

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120715\
 Data File : BG020004.D
 Acq On : 8 Dec 2015 5:55
 Operator : UM/NP
 Sample : G4676-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Quant Time: Dec 08 06:37:25 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

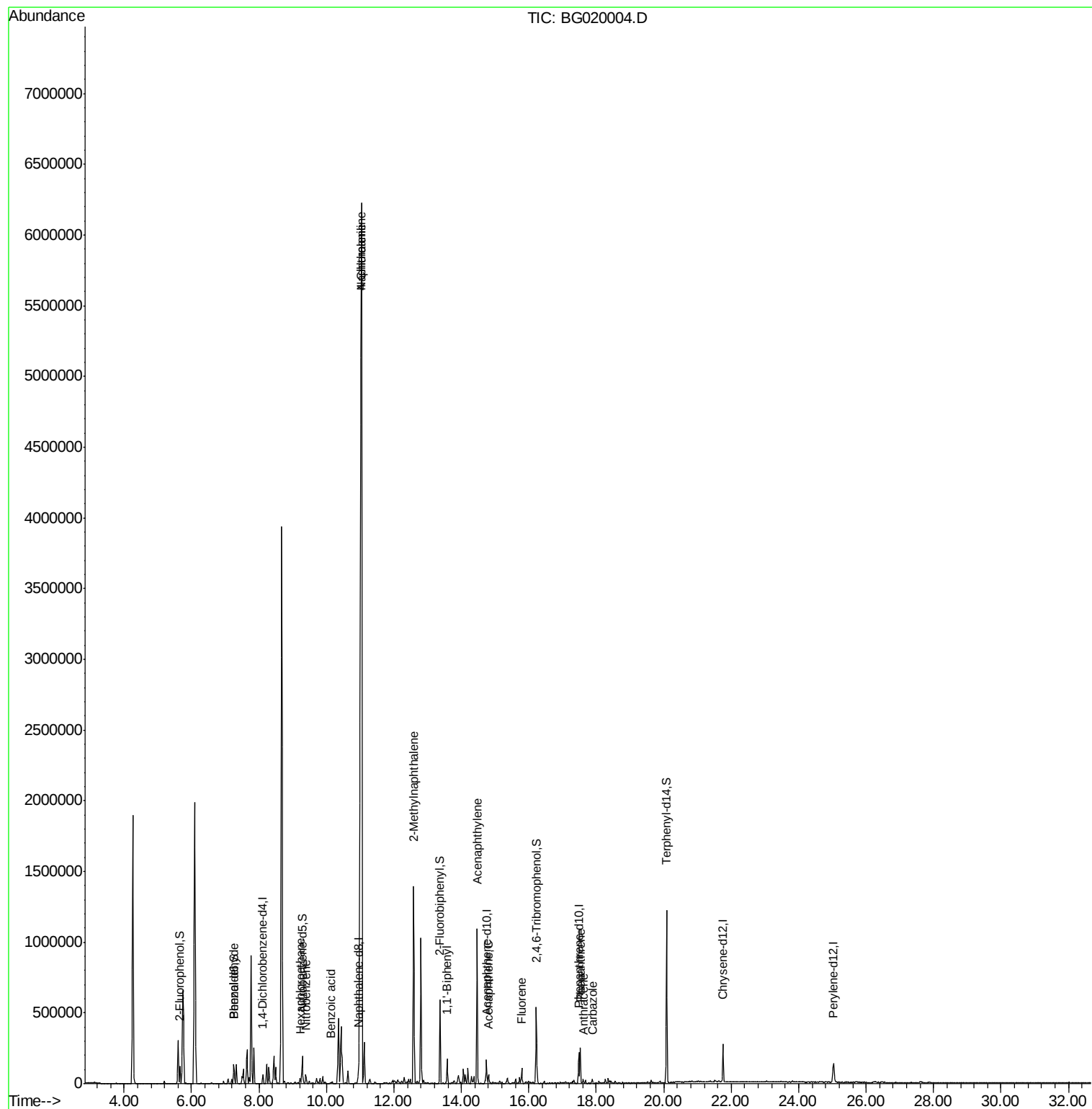
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	19046	20.00	ng	-0.02
21) Naphthalene-d8	10.95	136	80359	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	54073	20.00	ng	-0.02
63) Phenanthrene-d10	17.48	188	136584	20.00	ng	-0.03
75) Chrysene-d12	21.76	240	164579	20.00	ng	-0.04
86) Perylene-d12	25.03	264	155915	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	51563	48.93	ng	-0.01
7) Phenol-d6	7.26	99	50933	32.01	ng	-0.02
23) Nitrobenzene-d5	9.28	82	122152	77.58	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	97433	117.76	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	298131	75.28	ng	-0.02
78) Terphenyl-d14	20.08	244	541320	80.23	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.25	77	5255	4.95	ng	# 1
18) Hexachloroethane	9.22	117	10888	19.33	ng	# 38
24) Nitrobenzene	9.39	77	3891	2.28	ng	# 14
31) Naphthalene	11.04	128	6304959	1464.59	ng	# 56
32) Benzoic acid	10.14	122	1647	7.56	ng	100
33) 4-Chloroaniline	11.04	127	1536284	809.85	ng	# 33
37) 2-Methylnaphthalene	12.58	142	638775	202.47	ng	# 95
45) 1,1'-Biphenyl	13.58	154	91337	20.58	ng	99
48) Acenaphthylene	14.47	152	771235	132.37	ng	97
51) Acenaphthene	14.81	154	22616	6.40	ng	98
57) Fluorene	15.78	166	55656	11.82	ng	97
70) Phenanthrene	17.53	178	155524	20.13	ng	95
71) Anthracene	17.61	178	20644	2.62	ng	95
72) Carbazole	17.88	167	19836	2.86	ng	94

(#) = 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: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

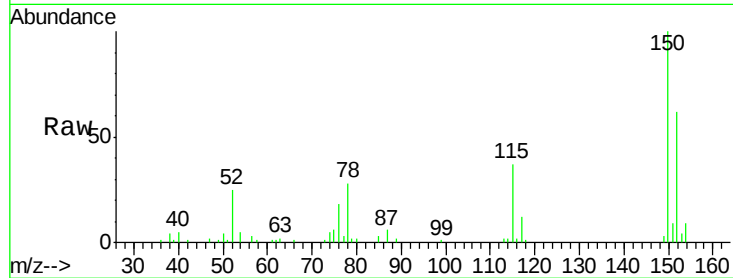
Tgt Ion:152 Resp: 19046

Ion Ratio Lower Upper

152 100

150 160.8 115.0 172.4

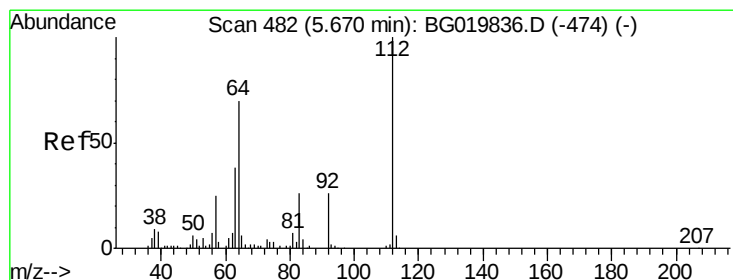
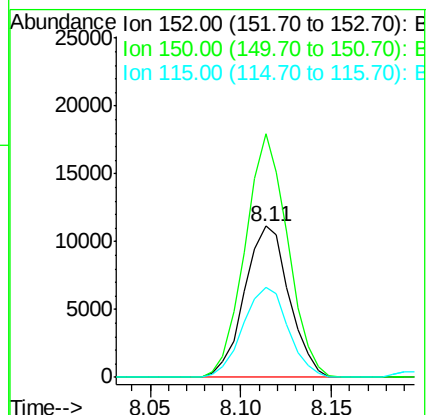
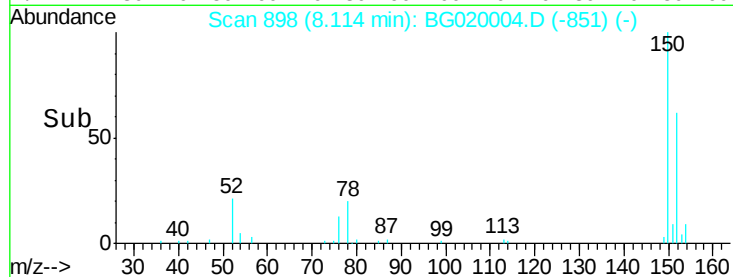
115 59.5 43.9 65.9



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: 48.93 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

