

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121615\
 Data File : BG020198.D
 Acq On : 15 Dec 2015 20:41
 Operator : UM/SJ
 Sample : G4786-10
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BQ5

Quant Time: Dec 16 02:43:12 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 16 02:38:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21624	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	94628	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	70321	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	180735	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	203506	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	191218	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	390	1.00	ng/uL	0.00
5) Phenol-d5	7.25	99	12645	6.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	37052	32.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	36819	26.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	24873	15.25	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	28017	37.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	30182	36.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	52886	31.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	14653	7.85	ng/ul	-0.02
44) Dimethylphthalate-d6	14.13	166	199718	35.11	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	235416	35.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	7373	7.23	ng/ul	0.00
58) Fluorene-d10	15.72	176	186335	36.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	37583	35.08	ng/ul	0.00
71) Anthracene-d10	17.57	188	297264	35.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	338127	35.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	310003	32.50	ng/ul	-0.01

Target Compounds

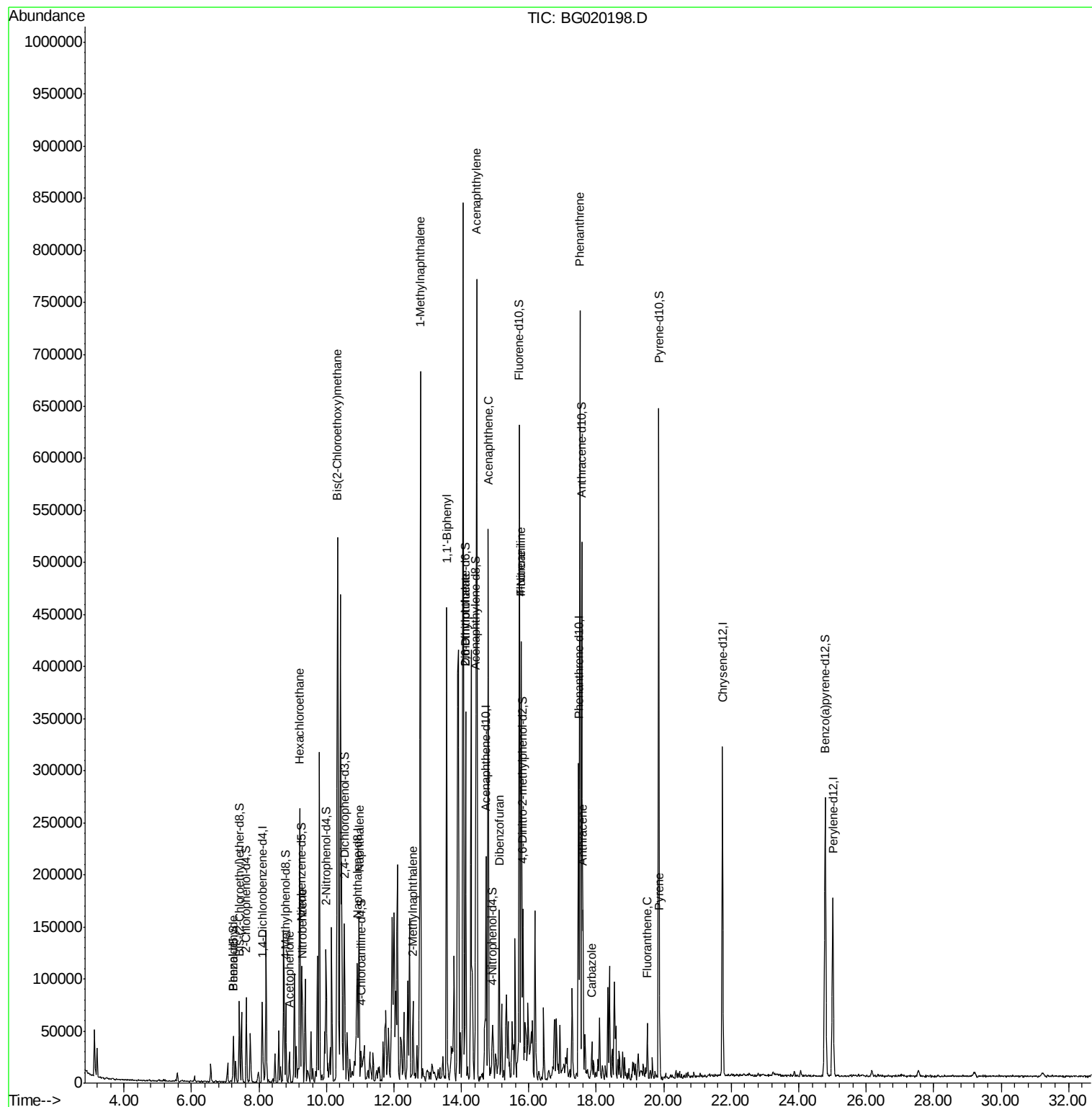
						Qvalue
4) Benzaldehyde	7.24	77	2209	1.79	ng/ul#	1
14) Acetophenone	8.90	105	20636	8.08	ng/ul#	31
17) Hexachloroethane	9.21	117	23678	38.79	ng/ul#	1
20) Nitrobenzene	9.29	77	3397	1.74	ng/ul#	24
25) Bis(2-Chloroethoxy)methane	10.32	93	2596	1.28	ng/ul#	48
28) Naphthalene	10.97	128	100086	20.25	ng/ul#	94
34) 2-Methylnaphthalene	12.56	142	19959	5.29	ng/ul	86
35) 1-Methylnaphthalene	12.78	142	309029	85.16	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	232683	43.86	ng/ul	97
46) 2,6-Dinitrotoluene	14.13	165	2794	2.32	ng/ul#	52
48) Acenaphthylene	14.46	152	377353	53.67	ng/ul#	93
50) Acenaphthene	14.79	153	221647	46.86	ng/ul	99
54) Dibenzofuran	15.13	168	56252	7.99	ng/ul	97
59) Fluorene	15.77	166	214504	37.96	ng/ul	99
61) 4-Nitroaniline	15.77	138	2875	2.28	ng/ul#	10
70) Phenanthrene	17.52	178	479301	48.48	ng/ul	99
72) Anthracene	17.61	178	98383	9.81	ng/ul	99
75) Carbazole	17.87	167	16242	1.93	ng/ul	98
77) Fluoranthene	19.51	202	33005	2.86	ng/ul	99
80) Pyrene	19.87	202	41684	3.38	ng/ul	98

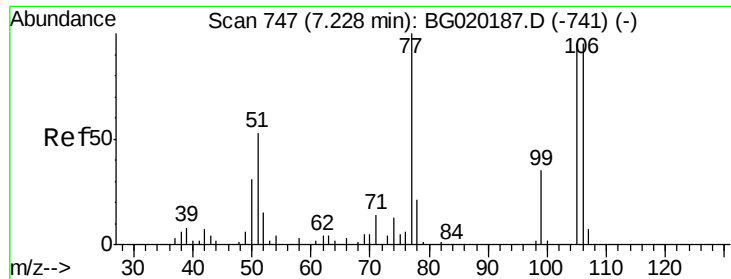
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.79 ng/ul

