

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072315\
 Data File : BG018080.D
 Acq On : 24 Jul 2015 00:23
 Operator : TP/UM
 Sample : G3035-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 24 01:35:00 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:33:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	56303	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	278510	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	181483	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	372080	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	382074	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	386886	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2269	2.52	ng/uL	0.00
5) Phenol-d5	6.69	99	65004	14.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	33008	15.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	60173	15.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	57395	14.90	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	33949	15.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	36520	15.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	63350	15.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	62622	13.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	196079	15.39	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	251177	16.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	34192	12.76	ng/ul	0.00
58) Fluorene-d10	15.18	176	181832	15.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	23663	9.95	ng/ul	0.00
71) Anthracene-d10	17.03	188	261095	16.20	ng/ul	0.00
79) Pyrene-d10	19.34	212	260052	14.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	245802	13.31	ng/ul	0.00

Target Compounds

					Ovalue
14) Acetophenone	8.33	105	23684	4.36 ng/ul	88
28) Naphthalene	10.34	128	58790	4.51 ng/ul	99
30) 4-Chloroaniline	10.34	127	8284	1.71 ng/ul#	1
34) 2-Methylnaphthalene	11.97	142	48929	4.97 ng/ul	97
35) 1-Methylnaphthalene	12.19	142	36522	3.80 ng/ul	96
41) 1,1'-Biphenyl	13.00	154	19150	1.54 ng/ul	94
45) Dimethylphthalate	13.64	163	57317	4.47 ng/ul	98
50) Acenaphthene	14.24	153	169180	15.72 ng/ul	98
54) Dibenzofuran	14.58	168	159841	10.45 ng/ul	98
59) Fluorene	15.24	166	189335	14.38 ng/ul	98
70) Phenanthrene	17.07	178	584991	31.29 ng/ul	99
72) Anthracene	17.07	178	585453	30.84 ng/ul	100
75) Carbazole	17.34	167	218368	13.28 ng/ul	99
77) Fluoranthene	19.01	202	2096286	105.26 ng/ul#	94
80) Pyrene	19.38	202	2289310	104.63 ng/ul#	91
83) Benzo(a)anthracene	21.13	228	1273289	63.01 ng/ul	91
85) Chrysene	21.18	228	1261922	66.32 ng/ul#	89
88) Benzo(b)fluoranthene	22.68	252	1435166	67.71 ng/ul	98
89) Benzo(k)fluoranthene	22.68	252	1435166	69.96 ng/ul	97
91) Benzo(a)pyrene	23.25	252	1078358	52.53 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.54	276	619972	26.18 ng/ul	95
93) Dibenzo(a,h)anthracene	25.55	278	189323	9.36 ng/ul#	78
94) Benzo(g,h,i)perylene	26.22	276	581411	29.71 ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 24 01:33:04 2015
Response via : Initial Calibration

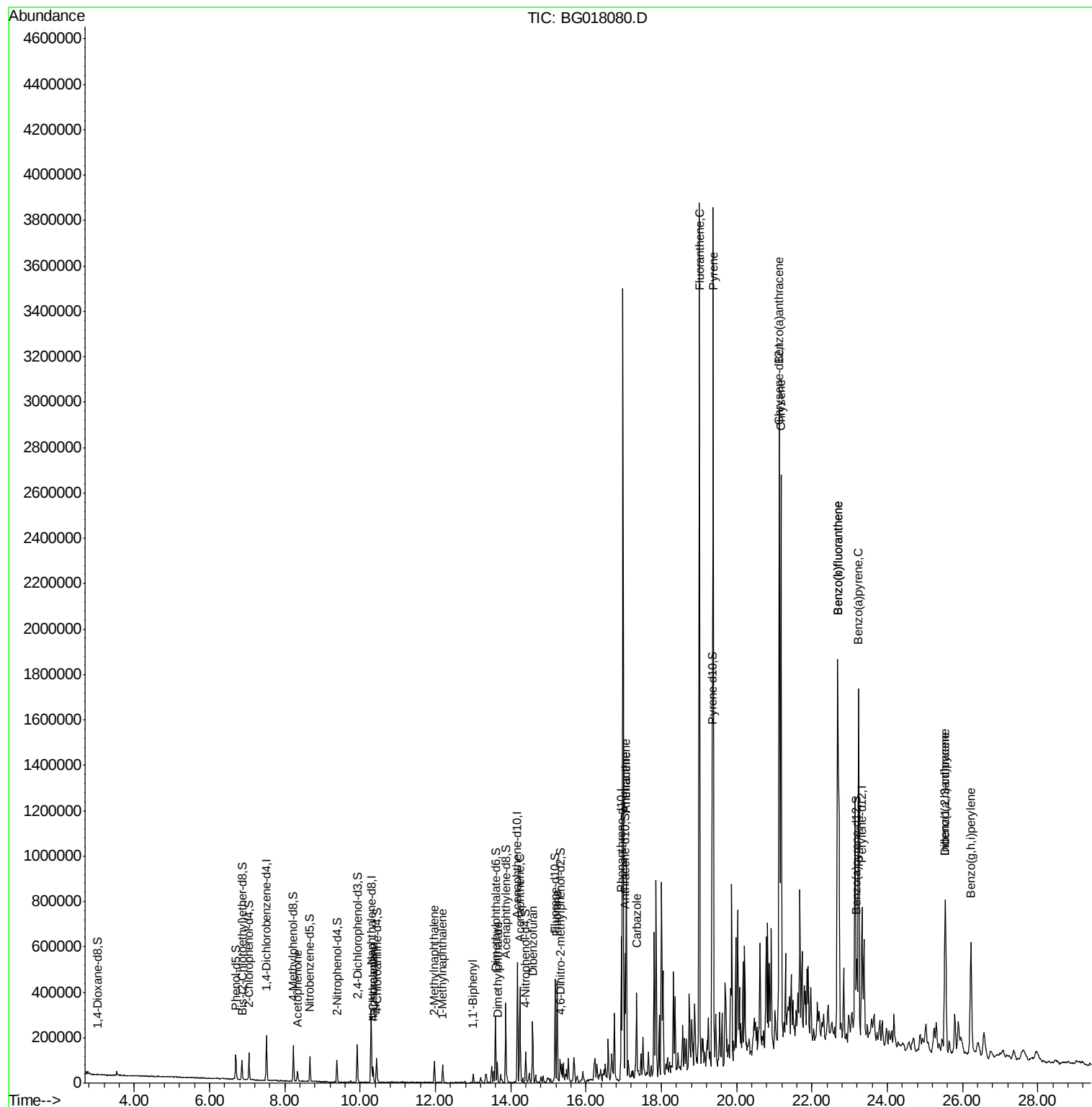
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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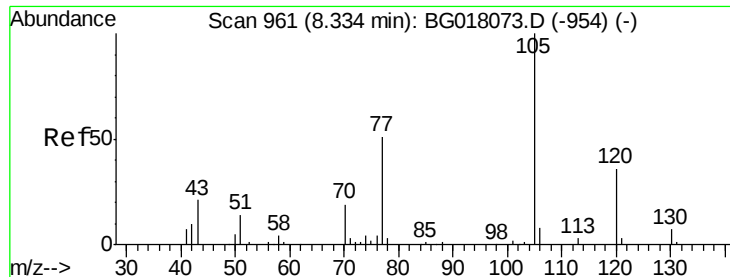
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 4.36 ng/ul

