

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\
 Data File : BG018925.D
 Acq On : 26 Sep 2015 22:52
 Operator : UM/NP
 Sample : G3798-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9G67

Quant Time: Sep 28 04:36:26 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	58958	20.00	ng/ul	0.00
18) Naphthalene-d8	10.79	136	257996	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.61	164	166767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.36	188	380547	20.00	ng/ul	0.00
78) Chrysene-d12	21.62	240	371575	20.00	ng/ul	0.01
86) Perylene-d12	24.81	264	397102	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	798	0.65	ng/uL	0.00
5) Phenol-d5	7.16	99	43426	8.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.32	67	22101	7.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.53	132	33849	9.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.70	113	35826	9.12	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	16995	8.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.87	143	19272	9.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.42	165	40662	9.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	8255	1.71	ng/ul	0.01
44) Dimethylphthalate-d6	14.01	166	131645	9.81	ng/ul	0.00
47) Acenaphthylene-d8	14.31	160	101603	6.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	15914	6.18	ng/ul	0.00
58) Fluorene-d10	15.60	176	49612	4.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.72	200	6555	3.64	ng/ul	0.00
71) Anthracene-d10	17.45	188	15163	0.91	ng/ul	0.00
79) Pyrene-d10	19.74	212	43251	2.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.60	264	13934	0.72	ng/ul	0.03

Target Compounds

					Ovalue
14) Acetophenone	8.80	105	6784	1.13 ng/ul#	67
28) Naphthalene	10.84	128	34897	2.66 ng/ul	99
34) 2-Methylnaphthalene	12.45	142	17568	1.81 ng/ul	95
35) 1-Methylnaphthalene	12.67	142	12294	1.32 ng/ul#	95
45) Dimethylphthalate	14.06	163	44665	3.43 ng/ul	98
48) Acenaphthylene	14.34	152	134761	7.96 ng/ul	98
50) Acenaphthene	14.68	153	19641	1.72 ng/ul	95
54) Dibenzofuran	15.01	168	20777	1.30 ng/ul	93
59) Fluorene	15.66	166	20237	1.50 ng/ul#	97
70) Phenanthrene	17.40	178	313641	16.21 ng/ul	99
72) Anthracene	17.49	178	168591	8.69 ng/ul	99
75) Carbazole	17.76	167	69100	4.01 ng/ul	96
77) Fluoranthene	19.41	202	1260082	58.76 ng/ul	99
80) Pyrene	19.77	202	1288695	58.98 ng/ul	98
81) Butylbenzylphthalate	20.65	149	15203	1.81 ng/ul#	93
83) Benzo(a)anthracene	21.60	228	1005712	48.82 ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.49	149	75881	6.11 ng/ul#	98
85) Chrysene	21.66	228	1079479	56.80 ng/ul	97
88) Benzo(b)fluoranthene	23.81	252	1862432	82.94 ng/ul	95
89) Benzo(k)fluoranthene	23.81	252	1862432	86.59 ng/ul	95
91) Benzo(a)pyrene	24.67	252	1112160	52.11 ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.46	276	863142	34.88 ng/ul	97
93) Dibenzo(a,h)anthracene	28.48	278	222893	11.22 ng/ul#	91

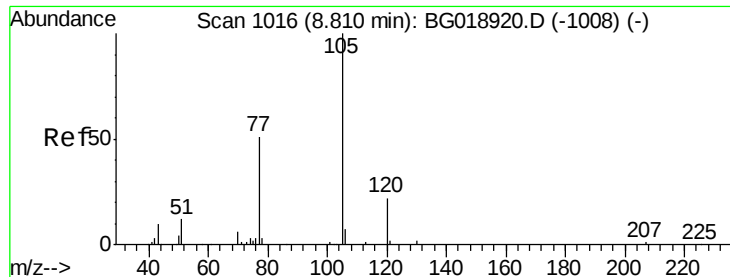
Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\
Data File : BG018925.D
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Quant Time: Sep 28 04:36:26 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 28 04:33:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	29.60	276	794830	38.48	ng/ul	98

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



#14

Acetophenone

Concen: 1.13 ng/ul

RT: 8.80 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

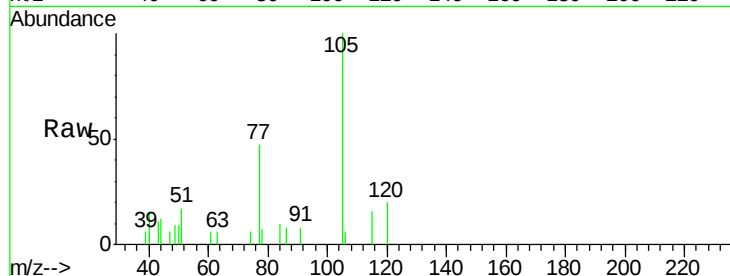
Tot Ion:105 Resp: 6784

Ion Ratio Lower Upper

105 100

77 46.6 61.9 92.9#

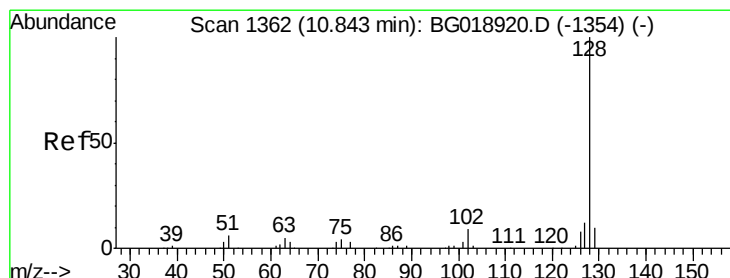
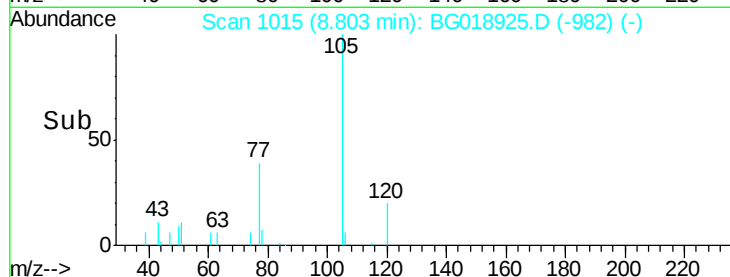
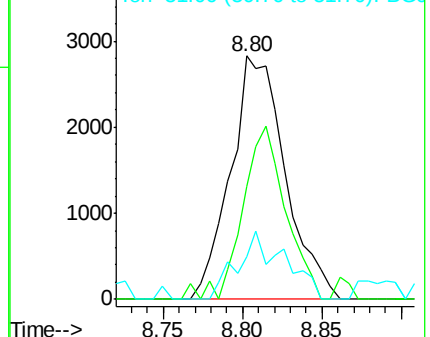
51 17.4 25.5 38.3#



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: 2.66 ng/ul

RT: 10.84 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

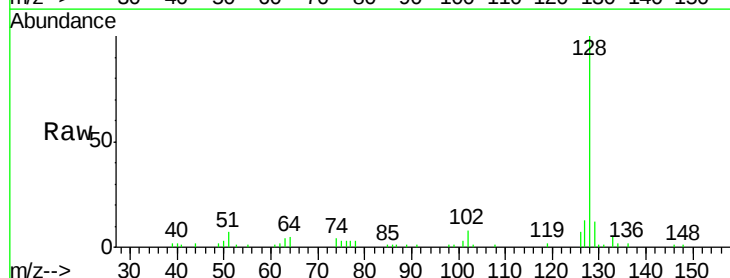
Tgt Ion:128 Resp: 34897

Ion Ratio Lower Upper

128 100

129 11.6 9.6 14.4

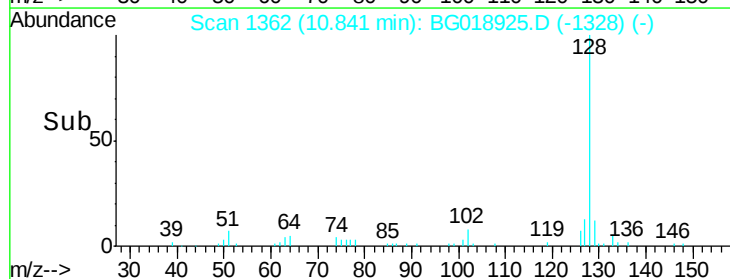
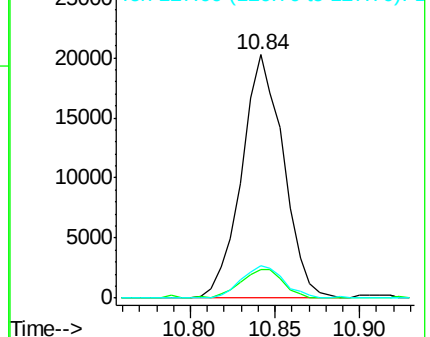
127 13.2 10.5 15.7

