

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\
 Data File : BG018923.D
 Acq On : 26 Sep 2015 21:36
 Operator : UM/NP
 Sample : G3798-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9G65

Quant Time: Sep 28 04:35:57 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 28 04:33:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	56420	20.00	ng/ul	0.00
18) Naphthalene-d8	10.79	136	243098	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.61	164	156802	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.36	188	378759	20.00	ng/ul	0.00
78) Chrysene-d12	21.61	240	398299	20.00	ng/ul	0.00
86) Perylene-d12	24.78	264	406956	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	1964	1.67	ng/uL	0.00
5) Phenol-d5	7.16	99	55938	12.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.31	67	34044	12.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.53	132	46901	13.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.70	113	32415	8.62	ng/ul	0.00
19) Nitrobenzene-d5	9.15	128	23247	12.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.87	143	22912	12.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.42	165	48704	12.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.93	131	12548	2.77	ng/ul	0.00
44) Dimethylphthalate-d6	14.01	166	158724	12.58	ng/ul	0.00
47) Acenaphthylene-d8	14.31	160	124335	8.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	12367	5.11	ng/ul	0.00
58) Fluorene-d10	15.60	176	61665	5.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.72	200	7183	4.01	ng/ul	0.00
71) Anthracene-d10	17.45	188	19732	1.18	ng/ul	0.00
79) Pyrene-d10	19.74	212	53802	2.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.57	264	18250	0.92	ng/ul	0.00

Target Compounds

						Ovalue
14) Acetophenone	8.81	105	21887	3.82	ng/ul#	89
28) Naphthalene	10.84	128	24750	2.00	ng/ul	99
34) 2-Methylnaphthalene	12.44	142	18632	2.04	ng/ul	87
35) 1-Methylnaphthalene	12.66	142	13629	1.56	ng/ul	92
45) Dimethylphthalate	14.06	163	59945	4.90	ng/ul#	96
48) Acenaphthylene	14.34	152	31402	1.97	ng/ul	98
54) Dibenzofuran	15.01	168	16458	1.09	ng/ul	95
59) Fluorene	15.66	166	15162	1.19	ng/ul	97
70) Phenanthrene	17.40	178	404861	21.03	ng/ul	98
72) Anthracene	17.49	178	95413	4.94	ng/ul	98
75) Carbazole	17.76	167	38229	2.23	ng/ul	99
77) Fluoranthene	19.41	202	919543	43.09	ng/ul	97
80) Pyrene	19.76	202	821523	35.08	ng/ul	98
83) Benzo(a)anthracene	21.59	228	549111	24.87	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.49	149	28597	2.15	ng/ul#	99
85) Chrysene	21.66	228	511919	25.13	ng/ul	97
88) Benzo(b)fluoranthene	23.78	252	821816	35.71	ng/ul	98
89) Benzo(k)fluoranthene	23.78	252	821816	37.28	ng/ul	98
91) Benzo(a)pyrene	24.64	252	544966	24.92	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.40	276	424287	16.73	ng/ul	98
93) Dibenzo(a,h)anthracene	28.44	278	111150	5.46	ng/ul#	91
94) Benzo(a,h,i)perylene	29.53	276	351056	16.58	ng/ul	99

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 28 04:33:51 2015
Response via : Initial Calibration

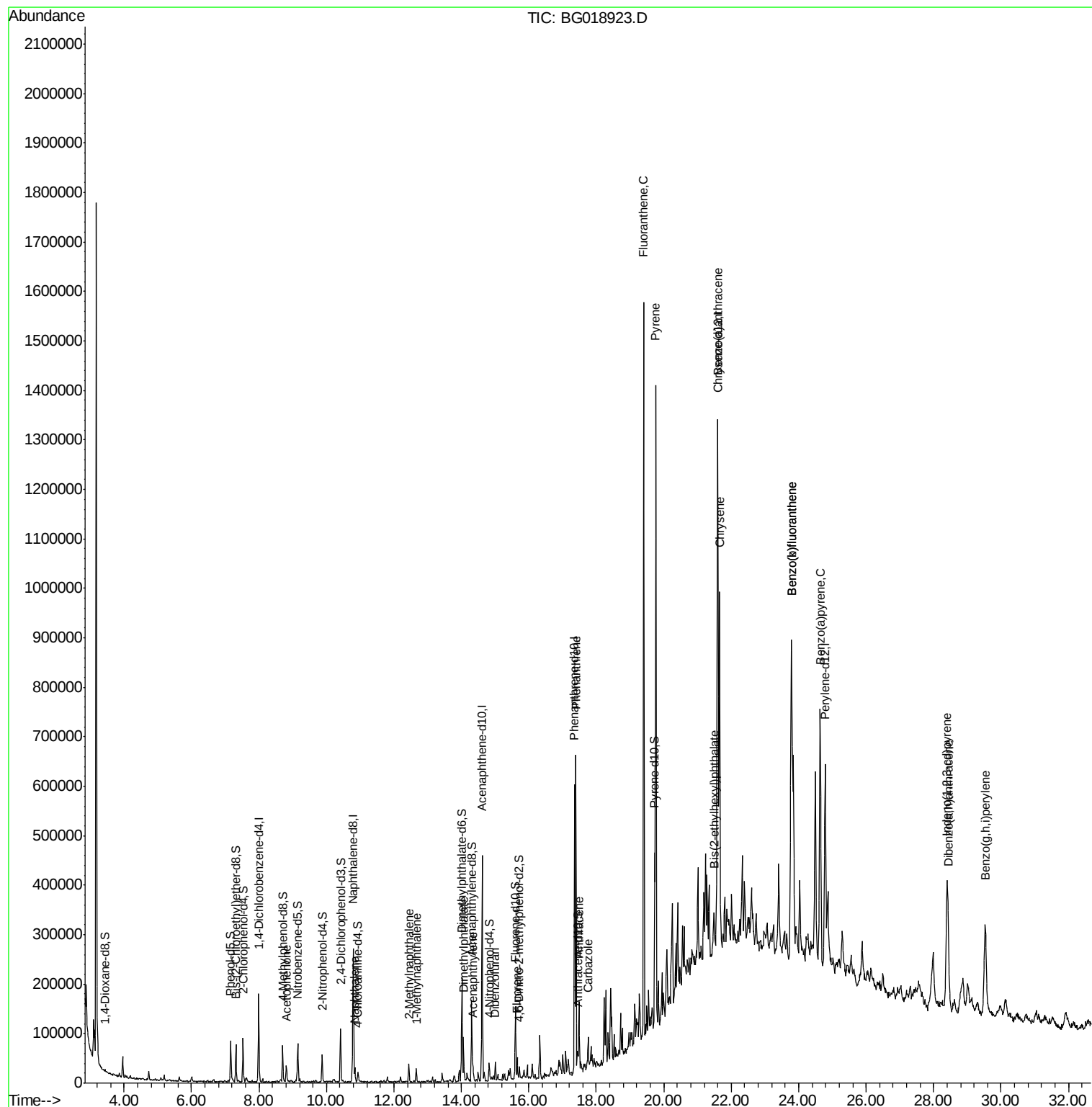
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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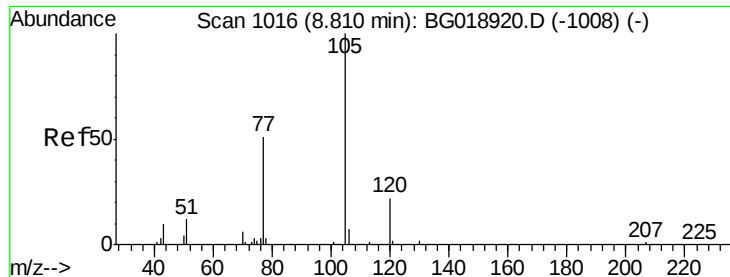
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 28 04:33:51 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 3.82 ng/ul

RT: 8.81 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

Instrument :

BNA_G

ClientSampleId :

