

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020220.D
 Acq On : 16 Dec 2015 11:58
 Operator : UM/SJ
 Sample : G4786-14DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9C87DL

Quant Time: Dec 17 00:42:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 00:37:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	85855	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.73	164	63873	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	162417	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	183161	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	169971	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	3154	1.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	8250	8.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	8474	6.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	6256	4.23	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	6500	9.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	6600	8.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	11966	7.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	197	0.12	ng/ul	0.05
44) Dimethylphthalate-d6	14.12	166	44902	8.69	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	53066	8.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	1631	1.76	ng/ul	0.00
58) Fluorene-d10	15.71	176	41378	8.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	7003	7.27	ng/ul	0.00
71) Anthracene-d10	17.56	188	66295	8.86	ng/ul	0.00
79) Pyrene-d10	19.84	212	73828	8.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	74910	8.84	ng/ul	0.00

Target Compounds

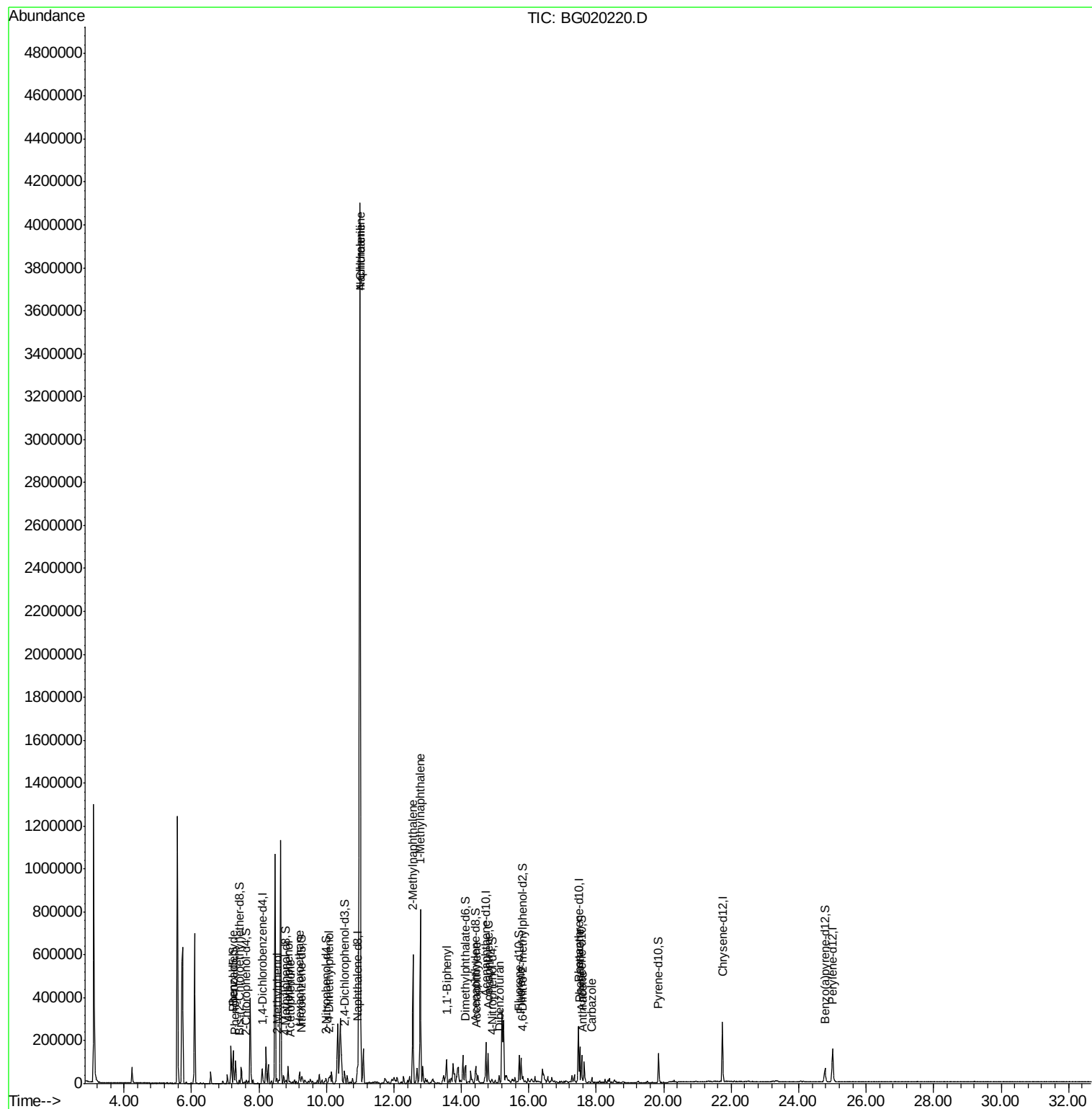
						Qvalue
4) Benzaldehyde	7.23	77	12372	11.06	ng/ul#	1
6) Phenol	7.28	94	9939	5.37	ng/ul	94
11) 2-Methylphenol	8.53	108	5768	4.09	ng/ul	99
14) Acetophenone	8.92	105	7821	3.38	ng/ul	100
16) 4-Methylphenol	8.87	108	30184	19.31	ng/ul	94
17) Hexachloroethane	9.20	117	6818	12.32	ng/ul#	1
24) 2,4-Dimethylphenol	10.08	107	10190	5.62	ng/ul	92
28) Naphthalene	11.00	128	3755148	837.55	ng/ul#	75
30) 4-Chloroaniline	11.00	127	725336	419.33	ng/ul#	15
34) 2-Methylnaphthalene	12.56	142	273788	79.95	ng/ul	96
35) 1-Methylnaphthalene	12.79	142	373991	113.59	ng/ul#	95
41) 1,1'-Biphenyl	13.56	154	58674	12.18	ng/ul#	93
48) Acenaphthylene	14.45	152	9923	1.55	ng/ul#	73
50) Acenaphthene	14.79	153	57398	13.36	ng/ul	98
54) Dibenzofuran	15.12	168	9896	1.55	ng/ul	95
59) Fluorene	15.77	166	52936	10.31	ng/ul	96
70) Phenanthrene	17.51	178	102934	11.59	ng/ul	99
72) Anthracene	17.60	178	18158	2.02	ng/ul	95
75) Carbazole	17.87	167	16733	2.21	ng/ul	96

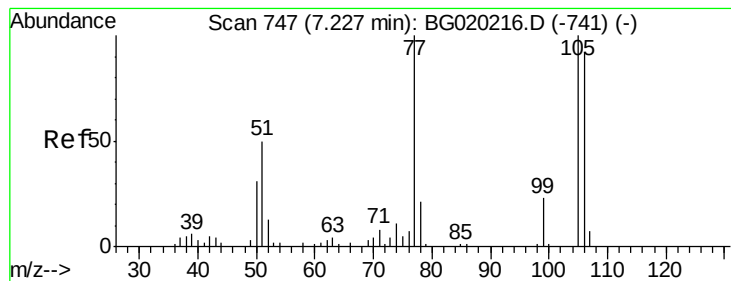
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 11.06 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampled :

G9C87DL

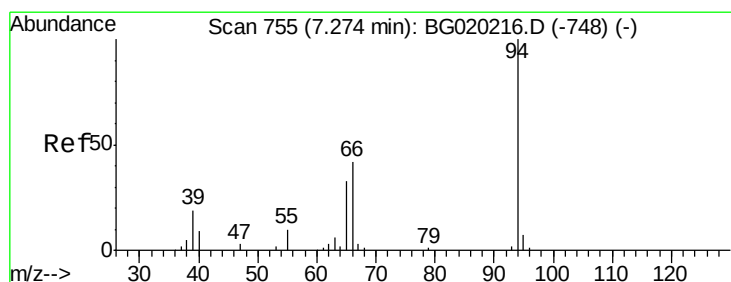
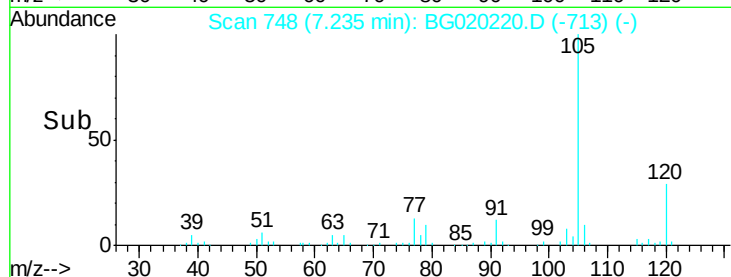
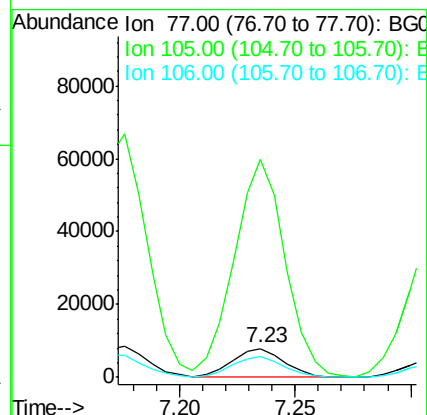
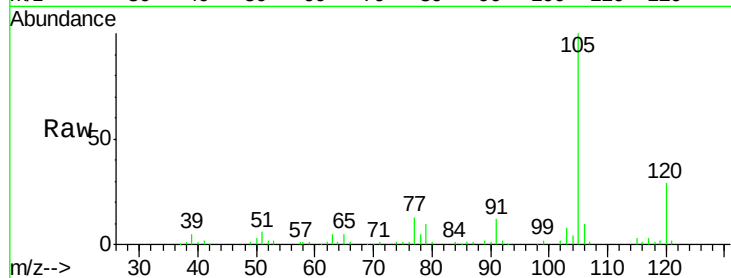
Tgt Ion: 77 Resp: 12372

Ion Ratio Lower Upper

77 100

105 760.7 77.8 116.6#

106 72.9 72.6 109.0



#6

Phenol

Concen: 5.37 ng/ul

RT: 7.28 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

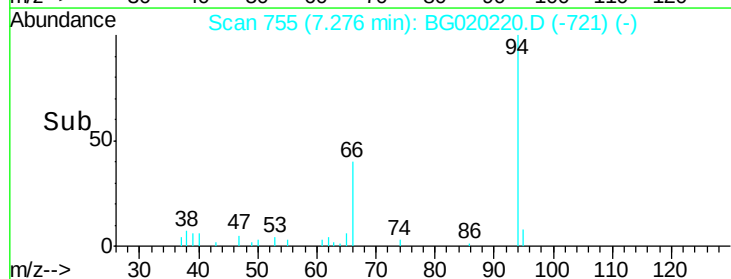
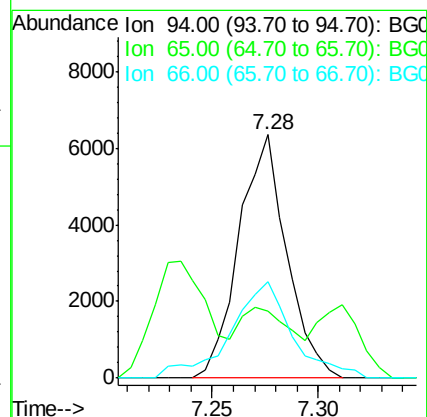
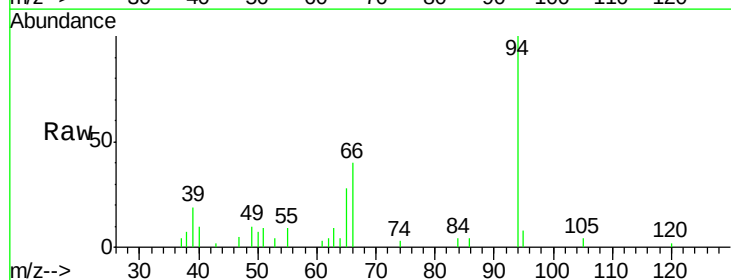
Tgt Ion: 94 Resp: 9939

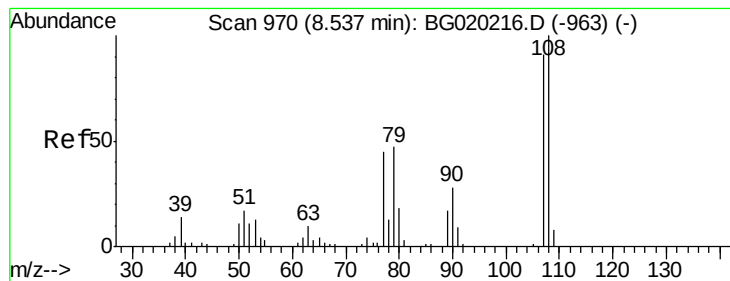
Ion Ratio Lower Upper

94 100

65 27.7 26.3 39.5

66 39.6 33.3 49.9





#11

2-Methylphenol

Concen: 4.09 ng/ul

RT: 8.53 min Scan# 969

Delta R.T. -0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampled :

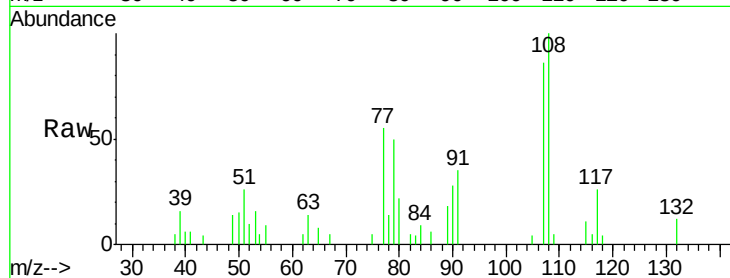
G9C87DL

Tgt Ion:108 Resp: 5768

Ion Ratio Lower Upper

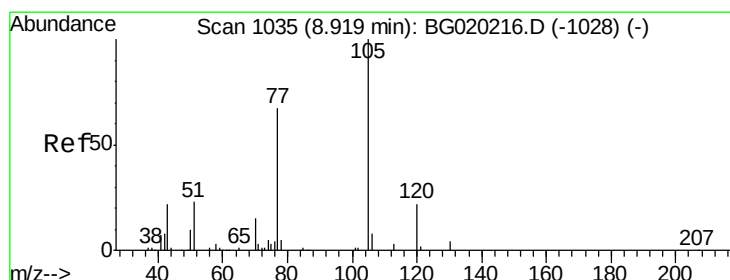
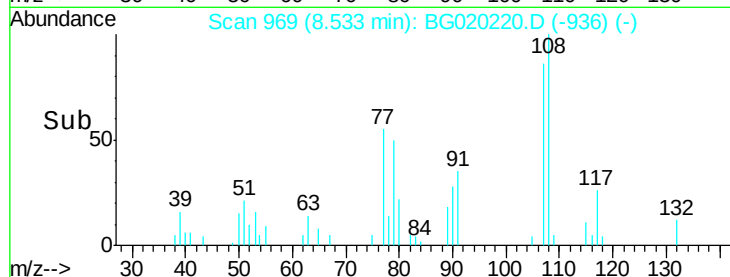
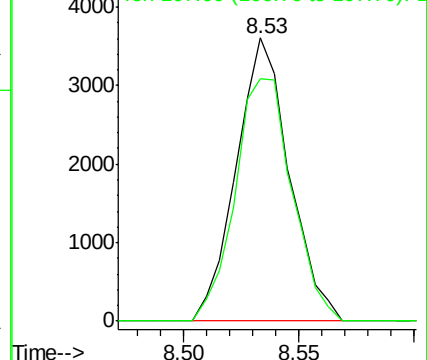
108 100

