

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020666.D
 Acq On : 5 Jan 2016 22:54
 Operator : UM/SJ
 Sample : G4846-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Jan 06 04:28:33 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 06 04:25:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	18633	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	80342	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.69	164	57325	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	138666	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	170072	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	164326	20.00	ng/ul	0.00

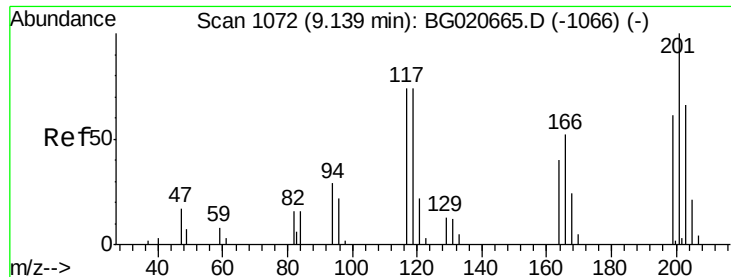
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	416	1.34	ng/uL	0.00
5) Phenol-d5	7.21	99	12788	8.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	31570	33.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	34745	28.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	24675	18.27	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	22827	36.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	26257	36.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	46398	33.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	2343	1.44	ng/ul	0.03
44) Dimethylphthalate-d6	14.09	166	168834	35.99	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	197049	36.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5321	7.23	ng/ul	0.01
58) Fluorene-d10	15.68	176	152669	35.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	25822	30.70	ng/ul	0.00
71) Anthracene-d10	17.54	188	238518	36.92	ng/ul	0.00
79) Pyrene-d10	19.82	212	284333	37.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	319429	38.96	ng/ul	0.00

Target Compounds

						Qvalue
17) Hexachloroethane	9.16	117	1709	3.23	ng/ul#	1
28) Naphthalene	10.98	128	6105584	1435.02	ng/ul#	61
30) 4-Chloroaniline	10.98	127	1385238	829.69	ng/ul#	7
34) 2-Methylnaphthalene	12.54	142	1291959	405.81	ng/ul	96
35) 1-Methylnaphthalene	12.75	142	769281	250.35	ng/ul	98
41) 1,1'-Biphenyl	13.52	154	453776	105.20	ng/ul	99
48) Acenaphthylene	14.42	152	235315	41.46	ng/ul	99
49) 3-Nitroaniline	14.77	138	1710	1.89	ng/ul#	1
50) Acenaphthene	14.78	153	1690630	440.20	ng/ul	95
54) Dibenzofuran	15.10	168	1458583	251.30	ng/ul	91
59) Fluorene	15.75	166	1048530	224.59	ng/ul	98
61) 4-Nitroaniline	15.75	138	14231	14.39	ng/ul#	17
70) Phenanthrene	17.49	178	1924436	255.27	ng/ul#	87
72) Anthracene	17.57	178	110068	14.28	ng/ul	96
75) Carbazole	17.86	167	1980724	304.41	ng/ul#	87
77) Fluoranthene	19.48	202	376654	40.89	ng/ul	99
80) Pyrene	19.85	202	222563	22.59	ng/ul	100

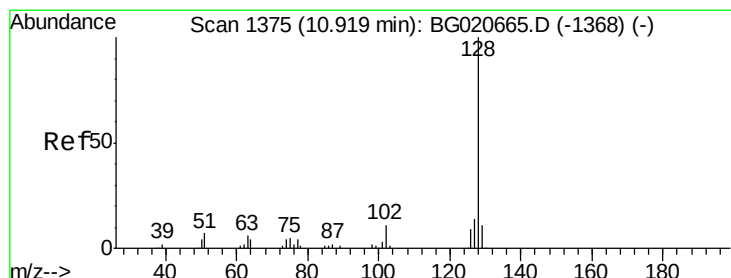
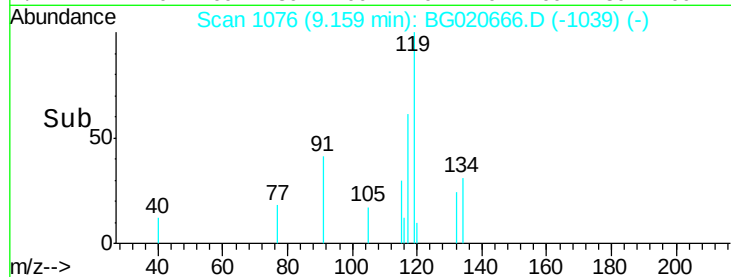
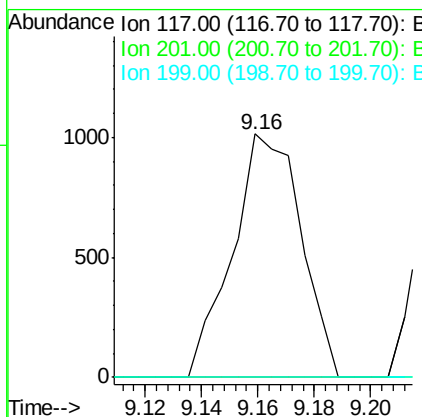
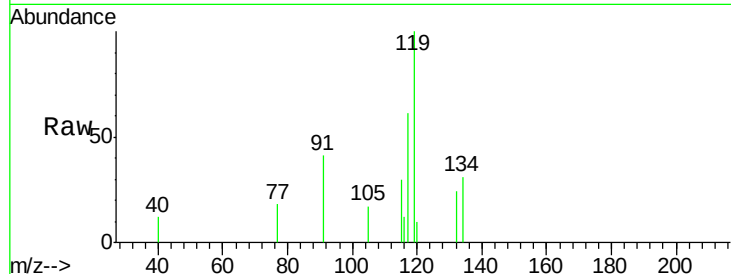
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#17
 Hexachloroethane
 Concen: 3.23 ng/ul
 RT: 9.16 min Scan# 1076
 Delta R.T. 0.02 min
 Lab File: BG020666.D
 Acq: 5 Jan 2016 22:54

