

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032891.D
 Acq On : 28 Feb 2018 17:19
 Operator : SJ/JU
 Sample : J1399-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:25:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	87040	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	384935	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	196893	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	381455	20.00	ng	0.00
75) Chrysene-d12	22.62	240	386996	20.00	ng	-0.01
86) Perylene-d12	26.43	264	404206	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.34	112	685687	126.03	ng	0.00
7) Phenol-d6	8.02	99	792980	104.57	ng	0.00
23) Nitrobenzene-d5	10.12	82	631157	110.43	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	289711	139.94	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1302120	95.38	ng	0.00
78) Terphenyl-d14	20.78	244	1596550	92.69	ng	0.00

Target Compounds

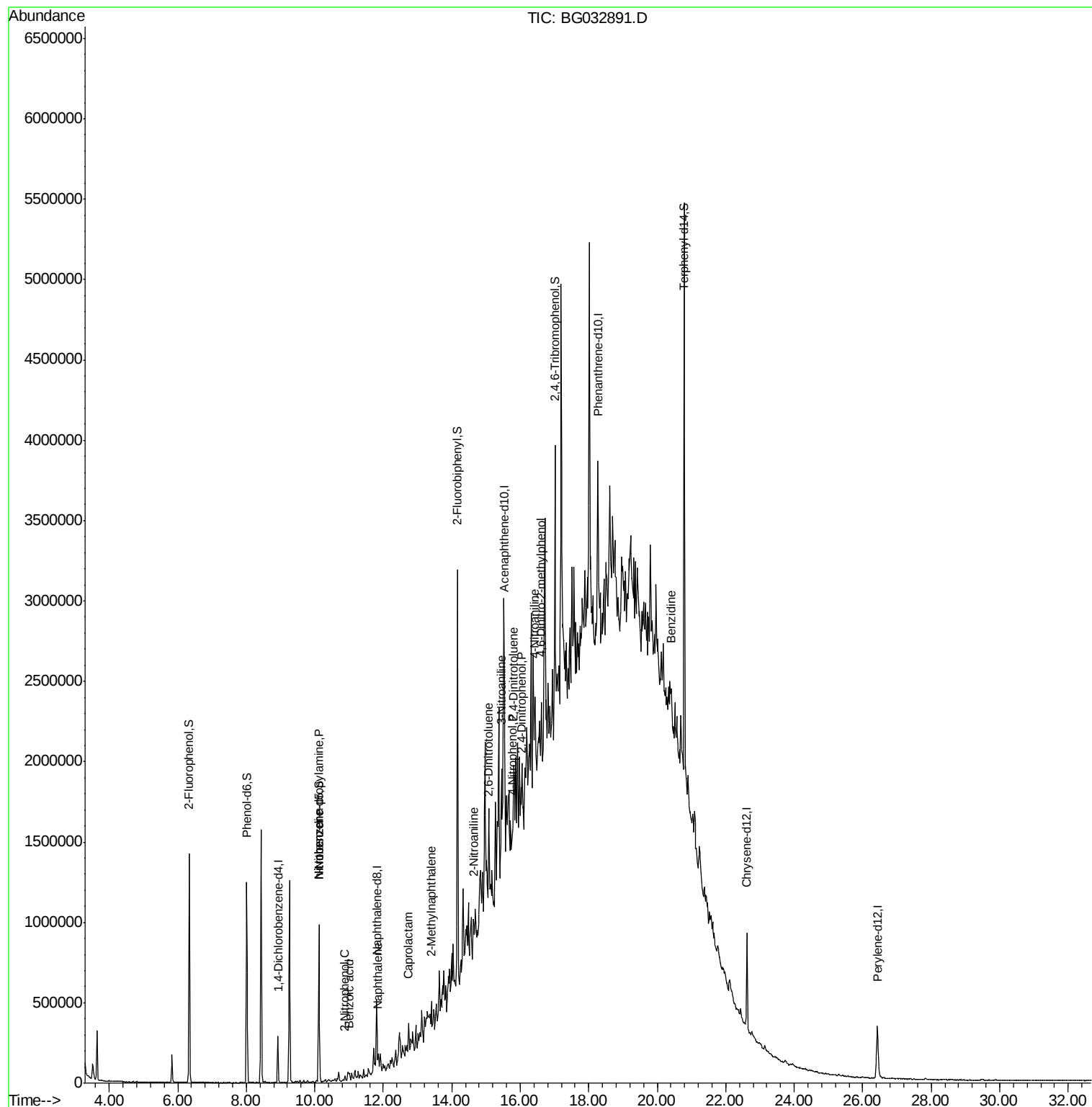
						Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	85555	15.981	ng	# 81
24) Nitrobenzene	10.12	77	2639	6.753	ng	# 49
26) 2-Nitrophenol	10.89	139	54	5.459	ng	# 1
31) Naphthalene	11.86	128	81265	4.040	ng	# 98
32) Benzoic acid	11.02	122	1158	6.202	ng	# 58
35) Caprolactam	12.74	113	5015	2.351	ng	# 1
37) 2-Methylnaphthalene	13.40	142	69750	4.793	ng	# 94
47) 2-Nitroaniline	14.64	65	5660	11.224	ng	# 55
50) 2,6-Dinitrotoluene	15.07	165	13079	12.749	ng	# 25
52) 3-Nitroaniline	15.44	138	13509	10.869	ng	# 14
53) 2,4-Dinitrophenol	16.04	184	2118	6.788	ng	# 84
55) 4-Nitrophenol	15.75	139	1876	7.705	ng	# 1
56) 2,4-Dinitrotoluene	15.82	165	1949	7.413	ng	# 31
61) 4-Nitroaniline	16.42	138	19079	9.989	ng	# 87
64) 4,6-Dinitro-2-methylphenol	16.62	198	2334	7.512	ng	# 1
76) Benzidine	20.41	184	60168	4.561	ng	# 63

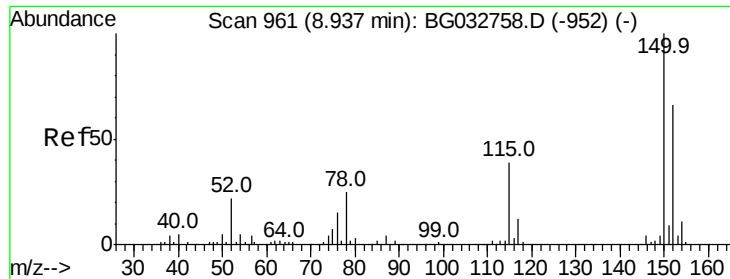
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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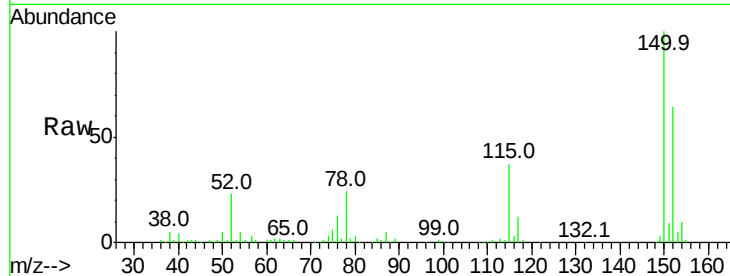


#1

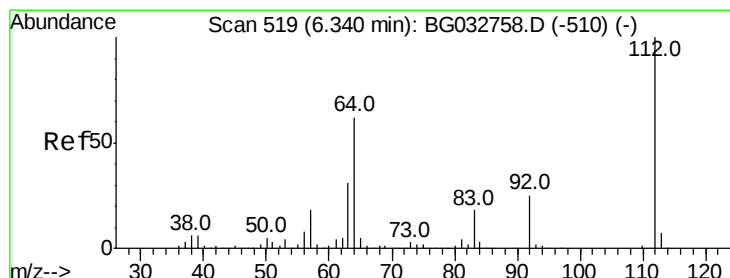
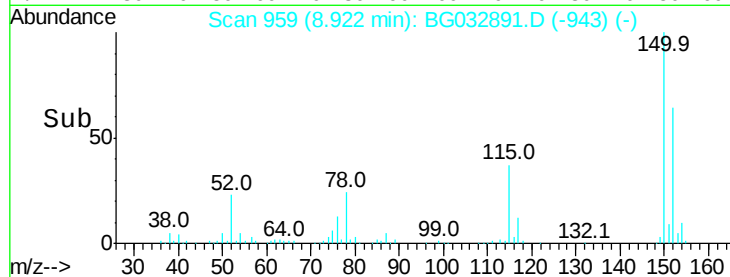
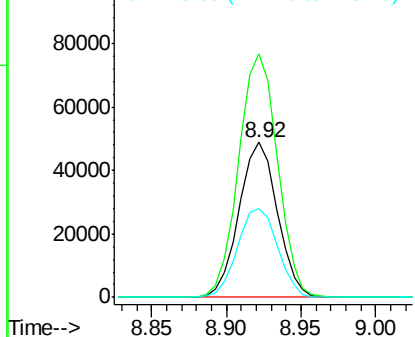
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.92 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 87040
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.6 189.8
 115 57.6 53.0 79.4



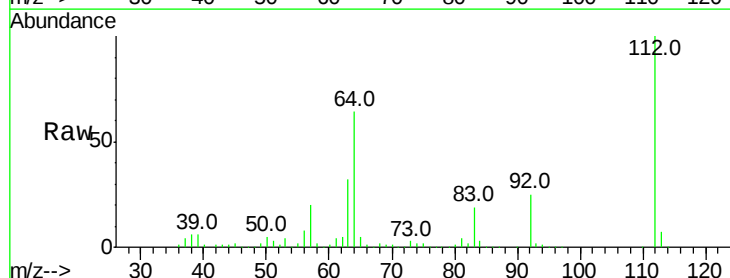
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



