

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033123.D
 Acq On : 13 Mar 2018 17:42
 Operator : SJ/JU
 Sample : J1873-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:18:44 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	45366	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	195052	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	105107	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	243596	20.00	ng	0.00
75) Chrysene-d12	22.60	240	230875	20.00	ng	0.00
86) Perylene-d12	26.40	264	218128	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	399956	141.05	ng	0.00
7) Phenol-d6	8.01	99	484767	122.65	ng	0.00
23) Nitrobenzene-d5	10.11	82	356709	122.02	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	200143	181.10	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	756071	103.75	ng	0.00
78) Terphenyl-d14	20.77	244	1184737	115.29	ng	0.00

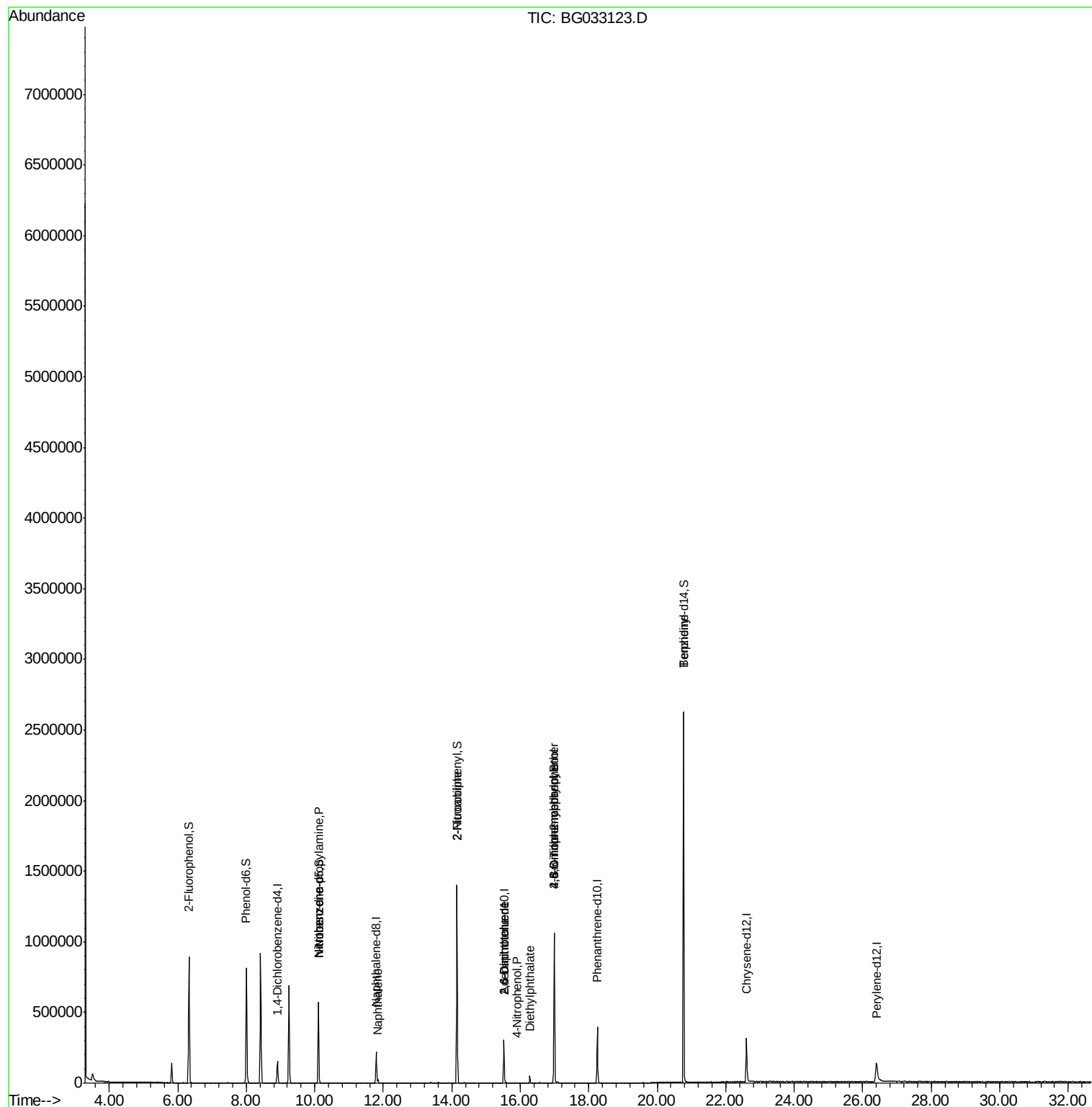
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	48204	17.275	ng	# 79
24) Nitrobenzene	10.11	77	1132	6.696	ng	# 37
31) Naphthalene	11.85	128	21807	2.140	ng	# 97
47) 2-Nitroaniline	14.16	65	1397	10.478	ng	# 3
50) 2,6-Dinitrotoluene	15.52	165	13362	16.267	ng	# 19
55) 4-Nitrophenol	15.91	139	733	7.538	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13362	14.464	ng	# 17
59) Diethylphthalate	16.28	149	30960	3.289	ng	# 99
64) 4,6-Dinitro-2-methylphenol	17.00	198	383	5.617	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14316	5.558	ng	# 1
76) Benzidine	20.77	184	20497	2.605	ng	# 94

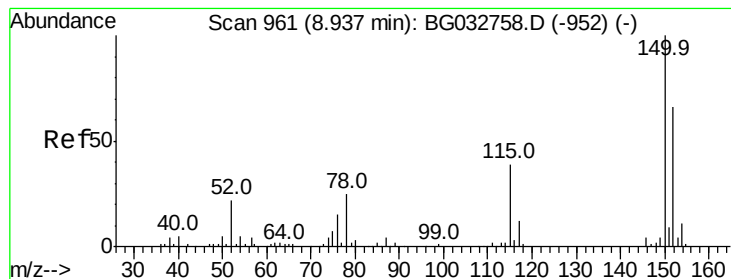
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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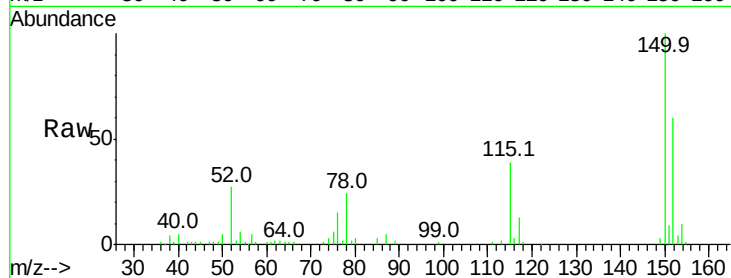


#1

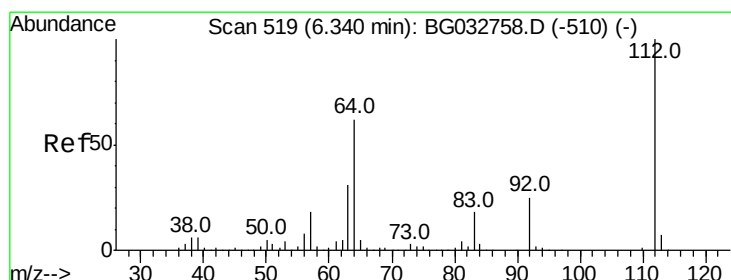
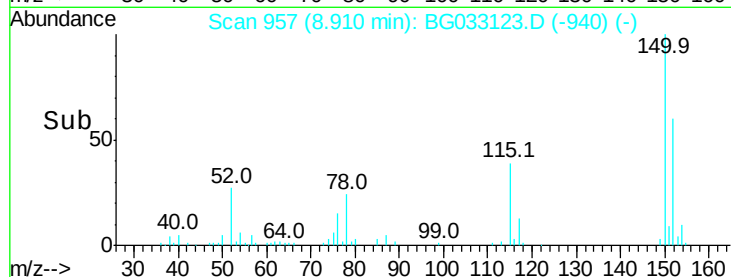
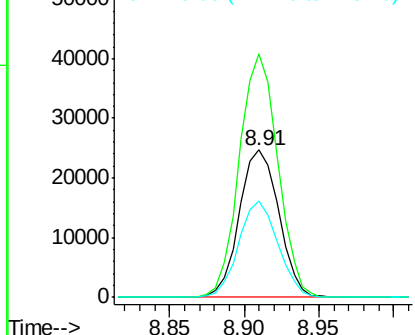
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45366
Ion Ratio Lower Upper
152 100
150 165.3 126.6 189.8
115 65.2 53.0 79.4