RT: 7.24 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

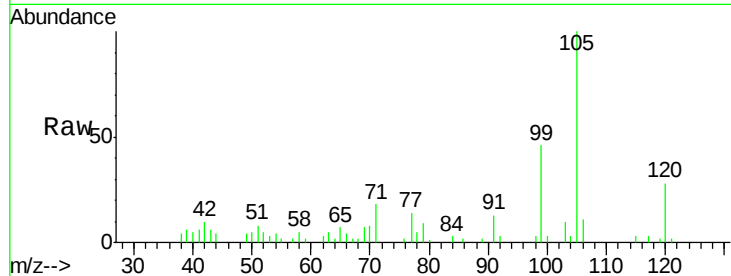
Tgt Ion: 77 Resp: 2209

Ion Ratio Lower Upper

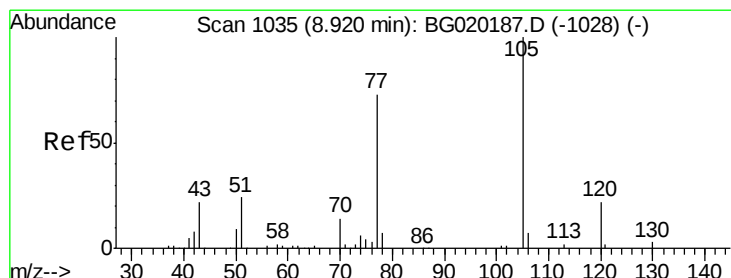
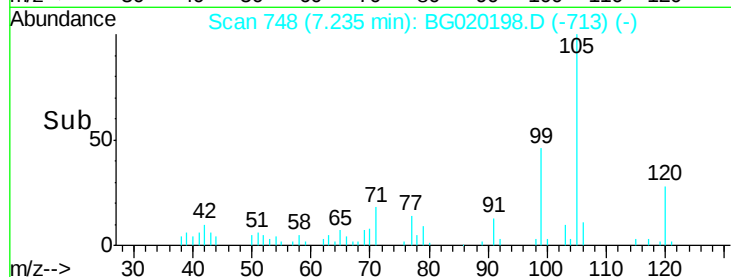
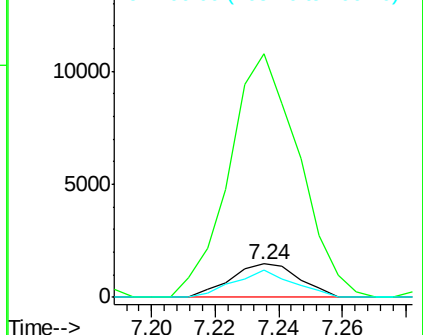
77 100

105 735.4 77.8 116.6#

106 80.9 72.6 109.0



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



#14

Acetophenone

Concen: 8.08 ng/ul

RT: 8.90 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

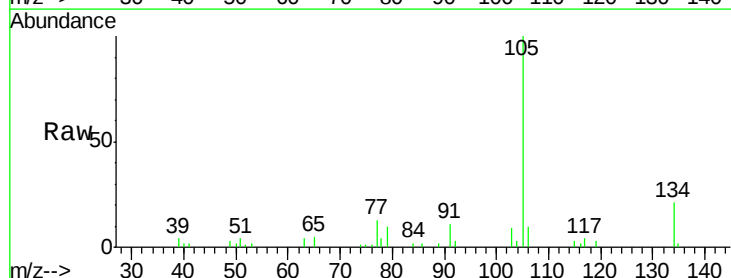
Tgt Ion: 105 Resp: 20636

Ion Ratio Lower Upper

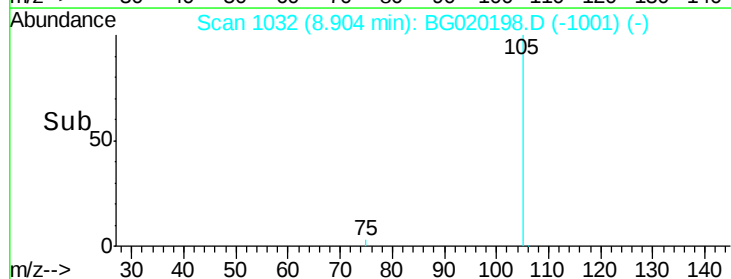
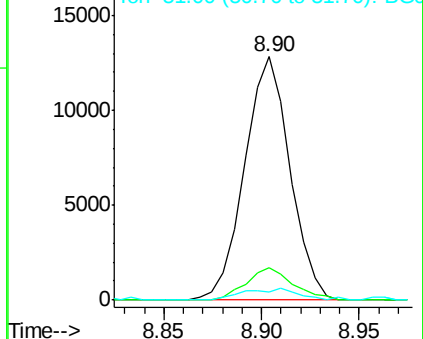
105 100

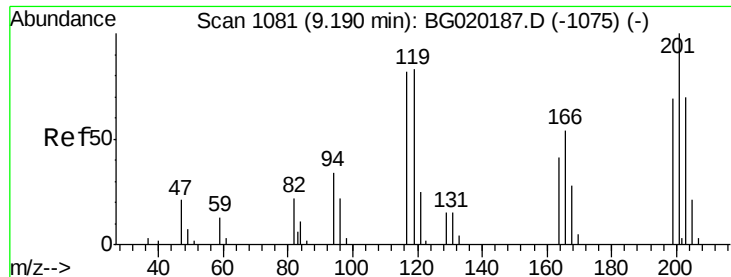
77 13.4 65.2 97.8#

51 3.5 22.6 33.8#



Abundance Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#17

Hexachloroethane

Concen: 38.79 ng/ul

RT: 9.21 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

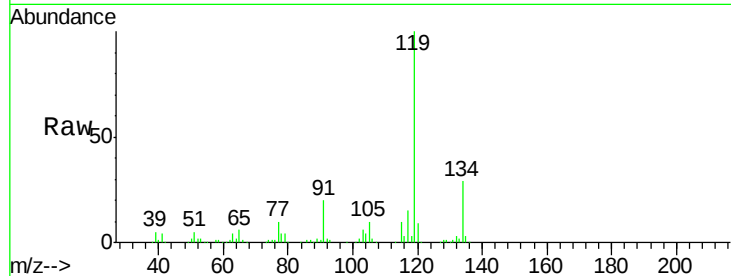
Tgt Ion:117 Resp: 23678

Ion Ratio Lower Upper

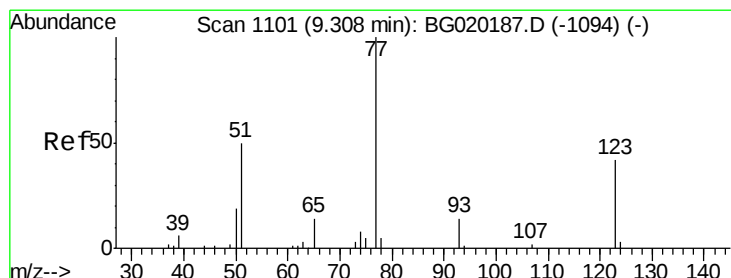
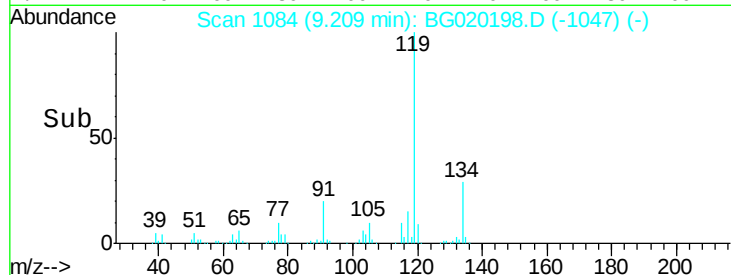
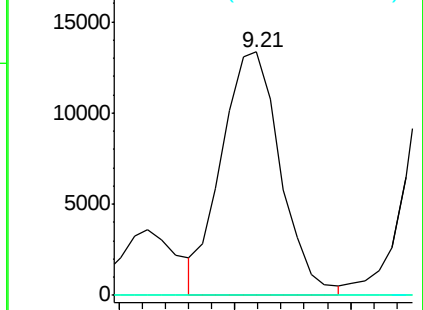
117 100

