

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032938.D
 Acq On : 2 Mar 2018 5:33
 Operator : SJ/JU
 Sample : J1733-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:55:49 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	8.92	152	63382	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	270033	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	150235	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	324301	20.00	ng	0.00
75) Chrysene-d12	22.62	240	300003	20.00	ng	0.00
86) Perylene-d12	26.43	264	285463	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	501261	126.53	ng	0.00
7) Phenol-d6	8.02	99	599473	108.56	ng	0.00
23) Nitrobenzene-d5	10.12	82	448566	111.75	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	202349	128.10	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	997710	95.78	ng	0.00
78) Terphenyl-d14	20.78	244	1330524	99.64	ng	0.00

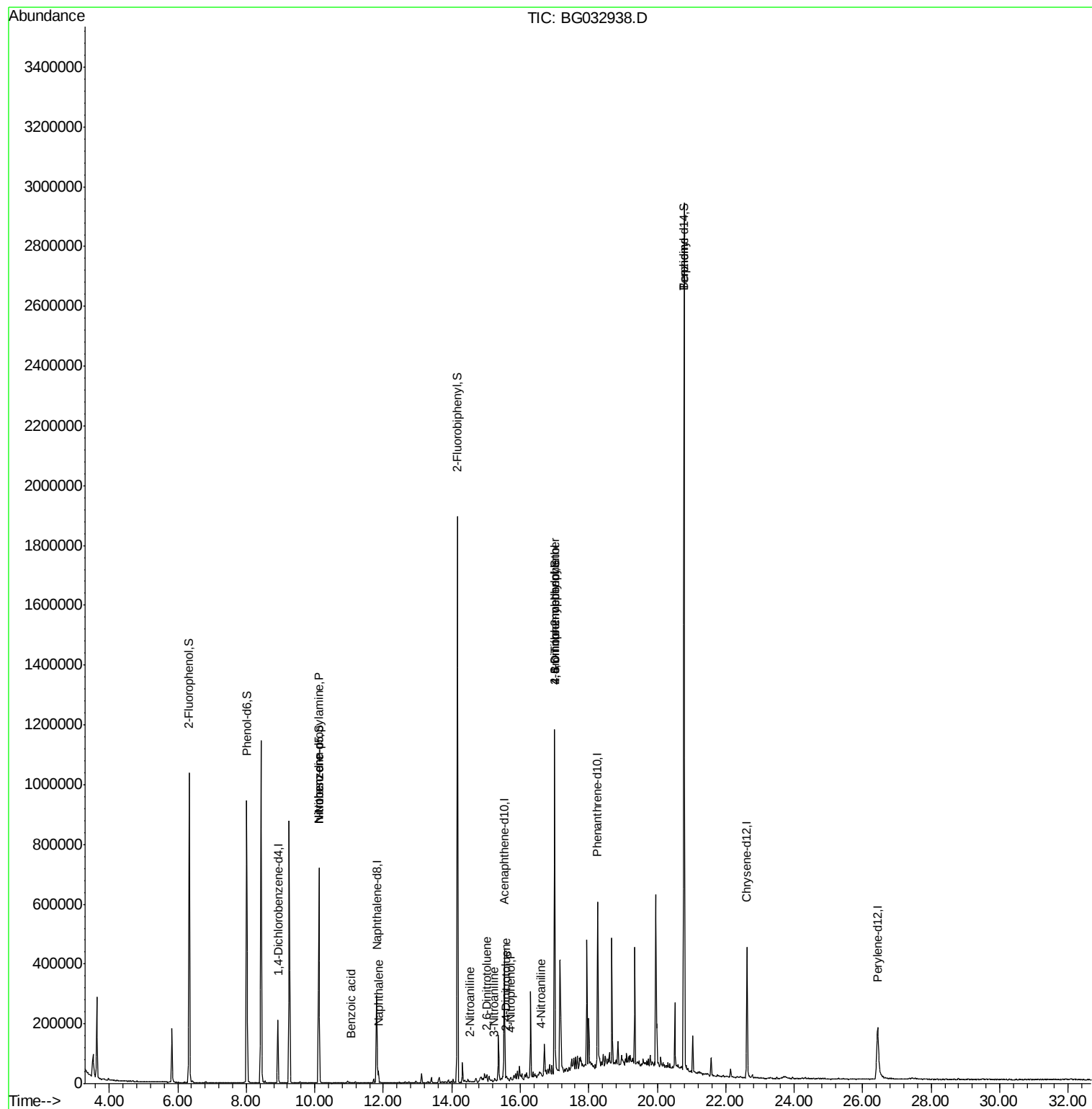
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	58030	14.885	ng	# 81
24) Nitrobenzene	10.11	77	1480	6.678	ng	# 44
31) Naphthalene	11.86	128	37011	2.623	ng	# 97
32) Benzoic acid	11.06	122	137	5.880	ng	# 84
47) 2-Nitroaniline	14.53	65	63	9.856	ng	# 9
50) 2,6-Dinitrotoluene	15.02	165	1854	9.613	ng	# 18
52) 3-Nitroaniline	15.22	138	56	7.561	ng	# 1
55) 4-Nitrophenol	15.72	139	519	7.307	ng	# 71
56) 2,4-Dinitrotoluene	15.59	165	715	7.094	ng	# 33
61) 4-Nitroaniline	16.59	138	68	5.322	ng	# 16
64) 4,6-Dinitro-2-methylphenol	17.00	198	721	5.892	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14448	4.213	ng	# 1
76) Benzidine	20.78	184	22972	2.246	ng	# 91

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

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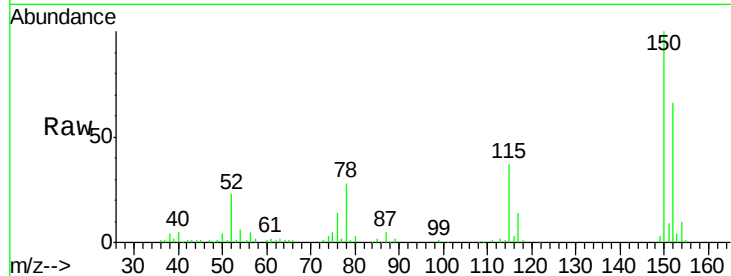


#1

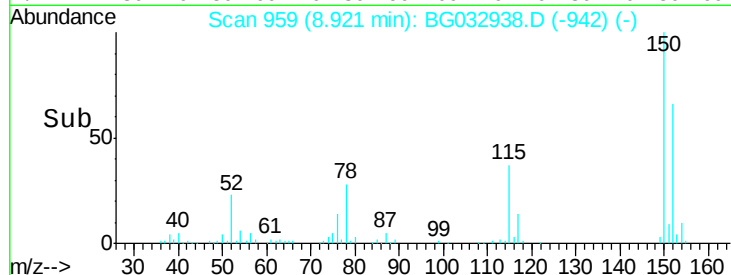
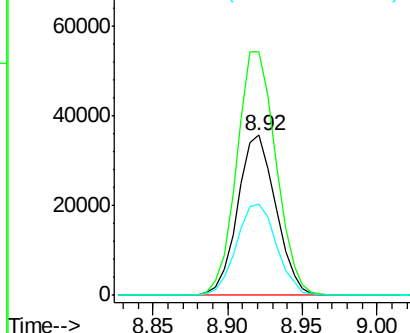
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63382
Ion Ratio Lower Upper
152 100
150 152.1 126.6 189.8
115 57.0 53.0 79.4



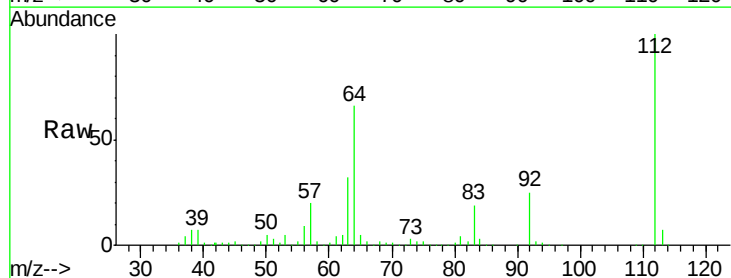
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



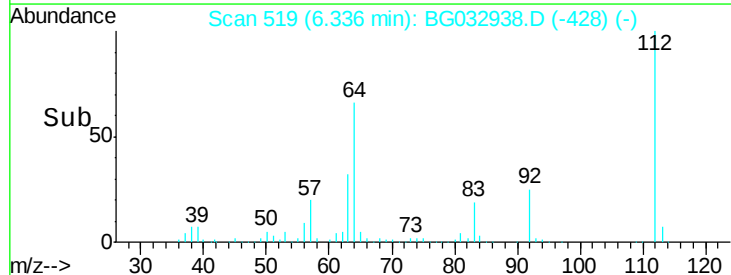
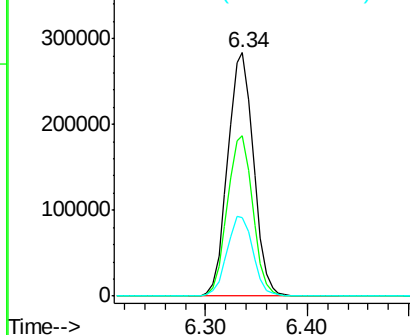
#5

