

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020560.D
 Acq On : 27 Dec 2015 18:35
 Operator : UM/SJ
 Sample : G4846-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Quant Time: Dec 28 05:01:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	86561	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	396773	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.72	164	277147	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	644697	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	776077	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	724343	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	582	0.37	ng/uL	0.00
5) Phenol-d5	7.23	99	21249	3.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	54682	13.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	56761	10.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	40765	6.98	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	40222	12.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	48045	13.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	77771	11.36	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	2250	0.29	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	275215	12.05	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	327732	12.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	10235	2.69	ng/ul	0.00
58) Fluorene-d10	15.71	176	257468	12.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	42494	9.95	ng/ul	0.01
71) Anthracene-d10	17.57	188	384681	12.74	ng/ul	0.01
79) Pyrene-d10	19.84	212	436035	12.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	497679	13.59	ng/ul	0.00

Target Compounds

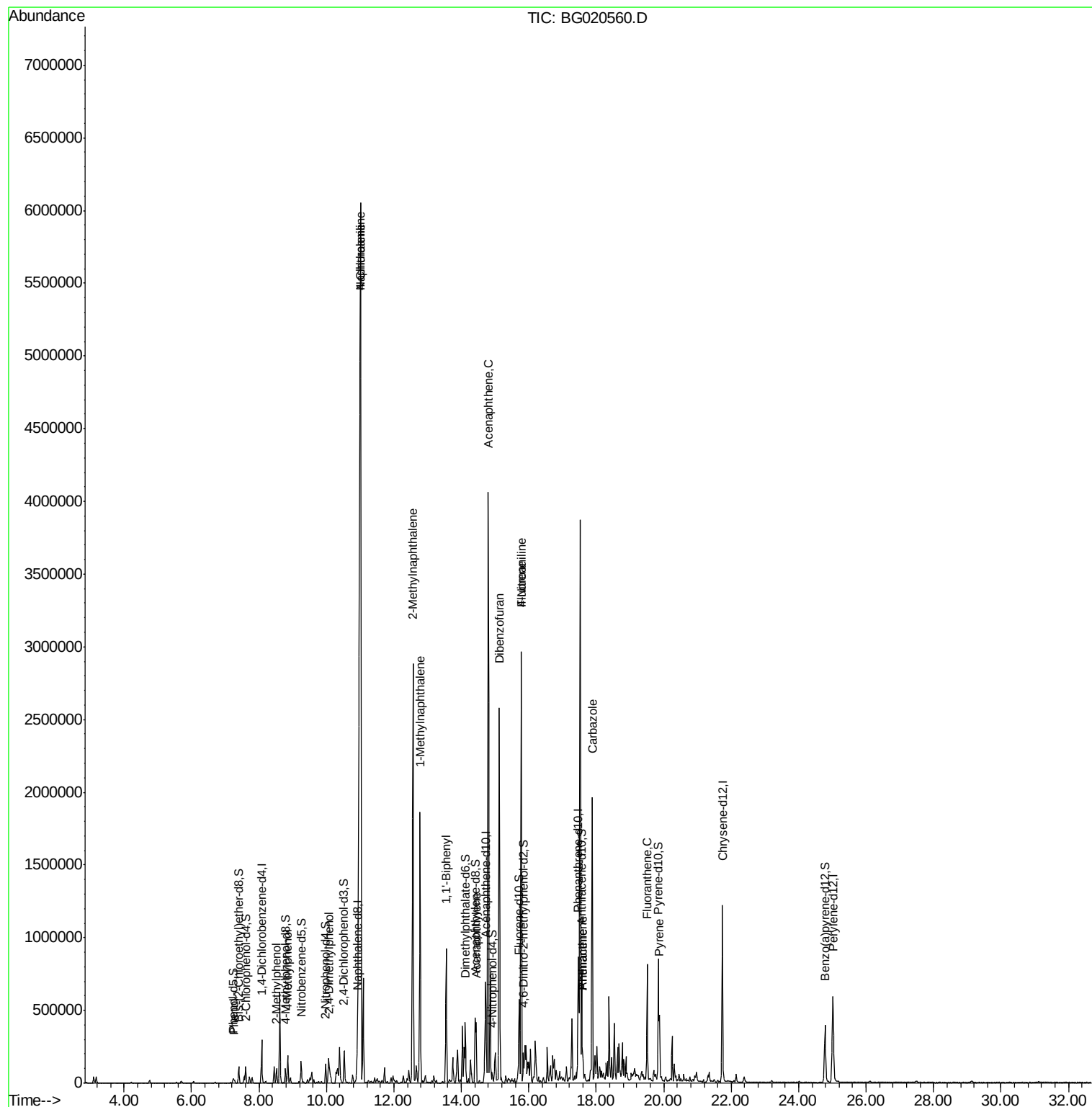
						Qvalue
6) Phenol	7.26	94	14435	2.00	ng/ul	95
11) 2-Methylphenol	8.52	108	35235	6.28	ng/ul	89
16) 4-Methylphenol	8.86	108	79272	13.02	ng/ul	95
24) 2,4-Dimethylphenol	10.07	107	69759	8.79	ng/ul	99
28) Naphthalene	11.02	128	6920684	328.12	ng/ul#	53
30) 4-Chloroaniline	11.02	127	1719632	218.16	ng/ul#	13
34) 2-Methylnaphthalene	12.57	142	1514569	97.05	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	876863	59.15	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	485847	22.71	ng/ul	96
48) Acenaphthylene	14.44	152	218961	7.87	ng/ul	97
50) Acenaphthene	14.80	153	2059471	109.50	ng/ul#	91
54) Dibenzofuran	15.12	168	1722187	61.55	ng/ul	90
59) Fluorene	15.78	166	1493593	65.87	ng/ul#	98
61) 4-Nitroaniline	15.78	138	21408	4.37	ng/ul#	13
70) Phenanthrene	17.60	178	191945	5.35	ng/ul	99
72) Anthracene	17.60	178	192726	5.25	ng/ul	98
75) Carbazole	17.88	167	1421624	45.99	ng/ul	93
77) Fluoranthene	19.51	202	544496	12.07	ng/ul	98
80) Pyrene	19.87	202	305957	6.97	ng/ul	99

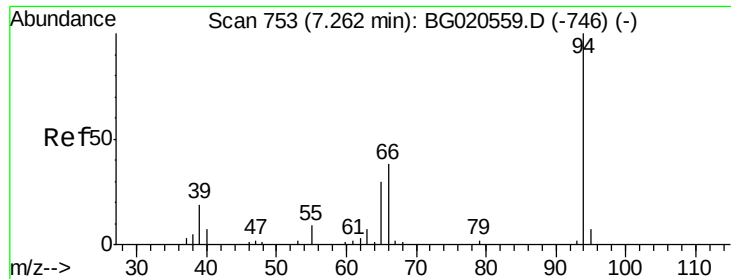
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.00 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. 0.00 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampled :

D9N53

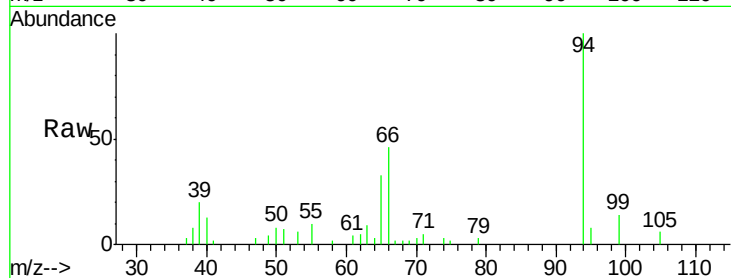
Tgt Ion: 94 Resp: 14435

Ion Ratio Lower Upper

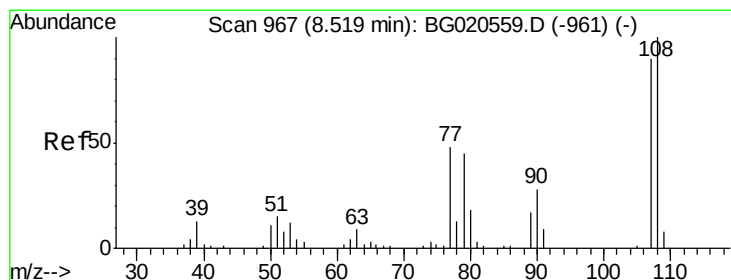
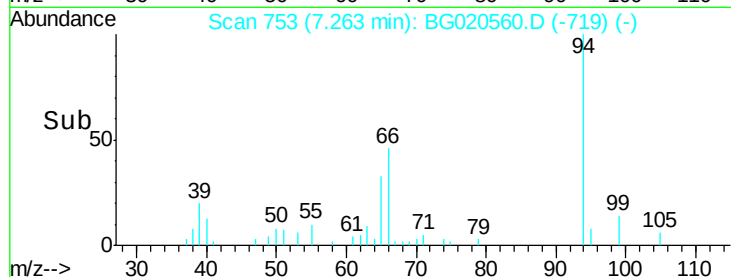
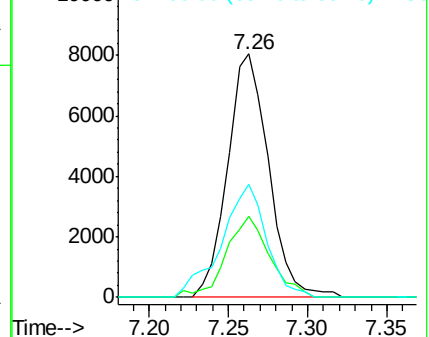
94 100

65 33.5 26.3 39.5

66 46.3 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: 6.28 ng/ul

RT: 8.52 min Scan# 967

Delta R.T. 0.00 min

Lab File: BG020560.D

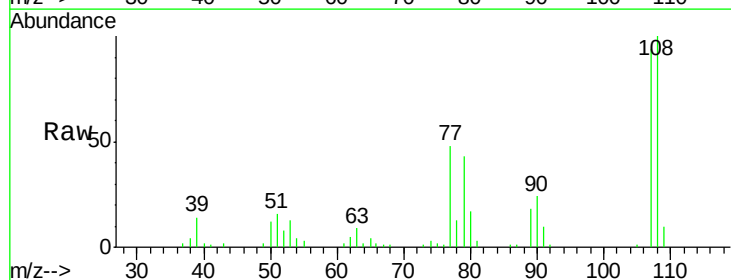
Acq: 27 Dec 2015 18:35

Tgt Ion:108 Resp: 35235

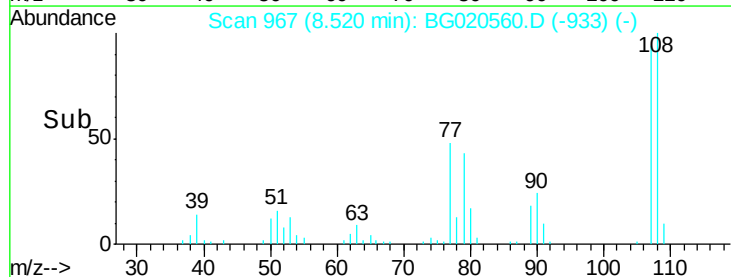
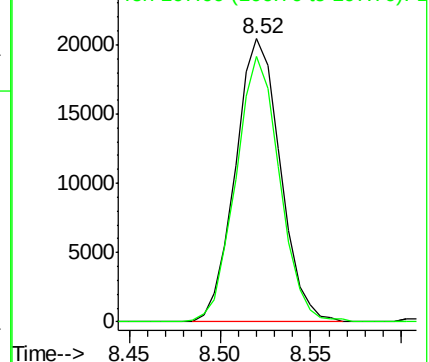
Ion Ratio Lower Upper

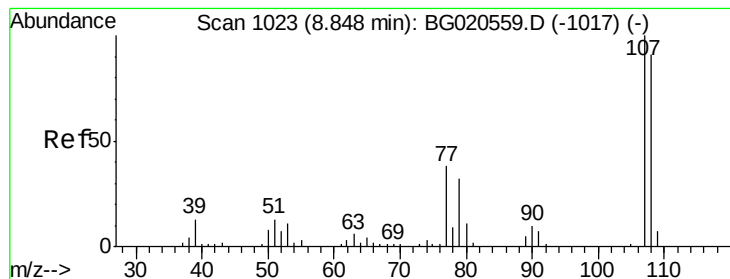
108 100

107 94.0 67.5 101.3



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





#16

4-Methylphenol

Concen: 13.02 ng/ul

RT: 8.86 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

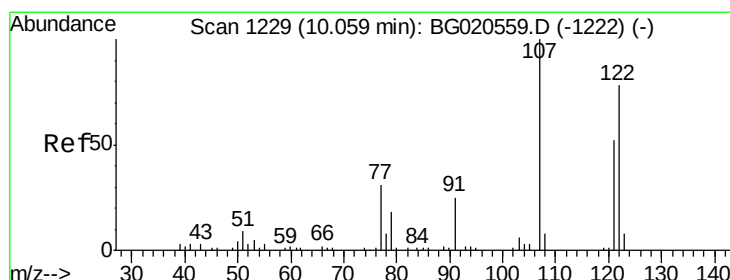
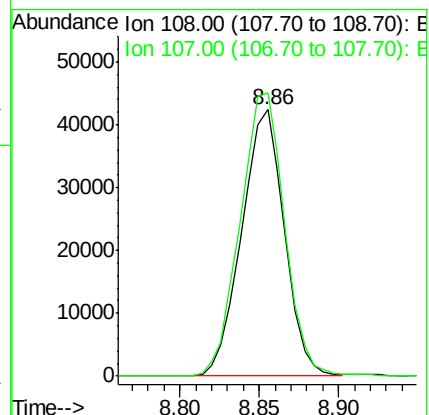
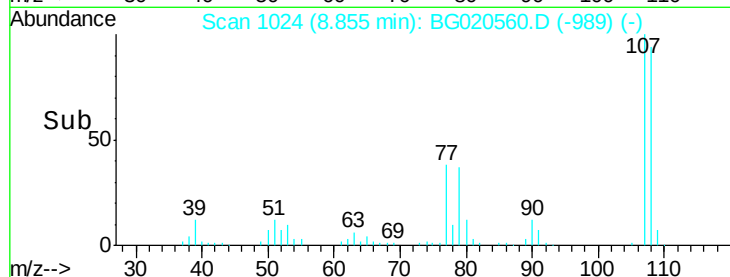
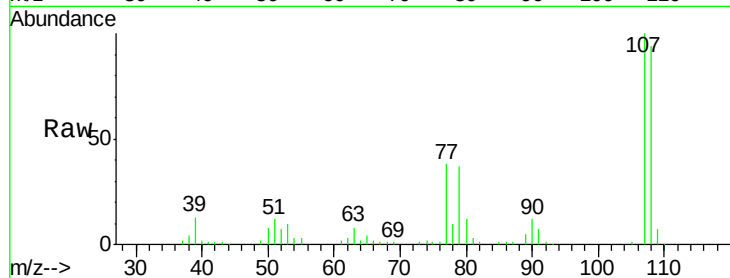
D9N53

