

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021892.D
 Acq On : 15 May 2016 14:14
 Operator : UM/SJ
 Sample : H3096-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

Quant Time: May 16 01:28:39 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50035	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	284556	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	181987	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	393598	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	405266	20.00	ng/ul	0.01
84) Perylene-d12	24.94	264	368248	20.00	ng/ul	-0.20

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2926	2.82	ng/uL	0.00
5) Phenol-d5	7.31	99	69166	18.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	33613	18.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	67177	23.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	49958	16.02	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	36657	19.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	39012	33.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.75	165	241	0.07	ng/ul	0.15
29) 4-Chloroaniline-d4	11.12	131	66508	18.48	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	269017	21.05	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	355419	19.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	19777	9.03	ng/ul	0.00
58) Fluorene-d10	15.78	176	248259	18.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	30502	27.98	ng/ul	0.00
71) Anthracene-d10	17.63	188	367172	19.16	ng/ul	0.00
77) Pyrene-d10	19.91	212	387953	20.45	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	368248	21.05	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	7.69	77	1089	2.70	ng/ul 89
28) Naphthalene	11.03	128	477026	33.43	ng/ul 99
30) 4-Chloroaniline	11.03	127	62818	17.24	ng/ul# 2
34) 2-Methylnaphthalene	12.63	142	78284	7.45	ng/ul 98
35) 1-Methylnaphthalene	12.84	142	46263	4.44	ng/ul# 99
41) 1,1'-Biphenyl	13.63	154	24469	1.73	ng/ul 92
45) Dimethylphthalate	14.23	163	124749	9.58	ng/ul 99
50) Acenaphthene	14.85	153	379059	29.34	ng/ul 98
59) Fluorene	15.84	166	254957	17.02	ng/ul 99
69) Pentachlorophenol	17.19	266	5010	2.76	ng/ul 93
70) Phenanthrene	17.67	178	704106	32.72	ng/ul 95
72) Anthracene	17.67	178	704106	32.21	ng/ul 98
73) Carbazole	17.93	167	550854	29.07	ng/ul# 96
75) Fluoranthene	19.58	202	3140158	128.44	ng/ul# 73
78) Pyrene	19.95	202	2852892	121.68	ng/ul# 75
81) Benzo(a)anthracene	21.80	228	2017914	89.47	ng/ul# 87
82) Bis(2-ethylhexyl)phthalate	21.69	149	18593	2.20	ng/ul# 97
83) Chrysene	21.88	228	1880005	84.27	ng/ul# 86
89) Benzo(a)pyrene	24.87	252	1529155	72.88	ng/ul# 87
91) Dibenzo(a,h)anthracene	28.87	278	37535	1.81	ng/ul 95
92) Benzo(a,h,i)perylene	29.65	276	67439	3.29	ng/ul# 19

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QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

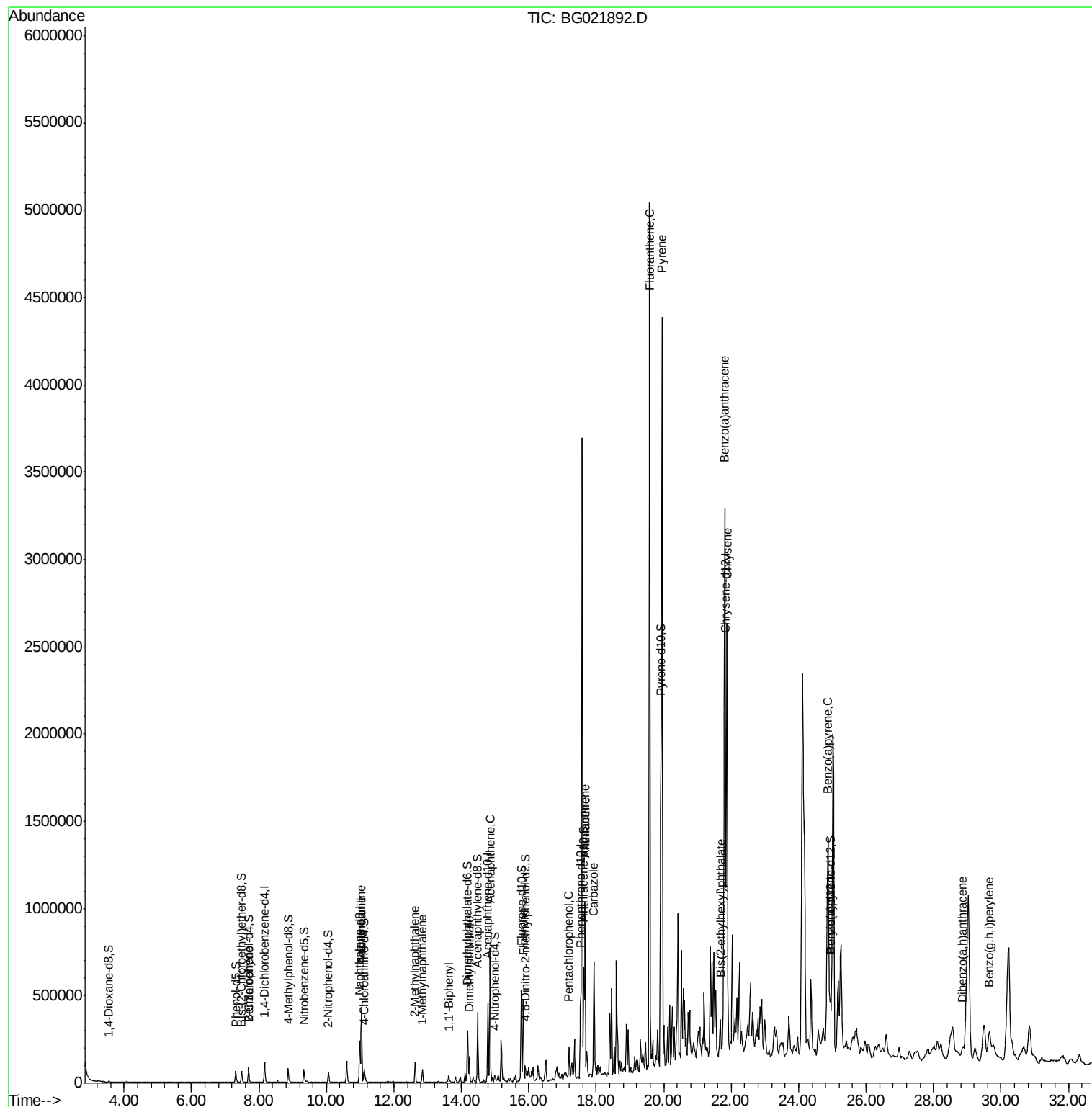
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

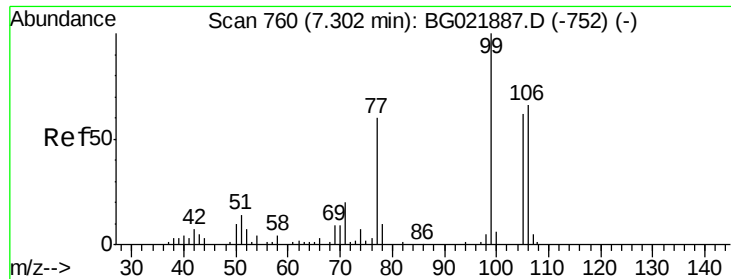
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.70 ng/ul

RT: 7.69 min Scan# 826

Delta R.T. 0.39 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampleId :

