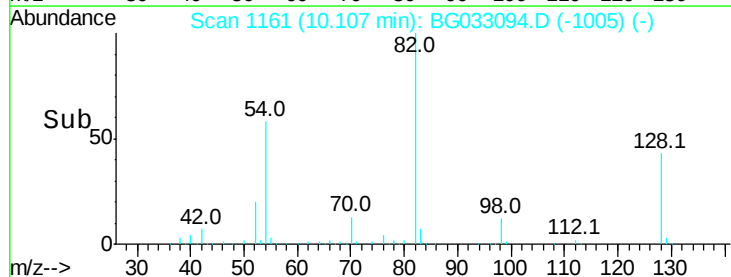
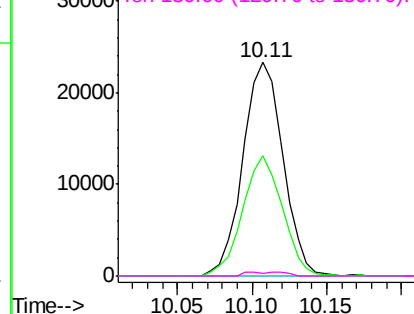
42 56.2 49.1 73.7

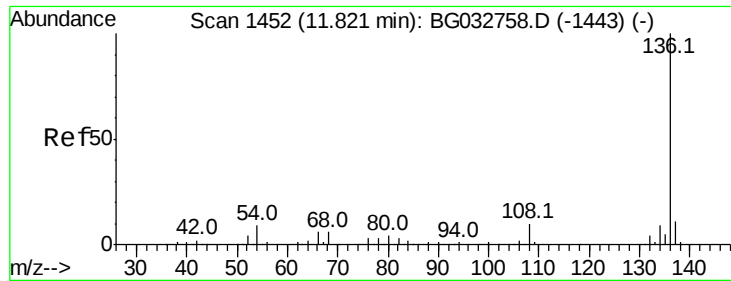
101 0.0 8.5 12.7#

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

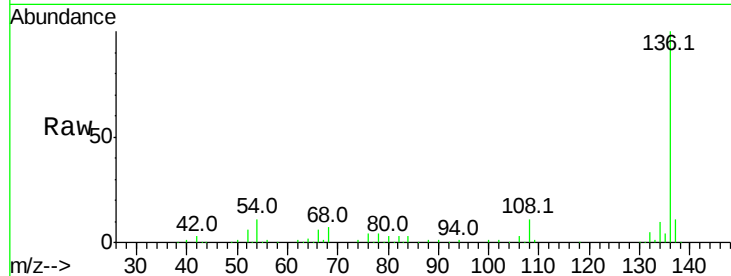




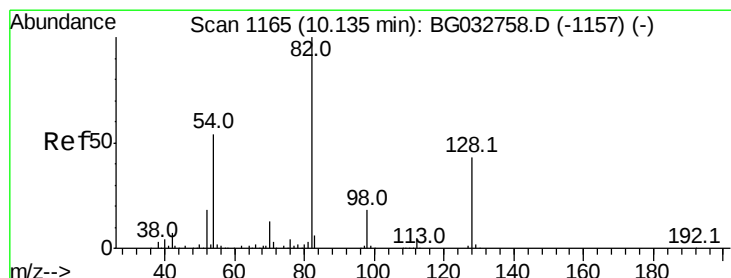
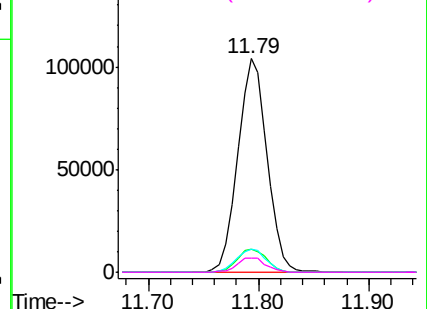
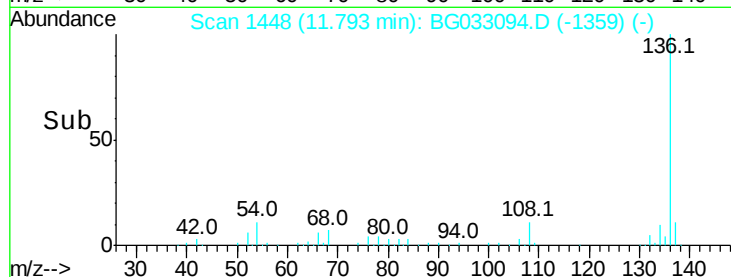
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	192531
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	11.1	10.3 15.5
68	6.8	4.5 6.7#

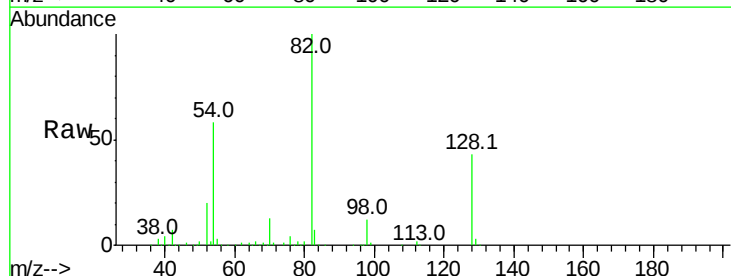


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

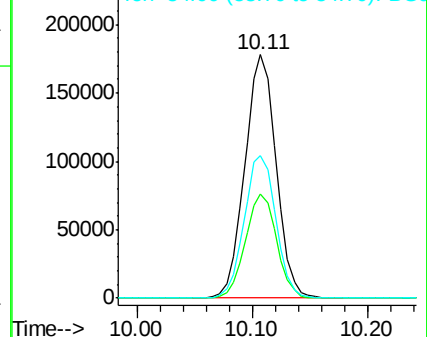
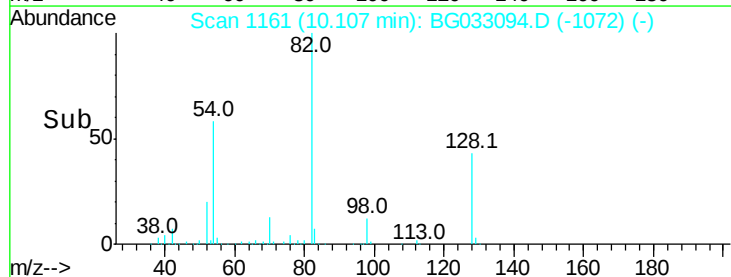


