

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032972.D
 Acq On : 3 Mar 2018 8:36
 Operator : SJ/JU
 Sample : J1767-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:35:45 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

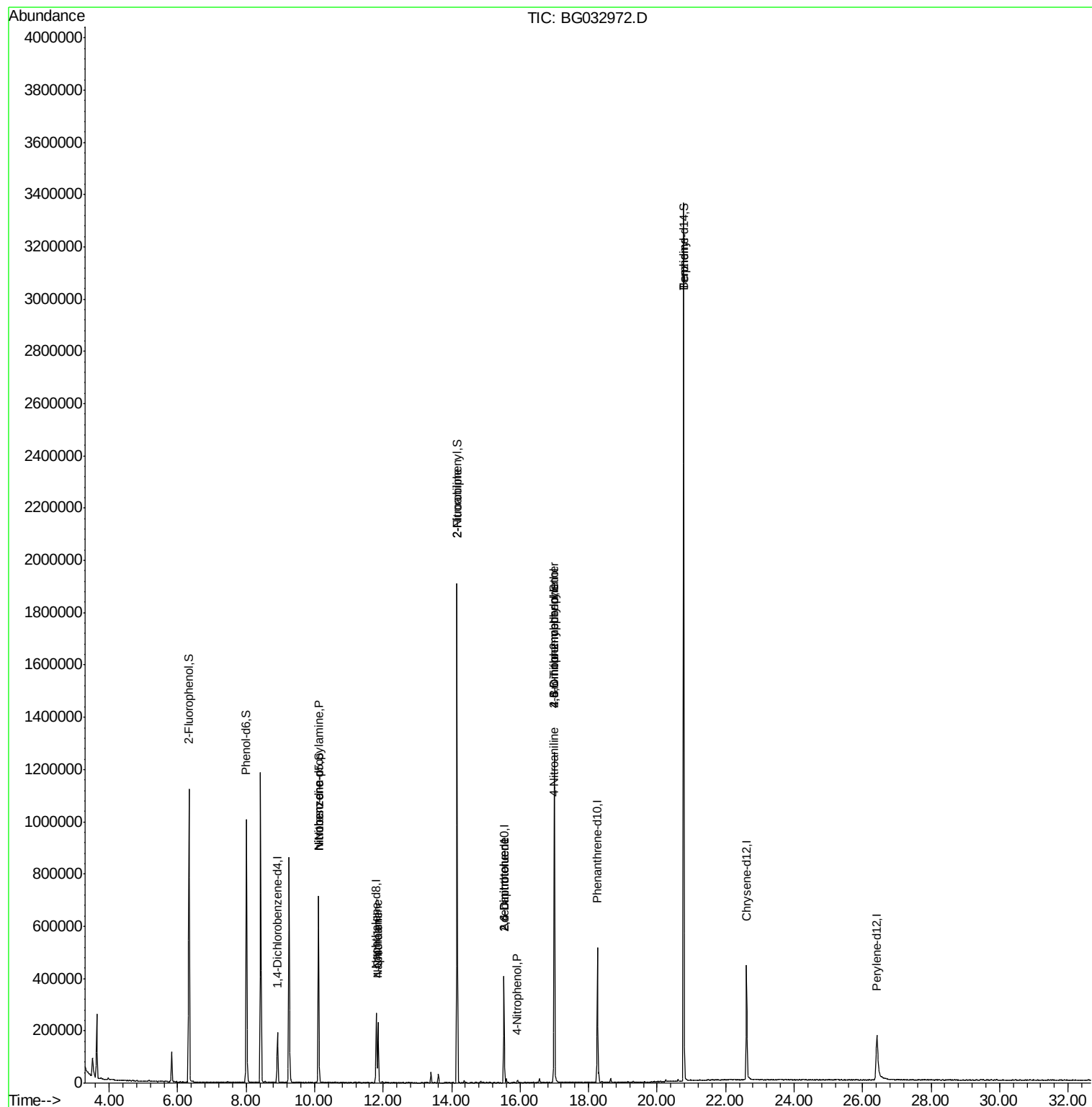
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	56633	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	244843	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	137341	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	319480	20.00	ng	0.00
75) Chrysene-d12	22.61	240	291692	20.00	ng	0.00
86) Perylene-d12	26.42	264	274321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	526247	148.66	ng	0.00
7) Phenol-d6	8.01	99	638425	129.39	ng	0.00
23) Nitrobenzene-d5	10.11	82	455662	124.00	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	220410	152.63	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	954341	100.22	ng	0.00
78) Terphenyl-d14	20.77	244	1496228	115.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	58975	16.931	ng	Qvalue # 84
24) Nitrobenzene	10.12	77	1236	6.655	ng	# 43
31) Naphthalene	11.85	128	200116	15.641	ng	# 96
33) 4-Chloroaniline	11.86	127	27494	4.806	ng	# 33
47) 2-Nitroaniline	14.16	65	1875	10.495	ng	# 6
50) 2,6-Dinitrotoluene	15.53	165	18149	16.558	ng	# 21
55) 4-Nitrophenol	15.92	139	2794	8.414	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	18149	14.757	ng	# 19
61) 4-Nitroaniline	16.98	138	56	5.319	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.99	198	713	5.896	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16611	4.917	ng	# 1
76) Benzidine	20.77	184	26485	2.664	ng	# 91

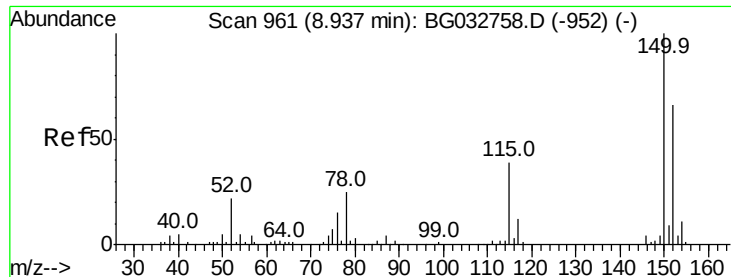
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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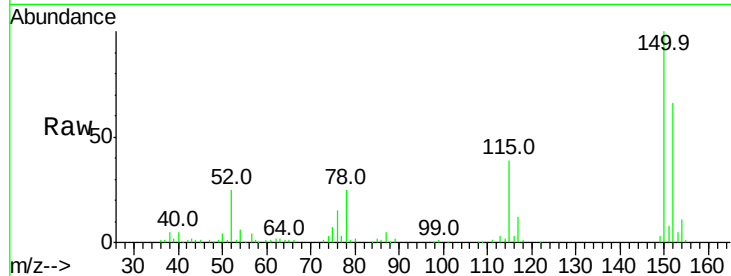


#1

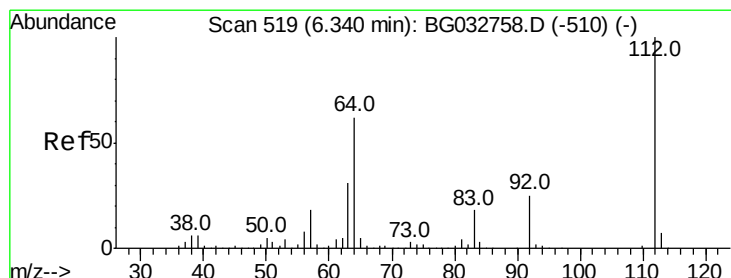
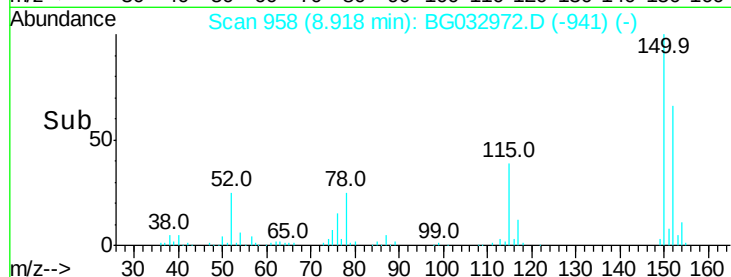
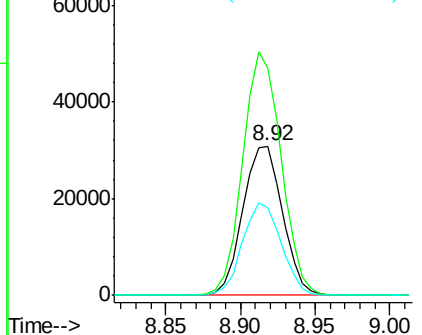
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56633
Ion Ratio Lower Upper
152 100
150 151.9 126.6 189.8
115 58.6 53.0 79.4