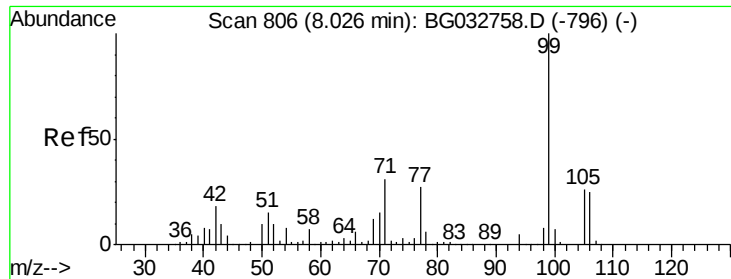
2-Fluorophenol
Concen: 126.526 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion:112 Resp: 501261
Ion Ratio Lower Upper
112 100
64 66.0 56.3 84.5
63 32.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGO
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 108.559 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Instrument :

BNA_G

ClientSampleId :

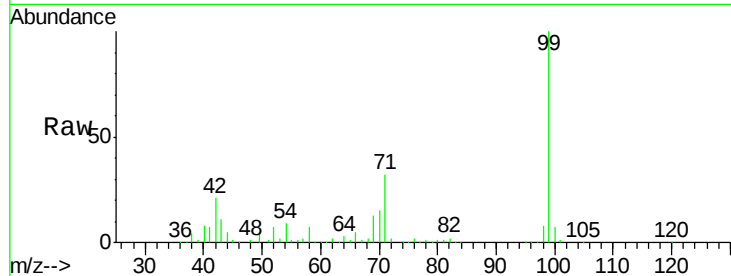
Tot Ion: 99 Resp: 599473

Ion Ratio Lower Upper

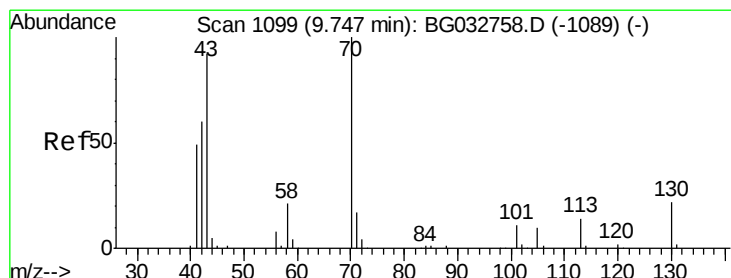
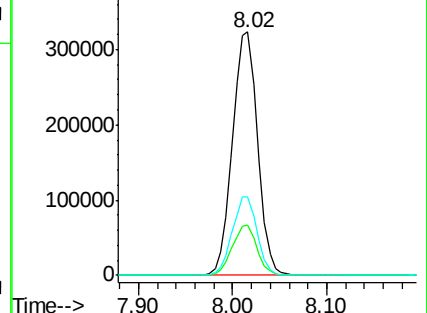
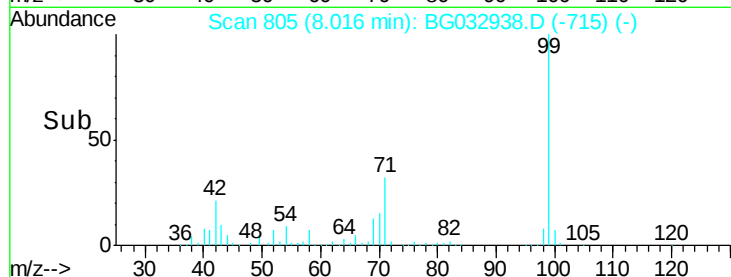
99 100

42 20.7 14.1 21.1

71 32.0 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: 14.885 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Tgt Ion: 70 Resp: 58030

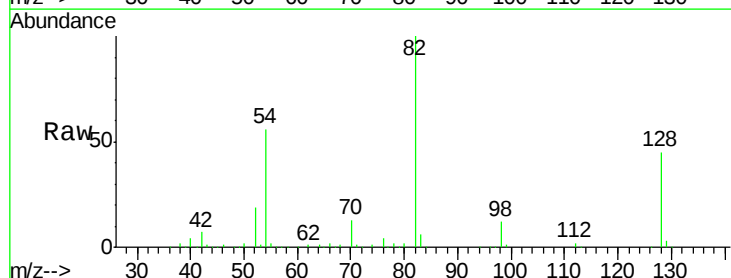
Ion Ratio Lower Upper

70 100

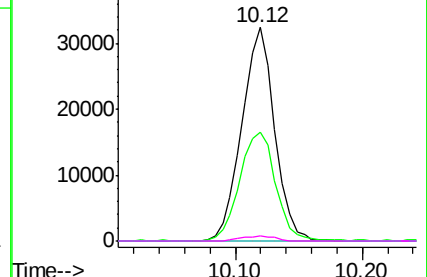
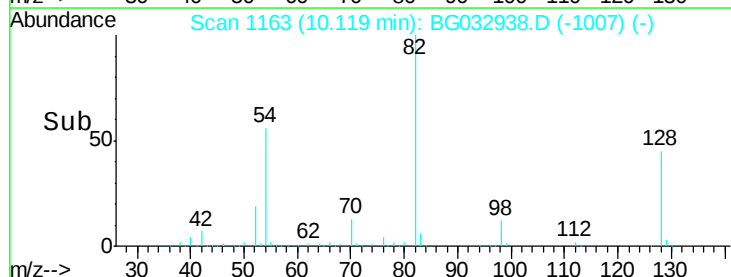
42 51.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.4 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

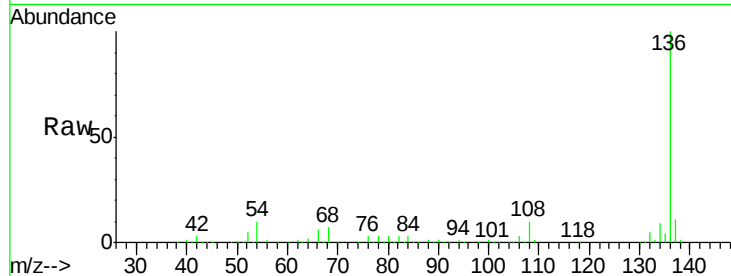




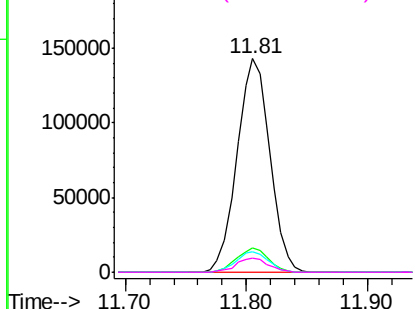
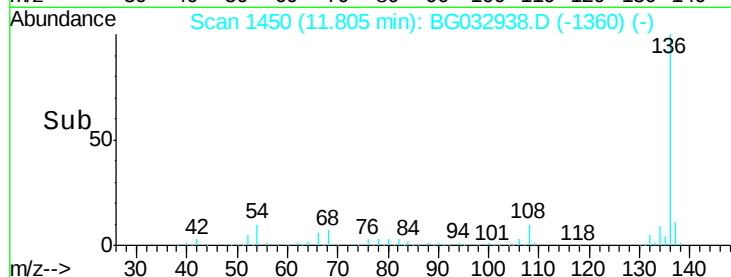
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 270033
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 9.8 10.3 15.5#
68 6.7 4.5 6.7#