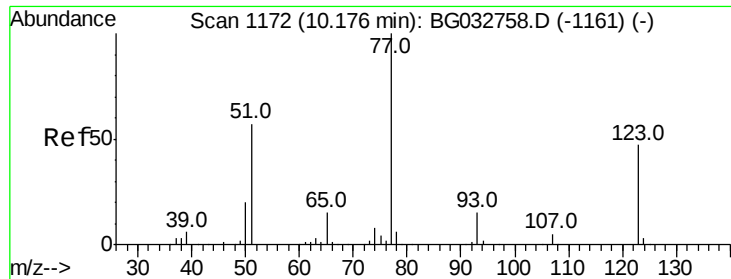
#23
Nitrobenzene-d5
Concen: 116.612 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion: 82	Resp:	335110
Ion Ratio	Lower	Upper
82	100	
128	42.7	29.7 44.5
54	58.5	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

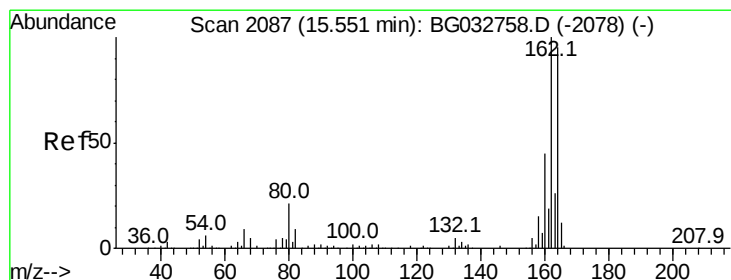
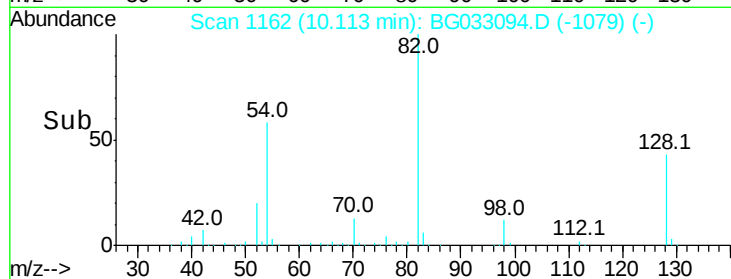
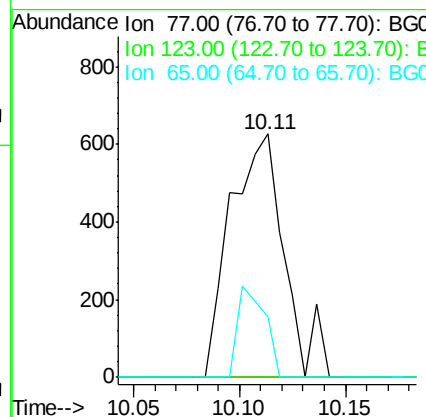
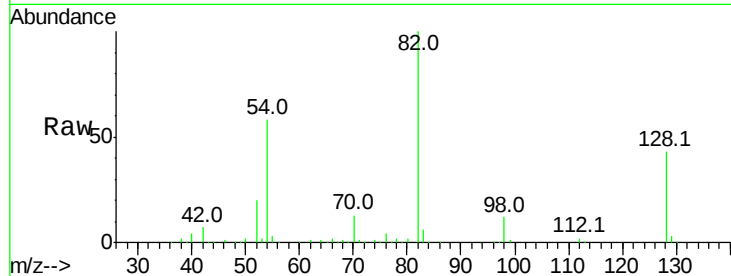




#24
Nitrobenzene
Concen: 6.695 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.04 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

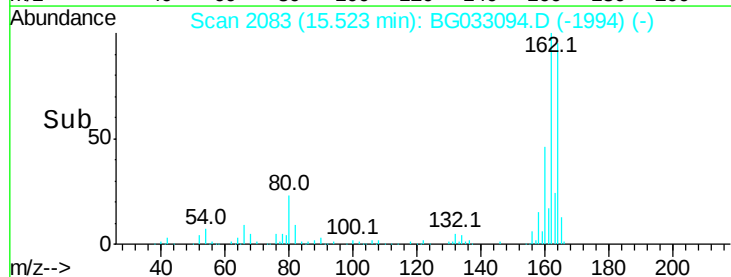
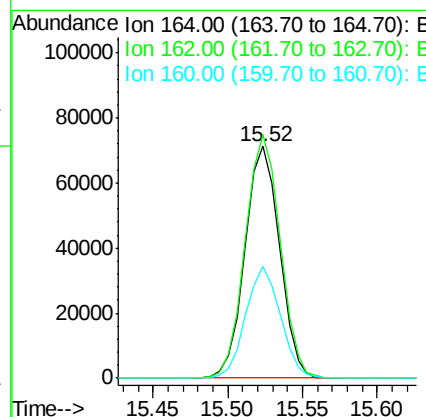
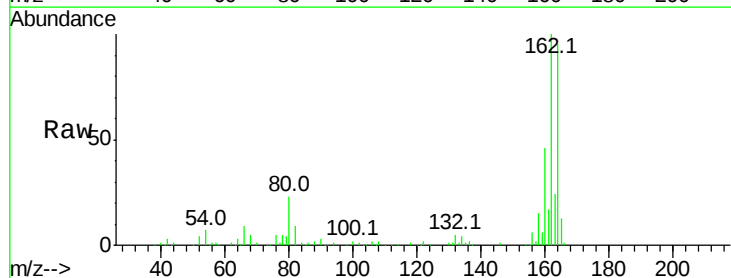
Instrument :
BNA_G
ClientSampled :