D9XF9

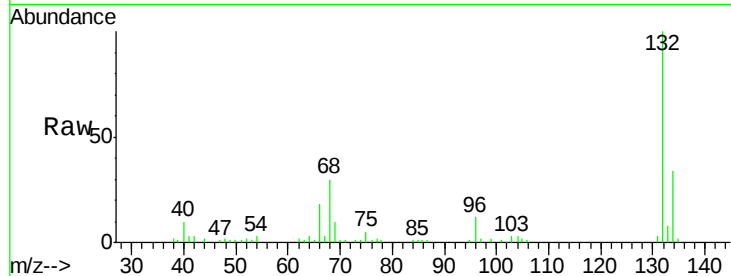
Tot Ion: 77 Resp: 1089

Ion Ratio Lower Upper

77 100

105 94.3 68.5 102.7

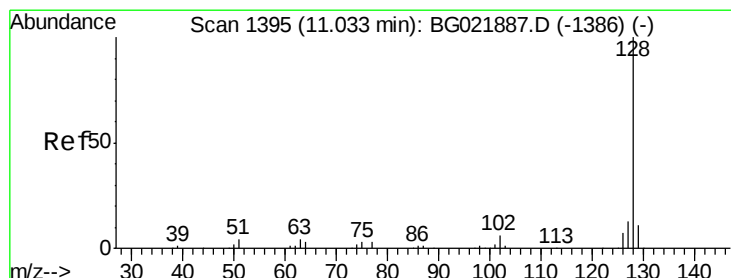
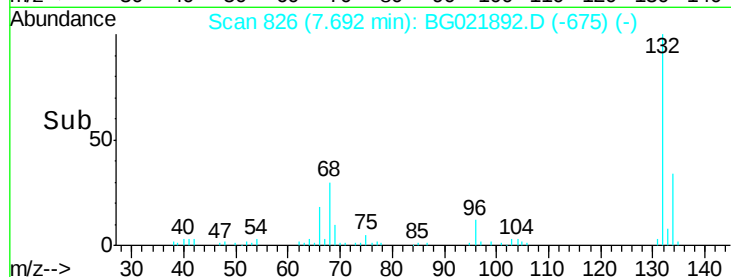
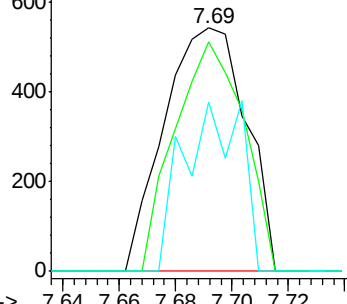
106 69.6 65.0 97.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#28

Naphthalene

Concen: 33.43 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

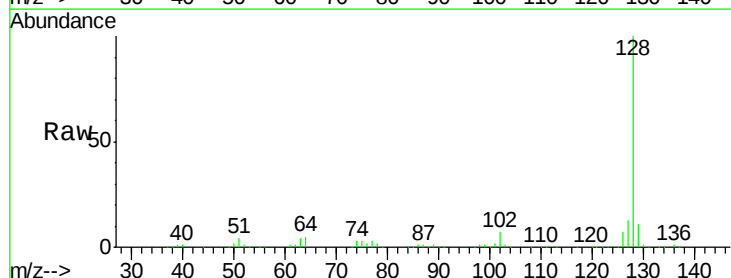
Tgt Ion: 128 Resp: 477026

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

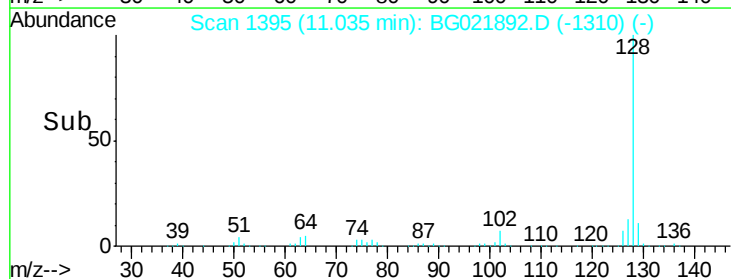
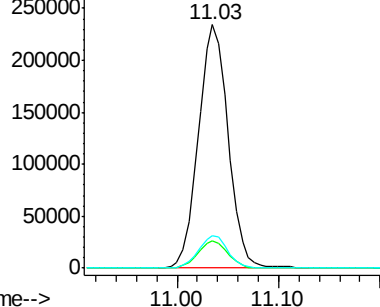
127 13.2 10.8 16.2

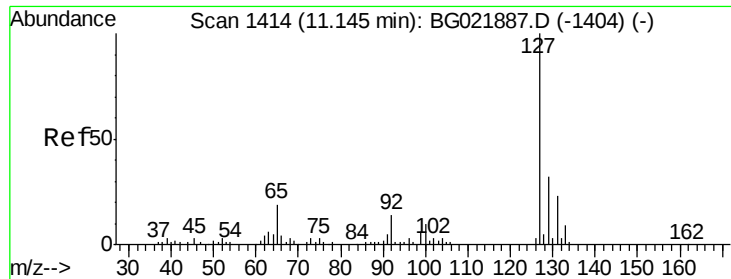


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

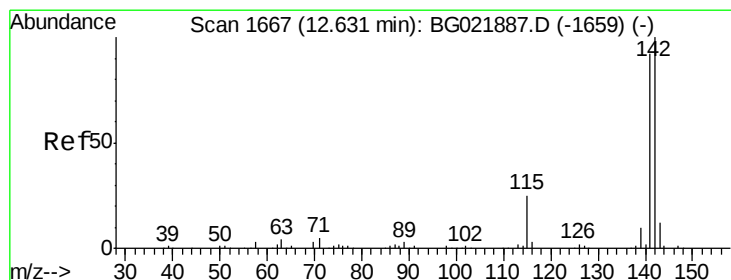
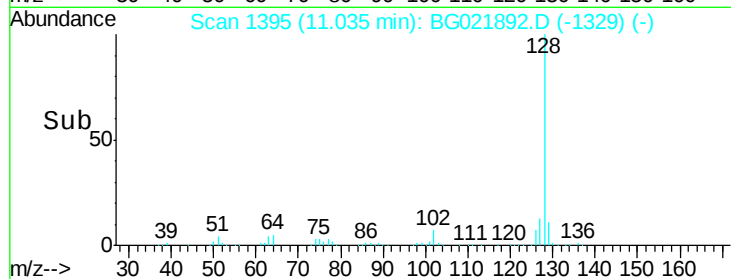
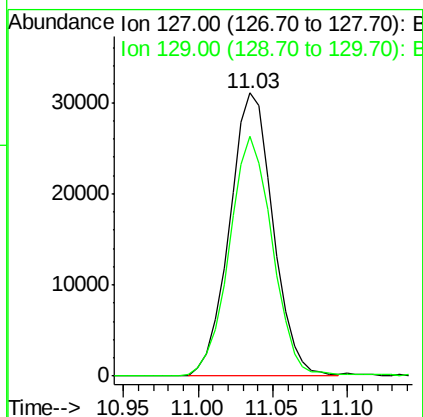
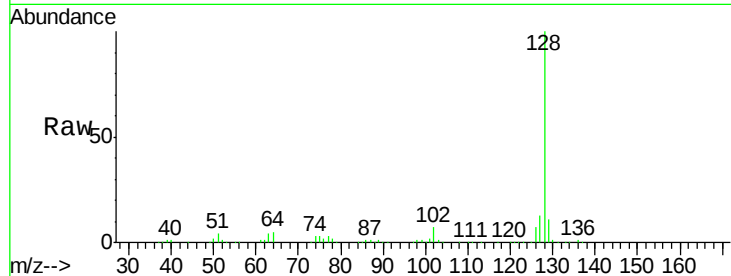




#30
4-Chloroaniline
Concen: 17.24 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. -0.11 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

