

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
 Data File : BG020204.D
 Acq On : 16 Dec 2015 00:37
 Operator : UM/SJ
 Sample : G4786-15
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9C88

Quant Time: Dec 16 07:08:44 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 16 03:45:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	25394	20.00	ng/ul	0.00
18) Naphthalene-d8	10.94	136	109882	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.73	164	83448	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	168087	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	197642	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188178	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	595	1.29	ng/uL	0.00
5) Phenol-d5	7.25	99	14383	6.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	37012	27.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	38089	23.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	28766	15.02	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	35446	41.38	ng/ul	0.01
22) 2-Nitrophenol-d4	10.00	143	29951	31.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	51398	26.62	ng/ul	0.02
29) 4-Chloroaniline-d4	11.04	131	10629	4.90	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	172352	25.53	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	209704	26.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	7681	6.34	ng/ul	0.02
58) Fluorene-d10	15.72	176	159885	26.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	31925	32.04	ng/ul	0.00
71) Anthracene-d10	17.57	188	236669	30.56	ng/ul	0.00
79) Pyrene-d10	19.86	212	263781	28.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	289942	30.89	ng/ul	0.00

Target Compounds

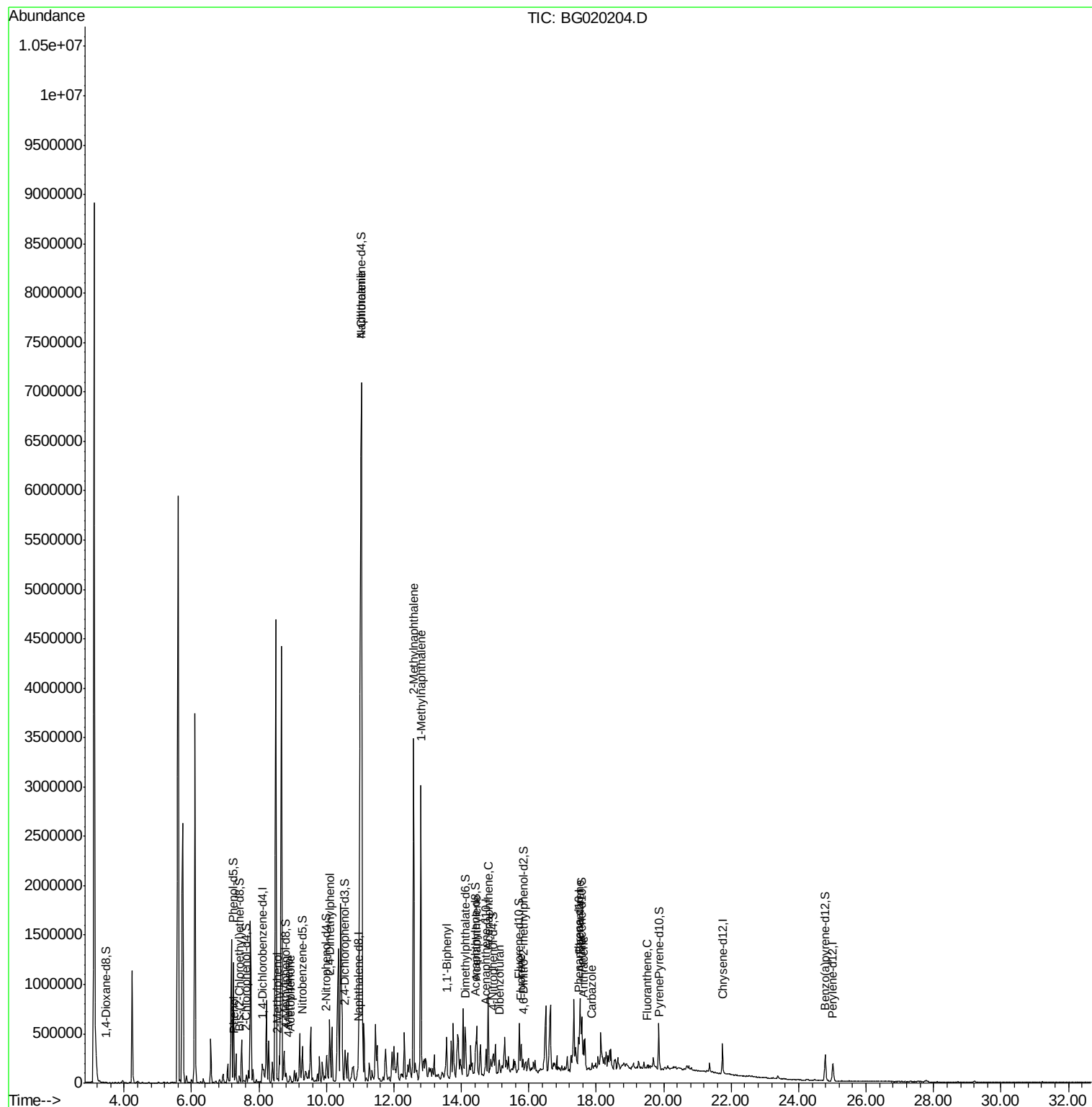
					Ovalue
6) Phenol	7.28	94	14141	5.90	ng/ul 96
11) 2-Methylphenol	8.54	108	6687	3.66	ng/ul 99
14) Acetophenone	8.93	105	44575	14.87	ng/ul 94
16) 4-Methylphenol	8.86	108	3630	1.79	ng/ul 81
24) 2,4-Dimethylphenol	10.10	107	252650	108.86	ng/ul 99
28) Naphthalene	11.04	128	7356515	1282.02	ng/ul# 46
34) 2-Methylnaphthalene	12.59	142	1691732	385.97	ng/ul 99
35) 1-Methylnaphthalene	12.80	142	1370092	325.14	ng/ul# 95
41) 1,1'-Biphenyl	13.56	154	125084	19.87	ng/ul 97
48) Acenaphthylene	14.46	152	75820	9.09	ng/ul# 80
50) Acenaphthene	14.80	153	344807	61.42	ng/ul 99
54) Dibenzofuran	15.13	168	47697	5.71	ng/ul 96
59) Fluorene	15.77	166	134904	20.12	ng/ul 99
70) Phenanthrene	17.52	178	268149	29.17	ng/ul 99
72) Anthracene	17.60	178	58295	6.25	ng/ul 97
75) Carbazole	17.88	167	45215	5.77	ng/ul# 96
77) Fluoranthene	19.52	202	27880	2.59	ng/ul 98
80) Pyrene	19.88	202	43655	3.65	ng/ul 99