107 85.7 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#14

Acetophenone

Concen: 3.38 ng/ul

RT: 8.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

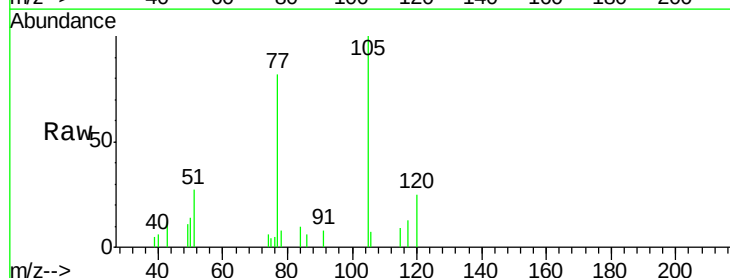
Tgt Ion:105 Resp: 7821

Ion Ratio Lower Upper

105 100

77 81.6 65.2 97.8

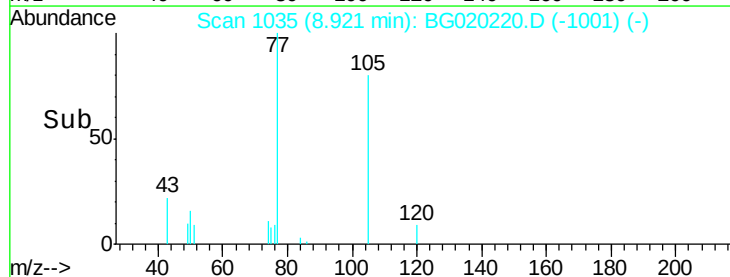
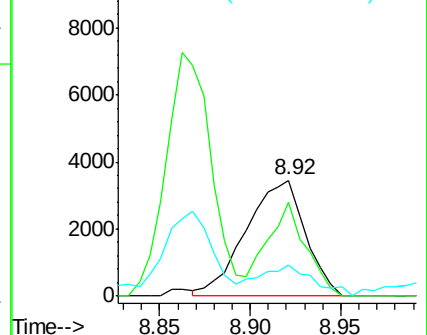
51 27.4 22.6 33.8

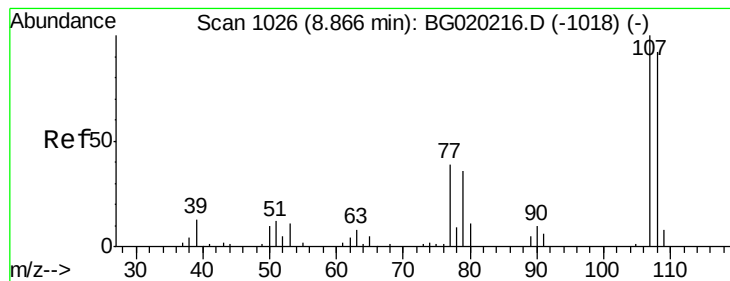


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0





#16

4-Methylphenol

Concen: 19.31 ng/ul

RT: 8.87 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampled :

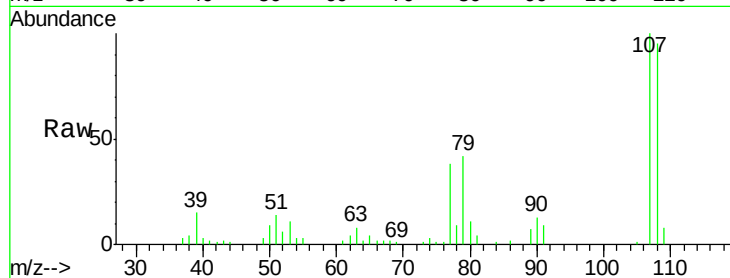
G9C87DL

Tgt Ion:108 Resp: 30184

Ion Ratio Lower Upper

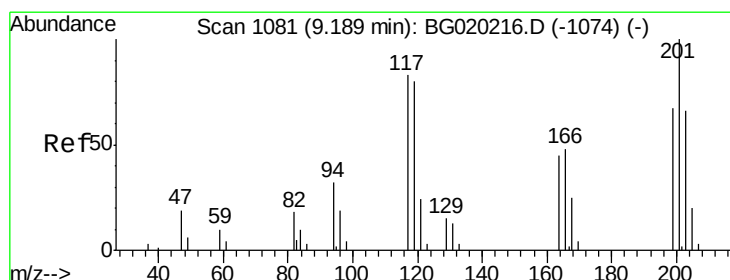
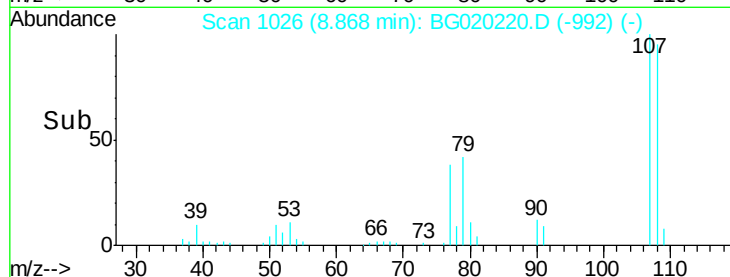
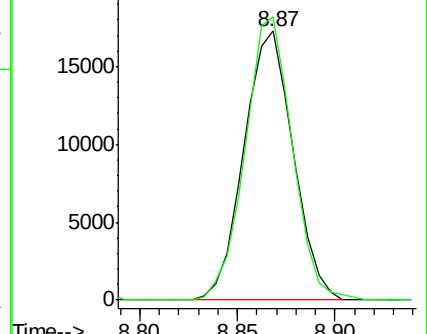
108 100

107 105.1 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 12.32 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.01 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

