

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032944.D
 Acq On : 2 Mar 2018 9:18
 Operator : SJ/JU
 Sample : J1730-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:57:54 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

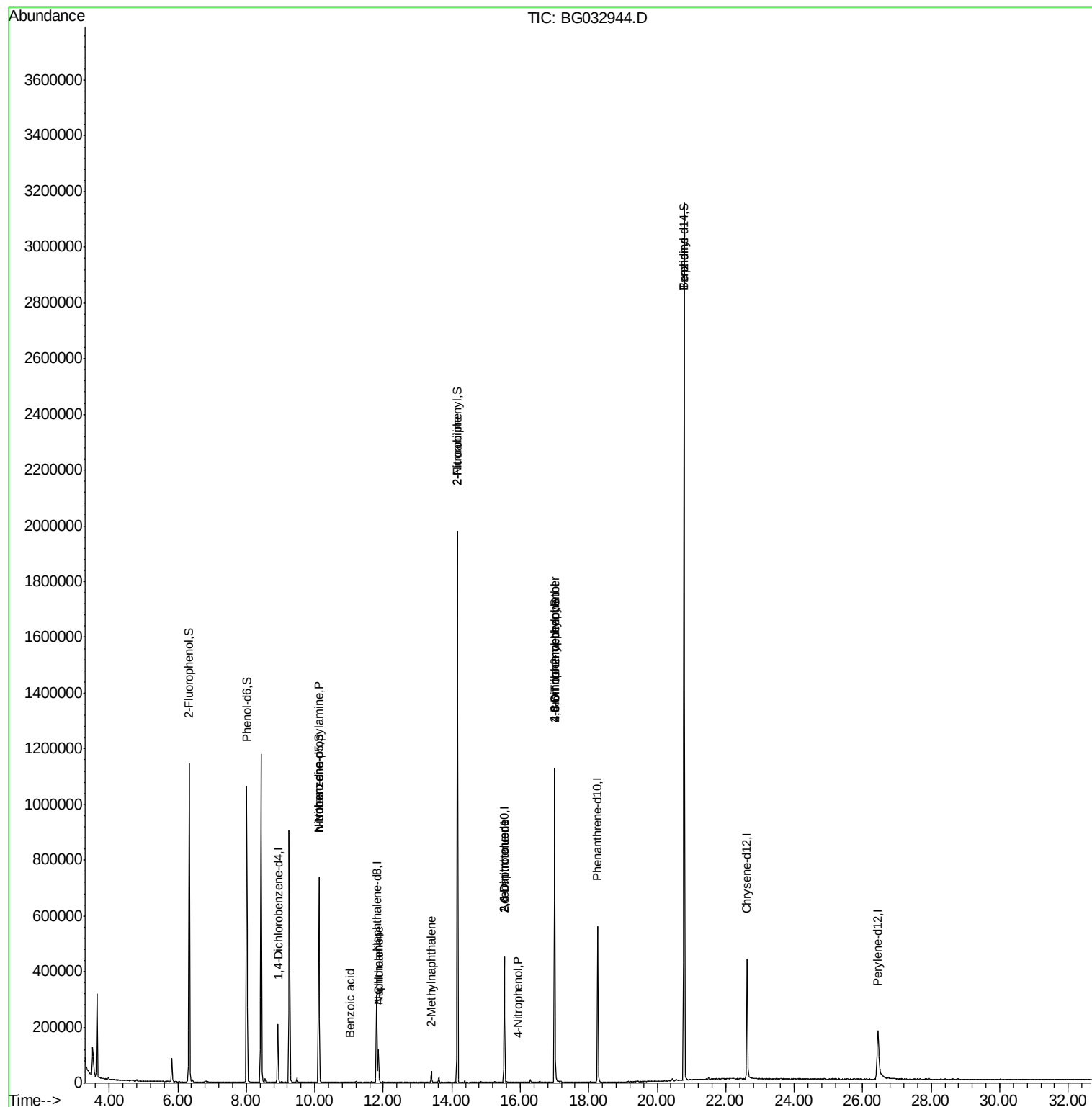
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	63034	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	274008	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	150903	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	338038	20.00	ng	0.00
75) Chrysene-d12	22.63	240	306335	20.00	ng	0.00
86) Perylene-d12	26.45	264	258966	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	540253	137.12	ng	0.00
7) Phenol-d6	8.02	99	651908	118.71	ng	0.00
23) Nitrobenzene-d5	10.12	82	461090	113.07	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	195332	123.11	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1008278	96.37	ng	0.00
78) Terphenyl-d14	20.78	244	1399324	102.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	59218	15.274	ng	Qvalue # 84
24) Nitrobenzene	10.12	77	1429	6.664	ng	# 28
31) Naphthalene	11.86	128	105363	7.359	ng	99
32) Benzoic acid	11.04	122	112	5.867	ng	97
33) 4-Chloroaniline	11.86	127	14705	2.297	ng	# 36
37) 2-Methylnaphthalene	13.40	142	20739	2.002	ng	88
47) 2-Nitroaniline	14.16	65	1827	10.420	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	19328	16.322	ng	# 21
55) 4-Nitrophenol	15.94	139	481	7.289	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	19328	14.520	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	597	5.699	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14097	3.944	ng	# 1
76) Benzidine	20.78	184	23868	2.286	ng	# 90

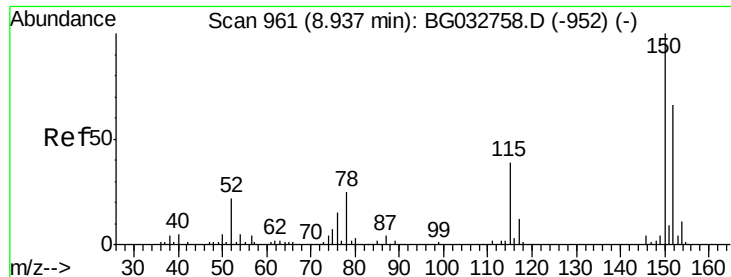
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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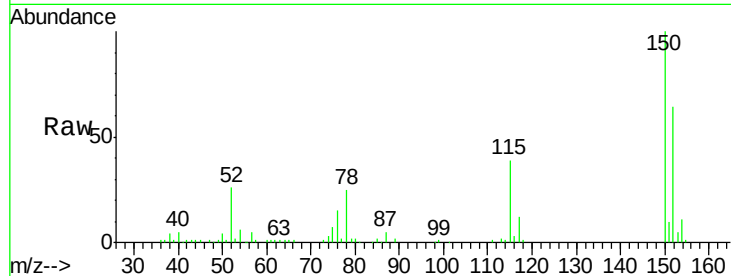


#1

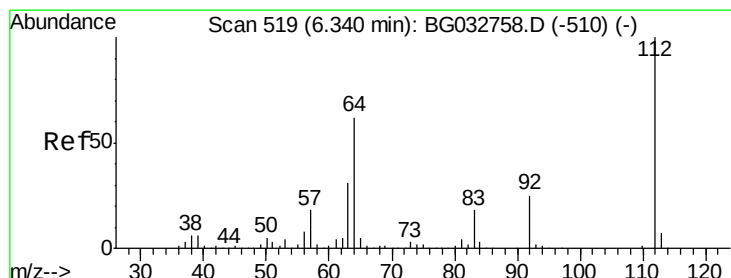
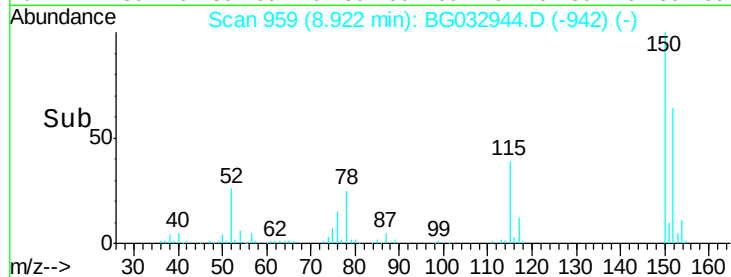
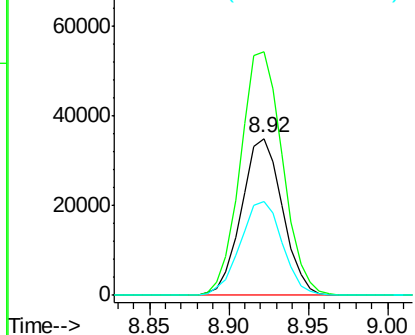
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63034
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 60.1 53.0 79.4



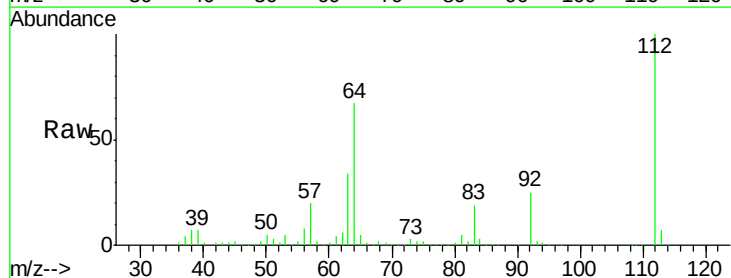
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



