

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032984.D
 Acq On : 5 Mar 2018 11:33
 Operator : SJ/JU
 Sample : J1751-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 13:42:59 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	8.91	152	64768	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	281557	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	156327	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	360268	20.00	ng	0.00
75) Chrysene-d12	22.61	240	335372	20.00	ng	-0.01
86) Perylene-d12	26.41	264	319511	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	577795	142.72	ng	0.00
7) Phenol-d6	8.01	99	711272	126.05	ng	0.00
23) Nitrobenzene-d5	10.11	82	503791	119.60	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	263790	160.48	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1069764	98.70	ng	0.00
78) Terphenyl-d14	20.77	244	1597838	107.04	ng	0.00

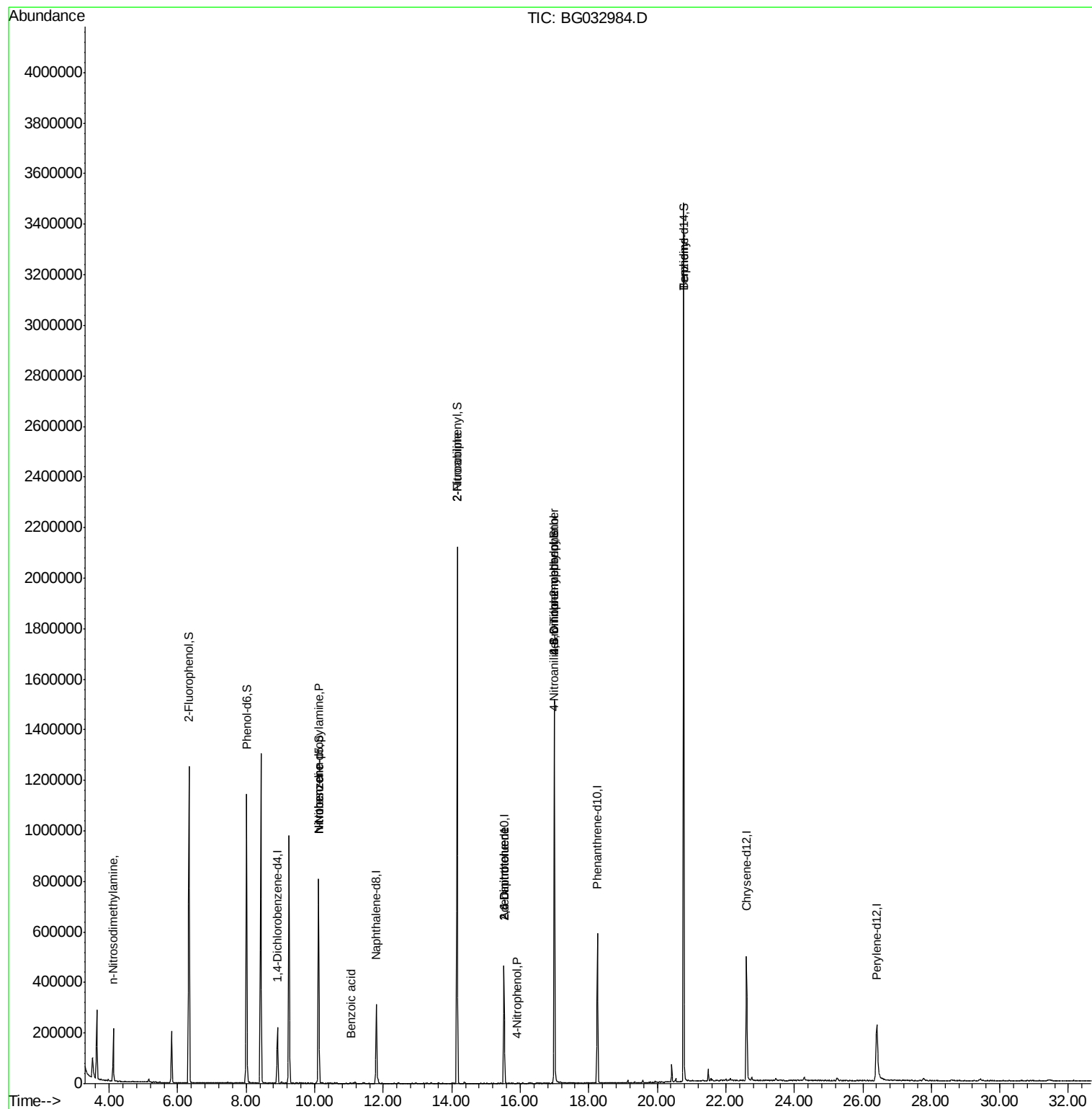
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.12	42	29165	15.022	ng	# 4
19) n-Nitroso-di-n-propylamine	10.11	70	65682	16.488	ng	# 84
24) Nitrobenzene	10.11	77	1644	6.698	ng	# 42
32) Benzoic acid	11.06	122	54	5.839	ng	# 1
47) 2-Nitroaniline	14.16	65	1979	10.447	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	20684	16.568	ng	# 21
55) 4-Nitrophenol	15.92	139	69	7.109	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	20684	14.766	ng	# 19
61) 4-Nitroaniline	16.98	138	62	5.319	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.99	198	842	5.940	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19912	5.227	ng	# 1
76) Benzidine	20.77	184	28817	2.521	ng	# 92

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

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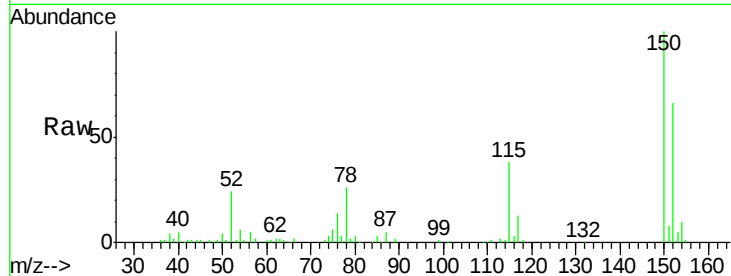


#1

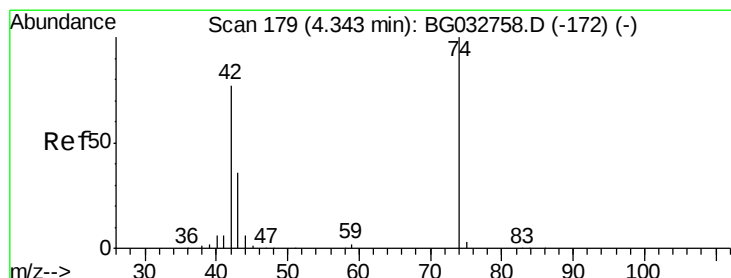
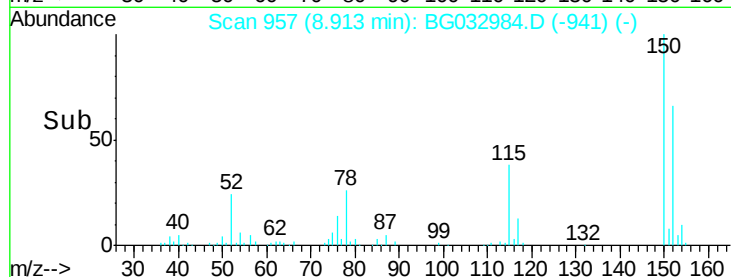
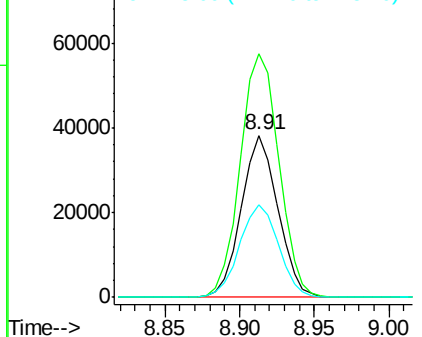
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64768
Ion Ratio Lower Upper
152 100
150 150.5 126.6 189.8
115 57.1 53.0 79.4



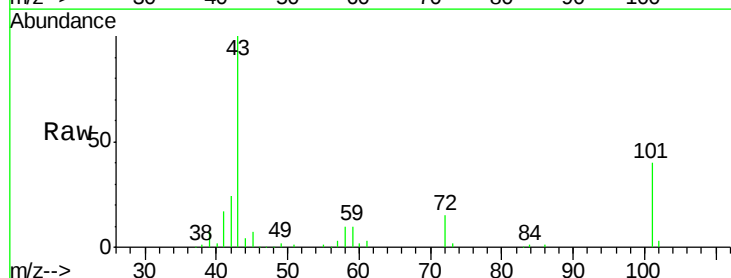
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