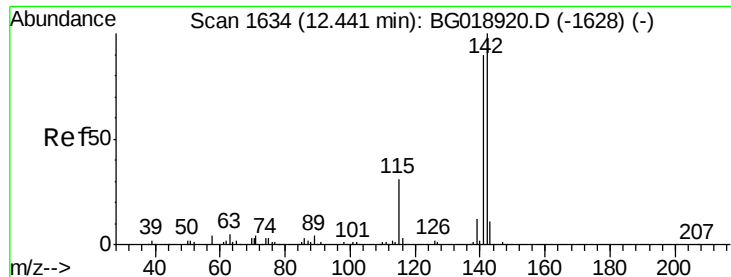


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

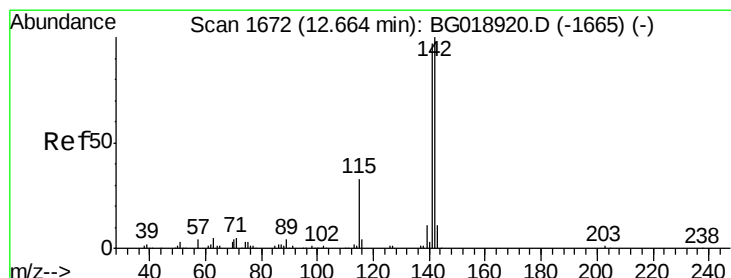
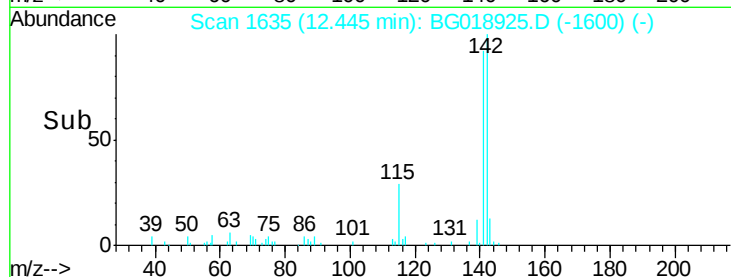
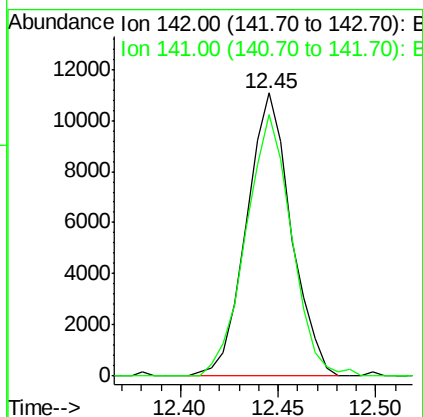
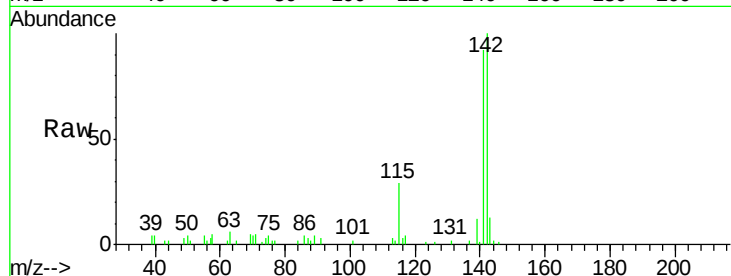




#34
2-Methylnaphthalene
Concen: 1.81 ng/ul
RT: 12.45 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

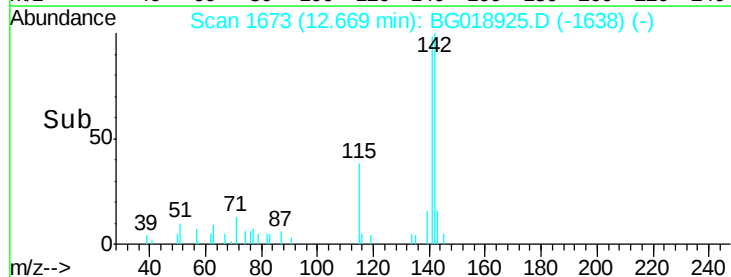
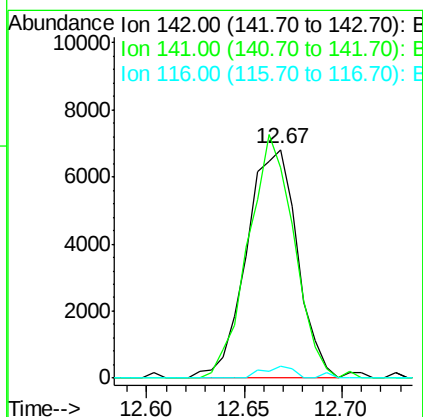
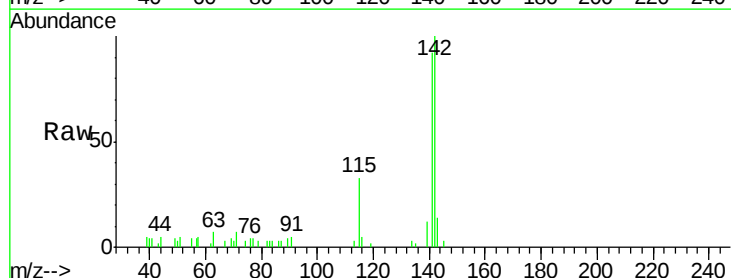
Instrument :
BNA_G
ClientSampleId :
D9G67

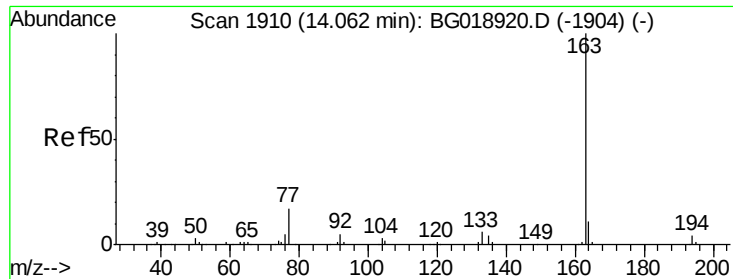
Tot Ion:142 Resp: 17568
Ion Ratio Lower Upper
142 100
141 92.5 78.0 117.0



#35
1-Methylnaphthalene
Concen: 1.32 ng/ul
RT: 12.67 min Scan# 1673
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion:142 Resp: 12294
Ion Ratio Lower Upper
142 100
141 91.7 77.1 115.7
116 5.3 3.5 5.3#

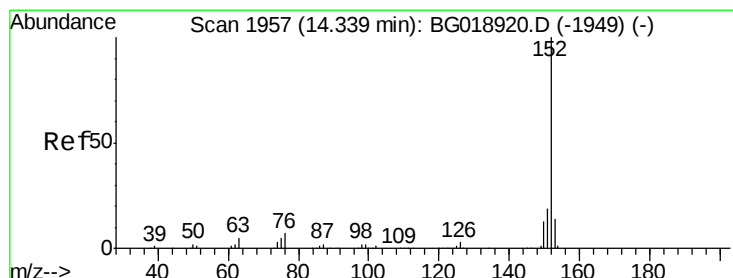
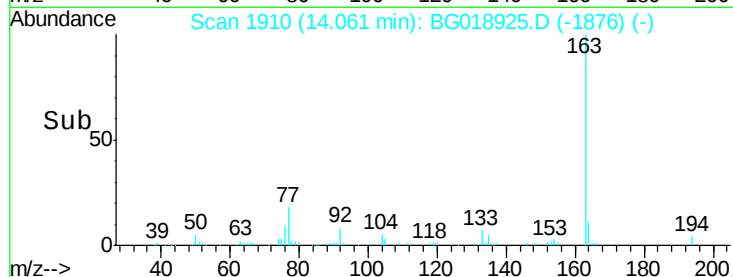
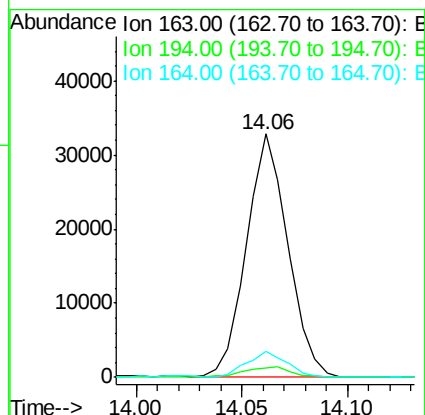
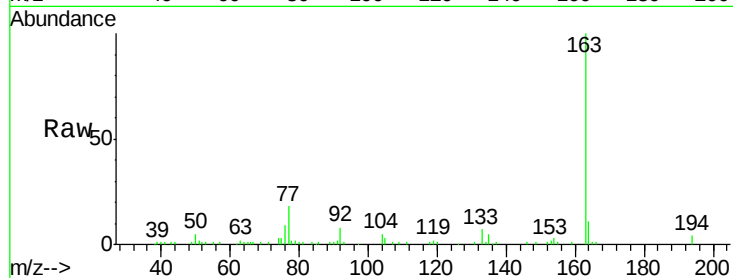