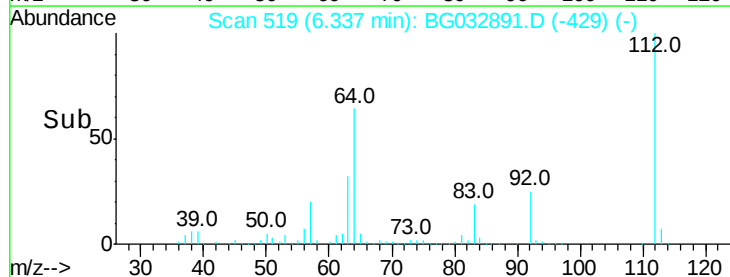
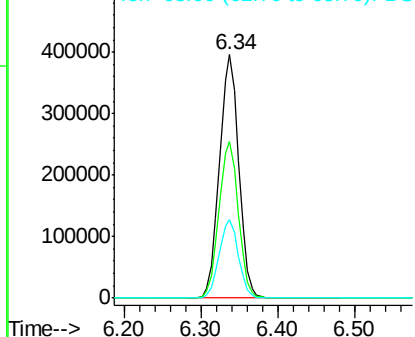
#5

2-Fluorophenol
 Concen: 126.034 ng
 RT: 6.34 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

Tgt Ion:112 Resp: 685687
 Ion Ratio Lower Upper
 112 100
 64 64.1 56.3 84.5
 63 32.2 30.1 45.1



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





#7

Phenol-d6

Concen: 104.569 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampled :

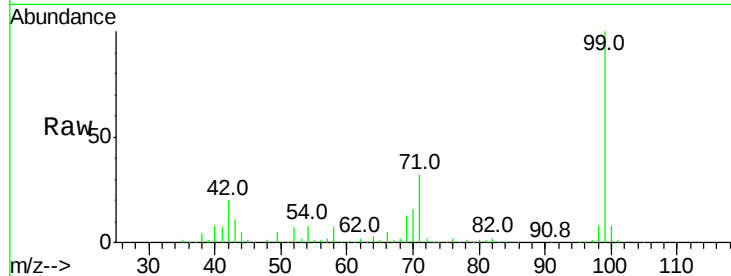
Tot Ion: 99 Resp: 792980

Ion Ratio Lower Upper

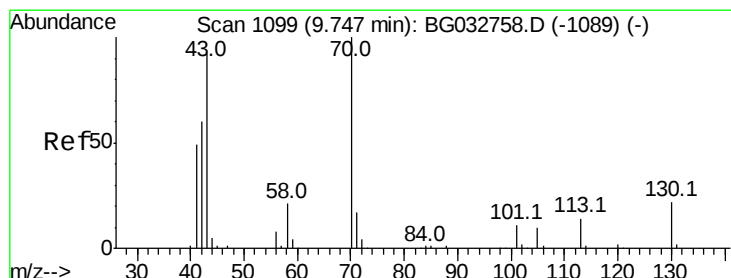
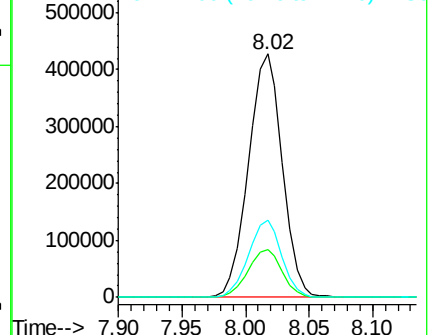
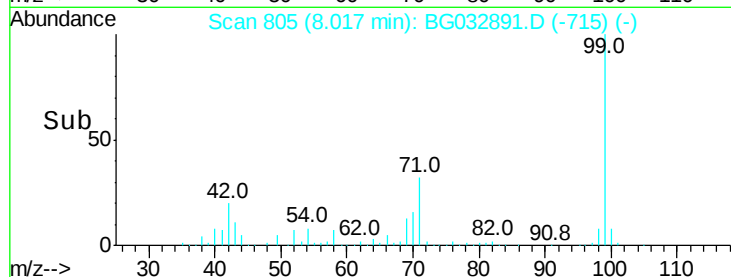
99 100

42 19.7 14.1 21.1

71 31.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.981 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Tgt Ion: 70 Resp: 85555

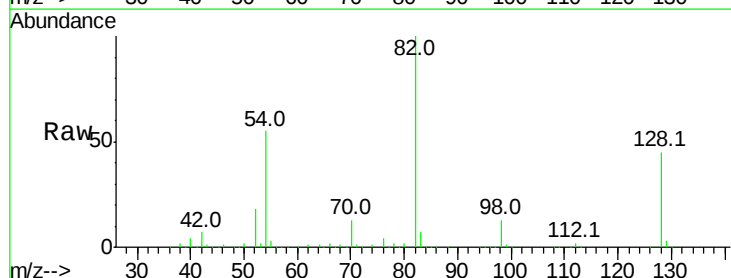
Ion Ratio Lower Upper

70 100

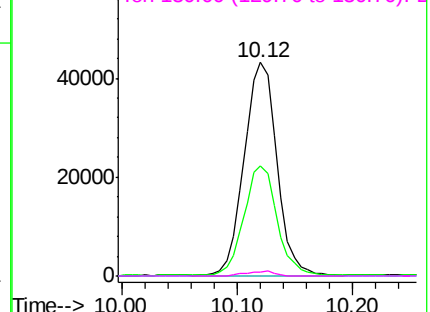
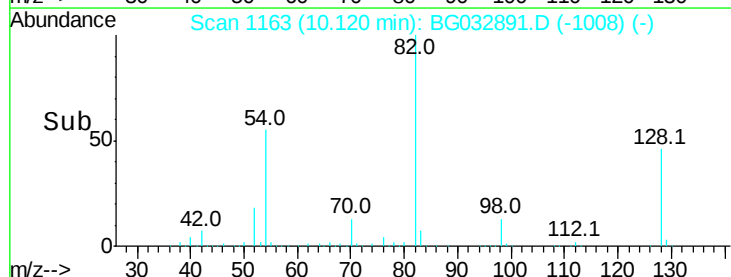
42 51.7 49.1 73.7

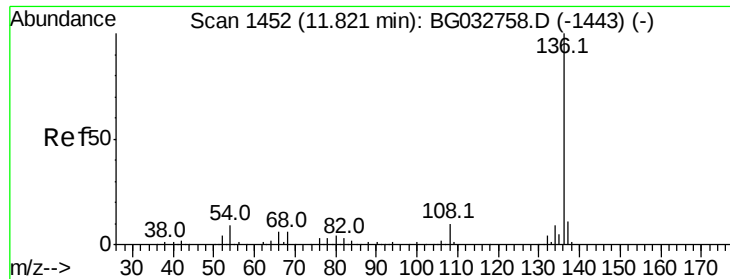
101 0.0 8.5 12.7#

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: 11.81 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 384935

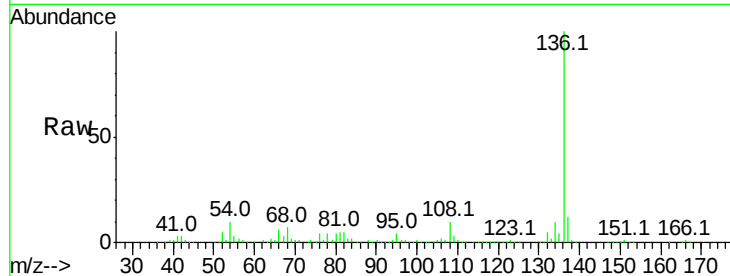
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 10.2 10.3 15.5#

68 7.4 4.5 6.7#

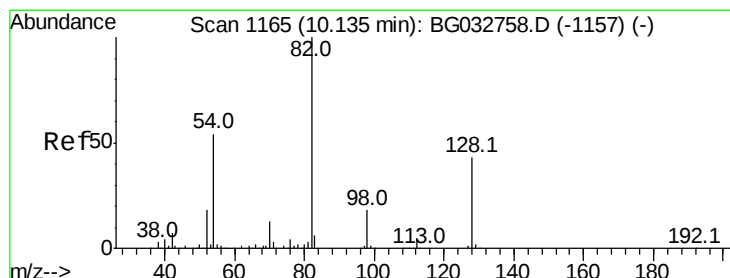
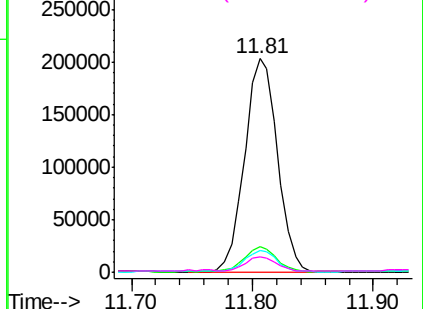
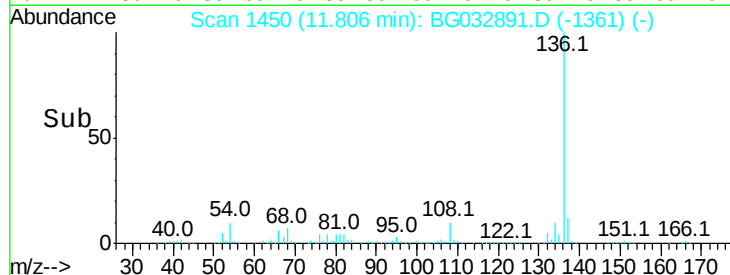


Abundance Ion 136.00 (135.70 to 136.70): E

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: 110.427 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