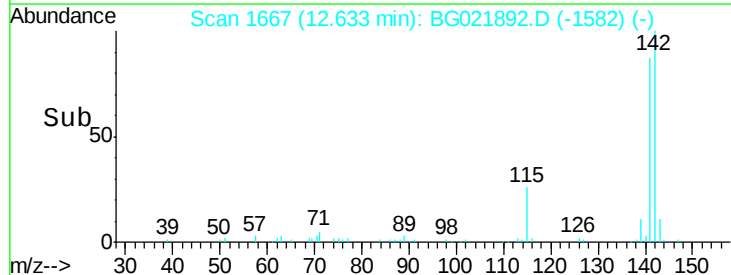
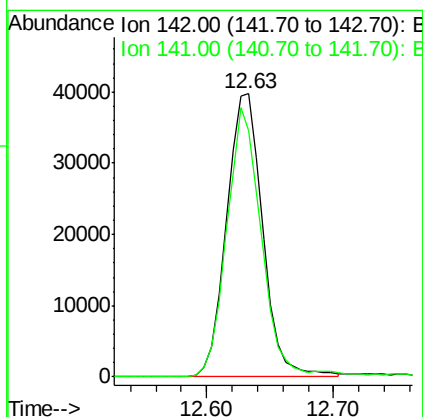
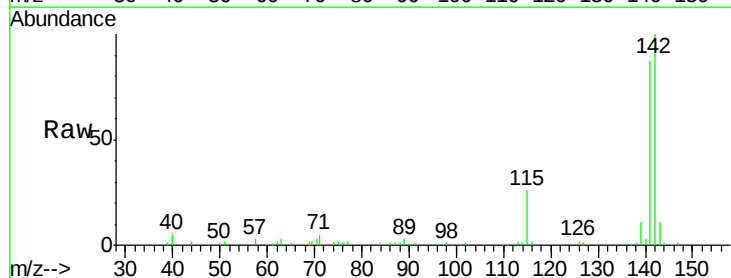
Instrument :
BNA_G
ClientSampleId :
D9XF9

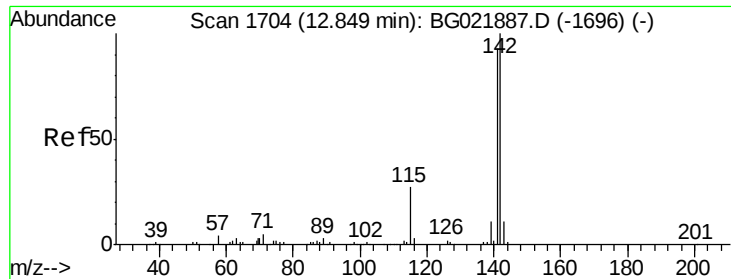
Tot Ion:127 Resp: 62818
Ion Ratio Lower Upper
127 100
129 84.6 24.8 37.2#



#34
2-Methylnaphthalene
Concen: 7.45 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion:142 Resp: 78284
Ion Ratio Lower Upper
142 100
141 86.9 71.3 106.9

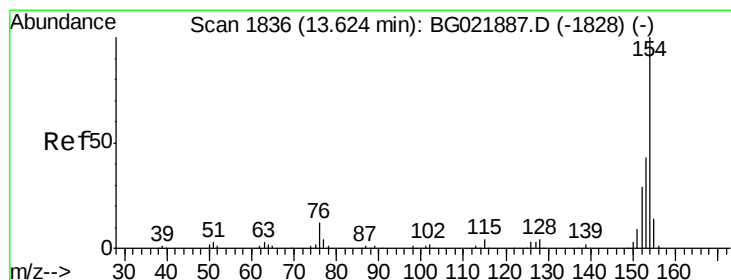
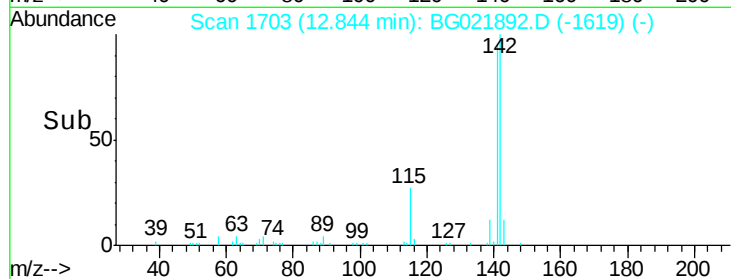
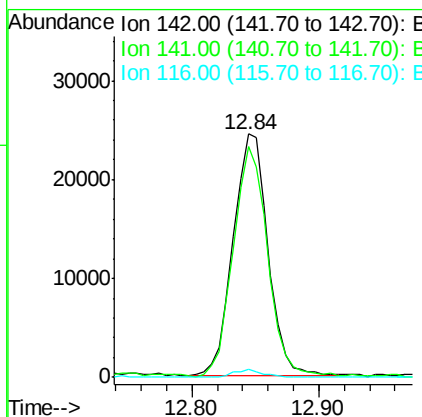
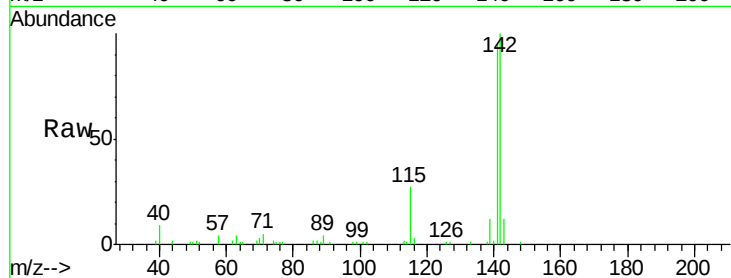




#35
 1-Methylnaphthalene
 Concen: 4.44 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

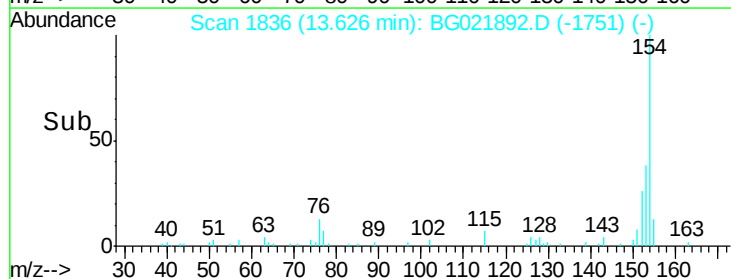
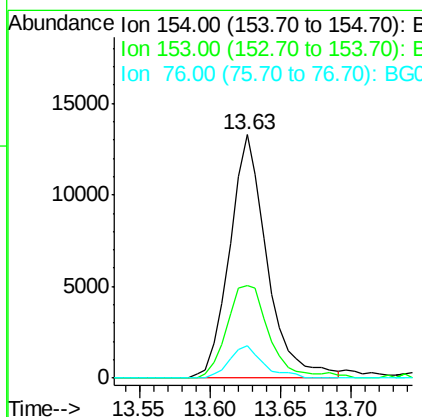
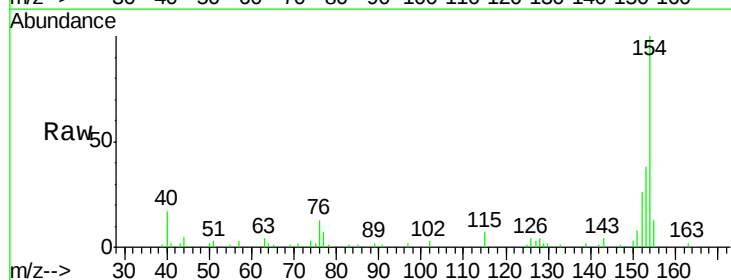
Instrument :
 BNA_G
 ClientSampleId :
 D9XF9

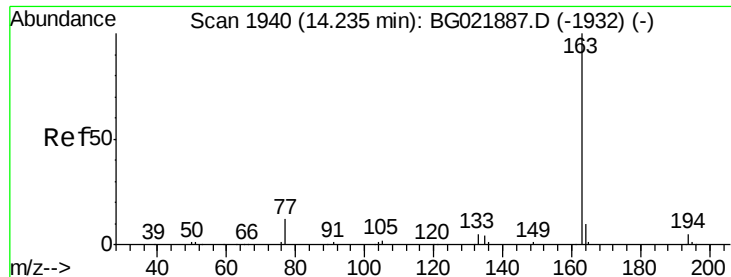
Tot Ion:142 Resp: 46263
 Ion Ratio Lower Upper
 142 100
 141 95.0 77.0 115.4
 116 3.4 4.2 6.4#