D9G65

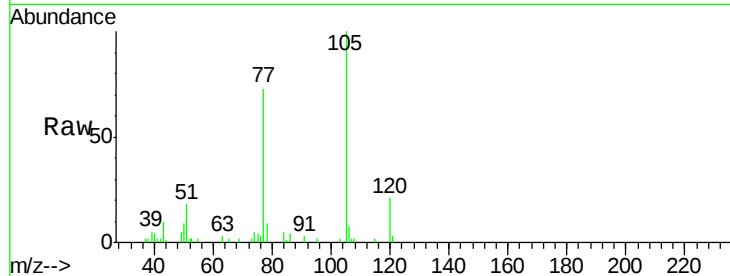
Tot Ion:105 Resp: 21887

Ion Ratio Lower Upper

105 100

77 72.6 61.9 92.9

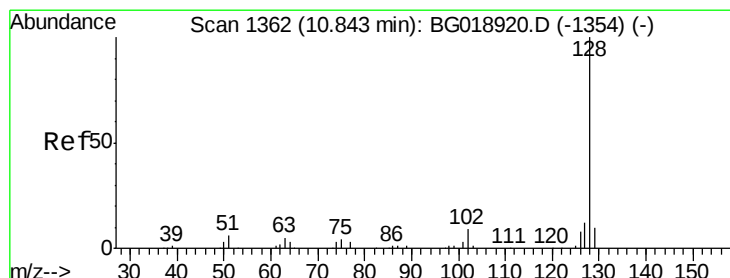
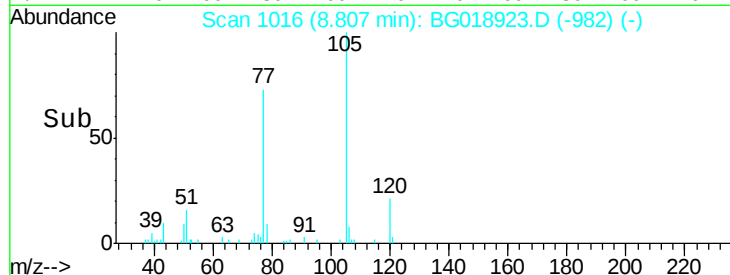
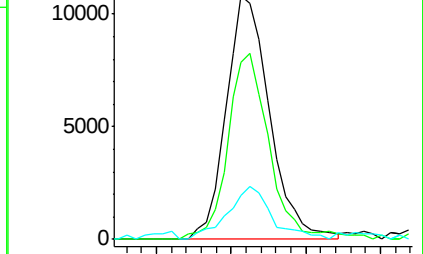
51 17.9 25.5 38.3#



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: 2.00 ng/ul

RT: 10.84 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

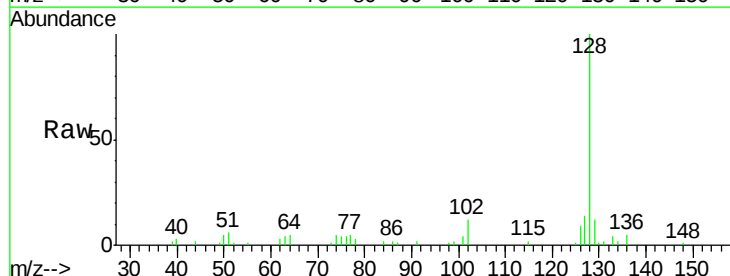
Tgt Ion:128 Resp: 24750

Ion Ratio Lower Upper

128 100

129 12.2 9.6 14.4

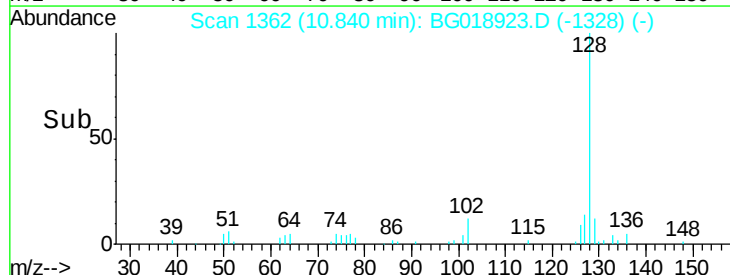
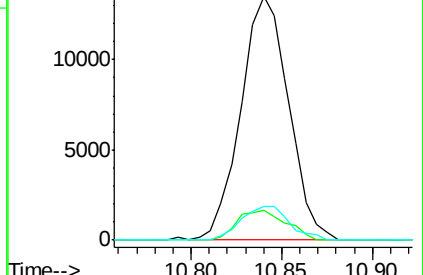
127 13.9 10.5 15.7

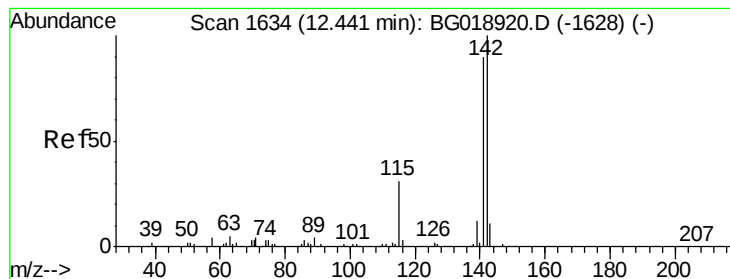


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 2.04 ng/ul

RT: 12.44 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

Instrument :

BNA_G

ClientSampleId :

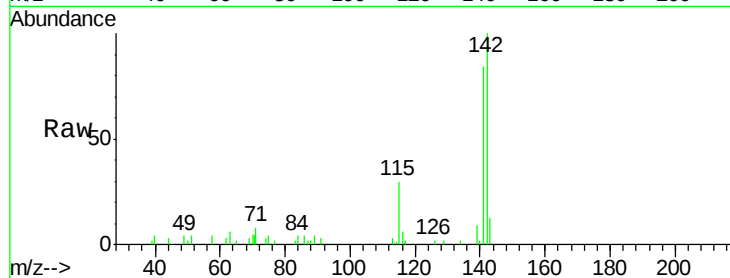
D9G65

Tot Ion:142 Resp: 18632

Ion Ratio Lower Upper

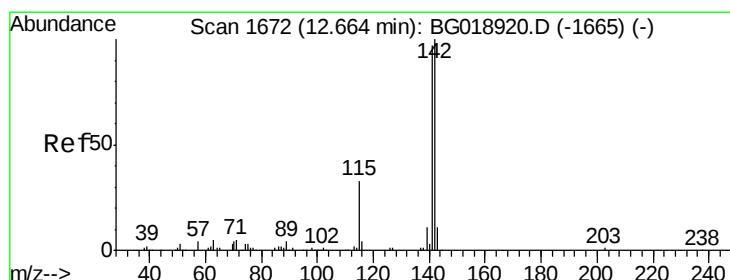
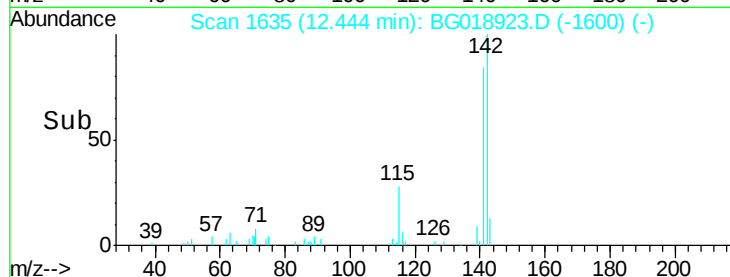
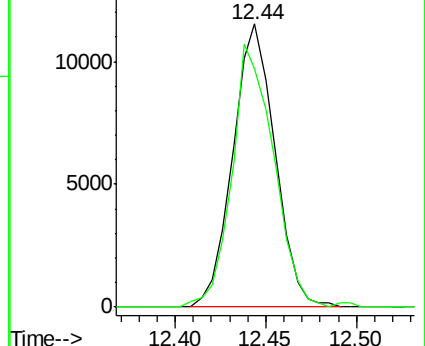
142 100

