

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
 Data File : BG018388.D
 Acq On : 11 Aug 2015 19:20
 Operator : UM/MA
 Sample : G3154-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z0

Quant Time: Aug 12 01:02:17 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	140131	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	614772	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	337681	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	665470	20.00	ng/ul	0.00
78) Chrysene-d12	21.69	240	543541	20.00	ng/ul	0.02
86) Perylene-d12	24.96	264	564774	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	6748	2.13	ng/uL	0.00
5) Phenol-d5	7.20	99	166440	13.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	104169	13.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	133821	13.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	131199	12.28	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	65918	13.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	69443	14.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	135206	13.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	48769	4.17	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	360404	12.69	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	467707	13.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	52811	10.33	ng/ul	0.00
58) Fluorene-d10	15.66	176	309792	12.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	11796	3.60	ng/ul	0.00
71) Anthracene-d10	17.51	188	415815	13.06	ng/ul	0.00
79) Pyrene-d10	19.80	212	360021	12.77	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.74	264	323717	10.80	ng/ul	0.06

Target Compounds

						Qvalue
4) Benzaldehyde	7.18	77	7586	1.02	ng/ul#	30
6) Phenol	7.23	94	17829	1.37	ng/ul#	89
14) Acetophenone	8.85	105	22315	1.45	ng/ul#	42
17) Hexachloroethane	9.15	117	5969	1.40	ng/ul#	10
28) Naphthalene	10.90	128	142311	4.38	ng/ul	99
34) 2-Methylnaphthalene	12.50	142	344795	14.65	ng/ul	99
35) 1-Methylnaphthalene	12.72	142	365490	15.91	ng/ul	99
41) 1,1'-Biphenyl	13.50	154	74869	2.66	ng/ul	100
45) Dimethylphthalate	14.11	163	104666	3.73	ng/ul#	97
50) Acenaphthene	14.73	153	45487	1.81	ng/ul#	87
54) Dibenzofuran	15.06	168	43200	1.31	ng/ul#	83
59) Fluorene	15.71	166	59392	2.10	ng/ul#	95
65) N-Nitrosodiphenylamine	15.93	169	28583	1.43	ng/ul#	44
70) Phenanthrene	17.46	178	438380	12.14	ng/ul	98
72) Anthracene	17.46	178	439476	11.94	ng/ul	97
76) Di-n-butylphthalate	18.37	149	49793	1.18	ng/ul#	84
77) Fluoranthene	19.47	202	570475	14.79	ng/ul	99
80) Pyrene	19.83	202	552096	15.02	ng/ul	99
83) Benzo(a)anthracene	21.67	228	189474	5.62	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	21.59	149	298712	13.60	ng/ul#	90
85) Chrysene	21.74	228	266144	8.45	ng/ul#	94
88) Benzo(b)fluoranthene	23.92	252	343304	9.67	ng/ul#	61
91) Benzo(a)pyrene	24.80	252	147119	4.36	ng/ul#	35

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C01Z0

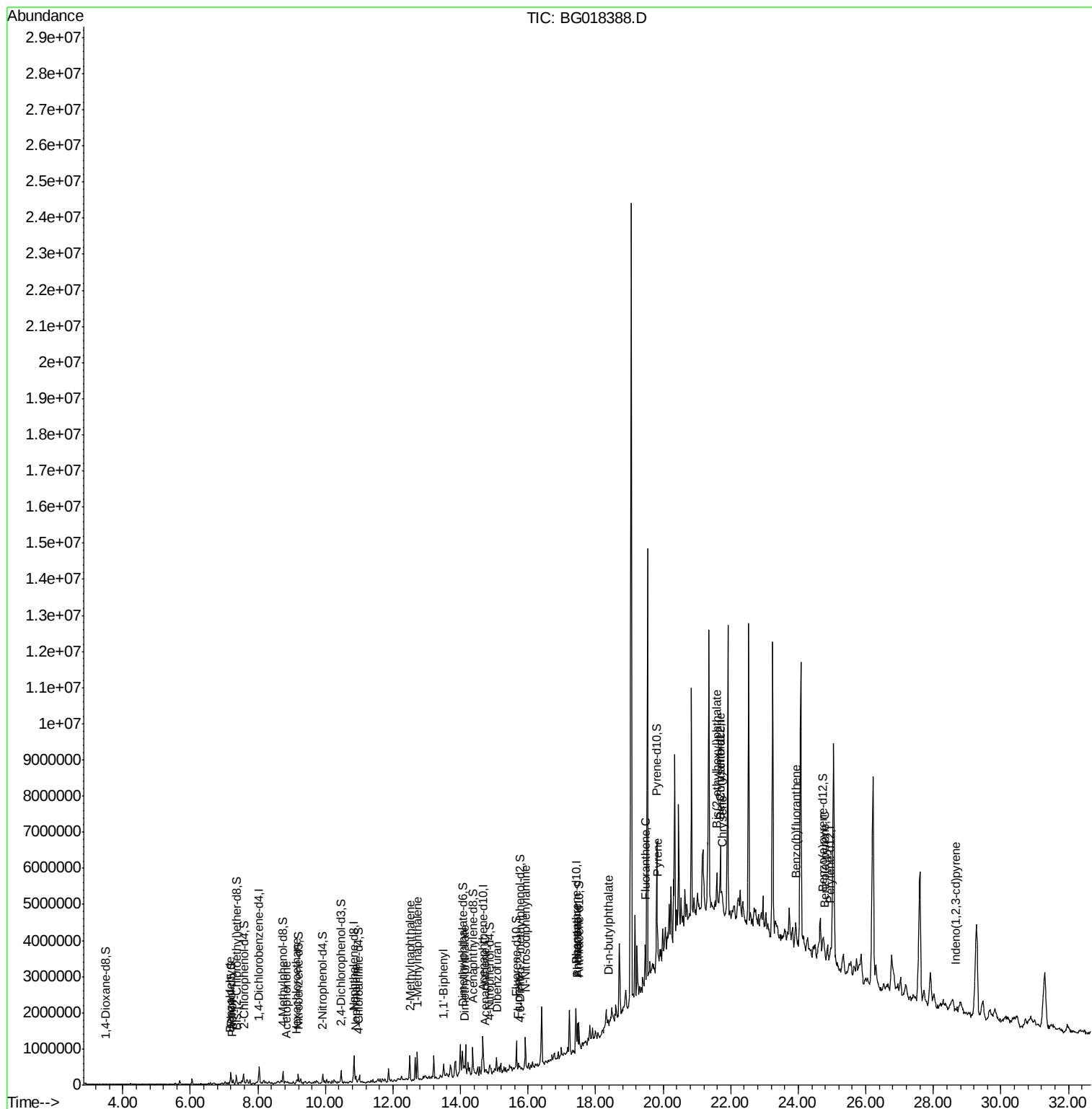
Quant Time: Aug 12 01:02:17 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 00:54:17 2015
Response via : Initial Calibration

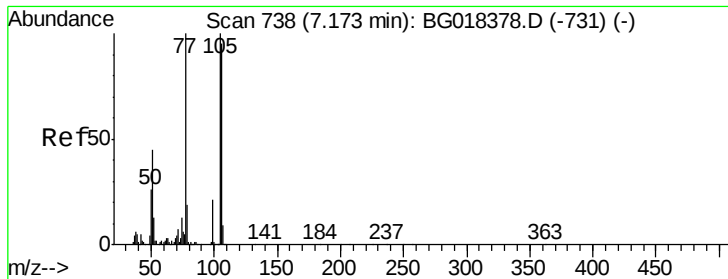
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	28.67	276	129794	3.32	ng/ul#	75

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

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Operator  : UM/MA  
Sample    : G3154-05  
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#4

Benzaldehyde

Concen: 1.02 ng/ul

RT: 7.18 min Scan# 739

Delta R.T. 0.01 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

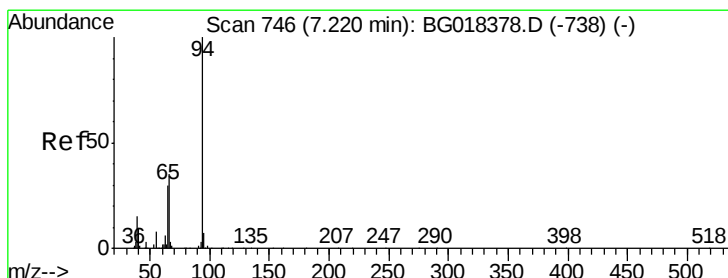
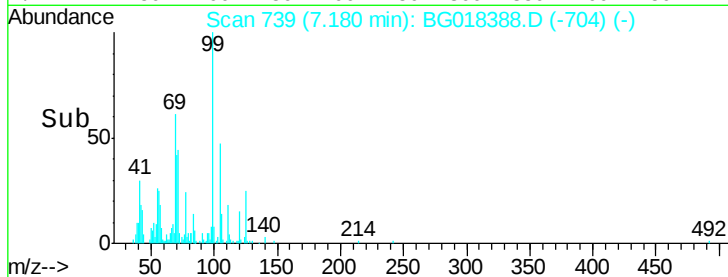
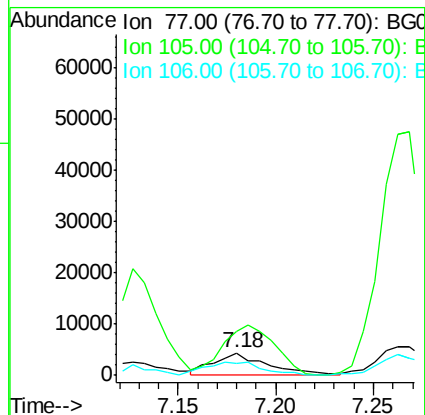
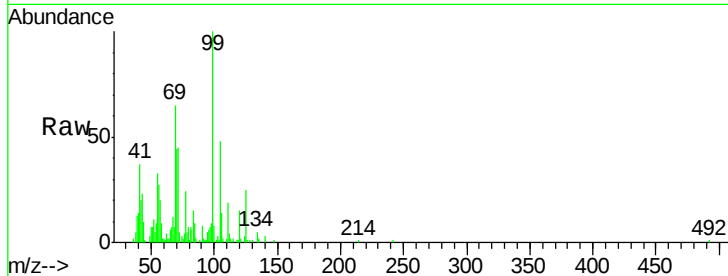
Tgt Ion: 77 Resp: 7586

