

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020658.D
 Acq On : 5 Jan 2016 17:05
 Operator : UM/SJ
 Sample : G4846-19RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N65

Quant Time: Jan 06 00:32:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 06 00:15:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	16726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	75778	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	54677	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	138399	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	160109	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	152664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	323	1.16	ng/uL	0.00
5) Phenol-d5	7.21	99	10327	7.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	28654	33.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	29476	27.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	20770	17.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	19755	33.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	24384	35.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	40246	31.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	706	0.46	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	160410	35.85	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	180948	35.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	3934	5.61	ng/ul	0.00
58) Fluorene-d10	15.68	176	143341	35.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	20946	24.95	ng/ul	0.00
71) Anthracene-d10	17.54	188	230960	35.82	ng/ul	0.00
79) Pyrene-d10	19.82	212	269272	37.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	288341	37.86	ng/ul	0.00

Target Compounds

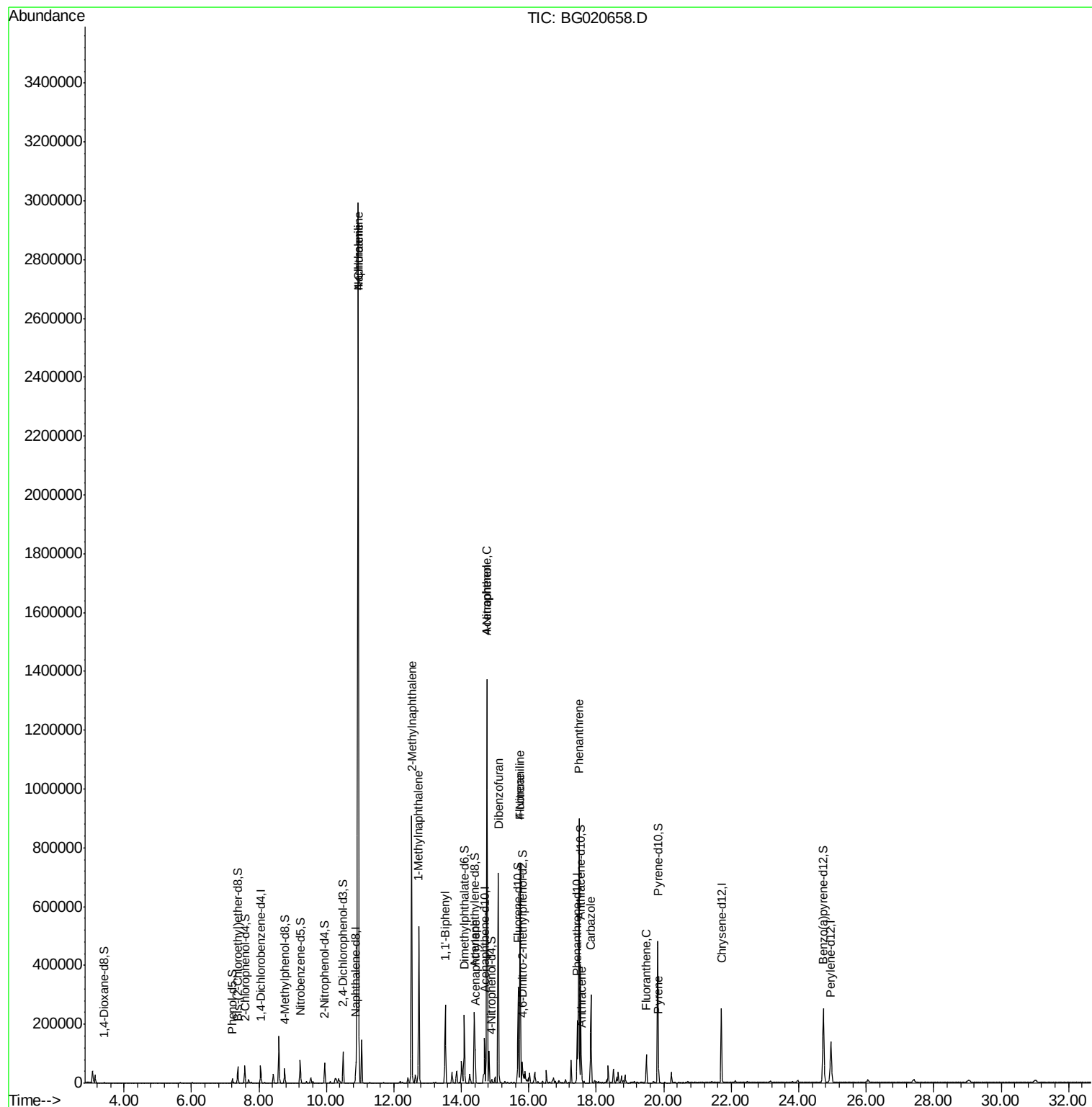
						Qvalue
28) Naphthalene	10.94	128	2703219	673.61	ng/ul#	86
30) 4-Chloroaniline	10.94	127	454172	288.41	ng/ul#	7
34) 2-Methylnaphthalene	12.52	142	436577	145.39	ng/ul	98
35) 1-Methylnaphthalene	12.74	142	245287	84.63	ng/ul	97
41) 1,1'-Biphenyl	13.52	154	139952	34.02	ng/ul	98
48) Acenaphthylene	14.42	152	61681	11.39	ng/ul	98
50) Acenaphthene	14.76	153	593816	162.10	ng/ul	98
53) 4-Nitrophenol	14.76	109	1125	1.82	ng/ul#	1
54) Dibenzofuran	15.09	168	481667	87.01	ng/ul	99
59) Fluorene	15.74	166	339309	76.20	ng/ul	98
61) 4-Nitroaniline	15.74	138	4171	4.42	ng/ul#	14
70) Phenanthrene	17.48	178	575789	76.53	ng/ul	98
72) Anthracene	17.57	178	26852	3.49	ng/ul	98
75) Carbazole	17.84	167	203434	31.33	ng/ul	98
77) Fluoranthene	19.49	202	64966	7.07	ng/ul	99
80) Pyrene	19.84	202	35376	3.81	ng/ul	98