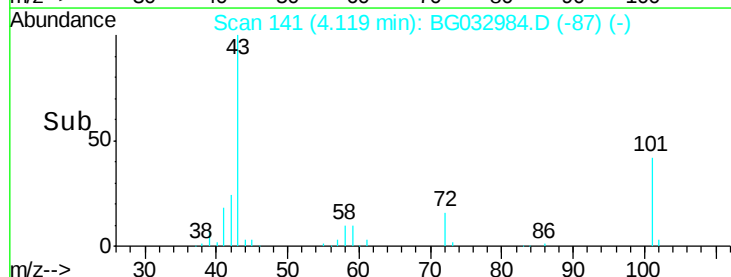
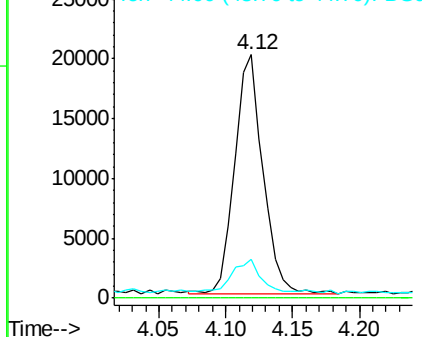
#4

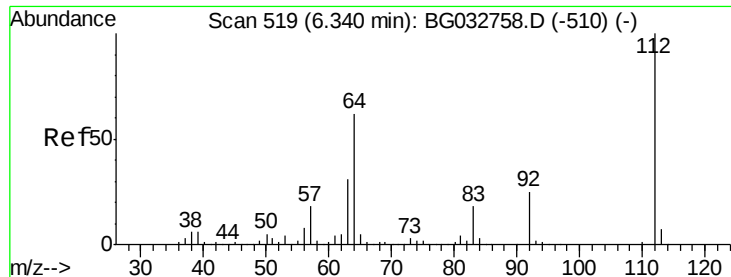
n-Nitrosodimethylamine
Concen: 15.022 ng
RT: 4.12 min Scan# 141
Delta R.T. -0.21 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Tgt Ion: 42 Resp: 29165
Ion Ratio Lower Upper
42 100
74 0.0 102.5 153.7#
44 15.9 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 142.723 ng

RT: 6.33 min Scan# 517

Delta R.T. -0.00 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

Instrument :

BNA_G

ClientSampled :

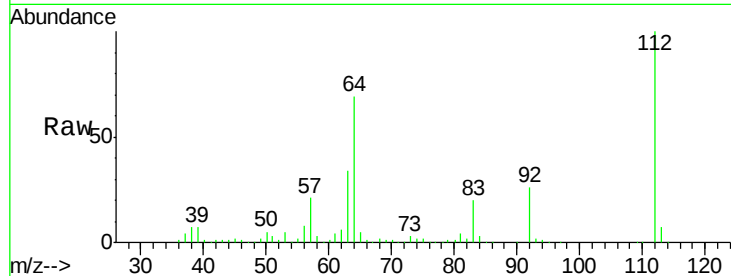
Tot Ion:112 Resp: 577795

Ion Ratio Lower Upper

112 100

64 69.5 56.3 84.5

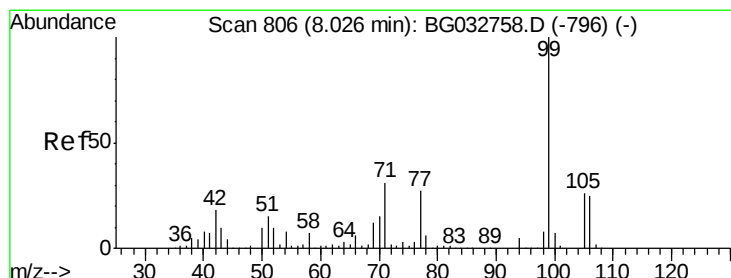
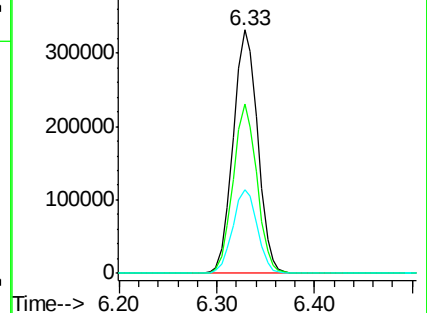
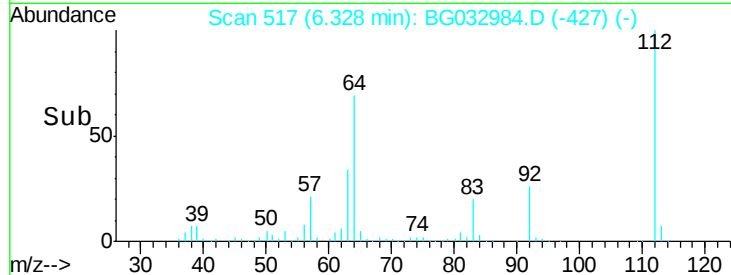
63 34.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.048 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

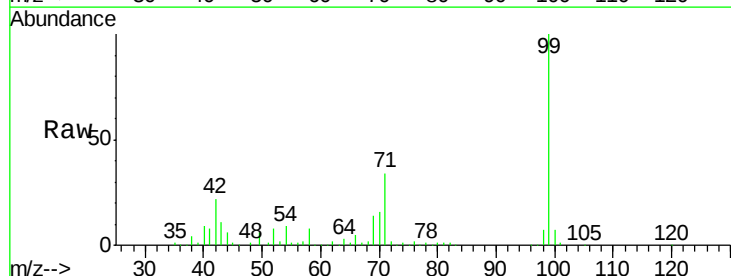
Tgt Ion: 99 Resp: 711272

Ion Ratio Lower Upper

99 100

42 21.8 14.1 21.1#

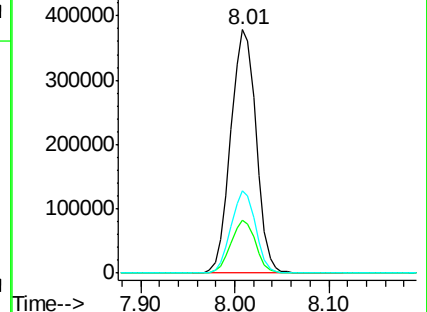
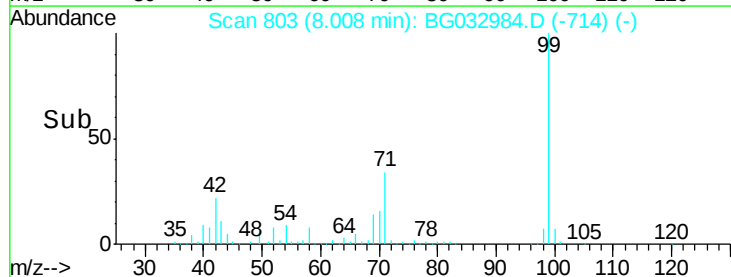
71 33.7 26.1 39.1

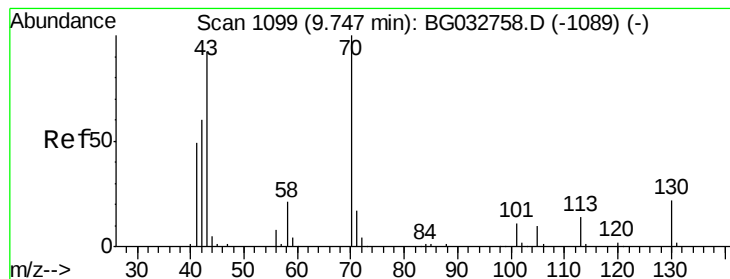


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 16.488 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 65682

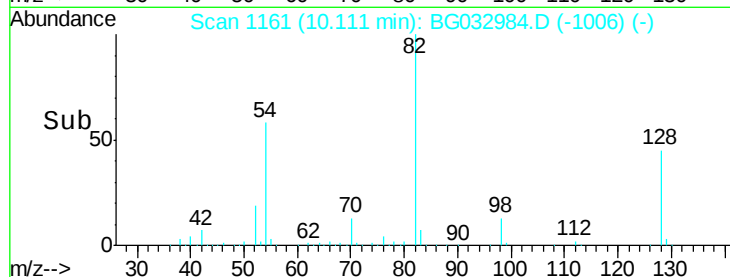
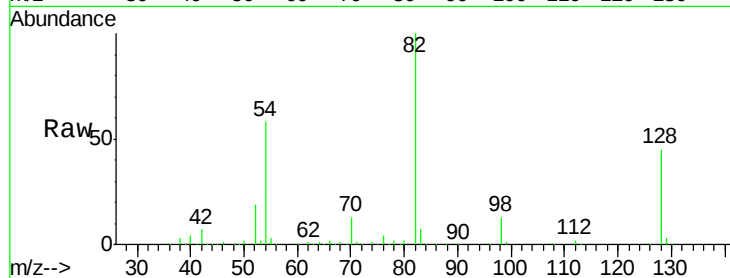
Ion Ratio Lower Upper