Ion Ratio Lower Upper

77 100

105 194.5 78.2 117.2#

106 55.8 76.8 115.2#



#6

Phenol

Concen: 1.37 ng/ul

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

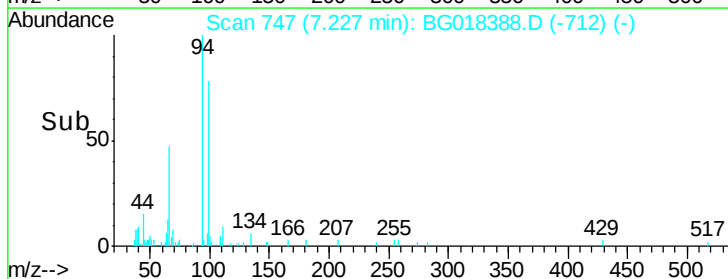
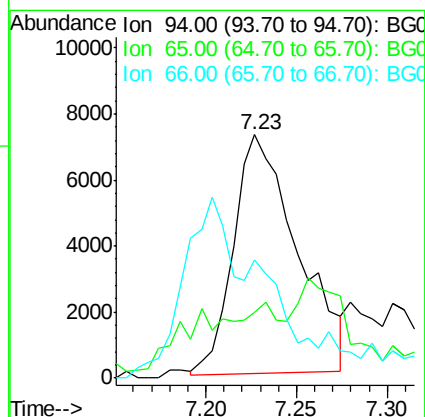
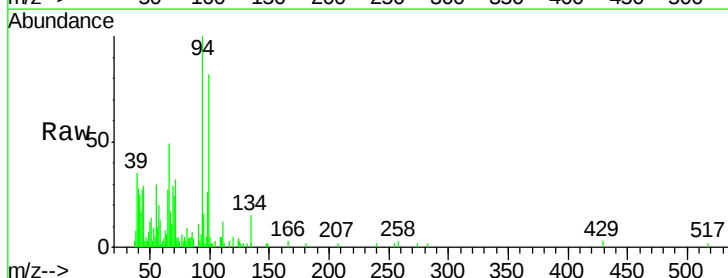
Tgt Ion: 94 Resp: 17829

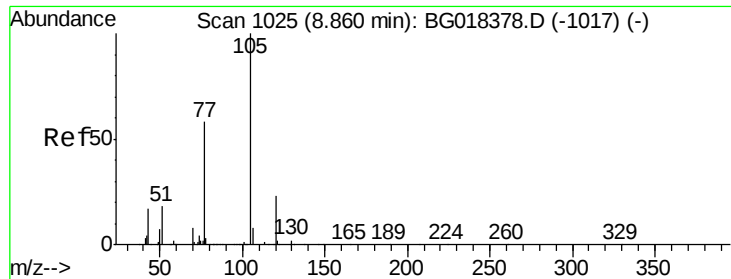
Ion Ratio Lower Upper

94 100

65 26.9 23.0 34.6

66 48.5 31.0 46.4#





#14

Acetophenone

Concen: 1.45 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

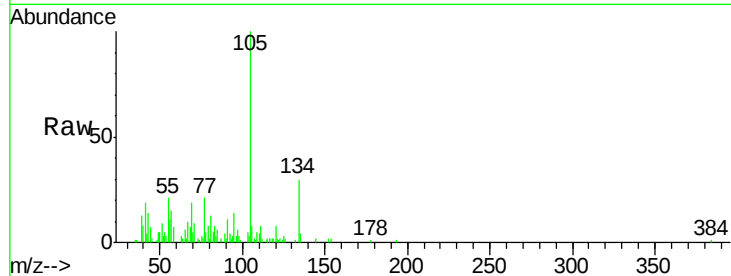
Tgt Ion:105 Resp: 22315

Ion Ratio Lower Upper

105 100

77 20.6 61.9 92.9#

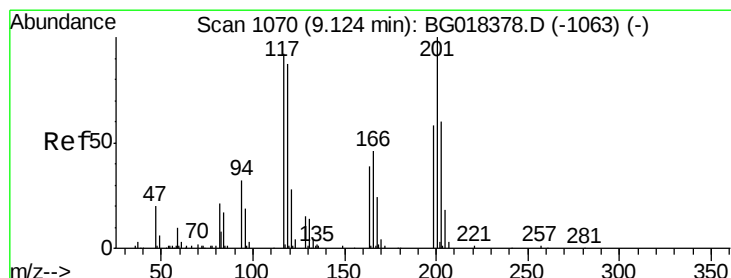
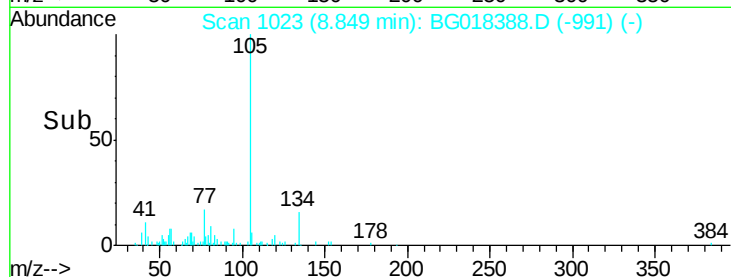
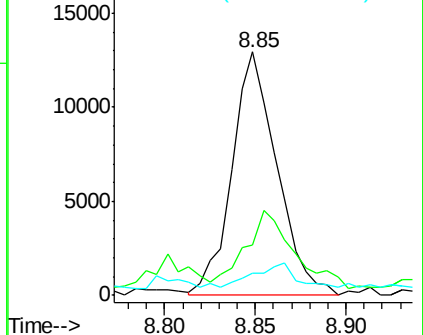
51 9.2 25.5 38.3#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0



#17

Hexachloroethane

Concen: 1.40 ng/ul

RT: 9.15 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

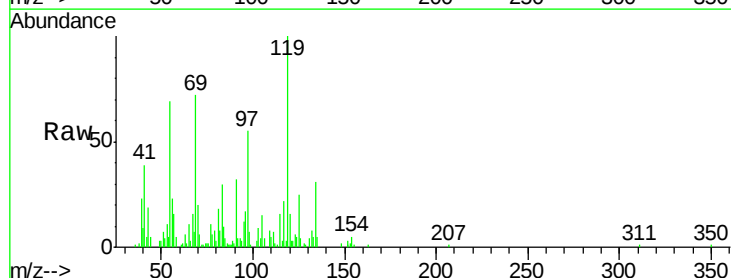
Tgt Ion:117 Resp: 5969

Ion Ratio Lower Upper

117 100

201 0.0 73.6 110.4#

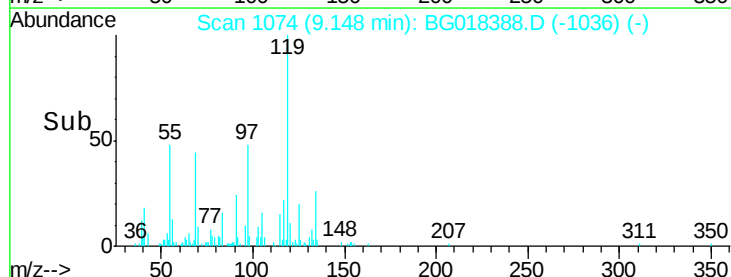
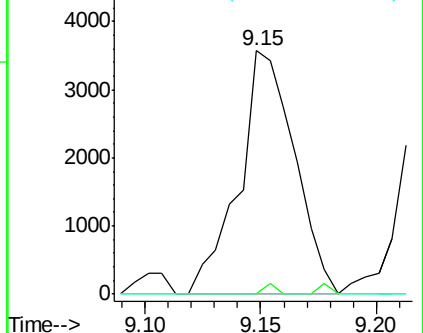
199 0.0 48.6 72.8#

