

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 07:03:28 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

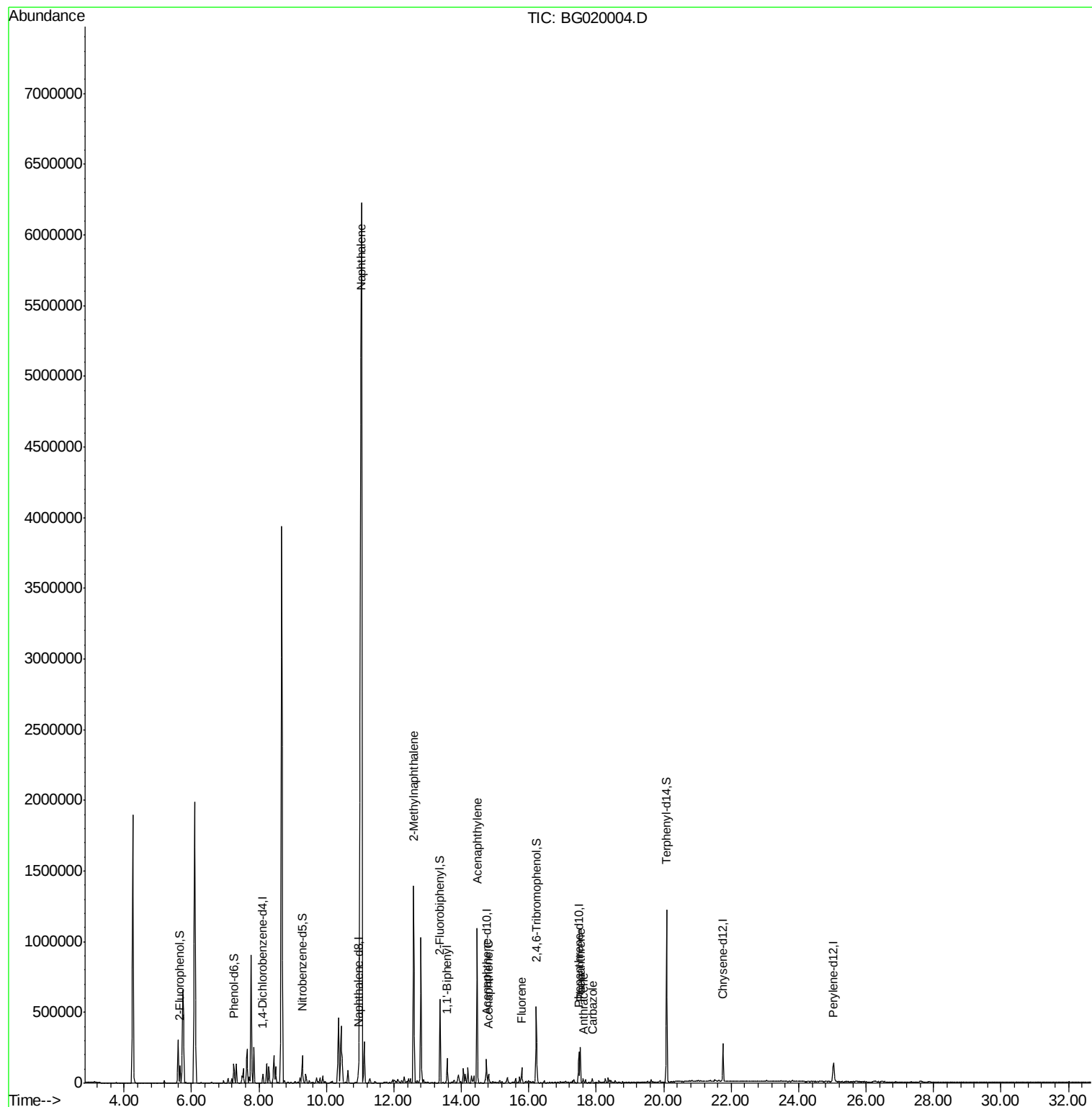
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.04	128	6304959	1464.59	ng	# 56
37) 2-Methylnaphthalene	12.58	142	638775	202.47	ng	# 95
45) 1,1'-Biphenyl	13.58	154	91337	20.58	ng	99
48) Acenaphthylene	14.47	152	771235	132.37	ng	97
51) Acenaphthene	14.81	154	22616	6.40	ng	98
57) 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

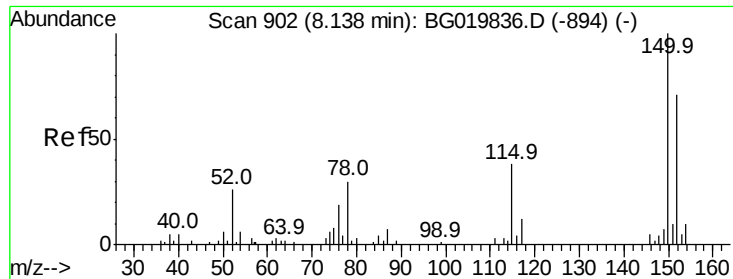
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

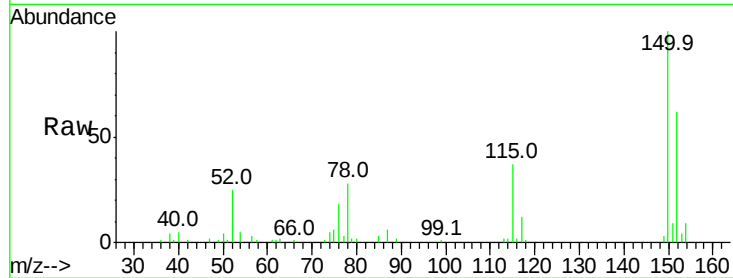
Tot Ion:152 Resp: 19046

Ion Ratio Lower Upper

152 100

150 160.8 115.0 172.4

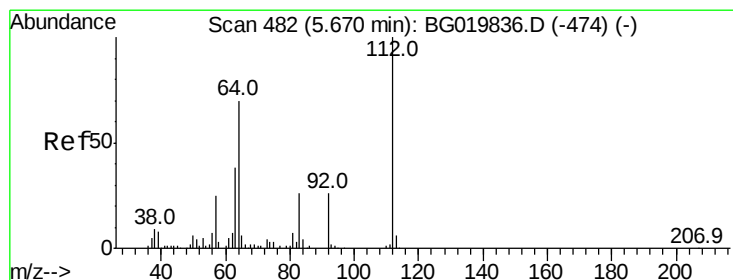
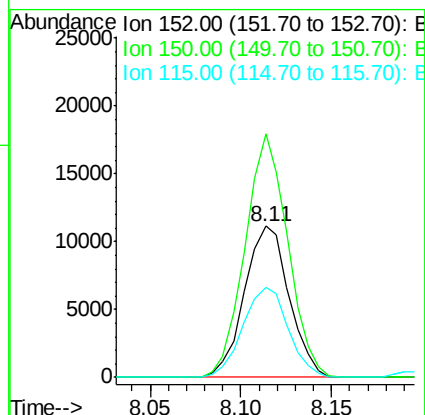
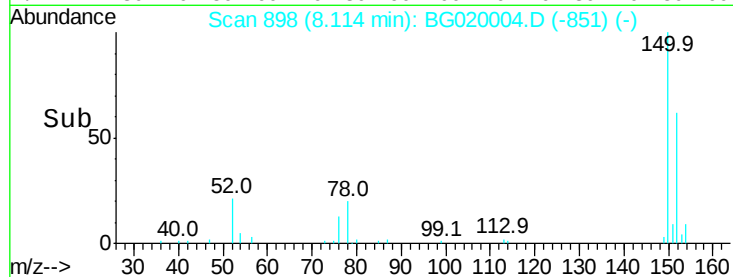
115 59.5 43.9 65.9