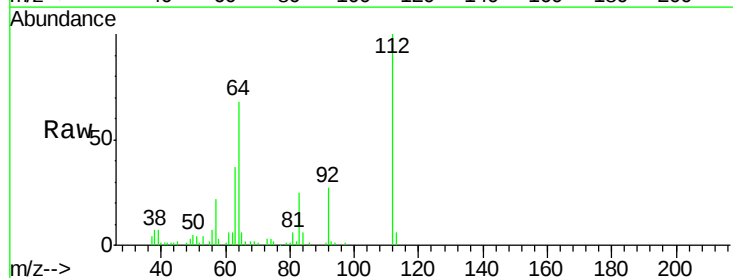
Tgt Ion:112 Resp: 51563

Ion Ratio Lower Upper

112 100

64 68.3 43.7 65.5#

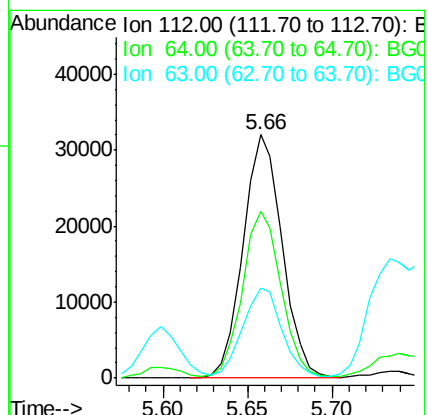
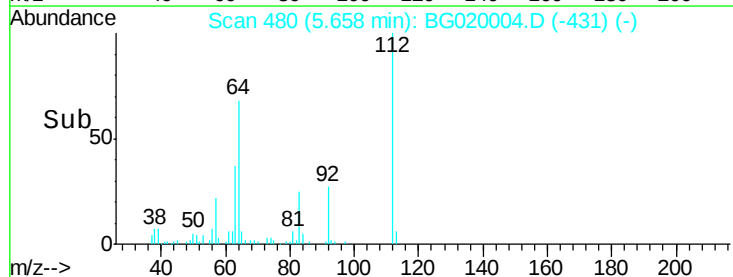
63 36.9 24.0 36.0#

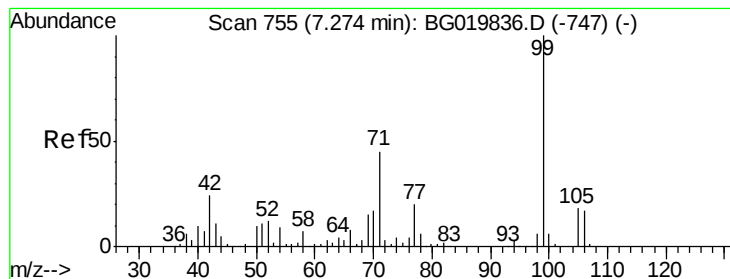


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.01 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

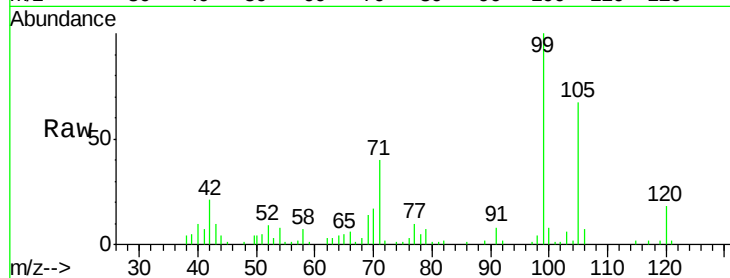
Tgt Ion: 99 Resp: 50933

Ion Ratio Lower Upper

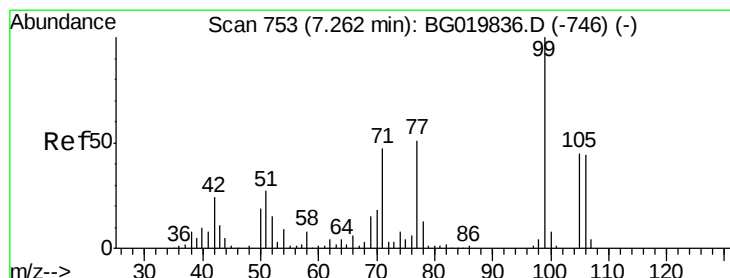
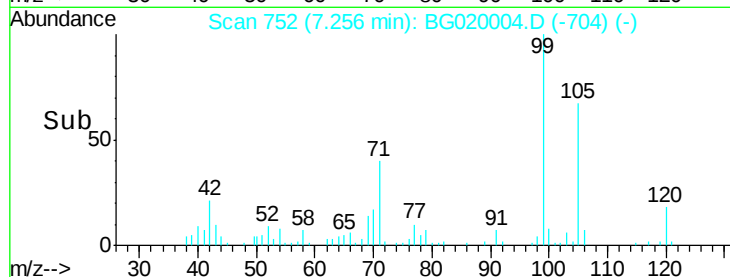
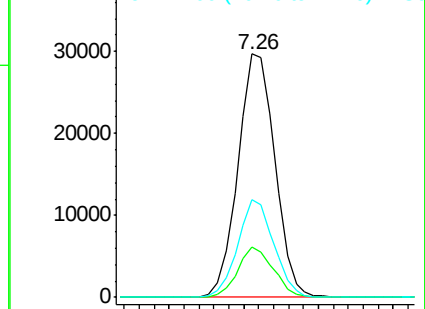
99 100

42 20.6 11.5 17.3#

71 40.2 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



#9

Benzaldehyde

Concen: 4.95 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.01 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

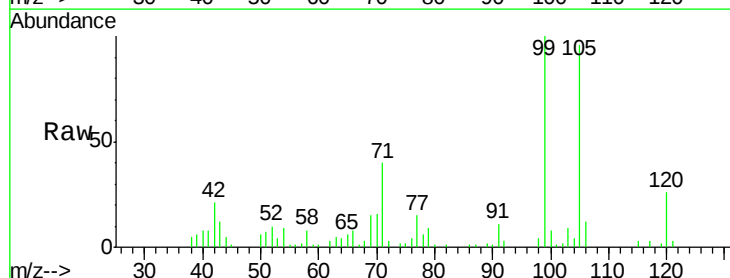
Tgt Ion: 77 Resp: 5255

Ion Ratio Lower Upper

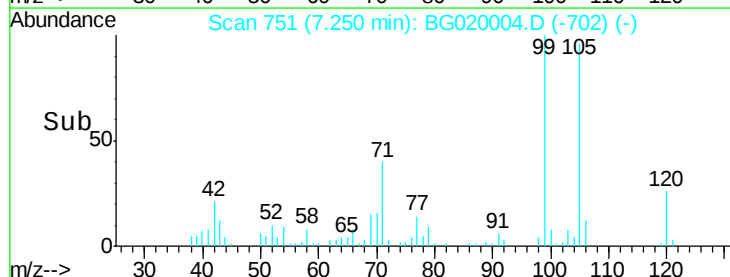
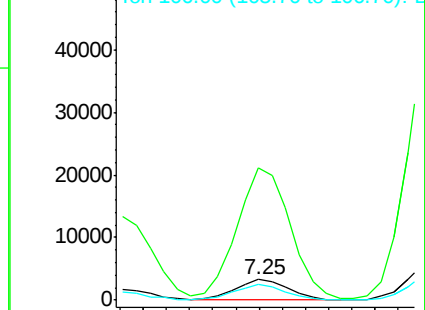
77 100

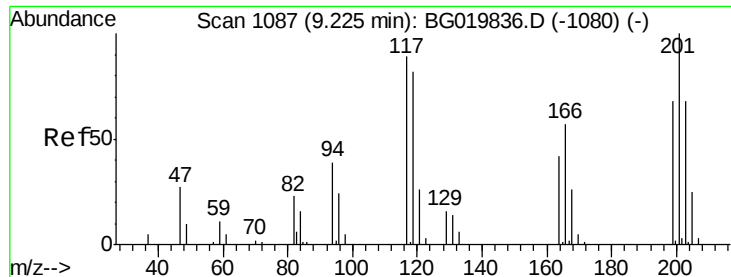
105 646.9 77.7 117.7#

106 78.5 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

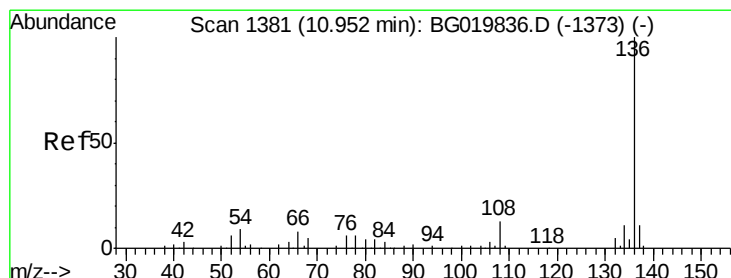
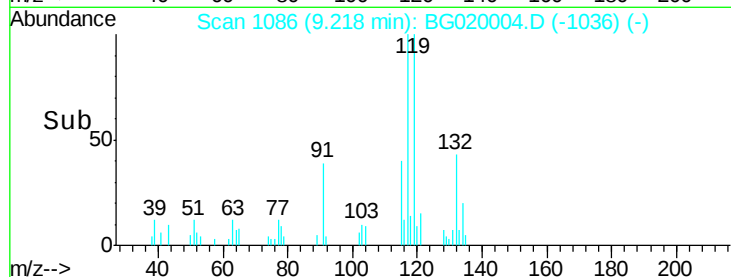
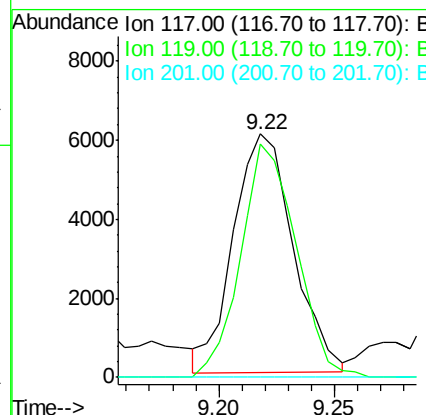
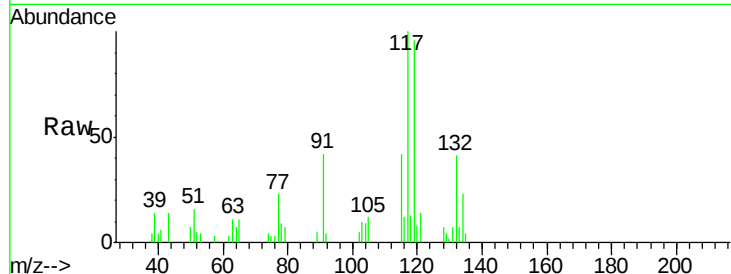