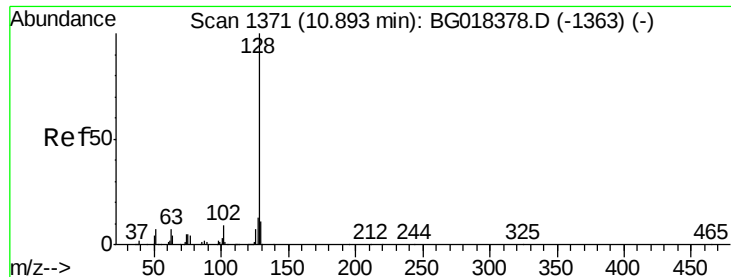


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

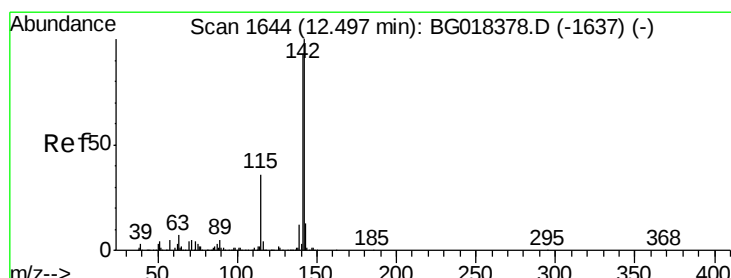
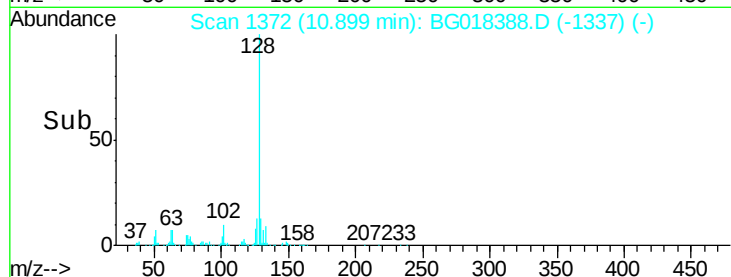
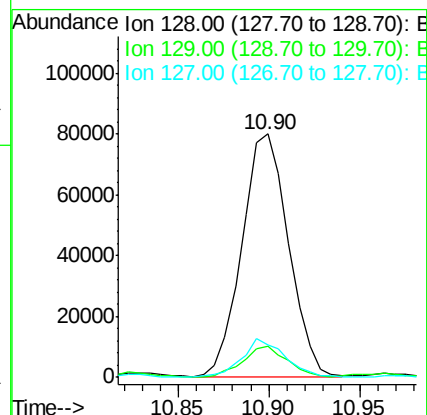
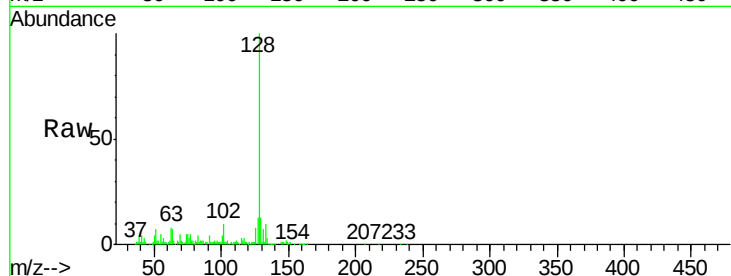




#28
Naphthalene
Concen: 4.38 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

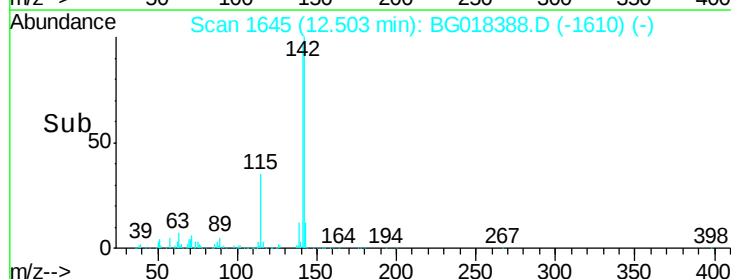
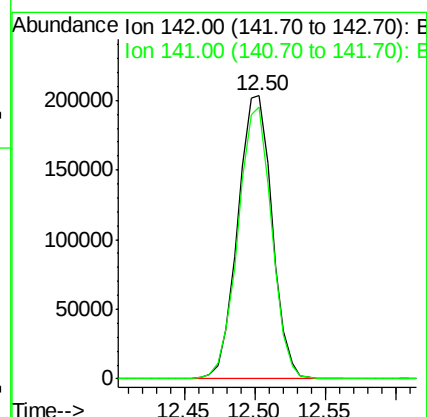
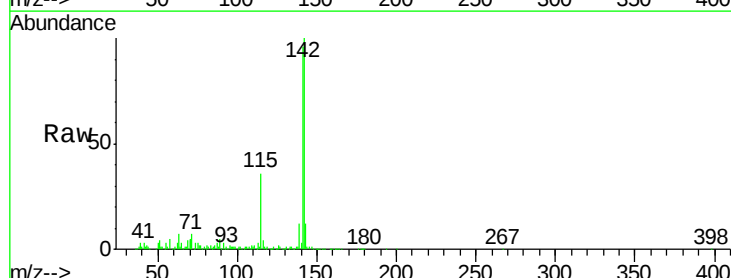
Instrument :
BNA_G
ClientSampleId :
C01Z0

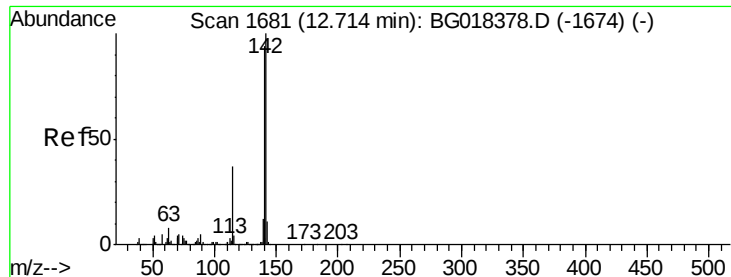
Tgt Ion:128 Resp: 142311
Ion Ratio Lower Upper
128 100
129 13.0 9.6 14.4
127 13.1 10.5 15.7



#34
2-Methylnaphthalene
Concen: 14.65 ng/ul
RT: 12.50 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion:142 Resp: 344795
Ion Ratio Lower Upper
142 100
141 96.1 78.0 117.0

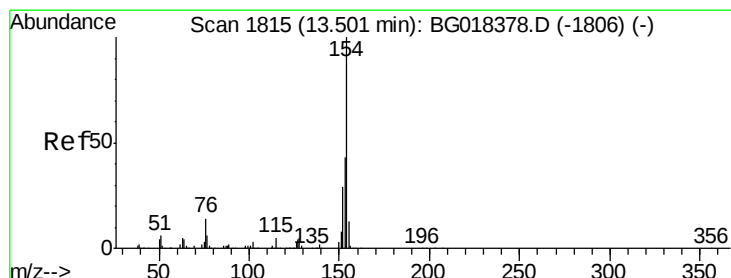
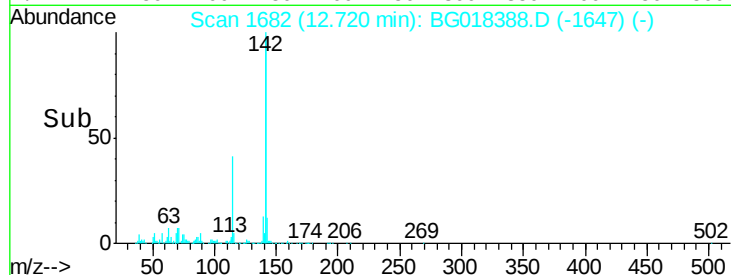
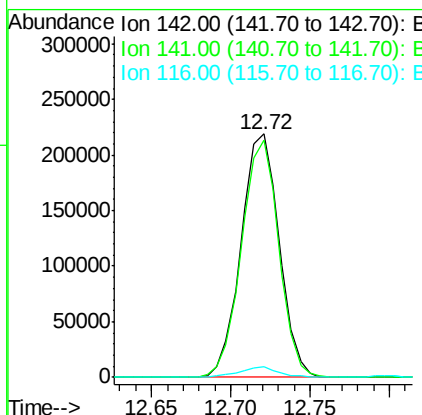
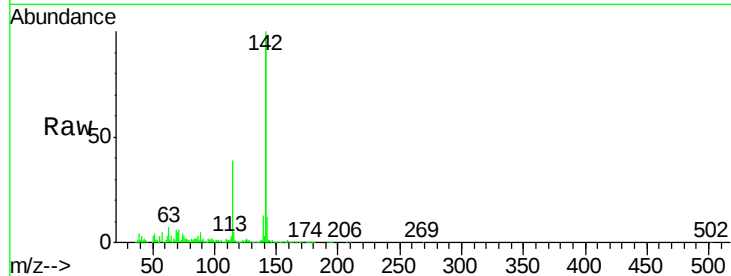




#35
 1-Methylnaphthalene
 Concen: 15.91 ng/ul
 RT: 12.72 min Scan# 1682
 Delta R.T. 0.01 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

