

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
 Data File : BG020023.D
 Acq On : 8 Dec 2015 18:19
 Operator : UM/SJ
 Sample : G4639-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Quant Time: Dec 09 04:06:32 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	21772	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	81538	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	52632	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	109638	20.00	ng	0.01
75) Chrysene-d12	21.76	240	149395	20.00	ng	-0.03
86) Perylene-d12	25.04	264	144993	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	45866	38.07	ng	0.00
7) Phenol-d6	7.26	99	42249	23.23	ng	0.00
23) Nitrobenzene-d5	9.28	82	145169	90.86	ng	-0.02
41) 2,4,6-Tribromophenol	16.29	330	58961	73.22	ng	0.04
44) 2-Fluorobiphenyl	13.37	172	312110	80.97	ng	-0.02
78) Terphenyl-d14	20.10	244	431020	70.37	ng	-0.01

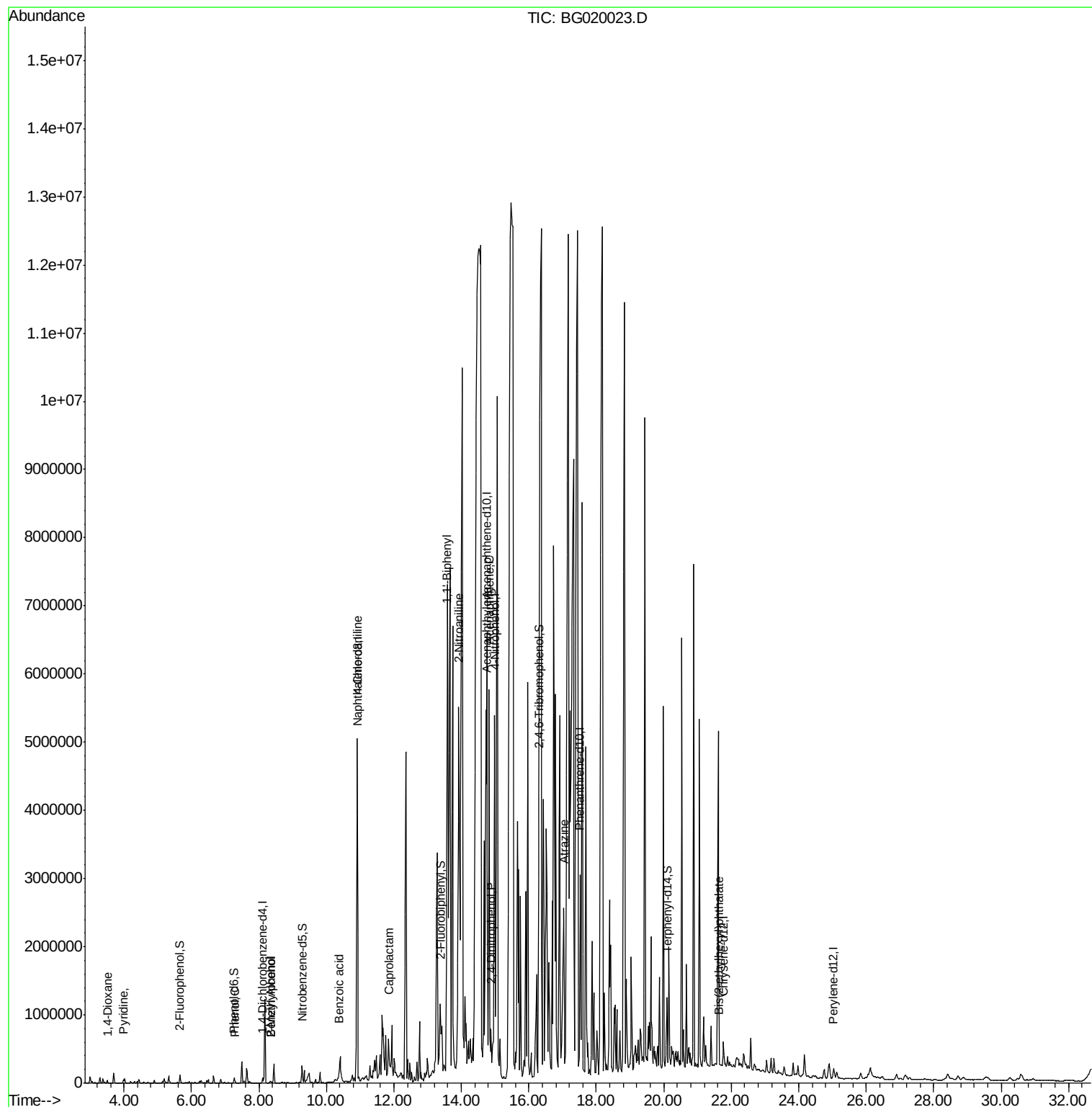
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	2901	6.18	ng	# 100
3) Pyridine	3.98	79	18555	13.02	ng	# 28
10) Phenol	7.29	94	6639	3.47	ng	# 74
15) Benzyl Alcohol	8.35	79	8141	5.10	ng	# 87
17) 2-Methylphenol	8.35	107	3782	2.80	ng	# 6
32) Benzoic acid	10.38	122	60	6.06	ng	# 1
33) 4-Chloroaniline	10.92	127	42463	22.06	ng	# 68
35) Caprolactam	11.84	113	9609	18.13	ng	# 1
45) 1,1'-Biphenyl	13.58	154	40396	9.35	ng	# 72
47) 2-Nitroaniline	13.93	65	27219	25.88	ng	# 25
48) Acenaphthylene	14.74	152	39784	7.02	ng	# 38
51) Acenaphthene	14.83	154	30155	8.76	ng	# 19
53) 2,4-Dinitrophenol	14.88	184	1992	12.98	ng	# 57
55) 4-Nitrophenol	15.00	139	25286	31.40	ng	# 50
68) Atrazine	17.05	200	7463	5.41	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.64	149	26308	5.20	ng	# 98

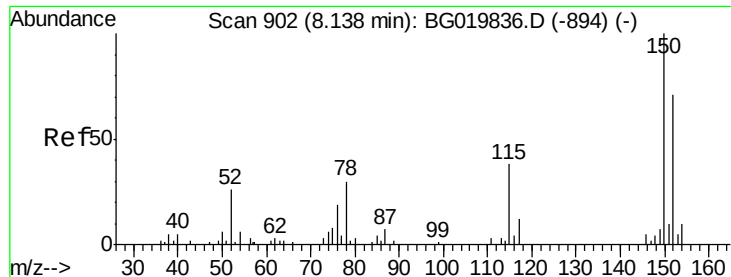
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.03 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

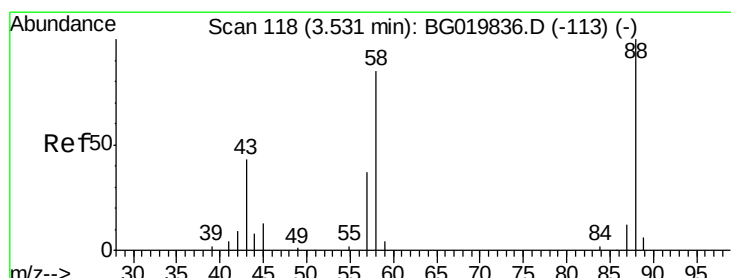
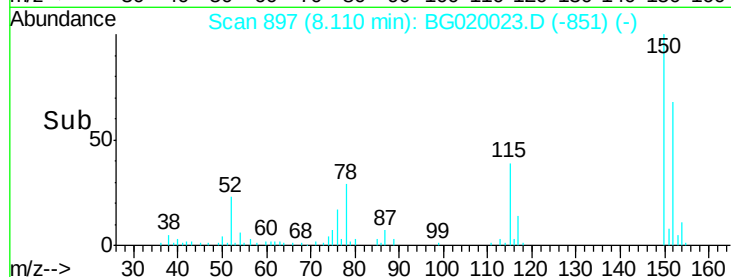
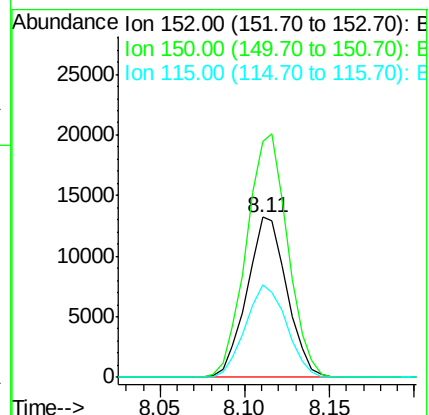
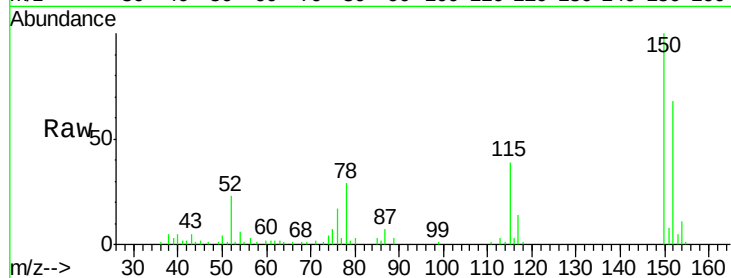
Tgt Ion:152 Resp: 21772