201 0.0 102.7 154.1#

199 0.0 65.8 98.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.74 ng/ul

RT: 9.29 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

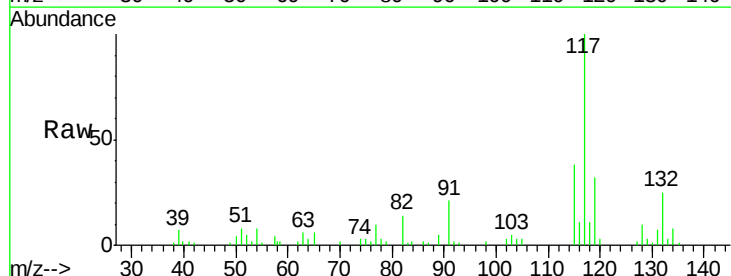
Tgt Ion: 77 Resp: 3397

Ion Ratio Lower Upper

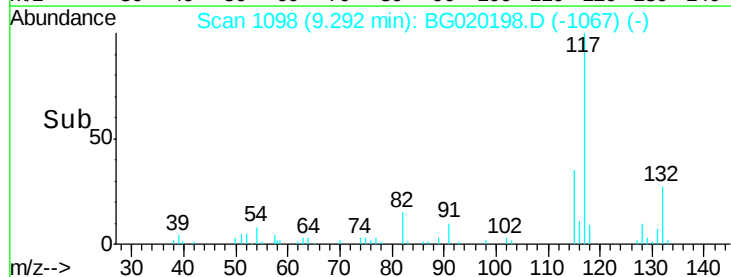
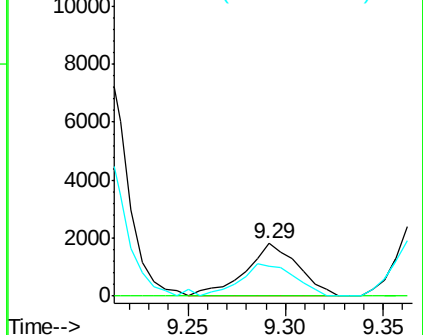
77 100

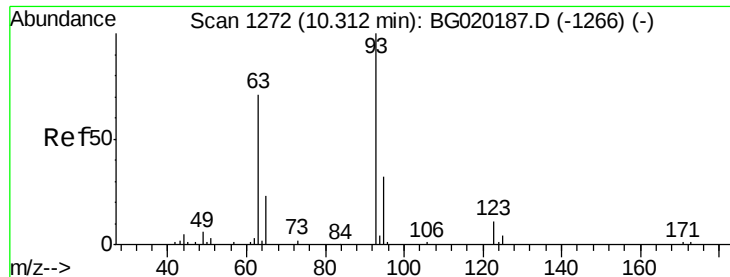
123 0.0 33.4 50.0#

65 56.7 11.7 17.5#



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

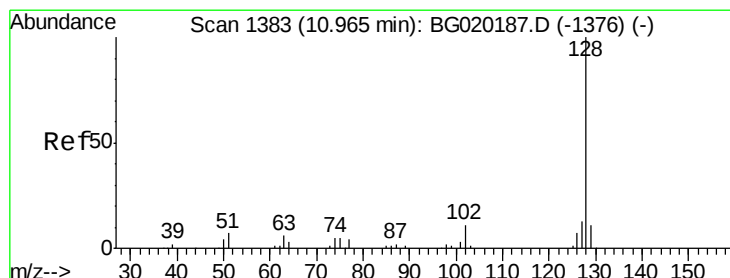
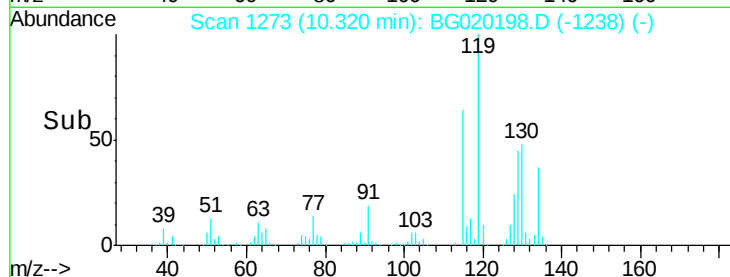
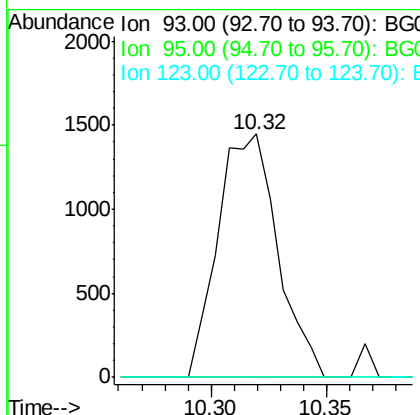
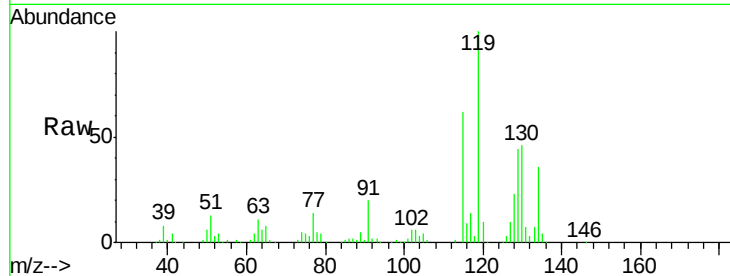




#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.28 ng/ul
 RT: 10.32 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: BG020198.D
 Acq: 15 Dec 2015 20:41

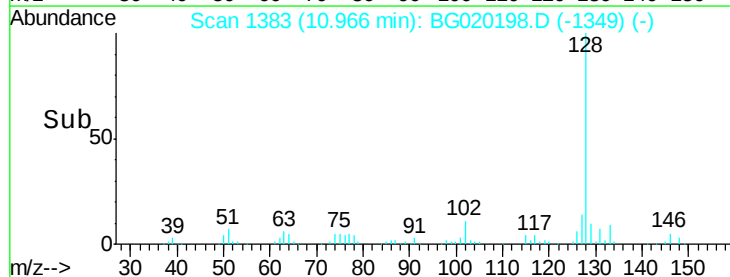
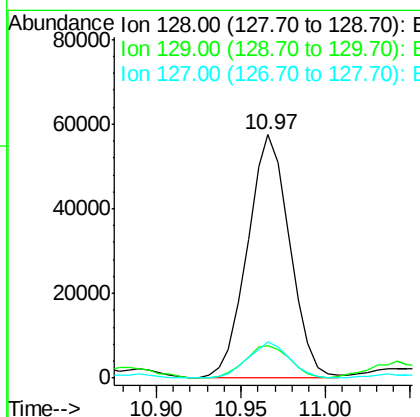
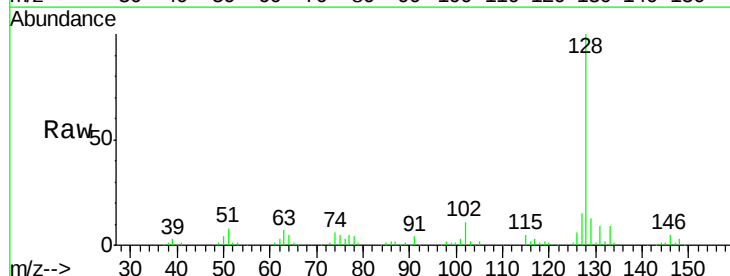
Instrument :
 BNA_G
 ClientSampleId :
 G9BQ5

