

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020606.D
 Acq On : 30 Dec 2015 13:18
 Operator : UM/SJ
 Sample : G4846-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Quant Time: Dec 30 23:53:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 30 23:49:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23117	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	104726	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	72735	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	172916	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	210712	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	203087	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	471	1.22	ng/uL	0.00
5) Phenol-d5	7.22	99	13658	6.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	36922	31.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	38676	25.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	27710	16.54	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	26303	32.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	31154	33.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	50795	28.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1911	0.90	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	186154	31.27	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	218748	32.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	6084	6.52	ng/ul	0.00
58) Fluorene-d10	15.69	176	170647	31.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	31114	29.67	ng/ul	0.00
71) Anthracene-d10	17.54	188	264550	32.84	ng/ul	0.00
79) Pyrene-d10	19.82	212	308697	32.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	349627	34.51	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.25	94	9117	4.33 ng/ul	98
11) 2-Methylphenol	8.50	108	23720	14.63 ng/ul	97
14) Acetophenone	8.89	105	5857	2.13 ng/ul#	87
16) 4-Methylphenol	8.84	108	53586	29.88 ng/ul	91
17) Hexachloroethane	9.17	117	1516	2.31 ng/ul#	1
24) 2,4-Dimethylphenol	10.05	107	49351	23.65 ng/ul	97
28) Naphthalene	10.98	128	5337736	962.45 ng/ul#	66
30) 4-Chloroaniline	10.98	127	1169602	537.43 ng/ul#	12
34) 2-Methylnaphthalene	12.54	142	1053426	253.85 ng/ul	99
35) 1-Methylnaphthalene	12.76	142	604192	150.84 ng/ul	98
41) 1,1'-Biphenyl	13.53	154	325467	59.47 ng/ul	99
48) Acenaphthylene	14.42	152	147222	20.44 ng/ul	98
49) 3-Nitroaniline	14.78	138	1825	1.59 ng/ul#	10
50) Acenaphthene	14.78	153	1464985	300.63 ng/ul	95
54) Dibenzofuran	15.11	168	1224776	166.31 ng/ul	96
59) Fluorene	15.75	166	1051003	177.42 ng/ul	98
61) 4-Nitroaniline	15.75	138	13932	11.10 ng/ul#	16
70) Phenanthrene	17.58	178	130265	13.86 ng/ul	99
72) Anthracene	17.58	178	130543	13.58 ng/ul	98
75) Carbazole	17.86	167	1004134	123.75 ng/ul#	94
77) Fluoranthene	19.49	202	386719	33.67 ng/ul	100
80) Pyrene	19.85	202	218418	17.90 ng/ul	100

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QLast Update : Wed Dec 30 23:49:10 2015
Response via : Initial Calibration

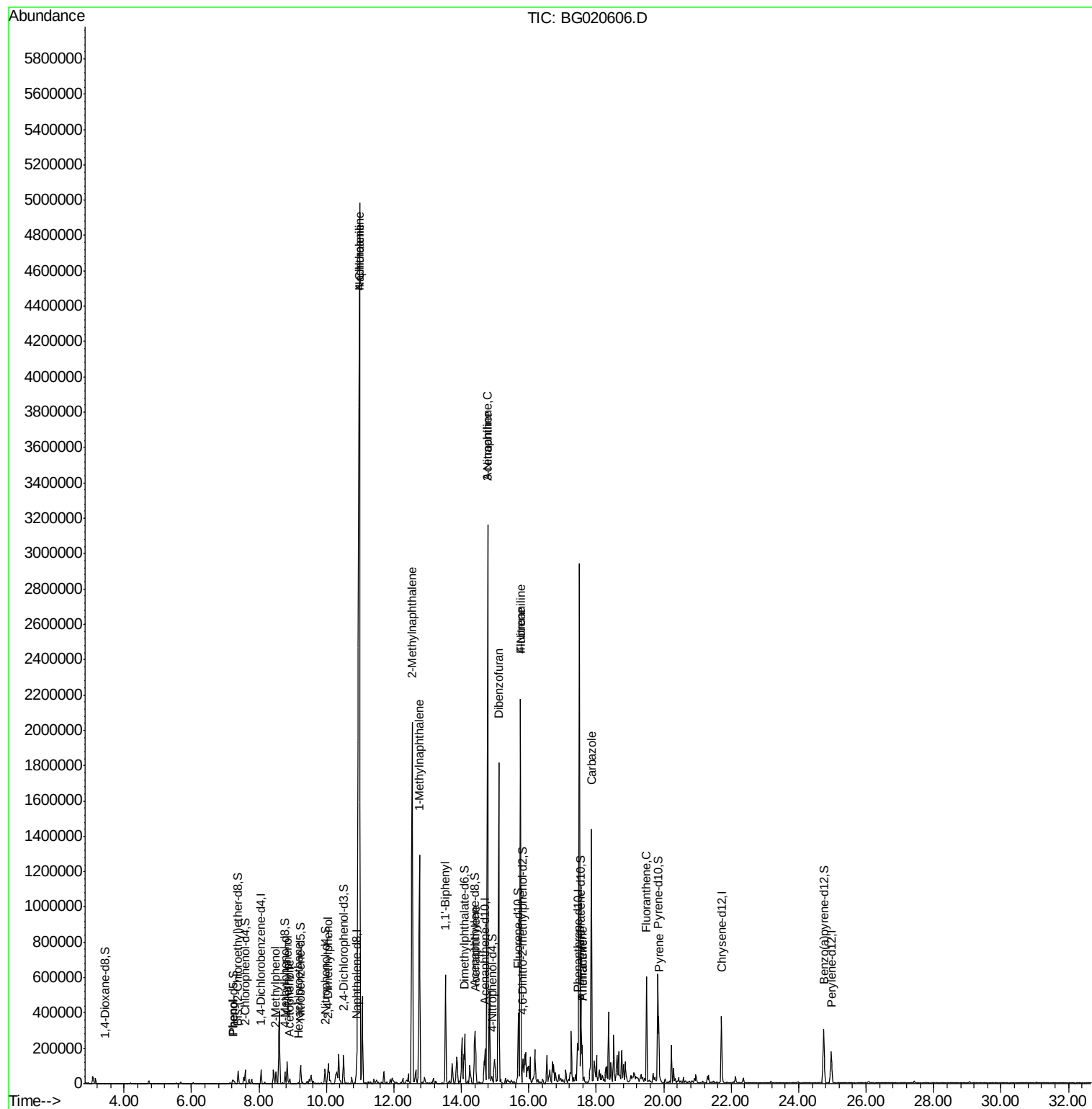
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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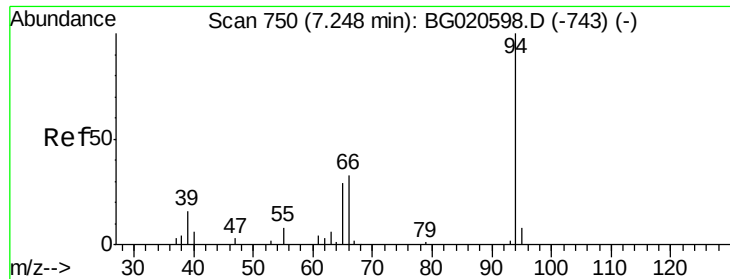
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.33 ng/ul

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampleId :

D9N53

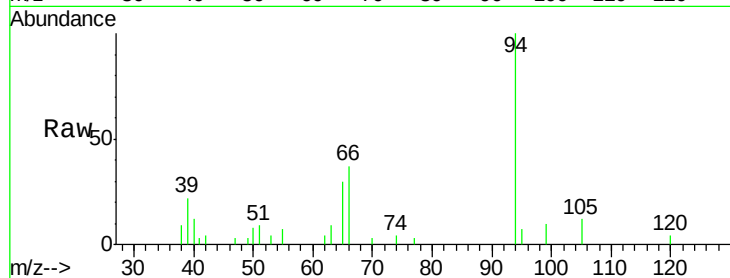
Tgt Ion: 94 Resp: 9117

Ion Ratio Lower Upper

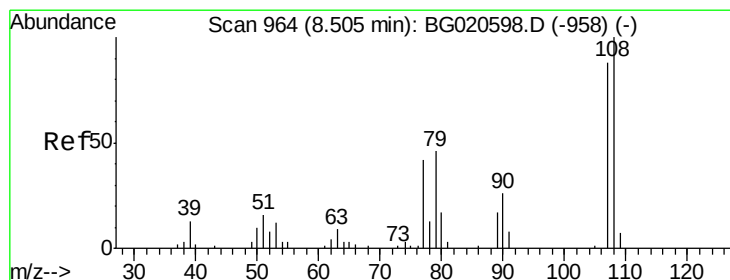
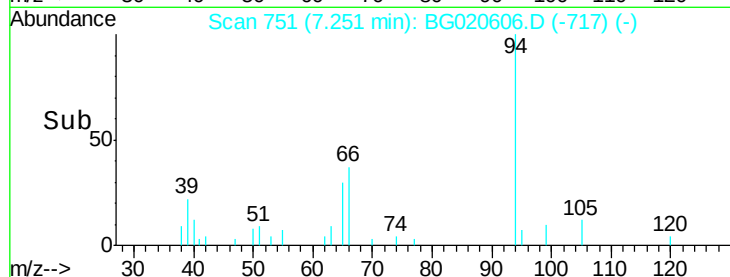
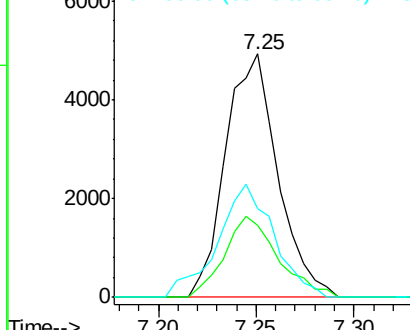
94 100

65 29.9 23.0 34.6

66 36.6 30.4 45.6



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: 14.63 ng/ul

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG020606.D

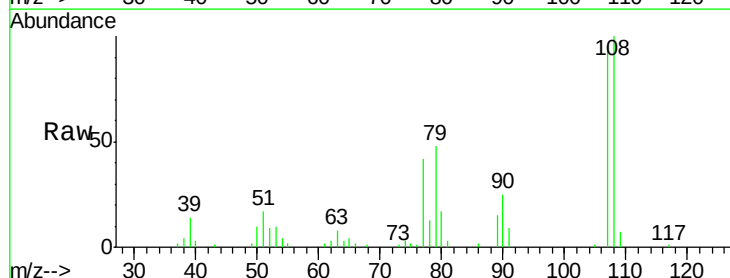
Acq: 30 Dec 2015 13:18

Tgt Ion: 108 Resp: 23720

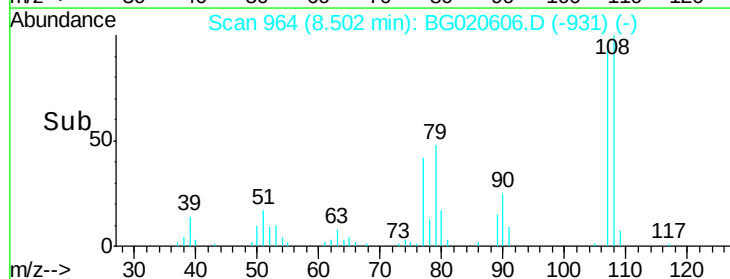
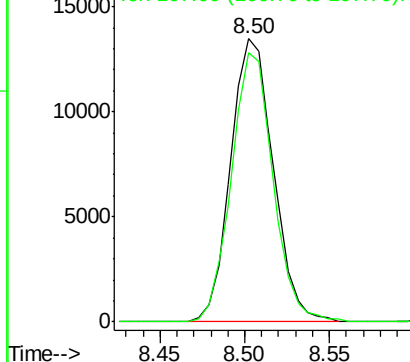
Ion Ratio Lower Upper

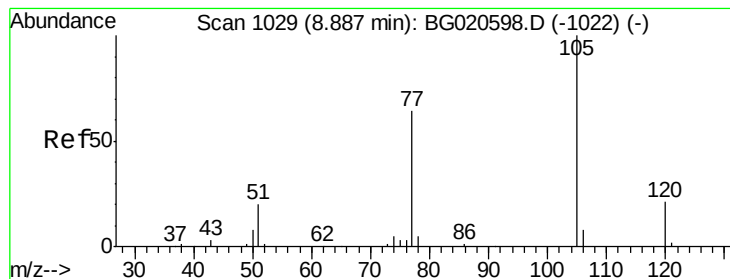
108 100

107 95.2 74.1 111.1



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





#14

Acetophenone

Concen: 2.13 ng/ul

RT: 8.89 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

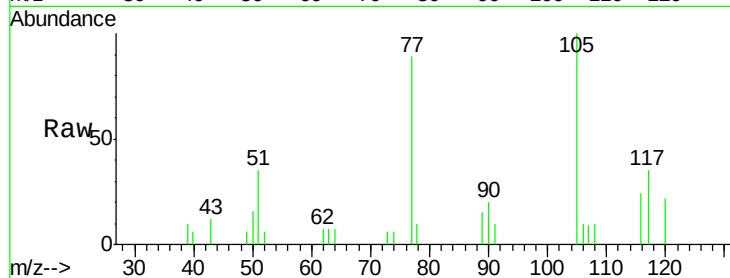
Instrument :

BNA_G

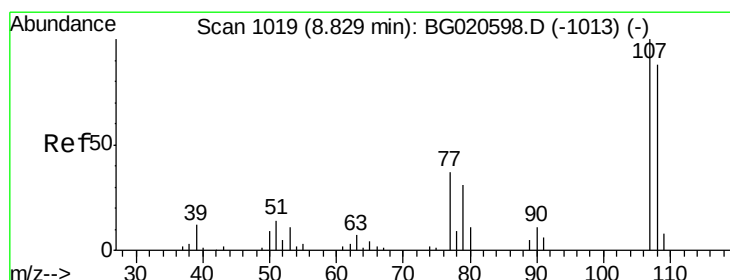
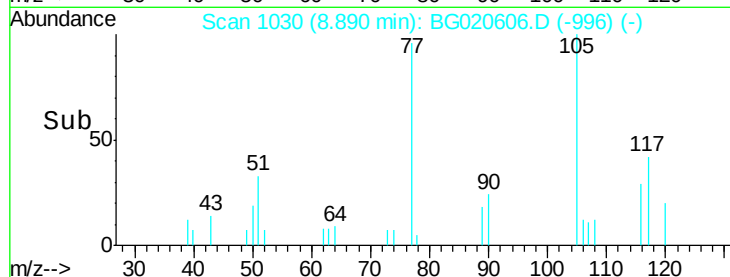
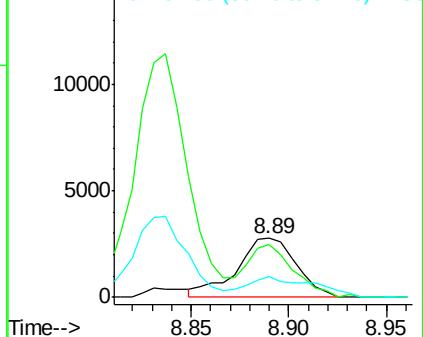
ClientSampleId :

D9N53

Tgt Ion:	105	Resp:	5857
Ion Ratio	Lower	Upper	
105	100		
77	88.8	63.2	94.8
51	35.0	19.8	29.8#