Tgt Ion:108 Resp: 79272

Ion Ratio Lower Upper

108 100

107 106.2 88.9 133.3



#24

2,4-Dimethylphenol

Concen: 8.79 ng/ul

RT: 10.07 min Scan# 1230

Delta R.T. 0.01 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

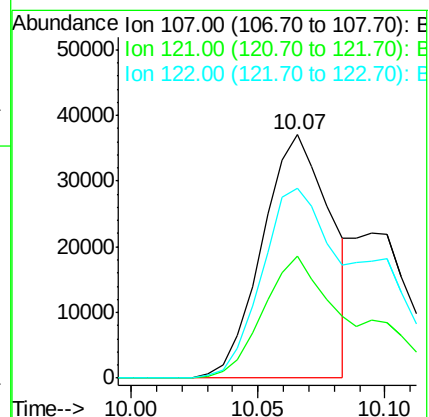
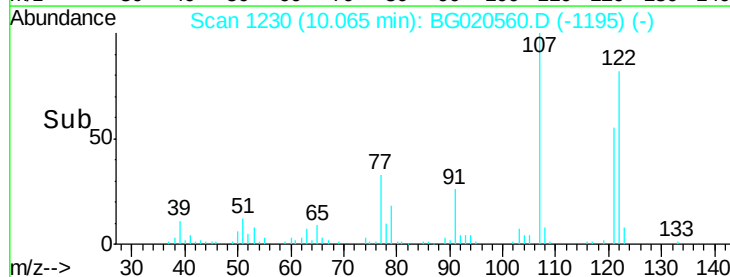
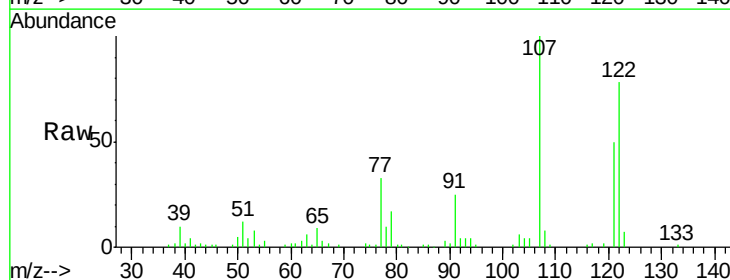
Tgt Ion:107 Resp: 69759

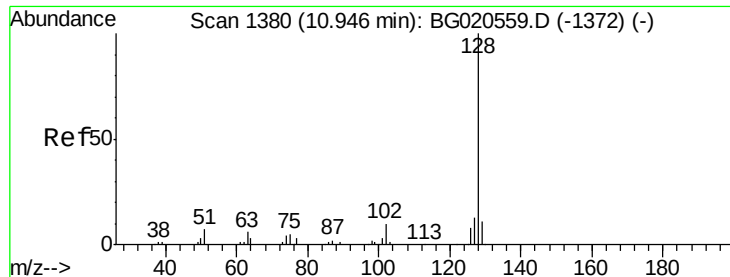
Ion Ratio Lower Upper

107 100

121 49.9 39.0 58.4

122 78.0 62.1 93.1

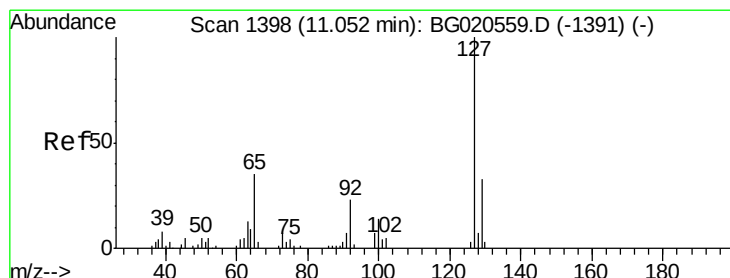
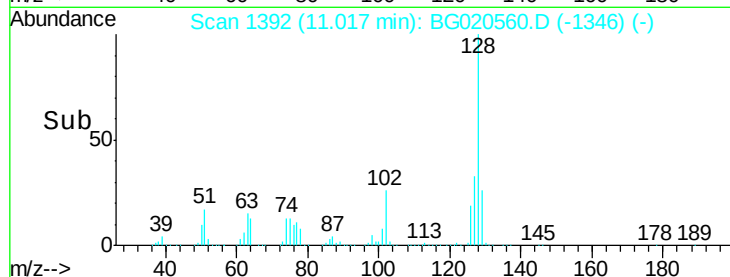
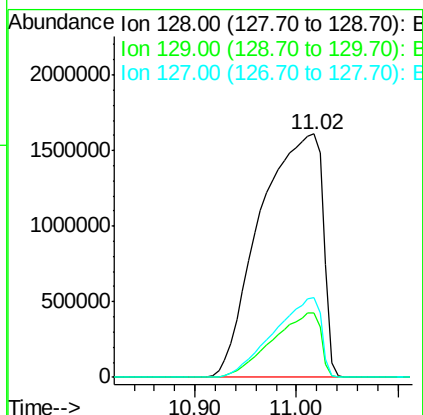
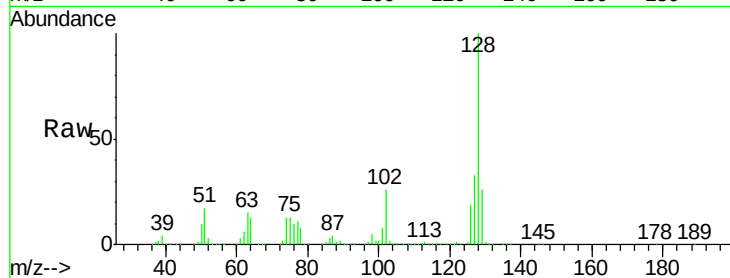




#28
Naphthalene
Concen: 328.12 ng/ul
RT: 11.02 min Scan# 1392
Delta R.T. 0.07 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

