

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020516.D
 Acq On : 25 Dec 2015 23:04
 Operator : UM/SJ
 Sample : G4847-06
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N70

Quant Time: Dec 26 02:24:20 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 02:12:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	18797	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	90450	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.71	164	58153	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	138395	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	175673	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	168668	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	260	0.76	ng/uL	0.00
5) Phenol-d5	7.24	99	11521	7.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	31652	35.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	33056	28.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	22562	17.78	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22950	32.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	26593	32.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	45407	29.11	ng/ul	0.02
29) 4-Chloroaniline-d4	11.09	131	7746	4.35	ng/ul	0.06
44) Dimethylphthalate-d6	14.12	166	161466	33.69	ng/ul	0.01
47) Acenaphthylene-d8	14.41	160	188454	33.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5127	6.42	ng/ul	0.00
58) Fluorene-d10	15.70	176	146509	33.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	26328	28.70	ng/ul	0.01
71) Anthracene-d10	17.56	188	229147	35.35	ng/ul	0.01
79) Pyrene-d10	19.84	212	270850	35.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	316007	37.06	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.21	77	1215	1.33	ng/ul#	1
11) 2-Methylphenol	8.52	108	1402	1.15	ng/ul	96
14) Acetophenone	8.91	105	5255	2.58	ng/ul	94
16) 4-Methylphenol	8.85	108	1478	1.12	ng/ul#	73
17) Hexachloroethane	9.19	117	2882	5.65	ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	12772	7.06	ng/ul	95
28) Naphthalene	11.03	128	8967435	1865.02	ng/ul#	45
30) 4-Chloroaniline	11.03	127	2456492	1367.08	ng/ul#	13
34) 2-Methylnaphthalene	12.57	142	1574856	442.66	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	903530	267.35	ng/ul#	97
41) 1,1'-Biphenyl	13.55	154	440317	98.11	ng/ul	97
46) 2,6-Dinitrotoluene	14.11	165	2342	2.36	ng/ul#	61
48) Acenaphthylene	14.44	152	169333	29.01	ng/ul#	97
50) Acenaphthene	14.80	153	1794317	454.68	ng/ul	92
53) 4-Nitrophenol	14.86	109	812	1.12	ng/ul#	41
54) Dibenzofuran	15.12	168	1483819	252.73	ng/ul	92
59) Fluorene	15.77	166	1130356	237.58	ng/ul	99
61) 4-Nitroaniline	15.77	138	15483	15.06	ng/ul#	14
65) N-Nitrosodiphenylamine	15.97	169	5261	1.36	ng/ul#	1
70) Phenanthrene	17.59	178	118416	15.38	ng/ul	97
72) Anthracene	17.59	178	122448	15.55	ng/ul	98
75) Carbazole	17.88	167	2141811	322.77	ng/ul#	87
77) Fluoranthene	19.51	202	310327	32.05	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

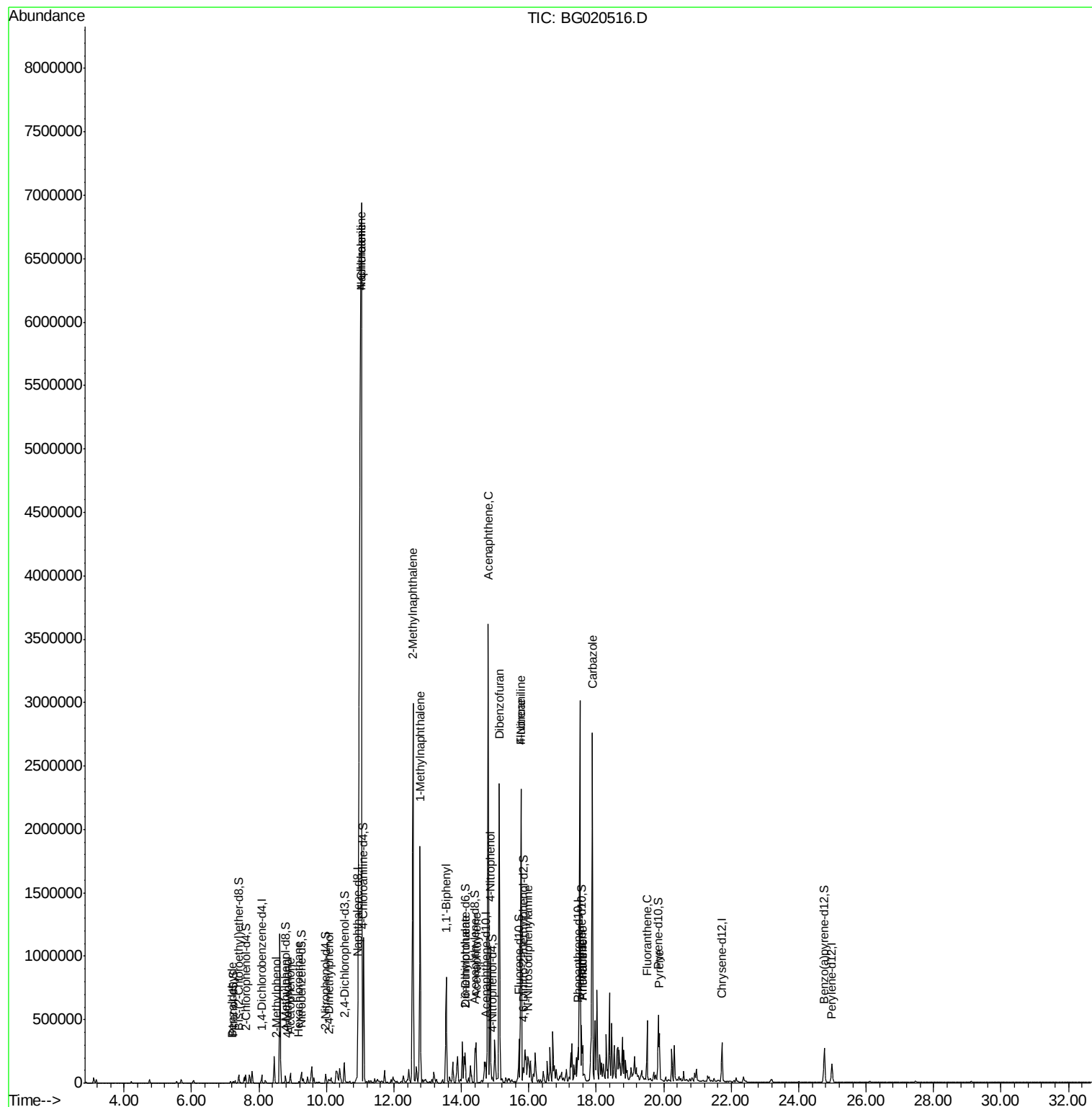
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.86	202	177601	17.88	ng/ul	100

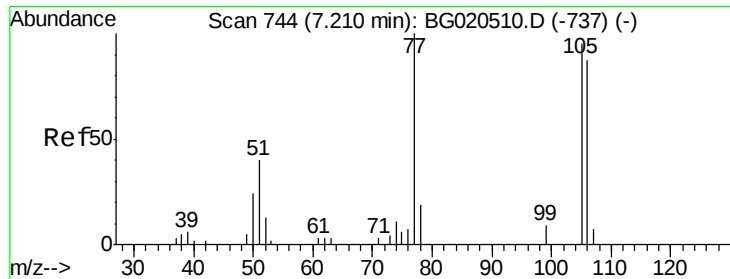
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.33 ng/ul

RT: 7.21 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

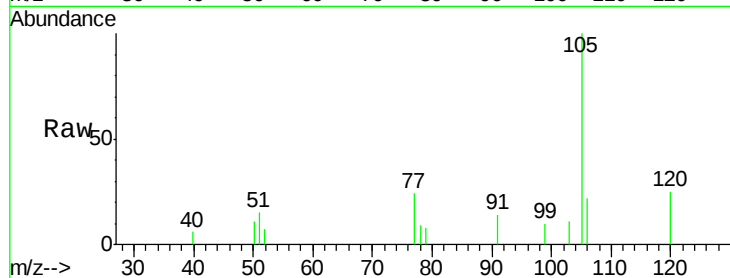
Tgt Ion: 77 Resp: 1215

Ion Ratio Lower Upper

77 100

105 409.0 77.8 116.6#

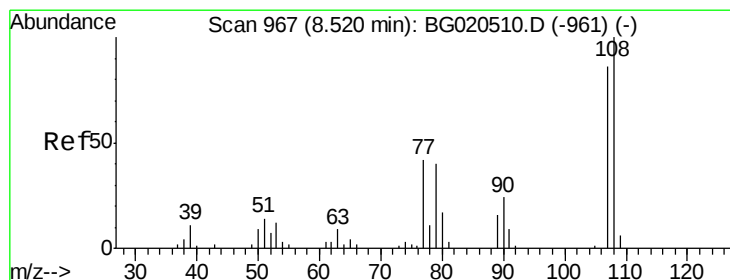
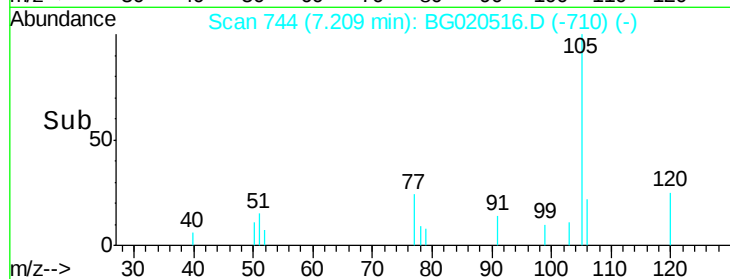
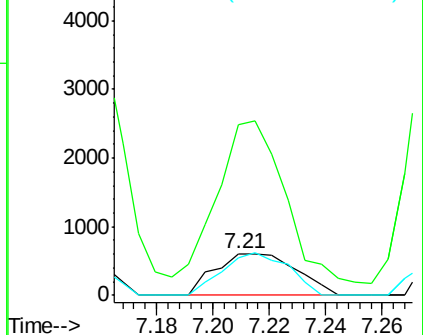
106 89.8 72.6 109.0