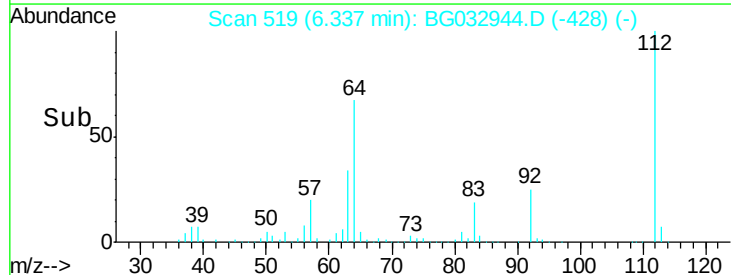
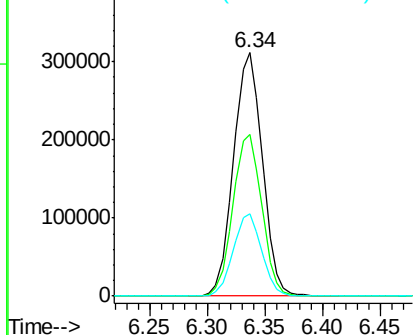
#5

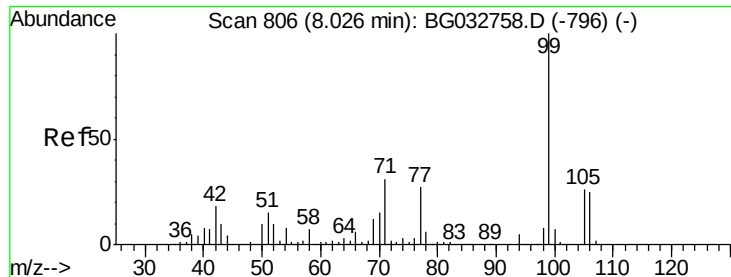
2-Fluorophenol
Concen: 137.121 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Tgt Ion:112 Resp: 540253
Ion Ratio Lower Upper
112 100
64 66.6 56.3 84.5
63 33.6 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: 118.706 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Instrument :

BNA_G

ClientSampled :

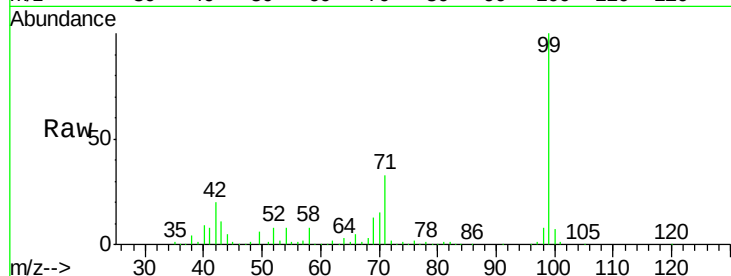
Tot Ion: 99 Resp: 651908

Ion Ratio Lower Upper

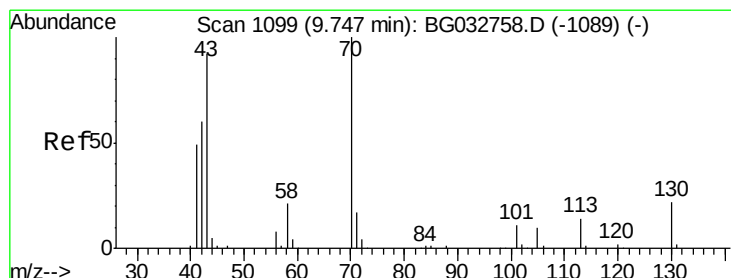
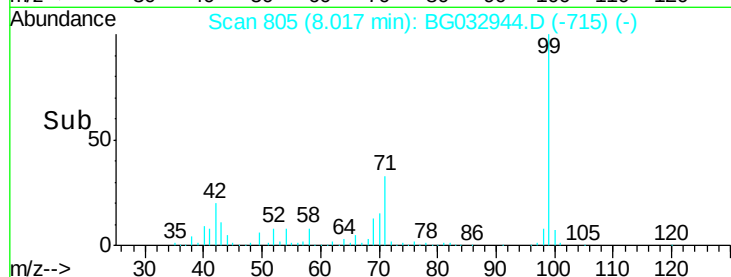
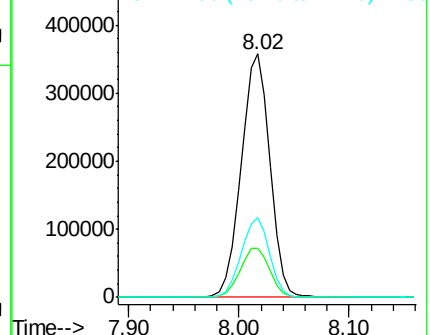
99 100

42 20.3 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: 15.274 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Tgt Ion: 70 Resp: 59218

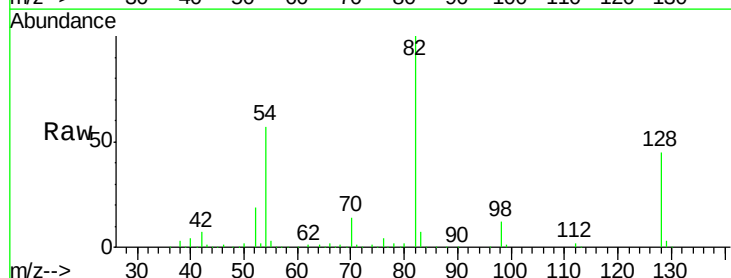
Ion Ratio Lower Upper

70 100

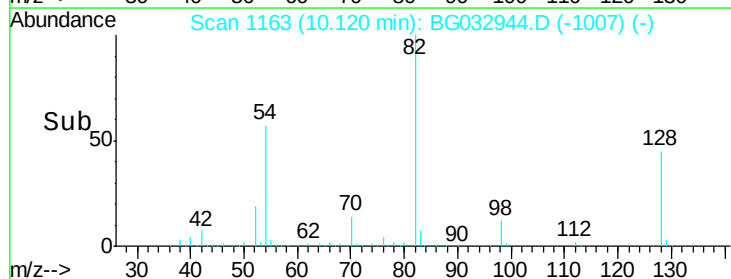
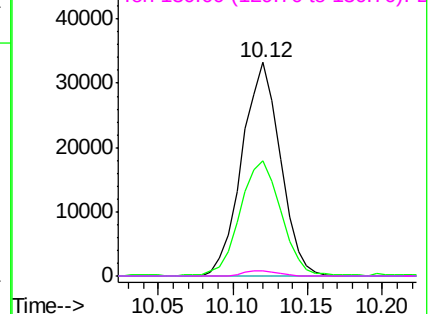
42 54.0 49.1 73.7

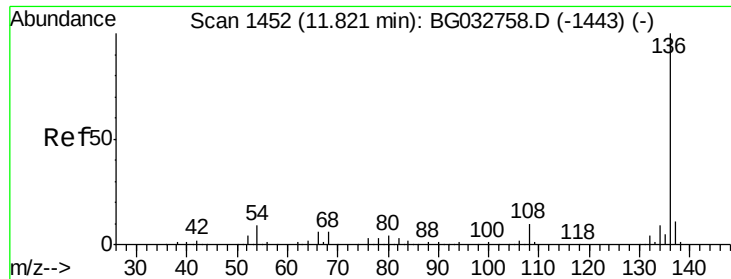
101 0.0 8.5 12.7#

130 2.3 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

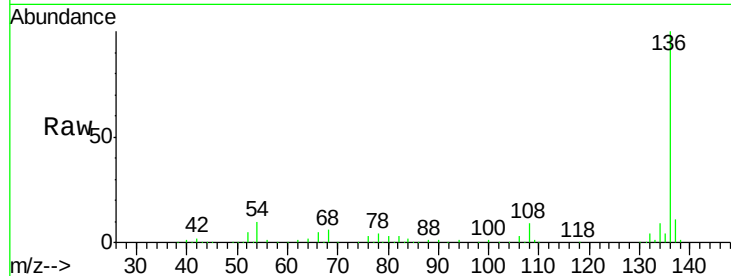




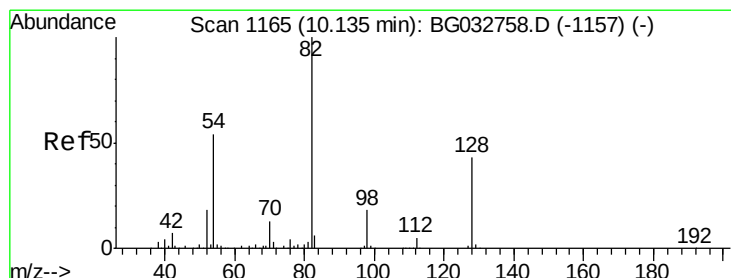
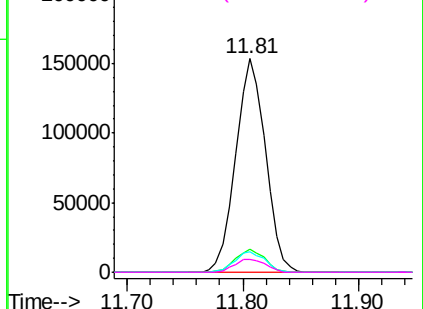
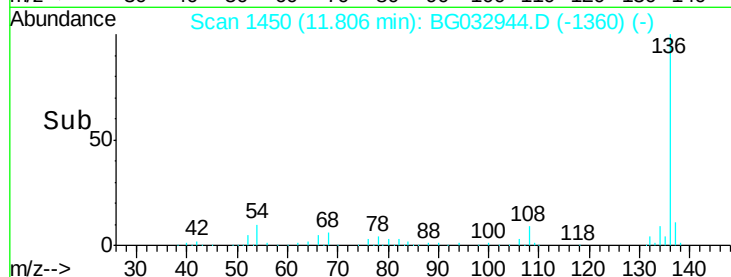
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	274008
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	9.5	10.3 15.5#
68	5.9	4.5 6.7