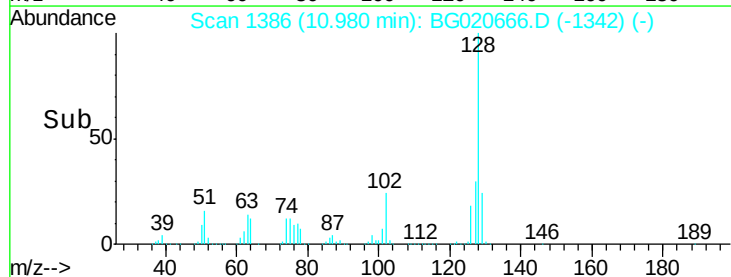
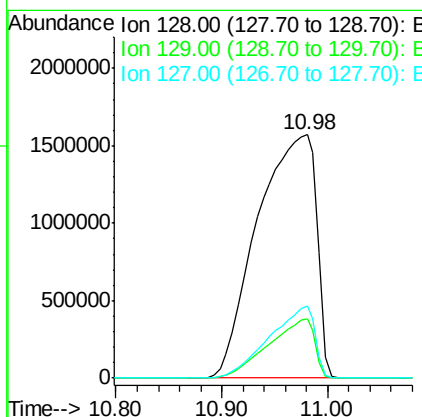
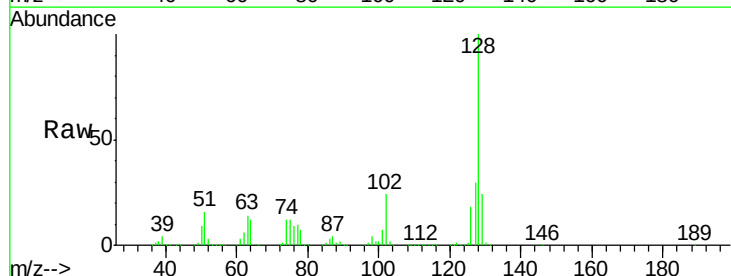
Instrument :
 BNA_G
 ClientSampleId :
 D9N63

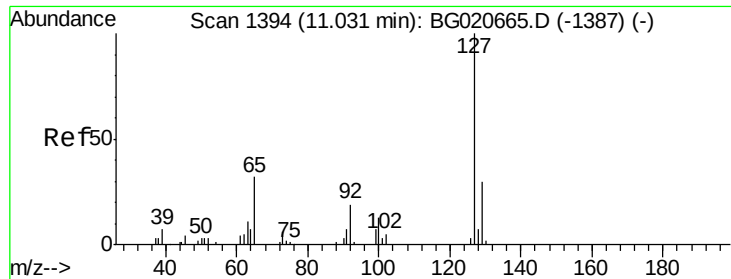
Tgt Ion:117 Resp: 1709
 Ion Ratio Lower Upper
 117 100
 201 0.0 96.1 144.1#
 199 0.0 59.7 89.5#



#28
 Naphthalene
 Concen: 1435.02 ng/ul
 RT: 10.98 min Scan# 1386
 Delta R.T. 0.06 min
 Lab File: BG020666.D
 Acq: 5 Jan 2016 22:54

Tgt Ion:128 Resp: 6105584
 Ion Ratio Lower Upper
 128 100
 129 24.1 8.3 12.5#
 127 29.6 10.8 16.2#

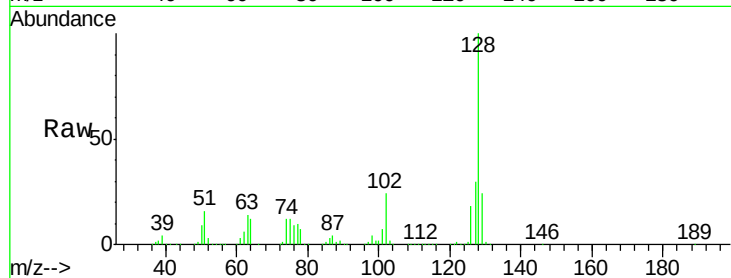




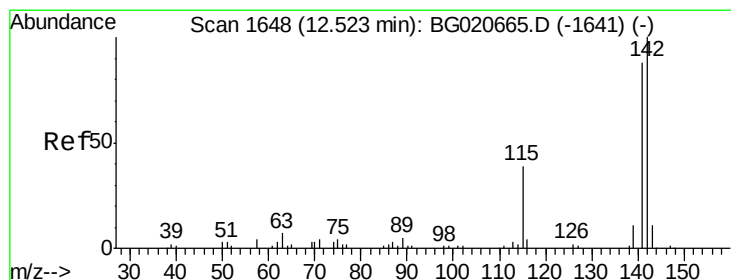
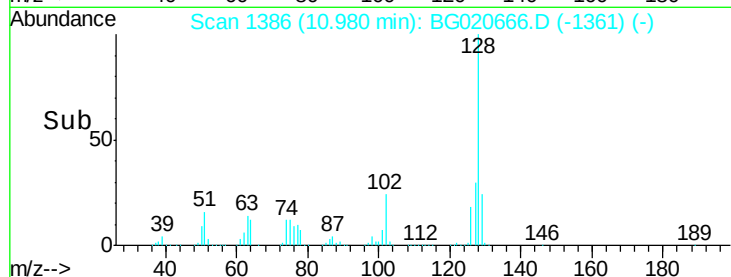
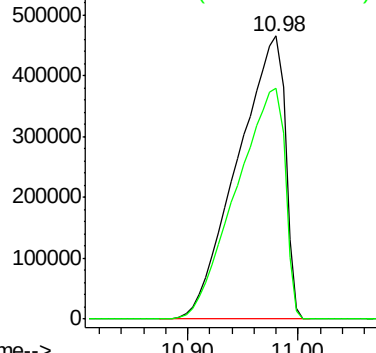
#30
4-Chloroaniline
Concen: 829.69 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. -0.05 min
Lab File: BG020666.D
Acq: 5 Jan 2016 22:54