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



#11

2-Methylphenol

Concen: 1.15 ng/ul

RT: 8.52 min Scan# 967

Delta R.T. -0.00 min

Lab File: BG020516.D

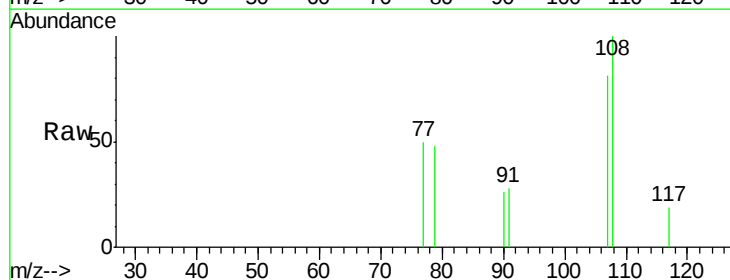
Acq: 25 Dec 2015 23:04

Tgt Ion: 108 Resp: 1402

Ion Ratio Lower Upper

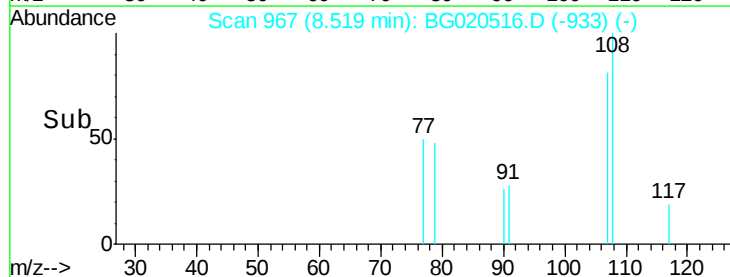
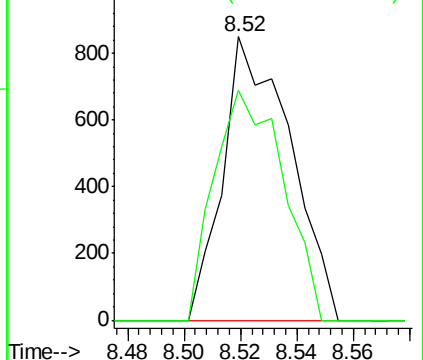
108 100

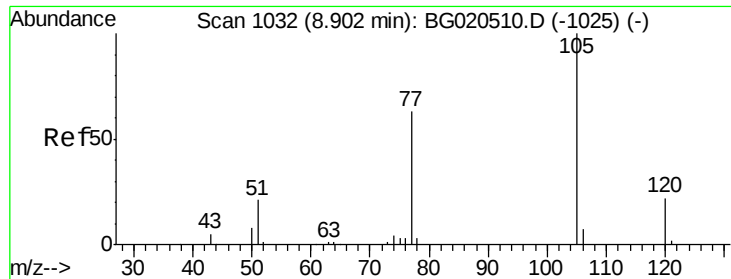
107 81.2 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): BGC

Ion 107.00 (106.70 to 107.70): BGC





#14

Acetophenone

Concen: 2.58 ng/ul

RT: 8.91 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

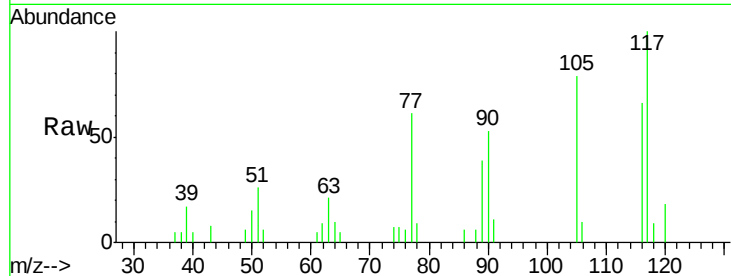
Tgt Ion:105 Resp: 5255

Ion Ratio Lower Upper

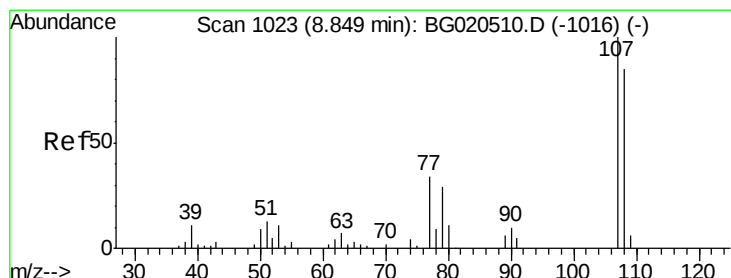
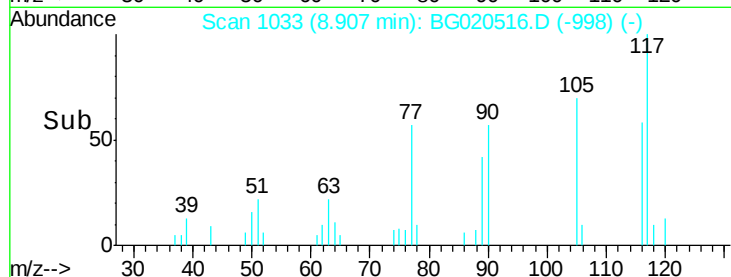
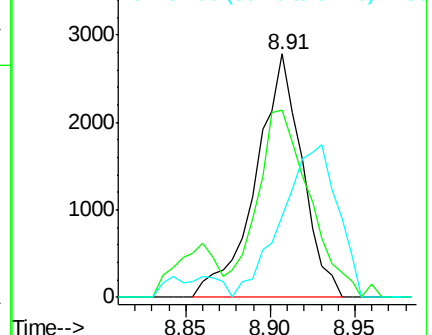
105 100

77 77.2 65.2 97.8

51 33.4 22.6 33.8



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



#16

4-Methylphenol

Concen: 1.12 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BG020516.D

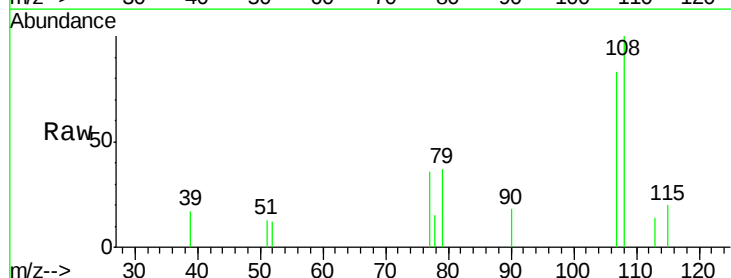
Acq: 25 Dec 2015 23:04

Tgt Ion:108 Resp: 1478

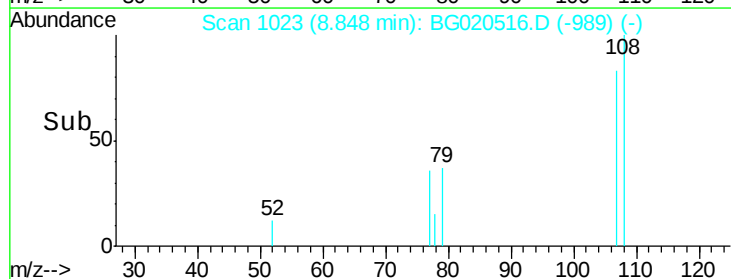
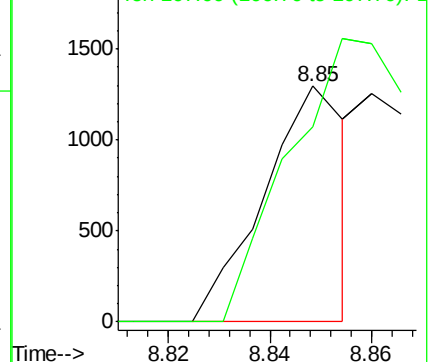
Ion Ratio Lower Upper