RT: 8.33 min Scan# 961

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

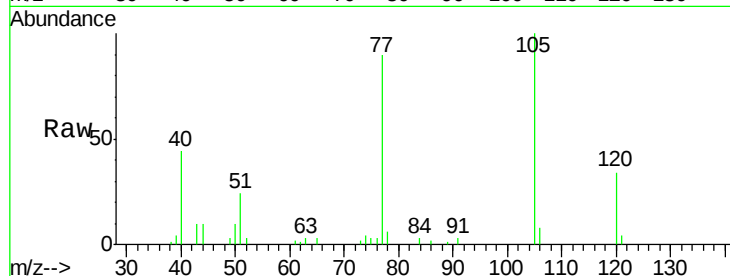
Tot Ion:105 Resp: 23684

Ion Ratio Lower Upper

105 100

77 89.6 61.7 92.5

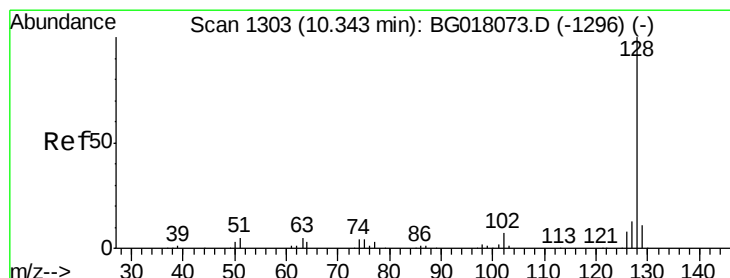
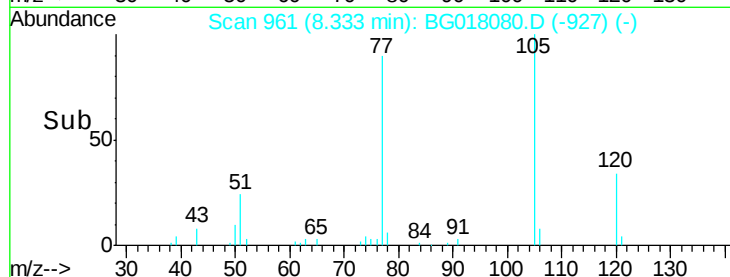
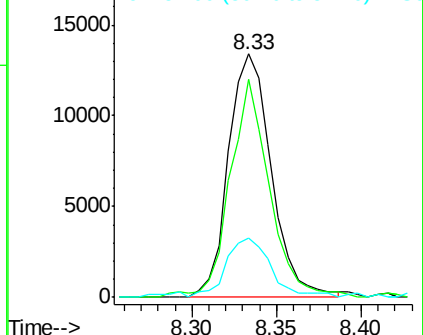
51 24.4 18.1 27.1



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



#28

Naphthalene

Concen: 4.51 ng/ul

RT: 10.34 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

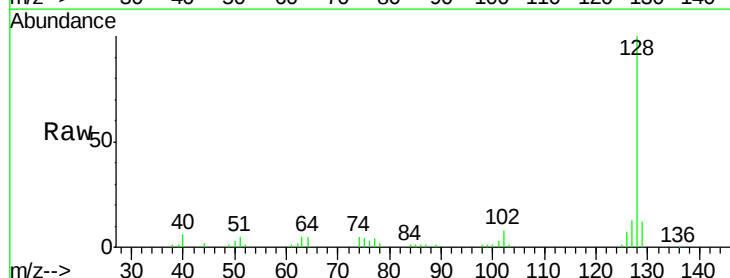
Tgt Ion:128 Resp: 58790

Ion Ratio Lower Upper

128 100

129 12.1 9.5 14.3

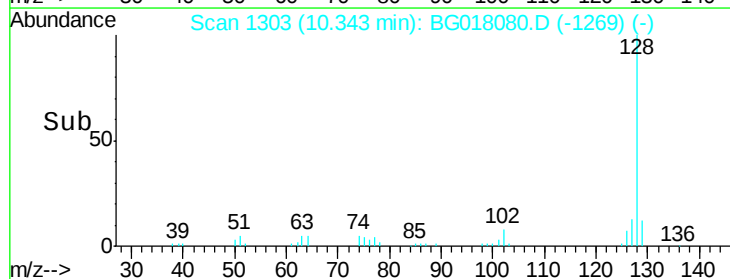
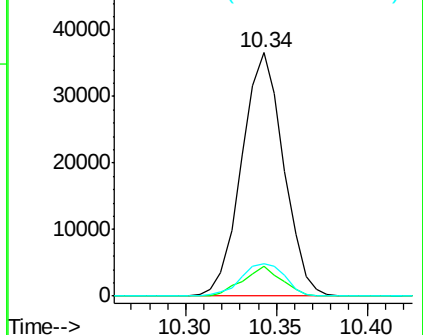
127 13.4 10.1 15.1

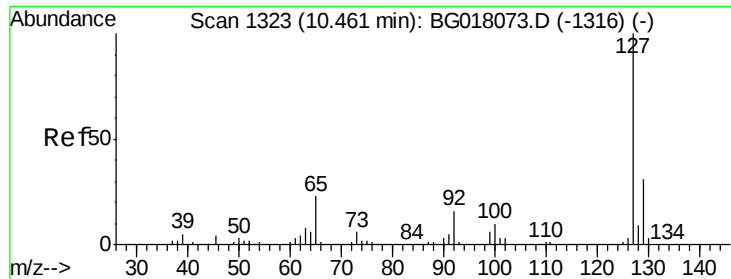


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

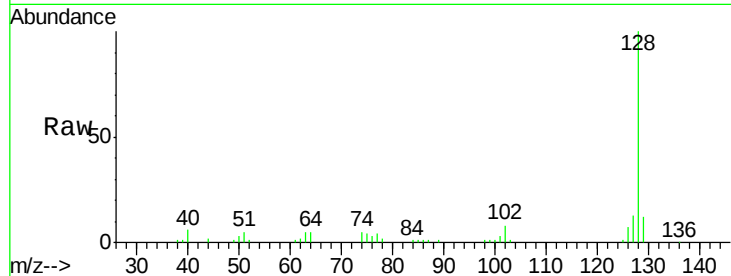




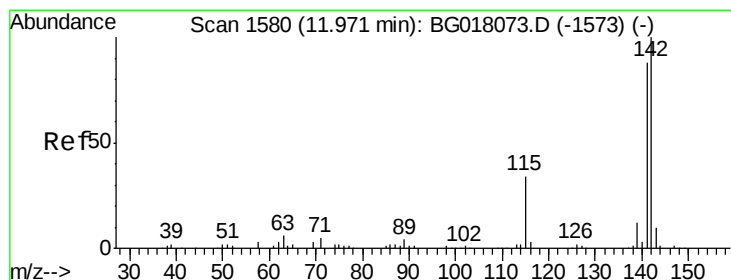
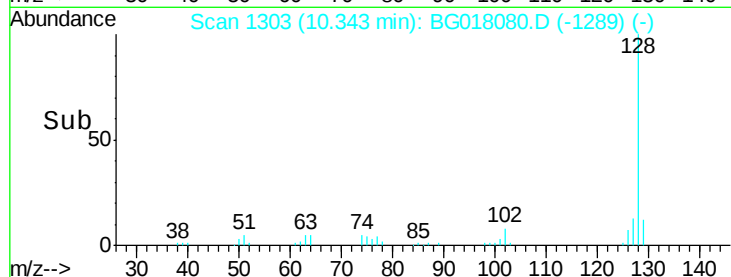
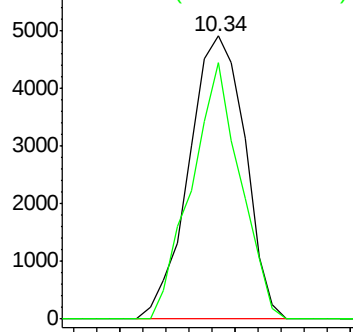
#30
4-Chloroaniline
Concen: 1.71 ng/ul
RT: 10.34 min Scan# 1303
Delta R.T. -0.12 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 8284
Ion Ratio Lower Upper
127 100
129 90.6 24.7 37.1#

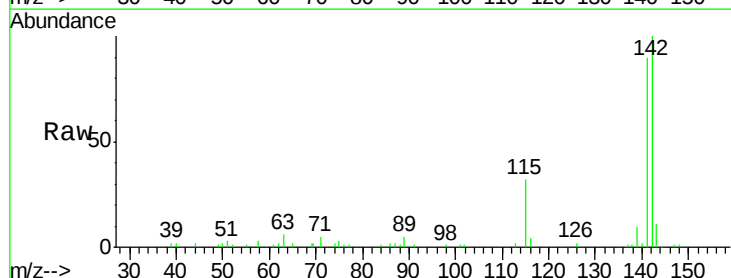


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

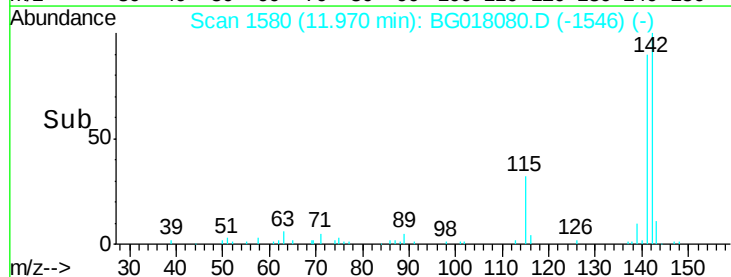
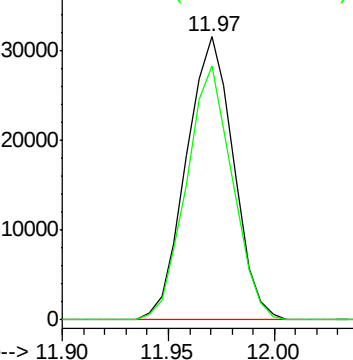