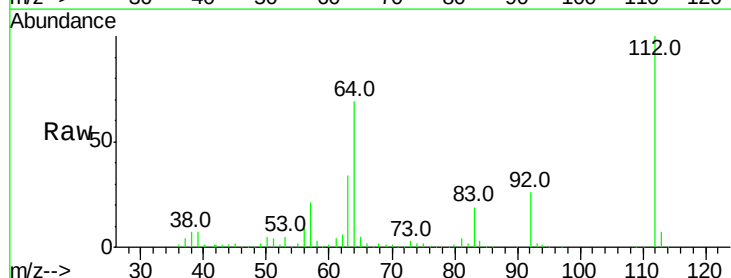
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



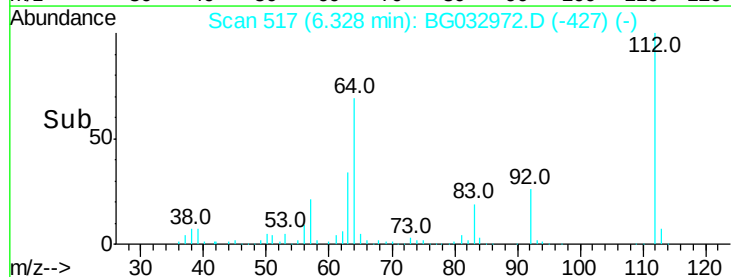
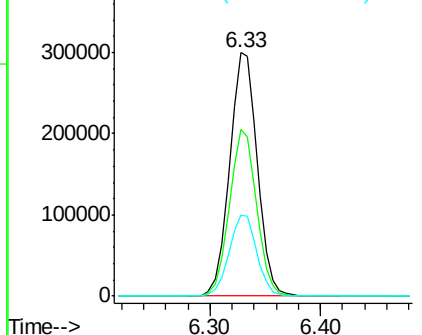
#5

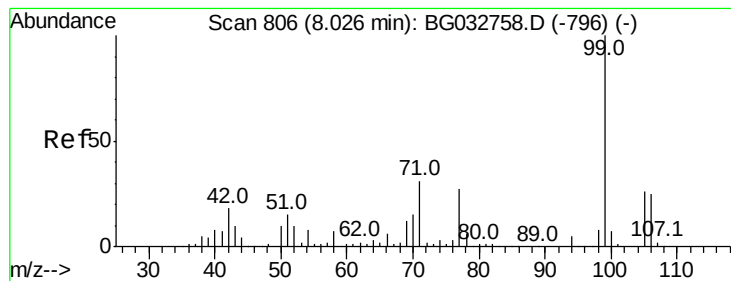
2-Fluorophenol
Concen: 148.662 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Tgt Ion:112 Resp: 526247
Ion Ratio Lower Upper
112 100
64 68.7 56.3 84.5
63 33.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 129.390 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Instrument :

BNA_G

ClientSampled :

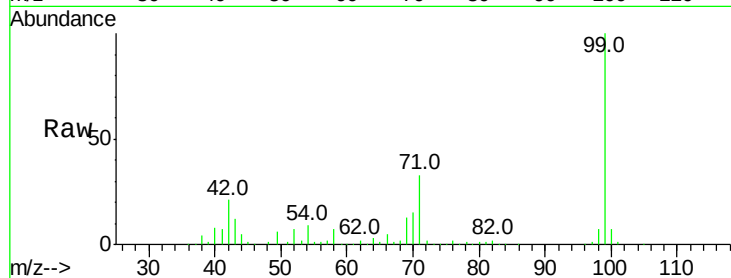
Tot Ion: 99 Resp: 638425

Ion Ratio Lower Upper

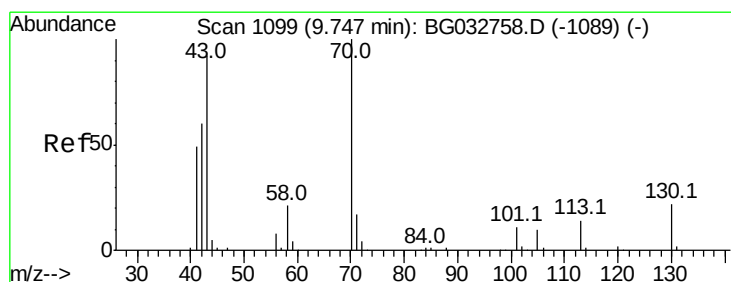
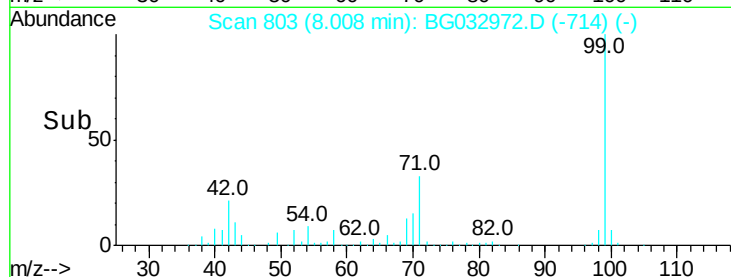
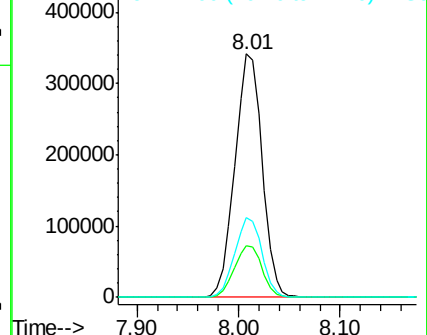
99 100

42 21.2 14.1 21.1#

71 32.7 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: 16.931 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Tgt Ion: 70 Resp: 58975

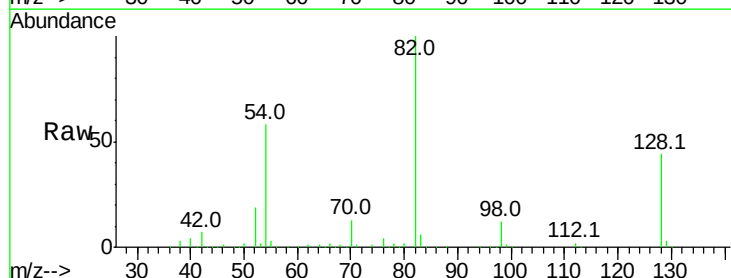
Ion Ratio Lower Upper

70 100

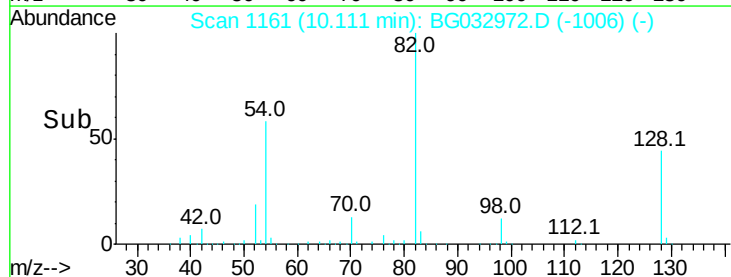
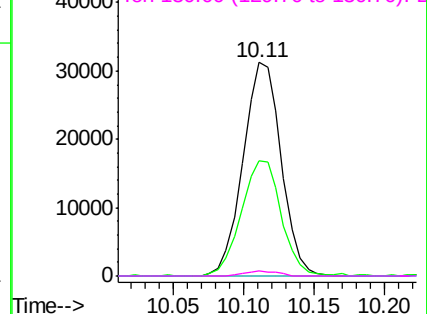
42 54.1 49.1 73.7

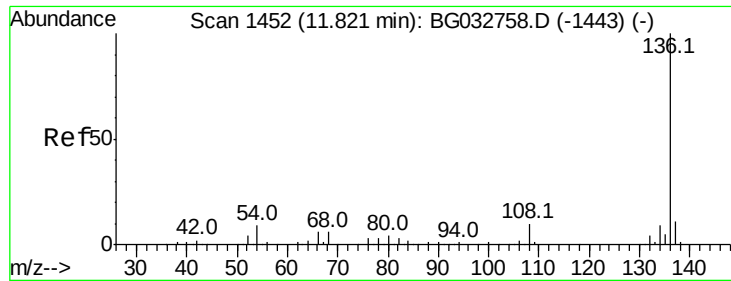
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