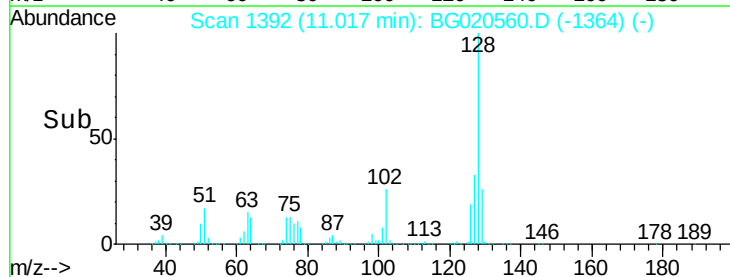
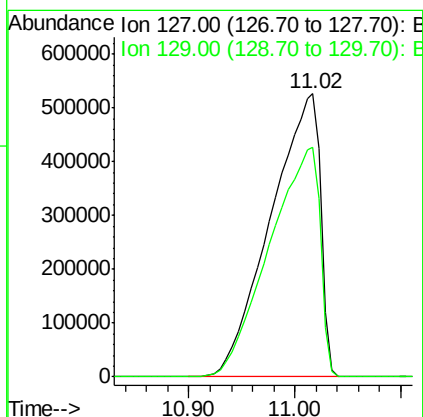
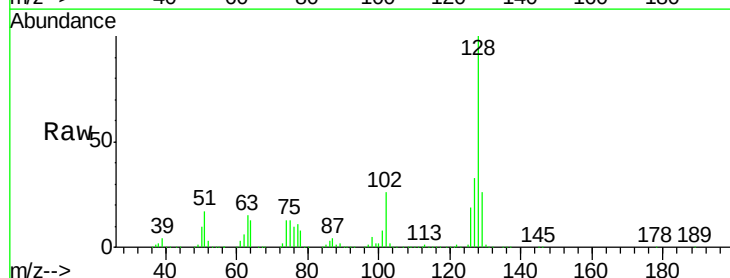
Instrument :
BNA_G
ClientSampleId :
D9N53

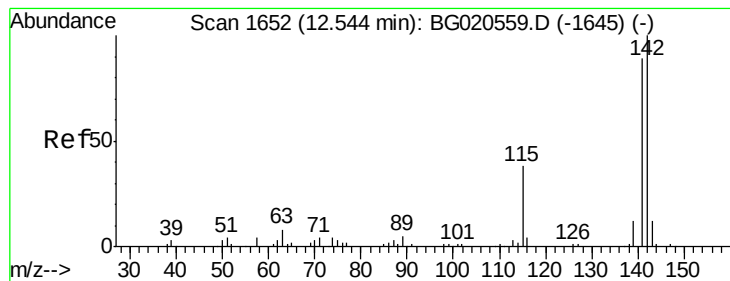
Tgt Ion:128 Resp: 6920684
Ion Ratio Lower Upper
128 100
129 26.4 8.6 12.8#
127 32.7 10.1 15.1#



#30
4-Chloroaniline
Concen: 218.16 ng/ul
RT: 11.02 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Tgt Ion:127 Resp: 1719632
Ion Ratio Lower Upper
127 100
129 80.9 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 97.05 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

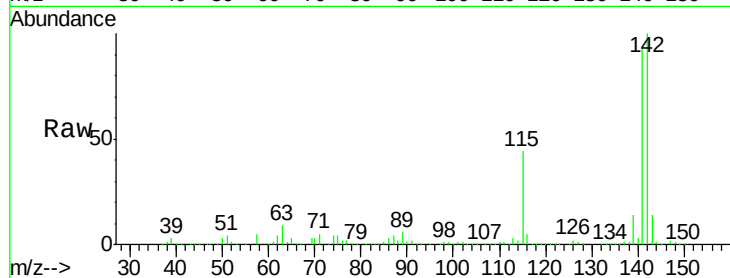
D9N53

Tgt Ion:142 Resp: 1514569

Ion Ratio Lower Upper

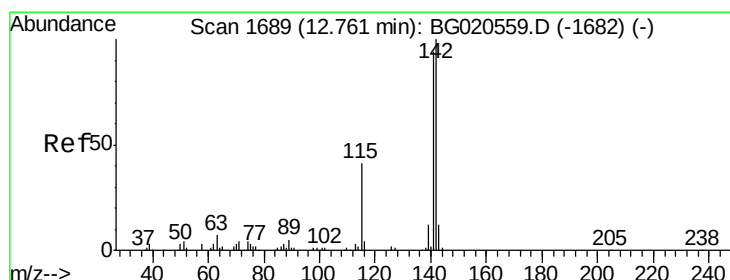
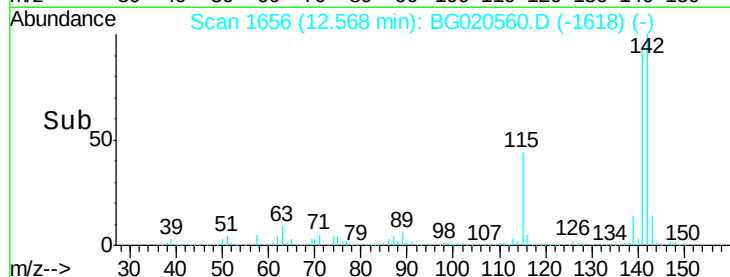
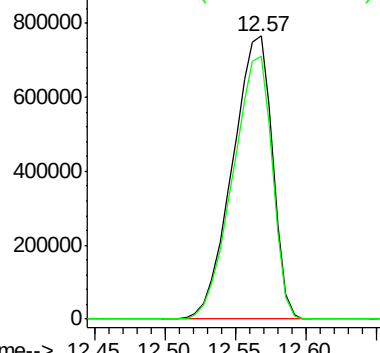
142 100

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



#35

1-Methylnaphthalene

Concen: 59.15 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

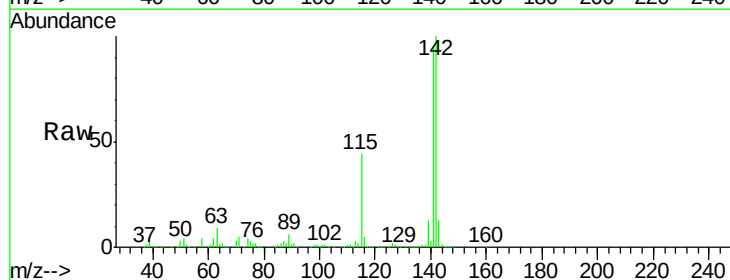
Tgt Ion:142 Resp: 876863

Ion Ratio Lower Upper

142 100

141 95.3 73.0 109.6

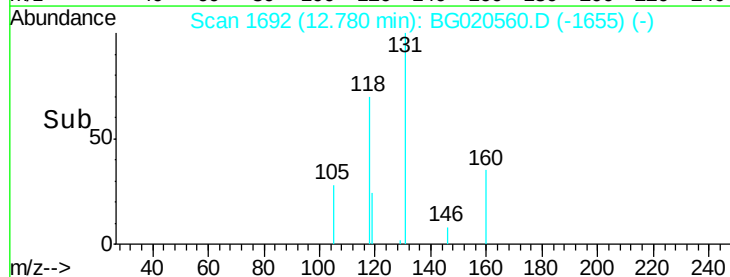
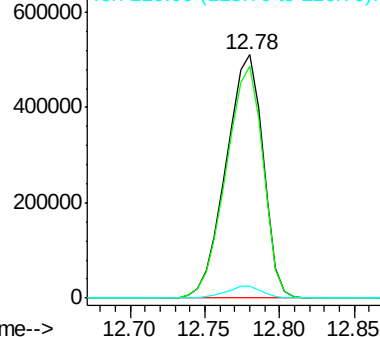
116 4.9 3.0 4.6#

