

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\
 Data File : BG018860.D
 Acq On : 23 Sep 2015 20:53
 Operator : UM/NP
 Sample : G3759-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHAD5

Quant Time: Sep 24 04:13:55 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 24 04:11:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	76770	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	305192	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	184127	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.37	188	424327	20.00	ng/ul	0.00
78) Chrysene-d12	21.62	240	548426	20.00	ng/ul	0.00
86) Perylene-d12	24.81	264	564047	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	6488	4.06	ng/uL	0.00
5) Phenol-d5	7.16	99	140705	22.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.32	67	97358	26.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.53	132	115722	24.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.70	113	111822	21.86	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	57663	24.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.88	143	67562	29.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	120556	24.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	331669	58.23	ng/ul	-0.01
44) Dimethylphthalate-d6	14.03	166	320123	21.60	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	387370	22.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	71952	25.30	ng/ul	0.00
58) Fluorene-d10	15.62	176	261533	20.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	33572	16.71	ng/ul	0.00
71) Anthracene-d10	17.47	188	394632	21.12	ng/ul	0.00
79) Pyrene-d10	19.75	212	461940	18.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.59	264	498829	18.17	ng/ul	-0.01

Target Compounds

						Ovalue
4) Benzaldehyde	7.15	77	10577	2.90	ng/ul#	23
14) Acetophenone	8.95	105	15057	1.93	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.84	70	5096	1.27	ng/ul#	73
17) Hexachloroethane	9.11	117	45744	23.22	ng/ul#	10
20) Nitrobenzene	9.21	77	12398	2.31	ng/ul#	62
21) Isophorone	9.73	82	205095	18.77	ng/ul#	1
23) 2-Nitrophenol	9.93	139	10695	4.08	ng/ul#	1
24) 2,4-Dimethylphenol	10.02	107	32573	6.00	ng/ul#	67
27) 2,4-Dichlorophenol	10.46	162	5927	1.21	ng/ul#	23
28) Naphthalene	10.86	128	34661	2.23	ng/ul#	38
30) 4-Chloroaniline	10.97	127	7333	1.24	ng/ul#	75
32) Caprolactam	11.73	113	4803	2.39	ng/ul#	1
34) 2-Methylnaphthalene	12.46	142	270318	23.56	ng/ul	96
35) 1-Methylnaphthalene	12.69	142	238808	21.72	ng/ul#	99
41) 1,1'-Biphenyl	13.47	154	54520	3.91	ng/ul	99
43) 2-Nitroaniline	13.69	65	3751	1.19	ng/ul#	72
45) Dimethylphthalate	14.08	163	140315	9.77	ng/ul#	84
48) Acenaphthylene	14.36	152	20107	1.08	ng/ul#	1
49) 3-Nitroaniline	14.54	138	5694	1.86	ng/ul#	34
50) Acenaphthene	14.71	153	31619	2.51	ng/ul#	51
54) Dibenzofuran	15.03	168	35279	2.00	ng/ul#	7
55) 2,4-Dinitrotoluene	14.98	165	5698	1.33	ng/ul#	52
59) Fluorene	15.68	166	105953	7.10	ng/ul#	86

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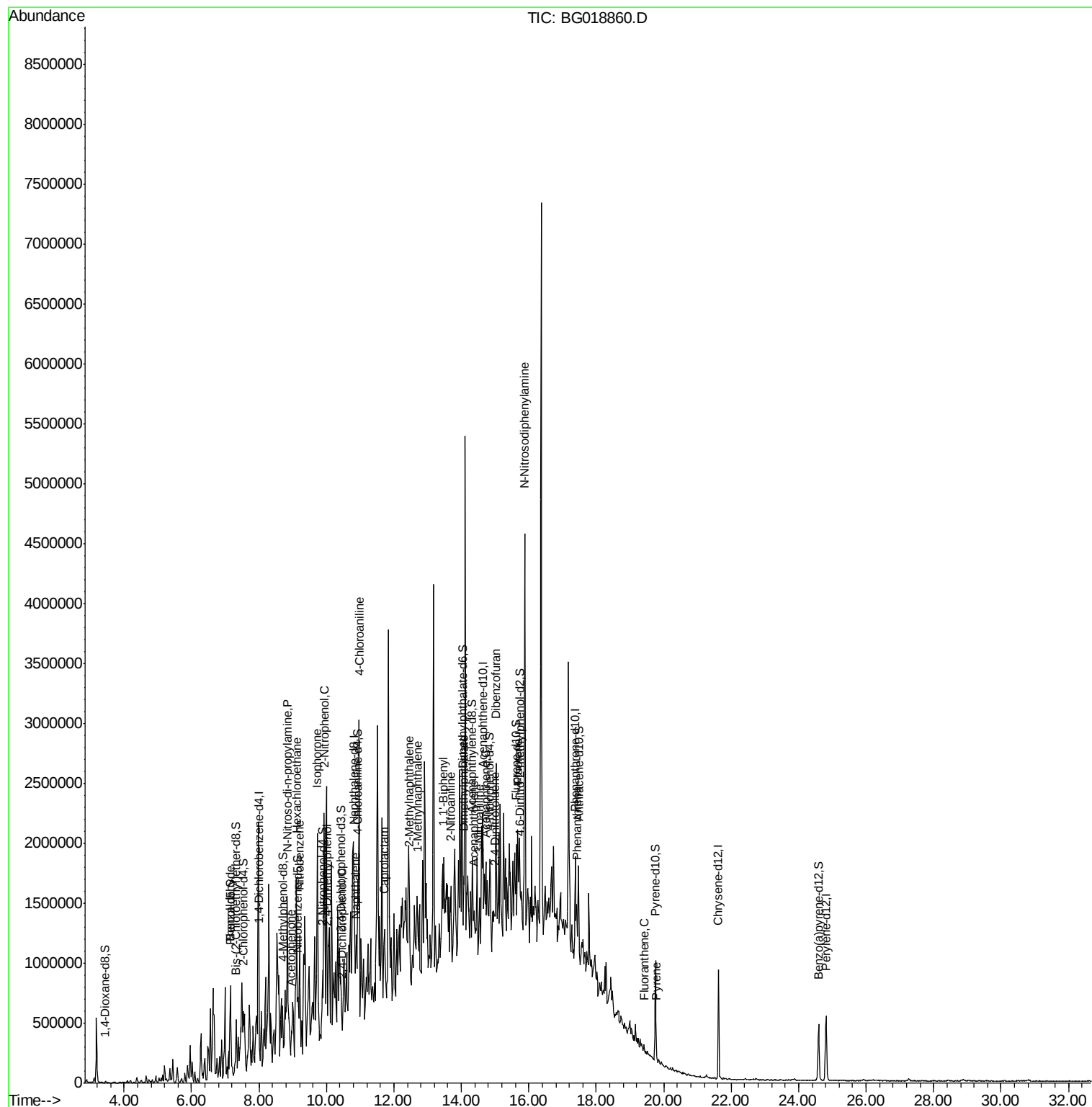
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	15.89	169	104448	9.40	ng/ul#	41
70) Phenanthrene	17.42	178	226405	10.50	ng/ul#	94
77) Fluoranthene	19.42	202	29854	1.25	ng/ul	99
80) Pyrene	19.78	202	38218	1.19	ng/ul	97

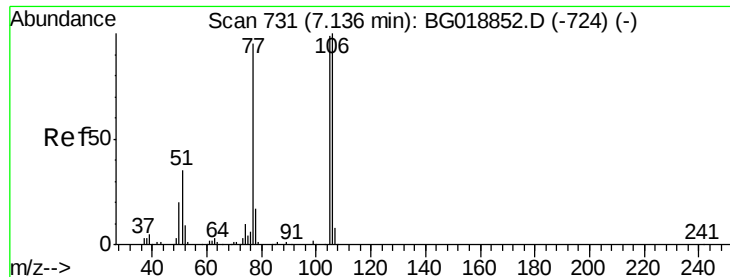
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.90 ng/ul

RT: 7.15 min Scan# 733

Delta R.T. 0.01 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampled :

JHAD5

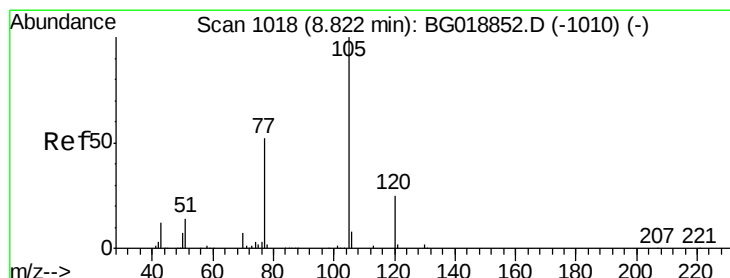
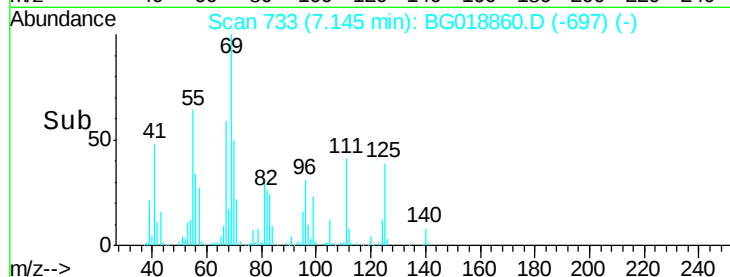
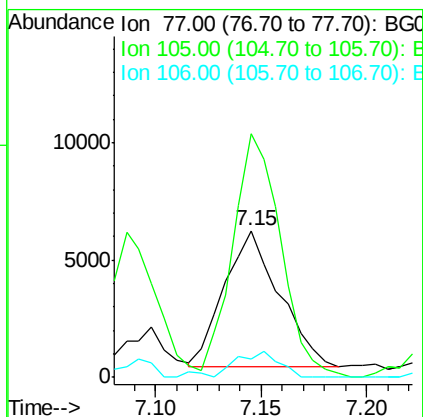
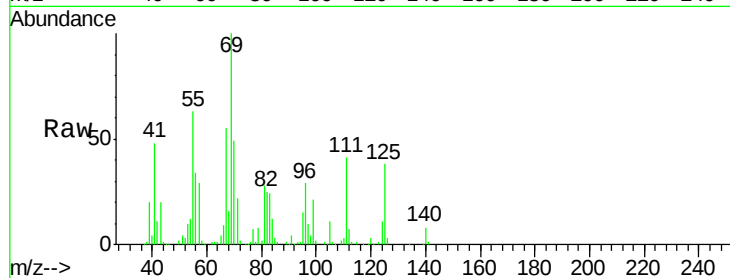
Tot Ion: 77 Resp: 10577