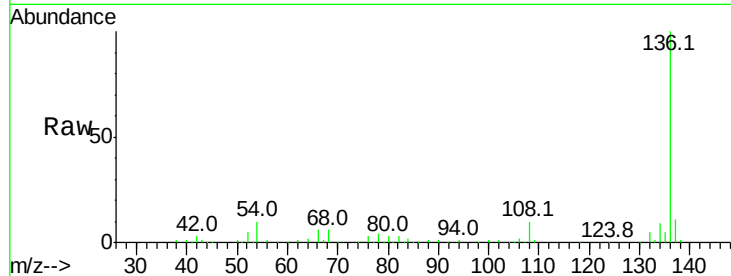




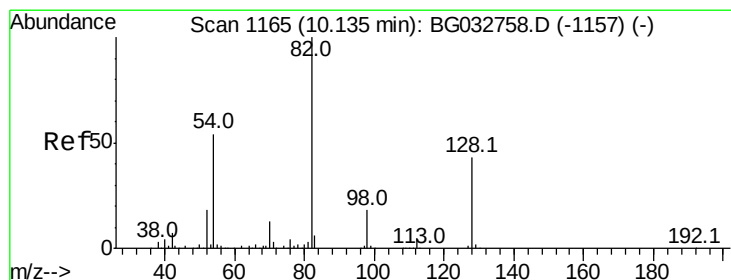
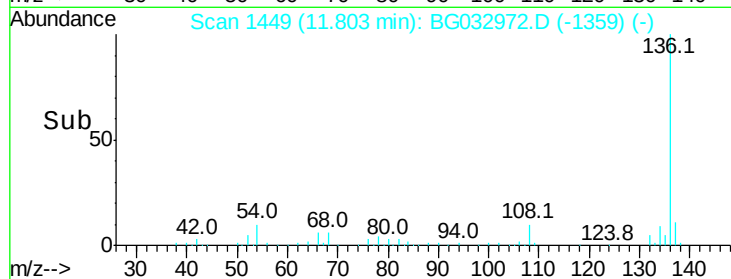
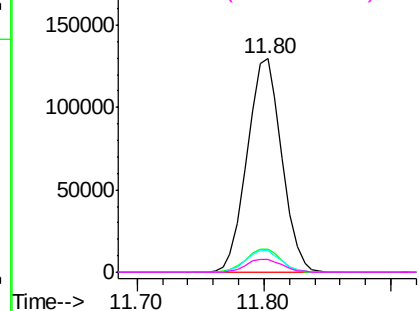
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	244843
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	10.0	10.3	15.5
68	6.3	4.5	6.7

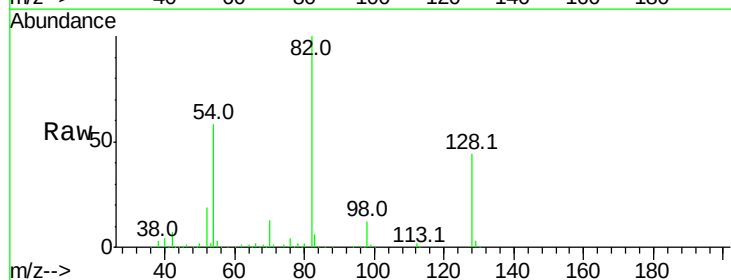


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

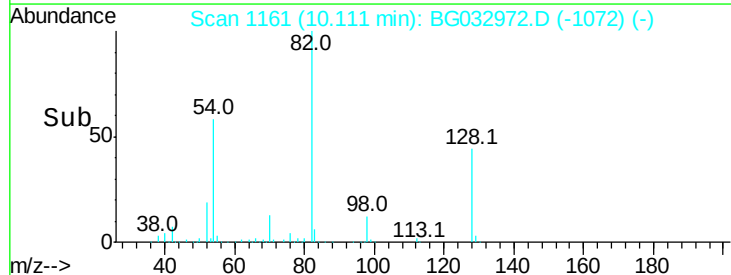
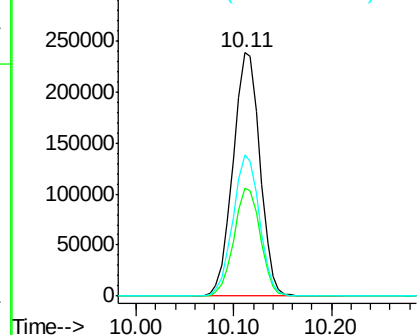


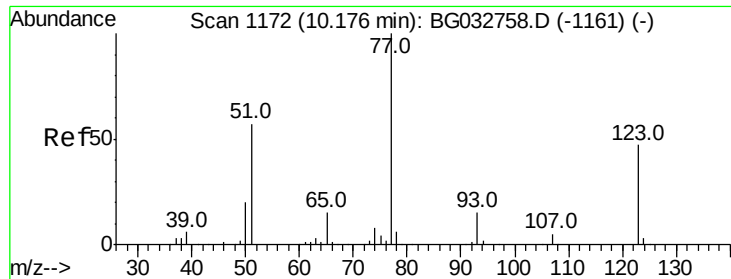
#23
Nitrobenzene-d5
Concen: 123.999 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Tgt Ion:	82	Resp:	455662
Ion	Ratio	Lower	Upper
82	100		
128	44.1	29.7	44.5
54	58.0	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: 6.655 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Instrument :

BNA_G

ClientSampleId :

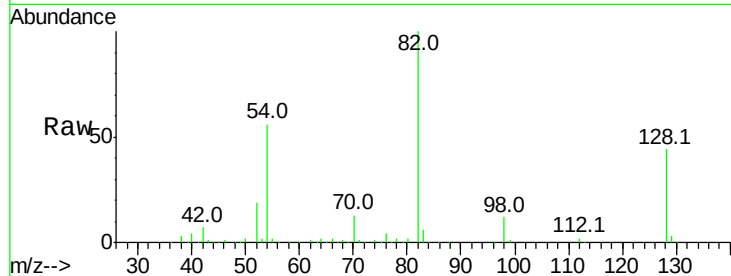
Tot Ion: 77 Resp: 1236

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

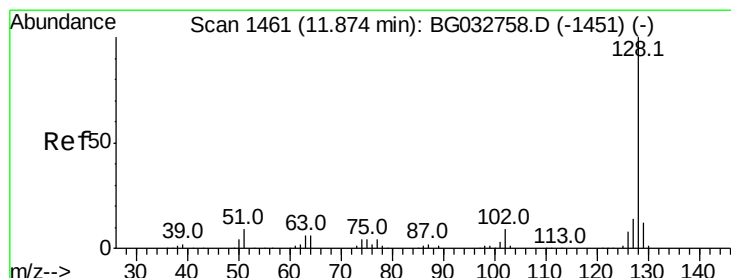
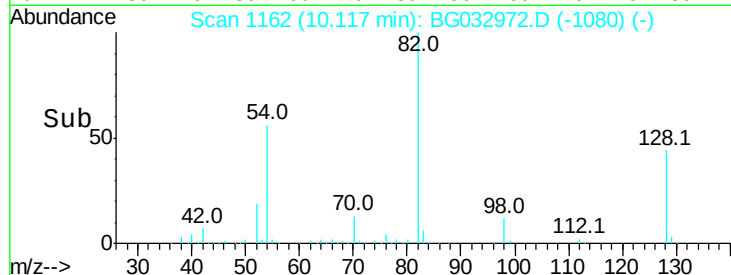
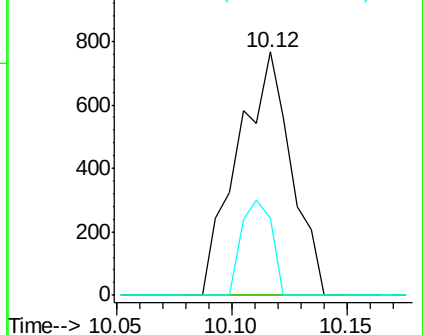
65 31.7 13.0 19.6#



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: 15.641 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