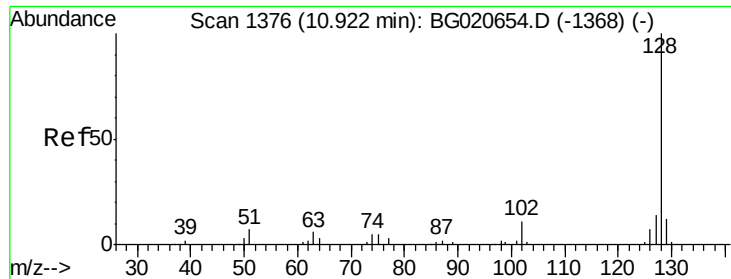
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 06 00:15:22 2016
Response via : Initial Calibration

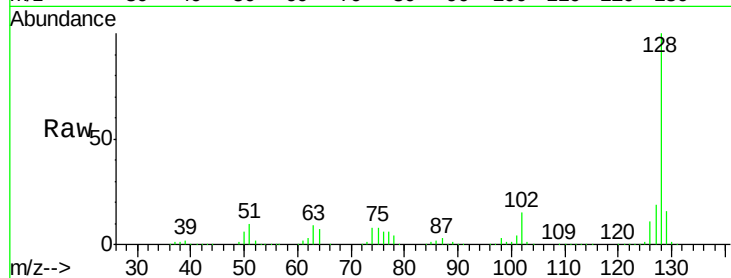




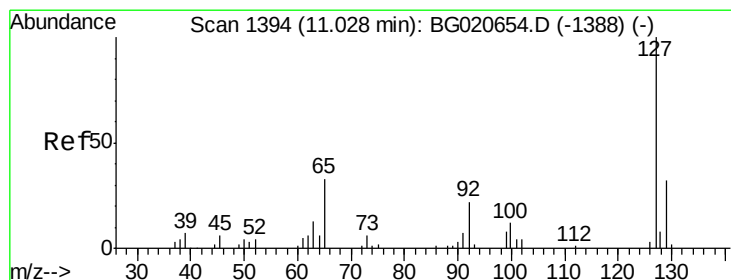
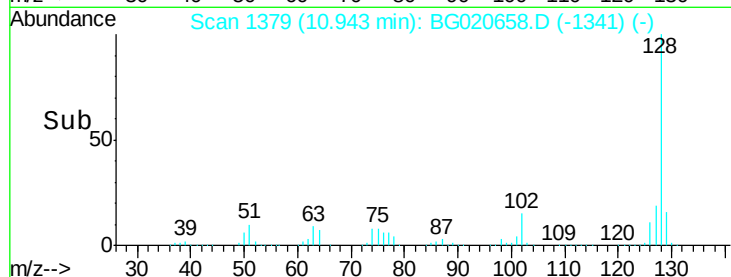
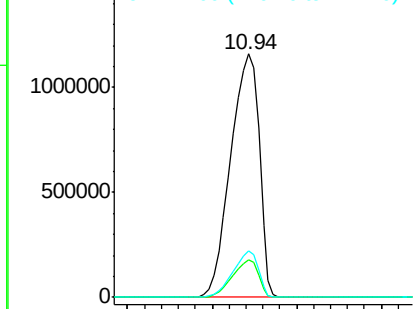
#28
Naphthalene
Concen: 673.61 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.02 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:128 Resp: 2703219
Ion Ratio Lower Upper
128 100
129 15.6 8.3 12.5#
127 19.1 10.8 16.2#

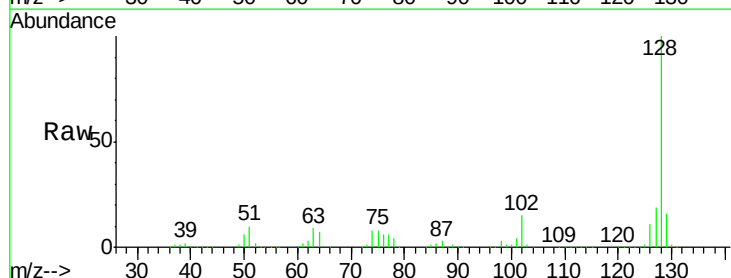


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

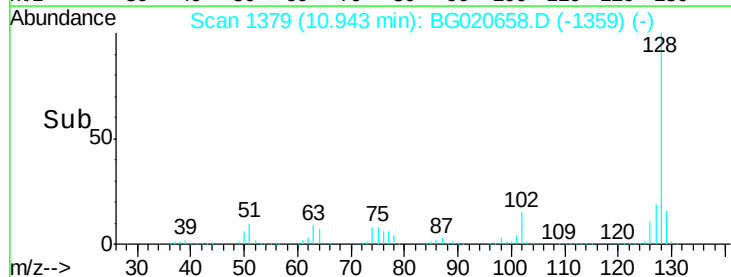
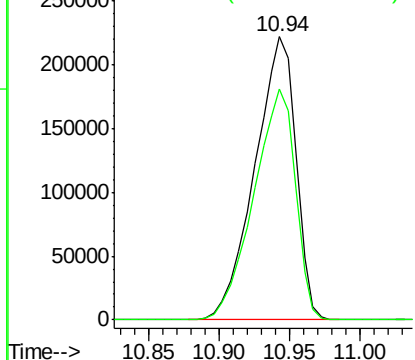


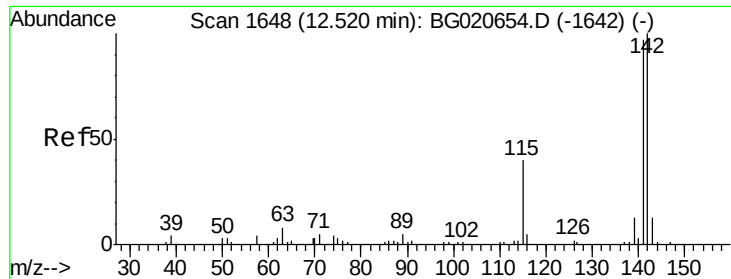
#30
4-Chloroaniline
Concen: 288.41 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. -0.08 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:127 Resp: 454172
Ion Ratio Lower Upper
127 100
129 81.6 24.6 37.0#