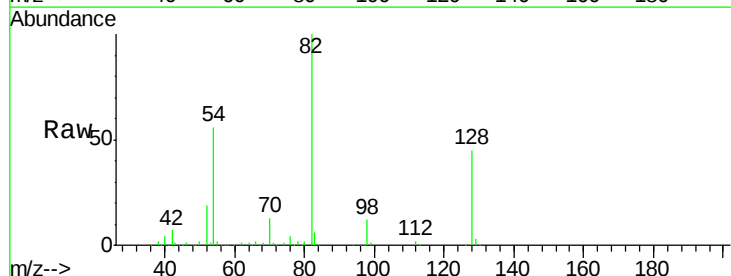


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

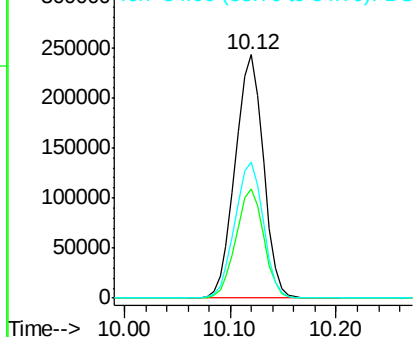
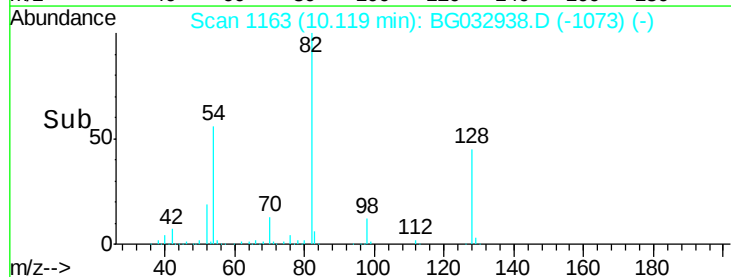


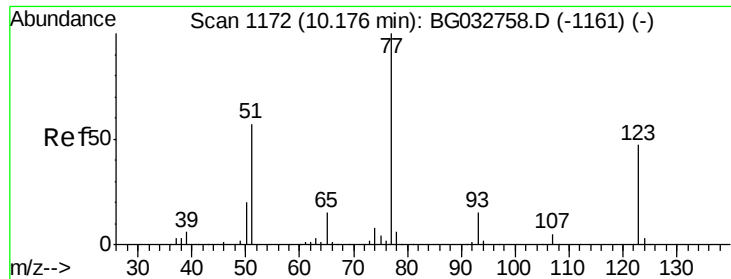
#23
Nitrobenzene-d5
Concen: 111.745 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion: 82 Resp: 448566
Ion Ratio Lower Upper
82 100
128 44.9 29.7 44.5#
54 56.0 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: 6.678 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Instrument :

BNA_G

ClientSampleId :

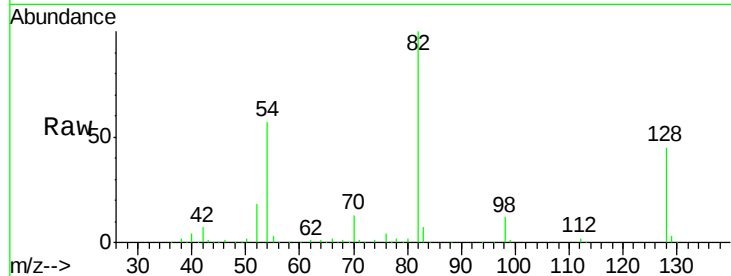
Tot Ion: 77 Resp: 1480

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

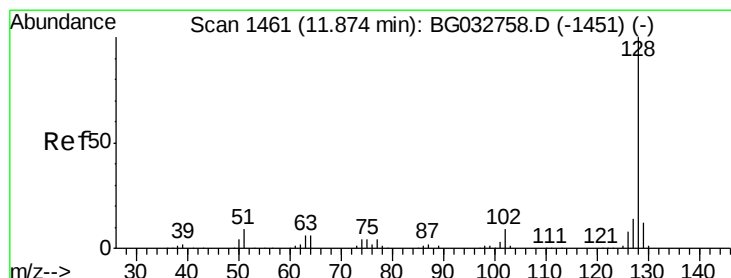
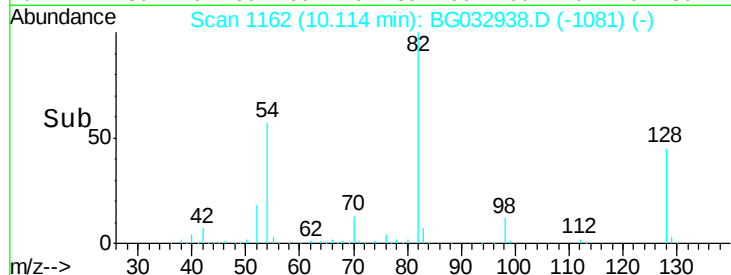
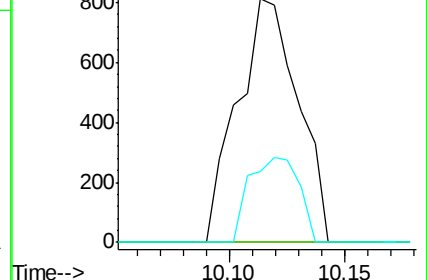
65 29.3 13.0 19.6#



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



#31

Naphthalene

Concen: 2.623 ng

RT: 11.86 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

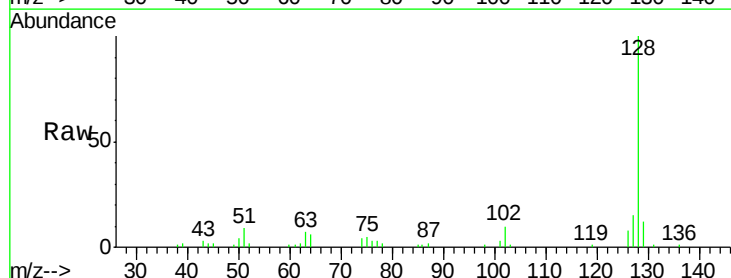
Tgt Ion: 128 Resp: 37011

Ion Ratio Lower Upper

128 100

129 12.4 8.6 12.8

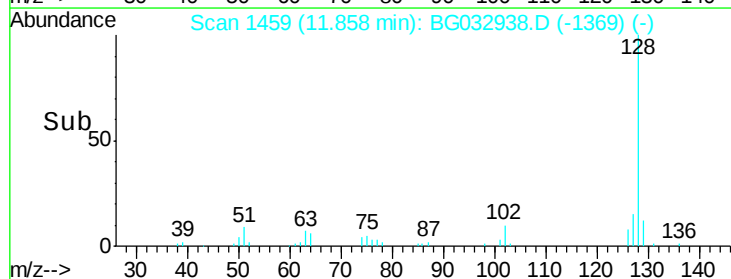
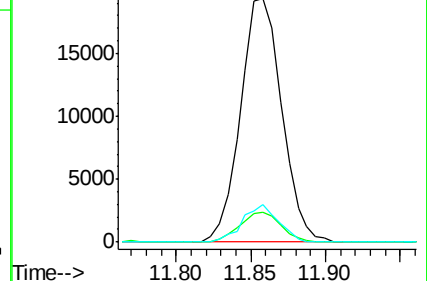
127 15.2 11.6 17.4

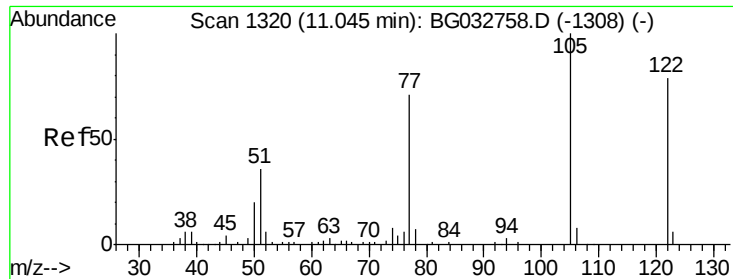


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

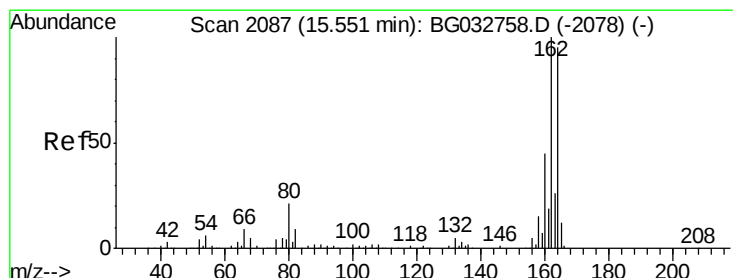
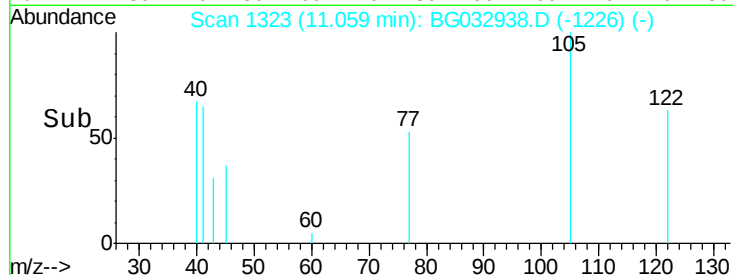
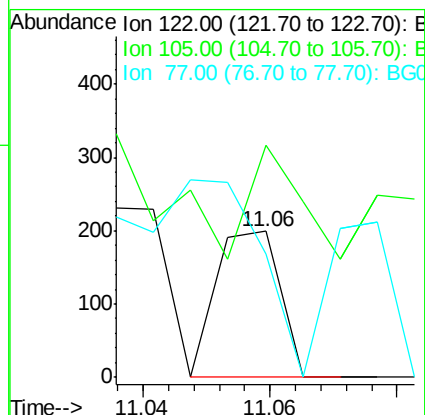
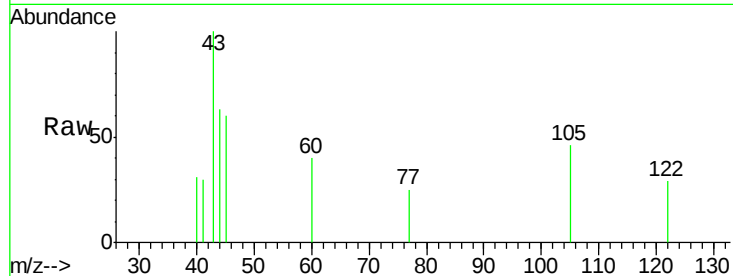