Instrument :
BNA_G
ClientSampleId :
D9N63

Tgt Ion:127 Resp: 1385238
Ion Ratio Lower Upper
127 100
129 81.7 24.6 37.0#

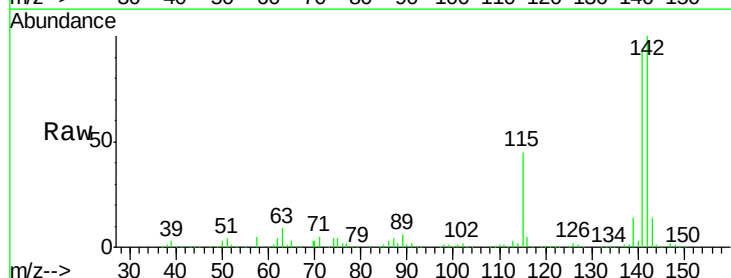


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

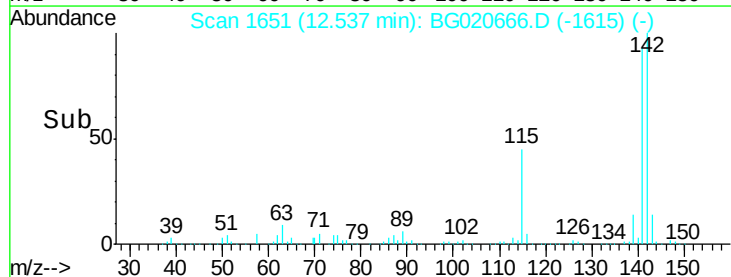
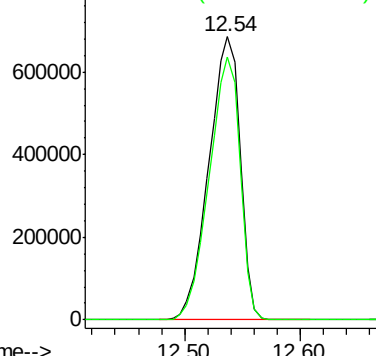


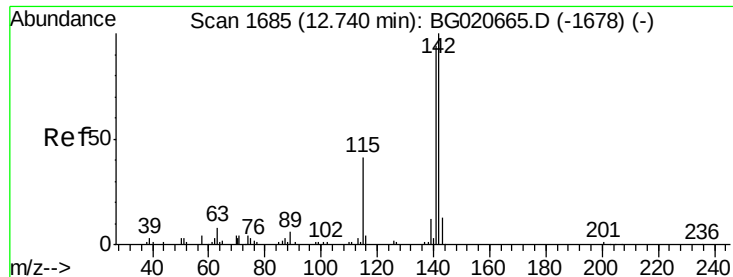
#34
2-Methylnaphthalene
Concen: 405.81 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.01 min
Lab File: BG020666.D
Acq: 5 Jan 2016 22:54

Tgt Ion:142 Resp: 1291959
Ion Ratio Lower Upper
142 100
141 93.0 71.4 107.2



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

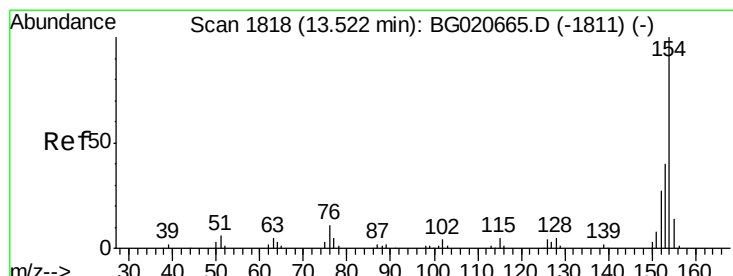
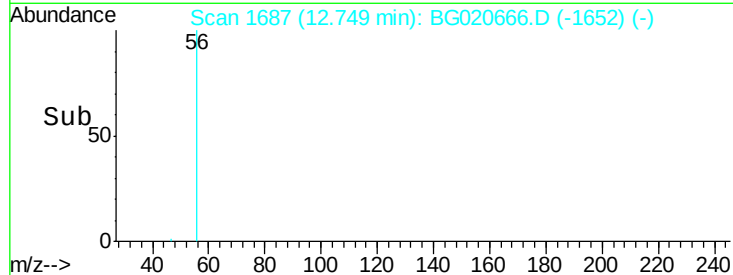
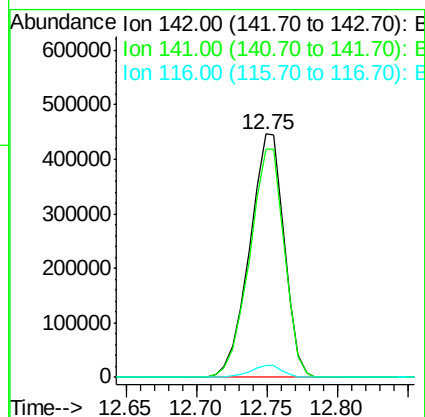
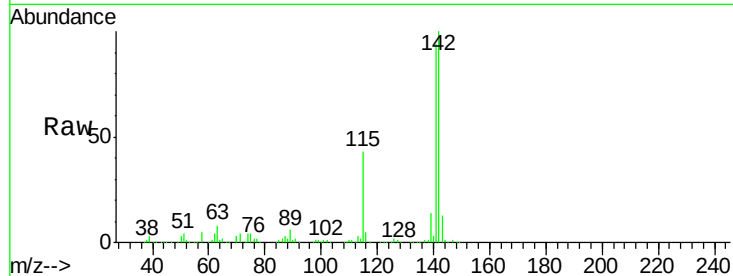




#35
 1-Methylnaphthalene
 Concen: 250.35 ng/ul
 RT: 12.75 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: BG020666.D
 Acq: 5 Jan 2016 22:54