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

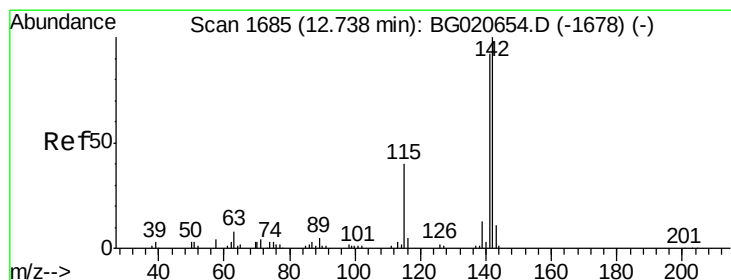
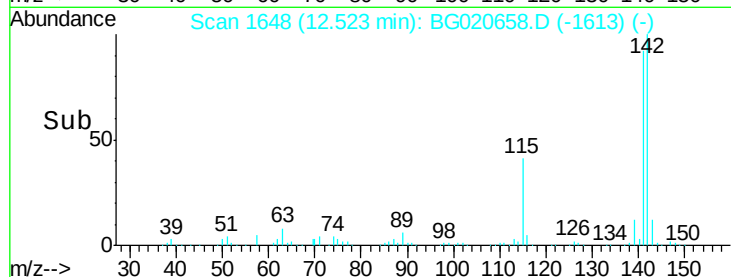
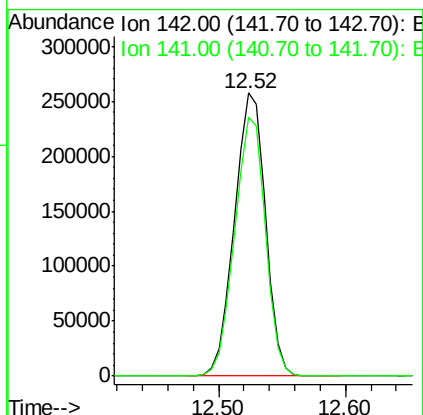
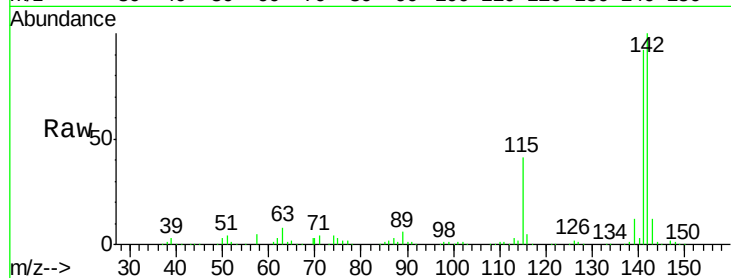




#34
 2-Methylnaphthalene
 Concen: 145.39 ng/ul
 RT: 12.52 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: BG020658.D
 Acq: 5 Jan 2016 17:05

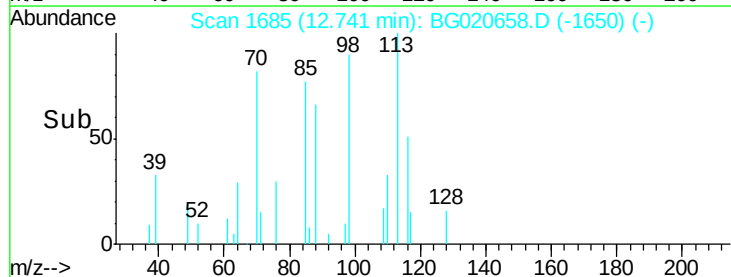
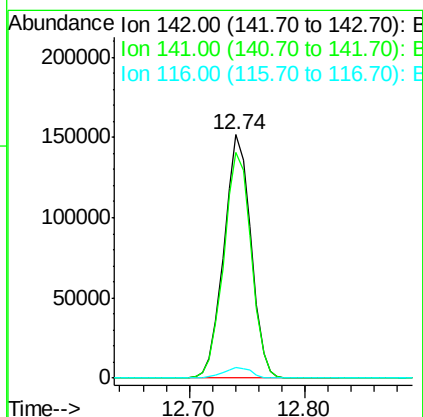
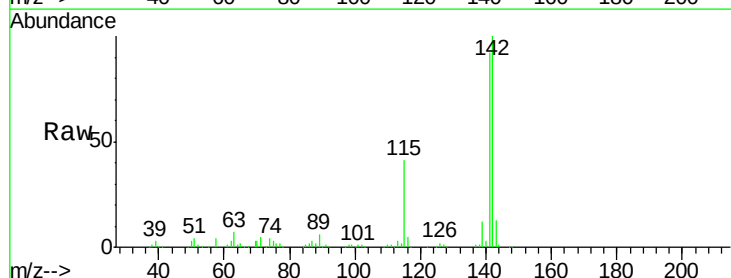
Instrument :
 BNA_G
 ClientSampleId :
 D9N65

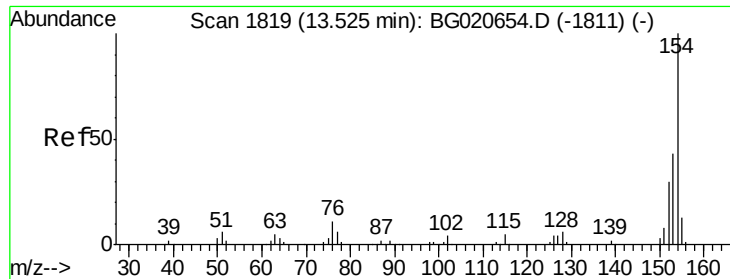
Tgt Ion:142 Resp: 436577
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.4 107.2



#35
 1-Methylnaphthalene
 Concen: 84.63 ng/ul
 RT: 12.74 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: BG020658.D
 Acq: 5 Jan 2016 17:05