141 84.2 78.0 117.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.56 ng/ul

RT: 12.66 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

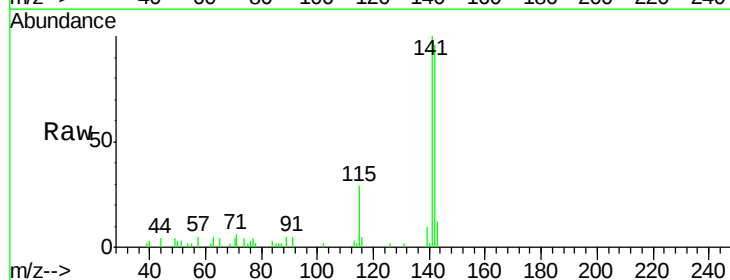
Tgt Ion:142 Resp: 13629

Ion Ratio Lower Upper

142 100

141 104.1 77.1 115.7

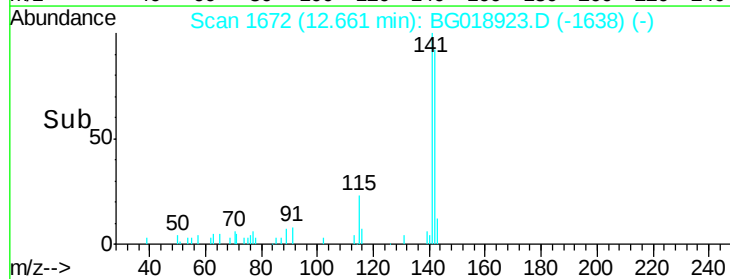
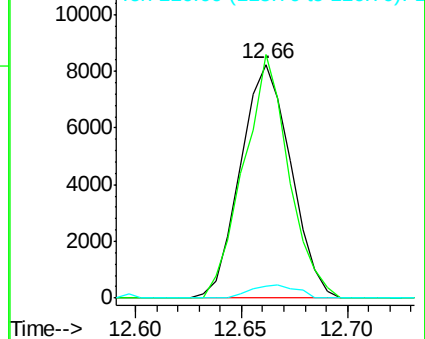
116 4.8 3.5 5.3

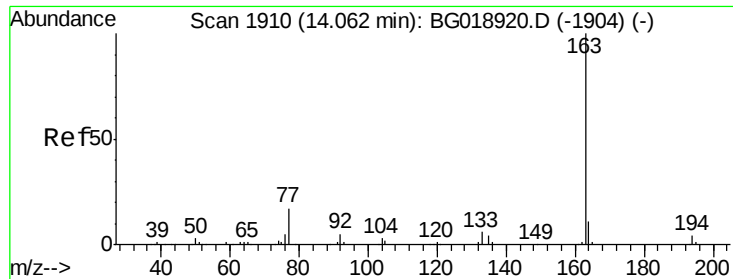


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

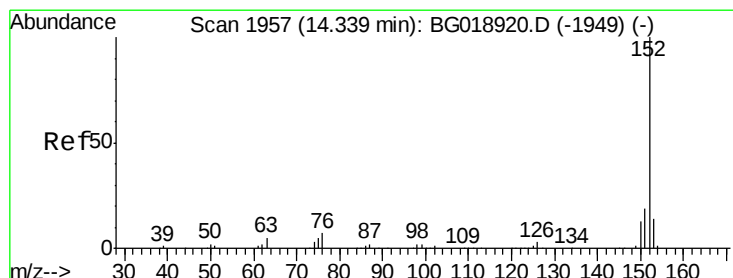
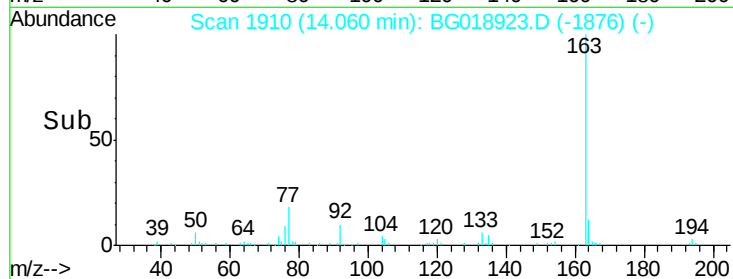
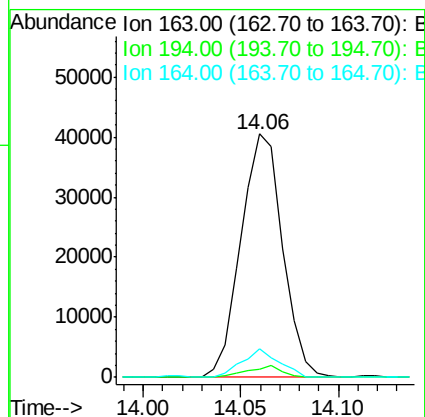
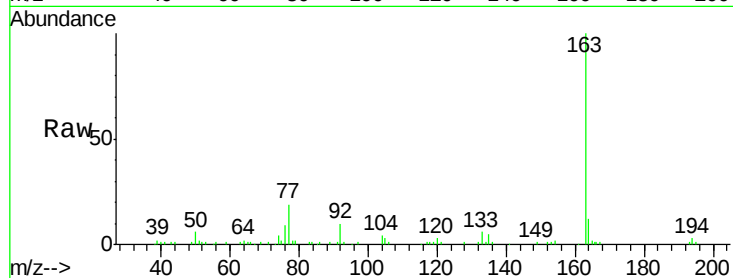




#45
Dimethylphthalate
Concen: 4.90 ng/ul
RT: 14.06 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

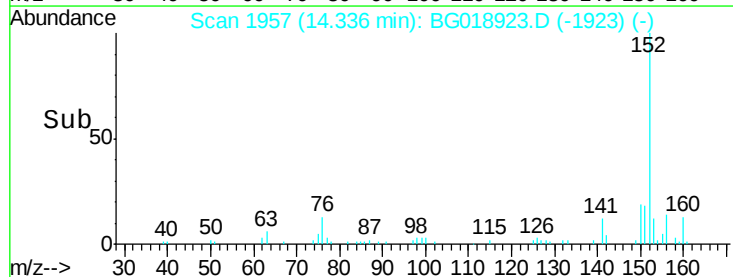
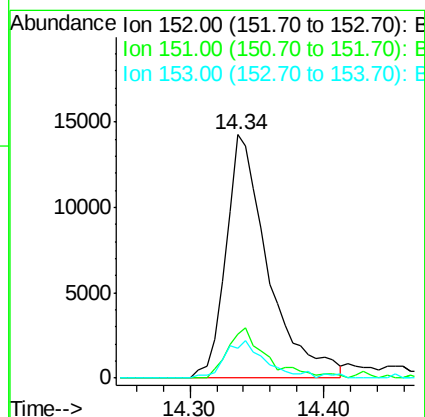
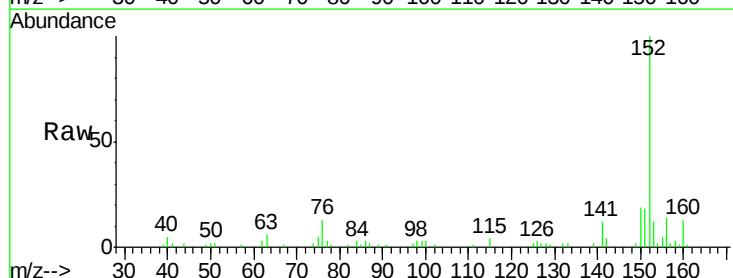
Instrument :
BNA_G
ClientSampled :
D9G65

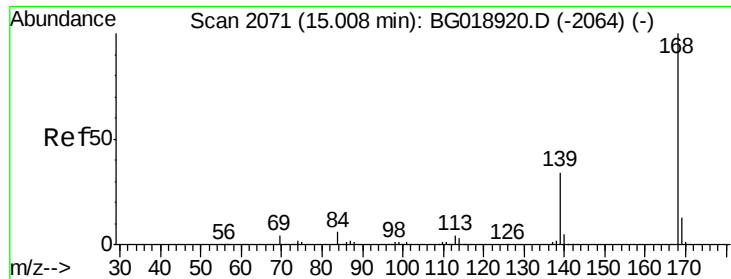
Tot Ion:163 Resp: 59945
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 11.6 7.7 11.5#



#48
Acenaphthylene
Concen: 1.97 ng/ul
RT: 14.34 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion:152 Resp: 31402
Ion Ratio Lower Upper
152 100
151 18.2 15.4 23.2
153 12.5 10.8 16.2