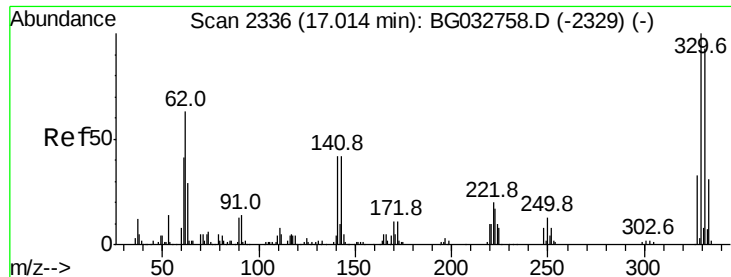
Tot Ion: 77 Resp: 1113
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 24.7 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion:164 Resp: 114198
Ion Ratio Lower Upper
164 100
162 105.0 78.8 118.2
160 48.2 35.4 53.0

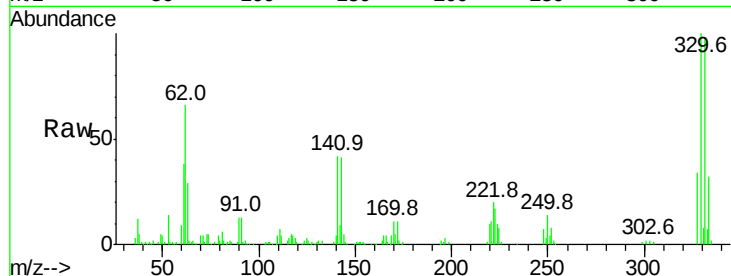




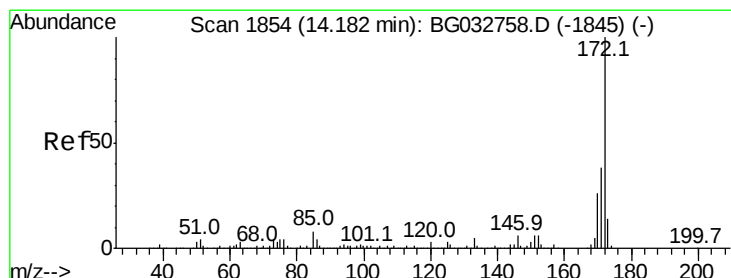
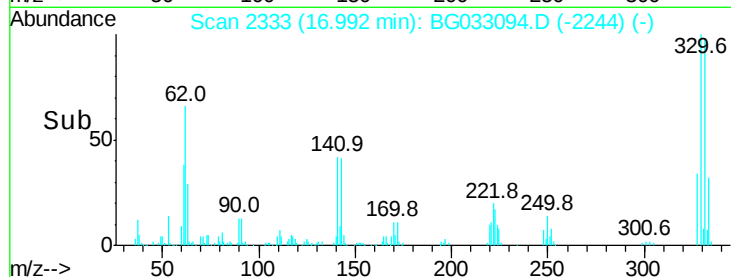
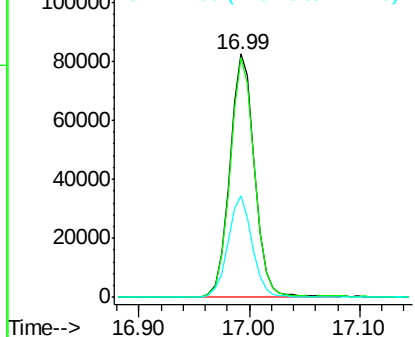
#41
 2,4,6-Tribromophenol
 Concen: 107.608 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033094.D
 Acq: 12 Mar 2018 18:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 129210
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 41.5 25.2 37.8#

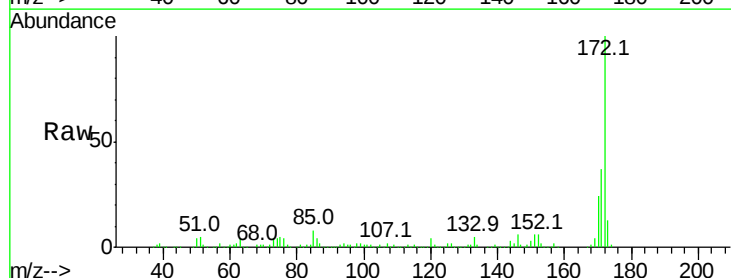


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

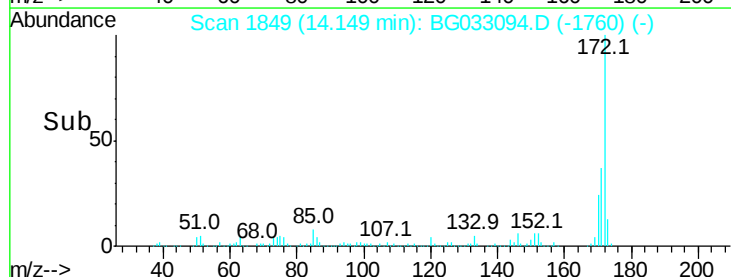
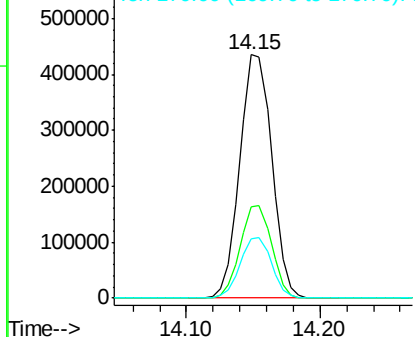


