

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120715\
 Data File : BG019996.D
 Acq On : 8 Dec 2015 00:46
 Operator : UM/NP
 Sample : G4676-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

Quant Time: Dec 08 04:45:01 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

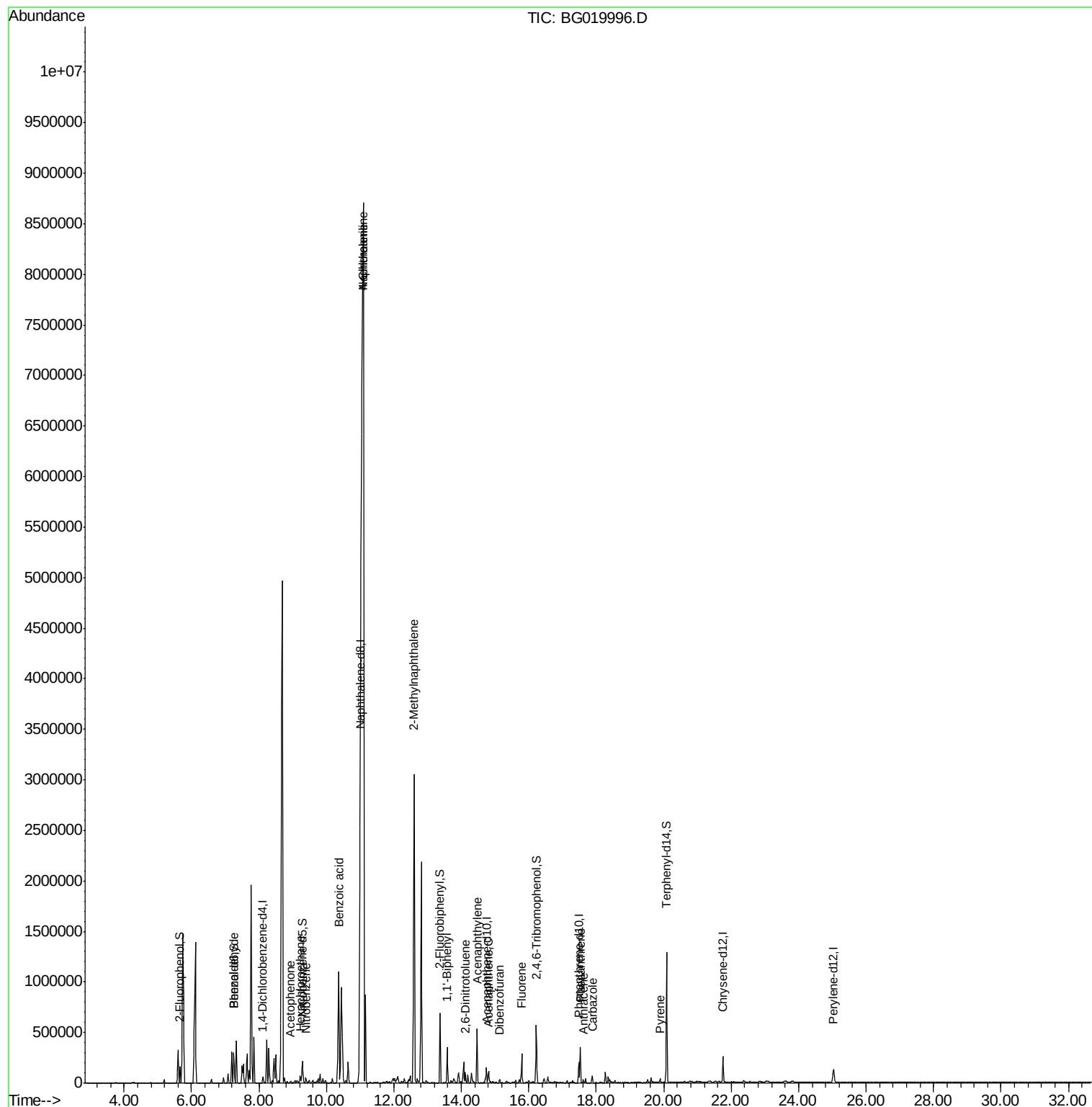
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	16690	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	72411	20.00	ng	0.04
38) Acenaphthene-d10	14.74	164	50511	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	127679	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	157913	20.00	ng	-0.03
86) Perylene-d12	25.04	264	147032	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	67000	72.55	ng	-0.01
7) Phenol-d6	7.26	99	59534	42.70	ng	-0.01
23) Nitrobenzene-d5	9.28	82	145826	102.78	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	105974	137.12	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	343240	92.78	ng	-0.02
78) Terphenyl-d14	20.08	244	578401	89.34	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.25	77	19397	20.86	ng	# 1
18) Hexachloroethane	9.22	117	16072	32.56	ng	# 1
22) Acetophenone	8.93	105	13039	6.57	ng	# 75
24) Nitrobenzene	9.39	77	3350	2.18	ng	# 16
31) Naphthalene	11.10	128	12225998	3151.73	ng	# 32
32) Benzoic acid	10.36	122	961	7.01	ng	# 1
33) 4-Chloroaniline	11.10	127	3966838	2320.64	ng	# 35
37) 2-Methylnaphthalene	12.60	142	1473987	518.50	ng	# 94
45) 1,1'-Biphenyl	13.58	154	184076	44.41	ng	99
48) Acenaphthylene	14.47	152	355269	65.28	ng	98
50) 2,6-Dinitrotoluene	14.14	165	1901	2.23	ng	# 92
51) Acenaphthene	14.80	154	41628	12.61	ng	96
54) Dibenzofuran	15.14	168	14552	2.96	ng	# 93
57) Fluorene	15.79	166	136031	30.93	ng	99
70) Phenanthrene	17.53	178	224690	31.10	ng	95
71) Anthracene	17.62	178	25264	3.43	ng	97
72) Carbazole	17.88	167	42691	6.59	ng	99
77) Pyrene	19.89	202	20791	2.24	ng	97

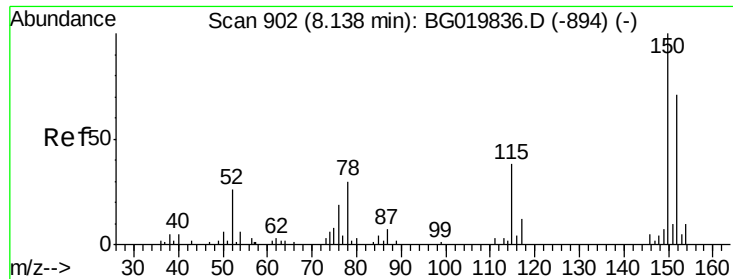
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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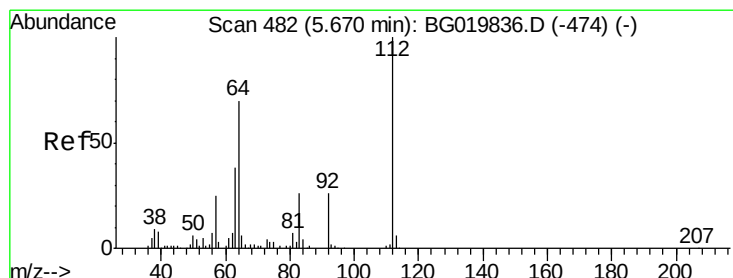
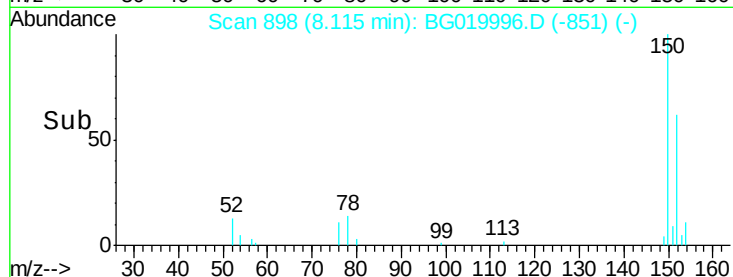
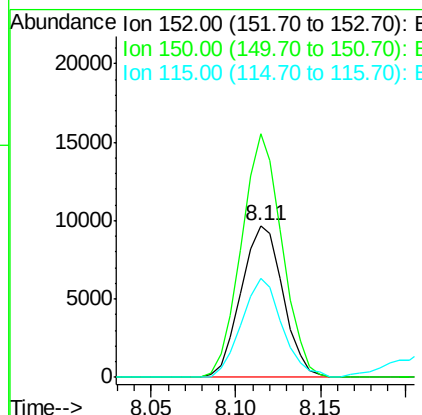
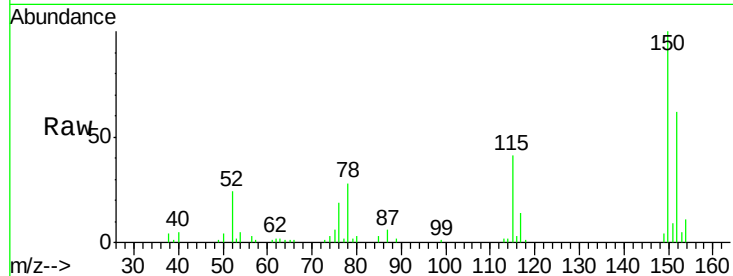




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.11 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

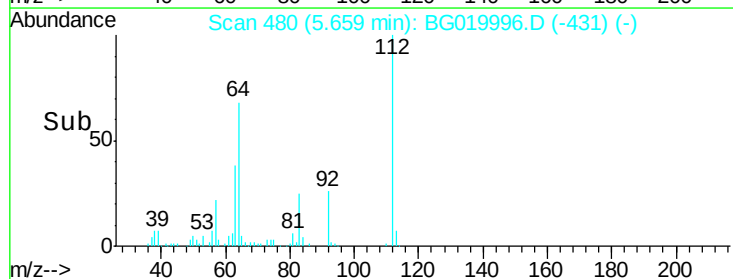
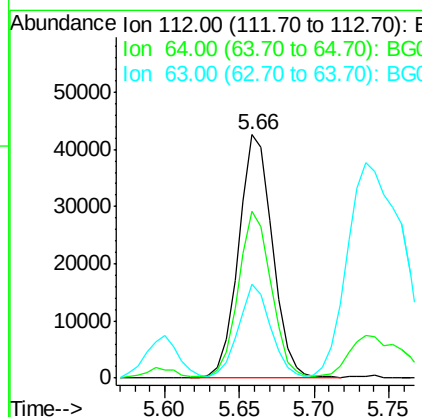
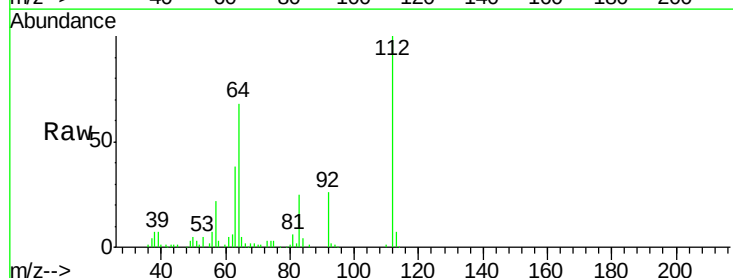
Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