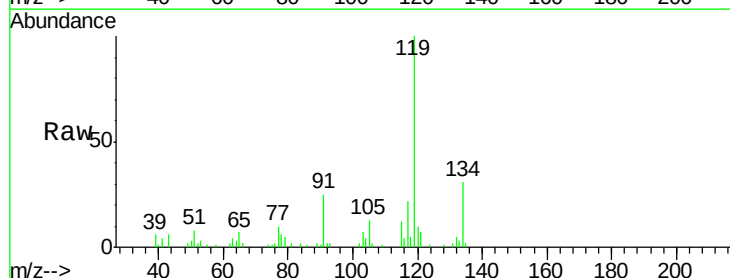
Tgt Ion:117 Resp: 6818

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

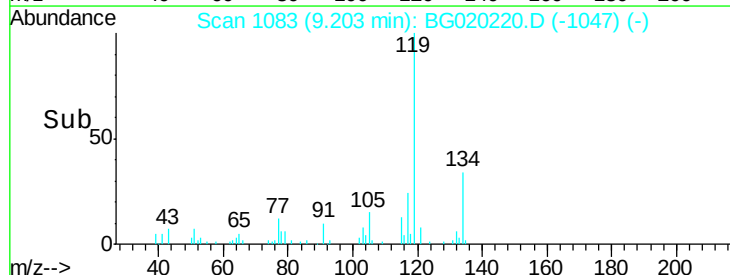
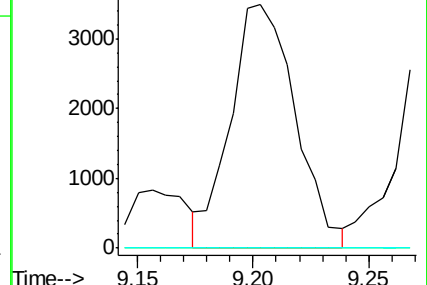
199 0.0 65.8 98.8#

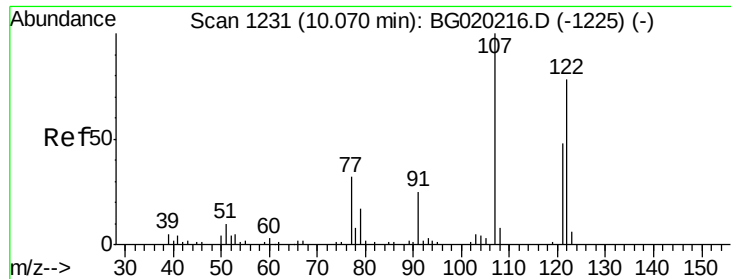


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

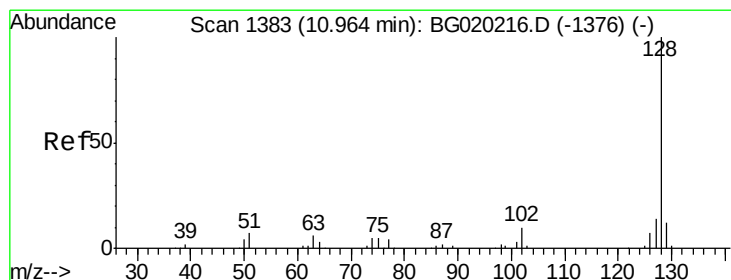
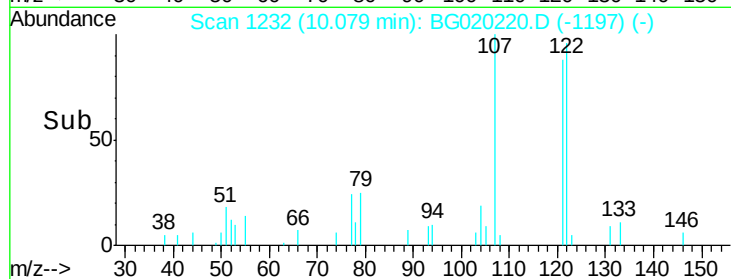
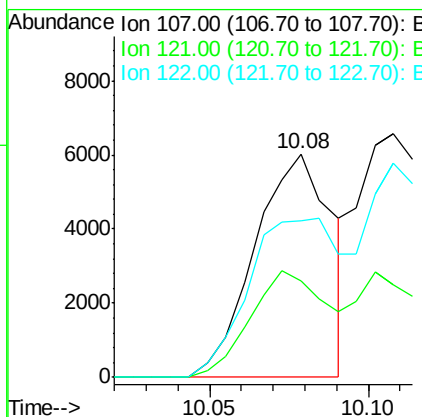
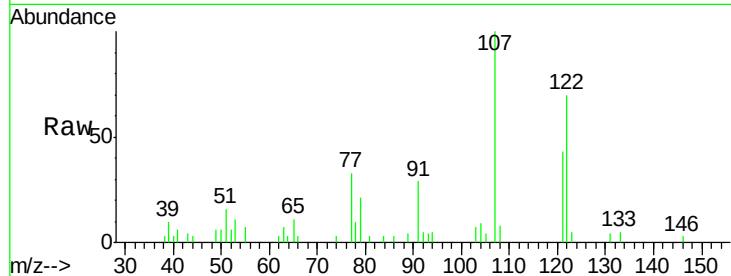




#24
2,4-Dimethylphenol
Concen: 5.62 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BG020220.D
Acq: 16 Dec 2015 11:58

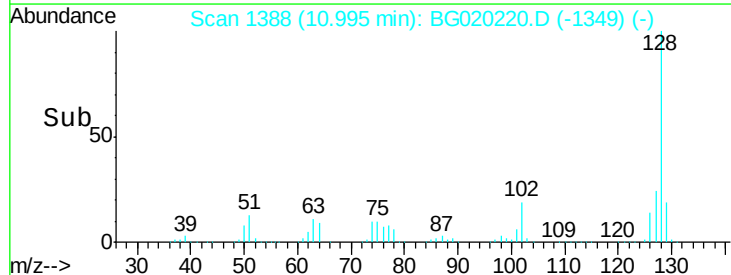
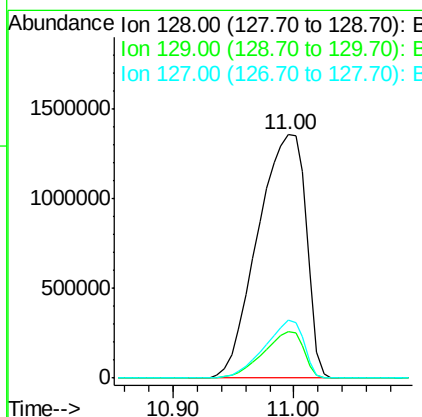
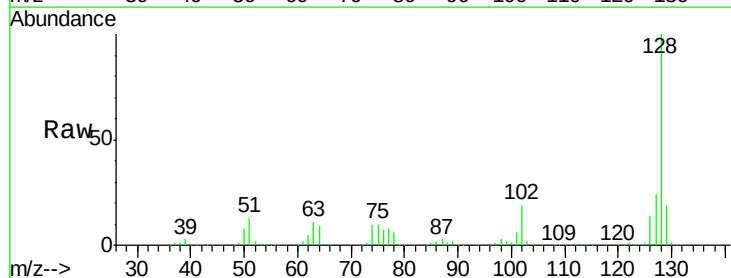
Instrument :
BNA_G
ClientSampleId :
G9C87DL

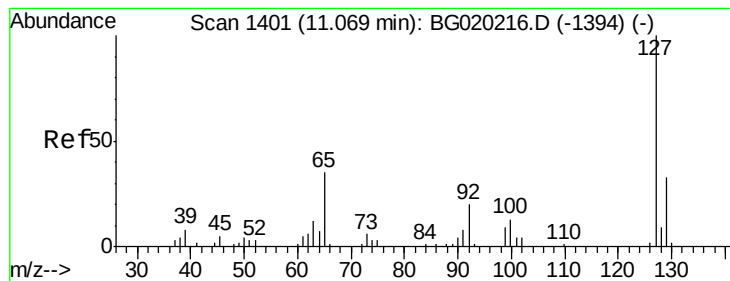
Tgt Ion:107 Resp: 10190
Ion Ratio Lower Upper
107 100
121 43.0 39.0 58.4
122 70.3 62.1 93.1