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

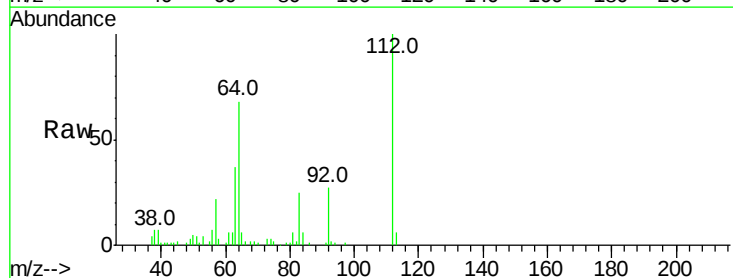
Tgt Ion:112 Resp: 51563

Ion Ratio Lower Upper

112 100

64 68.3 43.7 65.5#

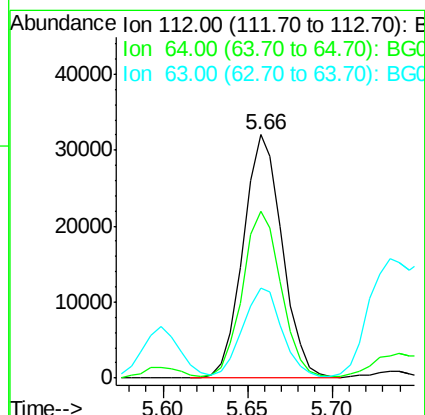
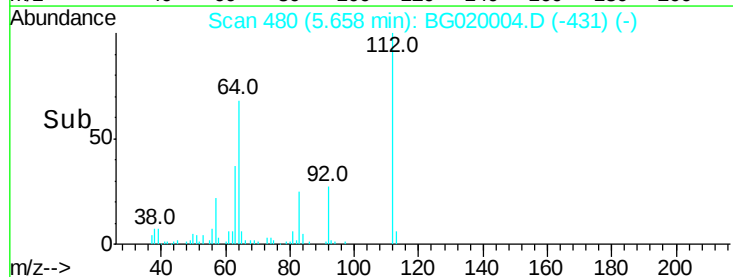
63 36.9 24.0 36.0#

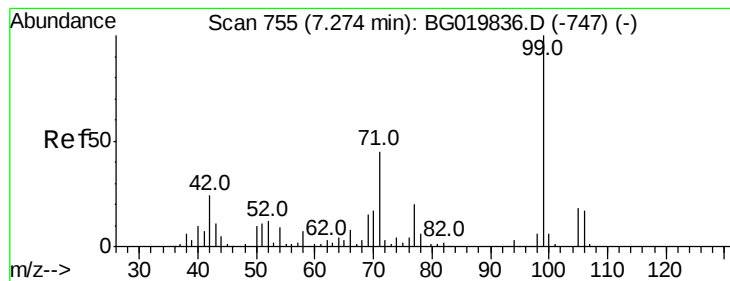


Abundance Ion 112.00 (111.70 to 112.70): E

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

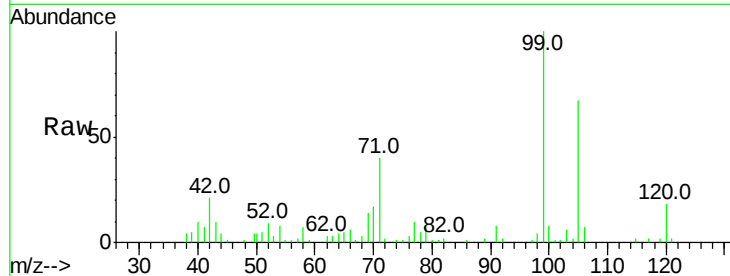
Tot Ion: 99 Resp: 50933

Ion Ratio Lower Upper

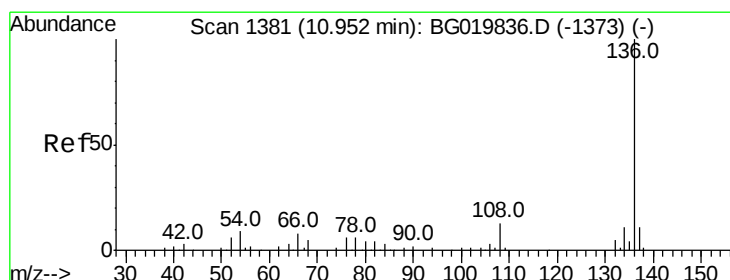
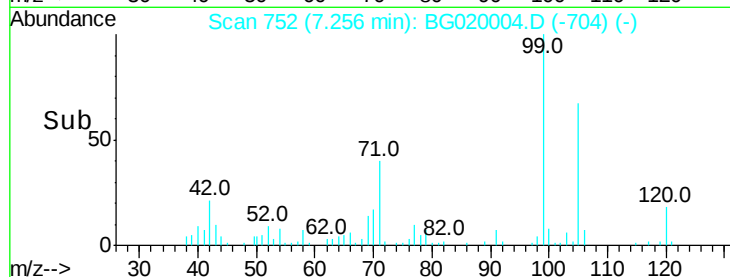
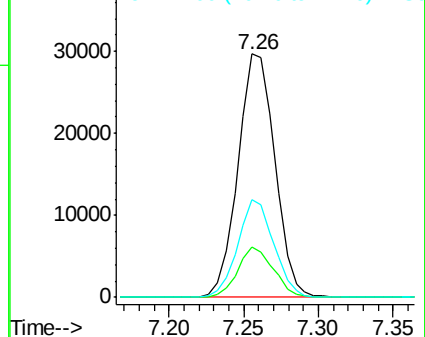
99 100

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



#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

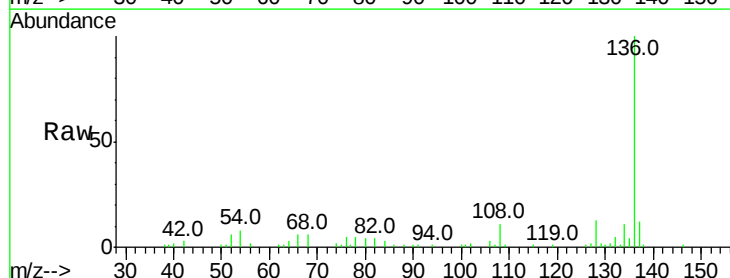
Ion Ratio Lower Upper

136 100

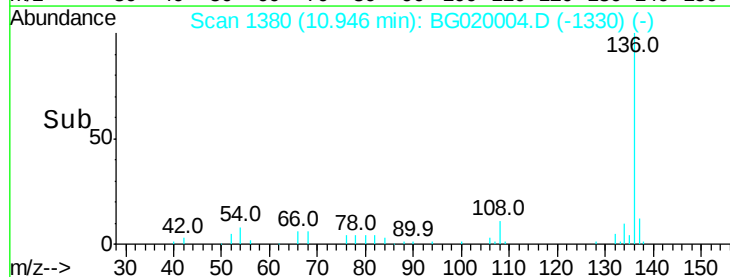
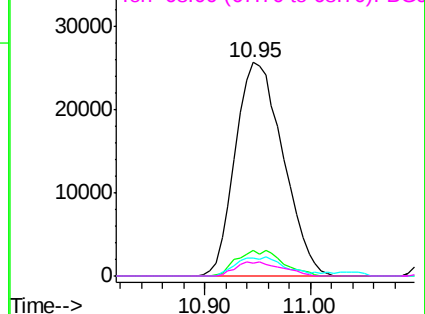
137 11.9 8.6 12.8