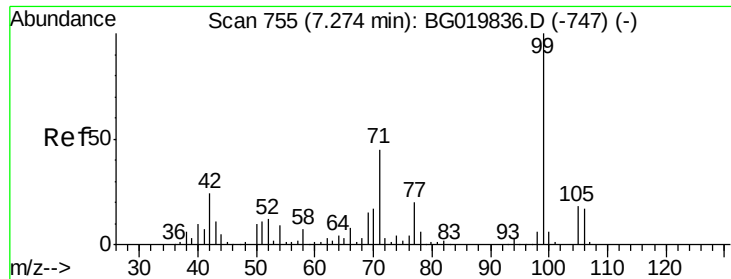
Tgt Ion:152 Resp: 16690
 Ion Ratio Lower Upper
 152 100
 150 160.1 115.0 172.4
 115 65.3 43.9 65.9



#5
 2-Fluorophenol
 Concen: 72.55 ng
 RT: 5.66 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:112 Resp: 67000
 Ion Ratio Lower Upper
 112 100
 64 68.4 43.7 65.5#
 63 38.4 24.0 36.0#





#7

Phenol-d6

Concen: 42.70 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

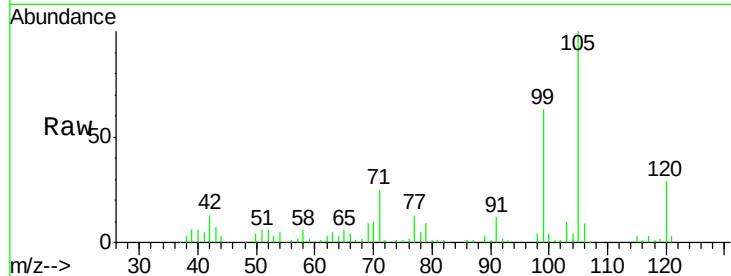
Tgt Ion: 99 Resp: 59534

Ion Ratio Lower Upper

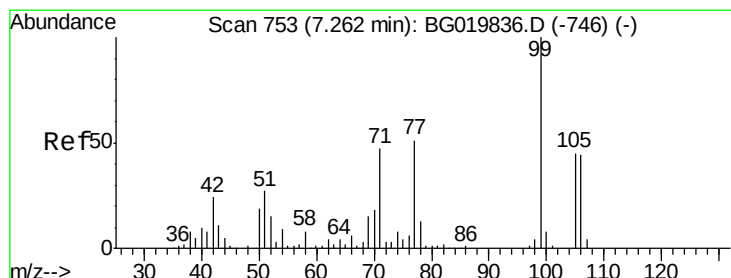
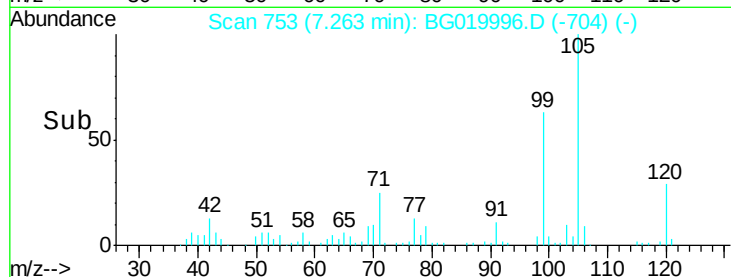
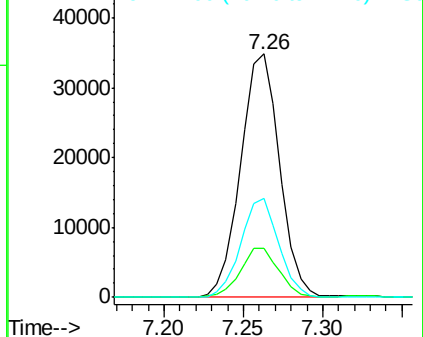
99 100

42 20.1 11.5 17.3#

71 40.4 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



#9

Benzaldehyde

Concen: 20.86 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.01 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

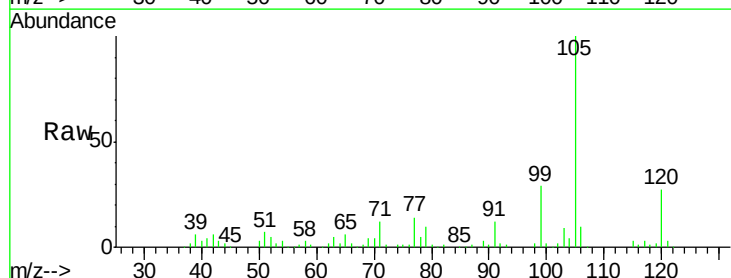
Tgt Ion: 77 Resp: 19397

Ion Ratio Lower Upper

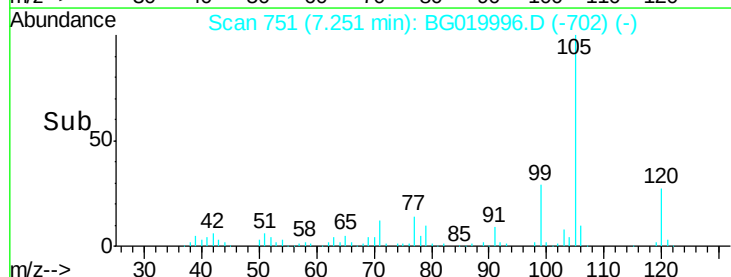
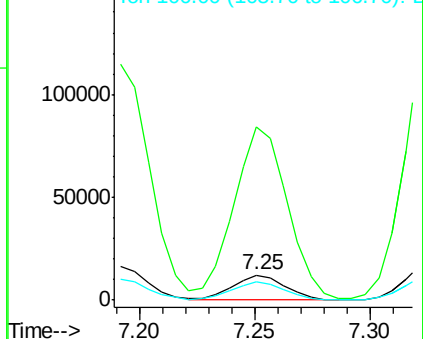
77 100

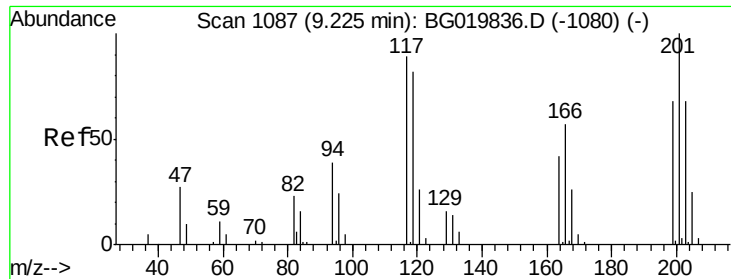
105 693.8 77.7 117.7#

106 72.8 75.8 115.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

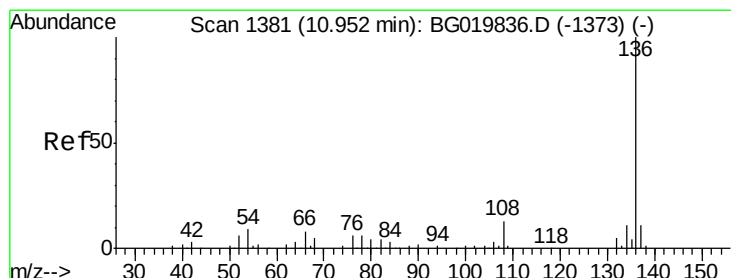
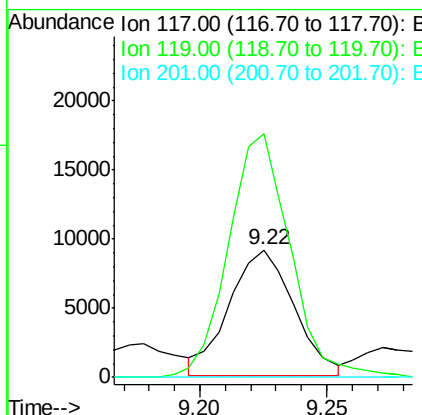
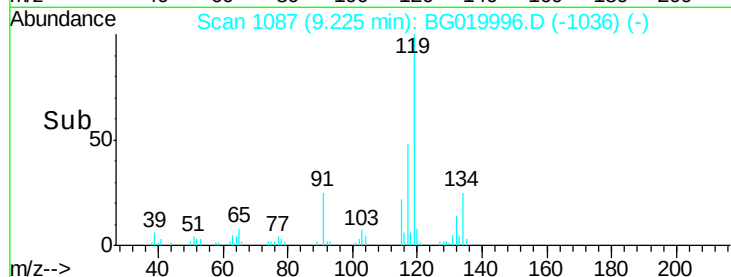
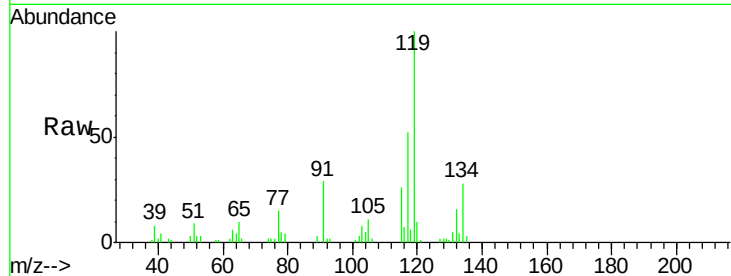




#18
Hexachloroethane
Concen: 32.56 ng
RT: 9.22 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

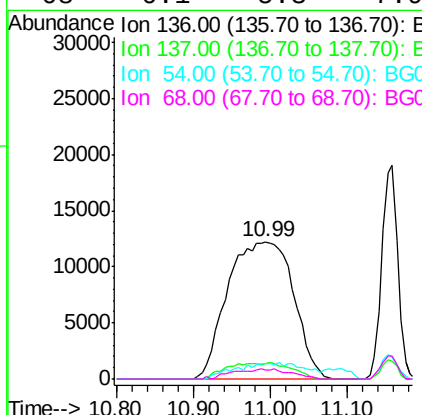
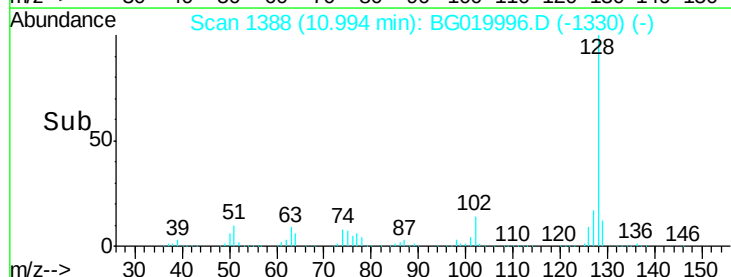
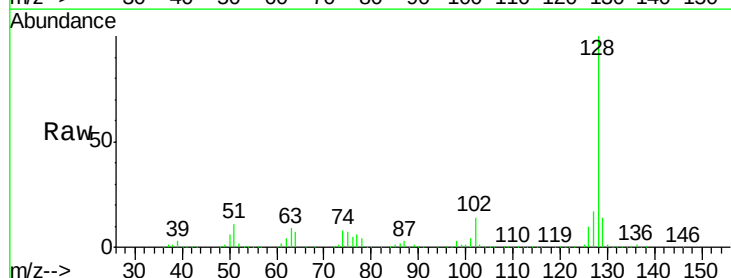
Instrument :
BNA_G
ClientSampleId :
MW-11C