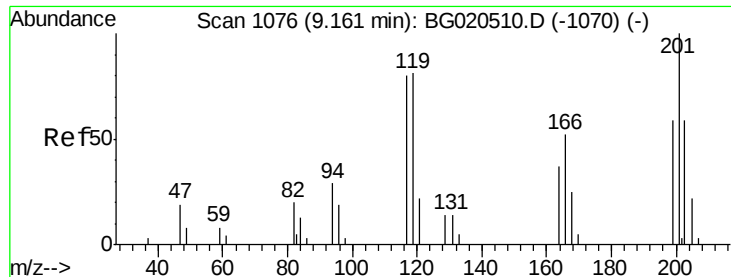
108 100

107 82.6 88.9 133.3#



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

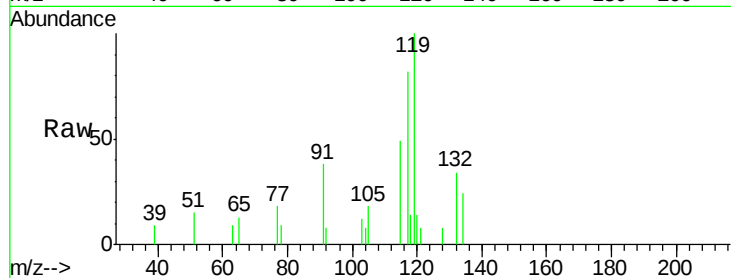




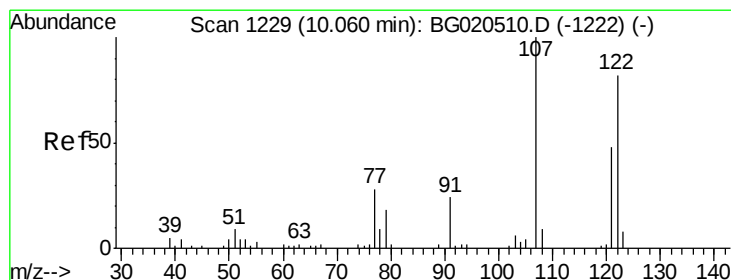
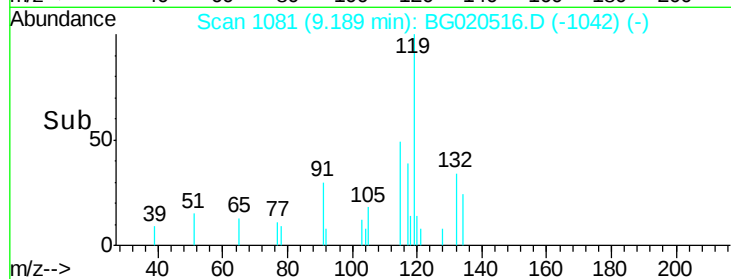
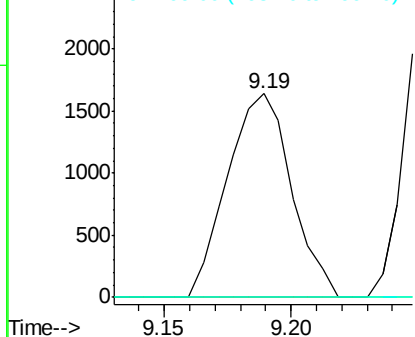
#17
Hexachloroethane
Concen: 5.65 ng/ul
RT: 9.19 min Scan# 1081
Delta R.T. 0.03 min
Lab File: BG020516.D
Acq: 25 Dec 2015 23:04

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:117 Resp: 2882
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

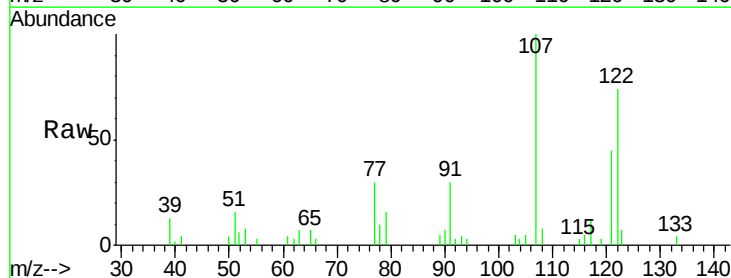


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

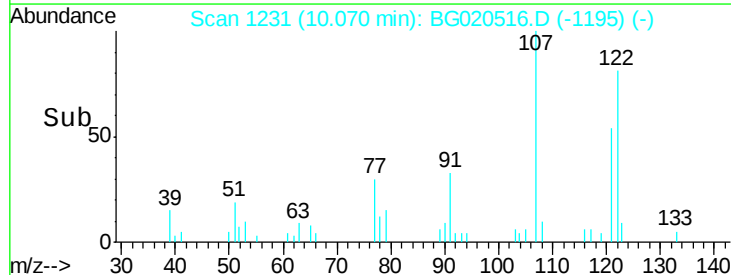
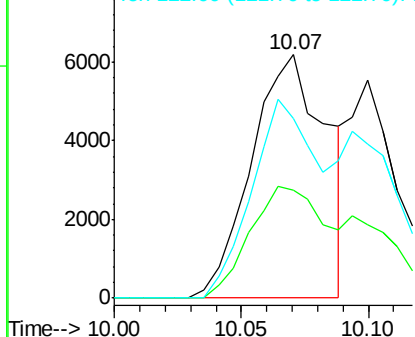


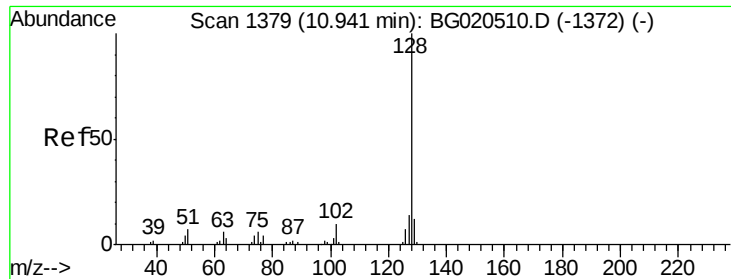
#24
2,4-Dimethylphenol
Concen: 7.06 ng/ul
RT: 10.07 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BG020516.D
Acq: 25 Dec 2015 23:04

Tgt Ion:107 Resp: 12772
Ion Ratio Lower Upper
107 100
121 44.5 39.0 58.4
122 73.7 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: 1865.02 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. 0.09 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

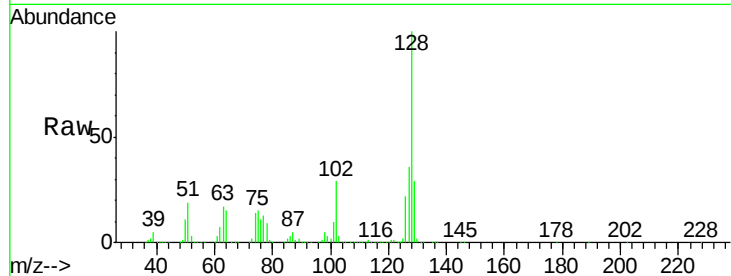
Tgt Ion:128 Resp: 8967435

Ion Ratio Lower Upper

128 100

129 29.4 8.6 12.8#

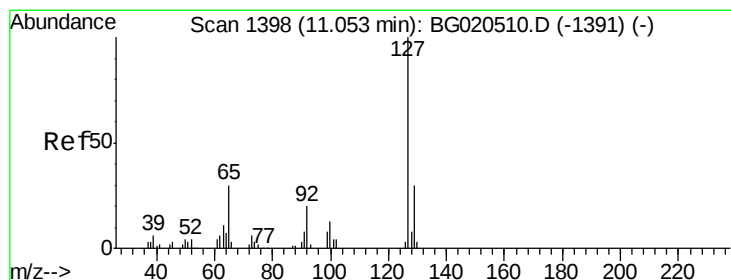
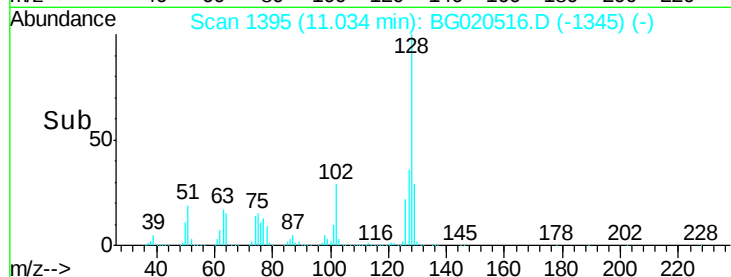
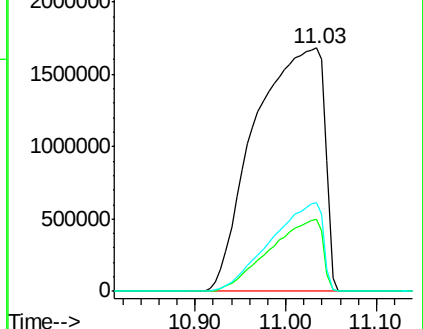
127 36.4 10.1 15.1#