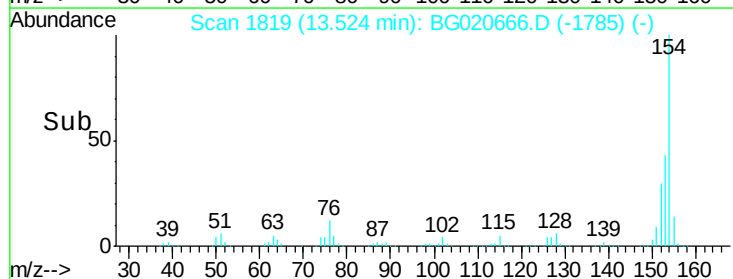
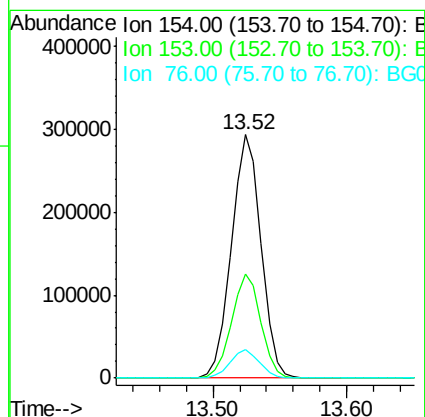
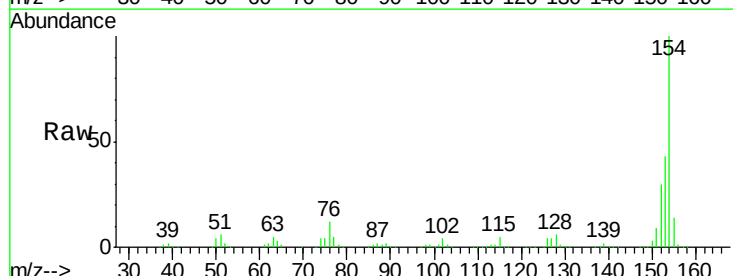
Instrument :
 BNA_G
 ClientSampleId :
 D9N63

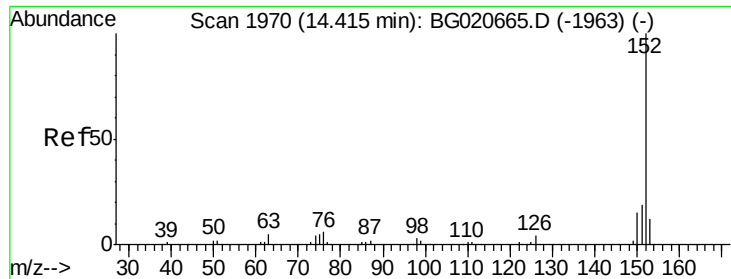
Tgt Ion:142 Resp: 769281
 Ion Ratio Lower Upper
 142 100
 141 94.0 76.6 115.0
 116 4.6 3.6 5.4



#41
 1,1'-Biphenyl
 Concen: 105.20 ng/ul
 RT: 13.52 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BG020666.D
 Acq: 5 Jan 2016 22:54

Tgt Ion:154 Resp: 453776
 Ion Ratio Lower Upper
 154 100
 153 42.6 34.0 51.0
 76 11.8 8.4 12.6





#48

Acenaphthylene

Concen: 41.46 ng/ul

RT: 14.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

Instrument :

BNA_G

ClientSampleId :

D9N63

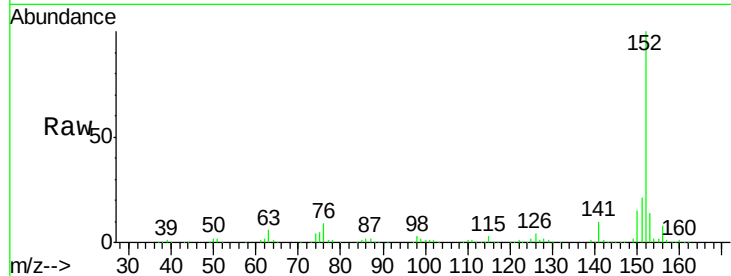
Tgt Ion:152 Resp: 235315

Ion Ratio Lower Upper

152 100

151 20.8 16.1 24.1

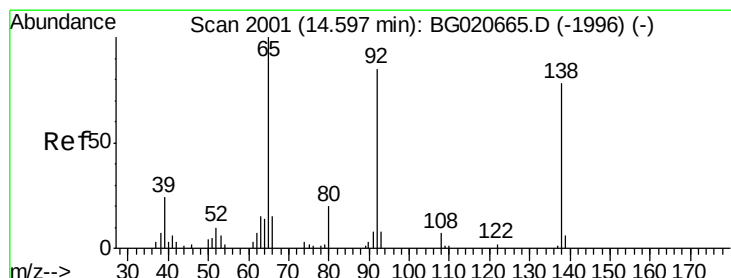
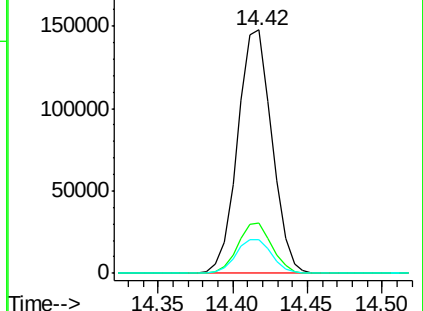
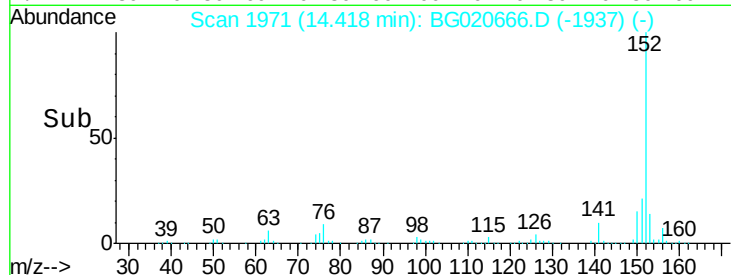
153 14.0 10.8 16.2