Ion Ratio Lower Upper

77 100

105 165.9 78.2 117.2#

106 12.7 76.8 115.2#



#14

Acetophenone

Concen: 1.93 ng/ul

RT: 8.95 min Scan# 1041

Delta R.T. 0.13 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

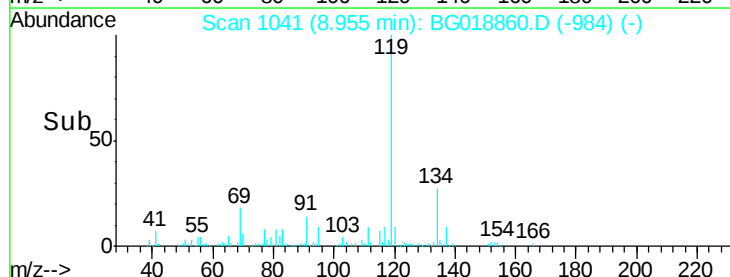
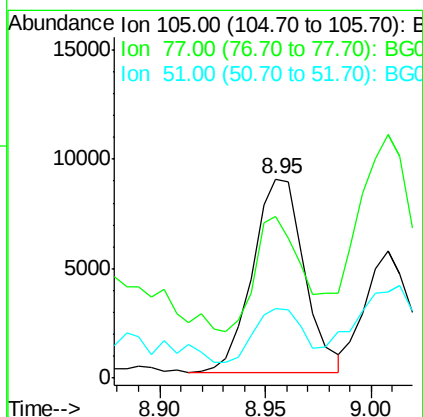
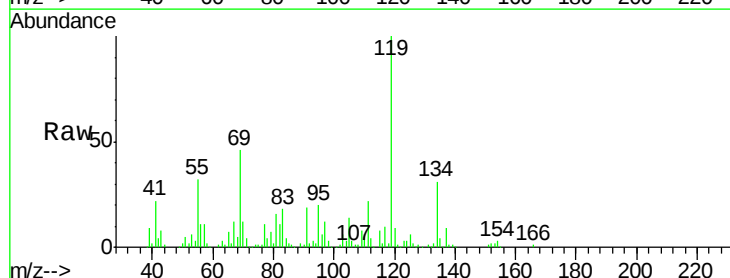
Tgt Ion: 105 Resp: 15057

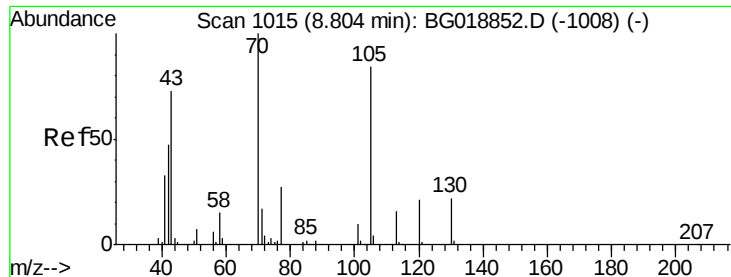
Ion Ratio Lower Upper

105 100

77 81.0 61.9 92.9

51 34.9 25.5 38.3





#15

N-Nitroso-di-n-propylamine

Concen: 1.27 ng/ul

RT: 8.84 min Scan# 1021

Delta R.T. 0.03 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampleId :

JHAD5

Tot Ion: 70 Resp: 5096

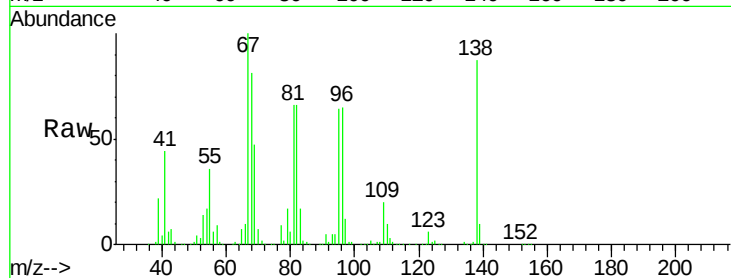
Ion Ratio Lower Upper

70 100

42 80.4 50.7 76.1#

101 0.0 7.4 11.2#

130 0.0 15.8 23.6#

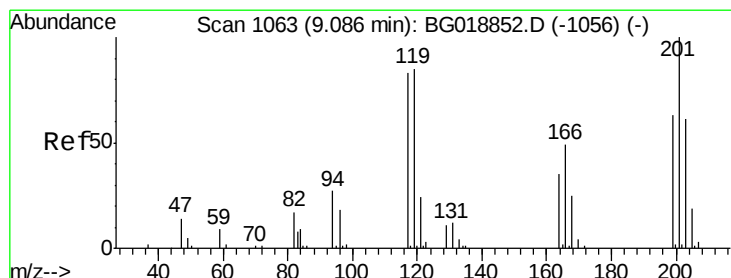
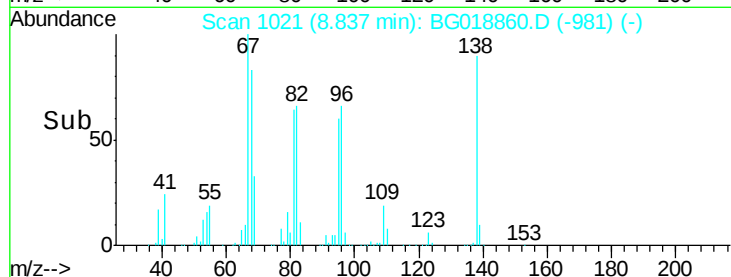
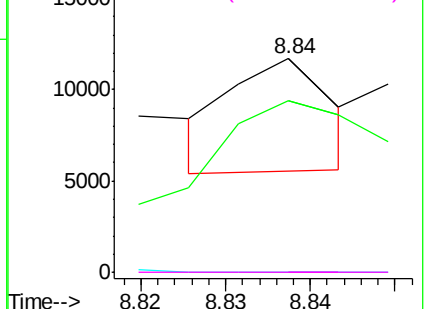


Abundance Ion 70.00 (69.70 to 70.70): BG0

Ion 42.00 (41.70 to 42.70): BG0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#17

Hexachloroethane

Concen: 23.22 ng/ul

RT: 9.11 min Scan# 1068

Delta R.T. 0.03 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

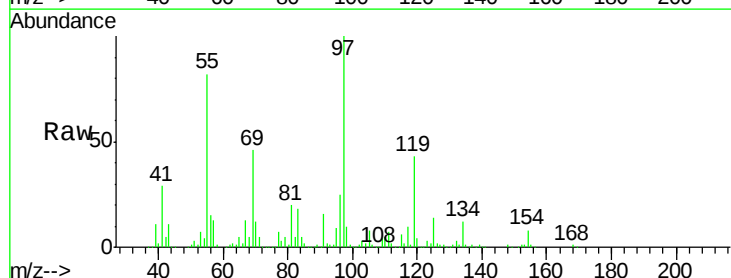
Tgt Ion: 117 Resp: 45744

Ion Ratio Lower Upper

117 100

201 0.0 73.6 110.4#

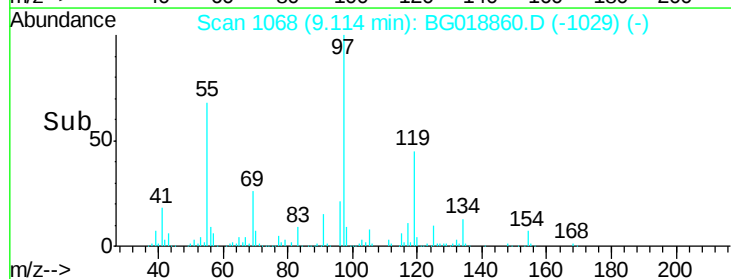
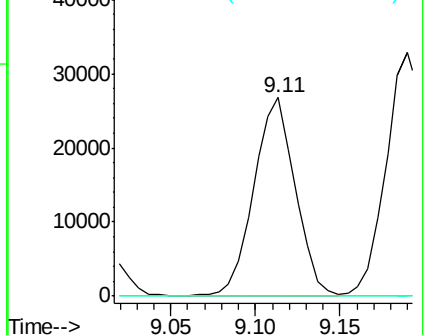
199 0.0 48.6 72.8#

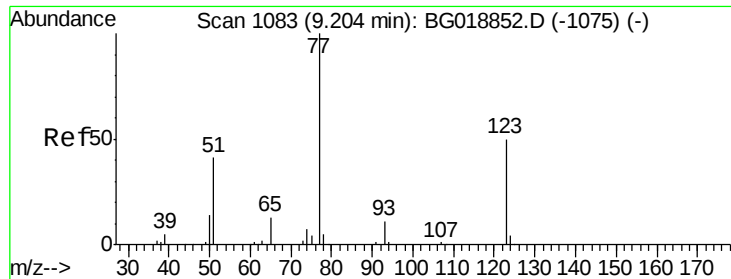


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

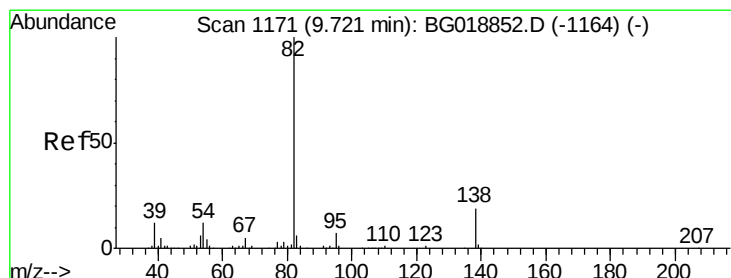
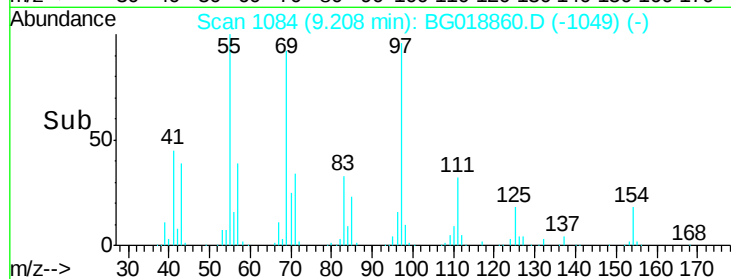
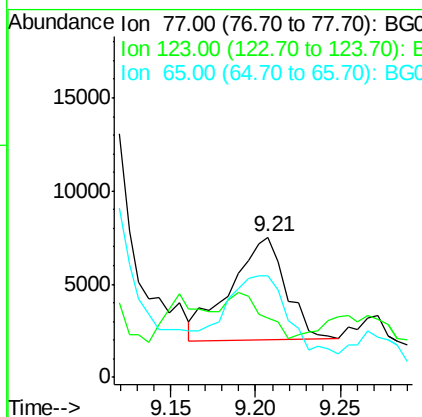
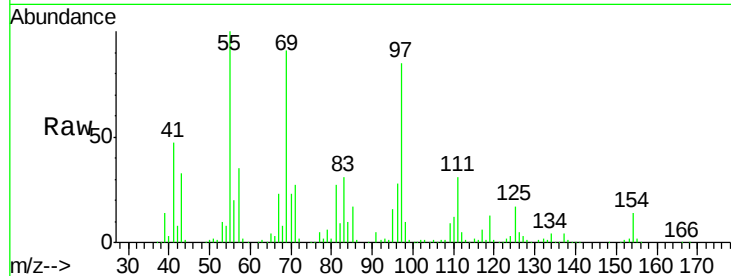