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: 29.88 ng/ul

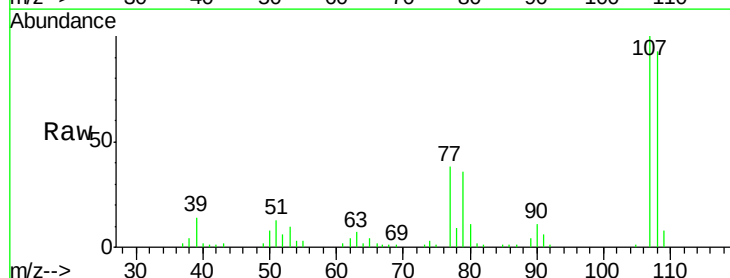
RT: 8.84 min Scan# 1021

Delta R.T. 0.01 min

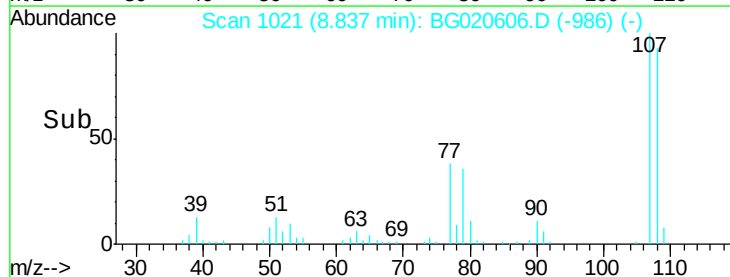
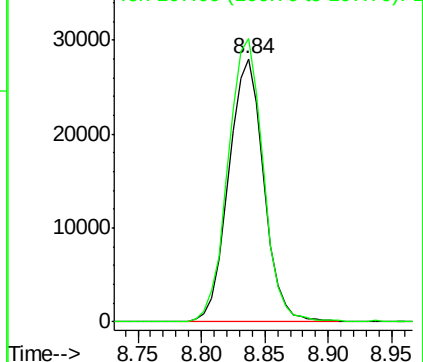
Lab File: BG020606.D

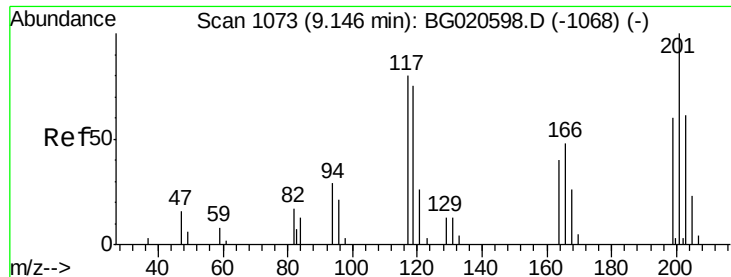
Acq: 30 Dec 2015 13:18

Tgt Ion:	108	Resp:	53586
Ion Ratio	Lower	Upper	
108	100		
107	107.6	93.6	140.4



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





#17

Hexachloroethane

Concen: 2.31 ng/ul

RT: 9.17 min Scan# 1078

Delta R.T. 0.03 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampled :

D9N53

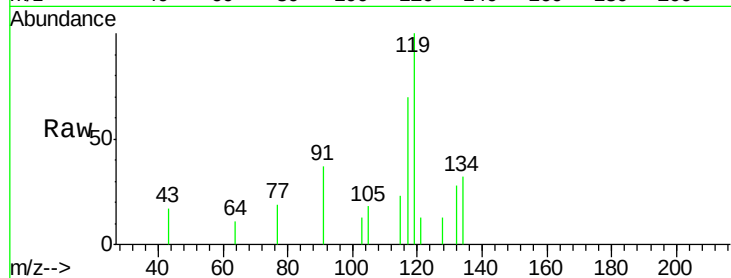
Tgt Ion:117 Resp: 1516

Ion Ratio Lower Upper

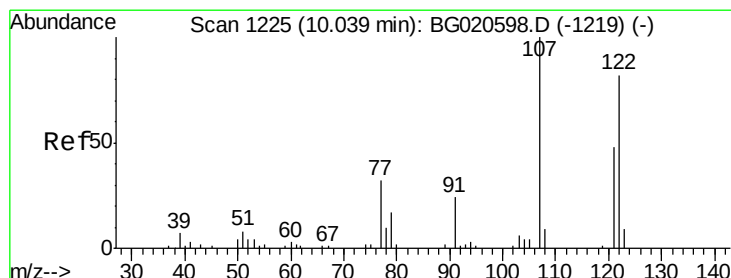
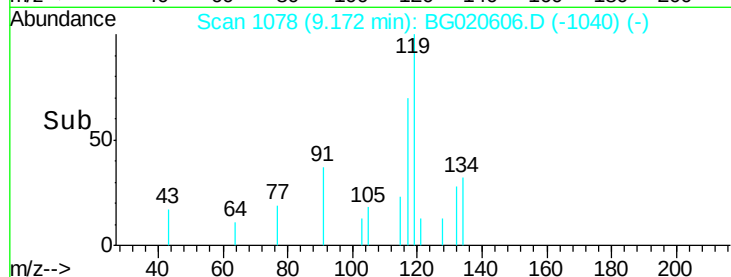
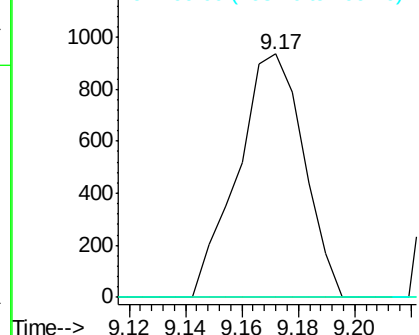
117 100

201 0.0 96.1 144.1#

199 0.0 59.7 89.5#



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: 23.65 ng/ul

RT: 10.05 min Scan# 1227

Delta R.T. 0.01 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

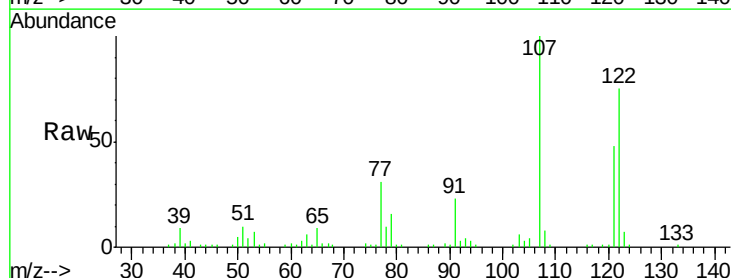
Tgt Ion:107 Resp: 49351

Ion Ratio Lower Upper

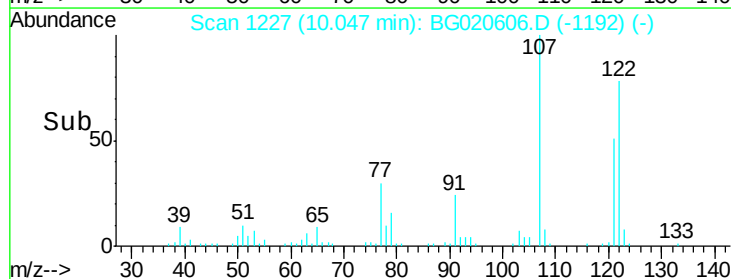
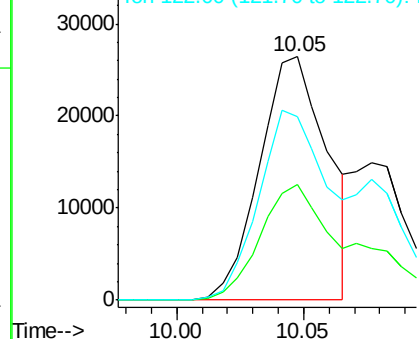
107 100

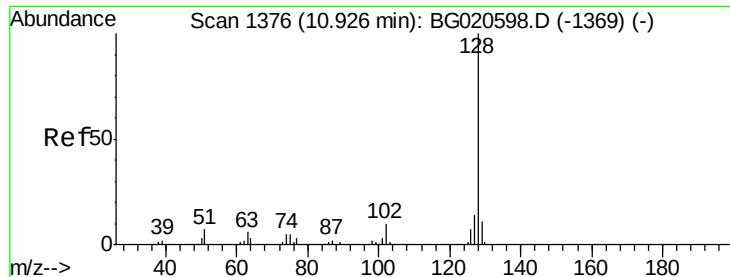
121 47.5 38.1 57.1

122 75.2 63.8 95.8



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: 962.45 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. 0.06 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampleId :