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



#30

4-Chloroaniline

Concen: 1367.08 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BG020516.D

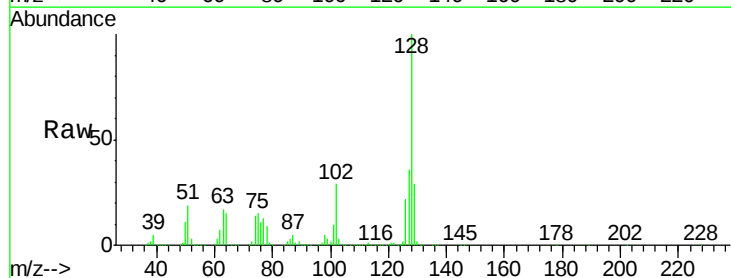
Acq: 25 Dec 2015 23:04

Tgt Ion:127 Resp: 2456492

Ion Ratio Lower Upper

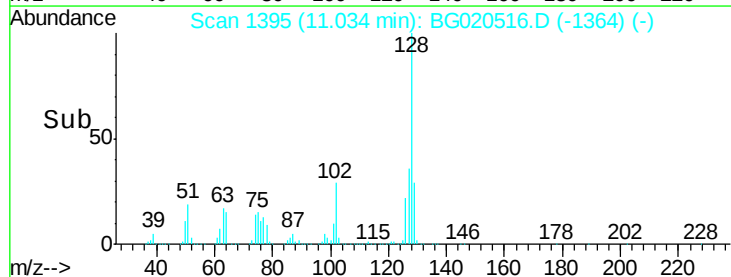
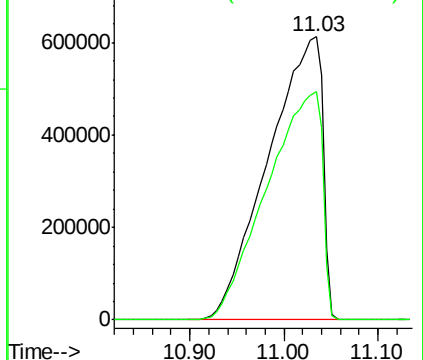
127 100

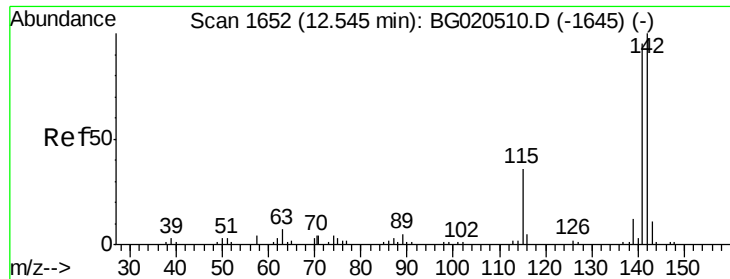
129 80.7 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

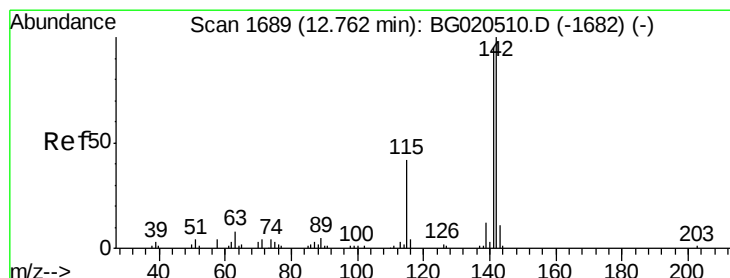
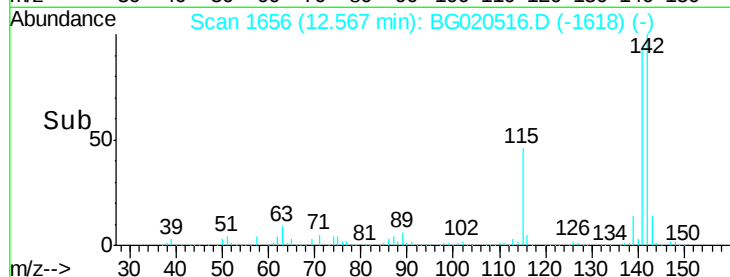
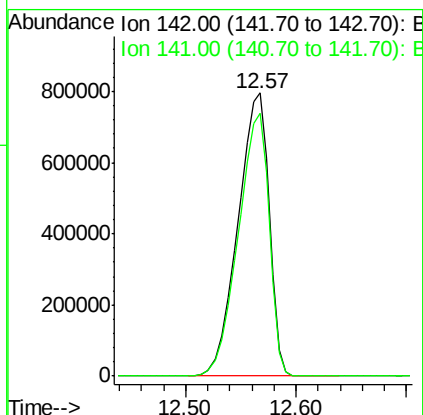
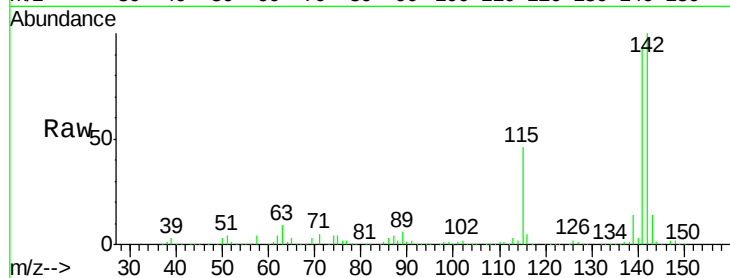




#34
 2-Methylnaphthalene
 Concen: 442.66 ng/ul
 RT: 12.57 min Scan# 1656
 Delta R.T. 0.02 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

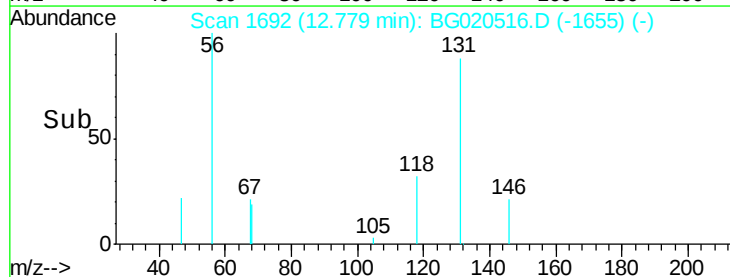
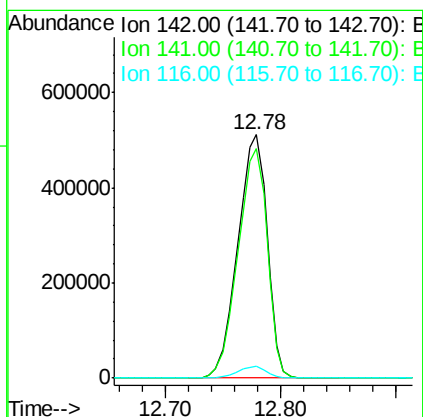
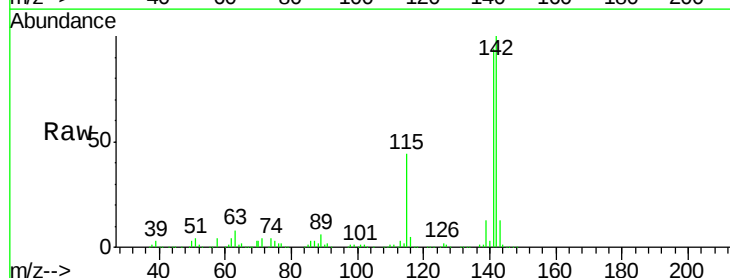
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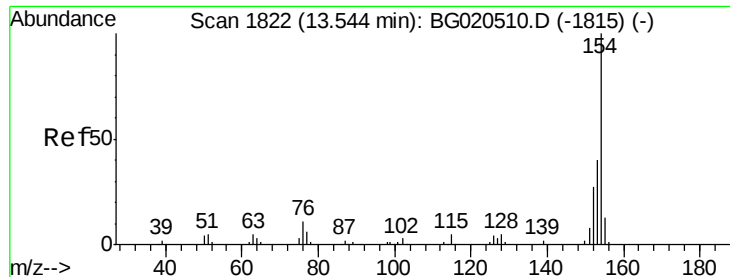
Tgt Ion:142 Resp: 1574856
 Ion Ratio Lower Upper
 142 100
 141 93.0 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 267.35 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.02 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Tgt Ion:142 Resp: 903530
 Ion Ratio Lower Upper
 142 100
 141 94.1 73.0 109.6
 116 4.7 3.0 4.6#