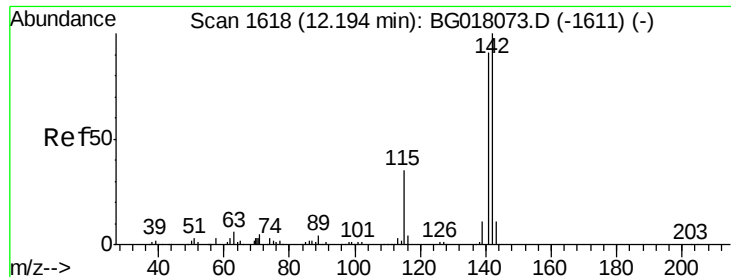
#34
2-Methylnaphthalene
Concen: 4.97 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion:142 Resp: 48929
Ion Ratio Lower Upper
142 100
141 89.7 69.4 104.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

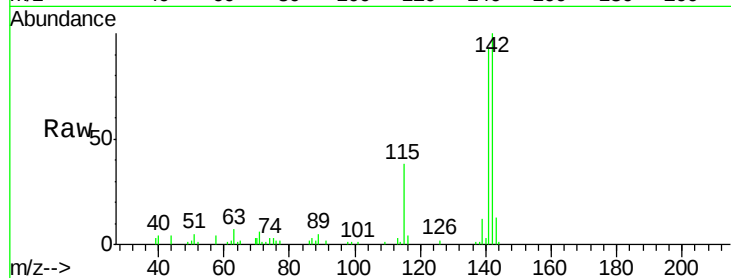




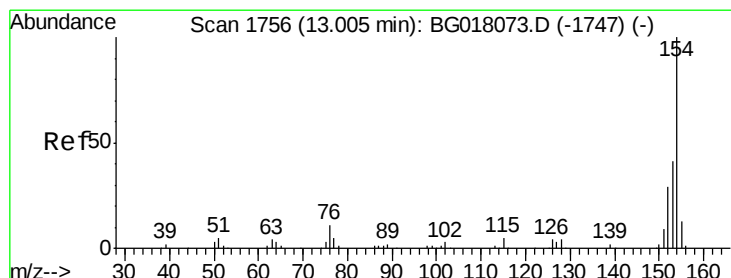
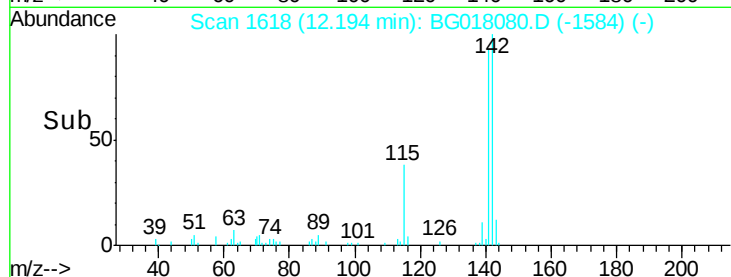
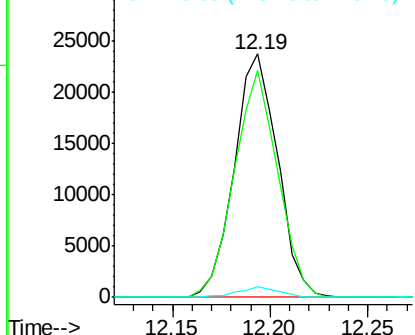
#35
 1-Methylnaphthalene
 Concen: 3.80 ng/ul
 RT: 12.19 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:142 Resp: 36522
 Ion Ratio Lower Upper
 142 100
 141 93.2 71.8 107.6
 116 4.5 3.2 4.8

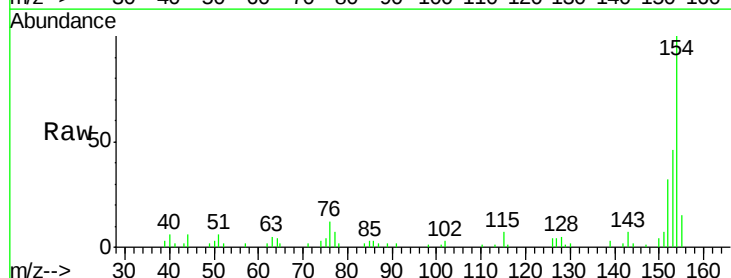


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

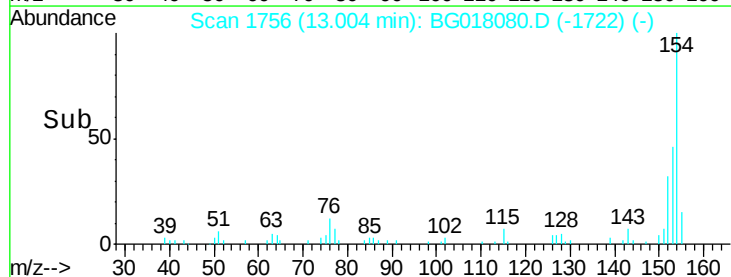
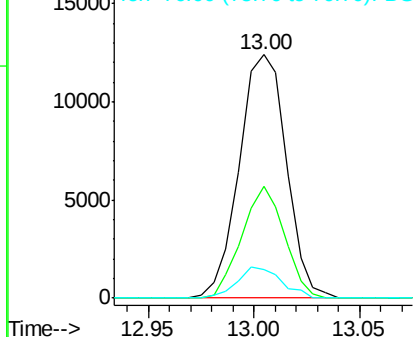


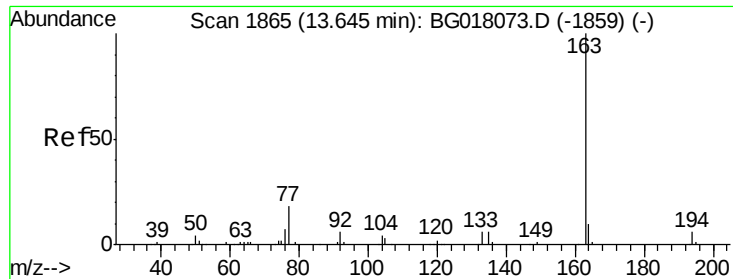
#41
 1,1'-Biphenyl
 Concen: 1.54 ng/ul
 RT: 13.00 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Tgt Ion:154 Resp: 19150
 Ion Ratio Lower Upper
 154 100
 153 45.8 33.1 49.7
 76 11.7 9.7 14.5



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): BG





#45

Dimethylphthalate

Concen: 4.47 ng/ul

RT: 13.64 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BG018080.D

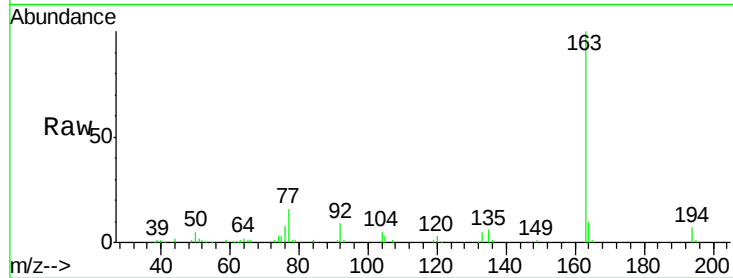
Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

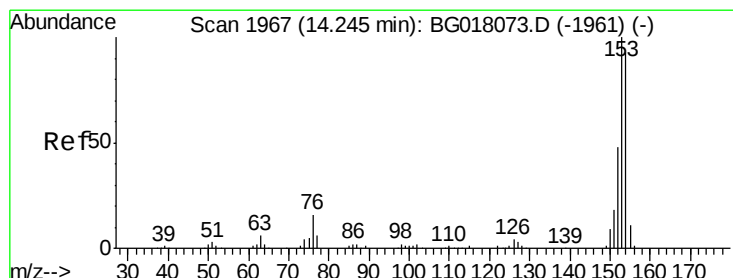
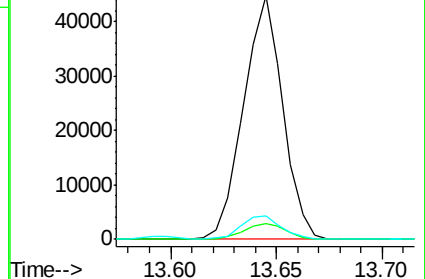
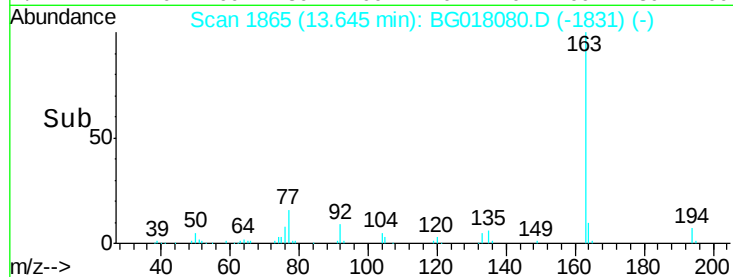
Tot Ion:163	Resp:	57317
Ion Ratio	Lower	Upper
163	100	
194	6.7	5.4 8.2
164	9.7	8.7 13.1