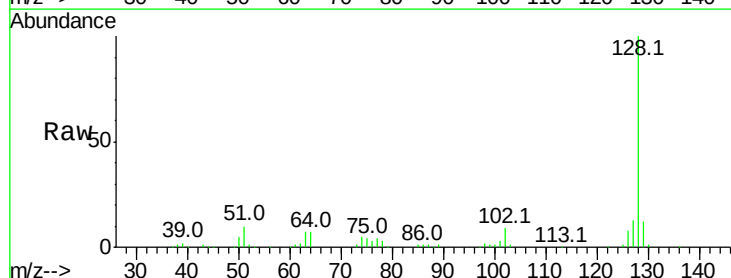
Tgt Ion: 128 Resp: 200116

Ion Ratio Lower Upper

128 100

129 12.1 8.6 12.8

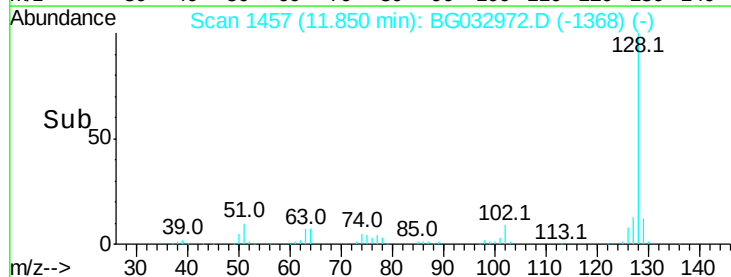
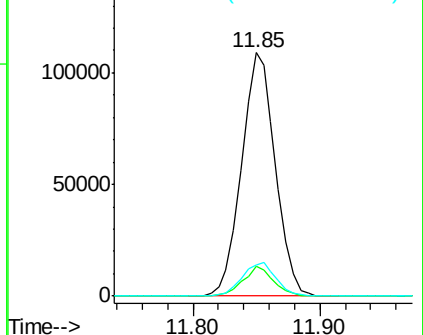
127 12.7 11.6 17.4

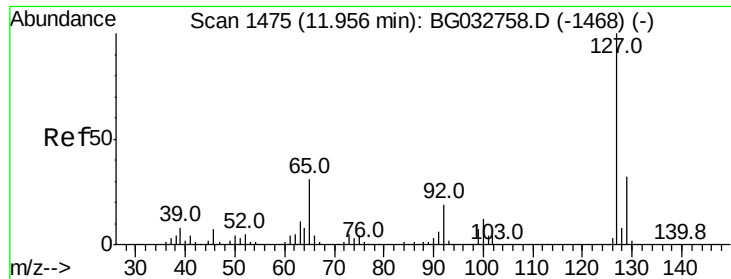


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

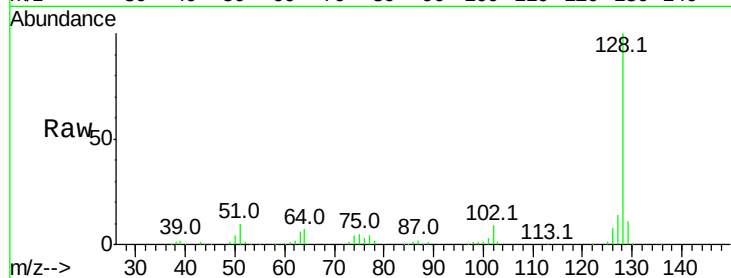




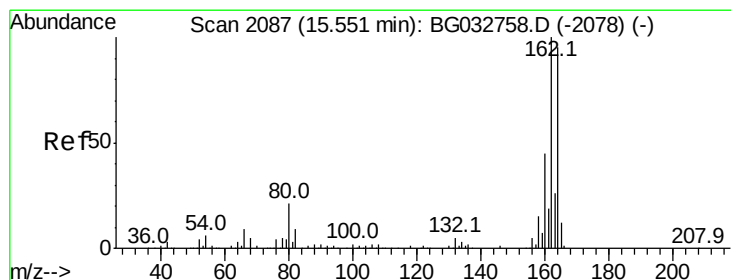
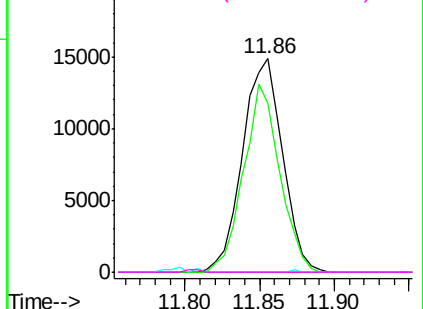
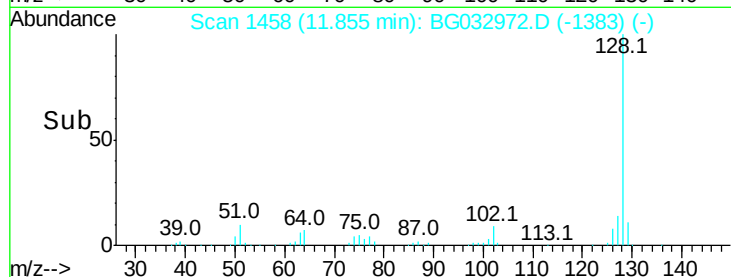
#33
4-Chloroaniline
Concen: 4.806 ng
RT: 11.86 min Scan# 1458
Delta R.T. -0.09 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 27494
Ion Ratio Lower Upper
127 100
129 79.2 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

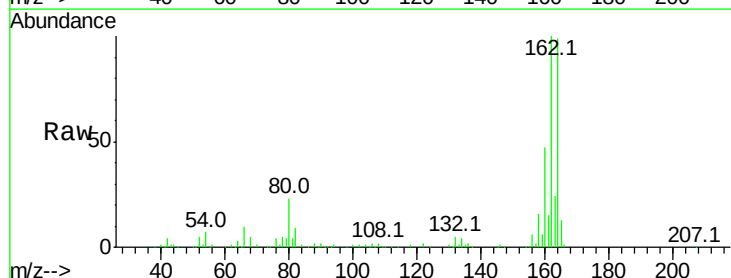


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

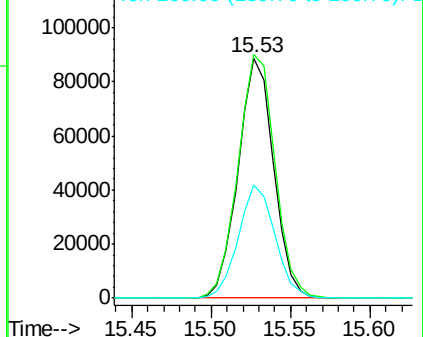
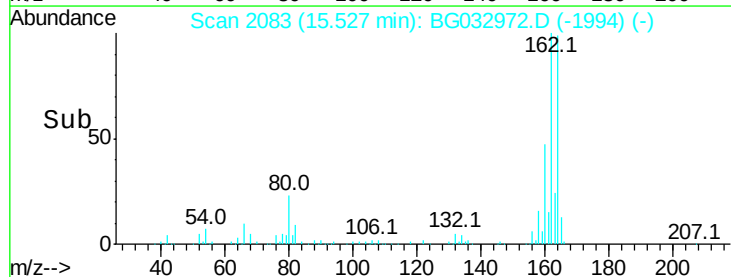


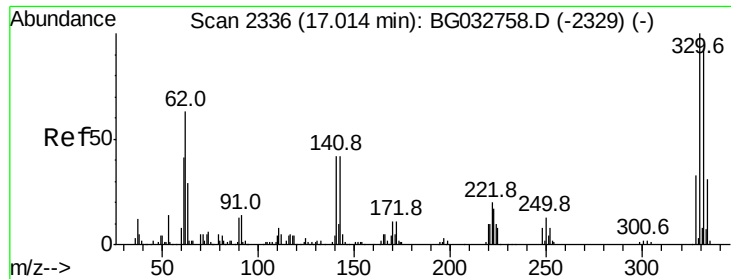
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Tgt Ion:164 Resp: 137341
Ion Ratio Lower Upper
164 100
162 101.4 78.8 118.2
160 47.2 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