#18
Hexachloroethane
Concen: 19.33 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

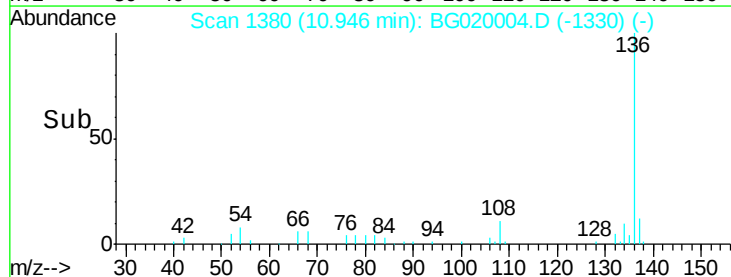
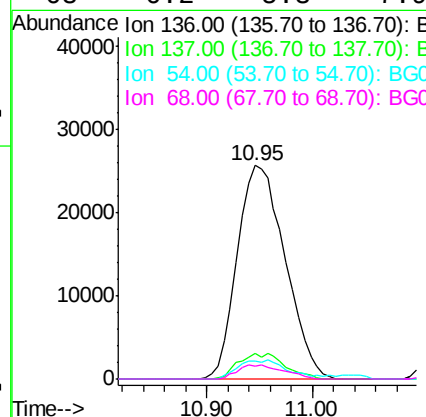
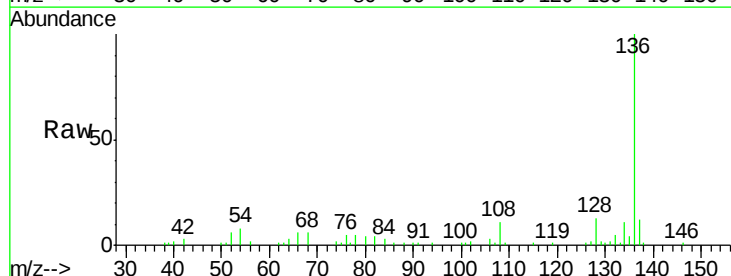
Instrument :
BNA_G
ClientSampled :
MW-14

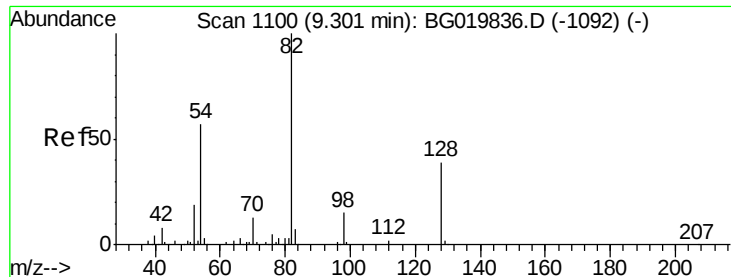
Tgt Ion:117 Resp: 10888
Ion Ratio Lower Upper
117 100
119 95.6 71.7 107.5
201 0.0 90.9 136.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

Tgt Ion:136 Resp: 80359
Ion Ratio Lower Upper
136 100
137 11.9 8.6 12.8
54 8.4 5.4 8.2#
68 6.2 5.3 7.9

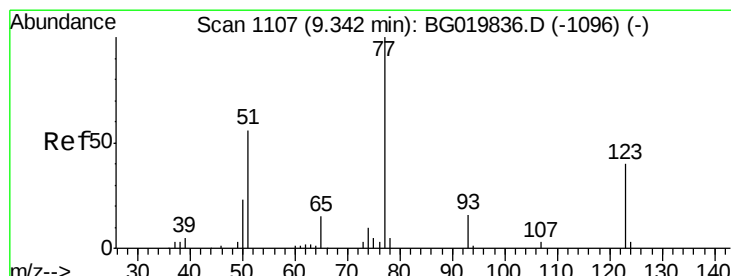
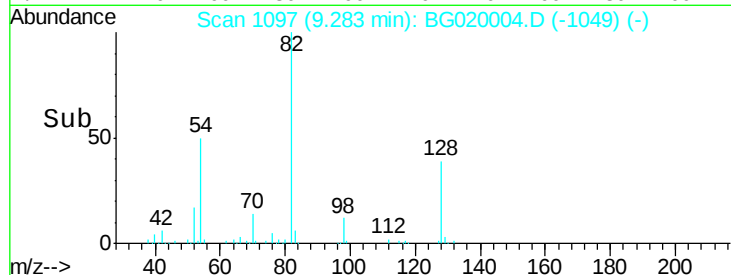
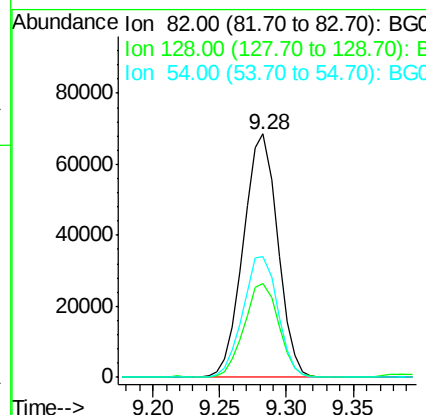
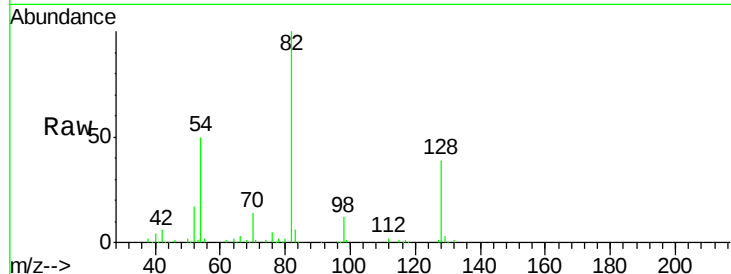




#23
 Nitrobenzene-d5
 Concen: 77.58 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

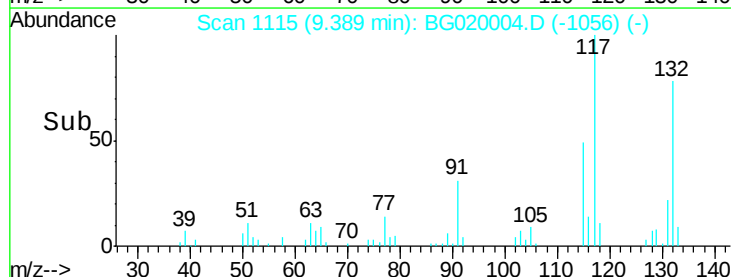
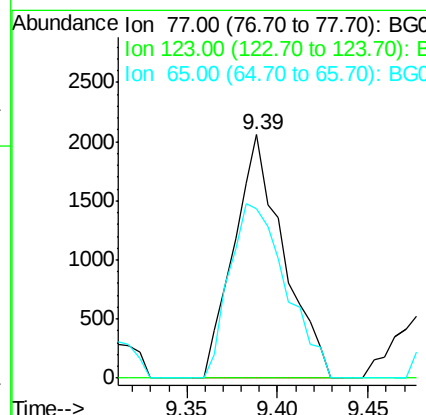
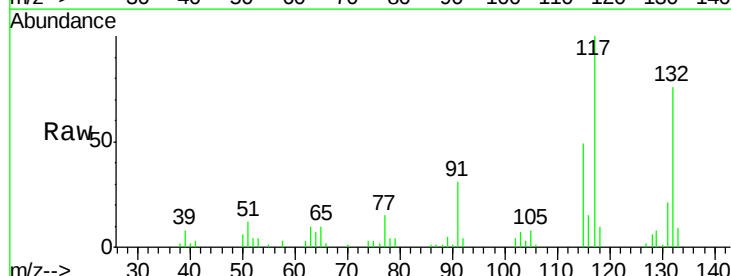
Instrument :
 BNA_G
 ClientSampleId :
 MW-14

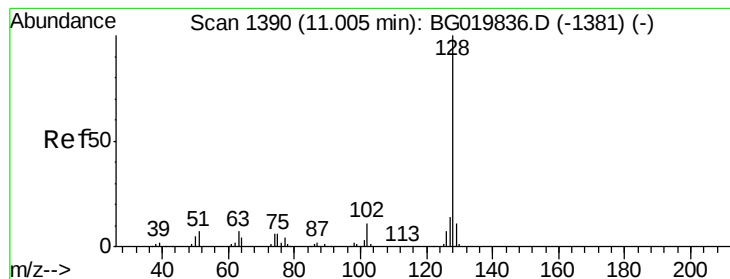
Tgt Ion: 82 Resp: 122152
 Ion Ratio Lower Upper
 82 100
 128 38.5 36.7 55.1
 54 49.8 33.8 50.8



#24
 Nitrobenzene
 Concen: 2.28 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.05 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Tgt Ion: 77 Resp: 3891
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.2 57.2#
 65 69.4 10.6 16.0#