D9N53

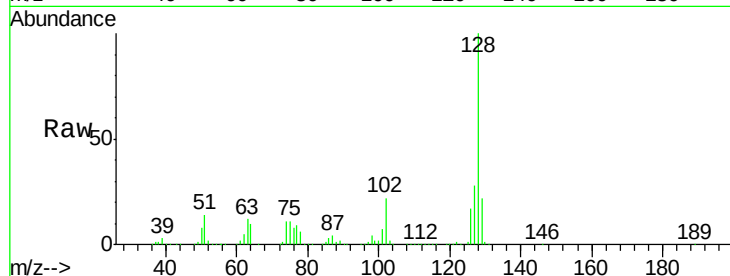
Tgt Ion:128 Resp: 5337736

Ion Ratio Lower Upper

128 100

129 22.2 8.3 12.5#

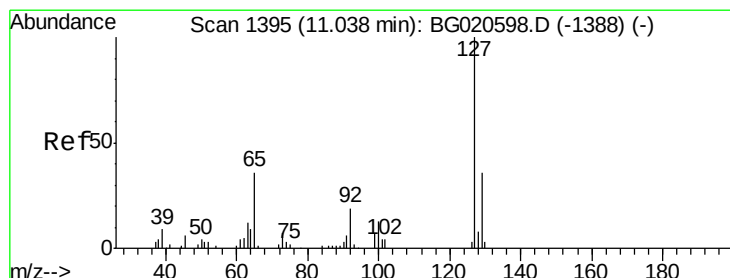
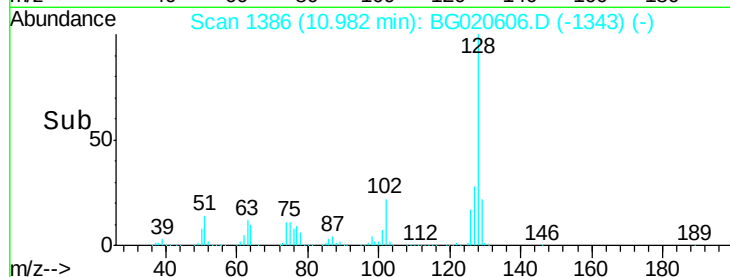
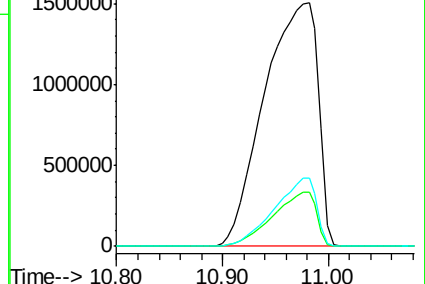
127 28.0 10.8 16.2#



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



#30

4-Chloroaniline

Concen: 537.43 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. -0.06 min

Lab File: BG020606.D

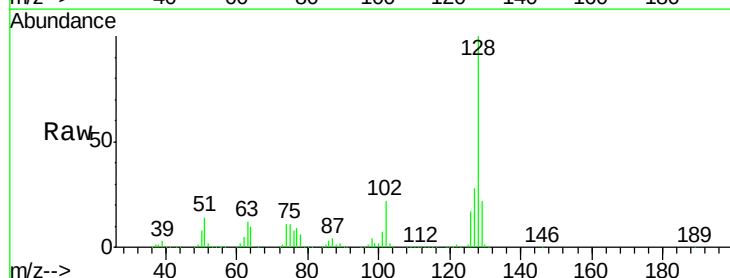
Acq: 30 Dec 2015 13:18

Tgt Ion:127 Resp: 1169602

Ion Ratio Lower Upper

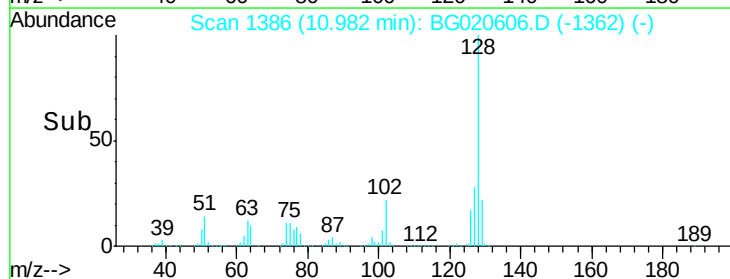
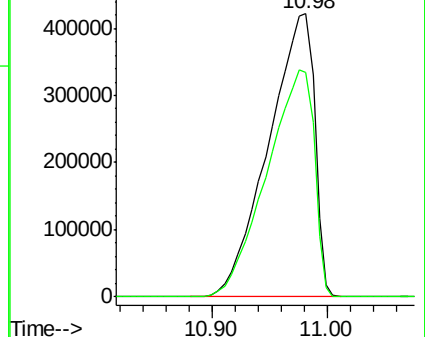
127 100

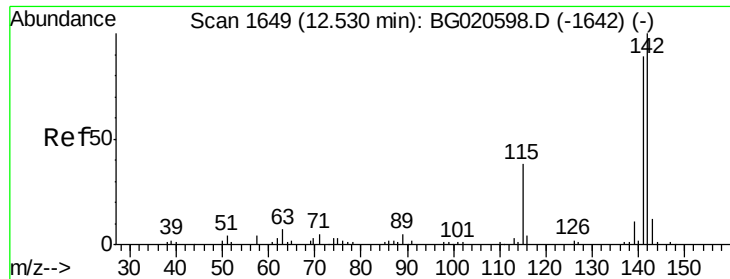
129 79.3 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

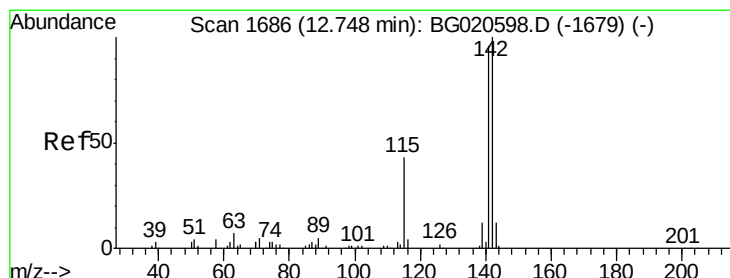
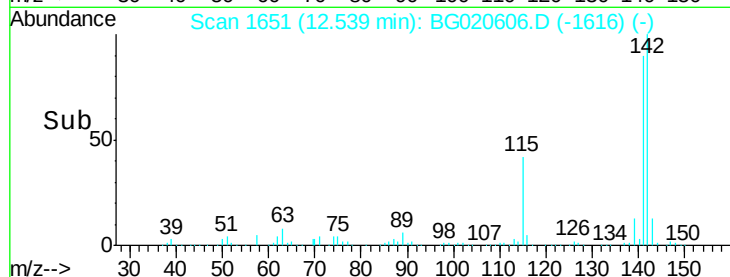
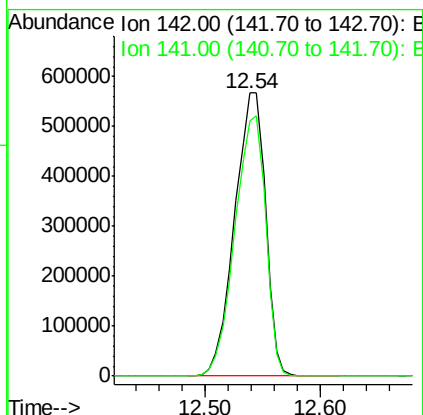
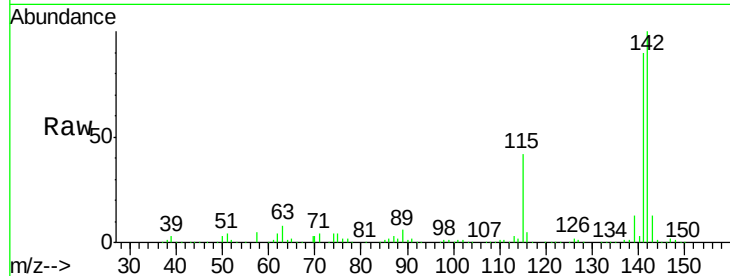




#34
 2-Methylnaphthalene
 Concen: 253.85 ng/ul
 RT: 12.54 min Scan# 1651
 Delta R.T. 0.01 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