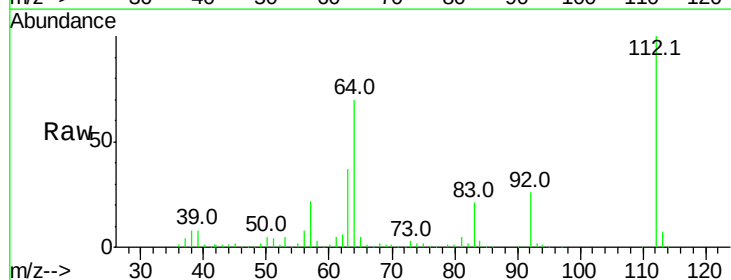
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



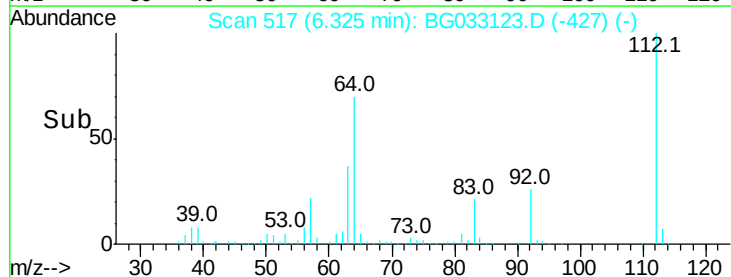
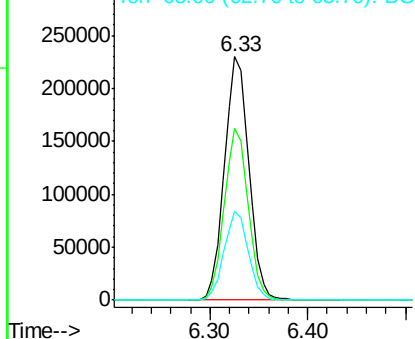
#5

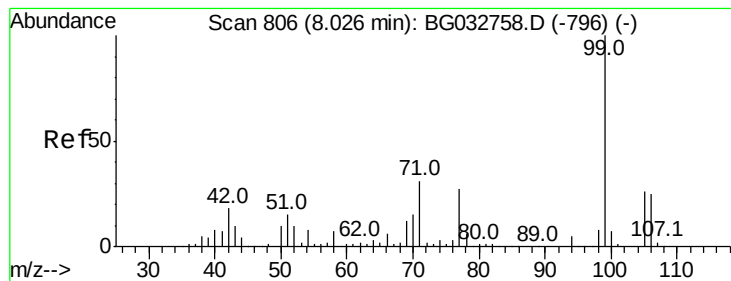
2-Fluorophenol
Concen: 141.046 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Tgt Ion:112 Resp: 399956
Ion Ratio Lower Upper
112 100
64 70.4 56.3 84.5
63 36.6 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: 122.649 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

Instrument :

BNA_G

ClientSampleId :

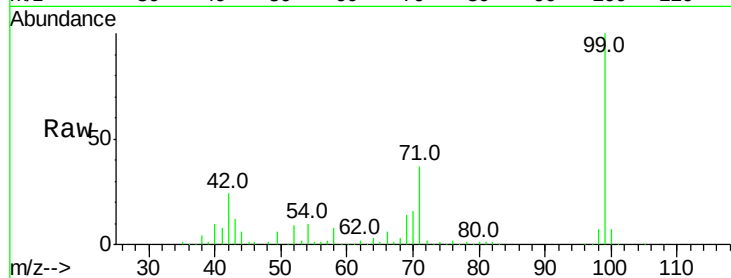
Tot Ion: 99 Resp: 484767

Ion Ratio Lower Upper

99 100

42 23.7 14.1 21.1#

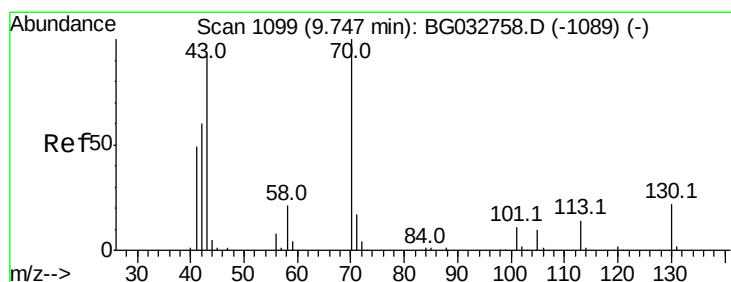
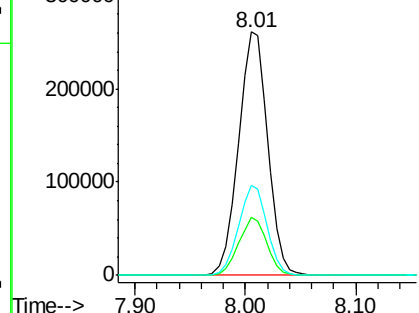
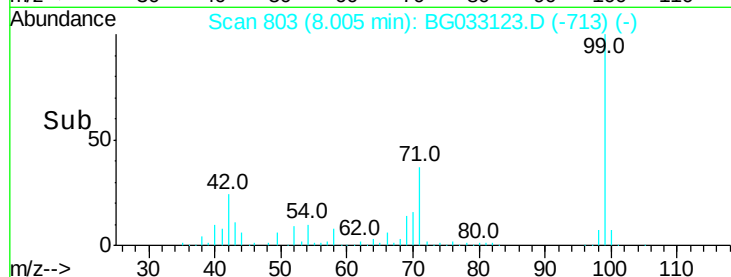
71 36.9 26.1 39.1



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: 17.275 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

Tgt Ion: 70 Resp: 48204

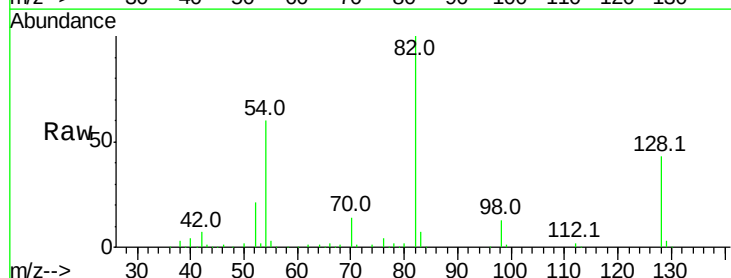
Ion Ratio Lower Upper

70 100

42 49.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

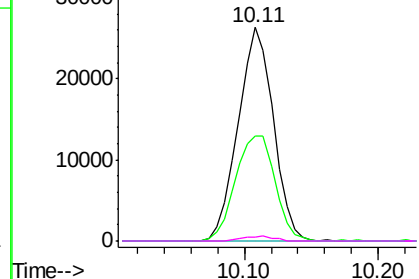
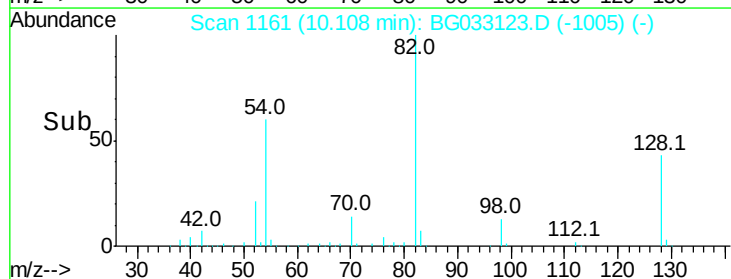