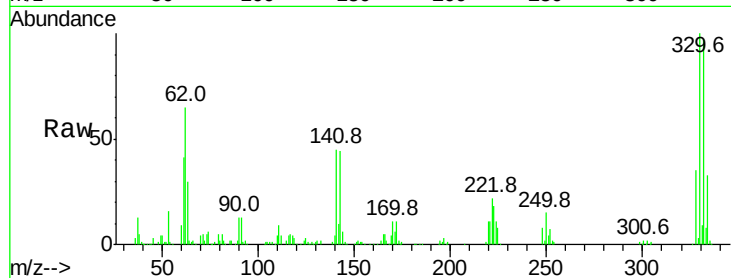




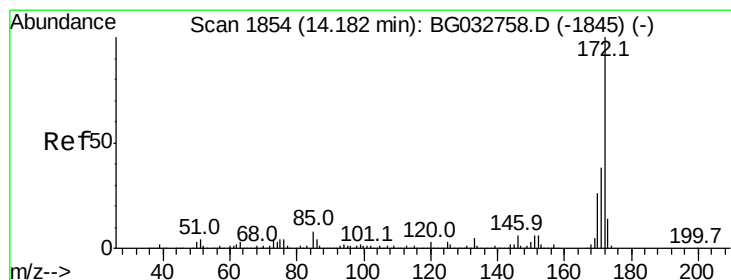
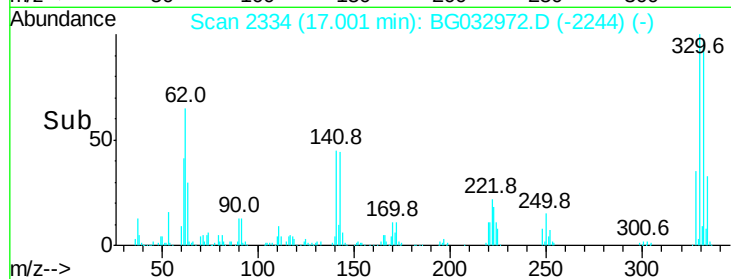
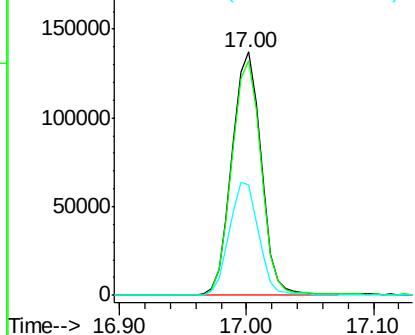
#41
 2,4,6-Tribromophenol
 Concen: 152.629 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 220410
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 46.6 25.2 37.8#

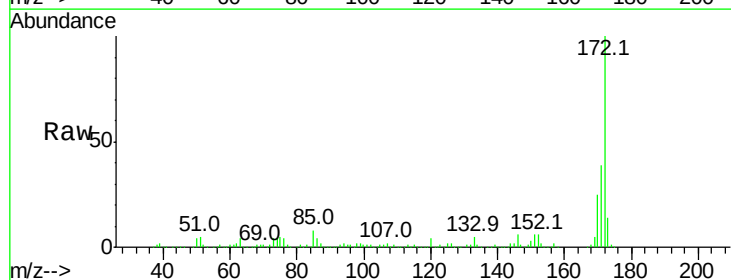


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

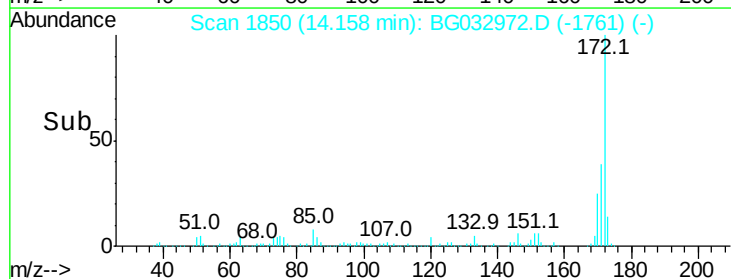
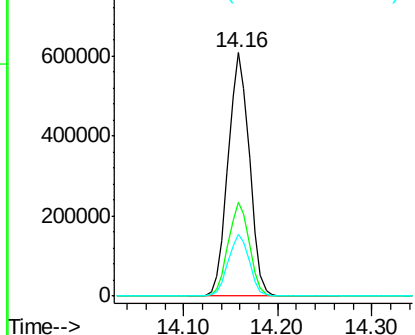


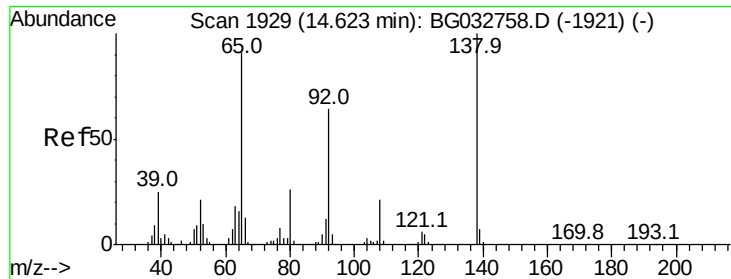
#44
 2-Fluorobiphenyl
 Concen: 100.218 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Tgt Ion:172 Resp: 954341
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.2 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

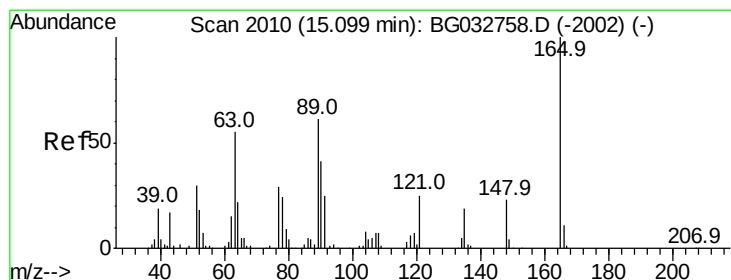
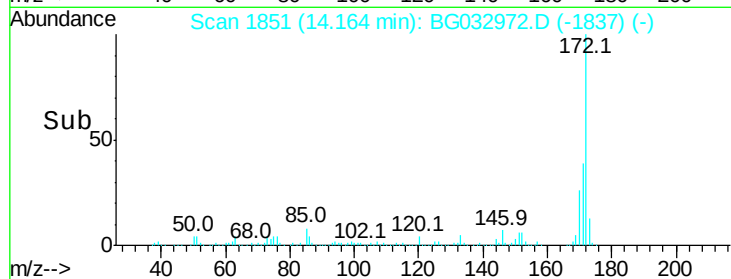
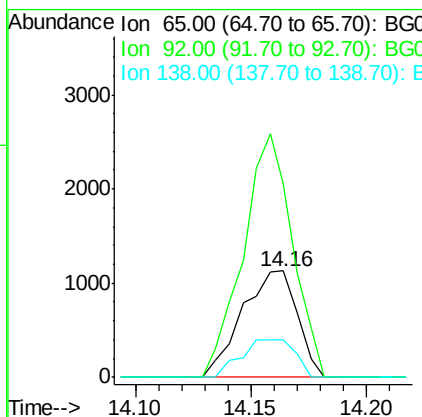
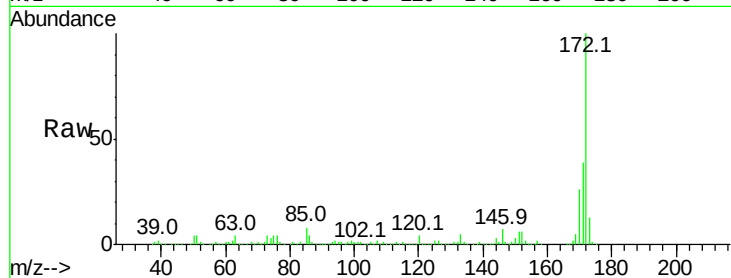




#47
 2-Nitroaniline
 Concen: 10.495 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.45 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

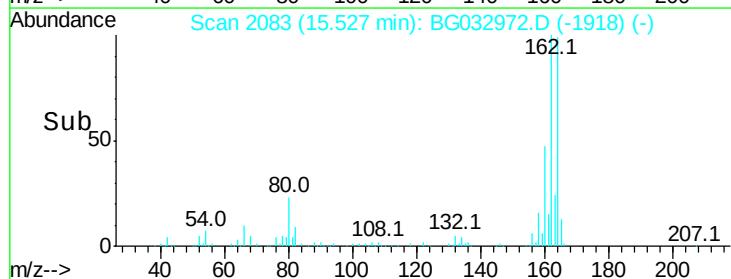
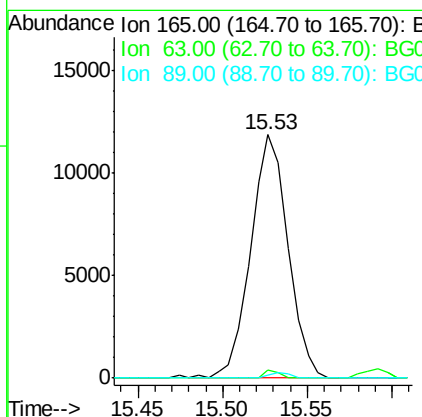
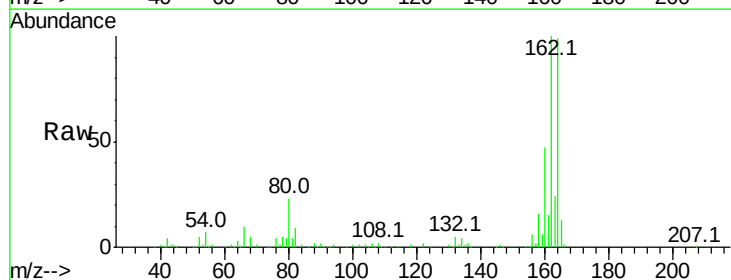
Instrument :
 BNA_G
 ClientSampled :