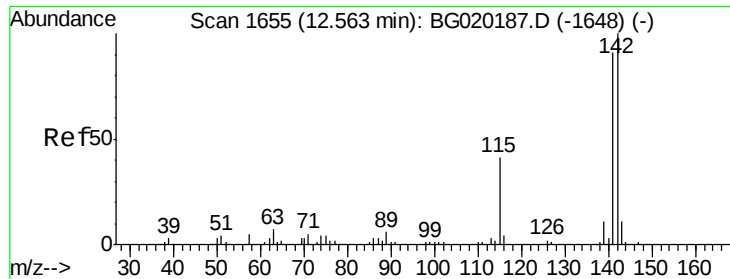
Tgt Ion: 93 Resp: 2596
 Ion Ratio Lower Upper
 93 100
 95 0.0 27.4 41.2#
 123 0.0 9.4 14.0#



#28
 Naphthalene
 Concen: 20.25 ng/ul
 RT: 10.97 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BG020198.D
 Acq: 15 Dec 2015 20:41

Tgt Ion: 128 Resp: 100086
 Ion Ratio Lower Upper
 128 100
 129 13.5 8.6 12.8#
 127 14.7 10.1 15.1

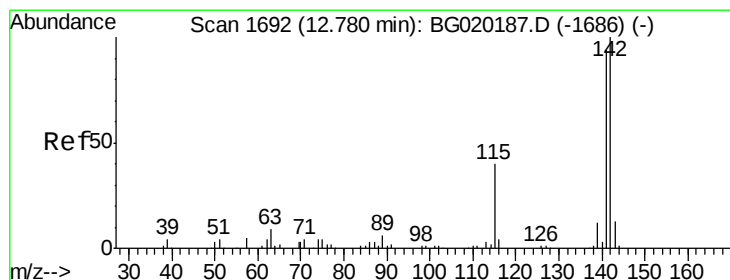
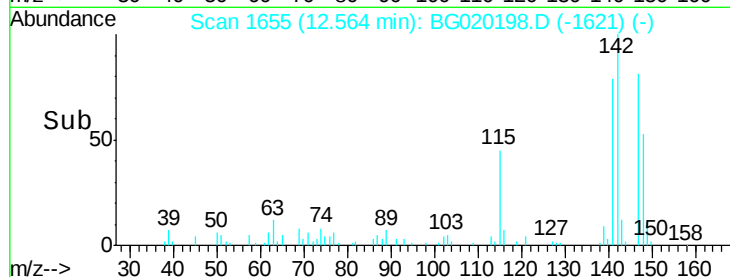
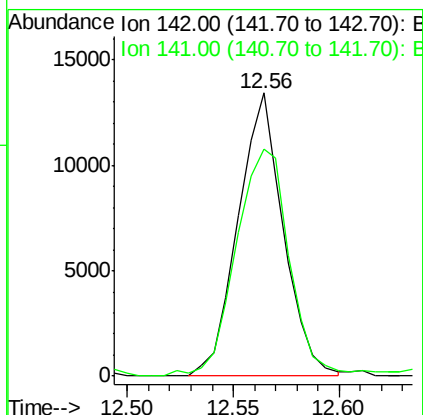
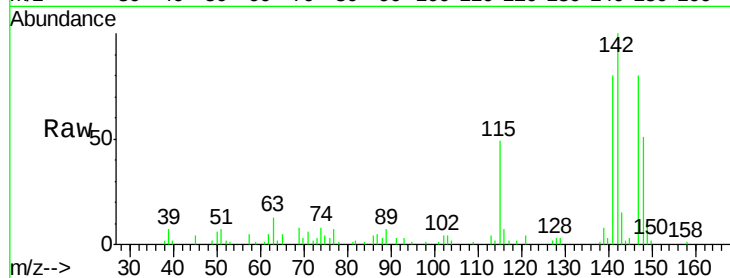




#34
2-Methylnaphthalene
Concen: 5.29 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

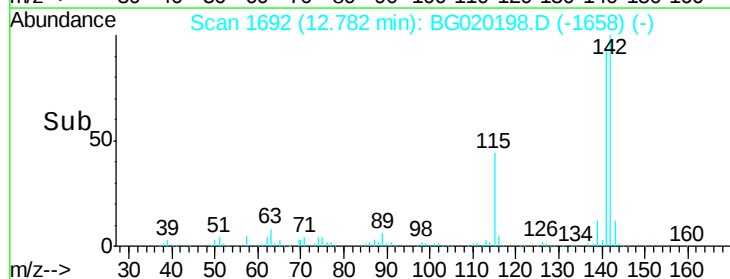
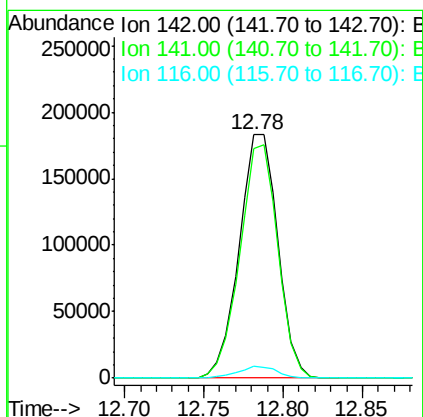
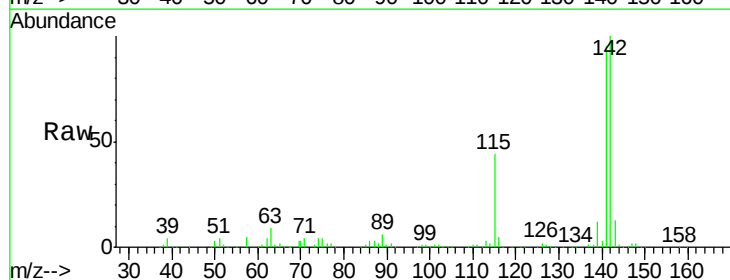
Instrument :
BNA_G
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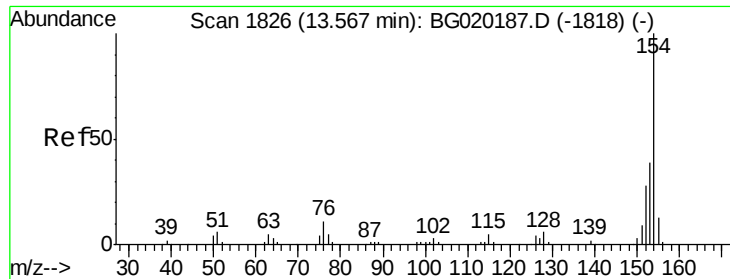
Tgt Ion:142 Resp: 19959
Ion Ratio Lower Upper
142 100
141 80.4 74.9 112.3



#35
1-Methylnaphthalene
Concen: 85.16 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Tgt Ion:142 Resp: 309029
Ion Ratio Lower Upper
142 100
141 94.5 73.0 109.6
116 4.8 3.0 4.6#