#45
Dimethylphthalate
Concen: 3.43 ng/ul
RT: 14.06 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

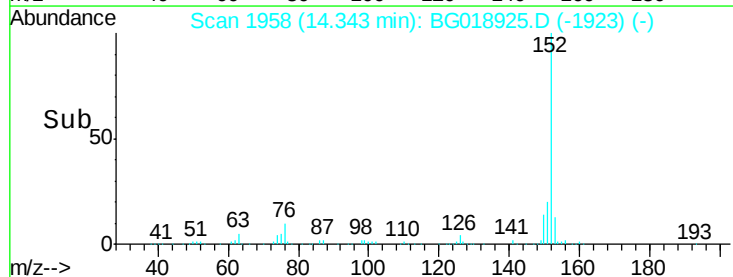
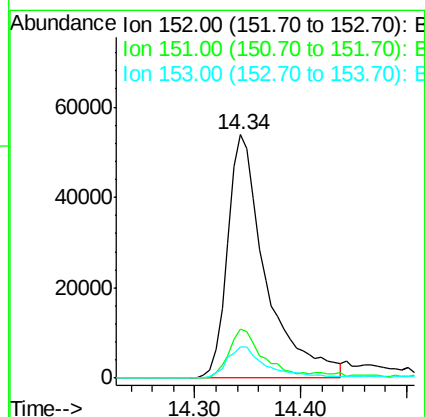
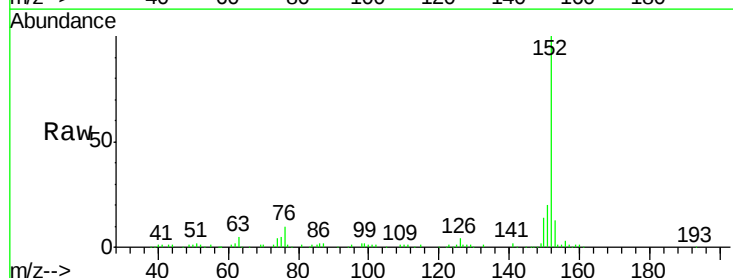
Instrument :
BNA_G
ClientSampleId :
D9G67

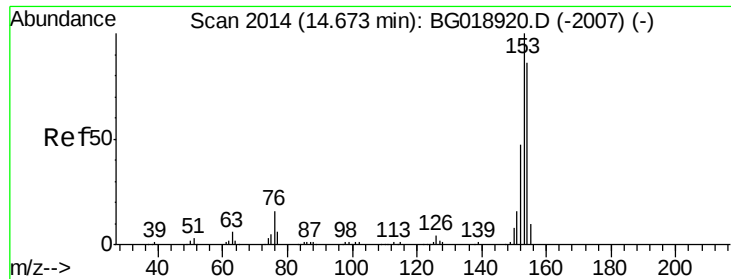
Tot Ion:163 Resp: 44665
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.7 7.7 11.5



#48
Acenaphthylene
Concen: 7.96 ng/ul
RT: 14.34 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion:152 Resp: 134761
Ion Ratio Lower Upper
152 100
151 20.4 15.4 23.2
153 12.9 10.8 16.2





#50

Acenaphthene

Concen: 1.72 ng/ul

RT: 14.68 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

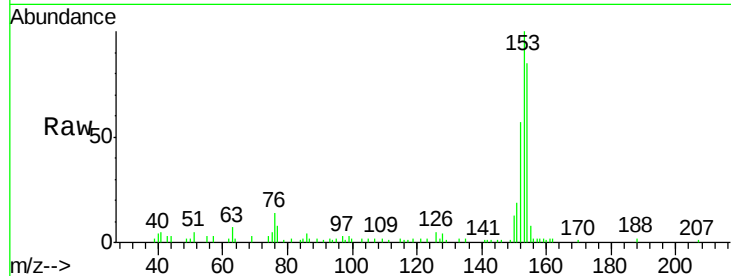
Tot Ion:153 Resp: 19641

Ion Ratio Lower Upper

153 100

152 56.8 38.2 57.4

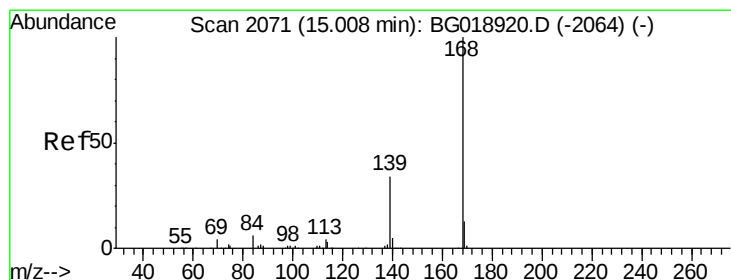
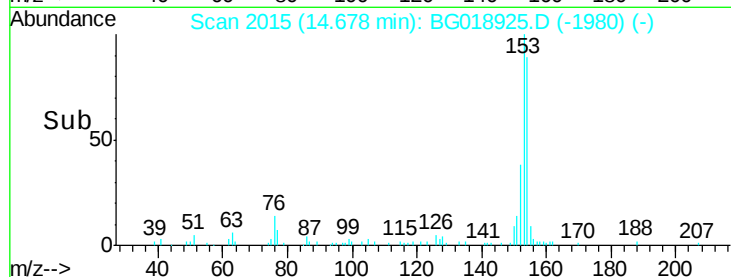
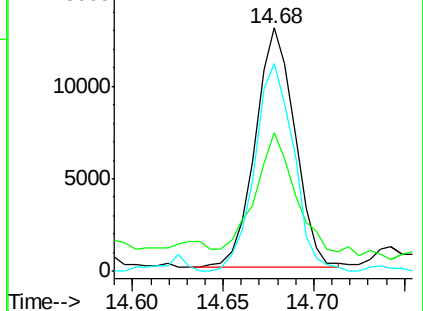
154 85.5 68.6 103.0



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

Dibenzofuran

Concen: 1.30 ng/ul

RT: 15.01 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BG018925.D

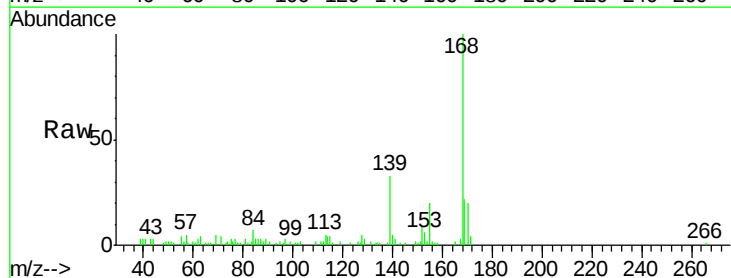
Acq: 26 Sep 2015 22:52

Tgt Ion:168 Resp: 20777

Ion Ratio Lower Upper

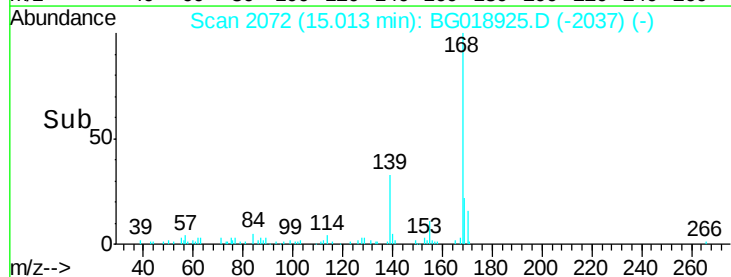
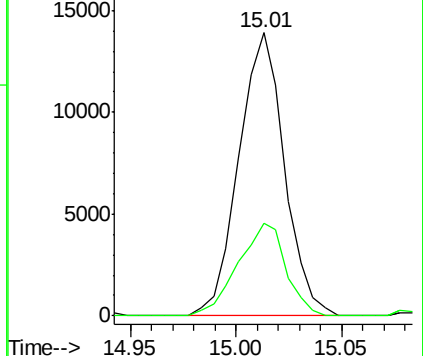
168 100