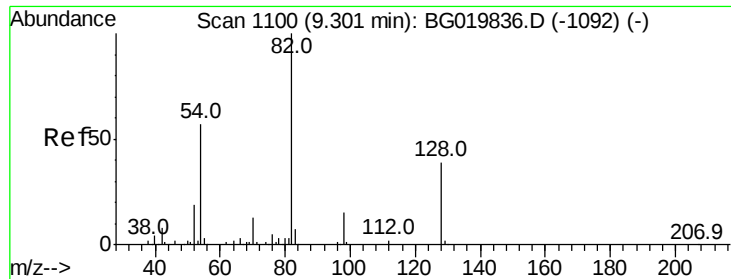
54 8.4 5.4 8.2#

68 6.2 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

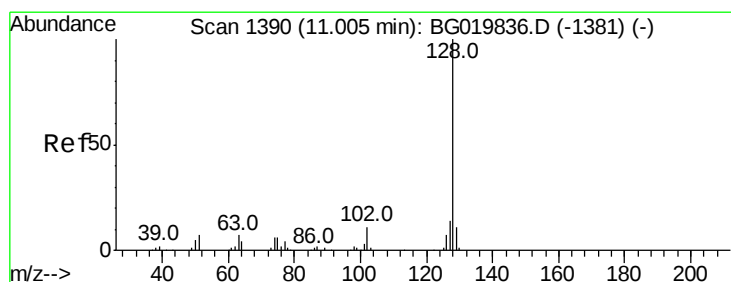
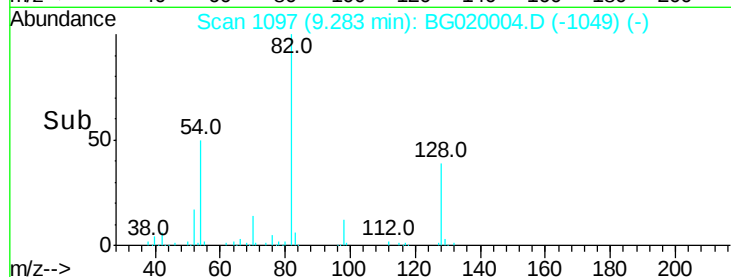
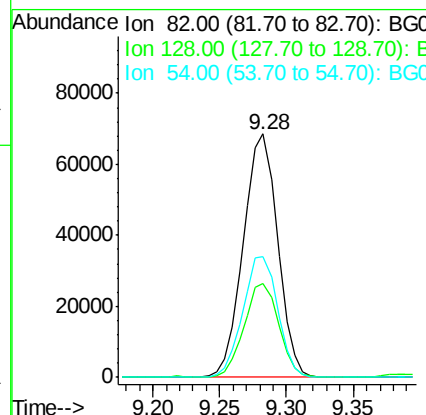
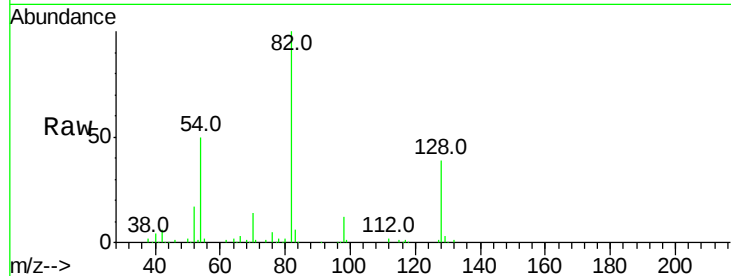




#23
Nitrobenzene-d5
Concen: 77.58 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.02 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

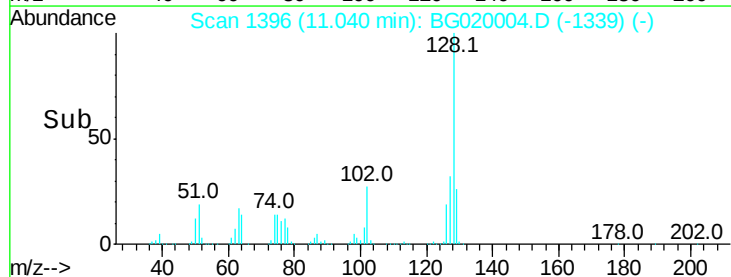
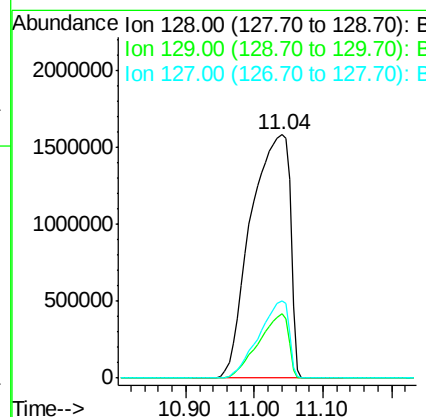
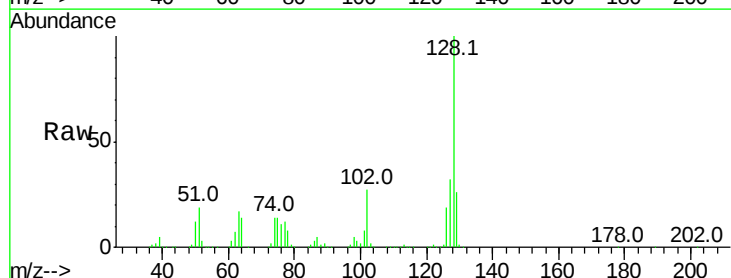
Instrument :
BNA_G
ClientSampleId :
MW-14

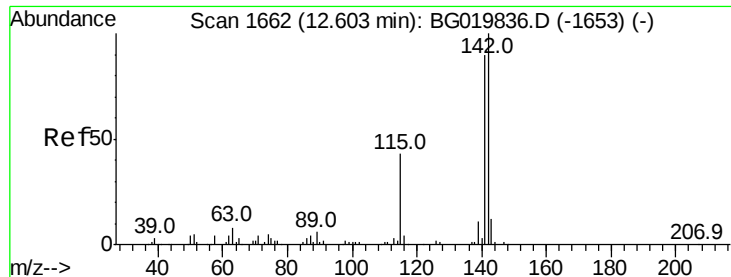
Tot Ion: 82 Resp: 122152
Ion Ratio Lower Upper
82 100
128 38.5 36.7 55.1
54 49.8 33.8 50.8