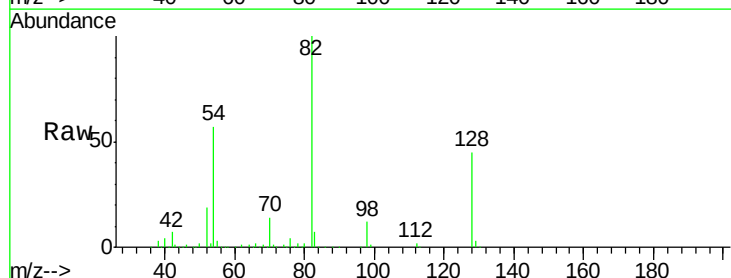


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

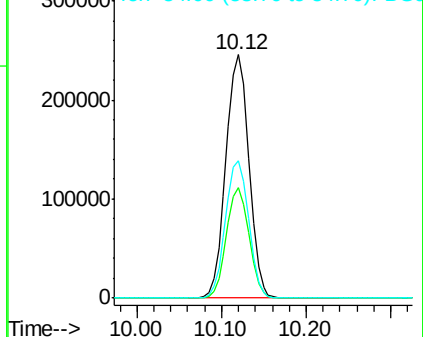
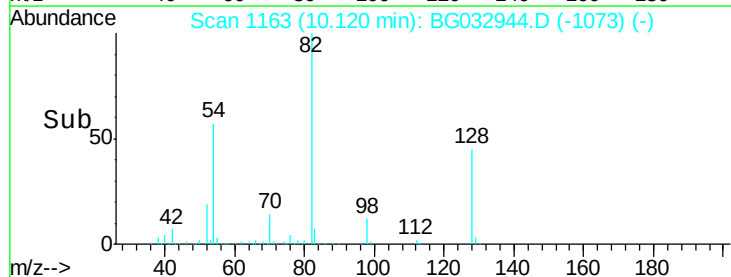


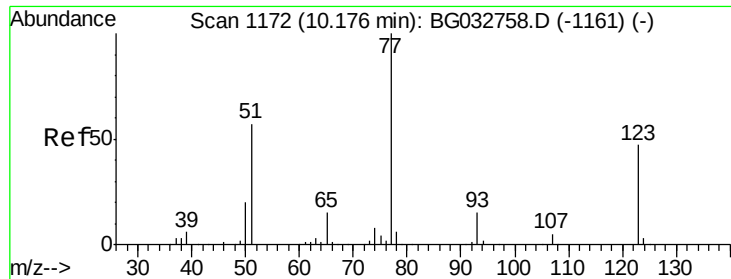
#23
Nitrobenzene-d5
Concen: 113.070 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Tgt Ion: 82	Resp:	461090
Ion Ratio	Lower	Upper
82	100	
128	45.4	29.7 44.5#
54	56.7	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

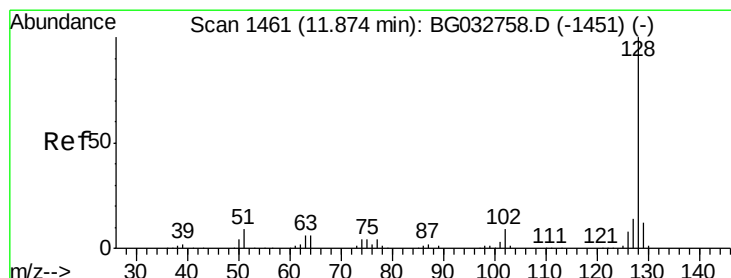
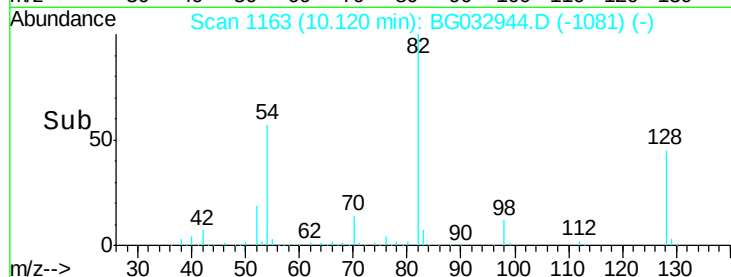
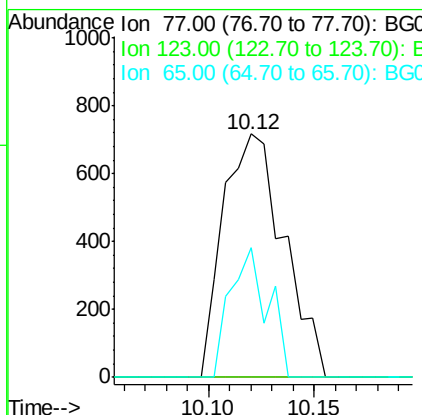
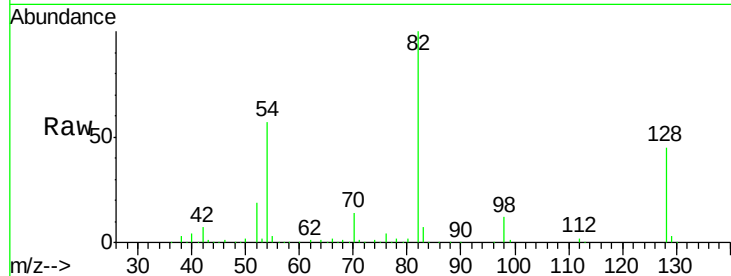




#24
Nitrobenzene
Concen: 6.664 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

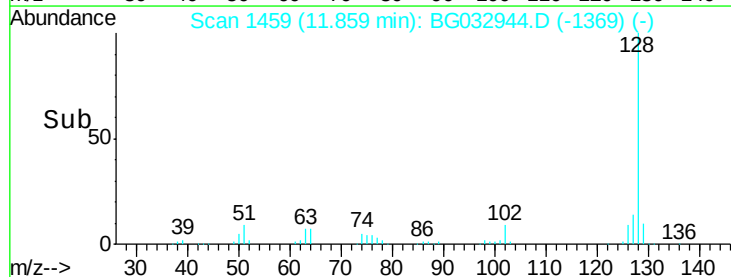
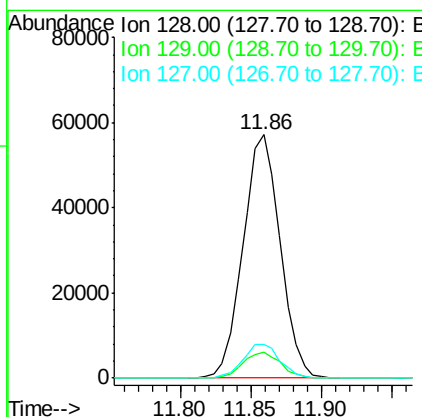
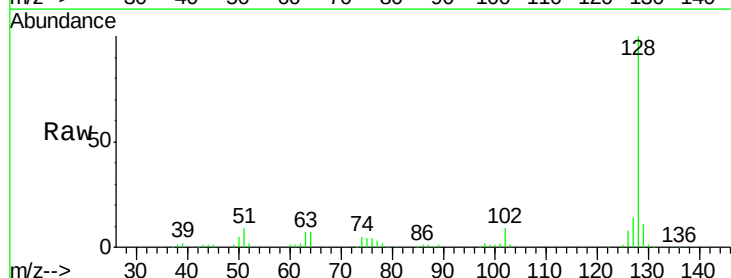
Instrument :
BNA_G
ClientSampled :