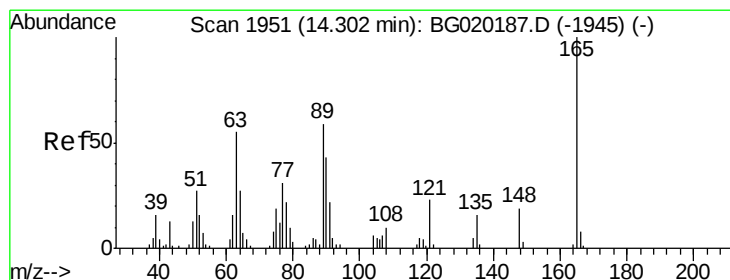
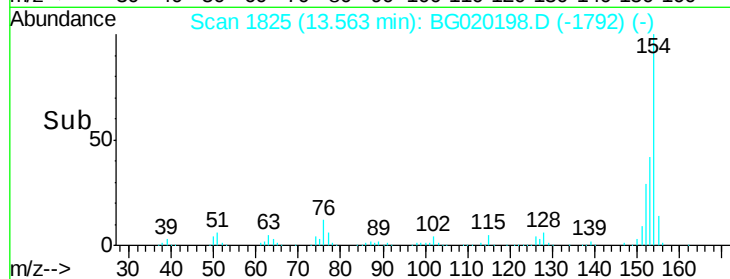
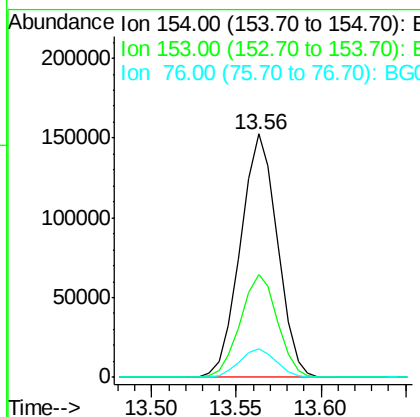
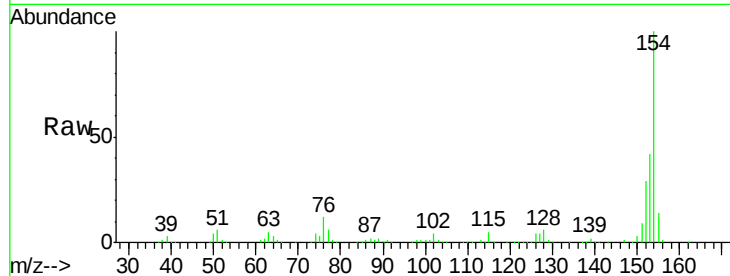




#41
 1,1'-Biphenyl
 Concen: 43.86 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020198.D
 Acq: 15 Dec 2015 20:41

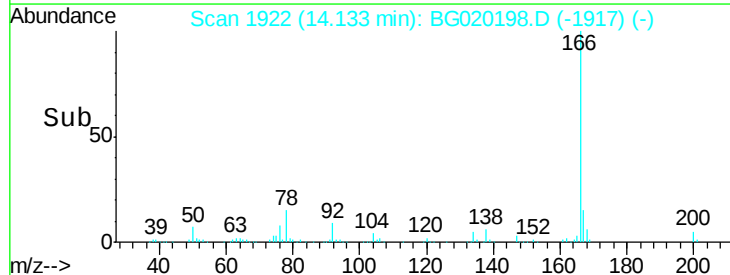
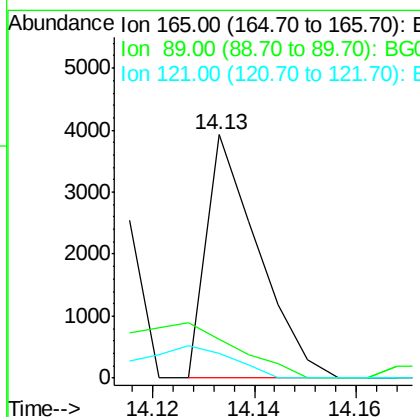
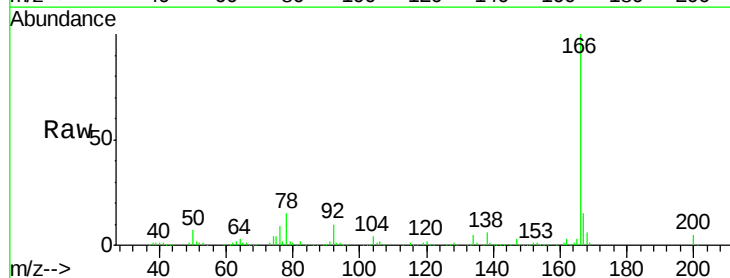
Instrument :
 BNA_G
 ClientSampleId :
 G9BQ5

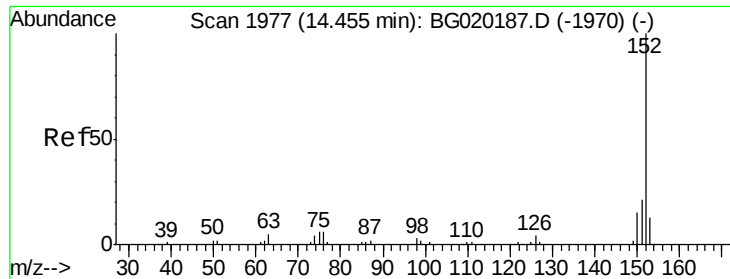
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	35.5	53.3
76	11.6	10.4	15.6



#46
 2,6-Dinitrotoluene
 Concen: 2.32 ng/ul
 RT: 14.13 min Scan# 1922
 Delta R.T. -0.17 min
 Lab File: BG020198.D
 Acq: 15 Dec 2015 20:41

Tgt Ion	Ratio	Lower	Upper
165	100		
89	15.8	47.0	70.4#
121	10.1	17.0	25.6#





#48

Acenaphthylene

Concen: 53.67 ng/ul

RT: 14.46 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

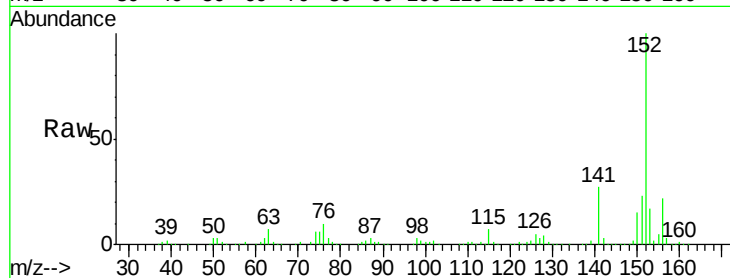
Tgt Ion:152 Resp: 377353

Ion Ratio Lower Upper

152 100

151 23.0 16.4 24.6

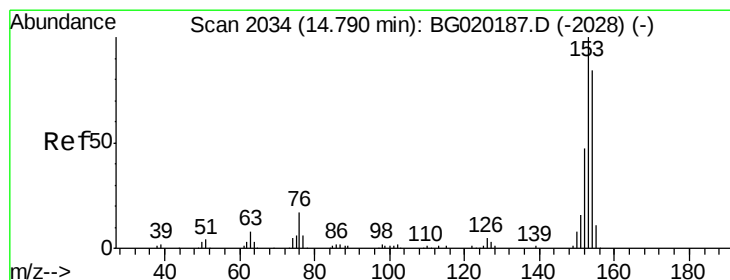
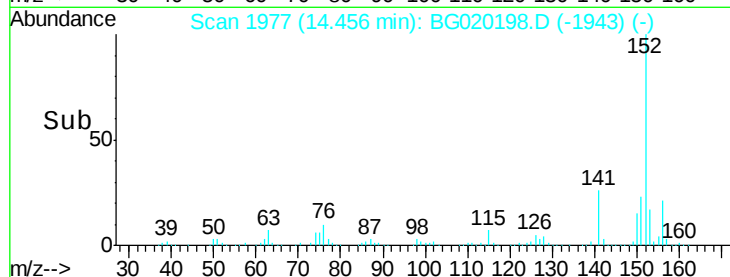
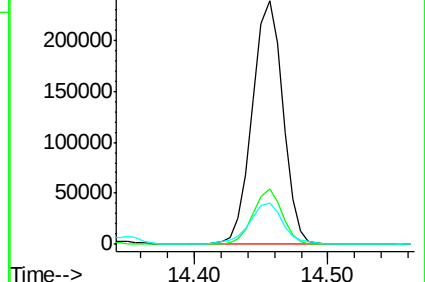
153 17.1 10.4 15.6#