Tgt Ion:142 Resp: 245287
 Ion Ratio Lower Upper
 142 100
 141 92.5 76.6 115.0
 116 4.6 3.6 5.4

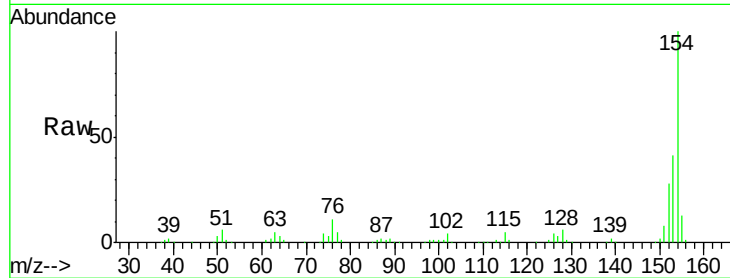




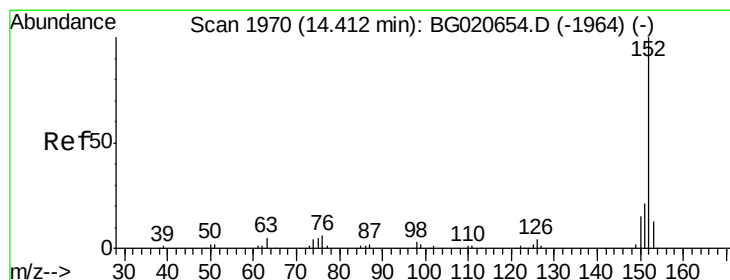
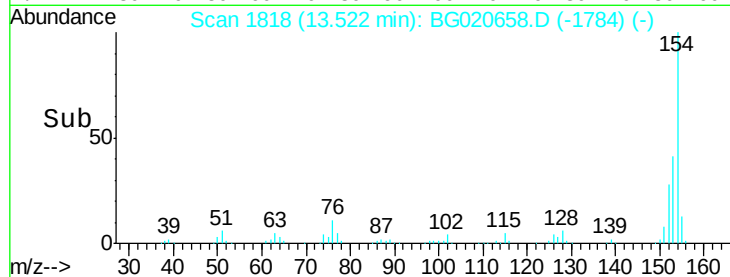
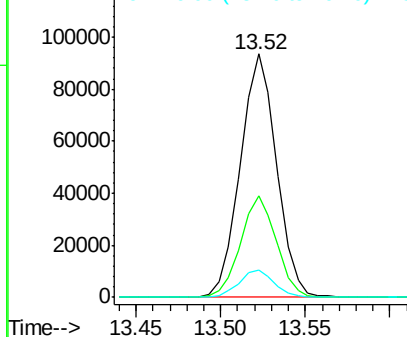
#41
 1,1'-Biphenyl
 Concen: 34.02 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BG020658.D
 Acq: 5 Jan 2016 17:05

Instrument :
 BNA_G
 ClientSampleId :
 D9N65

Tgt Ion:154 Resp: 139952
 Ion Ratio Lower Upper
 154 100
 153 41.5 34.0 51.0
 76 11.4 8.4 12.6

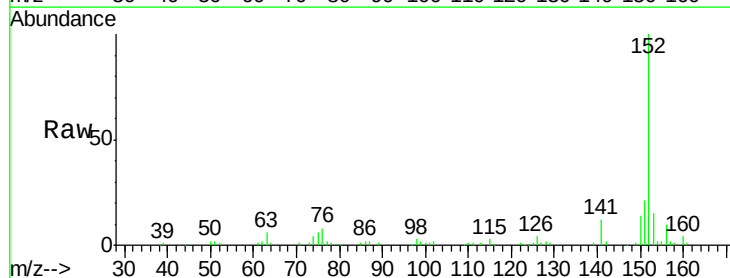


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

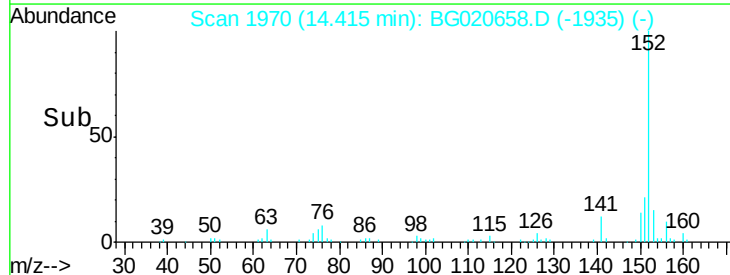
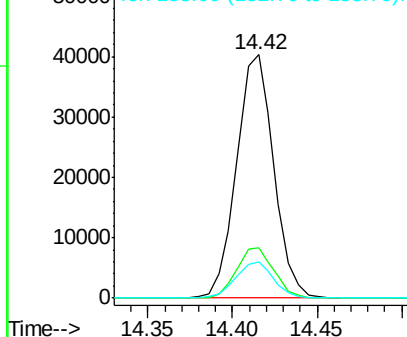


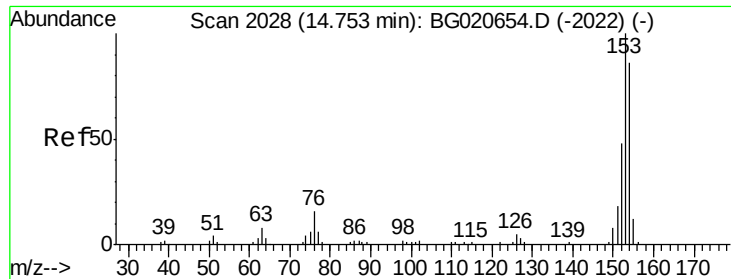
#48
 Acenaphthylene
 Concen: 11.39 ng/ul
 RT: 14.42 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BG020658.D
 Acq: 5 Jan 2016 17:05

Tgt Ion:152 Resp: 61681
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.1 24.1
 153 14.6 10.8 16.2



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





#50

Acenaphthene

Concen: 162.10 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

Instrument :

BNA_G

ClientSampleId :