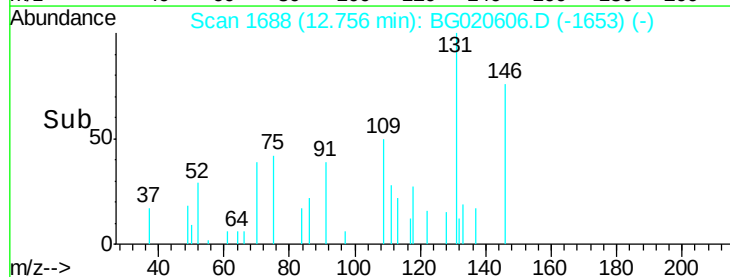
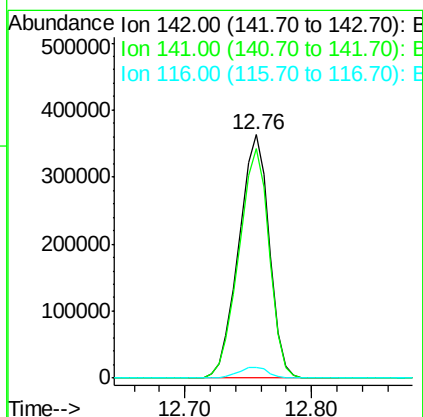
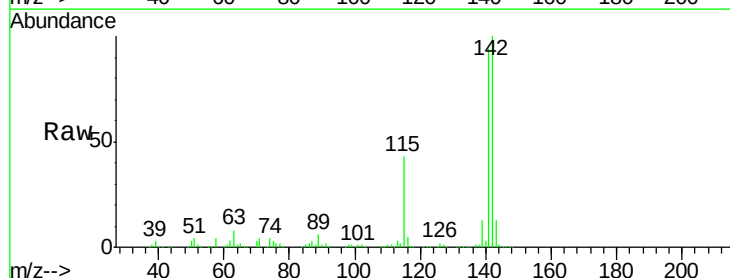
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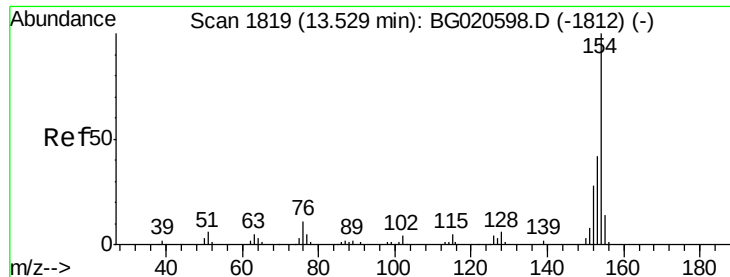
Tgt Ion:142 Resp: 1053426
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.4 107.2



#35
 1-Methylnaphthalene
 Concen: 150.84 ng/ul
 RT: 12.76 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Tgt Ion:142 Resp: 604192
 Ion Ratio Lower Upper
 142 100
 141 94.2 76.6 115.0
 116 4.6 3.6 5.4

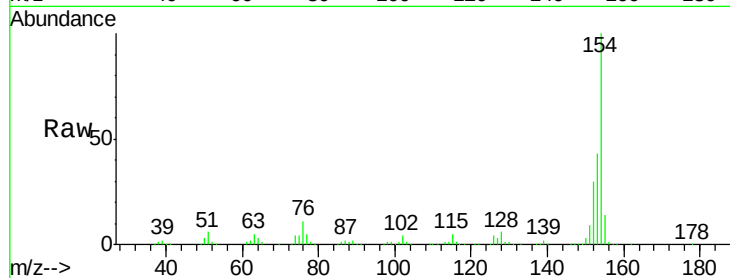




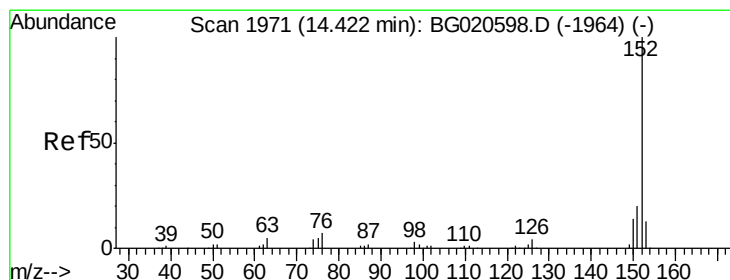
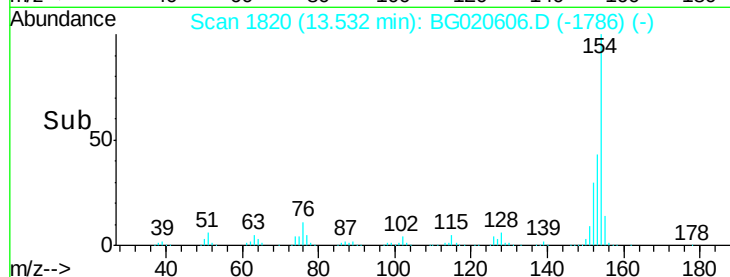
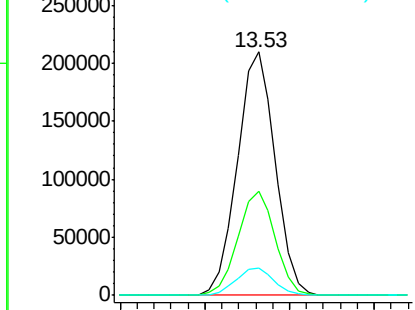
#41
 1,1'-Biphenyl
 Concen: 59.47 ng/ul
 RT: 13.53 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tgt Ion:154 Resp: 325467
 Ion Ratio Lower Upper
 154 100
 153 42.6 34.0 51.0
 76 11.5 8.4 12.6

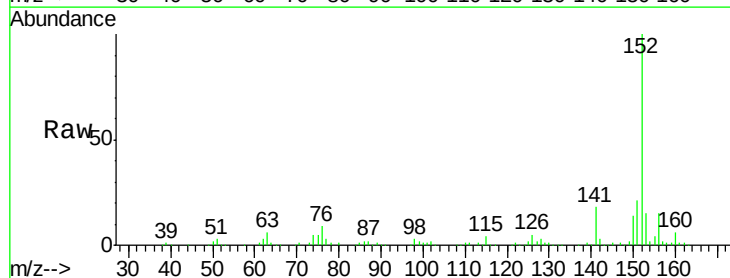


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

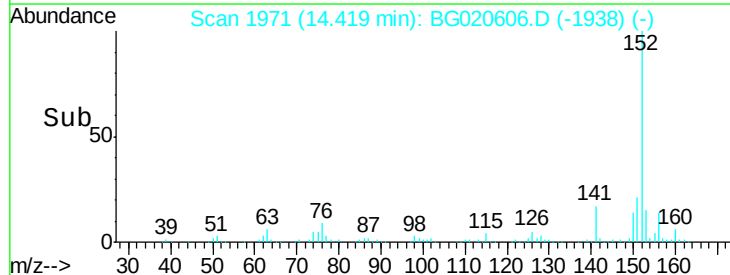
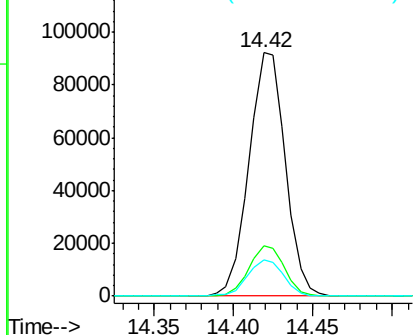


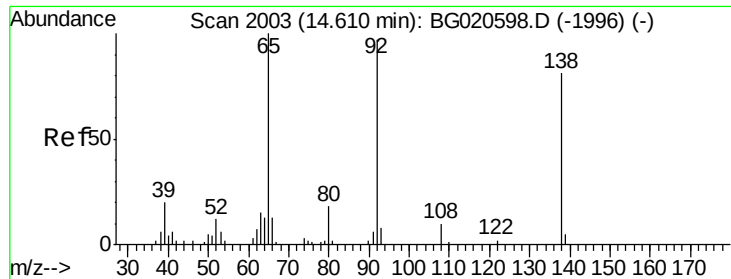
#48
 Acenaphthylene
 Concen: 20.44 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Tgt Ion:152 Resp: 147222
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.1 24.1
 153 14.8 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: 1.59 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.17 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampleId :

D9N53

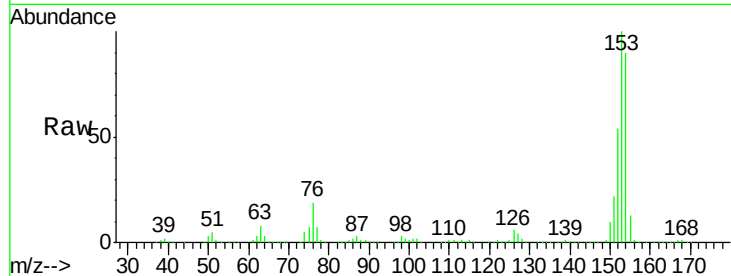
Tgt Ion:138 Resp: 1825

Ion Ratio Lower Upper

138 100

108 23.8 7.6 11.4#

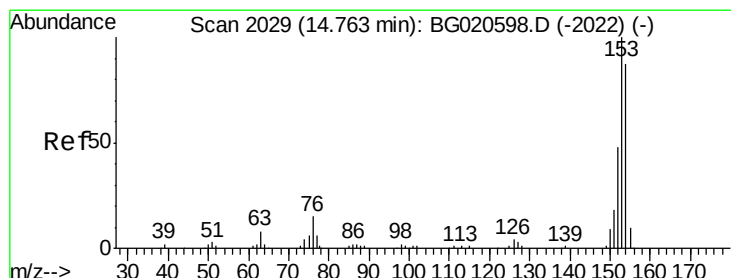
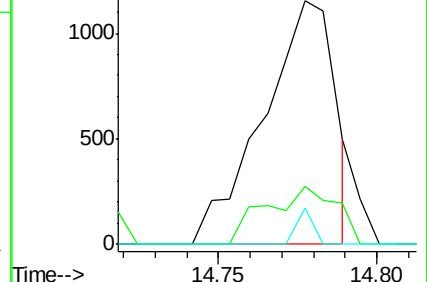
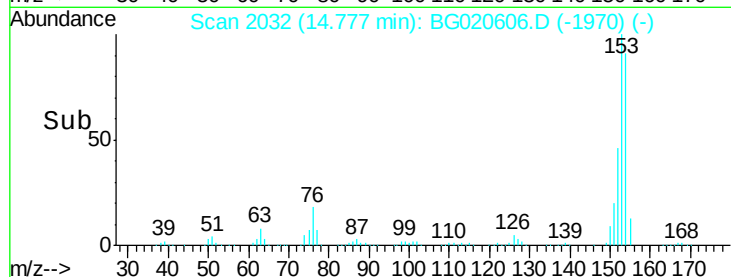
92 14.7 94.2 141.2#



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: 300.63 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

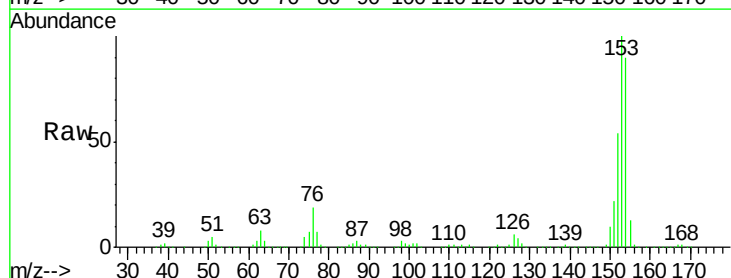
Tgt Ion:153 Resp: 1464985

Ion Ratio Lower Upper

153 100

152 53.6 37.9 56.9

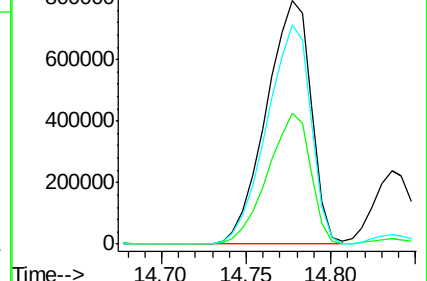
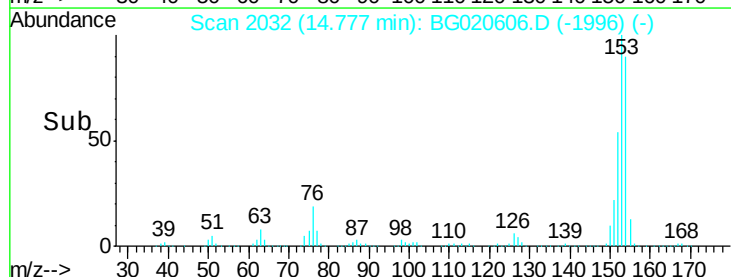
154 89.8 69.8 104.6

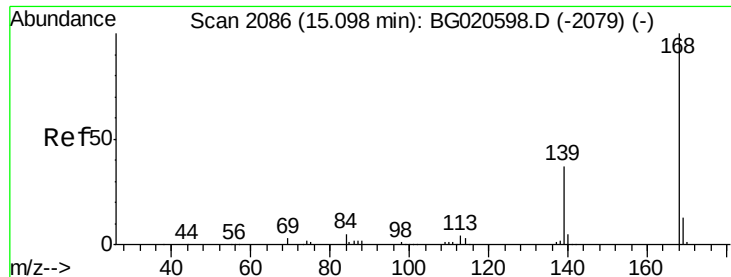


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 166.31 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampleId :

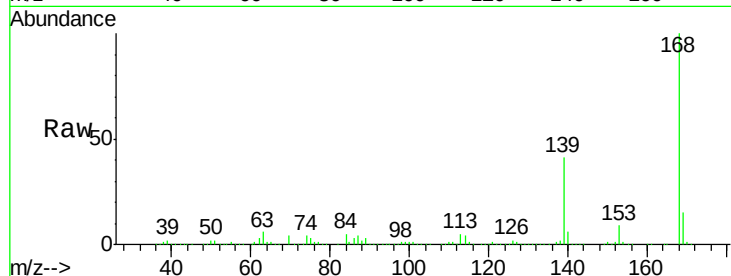
D9N53

Tgt Ion:168 Resp: 1224776

Ion Ratio Lower Upper

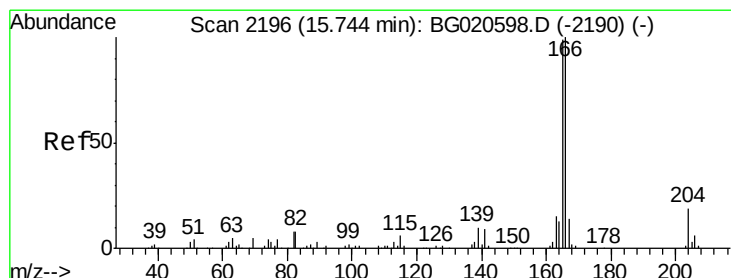
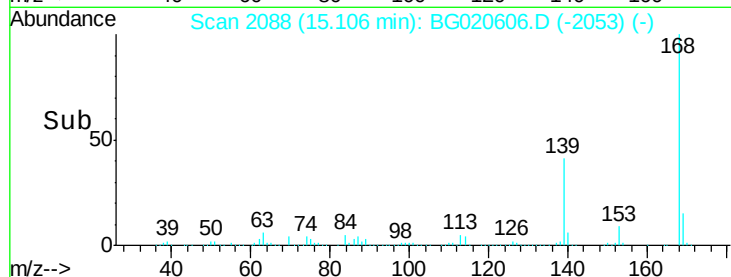
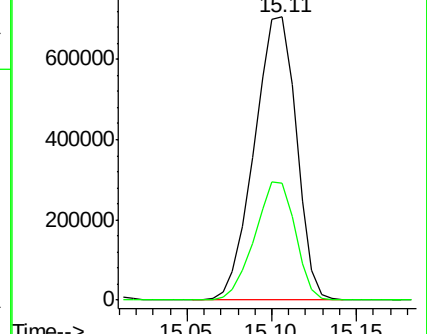
168 100

139 41.2 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: 177.42 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