#41
 1,1'-Biphenyl
 Concen: 1.73 ng/ul
 RT: 13.63 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BG021892.D
 Acq: 15 May 2016 14:14

Tgt Ion:154 Resp: 24469
 Ion Ratio Lower Upper
 154 100
 153 38.2 35.4 53.2
 76 13.3 12.1 18.1





#45

Dimethylphthalate

Concen: 9.58 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampleId :

D9XF9

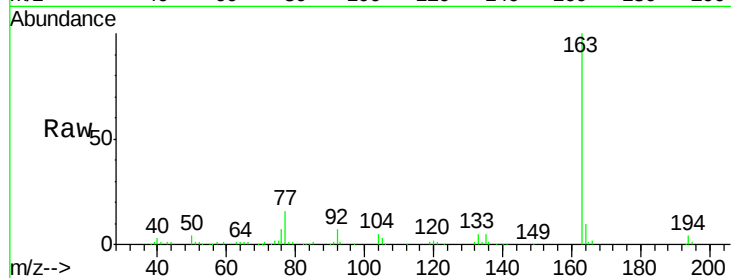
Tot Ion:163 Resp: 124749

Ion Ratio Lower Upper

163 100

194 4.5 3.9 5.9

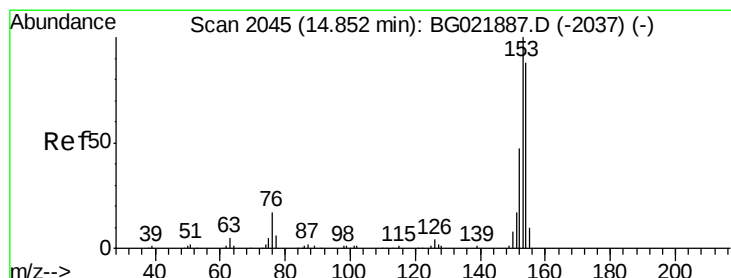
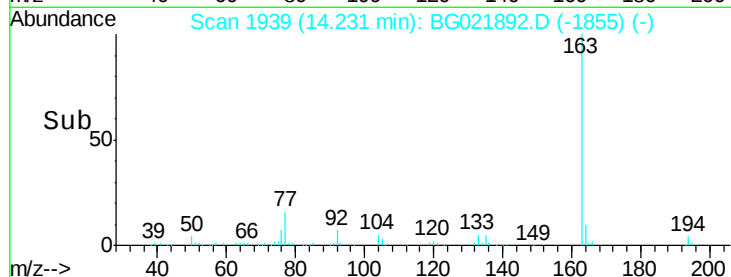
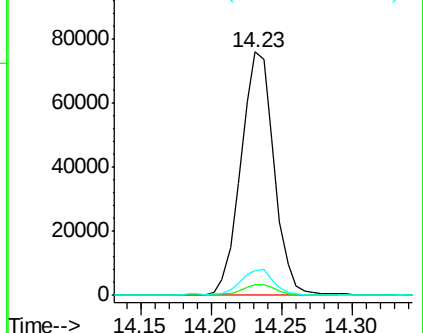
164 10.4 8.7 13.1



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: 29.34 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

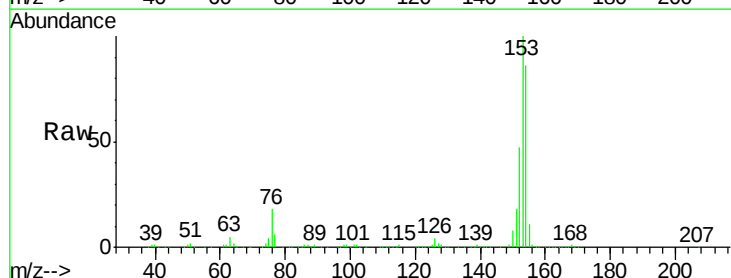
Tgt Ion:153 Resp: 379059

Ion Ratio Lower Upper

153 100

152 47.2 36.5 54.7

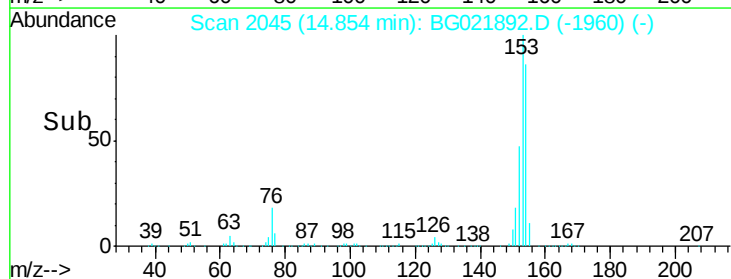
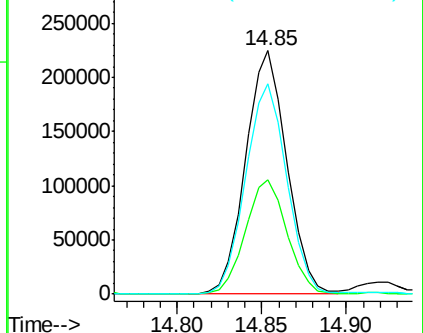
154 86.2 67.3 100.9

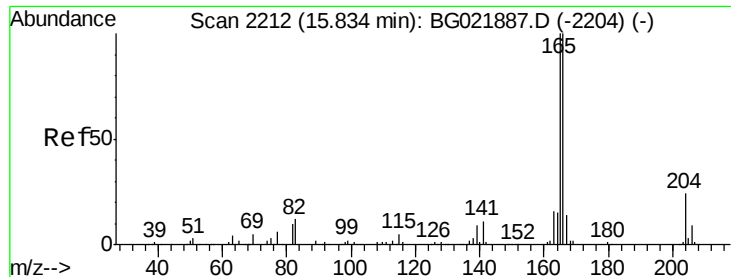


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 17.02 ng/ul

RT: 15.84 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

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ClientSampleId :

D9XF9

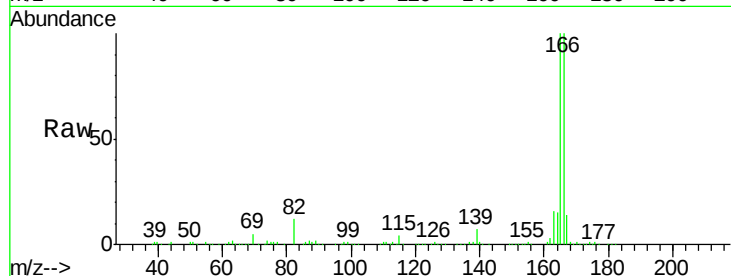
Tot Ion:166 Resp: 254957

Ion Ratio Lower Upper

166 100

165 100.2 81.1 121.7

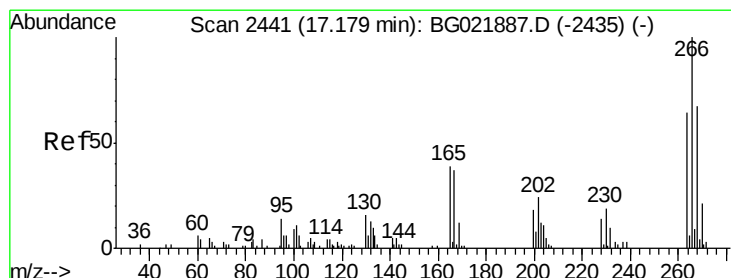
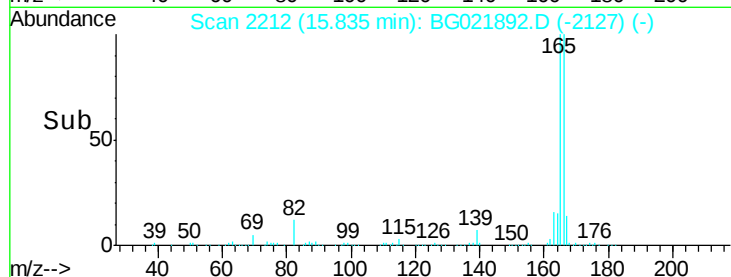
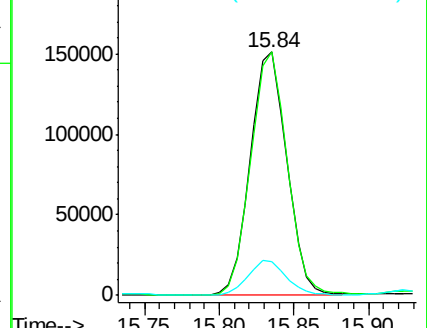
167 13.8 10.6 16.0