#32
Benzoic acid
Concen: 5.880 ng
RT: 11.06 min Scan# 1323
Delta R.T. 0.04 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

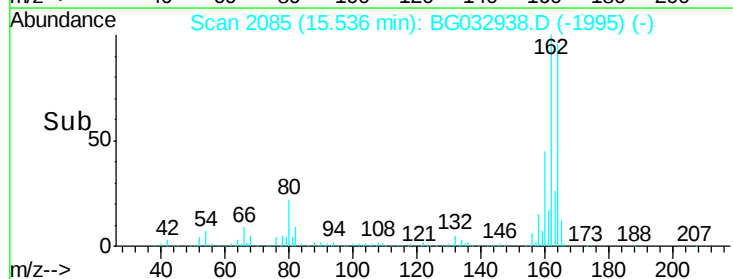
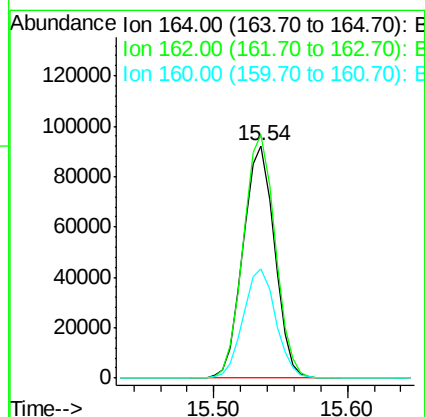
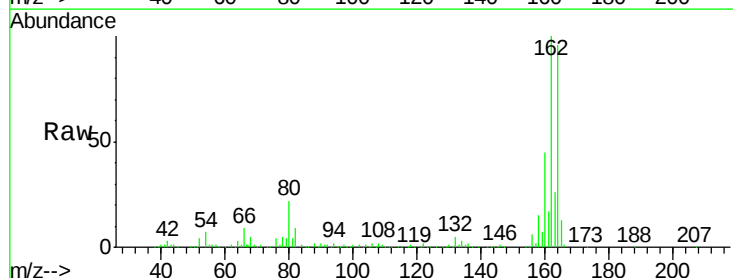
Instrument :
BNA_G
ClientSampleId :

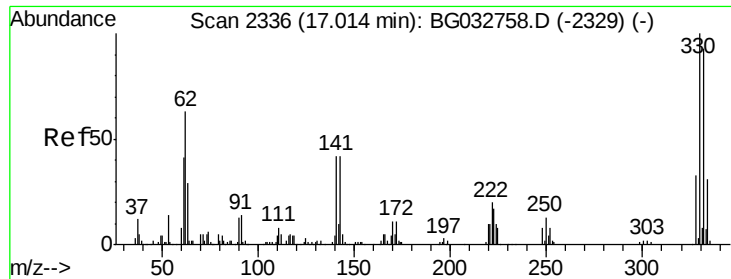
Tot Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
105 159.3 123.5 163.5
77 84.9 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion:164 Resp: 150235
Ion Ratio Lower Upper
164 100
162 104.7 78.8 118.2
160 47.0 35.4 53.0

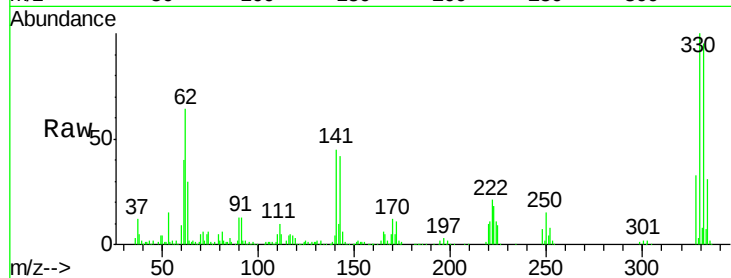




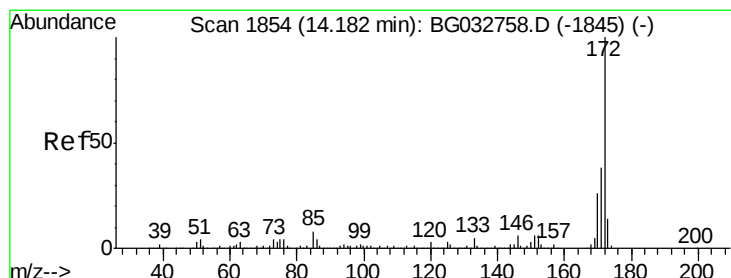
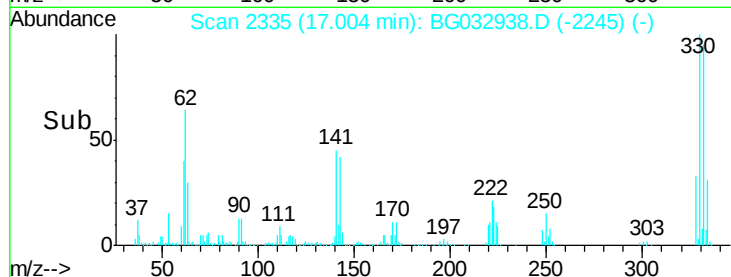
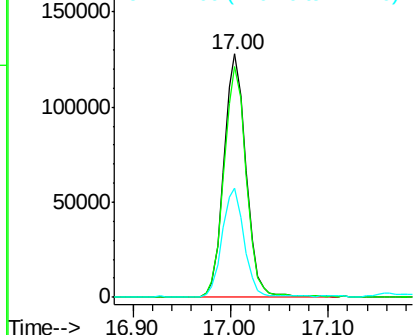
#41
 2,4,6-Tribromophenol
 Concen: 128.096 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032938.D
 Acq: 2 Mar 2018 5:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 202349
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 43.7 25.2 37.8#

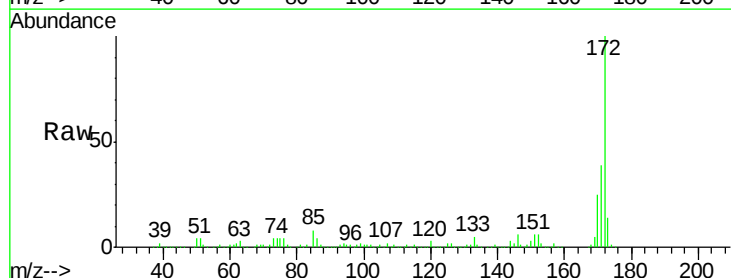


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

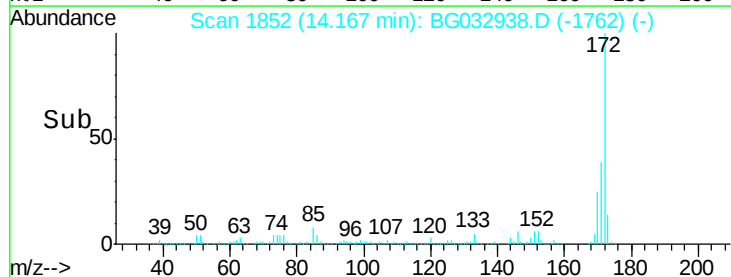
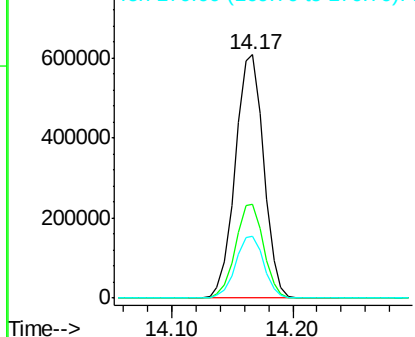