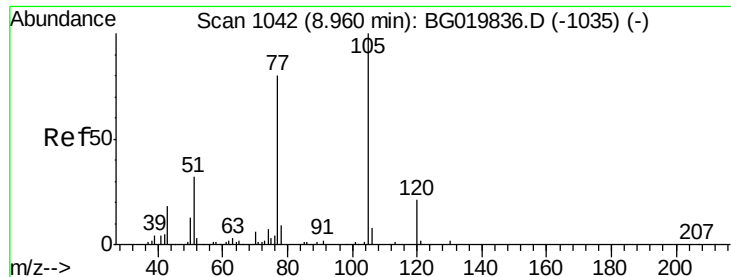
Tgt Ion:117 Resp: 16072
Ion Ratio Lower Upper
117 100
119 190.9 71.7 107.5#
201 0.0 90.9 136.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1388
Delta R.T. 0.04 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Tgt Ion:136 Resp: 72411
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 11.6 5.4 8.2#
68 6.1 5.3 7.9





#22

Acetophenone

Concen: 6.57 ng

RT: 8.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

Tgt Ion: 105 Resp: 13039

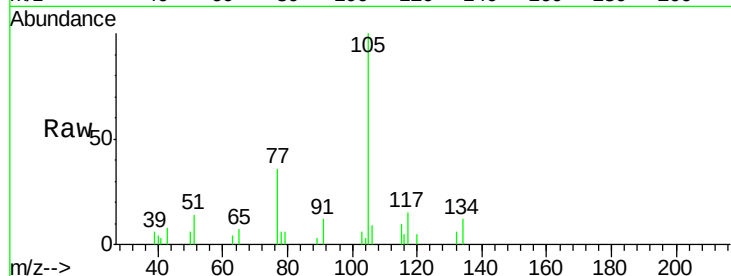
Ion Ratio Lower Upper

105 100

71 0.0 2.1 3.1#

51 13.9 17.8 26.8#

120 5.2 17.7 26.5#

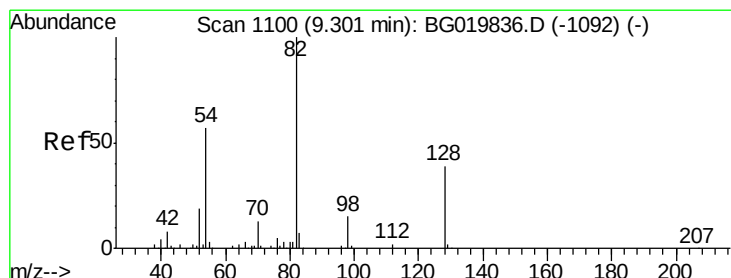
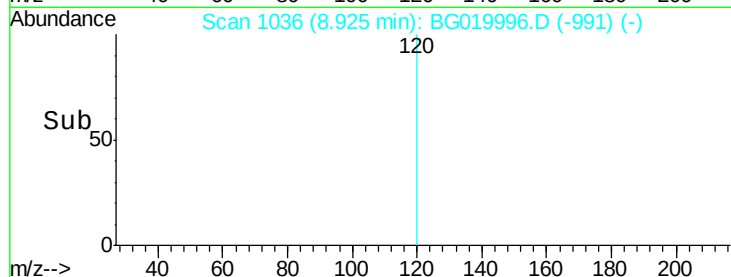
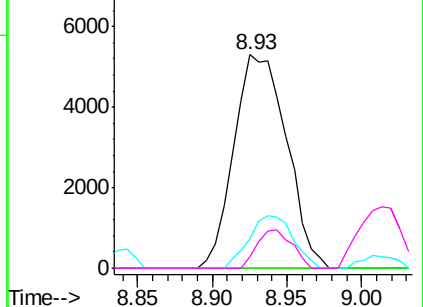


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 102.78 ng

RT: 9.28 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

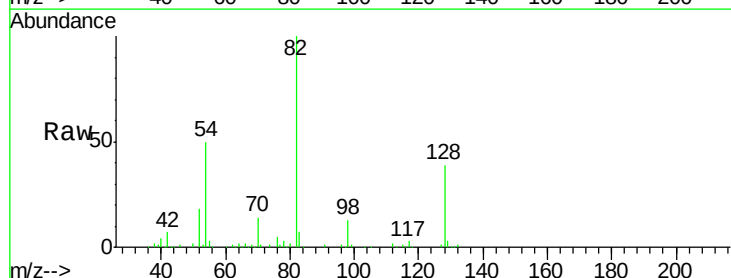
Tgt Ion: 82 Resp: 145826

Ion Ratio Lower Upper

82 100

128 38.7 36.7 55.1

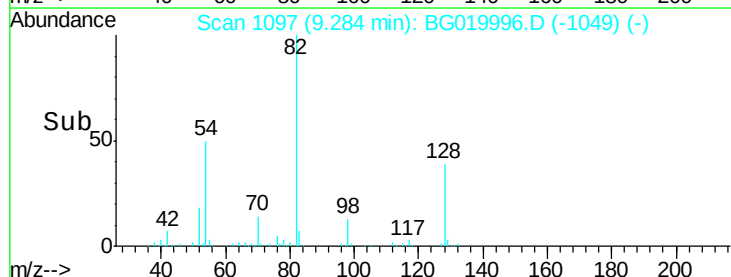
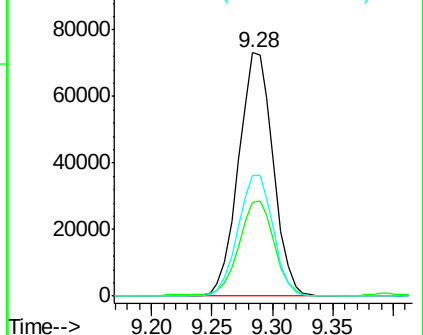
54 49.8 33.8 50.8

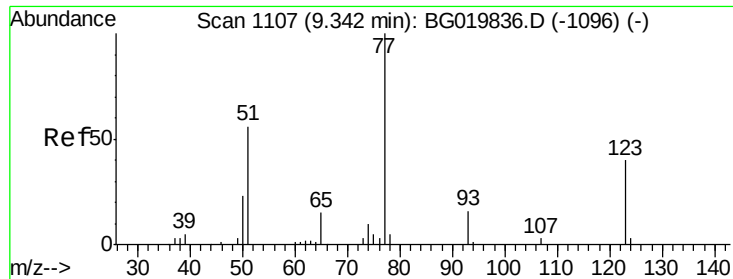


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 2.18 ng

RT: 9.39 min Scan# 1115

Delta R.T. 0.05 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampled :

MW-11C

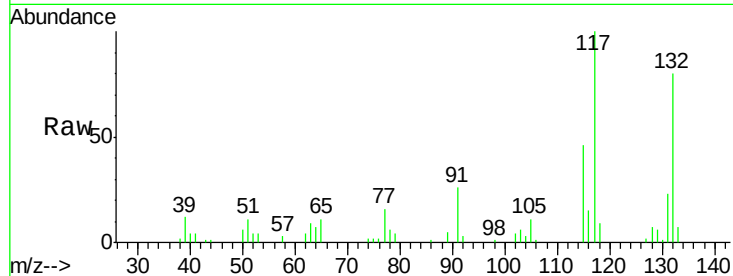
Tgt Ion: 77 Resp: 3350

Ion Ratio Lower Upper

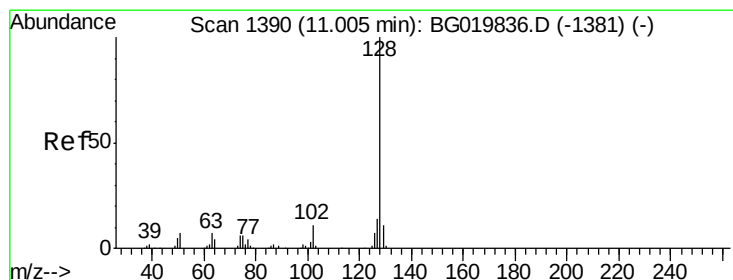
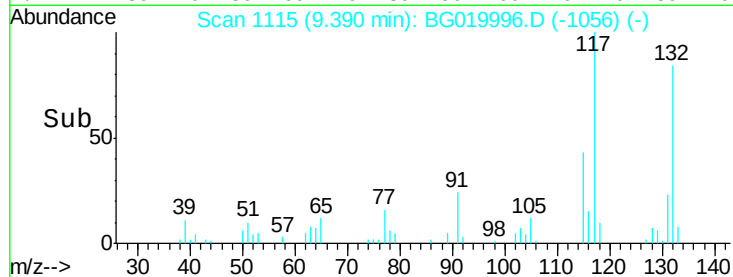
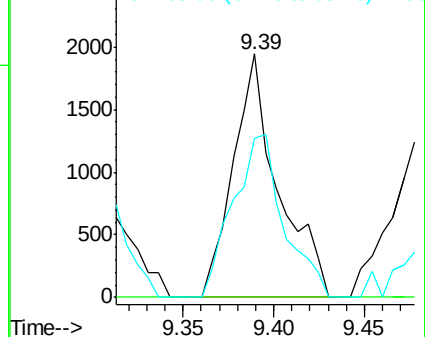
77 100

123 0.0 38.2 57.2#

65 65.4 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 3151.73 ng

RT: 11.10 min Scan# 1406

Delta R.T. 0.09 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

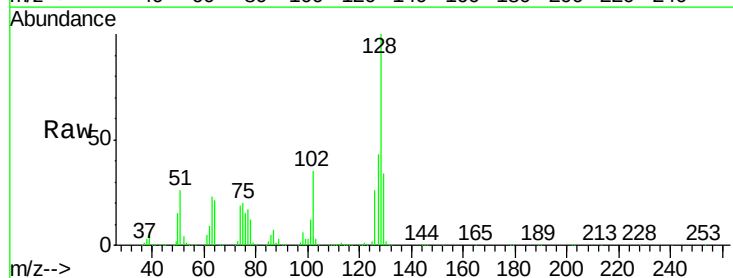
Tgt Ion:128 Resp:12225998

Ion Ratio Lower Upper

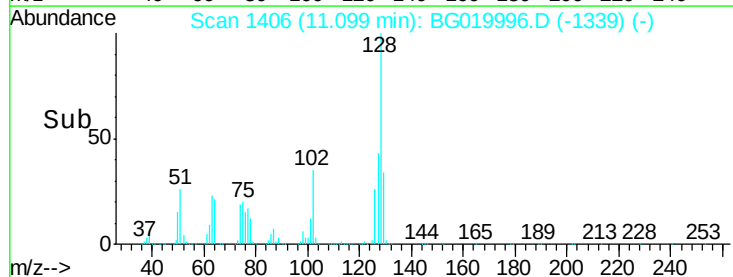
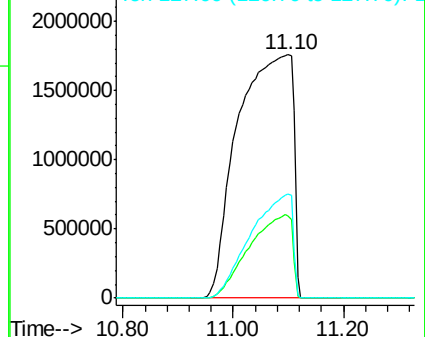
128 100