#31

Naphthalene

Concen: 1464.59 ng

RT: 11.04 min Scan# 1396

Delta R.T. 0.03 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

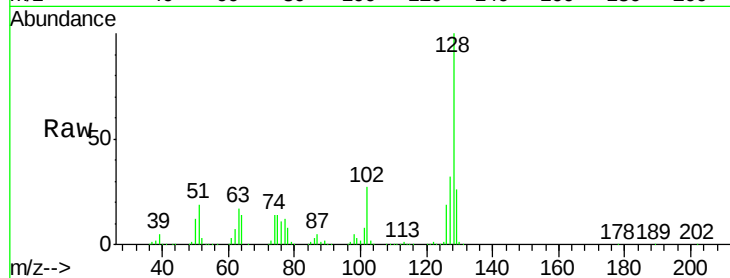
Tgt Ion:128 Resp: 6304959

Ion Ratio Lower Upper

128 100

129 26.2 8.5 12.7#

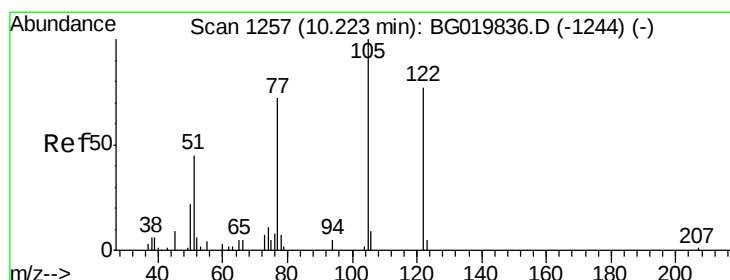
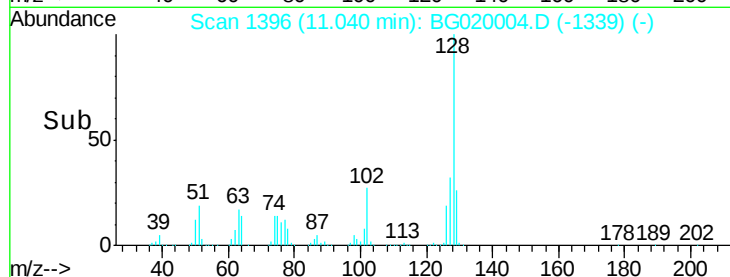
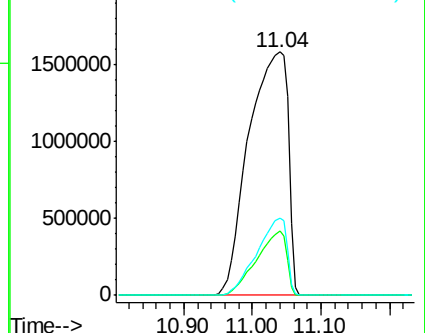
127 32.0 10.6 16.0#



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: 7.56 ng

RT: 10.14 min Scan# 1243

Delta R.T. -0.08 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

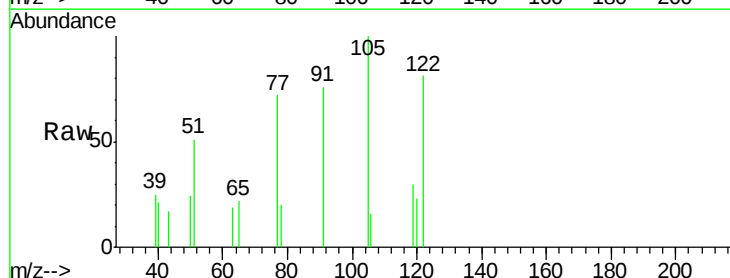
Tgt Ion:122 Resp: 1647

Ion Ratio Lower Upper

122 100

105 123.4 103.8 143.8

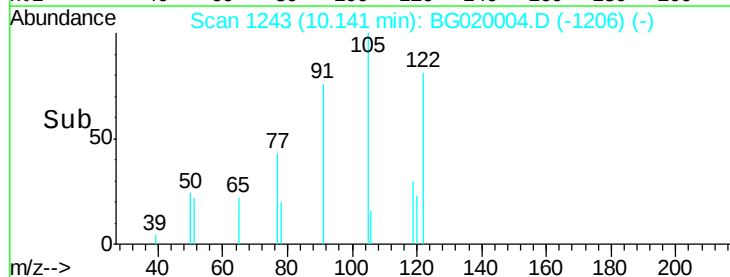
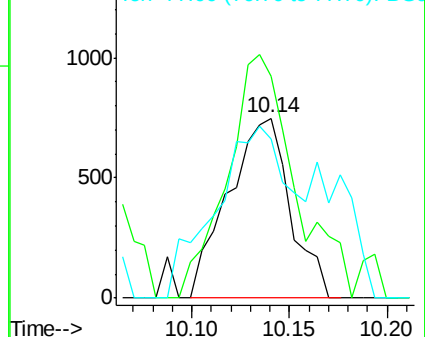
77 88.5 68.8 108.8

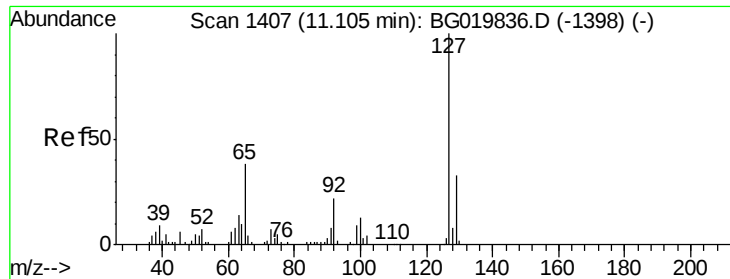


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

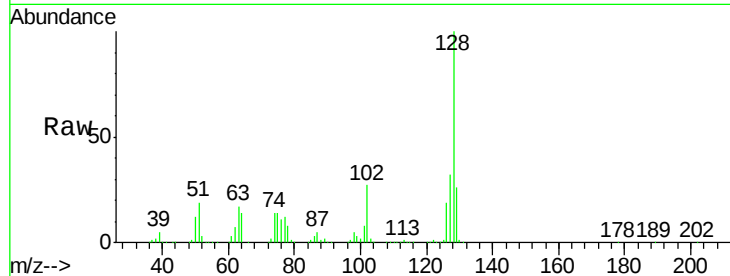




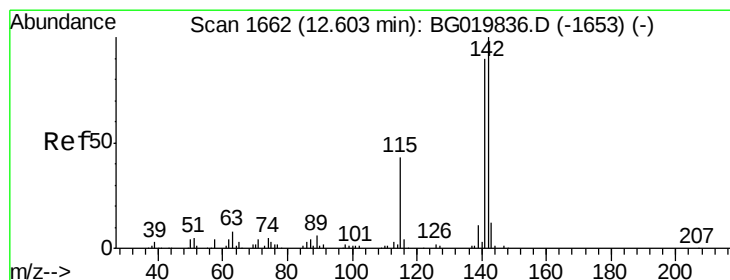
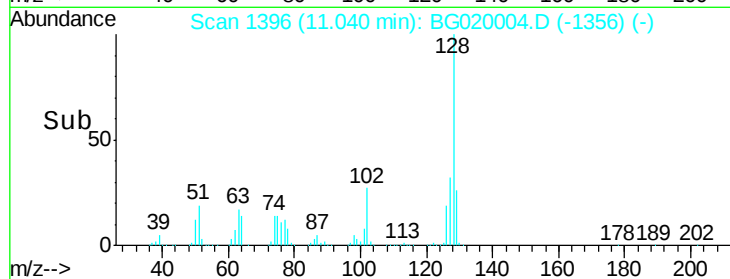
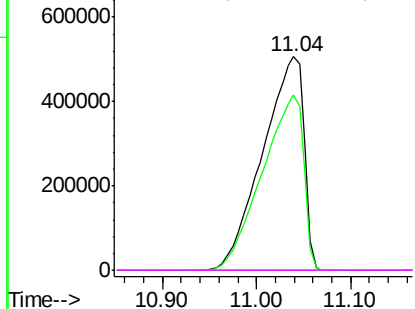
#33
 4-Chloroaniline
 Concen: 809.85 ng
 RT: 11.04 min Scan# 1396
 Delta R.T. -0.07 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Tgt Ion:127 Resp: 1536284
 Ion Ratio Lower Upper
 127 100
 129 82.1 24.6 37.0#
 65 0.0 22.6 33.8#
 92 0.0 15.1 22.7#