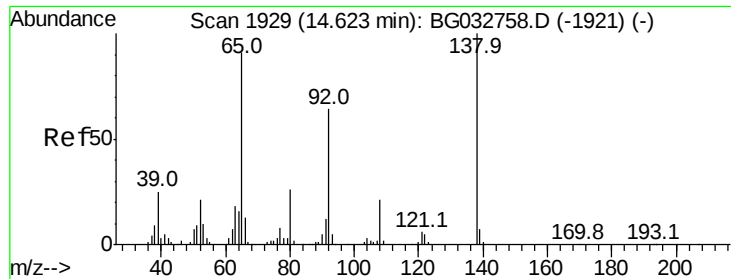
#44
 2-Fluorobiphenyl
 Concen: 91.151 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BG033094.D
 Acq: 12 Mar 2018 18:03

Tgt Ion:172 Resp: 721738
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.1 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: 9.969 ng

RT: 14.94 min Scan# 1984

Delta R.T. 0.34 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

Instrument :

BNA_G

ClientSampled :

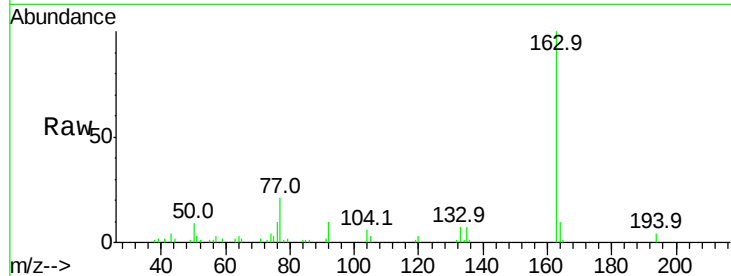
Tot Ion: 65 Resp: 315

Ion Ratio Lower Upper

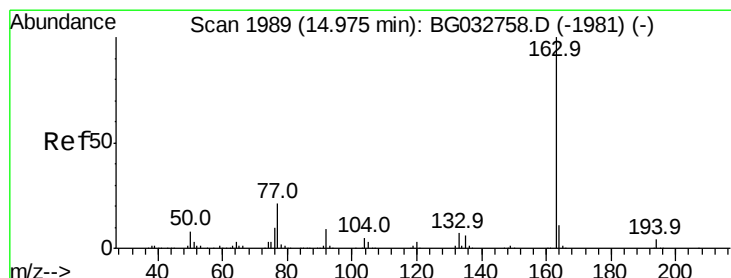
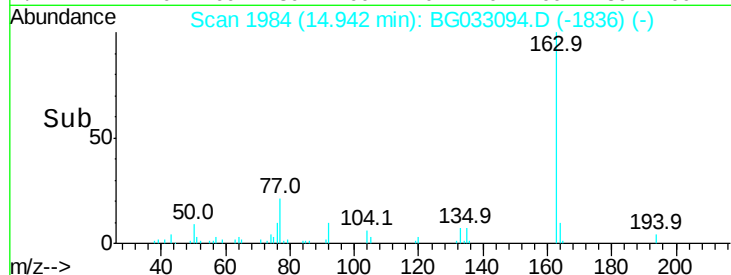
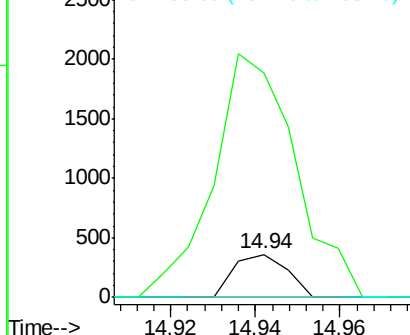
65 100

92 521.0 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: 2.980 ng

RT: 14.94 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

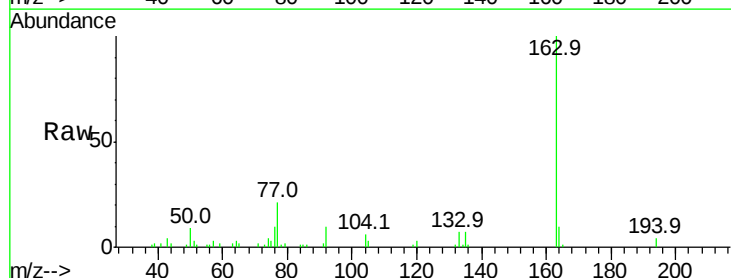
Tgt Ion:163 Resp: 28895

Ion Ratio Lower Upper

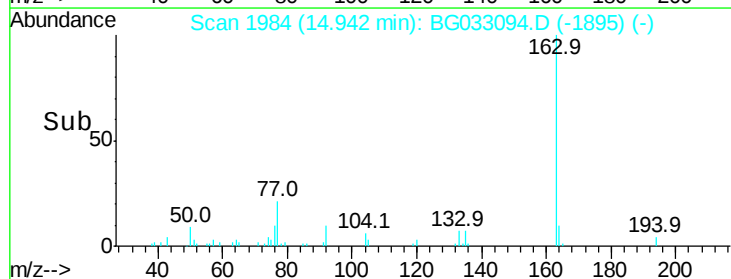
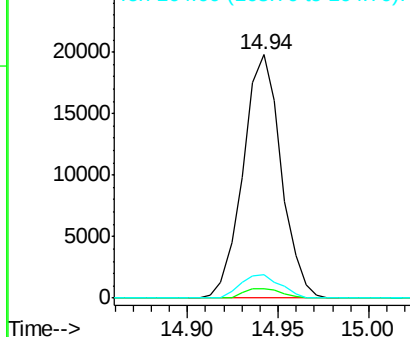
163 100