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



#69

Pentachlorophenol

Concen: 2.76 ng/ul

RT: 17.19 min Scan# 2442

Delta R.T. 0.01 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

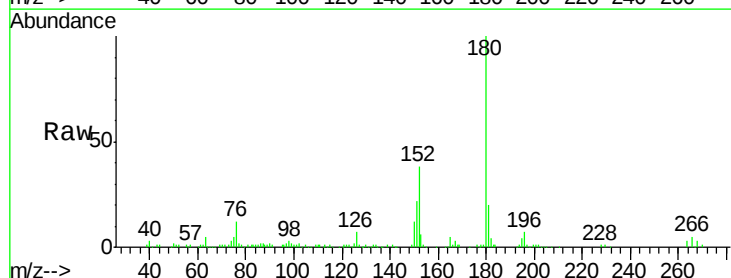
Tgt Ion:266 Resp: 5010

Ion Ratio Lower Upper

266 100

264 63.8 56.7 85.1

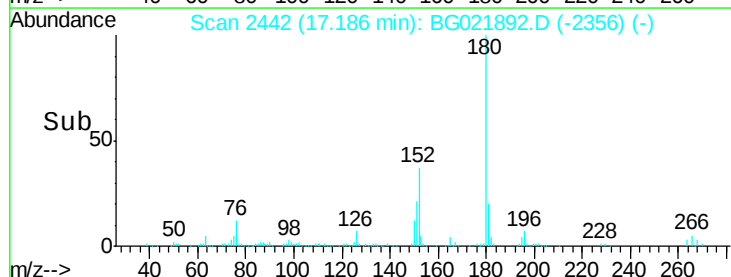
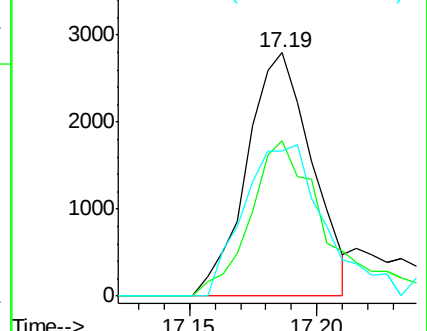
268 59.7 50.6 76.0

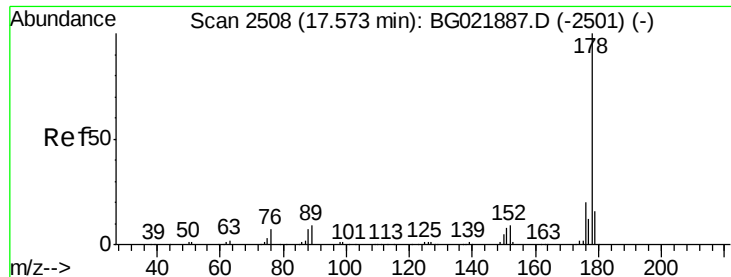


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 32.72 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.10 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

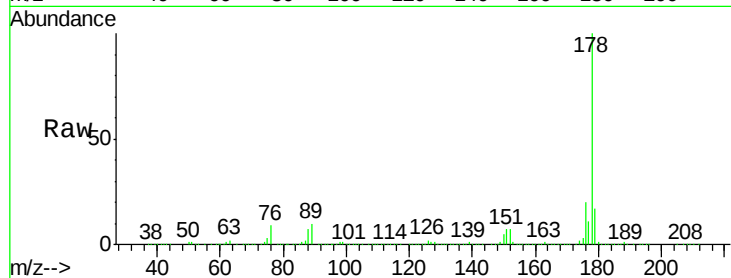
BNA_G

ClientSampleId :

D9XF9

Tot Ion:178 Resp: 704106

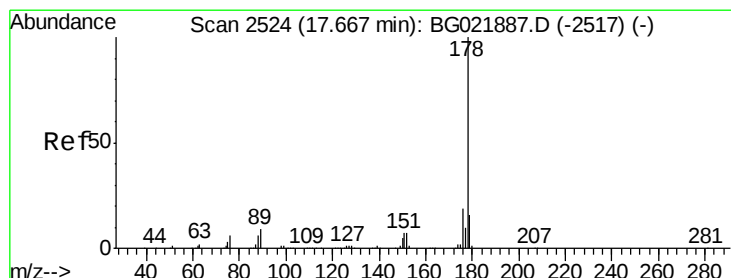
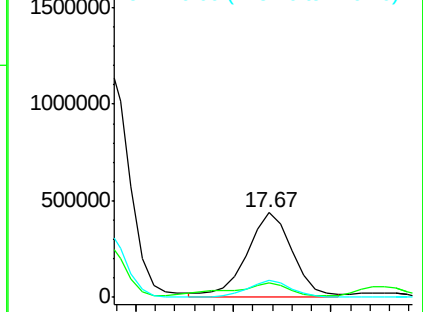
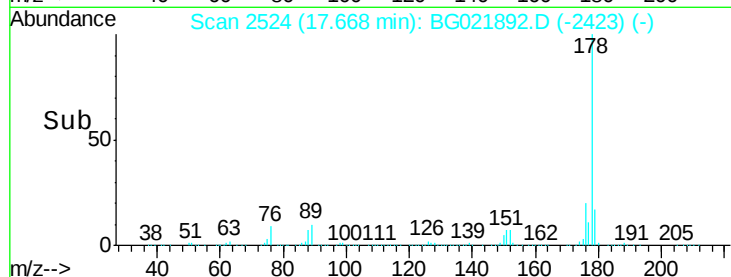
Ion	Ratio	Lower	Upper
178	100		
179	17.4	11.8	17.8
176	20.0	14.8	22.2



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: 32.21 ng/ul

RT: 17.67 min Scan# 2524

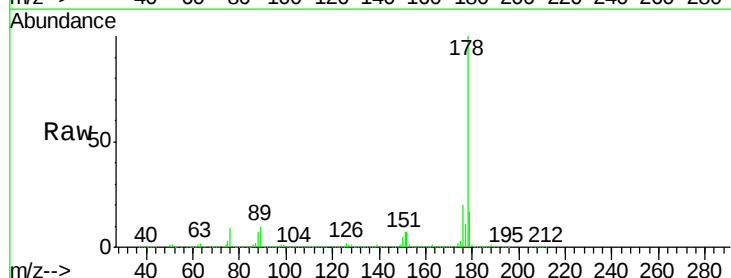
Delta R.T. 0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Tgt Ion:178 Resp: 704106

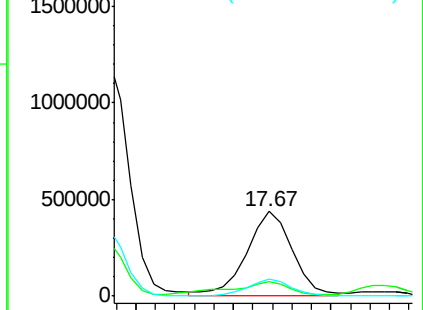
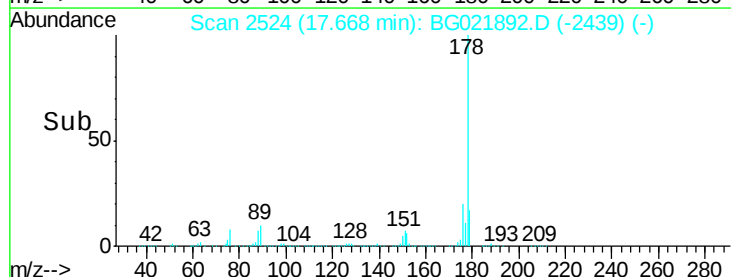
Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.9	19.3
176	20.0	15.6	23.4