#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

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#

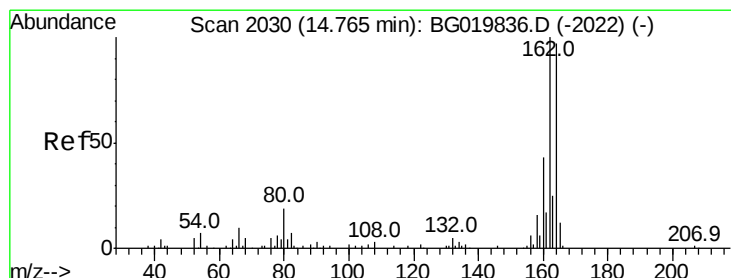
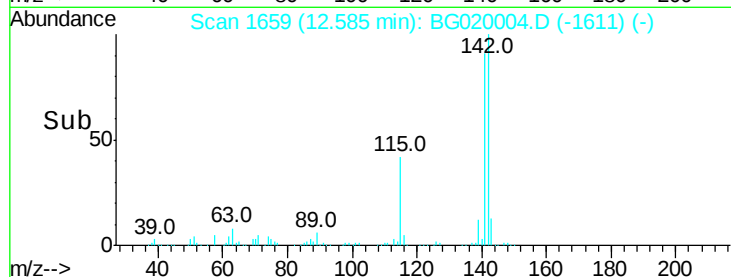
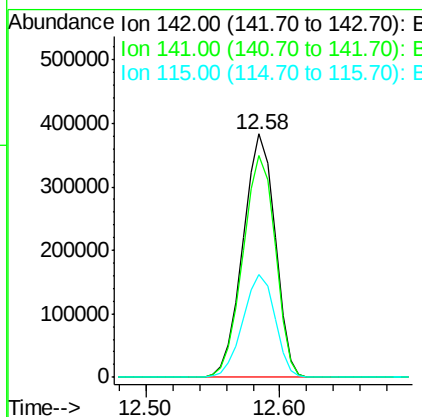
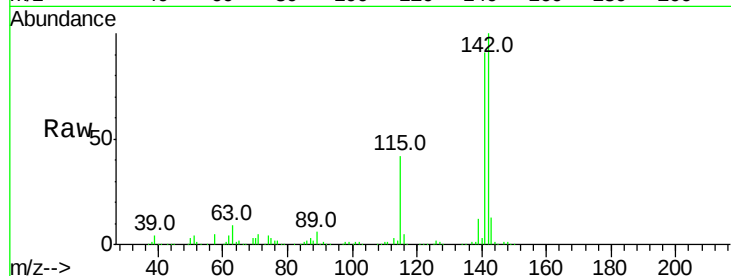




#37
2-Methylnaphthalene
Concen: 202.47 ng
RT: 12.58 min Scan# 1659
Delta R.T. -0.02 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

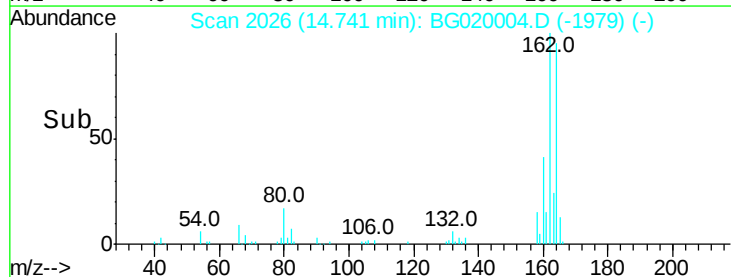
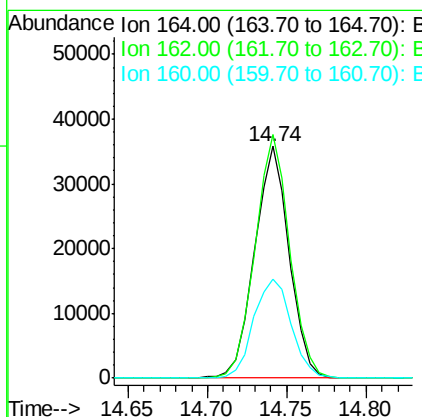
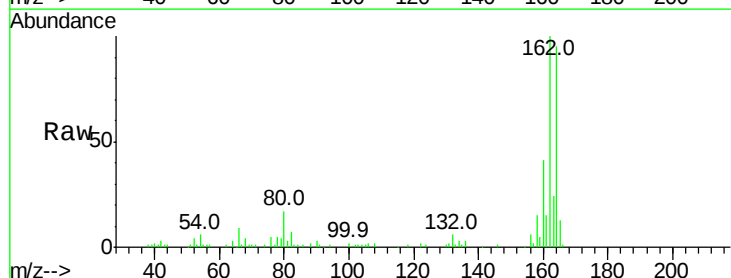
Instrument :
BNA_G
ClientSampled :
MW-14

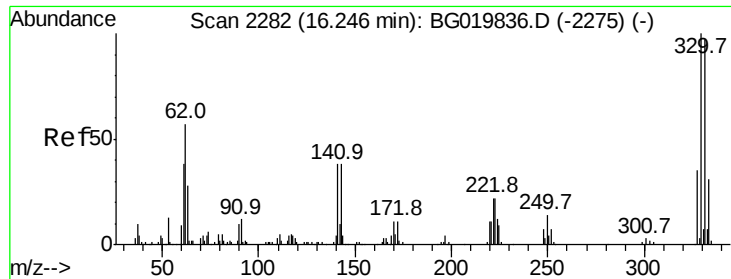
Tot Ion:142 Resp: 638775
Ion Ratio Lower Upper
142 100
141 91.1 74.6 112.0
115 42.2 27.4 41.0#



#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

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

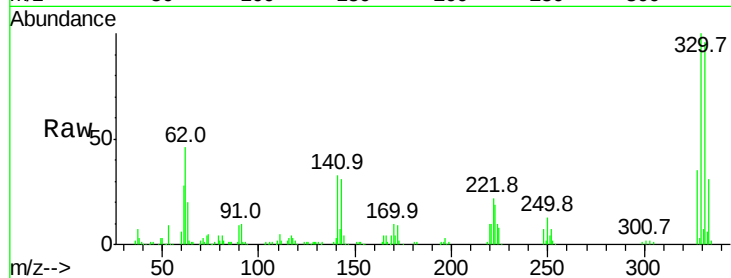




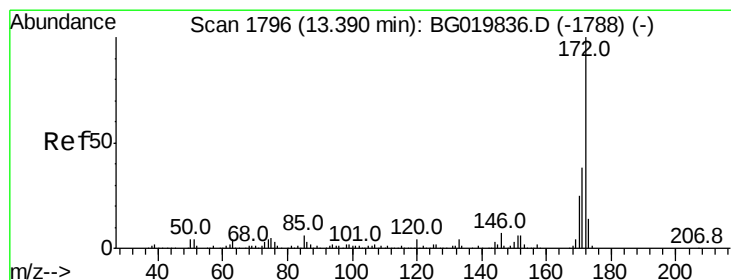
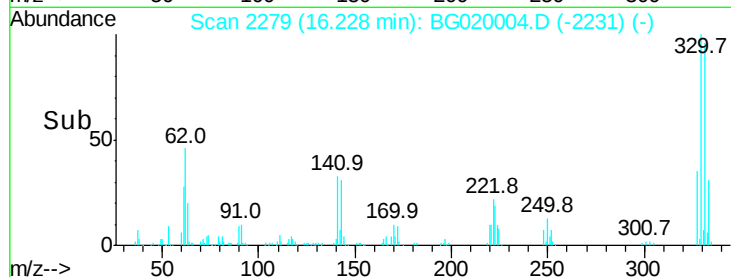
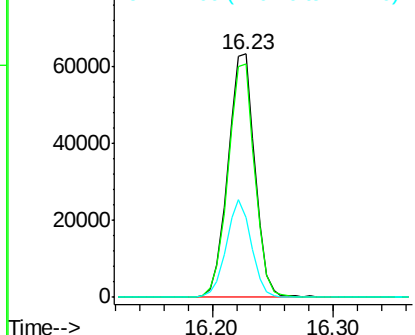
#41
 2,4,6-Tribromophenol
 Concen: 117.76 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Tot Ion:330 Resp: 97433
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.1 117.1
 141 37.5 28.2 42.2