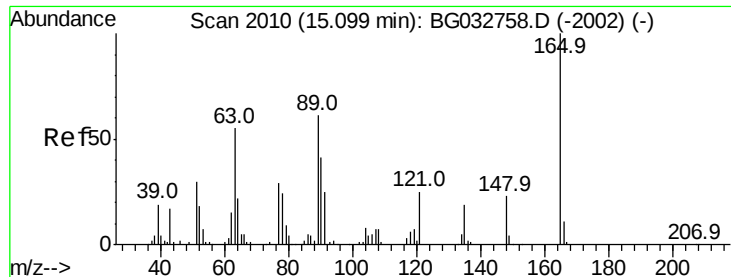
194 3.8 3.4 5.2

164 9.8 8.2 12.4



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

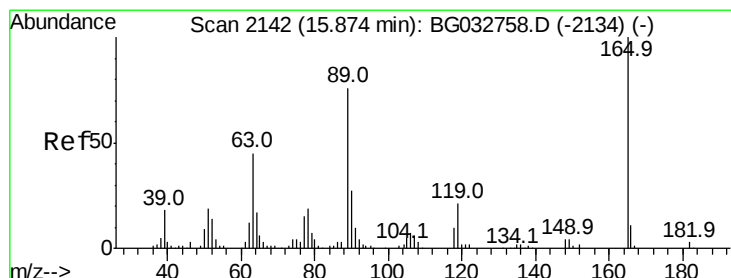
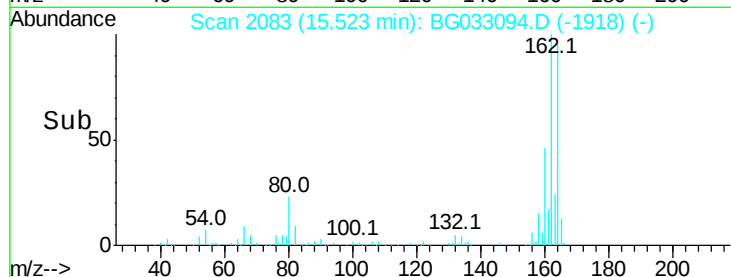
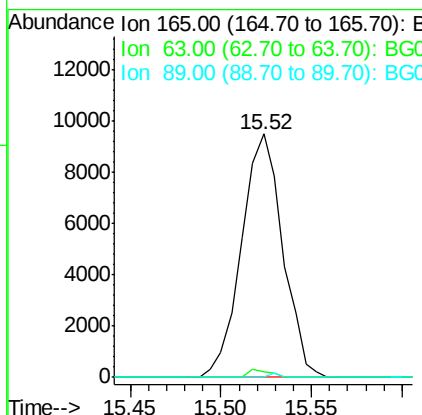
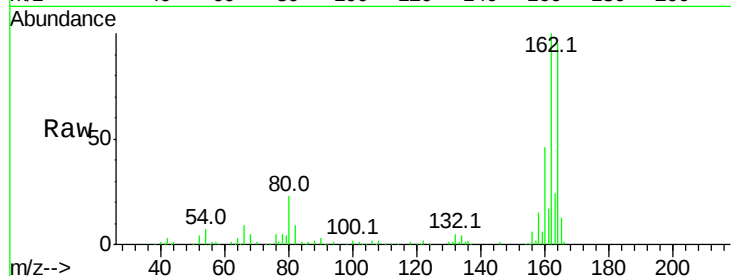




#50
2,6-Dinitrotoluene
Concen: 16.516 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

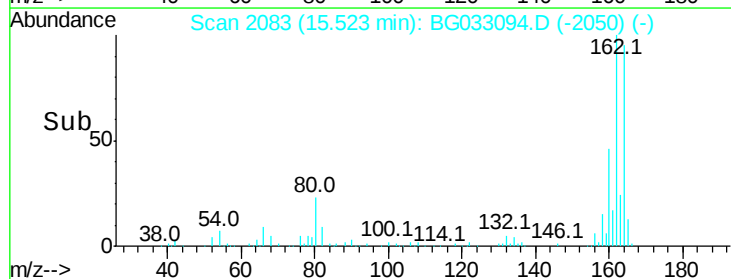
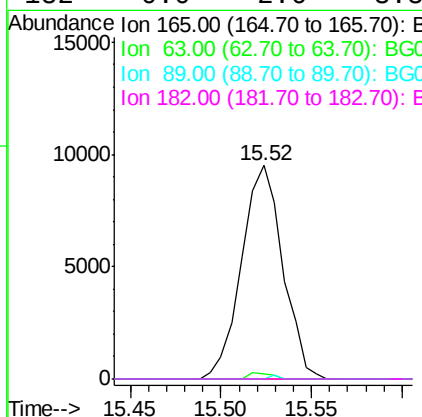
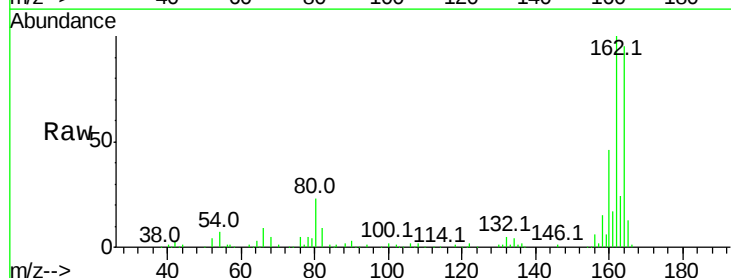
Instrument :
BNA_G
ClientSampleId :