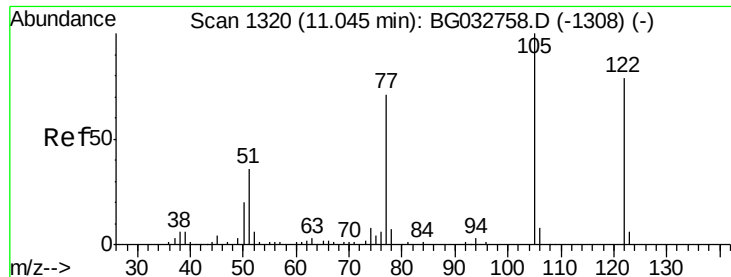
Tot Ion: 77 Resp: 1429
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 53.1 13.0 19.6#



#31
Naphthalene
Concen: 7.359 ng
RT: 11.86 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Tgt Ion: 128 Resp: 105363
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.1 11.6 17.4

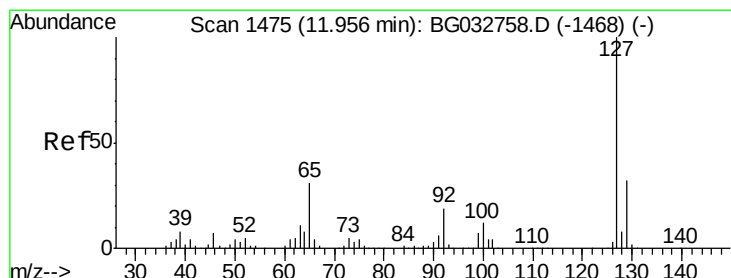
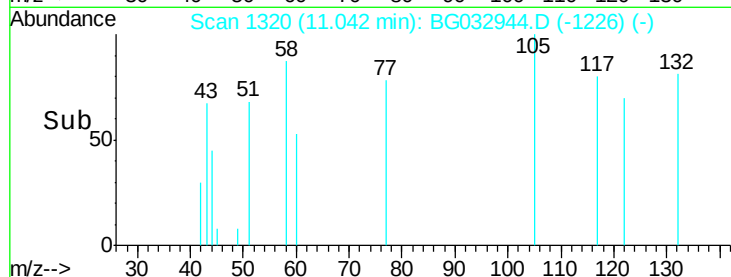
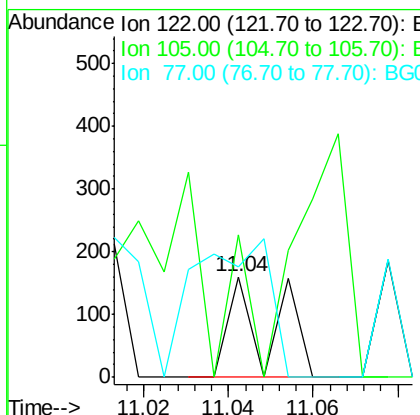
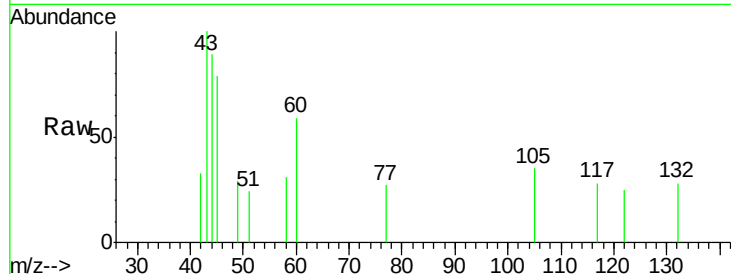




#32
Benzoic acid
Concen: 5.867 ng
RT: 11.04 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

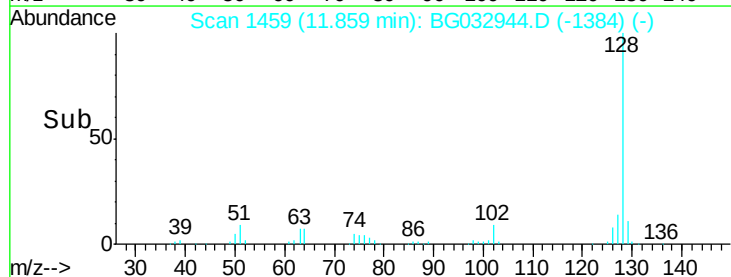
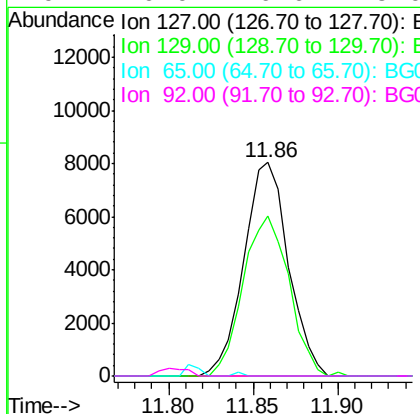
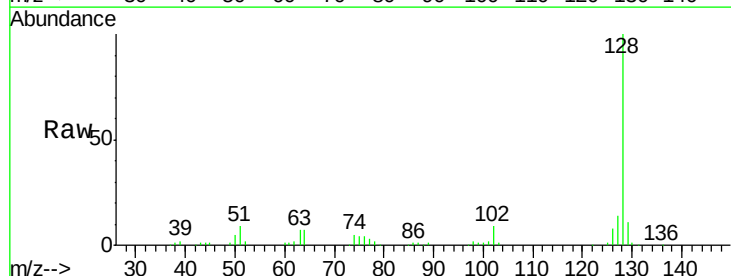
Instrument :
BNA_G
ClientSampleId :

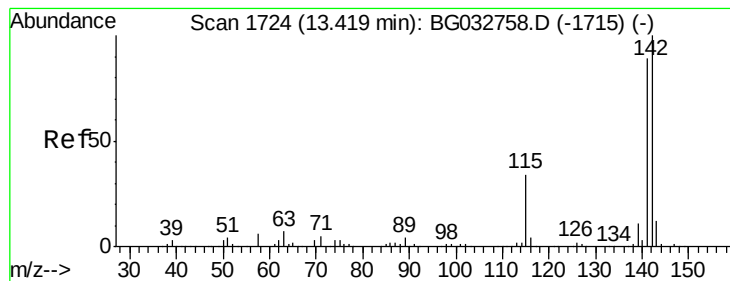
Tot Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 141.9 123.5 163.5
77 110.0 85.7 125.7



#33
4-Chloroaniline
Concen: 2.297 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Tgt Ion:127 Resp: 14705
Ion Ratio Lower Upper
127 100
129 75.0 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#





#37

2-Methylnaphthalene

Concen: 2.002 ng

RT: 13.40 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Instrument :

BNA_G

ClientSampleId :

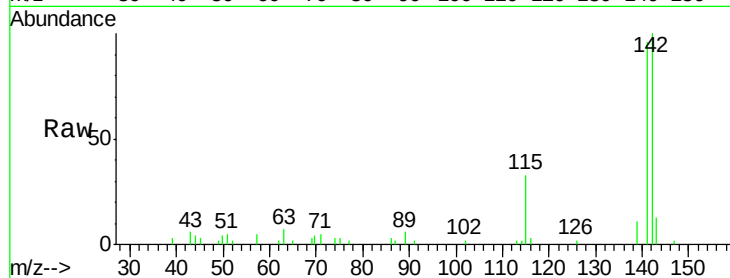
Tot Ion:142 Resp: 20739

Ion Ratio Lower Upper

142 100

141 95.8 67.1 100.7

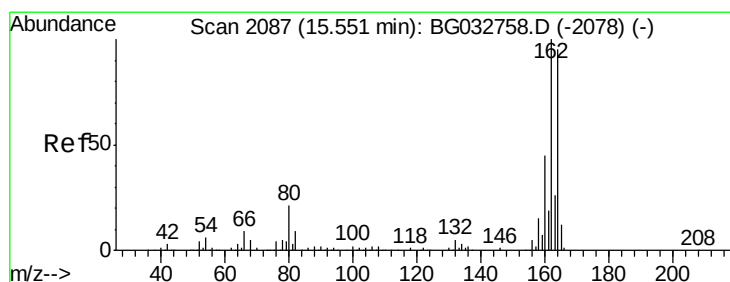
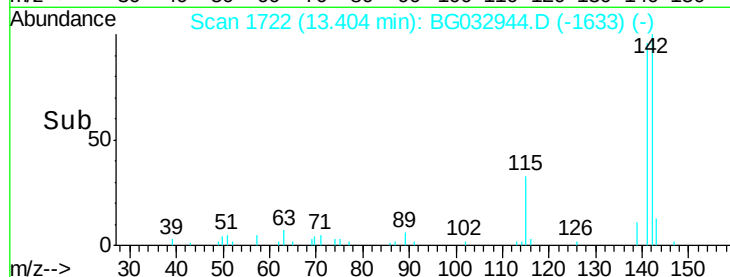
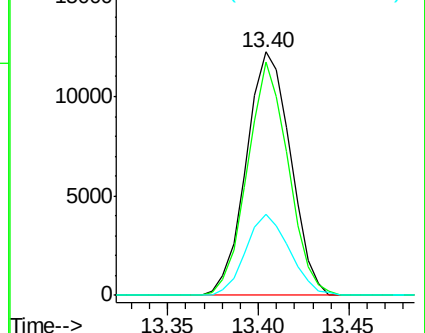
115 33.4 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