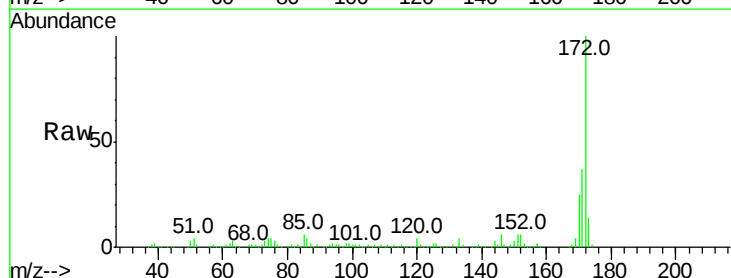


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

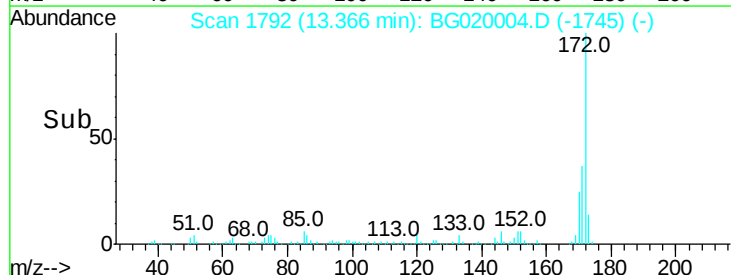
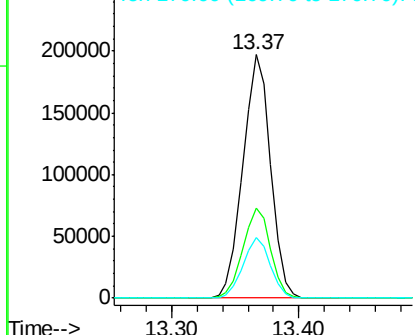


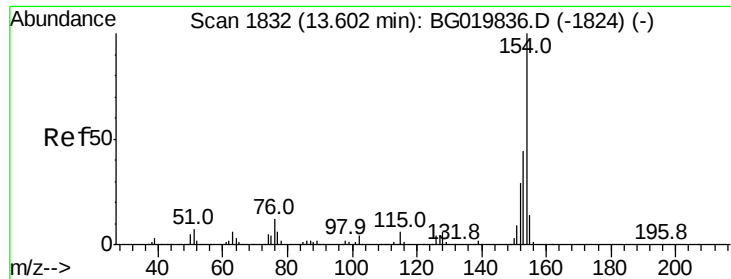
#44
 2-Fluorobiphenyl
 Concen: 75.28 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Tgt Ion:172 Resp: 298131
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 24.7 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: 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

Instrument :

BNA_G

ClientSampleId :

MW-14

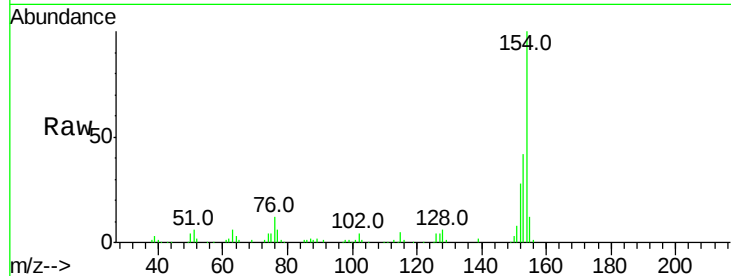
Tot Ion:154 Resp: 91337

Ion Ratio Lower Upper

154 100

153 41.7 21.9 61.9

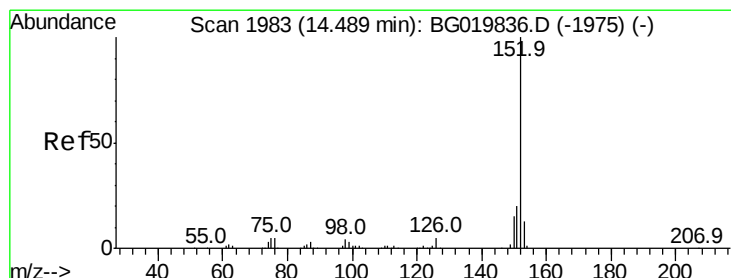
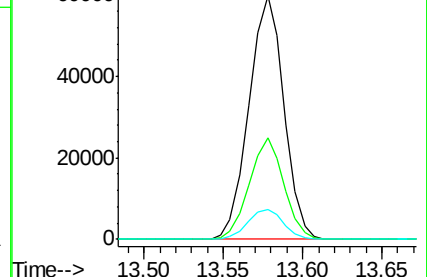
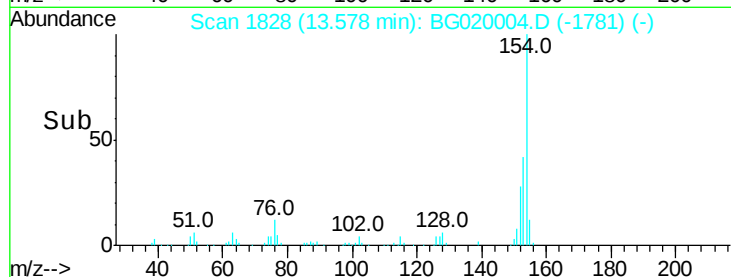
76 12.0 0.0 33.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#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

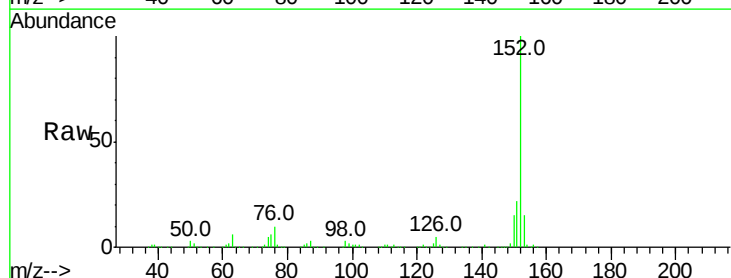
Tgt Ion:152 Resp: 771235

Ion Ratio Lower Upper

152 100

151 22.5 17.0 25.4

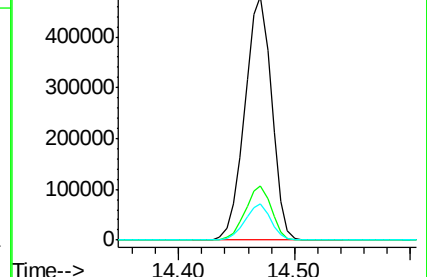
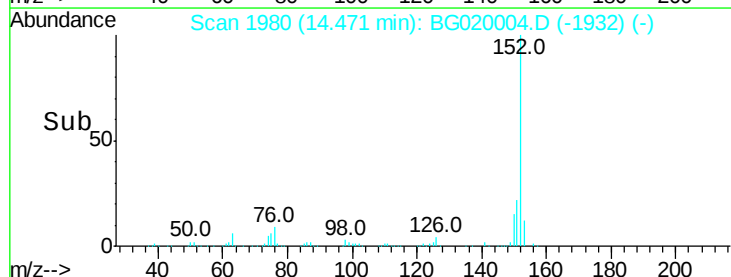
153 14.7 10.4 15.6

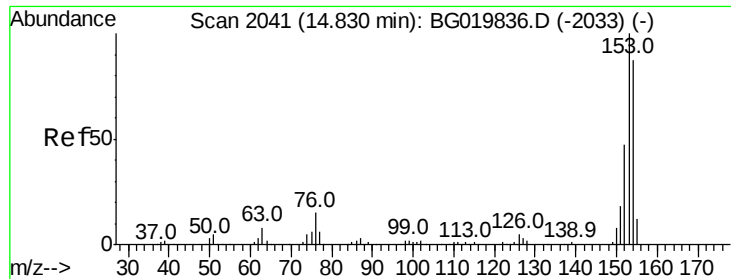


Abundance Ion 152.00 (151.70 to 152.70): E

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

Instrument :