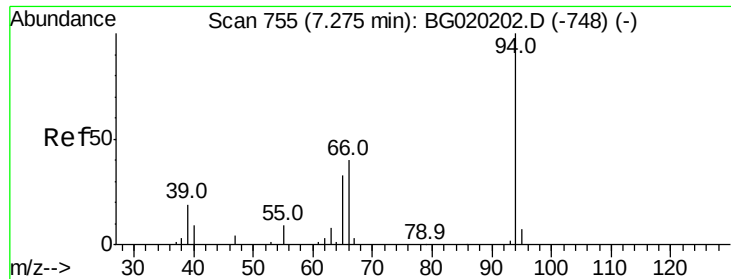
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.90 ng/ul

RT: 7.28 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

Instrument :

BNA_G

ClientSampleId :

G9C88

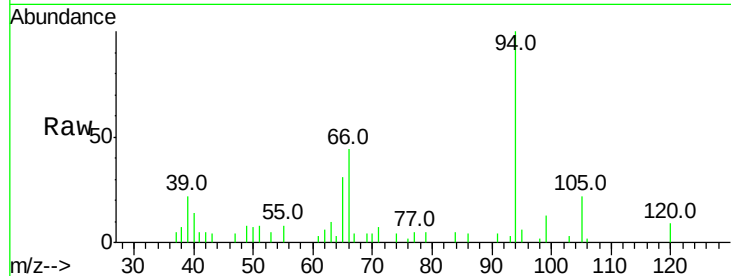
Tot Ion: 94 Resp: 14141

Ion Ratio Lower Upper

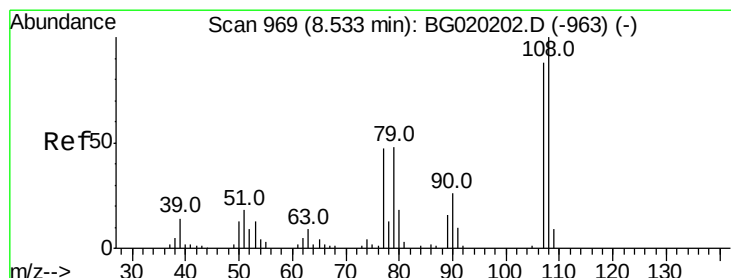
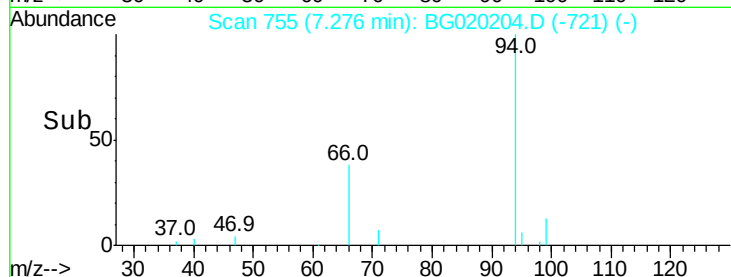
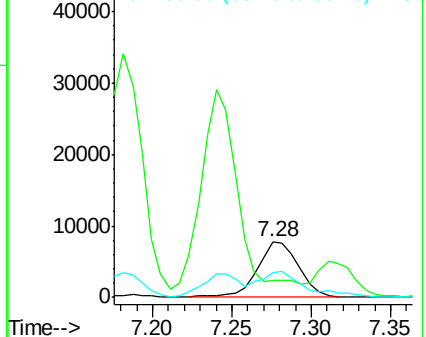
94 100

65 30.7 26.3 39.5

66 43.7 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

2-Methylphenol

Concen: 3.66 ng/ul

RT: 8.54 min Scan# 971

Delta R.T. 0.01 min

Lab File: BG020204.D

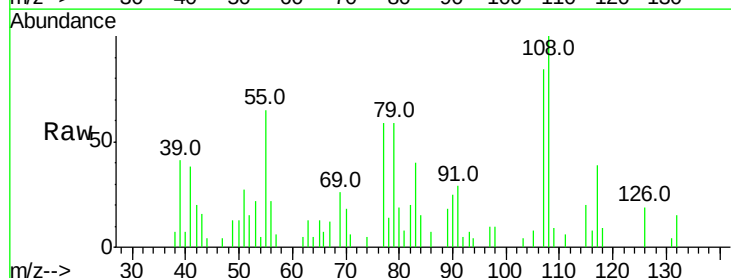
Acq: 16 Dec 2015 00:37

Tgt Ion: 108 Resp: 6687

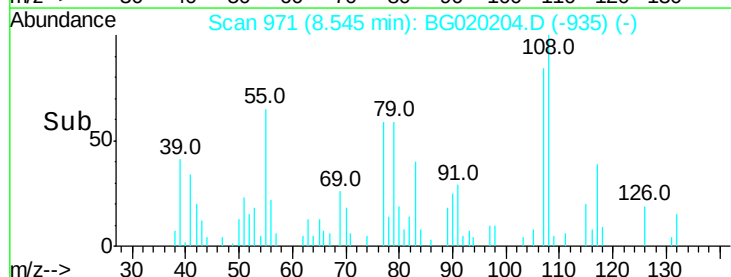
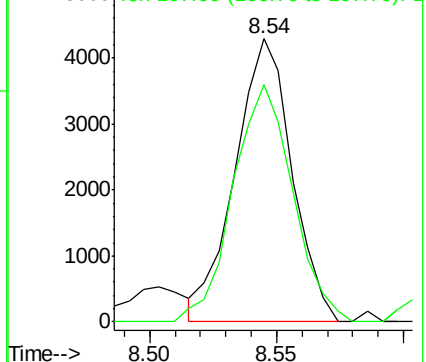
Ion Ratio Lower Upper

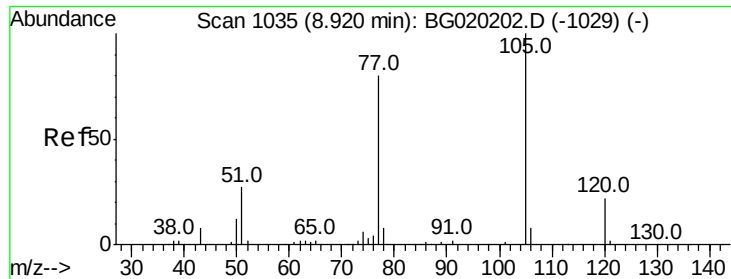
108 100

107 83.9 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): BGC
Ion 107.00 (106.70 to 107.70): BGC





#14

Acetophenone

Concen: 14.87 ng/ul

RT: 8.93 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

Instrument :

BNA_G

ClientSampleId :