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: 15.72 ng/ul

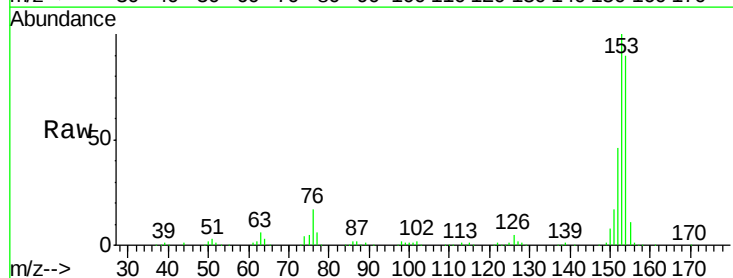
RT: 14.24 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

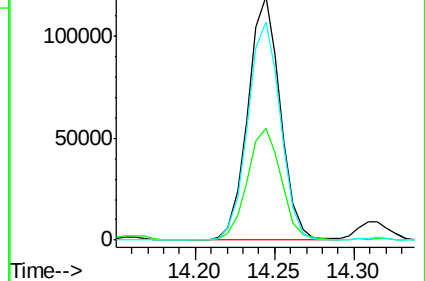
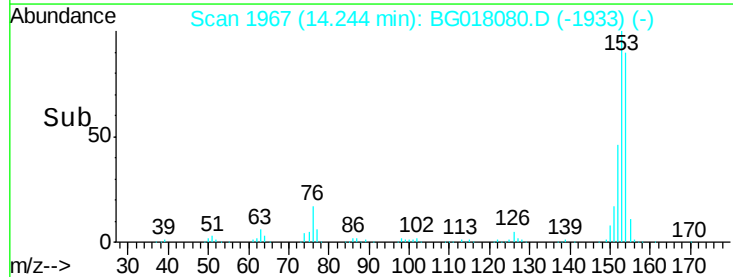
Tgt Ion:153	Resp:	169180
Ion Ratio	Lower	Upper
153	100	
152	45.7	38.9 58.3
154	89.8	72.6 108.8

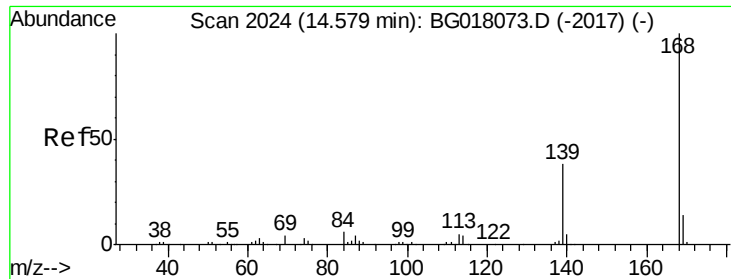


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

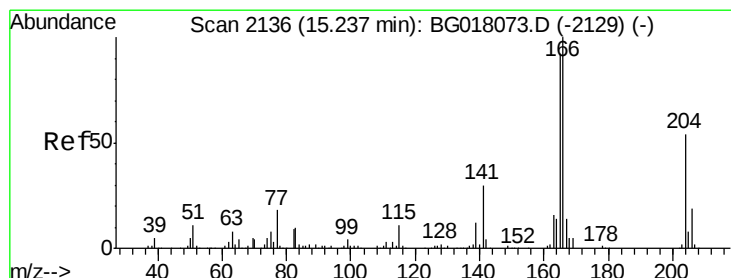
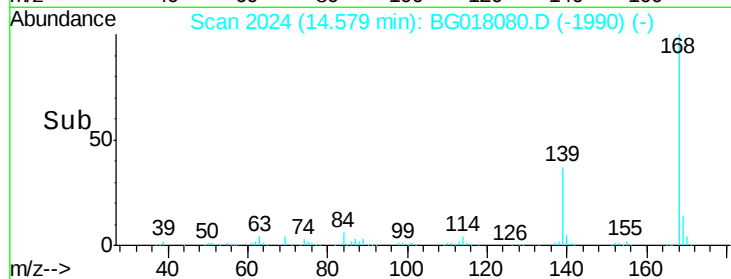
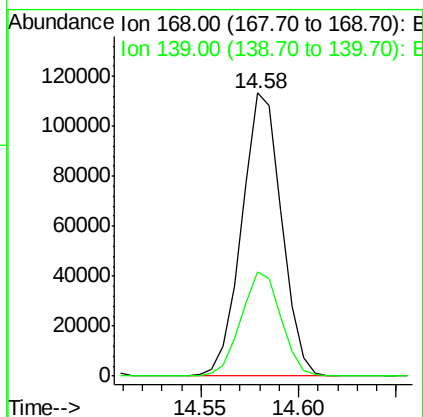
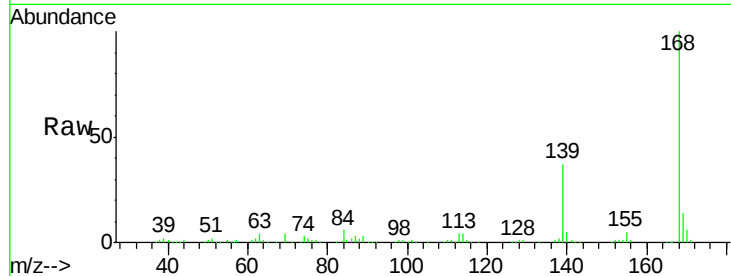




#54
Dibenzenofuran
Concen: 10.45 ng/ul
RT: 14.58 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

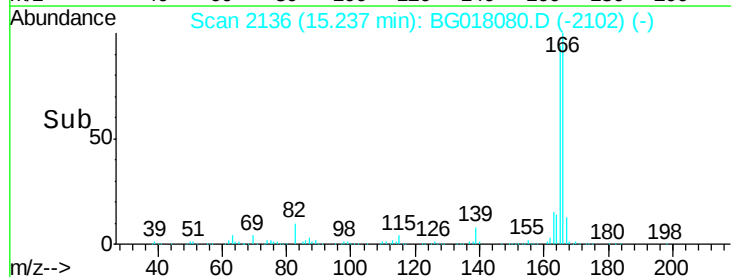
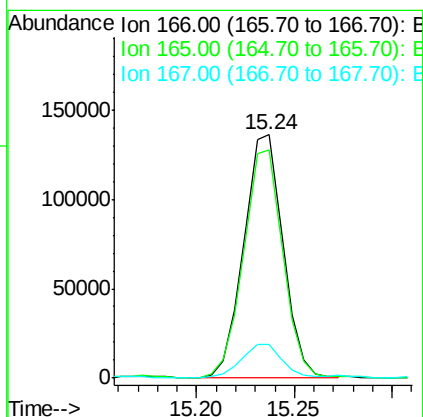
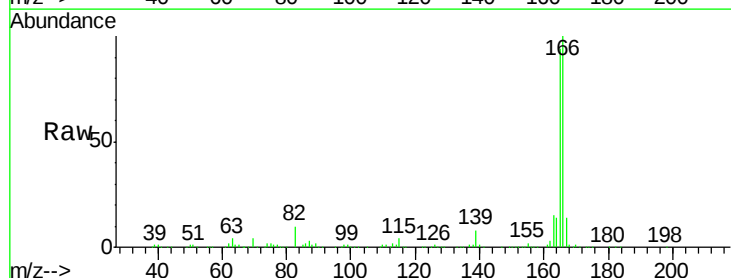
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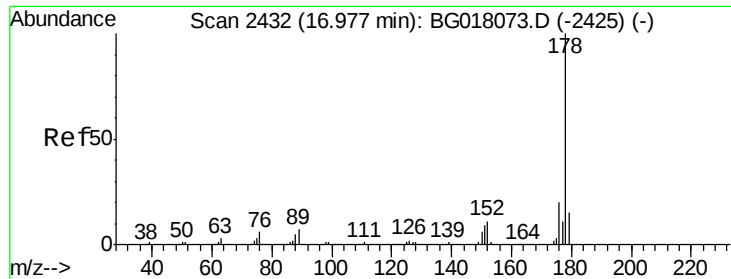
Tot Ion:168 Resp: 159841
Ion Ratio Lower Upper
168 100
139 36.8 30.6 46.0



#59
Fluorene
Concen: 14.38 ng/ul
RT: 15.24 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion:166 Resp: 189335
Ion Ratio Lower Upper
166 100
165 93.8 73.6 110.4
167 13.7 10.8 16.2