BNA_G

ClientSampleId :

MW-14

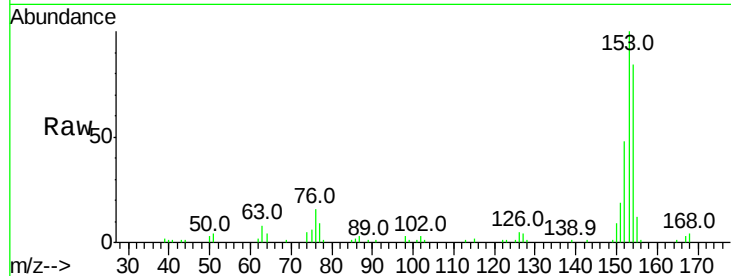
Tot Ion:154 Resp: 22616

Ion Ratio Lower Upper

154 100

153 119.7 92.9 139.3

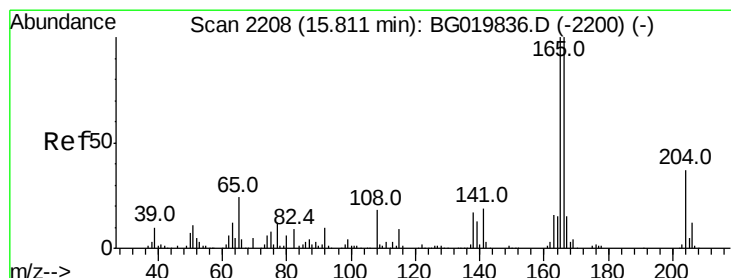
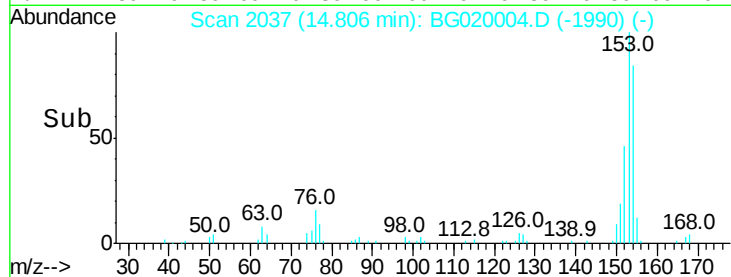
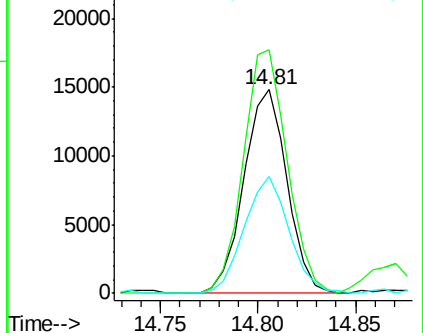
152 57.7 45.8 68.8



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

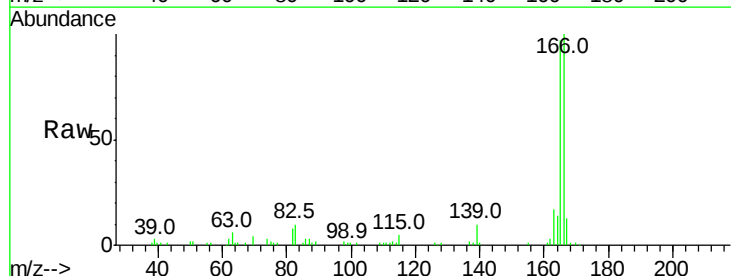
Tgt Ion:166 Resp: 55656

Ion Ratio Lower Upper

166 100

165 96.5 80.0 120.0

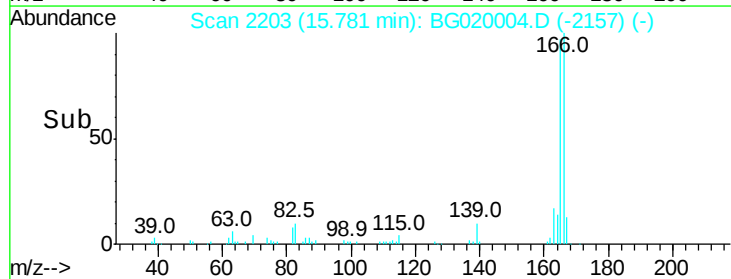
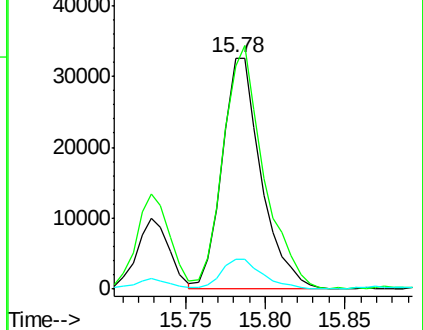
167 13.0 11.1 16.7

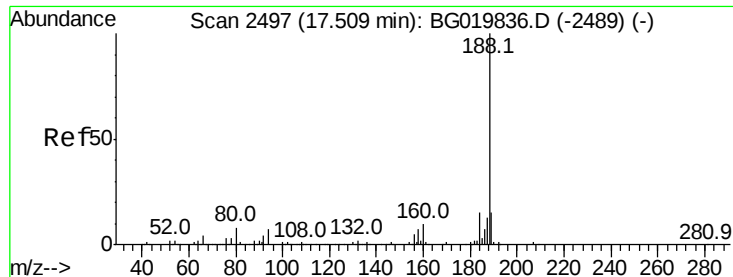


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

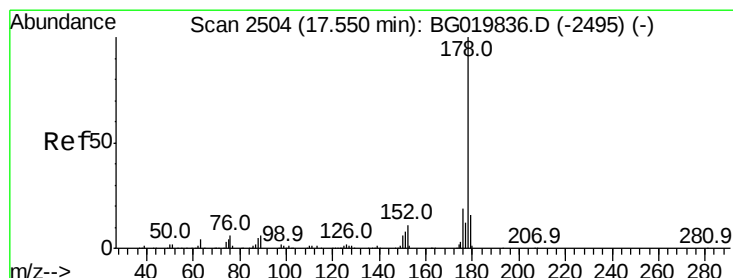
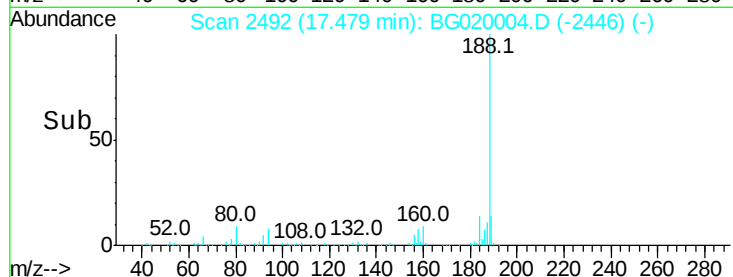
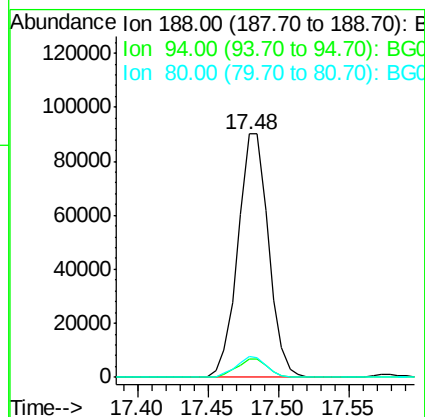
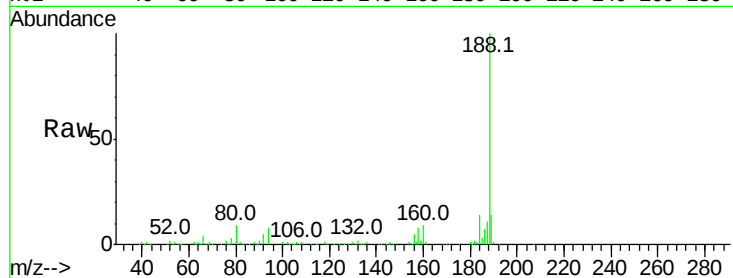