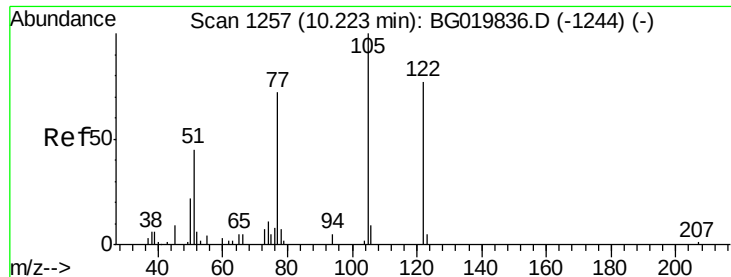
129 33.9 8.5 12.7#

127 42.6 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

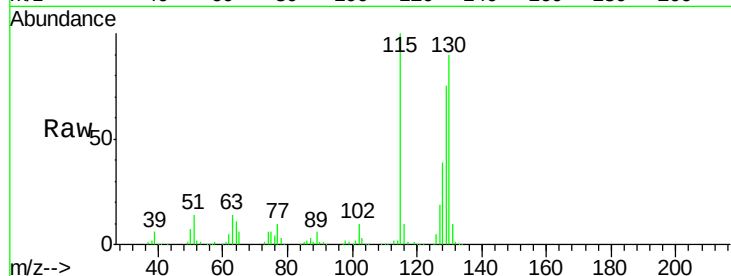




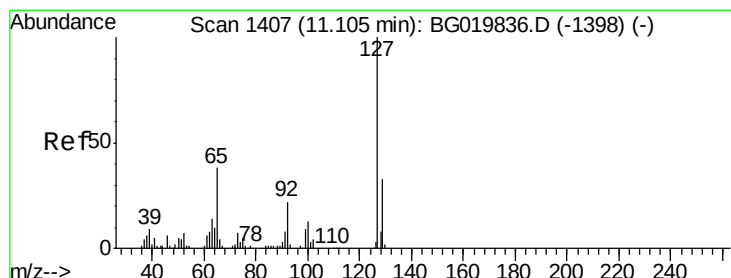
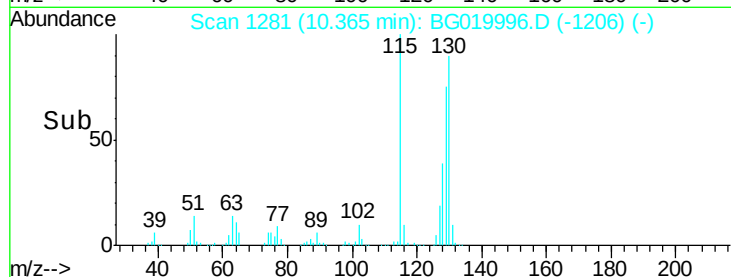
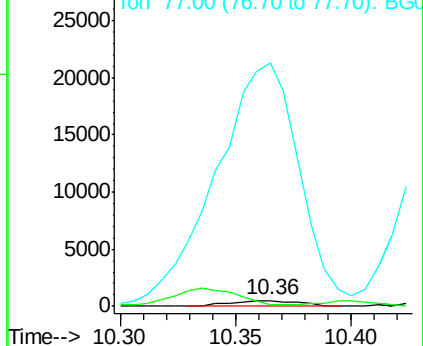
#32
Benzoic acid
Concen: 7.01 ng
RT: 10.36 min Scan# 1281
Delta R.T. 0.14 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Instrument :
BNA_G
ClientSampleId :
MW-11C

Tgt Ion:122 Resp: 961
Ion Ratio Lower Upper
122 100
105 39.8 103.8 143.8#
77 4178.8 68.8 108.8#

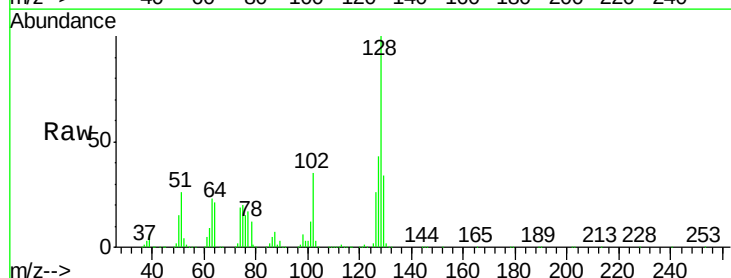


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

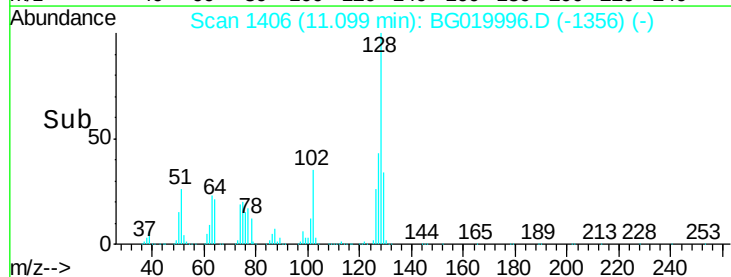
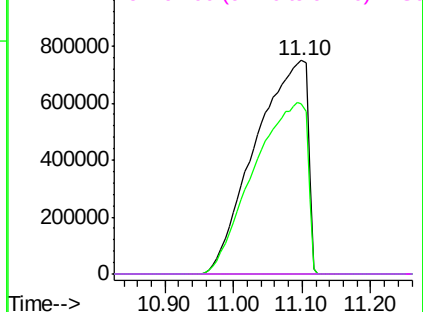


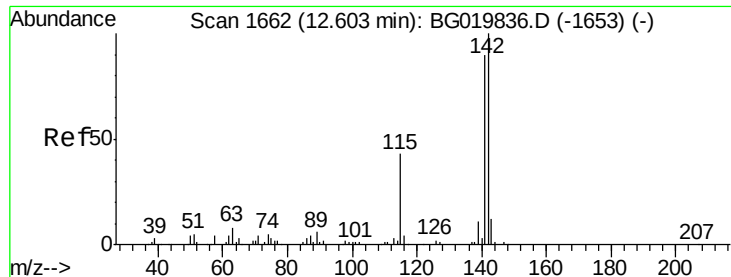
#33
4-Chloroaniline
Concen: 2320.64 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Tgt Ion:127 Resp: 3966838
Ion Ratio Lower Upper
127 100
129 79.5 24.6 37.0#
65 0.0 22.6 33.8#
92 0.0 15.1 22.7#



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

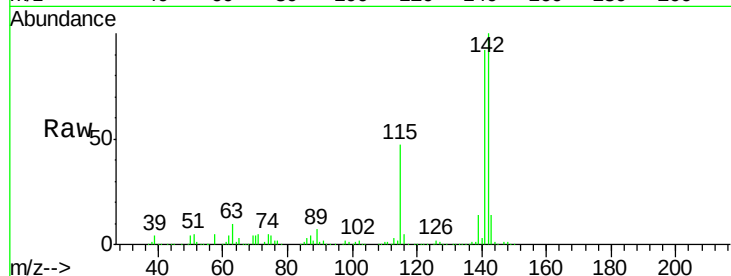




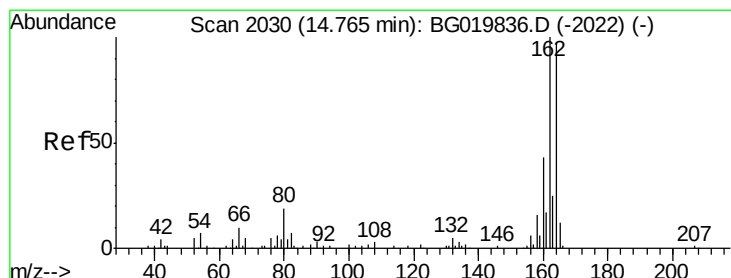
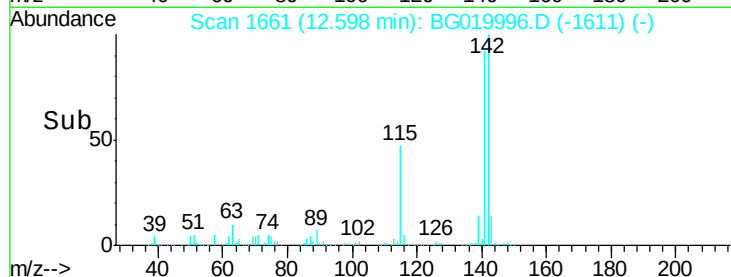
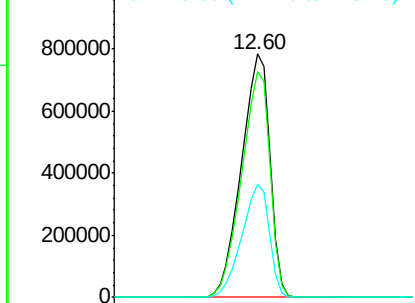
#37
2-Methylnaphthalene
Concen: 518.50 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Instrument :
BNA_G
ClientSampleId :
MW-11C

Tgt Ion:142 Resp: 1473987
Ion Ratio Lower Upper
142 100
141 92.5 74.6 112.0
115 46.7 27.4 41.0#

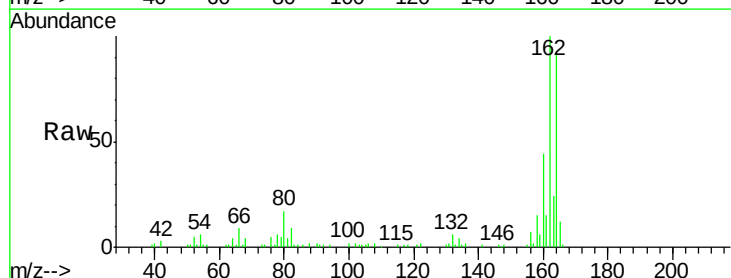


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

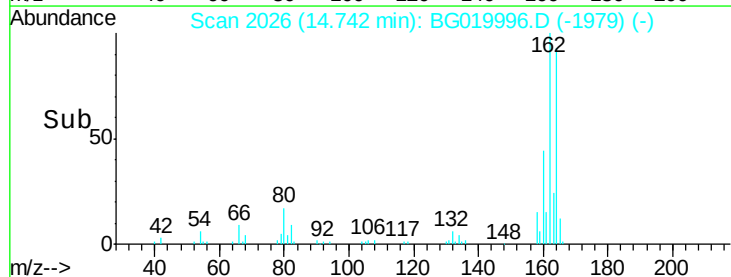
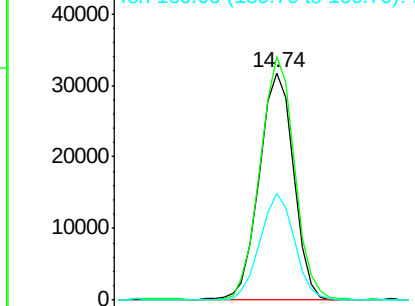