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



#50

Acenaphthene

Concen: 46.86 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

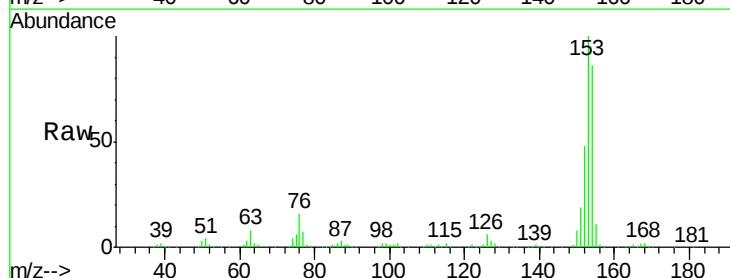
Tgt Ion:153 Resp: 221647

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

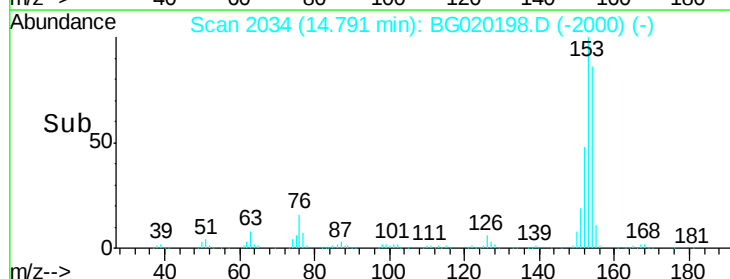
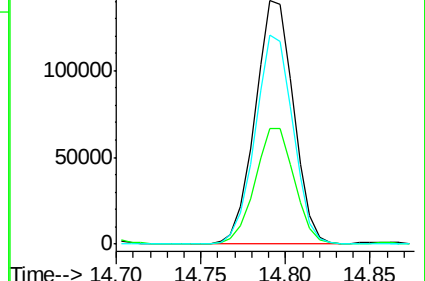
154 85.7 67.9 101.9

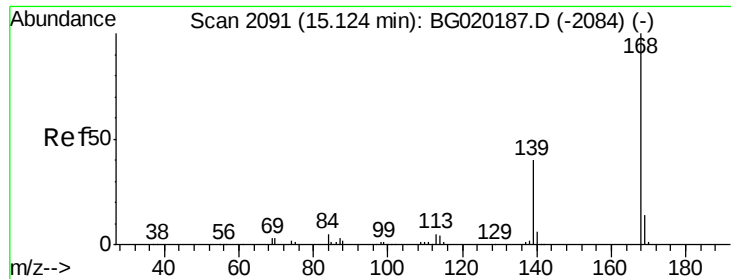


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

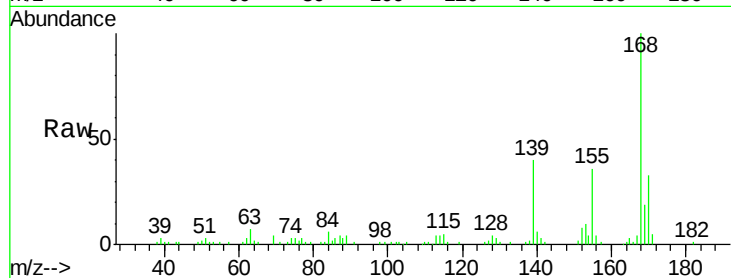




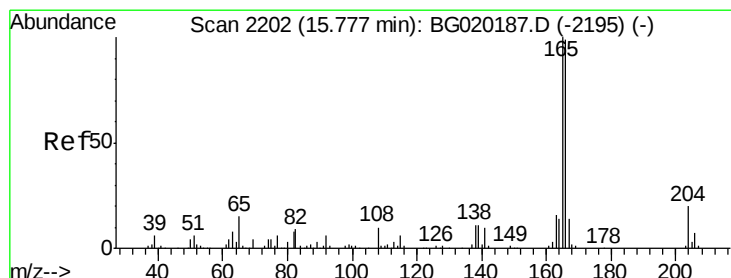
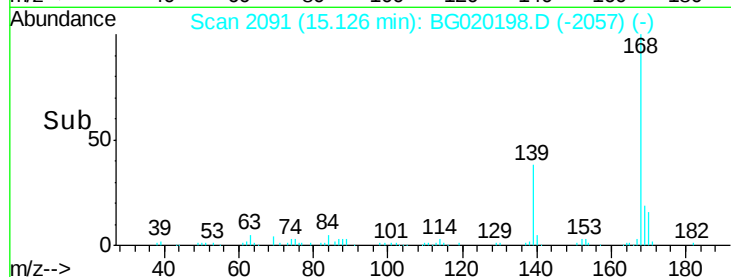
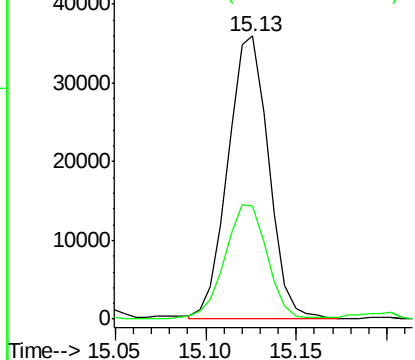
#54
Dibenzenofuran
Concen: 7.99 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Instrument :
BNA_G
ClientSampleId :
G9BQ5

Tgt Ion:168 Resp: 56252
Ion Ratio Lower Upper
168 100
139 39.8 30.5 45.7

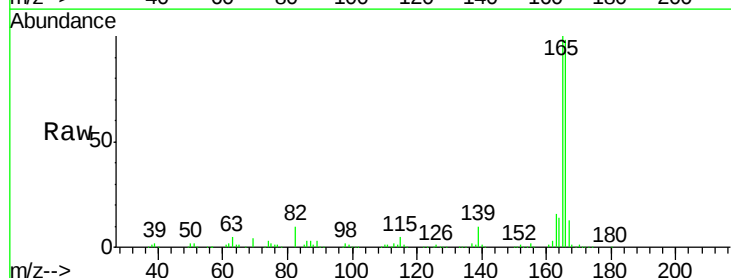


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

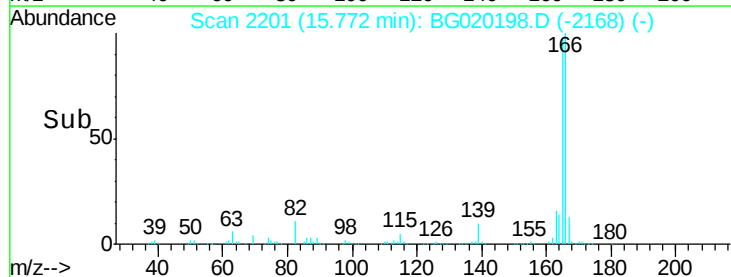
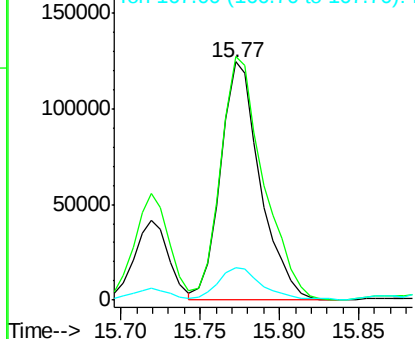