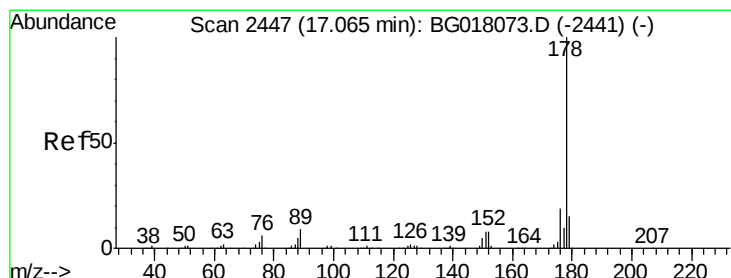
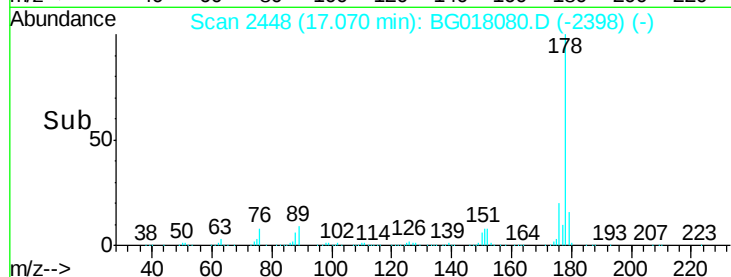
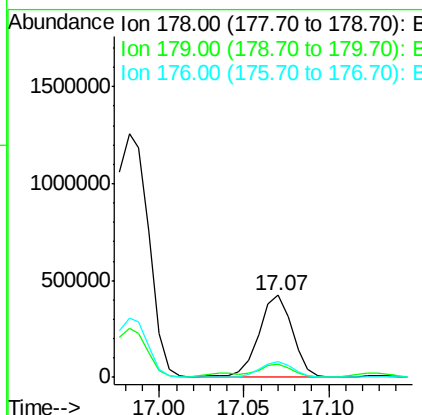
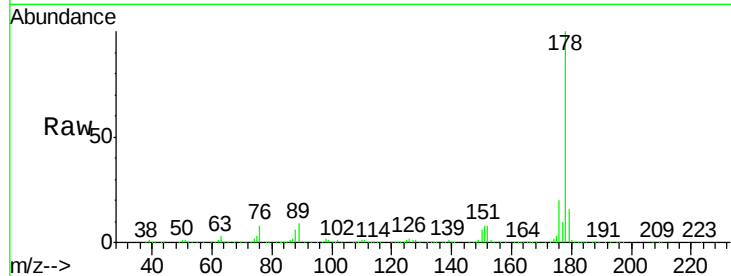




#70
 Phenanthrene
 Concen: 31.29 ng/ul
 RT: 17.07 min Scan# 2448
 Delta R.T. 0.09 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

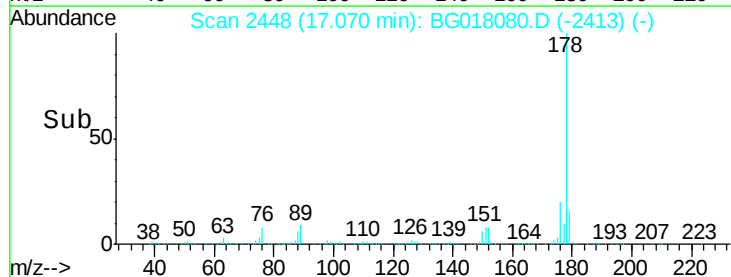
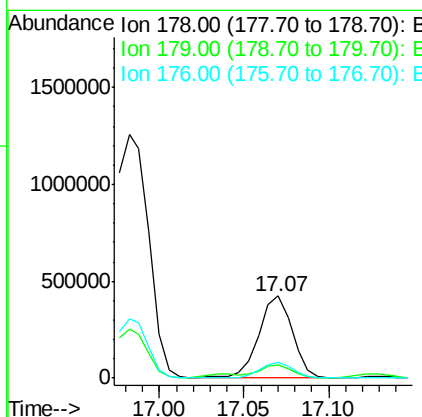
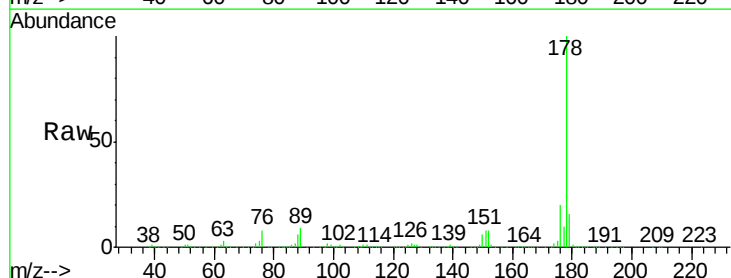
Instrument :
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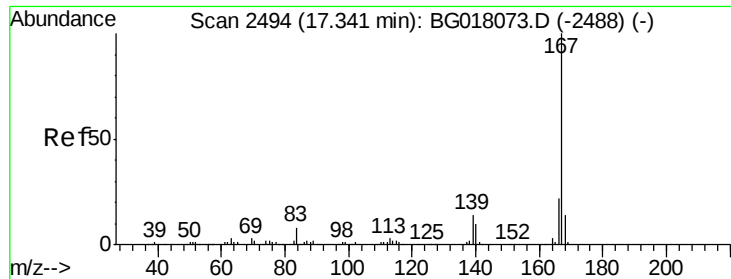
Tot Ion:178 Resp: 584991
 Ion Ratio Lower Upper
 178 100
 179 15.9 13.0 19.6
 176 19.7 15.8 23.8



#72
 Anthracene
 Concen: 30.84 ng/ul
 RT: 17.07 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Tgt Ion:178 Resp: 585453
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.4 18.6
 176 19.7 15.8 23.8





#75

Carbazole

Concen: 13.28 ng/ul

RT: 17.34 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

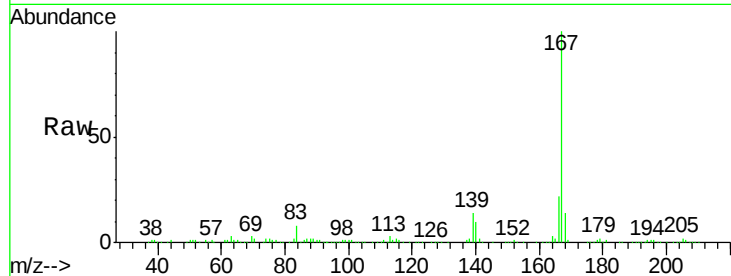
Tot Ion:167 Resp: 218368

Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.2

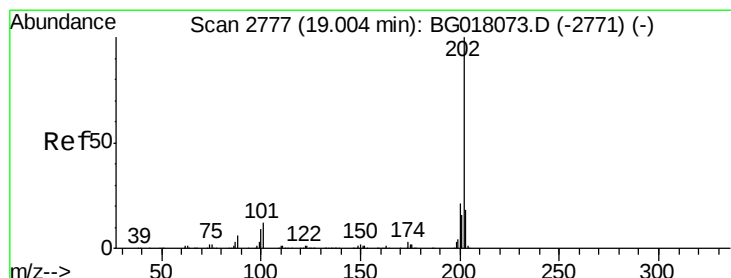
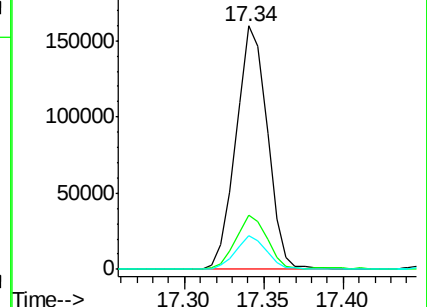
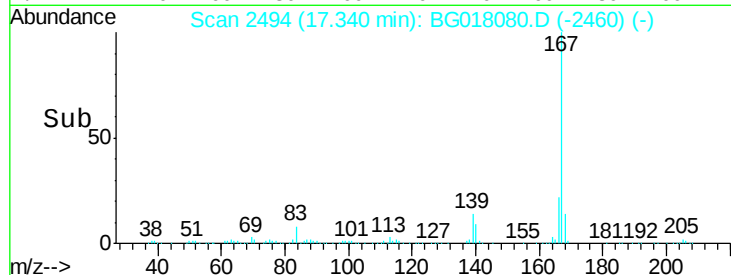
139 13.9 10.6 15.8