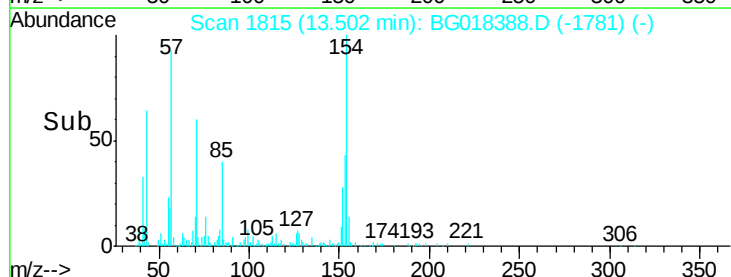
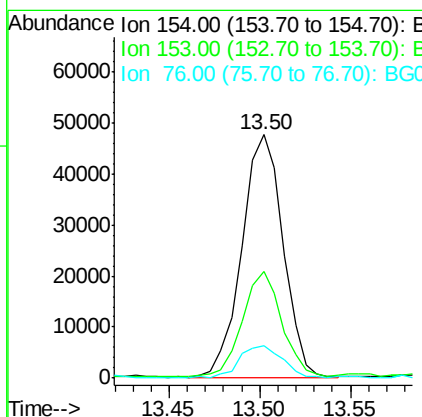
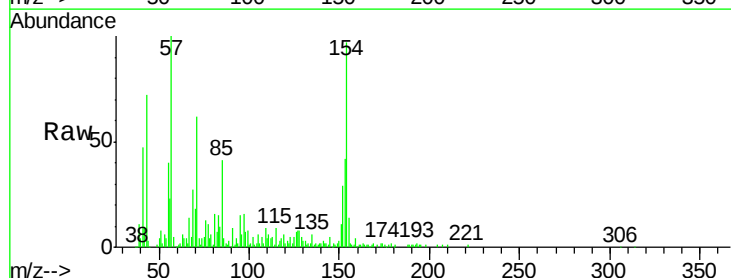
Instrument :
 BNA_G
 ClientSampleID :
 C01Z0

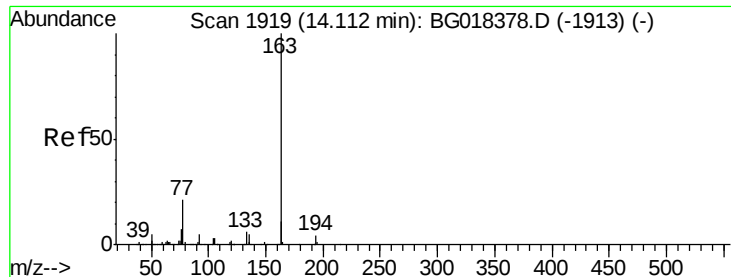
Tgt Ion:142 Resp: 365490
 Ion Ratio Lower Upper
 142 100
 141 97.2 77.1 115.7
 116 4.5 3.5 5.3



#41
 1,1'-Biphenyl
 Concen: 2.66 ng/ul
 RT: 13.50 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

Tgt Ion:154 Resp: 74869
 Ion Ratio Lower Upper
 154 100
 153 43.8 35.2 52.8
 76 13.5 10.6 16.0





#45

Dimethylphthalate

Concen: 3.73 ng/ul

RT: 14.11 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

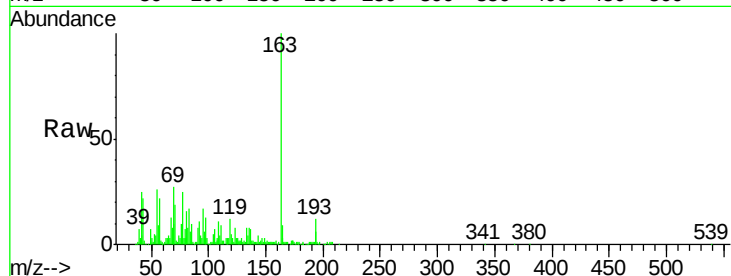
Tgt Ion:163 Resp: 104666

Ion Ratio Lower Upper

163 100

194 5.7 2.9 4.3#

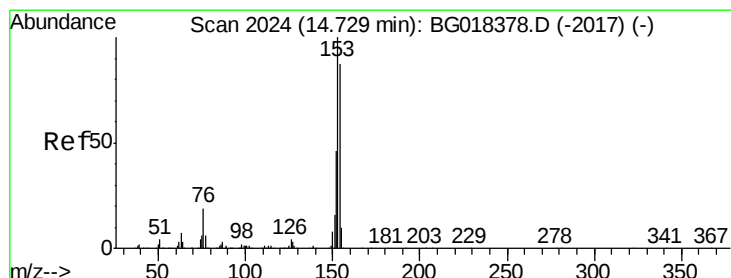
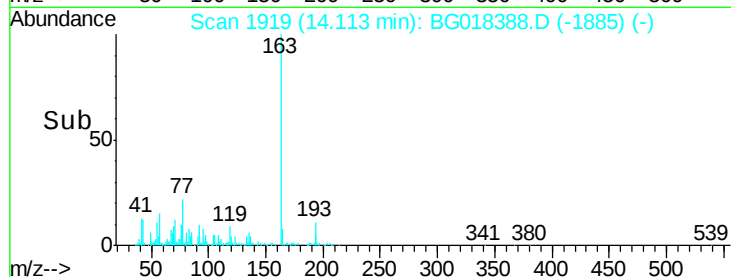
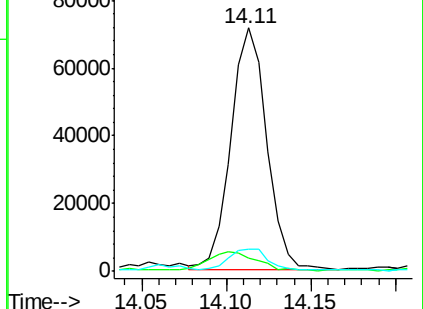
164 9.0 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.81 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

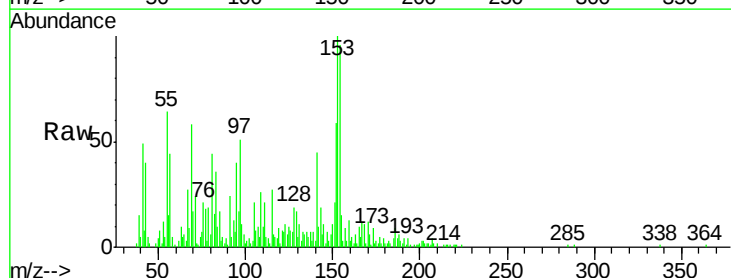
Tgt Ion:153 Resp: 45487

Ion Ratio Lower Upper

153 100

152 59.2 38.2 57.4#

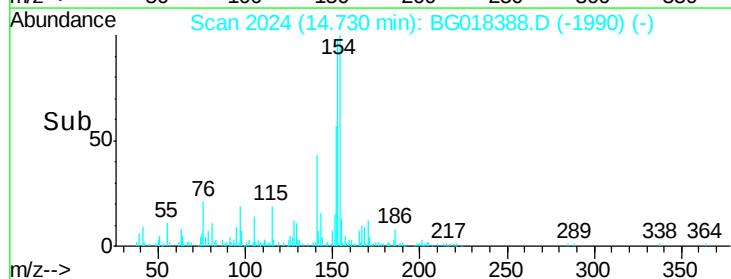
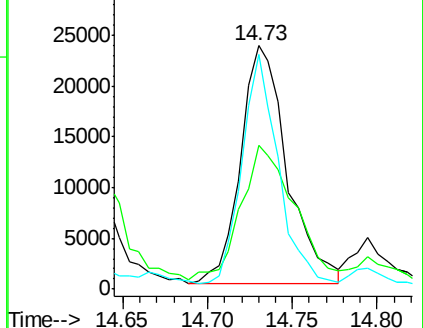
154 96.3 68.6 103.0