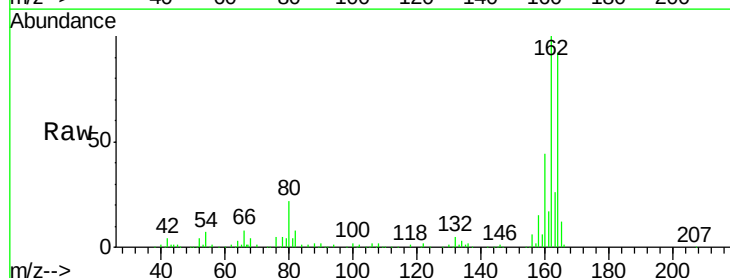
Tgt Ion:164 Resp: 150903

Ion Ratio Lower Upper

164 100

162 108.2 78.8 118.2

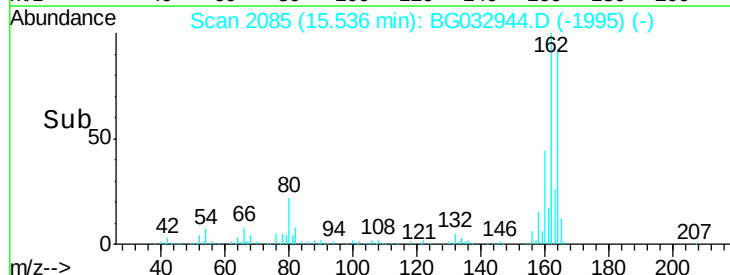
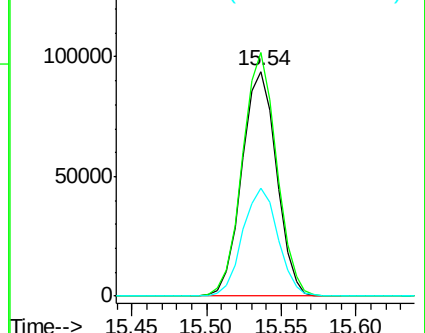
160 47.9 35.4 53.0

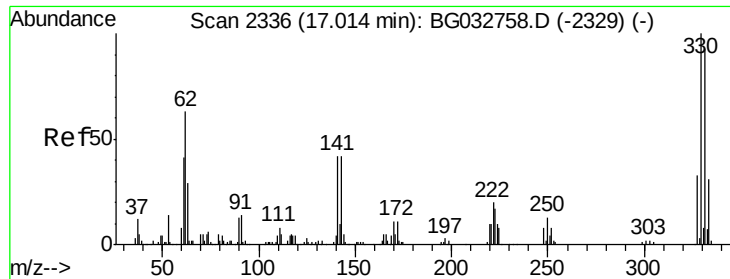


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

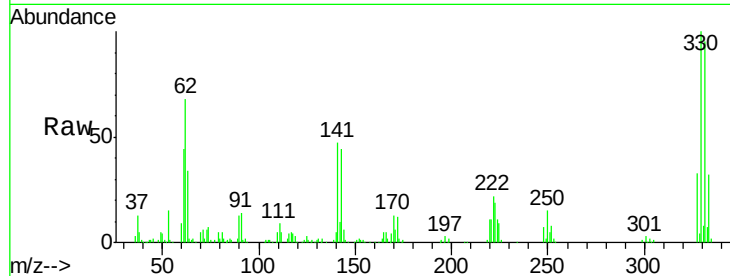




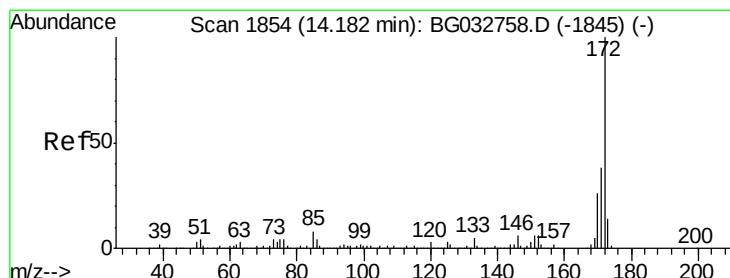
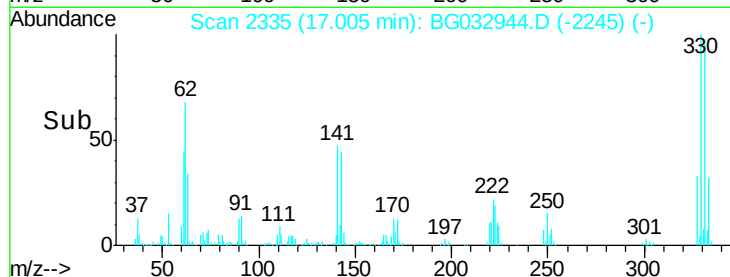
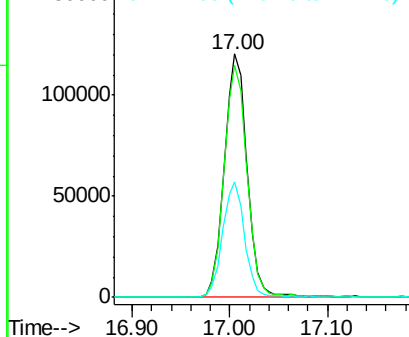
#41
 2,4,6-Tribromophenol
 Concen: 123.106 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032944.D
 Acq: 2 Mar 2018 9:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 195332
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 45.5 25.2 37.8#

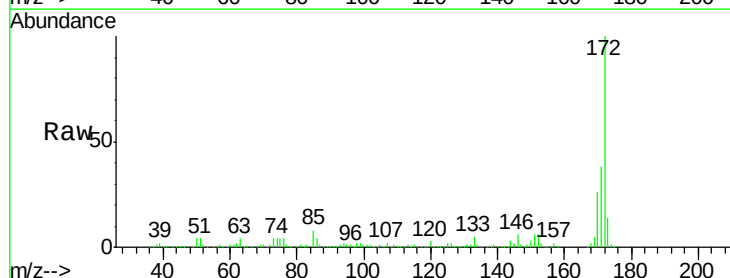


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

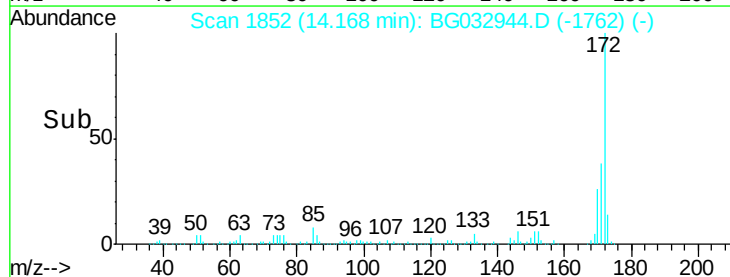
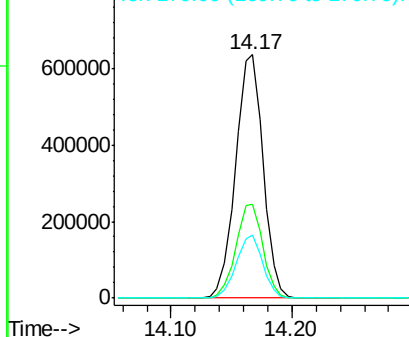


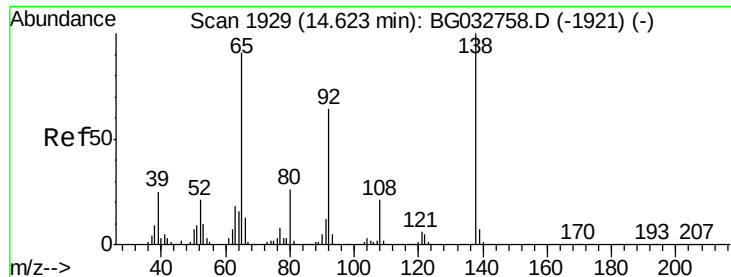
#44
 2-Fluorobiphenyl
 Concen: 96.366 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BG032944.D
 Acq: 2 Mar 2018 9:18

Tgt Ion:172 Resp: 1008278
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.7 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