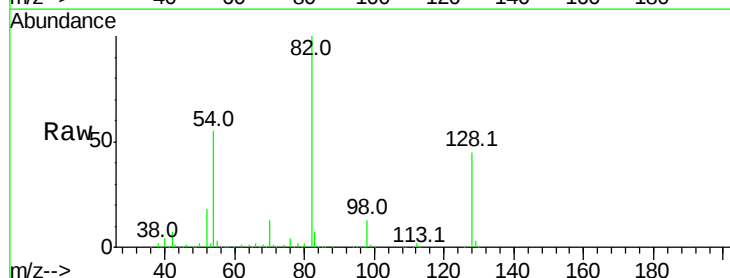
Tgt Ion: 82 Resp: 631157

Ion Ratio Lower Upper

82 100

128 45.4 29.7 44.5#

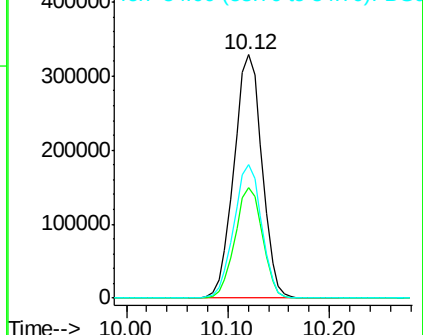
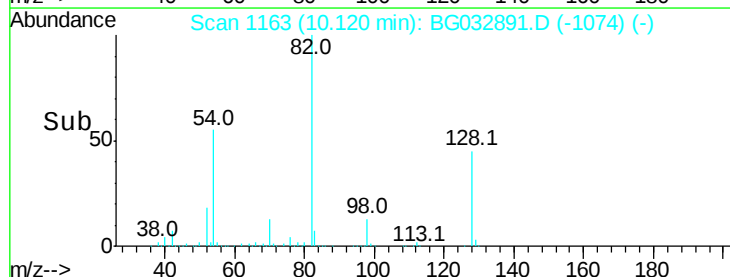
54 54.8 43.1 64.7



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: 6.753 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

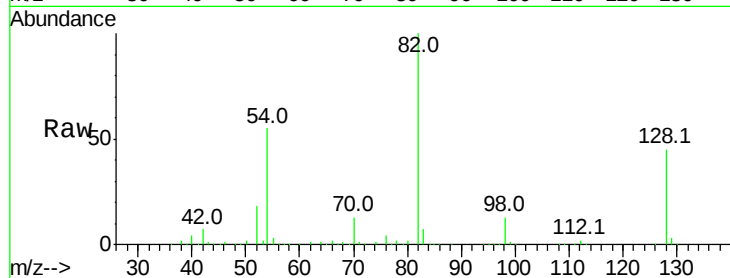
Tot Ion: 77 Resp: 2639

Ion Ratio Lower Upper

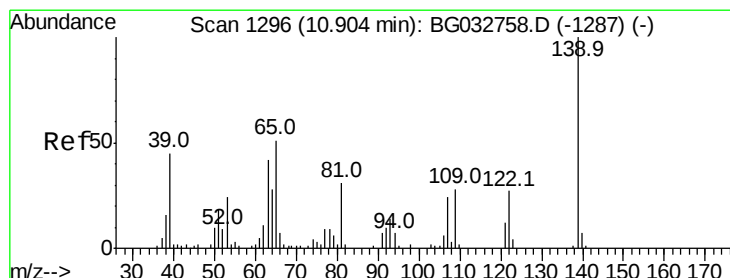
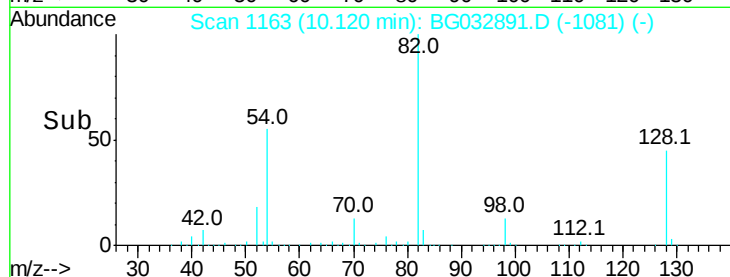
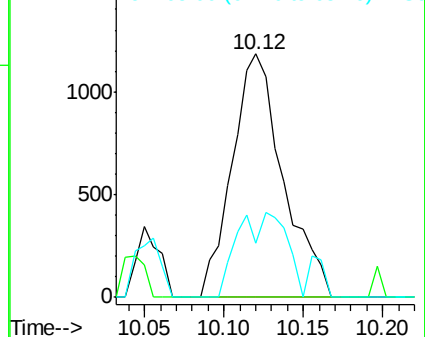
77 100

123 0.0 33.0 49.6#

65 22.3 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



#26

2-Nitrophenol

Concen: 5.459 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

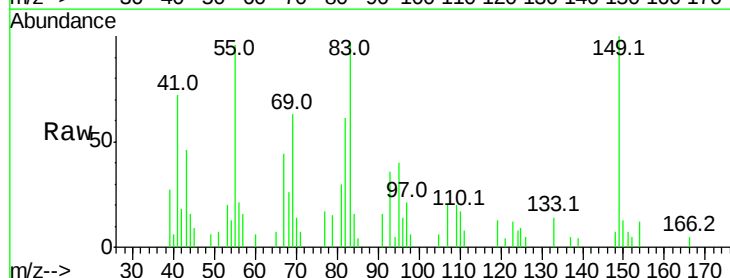
Tgt Ion: 139 Resp: 54

Ion Ratio Lower Upper

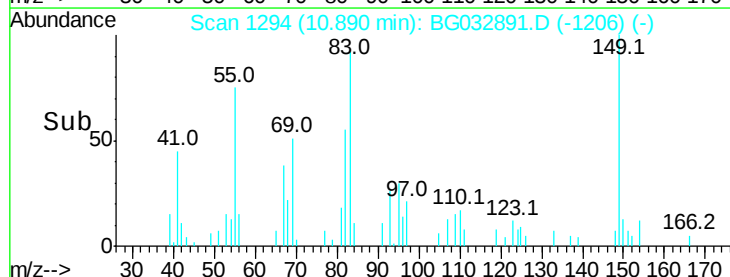
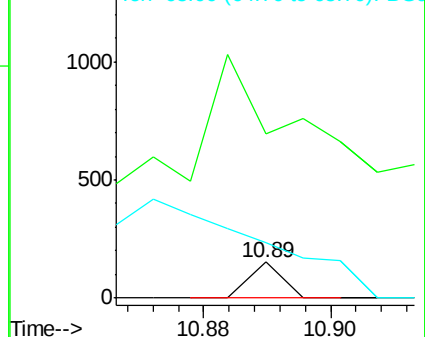
139 100

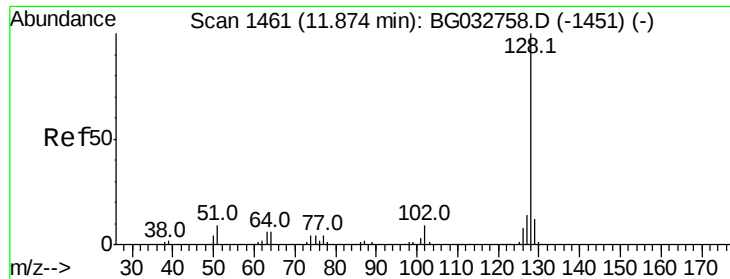
109 458.6 24.2 36.2#

65 155.9 47.4 71.0#



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





#31

Naphthalene

Concen: 4.040 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

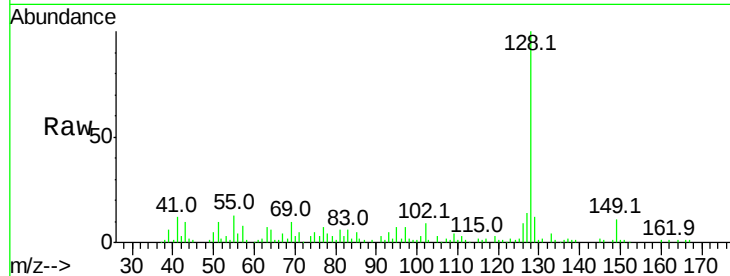
Tot Ion:128 Resp: 81265

Ion Ratio Lower Upper

128 100

129 12.0 8.6 12.8

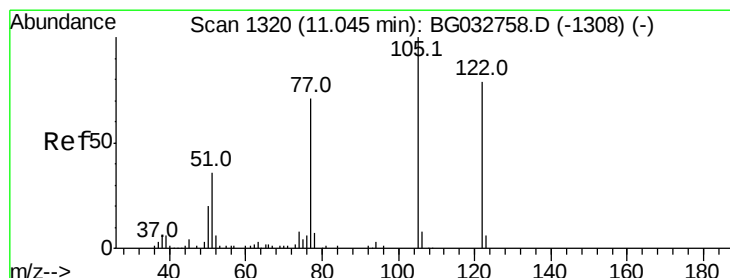
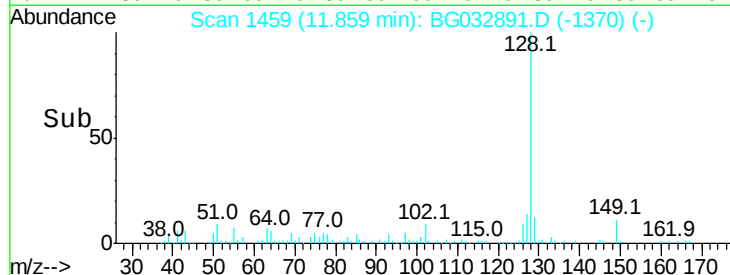
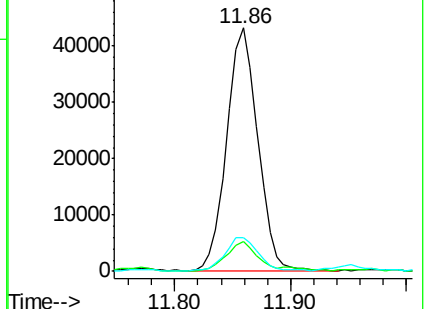
127 14.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.202 ng