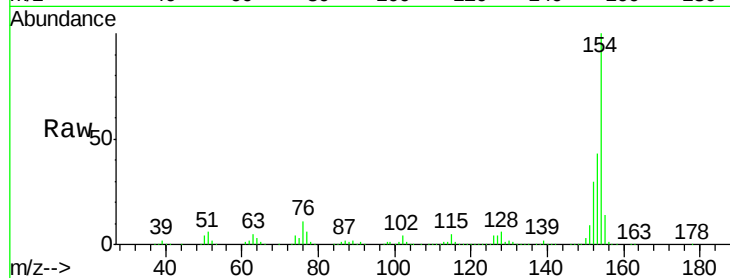




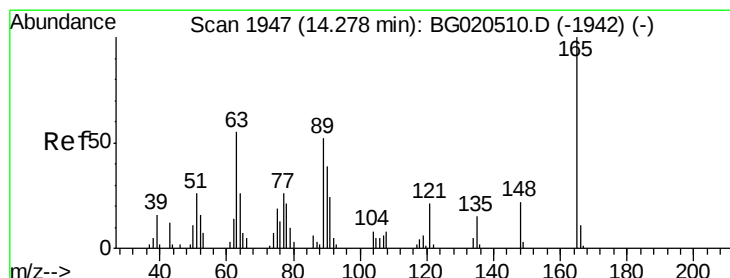
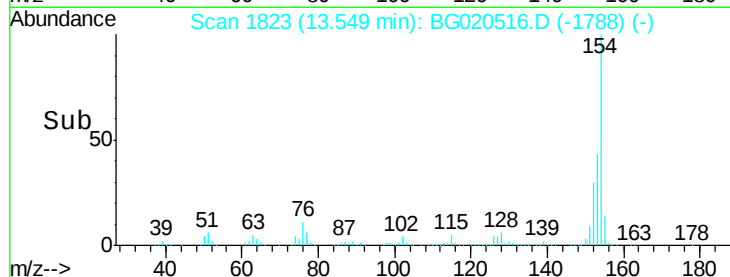
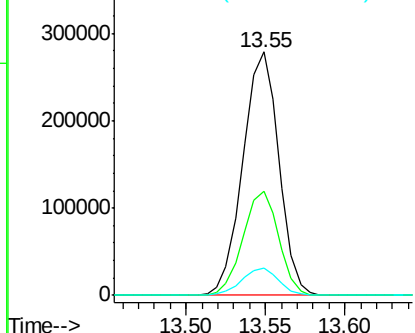
#41
 1,1'-Biphenyl
 Concen: 98.11 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N70

Tgt Ion:154 Resp: 440317
 Ion Ratio Lower Upper
 154 100
 153 42.5 35.5 53.3
 76 11.0 10.4 15.6

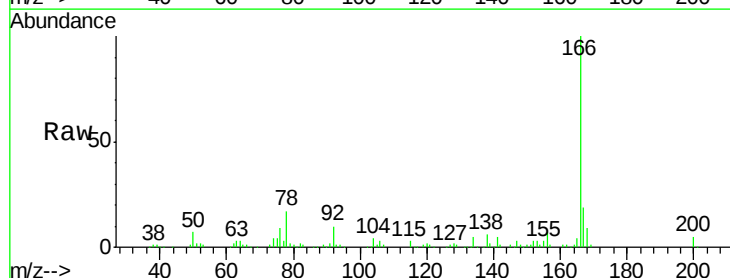


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

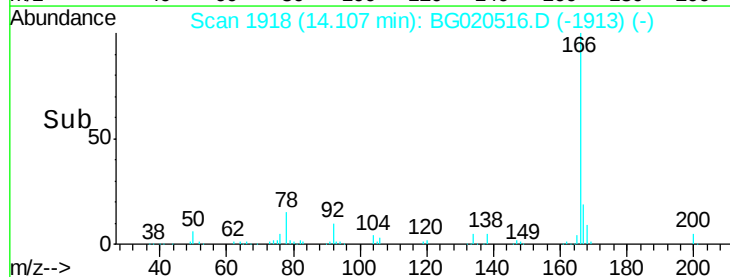
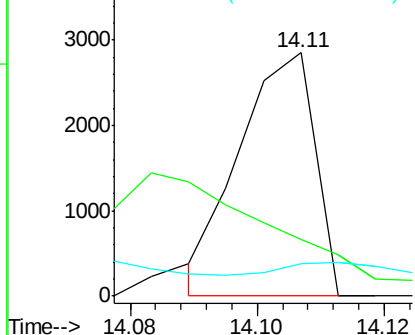


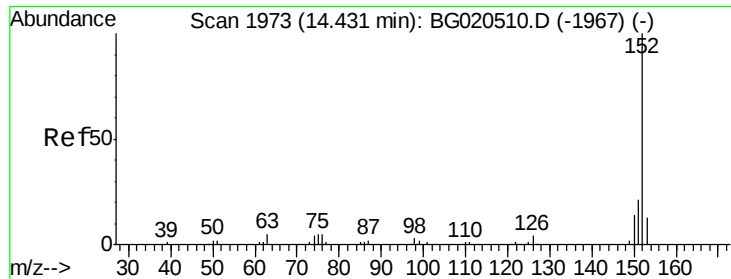
#46
 2,6-Dinitrotoluene
 Concen: 2.36 ng/ul
 RT: 14.11 min Scan# 1918
 Delta R.T. -0.17 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Tgt Ion:165 Resp: 2342
 Ion Ratio Lower Upper
 165 100
 89 23.4 47.0 70.4#
 121 13.1 17.0 25.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 29.01 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

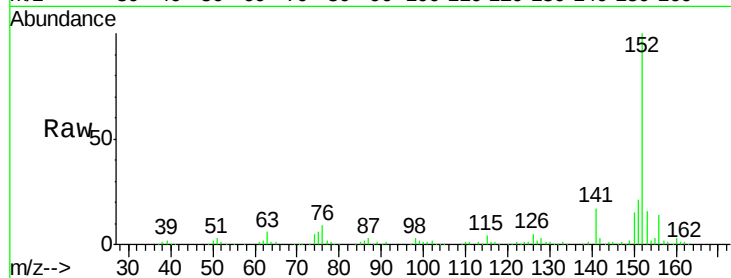
Tgt Ion:152 Resp: 169333

Ion Ratio Lower Upper

152 100

151 20.9 16.4 24.6

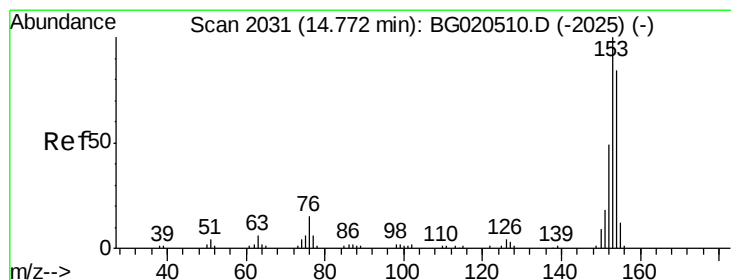
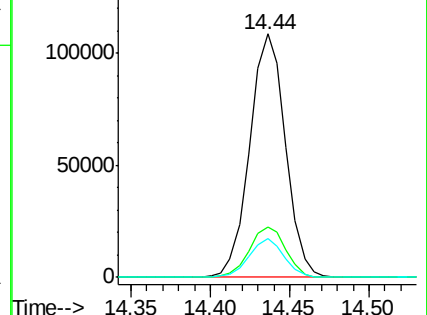
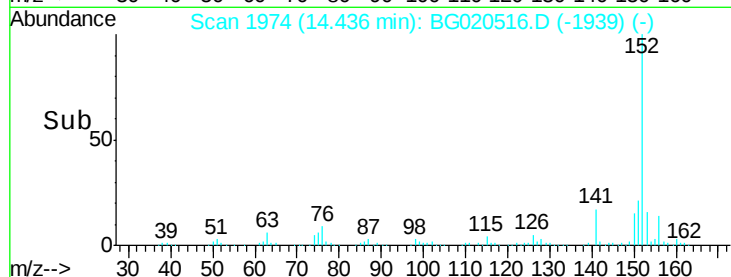
153 16.0 10.4 15.6#



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: 454.68 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.03 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

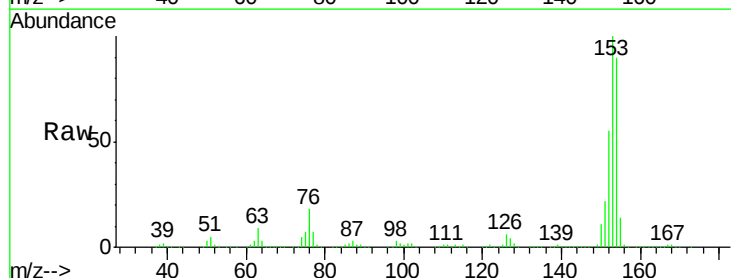
Tgt Ion:153 Resp: 1794317

Ion Ratio Lower Upper

153 100

152 54.5 37.6 56.4

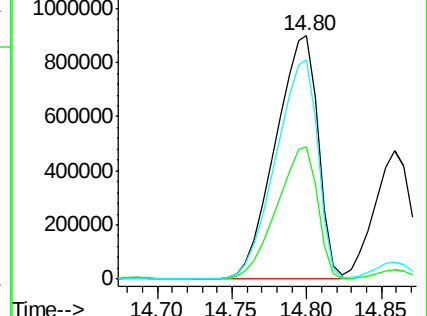
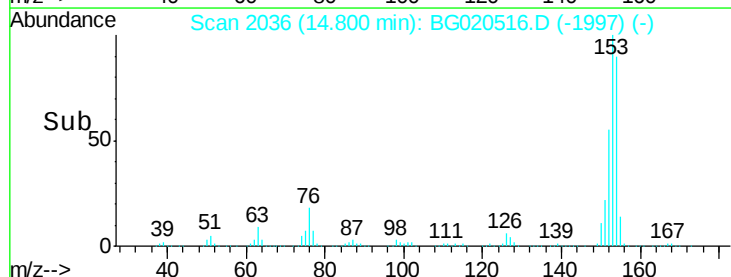
154 90.1 67.9 101.9