G9C88

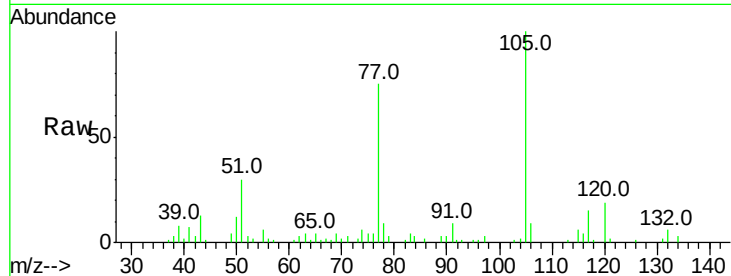
Tot Ion:105 Resp: 44575

Ion Ratio Lower Upper

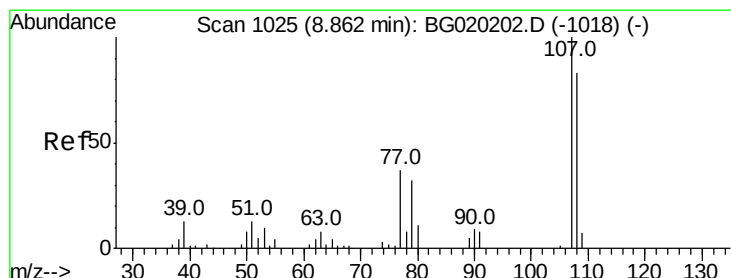
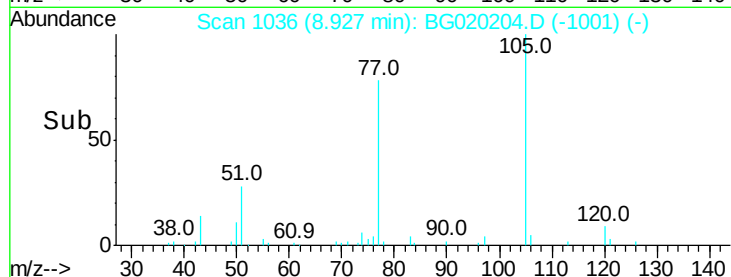
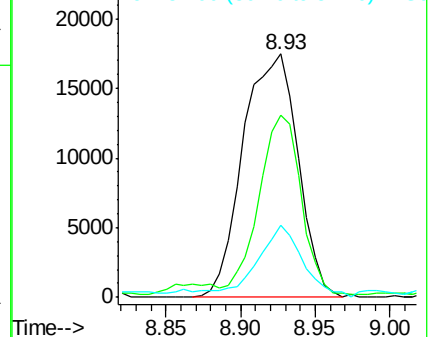
105 100

77 74.9 65.2 97.8

51 29.8 22.6 33.8



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



#16

4-Methylphenol

Concen: 1.79 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG020204.D

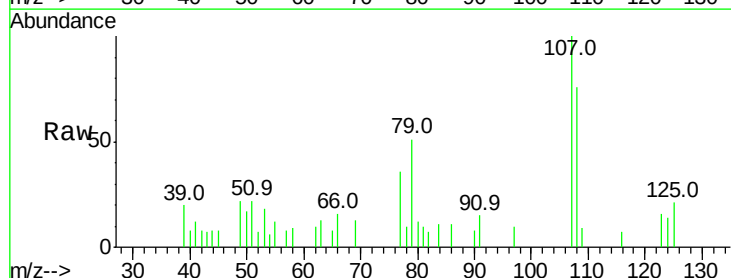
Acq: 16 Dec 2015 00:37

Tgt Ion:108 Resp: 3630

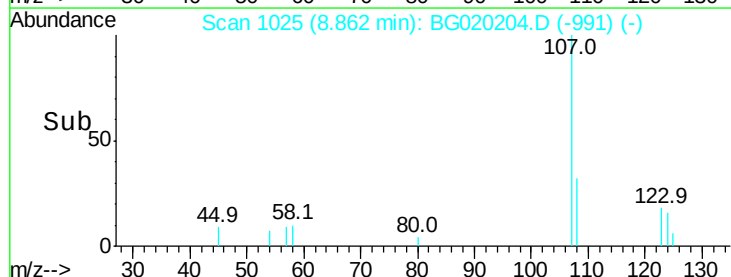
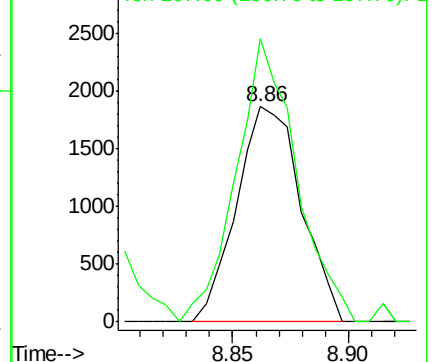
Ion Ratio Lower Upper

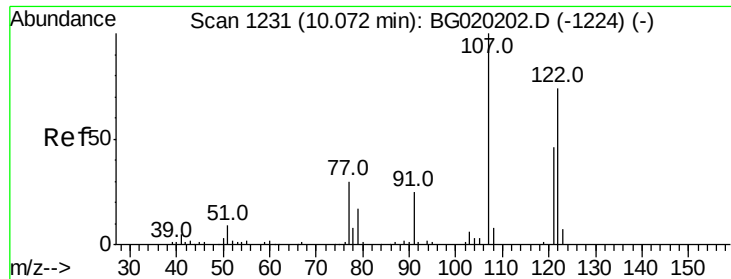
108 100

107 131.5 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

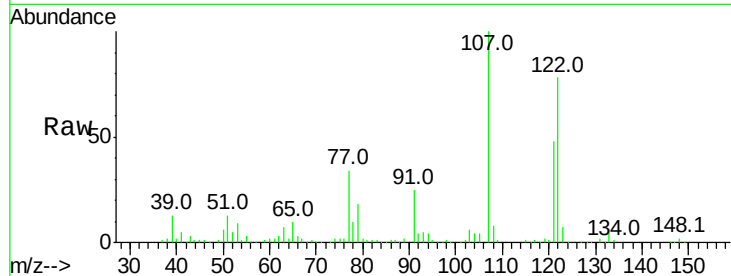




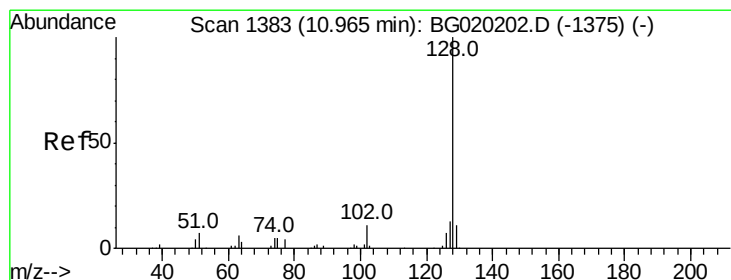
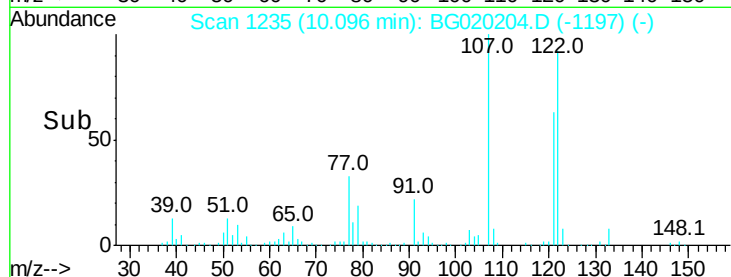
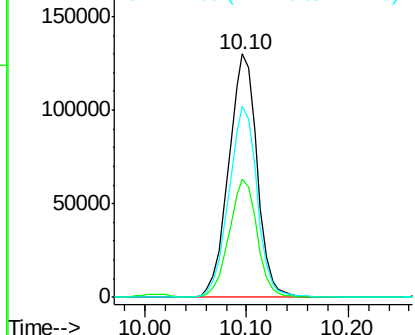
#24
2,4-Dimethylphenol
Concen: 108.86 ng/ul
RT: 10.10 min Scan# 1235
Delta R.T. 0.02 min
Lab File: BG020204.D
Acq: 16 Dec 2015 00:37