70 100

42 54.6 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

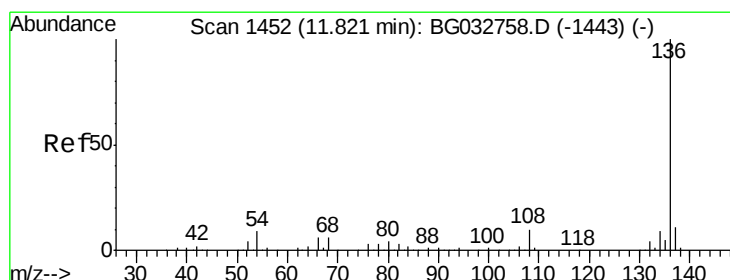
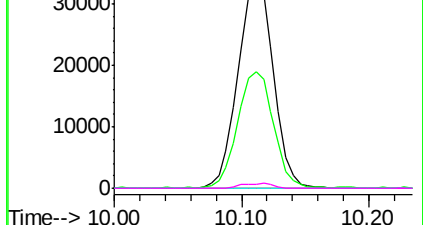


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1448

Delta R.T. -0.01 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

Tgt Ion:136 Resp: 281557

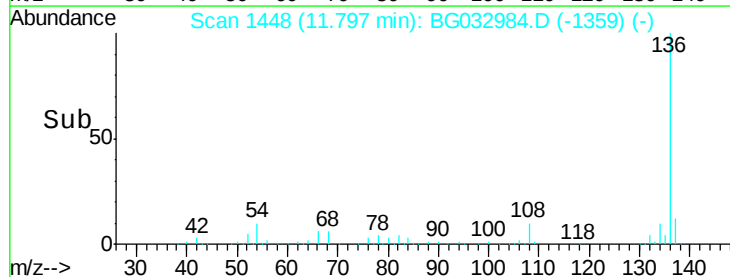
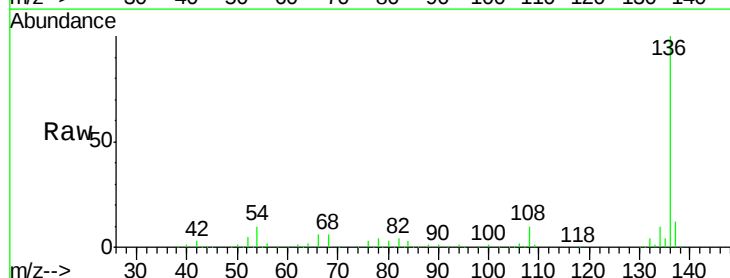
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 9.9 10.3 15.5#

68 6.0 4.5 6.7

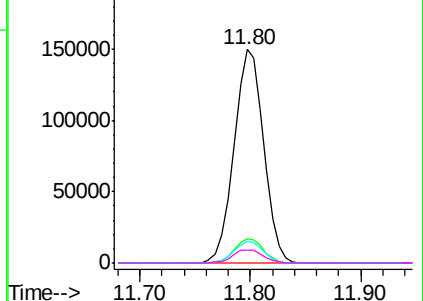


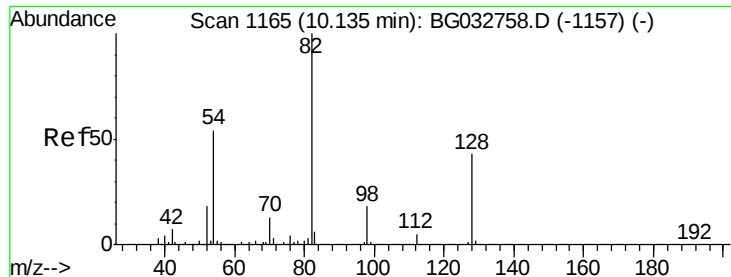
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

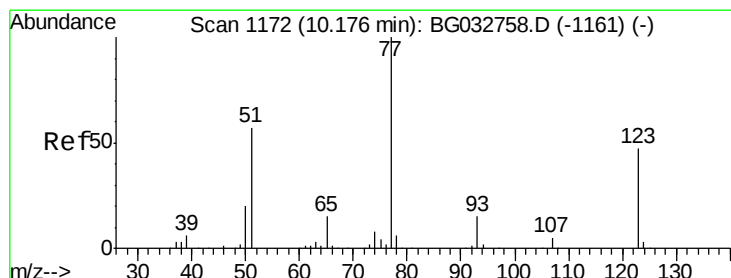
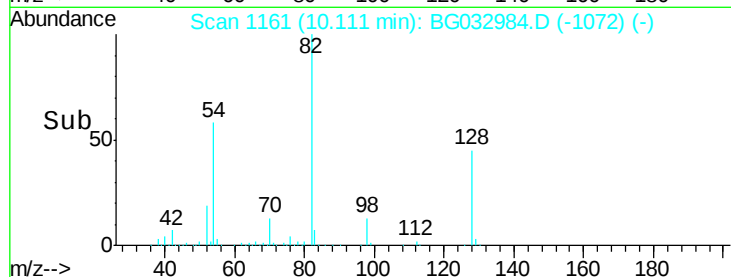
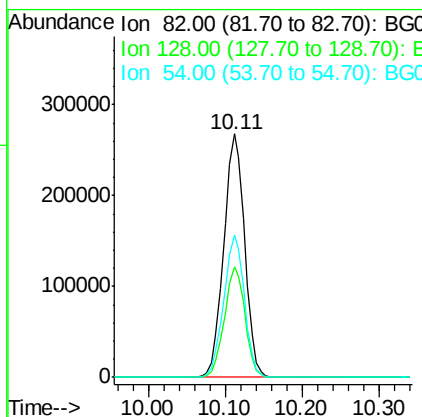
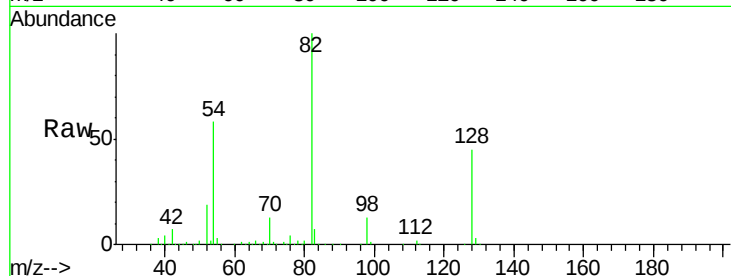




#23
 Nitrobenzene-d5
 Concen: 119.601 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

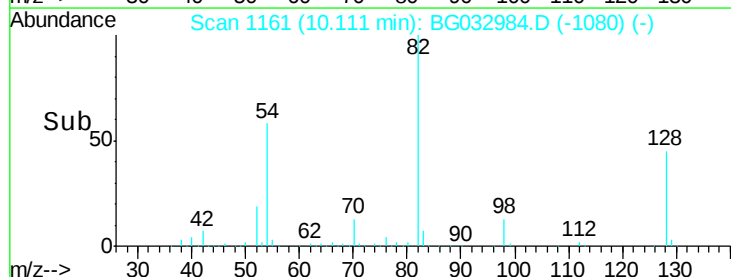
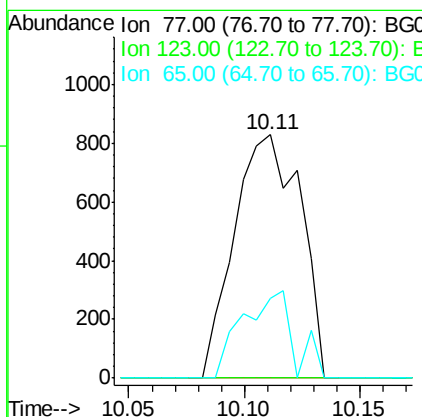
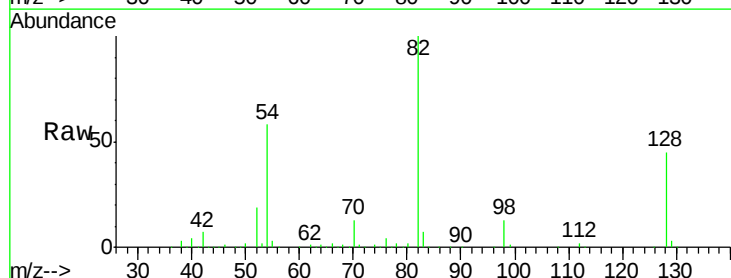
Instrument :
 BNA_G
 ClientSampleId :