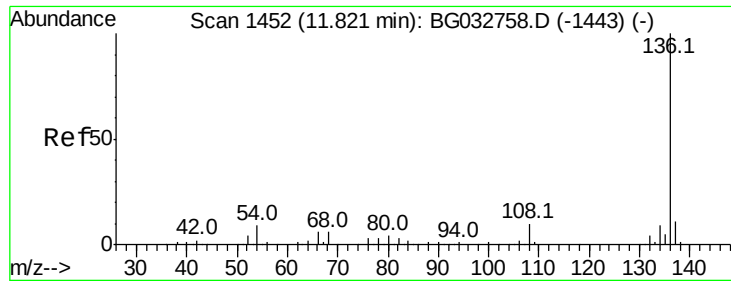
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

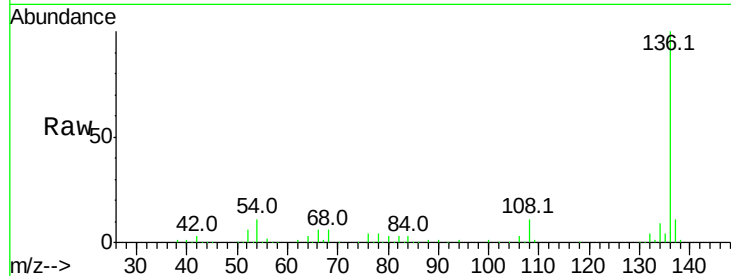




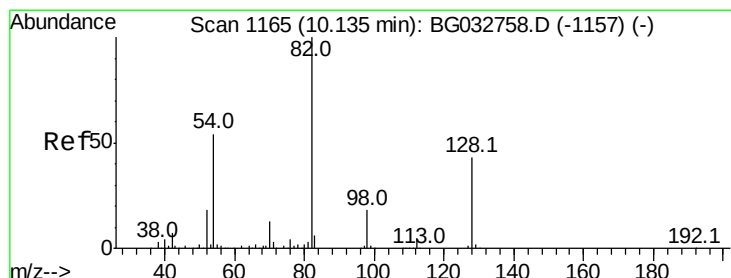
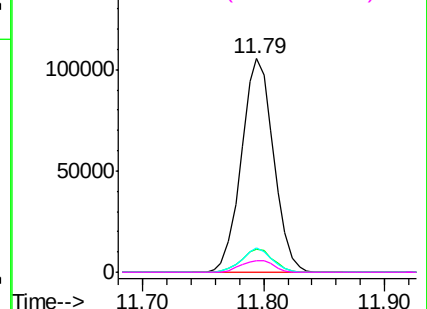
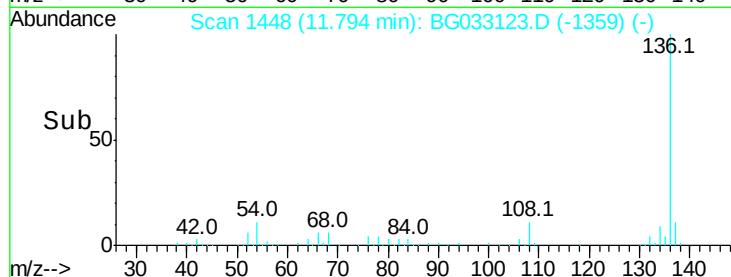
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	195052
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	11.2	10.3	15.5
68	5.5	4.5	6.7

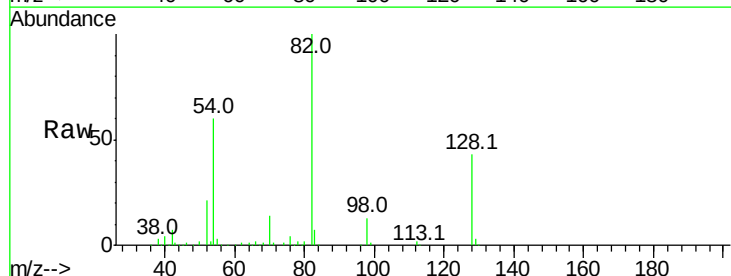


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

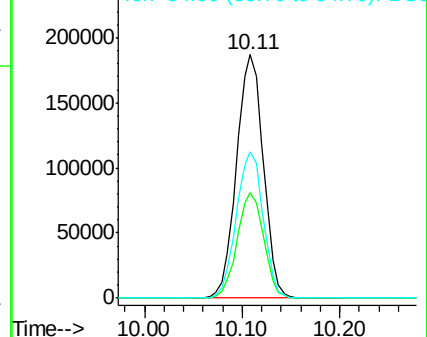
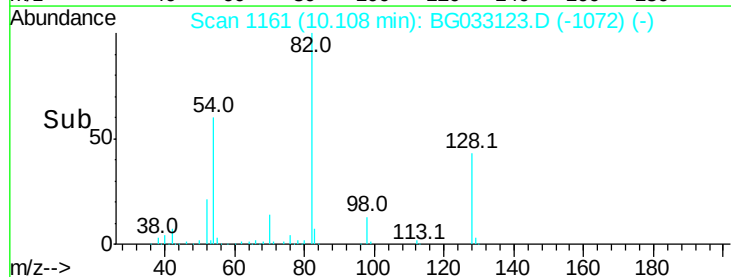


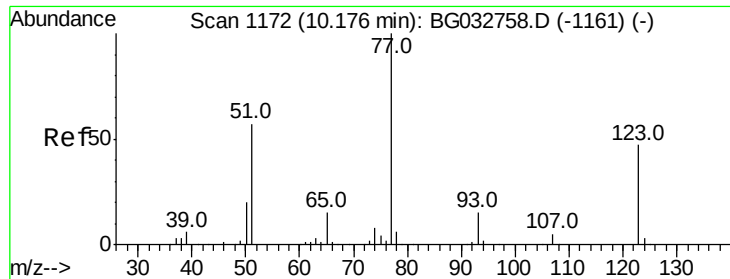
#23
Nitrobenzene-d5
Concen: 122.022 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Tgt Ion:	82	Resp:	356709
Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.7	44.5
54	60.4	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: 6.696 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

Instrument :

BNA_G

ClientSampleId :

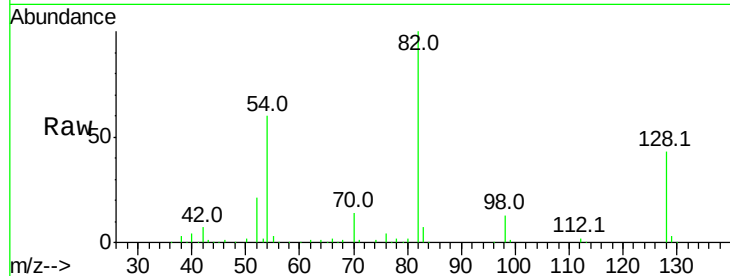
Tot Ion: 77 Resp: 1132

Ion Ratio Lower Upper

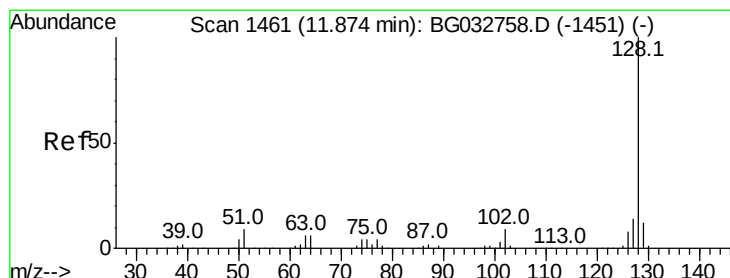
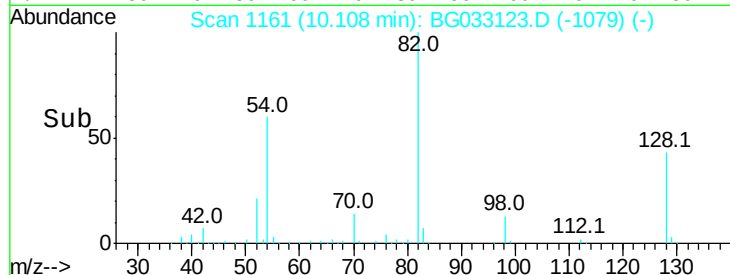
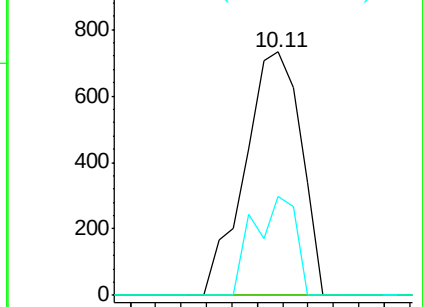
77 100