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



#49

3-Nitroaniline

Concen: 1.89 ng/ul

RT: 14.77 min Scan# 2031

Delta R.T. 0.17 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

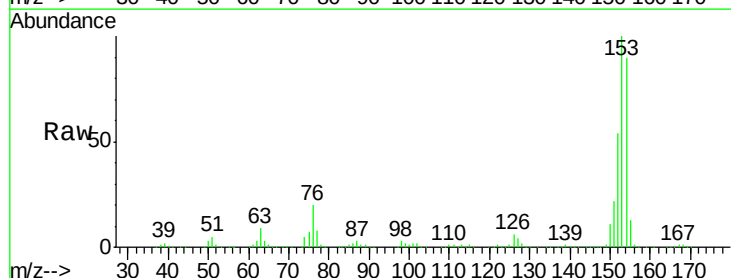
Tgt Ion:138 Resp: 1710

Ion Ratio Lower Upper

138 100

108 24.2 7.6 11.4#

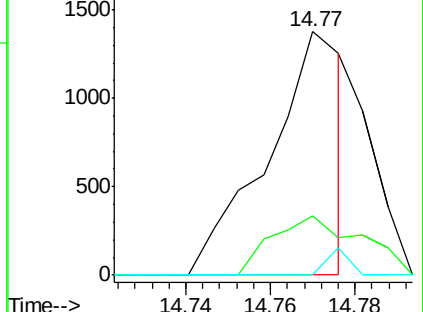
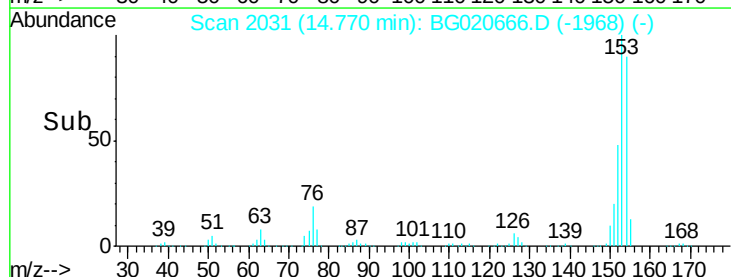
92 0.0 94.2 141.2#

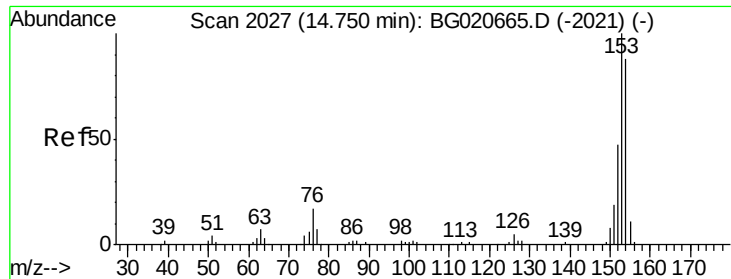


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#50

Acenaphthene

Concen: 440.20 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

Instrument :

BNA_G

ClientSampleId :

D9N63

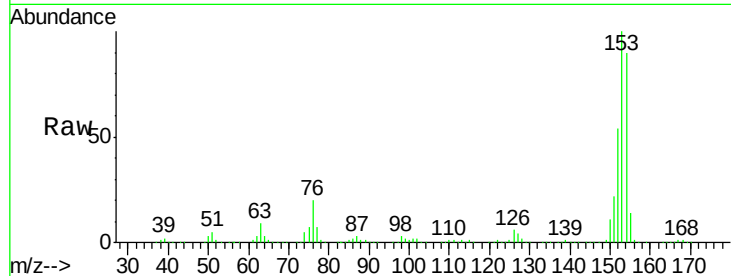
Tgt Ion:153 Resp: 1690630

Ion Ratio Lower Upper

153 100

152 54.2 37.9 56.9

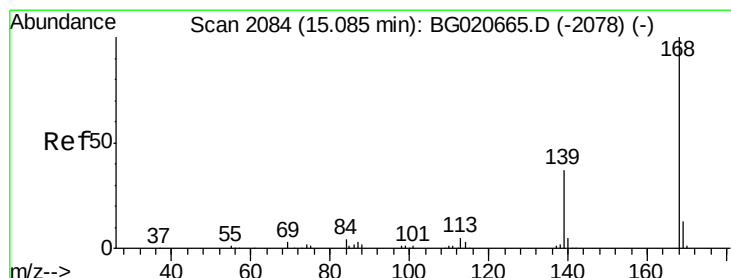
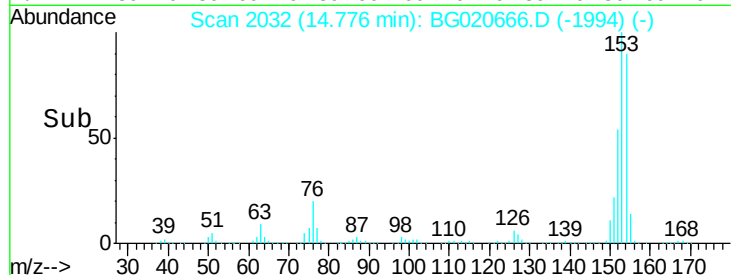
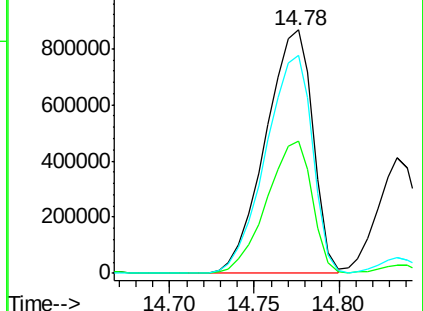
154 89.6 69.8 104.6



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



#54

Dibenzofuran

Concen: 251.30 ng/ul

RT: 15.10 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BG020666.D

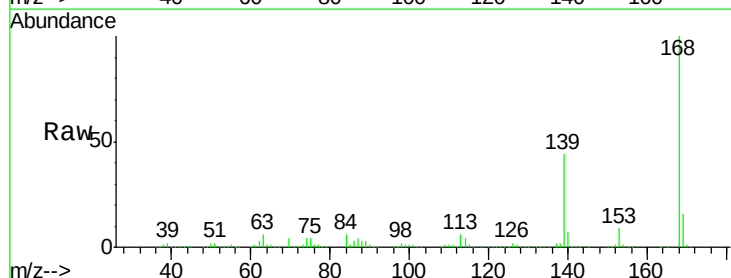
Acq: 5 Jan 2016 22:54

Tgt Ion:168 Resp: 1458583

Ion Ratio Lower Upper

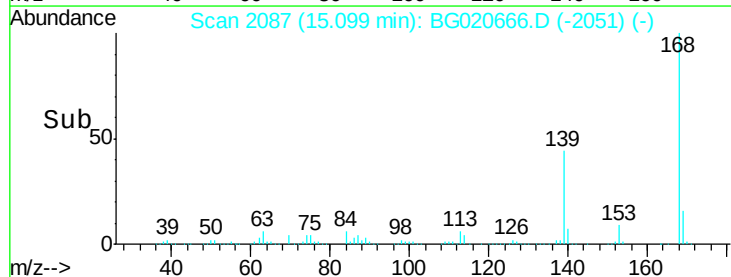
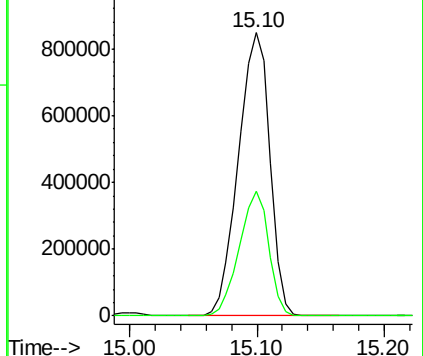
168 100