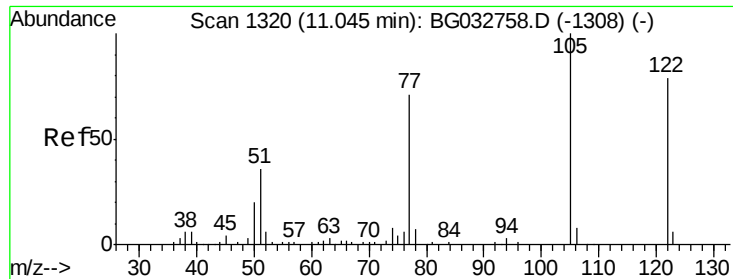
Tot Ion: 82 Resp: 503791
 Ion Ratio Lower Upper
 82 100
 128 45.3 29.7 44.5#
 54 58.3 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.698 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Tgt Ion: 77 Resp: 1644
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 32.6 13.0 19.6#

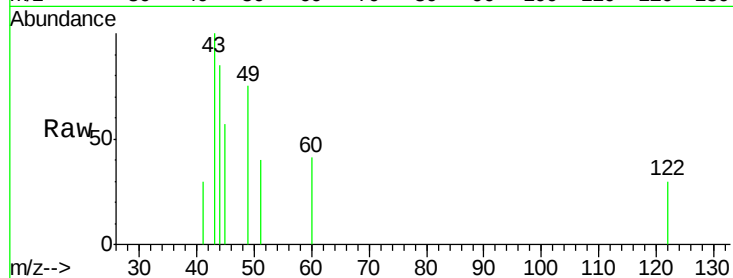




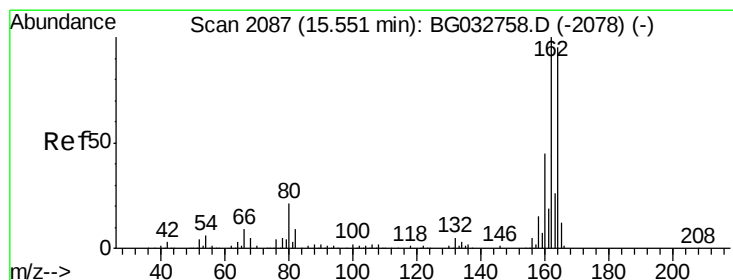
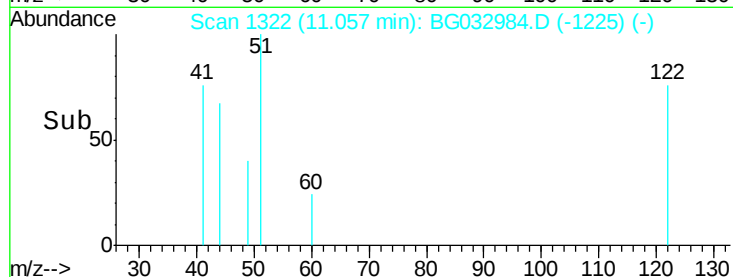
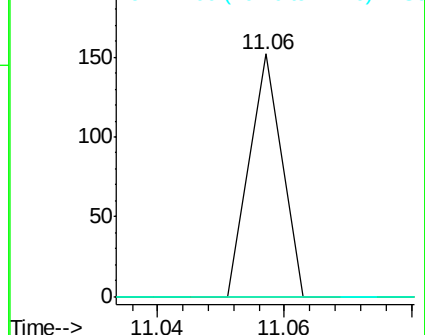
#32
Benzoic acid
Concen: 5.839 ng
RT: 11.06 min Scan# 1322
Delta R.T. 0.04 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

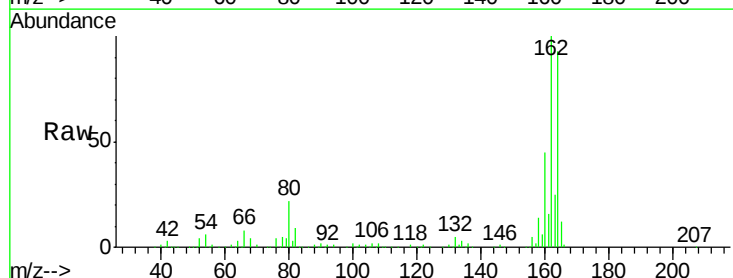


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

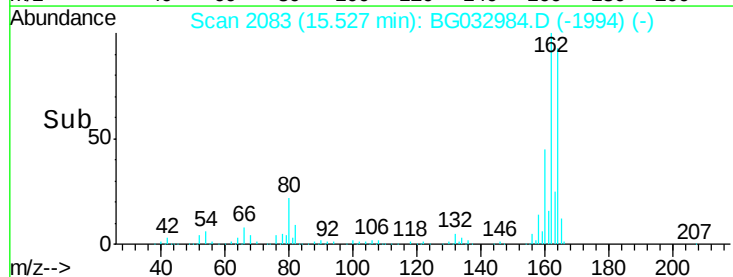
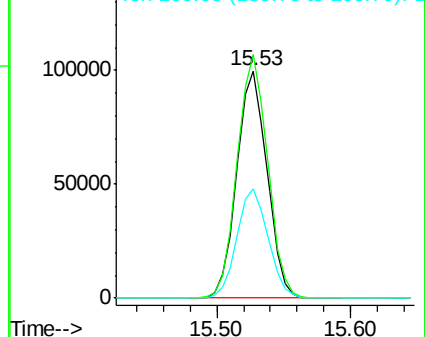


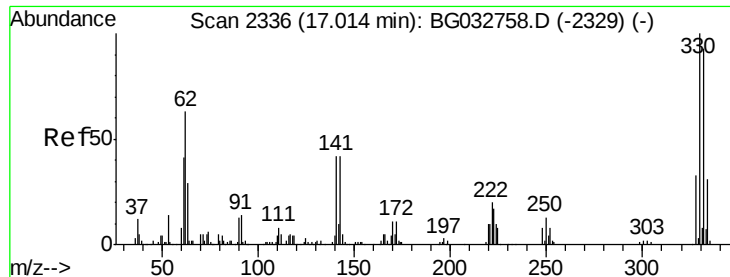
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Tgt Ion:164 Resp: 156327
Ion Ratio Lower Upper
164 100
162 107.2 78.8 118.2
160 48.1 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

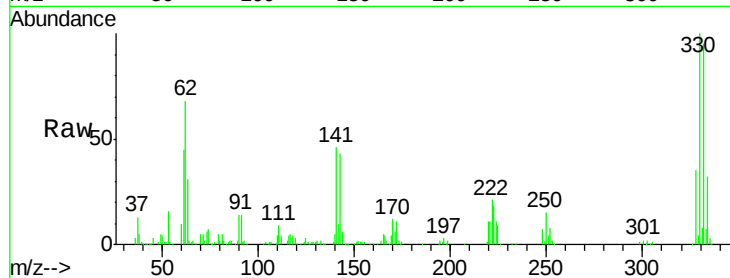




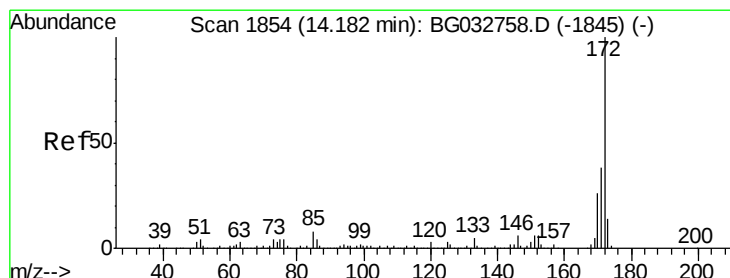
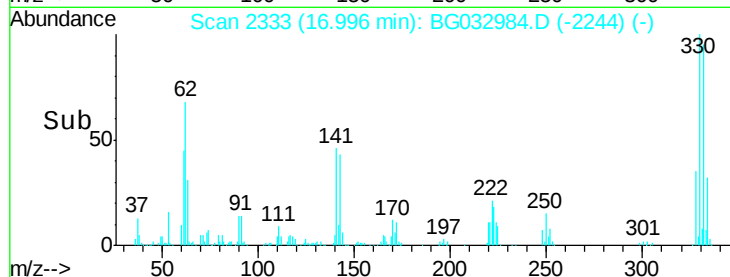
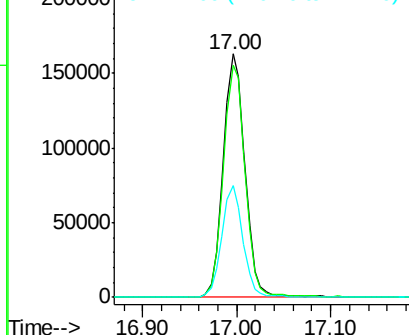
#41
 2,4,6-Tribromophenol
 Concen: 160.483 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 263790
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 44.8 25.2 37.8#