#28
Naphthalene
Concen: 837.55 ng/ul
RT: 11.00 min Scan# 1388
Delta R.T. 0.03 min
Lab File: BG020220.D
Acq: 16 Dec 2015 11:58

Tgt Ion:128 Resp: 3755148
Ion Ratio Lower Upper
128 100
129 18.9 8.6 12.8#
127 23.8 10.1 15.1#





#30

4-Chloroaniline

Concen: 419.33 ng/ul

RT: 11.00 min Scan# 1388

Delta R.T. -0.07 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampleId :

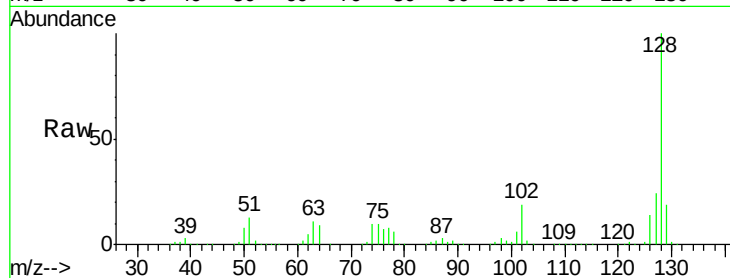
G9C87DL

Tgt Ion:127 Resp: 725336

Ion Ratio Lower Upper

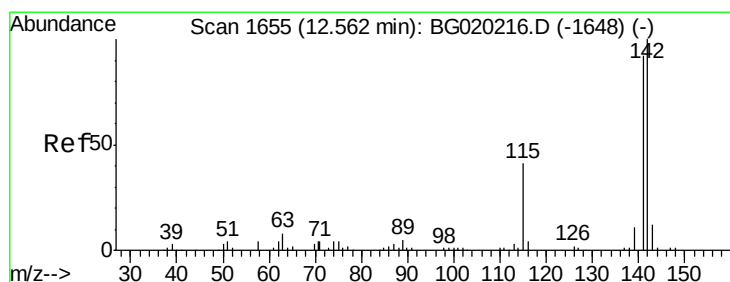
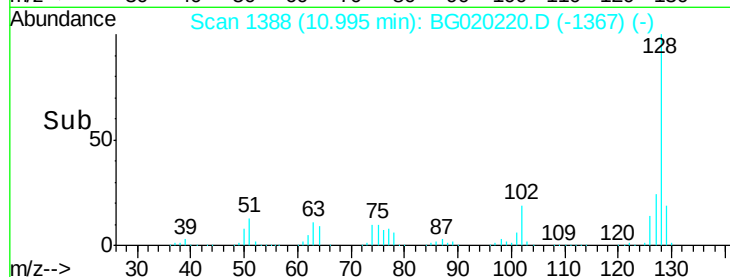
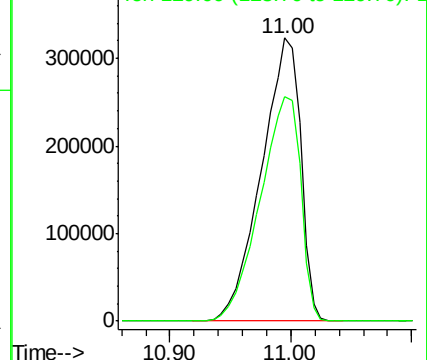
127 100

129 79.5 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 79.95 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BG020220.D

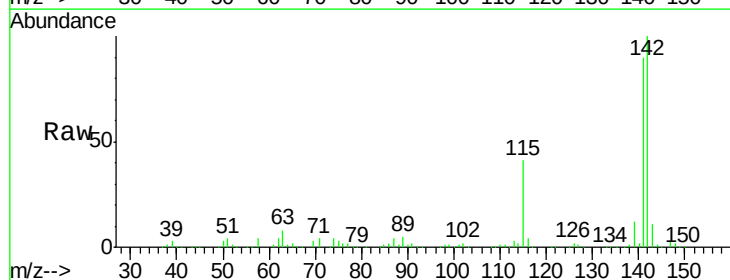
Acq: 16 Dec 2015 11:58

Tgt Ion:142 Resp: 273788

Ion Ratio Lower Upper

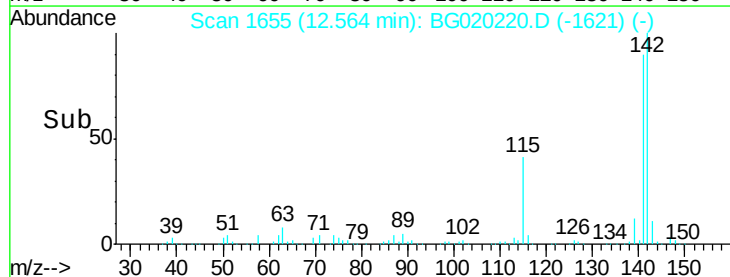
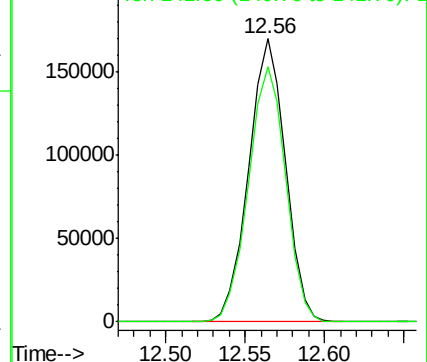
142 100

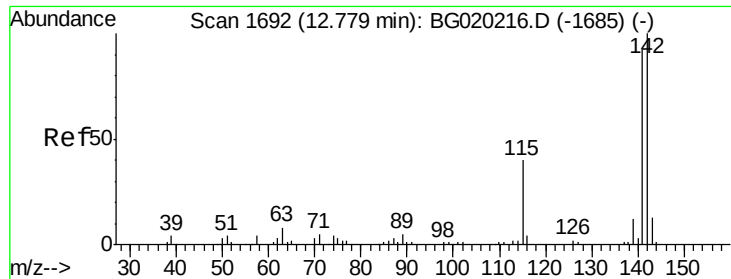
141 90.0 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