RT: 11.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

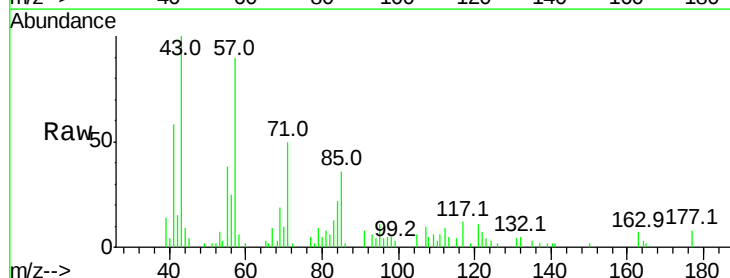
Tgt Ion:122 Resp: 1158

Ion Ratio Lower Upper

122 100

105 83.3 123.5 163.5#

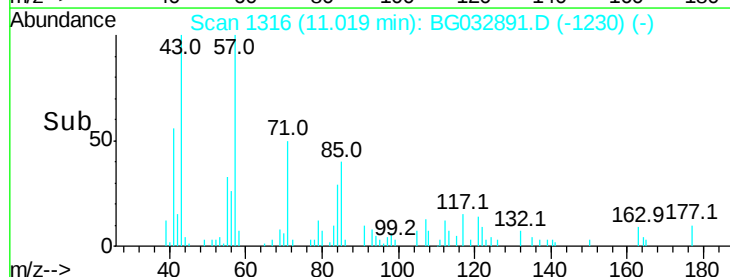
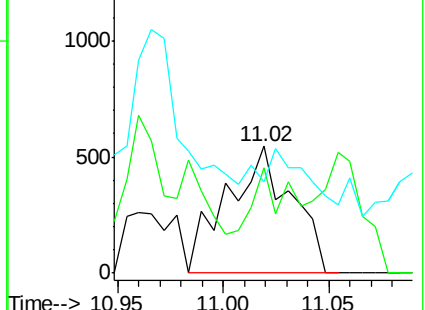
77 72.1 85.7 125.7#

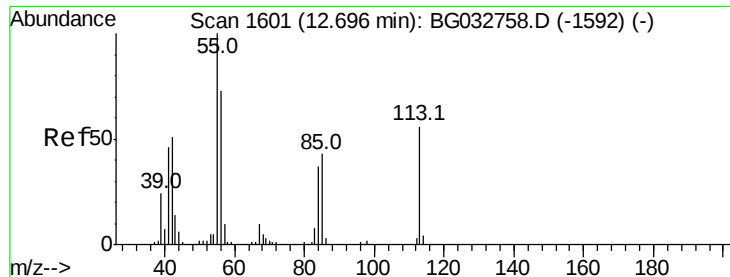


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO

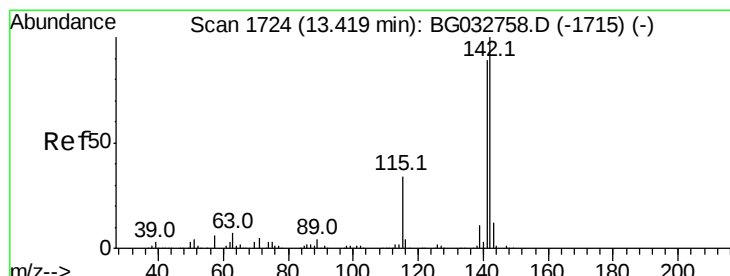
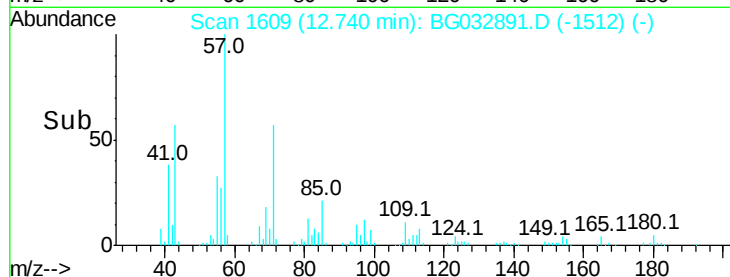
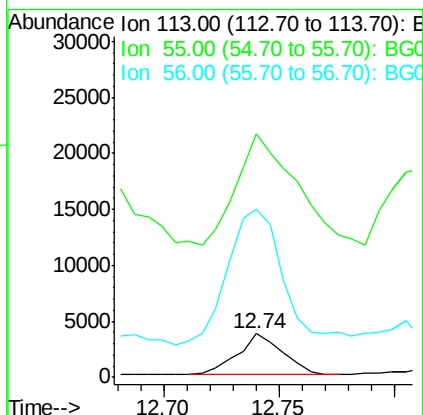
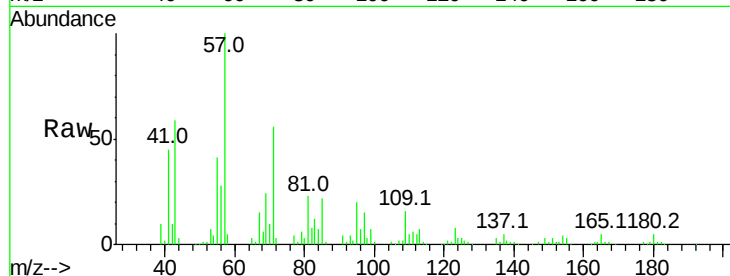




#35
 Caprolactam
 Concen: 2.351 ng
 RT: 12.74 min Scan# 1609
 Delta R.T. 0.04 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

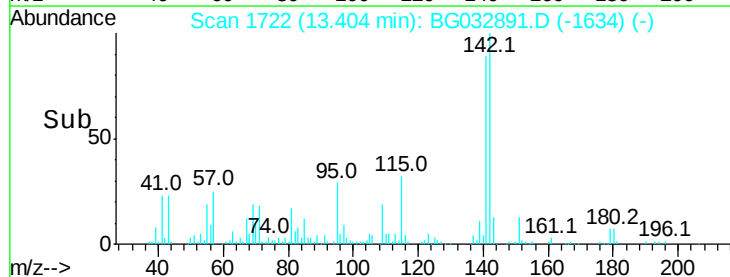
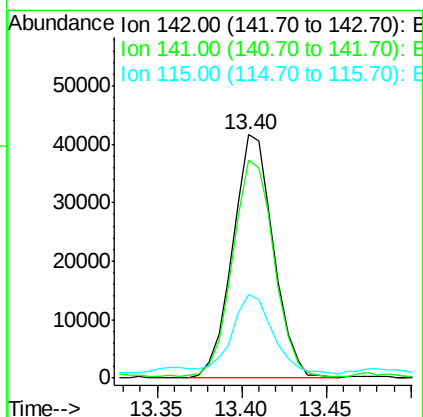
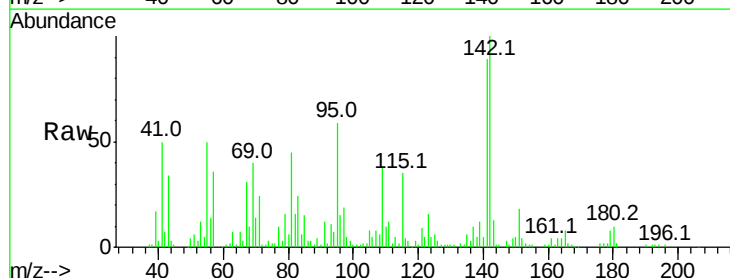
Instrument :
 BNA_G
 ClientSampleId :

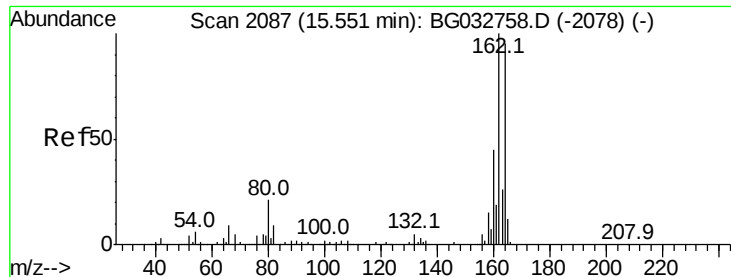
Tot Ion:113 Resp: 5015
 Ion Ratio Lower Upper
 113 100
 55 559.1 186.9 226.9#
 56 386.4 130.9 170.9#



#37
 2-Methylnaphthalene
 Concen: 4.793 ng
 RT: 13.40 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

Tgt Ion:142 Resp: 69750
 Ion Ratio Lower Upper
 142 100
 141 89.3 67.1 100.7
 115 34.5 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

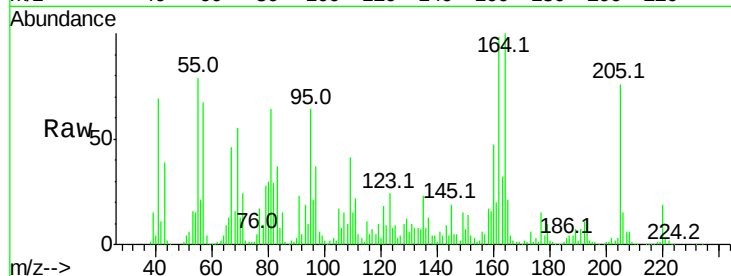
Tot Ion:164 Resp: 196893

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

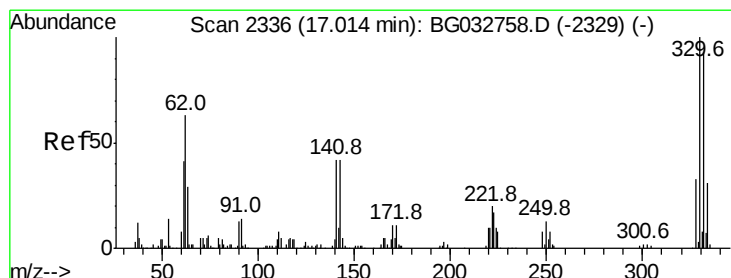
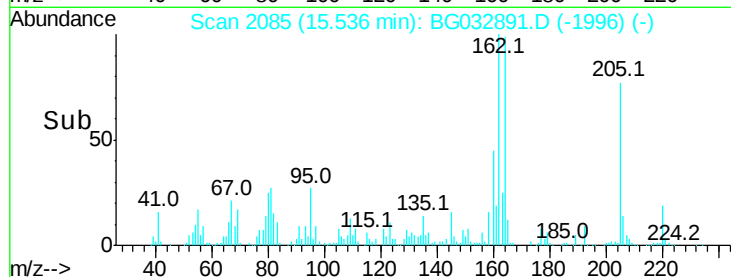
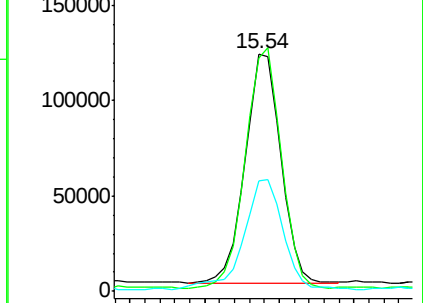
160 46.6 35.4 53.0