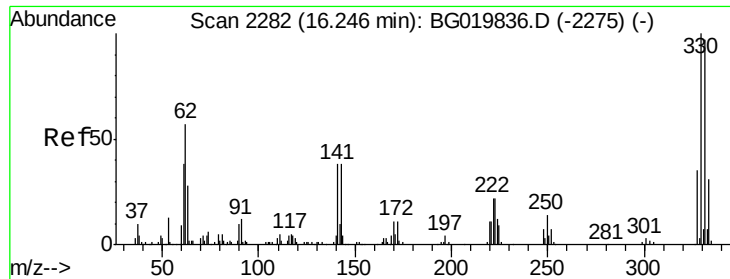
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Tgt Ion:164 Resp: 50511
Ion Ratio Lower Upper
164 100
162 107.2 78.8 118.2
160 47.0 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

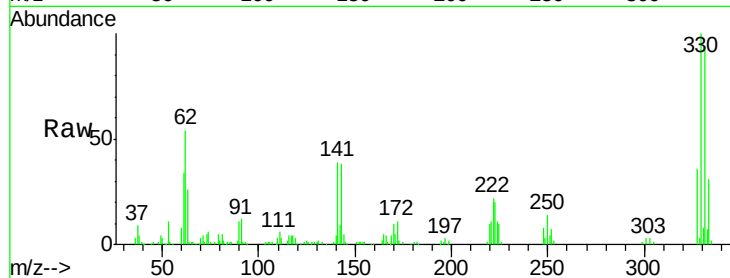




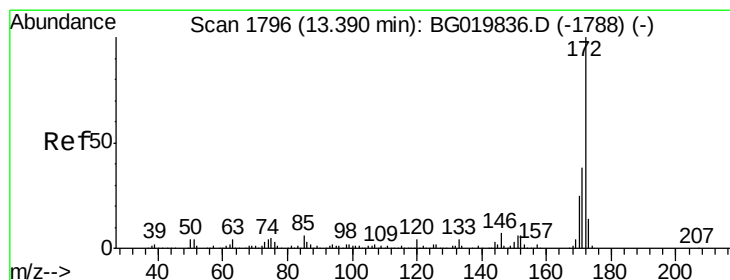
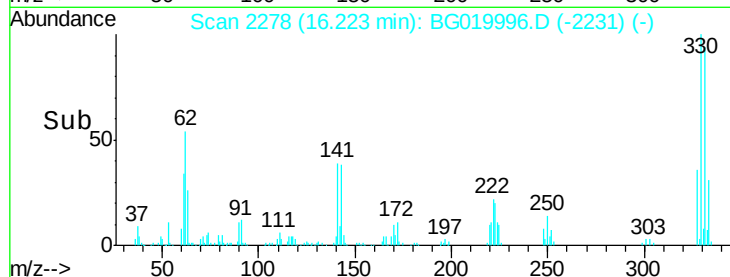
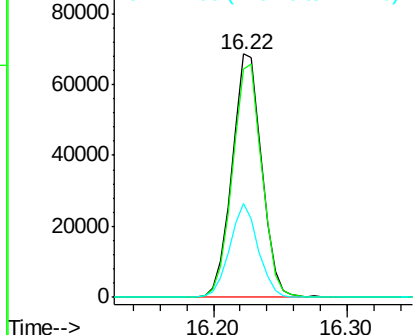
#41
 2,4,6-Tribromophenol
 Concen: 137.12 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

Tgt Ion:330 Resp: 105974
 Ion Ratio Lower Upper
 330 100
 332 94.9 78.1 117.1
 141 37.2 28.2 42.2

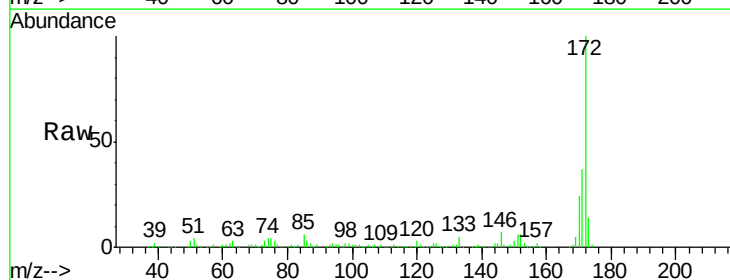


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

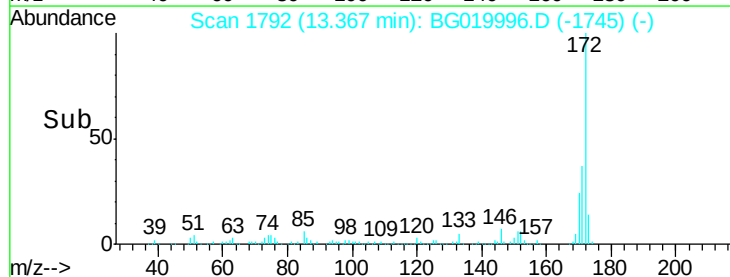
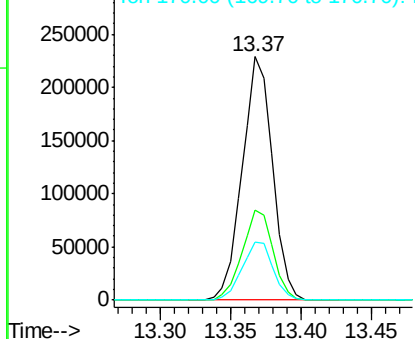


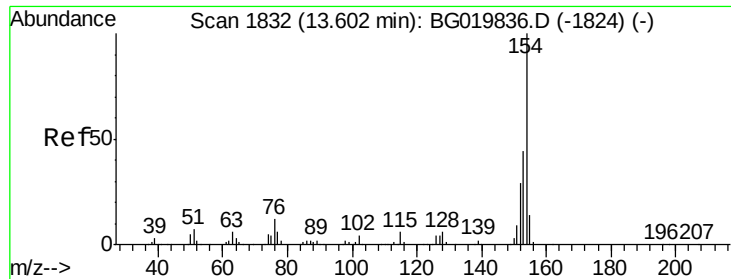
#44
 2-Fluorobiphenyl
 Concen: 92.78 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:172 Resp: 343240
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 24.1 19.9 29.9



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

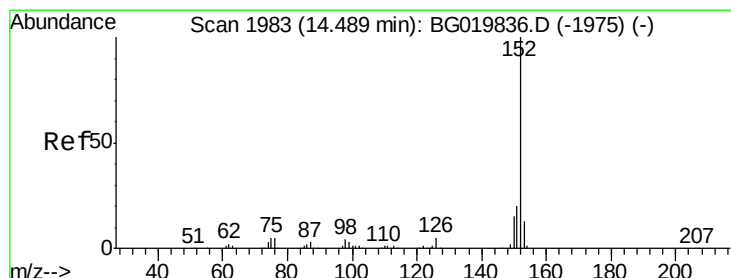
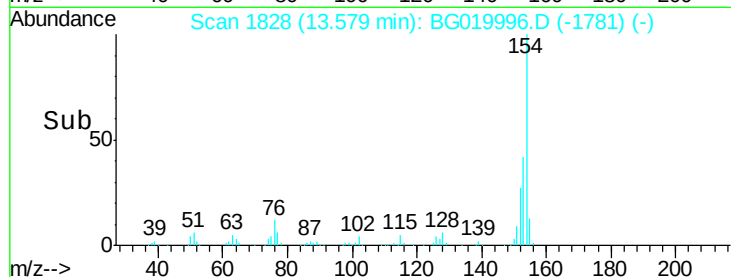
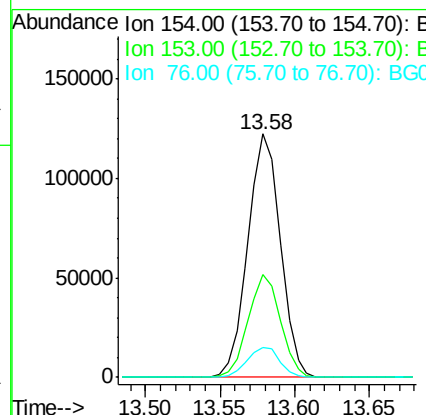
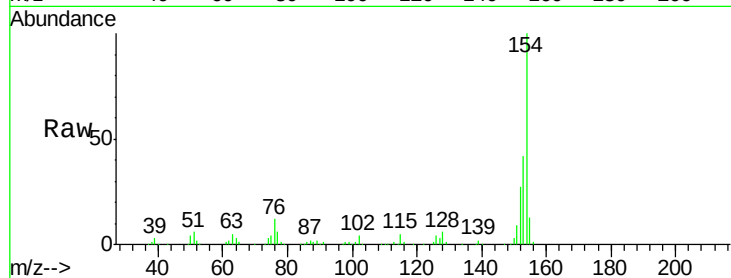




#45
 1,1'-Biphenyl
 Concen: 44.41 ng
 RT: 13.58 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

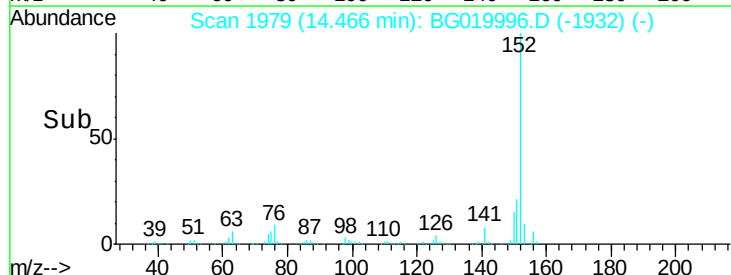
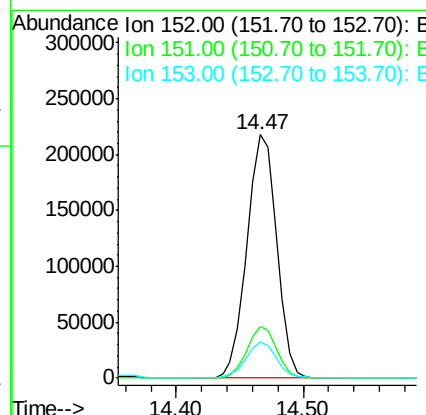
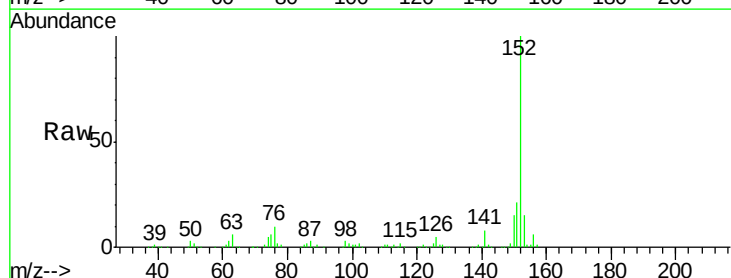
Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