#20
Nitrobenzene
Concen: 2.31 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.00 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

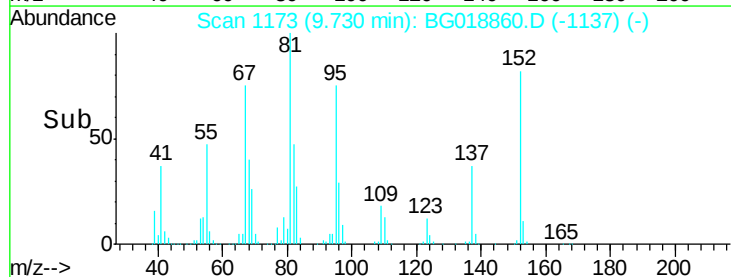
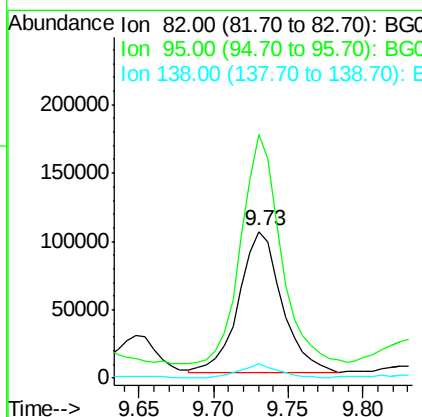
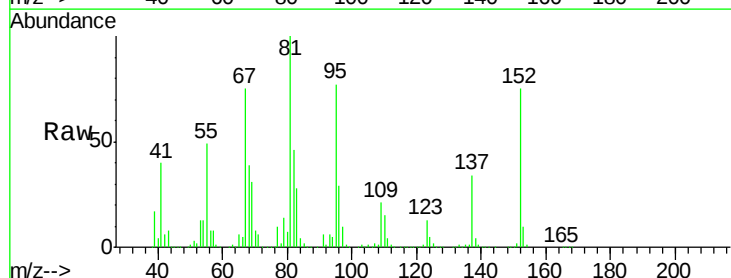
Instrument :
BNA_G
ClientSampleId :
JHAD5

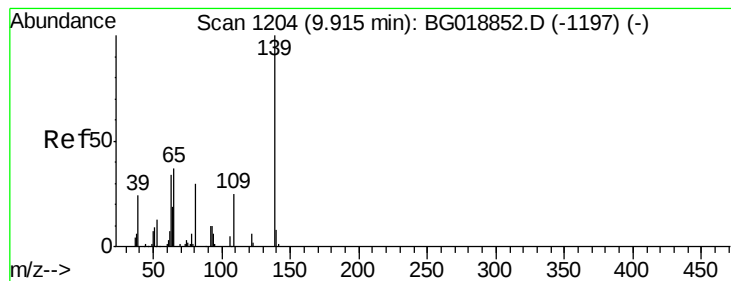
Tot Ion: 77 Resp: 12398
Ion Ratio Lower Upper
77 100
123 42.2 32.8 49.2
65 72.1 12.2 18.2#



#21
Isophorone
Concen: 18.77 ng/ul
RT: 9.73 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

Tgt Ion: 82 Resp: 205095
Ion Ratio Lower Upper
82 100
95 165.8 5.2 7.8#
138 9.6 13.8 20.8#





#23

2-Nitrophenol

Concen: 4.08 ng/ul

RT: 9.93 min Scan# 1207

Delta R.T. 0.02 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampleId :

JHAD5

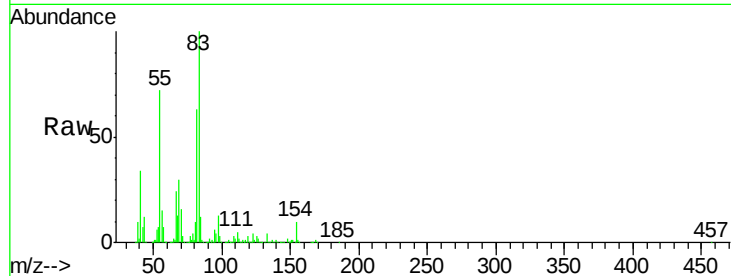
Tot Ion:139 Resp: 10695

Ion Ratio Lower Upper

139 100

65 169.7 45.6 68.4#

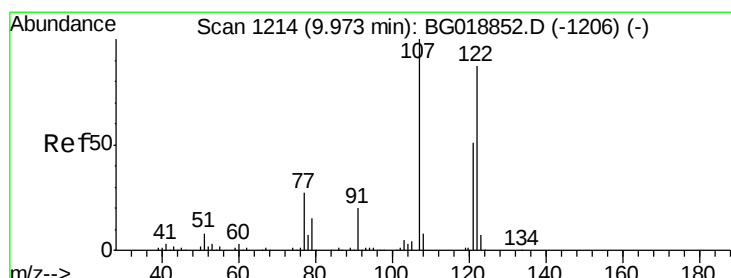
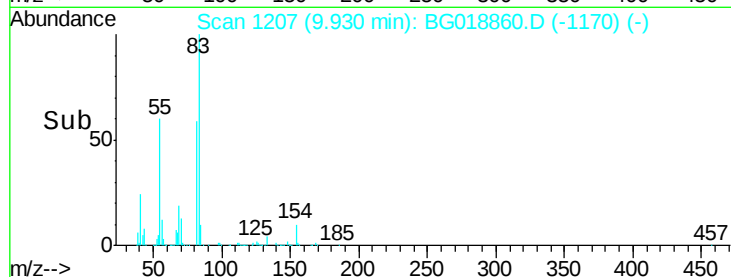
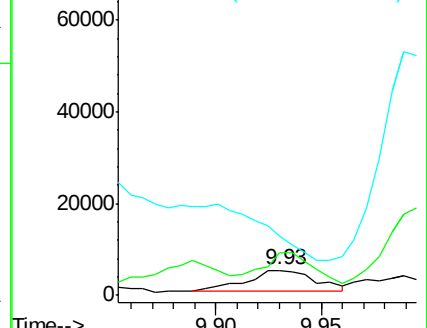
109 238.3 25.4 38.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

Ion 109.00 (108.70 to 109.70): E



#24

2,4-Dimethylphenol

Concen: 6.00 ng/ul

RT: 10.02 min Scan# 1222

Delta R.T. 0.04 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

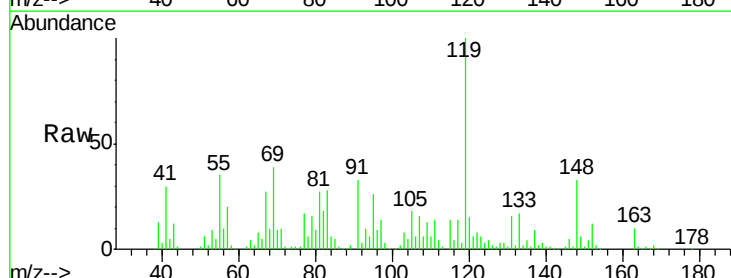
Tgt Ion:107 Resp: 32573

Ion Ratio Lower Upper

107 100

121 41.4 41.3 61.9

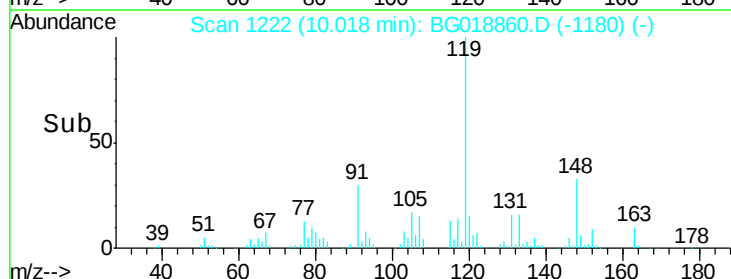
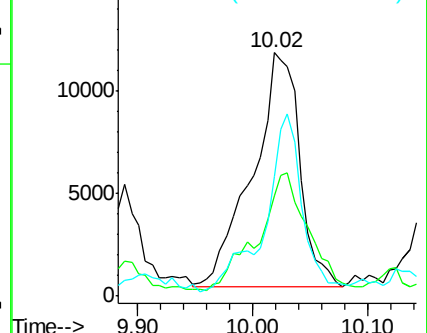
122 49.1 71.9 107.9#