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: 139.939 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

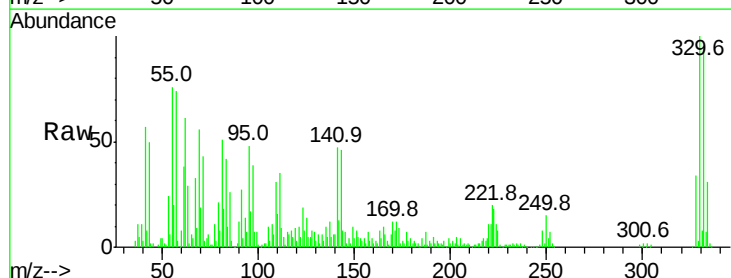
Tgt Ion:330 Resp: 289711

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

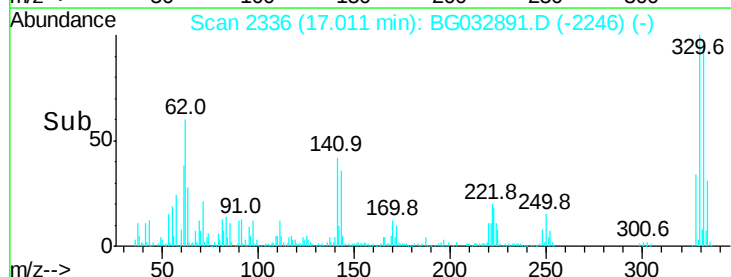
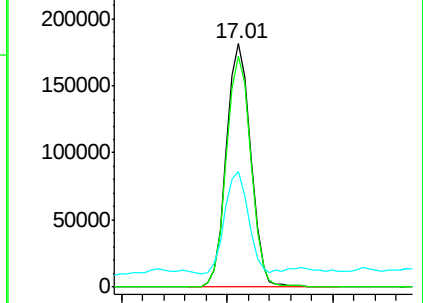
141 40.8 25.2 37.8#

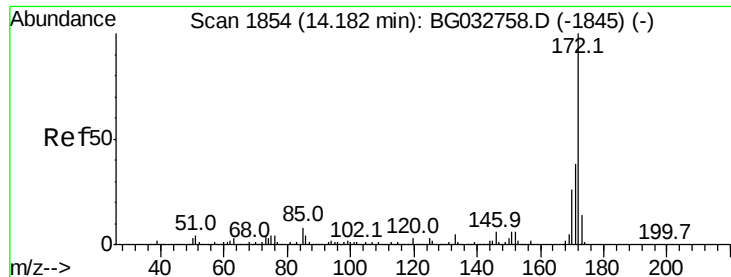


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

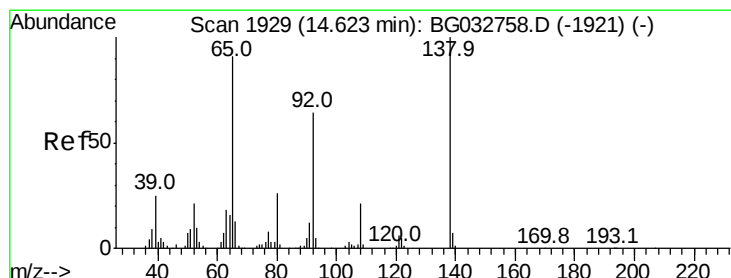
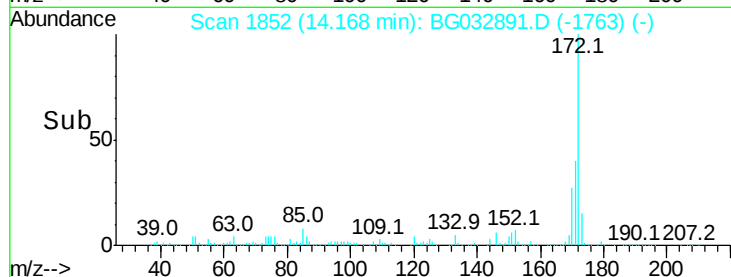
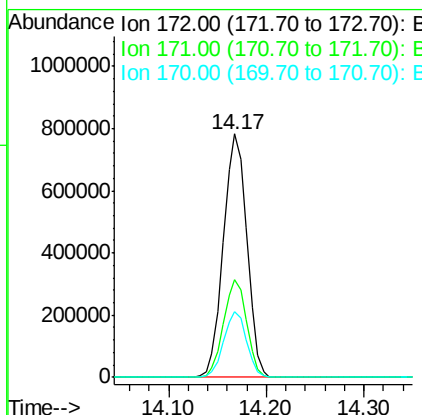
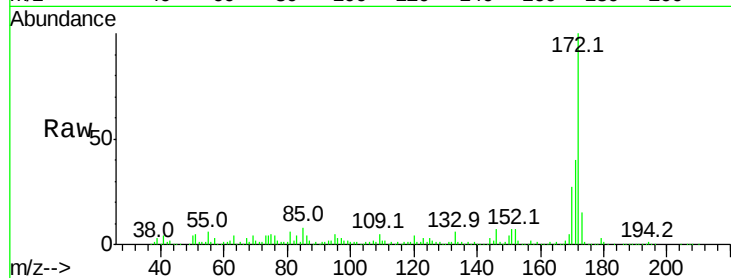




#44
 2-Fluorobiphenyl
 Concen: 95.381 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

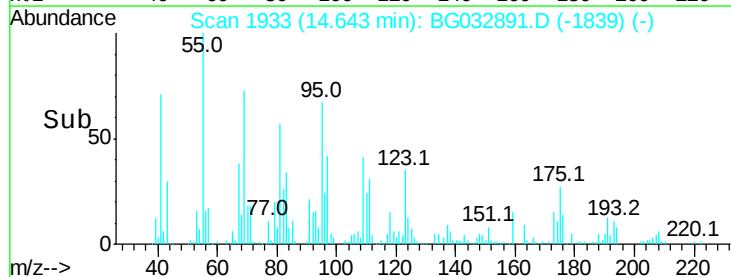
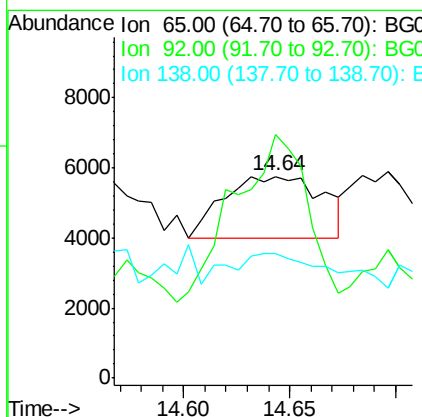
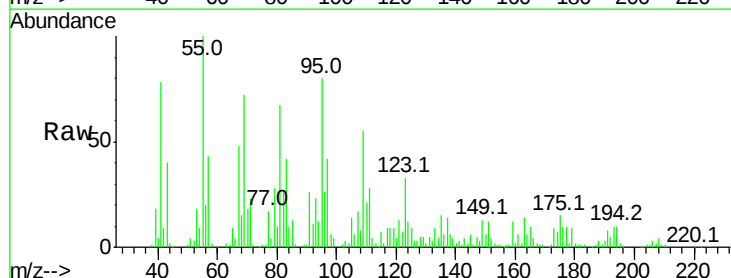
Instrument :
 BNA_G
 ClientSampled :

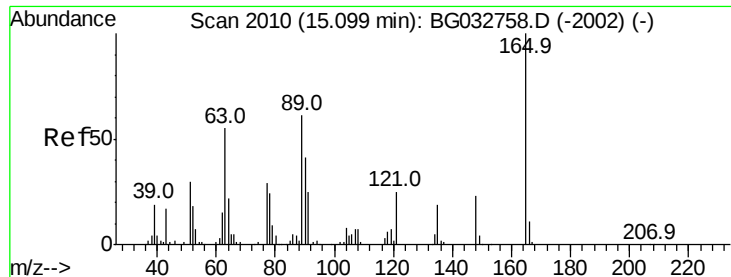
Tot Ion:172 Resp: 1302120
 Ion Ratio Lower Upper
 172 100
 171 40.0 30.0 45.0
 170 26.7 19.5 29.3



#47
 2-Nitroaniline
 Concen: 11.224 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.02 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

Tgt Ion: 65 Resp: 5660
 Ion Ratio Lower Upper
 65 100
 92 120.7 54.6 82.0#
 138 62.1 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 12.749 ng