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: 105.26 ng/ul

RT: 19.01 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

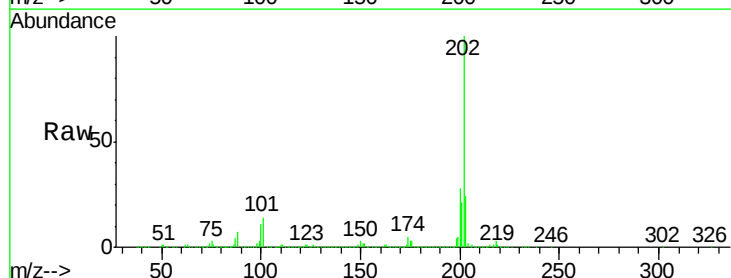
Tgt Ion:202 Resp: 2096286

Ion Ratio Lower Upper

202 100

101 14.4 9.1 13.7#

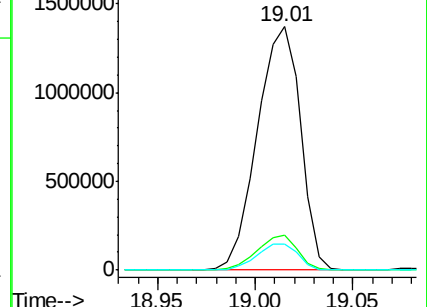
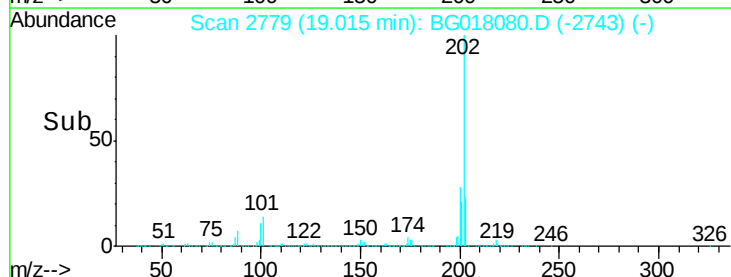
100 10.8 7.5 11.3

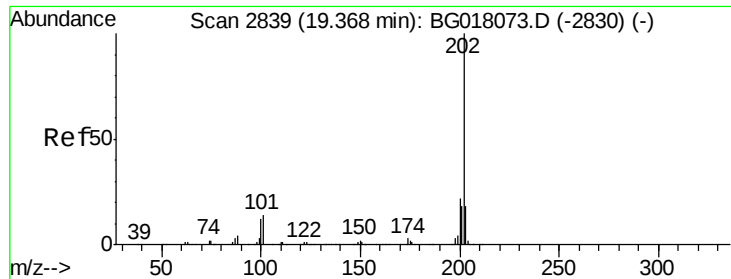


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

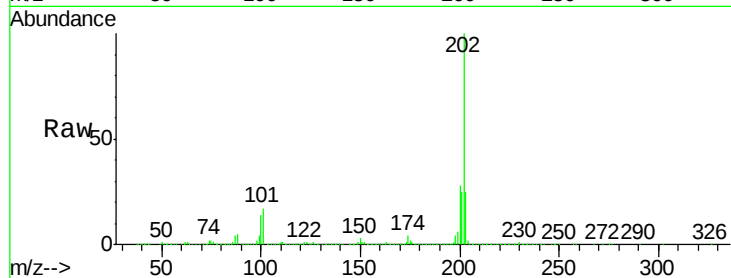




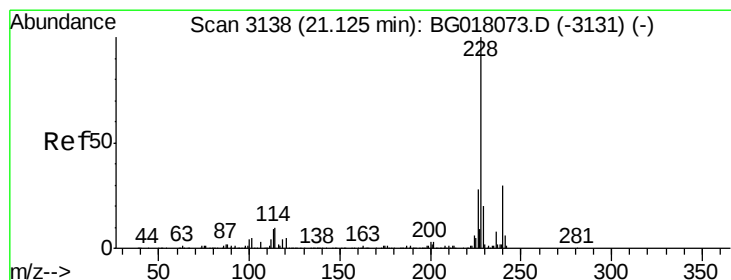
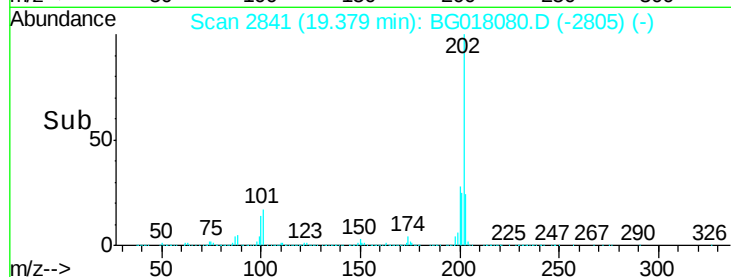
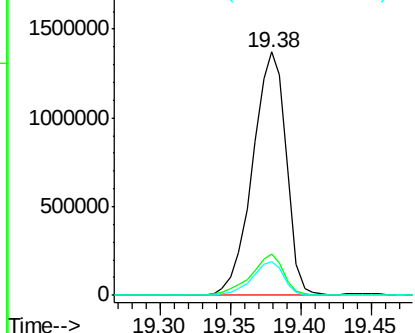
#80
Pvrene
Concen: 104.63 ng/ul
RT: 19.38 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 2289310
Ion Ratio Lower Upper
202 100
101 17.1 10.9 16.3#
100 14.1 8.5 12.7#

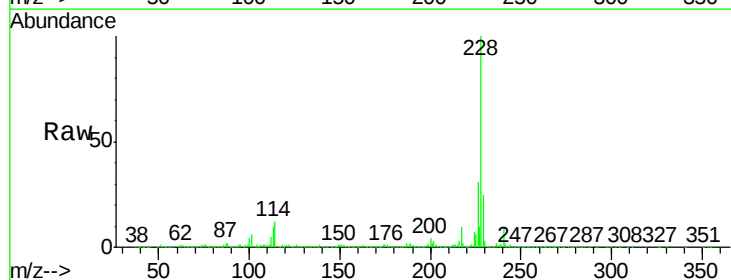


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

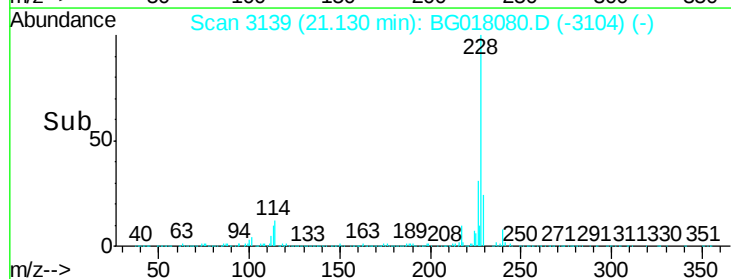
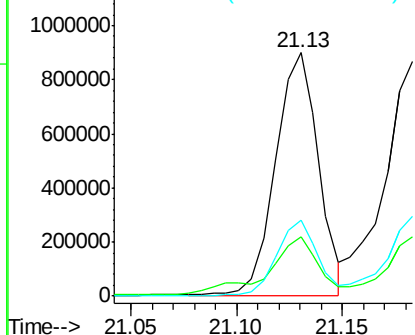


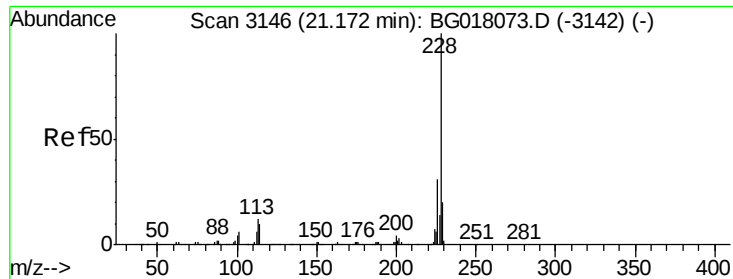
#83
Benzo(a)anthracene
Concen: 63.01 ng/ul
RT: 21.13 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion:228 Resp: 1273289
Ion Ratio Lower Upper
228 100
229 24.5 16.6 24.8
226 31.4 21.1 31.7