Ion Ratio Lower Upper

152 100

150 147.2 115.0 172.4

115 58.1 43.9 65.9



#2

1,4-Dioxane

Concen: 6.18 ng

RT: 3.50 min Scan# 112

Delta R.T. -0.03 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

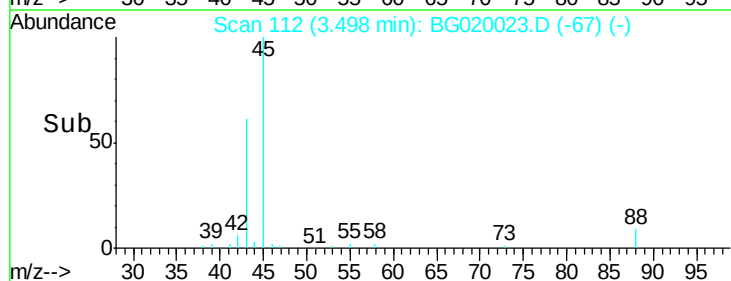
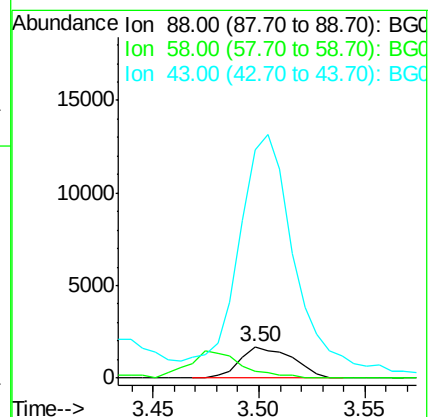
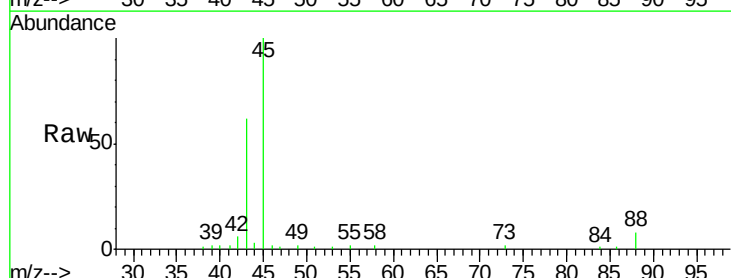
Tgt Ion: 88 Resp: 2901

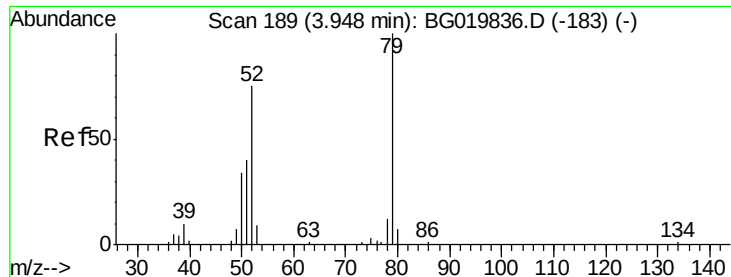
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 830.4 0.0 0.0#





#3

Pyridine

Concen: 13.02 ng

RT: 3.98 min Scan# 194

Delta R.T. 0.03 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

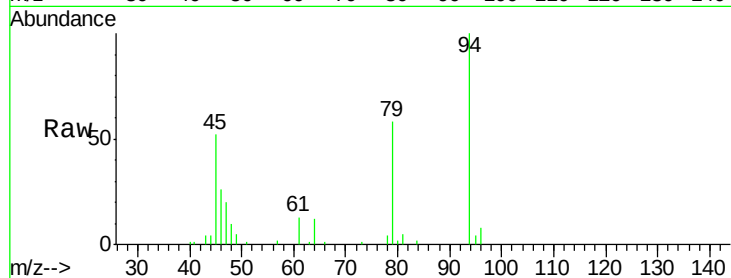
Tgt Ion: 79 Resp: 18555

Ion Ratio Lower Upper

79 100

52 0.0 50.3 75.5#

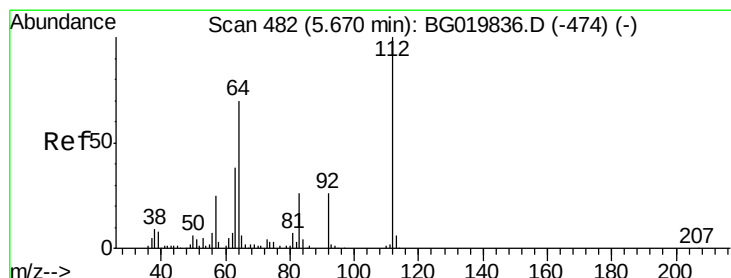
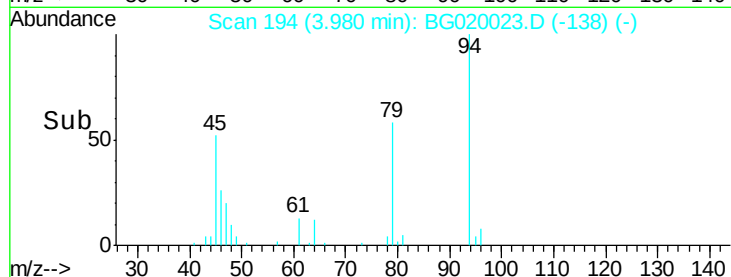
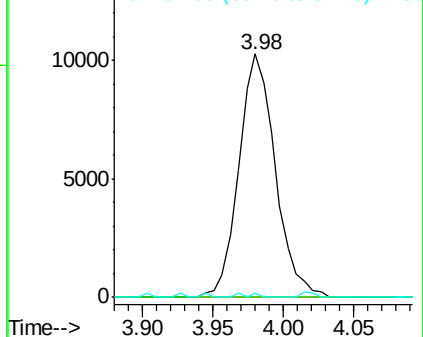
51 1.8 24.8 37.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#5

2-Fluorophenol

Concen: 38.07 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

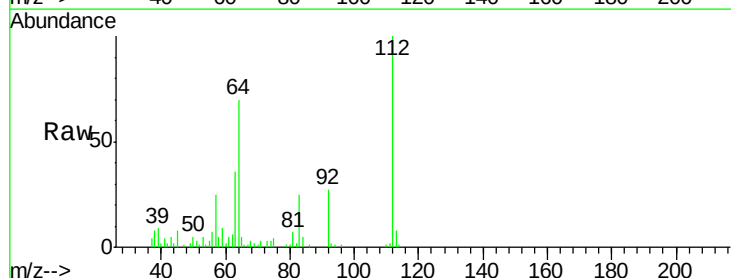
Tgt Ion: 112 Resp: 45866

Ion Ratio Lower Upper

112 100

64 70.1 43.7 65.5#

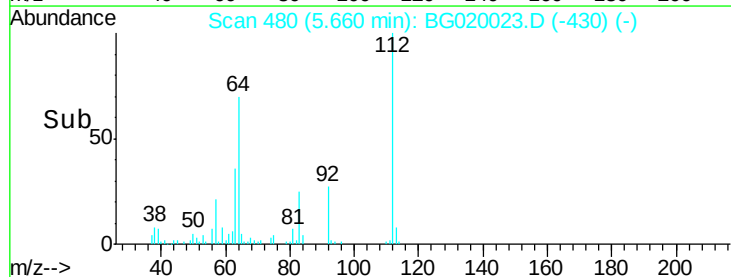
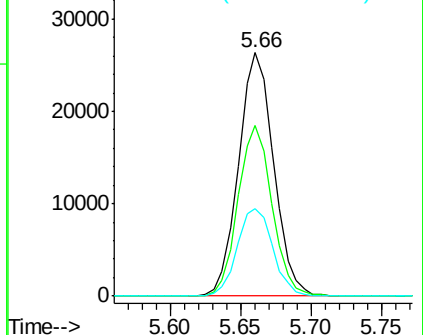
63 35.7 24.0 36.0

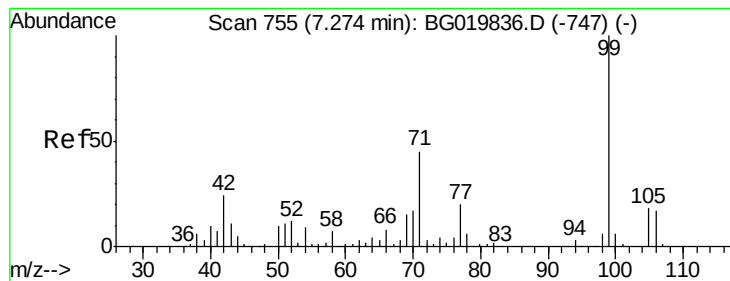


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 23.23 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

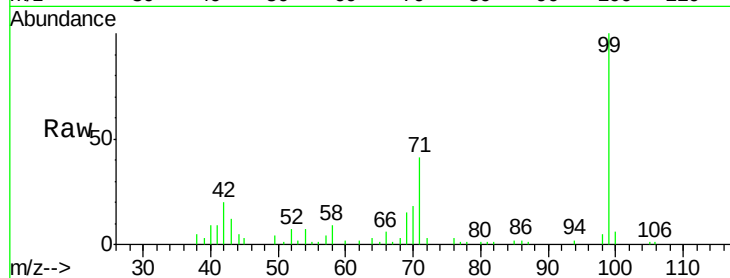
Tgt Ion: 99 Resp: 42249

Ion Ratio Lower Upper

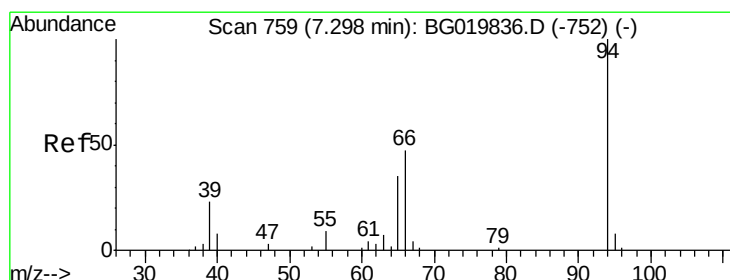
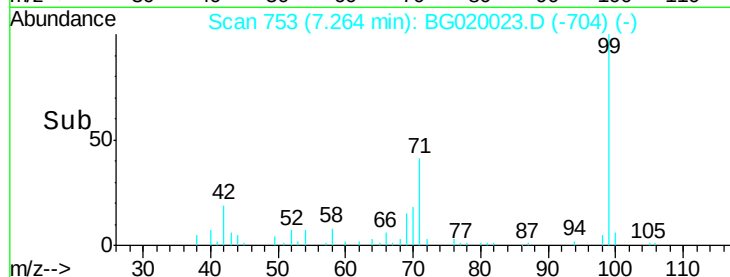
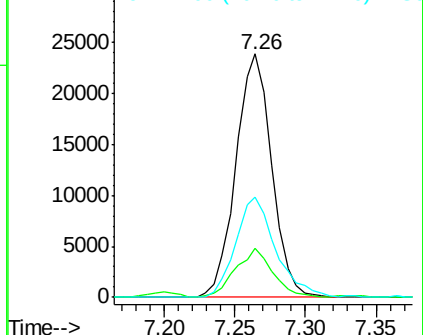
99 100

42 20.0 11.5 17.3#

71 41.2 22.6 34.0#



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



#10

Phenol

Concen: 3.47 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.00 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