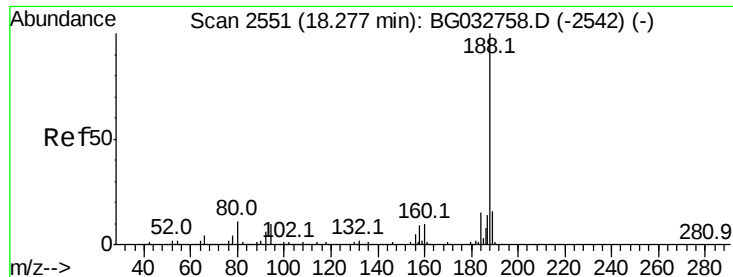
Tot Ion:165 Resp: 15009
Ion Ratio Lower Upper
165 100
63 2.3 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.715 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.34 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion:165 Resp: 15009
Ion Ratio Lower Upper
165 100
63 2.3 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

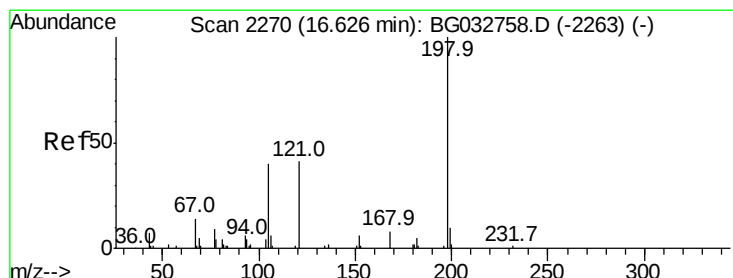
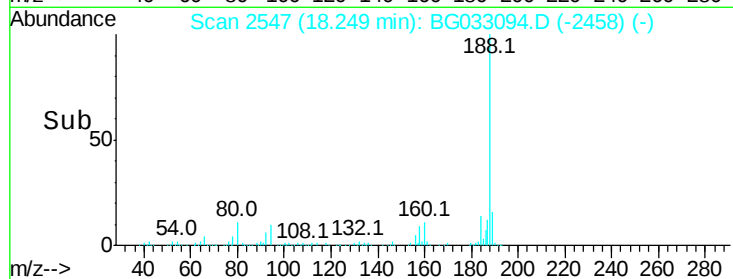
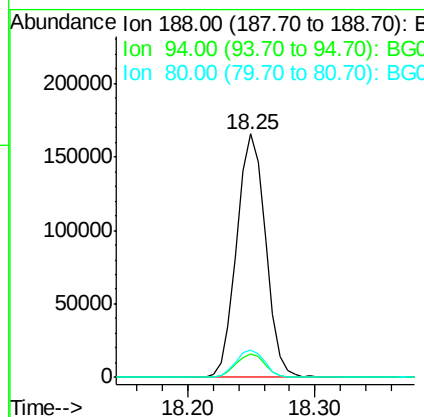
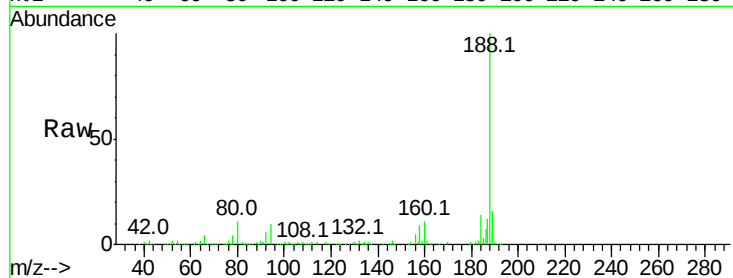




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

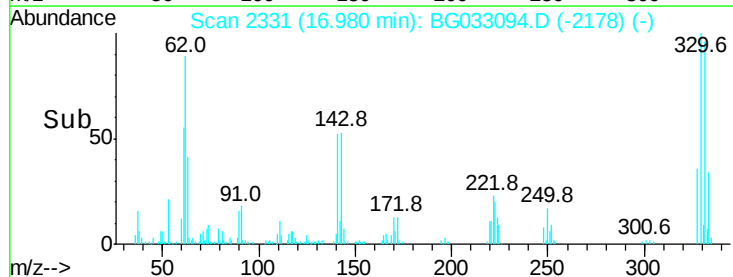
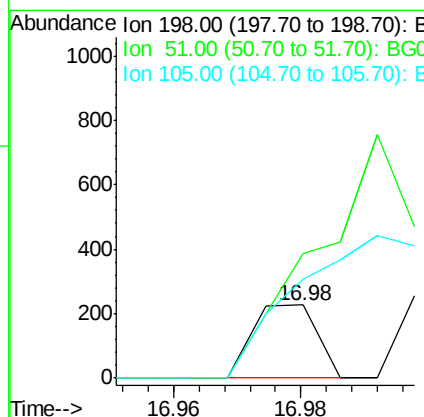
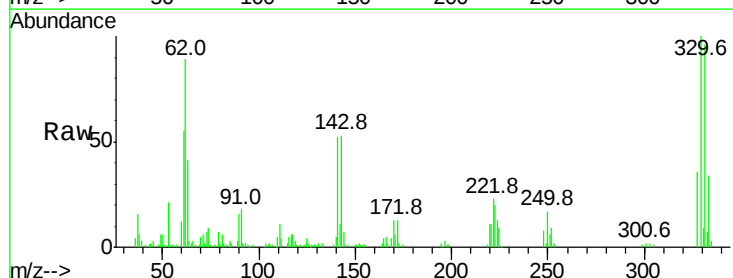
Instrument :
BNA_G
ClientSampleId :

