

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080715\
 Data File : BG018311.D
 Acq On : 7 Aug 2015 16:00
 Operator : UM/TP
 Sample : G3030-20DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

Quant Time: Aug 07 23:43:15 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 23:39:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	20460	20.00	ng/ul	0.00
18) Naphthalene-d8	10.20	136	93333	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	60742	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	24225	20.00	ng/ul	0.09
78) Chrysene-d12	21.07	240	104929	20.00	ng/ul	0.00
86) Perylene-d12	23.23	264	84177	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.88	96	207	0.87	ng/uL	0.00
5) Phenol-d5	6.63	99	6965	4.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	3840	4.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	5650	4.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	5326	3.92	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	2653	3.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	3304	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	5766	3.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	3507	1.91	ng/ul	0.01
44) Dimethylphthalate-d6	13.52	166	21033	4.48	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	23391	4.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	906	1.17	ng/ul	0.00
58) Fluorene-d10	15.10	176	18052	4.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	55	0.33	ng/ul	0.05
71) Anthracene-d10	16.96	188	24225	22.73	ng/ul	0.00
79) Pyrene-d10	19.27	212	23059	3.93	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.09	264	15912	3.63	ng/ul	-0.01

Target Compounds

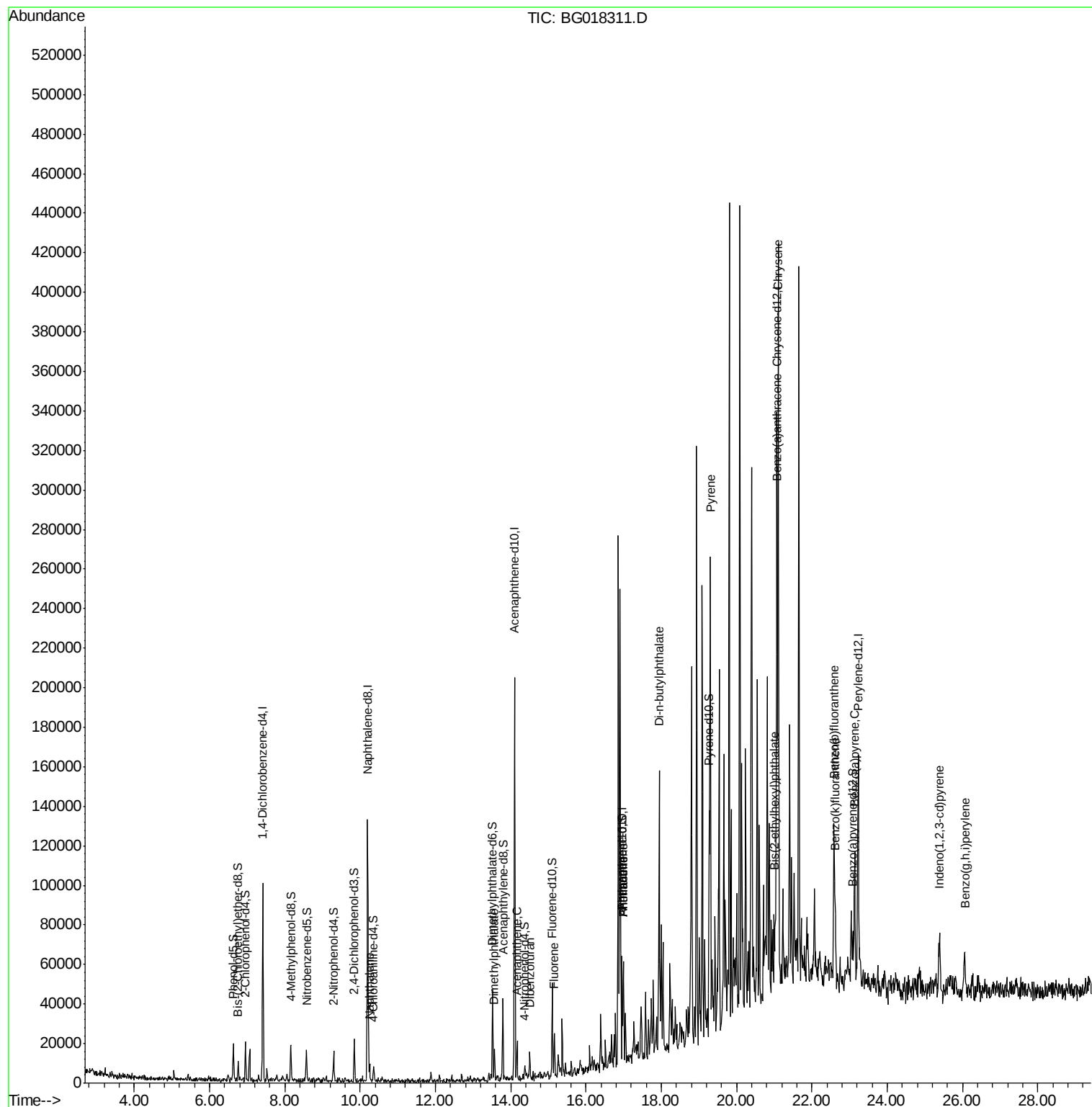
						Qvalue
28) Naphthalene	10.25	128	6087	1.39	ng/ul	98
45) Dimethylphthalate	13.57	163	8215	1.75	ng/ul#	94
50) Acenaphthene	14.17	153	6476	1.82	ng/ul#	94
54) Dibenzofuran	14.51	168	5387	1.03	ng/ul#	63
59) Fluorene	15.16	166	8561	1.87	ng/ul#	73
70) Phenanthrene	16.99	178	28867	23.61	ng/ul	98
72) Anthracene	16.99	178	28867	23.66	ng/ul	98
76) Di-n-butylphthalate	17.94	149	1624	1.12	ng/ul#	1
80) Pyrene	19.30	202	138404	18.97	ng/ul	98
83) Benzo(a)anthracene	21.06	228	60640	10.95	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.00	149	10508	3.09	ng/ul#	89
85) Chrysene	21.11	228	56091	11.27	ng/ul	96
88) Benzo(b)fluoranthene	22.58	252	55183	10.69	ng/ul#	96
89) Benzo(k)fluoranthene	22.62	252	19178	3.87	ng/ul#	96
91) Benzo(a)pyrene	23.13	252	37133	8.24	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.39	276	28168	5.05	ng/ul	98
94) Benzo(g,h,i)perylene	26.06	276	26015	5.75	ng/ul	97