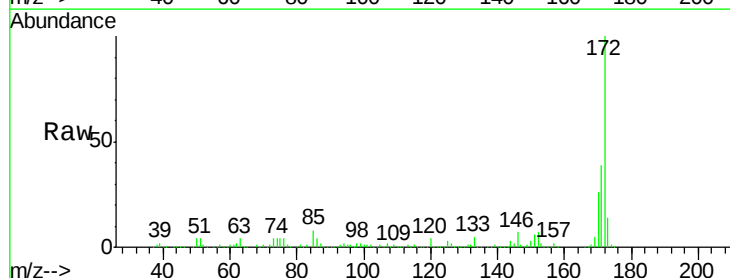


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

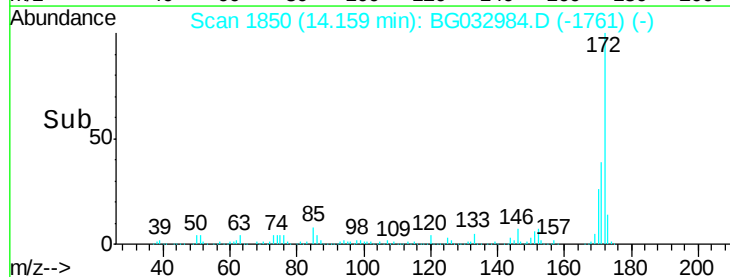
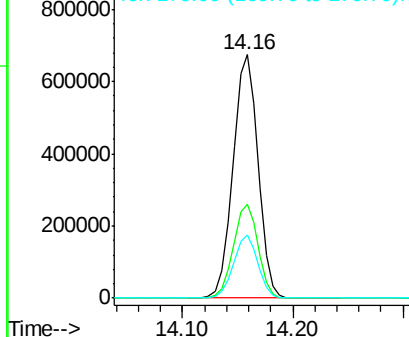


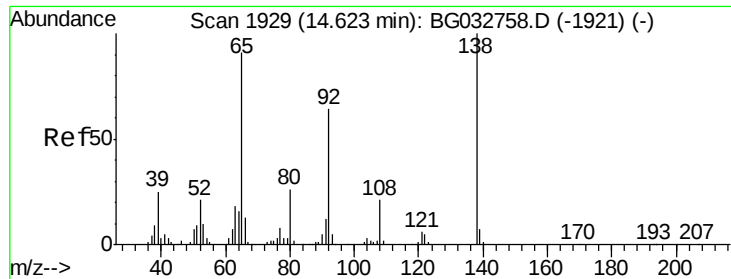
#44
 2-Fluorobiphenyl
 Concen: 98.695 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Tgt Ion:172 Resp: 1069764
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.8 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

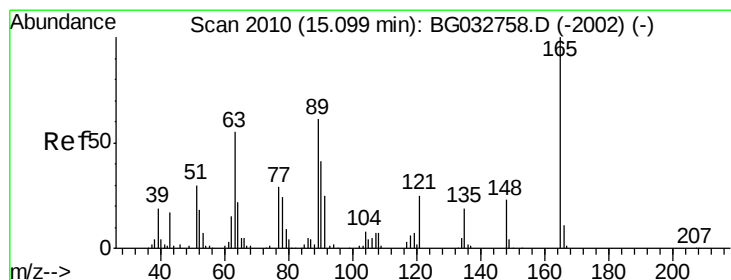
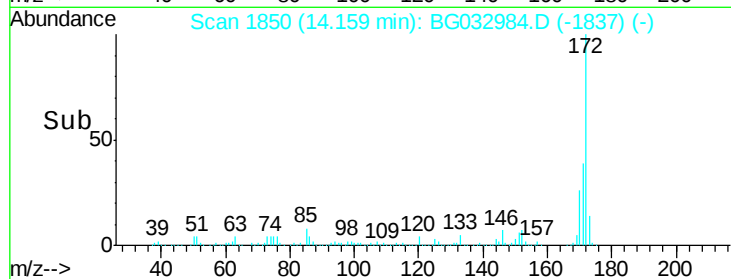
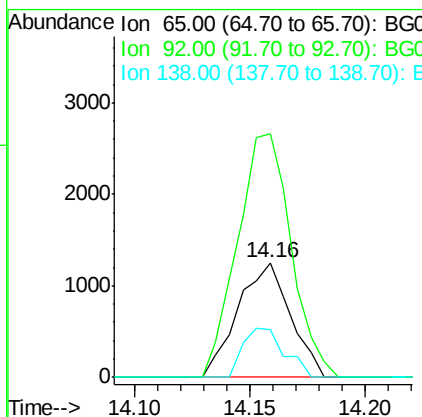
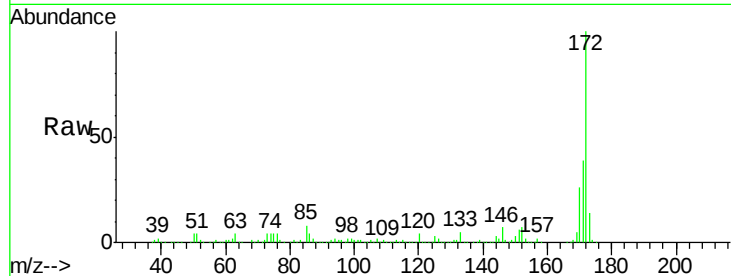




#47
 2-Nitroaniline
 Concen: 10.447 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.45 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

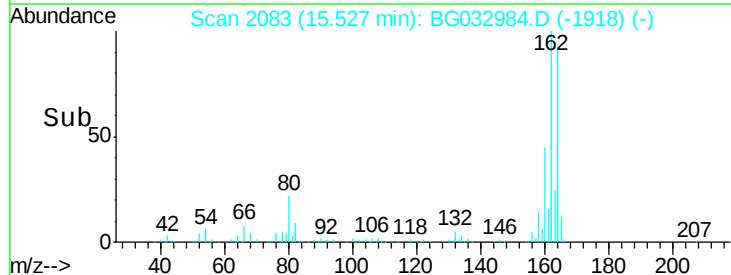
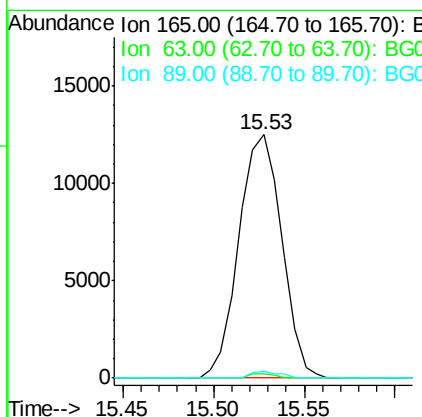
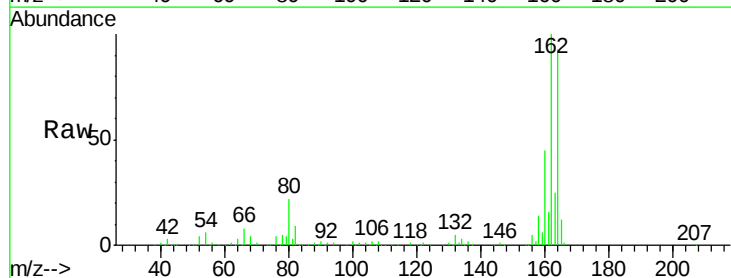
Instrument :
 BNA_G
 ClientSampleId :

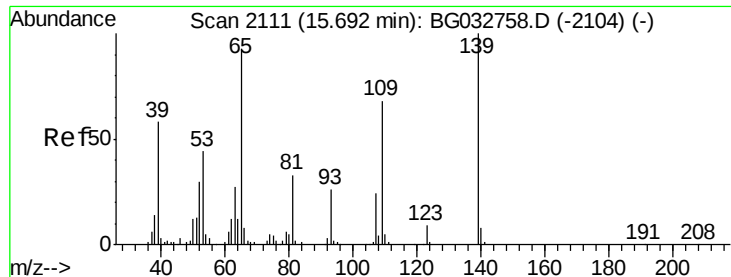
Tot Ion: 65 Resp: 1979
 Ion Ratio Lower Upper
 65 100
 92 211.9 54.6 82.0#
 138 41.2 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.568 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Tgt Ion:165 Resp: 20684
 Ion Ratio Lower Upper
 165 100
 63 1.7 52.7 79.1#
 89 2.6 49.2 73.8#