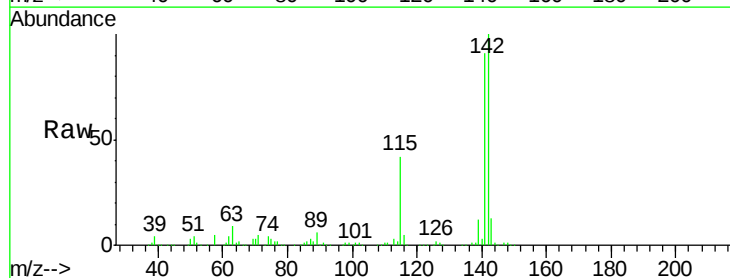


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 92.00 (91.70 to 92.70): BG

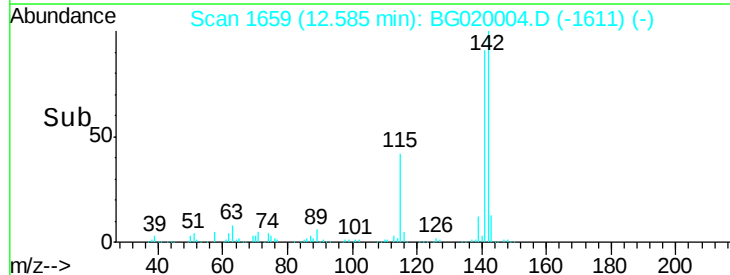
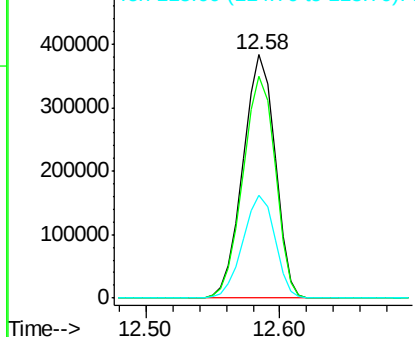


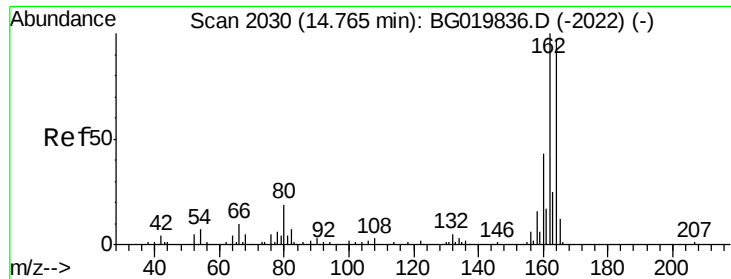
#37
 2-Methylnaphthalene
 Concen: 202.47 ng
 RT: 12.58 min Scan# 1659
 Delta R.T. -0.02 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Tgt Ion:142 Resp: 638775
 Ion Ratio Lower Upper
 142 100
 141 91.1 74.6 112.0
 115 42.2 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: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

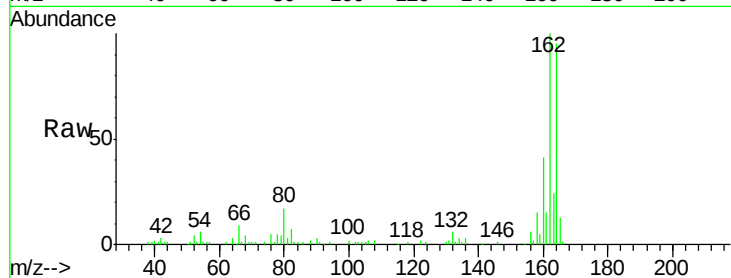
Tgt Ion:164 Resp: 54073

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

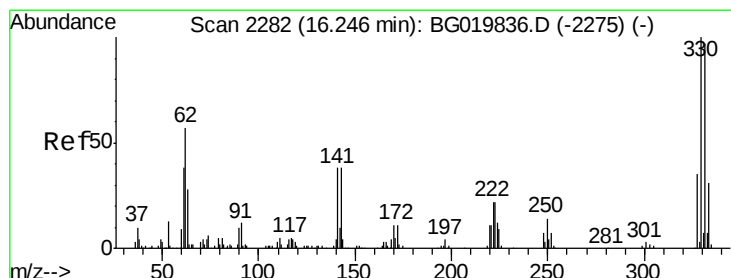
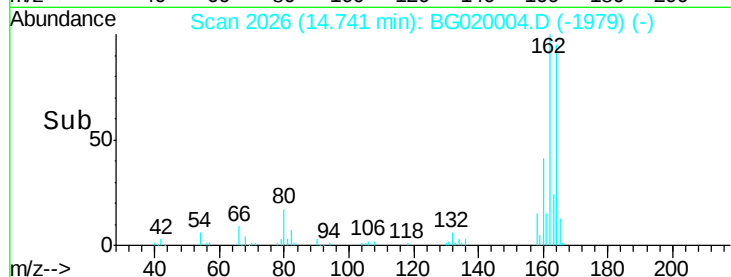
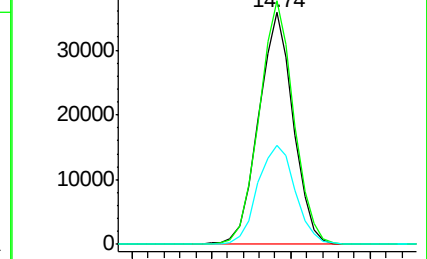
160 42.8 36.4 54.6



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: 117.76 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

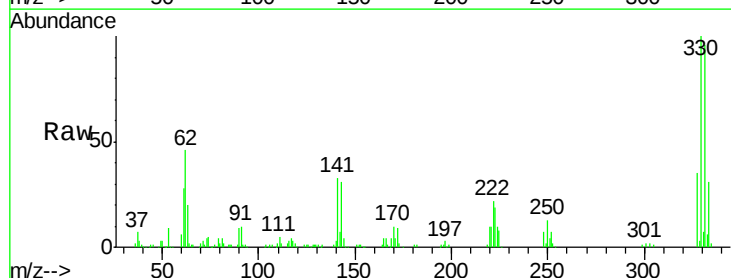
Tgt Ion:330 Resp: 97433

Ion Ratio Lower Upper

330 100

332 95.2 78.1 117.1

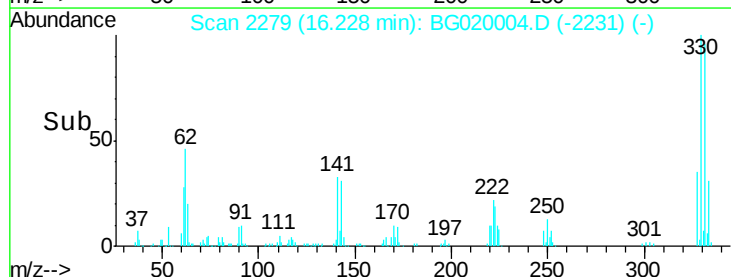
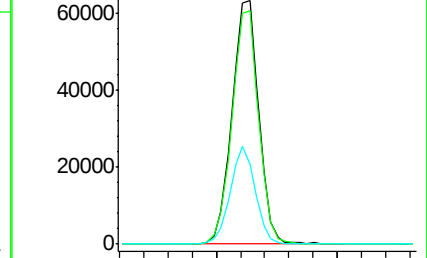
141 37.5 28.2 42.2

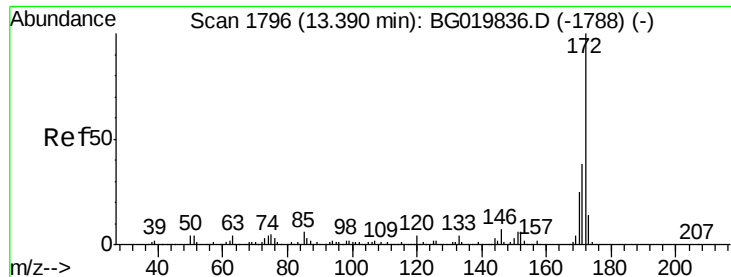


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

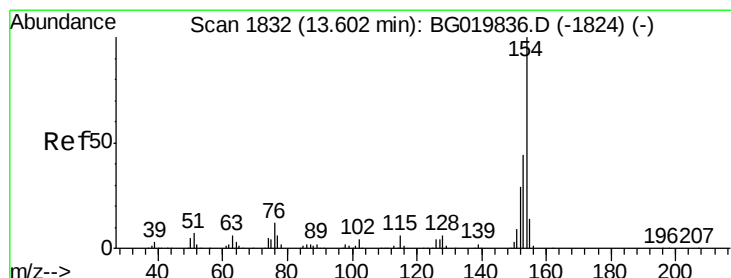
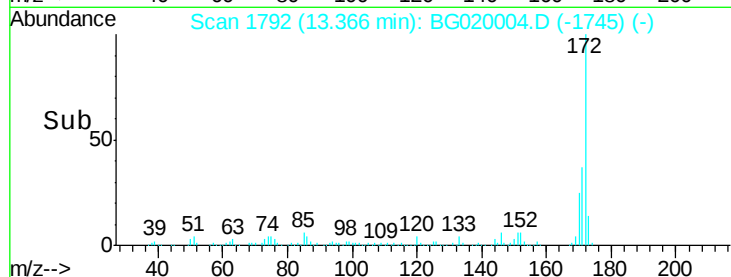
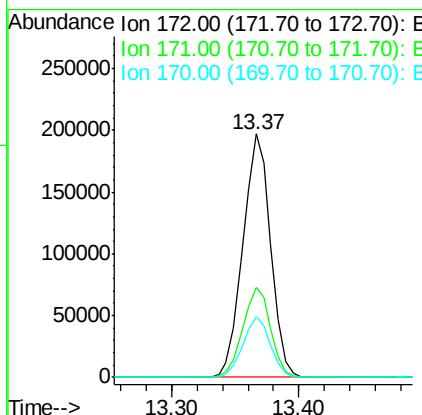
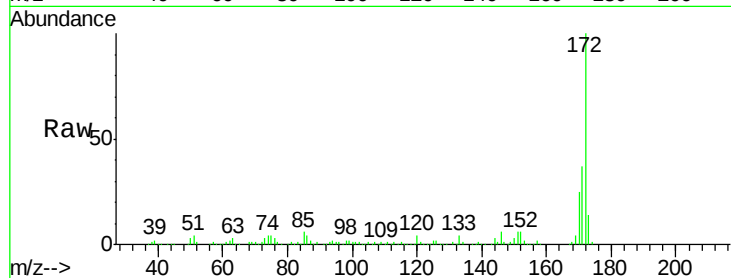