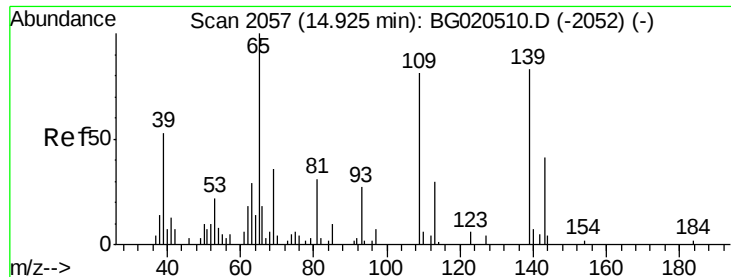


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

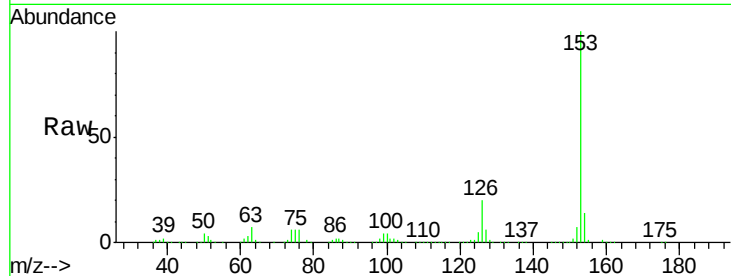




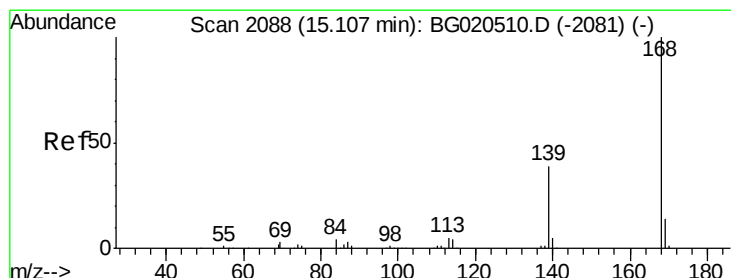
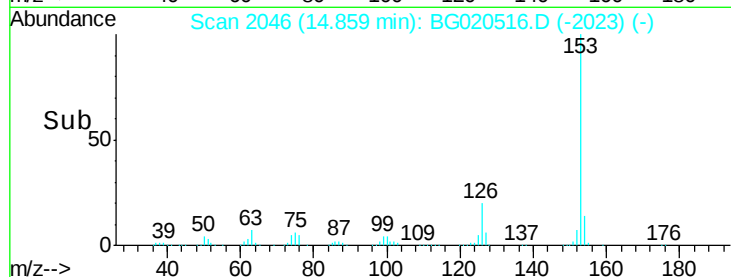
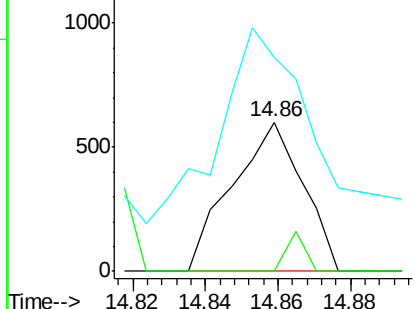
#53
4-Nitrophenol
Concen: 1.12 ng/ul
RT: 14.86 min Scan# 2046
Delta R.T. -0.07 min
Lab File: BG020516.D
Acq: 25 Dec 2015 23:04

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:109 Resp: 812
Ion Ratio Lower Upper
109 100
139 0.0 80.5 120.7#
65 143.3 93.4 140.2#

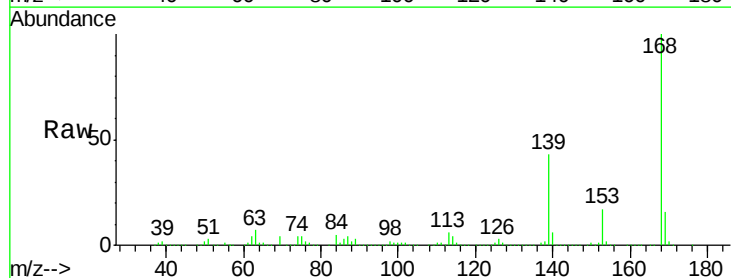


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC

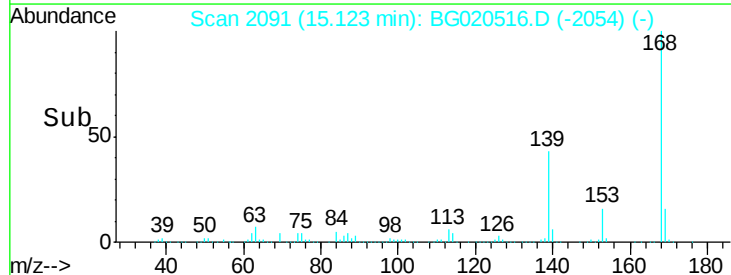
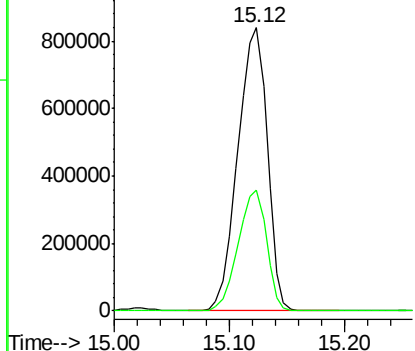


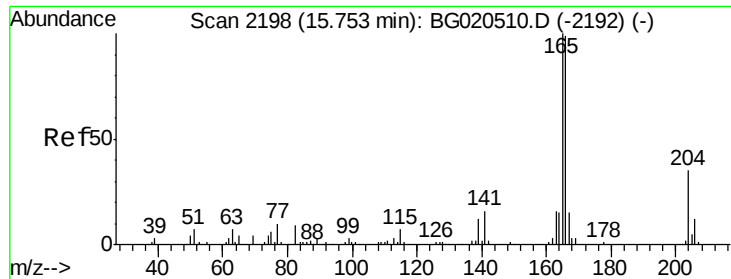
#54
Dibenzofuran
Concen: 252.73 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BG020516.D
Acq: 25 Dec 2015 23:04

Tgt Ion:168 Resp: 1483819
Ion Ratio Lower Upper
168 100
139 42.8 30.5 45.7



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

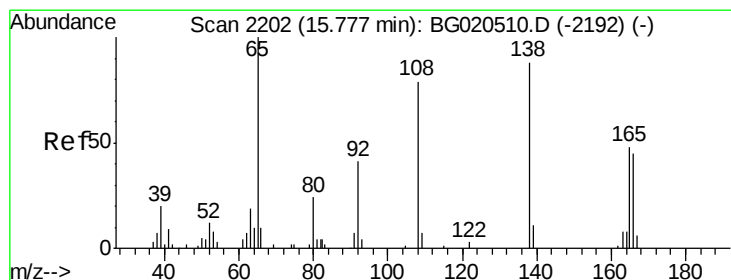
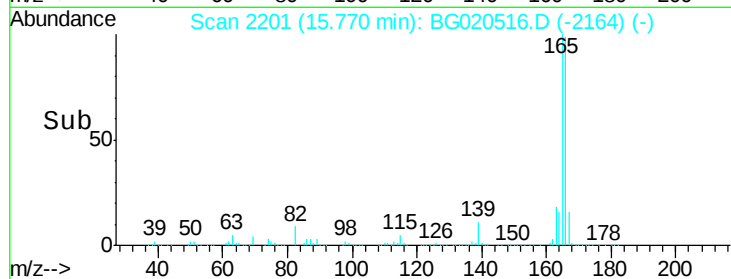
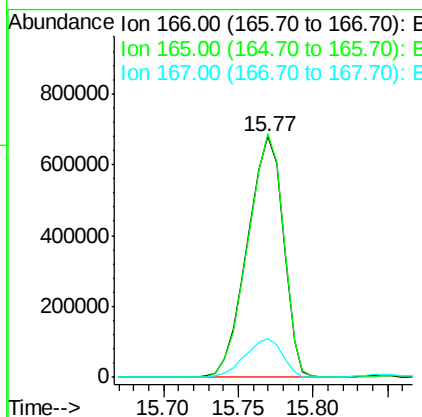
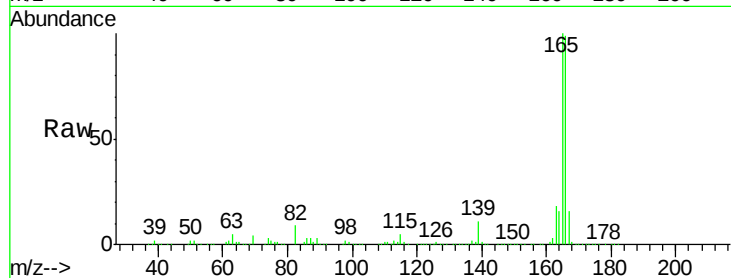