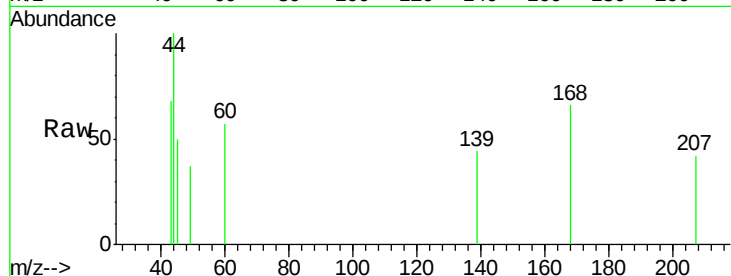




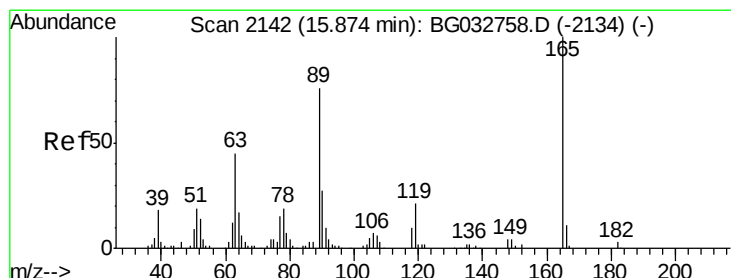
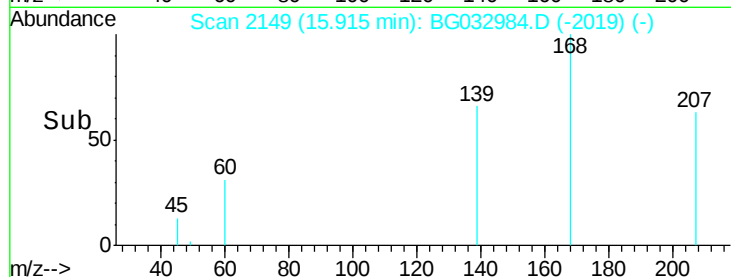
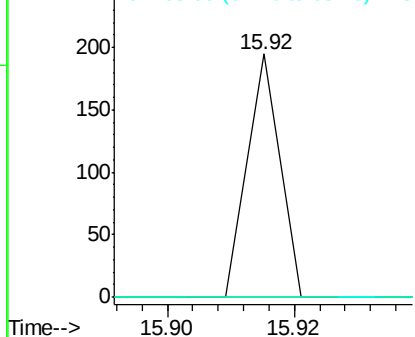
#55
4-Nitrophenol
Concen: 7.109 ng
RT: 15.92 min Scan# 2149
Delta R.T. 0.23 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 69
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

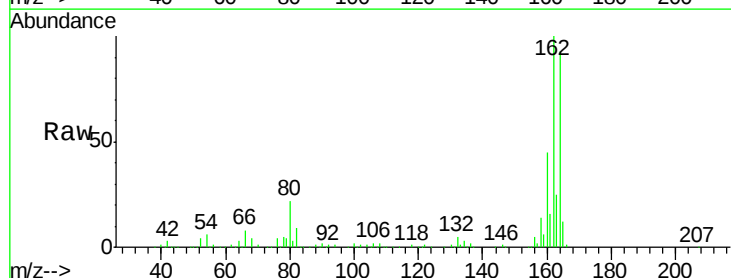


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

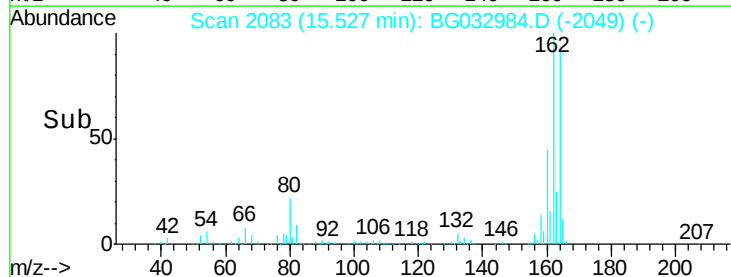
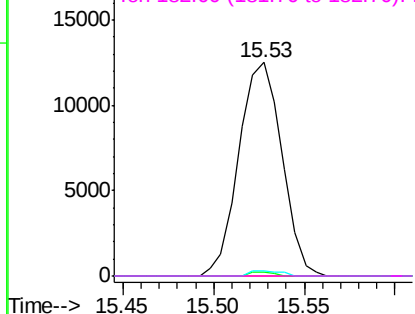


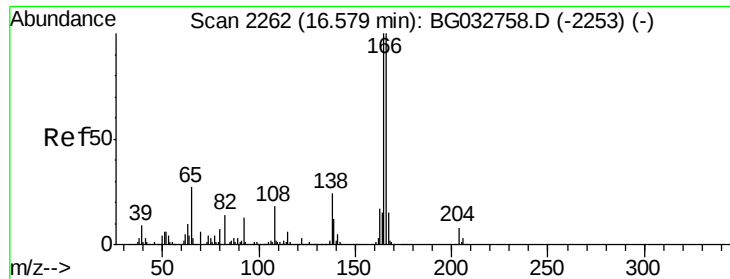
#56
2,4-Dinitrotoluene
Concen: 14.766 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Tgt Ion:165 Resp: 20684
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 2.6 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): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E

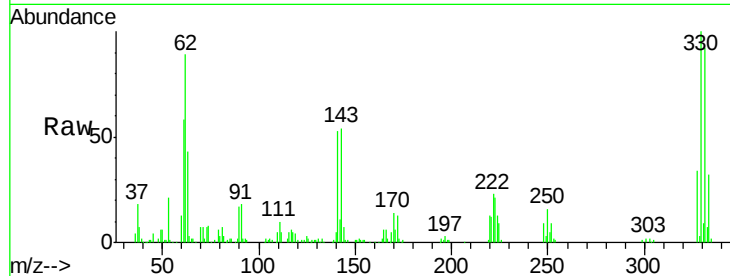




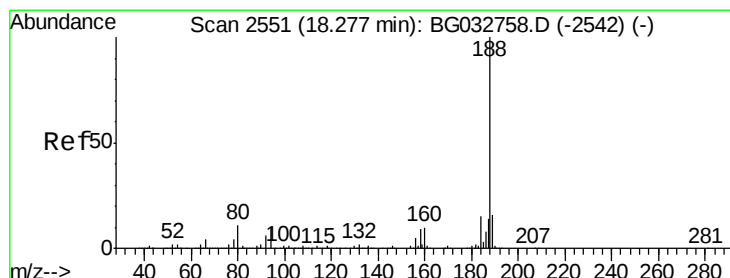
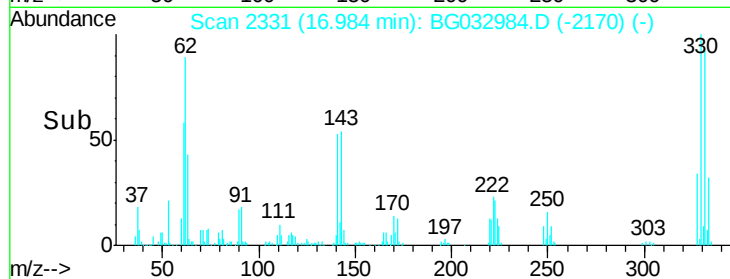
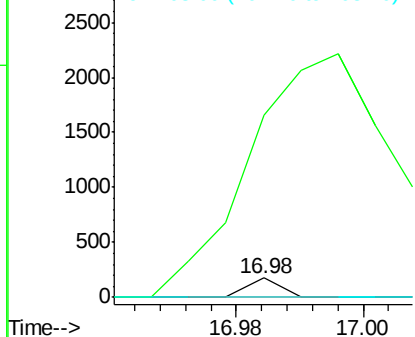
#61
4-Nitroaniline
Concen: 5.319 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.42 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:138 Resp: 62
Ion Ratio Lower Upper
138 100
92 948.0 40.1 80.1#
108 0.0 65.4 105.4#