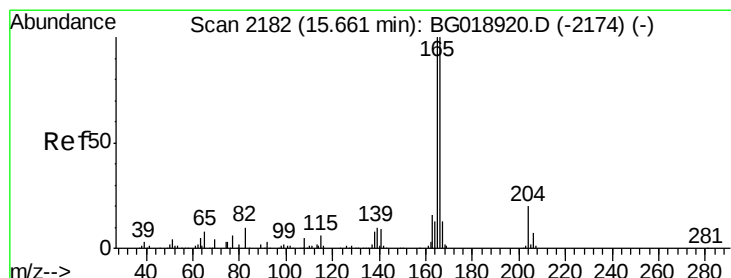
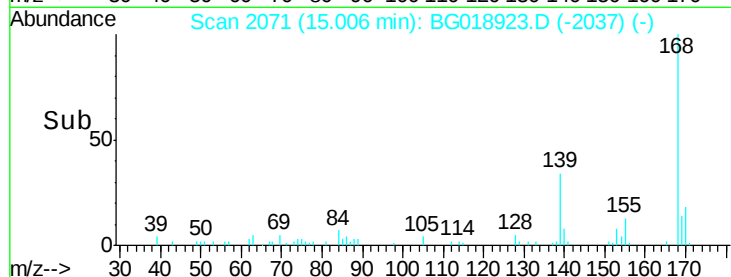
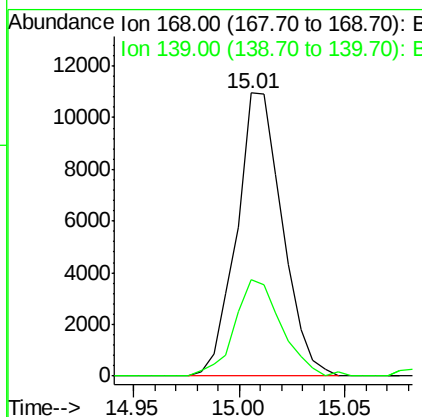
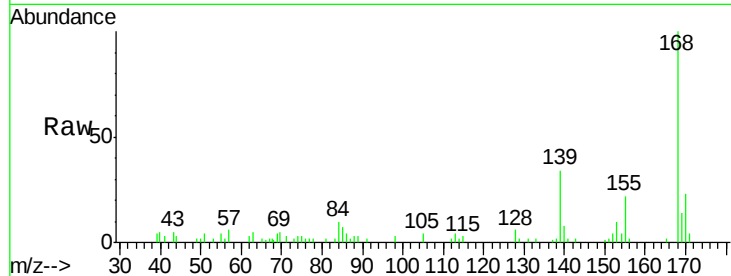




#54
Dibenzenofuran
Concen: 1.09 ng/ul
RT: 15.01 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

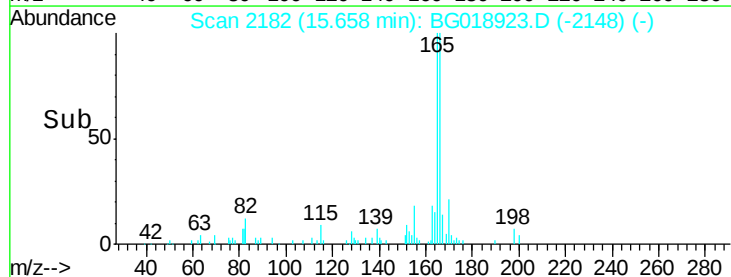
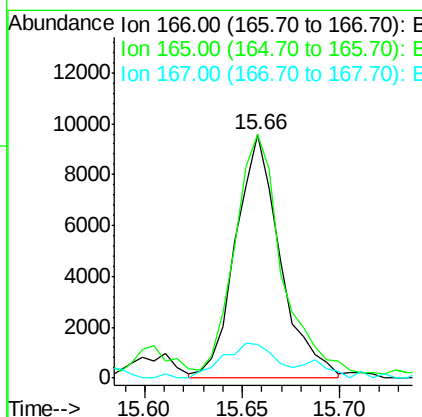
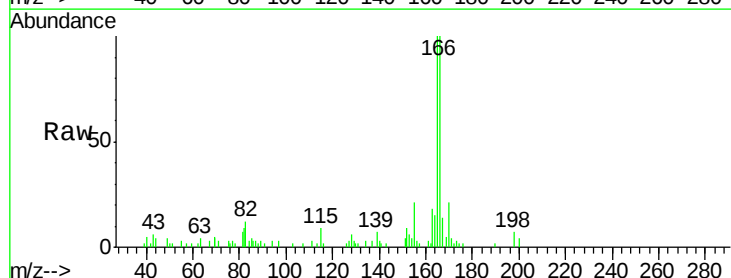
Instrument :
BNA_G
ClientSampleId :
D9G65

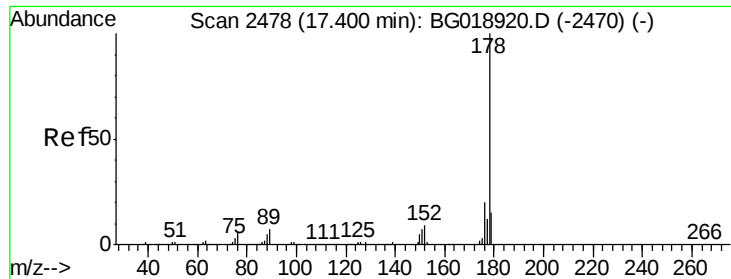
Tot Ion:168 Resp: 16458
Ion Ratio Lower Upper
168 100
139 34.2 29.7 44.5



#59
Fluorene
Concen: 1.19 ng/ul
RT: 15.66 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion:166 Resp: 15162
Ion Ratio Lower Upper
166 100
165 100.0 82.6 124.0
167 13.7 11.4 17.0

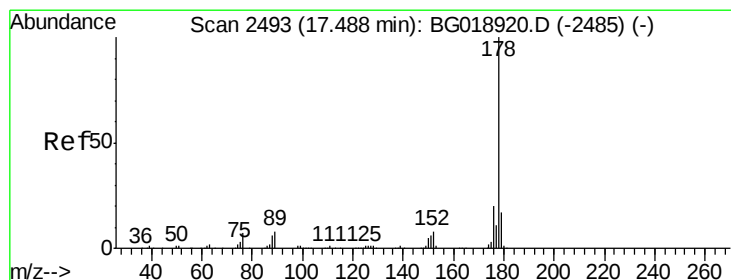
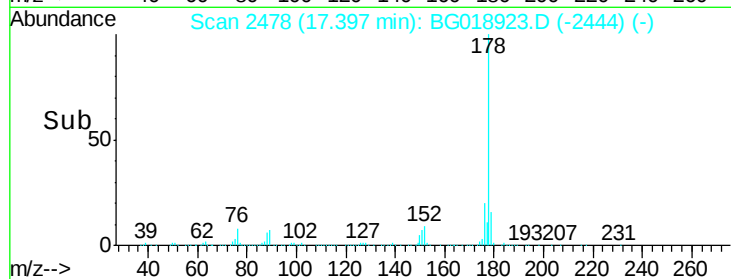
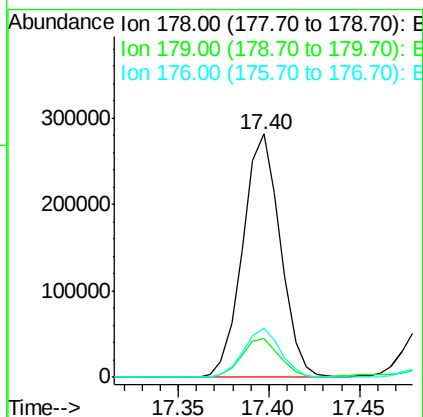
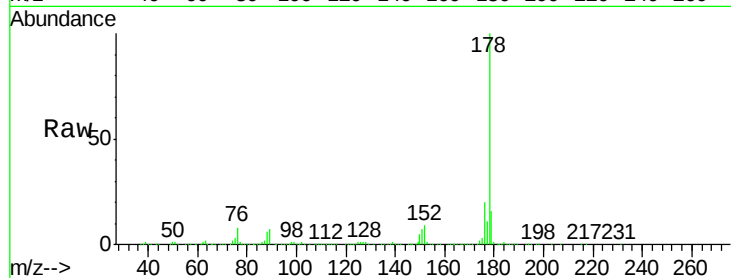




#70
Phenanthrene
Concen: 21.03 ng/ul
RT: 17.40 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