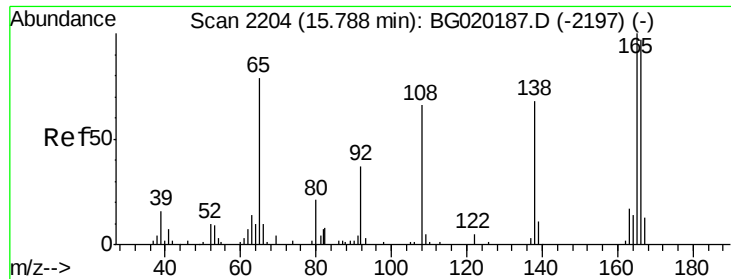
#59
Fluorene
Concen: 37.96 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Tgt Ion:166 Resp: 214504
Ion Ratio Lower Upper
166 100
165 102.3 81.4 122.0
167 13.7 11.2 16.8



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

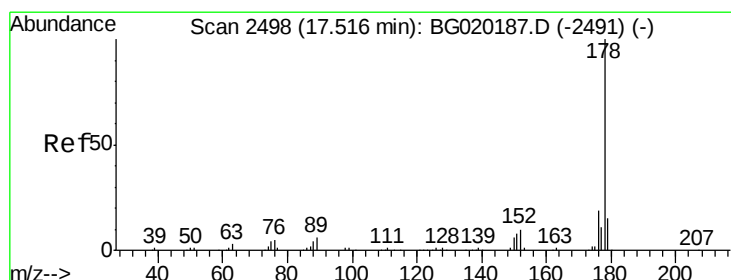
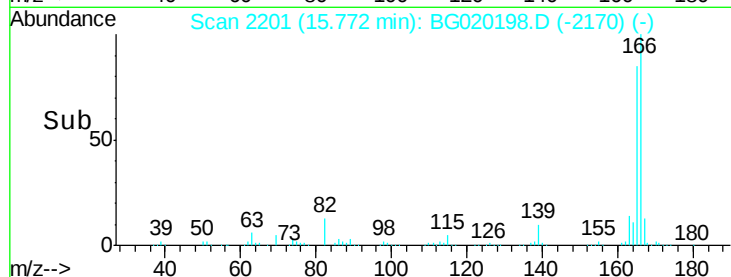
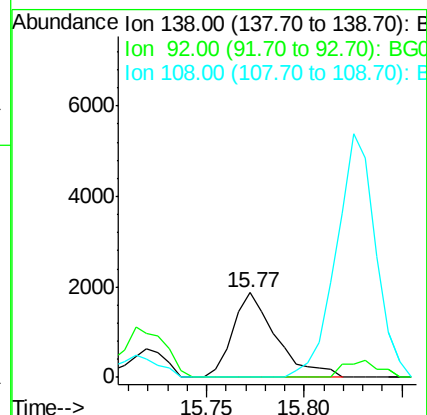
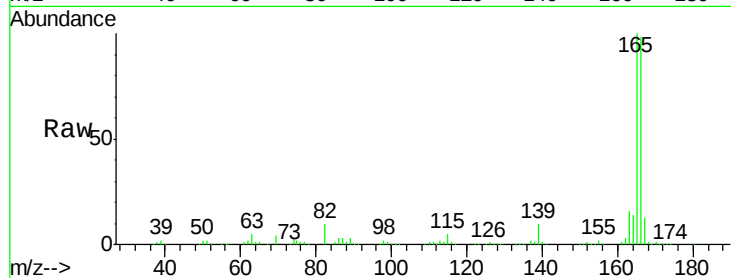




#61
4-Nitroaniline
Concen: 2.28 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

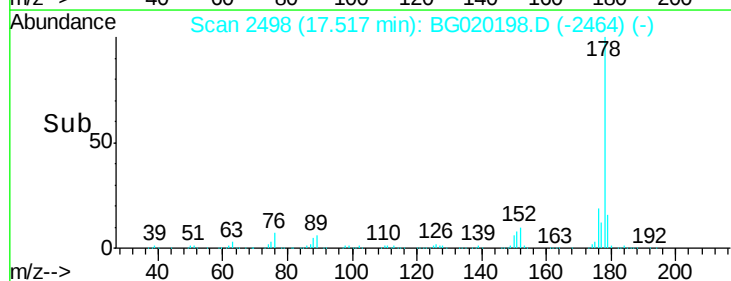
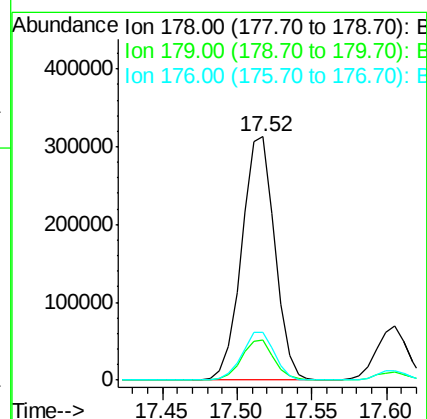
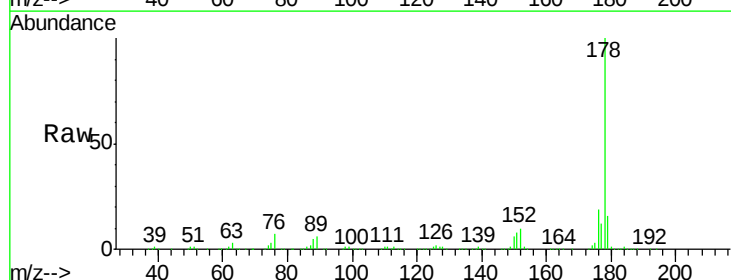
Instrument :
BNA_G
ClientSampleId :
G9BQ5

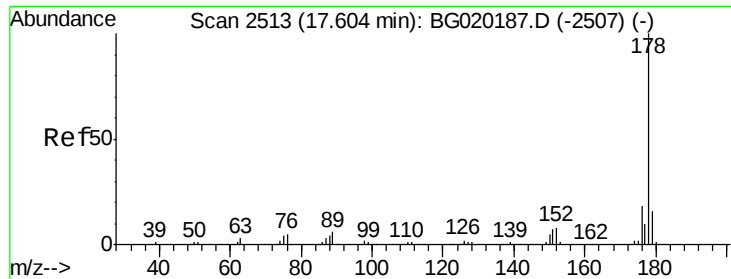
Tgt Ion:138 Resp: 2875
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#



#70
Phenanthrene
Concen: 48.48 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Tgt Ion:178 Resp: 479301
Ion Ratio Lower Upper
178 100
179 16.3 12.9 19.3
176 19.4 15.3 22.9