#44
2-Fluorobiphenyl
Concen: 75.28 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

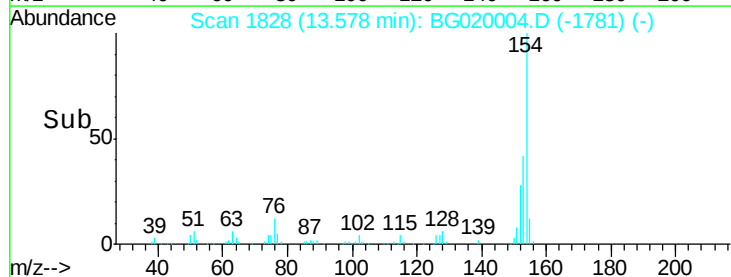
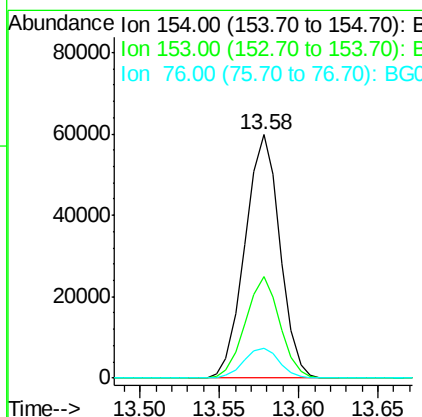
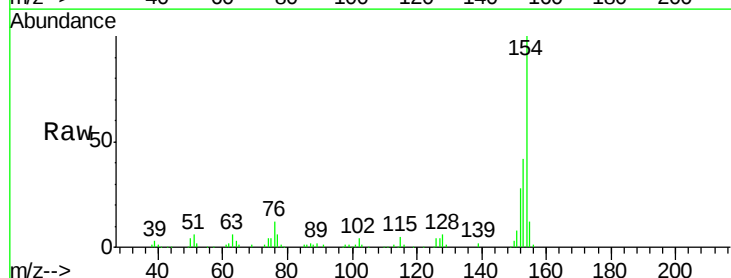
Instrument :
BNA_G
ClientSampleId :
MW-14

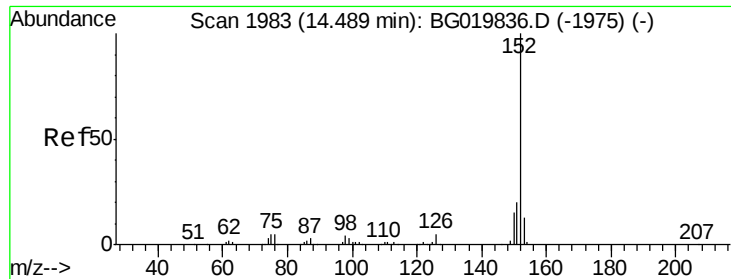
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	24.7	19.9	29.9



#45
1,1'-Biphenyl
Concen: 20.58 ng
RT: 13.58 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.9	61.9
76	12.0	0.0	33.2





#48

Acenaphthylene

Concen: 132.37 ng

RT: 14.47 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

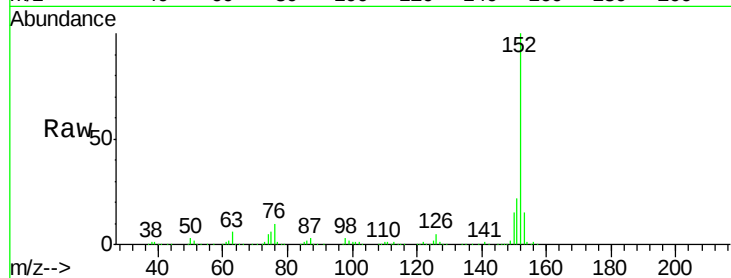
Tgt Ion:152 Resp: 771235

Ion Ratio Lower Upper

152 100

151 22.5 17.0 25.4

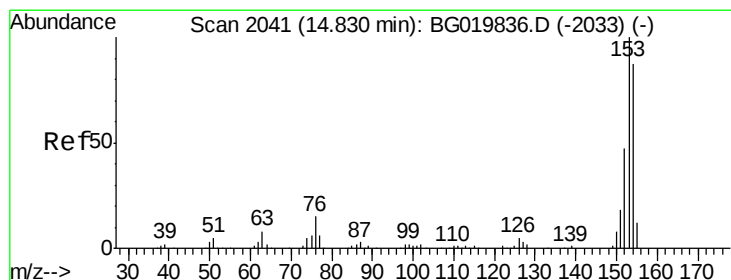
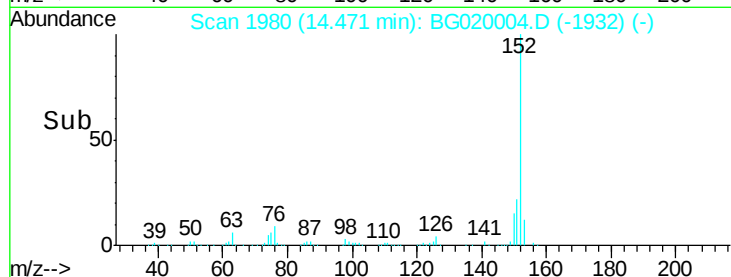
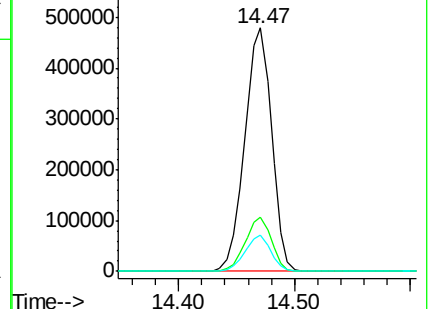
153 14.7 10.4 15.6



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: 6.40 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

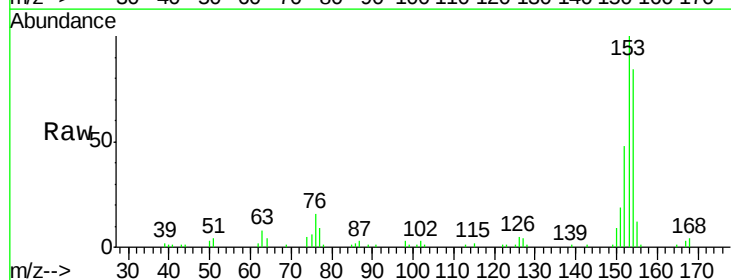
Tgt Ion:154 Resp: 22616

Ion Ratio Lower Upper

154 100

153 119.7 92.9 139.3

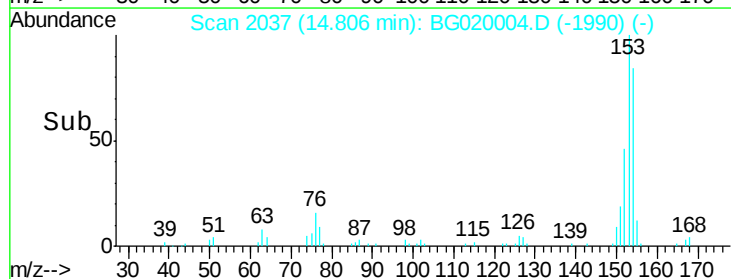
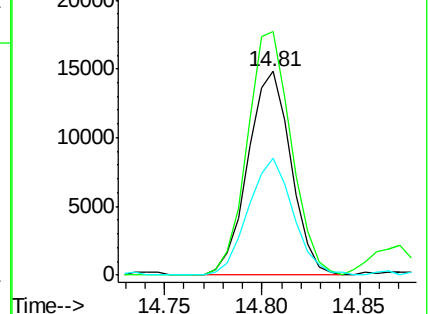
152 57.7 45.8 68.8