Instrument :
BNA_G
ClientSampleId :
G9C88

Tot Ion:107 Resp: 252650
Ion Ratio Lower Upper
107 100
121 48.4 39.0 58.4
122 78.3 62.1 93.1

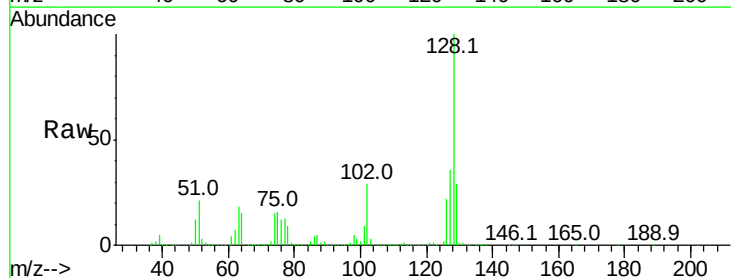


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

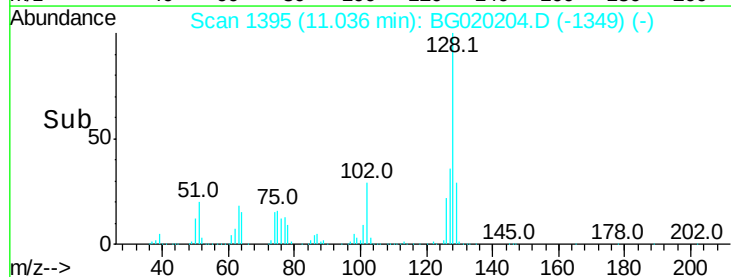
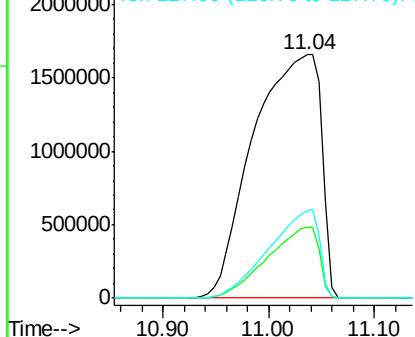


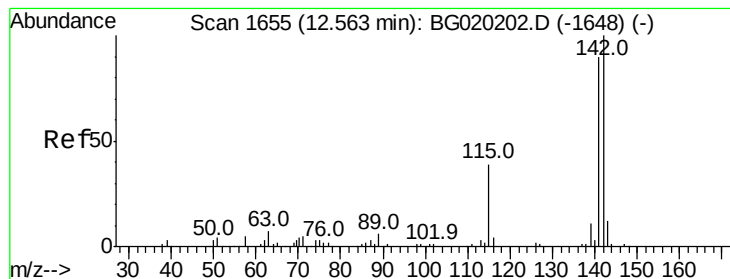
#28
Naphthalene
Concen: 1282.02 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. 0.07 min
Lab File: BG020204.D
Acq: 16 Dec 2015 00:37

Tgt Ion:128 Resp: 7356515
Ion Ratio Lower Upper
128 100
129 29.3 8.6 12.8#
127 35.7 10.1 15.1#



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





#34

2-Methylnaphthalene

Concen: 385.97 ng/ul

RT: 12.59 min Scan# 1659

Delta R.T. 0.02 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

Instrument :

BNA_G

ClientSampleId :

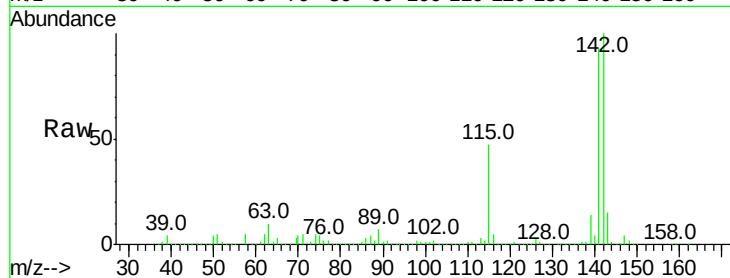
G9C88

Tot Ion:142 Resp: 1691732

Ion Ratio Lower Upper

142 100

141 93.0 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.59

800000

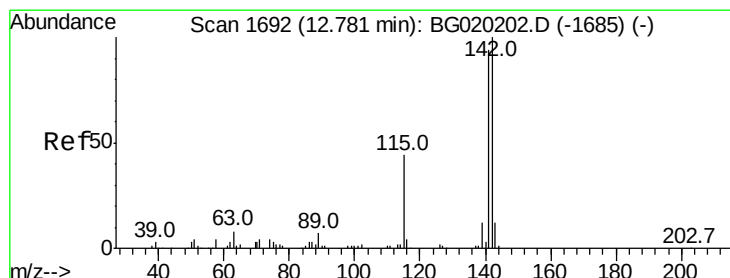
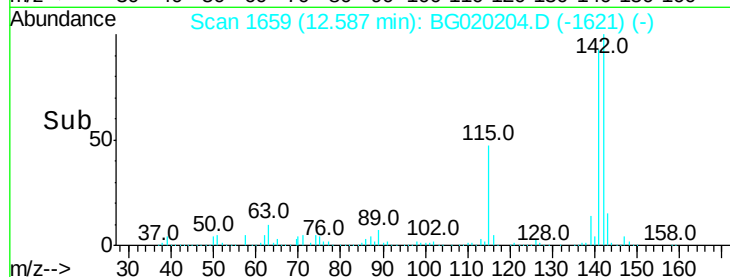
600000