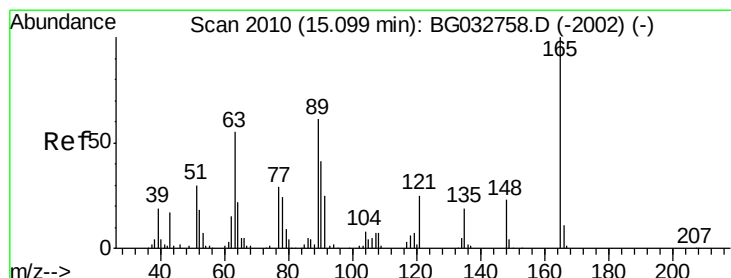
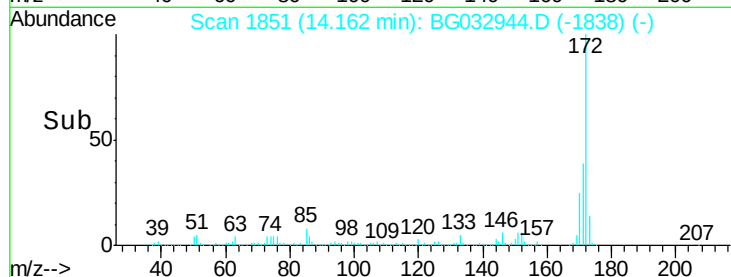
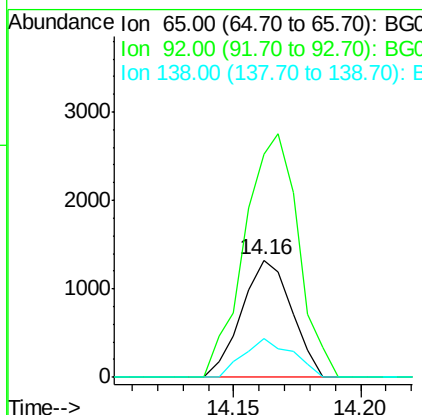
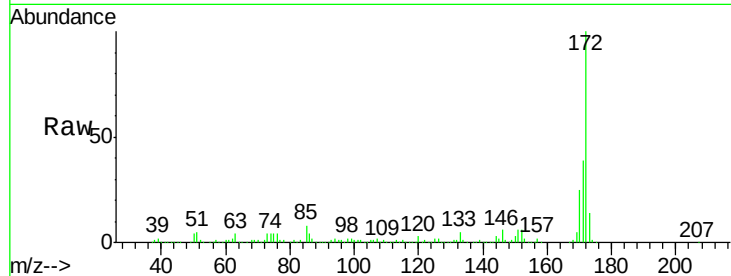




#47
2-Nitroaniline
Concen: 10.420 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.45 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

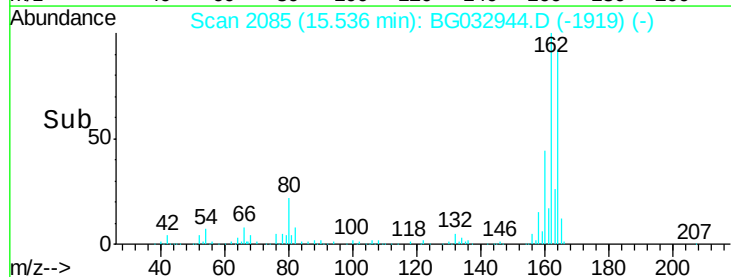
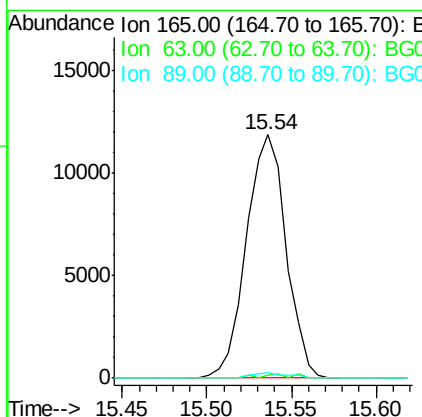
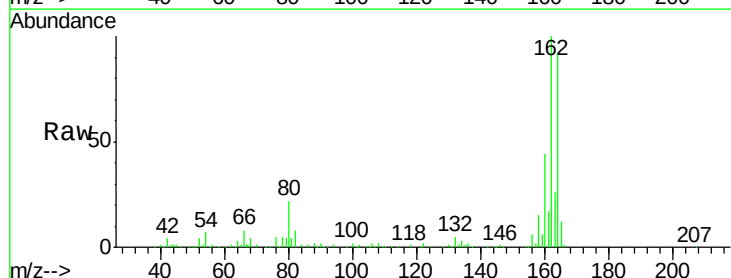
Instrument :
BNA_G
ClientSampled :

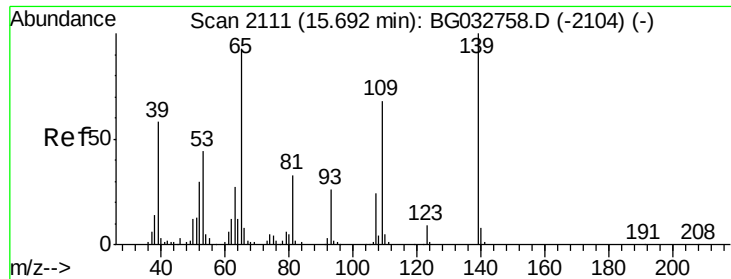
Tot Ion: 65 Resp: 1827
Ion Ratio Lower Upper
65 100
92 190.1 54.6 82.0#
138 33.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.322 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Tgt Ion:165 Resp: 19328
Ion Ratio Lower Upper
165 100
63 1.4 52.7 79.1#
89 2.3 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.289 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.25 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Instrument :

BNA_G

ClientSampled :

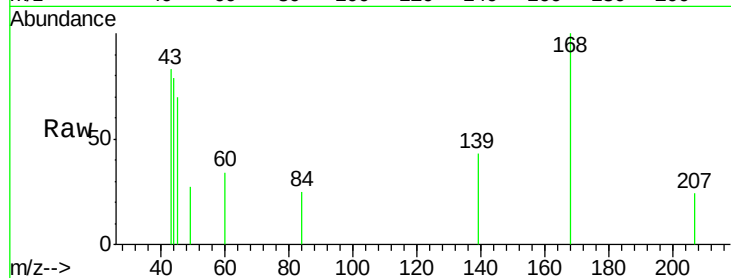
Tot Ion:139 Resp: 481

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

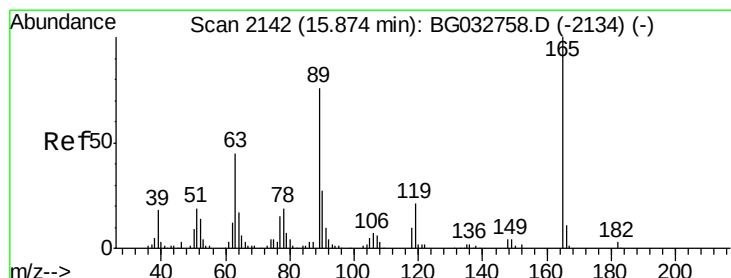
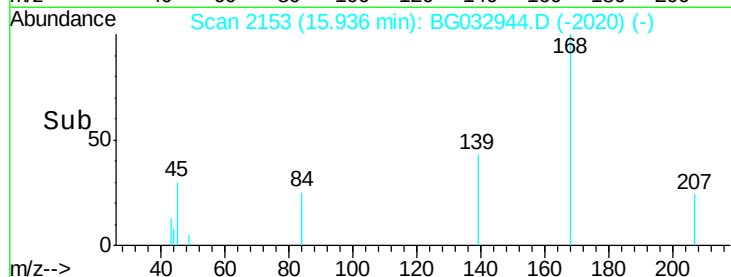
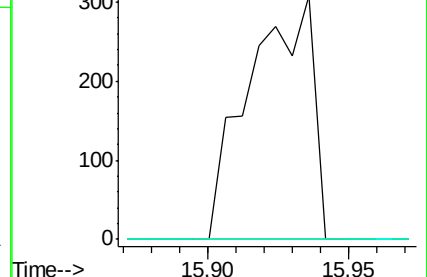
65 0.0 97.2 137.2#



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: 14.520 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.32 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Tgt Ion:165 Resp: 19328

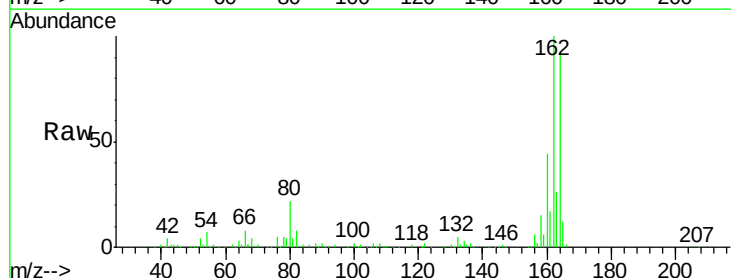
Ion Ratio Lower Upper

165 100

63 1.4 42.0 63.0#

89 2.3 66.9 100.3#

182 0.0 2.6 3.8#

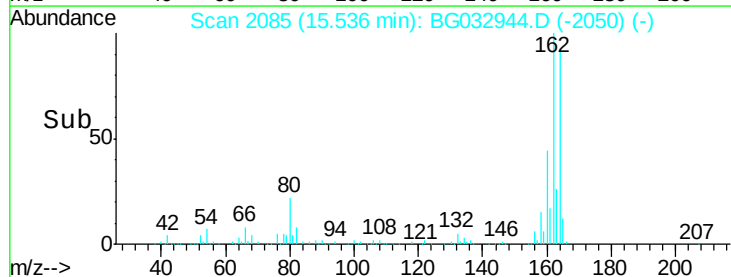
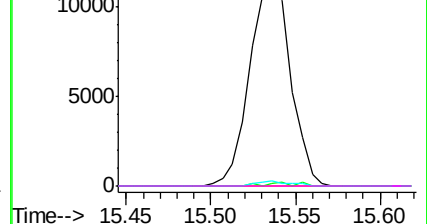