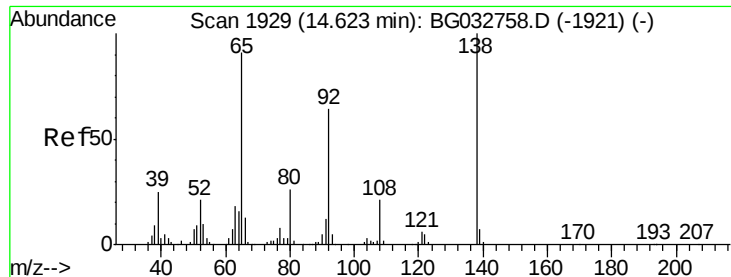
#44
 2-Fluorobiphenyl
 Concen: 95.780 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BG032938.D
 Acq: 2 Mar 2018 5:33

Tgt Ion:172 Resp: 997710
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.4 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: 9.856 ng

RT: 14.53 min Scan# 1913

Delta R.T. -0.09 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Instrument :

BNA_G

ClientSampleId :

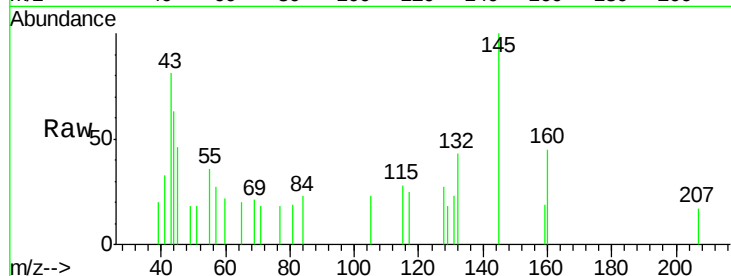
Tot Ion: 65 Resp: 63

Ion Ratio Lower Upper

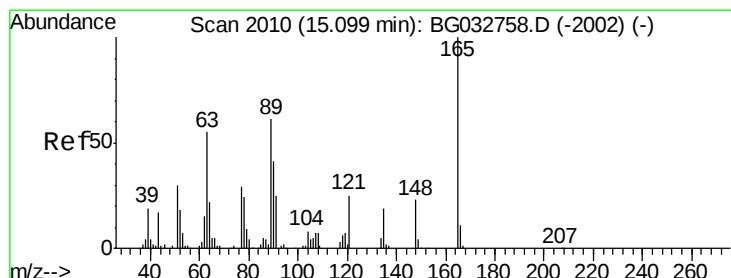
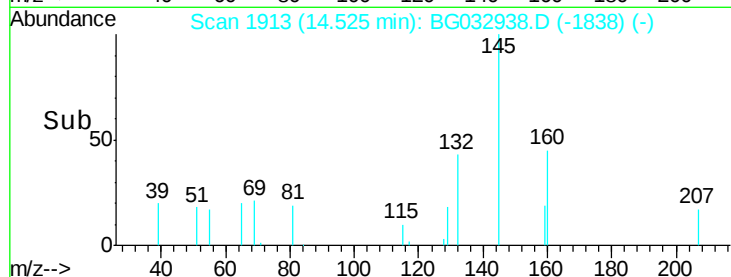
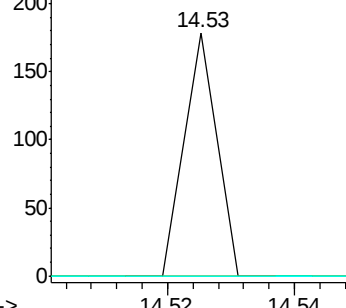
65 100

92 0.0 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



#50

2,6-Dinitrotoluene

Concen: 9.613 ng

RT: 15.02 min Scan# 1997

Delta R.T. -0.07 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

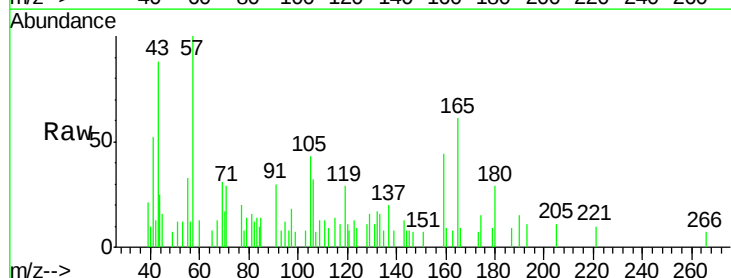
Tgt Ion: 165 Resp: 1854

Ion Ratio Lower Upper

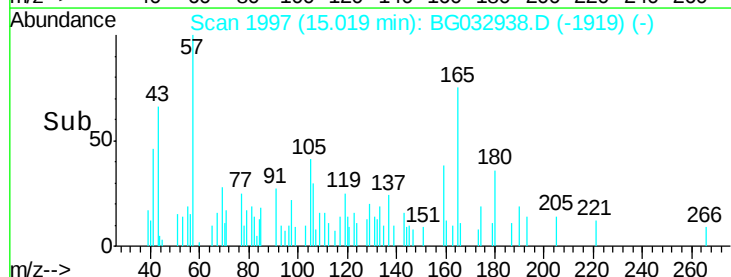
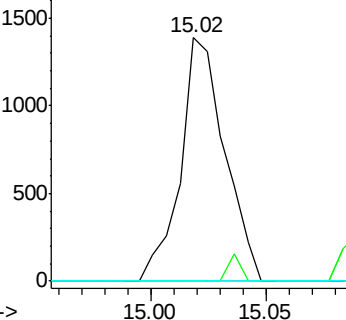
165 100

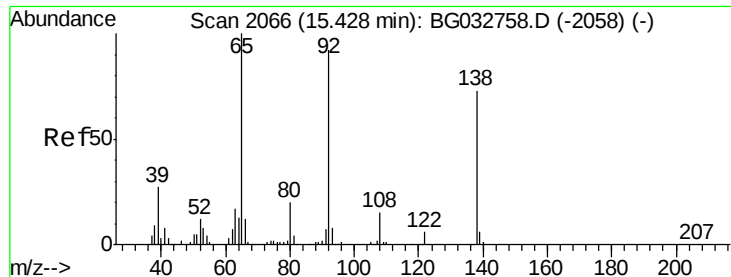
63 0.0 52.7 79.1#

89 0.0 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





#52

3-Nitroaniline

Concen: 7.561 ng

RT: 15.22 min Scan# 2032

Delta R.T. -0.19 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

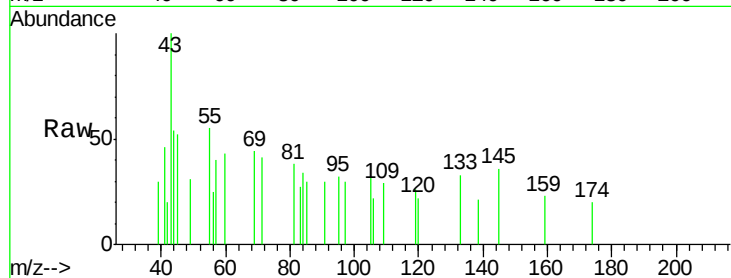
Instrument :

BNA_G

ClientSampleId :

Tot Ion:138 Resp: 56

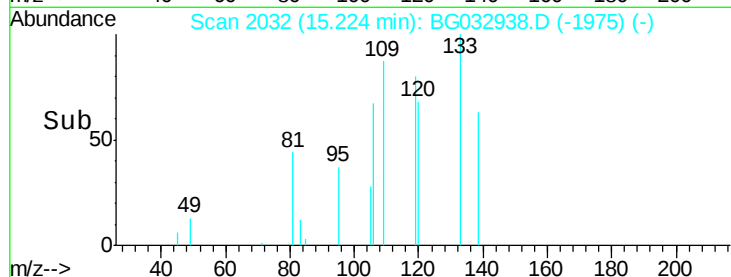
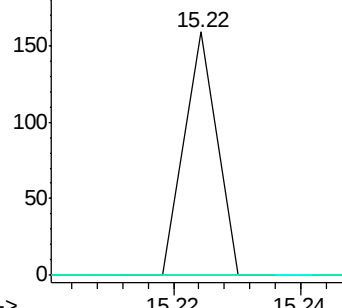
Ion	Ratio	Lower	Upper
138	100		
108	0.0	17.5	26.3#
92	0.0	105.8	158.8#



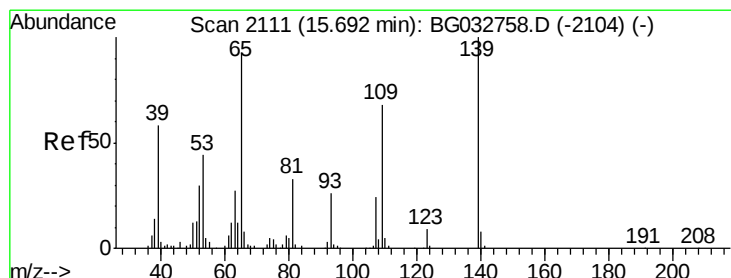
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