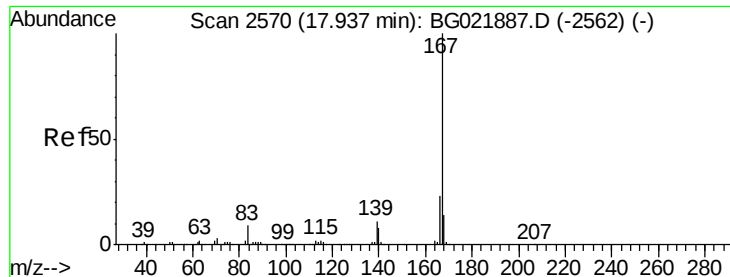


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Carbazole

Concen: 29.07 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampleId :

D9XF9

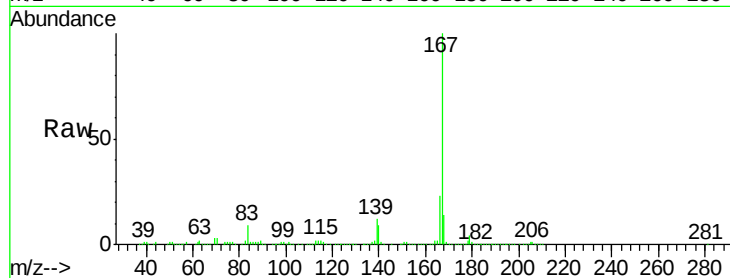
Tot Ion:167 Resp: 550854

Ion Ratio Lower Upper

167 100

166 23.4 19.0 28.4

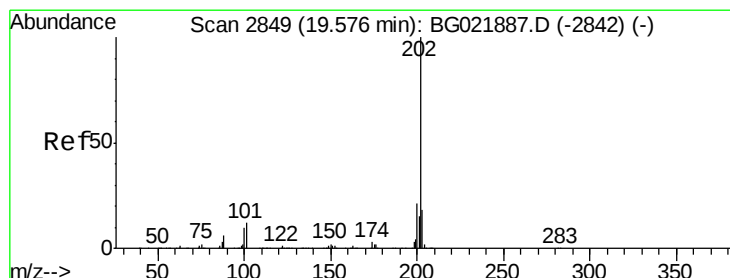
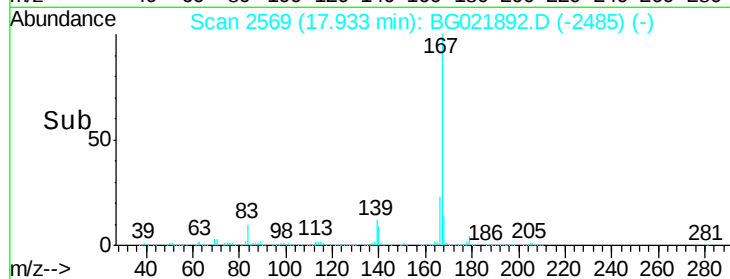
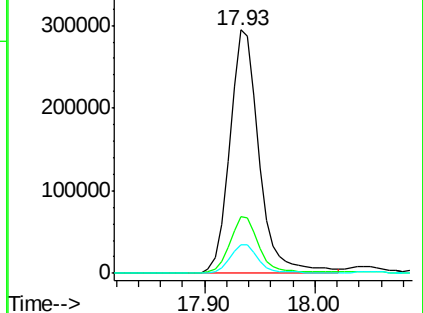
139 11.9 12.2 18.4#



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



#75

Fluoranthene

Concen: 128.44 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

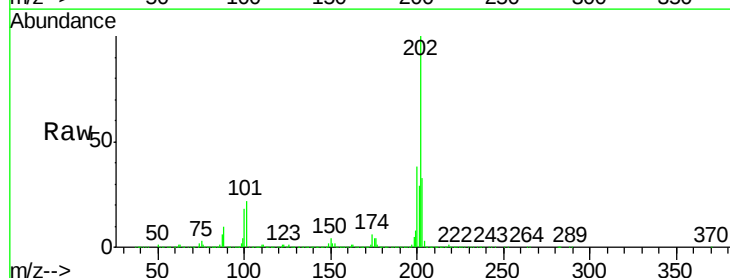
Tgt Ion:202 Resp: 3140158

Ion Ratio Lower Upper

202 100

101 22.0 8.9 13.3#

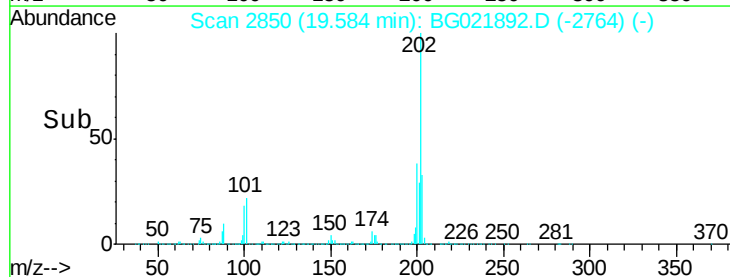
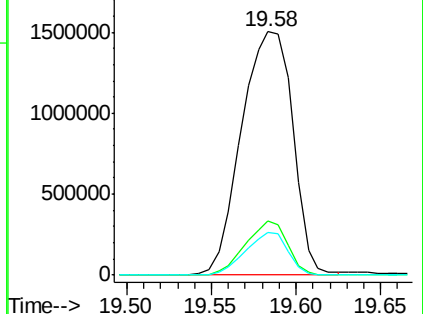
100 17.7 7.0 10.4#

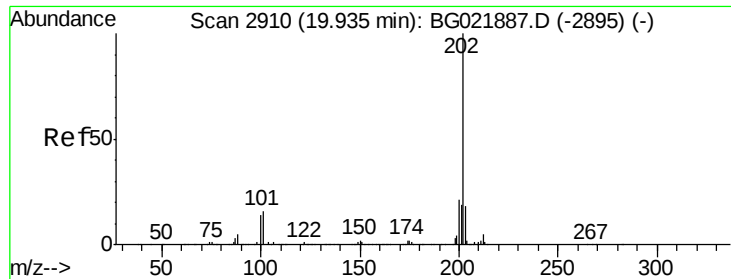


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

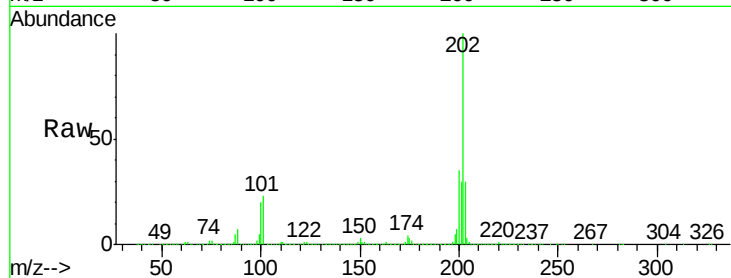




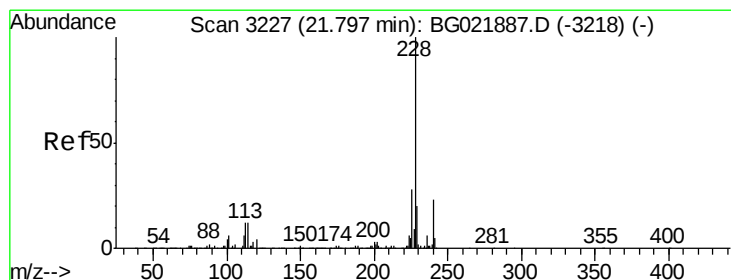
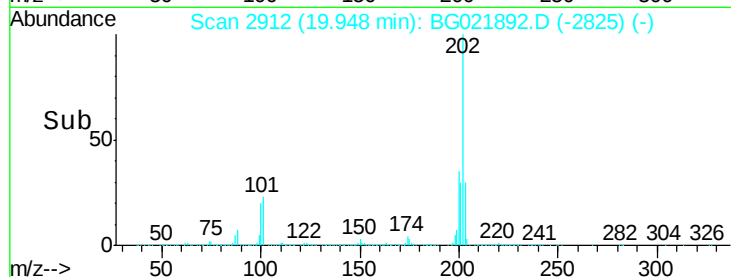
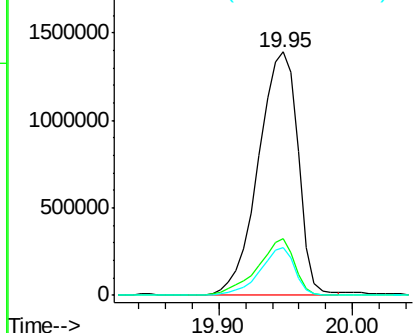
#78
Pvrene
Concen: 121.68 ng/ul
RT: 19.95 min Scan# 2912
Delta R.T. 0.01 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Instrument :
BNA_G
ClientSampleId :
D9XF9