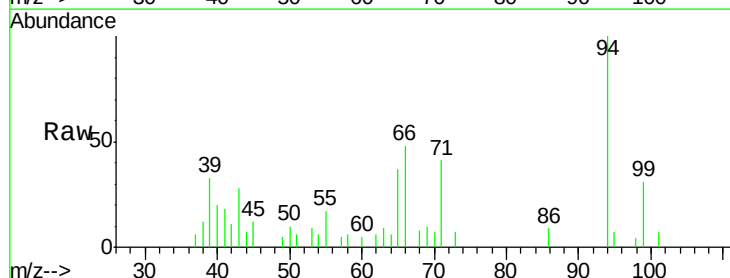
Tgt Ion: 94 Resp: 6639

Ion Ratio Lower Upper

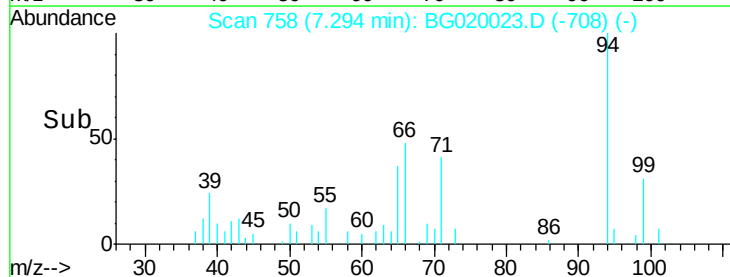
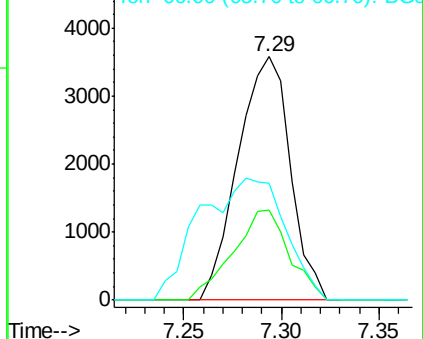
94 100

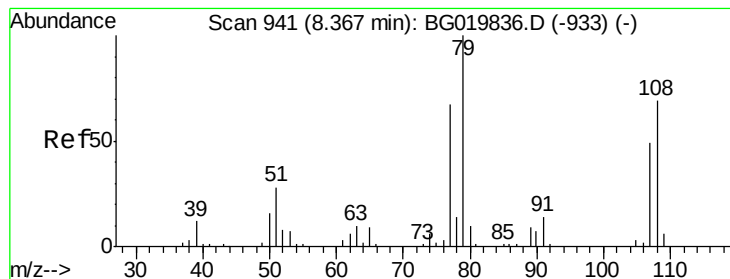
65 36.7 5.4 45.4

66 47.8 11.8 51.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 5.10 ng

RT: 8.35 min Scan# 938

Delta R.T. -0.02 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

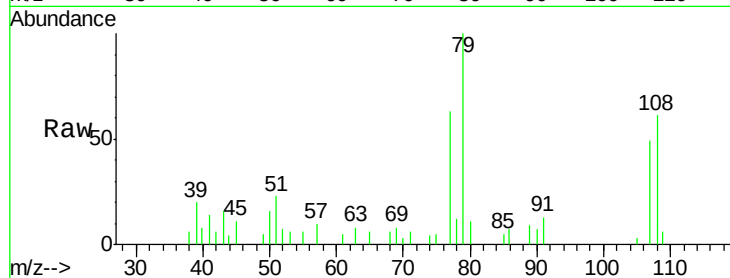
Tgt Ion: 79 Resp: 8141

Ion Ratio Lower Upper

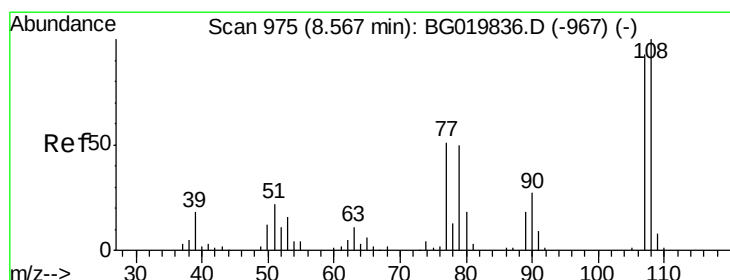
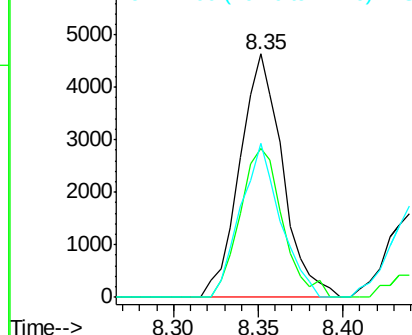
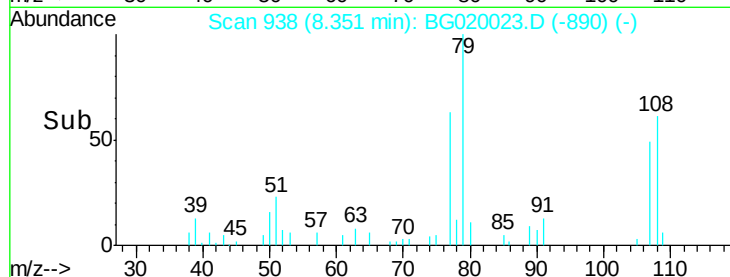
79 100

108 61.3 65.5 98.3#

77 63.2 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#17

2-Methylphenol

Concen: 2.80 ng

RT: 8.35 min Scan# 938

Delta R.T. -0.22 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Tgt Ion: 107 Resp: 3782

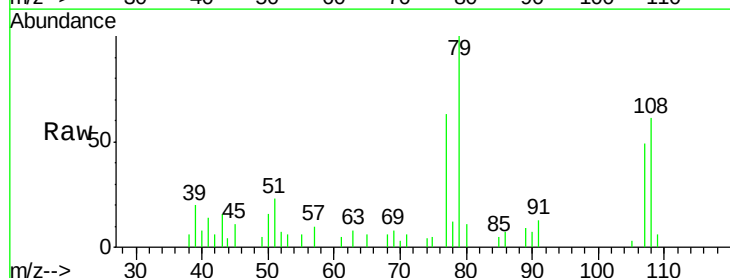
Ion Ratio Lower Upper

107 100

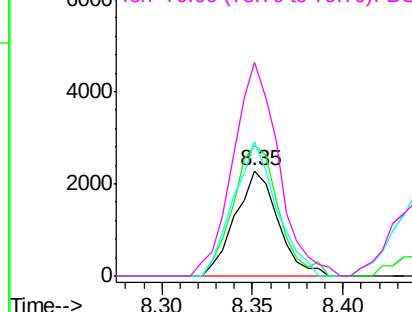
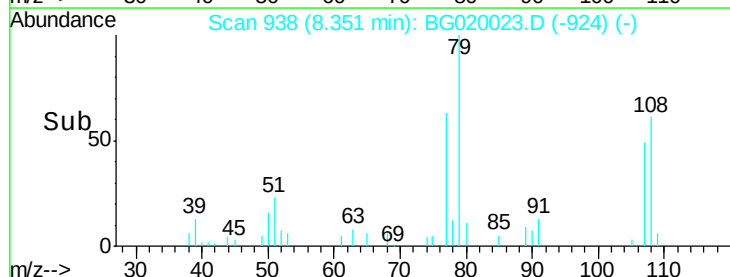
108 124.1 86.5 129.7

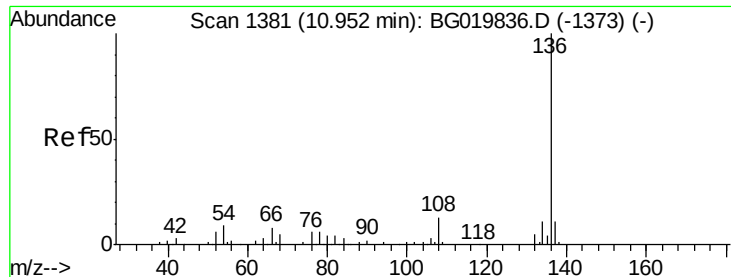
77 128.1 34.6 51.8#

79 202.6 32.3 48.5#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

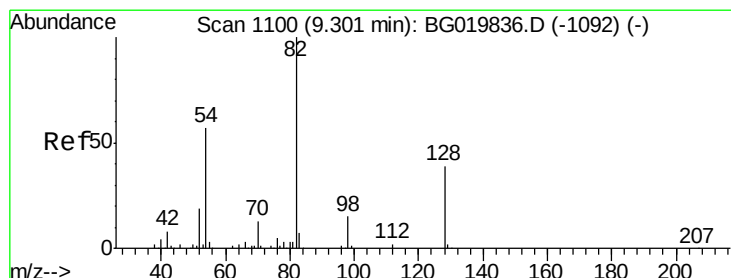
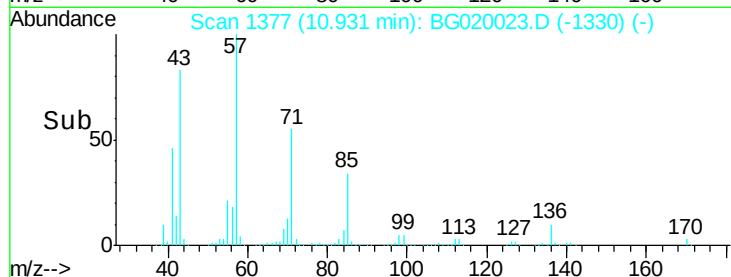
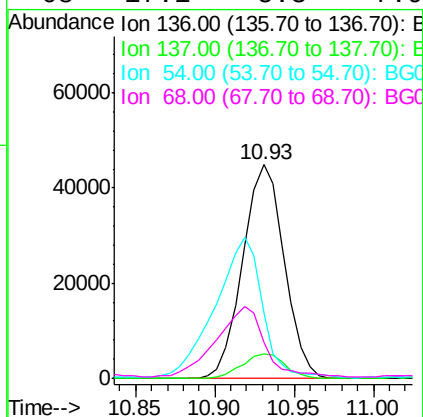
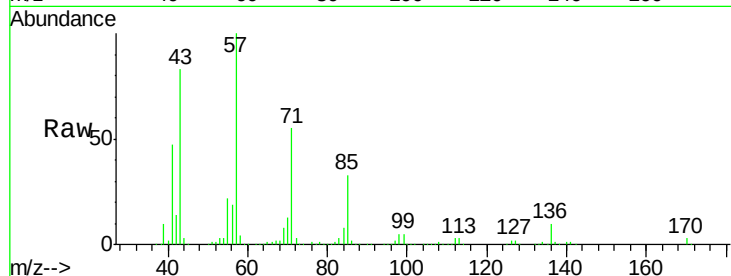