Time-->



#55

4-Nitrophenol

Concen: 7.307 ng

RT: 15.72 min Scan# 2117

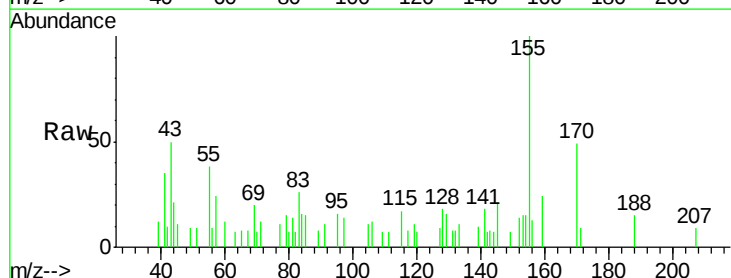
Delta R.T. 0.04 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Tgt Ion:139 Resp: 519

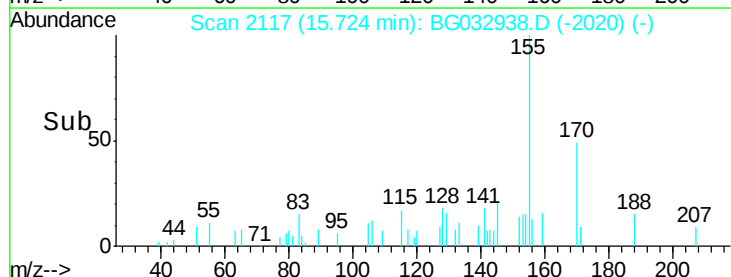
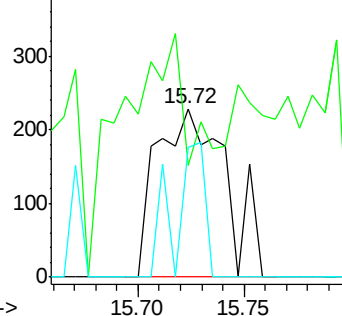
Ion	Ratio	Lower	Upper
139	100		
109	66.4	62.2	102.2
65	76.9	97.2	137.2#



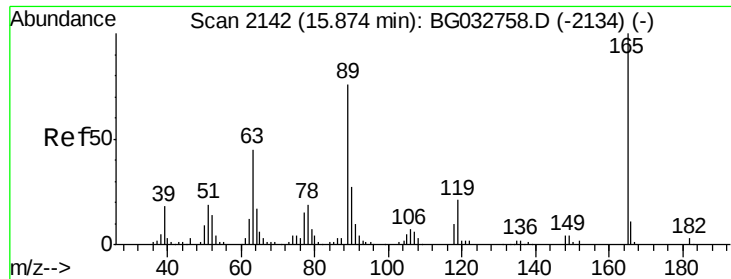
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



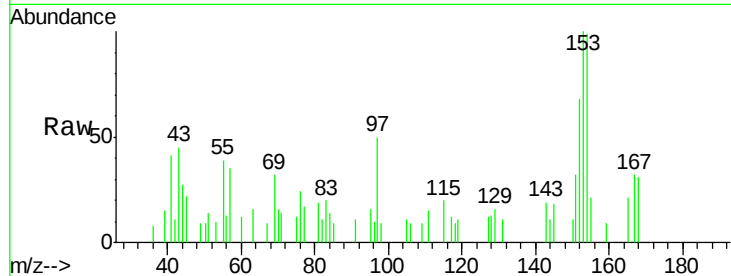
Time-->



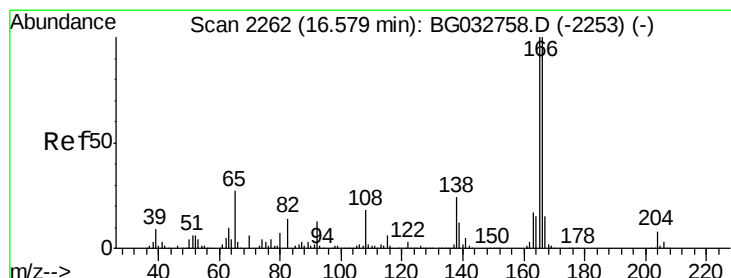
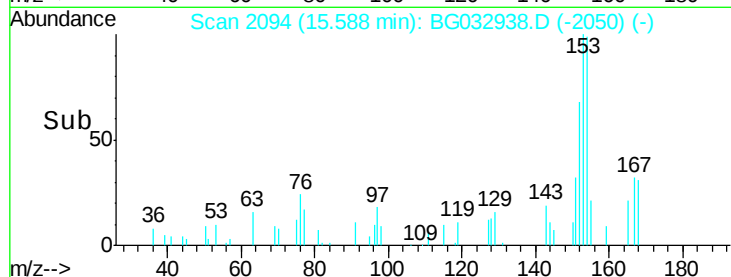
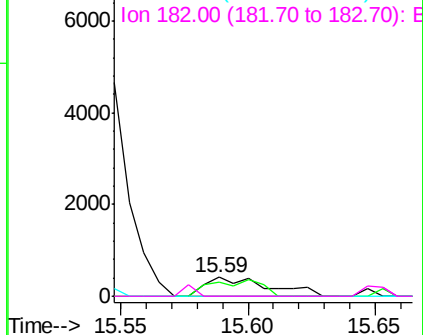
#56
2,4-Dinitrotoluene
Concen: 7.094 ng
RT: 15.59 min Scan# 2094
Delta R.T. -0.27 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 715
Ion Ratio Lower Upper
165 100
63 74.3 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

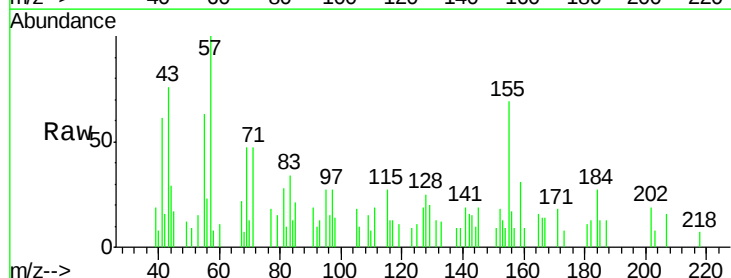


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

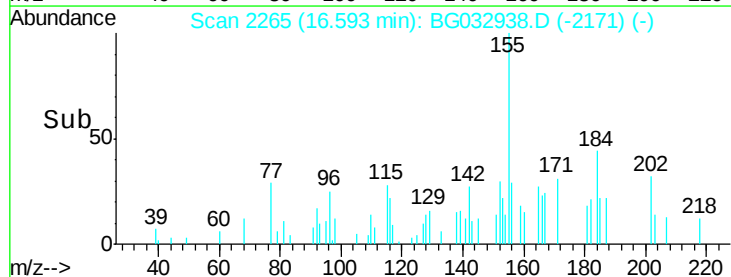
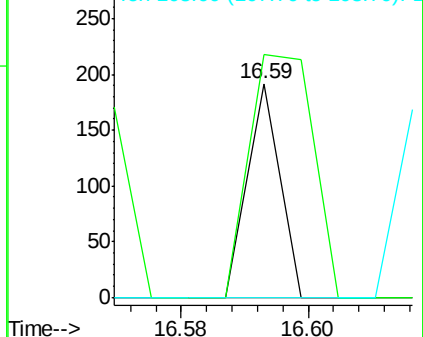


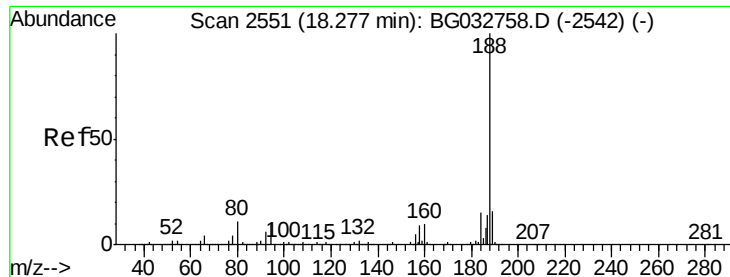
#61
4-Nitroaniline
Concen: 5.322 ng
RT: 16.59 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion:138 Resp: 68
Ion Ratio Lower Upper
138 100
92 113.5 40.1 80.1#
108 0.0 65.4 105.4#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