123 0.0 33.0 49.6#

65 40.5 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



#31

Naphthalene

Concen: 2.140 ng

RT: 11.85 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

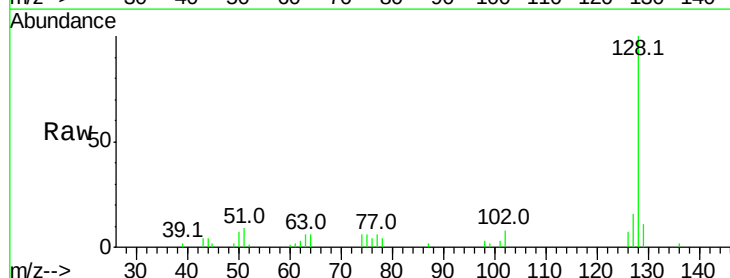
Tgt Ion: 128 Resp: 21807

Ion Ratio Lower Upper

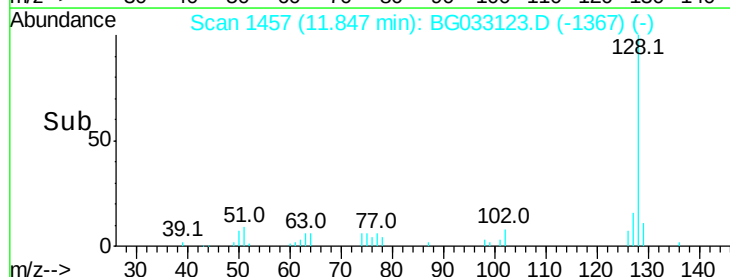
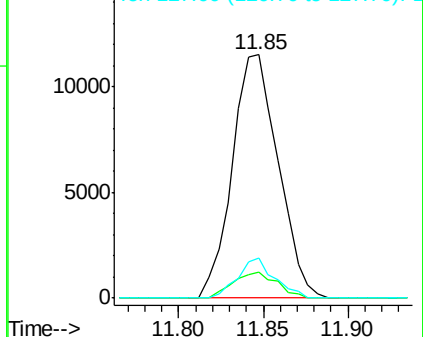
128 100

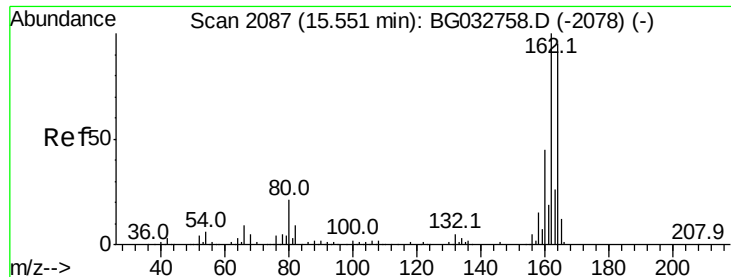
129 10.8 8.6 12.8

127 16.2 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

Instrument :

BNA_G

ClientSampleId :

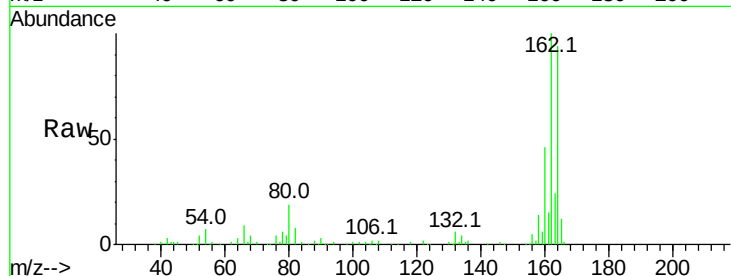
Tot Ion:164 Resp: 105107

Ion Ratio Lower Upper

164 100

162 106.9 78.8 118.2

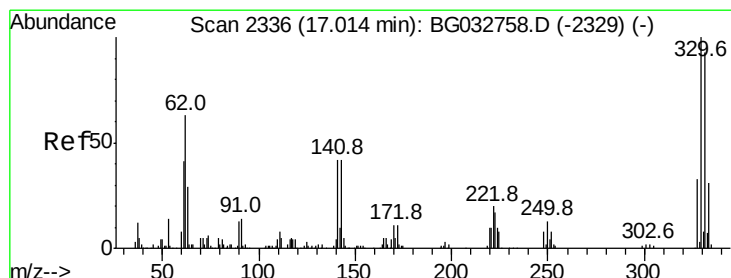
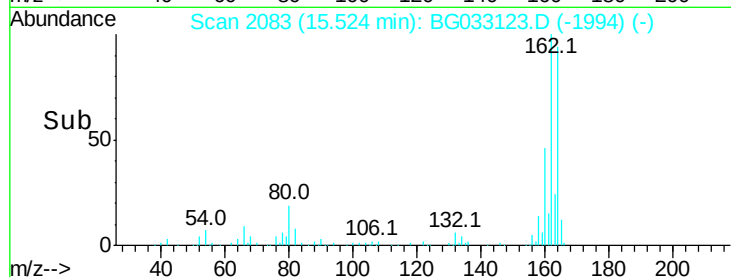
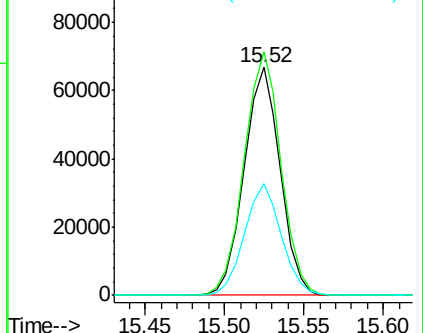
160 49.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 181.098 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

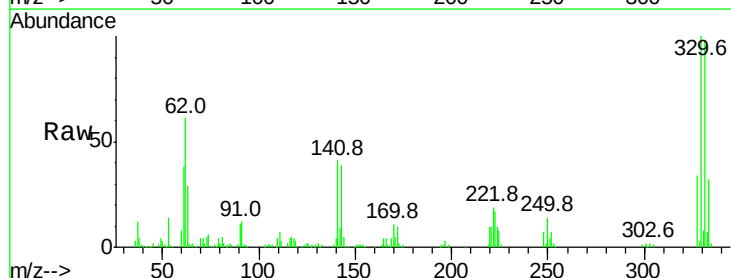
Tgt Ion:330 Resp: 200143

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

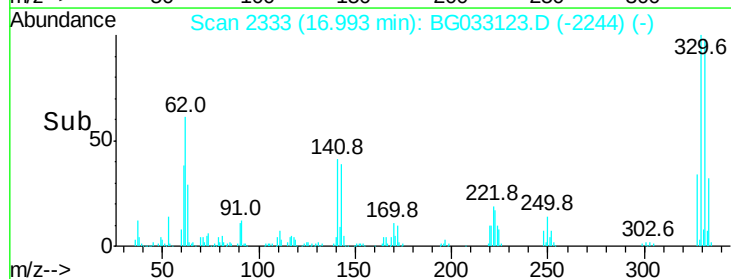
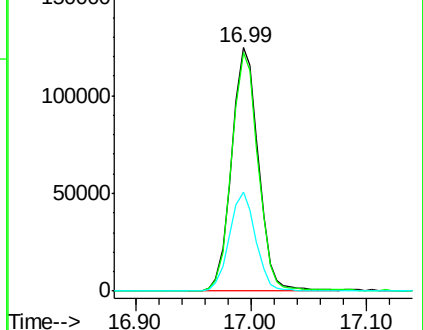
141 40.0 25.2 37.8#