D9N65

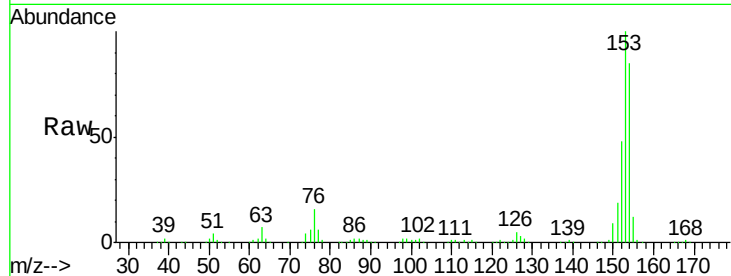
Tgt Ion:153 Resp: 593816

Ion Ratio Lower Upper

153 100

152 48.4 37.9 56.9

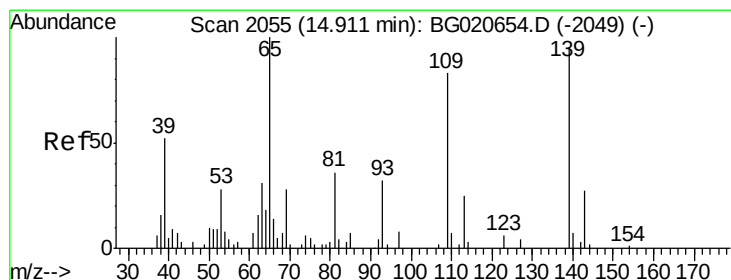
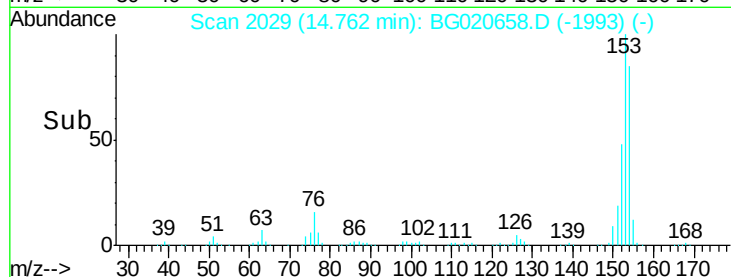
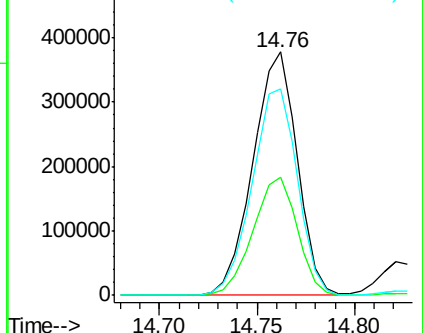
154 84.9 69.8 104.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 1.82 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. -0.15 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

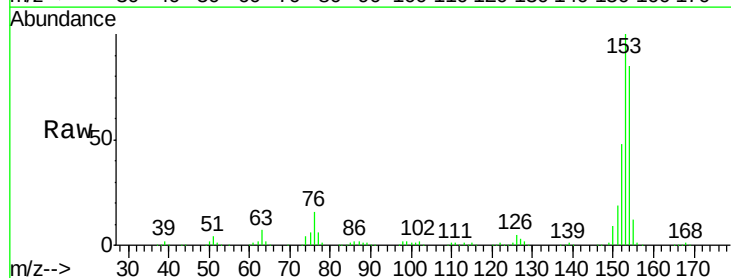
Tgt Ion:109 Resp: 1125

Ion Ratio Lower Upper

109 100

139 352.9 91.2 136.8#

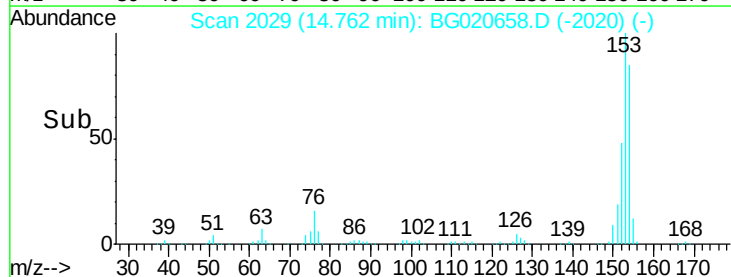
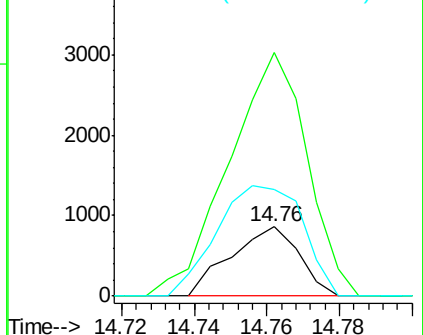
65 154.0 92.6 139.0#

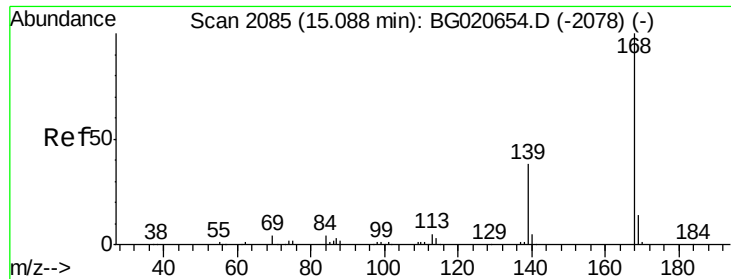


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





#54

Dibenzenofuran

Concen: 87.01 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

Instrument :

BNA_G

ClientSampleId :