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

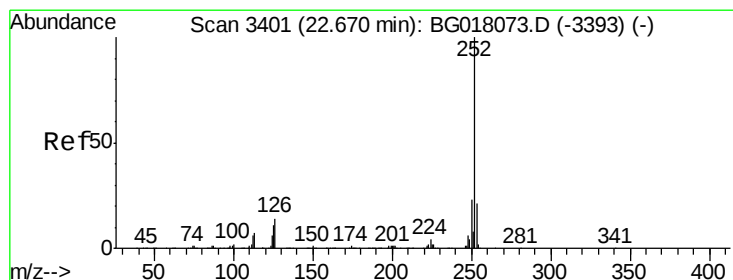
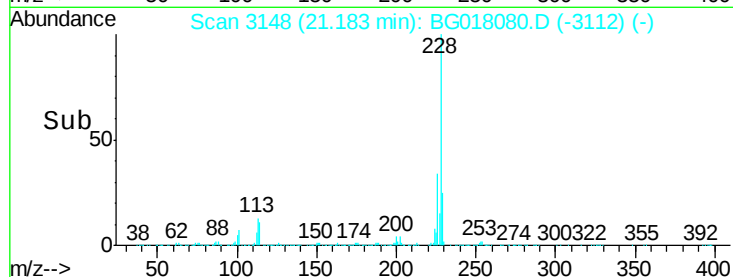
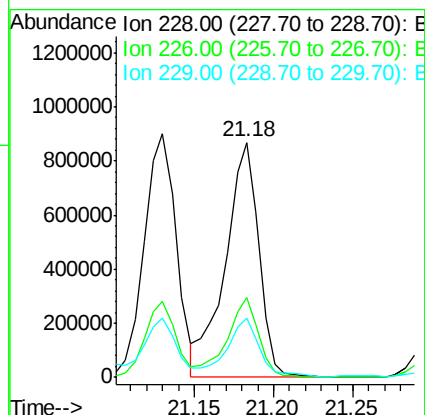
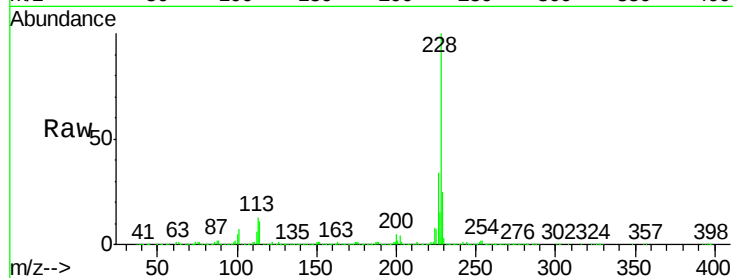




#85
Chrysene
Concen: 66.32 ng/ul
RT: 21.18 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

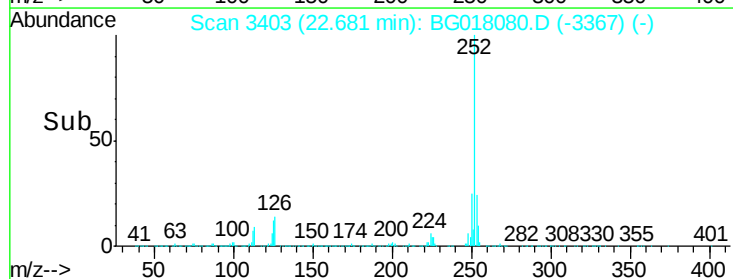
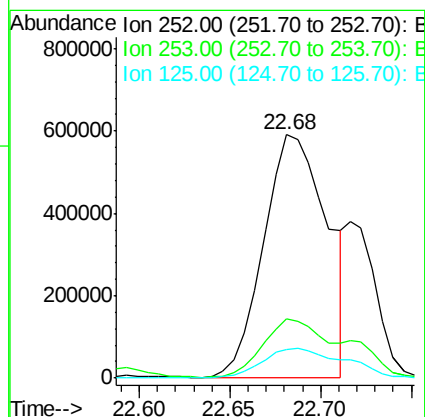
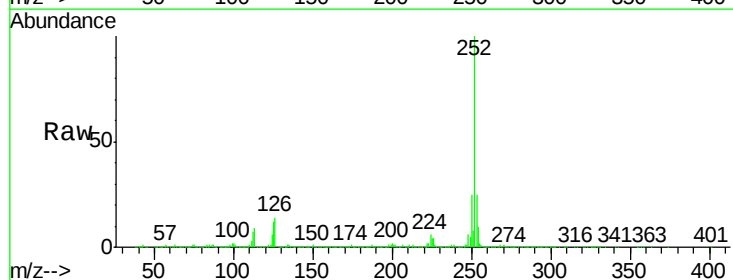
Instrument :
BNA_G
ClientSampleId :

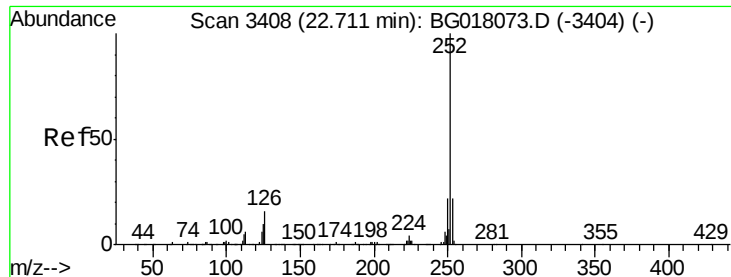
Tot Ion:228 Resp: 1261922
Ion Ratio Lower Upper
228 100
226 33.7 22.9 34.3
229 25.1 15.6 23.4#



#88
Benzo(b)fluoranthene
Concen: 67.71 ng/ul
RT: 22.68 min Scan# 3403
Delta R.T. 0.01 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion:252 Resp: 1435166
Ion Ratio Lower Upper
252 100
253 24.5 18.5 27.7
125 12.0 9.1 13.7

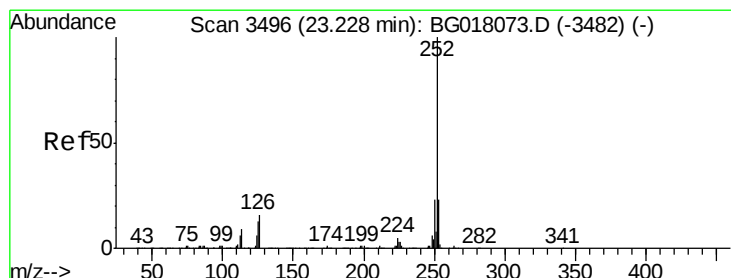
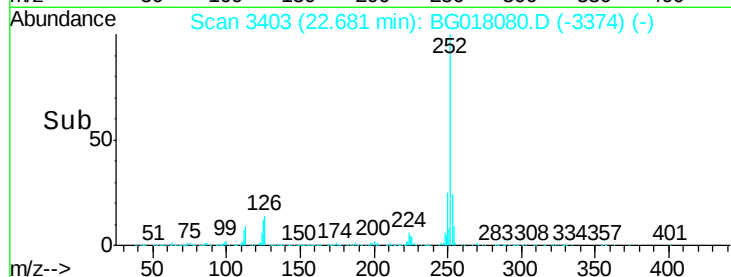
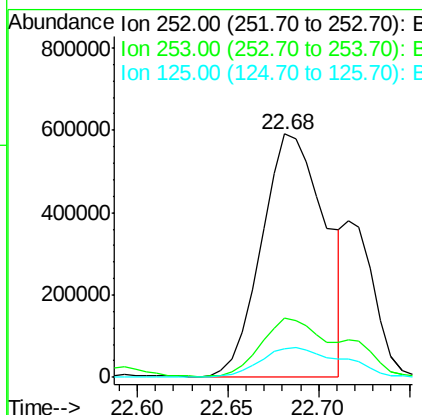
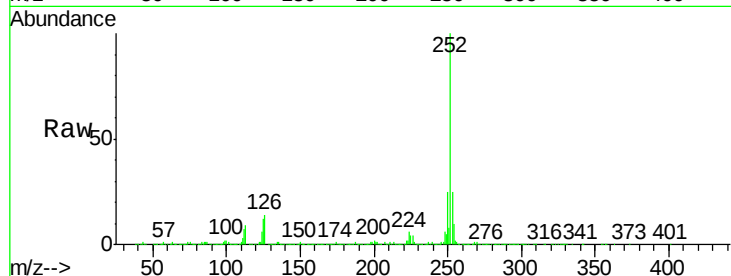




#89
Benzo(k)fluoranthene
Concen: 69.96 ng/ul
RT: 22.68 min Scan# 3403
Delta R.T. -0.03 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

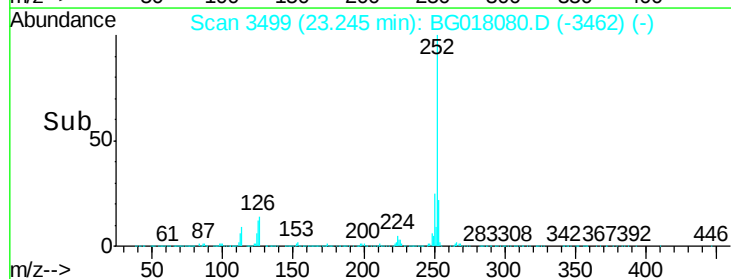
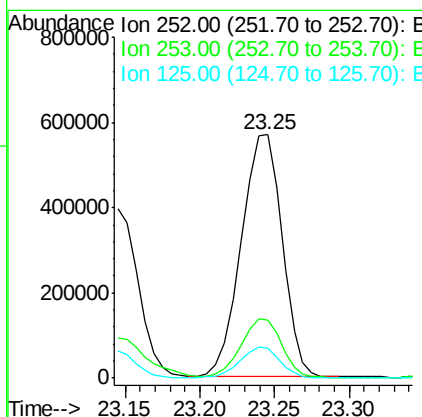
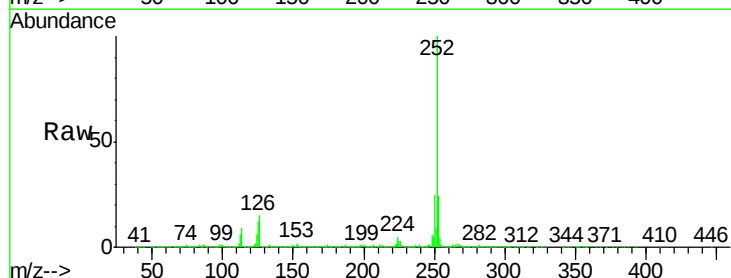
Instrument :
BNA_G
ClientSampleId :