400000

200000

0

Time-->



#35

1-Methylnaphthalene

Concen: 325.14 ng/ul

RT: 12.80 min Scan# 1696

Delta R.T. 0.02 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

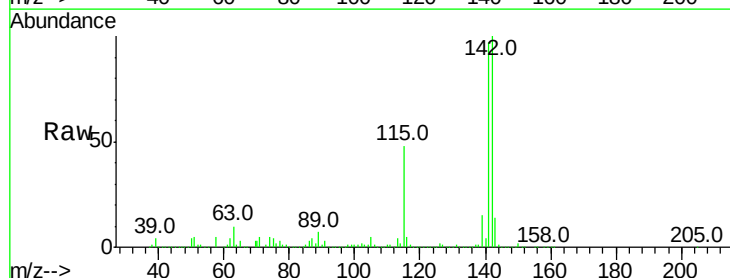
Tgt Ion:142 Resp: 1370092

Ion Ratio Lower Upper

142 100

141 96.5 73.0 109.6

116 5.3 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.80

800000

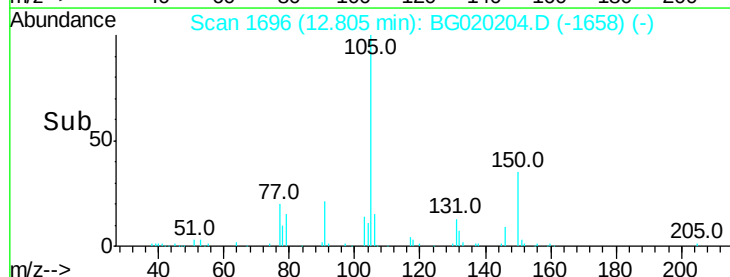
600000

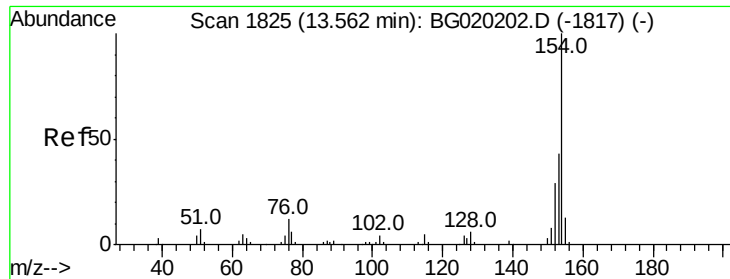
400000

200000

0

Time-->

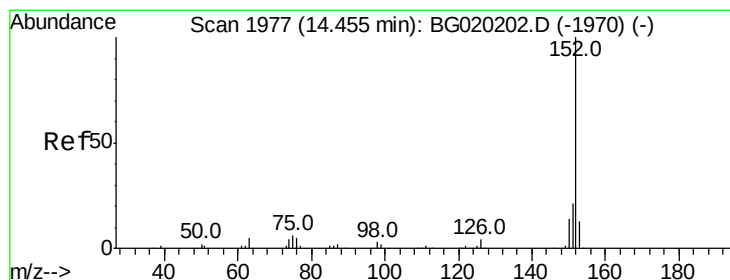
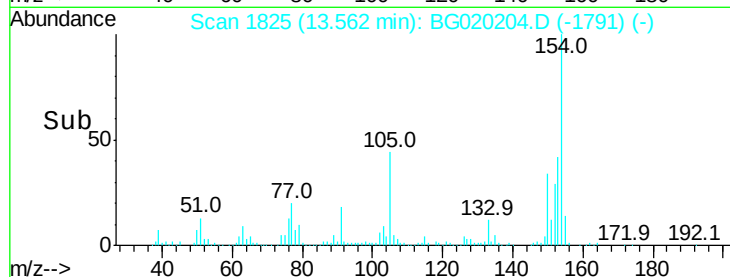
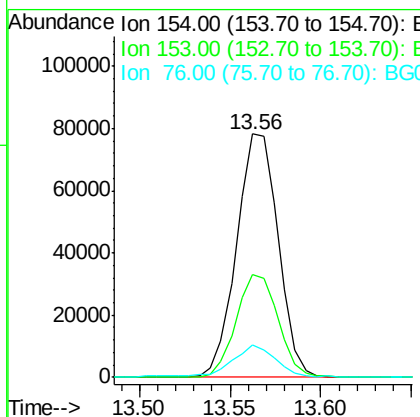
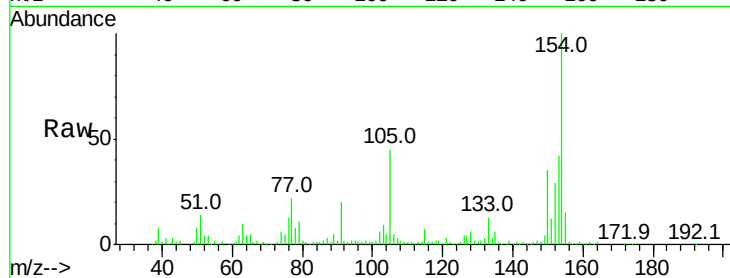




#41
 1,1'-Biphenyl
 Concen: 19.87 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

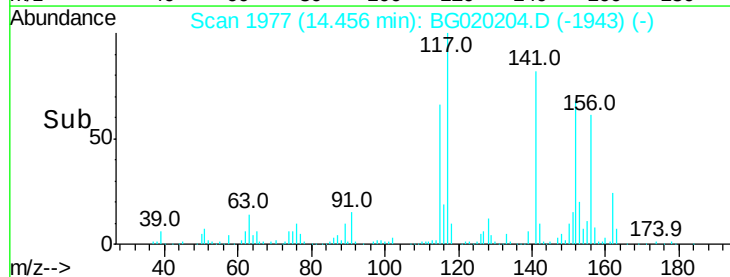
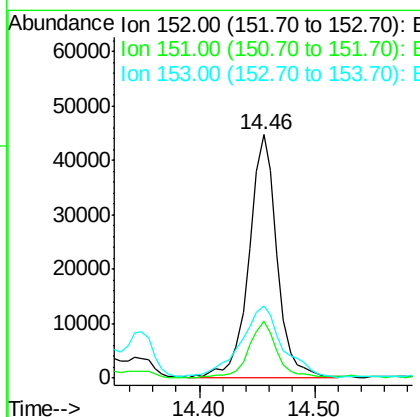
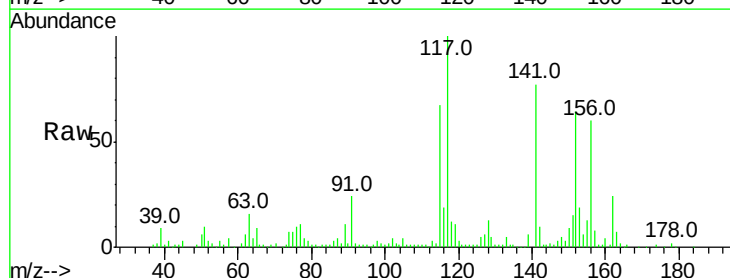
Instrument :
 BNA_G
 ClientSampleId :
 G9C88

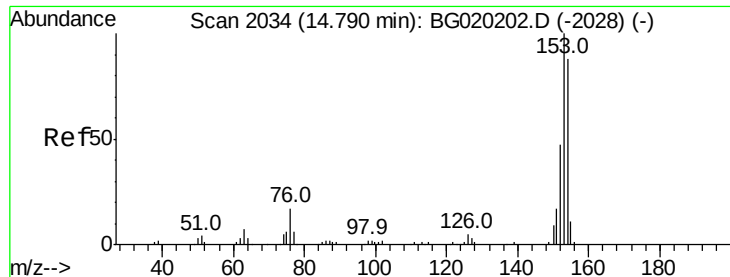
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	13.5	10.4	15.6