#72

Anthracene

Concen: 9.81 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

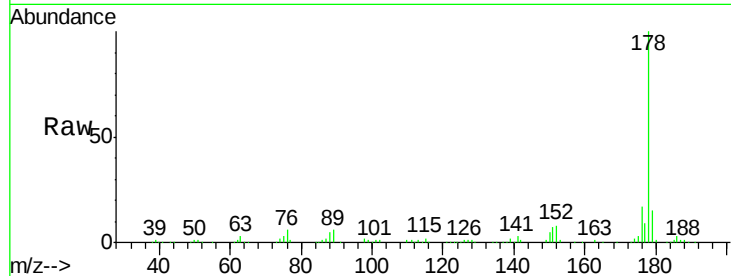
Tgt Ion:178 Resp: 98383

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

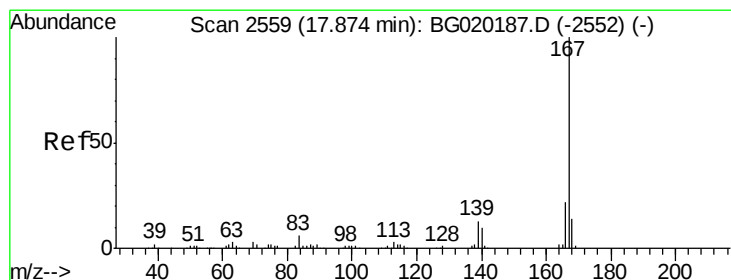
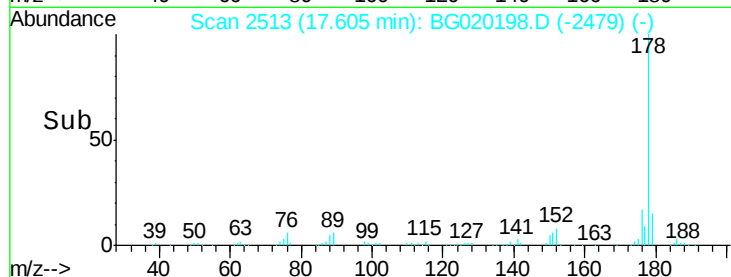
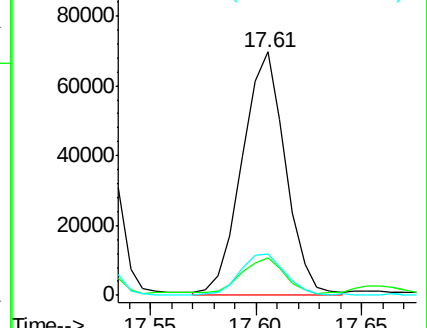
176 17.2 14.3 21.5



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: 1.93 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

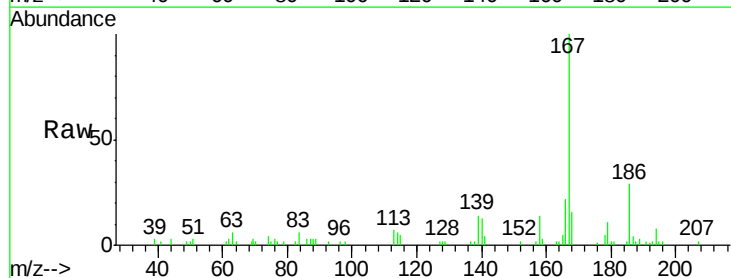
Tgt Ion:167 Resp: 16242

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

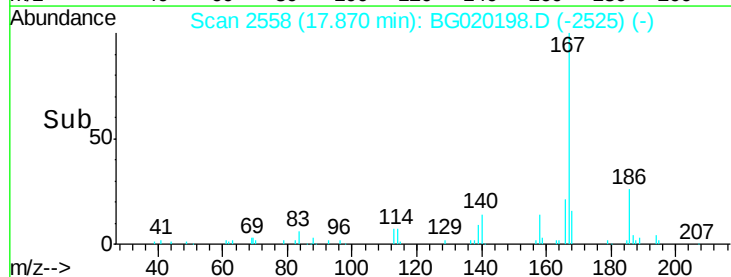
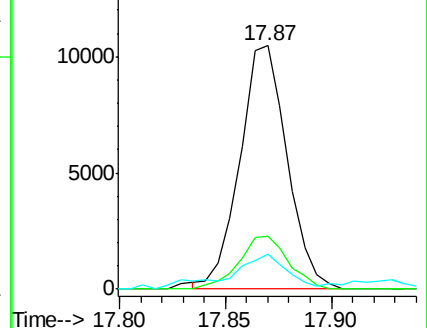
139 14.2 10.1 15.1

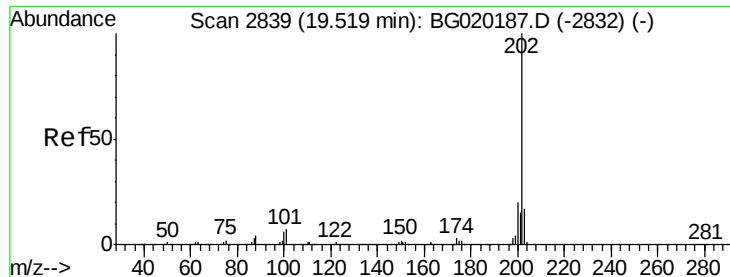


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

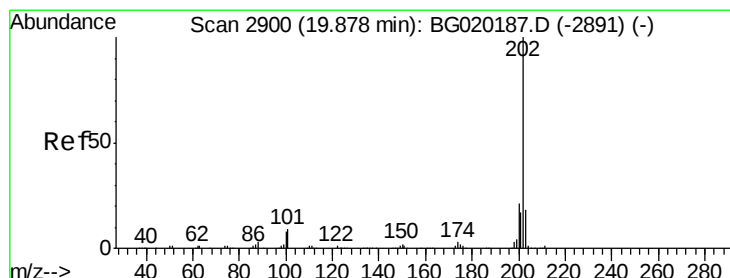
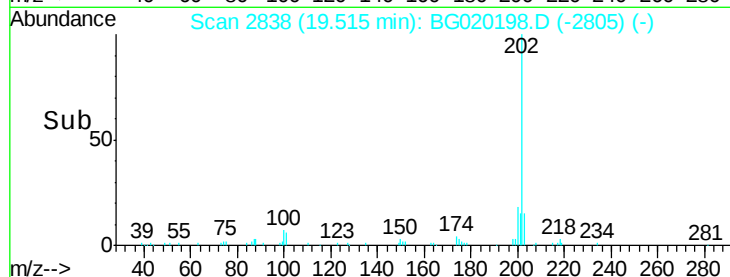
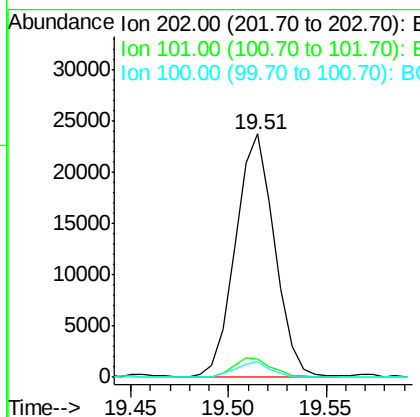
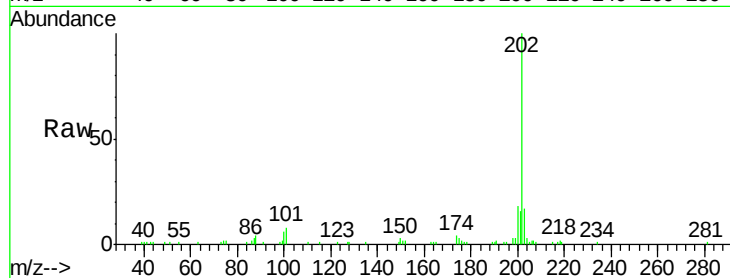




#77
Fluoranthene
Concen: 2.86 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Instrument :
BNA_G
ClientSampleId :
G9BQ5

Tgt Ion:202 Resp: 33005
Ion Ratio Lower Upper
202 100
101 7.6 6.2 9.4
100 6.3 5.1 7.7



#80
Pyrene
Concen: 3.38 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. -0.00 min
Lab File: BG020198.D
Acq: 15 Dec 2015 20:41

Tgt Ion:202 Resp: 41684
Ion Ratio Lower Upper
202 100
101 7.6 7.0 10.4
100 7.6 6.4 9.6