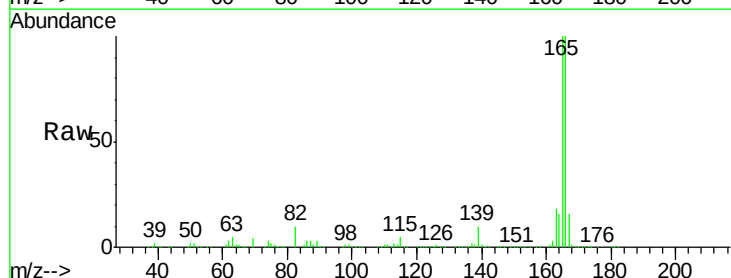
Tgt Ion:166 Resp: 1051003

Ion Ratio Lower Upper

166 100

165 99.8 78.4 117.6

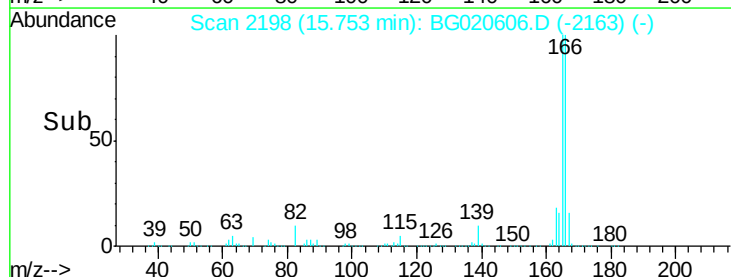
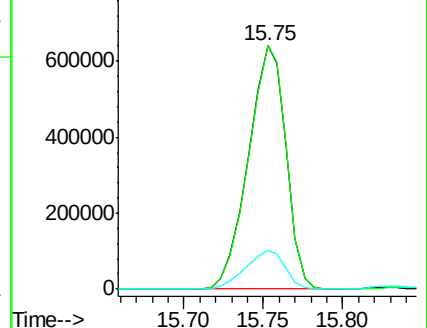
167 16.1 11.1 16.7

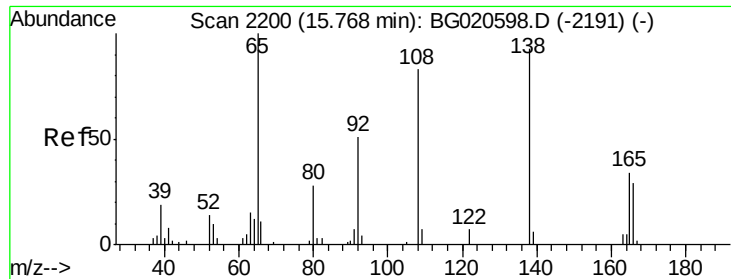


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

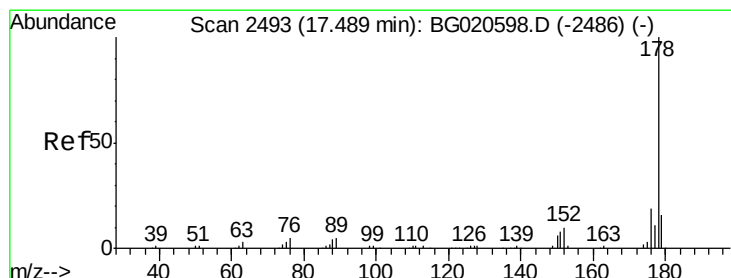
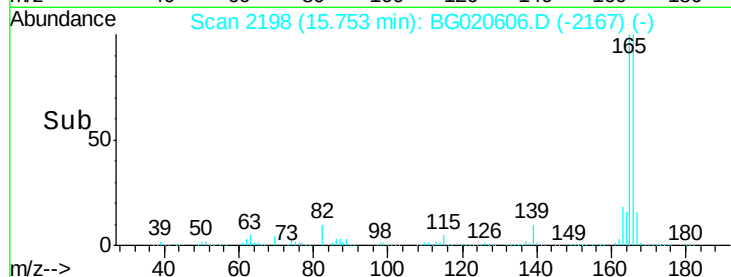
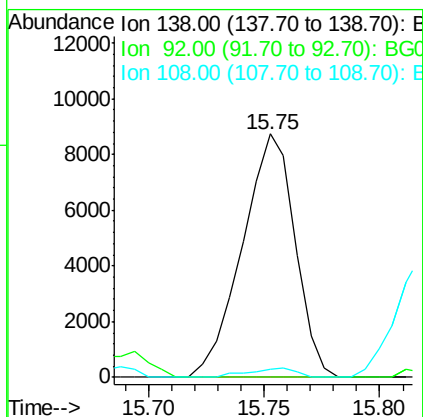
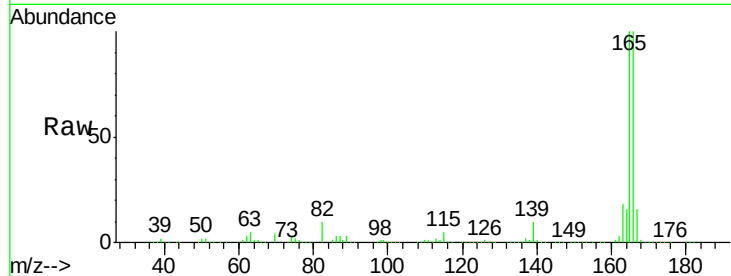




#61
 4-Nitroaniline
 Concen: 11.10 ng/ul
 RT: 15.75 min Scan# 2198
 Delta R.T. -0.02 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

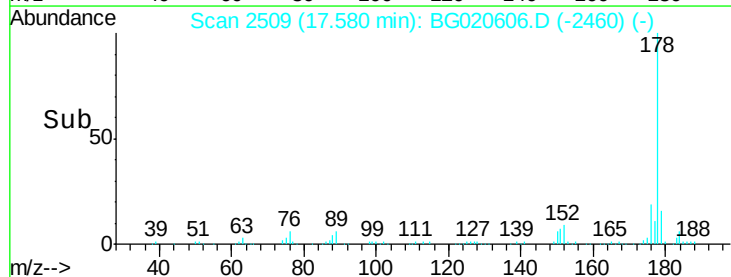
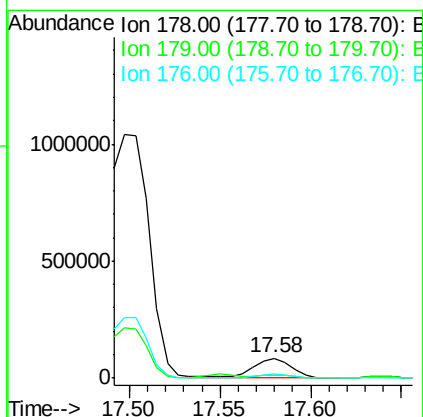
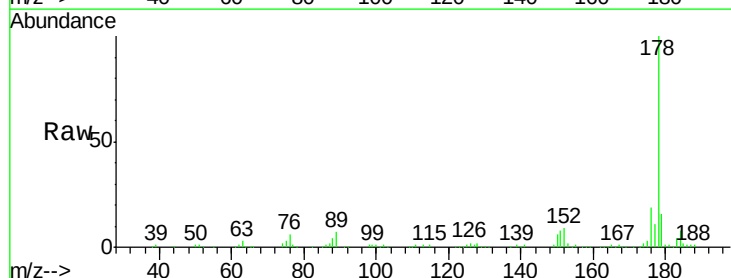
Instrument :
 BNA_G
 ClientSampleId :
 D9N53

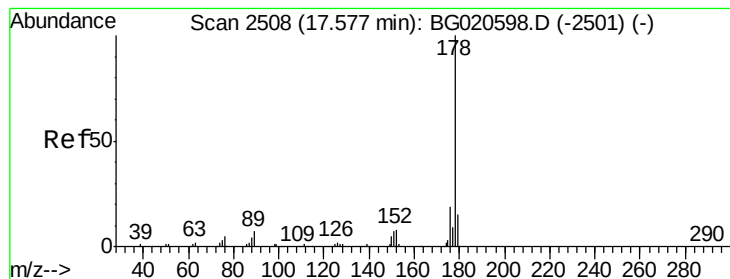
Tgt Ion:138 Resp: 13932
 Ion Ratio Lower Upper
 138 100
 92 0.0 38.2 57.4#
 108 3.2 70.0 105.0#



#70
 Phenanthrene
 Concen: 13.86 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. 0.09 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Tgt Ion:178 Resp: 130265
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 18.7 15.4 23.0





#72

Anthracene

Concen: 13.58 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.00 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

Instrument :

BNA_G

ClientSampleId :