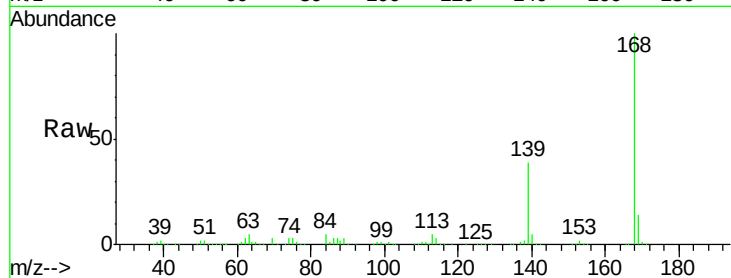
D9N65

Tgt Ion:168 Resp: 481667

Ion Ratio Lower Upper

168 100

139 39.3 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.09

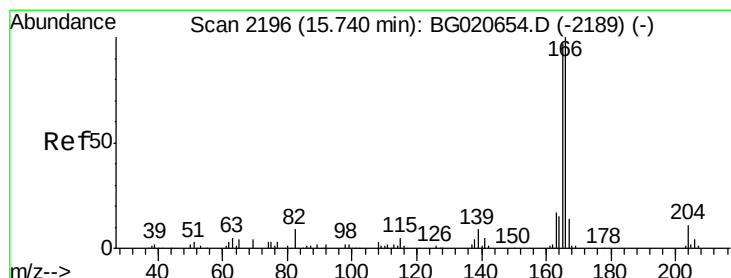
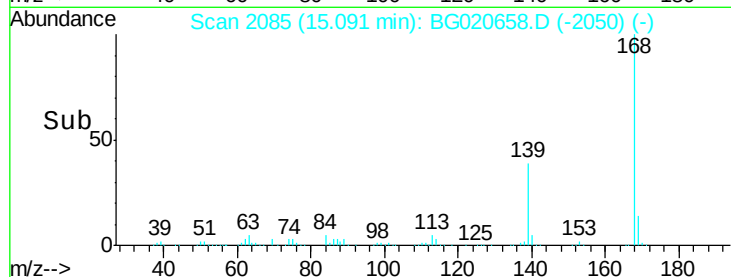
300000

200000

100000

0

Time--> 15.00 15.10



#59

Fluorene

Concen: 76.20 ng/ul

RT: 15.74 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

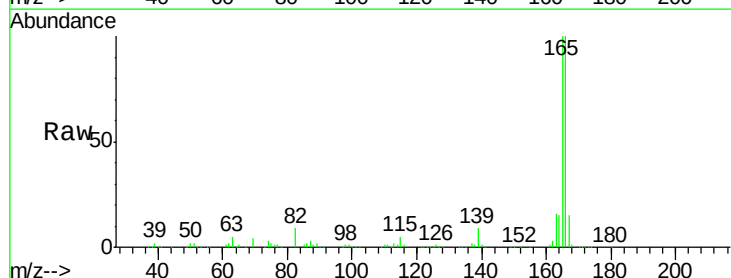
Tgt Ion:166 Resp: 339309

Ion Ratio Lower Upper

166 100

165 99.6 78.4 117.6

167 14.7 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

15.74

300000

250000

200000

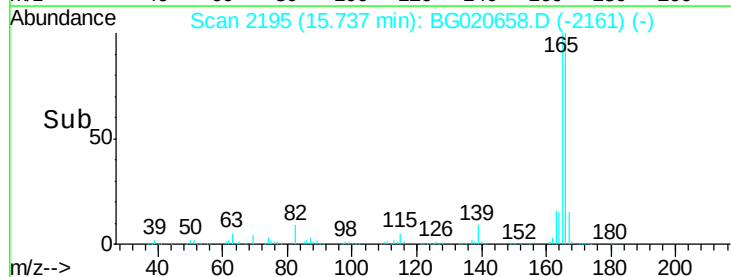
150000

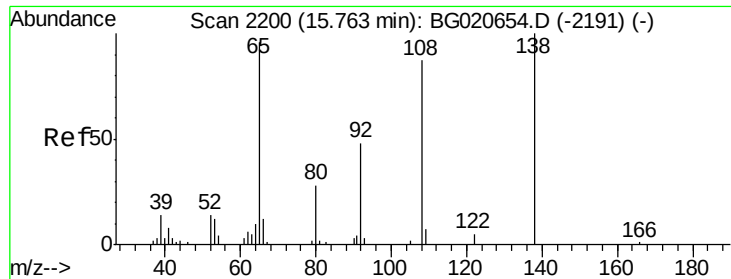
100000

50000

0

Time--> 15.70 15.75 15.80

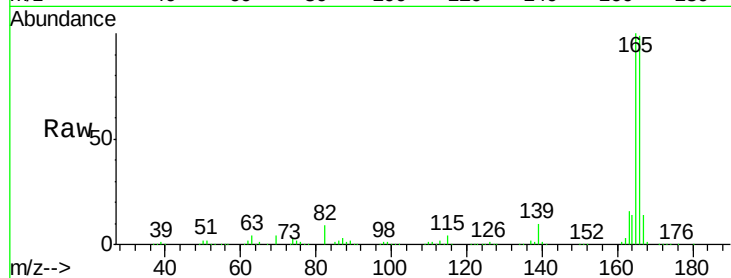




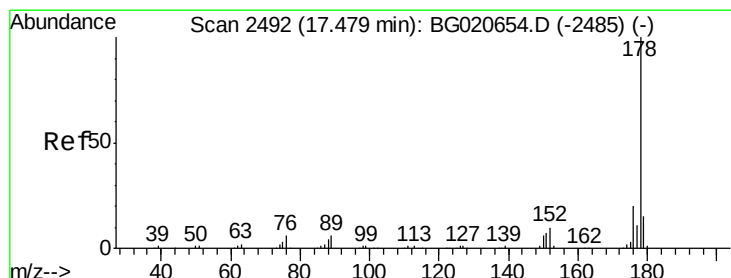
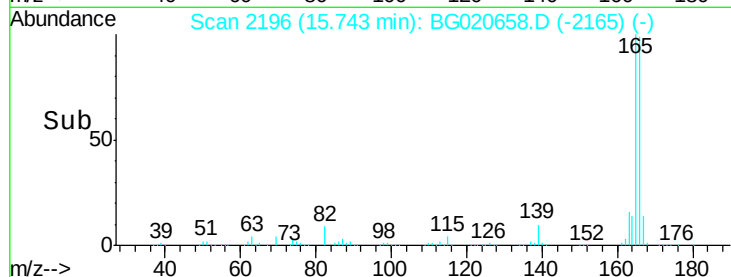
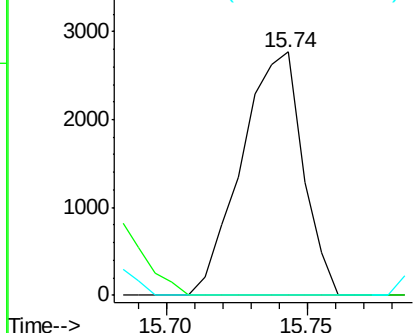
#61
4-Nitroaniline
Concen: 4.42 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:138 Resp: 4171
Ion Ratio Lower Upper
138 100
92 0.0 38.2 57.4#
108 0.0 70.0 105.0#