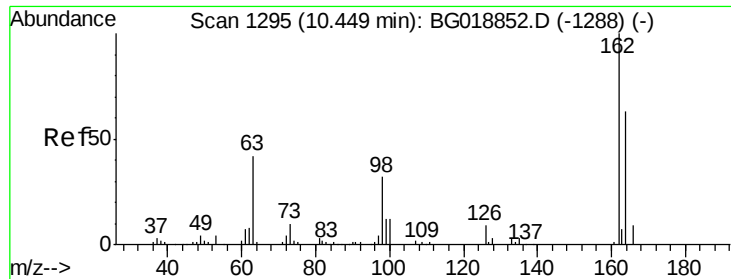


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

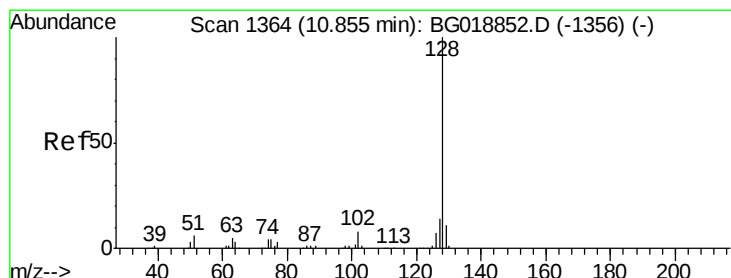
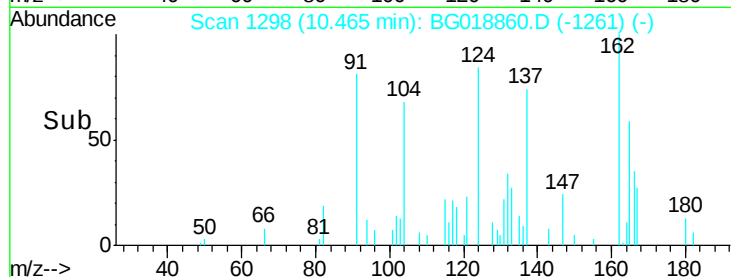
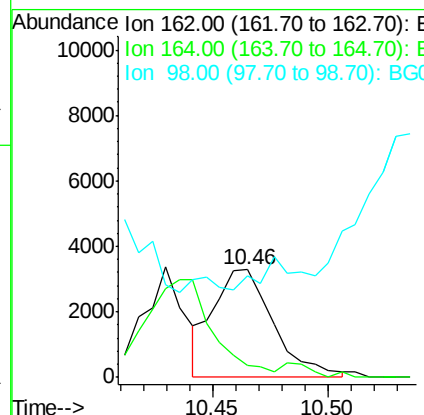
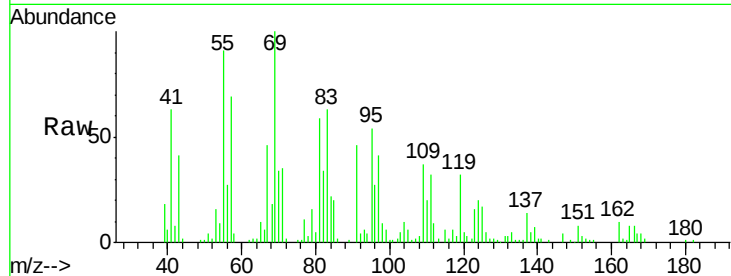




#27
 2,4-Dichlorophenol
 Concen: 1.21 ng/ul
 RT: 10.46 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

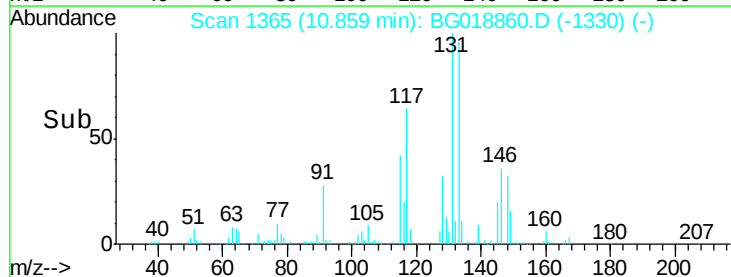
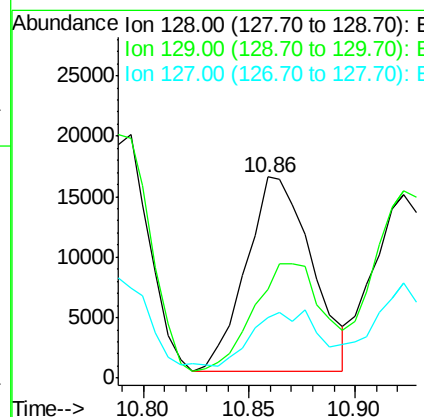
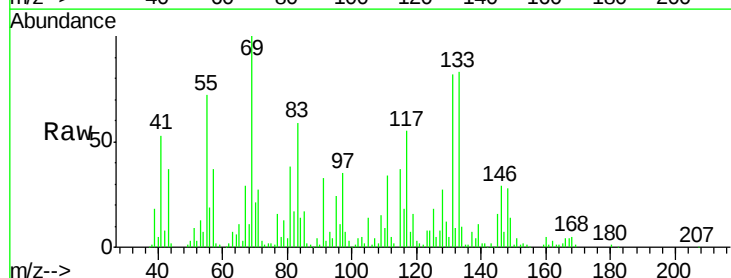
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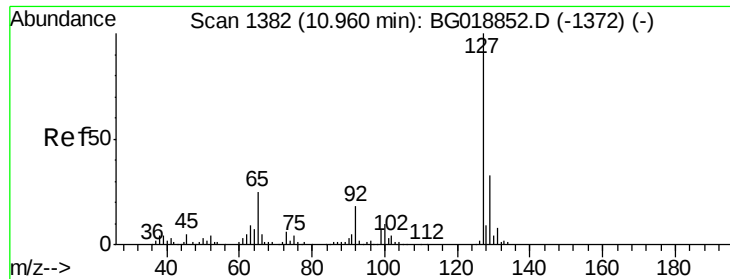
Tot Ion:162 Resp: 5927
 Ion Ratio Lower Upper
 162 100
 164 11.5 51.7 77.5#
 98 94.0 30.4 45.6#



#28
 Naphthalene
 Concen: 2.23 ng/ul
 RT: 10.86 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

Tgt Ion:128 Resp: 34661
 Ion Ratio Lower Upper
 128 100
 129 43.9 9.6 14.4#
 127 30.4 10.5 15.7#

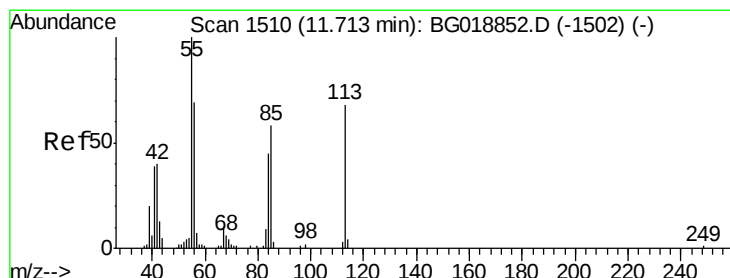
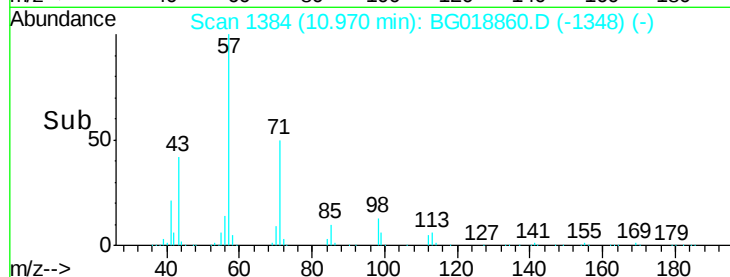
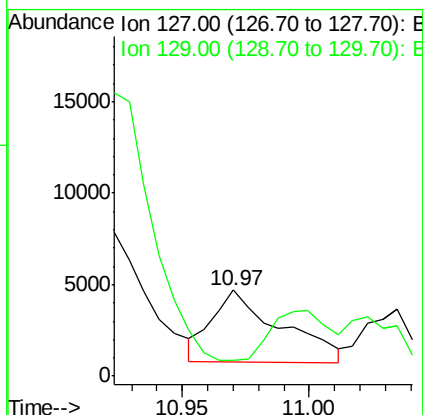
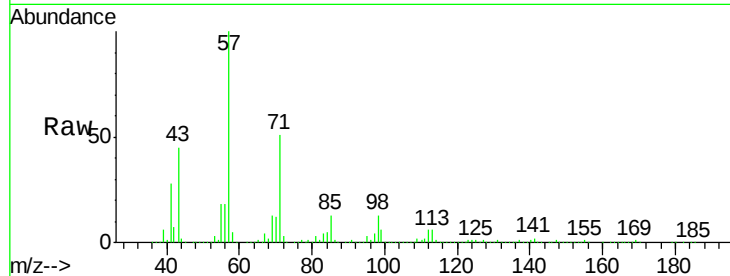




#30
4-Chloroaniline
Concen: 1.24 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

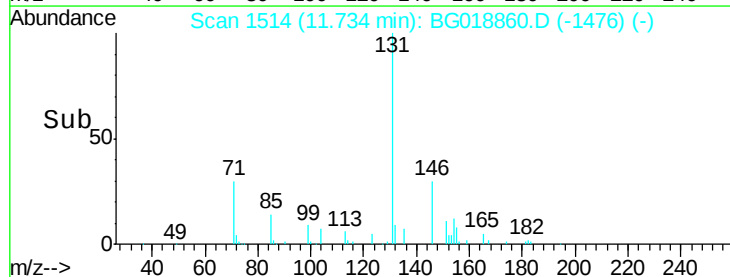
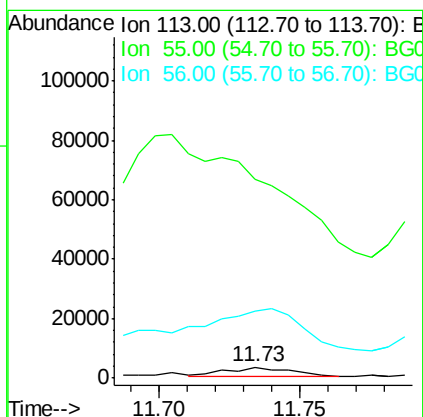
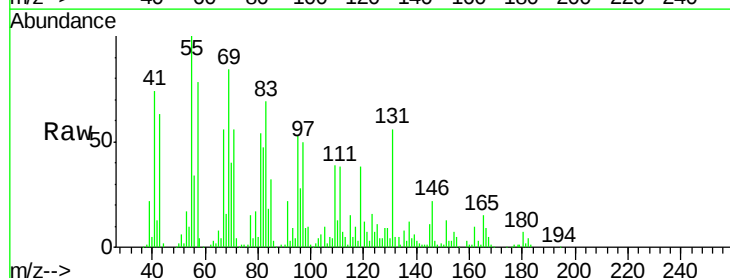
Instrument :
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ClientSampleId :
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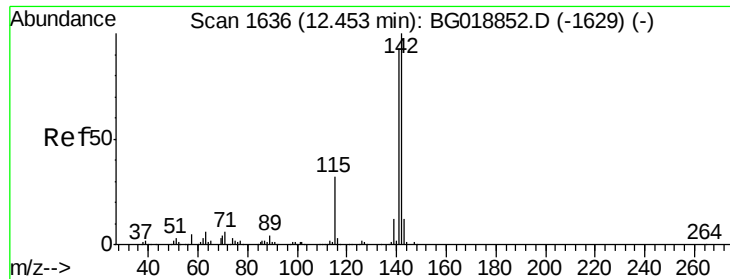
Tot Ion:127 Resp: 7333
Ion Ratio Lower Upper
127 100
129 19.0 26.7 40.1#