D9N53

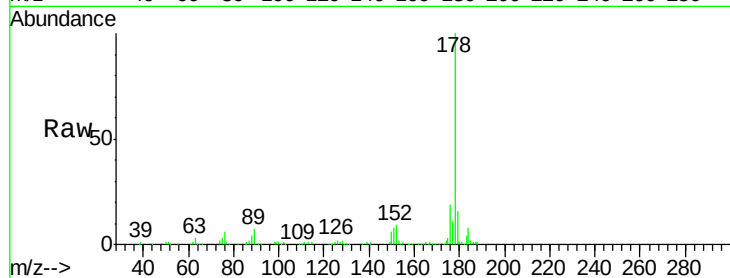
Tgt Ion:178 Resp: 130543

Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

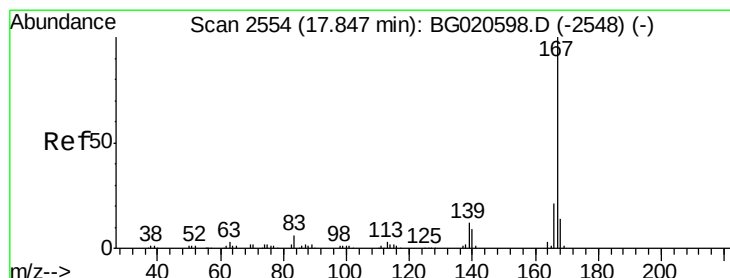
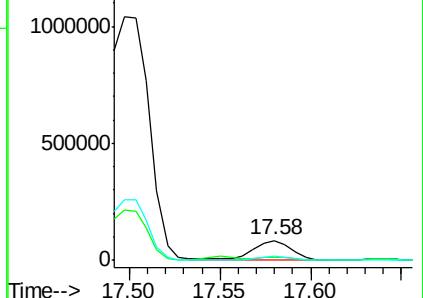
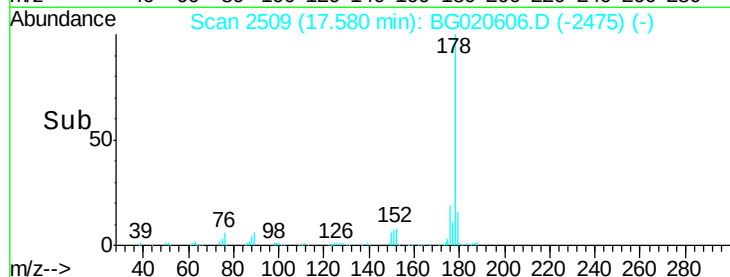
176 18.7 15.4 23.0



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: 123.75 ng/ul

RT: 17.86 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BG020606.D

Acq: 30 Dec 2015 13:18

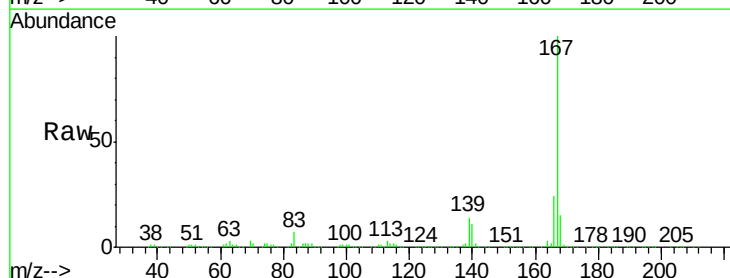
Tgt Ion:167 Resp: 1004134

Ion Ratio Lower Upper

167 100

166 24.0 17.0 25.4

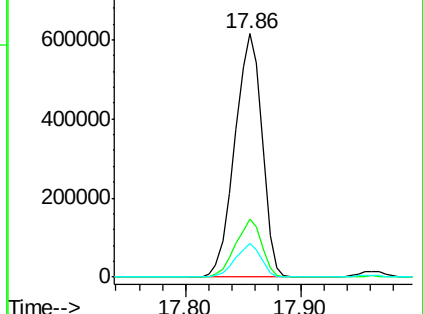
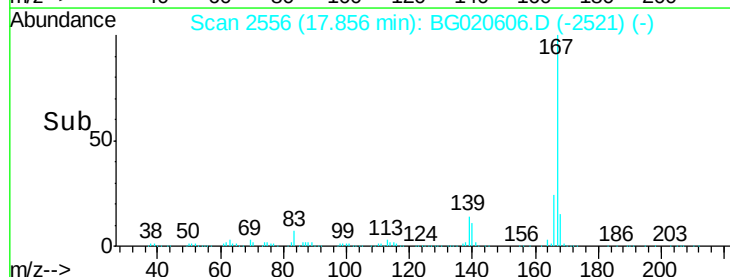
139 13.9 9.1 13.7#

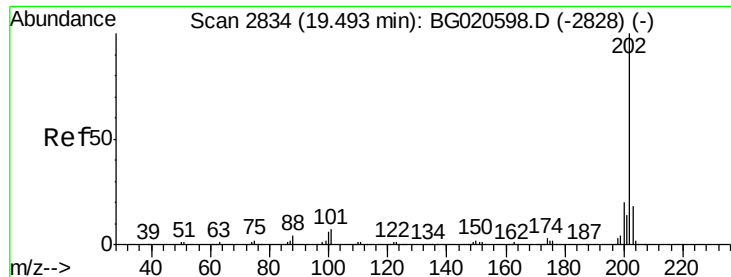


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

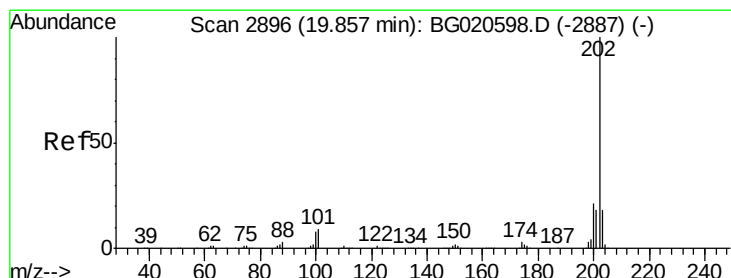
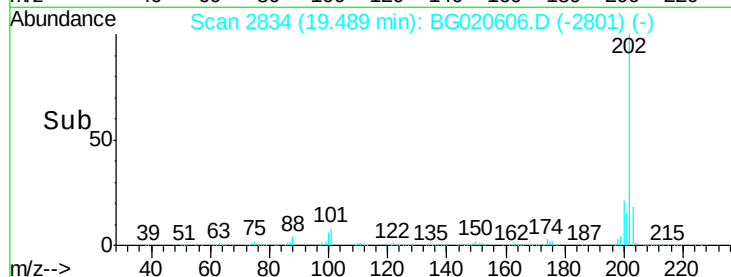
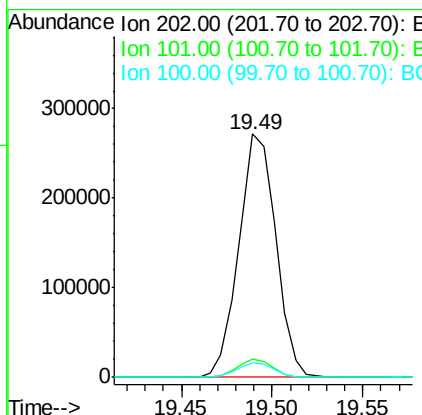
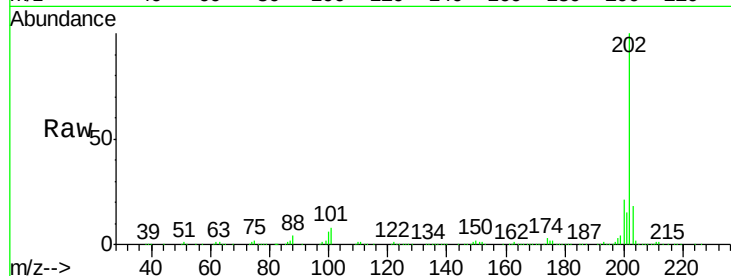




#77
 Fluoranthene
 Concen: 33.67 ng/ul
 RT: 19.49 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.1	9.1
100	6.1	4.6	7.0



#80
 Pyrene
 Concen: 17.90 ng/ul
 RT: 19.85 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: BG020606.D
 Acq: 30 Dec 2015 13:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
100	7.3	5.6	8.4