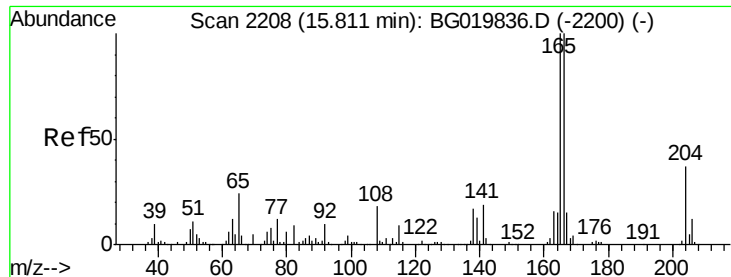


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 11.82 ng

RT: 15.78 min Scan# 2203

Delta R.T. -0.03 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

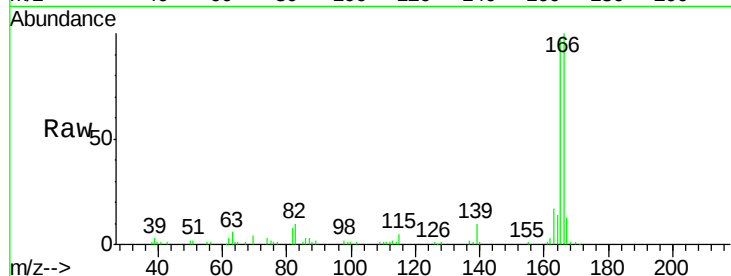
Tgt Ion:166 Resp: 55656

Ion Ratio Lower Upper

166 100

165 96.5 80.0 120.0

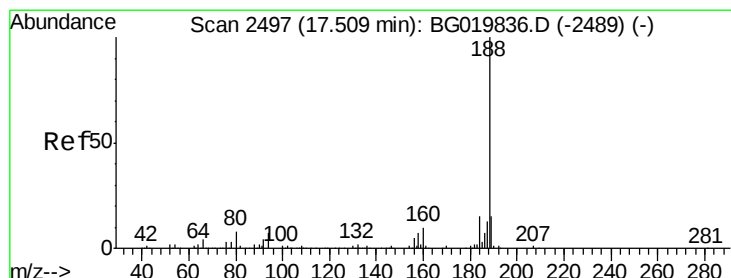
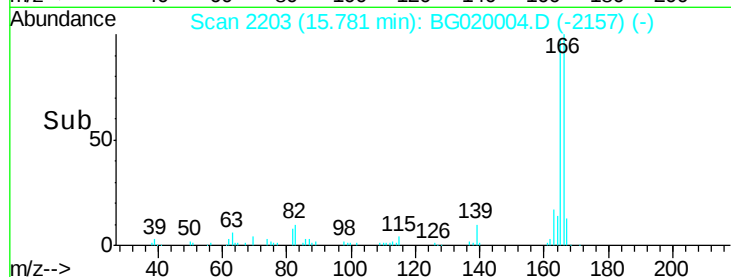
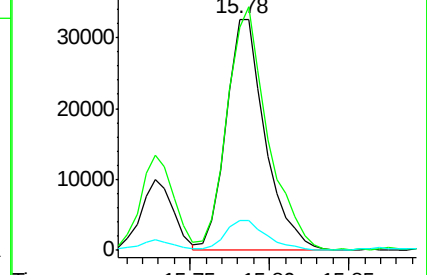
167 13.0 11.1 16.7



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: 17.48 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

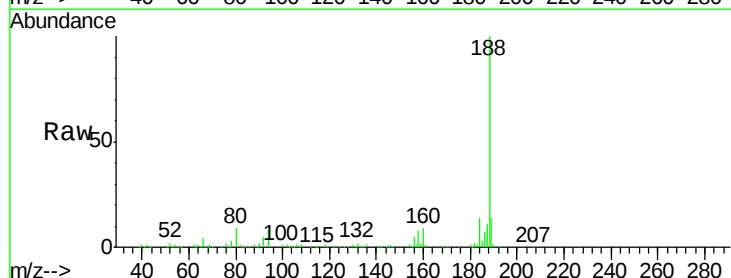
Tgt Ion:188 Resp: 136584

Ion Ratio Lower Upper

188 100

94 7.8 7.7 11.5

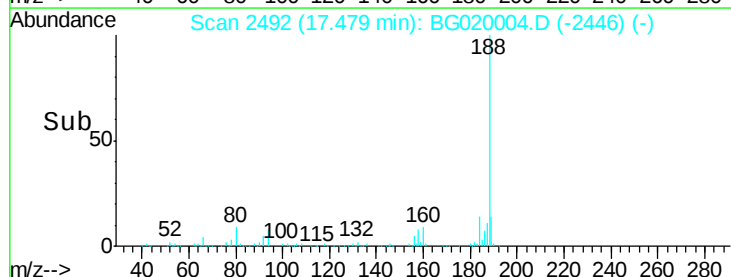
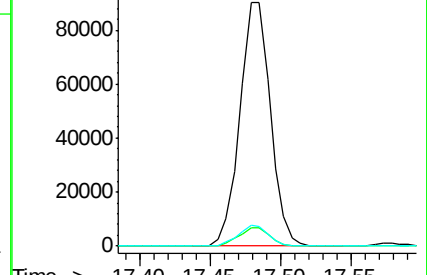
80 8.6 7.8 11.8

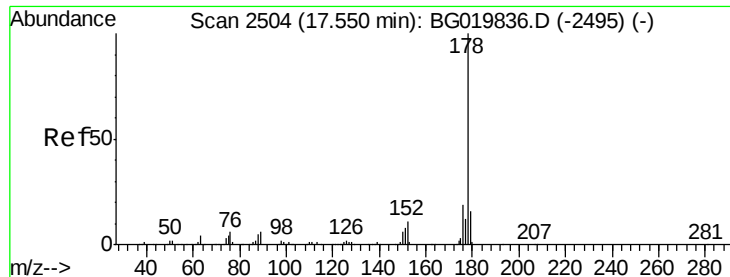


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 20.13 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampled :

MW-14

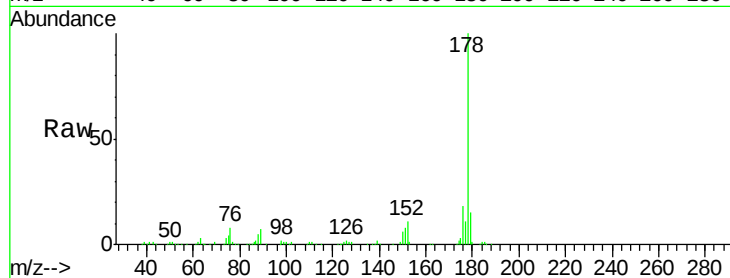
Tgt Ion:178 Resp: 155524

Ion Ratio Lower Upper

178 100

176 18.1 16.7 25.1

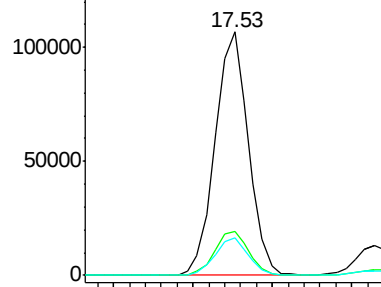
179 15.4 13.9 20.9



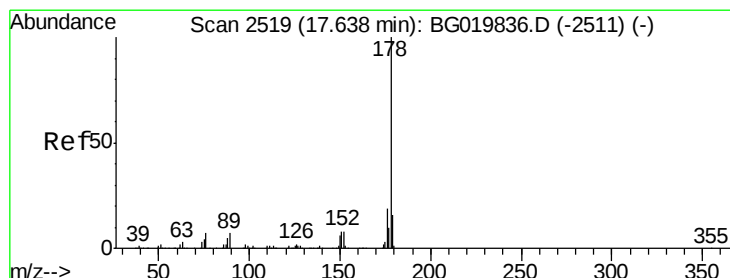
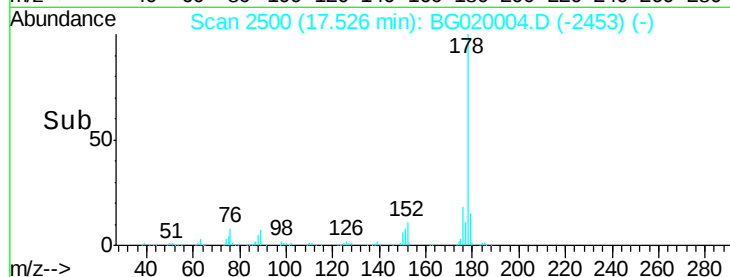
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 2.62 ng

RT: 17.61 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

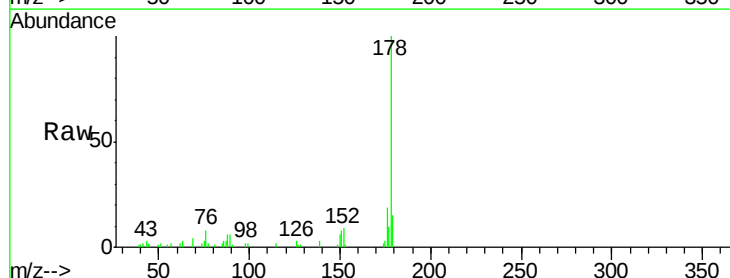
Tgt Ion:178 Resp: 20644

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

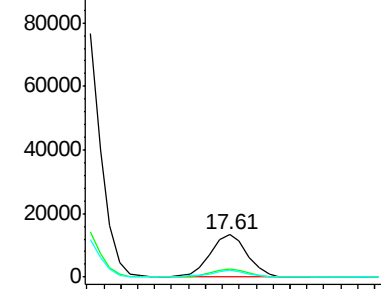
179 14.8 13.9 20.9



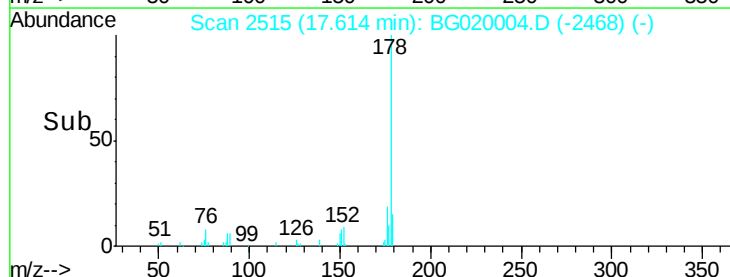
Abundance Ion 178.00 (177.70 to 178.70): E