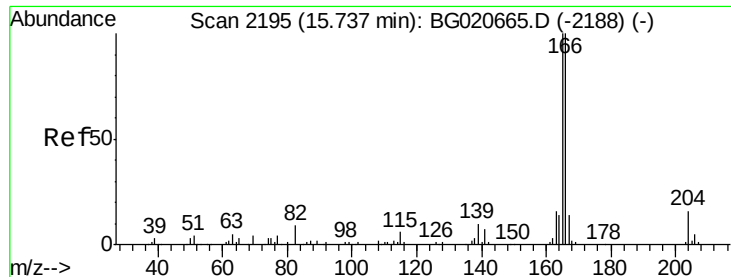
139 44.1 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 224.59 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

Instrument :

BNA_G

ClientSampleId :

D9N63

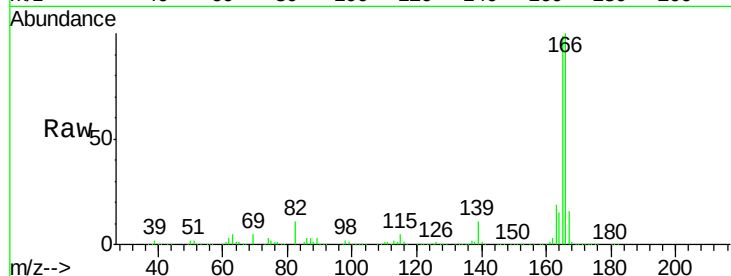
Tgt Ion:166 Resp: 1048530

Ion Ratio Lower Upper

166 100

165 99.2 78.4 117.6

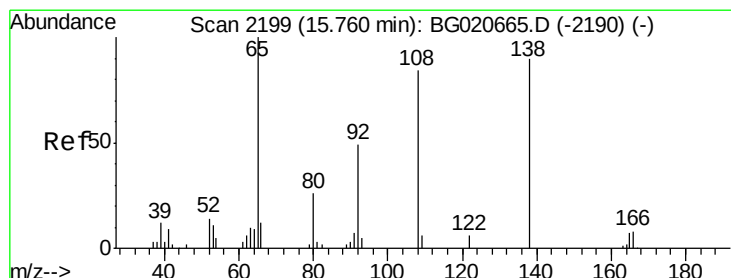
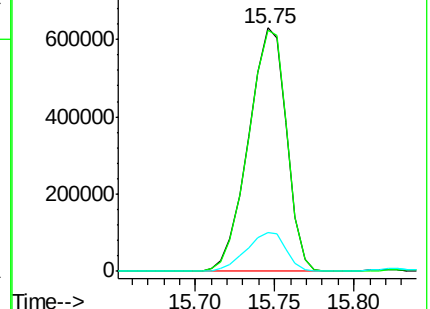
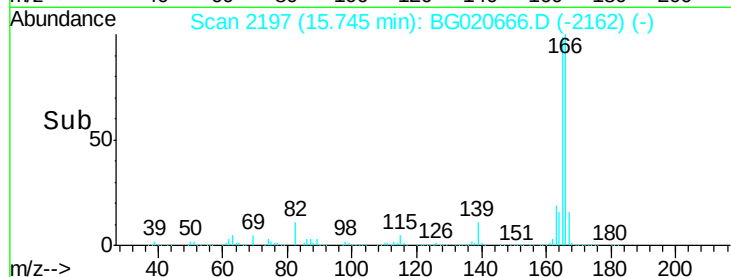
167 16.0 11.1 16.7



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



#61

4-Nitroaniline

Concen: 14.39 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

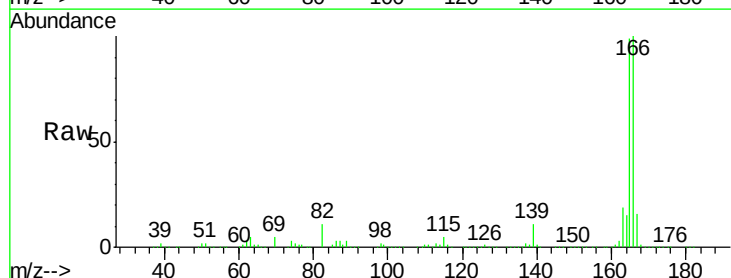
Tgt Ion:138 Resp: 14231

Ion Ratio Lower Upper

138 100

92 1.9 38.2 57.4#

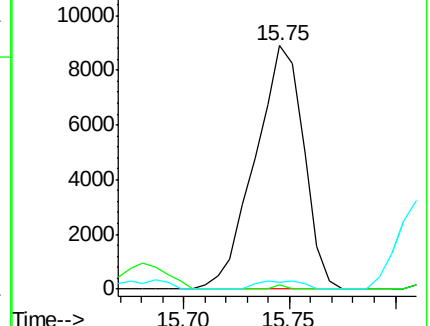
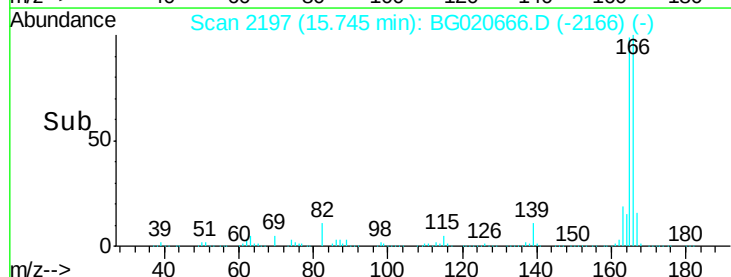
108 2.7 70.0 105.0#