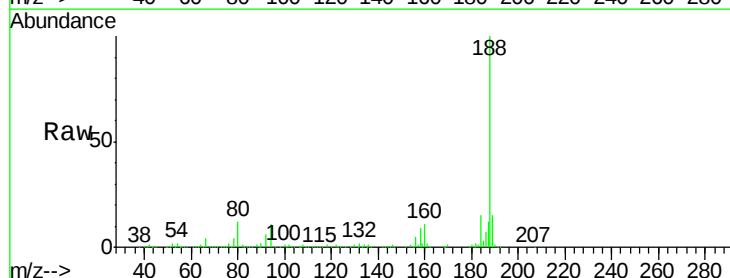


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

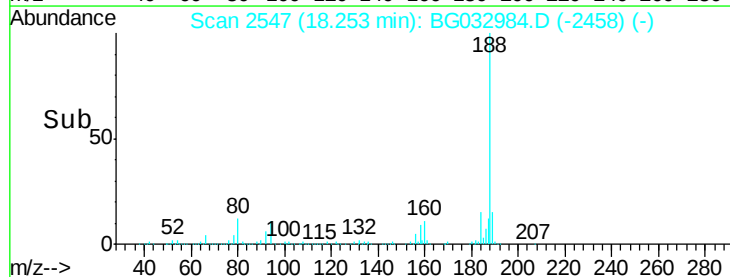
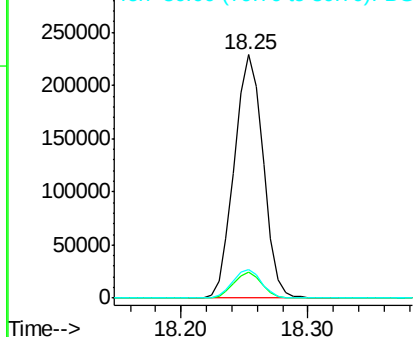


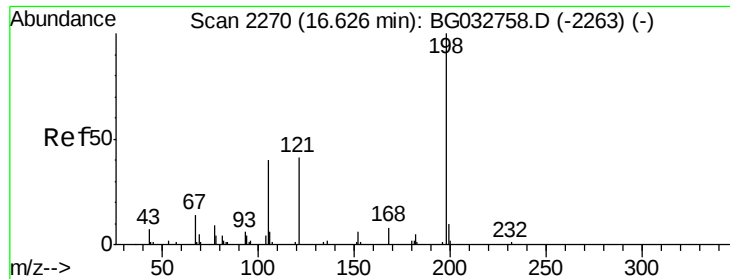
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032984.D
Acq: 5 Mar 2018 11:33

Tgt Ion:188 Resp: 360268
Ion Ratio Lower Upper
188 100
94 10.6 6.9 10.3#
80 11.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

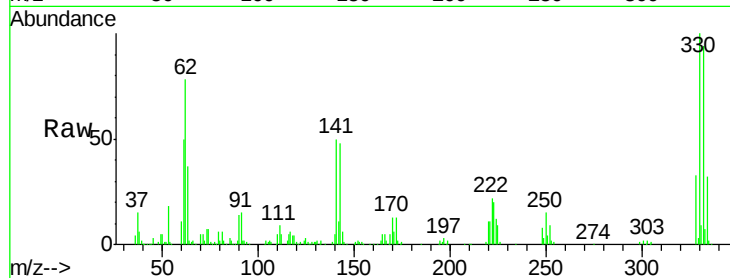




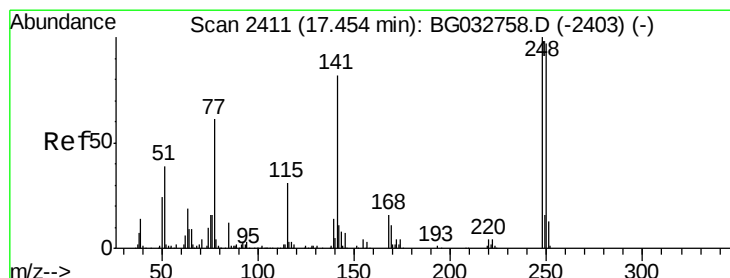
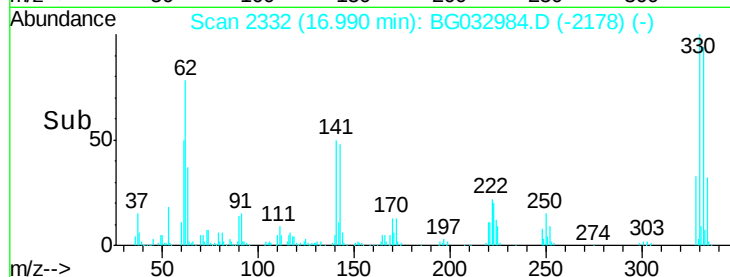
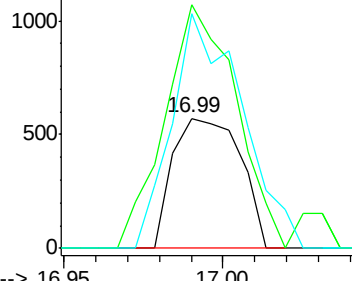
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.940 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.37 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 842
 Ion Ratio Lower Upper
 198 100
 51 187.4 30.6 70.6#
 105 180.7 23.8 63.8#

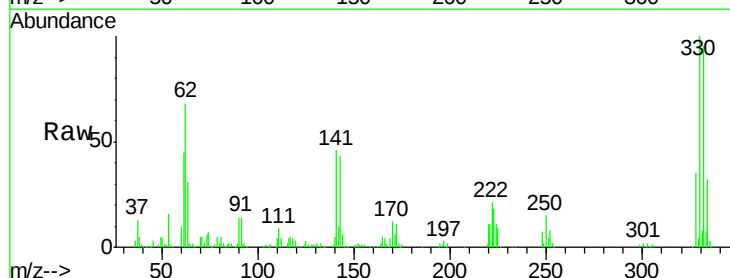


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

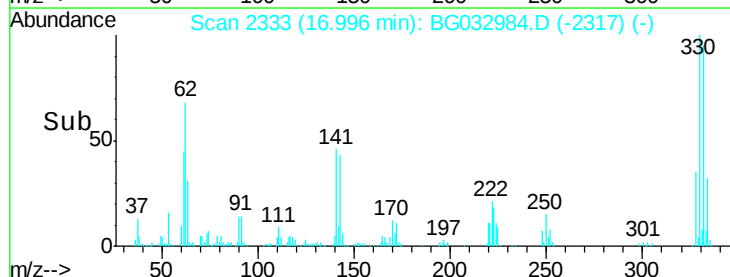
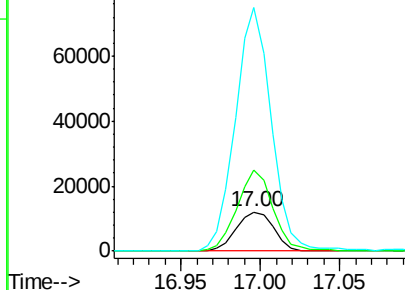


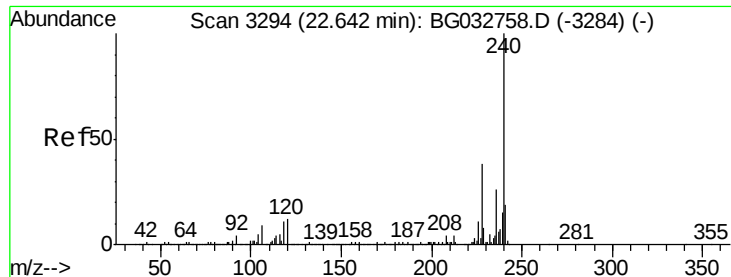
#66
 4-Bromophenyl-phenylether
 Concen: 5.227 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Tgt Ion:248 Resp: 19912
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.1 115.7#
 141 618.8 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