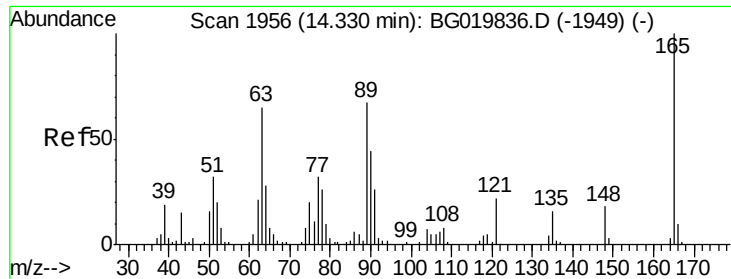
Tgt Ion:154 Resp: 184076
 Ion Ratio Lower Upper
 154 100
 153 42.2 21.9 61.9
 76 12.2 0.0 33.2



#48
 Acenaphthylene
 Concen: 65.28 ng
 RT: 14.47 min Scan# 1979
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:152 Resp: 355269
 Ion Ratio Lower Upper
 152 100
 151 21.0 17.0 25.4
 153 14.9 10.4 15.6

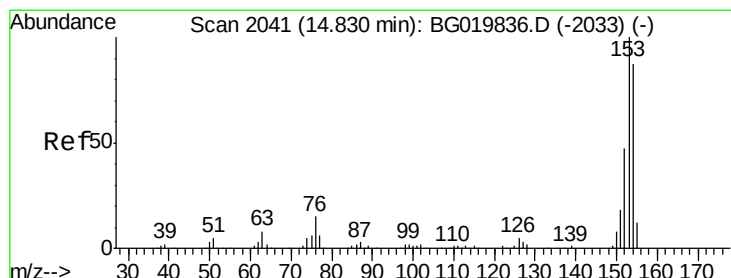
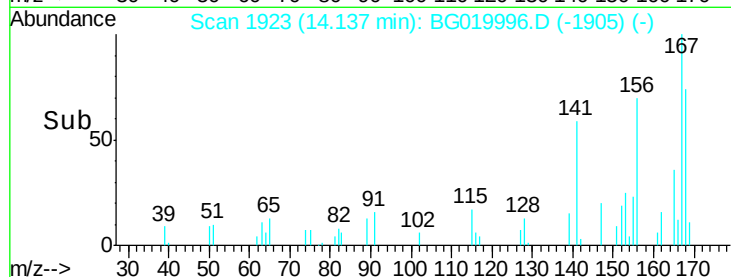
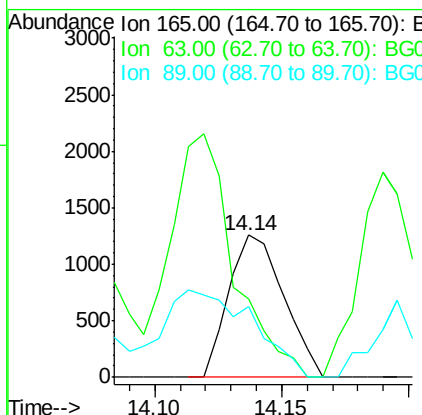
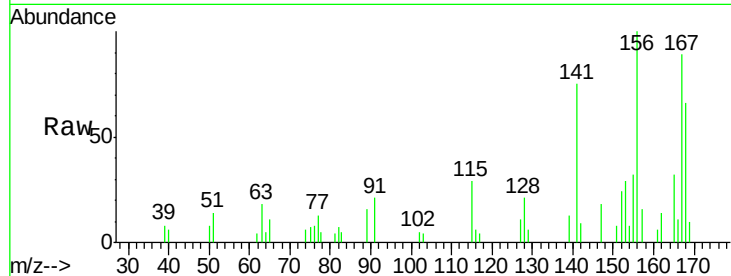




#50
 2,6-Dinitrotoluene
 Concen: 2.23 ng
 RT: 14.14 min Scan# 1923
 Delta R.T. -0.19 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

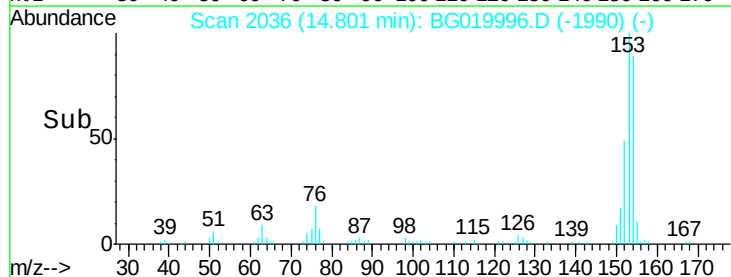
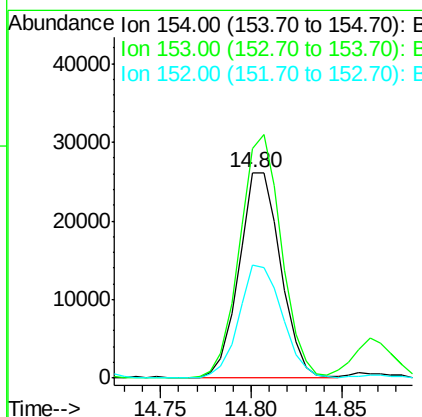
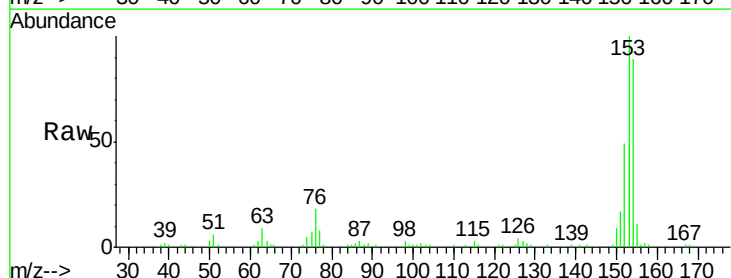
Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

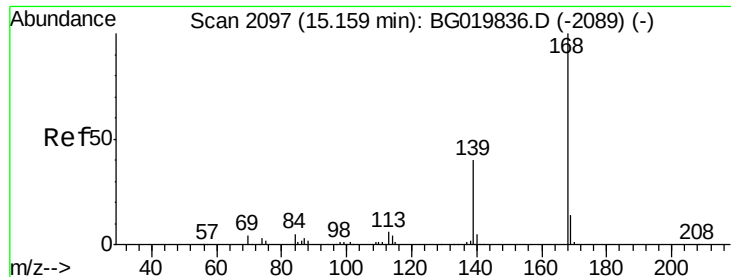
Tgt Ion:165 Resp: 1901
 Ion Ratio Lower Upper
 165 100
 63 55.2 35.7 53.5#
 89 49.5 39.7 59.5



#51
 Acenaphthene
 Concen: 12.61 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. -0.03 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:154 Resp: 41628
 Ion Ratio Lower Upper
 154 100
 153 112.0 92.9 139.3
 152 54.7 45.8 68.8





#54

Dibenzenofuran

Concen: 2.96 ng

RT: 15.14 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

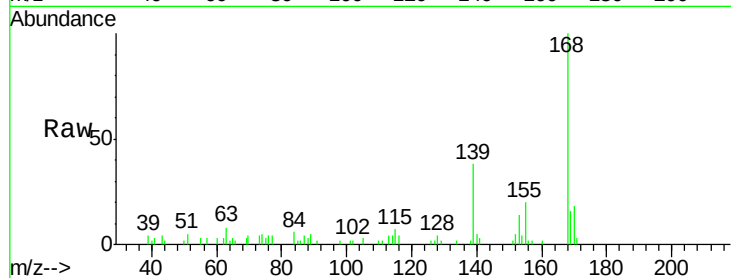
Tgt Ion:168 Resp: 14552

Ion Ratio Lower Upper

168 100

139 38.1 27.4 41.0

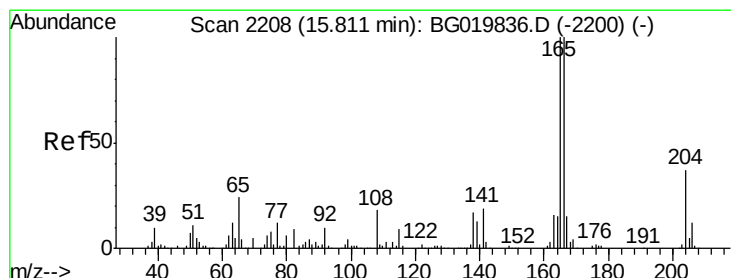
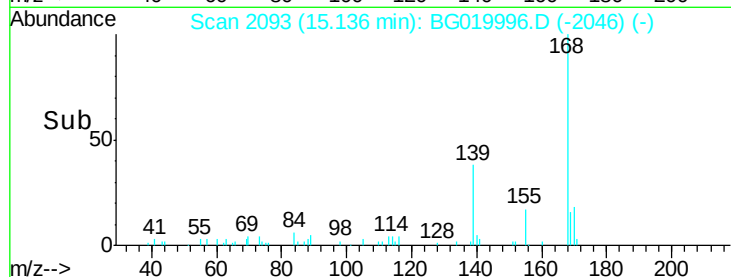
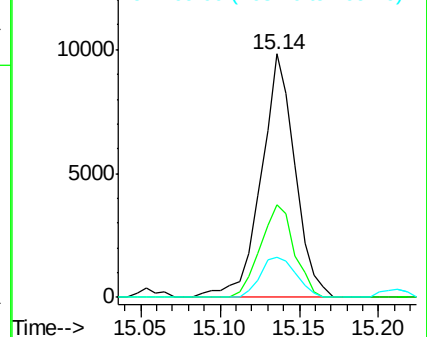
169 16.5 11.0 16.4#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 30.93 ng