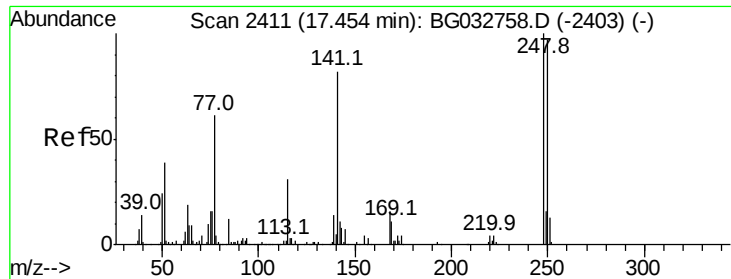
Tot Ion:188 Resp: 260779
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 11.4 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.208 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.37 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion:198 Resp: 159
Ion Ratio Lower Upper
198 100
51 169.6 30.6 70.6#
105 134.8 23.8 63.8#

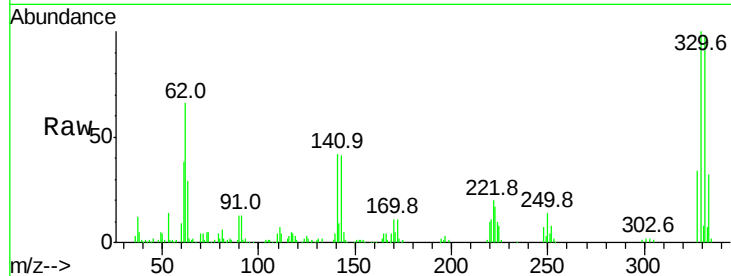




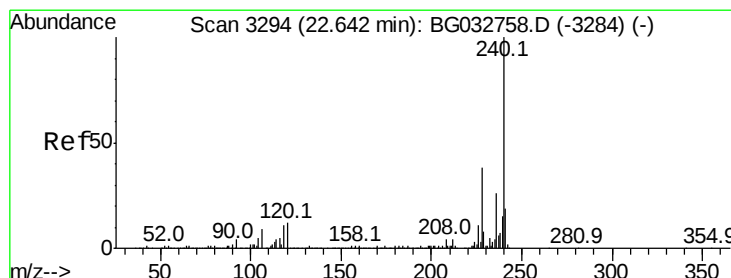
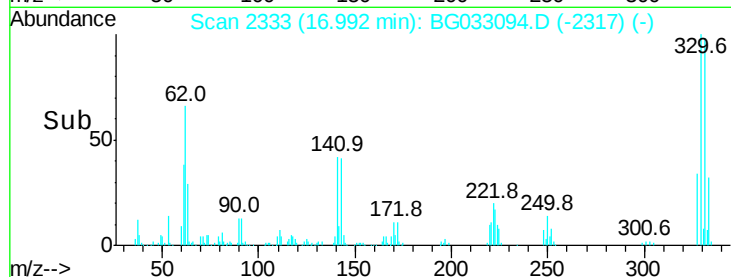
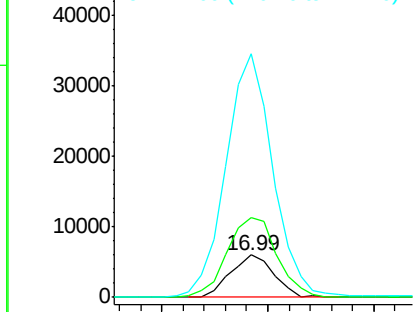
#66
4-Bromophenyl-phenylether
Concen: 3.088 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.44 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8516
Ion Ratio Lower Upper
248 100
250 189.1 77.1 115.7#
141 574.5 50.8 76.2#

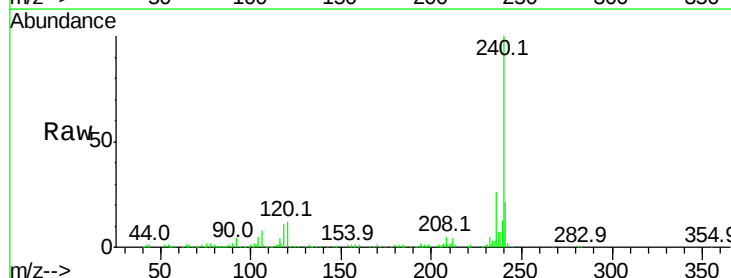


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

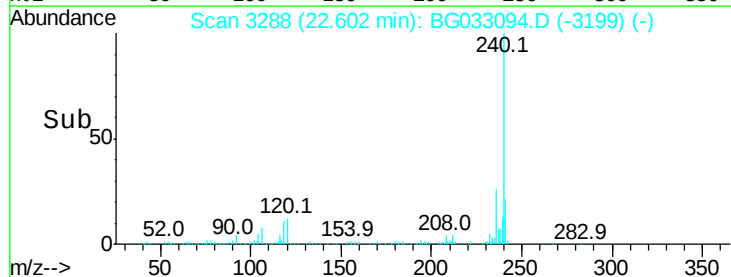
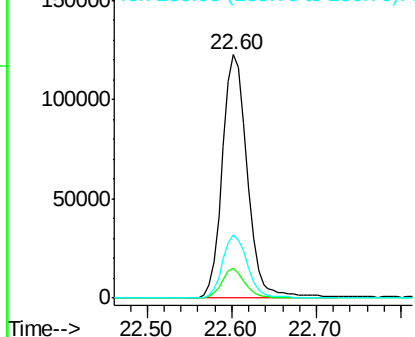


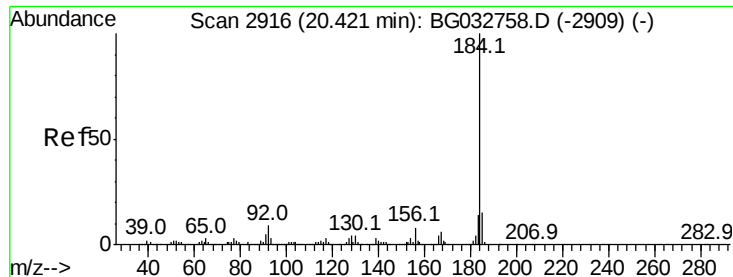
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033094.D
Acq: 12 Mar 2018 18:03