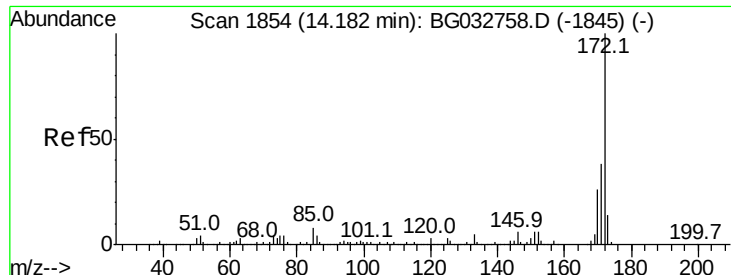


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

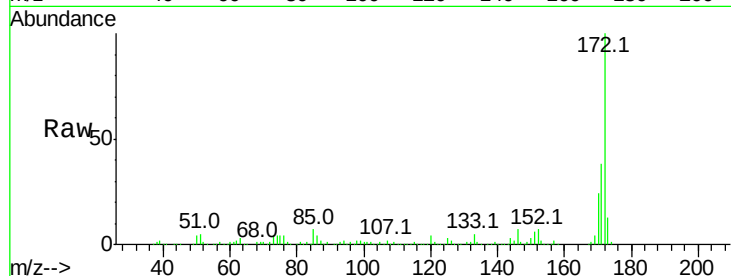




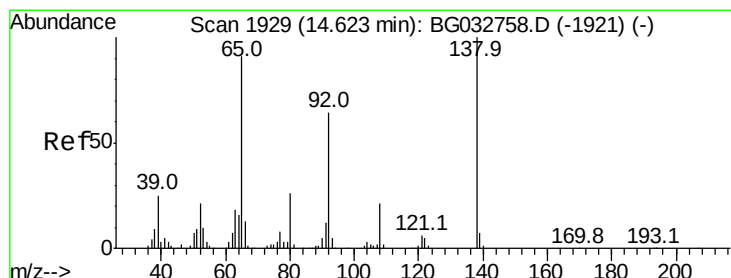
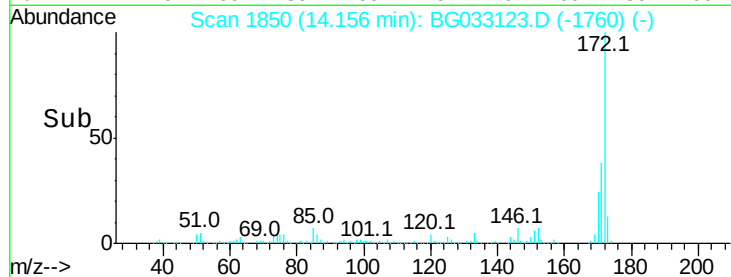
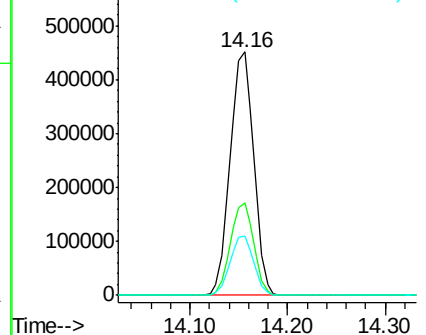
#44
 2-Fluorobiphenyl
 Concen: 103.746 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 756071
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 24.5 19.5 29.3

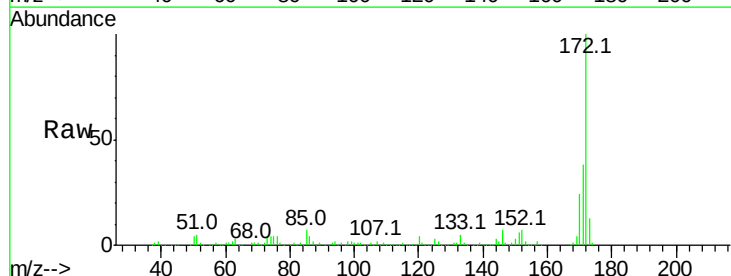


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

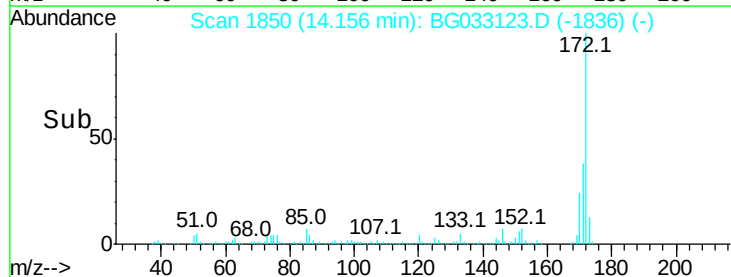
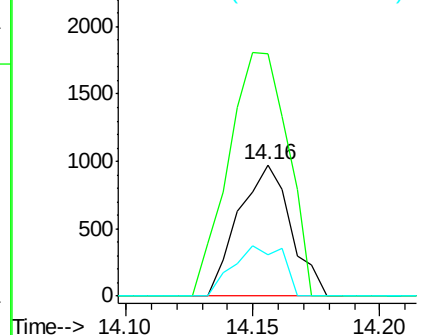


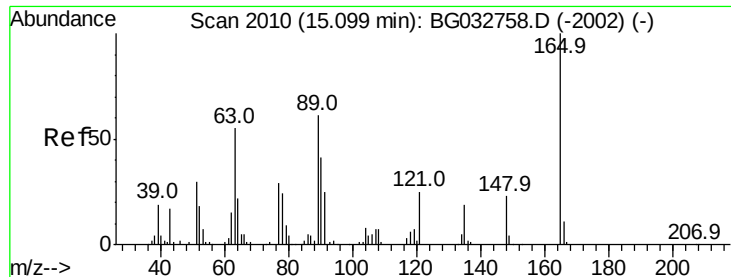
#47
 2-Nitroaniline
 Concen: 10.478 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.45 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Tgt Ion: 65 Resp: 1397
 Ion Ratio Lower Upper
 65 100
 92 184.4 54.6 82.0#
 138 31.3 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): E

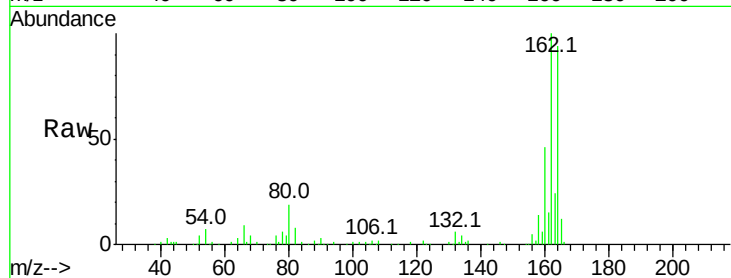




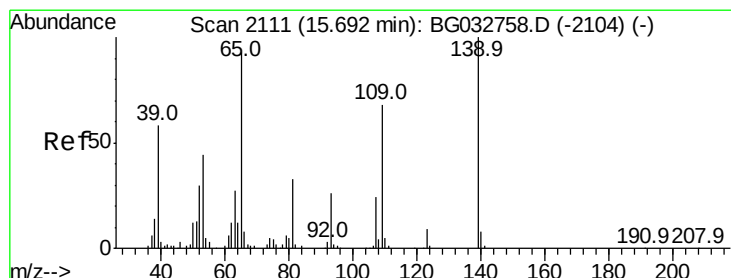
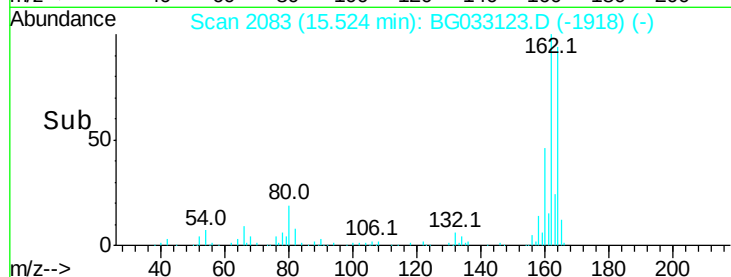
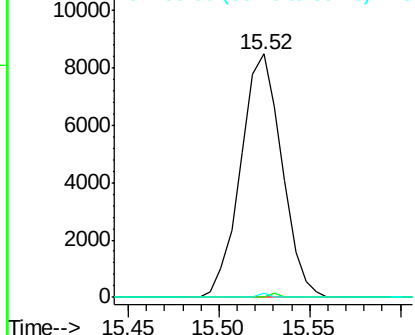
#50
 2,6-Dinitrotoluene
 Concen: 16.267 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13362
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.8 49.2 73.8#