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

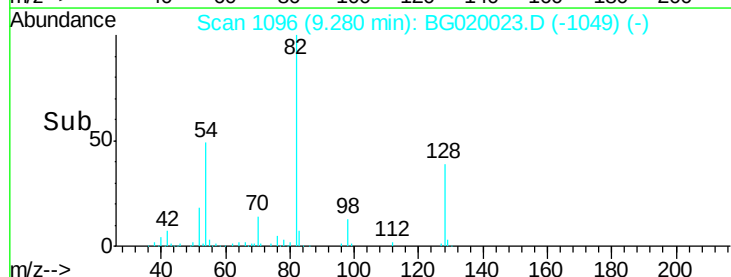
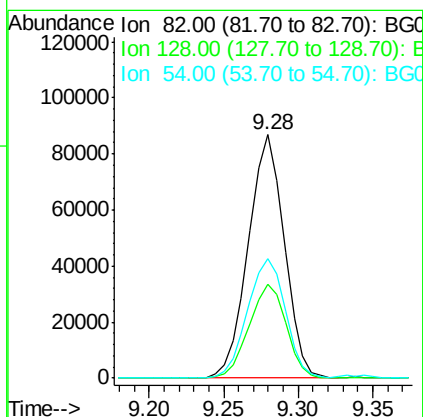
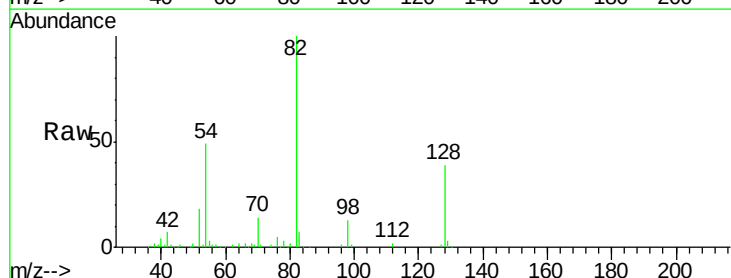
Instrument :
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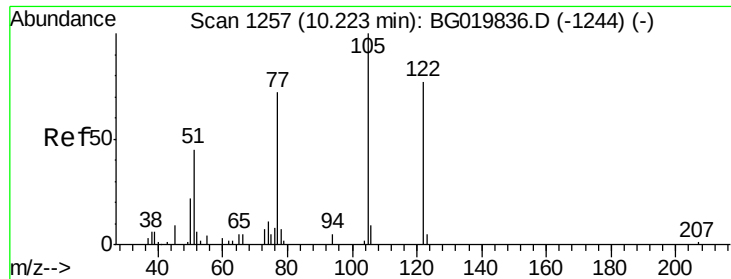
Tgt Ion:	136	Resp:	81538
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	30.8	5.4	8.2#
68	17.1	5.3	7.9#



#23
Nitrobenzene-d5
Concen: 90.86 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

Tgt Ion:	82	Resp:	145169
Ion	Ratio	Lower	Upper
82	100		
128	38.6	36.7	55.1
54	49.1	33.8	50.8

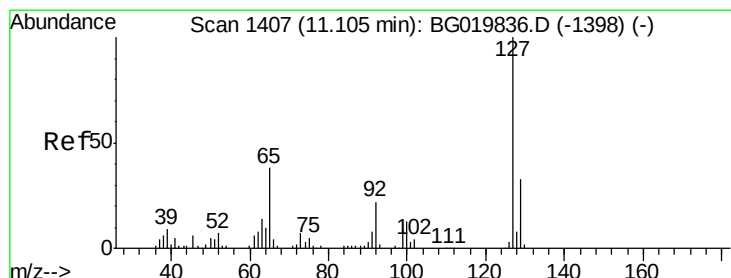
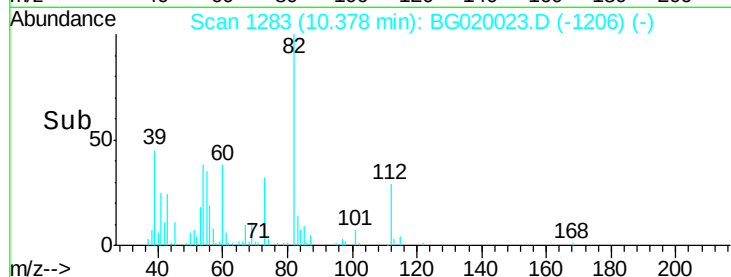
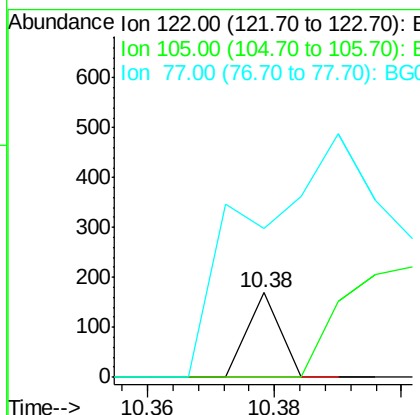
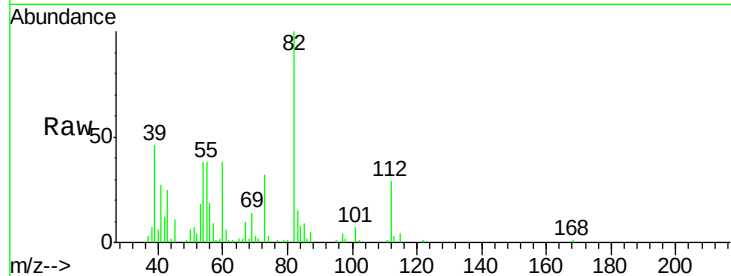




#32
Benzoic acid
Concen: 6.06 ng
RT: 10.38 min Scan# 1283
Delta R.T. 0.16 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

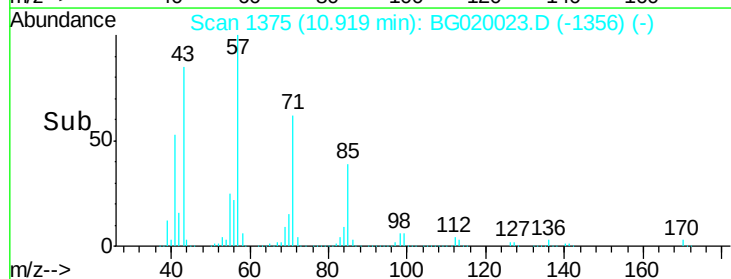
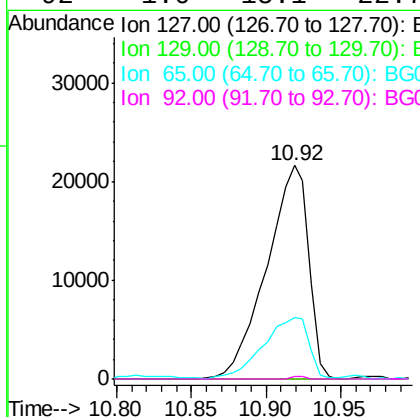
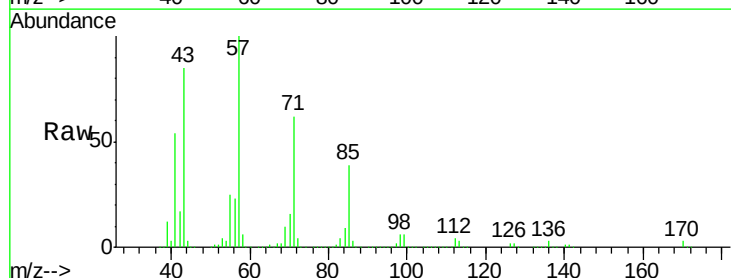
Instrument :
BNA_G
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EFF-WW

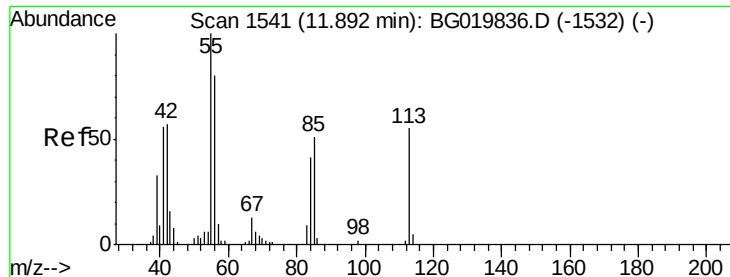
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 175.7 68.8 108.8#



#33
4-Chloroaniline
Concen: 22.06 ng
RT: 10.92 min Scan# 1375
Delta R.T. -0.19 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

Tgt Ion:127 Resp: 42463
Ion Ratio Lower Upper
127 100
129 0.0 24.6 37.0#
65 28.5 22.6 33.8
92 1.0 15.1 22.7#





#35

Caprolactam

Concen: 18.13 ng

RT: 11.84 min Scan# 1532

Delta R.T. -0.05 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampled :

EFF-WW

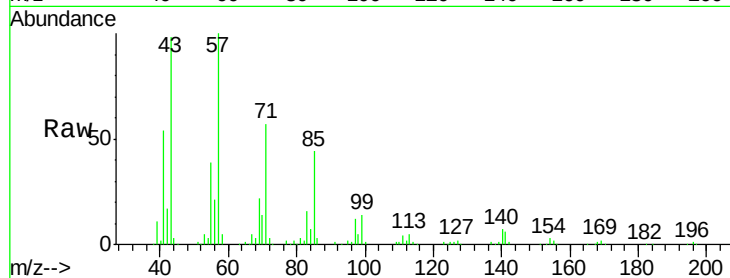
Tgt Ion:113 Resp: 9609

Ion Ratio Lower Upper

113 100

55 849.7 135.0 175.0#

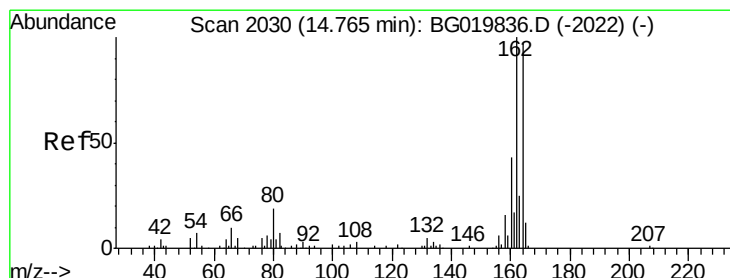
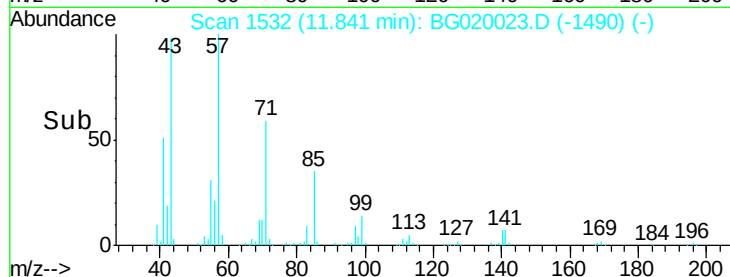
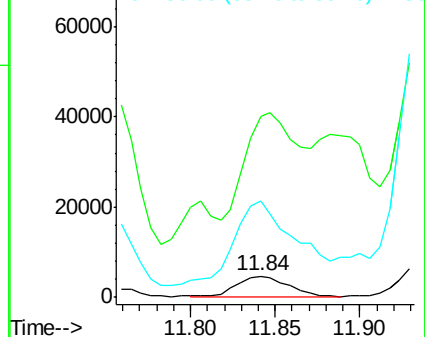
56 451.6 83.4 123.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

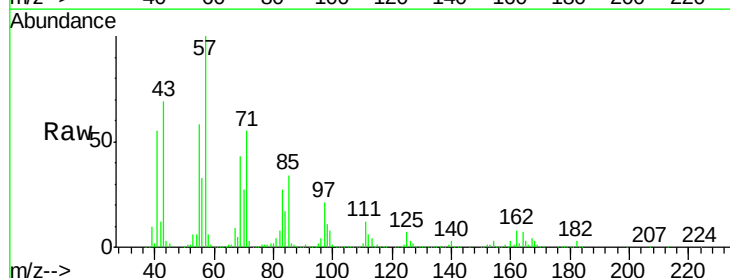
Tgt Ion:164 Resp: 52632

Ion Ratio Lower Upper

164 100

162 107.6 78.8 118.2

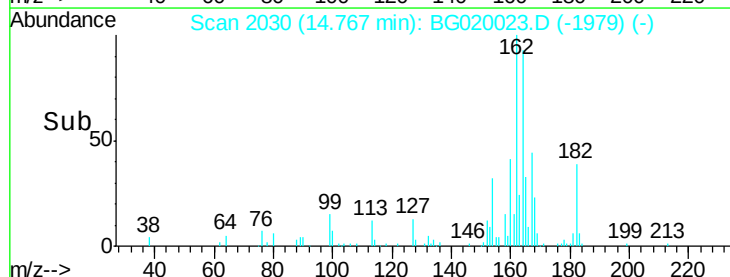
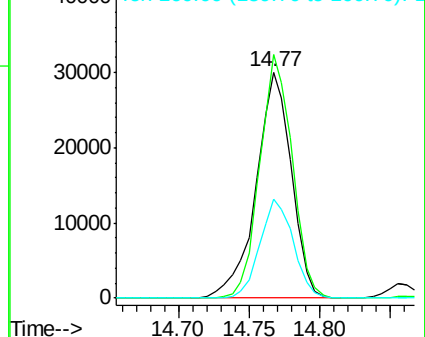
160 43.7 36.4 54.6

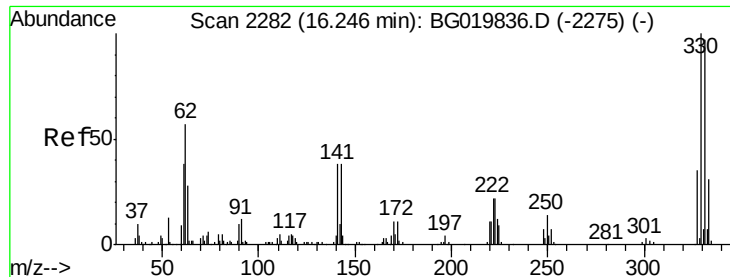


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

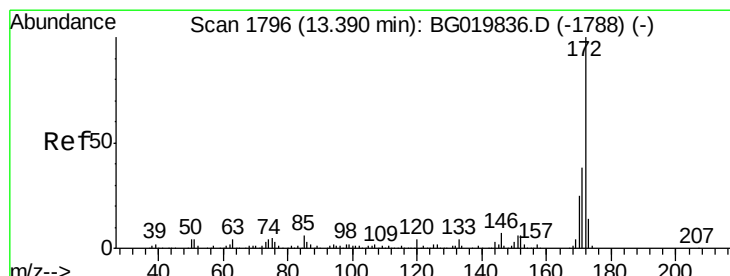
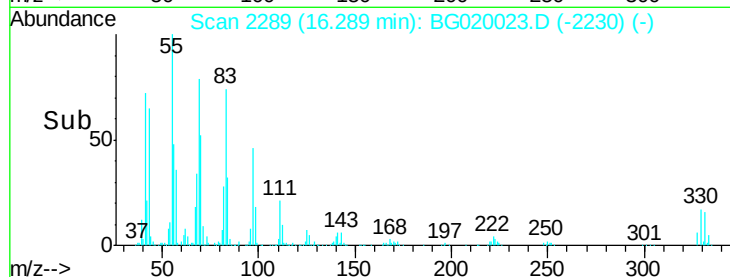
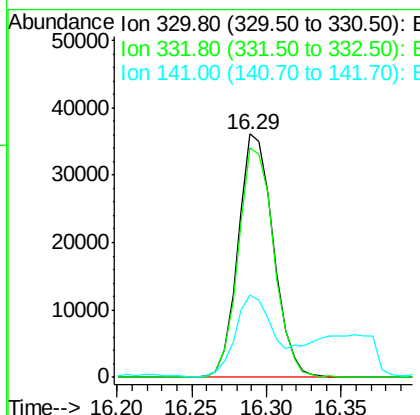
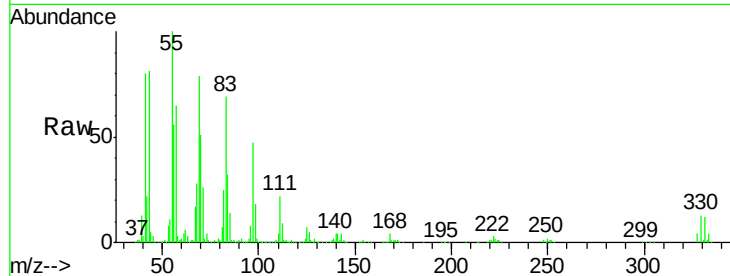




#41
 2,4,6-Tribromophenol
 Concen: 73.22 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. 0.04 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

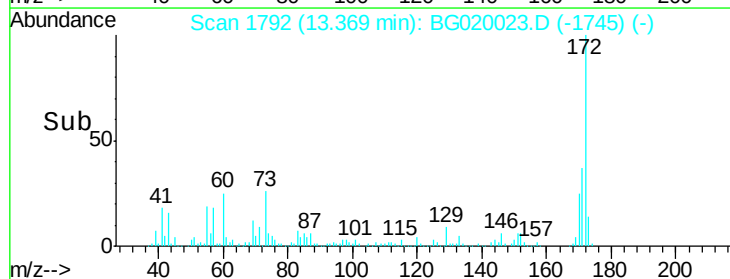
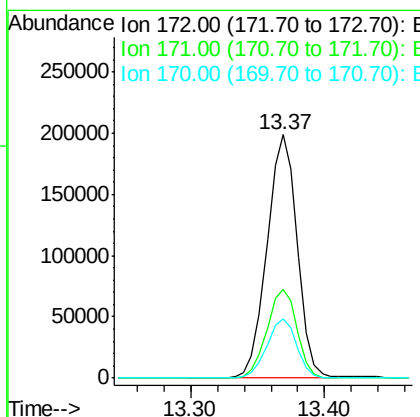
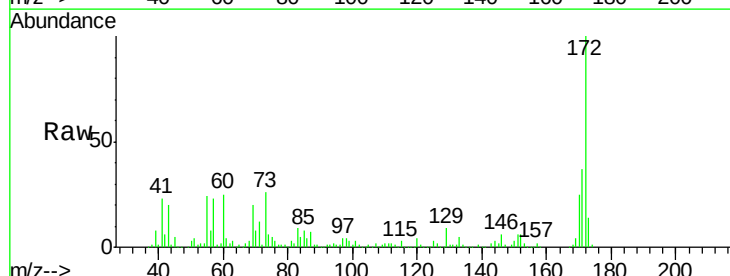
Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

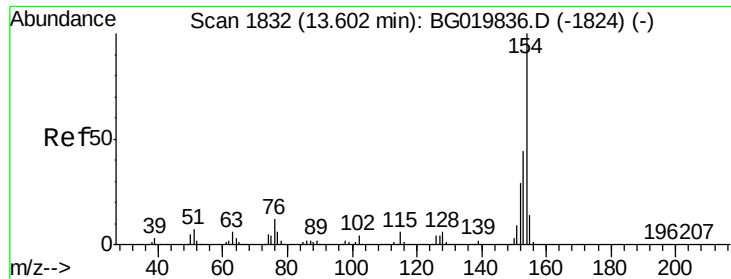
Tgt Ion:330 Resp: 58961
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.1 117.1
 141 36.4 28.2 42.2



#44
 2-Fluorobiphenyl
 Concen: 80.97 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

Tgt Ion:172 Resp: 312110
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.6 19.9 29.9