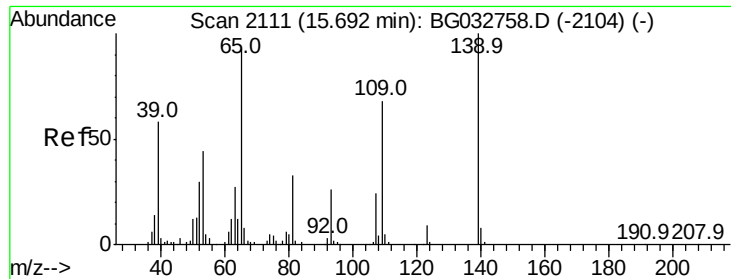
Tot Ion: 65 Resp: 1875
 Ion Ratio Lower Upper
 65 100
 92 182.3 54.6 82.0#
 138 35.2 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.558 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Tgt Ion:165 Resp: 18149
 Ion Ratio Lower Upper
 165 100
 63 3.1 52.7 79.1#
 89 1.5 49.2 73.8#





#55

4-Nitrophenol

Concen: 8.414 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Instrument :

BNA_G

ClientSampleId :

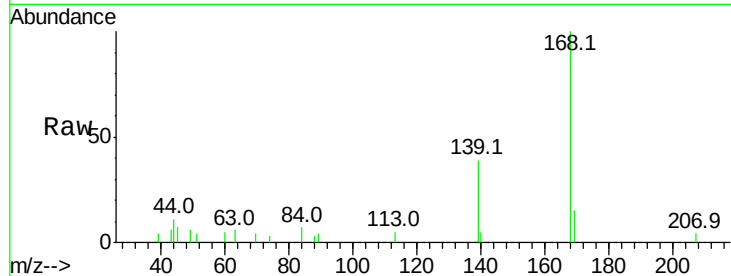
Tot Ion:139 Resp: 2794

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

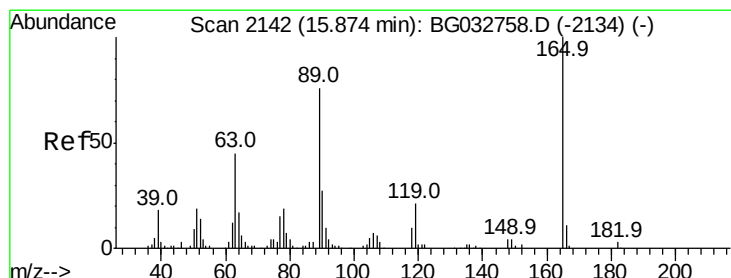
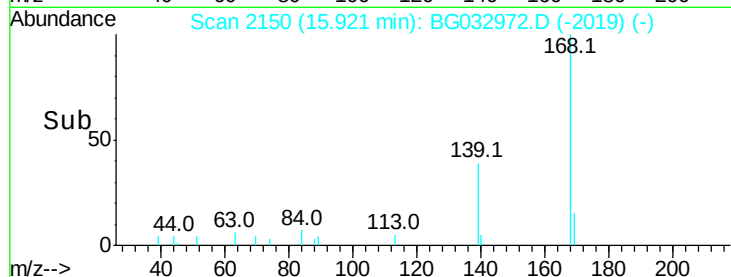
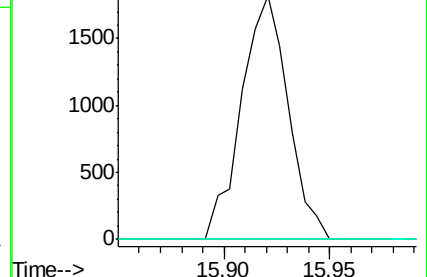
65 0.0 97.2 137.2#



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): BGC



#56

2,4-Dinitrotoluene

Concen: 14.757 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Tgt Ion:165 Resp: 18149

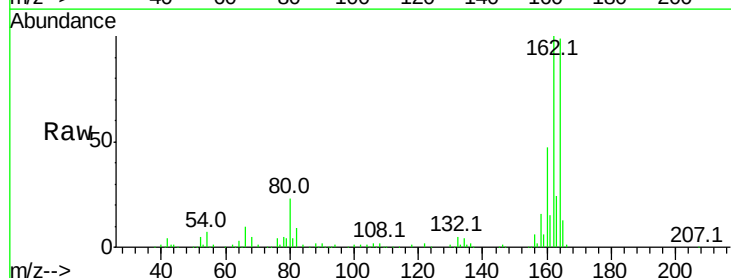
Ion Ratio Lower Upper

165 100

63 3.1 42.0 63.0#

89 1.5 66.9 100.3#

182 0.0 2.6 3.8#

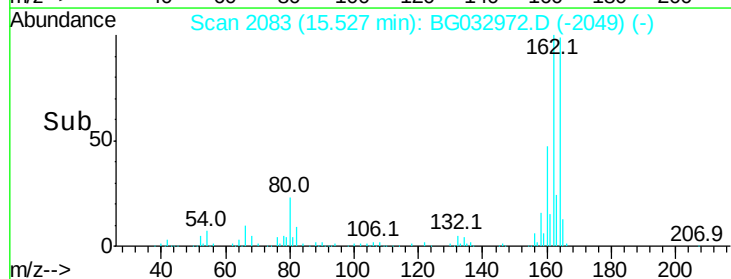
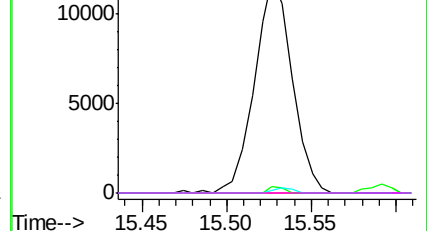


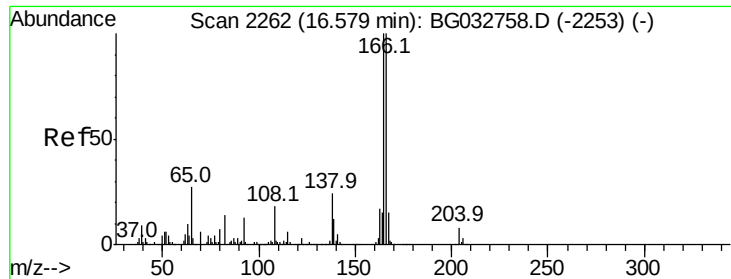
Abundance Ion 165.00 (164.70 to 165.70): E

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

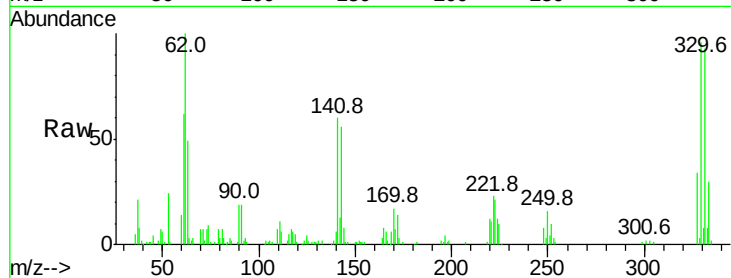




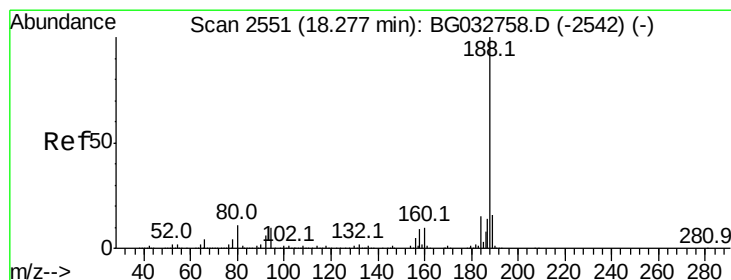
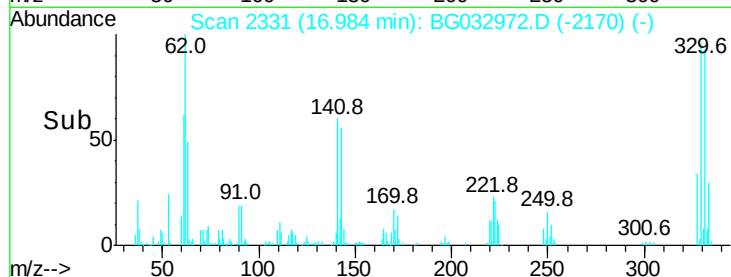
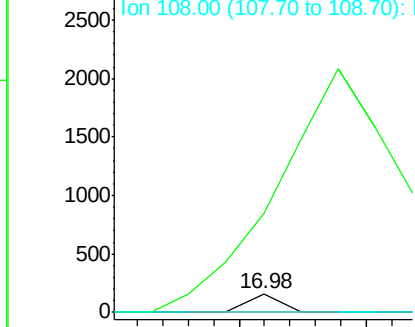
#61
4-Nitroaniline
Concen: 5.319 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.41 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 532.9 40.1 80.1#
108 0.0 65.4 105.4#