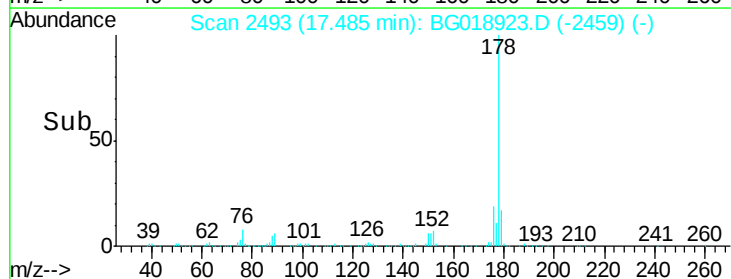
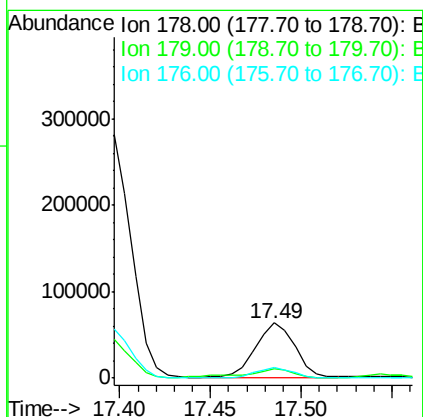
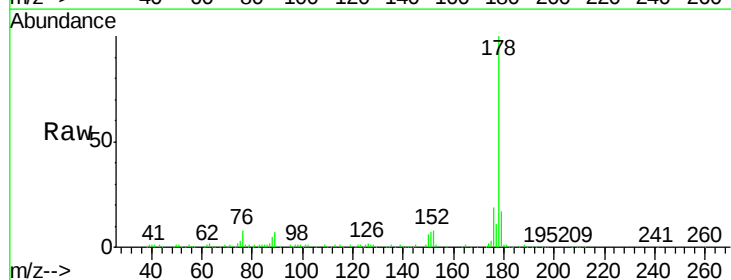
Instrument :
BNA_G
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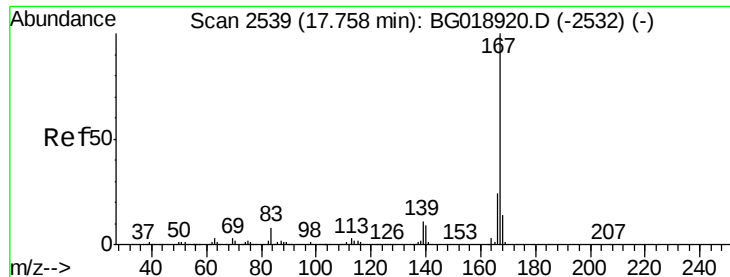
Tot Ion:178 Resp: 404861
Ion Ratio Lower Upper
178 100
179 15.9 13.7 20.5
176 20.0 16.6 24.8



#72
Anthracene
Concen: 4.94 ng/ul
RT: 17.49 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion:178 Resp: 95413
Ion Ratio Lower Upper
178 100
179 17.0 13.0 19.4
176 19.0 16.0 24.0





#75

Carbazole

Concen: 2.23 ng/ul

RT: 17.76 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

Instrument :

BNA_G

ClientSampleId :

D9G65

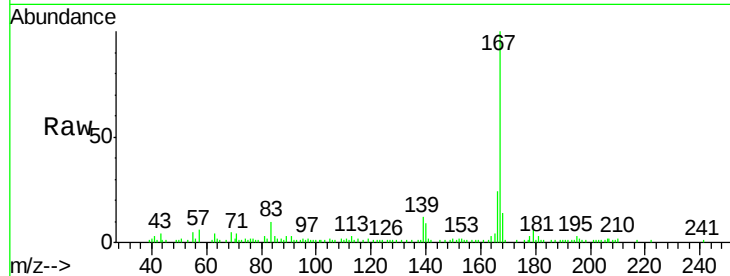
Tot Ion:167 Resp: 38229

Ion Ratio Lower Upper

167 100

166 24.5 18.9 28.3

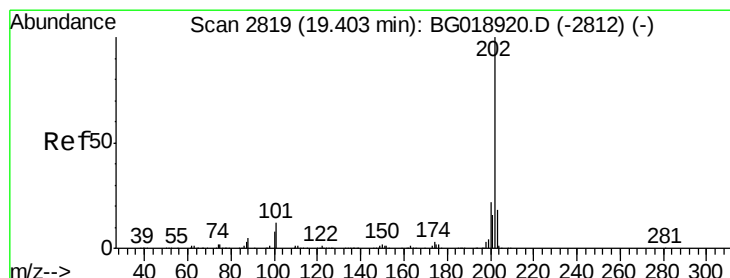
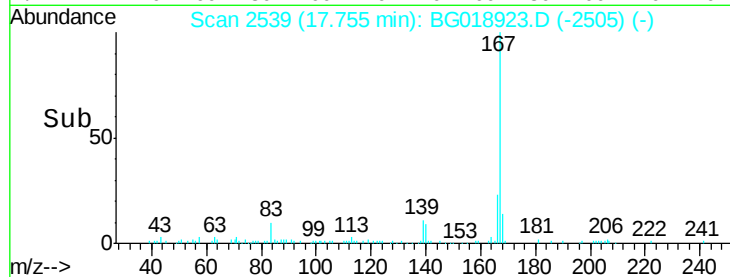
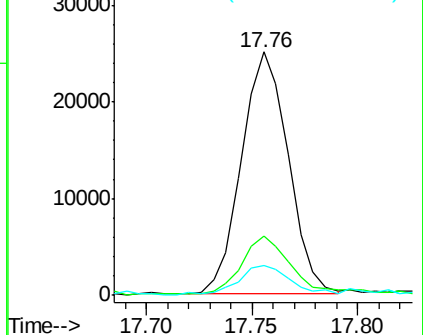
139 12.3 10.1 15.1



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: 43.09 ng/ul

RT: 19.41 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

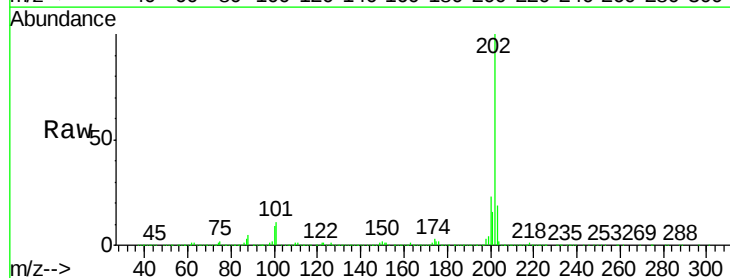
Tgt Ion:202 Resp: 919543

Ion Ratio Lower Upper

202 100

101 10.6 9.7 14.5

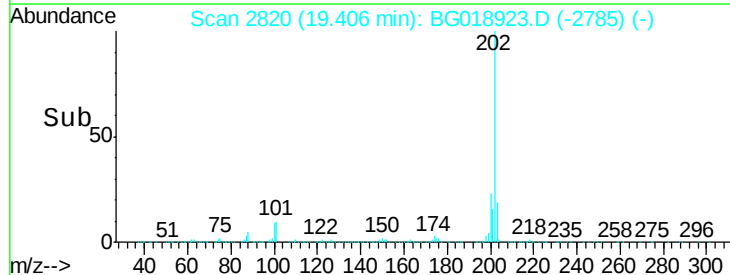
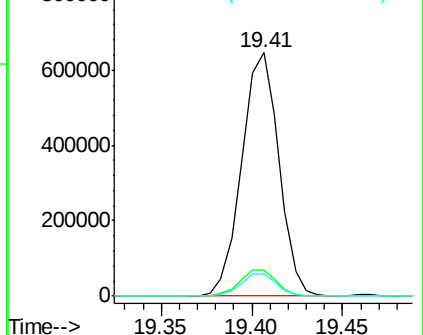
100 8.9 7.8 11.8