#59
 Fluorene
 Concen: 237.58 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. 0.02 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

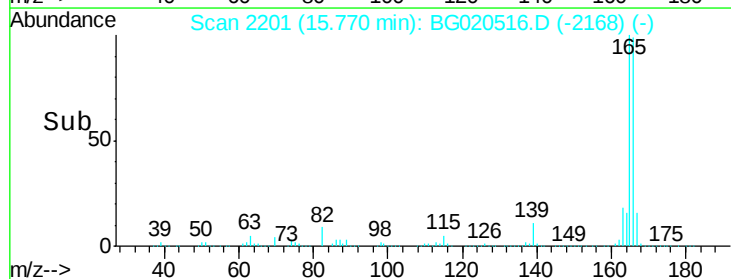
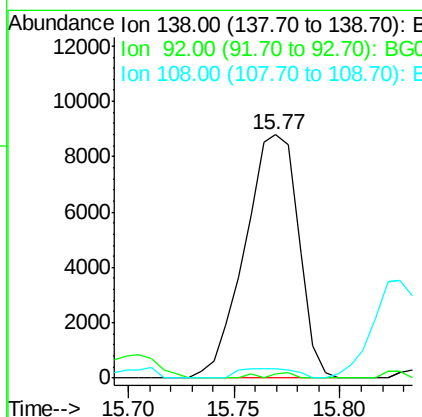
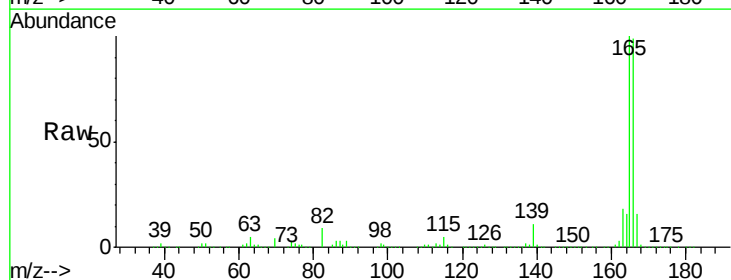
Instrument :
 BNA_G
 ClientSampleId :
 D9N70

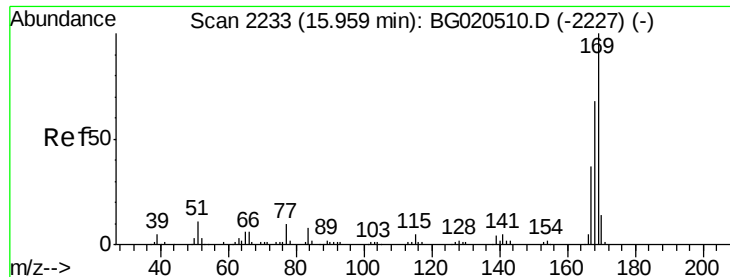
Tgt Ion:166 Resp: 1130356
 Ion Ratio Lower Upper
 166 100
 165 101.2 81.4 122.0
 167 16.3 11.2 16.8



#61
 4-Nitroaniline
 Concen: 15.06 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Tgt Ion:138 Resp: 15483
 Ion Ratio Lower Upper
 138 100
 92 1.8 45.2 67.8#
 108 4.0 75.4 113.0#





#65

N-Nitrosodiphenylamine

Concen: 1.36 ng/ul

RT: 15.97 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

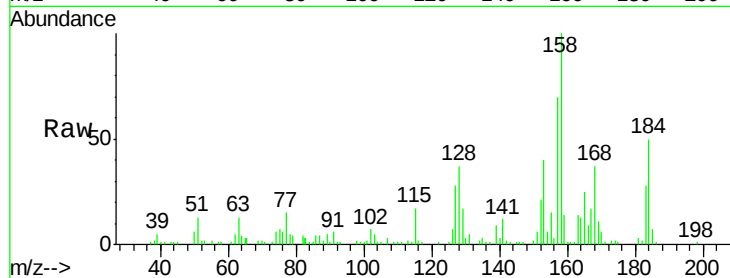
Tgt Ion:169 Resp: 5261

Ion Ratio Lower Upper

169 100

168 325.7 54.3 81.5#

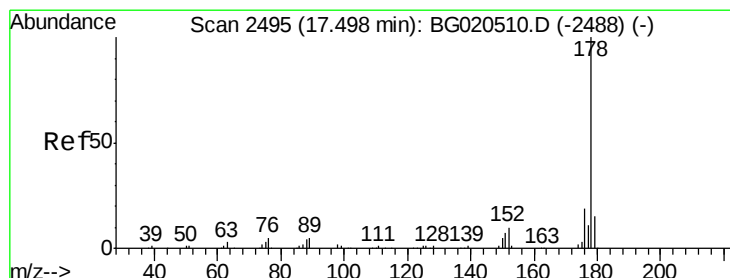
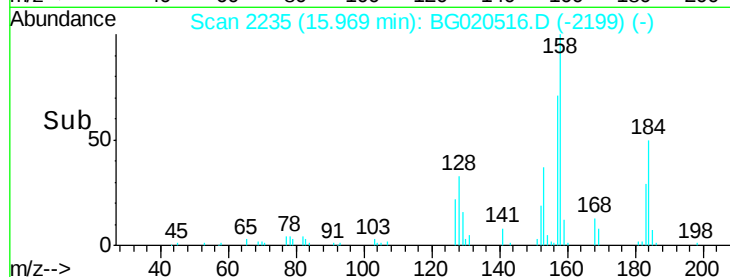
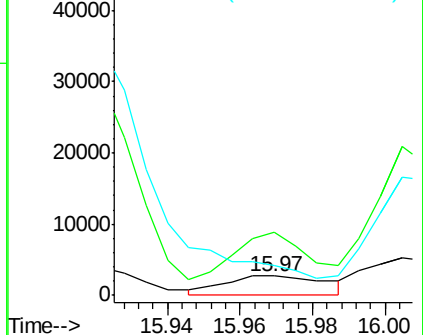
167 155.7 31.8 47.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 15.38 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.09 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

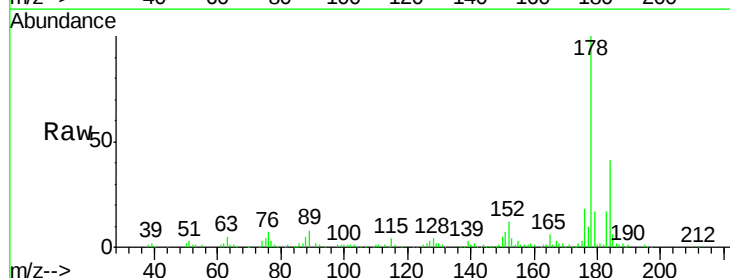
Tgt Ion:178 Resp: 118416

Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

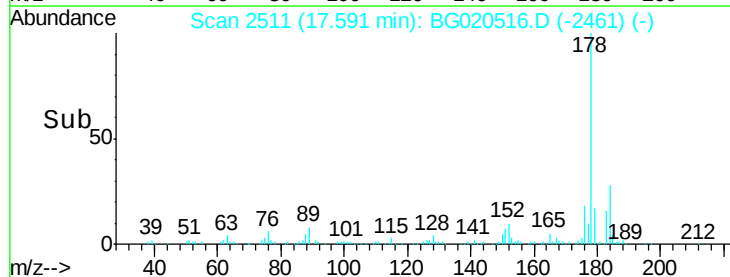
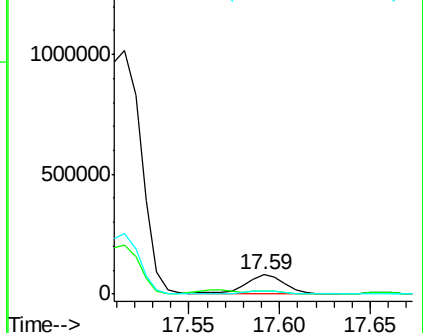
176 17.9 15.3 22.9