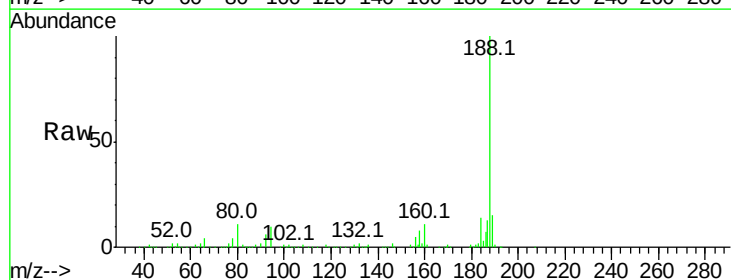


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG032972.D (-2458) (-)
Ion 108.00 (107.70 to 108.70): BG032972.D (-2458) (-)

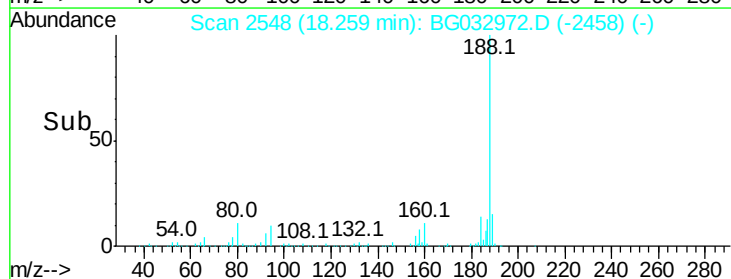
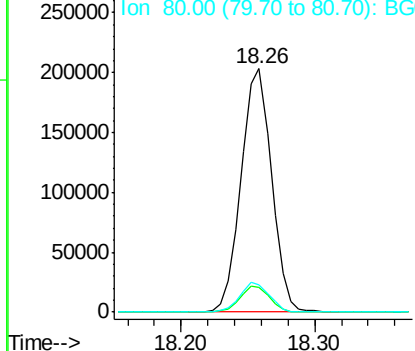


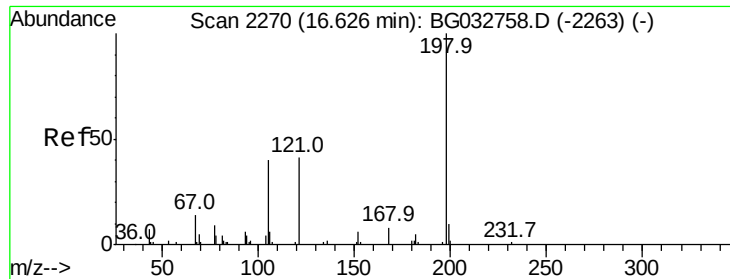
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG032972.D
Acq: 3 Mar 2018 8:36

Tgt Ion:188 Resp: 319480
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 11.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG032972.D (-2458) (-)
Ion 80.00 (79.70 to 80.70): BG032972.D (-2458) (-)

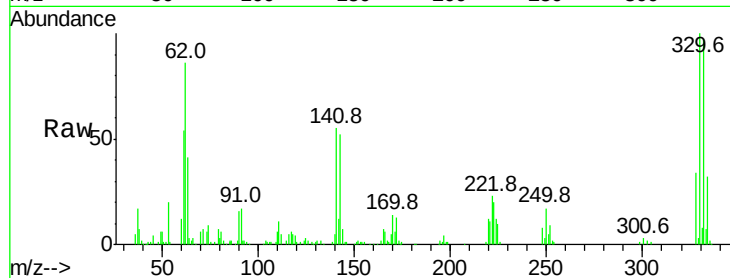




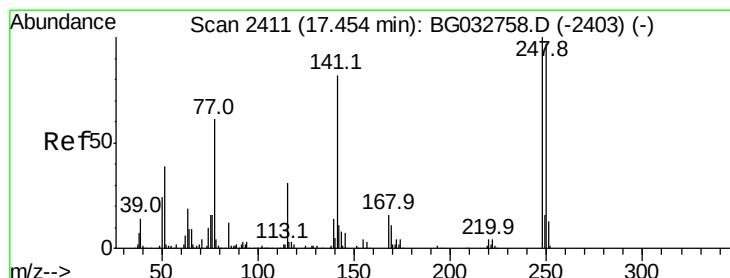
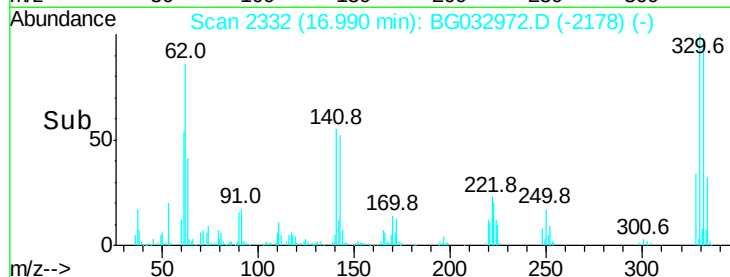
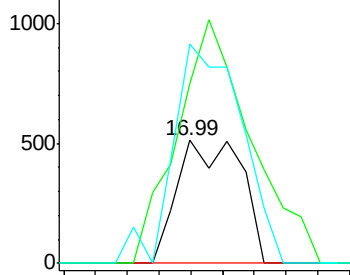
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.896 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.37 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 713
 Ion Ratio Lower Upper
 198 100
 51 146.1 30.6 70.6#
 105 177.8 23.8 63.8#

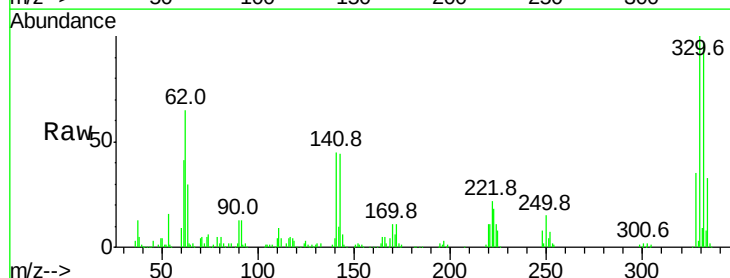


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

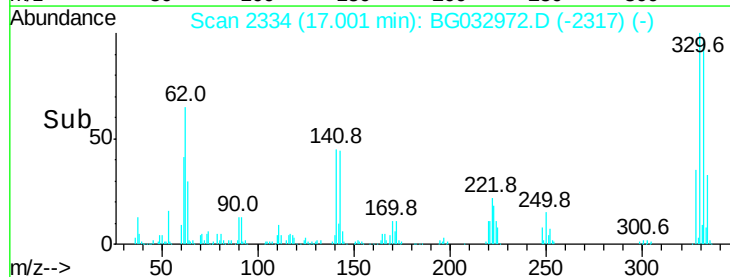
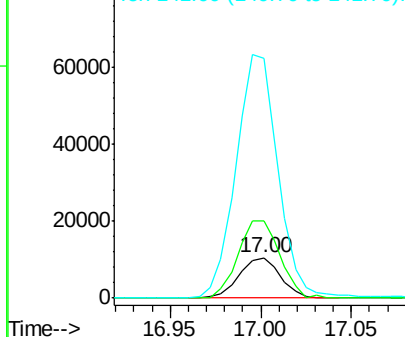


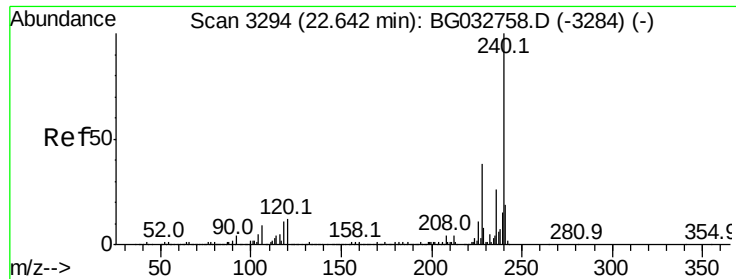
#66
 4-Bromophenyl-phenylether
 Concen: 4.917 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Tgt Ion:248 Resp: 16611
 Ion Ratio Lower Upper
 248 100
 250 191.6 77.1 115.7#
 141 593.7 50.8 76.2#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