RT: 15.79 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

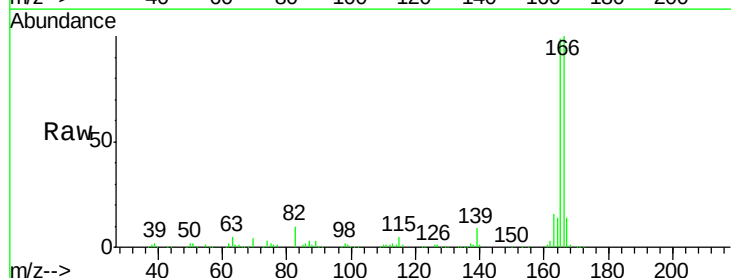
Tgt Ion:166 Resp: 136031

Ion Ratio Lower Upper

166 100

165 99.1 80.0 120.0

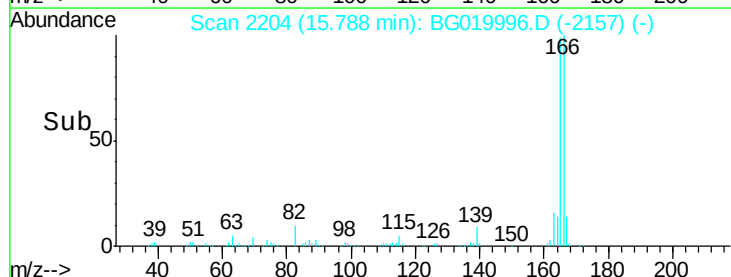
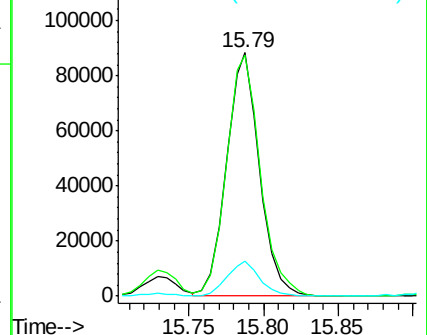
167 14.1 11.1 16.7

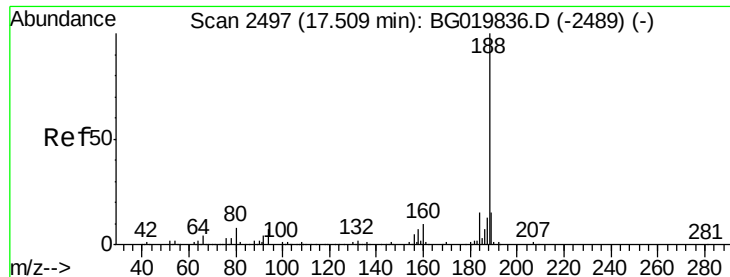


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

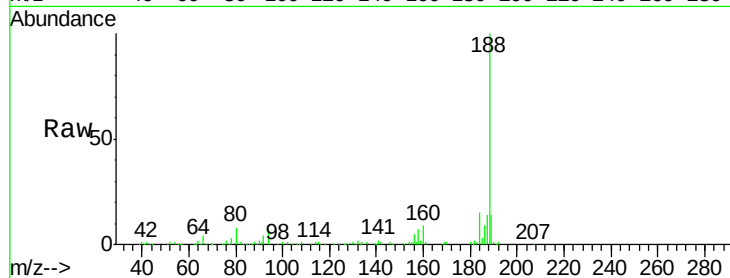
Tgt Ion:188 Resp: 127679

Ion Ratio Lower Upper

188 100

94 7.4 7.7 11.5#

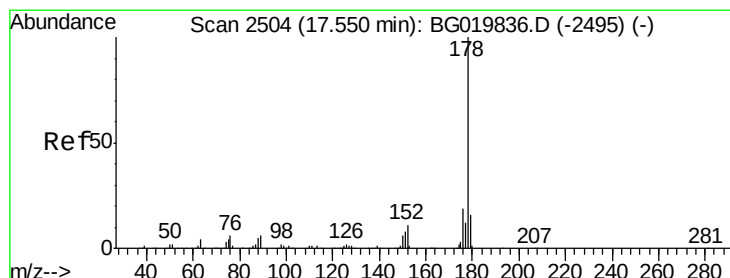
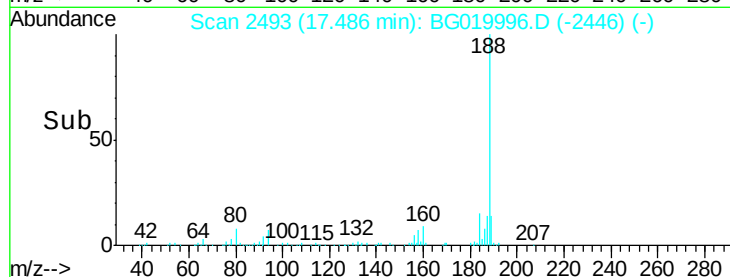
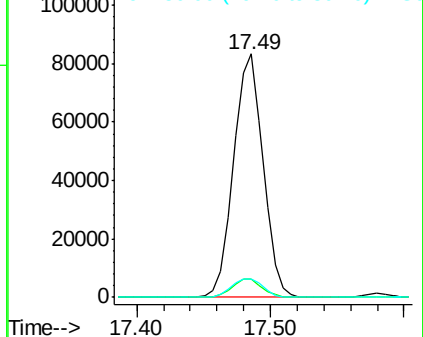
80 7.6 7.8 11.8#



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



#70

Phenanthrene

Concen: 31.10 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

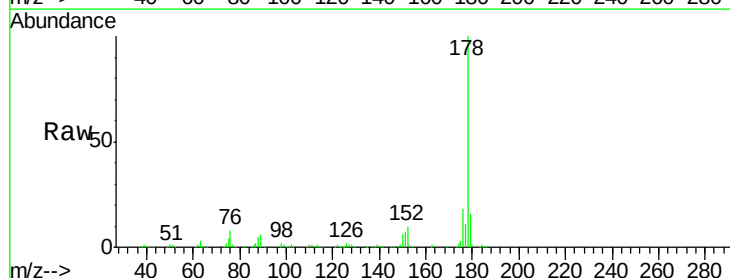
Tgt Ion:178 Resp: 224690

Ion Ratio Lower Upper

178 100

176 18.3 16.7 25.1

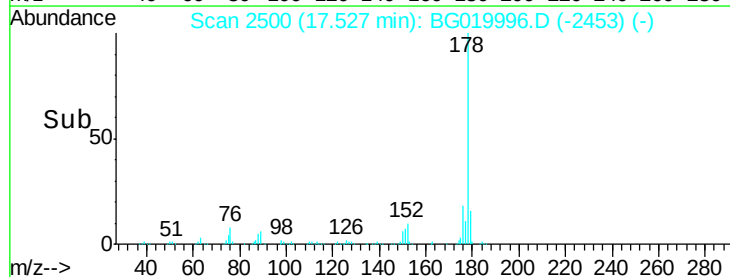
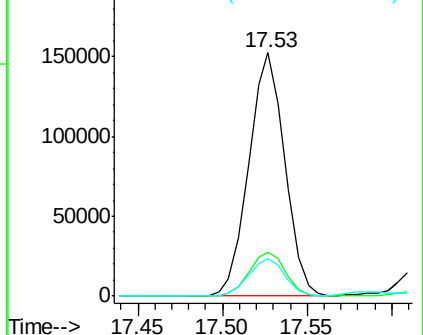
179 15.6 13.9 20.9

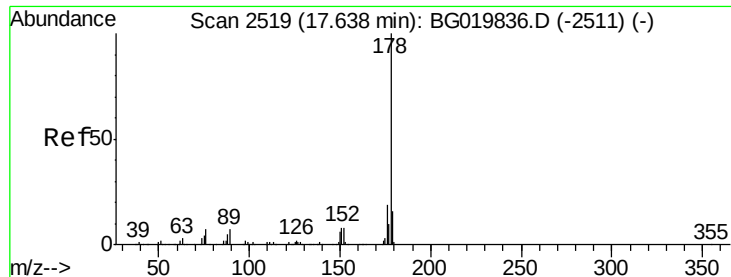


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

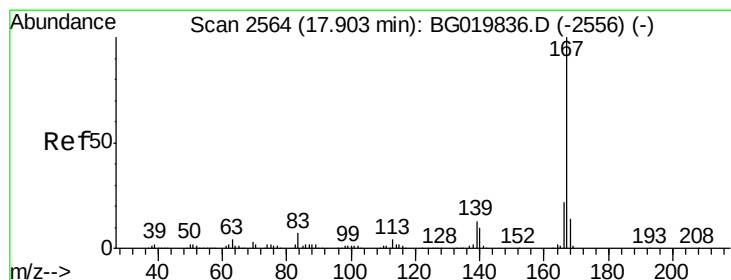
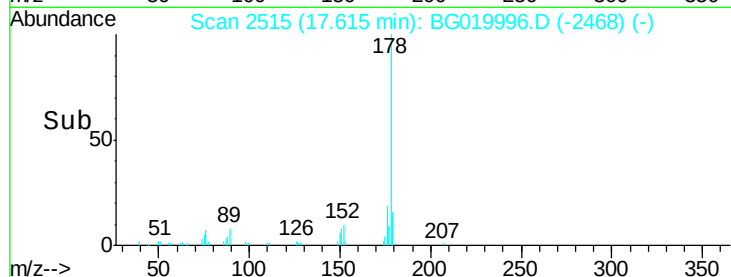
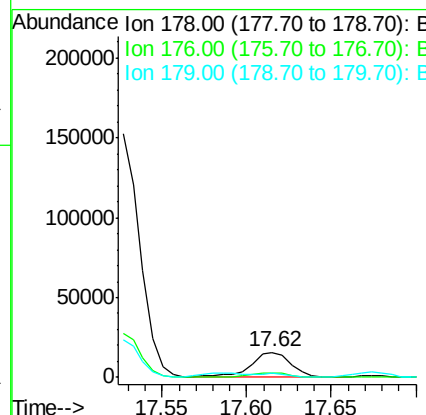
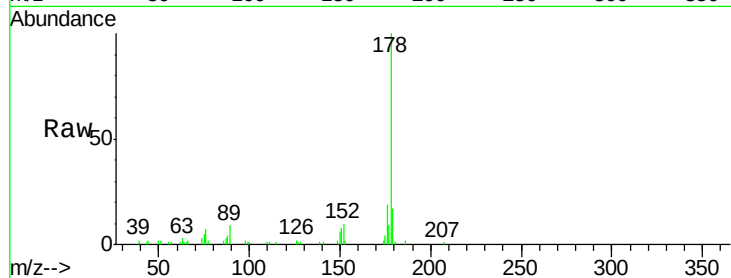




#71
 Anthracene
 Concen: 3.43 ng
 RT: 17.62 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