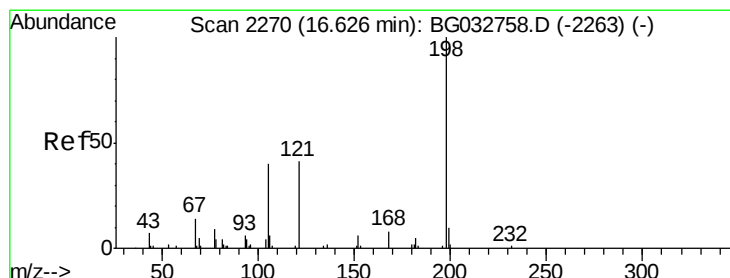
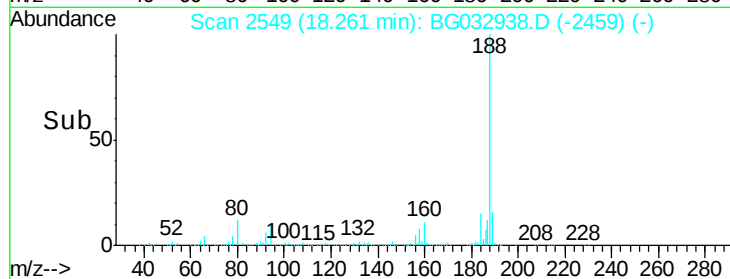
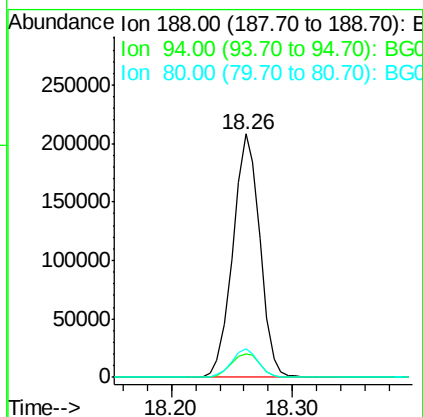
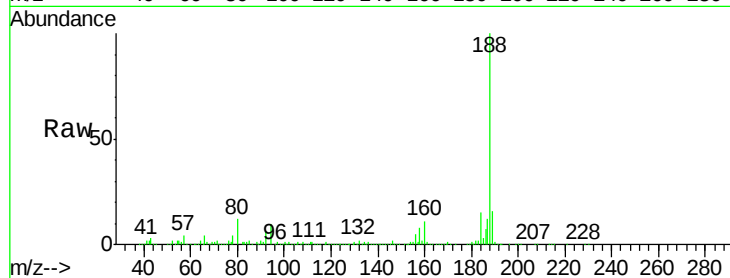




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

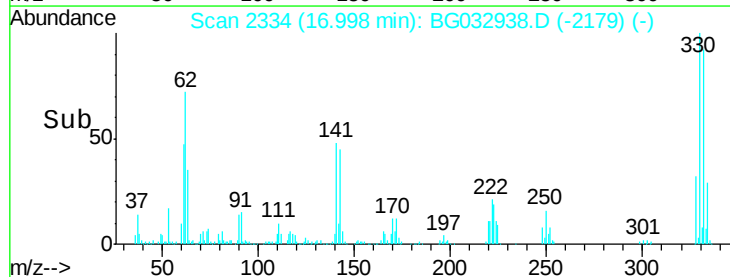
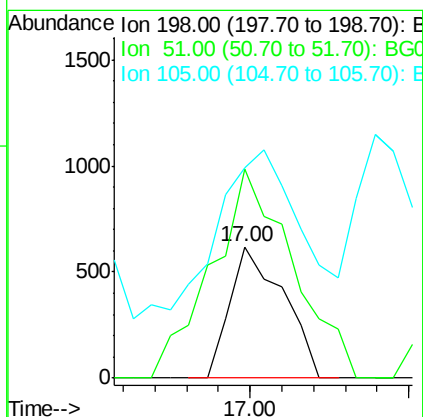
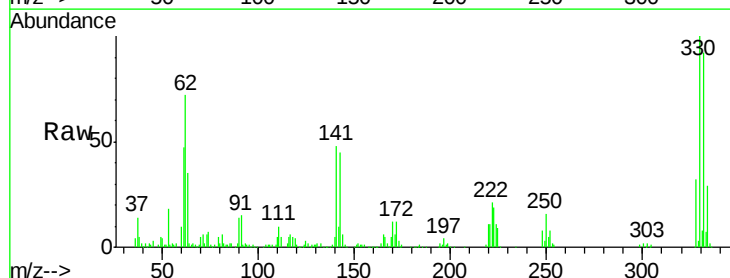
Instrument :
BNA_G
ClientSampled :

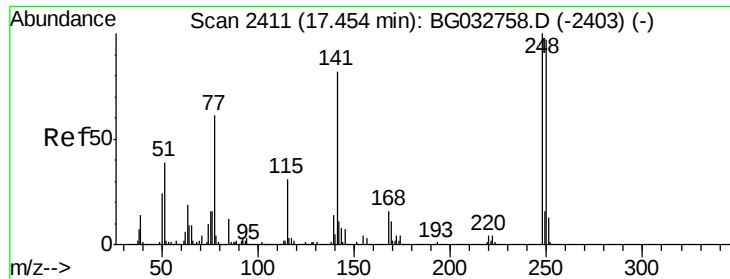
Tot Ion:188 Resp: 324301
Ion Ratio Lower Upper
188 100
94 9.7 6.9 10.3
80 12.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.892 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion:198 Resp: 721
Ion Ratio Lower Upper
198 100
51 159.0 30.6 70.6#
105 159.8 23.8 63.8#

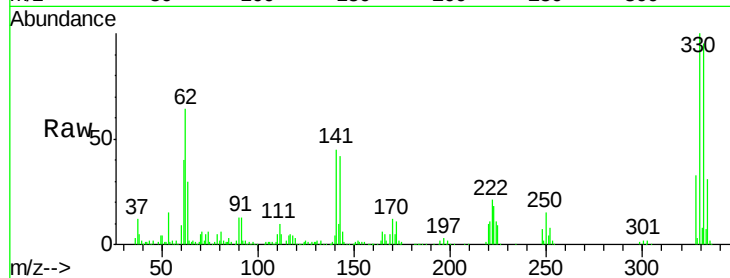




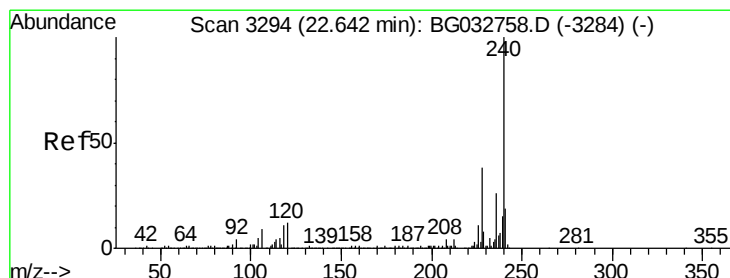
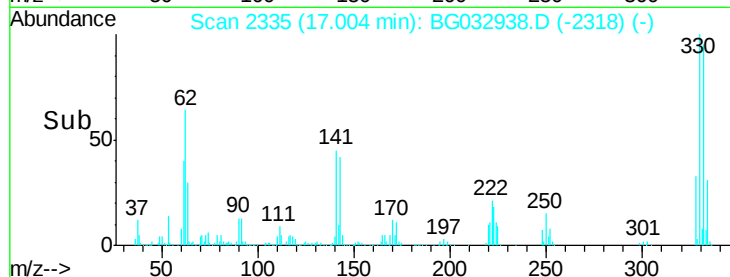
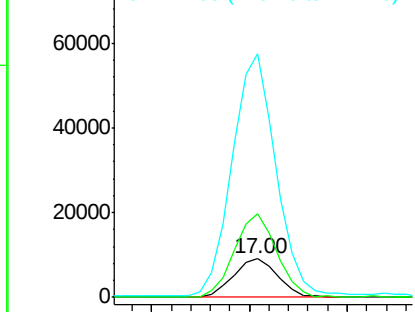
#66
4-Bromophenyl-phenylether
Concen: 4.213 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.43 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14448
Ion Ratio Lower Upper
248 100
250 215.3 77.1 115.7#
141 628.8 50.8 76.2#