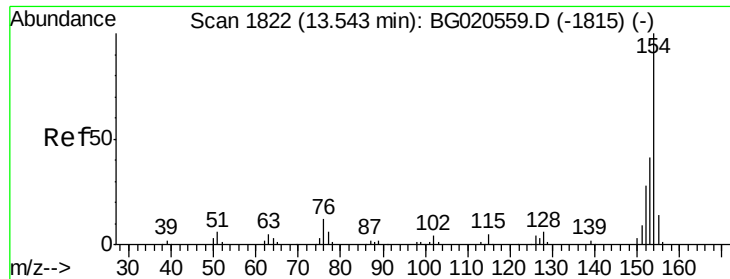


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

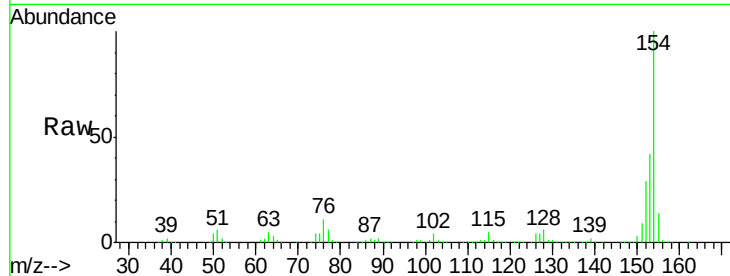




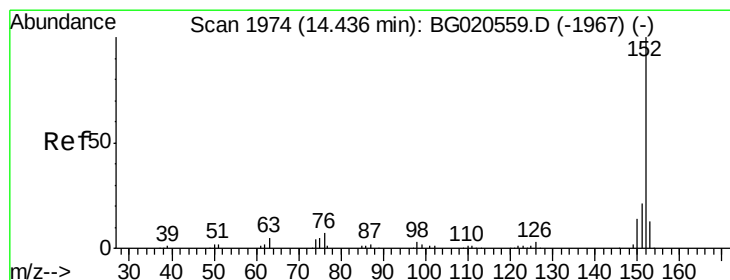
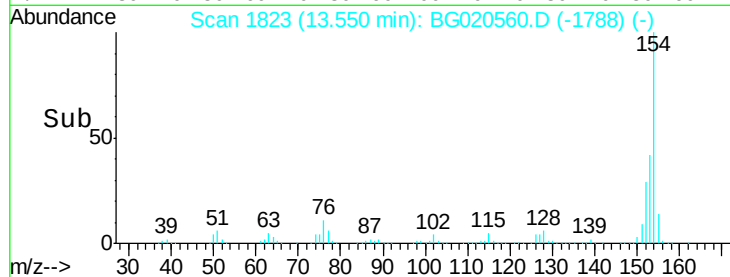
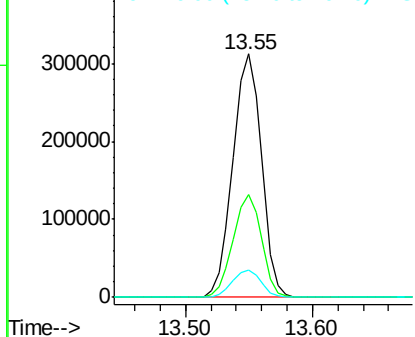
#41
1,1'-Biphenyl
Concen: 22.71 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Instrument :
BNA_G
ClientSampleId :
D9N53

Tgt Ion:154 Resp: 485847
Ion Ratio Lower Upper
154 100
153 42.0 35.5 53.3
76 11.3 10.4 15.6

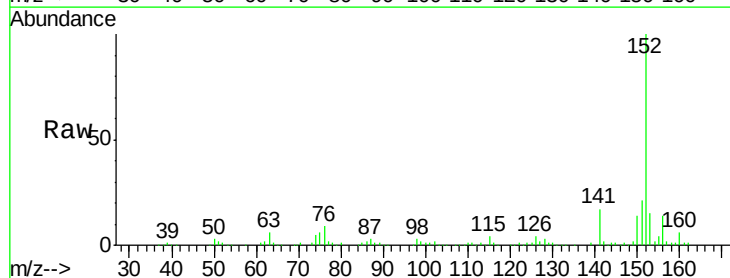


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

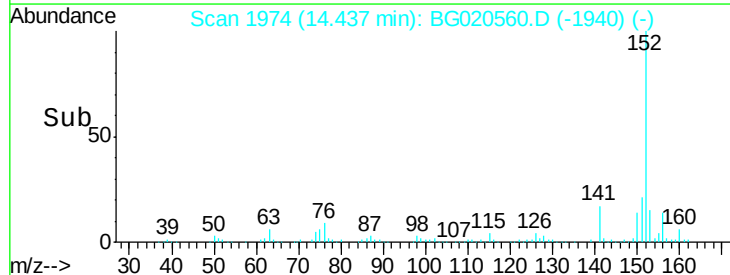
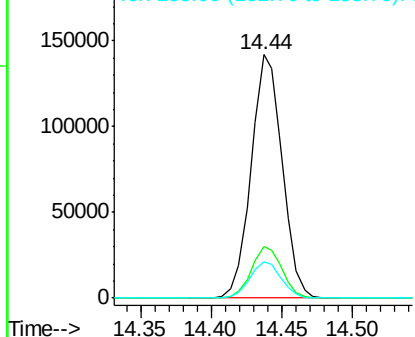


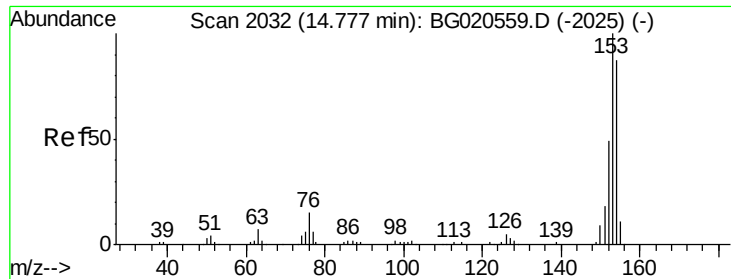
#48
Acenaphthylene
Concen: 7.87 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.00 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Tgt Ion:152 Resp: 218961
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6
153 15.0 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: 109.50 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