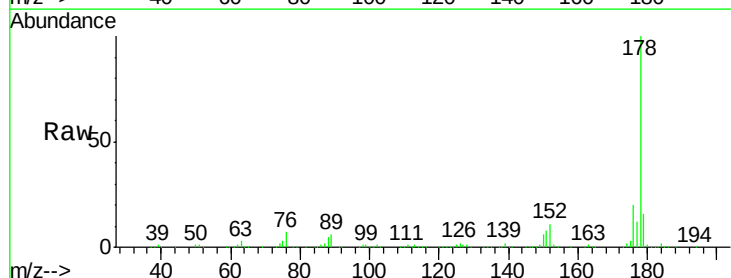


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

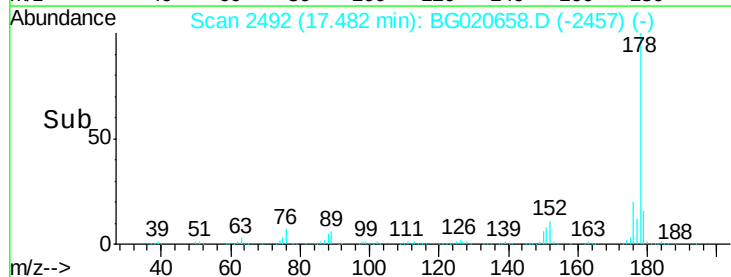
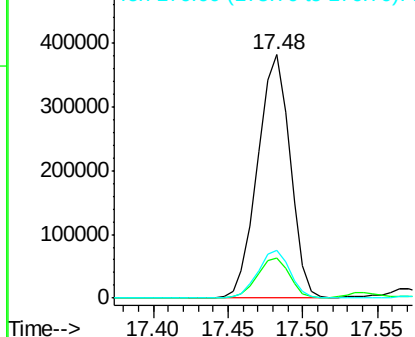


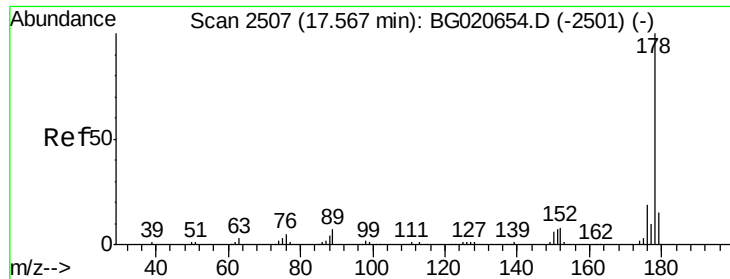
#70
Phenanthrene
Concen: 76.53 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:178 Resp: 575789
Ion Ratio Lower Upper
178 100
179 16.3 12.3 18.5
176 19.8 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.49 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

Instrument :

BNA_G

ClientSampleId :

D9N65

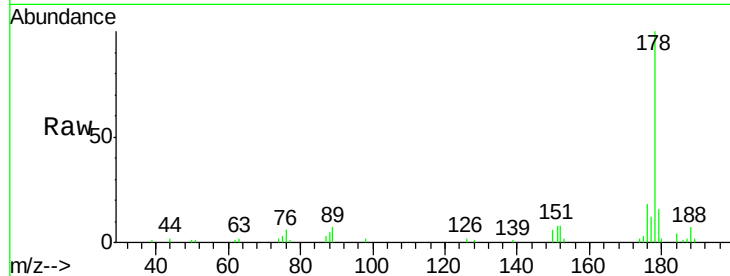
Tgt Ion:178 Resp: 26852

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

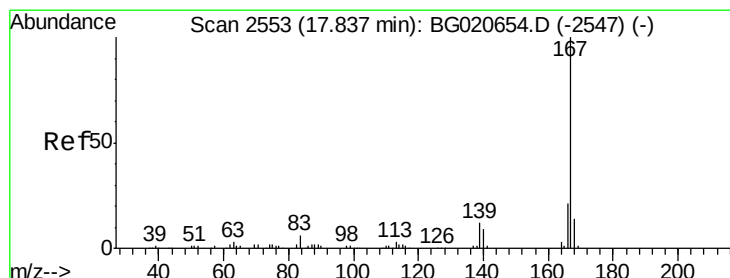
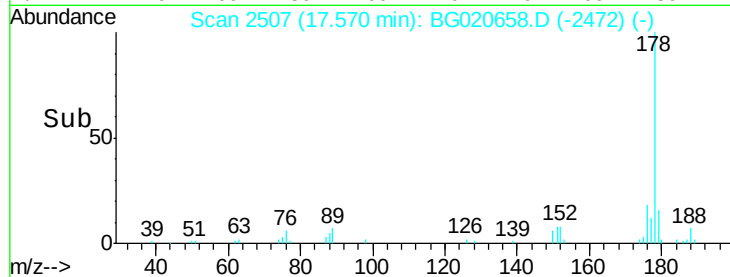
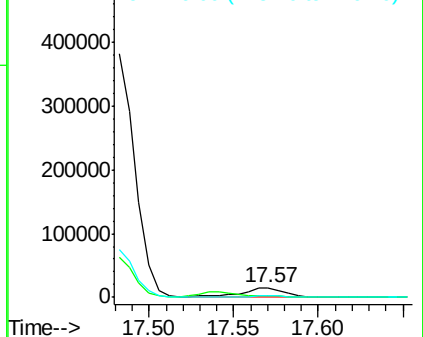
176 18.2 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 31.33 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BG020658.D