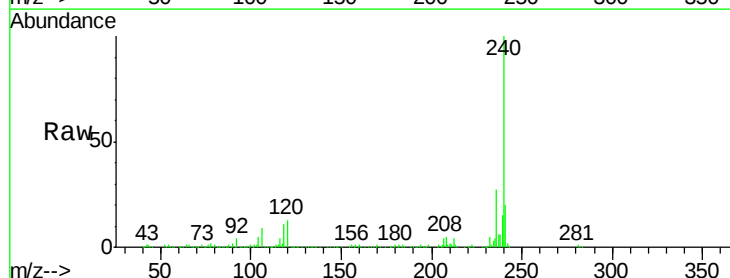


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

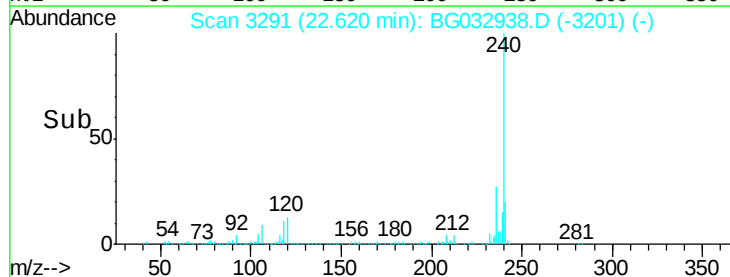
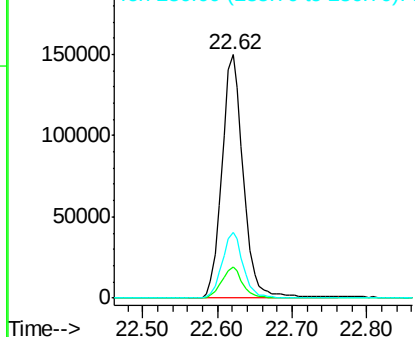


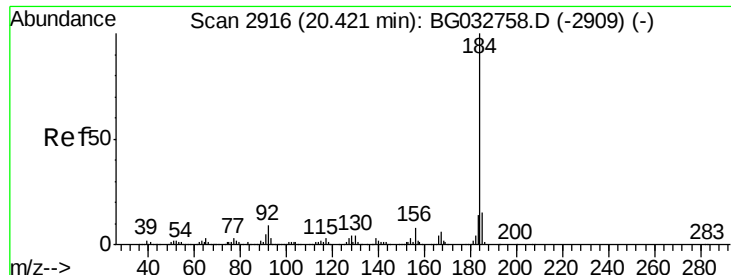
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. 0.00 min
Lab File: BG032938.D
Acq: 2 Mar 2018 5:33

Tgt Ion:240 Resp: 300003
Ion Ratio Lower Upper
240 100
120 12.6 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: 2.246 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

Instrument :

BNA_G

ClientSampleId :

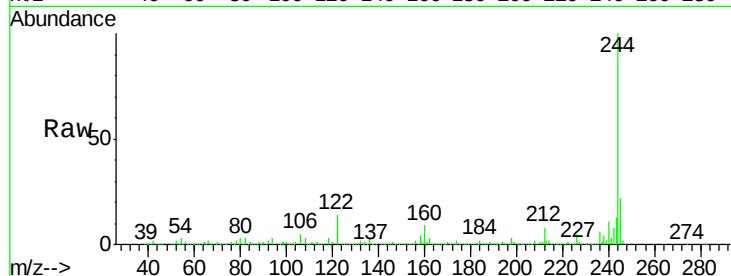
Tot Ion:184 Resp: 22972

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

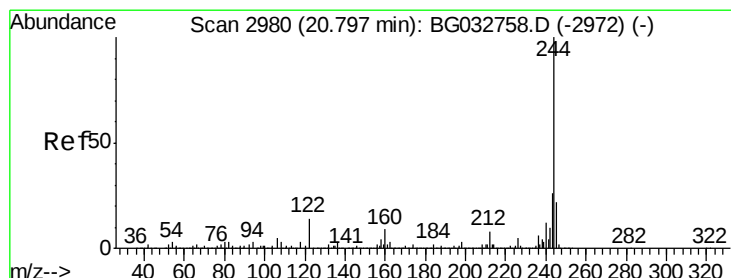
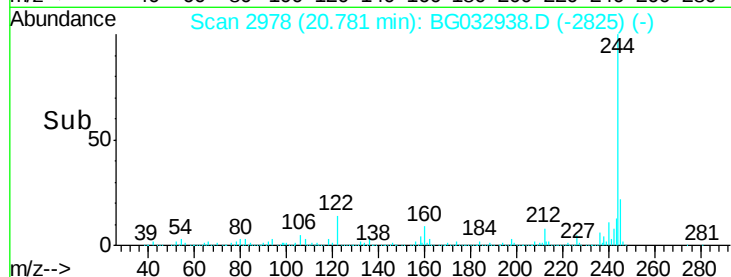
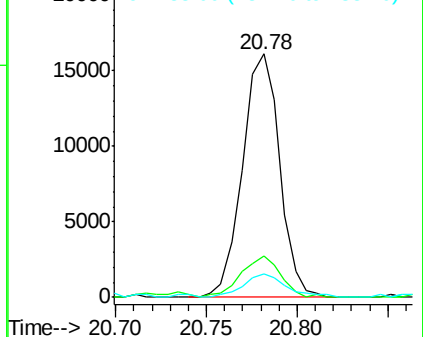
183 9.7 10.6 16.0#



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: 99.643 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032938.D

Acq: 2 Mar 2018 5:33

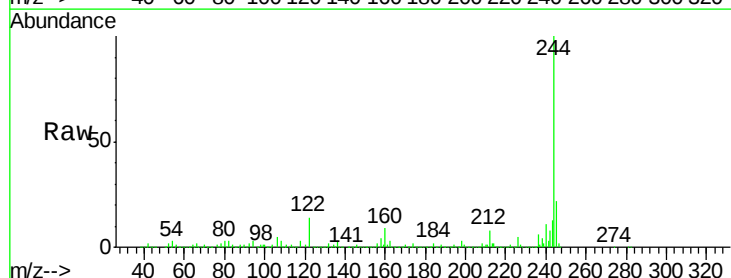
Tgt Ion:244 Resp: 1330524

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

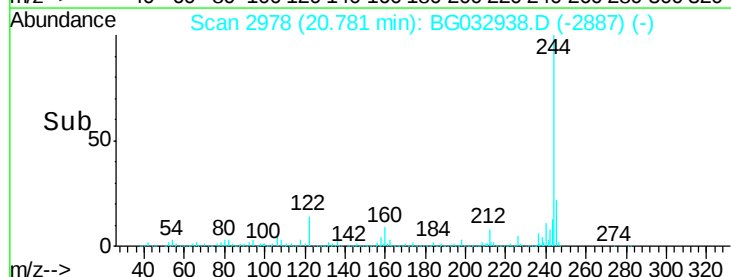
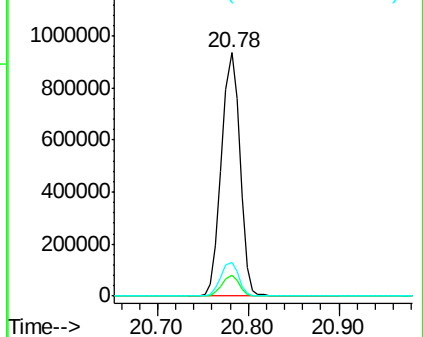
122 13.6 7.0 10.4#

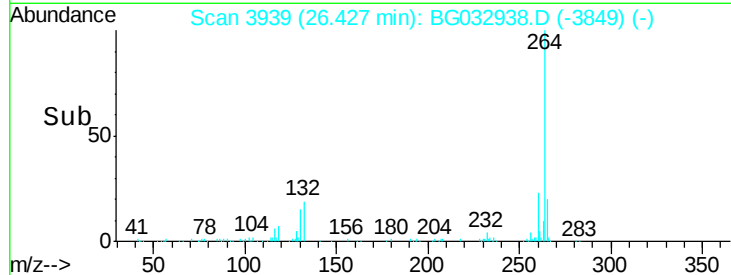
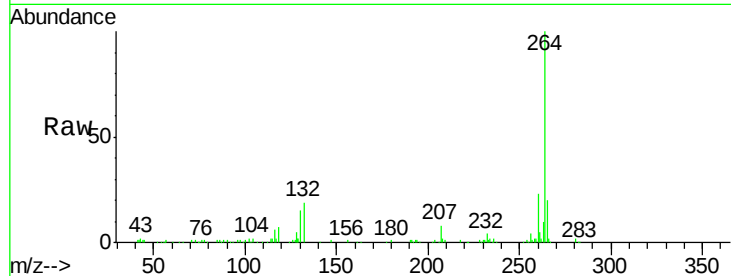
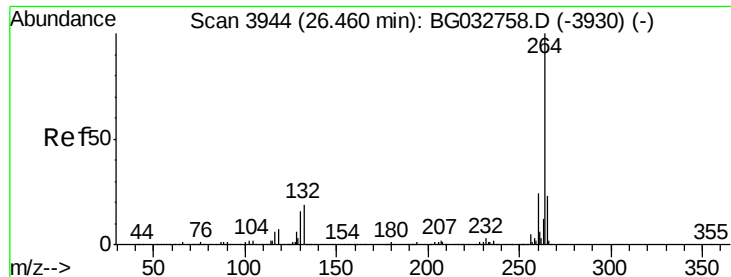


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.43 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: BG032938.D
 Acq: 2 Mar 2018 5:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	285463
Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.2	17.7	26.5