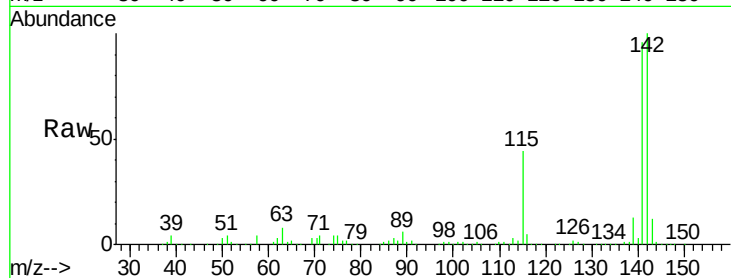




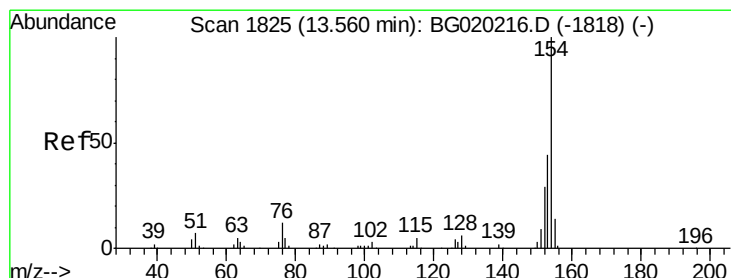
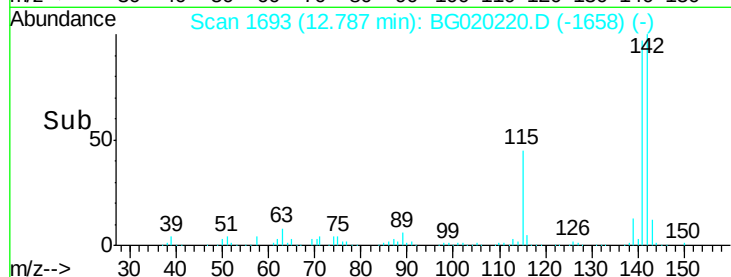
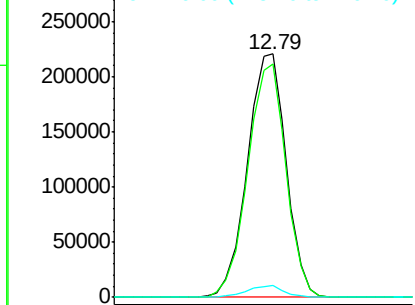
#35
 1-Methylnaphthalene
 Concen: 113.59 ng/ul
 RT: 12.79 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: BG020220.D
 Acq: 16 Dec 2015 11:58

Instrument :
 BNA_G
 ClientSampleId :
 G9C87DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.8	73.0	109.6
116	4.8	3.0	4.6#

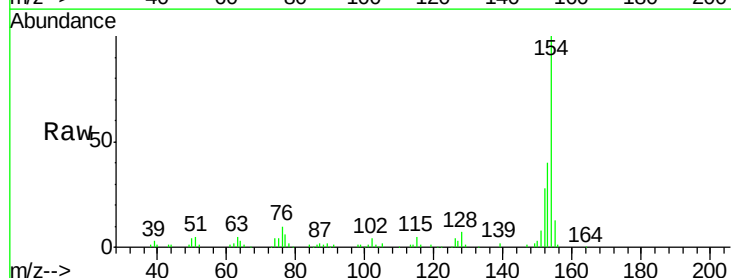


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

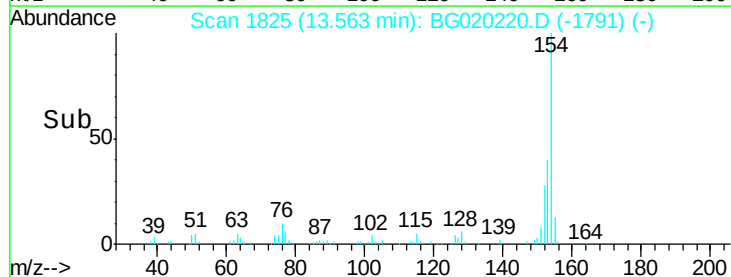
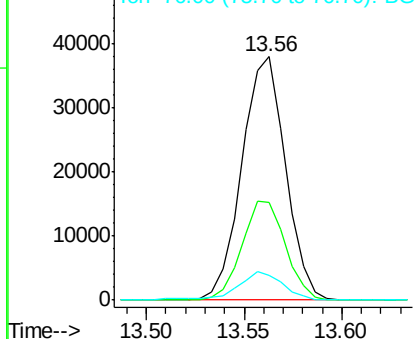


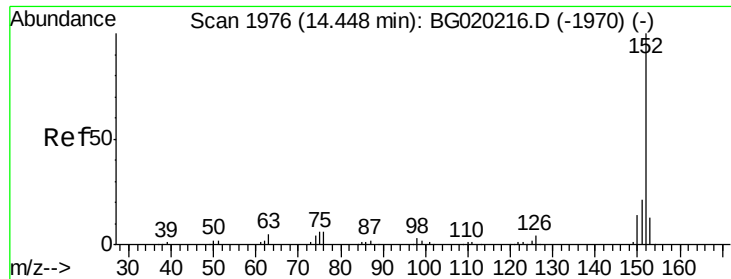
#41
 1,1'-Biphenyl
 Concen: 12.18 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020220.D
 Acq: 16 Dec 2015 11:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	35.5	53.3
76	9.9	10.4	15.6#



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): BG





#48

Acenaphthylene

Concen: 1.55 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampleId :

G9C87DL

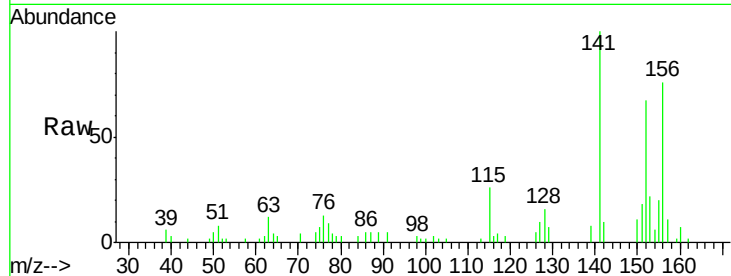
Tgt Ion:152 Resp: 9923

Ion Ratio Lower Upper

152 100

151 26.4 16.4 24.6#

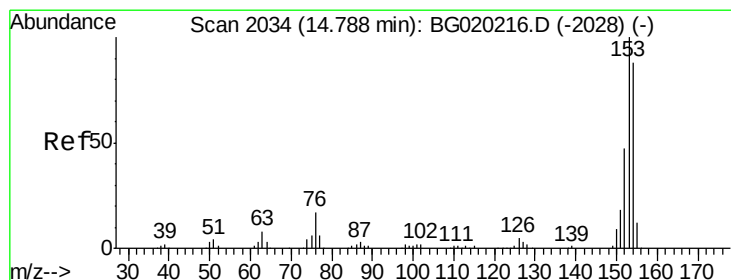
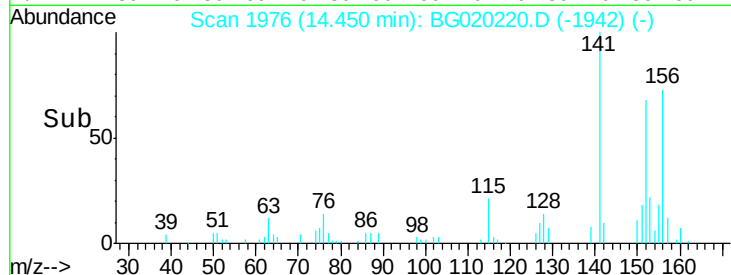
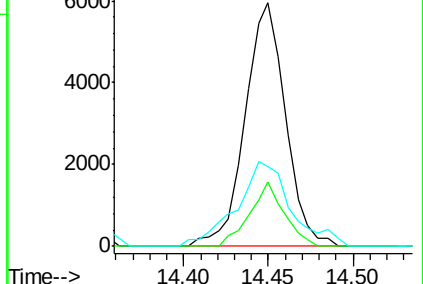
153 33.0 10.4 15.6#



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: 13.36 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