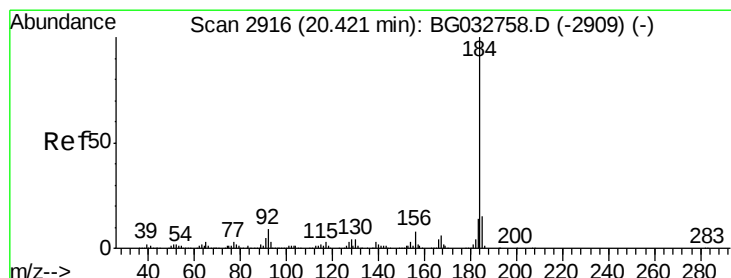
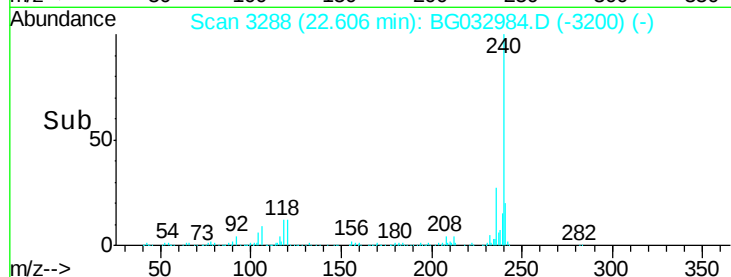
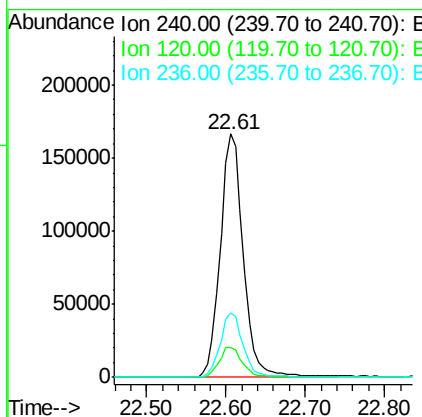
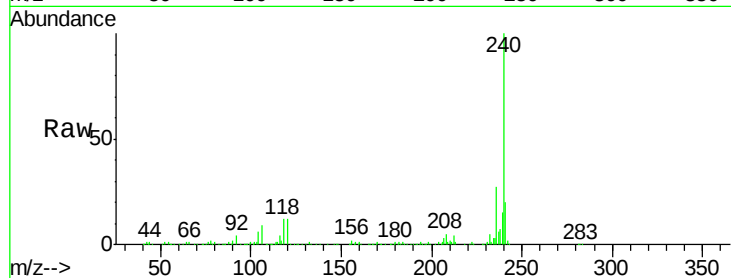




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

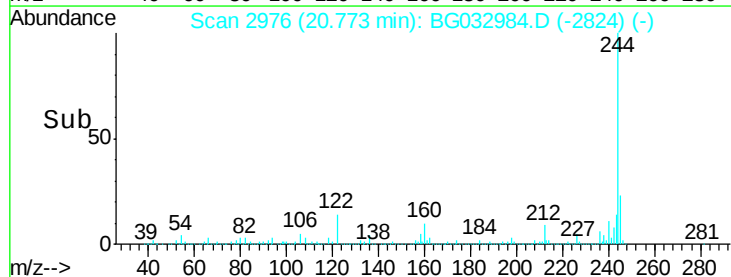
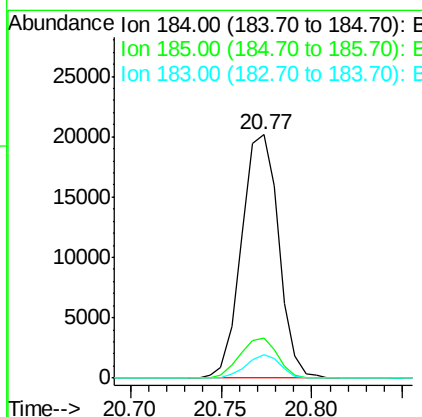
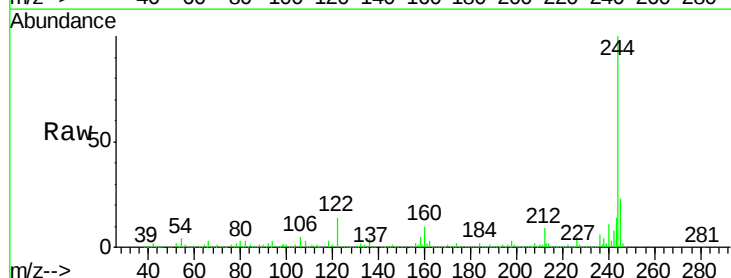
Instrument :
 BNA_G
 ClientSampleId :

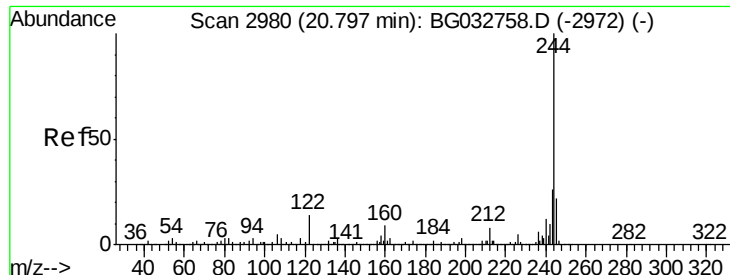
Tot Ion:240 Resp: 335372
 Ion Ratio Lower Upper
 240 100
 120 12.5 6.8 10.2#
 236 26.7 20.9 31.3



#76
 Benzidine
 Concen: 2.521 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. 0.36 min
 Lab File: BG032984.D
 Acq: 5 Mar 2018 11:33

Tgt Ion:184 Resp: 28817
 Ion Ratio Lower Upper
 184 100
 185 16.6 11.1 16.7
 183 9.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 107.043 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

Instrument :

BNA_G

ClientSampleId :

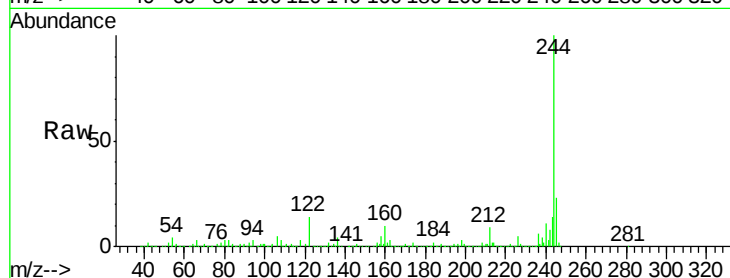
Tot Ion:244 Resp: 1597838

Ion Ratio Lower Upper

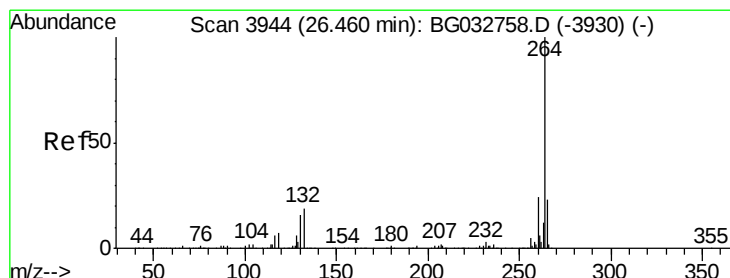
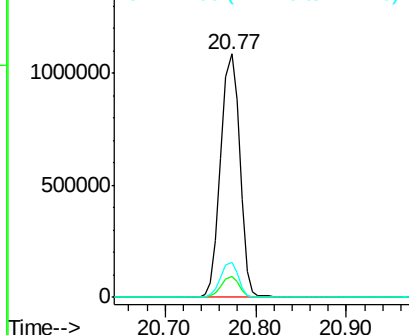
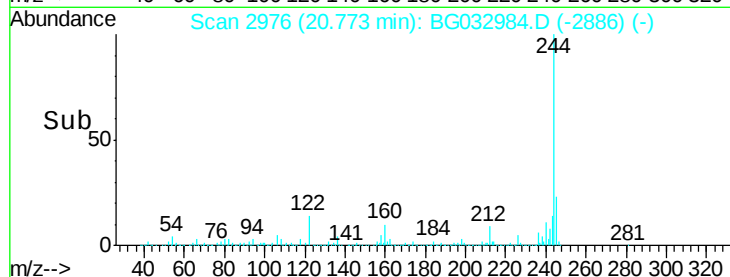
244 100

212 8.8 5.8 8.8#

122 14.4 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

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. -0.01 min

Lab File: BG032984.D

Acq: 5 Mar 2018 11:33

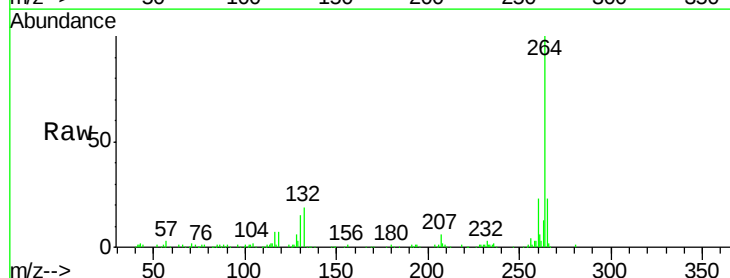
Tgt Ion:264 Resp: 319511

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