#48
 Acenaphthylene
 Concen: 9.09 ng/ul
 RT: 14.46 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.4	24.6
153	29.8	10.4	15.6#





#50

Acenaphthene

Concen: 61.42 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

Instrument :

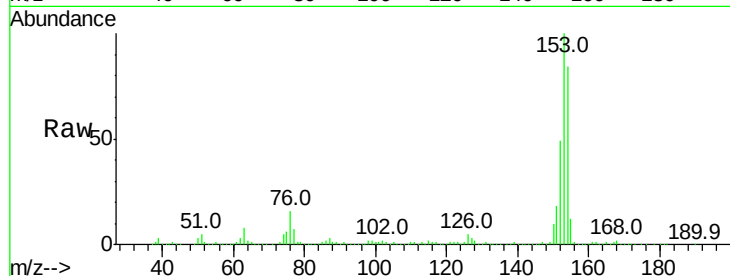
BNA_G

ClientSampleId :

G9C88

Tot Ion:153 Resp: 344807

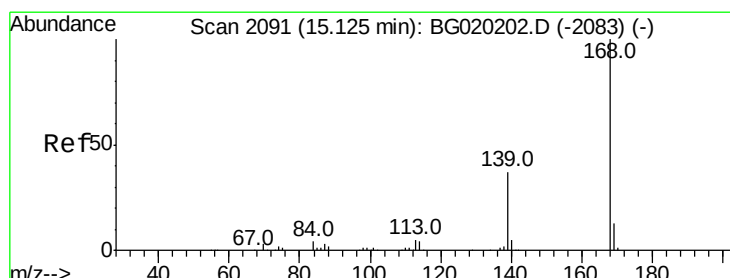
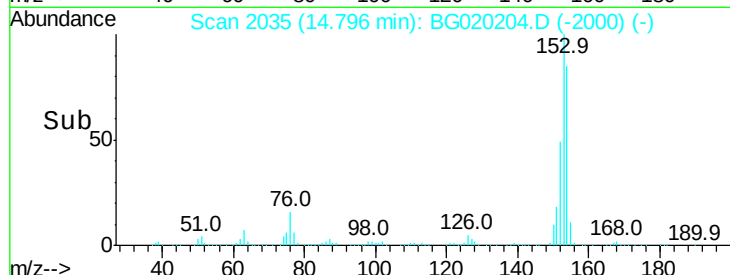
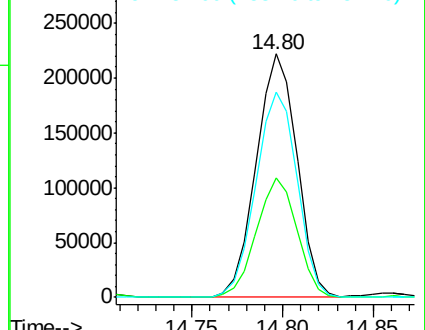
Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.6	56.4
154	84.4	67.9	101.9



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

Dibenzofuran

Concen: 5.71 ng/ul

RT: 15.13 min Scan# 2091

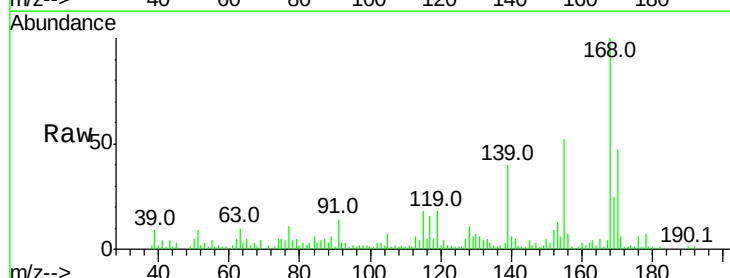
Delta R.T. 0.00 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

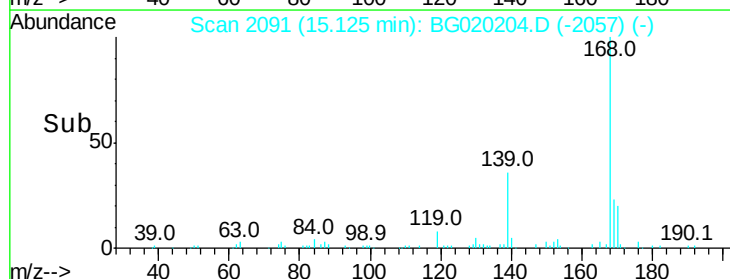
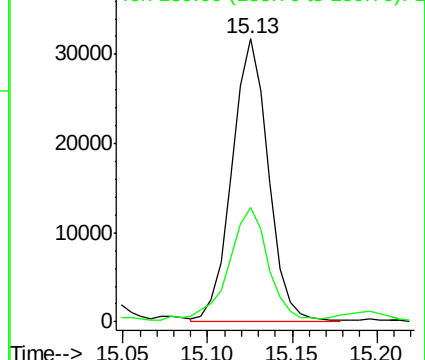
Tgt Ion:168 Resp: 47697

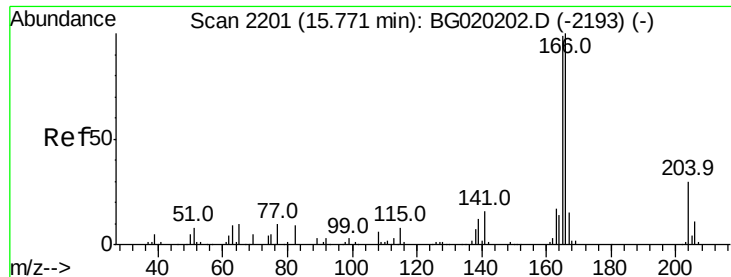
Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.5	45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