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D9N53

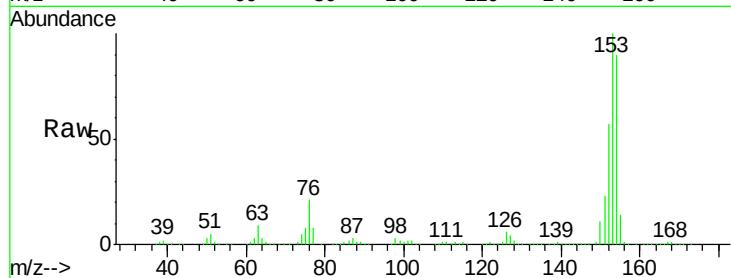
Tgt Ion:153 Resp: 2059471

Ion Ratio Lower Upper

153 100

152 56.8 37.6 56.4#

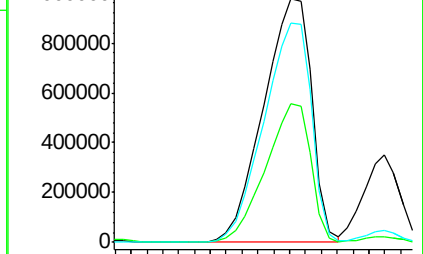
154 90.0 67.9 101.9



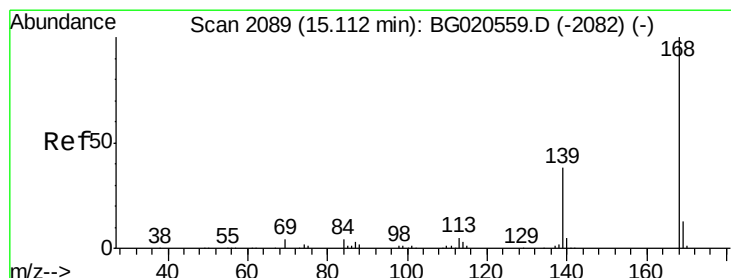
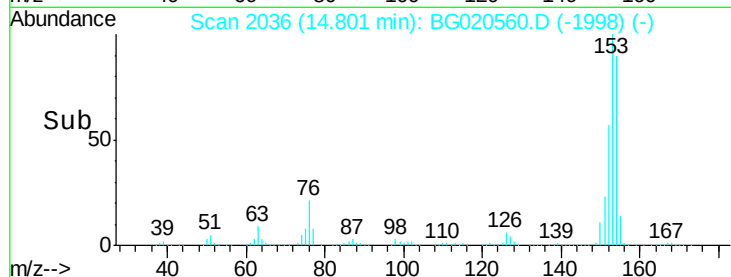
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#54

Dibenzofuran

Concen: 61.55 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020560.D

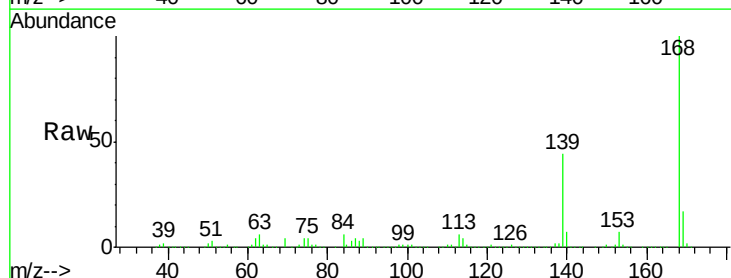
Acq: 27 Dec 2015 18:35

Tgt Ion:168 Resp: 1722187

Ion Ratio Lower Upper

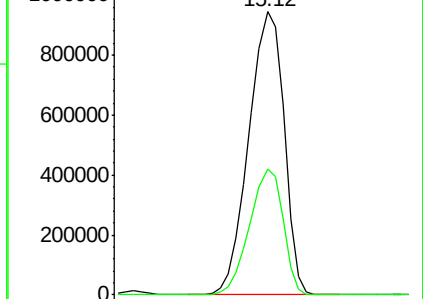
168 100

139 44.4 30.5 45.7

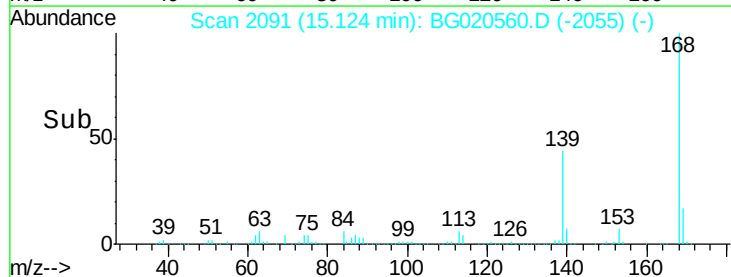


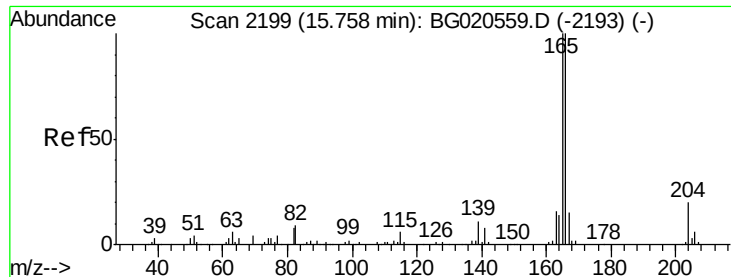
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#59

Fluorene

Concen: 65.87 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampled :

D9N53

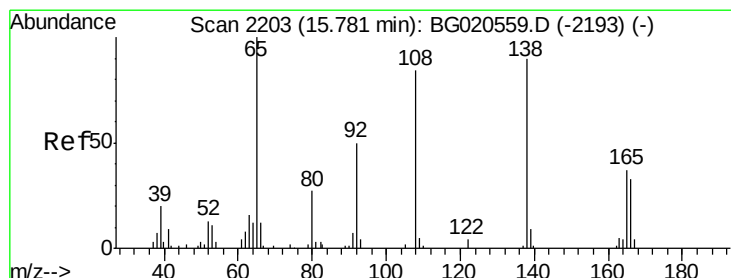
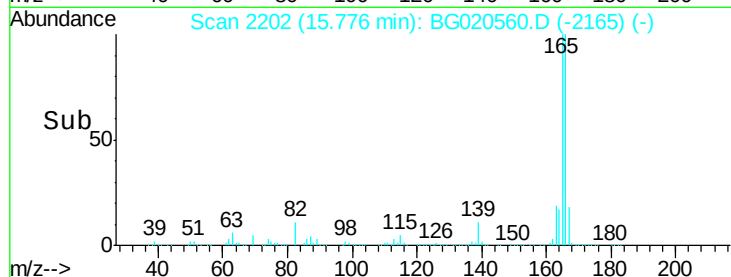
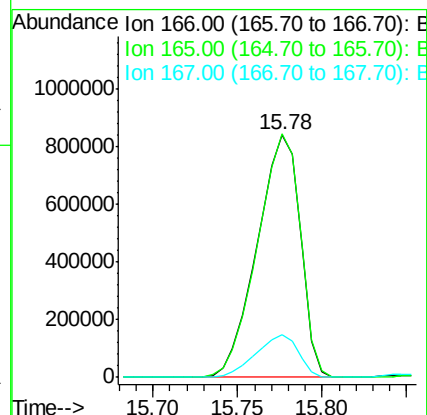
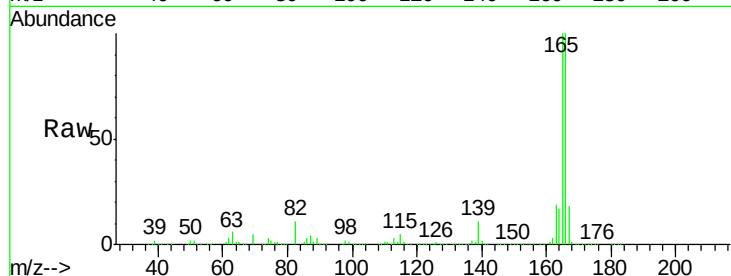
Tgt Ion:166 Resp: 1493593