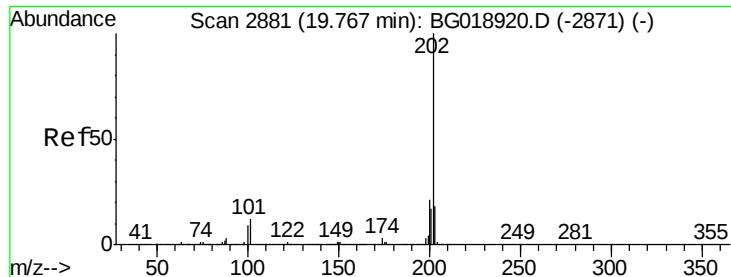


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

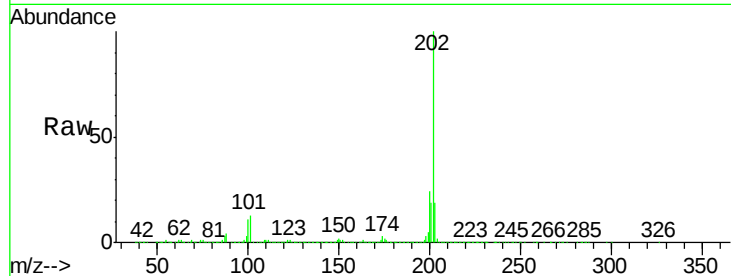




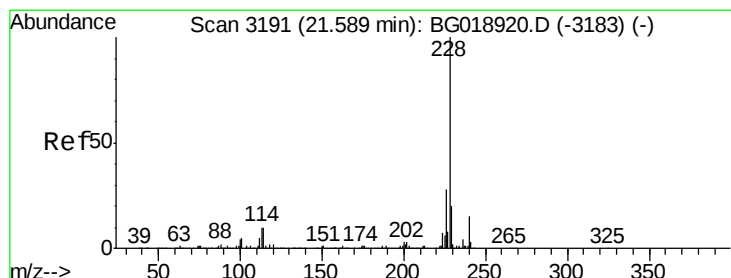
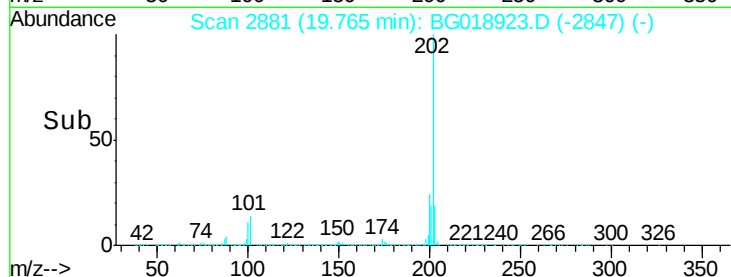
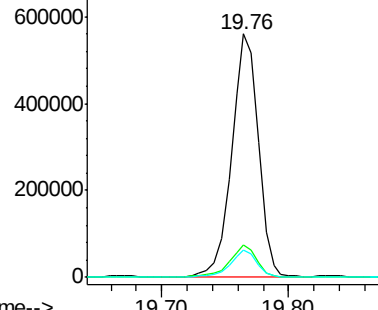
#80
Pvrene
Concen: 35.08 ng/ul
RT: 19.76 min Scan# 2881
Delta R.T. -0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Instrument :
BNA_G
ClientSampleId :
D9G65

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	11.0	16.4
100	11.0	9.8	14.6

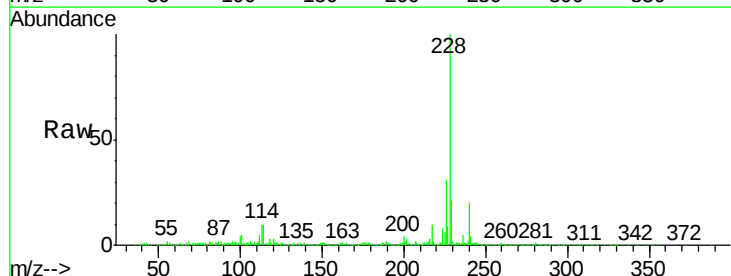


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

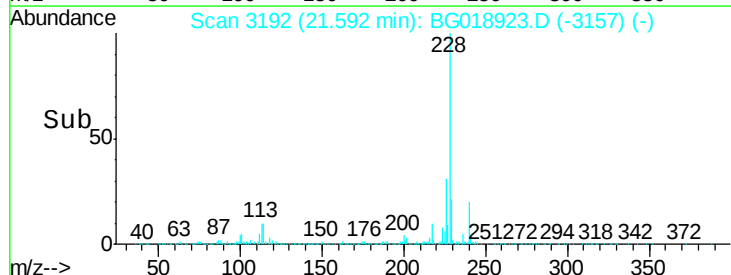
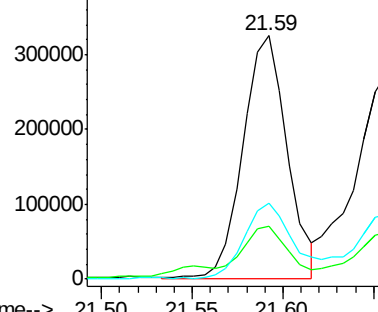


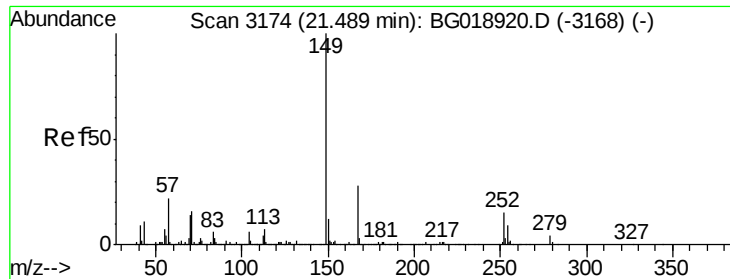
#83
Benzo(a)anthracene
Concen: 24.87 ng/ul
RT: 21.59 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.5	23.3
226	30.9	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

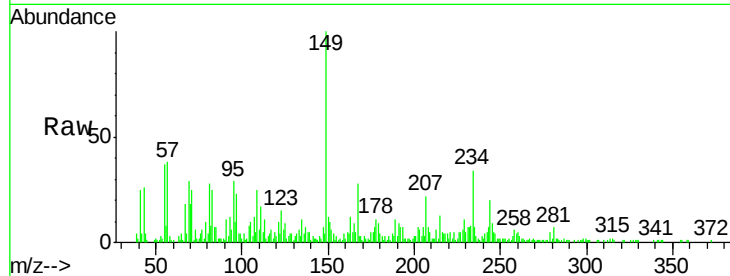




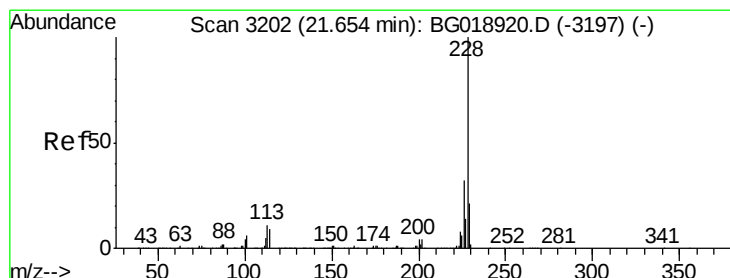
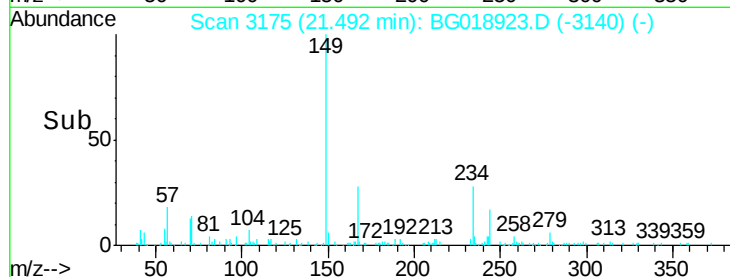
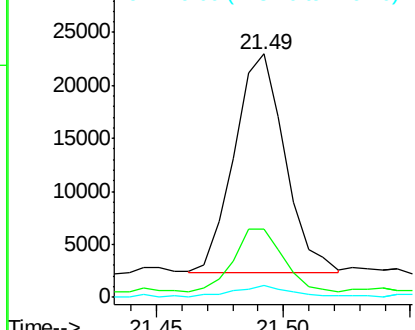
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.15 ng/ul
RT: 21.49 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Instrument :
BNA_G
ClientSampleId :
D9G65

Tot Ion:149 Resp: 28597
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.2
279 4.9 2.8 4.2#