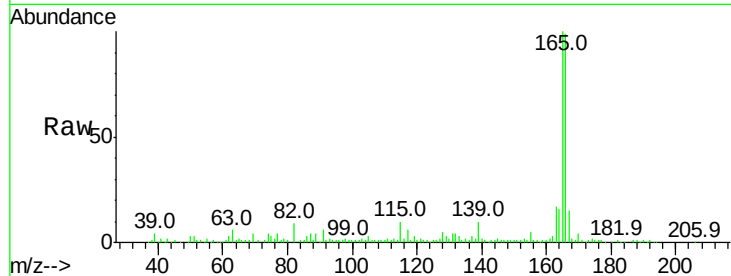




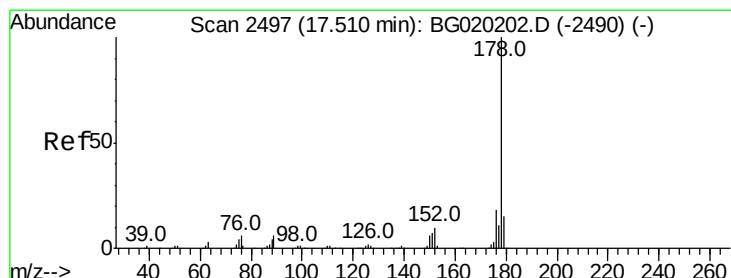
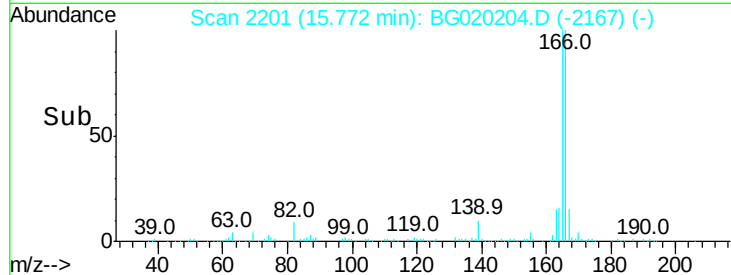
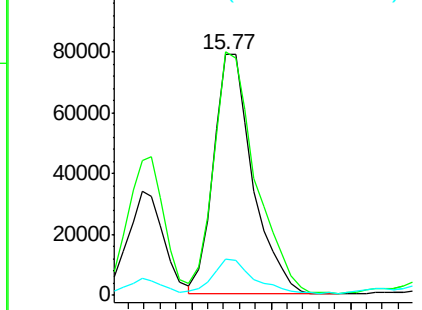
#59
Fluorene
 Concen: 20.12 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

Instrument :
 BNA_G
 ClientSampleId :
 G9C88

Tot Ion:166 Resp: 134904
 Ion Ratio Lower Upper
 166 100
 165 101.1 81.4 122.0
 167 15.2 11.2 16.8

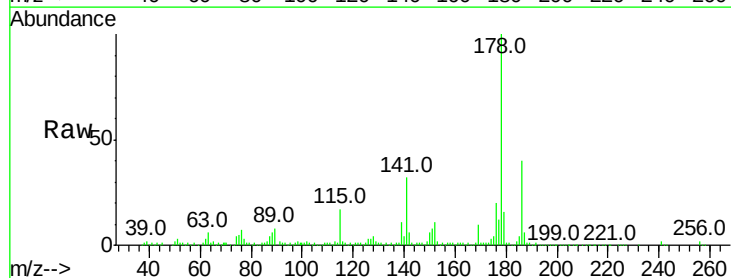


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

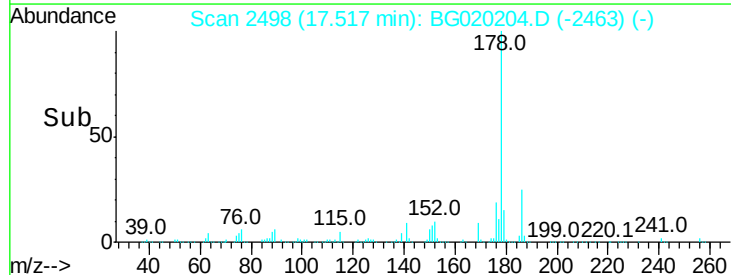
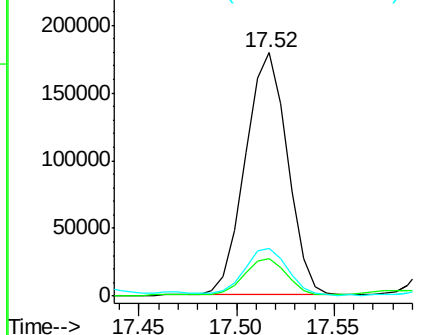


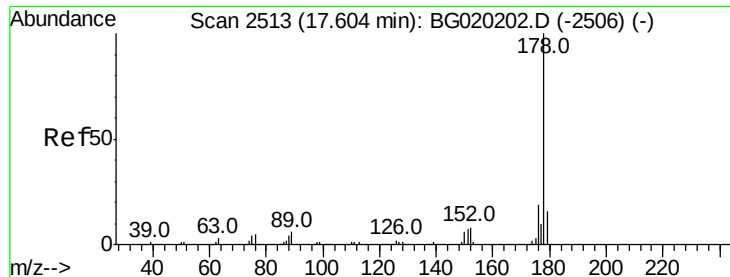
#70
Phenanthrene
 Concen: 29.17 ng/ul
 RT: 17.52 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

Tgt Ion:178 Resp: 268149
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.9 19.3
 176 19.8 15.3 22.9



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: 6.25 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

Instrument :

BNA_G

ClientSampleId :

G9C88

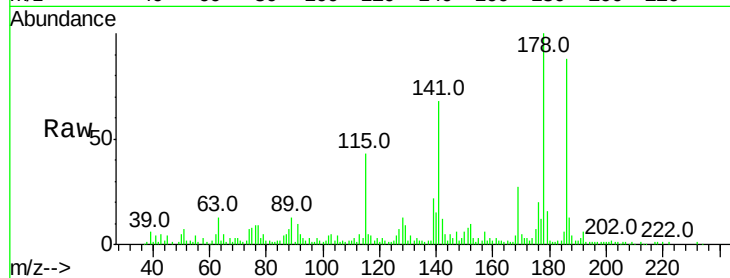
Tot Ion:178 Resp: 58295

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

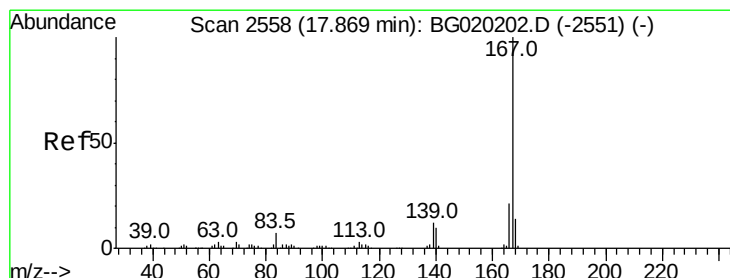
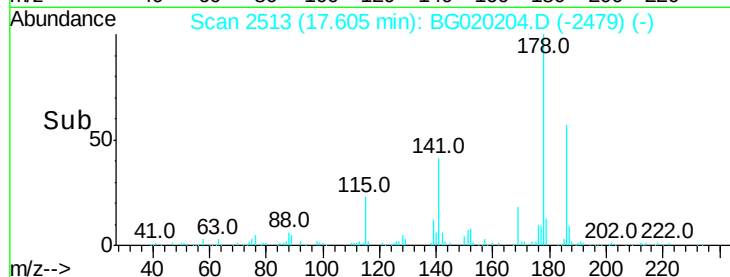
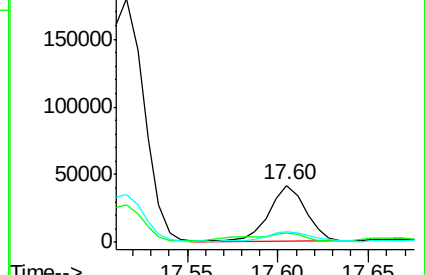
176 19.8 14.3 21.5