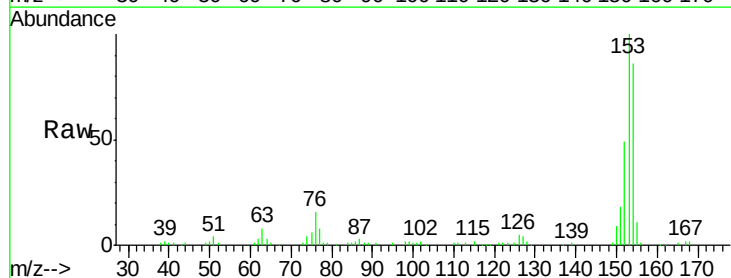
Tgt Ion:153 Resp: 57398

Ion Ratio Lower Upper

153 100

152 49.3 37.6 56.4

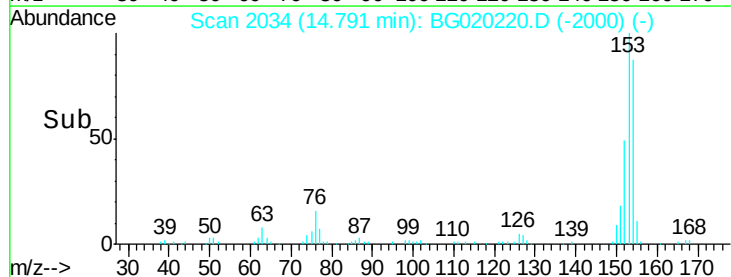
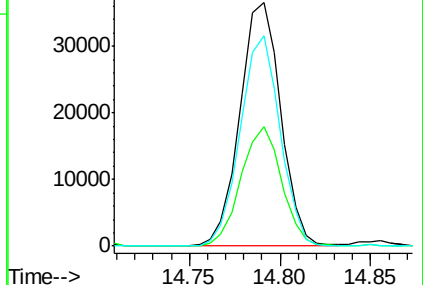
154 86.3 67.9 101.9

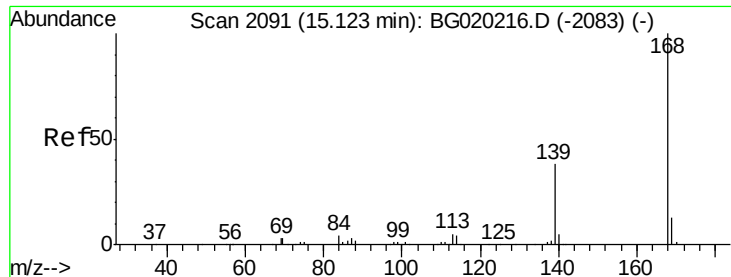


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

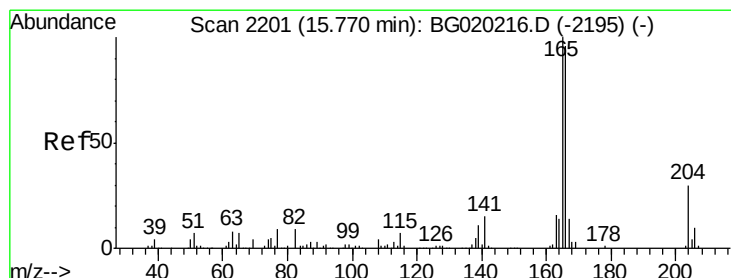
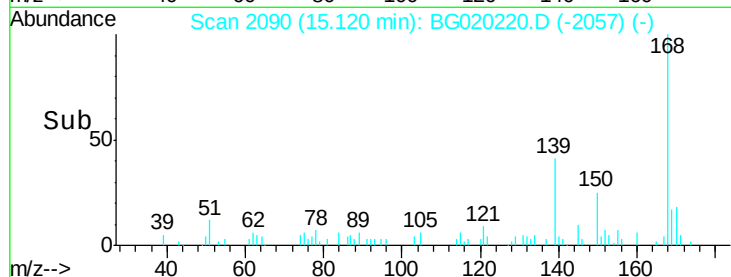
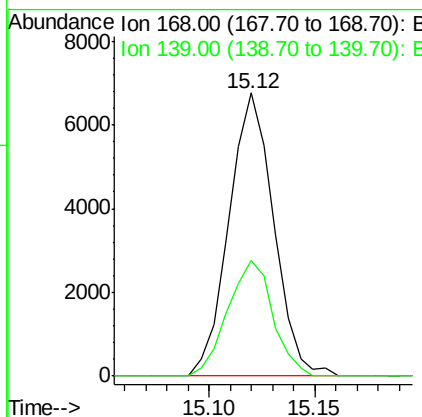
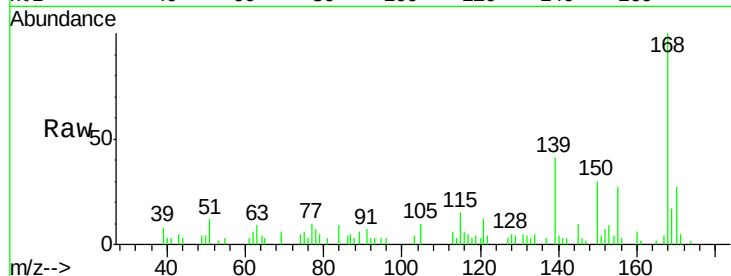




#54
Dibenzenofuran
Concen: 1.55 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020220.D
Acq: 16 Dec 2015 11:58

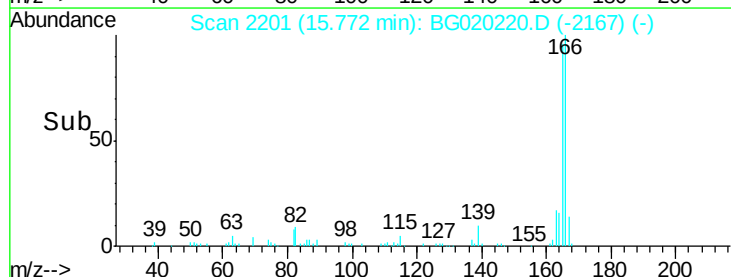
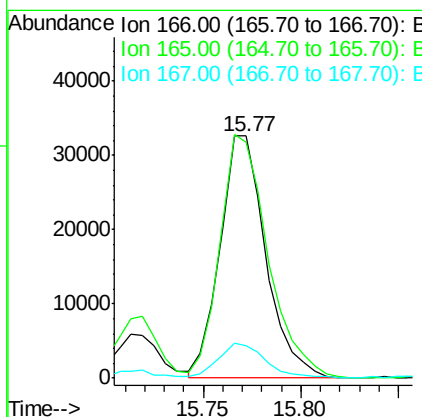
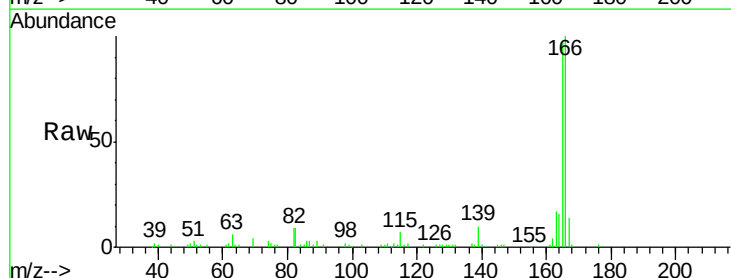
Instrument :
BNA_G
ClientSampleId :
G9C87DL