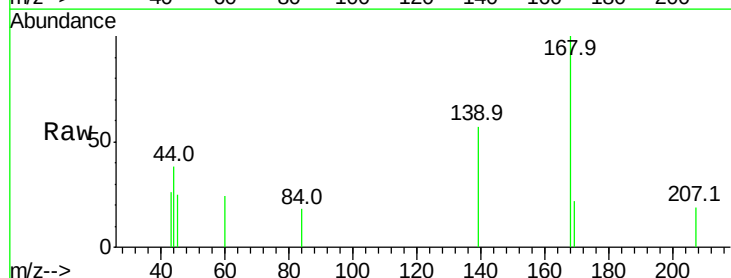


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

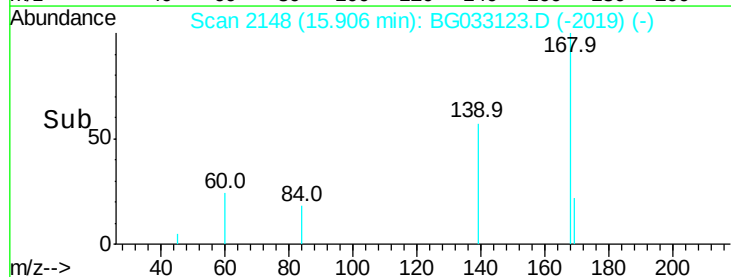
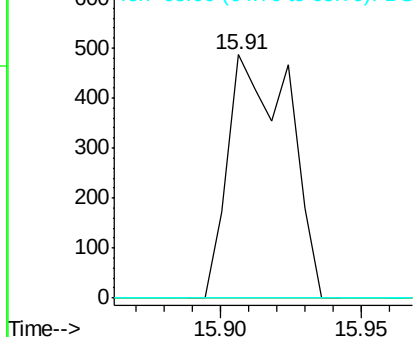


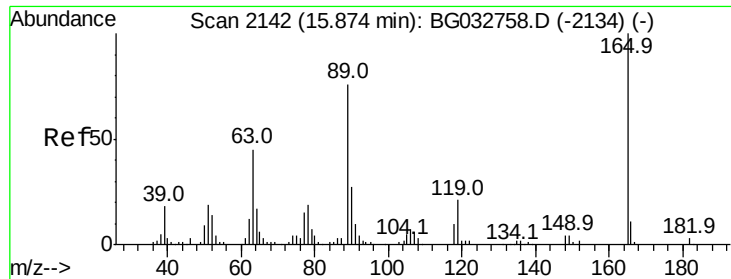
#55
 4-Nitrophenol
 Concen: 7.538 ng
 RT: 15.91 min Scan# 2148
 Delta R.T. 0.23 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Tgt Ion:139 Resp: 733
 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): BGO





#56

2,4-Dinitrotoluene

Concen: 14.464 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13362

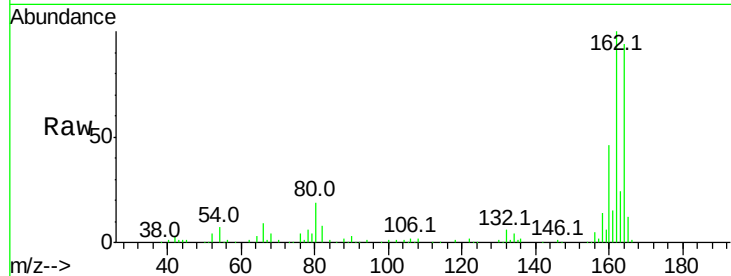
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

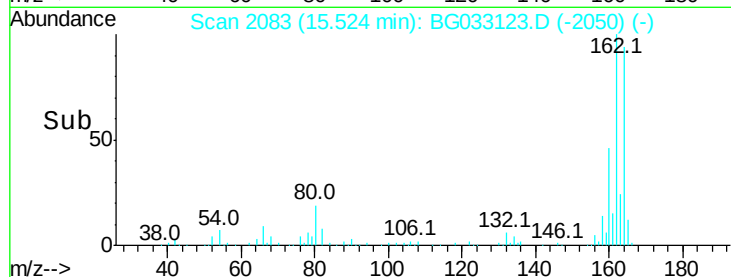


Abundance Ion 165.00 (164.70 to 165.70): E

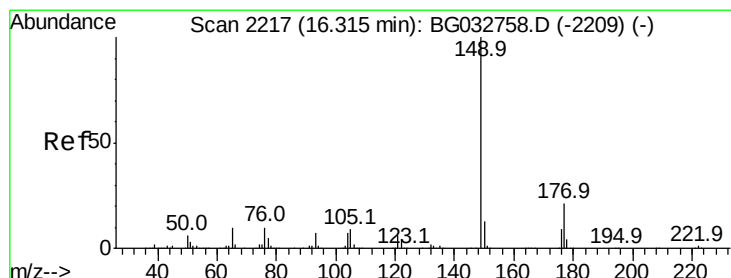
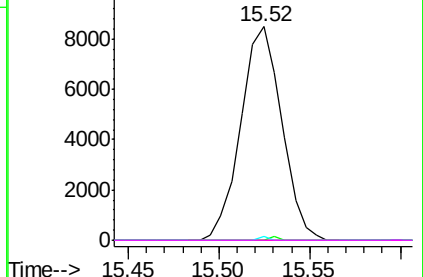
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#59

Diethylphthalate

Concen: 3.289 ng

RT: 16.28 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG033123.D

Acq: 13 Mar 2018 17:42

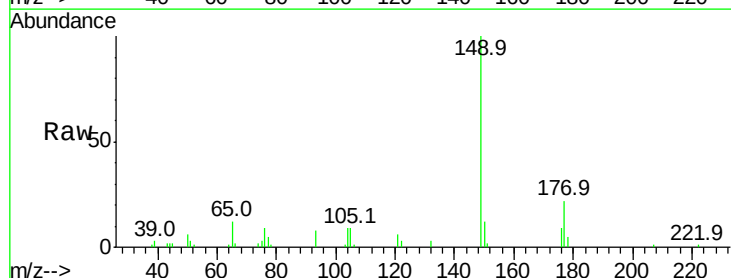
Tgt Ion:149 Resp: 30960

Ion Ratio Lower Upper

149 100

177 22.5 18.5 27.7

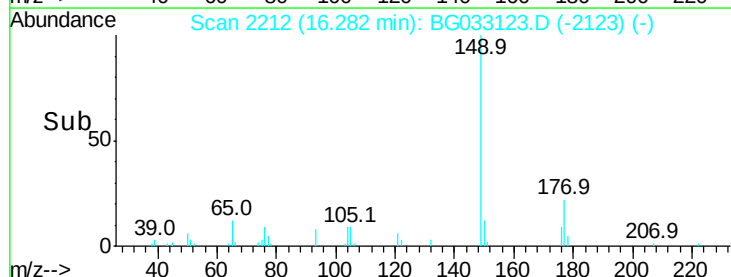
150 12.1 10.2 15.2



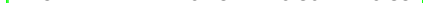
Abundance Ion 149.00 (148.70 to 149.70): E

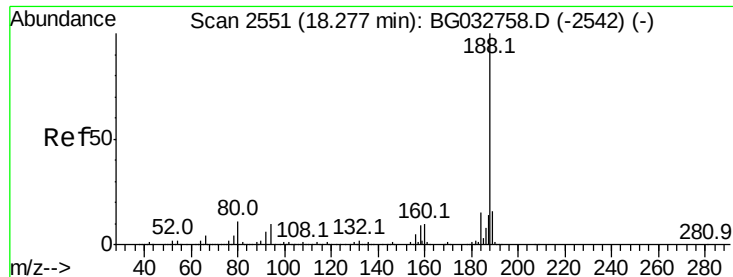
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->