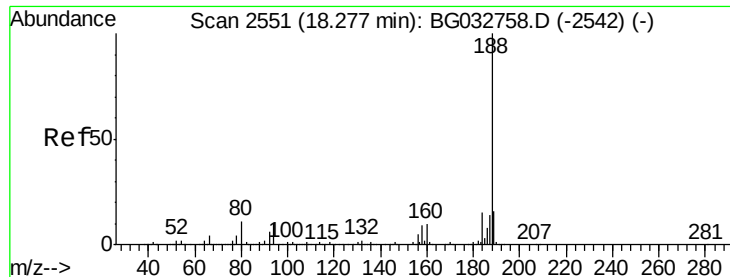
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Instrument :

BNA_G

ClientSampled :

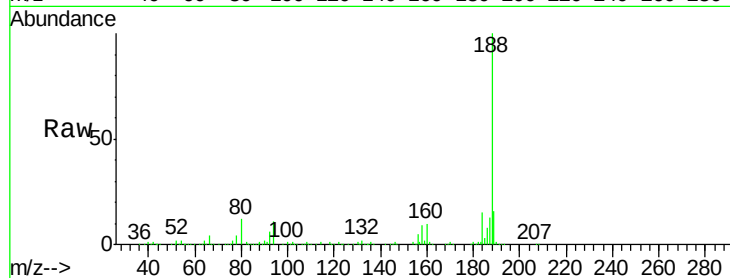
Tot Ion:188 Resp: 338038

Ion Ratio Lower Upper

188 100

94 10.6 6.9 10.3#

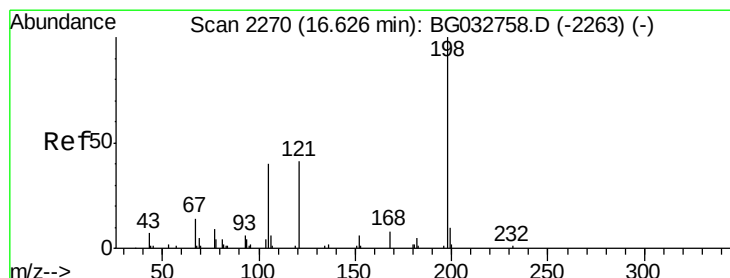
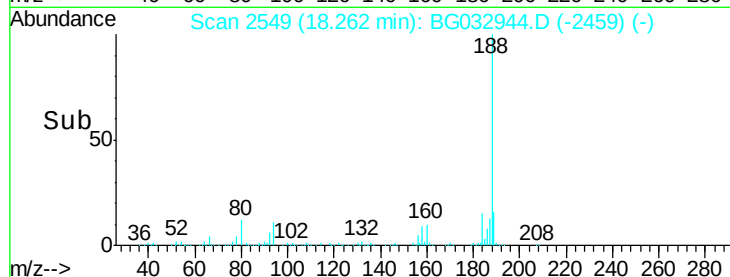
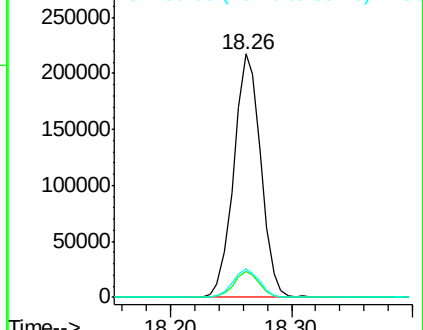
80 11.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.699 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

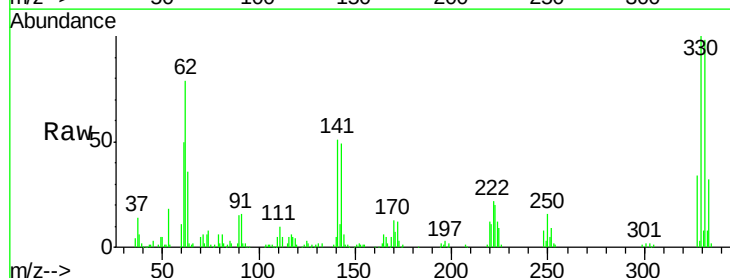
Tgt Ion:198 Resp: 597

Ion Ratio Lower Upper

198 100

51 232.2 30.6 70.6#

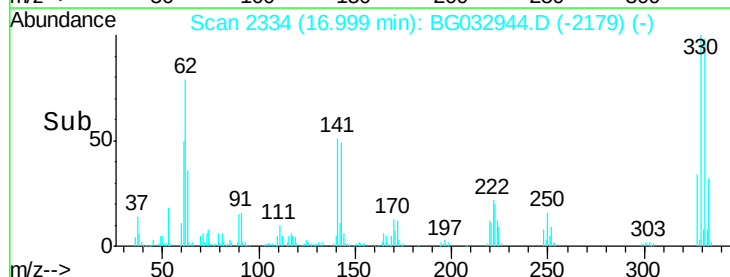
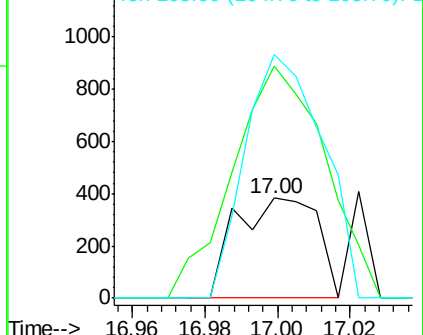
105 244.2 23.8 63.8#

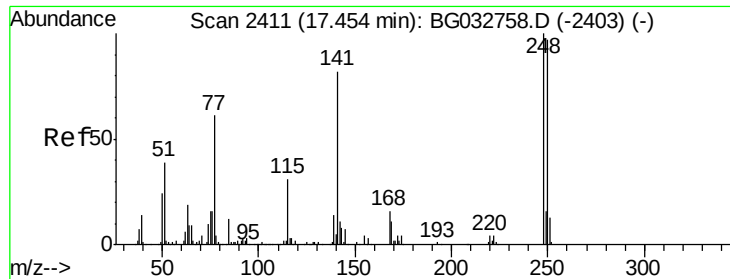


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

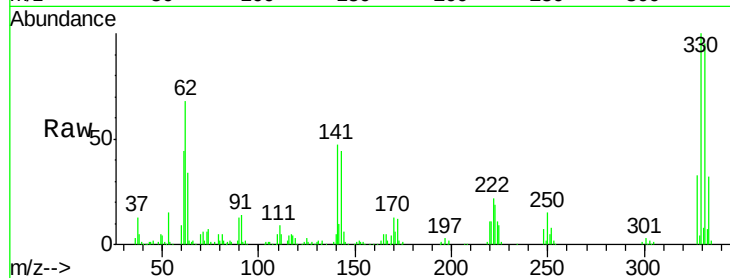




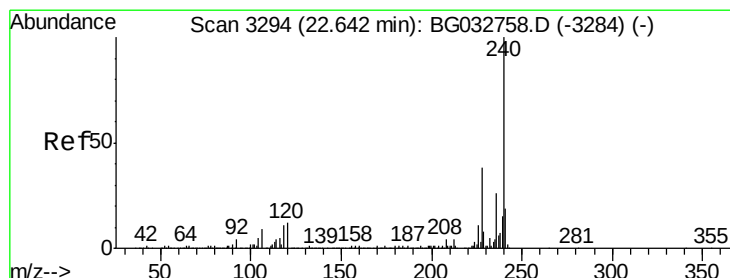
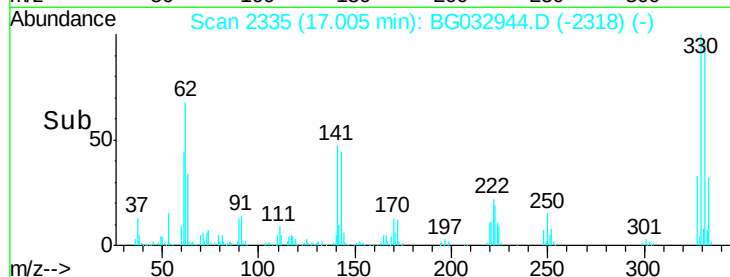
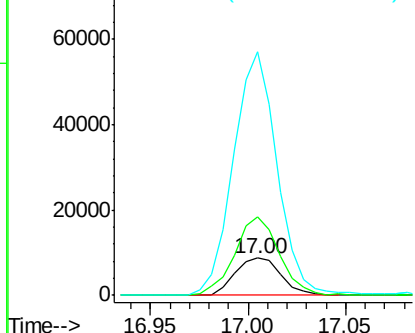
#66
 4-Bromophenyl-phenylether
 Concen: 3.944 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032944.D
 Acq: 2 Mar 2018 9:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14097
 Ion Ratio Lower Upper
 248 100
 250 210.0 77.1 115.7#
 141 649.8 50.8 76.2#