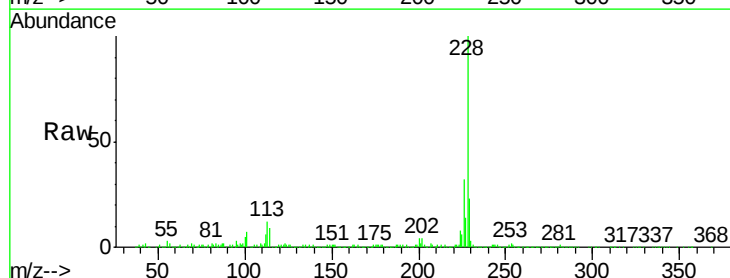


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

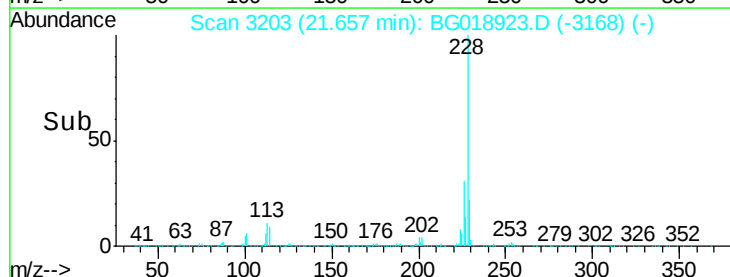
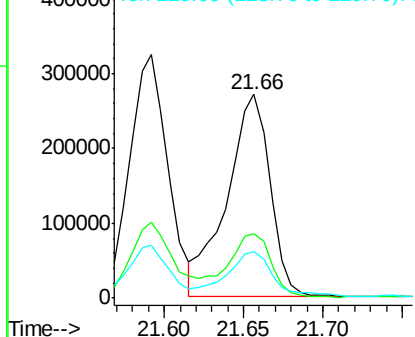


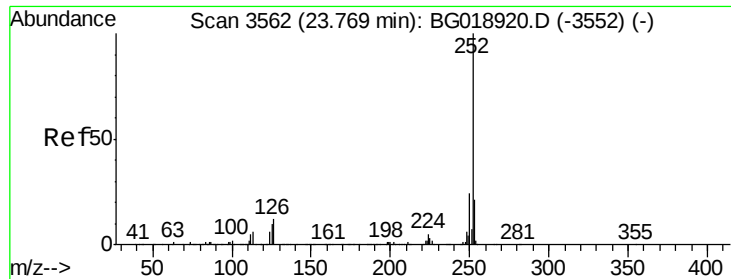
#85
Chrysene
Concen: 25.13 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.00 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion:228 Resp: 511919
Ion Ratio Lower Upper
228 100
226 31.5 26.5 39.7
229 22.9 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 35.71 ng/ul

RT: 23.78 min Scan# 3565

Delta R.T. 0.01 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

Instrument :

BNA_G

ClientSampleId :

D9G65

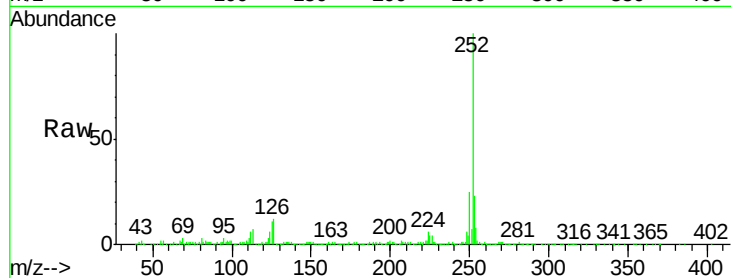
Tot Ion:252 Resp: 821816

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

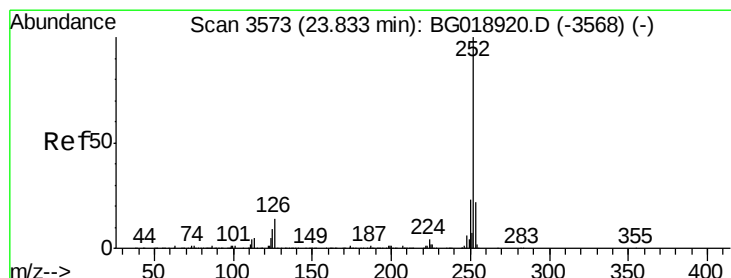
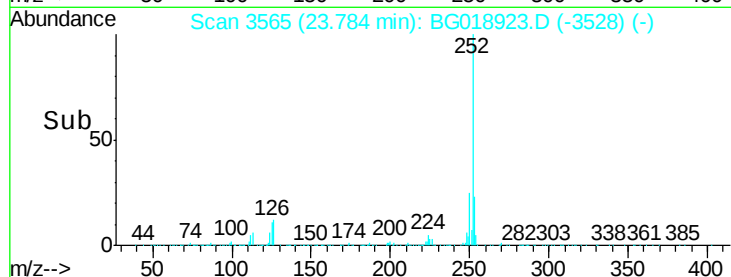
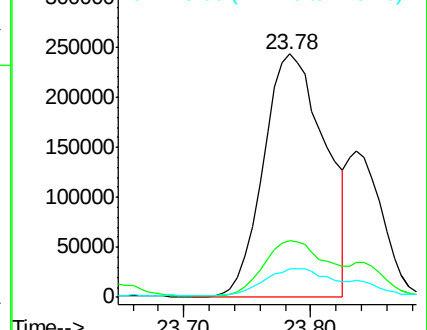
125 11.5 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 37.28 ng/ul

RT: 23.78 min Scan# 3565

Delta R.T. -0.05 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

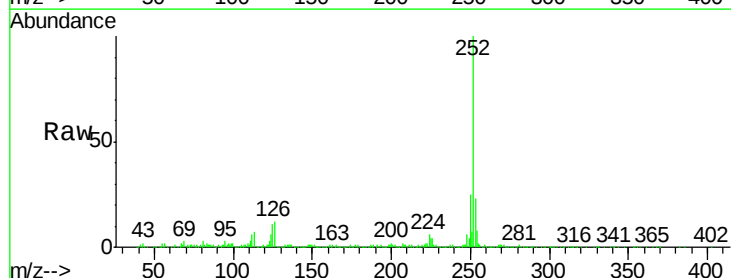
Tgt Ion:252 Resp: 821816

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

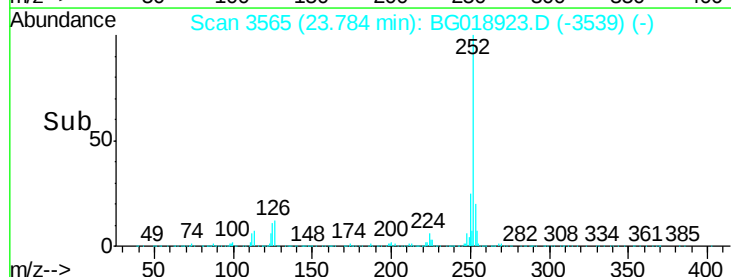
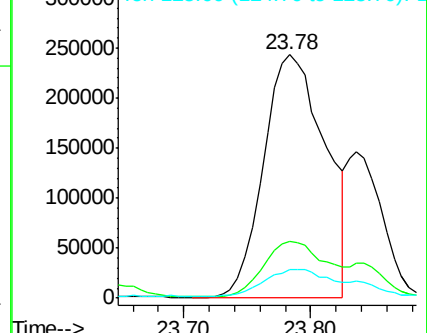
125 11.5 9.0 13.4

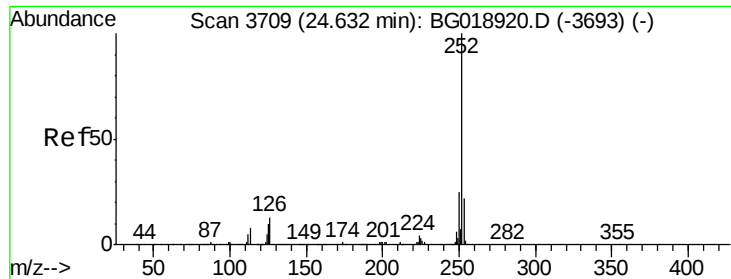


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 24.92 ng/ul

RT: 24.64 min Scan# 3711

Delta R.T. 0.01 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

Instrument :

BNA_G

ClientSampleId :