RT: 15.07 min Scan# 2005

Delta R.T. -0.03 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

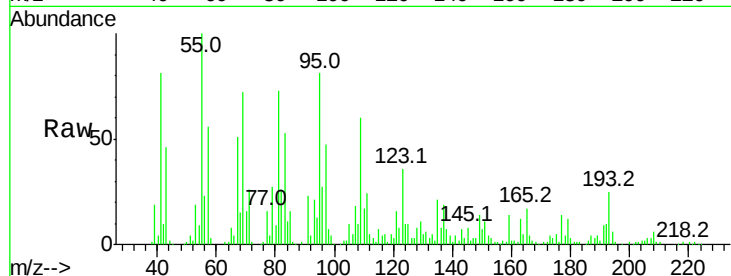
Tot Ion:165 Resp: 13079

Ion Ratio Lower Upper

165 100

63 6.2 52.7 79.1#

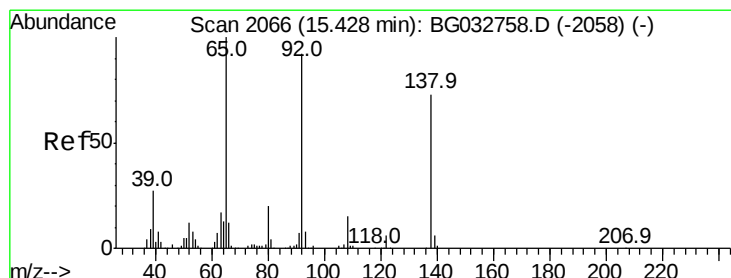
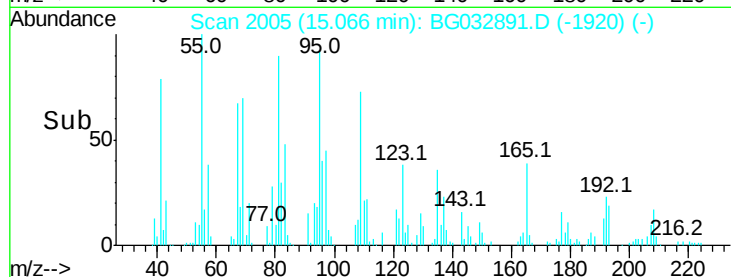
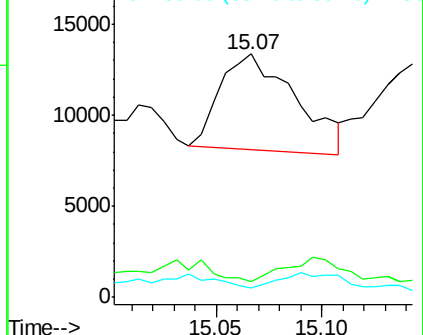
89 3.7 49.2 73.8#



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



#52

3-Nitroaniline

Concen: 10.869 ng

RT: 15.44 min Scan# 2069

Delta R.T. 0.02 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

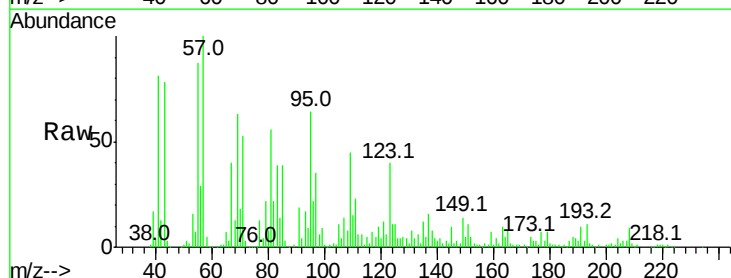
Tgt Ion:138 Resp: 13509

Ion Ratio Lower Upper

138 100

108 106.8 17.5 26.3#

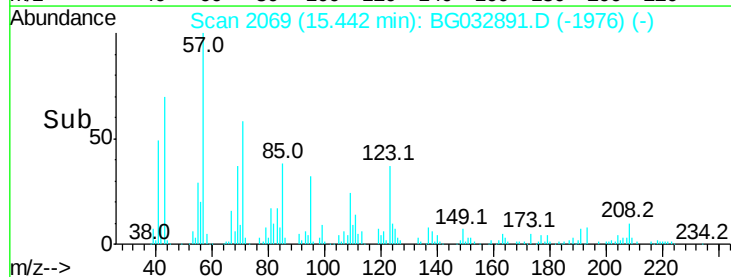
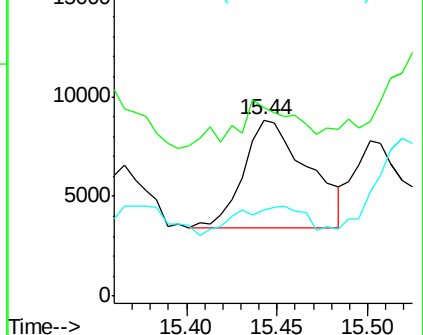
92 48.9 105.8 158.8#

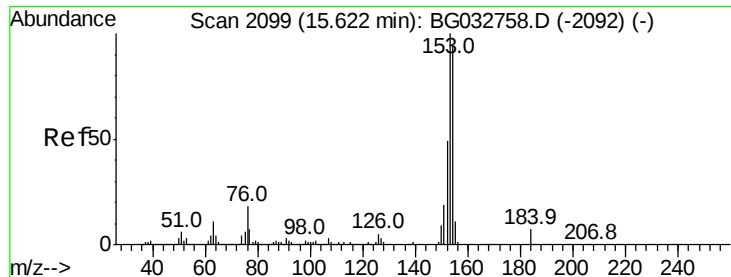


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

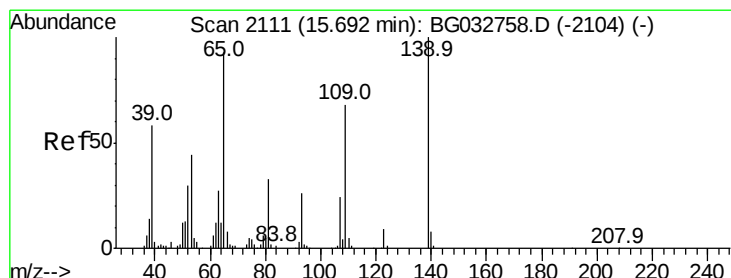
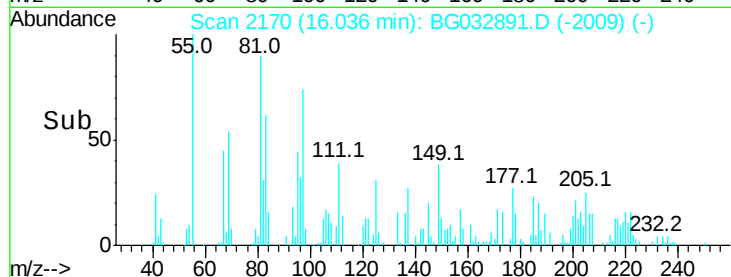
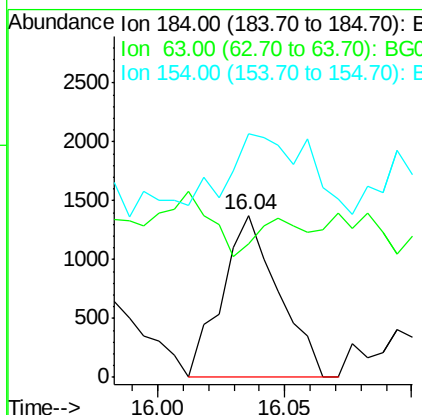
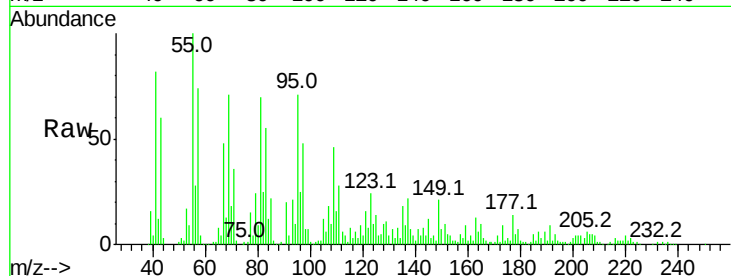




#53
 2,4-Dinitrophenol
 Concen: 6.788 ng
 RT: 16.04 min Scan# 2170
 Delta R.T. 0.42 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

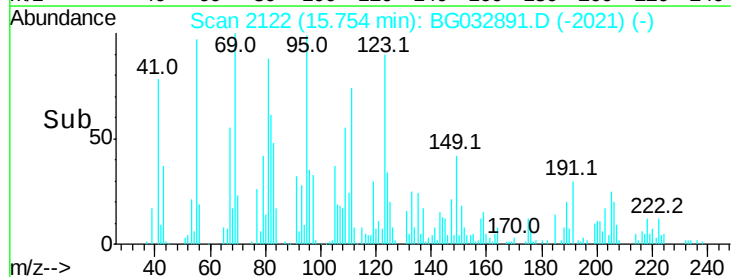
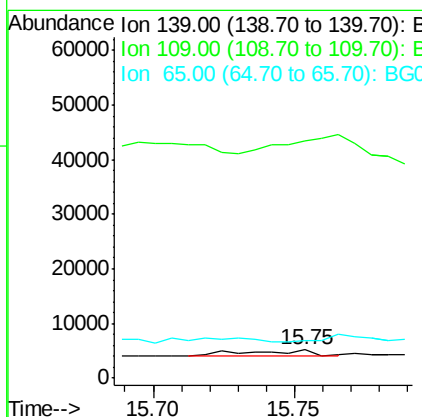
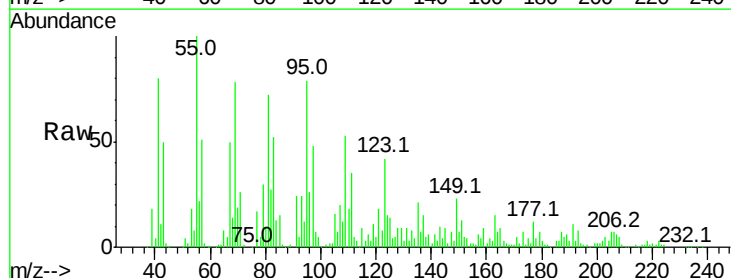
Instrument :
 BNA_G
 ClientSampleId :

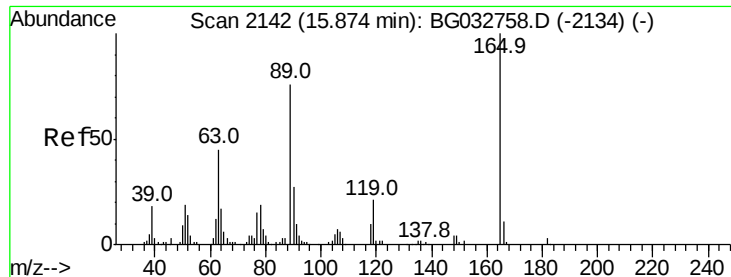
Tot Ion:184 Resp: 2118
 Ion Ratio Lower Upper
 184 100
 63 82.2 59.8 89.8
 154 150.5 101.8 152.8