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: 5.77 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BG020204.D

Acq: 16 Dec 2015 00:37

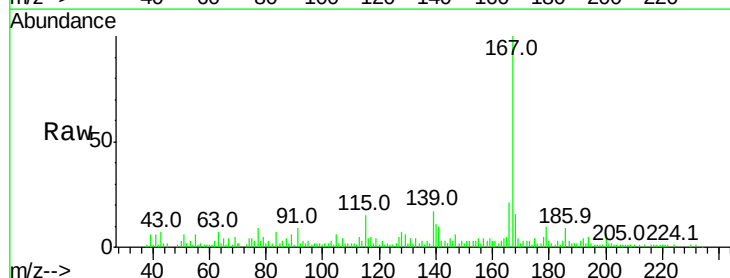
Tgt Ion:167 Resp: 45215

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

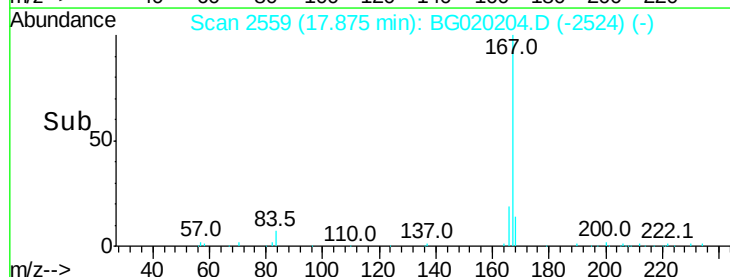
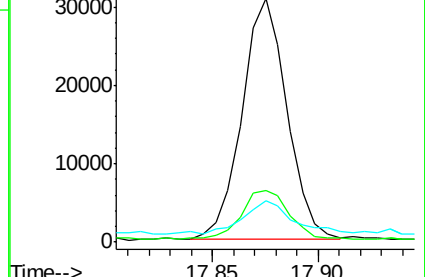
139 17.2 10.1 15.1#

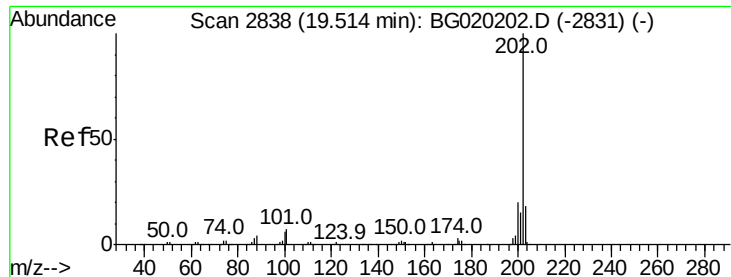


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

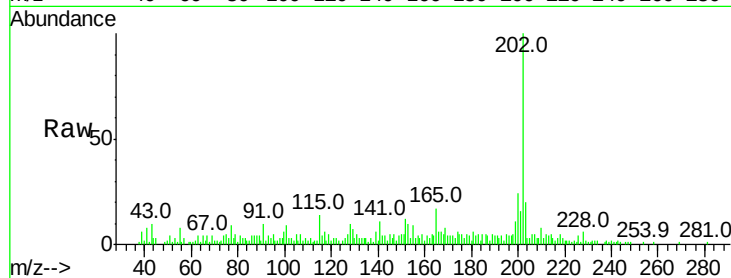




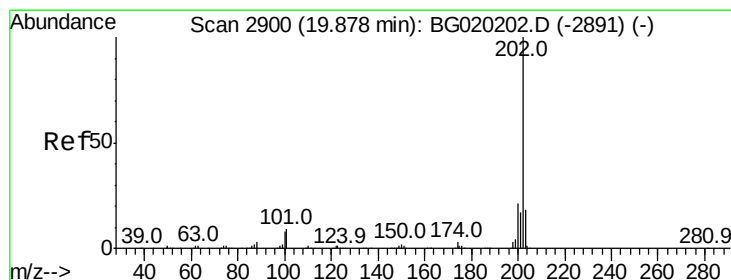
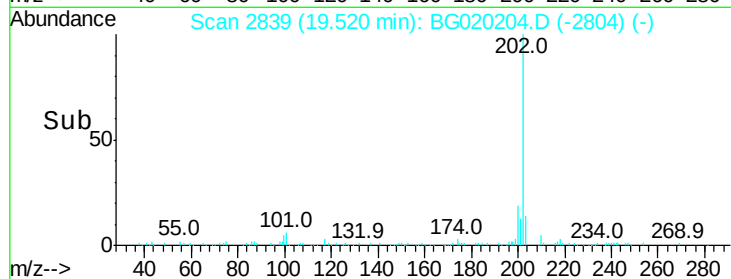
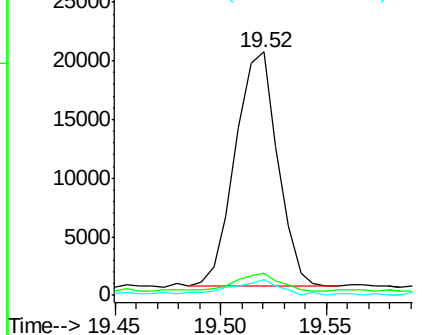
#77
 Fluoranthene
 Concen: 2.59 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

Instrument :
 BNA_G
 ClientSampled :
 G9C88

Tot Ion:202	Resp:	27880
Ion Ratio	Lower	Upper
202	100	
101	9.0	6.2 9.4
100	6.5	5.1 7.7

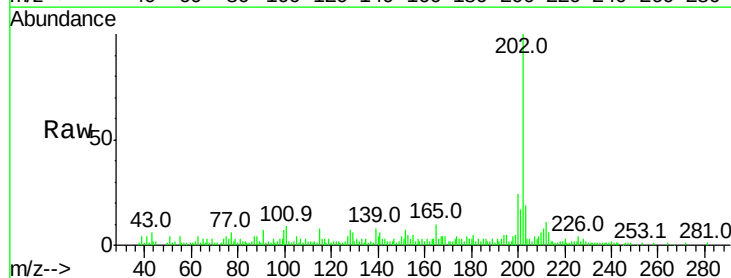


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



#80
 Pyrene
 Concen: 3.65 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020204.D
 Acq: 16 Dec 2015 00:37

Tgt Ion:202	Resp:	43655
Ion Ratio	Lower	Upper
202	100	
101	8.8	7.0 10.4
100	7.3	6.4 9.6



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