Instrument :

BNA_G

ClientSampleId :

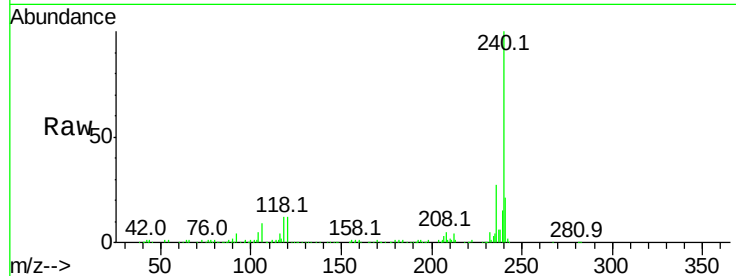
Tot Ion:240 Resp: 291692

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

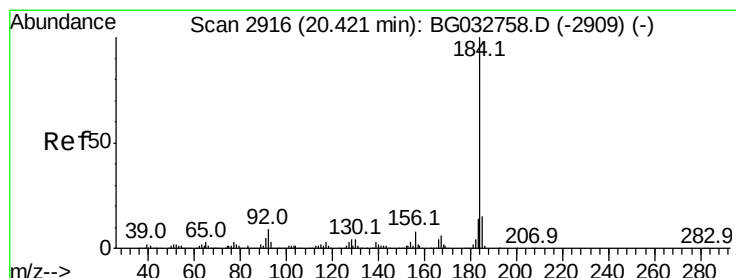
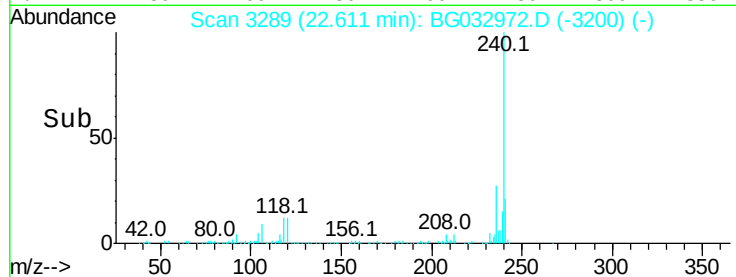
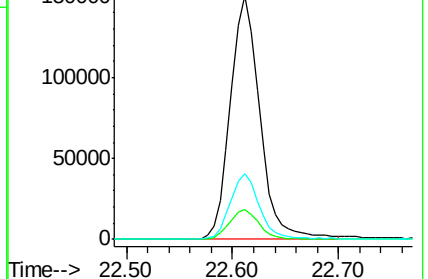
236 26.8 20.9 31.3



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: 2.664 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032972.D

Acq: 3 Mar 2018 8:36

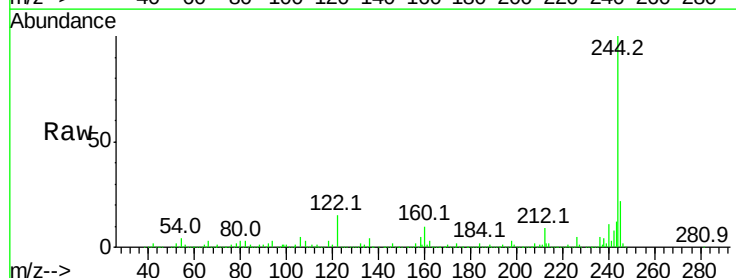
Tgt Ion:184 Resp: 26485

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

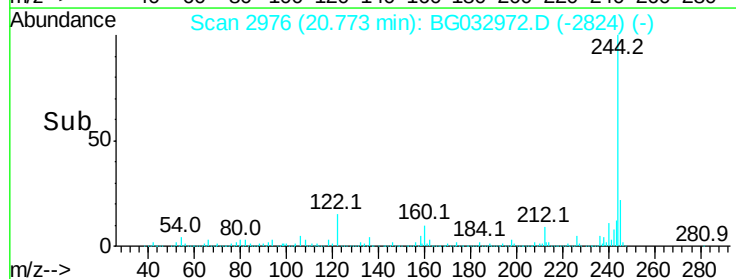
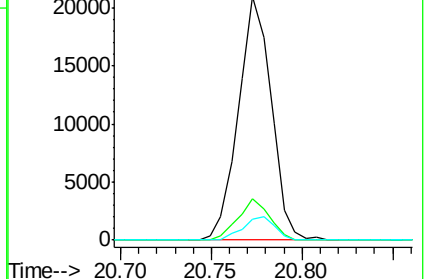
183 8.5 10.6 16.0#

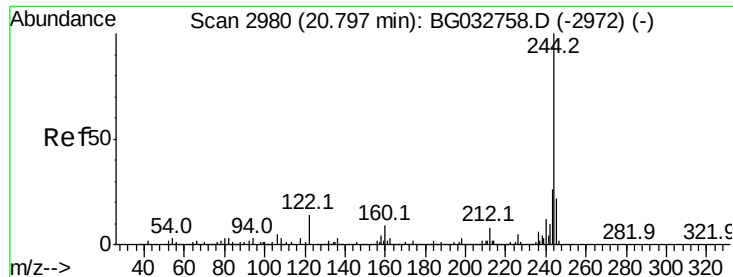


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



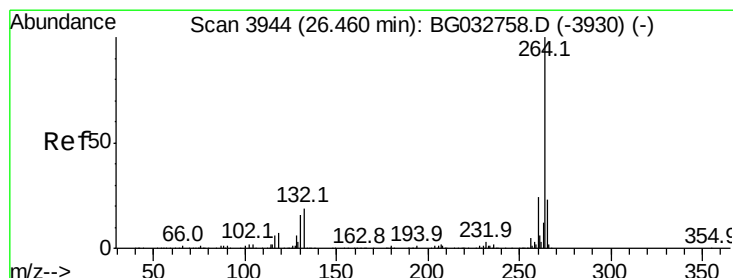
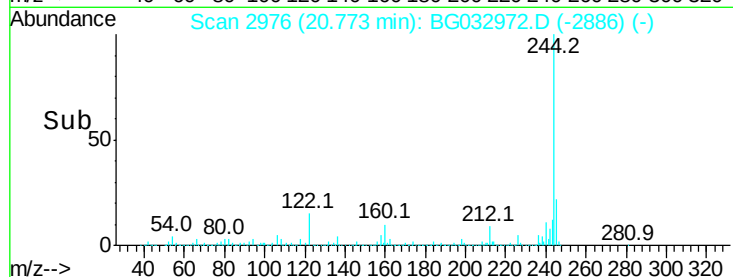
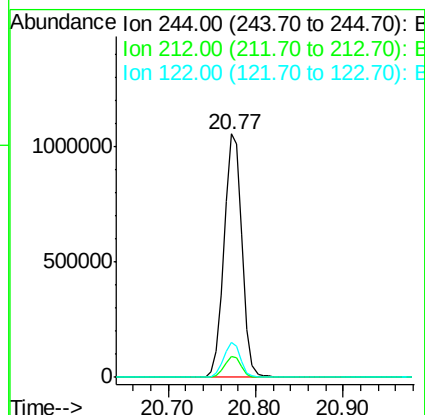
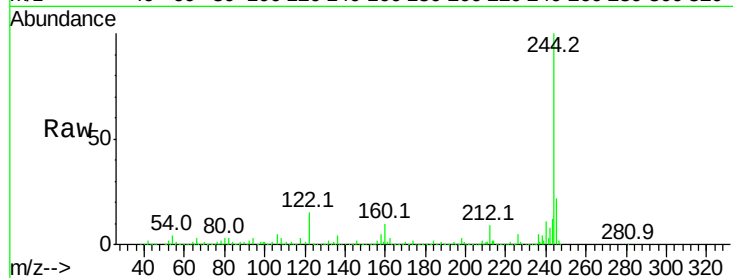


#78
 Terphenyl-d14
 Concen: 115.245 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. -0.00 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1496228

Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	14.5	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3937
 Delta R.T. -0.01 min
 Lab File: BG032972.D
 Acq: 3 Mar 2018 8:36

Tgt Ion:264 Resp: 274321

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.8	17.7	26.5