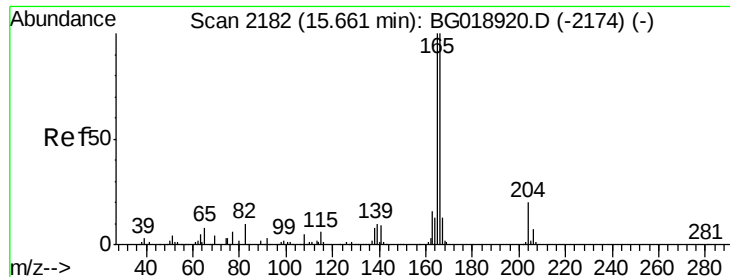
139 32.9 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.50 ng/ul

RT: 15.66 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

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D9G67

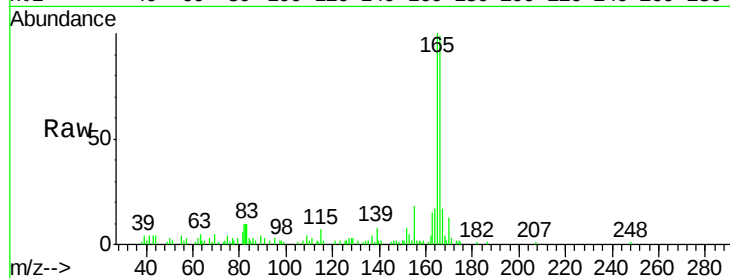
Tot Ion:166 Resp: 20237

Ion Ratio Lower Upper

166 100

165 101.2 82.6 124.0

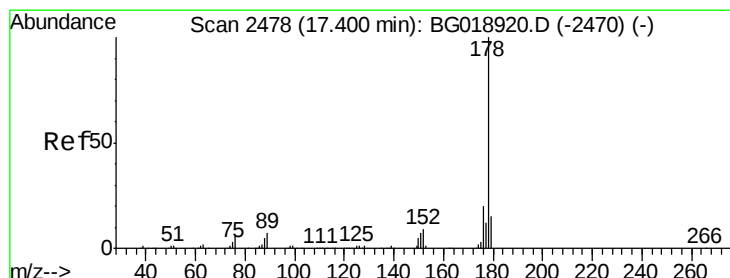
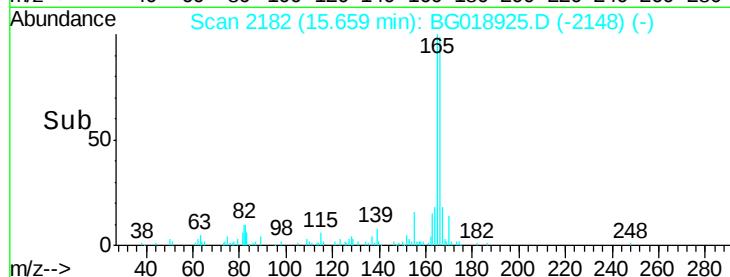
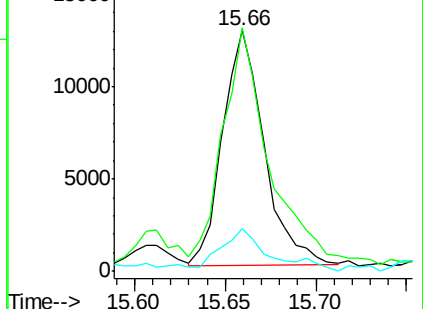
167 17.6 11.4 17.0#



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



#70

Phenanthrene

Concen: 16.21 ng/ul

RT: 17.40 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

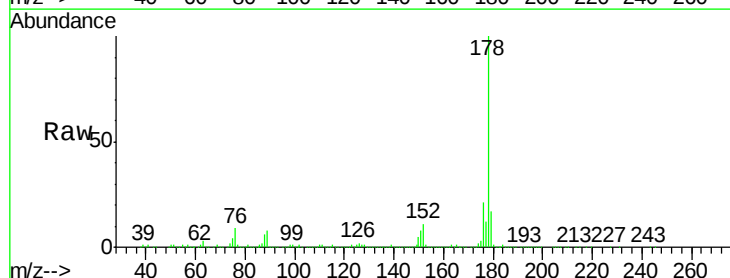
Tgt Ion:178 Resp: 313641

Ion Ratio Lower Upper

178 100

179 16.7 13.7 20.5

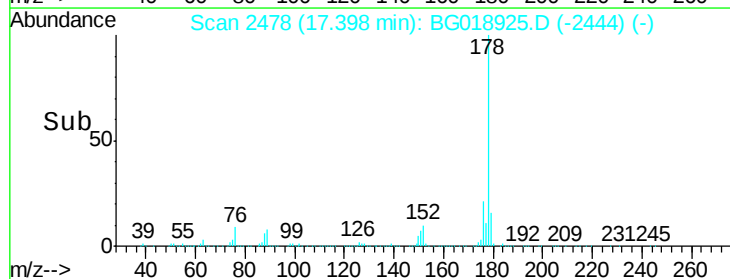
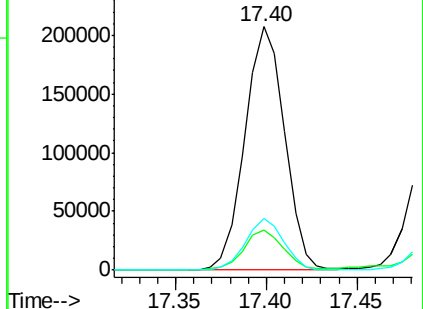
176 21.1 16.6 24.8

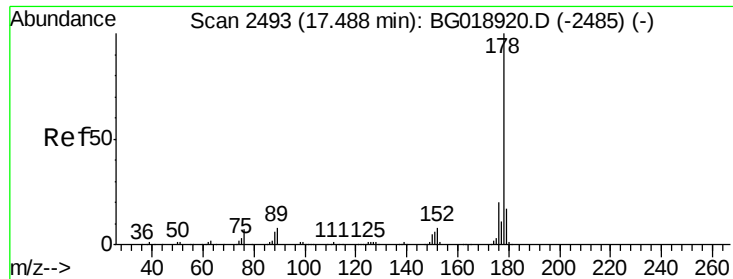


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 8.69 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BG018925.D

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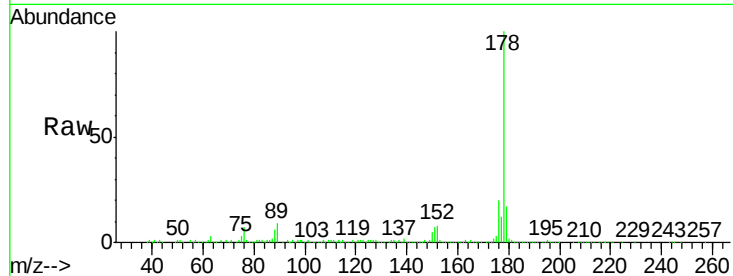
Tot Ion:178 Resp: 168591

Ion Ratio Lower Upper

178 100

179 17.1 13.0 19.4

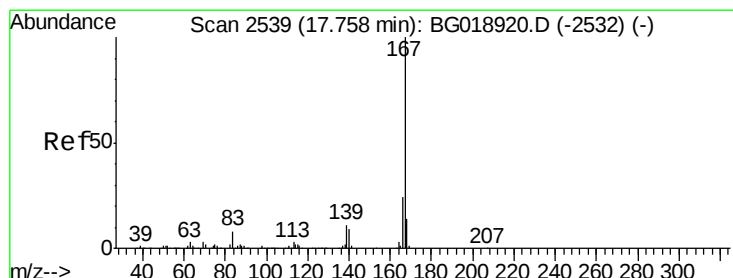
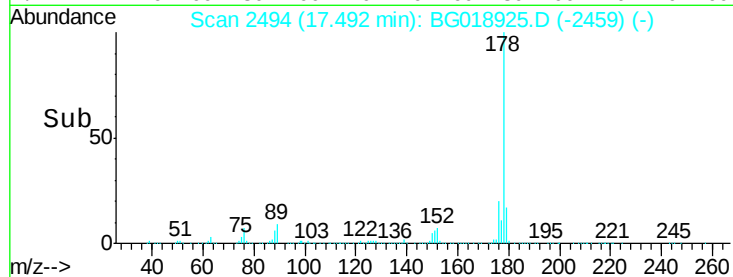
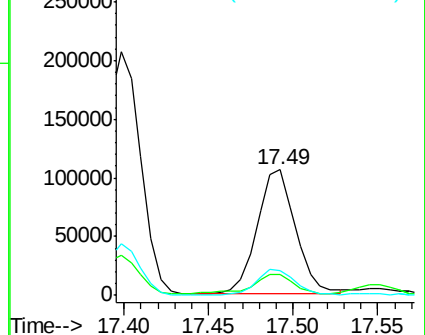
176 20.1 16.0 24.0