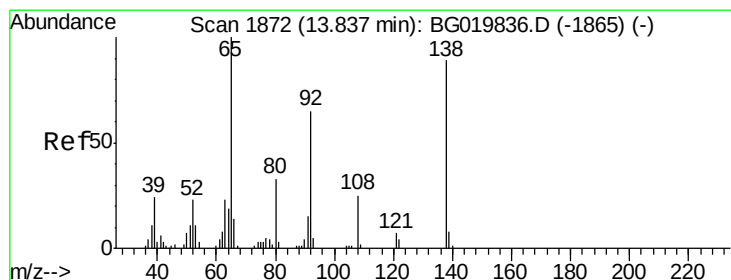
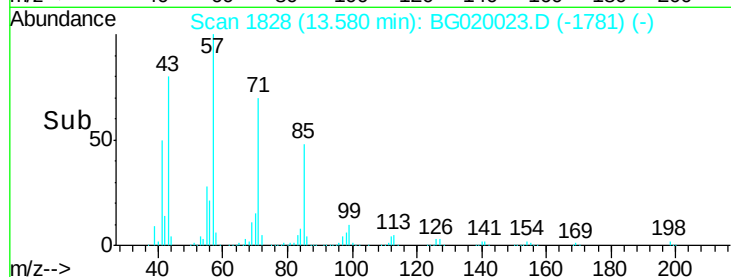
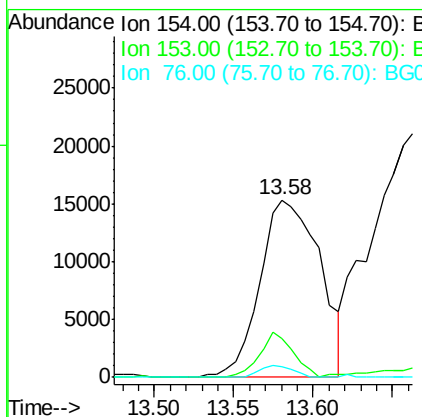
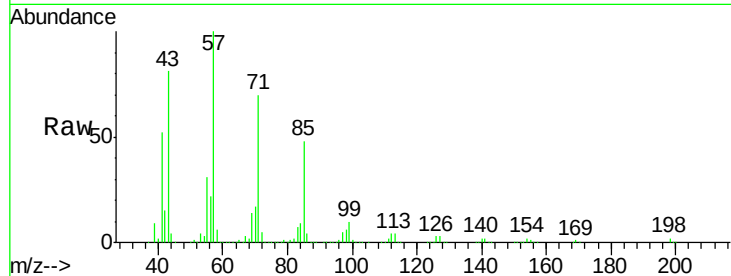




#45
1,1'-Biphenyl
Concen: 9.35 ng
RT: 13.58 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

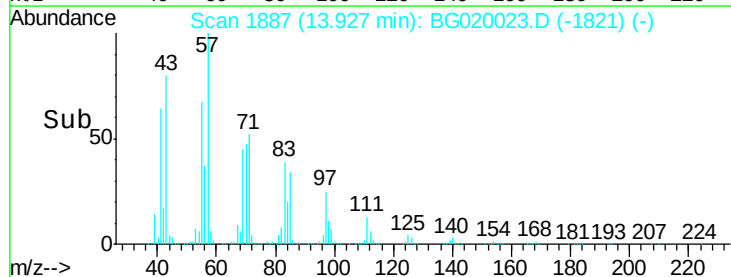
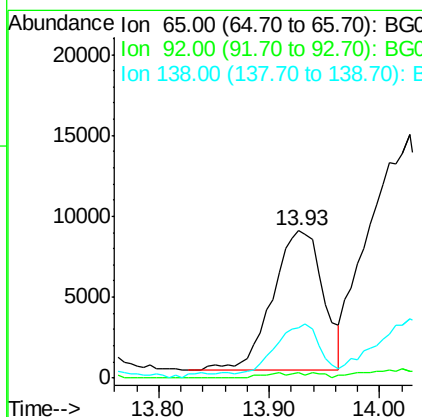
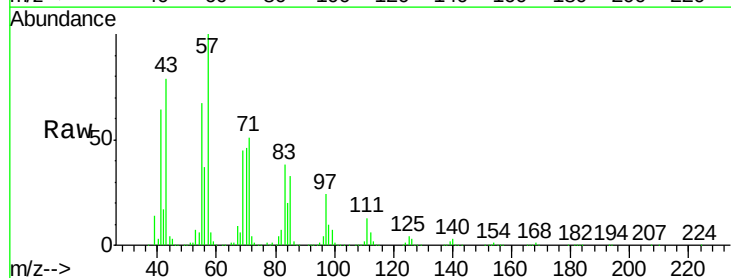
Instrument :
BNA_G
ClientSampleId :
EFF-WW

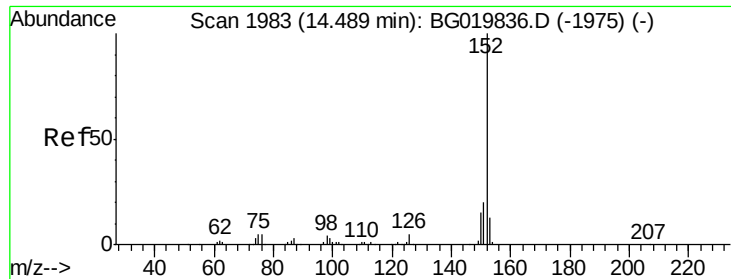
Tgt Ion: 154 Resp: 40396
Ion Ratio Lower Upper
154 100
153 22.1 21.9 61.9
76 5.7 0.0 33.2



#47
2-Nitroaniline
Concen: 25.88 ng
RT: 13.93 min Scan# 1887
Delta R.T. 0.09 min
Lab File: BG020023.D
Acq: 8 Dec 2015 18:19

Tgt Ion: 65 Resp: 27219
Ion Ratio Lower Upper
65 100
92 3.6 54.8 82.2#
138 34.4 89.6 134.4#





#48

Acenaphthylene

Concen: 7.02 ng

RT: 14.74 min Scan# 2026

Delta R.T. 0.25 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

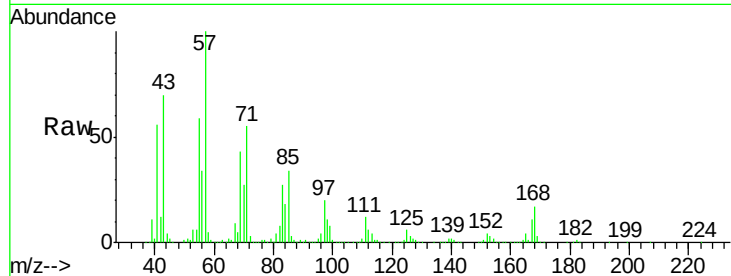
Tgt Ion:152 Resp: 39784

Ion Ratio Lower Upper

152 100

151 19.5 17.0 25.4

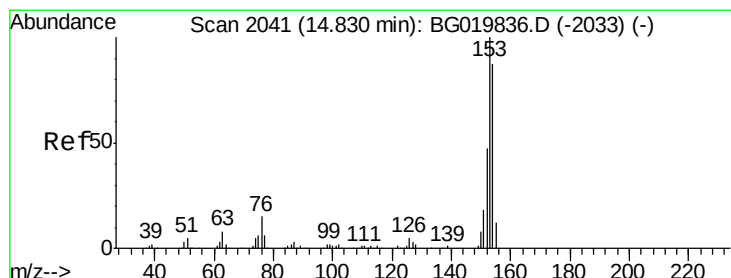
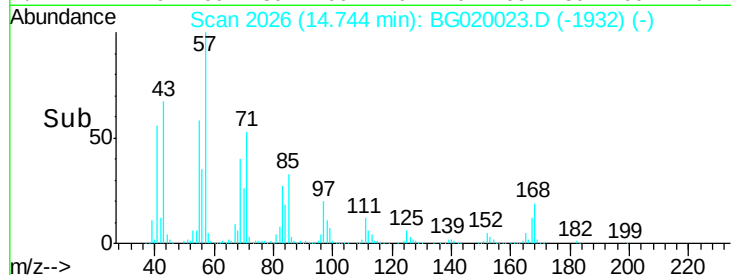
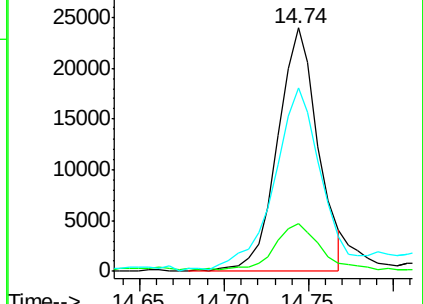
153 75.2 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 8.76 ng

RT: 14.83 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

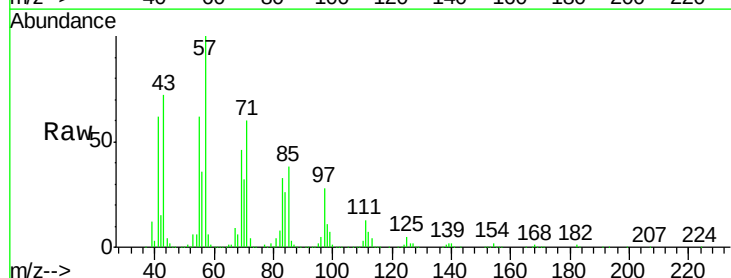
Tgt Ion:154 Resp: 30155

Ion Ratio Lower Upper

154 100

153 18.8 92.9 139.3#

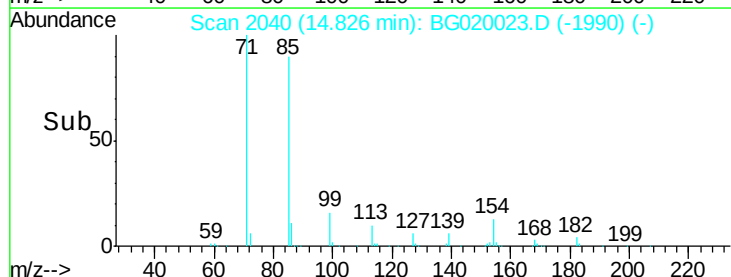
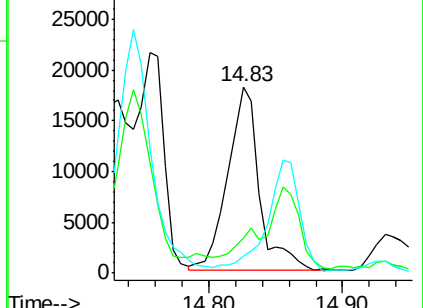
152 8.9 45.8 68.8#