#32
Caprolactam
Concen: 2.39 ng/ul
RT: 11.73 min Scan# 1514
Delta R.T. 0.02 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

Tgt Ion:113 Resp: 4803
Ion Ratio Lower Upper
113 100
55 1855.0 124.2 186.4#
56 631.6 98.2 147.4#

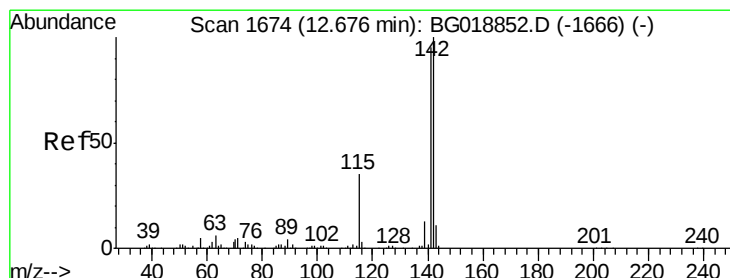
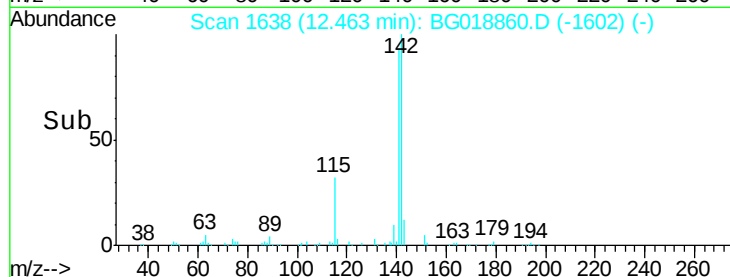
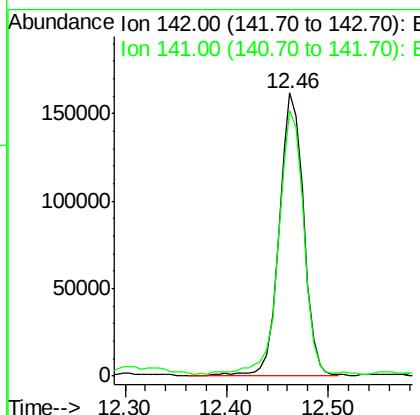
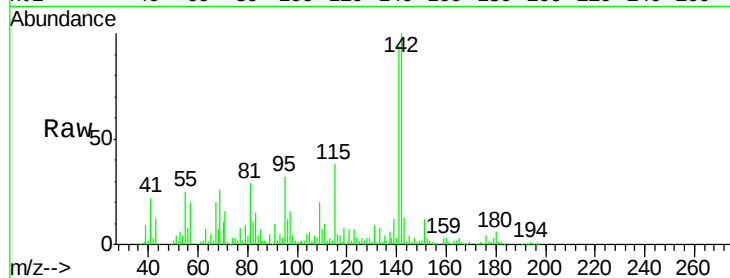




#34
 2-Methylnaphthalene
 Concen: 23.56 ng/ul
 RT: 12.46 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

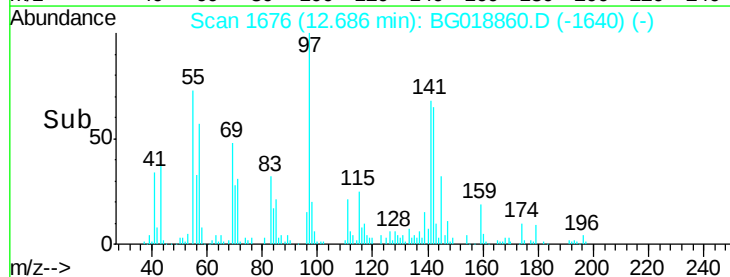
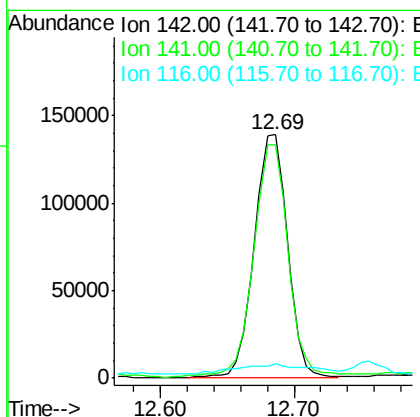
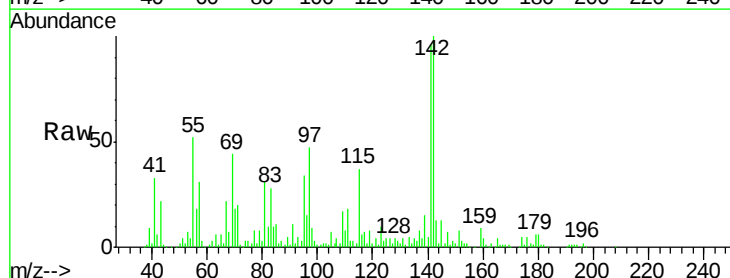
Instrument :
 BNA_G
 ClientSampleId :
 JHAD5

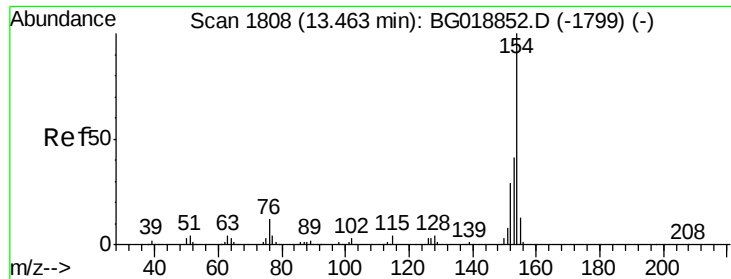
Tot Ion:142 Resp: 270318
 Ion Ratio Lower Upper
 142 100
 141 93.8 78.0 117.0



#35
 1-Methylnaphthalene
 Concen: 21.72 ng/ul
 RT: 12.69 min Scan# 1676
 Delta R.T. 0.01 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

Tgt Ion:142 Resp: 238808
 Ion Ratio Lower Upper
 142 100
 141 96.0 77.1 115.7
 116 5.9 3.5 5.3#

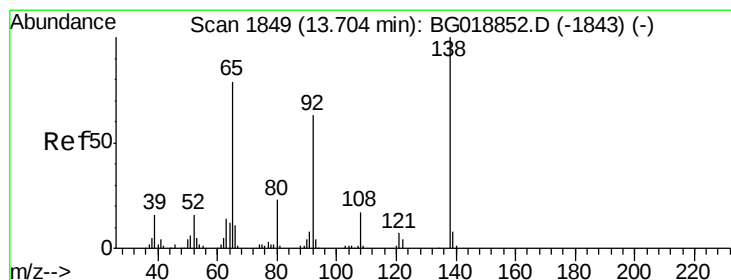
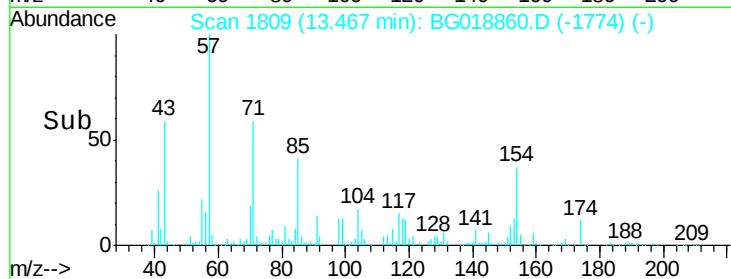
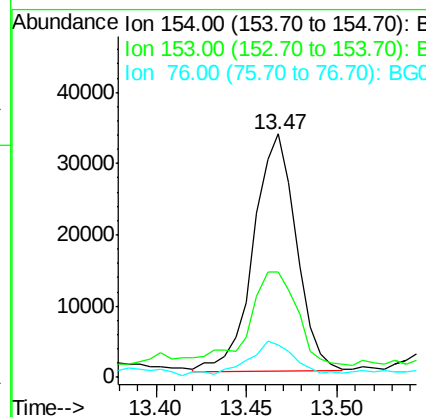
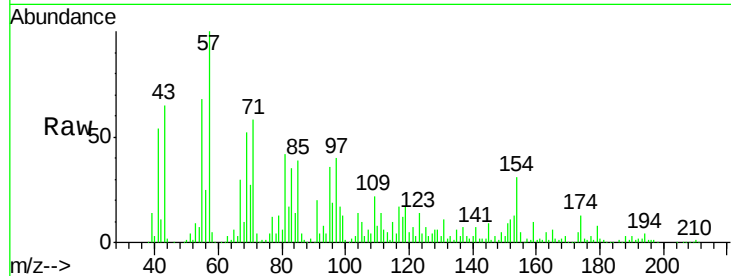




#41
 1,1'-Biphenyl
 Concen: 3.91 ng/ul
 RT: 13.47 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

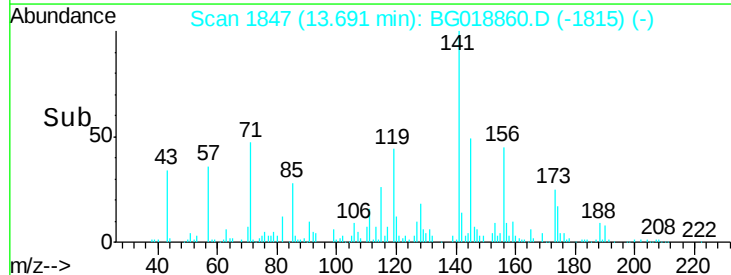
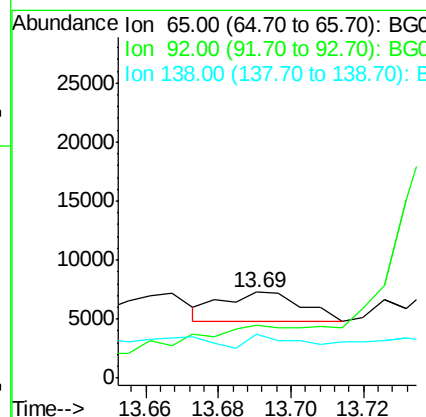
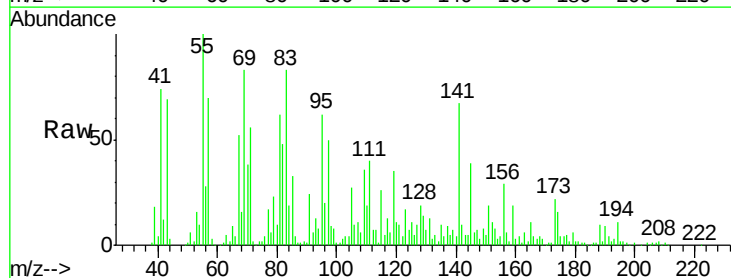
Instrument :
 BNA_G
 ClientSampleId :
 JHAD5