Ion Ratio Lower Upper

166 100

165 100.3 81.4 122.0

167 17.6 11.2 16.8#



#61

4-Nitroaniline

Concen: 4.37 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

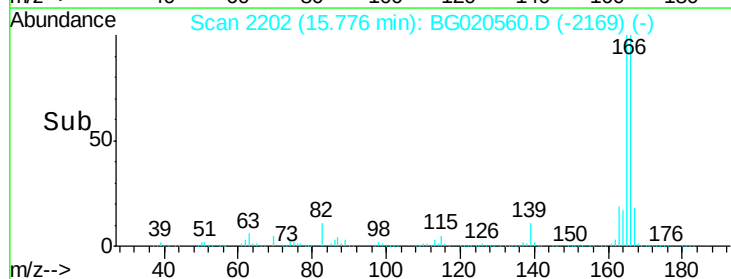
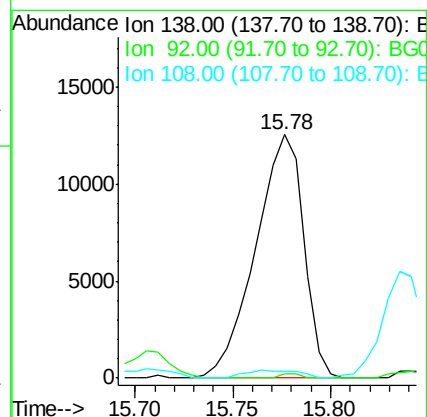
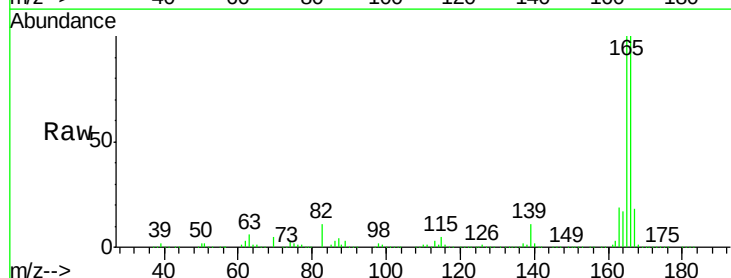
Tgt Ion:138 Resp: 21408

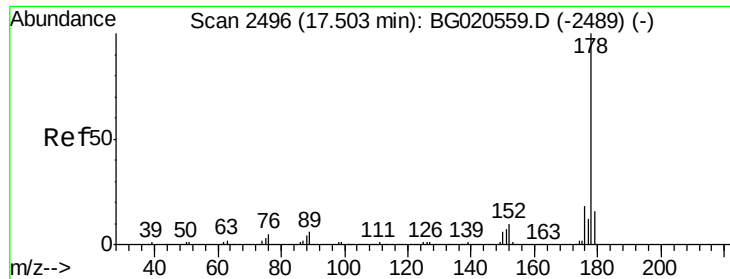
Ion Ratio Lower Upper

138 100

92 1.9 45.2 67.8#

108 2.9 75.4 113.0#





#70

Phenanthrene

Concen: 5.35 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.09 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

D9N53

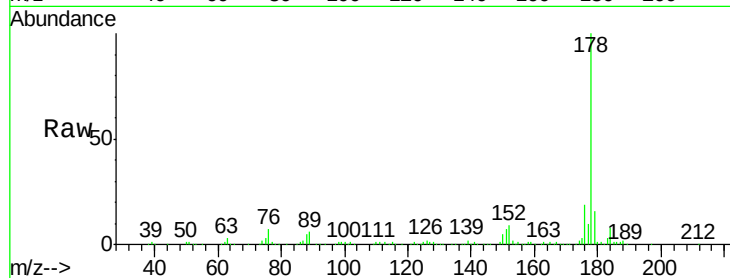
Tgt Ion:178 Resp: 191945

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

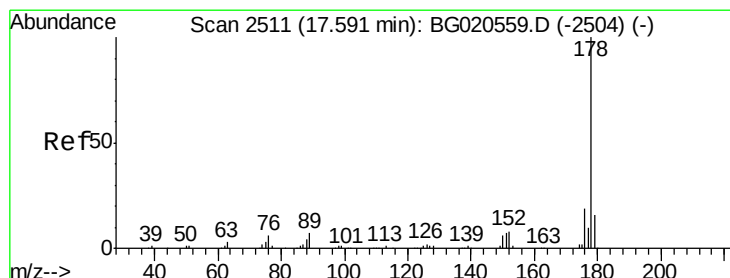
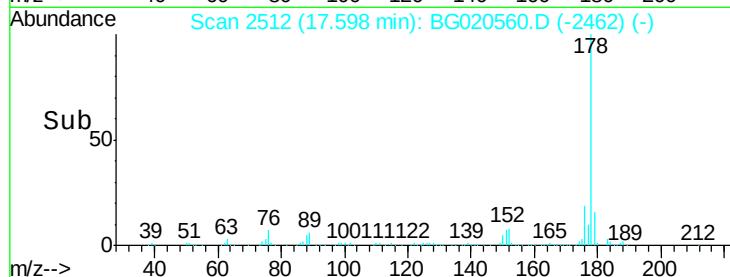
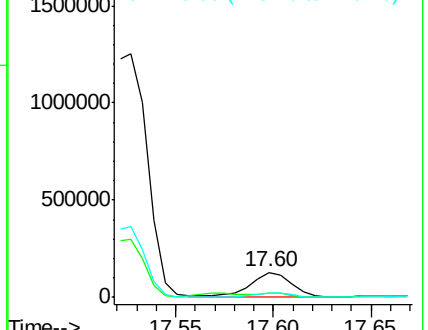
176 18.5 15.3 22.9



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: 5.25 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

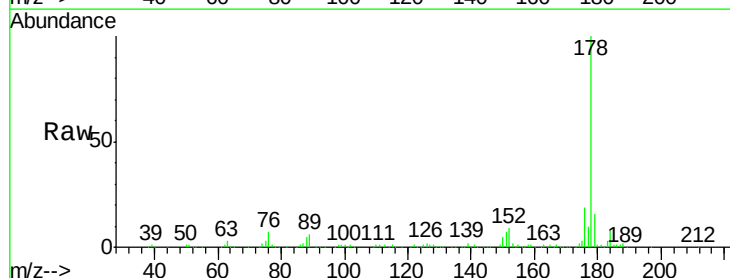
Tgt Ion:178 Resp: 192726

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

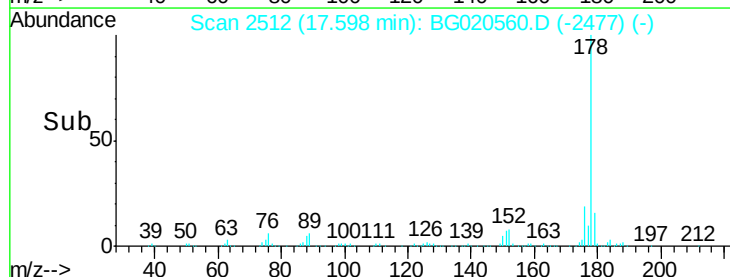
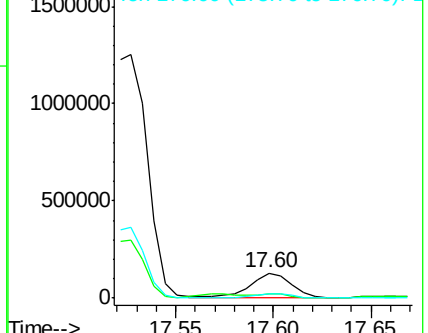
176 18.5 14.3 21.5