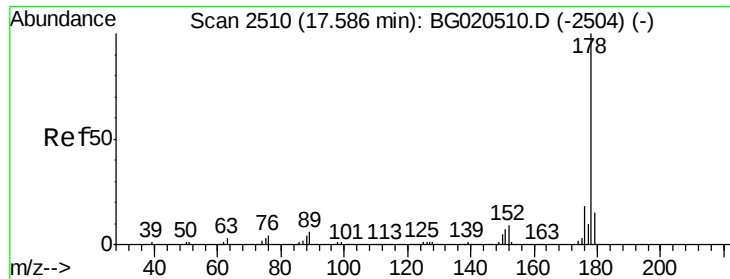


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

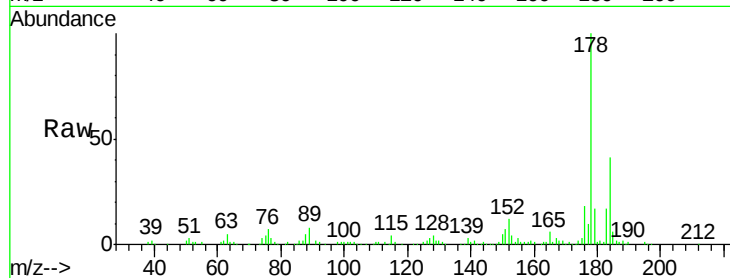




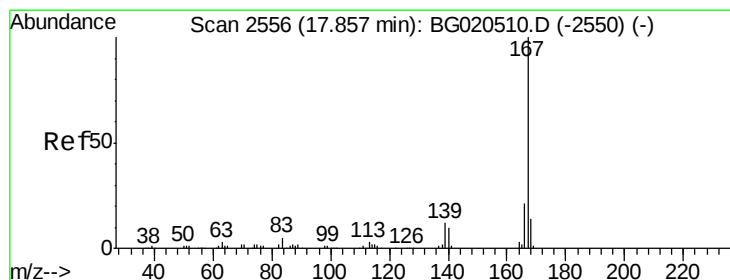
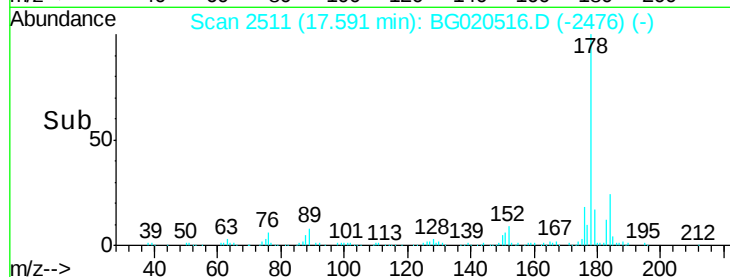
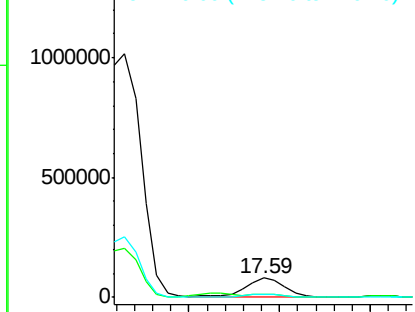
#72
 Anthracene
 Concen: 15.55 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N70

Tgt Ion:178 Resp: 122448
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.3 18.5
 176 17.9 14.3 21.5

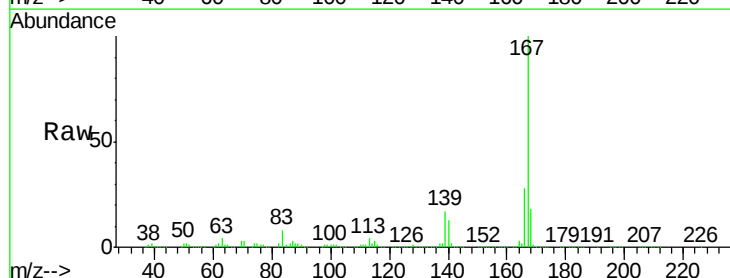


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

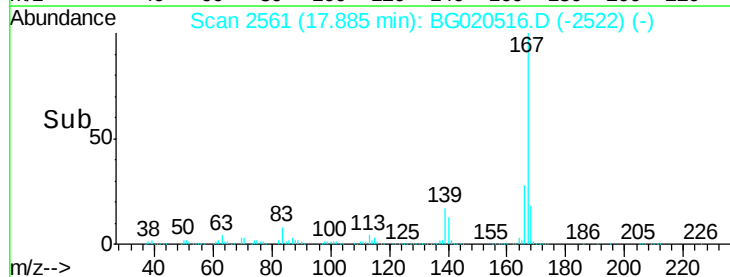
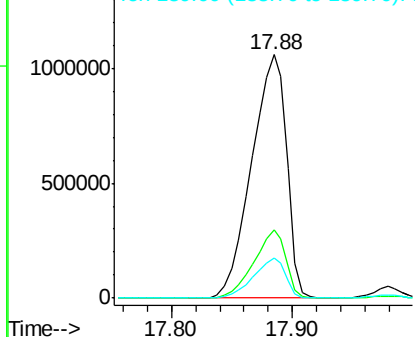


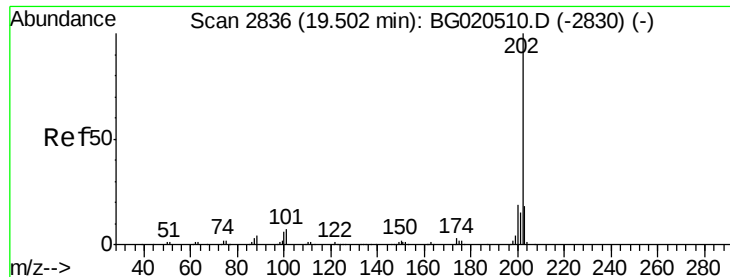
#75
 Carbazole
 Concen: 322.77 ng/ul
 RT: 17.88 min Scan# 2561
 Delta R.T. 0.03 min
 Lab File: BG020516.D
 Acq: 25 Dec 2015 23:04

Tgt Ion:167 Resp: 2141811
 Ion Ratio Lower Upper
 167 100
 166 27.9 17.0 25.6#
 139 16.7 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: 32.05 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

Instrument :

BNA_G

ClientSampleId :

D9N70

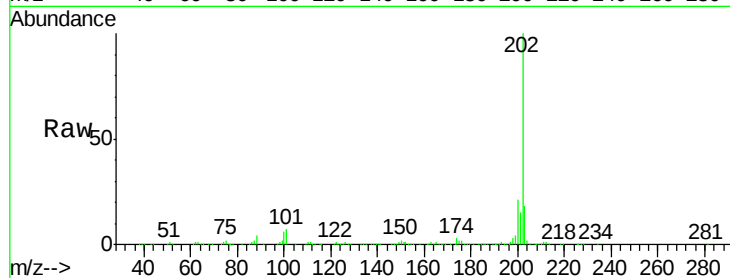
Tgt Ion:202 Resp: 310327

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

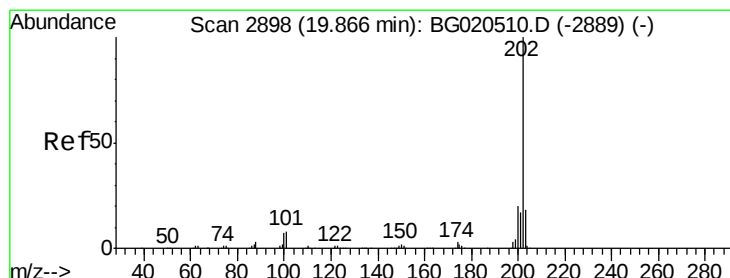
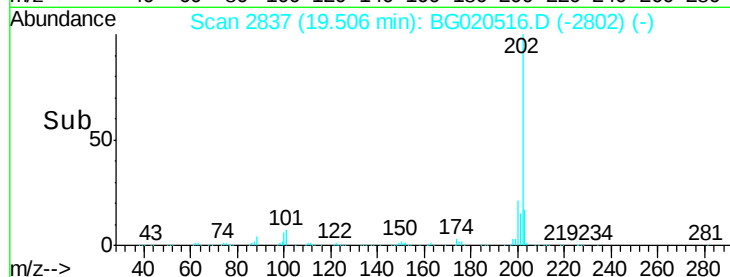
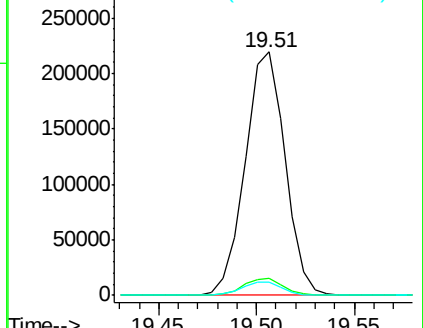
100 5.6 5.1 7.7



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: 17.88 ng/ul

RT: 19.86 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BG020516.D

Acq: 25 Dec 2015 23:04

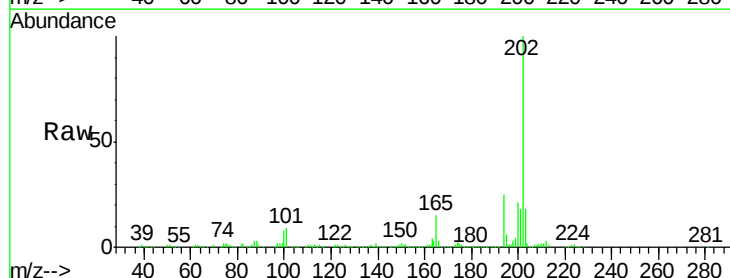
Tgt Ion:202 Resp: 177601

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

100 7.8 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