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



#75

Carbazole

Concen: 4.01 ng/ul

RT: 17.76 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

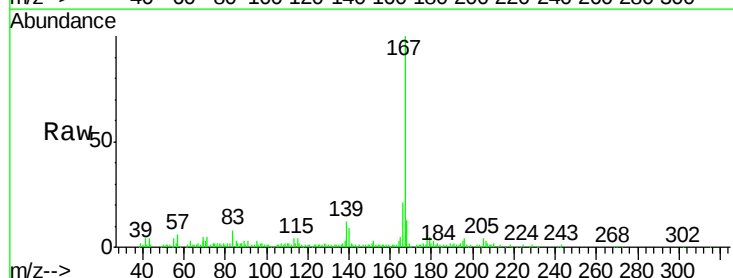
Tgt Ion:167 Resp: 69100

Ion Ratio Lower Upper

167 100

166 20.8 18.9 28.3

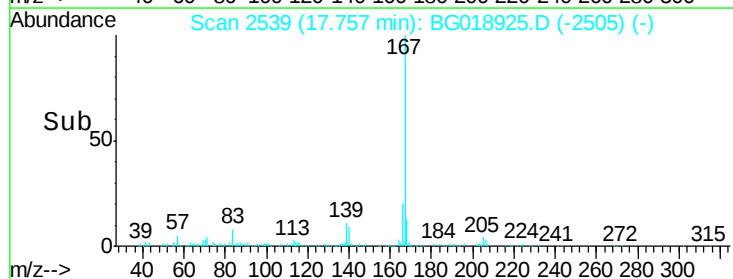
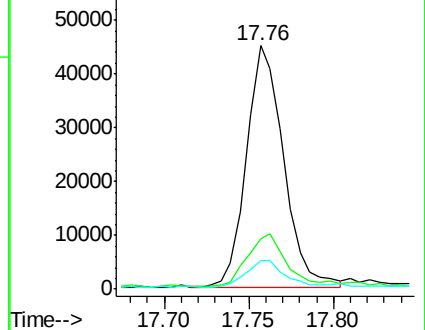
139 11.7 10.1 15.1

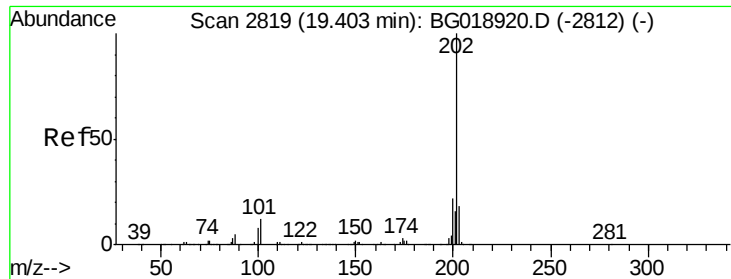


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

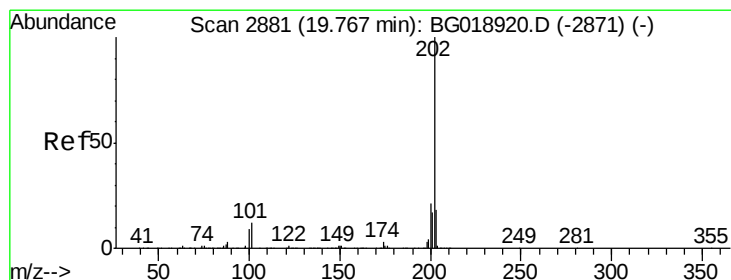
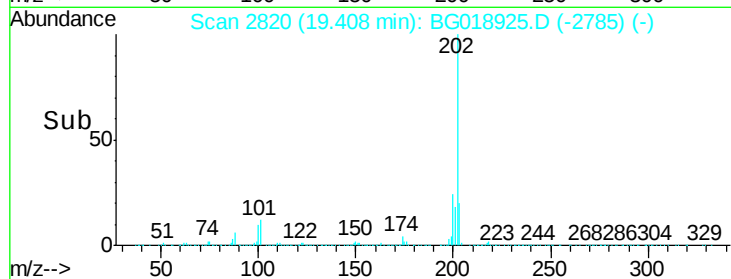
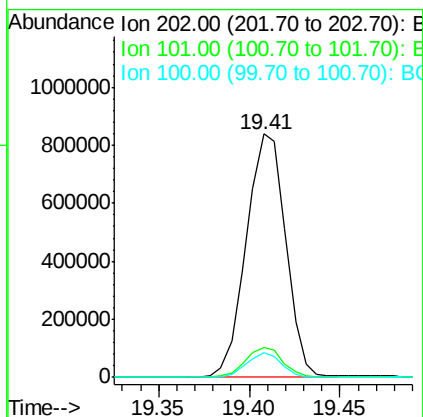
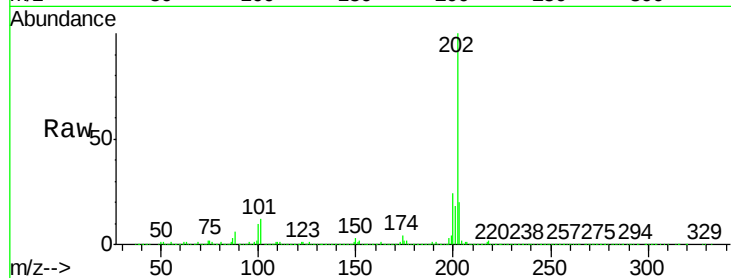




#77
 Fluoranthene
 Concen: 58.76 ng/ul
 RT: 19.41 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: BG018925.D
 Acq: 26 Sep 2015 22:52

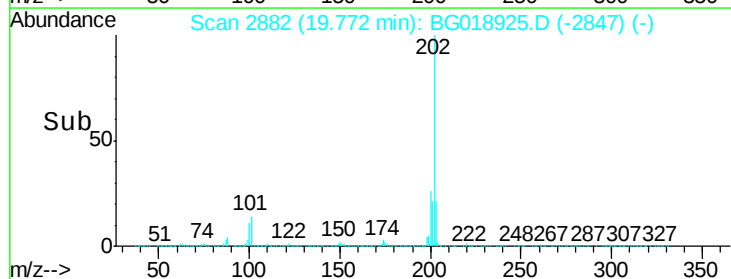
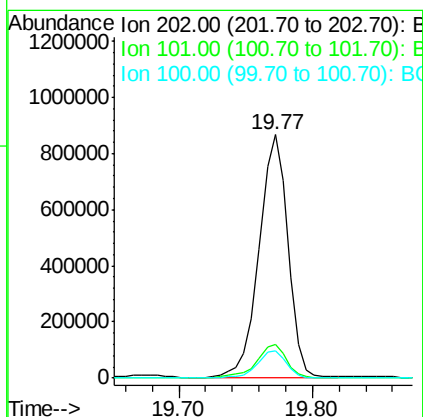
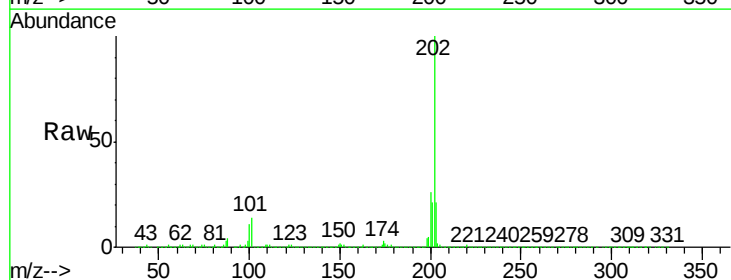
Instrument :
 BNA_G
 ClientSampleId :
 D9G67

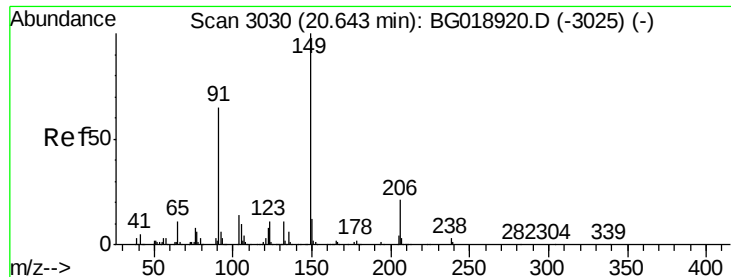
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	10.1	7.8	11.8