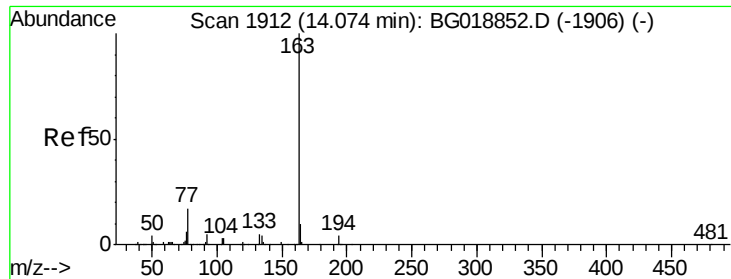
Tot Ion:154 Resp: 54520
 Ion Ratio Lower Upper
 154 100
 153 43.5 35.2 52.8
 76 13.3 10.6 16.0



#43
 2-Nitroaniline
 Concen: 1.19 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

Tgt Ion: 65 Resp: 3751
 Ion Ratio Lower Upper
 65 100
 92 60.8 51.1 76.7
 138 50.9 75.1 112.7#

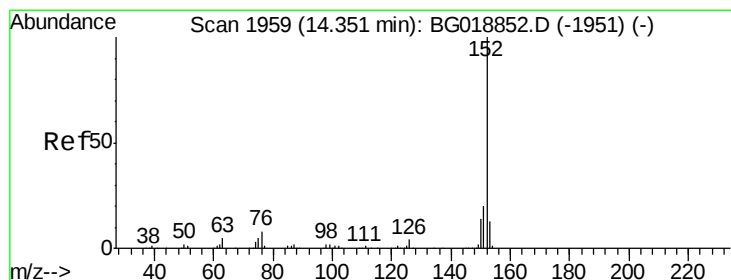
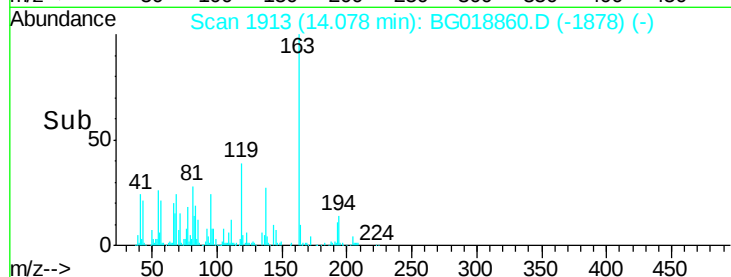
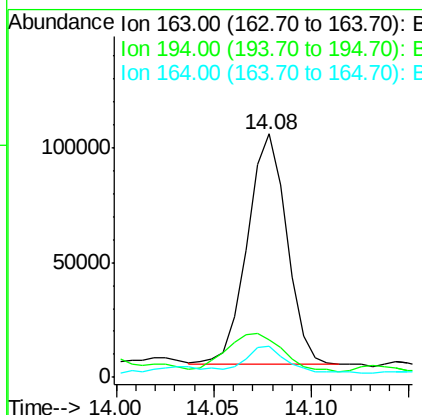
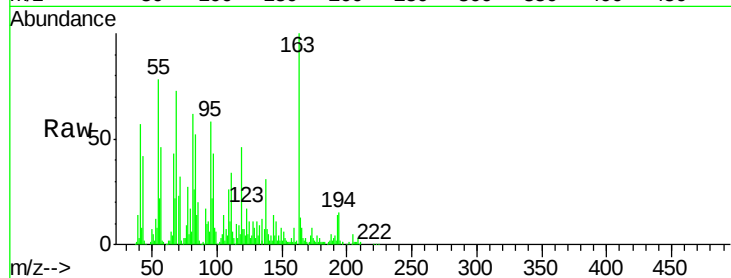




#45
Dimethylphthalate
Concen: 9.77 ng/ul
RT: 14.08 min Scan# 1913
Delta R.T. 0.00 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

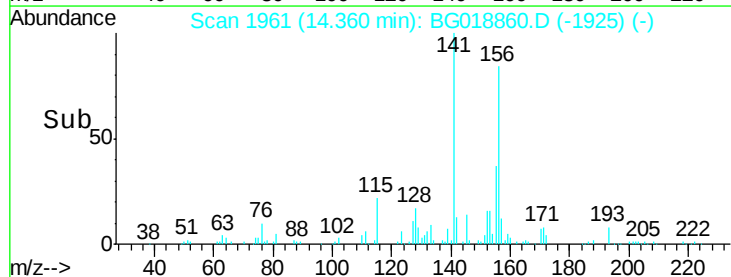
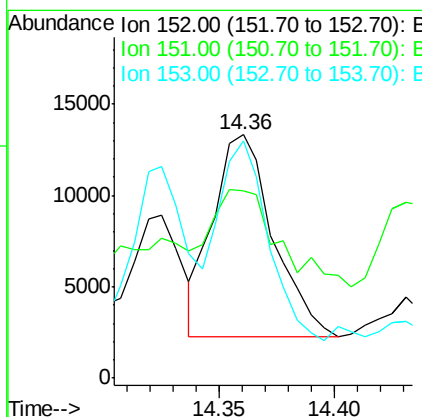
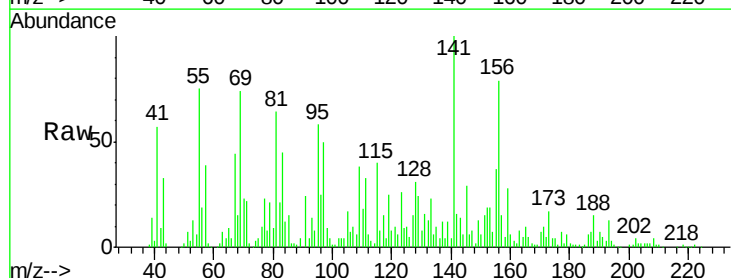
Instrument :
BNA_G
ClientSampleId :
JHAD5

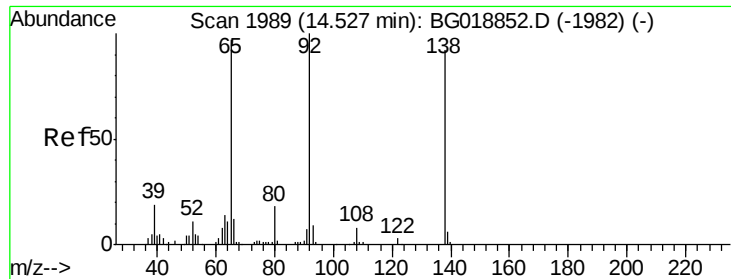
Tot Ion:163 Resp: 140315
Ion Ratio Lower Upper
163 100
194 15.2 2.9 4.3#
164 12.7 7.7 11.5#



#48
Acenaphthylene
Concen: 1.08 ng/ul
RT: 14.36 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BG018860.D
Acq: 23 Sep 2015 20:53

Tgt Ion:152 Resp: 20107
Ion Ratio Lower Upper
152 100
151 77.0 15.4 23.2#
153 97.5 10.8 16.2#





#49

3-Nitroaniline

Concen: 1.86 ng/ul

RT: 14.54 min Scan# 1992

Delta R.T. 0.02 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampleId :

JHAD5

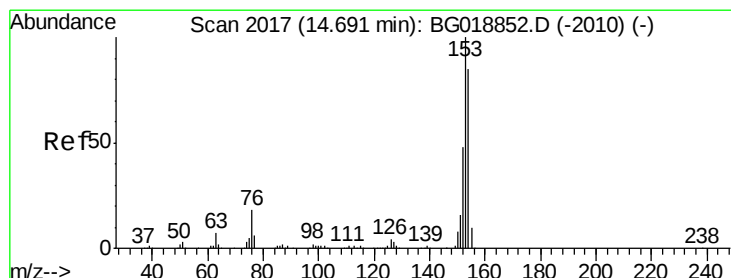
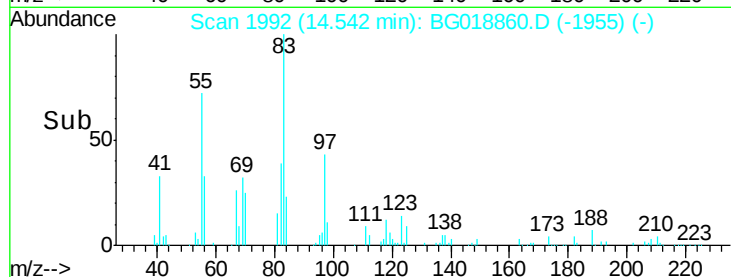
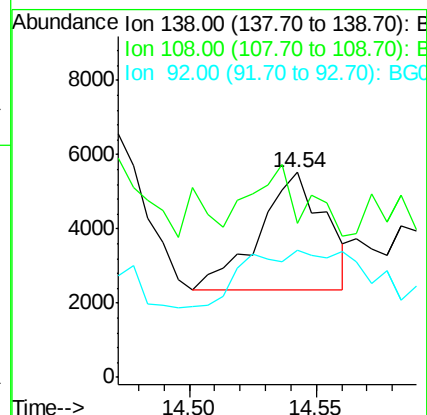
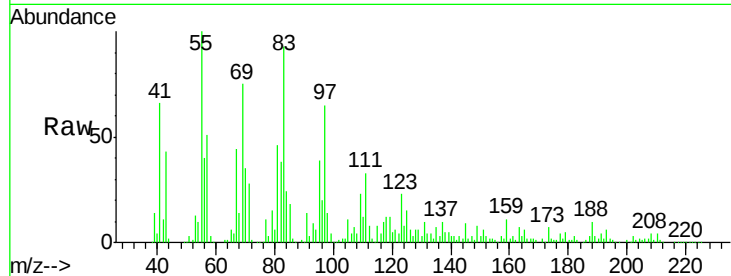
Tot Ion:138 Resp: 5694