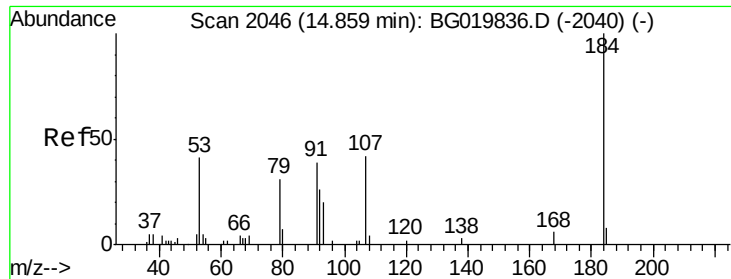


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

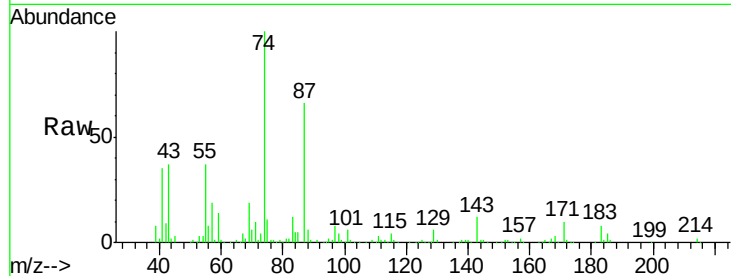




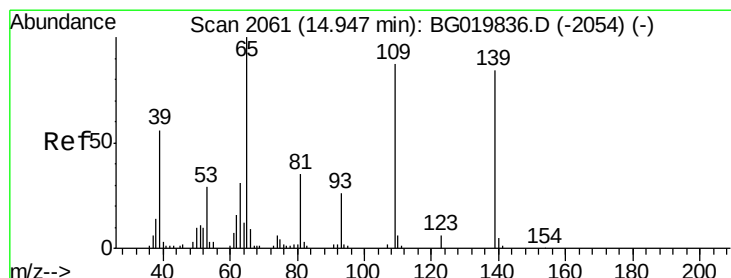
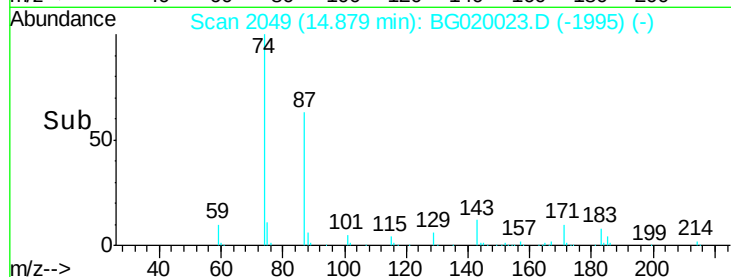
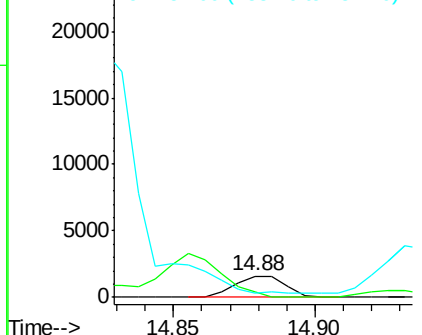
#53
 2,4-Dinitrophenol
 Concen: 12.98 ng
 RT: 14.88 min Scan# 2049
 Delta R.T. 0.02 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Tgt Ion:184 Resp: 1992
 Ion Ratio Lower Upper
 184 100
 63 27.9 42.7 64.1#
 154 19.4 44.3 66.5#

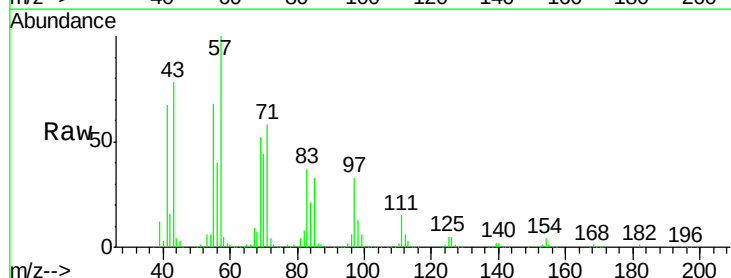


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

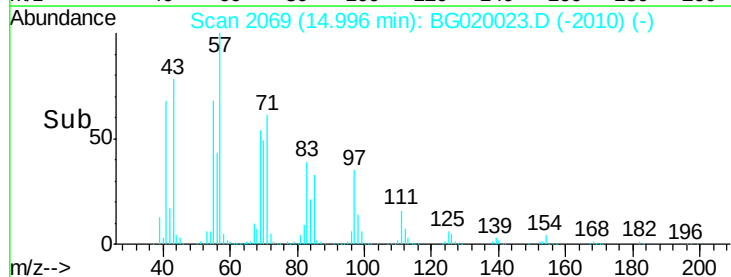
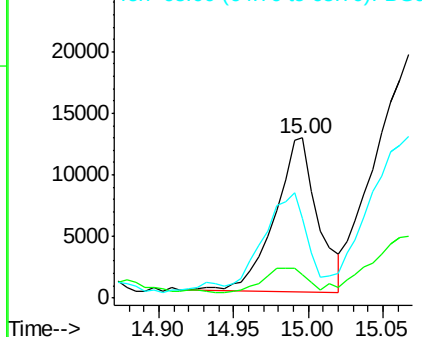


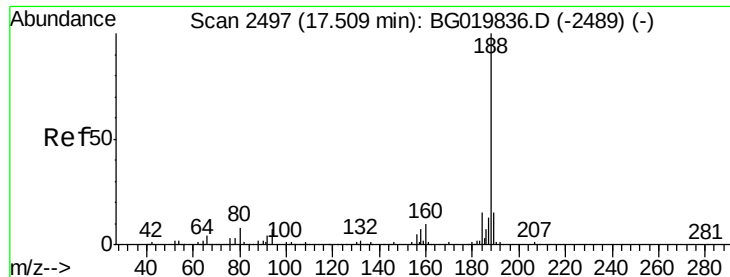
#55
 4-Nitrophenol
 Concen: 31.40 ng
 RT: 15.00 min Scan# 2069
 Delta R.T. 0.05 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

Tgt Ion:139 Resp: 25286
 Ion Ratio Lower Upper
 139 100
 109 14.6 43.2 83.2#
 65 49.9 67.8 107.8#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

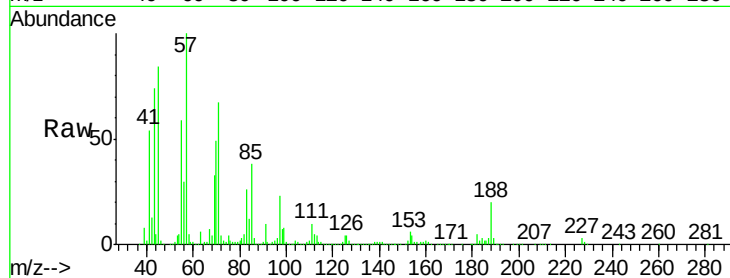
Tgt Ion:188 Resp: 109638

Ion Ratio Lower Upper

188 100

94 6.6 7.7 11.5#

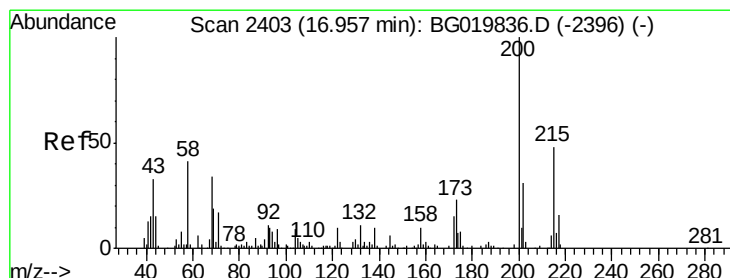
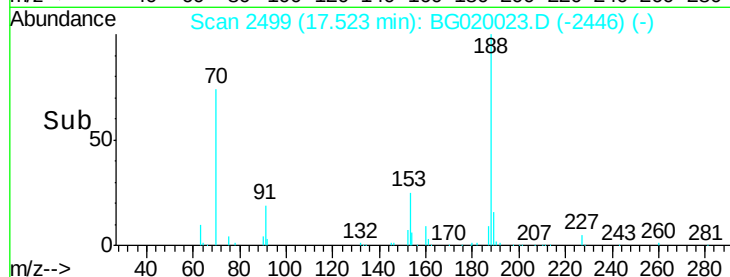
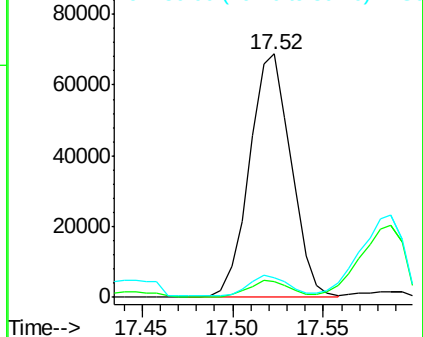
80 7.9 7.8 11.8



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



#68

Atrazine

Concen: 5.41 ng

RT: 17.05 min Scan# 2418

Delta R.T. 0.09 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

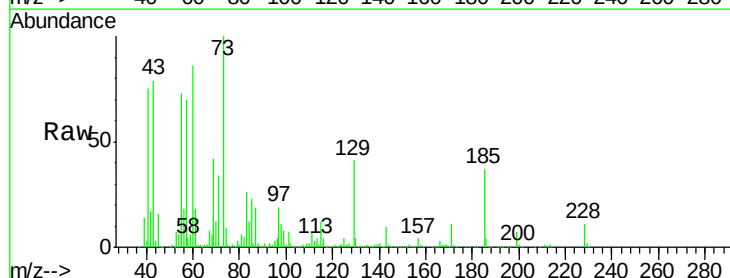
Tgt Ion:200 Resp: 7463

Ion Ratio Lower Upper

200 100

173 16.9 5.2 45.2

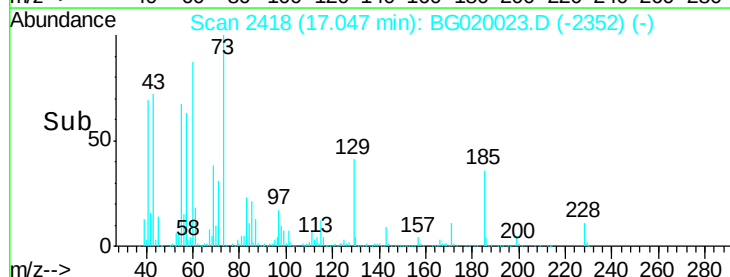
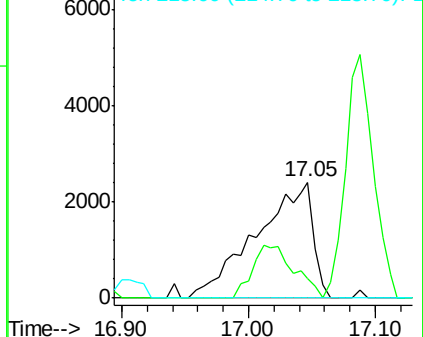
215 0.0 27.0 67.0#