Tot Ion:202 Resp: 2852892
Ion Ratio Lower Upper
202 100
101 23.1 9.8 14.8#
100 19.8 9.3 13.9#

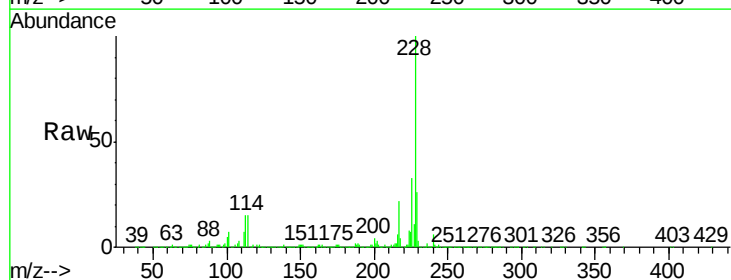


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

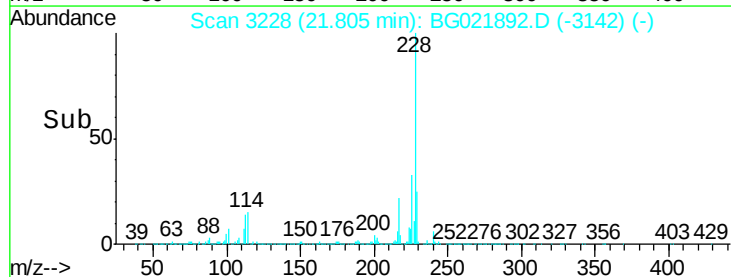
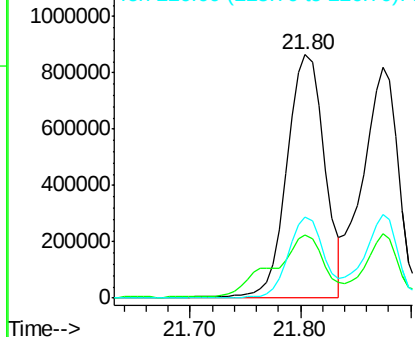


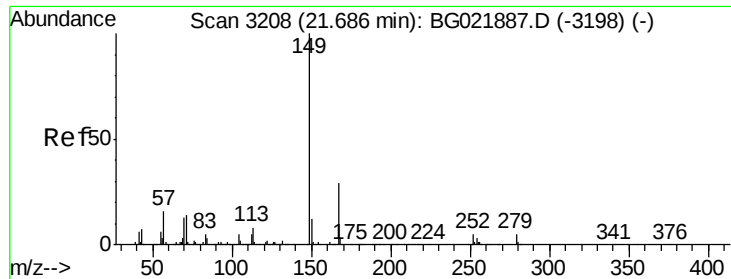
#81
Benzo(a)anthracene
Concen: 89.47 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion:228 Resp: 2017914
Ion Ratio Lower Upper
228 100
229 25.9 16.6 25.0#
226 33.4 21.0 31.4#



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





#82

Bis(2-ethylhexyl)phthalate

Concen: 2.20 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampleId :

D9XF9

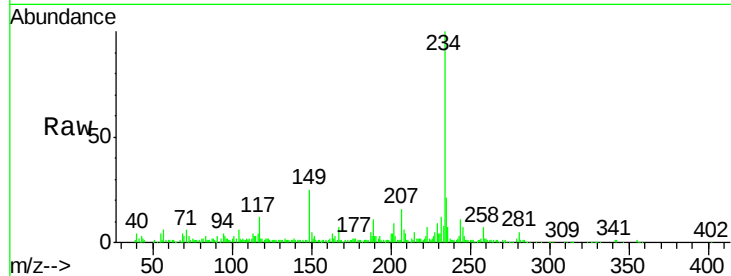
Tot Ion:149 Resp: 18593

Ion Ratio Lower Upper

149 100

167 27.0 20.5 30.7

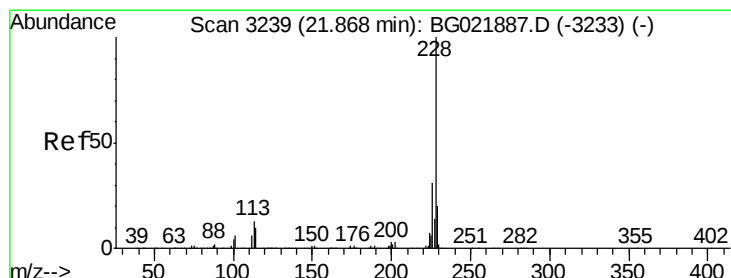
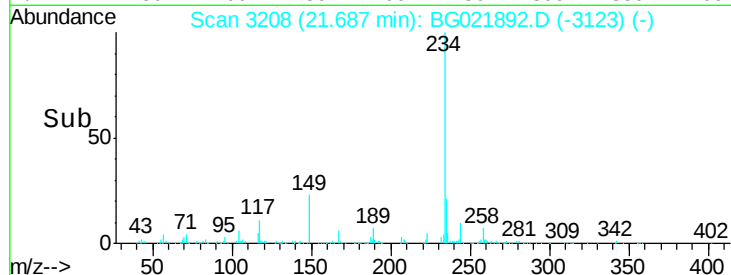
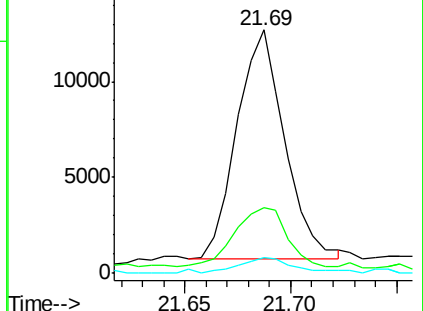
279 6.4 3.7 5.5#



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



#83

Chrysene

Concen: 84.27 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

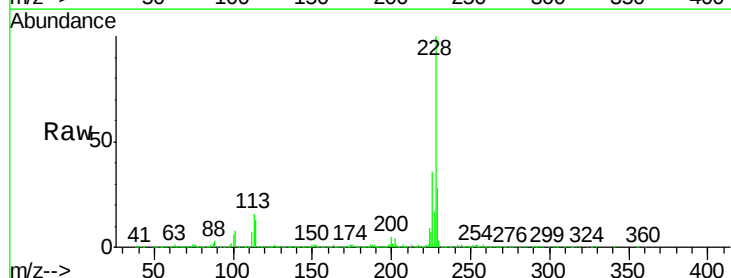
Tgt Ion:228 Resp: 1880005

Ion Ratio Lower Upper

228 100

226 36.0 23.4 35.2#

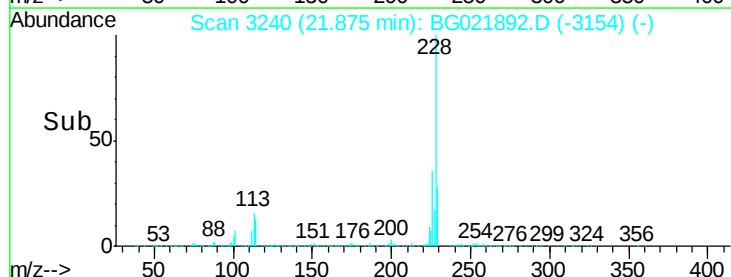
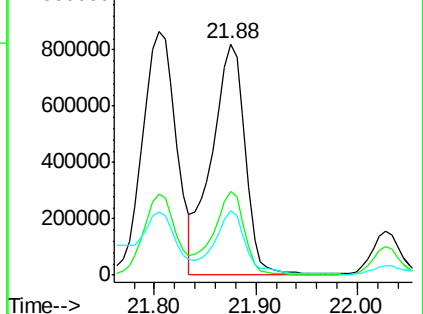
229 28.0 16.2 24.2#