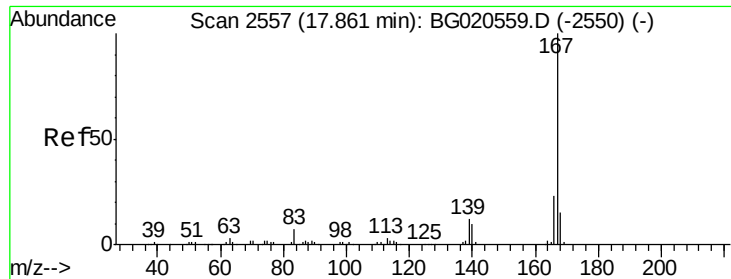


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 45.99 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

D9N53

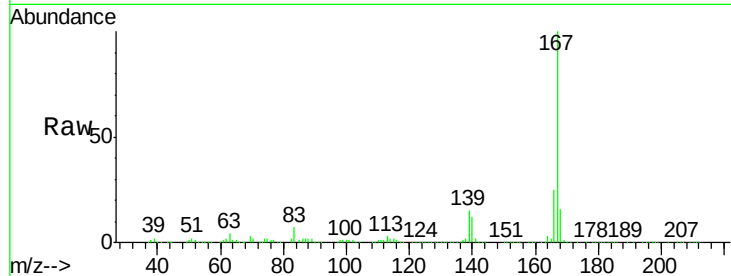
Tgt Ion:167 Resp: 1421624

Ion Ratio Lower Upper

167 100

166 25.1 17.0 25.6

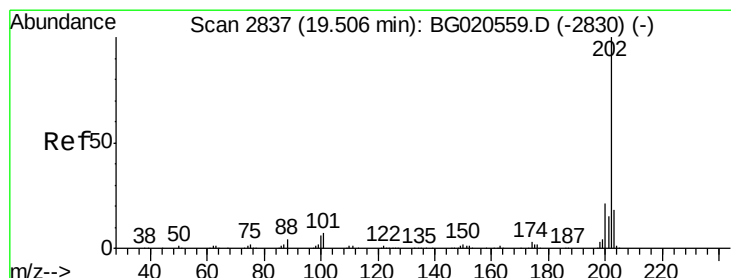
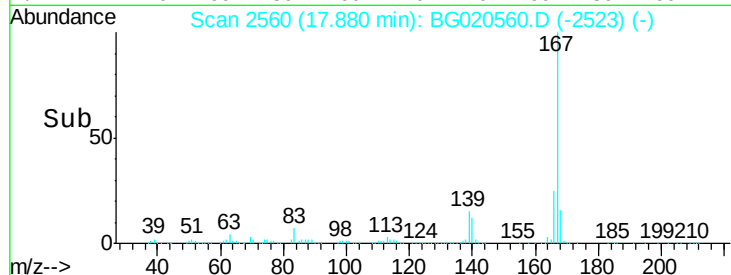
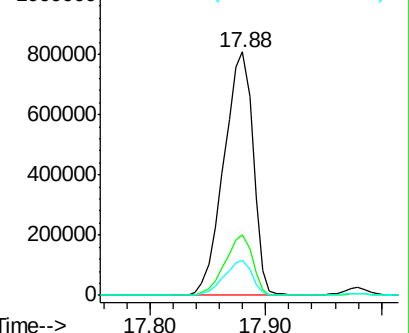
139 14.6 10.1 15.1



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: 12.07 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

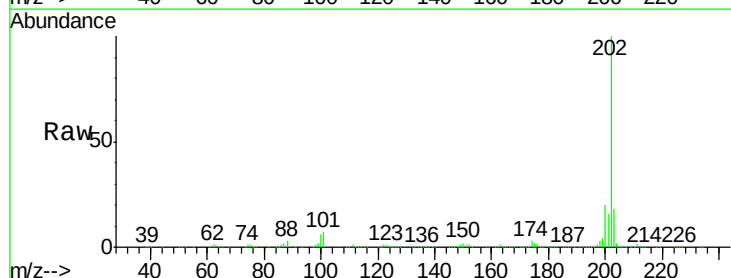
Tgt Ion:202 Resp: 544496

Ion Ratio Lower Upper

202 100

101 6.8 6.2 9.4

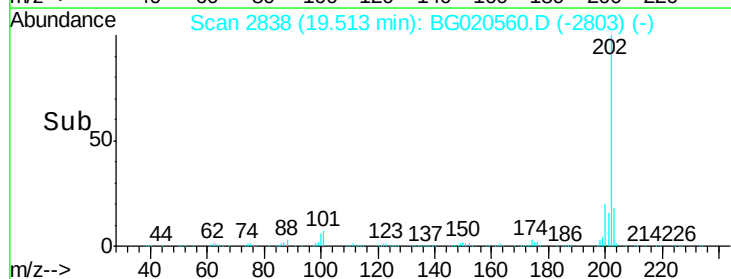
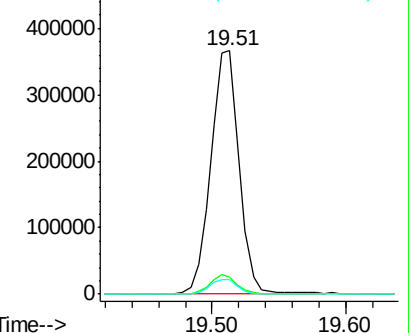
100 5.7 5.1 7.7

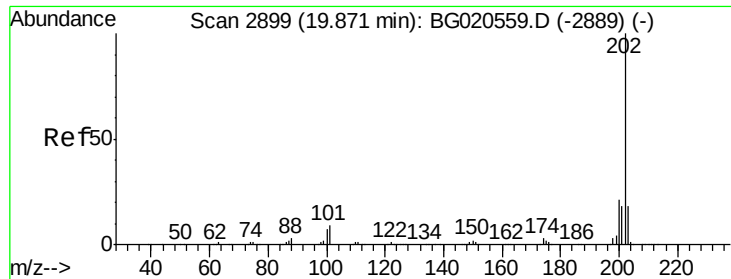


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

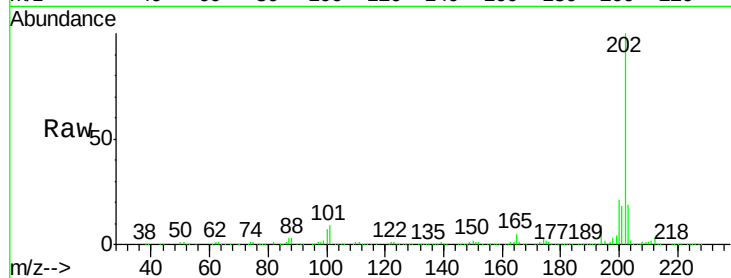




#80
 Pyrene
 Concen: 6.97 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tgt Ion:	202	Resp:	305957
Ion	Ratio	Lower	Upper
202	100		
101	8.6	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