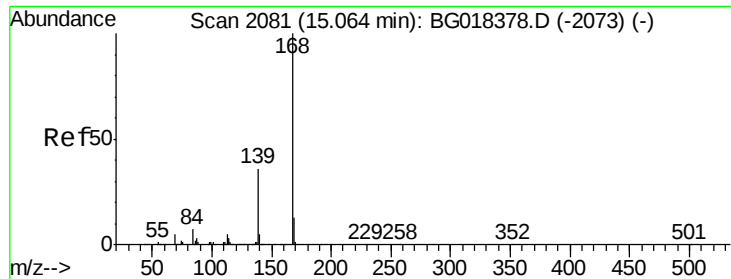


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.31 ng/ul

RT: 15.06 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

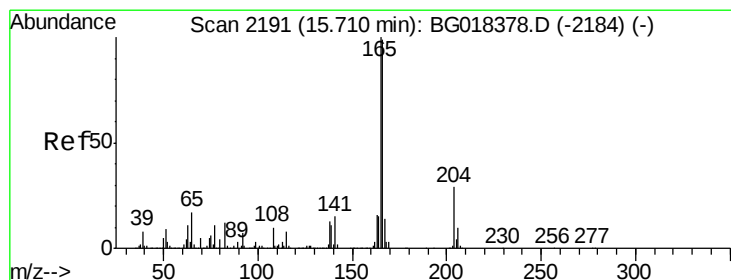
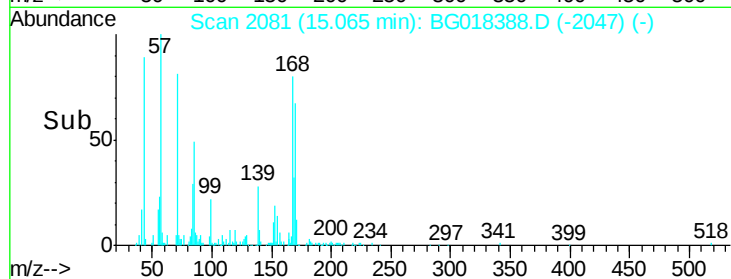
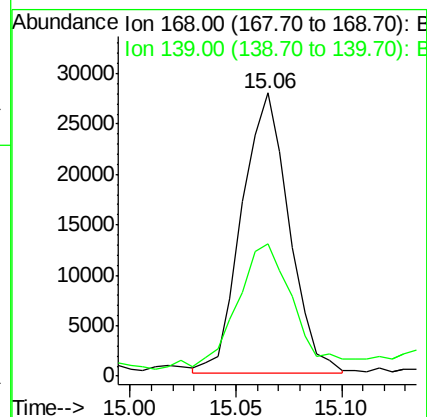
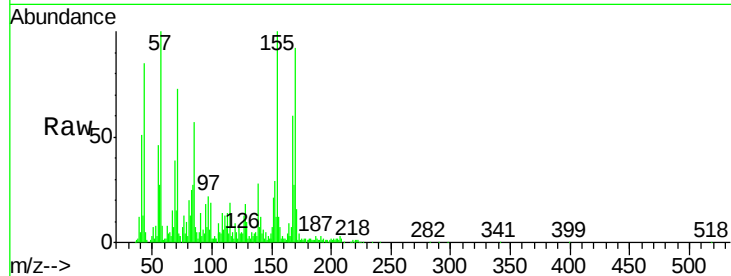
C01Z0

Tgt Ion:168 Resp: 43200

Ion Ratio Lower Upper

168 100

139 47.0 29.7 44.5#



#59

Fluorene

Concen: 2.10 ng/ul

RT: 15.71 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

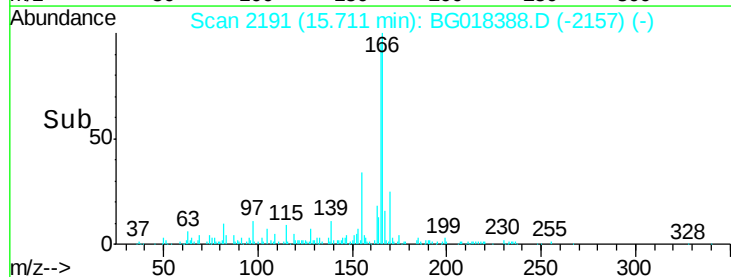
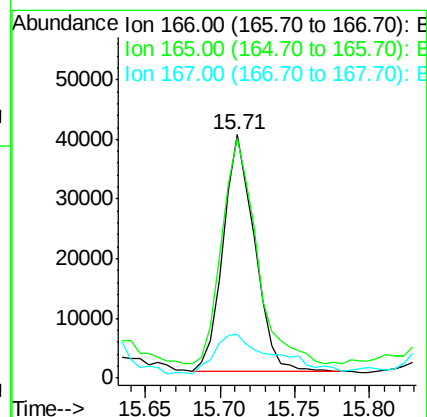
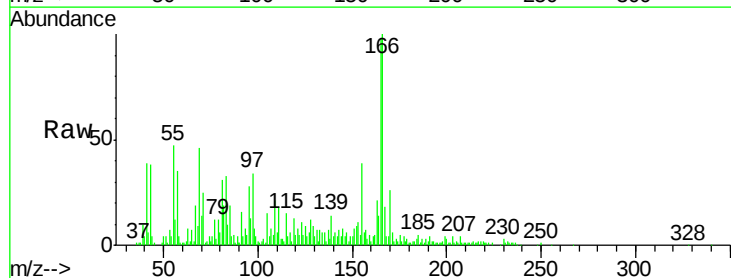
Tgt Ion:166 Resp: 59392

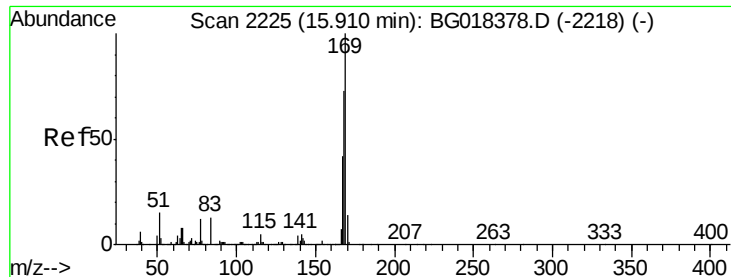
Ion Ratio Lower Upper

166 100

165 98.4 82.6 124.0

167 17.8 11.4 17.0#

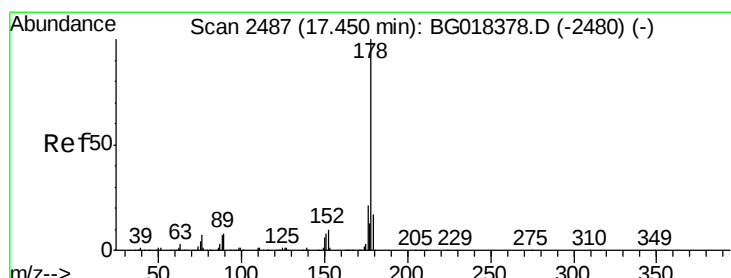
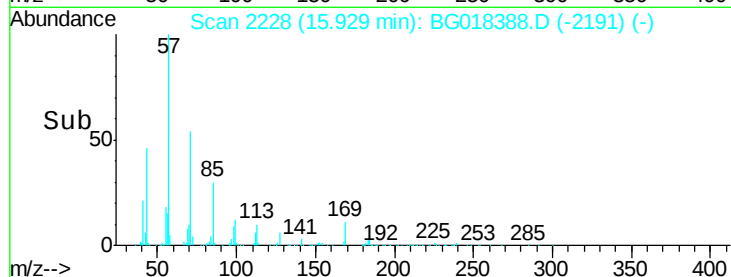
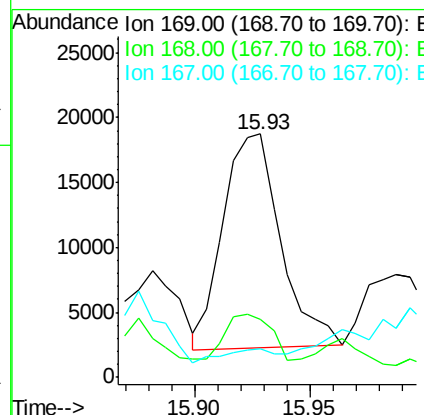
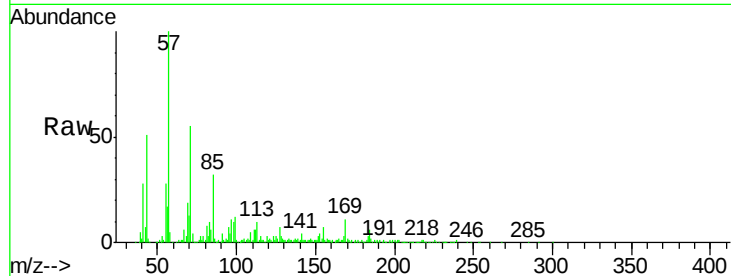




#65
N-Nitrosodiphenylamine
Concen: 1.43 ng/ul
RT: 15.93 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

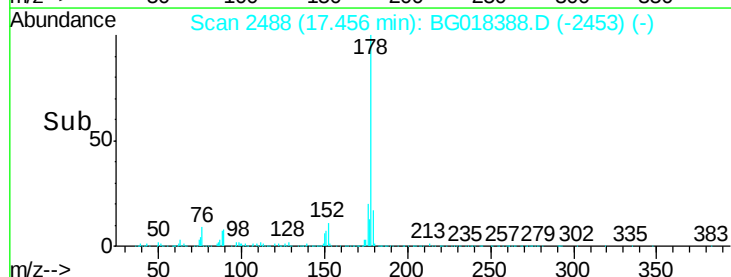
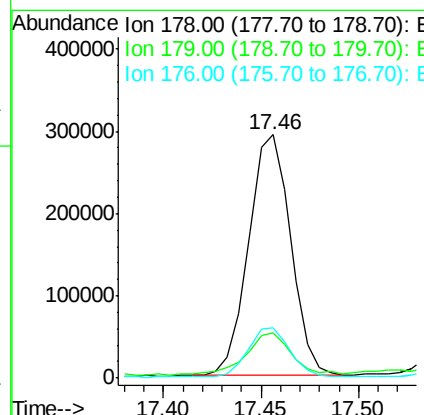
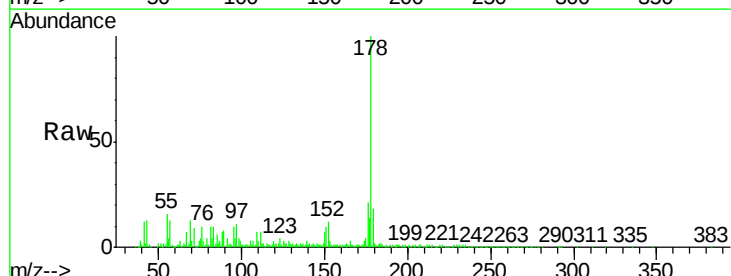
Instrument :
BNA_G
ClientSampleId :
C01Z0