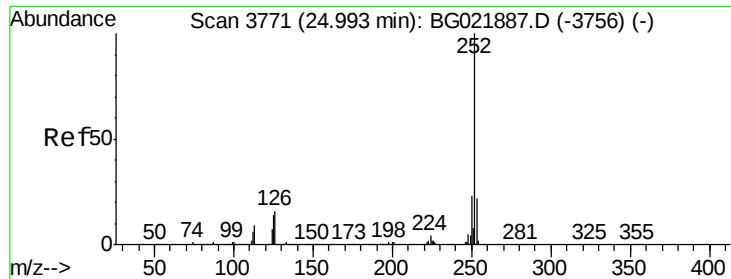


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

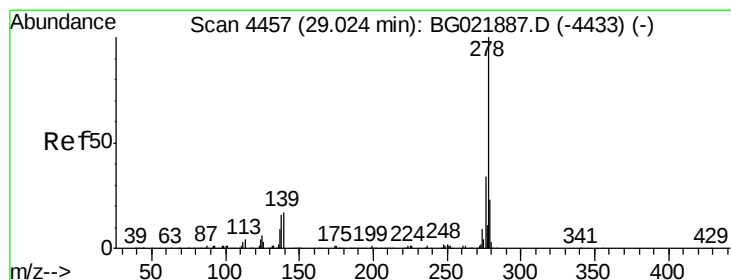
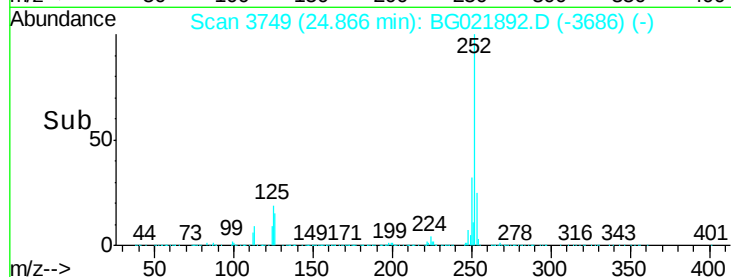
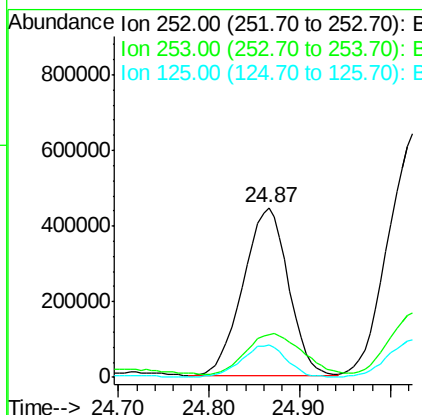
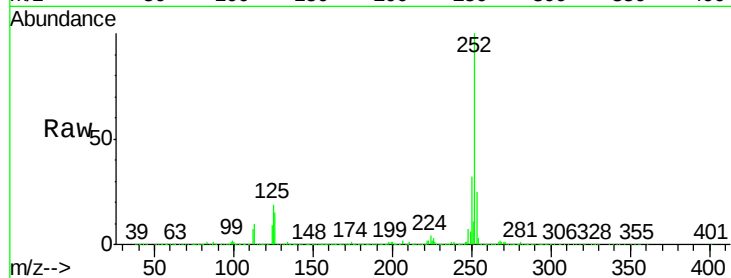




#89
Benzo(a)pyrene
Concen: 72.88 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. -0.13 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

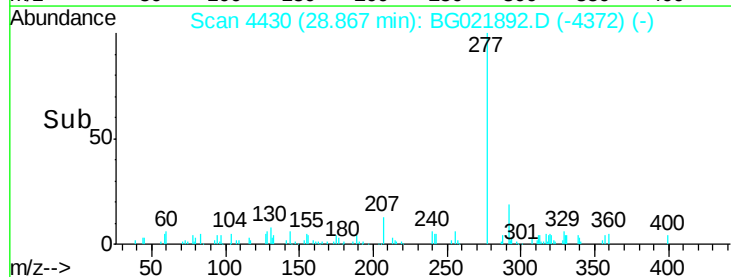
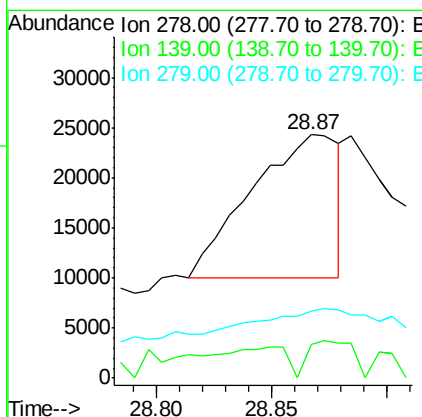
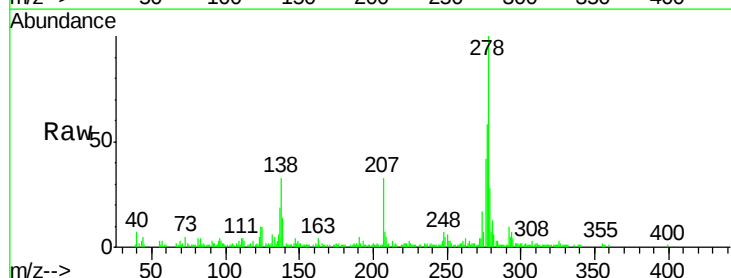
Instrument :
BNA_G
ClientSampleId :
D9XF9

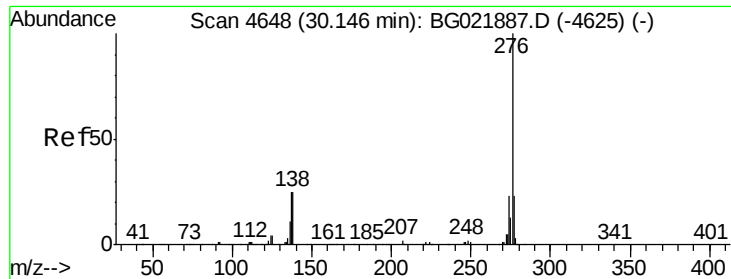
Tot Ion:252 Resp: 1529155
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 19.5 8.2 12.2#



#91
Dibenzo(a,h)anthracene
Concen: 1.81 ng/ul
RT: 28.87 min Scan# 4430
Delta R.T. -0.16 min
Lab File: BG021892.D
Acq: 15 May 2016 14:14

Tgt Ion:278 Resp: 37535
Ion Ratio Lower Upper
278 100
139 13.6 12.1 18.1
279 27.7 19.8 29.8





#92

Benzo(a,h,i)perylene

Concen: 3.29 ng/ul

RT: 29.65 min Scan# 4564

Delta R.T. -0.49 min

Lab File: BG021892.D

Acq: 15 May 2016 14:14

Instrument :

BNA_G

ClientSampleId :

D9XF9

Tot Ion: 276 Resp: 67439

Ion Ratio Lower Upper

276 100

138 56.5 13.9 20.9#

277 61.8 19.8 29.6#