#80
 Pyrene
 Concen: 58.98 ng/ul
 RT: 19.77 min Scan# 2882
 Delta R.T. 0.00 min
 Lab File: BG018925.D
 Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.4
100	11.1	9.8	14.6

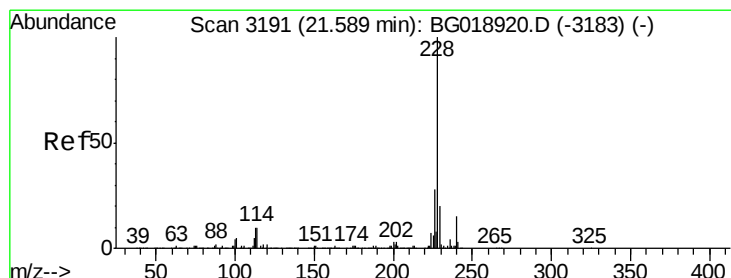
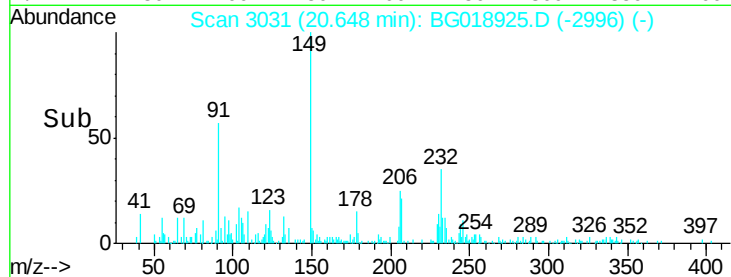
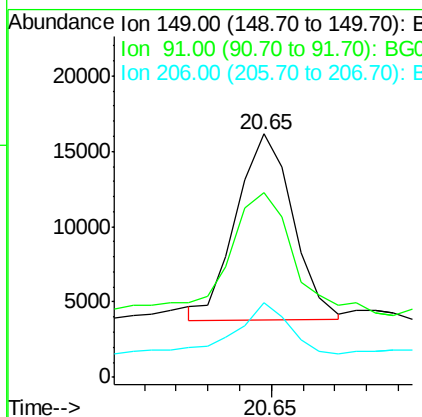
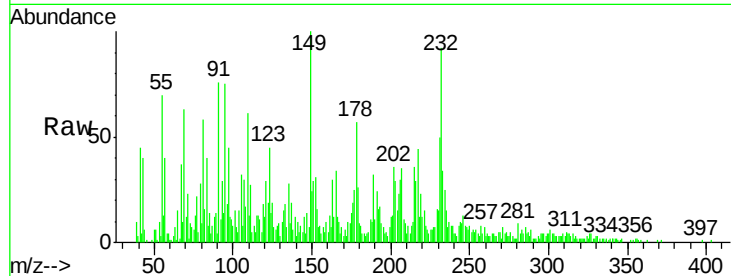




#81
Butylbenzylphthalate
Concen: 1.81 ng/ul
RT: 20.65 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

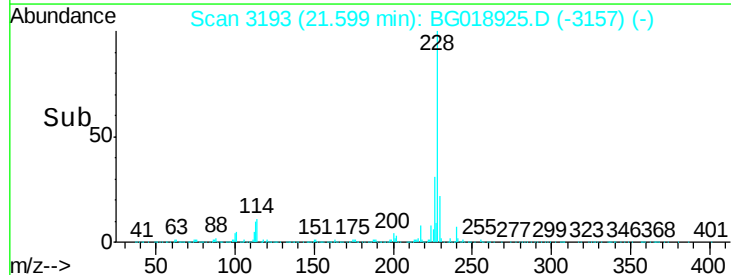
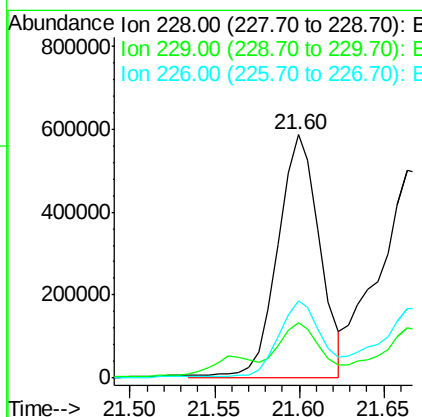
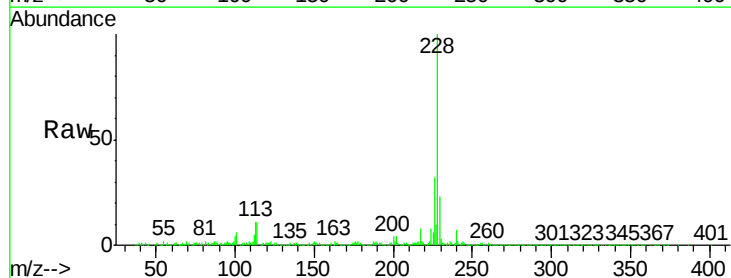
Instrument :
BNA_G
ClientSampleId :
D9G67

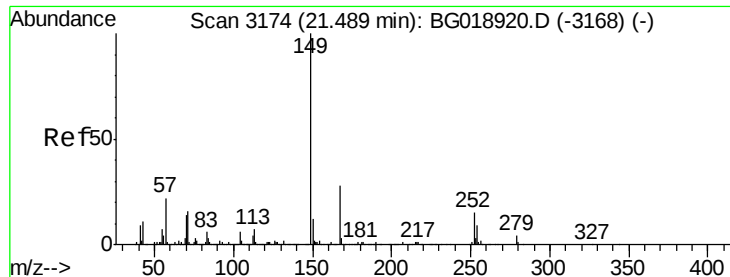
Tot Ion:149 Resp: 15203
Ion Ratio Lower Upper
149 100
91 75.8 57.9 86.9
206 30.5 17.9 26.9#



#83
Benzo(a)anthracene
Concen: 48.82 ng/ul
RT: 21.60 min Scan# 3193
Delta R.T. 0.01 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion:228 Resp: 1005712
Ion Ratio Lower Upper
228 100
229 22.7 15.5 23.3
226 31.5 22.1 33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.11 ng/ul

RT: 21.49 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

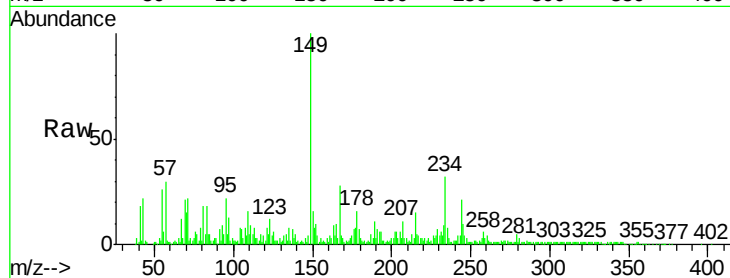
Tot Ion:149 Resp: 75881

Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.2

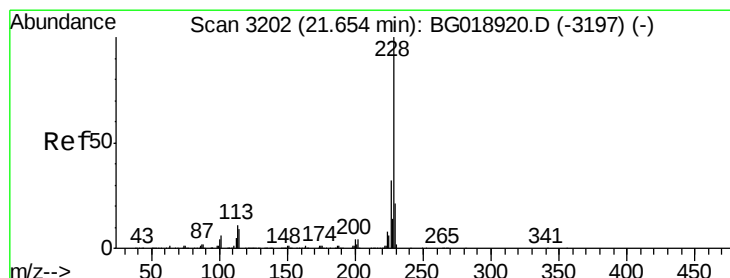
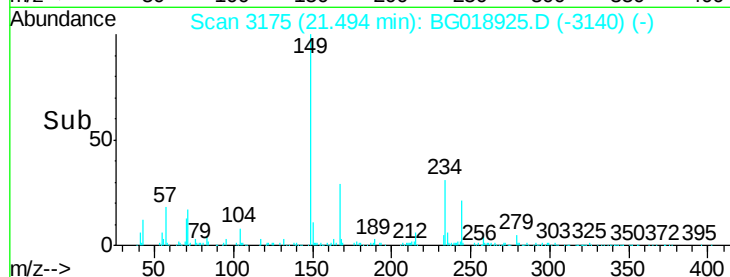
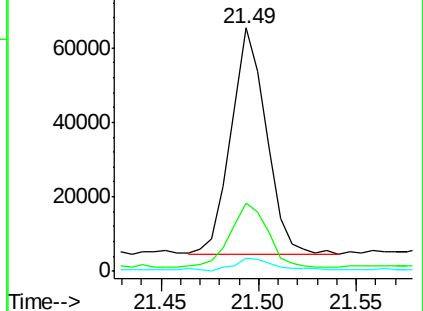
279 5.2 2.8 4.2#