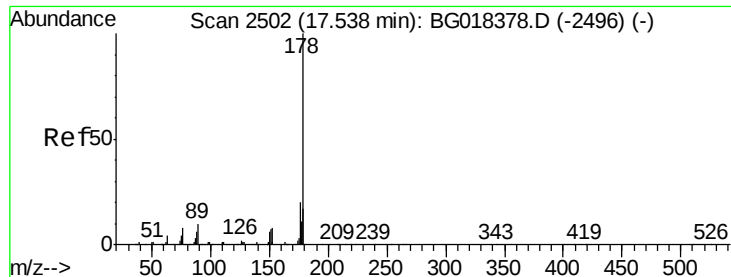
Tgt Ion	Resp	Lower	Upper
169	100		
168	23.6	60.2	90.2#
167	11.9	33.4	50.2#



#70
Phenanthrene
Concen: 12.14 ng/ul
RT: 17.46 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Resp	Lower	Upper
178	100		
179	18.5	13.7	20.5
176	20.6	16.6	24.8





#72

Anthracene

Concen: 11.94 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. -0.08 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

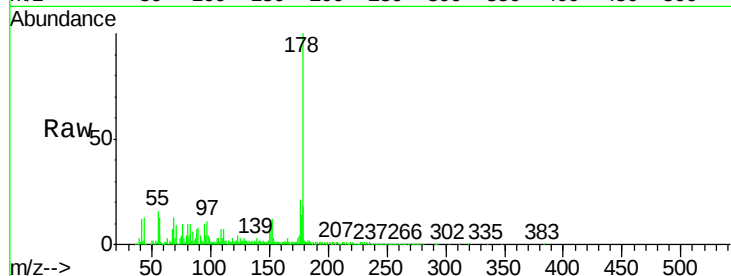
Tgt Ion:178 Resp: 439476

Ion Ratio Lower Upper

178 100

179 18.5 13.0 19.4

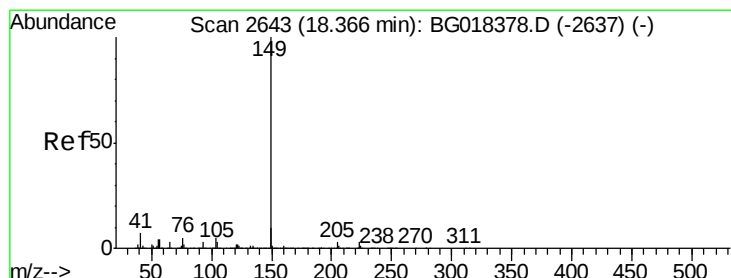
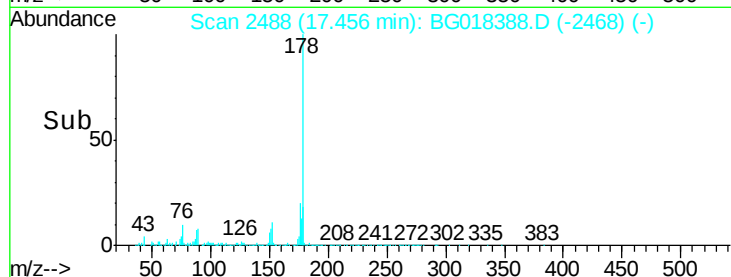
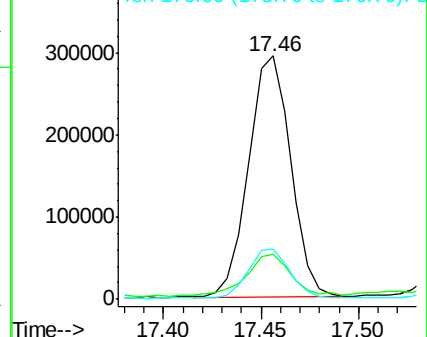
176 20.6 16.0 24.0



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



#76

Di-n-butylphthalate

Concen: 1.18 ng/ul

RT: 18.37 min Scan# 2644

Delta R.T. 0.01 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

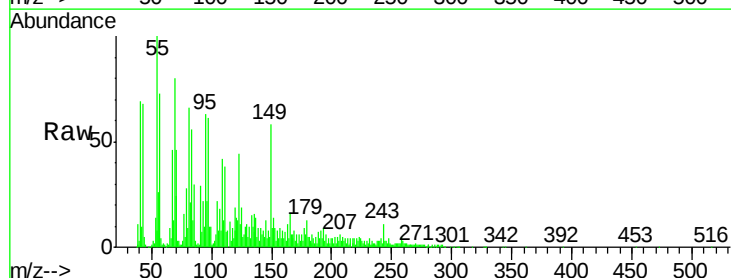
Tgt Ion:149 Resp: 49793

Ion Ratio Lower Upper

149 100

150 15.7 7.5 11.3#

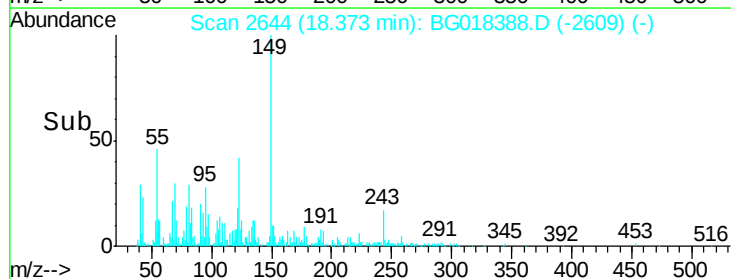
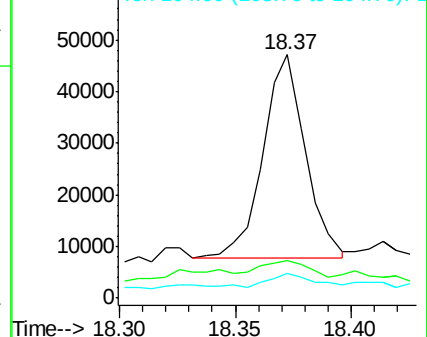
104 10.0 4.3 6.5#

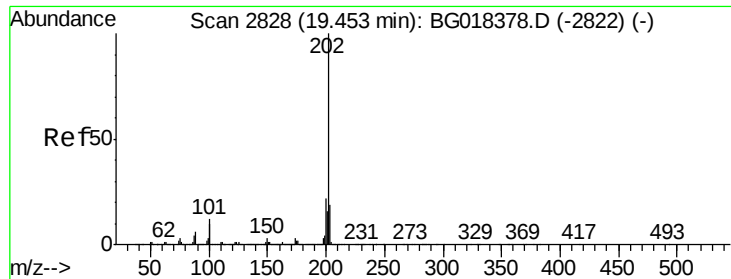


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

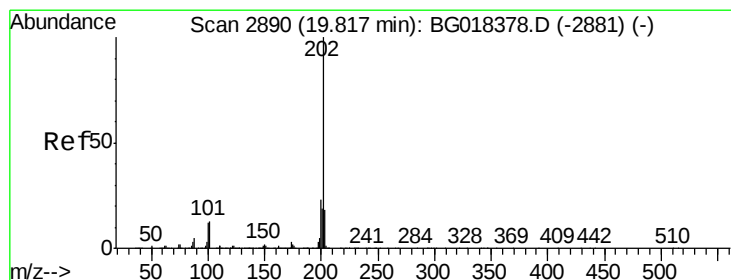
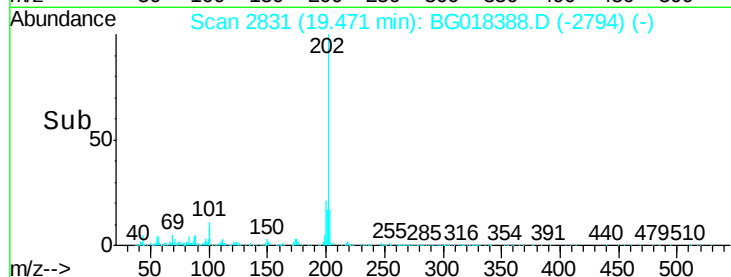
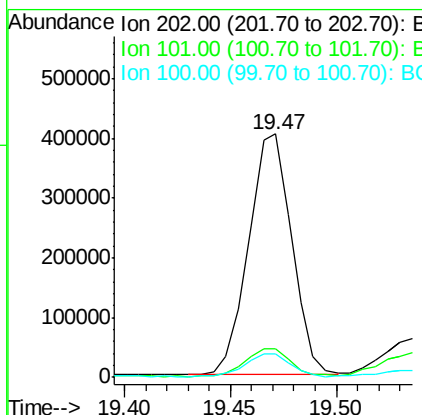
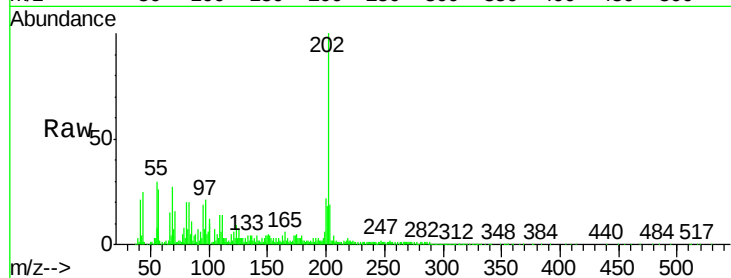