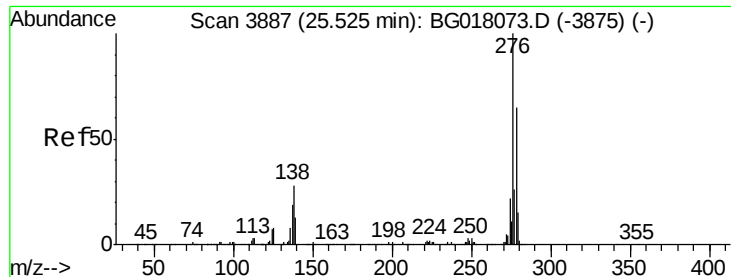
Tot Ion:252 Resp: 1435166
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 12.0 9.3 13.9



#91
Benzo(a)pyrene
Concen: 52.53 ng/ul
RT: 23.25 min Scan# 3499
Delta R.T. 0.02 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion:252 Resp: 1078358
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 12.1 10.2 15.2

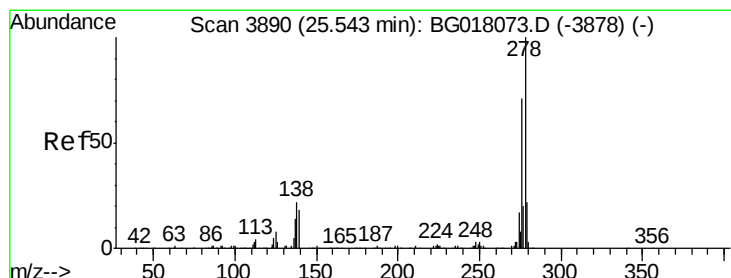
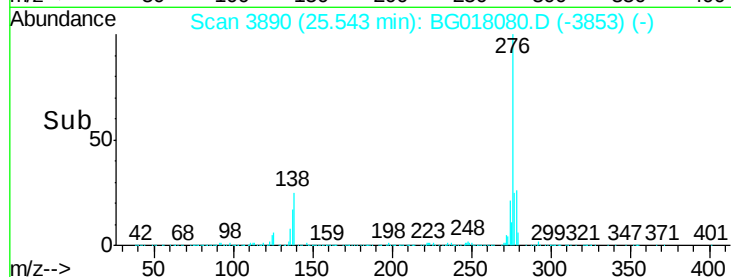
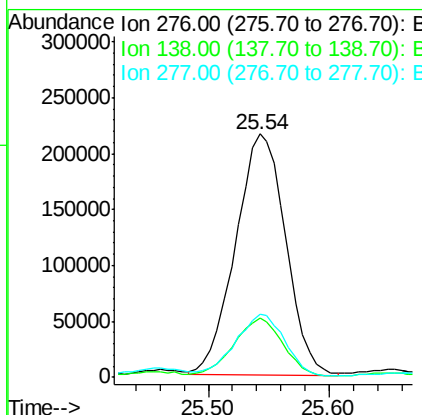
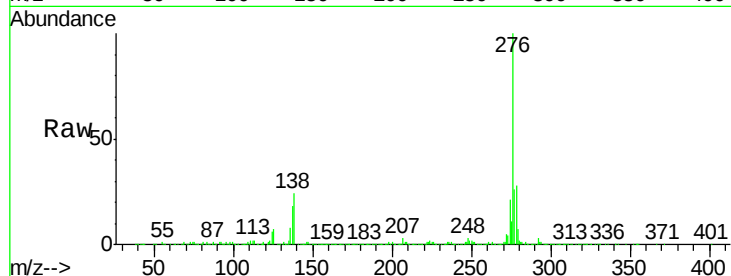




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 26.18 ng/ul
 RT: 25.54 min Scan# 3890
 Delta R.T. 0.02 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

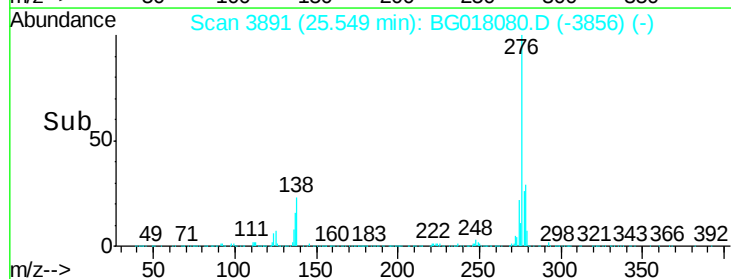
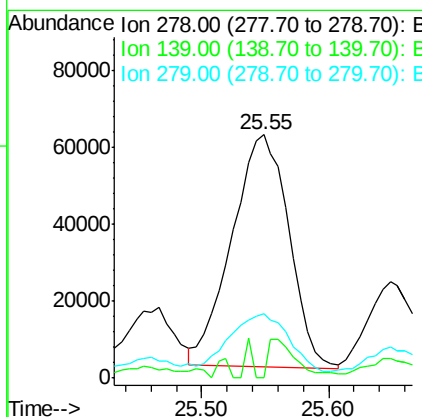
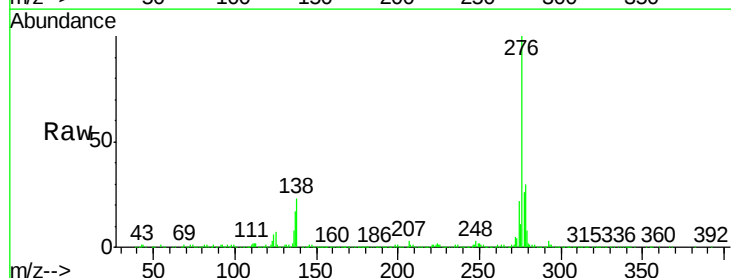
Instrument :
 BNA_G
 ClientSampleId :

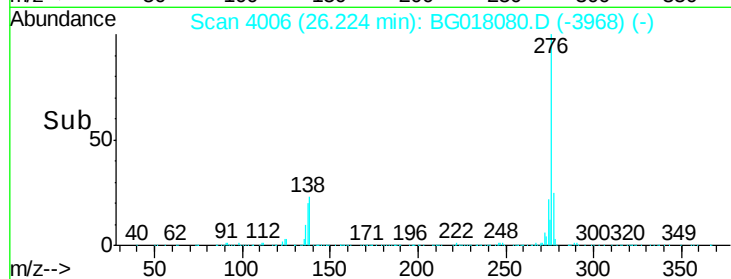
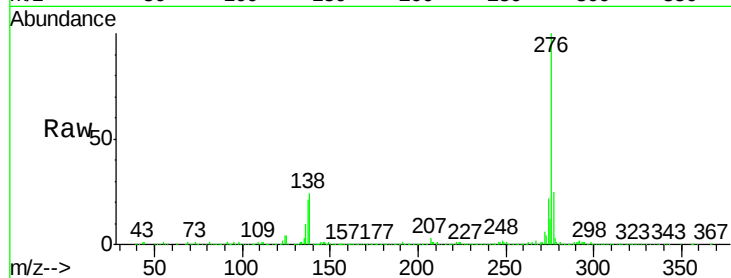
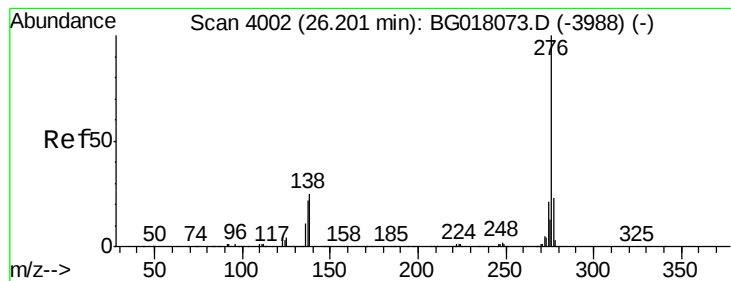
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.6	33.8
277	25.9	19.8	29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 9.36 ng/ul
 RT: 25.55 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	26.6	18.1	27.1





#94

Benzo(a,h,i)perylene

Concen: 29.71 ng/ul

RT: 26.22 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 581411

Ion Ratio Lower Upper

276 100

138 23.7 18.8 28.2

277 25.3 19.3 28.9