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: 56.80 ng/ul

RT: 21.66 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

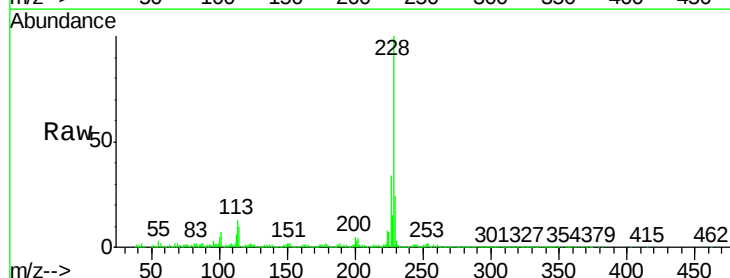
Tgt Ion:228 Resp: 1079479

Ion Ratio Lower Upper

228 100

226 33.5 26.5 39.7

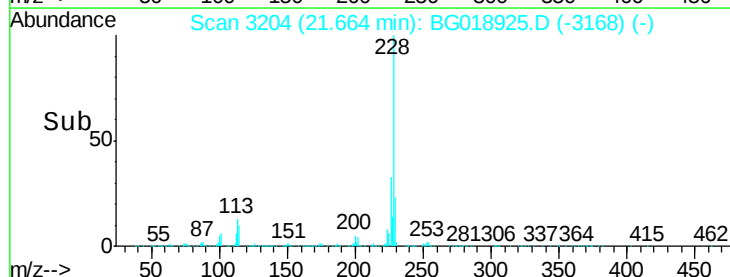
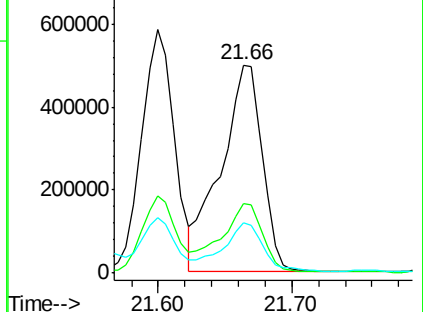
229 24.0 16.9 25.3

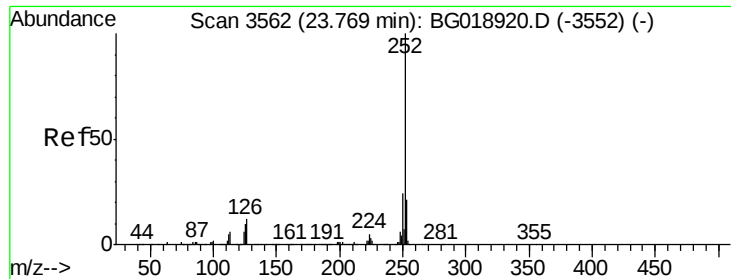


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 82.94 ng/ul

RT: 23.81 min Scan# 3569

Delta R.T. 0.04 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

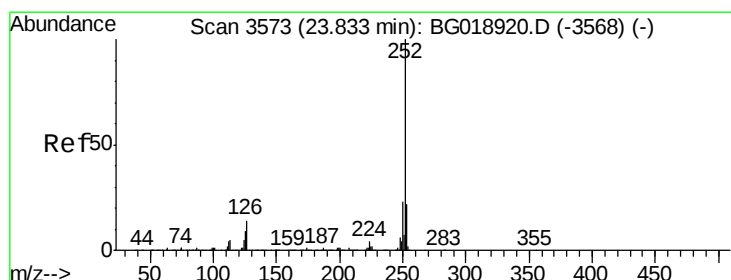
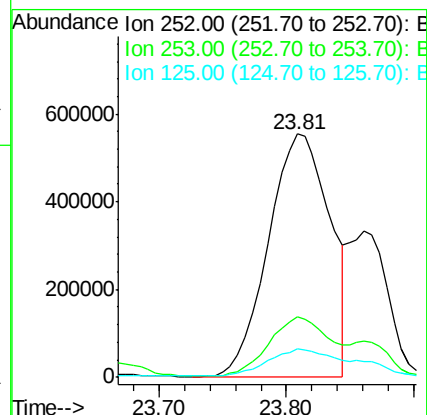
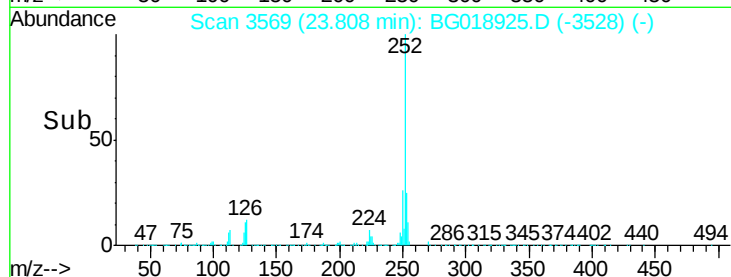
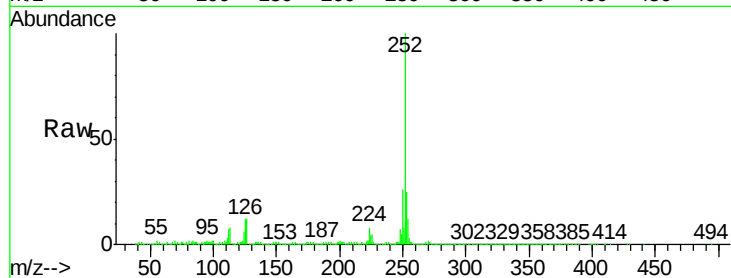
Tot Ion:252 Resp: 1862432

Ion Ratio Lower Upper

252 100

253 25.1 18.1 27.1

125 11.8 8.3 12.5



#89

Benzo(k)fluoranthene

Concen: 86.59 ng/ul

RT: 23.81 min Scan# 3569

Delta R.T. -0.02 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

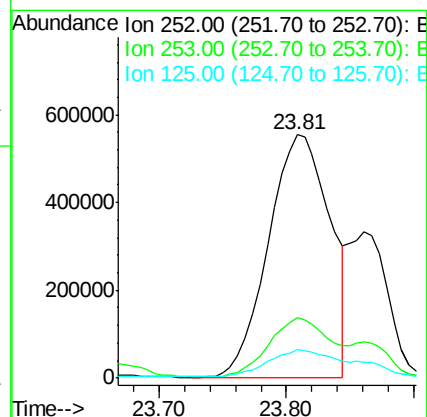
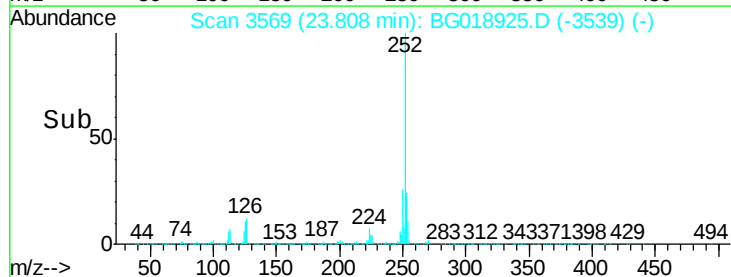
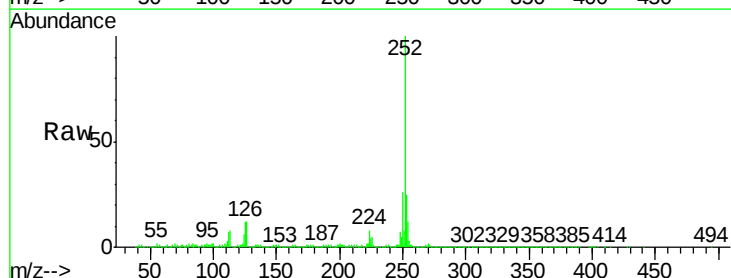
Tgt Ion:252 Resp: 1862432

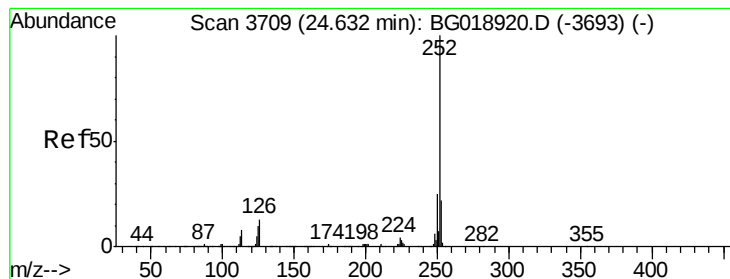
Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