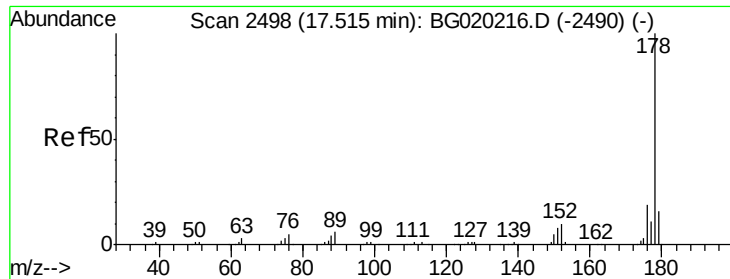
Tgt Ion:168 Resp: 9896
Ion Ratio Lower Upper
168 100
139 41.0 30.5 45.7



#59
Fluorene
Concen: 10.31 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020220.D
Acq: 16 Dec 2015 11:58

Tgt Ion:166 Resp: 52936
Ion Ratio Lower Upper
166 100
165 97.4 81.4 122.0
167 13.5 11.2 16.8





#70

Phenanthrene

Concen: 11.59 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

Instrument :

BNA_G

ClientSampleId :

G9C87DL

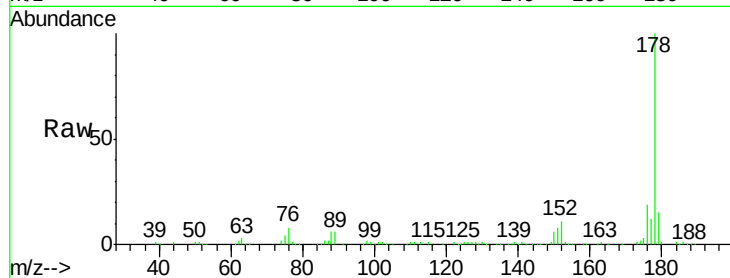
Tgt Ion:178 Resp: 102934

Ion Ratio Lower Upper

178 100

179 15.2 12.9 19.3

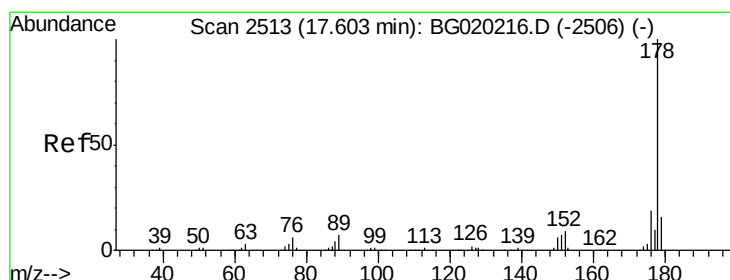
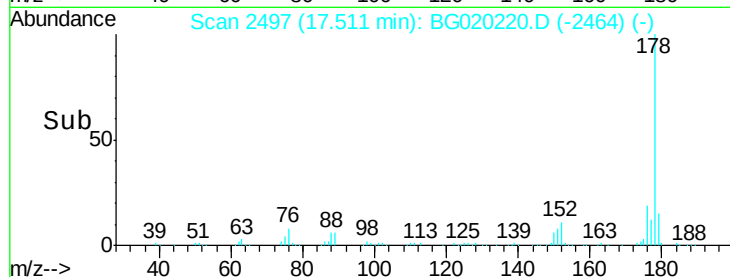
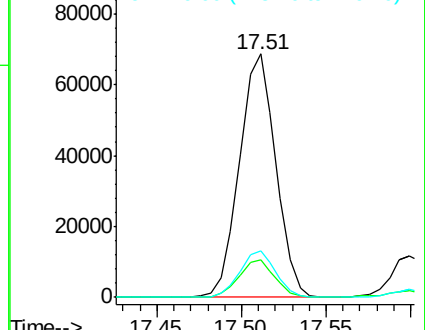
176 19.3 15.3 22.9



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: 2.02 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020220.D

Acq: 16 Dec 2015 11:58

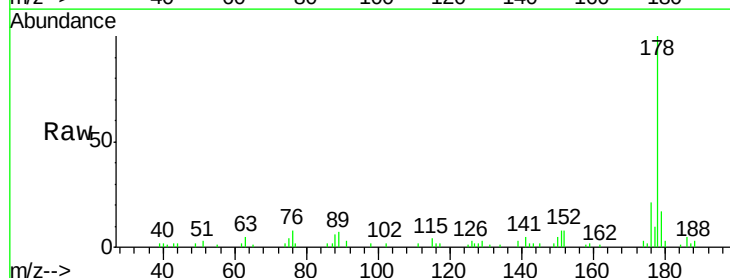
Tgt Ion:178 Resp: 18158

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

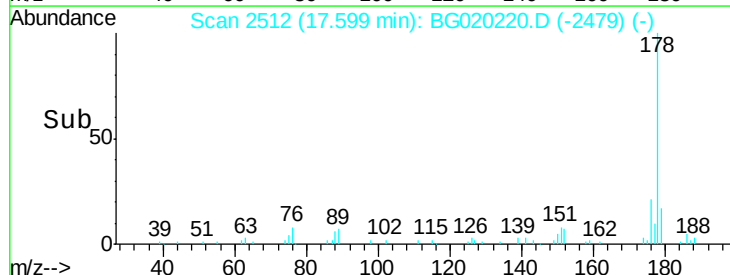
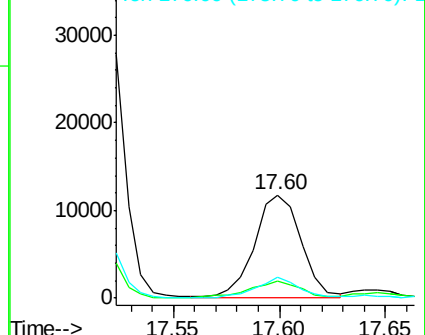
176 20.6 14.3 21.5

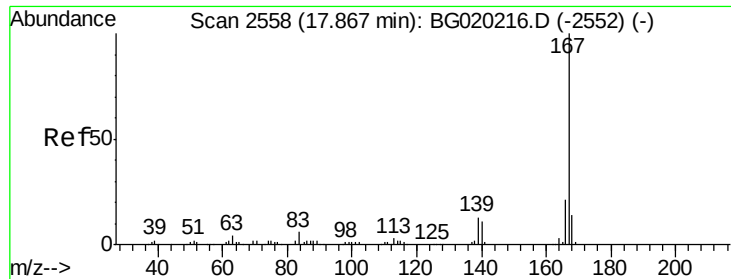


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

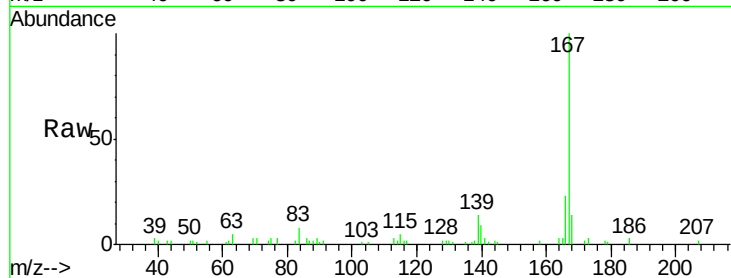




#75
 Carbazole
 Concen: 2.21 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BG020220.D
 Acq: 16 Dec 2015 11:58

Instrument :
 BNA_G
 ClientSampleId :
 G9C87DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.6
139	14.1	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