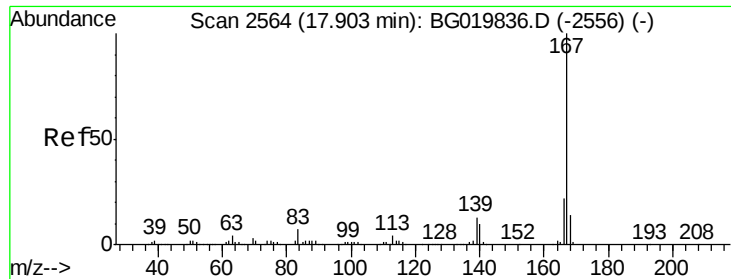
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 2.86 ng

RT: 17.88 min Scan# 2560

Delta R.T. -0.02 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

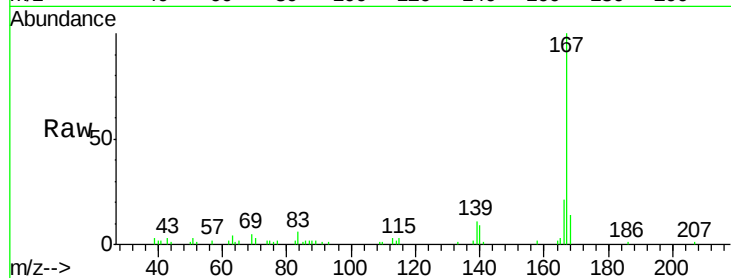
Tgt Ion:167 Resp: 19836

Ion Ratio Lower Upper

167 100

166 20.7 19.0 28.6

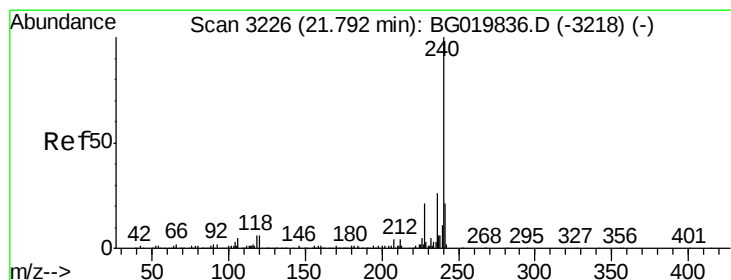
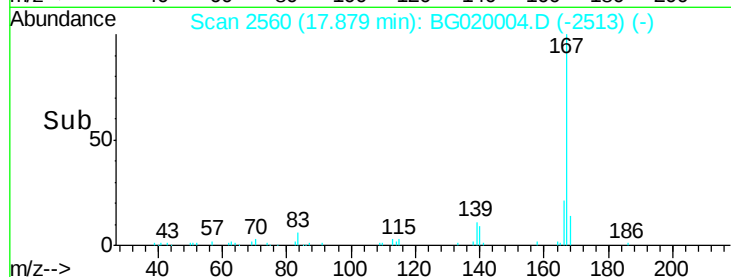
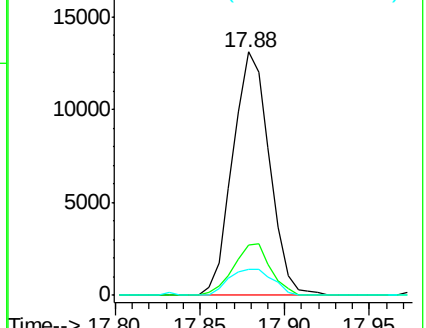
139 10.5 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.04 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

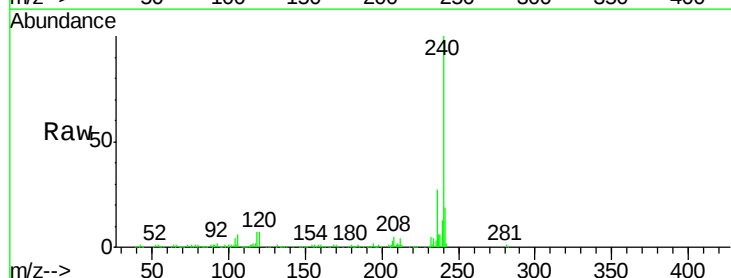
Tgt Ion:240 Resp: 164579

Ion Ratio Lower Upper

240 100

120 6.8 7.4 11.0#

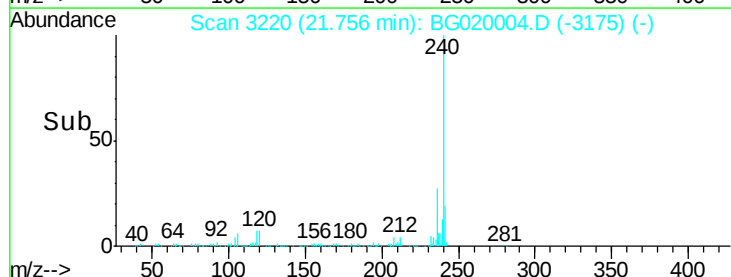
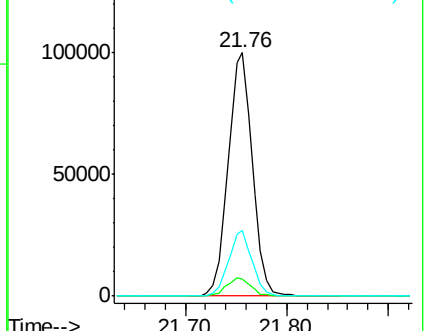
236 26.8 20.7 31.1

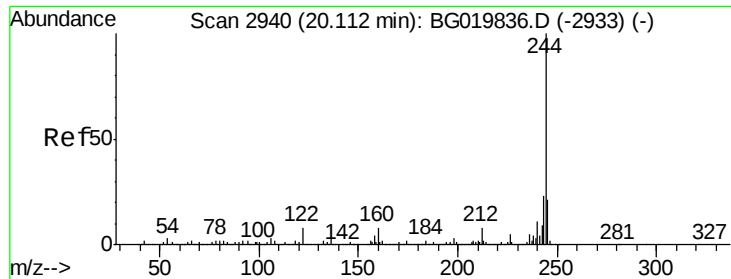


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.23 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

Instrument :

BNA_G

ClientSampleId :

MW-14

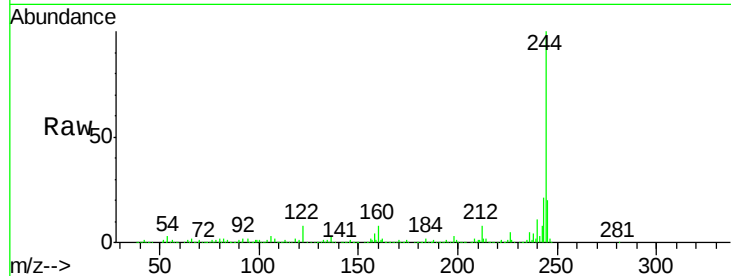
Tgt Ion:244 Resp: 541320

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

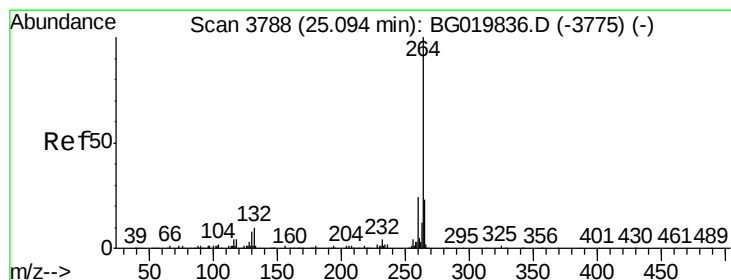
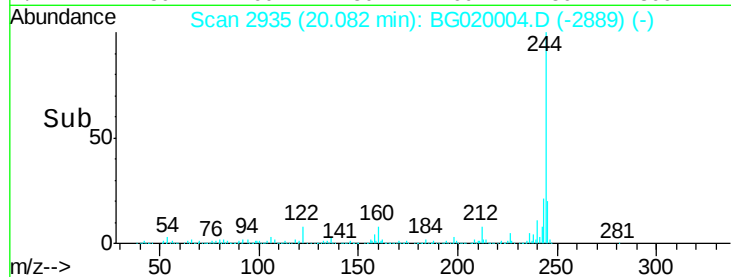
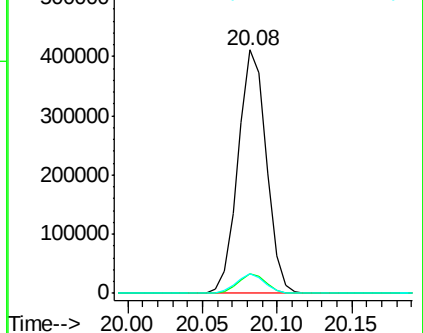
122 8.1 10.2 15.2#



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: 25.03 min Scan# 3778

Delta R.T. -0.06 min

Lab File: BG020004.D

Acq: 8 Dec 2015 5:55

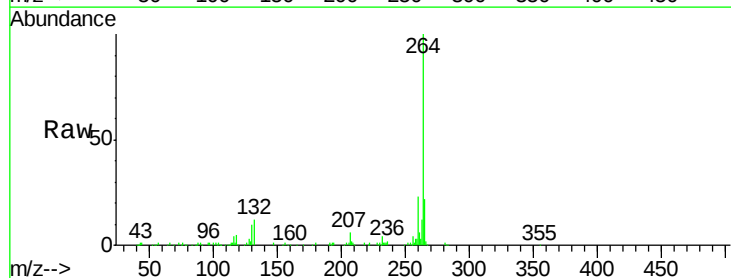
Tgt Ion:264 Resp: 155915

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.8 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