125 11.8 9.0 13.4





#91

Benzo(a)pyrene

Concen: 52.11 ng/ul

RT: 24.67 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

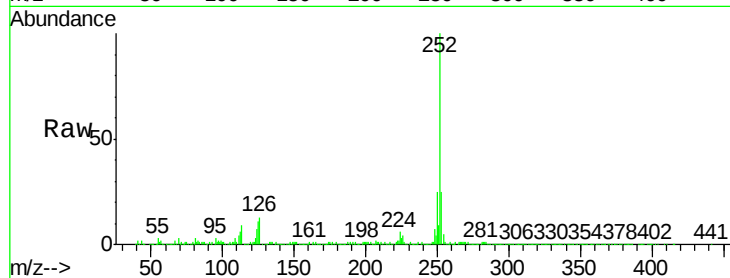
BNA_G

ClientSampleId :

D9G67

Tot Ion:252 Resp: 1112160

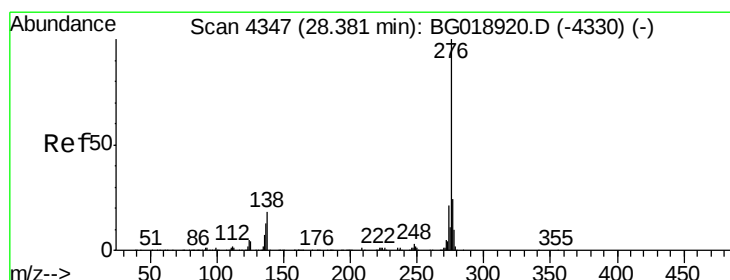
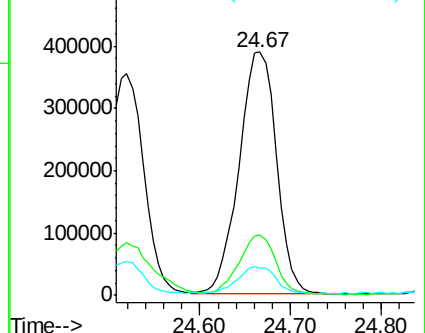
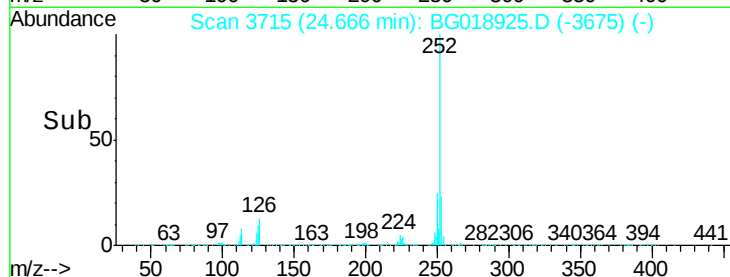
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	11.2	10.2	15.2



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: 34.88 ng/ul

RT: 28.46 min Scan# 4360

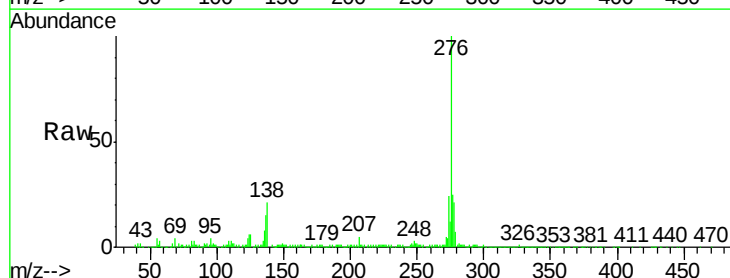
Delta R.T. 0.08 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt Ion:276 Resp: 863142

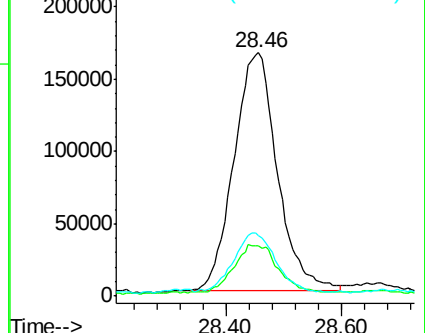
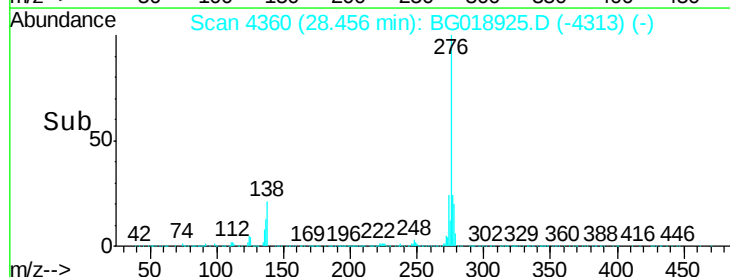
Ion	Ratio	Lower	Upper
276	100		
138	20.9	15.8	23.6
277	24.9	18.9	28.3

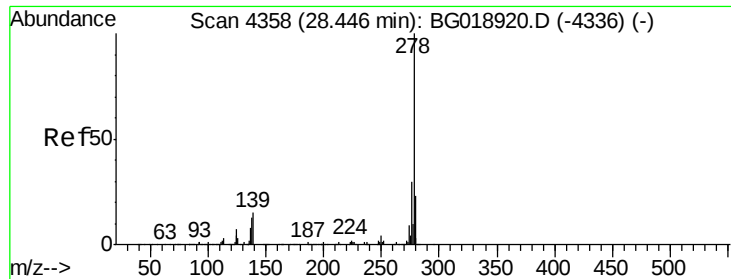


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 11.22 ng/ul

RT: 28.48 min Scan# 4364

Delta R.T. 0.03 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

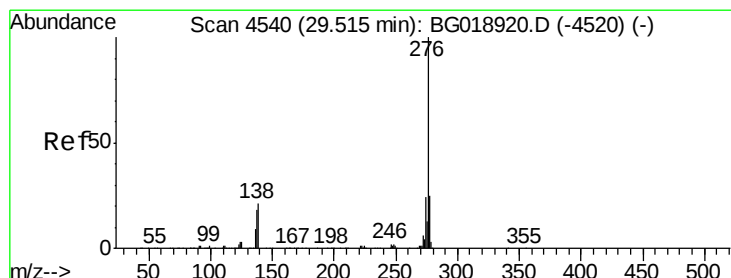
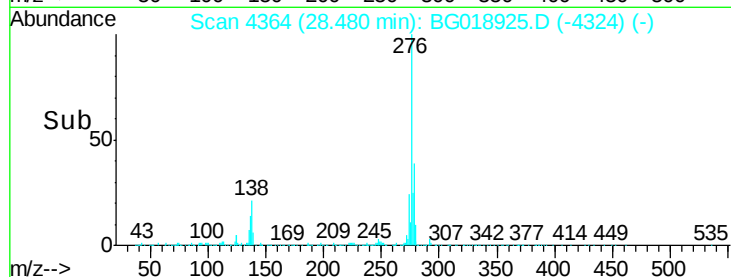
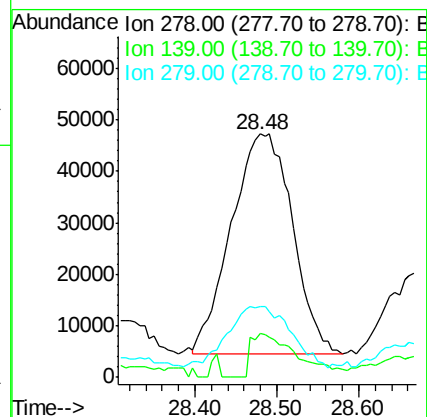
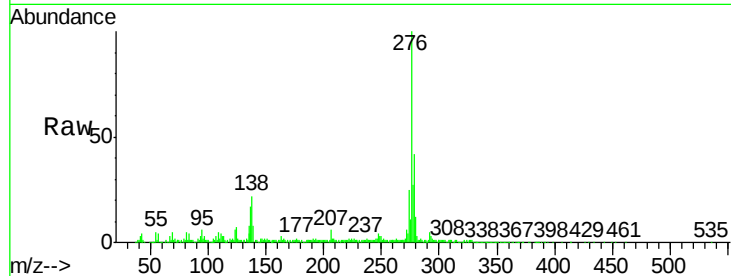
Tot Ion:278 Resp: 222893

Ion Ratio Lower Upper

278 100

139 18.0 13.8 20.6

279 29.2 17.8 26.8#



#94

Benzo(g,h,i)perylene

Concen: 38.48 ng/ul

RT: 29.60 min Scan# 4554

Delta R.T. 0.08 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt Ion:276 Resp: 794830

Ion Ratio Lower Upper

276 100

138 22.5 16.5 24.7

277 23.8 19.0 28.6