#77
 Fluoranthene
 Concen: 14.79 ng/ul
 RT: 19.47 min Scan# 2831
 Delta R.T. 0.02 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

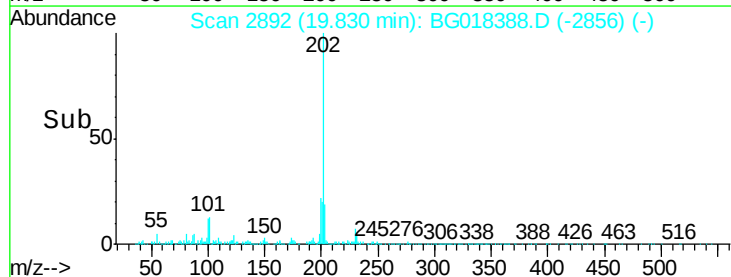
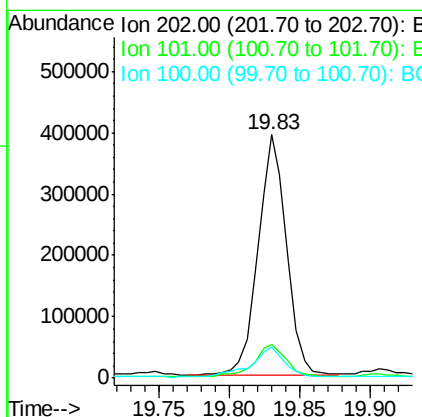
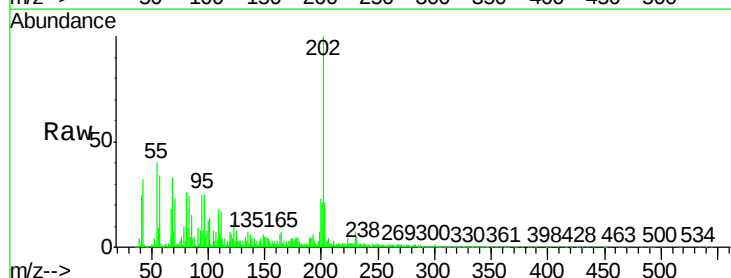
Instrument :
 BNA_G
 ClientSampleId :
 C01Z0

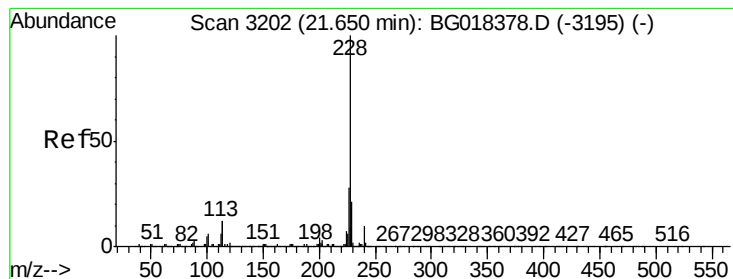
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.7	14.5
100	9.5	7.8	11.8



#80
 Pyrene
 Concen: 15.02 ng/ul
 RT: 19.83 min Scan# 2892
 Delta R.T. 0.01 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.0	16.4
100	12.5	9.8	14.6





#83

Benzo(a)anthracene

Concen: 5.62 ng/ul

RT: 21.67 min Scan# 3206

Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampled :

C01Z0

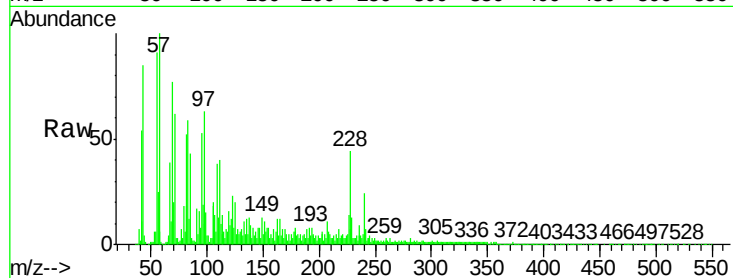
Tgt Ion:228 Resp: 189474

Ion Ratio Lower Upper

228 100

229 29.0 15.5 23.3#

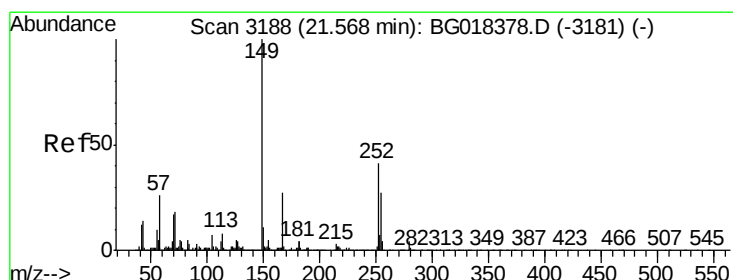
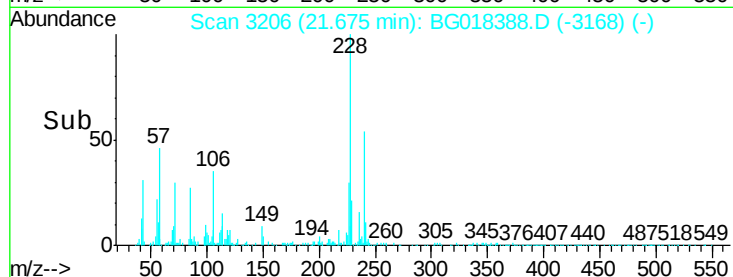
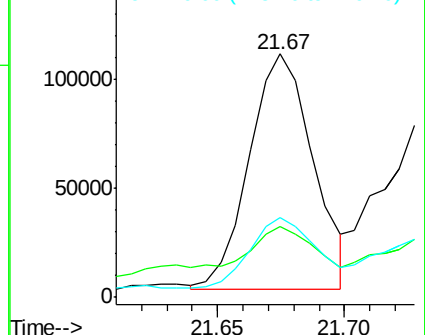
226 32.7 22.1 33.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.60 ng/ul

RT: 21.59 min Scan# 3191

Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

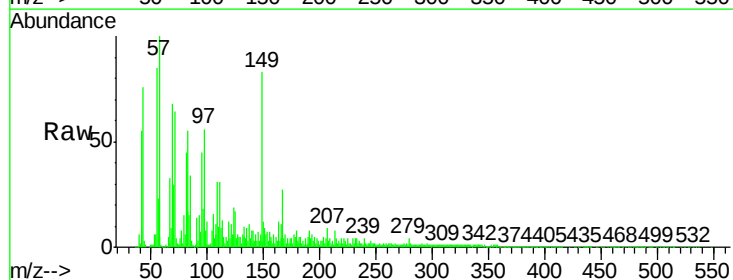
Tgt Ion:149 Resp: 298712

Ion Ratio Lower Upper

149 100

167 33.1 22.2 33.2

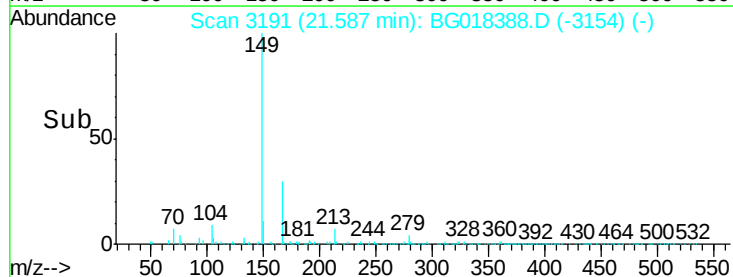
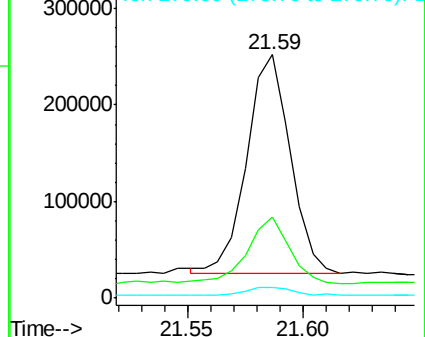
279 4.6 2.8 4.2#

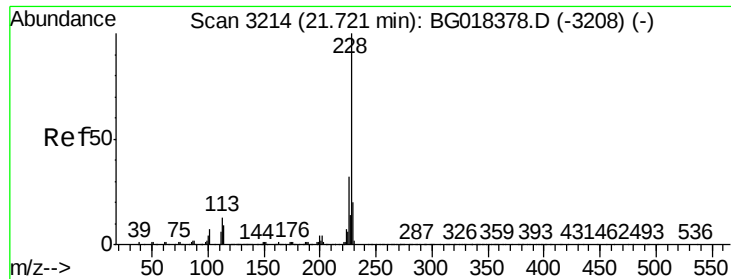


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 8.45 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