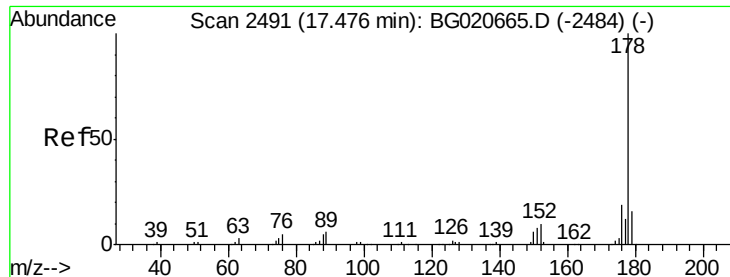


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 255.27 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

Instrument :

BNA_G

ClientSampled :

D9N63

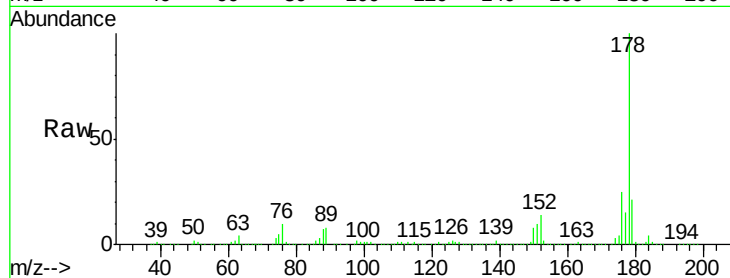
Tgt Ion:178 Resp: 1924436

Ion Ratio Lower Upper

178 100

179 20.8 12.3 18.5#

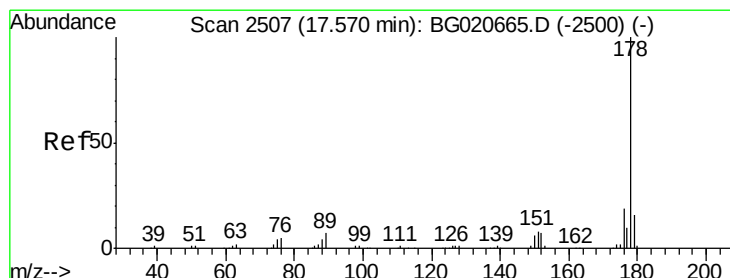
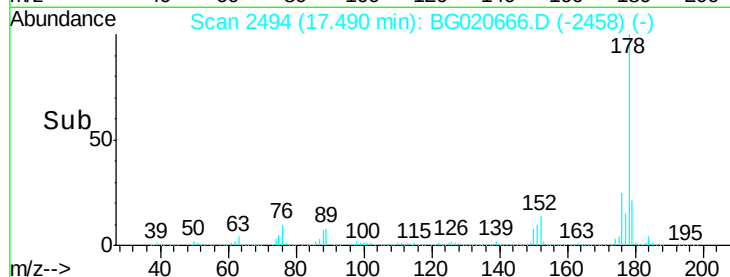
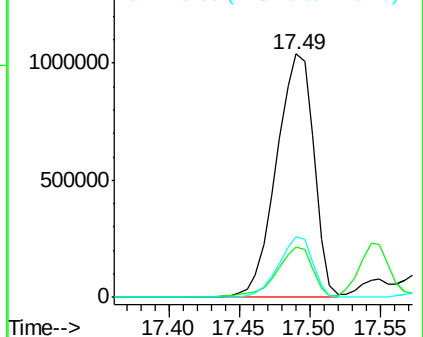
176 24.8 15.4 23.0#



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: 14.28 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

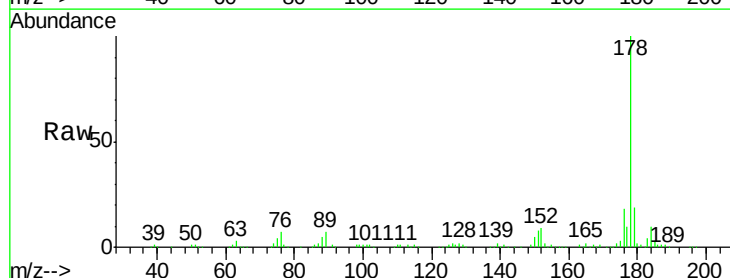
Tgt Ion:178 Resp: 110068

Ion Ratio Lower Upper

178 100

179 19.1 13.4 20.2

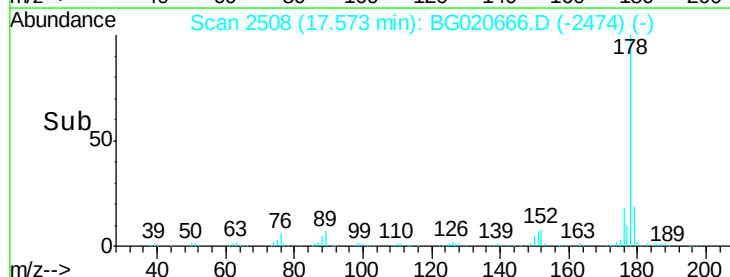
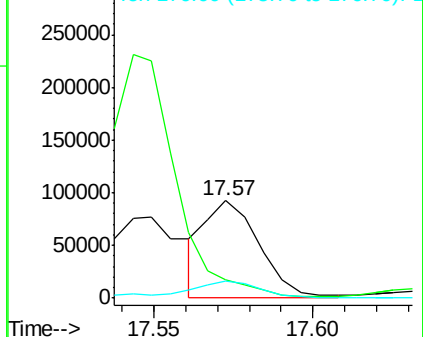
176 18.1 15.4 23.0

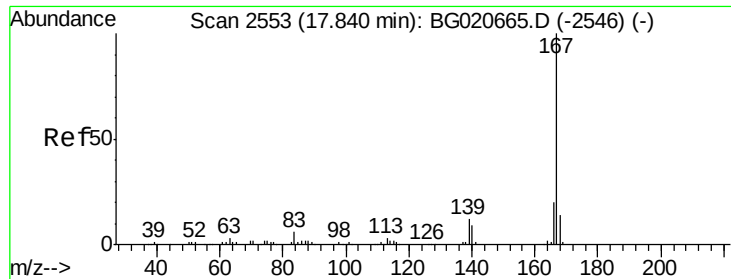


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 304.41 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.02 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

Instrument :

BNA_G

ClientSampleId :