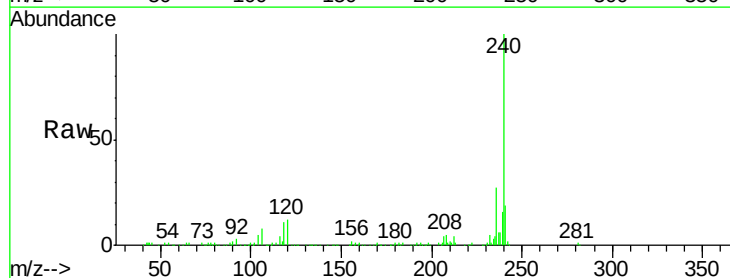


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

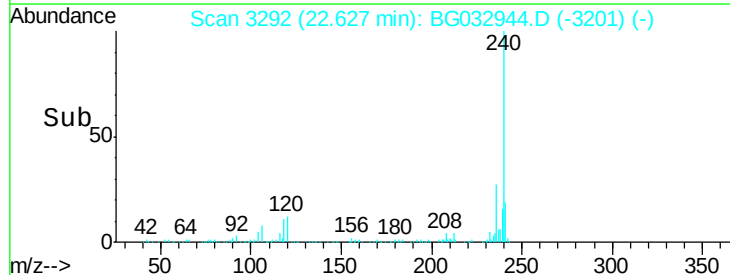
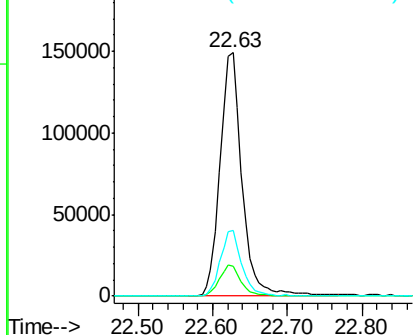


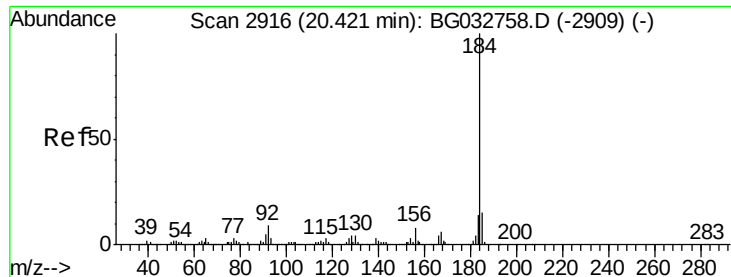
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. 0.01 min
 Lab File: BG032944.D
 Acq: 2 Mar 2018 9:18

Tgt Ion:240 Resp: 306335
 Ion Ratio Lower Upper
 240 100
 120 12.2 6.8 10.2#
 236 26.9 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: 2.286 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

Instrument :

BNA_G

ClientSampled :

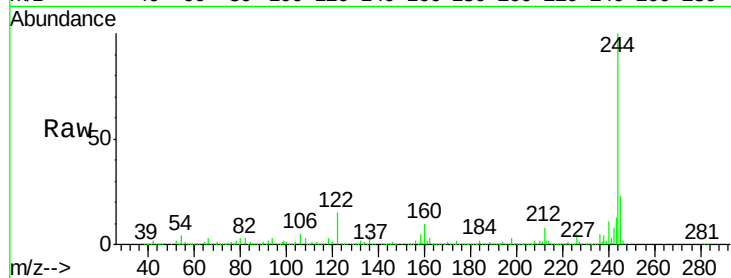
Tot Ion:184 Resp: 23868

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

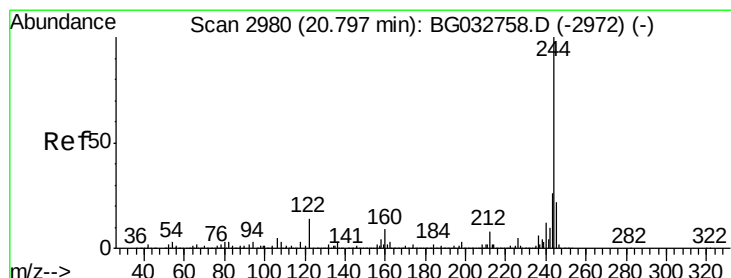
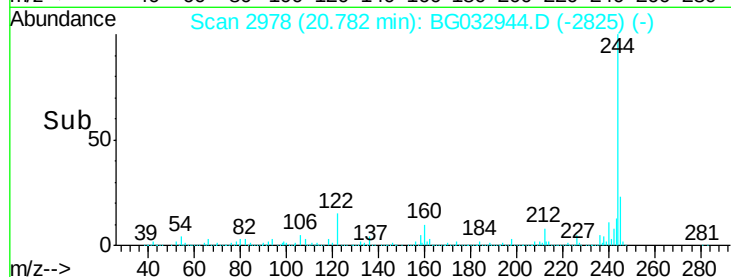
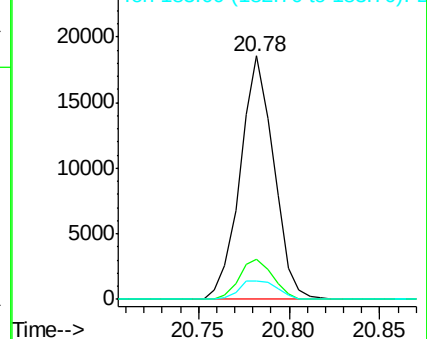
183 7.6 10.6 16.0#



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: 102.630 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032944.D

Acq: 2 Mar 2018 9:18

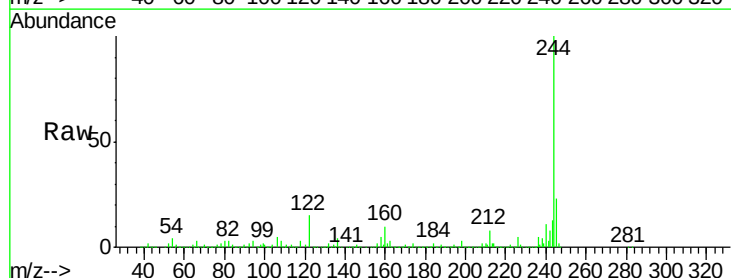
Tgt Ion:244 Resp: 1399324

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

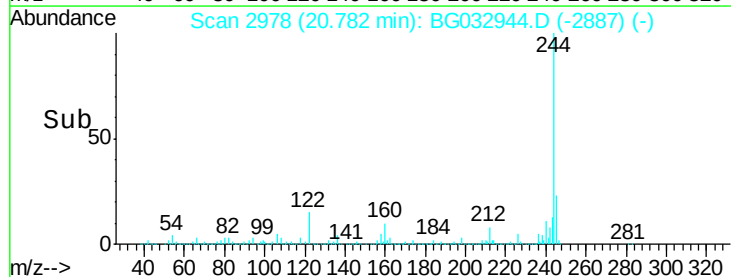
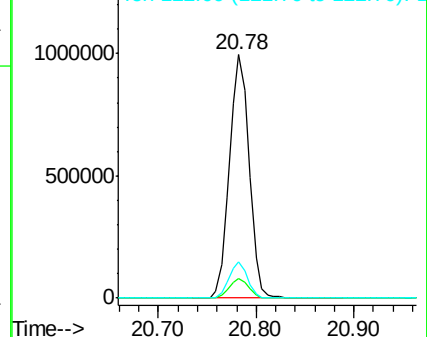
122 14.7 7.0 10.4#

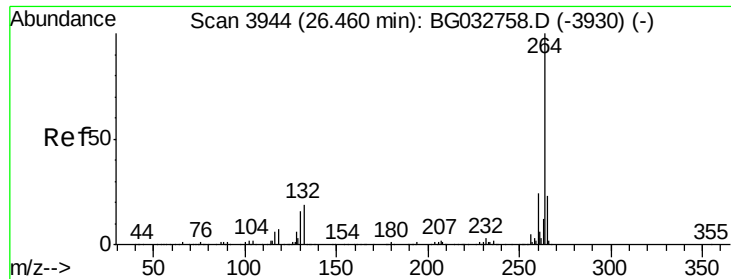


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.45 min Scan# 3942
Delta R.T. 0.02 min
Lab File: BG032944.D
Acq: 2 Mar 2018 9:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.1	17.7	26.5