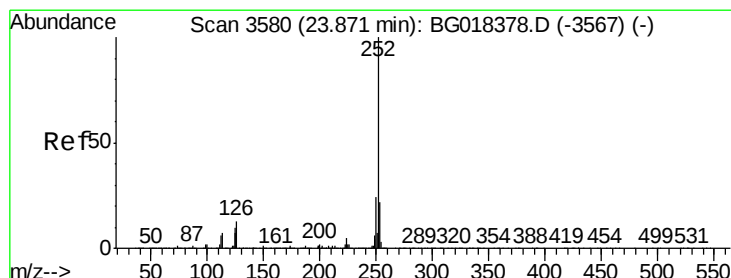
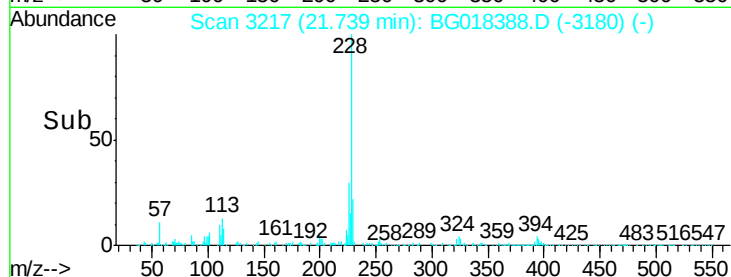
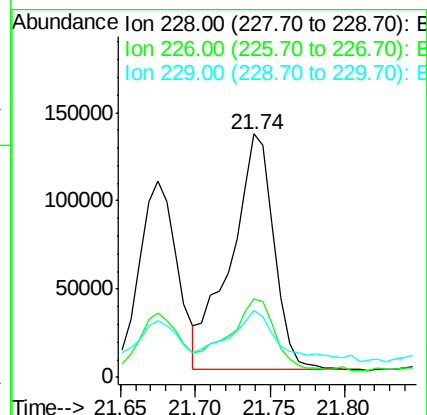
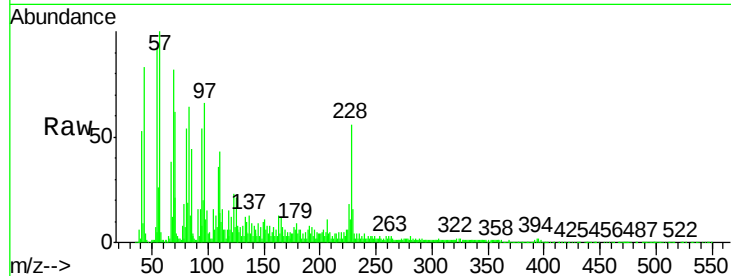
Tgt Ion: 228 Resp: 266144

Ion Ratio Lower Upper

228 100

226 32.3 26.5 39.7

229 27.7 16.9 25.3#



#88

Benzo(b)fluoranthene

Concen: 9.67 ng/ul

RT: 23.92 min Scan# 3588

Delta R.T. 0.05 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

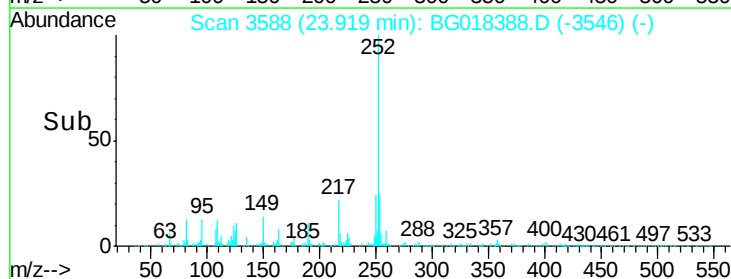
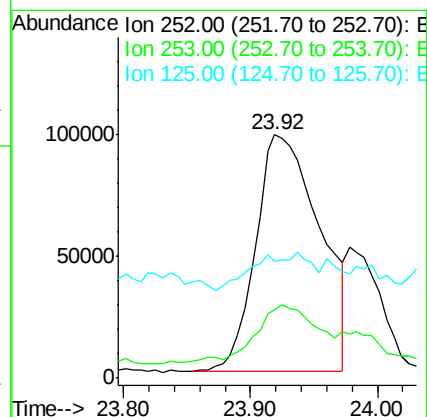
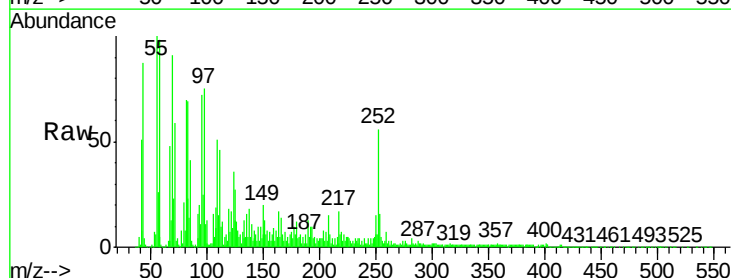
Tgt Ion: 252 Resp: 343304

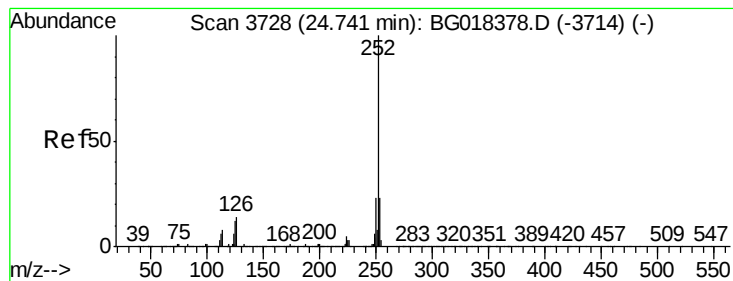
Ion Ratio Lower Upper

252 100

253 28.1 18.1 27.1#

125 47.9 8.3 12.5#





#91

Benzo(a)pyrene

Concen: 4.36 ng/ul

RT: 24.80 min Scan# 3738

Delta R.T. 0.06 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

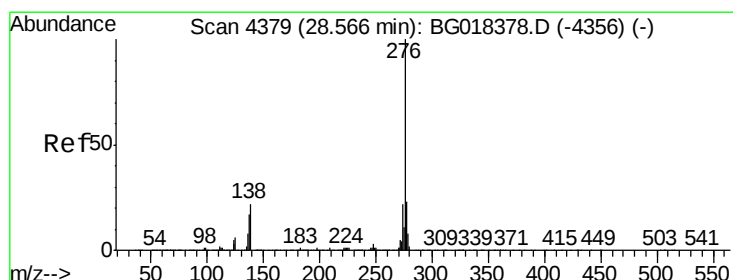
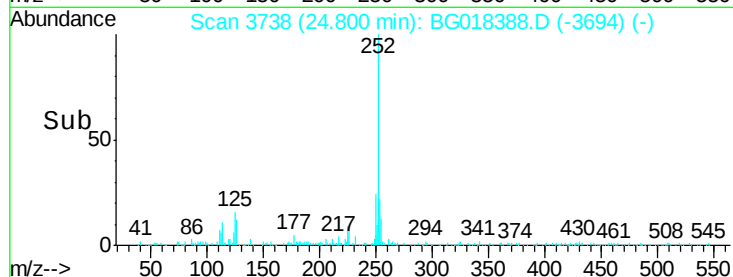
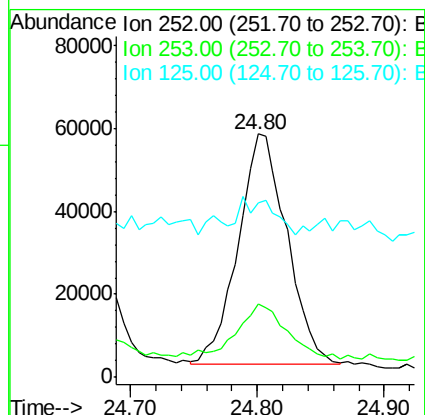
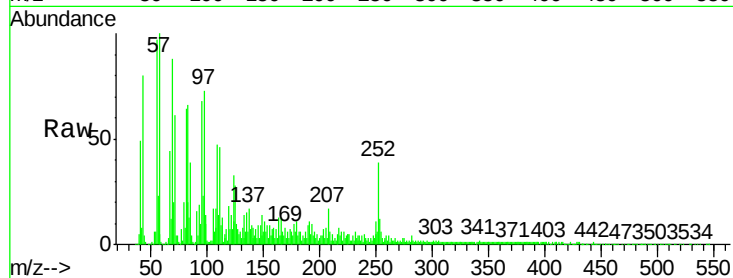
Tgt Ion:252 Resp: 147119

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

125 71.9 10.2 15.2#



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.32 ng/ul

RT: 28.67 min Scan# 4396

Delta R.T. 0.10 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Tgt Ion:276 Resp: 129794

Ion Ratio Lower Upper

276 100

138 38.2 15.8 23.6#

277 29.9 18.9 28.3#