D9N63

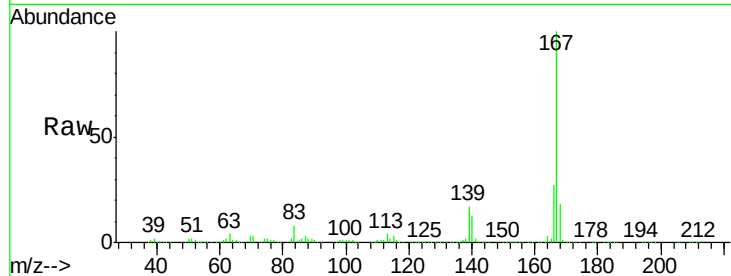
Tgt Ion:167 Resp: 1980724

Ion Ratio Lower Upper

167 100

166 27.4 17.0 25.4#

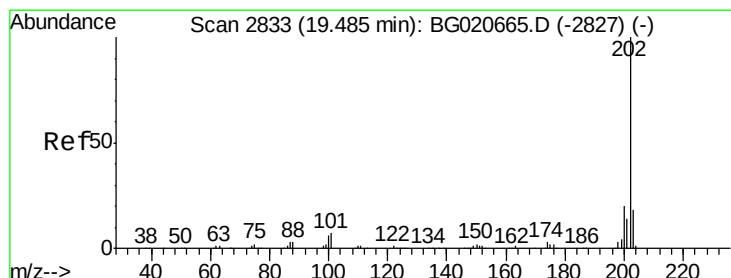
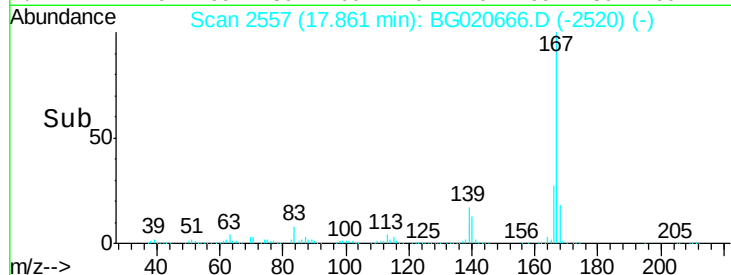
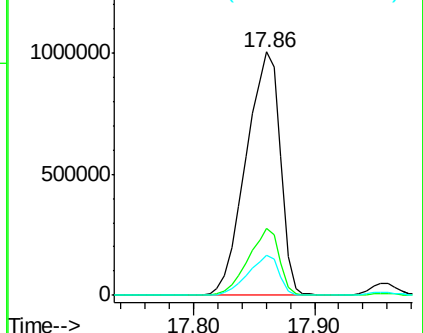
139 16.6 9.1 13.7#



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: 40.89 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BG020666.D

Acq: 5 Jan 2016 22:54

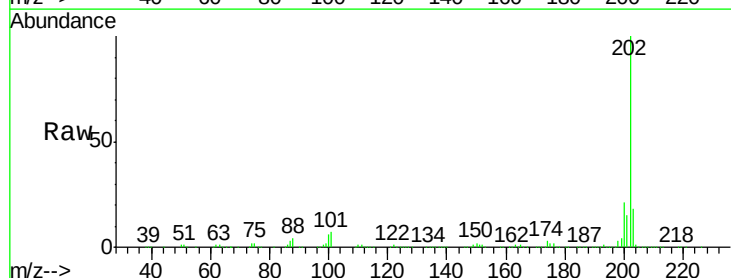
Tgt Ion:202 Resp: 376654

Ion Ratio Lower Upper

202 100

101 7.2 6.1 9.1

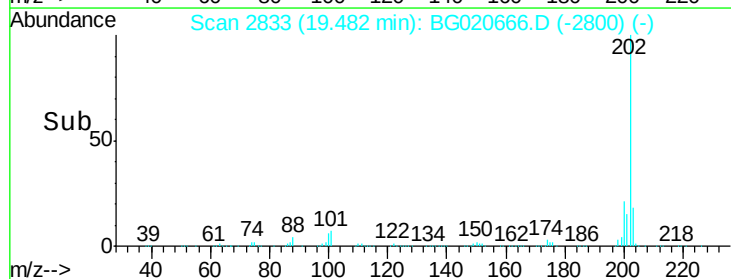
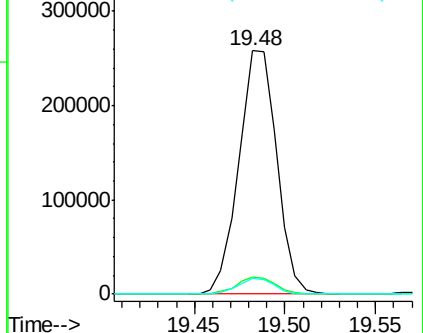
100 6.3 4.6 7.0

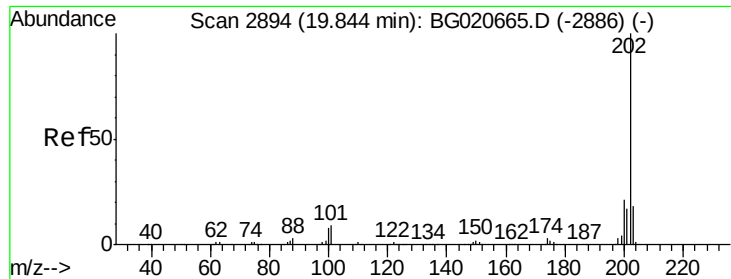


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

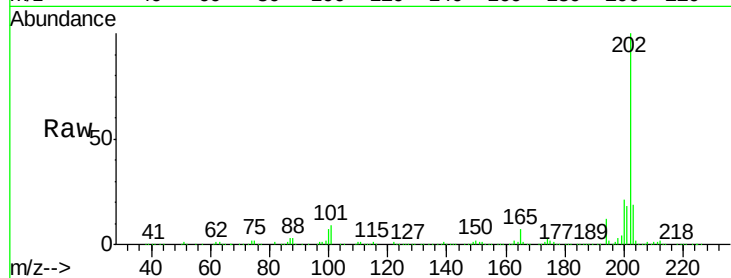




#80
 Pyrene
 Concen: 22.59 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BG020666.D
 Acq: 5 Jan 2016 22:54

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.9	10.3
100	7.3	5.6	8.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