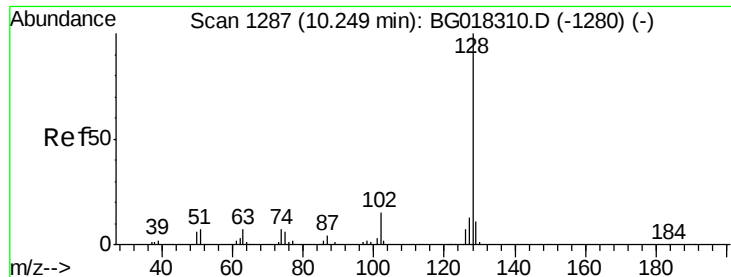
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 1.39 ng/ul

RT: 10.25 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL

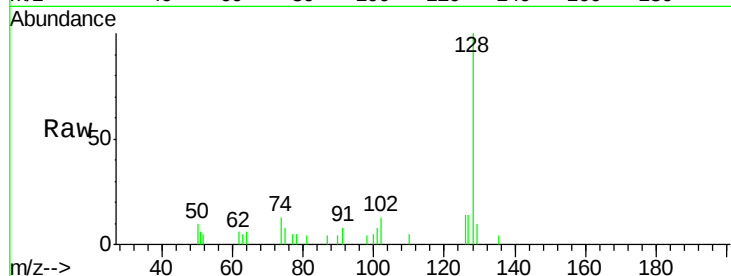
Tgt Ion:128 Resp: 6087

Ion Ratio Lower Upper

128 100

129 9.9 7.8 11.6

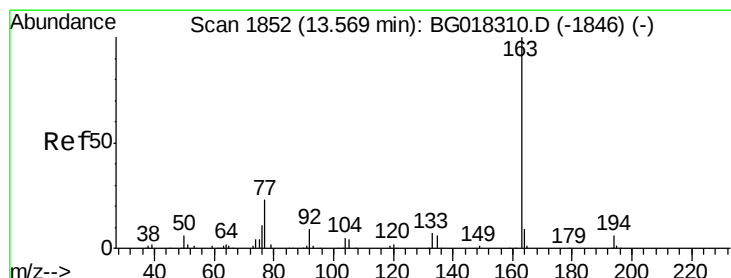
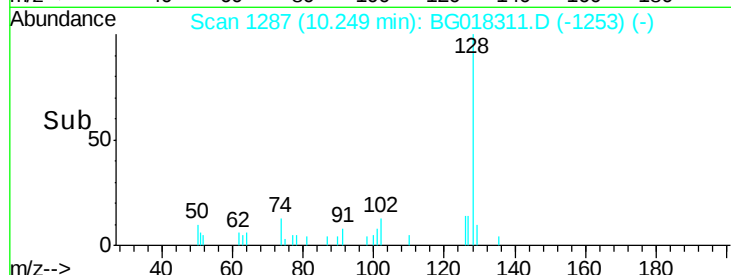
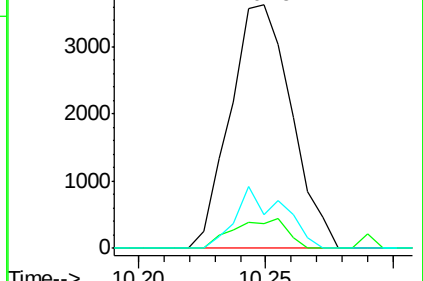
127 14.0 10.2 15.4