Acq: 5 Jan 2016 17:05

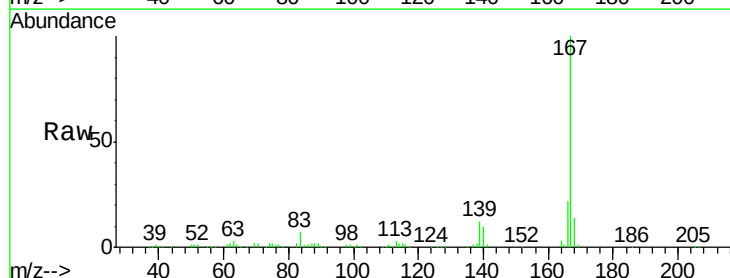
Tgt Ion:167 Resp: 203434

Ion Ratio Lower Upper

167 100

166 22.1 17.0 25.4

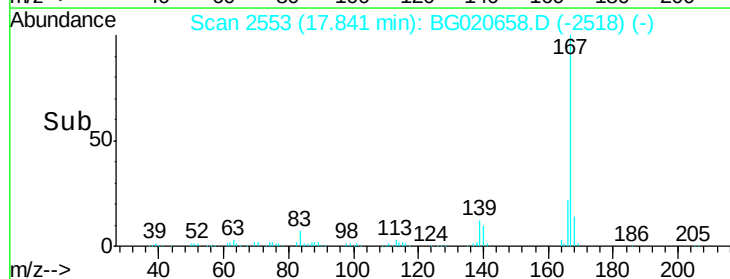
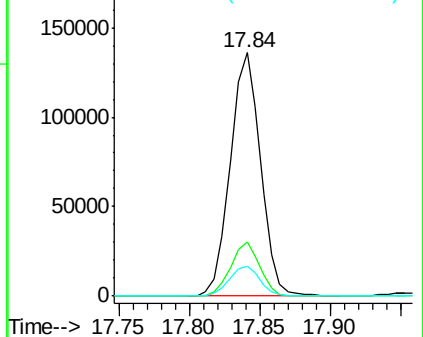
139 12.2 9.1 13.7

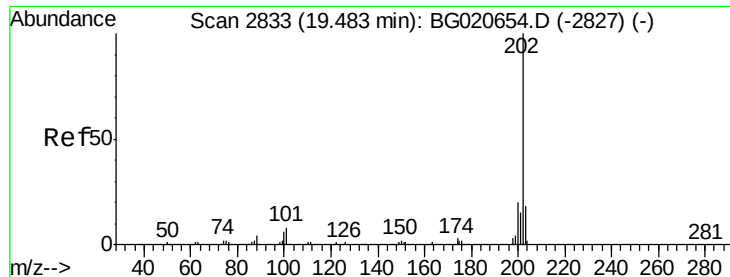


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

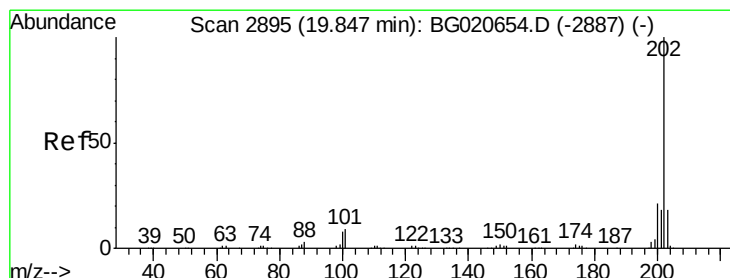
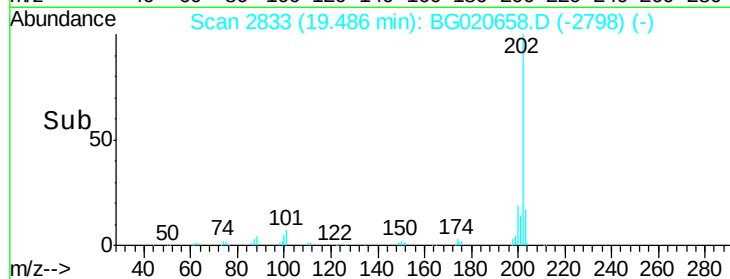
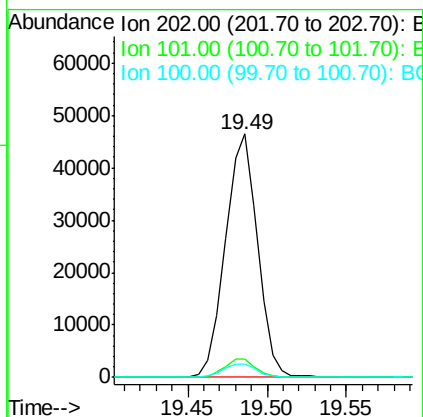
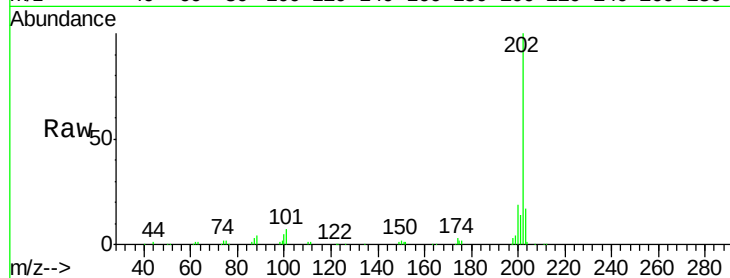




#77
Fluoranthene
Concen: 7.07 ng/ul
RT: 19.49 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:202 Resp: 64966
Ion Ratio Lower Upper
202 100
101 7.3 6.1 9.1
100 5.4 4.6 7.0



#80
Pyrene
Concen: 3.81 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. -0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:202 Resp: 35376
Ion Ratio Lower Upper
202 100
101 9.0 6.9 10.3
100 5.9 5.6 8.4