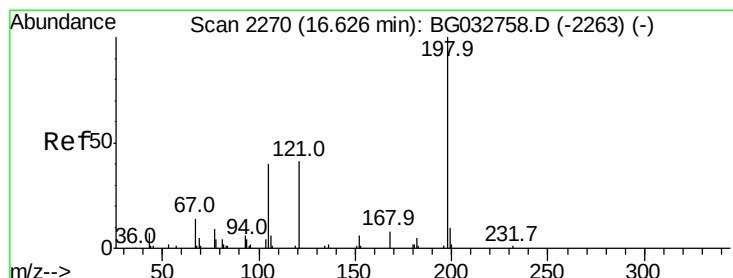
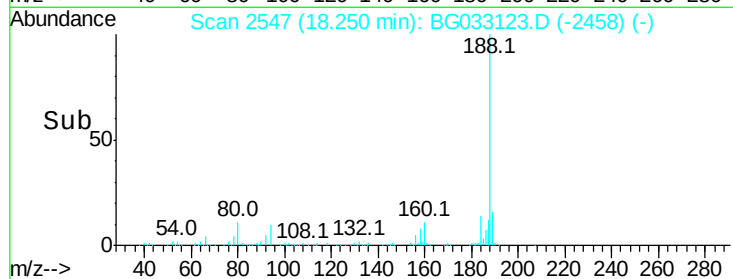
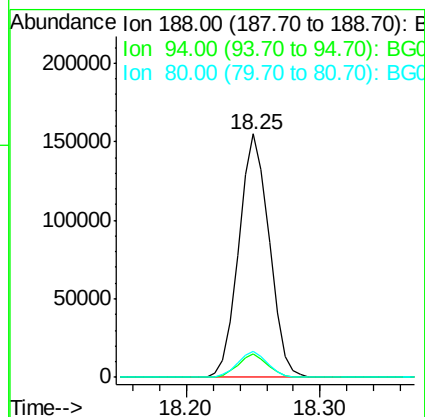
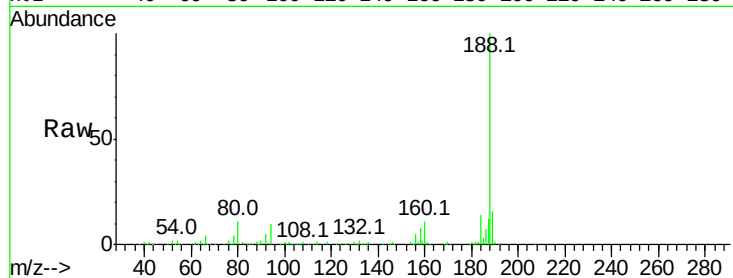




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

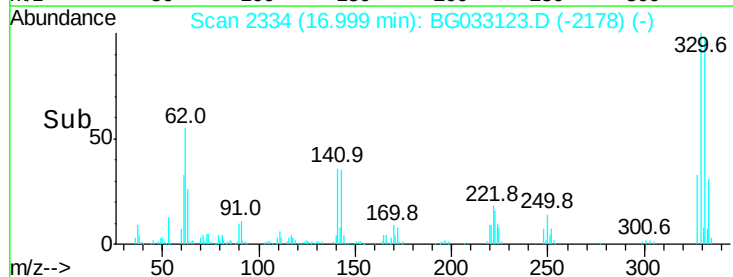
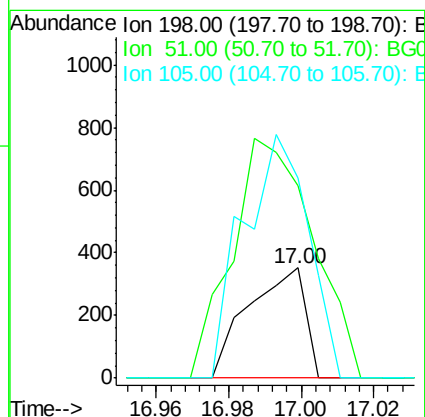
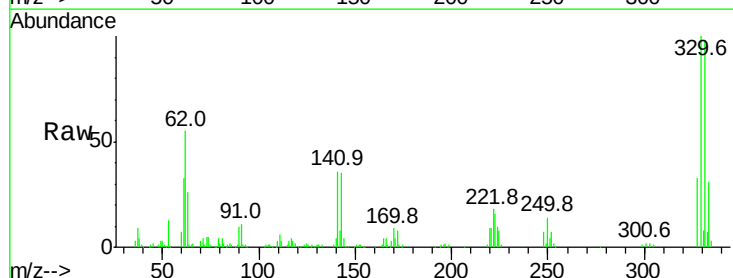
Instrument :
BNA_G
ClientSampleId :

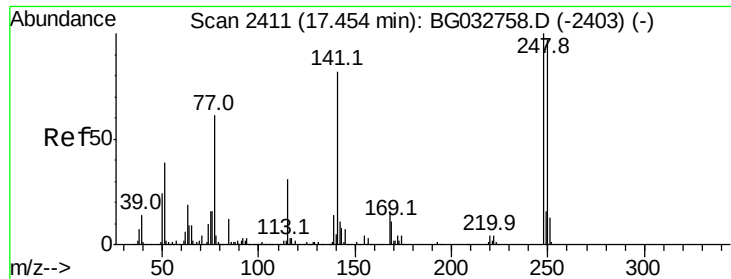
Tot Ion:188 Resp: 243596
Ion Ratio Lower Upper
188 100
94 9.9 6.9 10.3
80 10.6 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.617 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.39 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Tgt Ion:198 Resp: 383
Ion Ratio Lower Upper
198 100
51 174.9 30.6 70.6#
105 181.8 23.8 63.8#

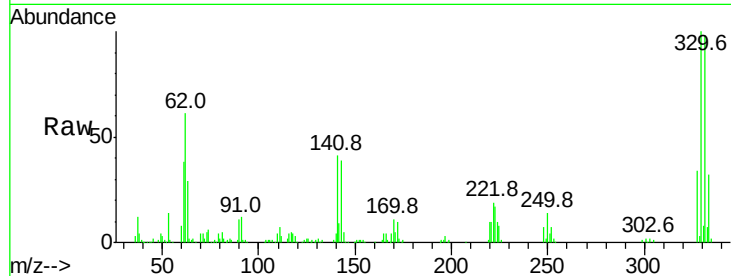




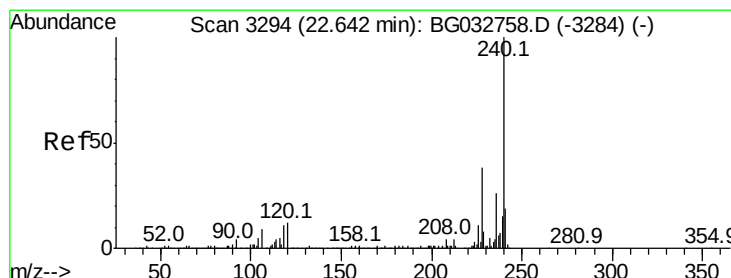
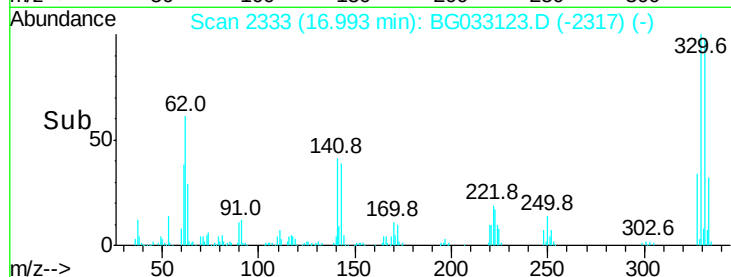
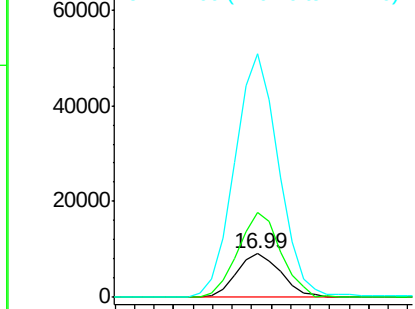
#66
 4-Bromophenyl-phenylether
 Concen: 5.558 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14316
 Ion Ratio Lower Upper
 248 100
 250 196.8 77.1 115.7#
 141 562.1 50.8 76.2#