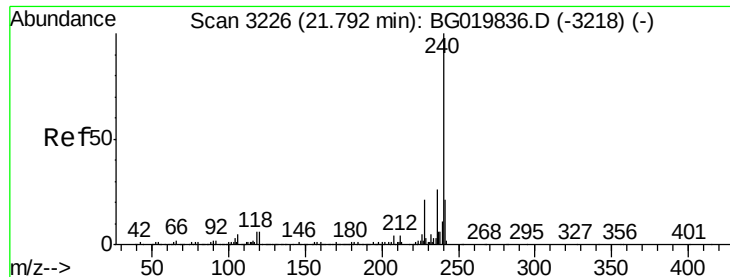


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.03 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

Instrument :

BNA_G

ClientSampleId :

EFF-WW

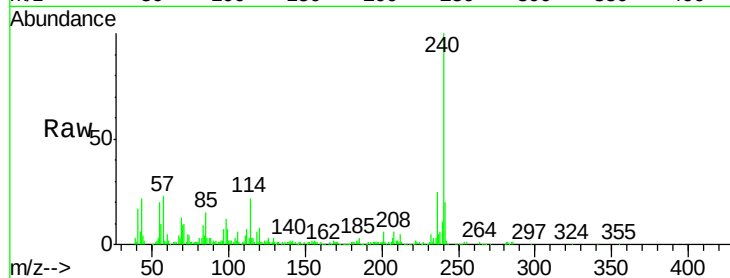
Tgt Ion:240 Resp: 149395

Ion Ratio Lower Upper

240 100

120 7.7 7.4 11.0

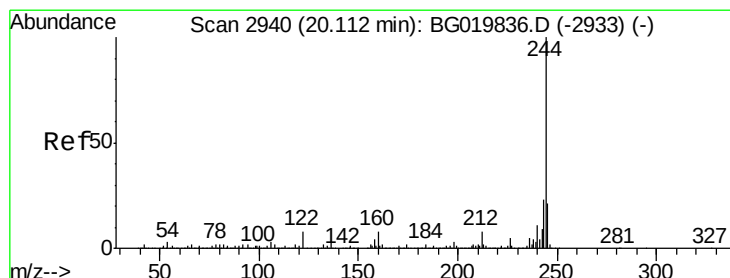
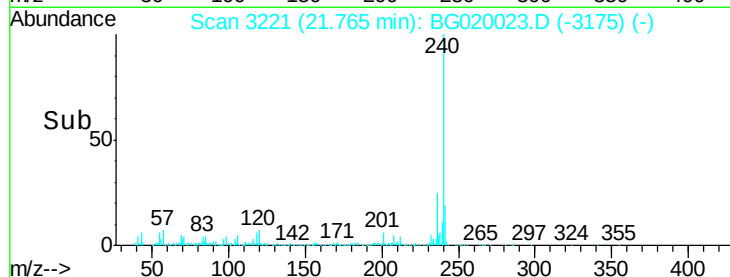
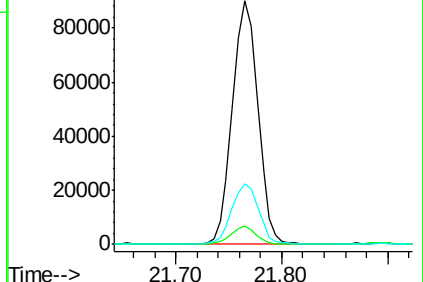
236 24.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 70.37 ng

RT: 20.10 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG020023.D

Acq: 8 Dec 2015 18:19

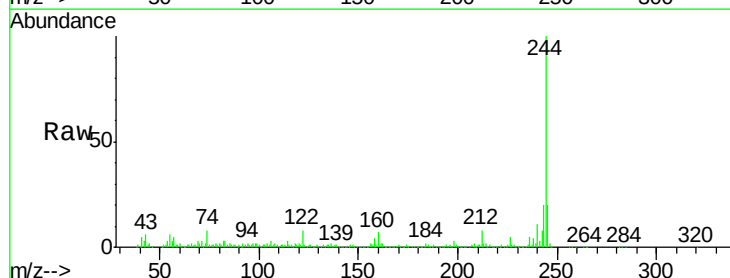
Tgt Ion:244 Resp: 431020

Ion Ratio Lower Upper

244 100

212 7.6 6.9 10.3

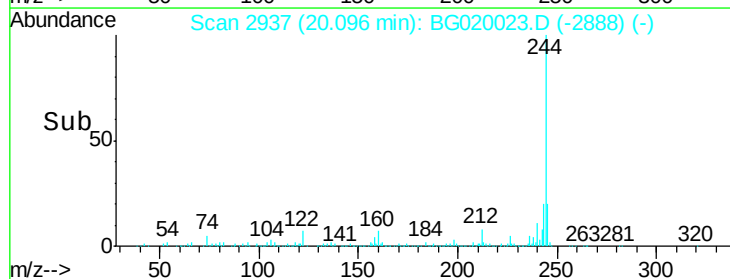
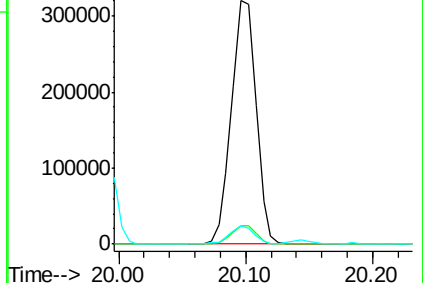
122 7.6 10.2 15.2#

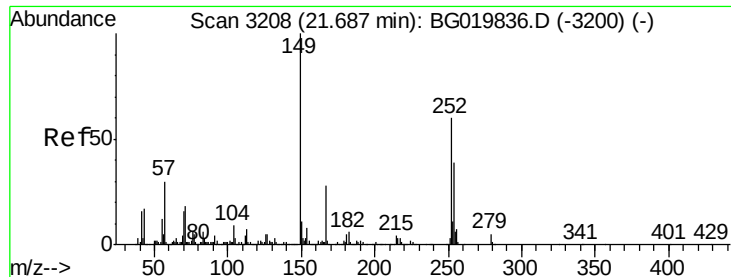


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

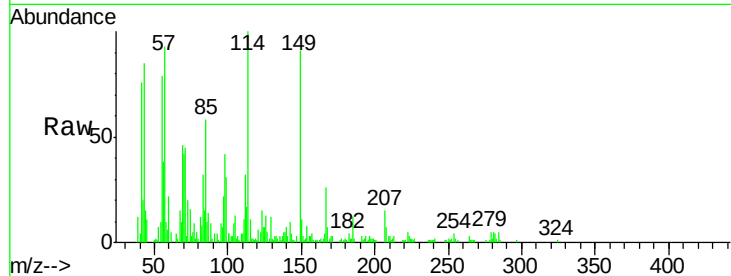




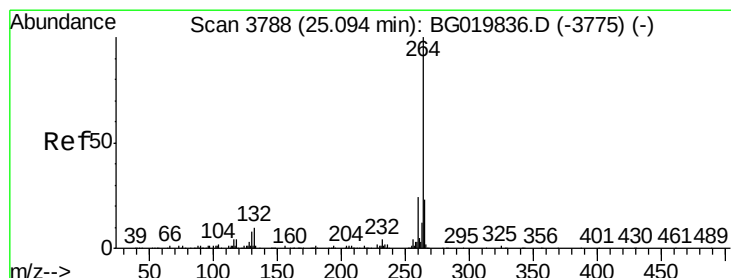
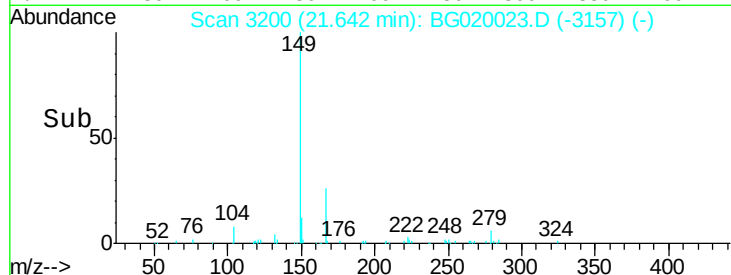
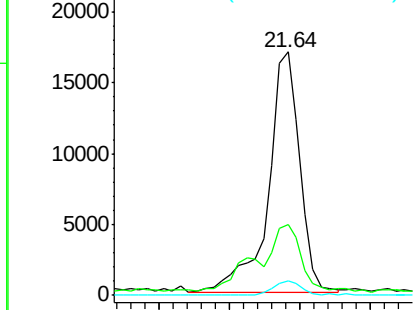
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.20 ng
 RT: 21.64 min Scan# 3200
 Delta R.T. -0.04 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Tgt Ion:149 Resp: 26308
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.8 35.8
 279 6.0 3.4 5.2#

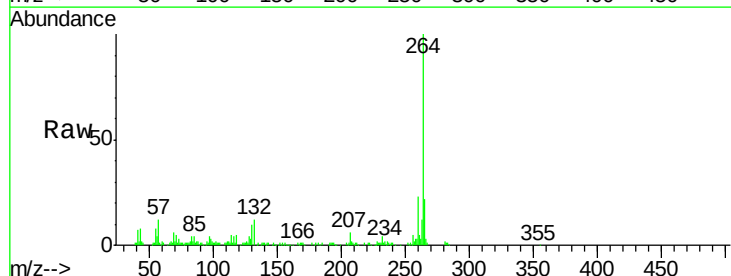


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3778
 Delta R.T. -0.06 min
 Lab File: BG020023.D
 Acq: 8 Dec 2015 18:19

Tgt Ion:264 Resp: 144993
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.5 27.7
 265 21.9 17.2 25.8



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