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020004.D
Acq: 8 Dec 2015 5:55

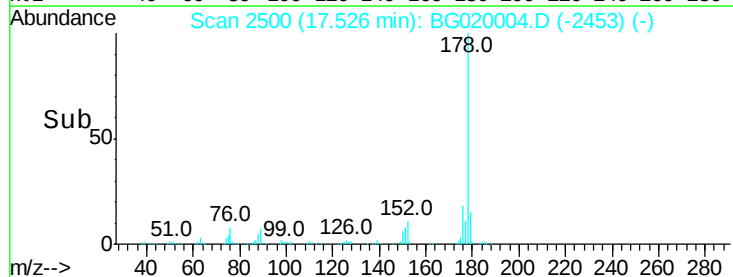
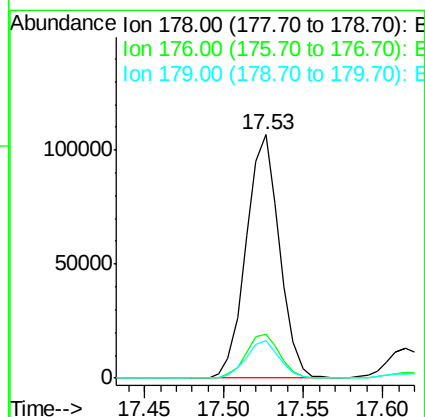
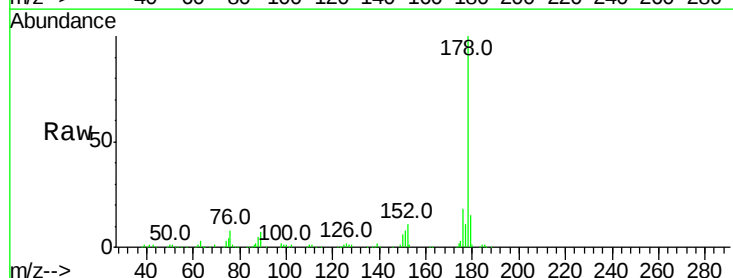
Instrument :
BNA_G
ClientSampleId :
MW-14

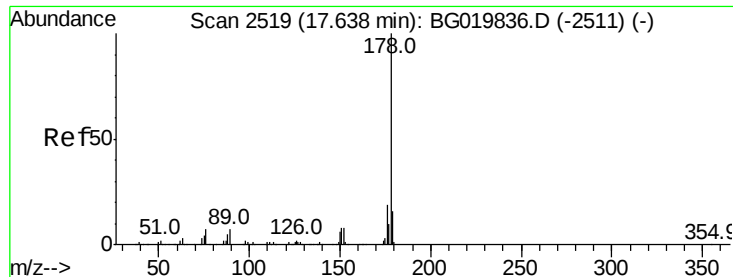
Tot Ion:188 Resp: 136584
Ion Ratio Lower Upper
188 100
94 7.8 7.7 11.5
80 8.6 7.8 11.8



#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

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

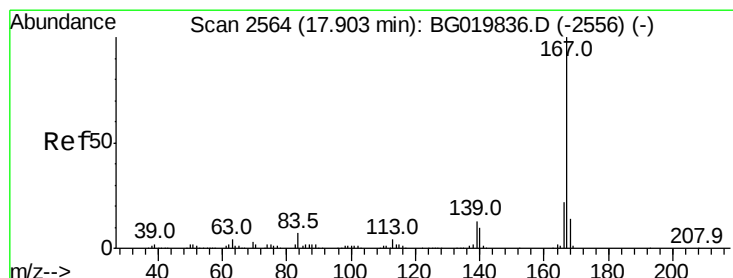
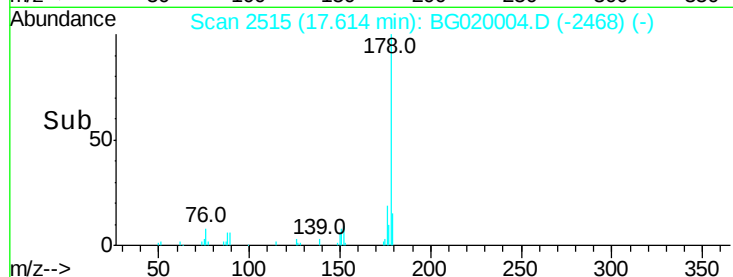
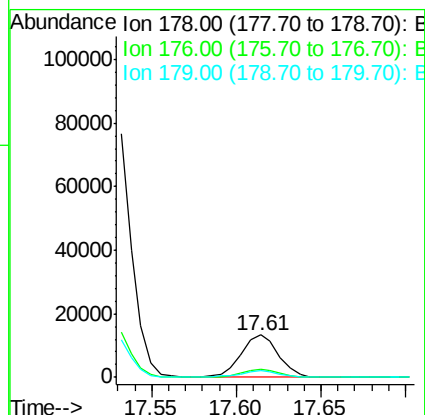
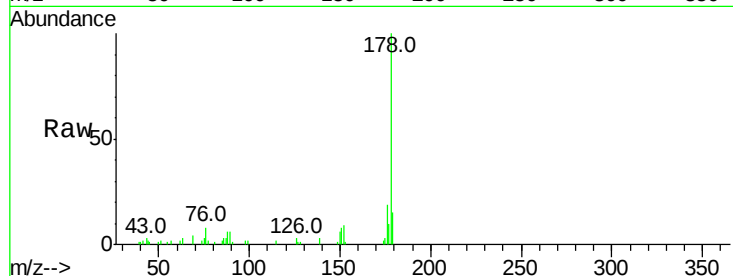




#71
 Anthracene
 Concen: 2.62 ng
 RT: 17.61 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

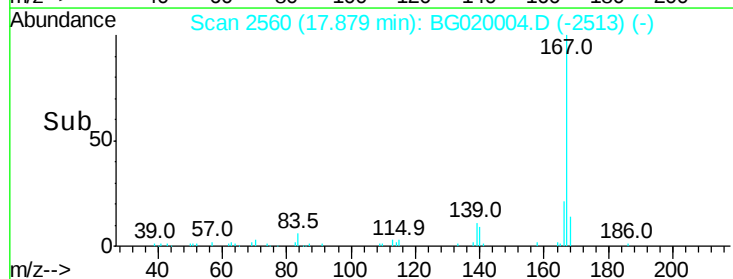
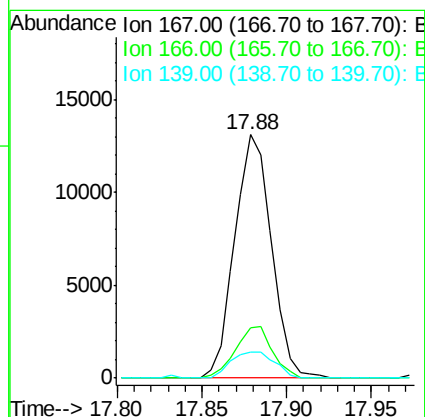
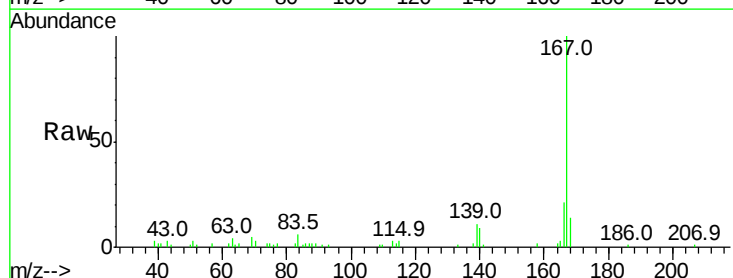
Instrument :
 BNA_G
 ClientSampled :
 MW-14