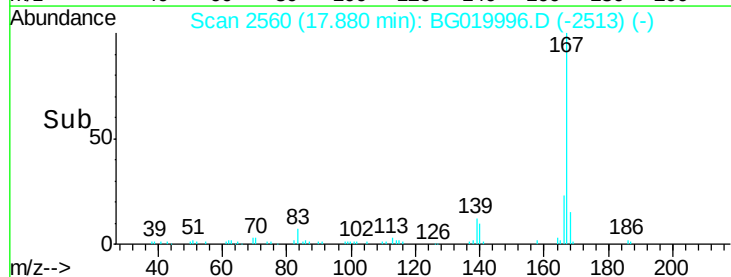
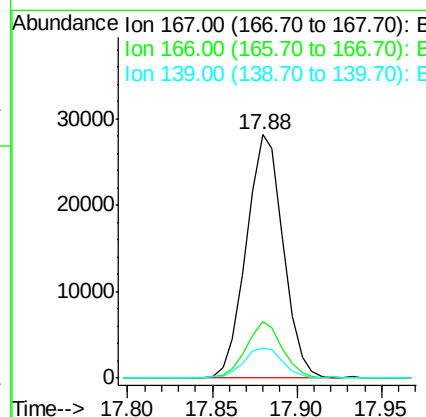
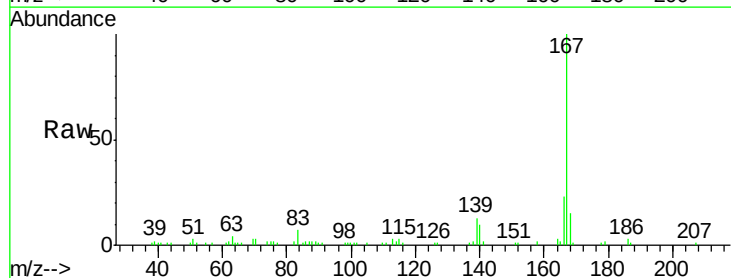
Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

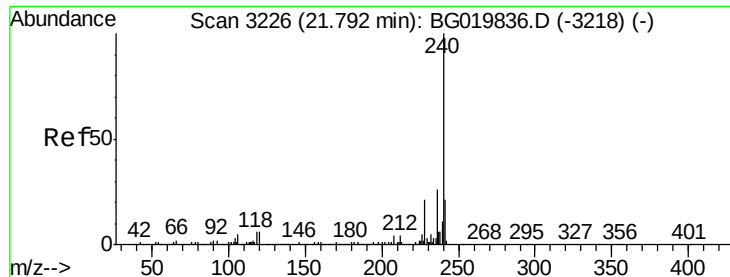
Tgt Ion:178 Resp: 25264
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.8 25.2
 179 17.2 13.9 20.9



#72
 Carbazole
 Concen: 6.59 ng
 RT: 17.88 min Scan# 2560
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:167 Resp: 42691
 Ion Ratio Lower Upper
 167 100
 166 23.5 19.0 28.6
 139 12.5 10.2 15.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

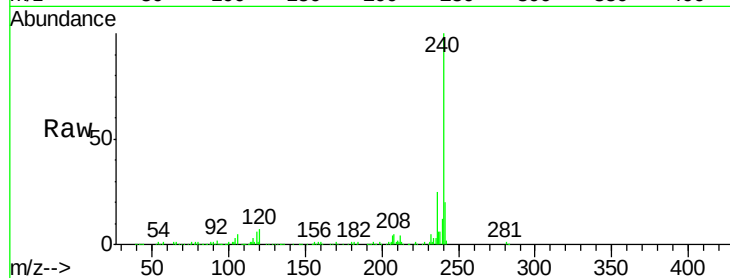
Tgt Ion:240 Resp: 157913

Ion Ratio Lower Upper

240 100

120 7.0 7.4 11.0#

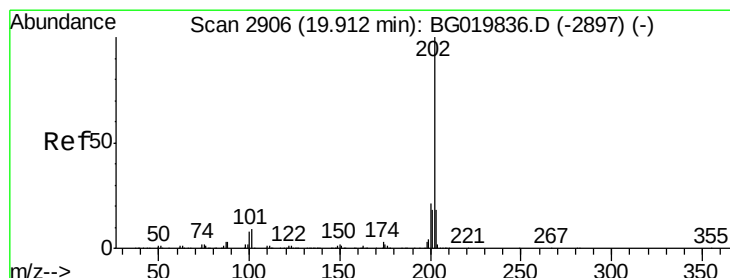
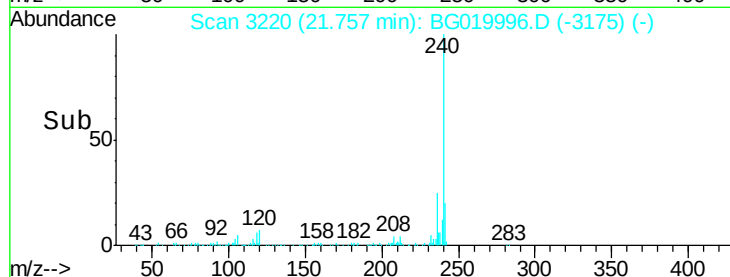
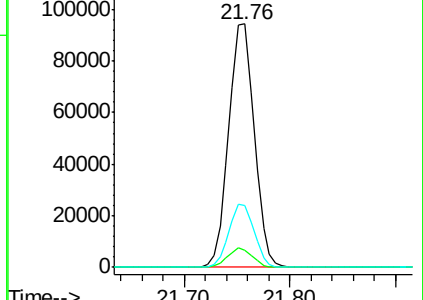
236 25.2 20.7 31.1



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



#77

Pyrene

Concen: 2.24 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

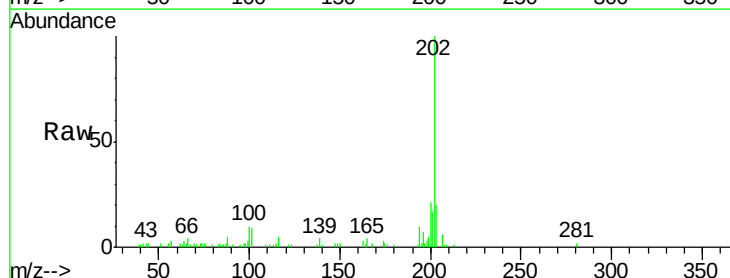
Tgt Ion:202 Resp: 20791

Ion Ratio Lower Upper

202 100

200 21.5 19.4 29.0

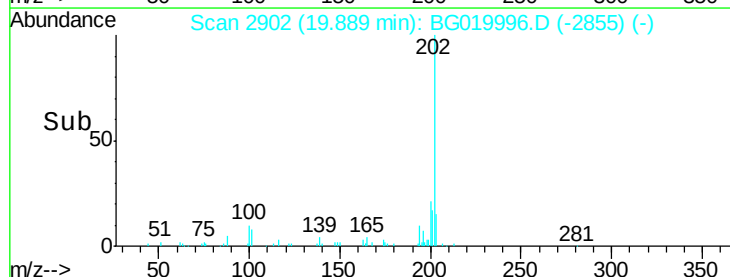
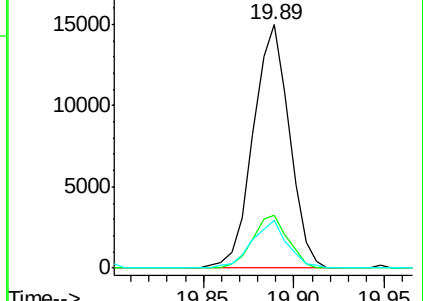
203 19.5 15.5 23.3

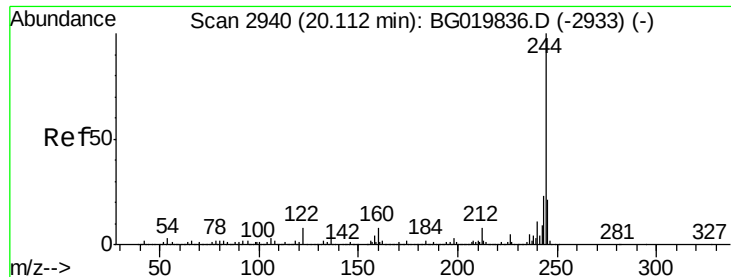


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.34 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

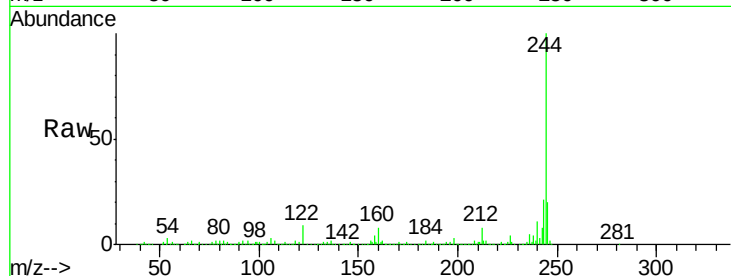
Tgt Ion:244 Resp: 578401

Ion Ratio Lower Upper

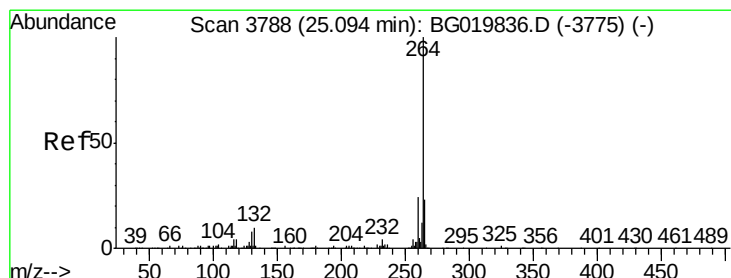
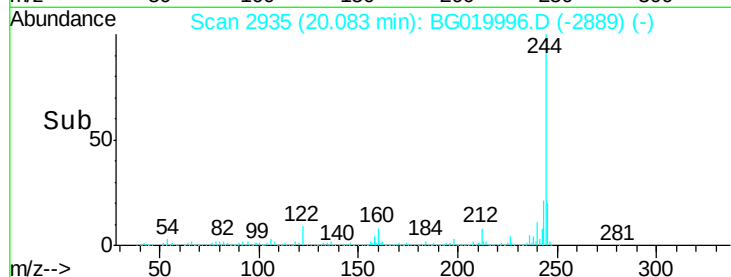
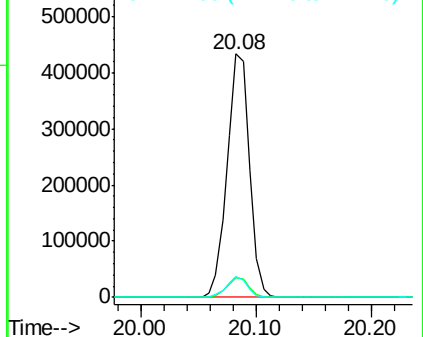
244 100

212 7.8 6.9 10.3

122 8.7 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.04 min Scan# 3778

Delta R.T. -0.06 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

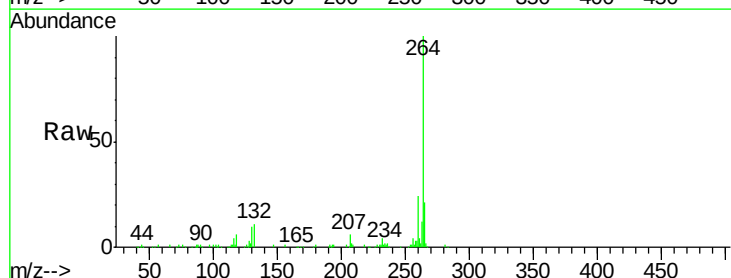
Tgt Ion:264 Resp: 147032

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 20.8 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