Tgt Ion:240 Resp: 252286
Ion Ratio Lower Upper
240 100
120 12.3 6.8 10.2#
236 26.0 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: 2.140 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

Instrument :

BNA_G

ClientSampleId :

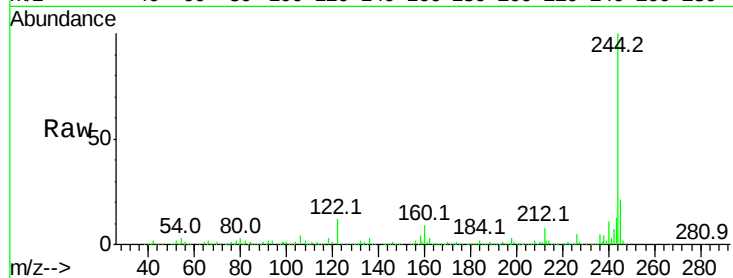
Tot Ion:184 Resp: 18401

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

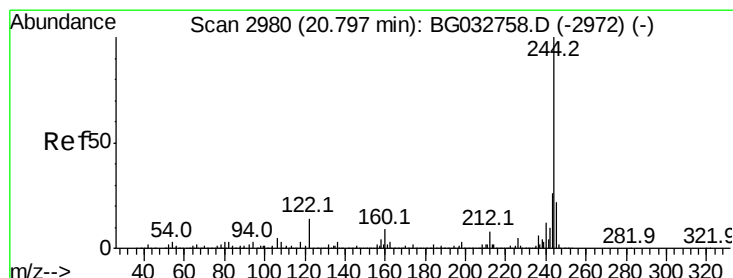
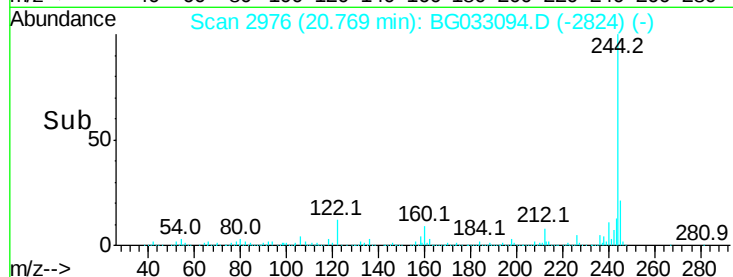
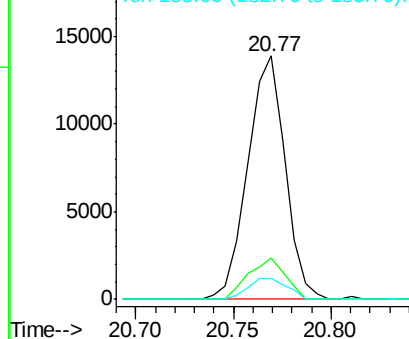
183 8.5 10.6 16.0#



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: 95.737 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033094.D

Acq: 12 Mar 2018 18:03

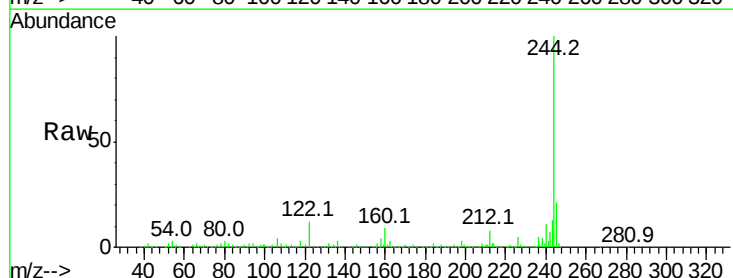
Tgt Ion:244 Resp: 1075039

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

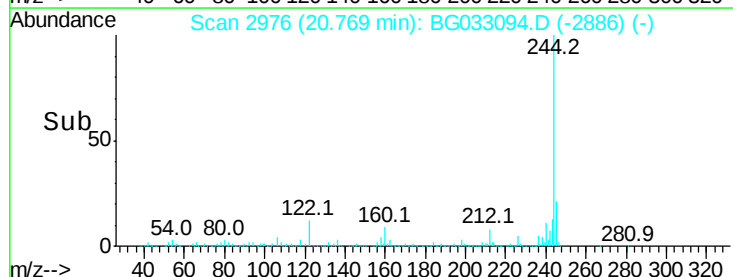
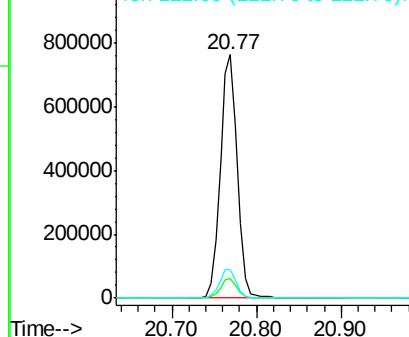
122 12.0 7.0 10.4#

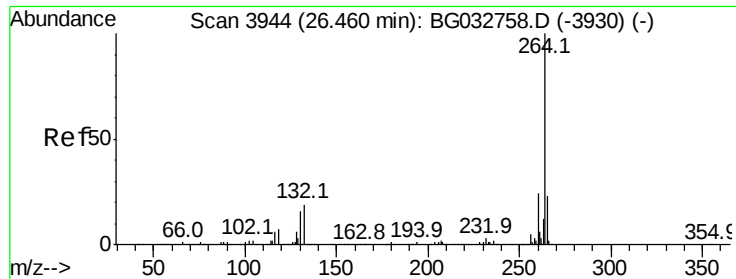


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3934
 Delta R.T. -0.01 min
 Lab File: BG033094.D
 Acq: 12 Mar 2018 18:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	22.0	17.7	26.5