#55
 4-Nitrophenol
 Concen: 7.705 ng
 RT: 15.75 min Scan# 2122
 Delta R.T. 0.07 min
 Lab File: BG032891.D
 Acq: 28 Feb 2018 17:19

Tgt Ion:139 Resp: 1876
 Ion Ratio Lower Upper
 139 100
 109 842.8 62.2 102.2#
 65 133.1 97.2 137.2





#56

2,4-Dinitrotoluene

Concen: 7.413 ng

RT: 15.82 min Scan# 2133

Delta R.T. -0.05 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 1949

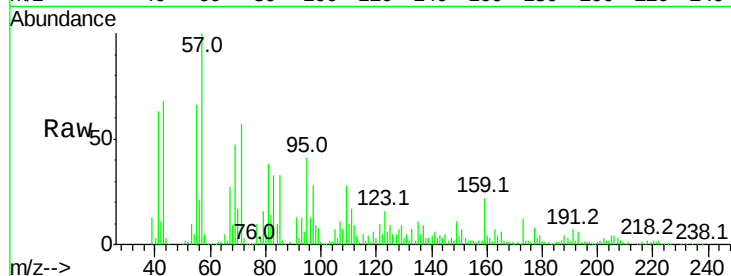
Ion Ratio Lower Upper

165 100

63 16.8 42.0 63.0#

89 9.6 66.9 100.3#

182 15.4 2.6 3.8#

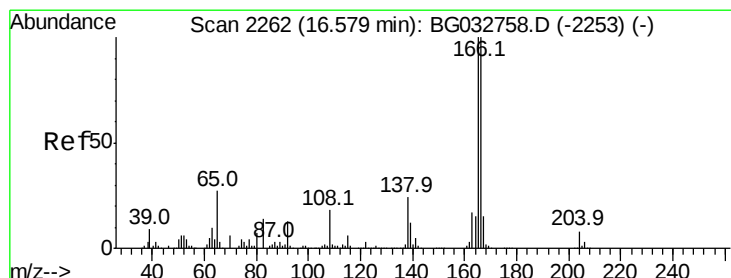
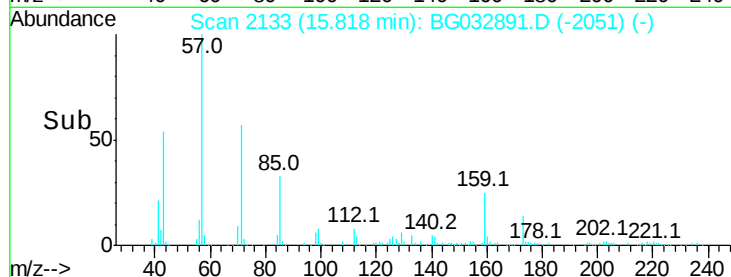
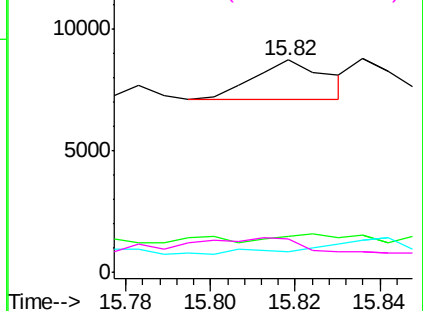


Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.989 ng

RT: 16.42 min Scan# 2235

Delta R.T. -0.16 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

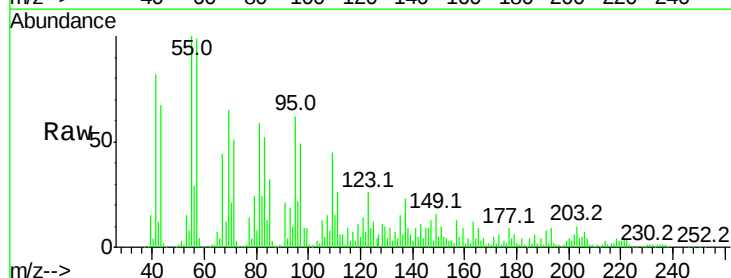
Tgt Ion:138 Resp: 19079

Ion Ratio Lower Upper

138 100

92 49.0 40.1 80.1

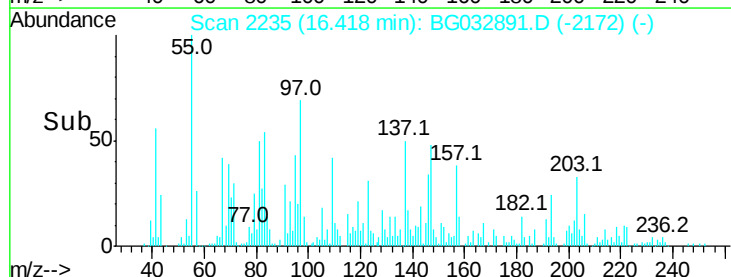
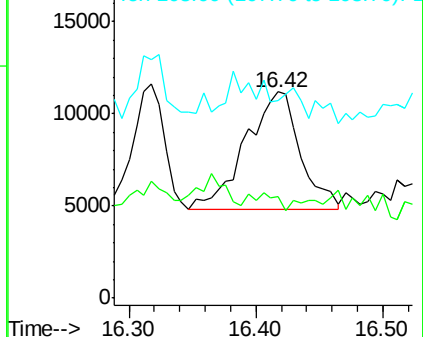
108 95.7 65.4 105.4

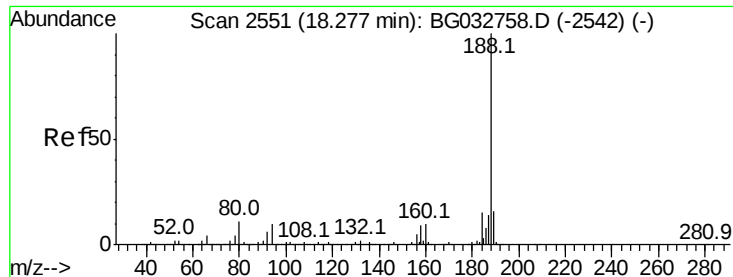


Abundance Ion 138.00 (137.70 to 138.70): E

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: 18.27 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

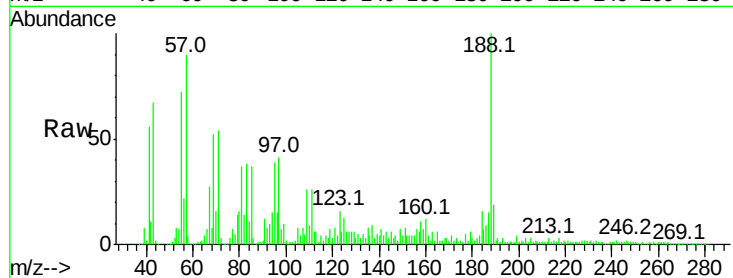
Tot Ion:188 Resp: 381455

Ion Ratio Lower Upper

188 100

94 15.2 6.9 10.3#

80 16.1 7.7 11.5#

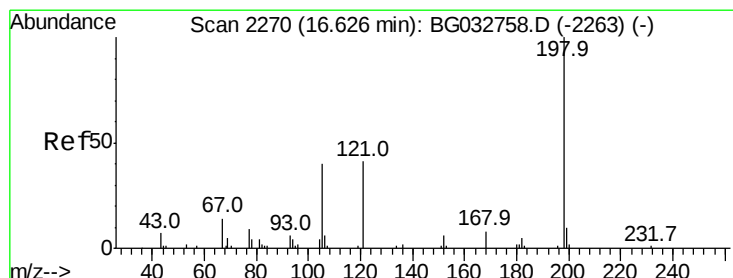
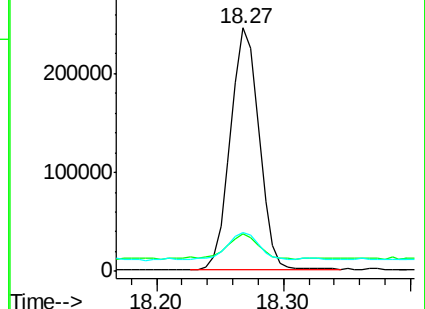
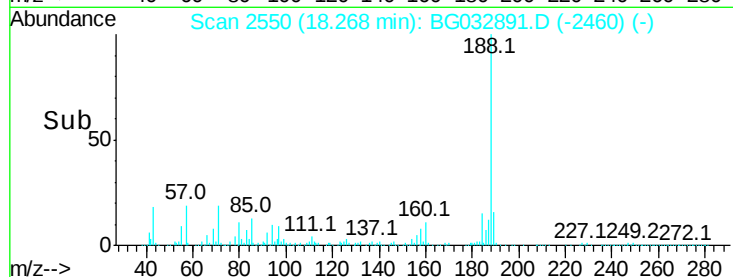


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 7.512 ng

RT: 16.62 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

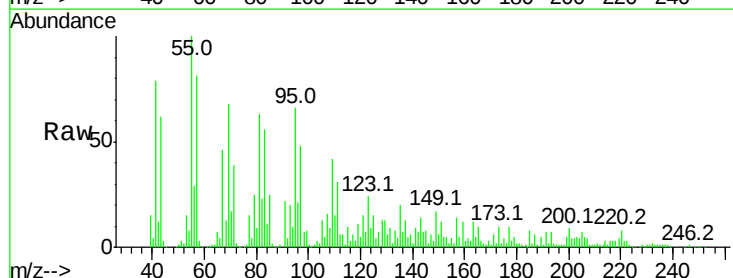
Tgt Ion:198 Resp: 2334

Ion Ratio Lower Upper

198 100

51 211.3 30.6 70.6#

105 939.8 23.8 63.8#

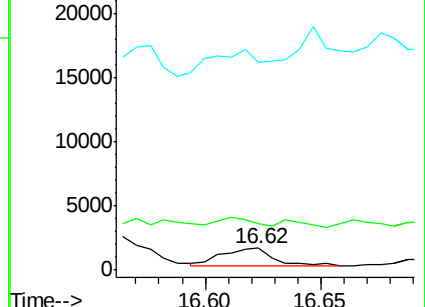
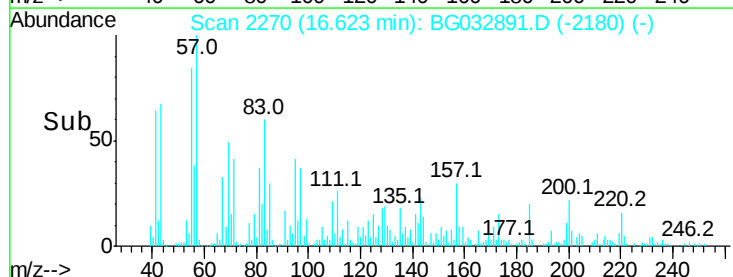