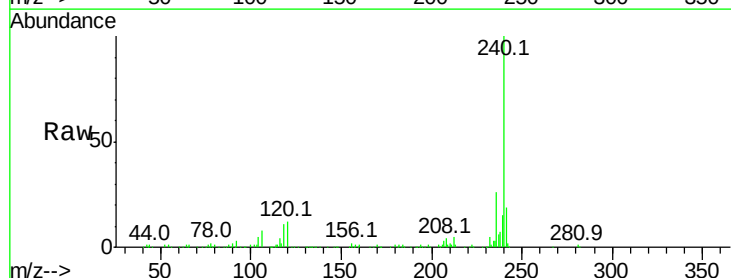


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

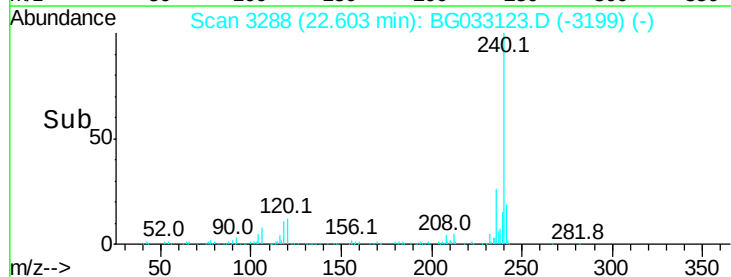
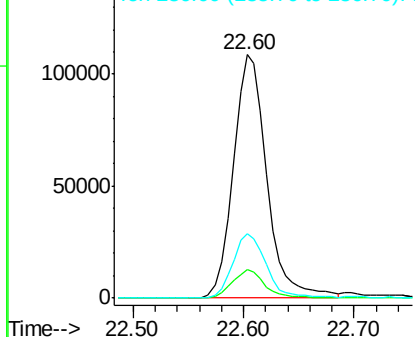


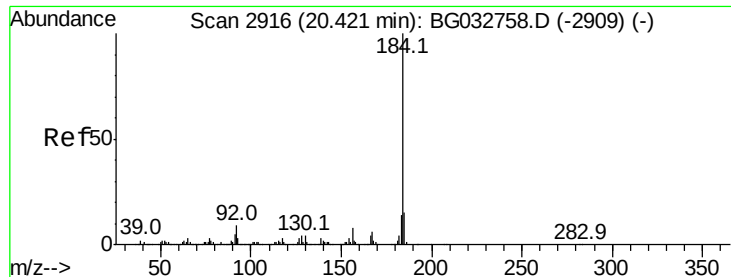
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033123.D
 Acq: 13 Mar 2018 17:42

Tgt Ion:240 Resp: 230875
 Ion Ratio Lower Upper
 240 100
 120 11.6 6.8 10.2#
 236 26.4 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

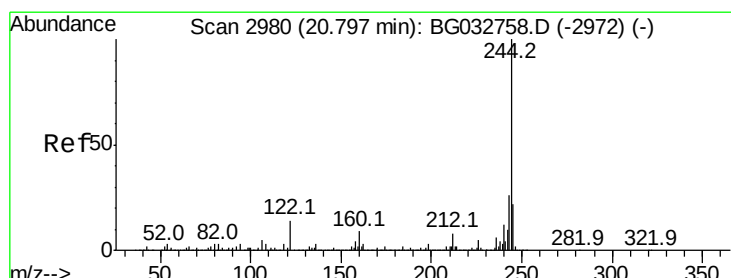
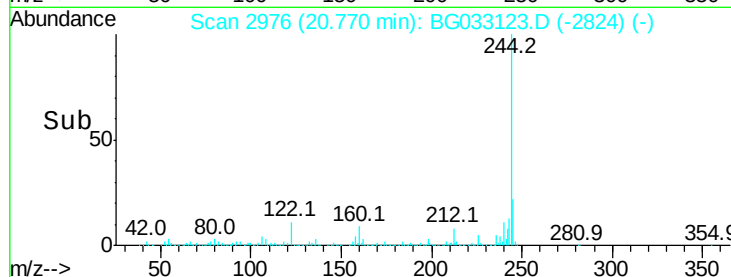
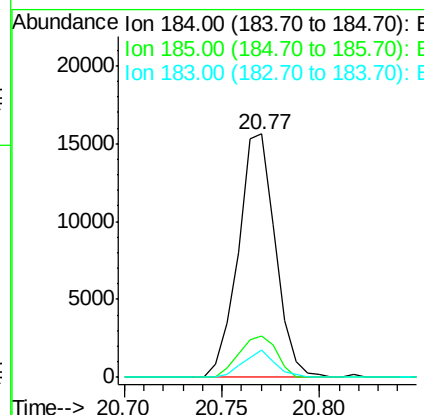
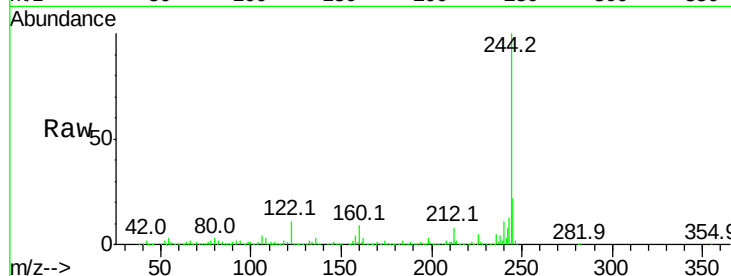




#76
Benzidine
Concen: 2.605 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.36 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

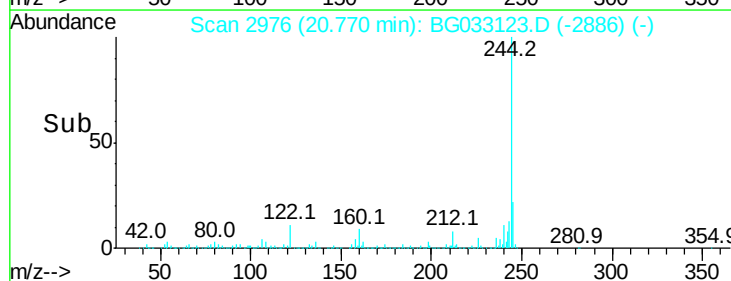
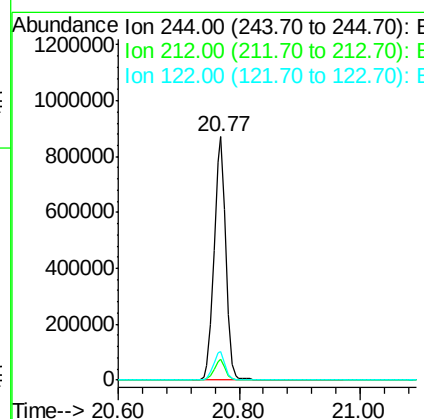
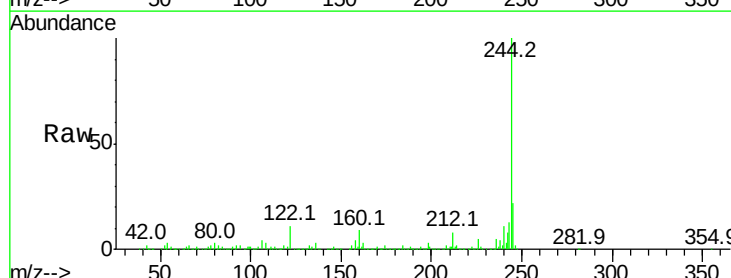
Instrument :
BNA_G
ClientSampleId :

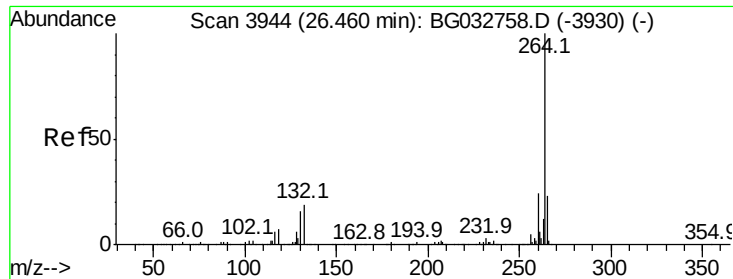
Tot Ion:184 Resp: 20497
Ion Ratio Lower Upper
184 100
185 17.2 11.1 16.7#
183 11.5 10.6 16.0



#78
Terphenyl-d14
Concen: 115.291 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Tgt Ion:244 Resp: 1184737
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.8
122 11.5 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033123.D
Acq: 13 Mar 2018 17:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.5	17.7	26.5