Ion Ratio Lower Upper

138 100

108 75.0 9.4 14.0#

92 61.9 102.8 154.2#



#50

Acenaphthene

Concen: 2.51 ng/ul

RT: 14.71 min Scan# 2020

Delta R.T. 0.02 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

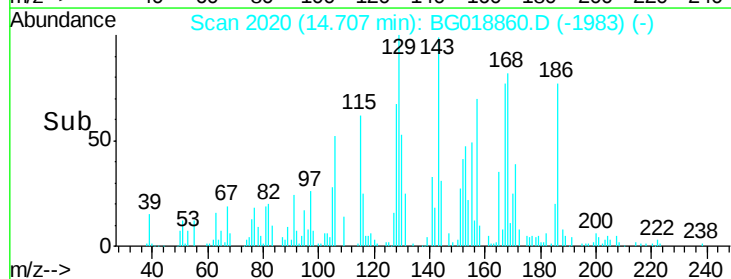
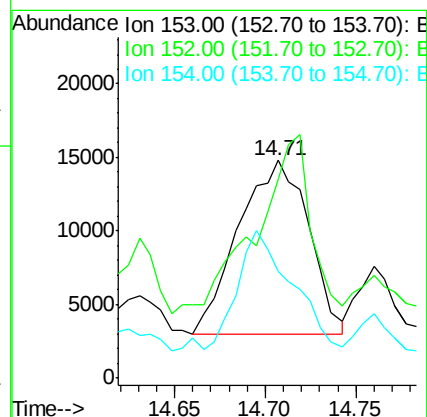
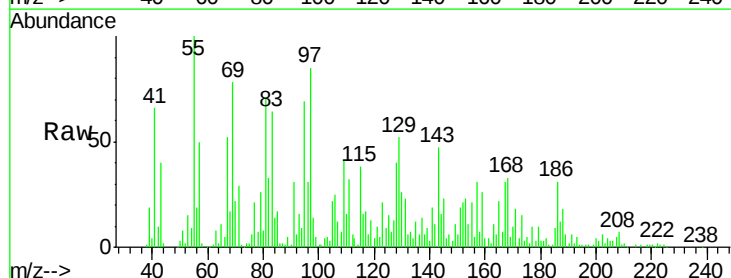
Tgt Ion:153 Resp: 31619

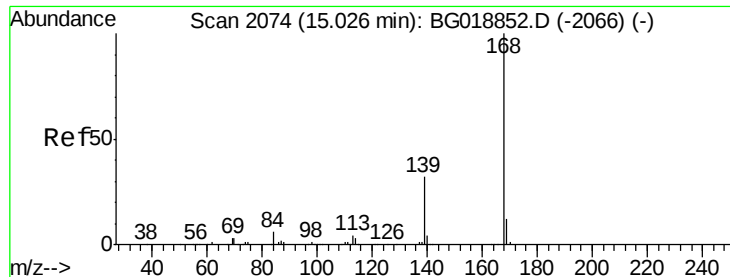
Ion Ratio Lower Upper

153 100

152 91.0 38.2 57.4#

154 49.2 68.6 103.0#





#54

Dibenzofuran

Concen: 2.00 ng/ul

RT: 15.03 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampled :

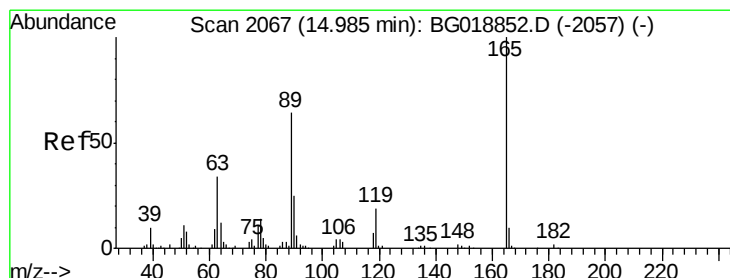
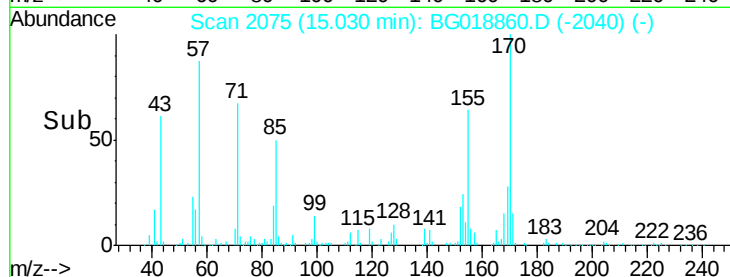
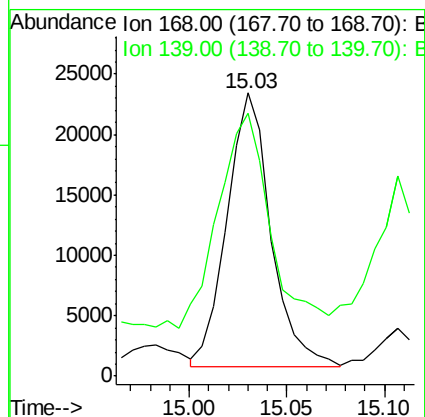
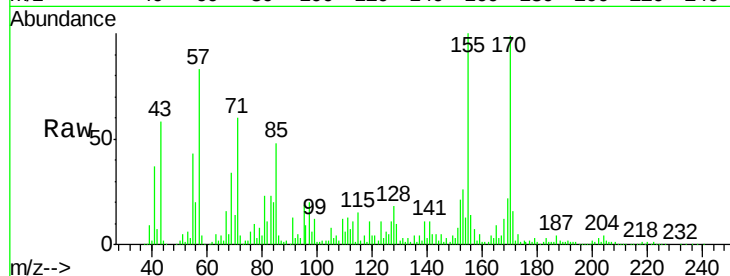
JHAD5

Tot Ion:168 Resp: 35279

Ion Ratio Lower Upper

168 100

139 92.7 29.7 44.5#



#55

2,4-Dinitrotoluene

Concen: 1.33 ng/ul

RT: 14.98 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

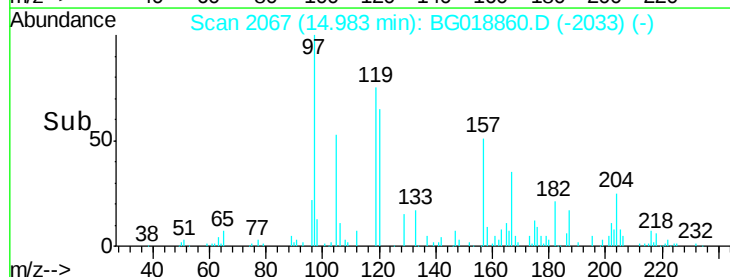
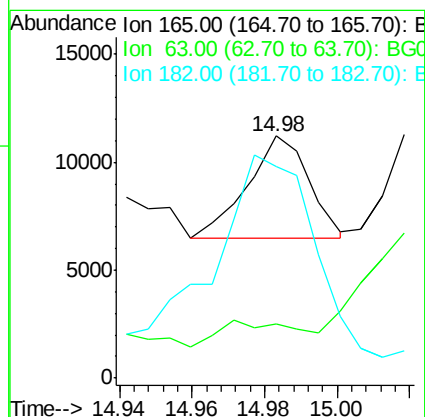
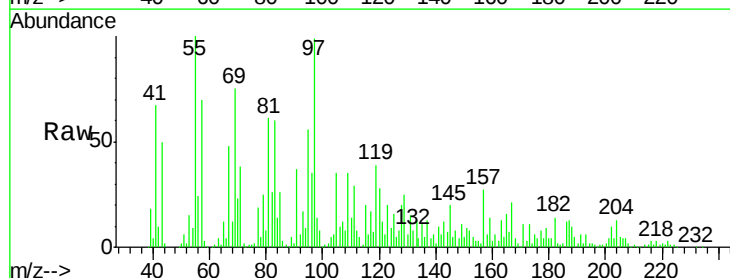
Tgt Ion:165 Resp: 5698

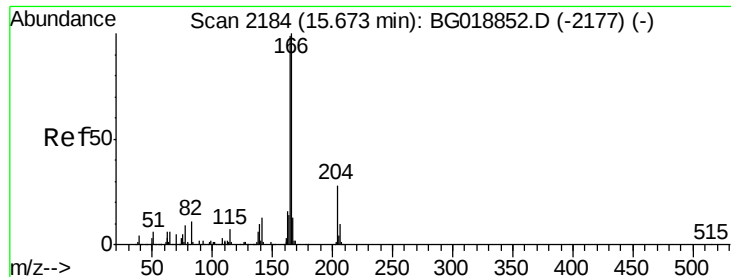
Ion Ratio Lower Upper

165 100

63 22.4 36.7 55.1#

182 87.2 2.2 3.2#





#59

Fluorene

Concen: 7.10 ng/ul

RT: 15.68 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampled :

JHAD5

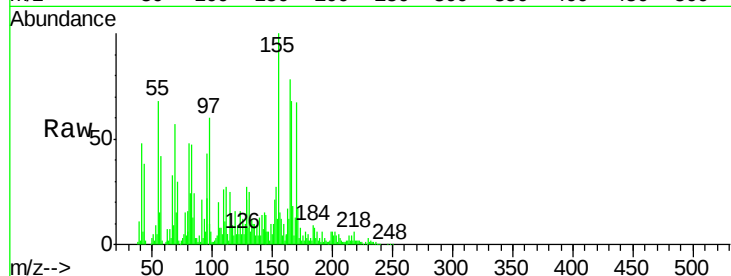
Tot Ion:166 Resp: 105953

Ion Ratio Lower Upper

166 100

165 115.3 82.6 124.0

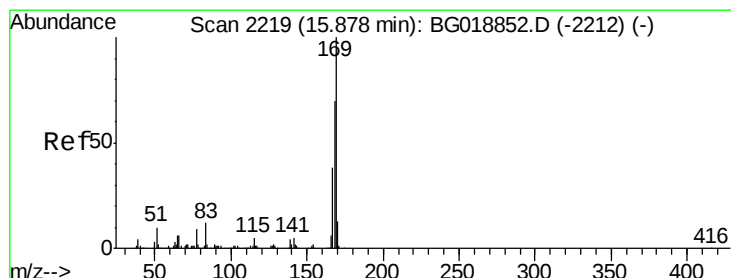
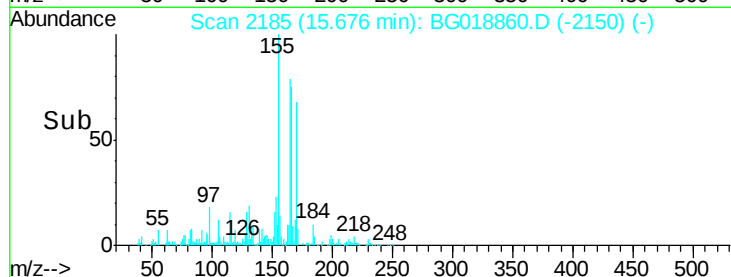
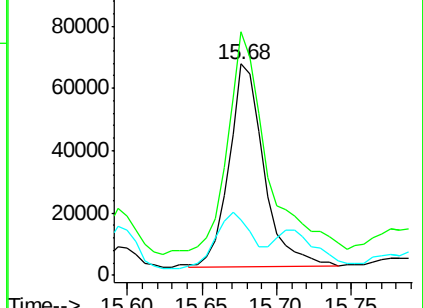
167 26.0 11.4 17.0#