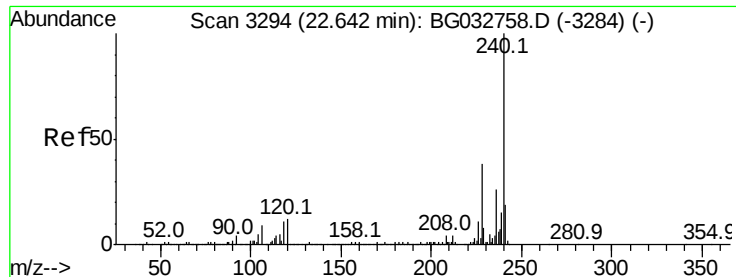
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampleId :

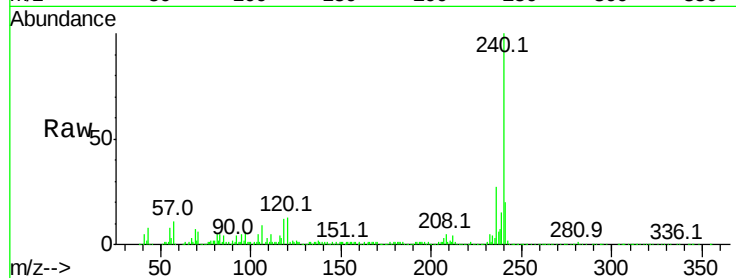
Tot Ion:240 Resp: 386996

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

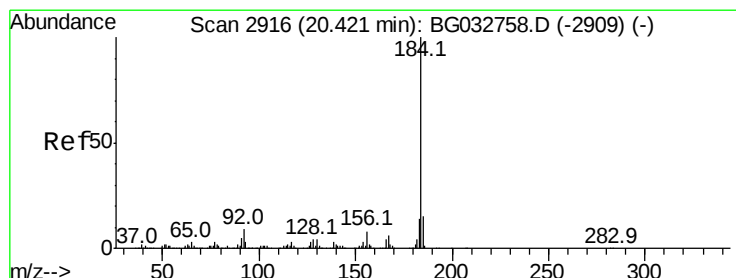
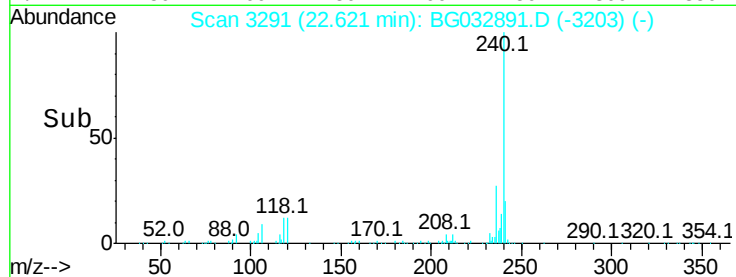
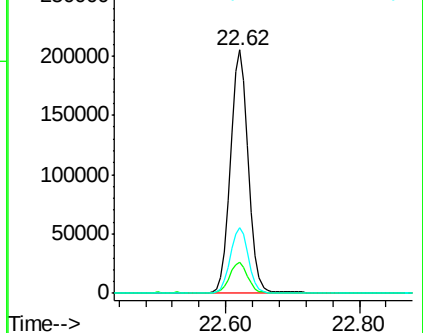
236 27.1 20.9 31.3



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: 4.561 ng

RT: 20.41 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

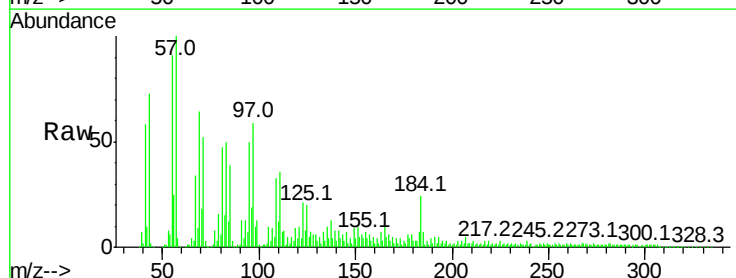
Tgt Ion:184 Resp: 60168

Ion Ratio Lower Upper

184 100

185 27.9 11.1 16.7#

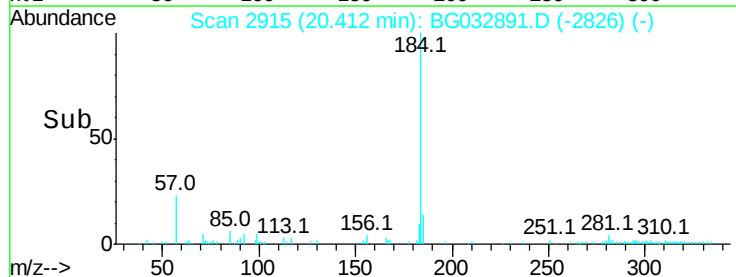
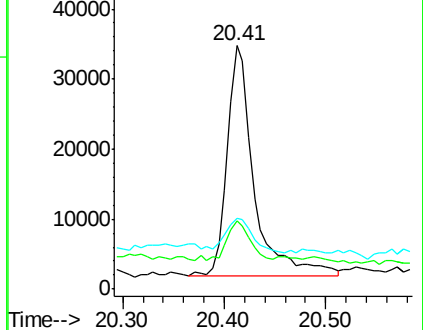
183 29.1 10.6 16.0#

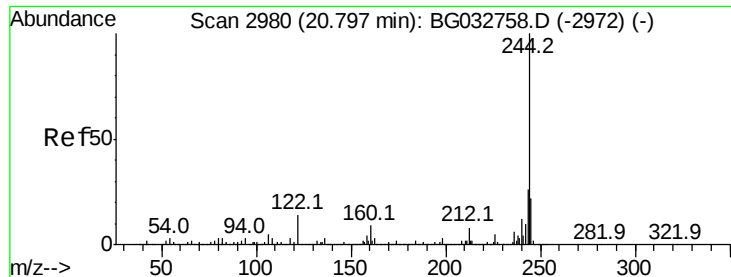


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.689 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

Instrument :

BNA_G

ClientSampled :

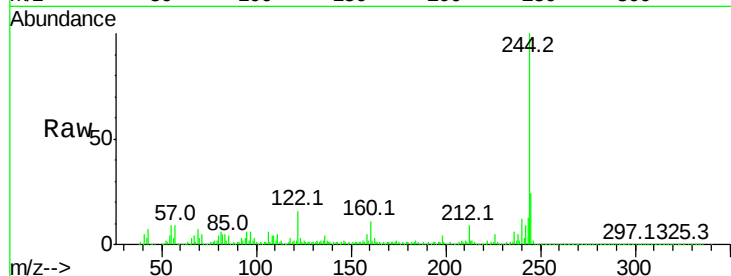
Tot Ion:244 Resp: 1596550

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

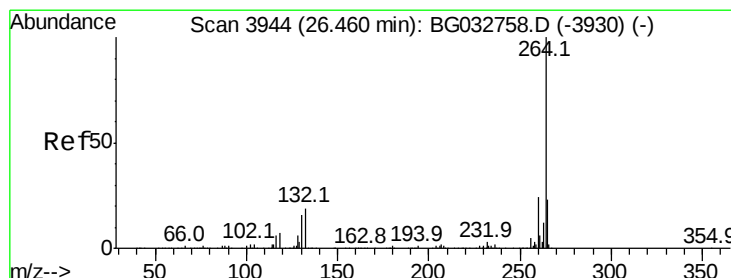
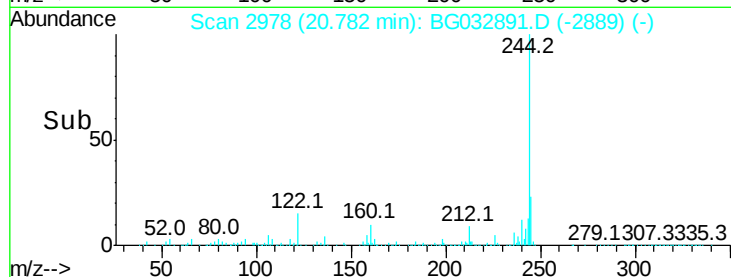
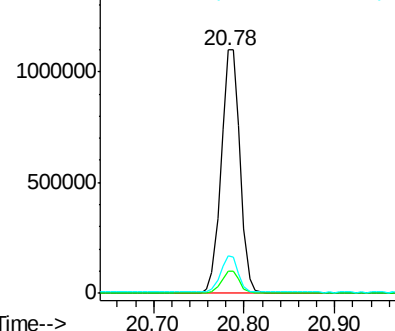
122 15.6 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032891.D

Acq: 28 Feb 2018 17:19

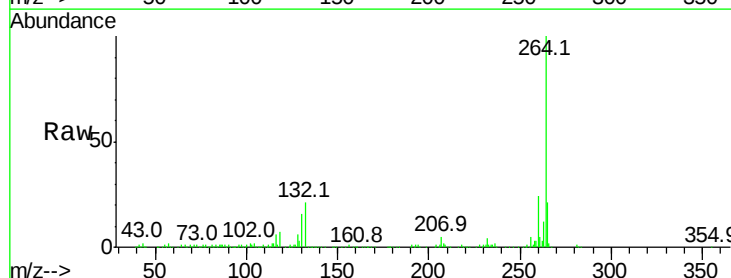
Tgt Ion:264 Resp: 404206

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 20.5 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