D9G65

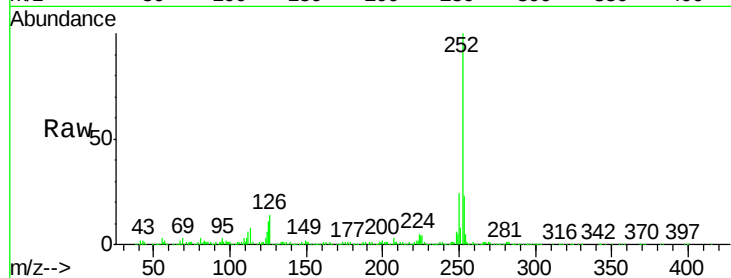
Tot Ion:252 Resp: 544966

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

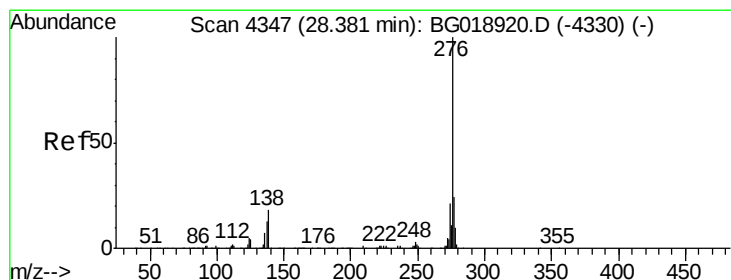
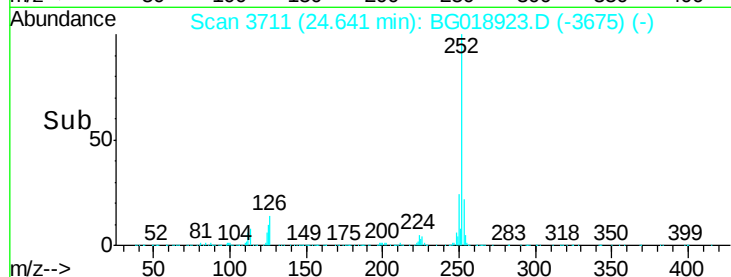
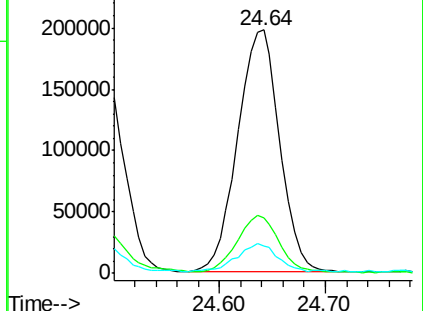
125 11.1 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 16.73 ng/ul

RT: 28.40 min Scan# 4351

Delta R.T. 0.02 min

Lab File: BG018923.D

Acq: 26 Sep 2015 21:36

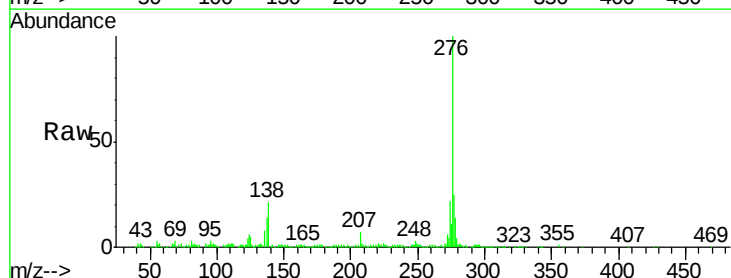
Tgt Ion:276 Resp: 424287

Ion Ratio Lower Upper

276 100

138 20.8 15.8 23.6

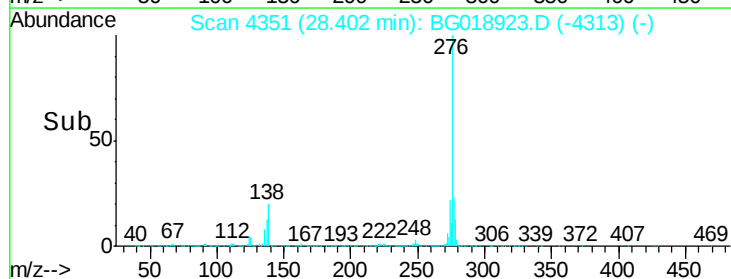
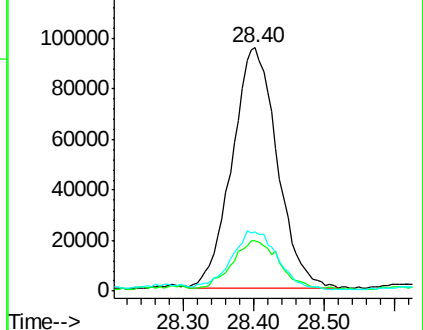
277 24.6 18.9 28.3

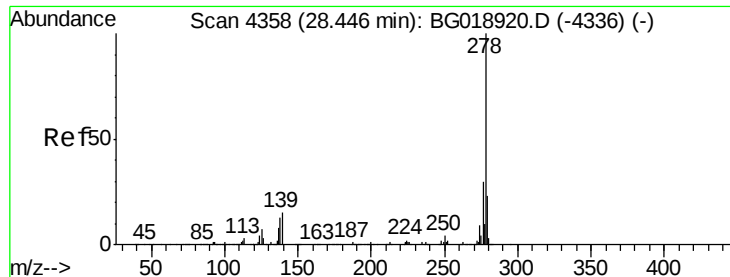


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



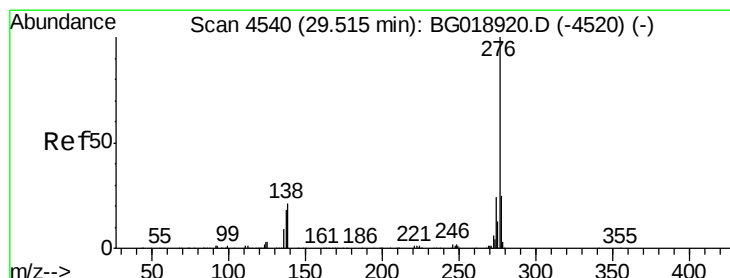
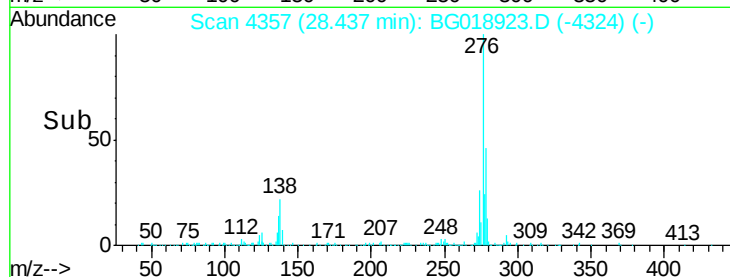
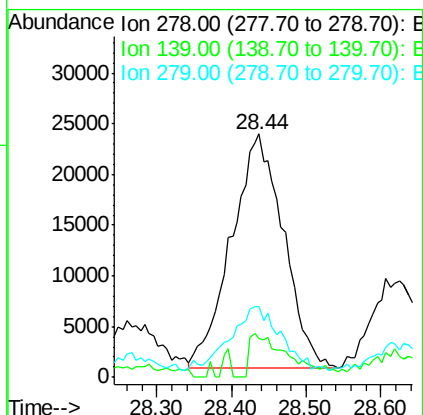
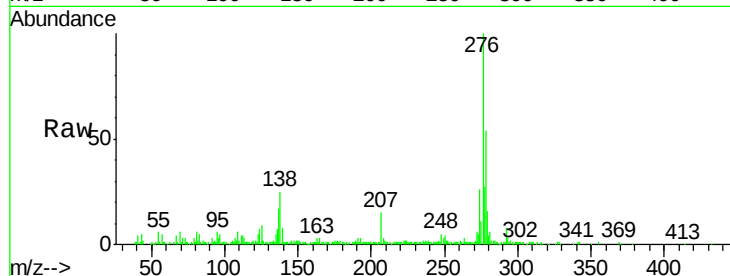


#93
Dibenzo(a,h)anthracene
Concen: 5.46 ng/ul
RT: 28.44 min Scan# 4357
Delta R.T. -0.01 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Instrument :
BNA_G
ClientSampleId :
D9G65

Tot Ion:278 Resp: 111150

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.8	20.6
279	29.0	17.8	26.8#



#94
Benzo(g,h,i)perylene
Concen: 16.58 ng/ul
RT: 29.53 min Scan# 4543
Delta R.T. 0.01 min
Lab File: BG018923.D
Acq: 26 Sep 2015 21:36

Tgt Ion:276 Resp: 351056

Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.5	24.7
277	23.5	19.0	28.6