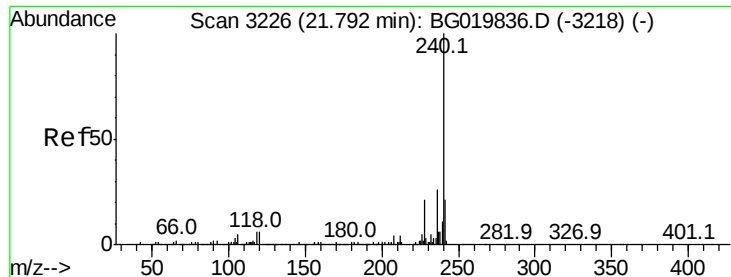
Tot Ion:178 Resp: 20644
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.8 25.2
 179 14.8 13.9 20.9



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

MW-14

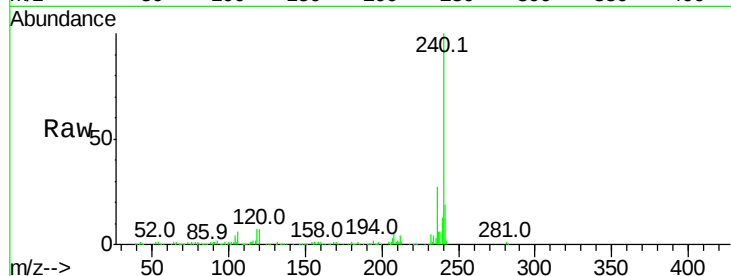
Tot Ion:240 Resp: 164579

Ion Ratio Lower Upper

240 100

120 6.8 7.4 11.0#

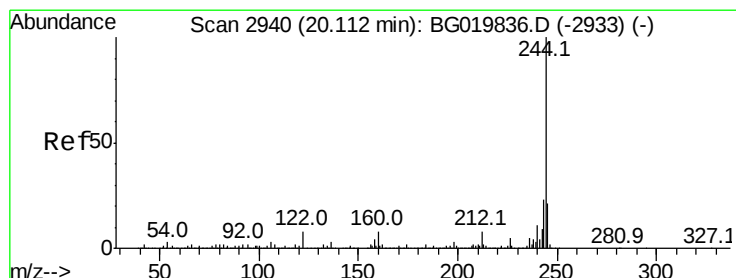
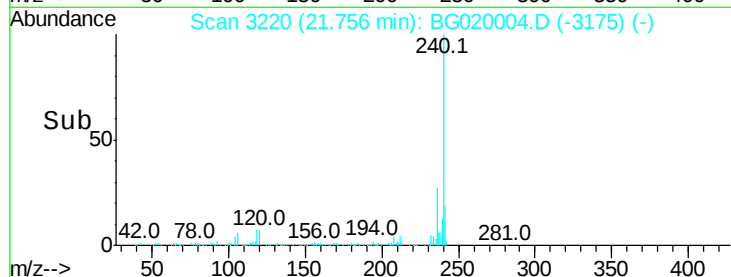
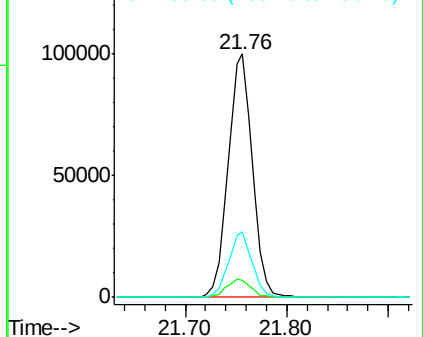
236 26.8 20.7 31.1



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

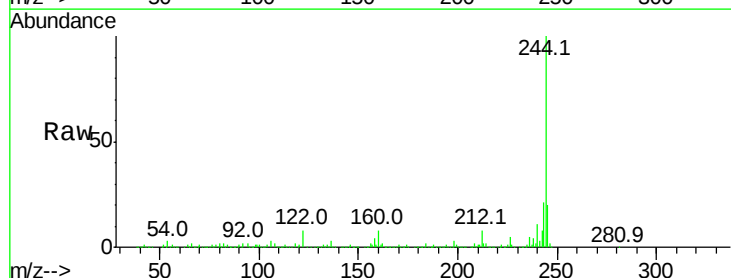
Tgt Ion:244 Resp: 541320

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

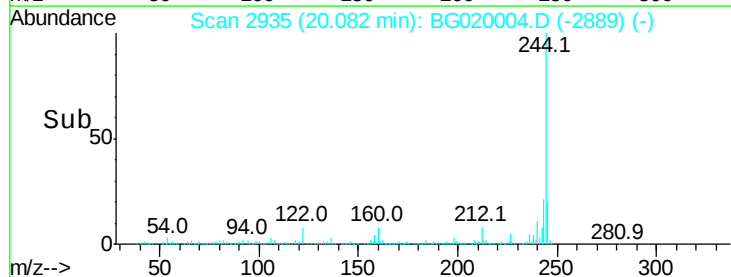
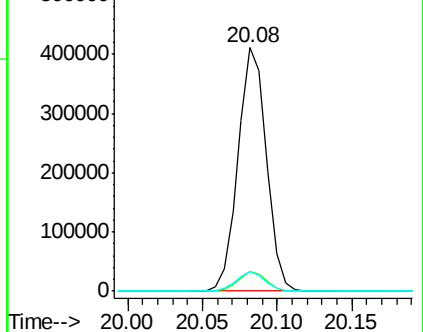
122 8.1 10.2 15.2#

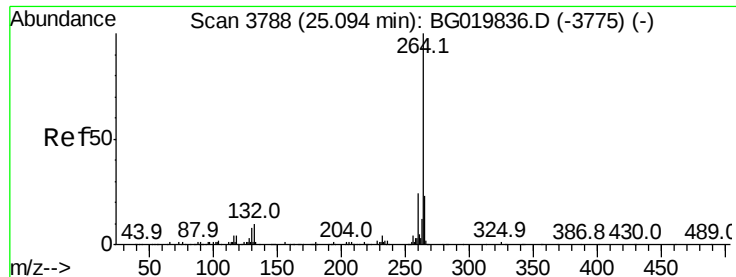


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

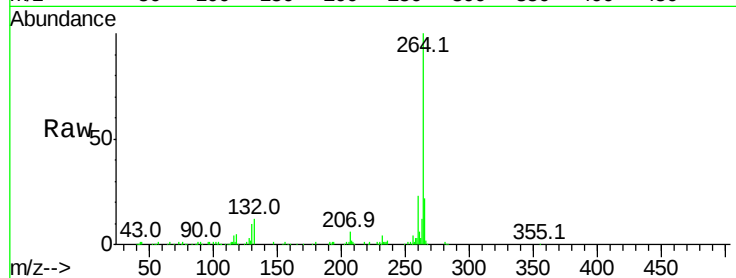




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3778
 Delta R.T. -0.06 min
 Lab File: BG020004.D
 Acq: 8 Dec 2015 5:55

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Tot 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