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



#65

N-Nitrosodiphenylamine

Concen: 9.40 ng/ul

RT: 15.89 min Scan# 2221

Delta R.T. 0.01 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

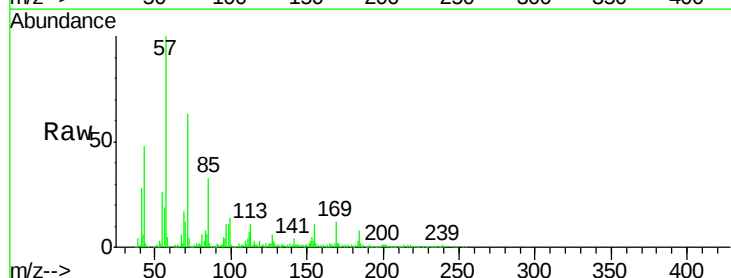
Tgt Ion:169 Resp: 104448

Ion Ratio Lower Upper

169 100

168 20.4 60.2 90.2#

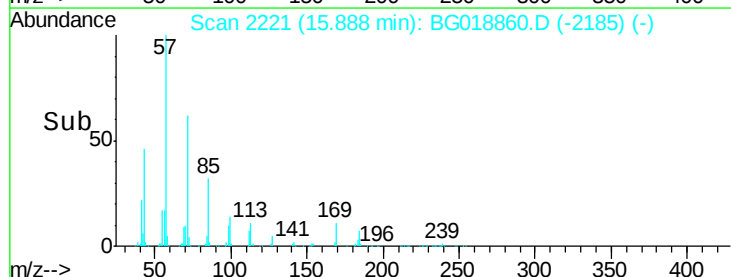
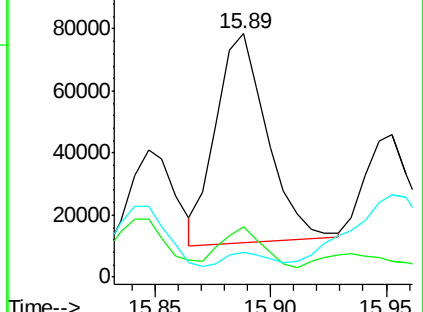
167 10.1 33.4 50.2#

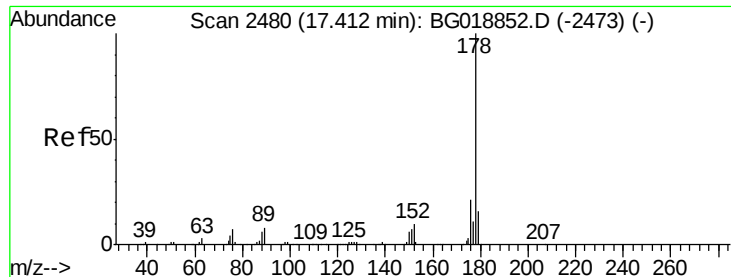


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 10.50 ng/ul

RT: 17.42 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

Instrument :

BNA_G

ClientSampleId :

JHAD5

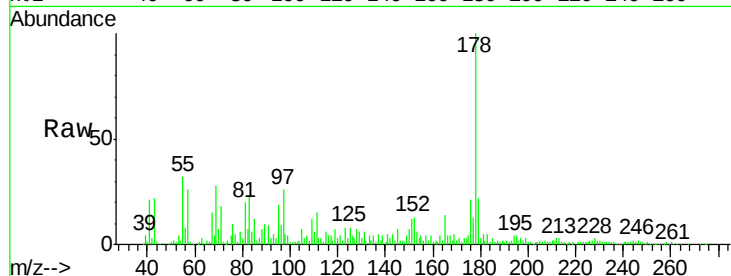
Tot Ion:178 Resp: 226405

Ion Ratio Lower Upper

178 100

179 21.6 13.7 20.5#

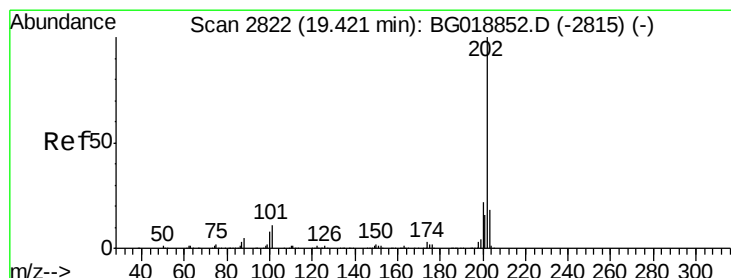
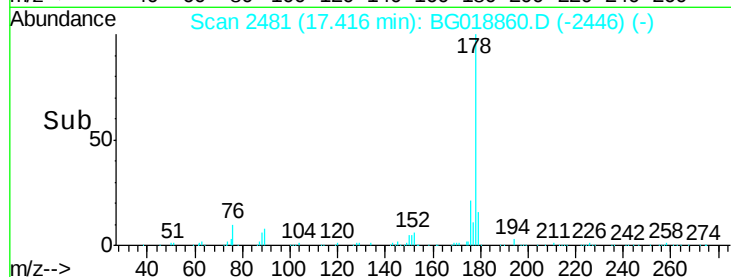
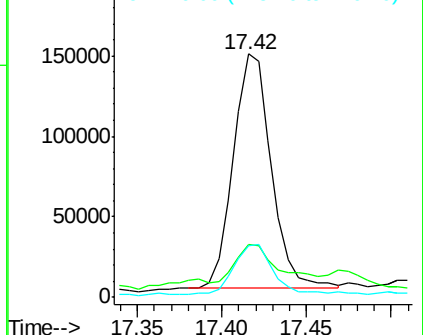
176 21.4 16.6 24.8



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



#77

Fluoranthene

Concen: 1.25 ng/ul

RT: 19.42 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BG018860.D

Acq: 23 Sep 2015 20:53

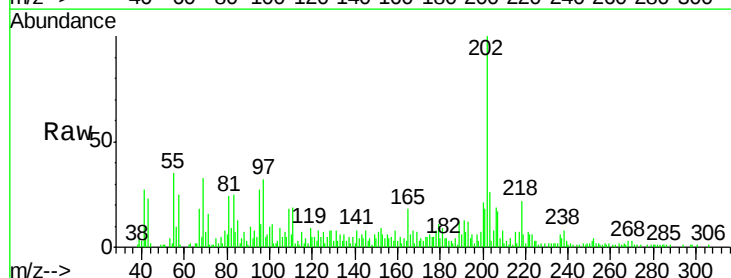
Tgt Ion:202 Resp: 29854

Ion Ratio Lower Upper

202 100

101 11.3 9.7 14.5

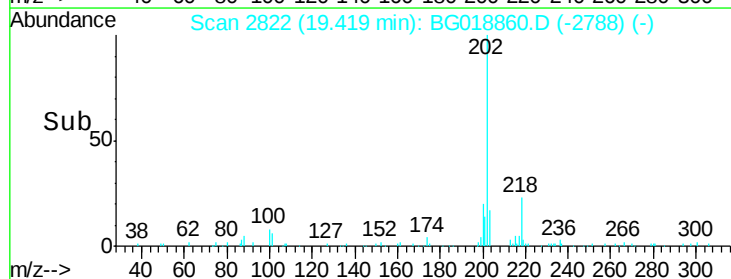
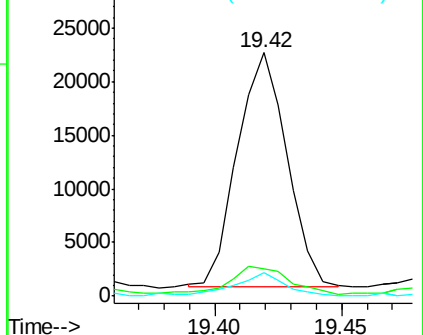
100 9.8 7.8 11.8

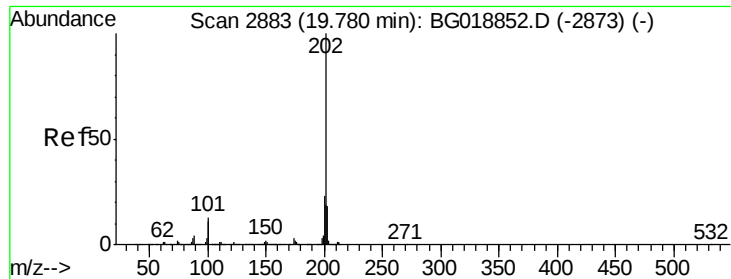


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

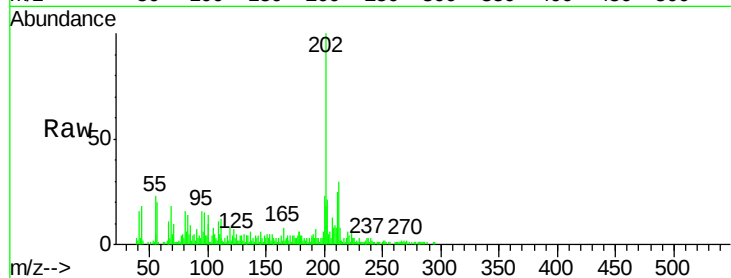




#80
 Pvrene
 Concen: 1.19 ng/ul
 RT: 19.78 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BG018860.D
 Acq: 23 Sep 2015 20:53

Instrument :
 BNA_G
 ClientSampleId :
 JHAD5

Tot Ion:	202	Resp:	38218
Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.4
100	9.8	9.8	14.6



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