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



#45

Dimethylphthalate

Concen: 1.75 ng/ul

RT: 13.57 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

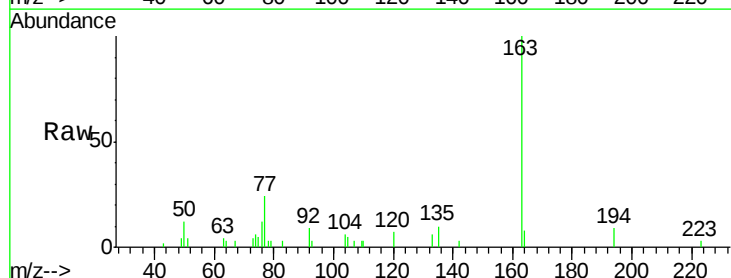
Tgt Ion:163 Resp: 8215

Ion Ratio Lower Upper

163 100

194 9.0 5.4 8.2#

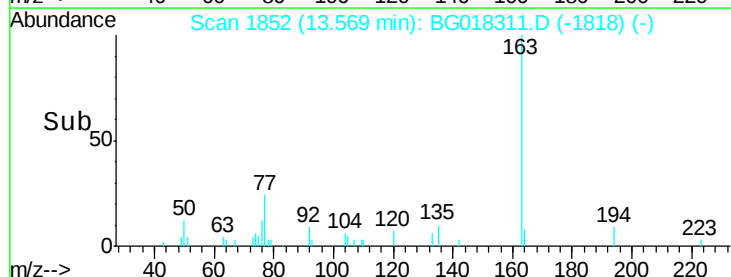
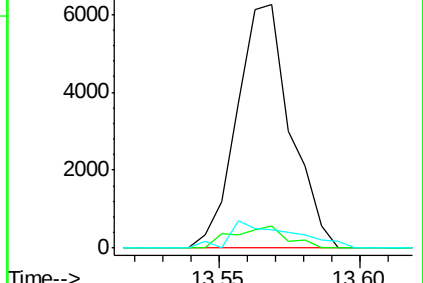
164 7.8 7.8 11.8#

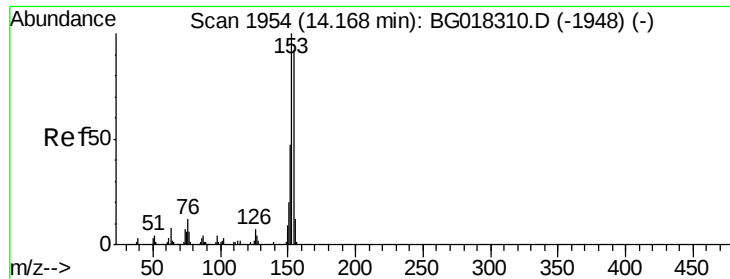


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.17 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL

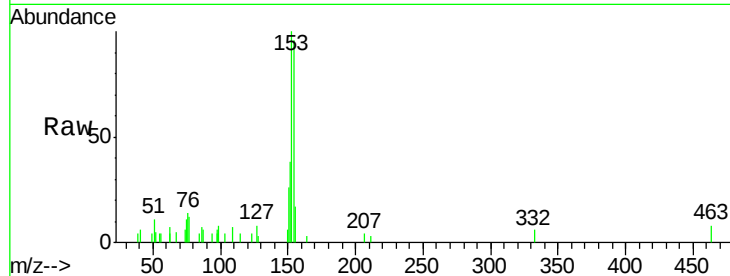
Tgt Ion:153 Resp: 6476

Ion Ratio Lower Upper

153 100

152 38.3 39.0 58.4#

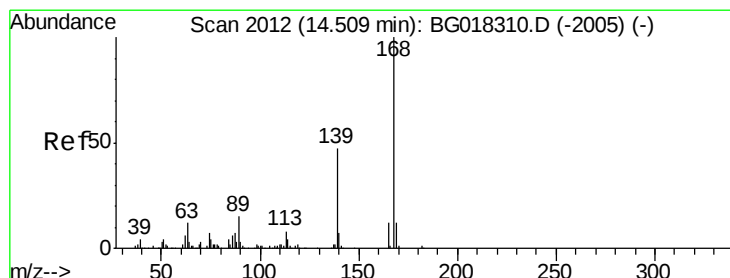
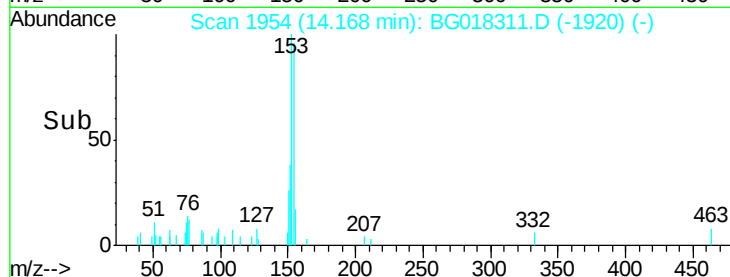
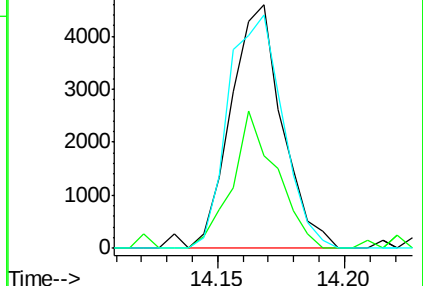
154 96.1 77.4 116.2



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: 1.03 ng/ul

RT: 14.51 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG018311.D

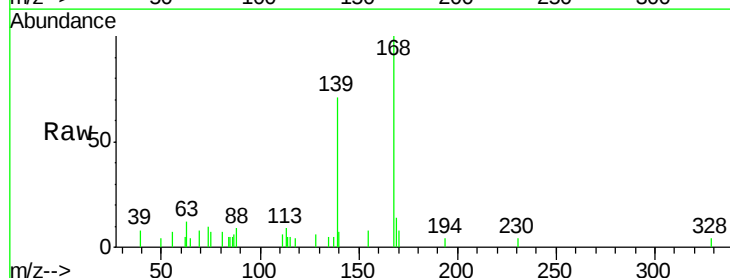
Acq: 7 Aug 2015 16:00

Tgt Ion:168 Resp: 5387

Ion Ratio Lower Upper

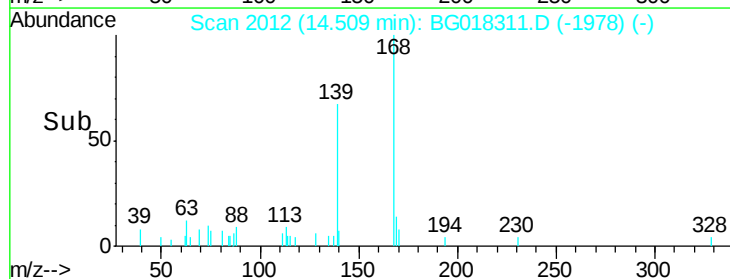
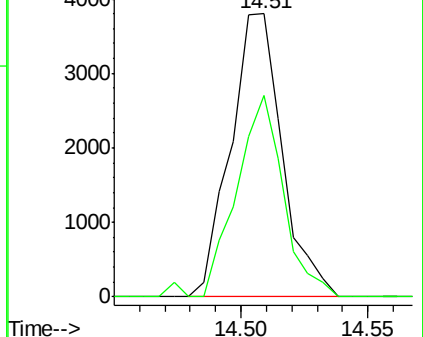
168 100

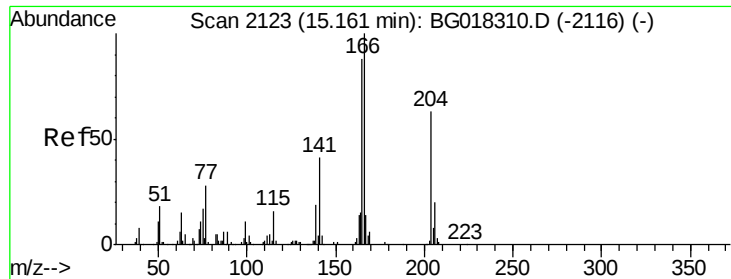
139 71.1 37.1 55.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.87 ng/ul

RT: 15.16 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL

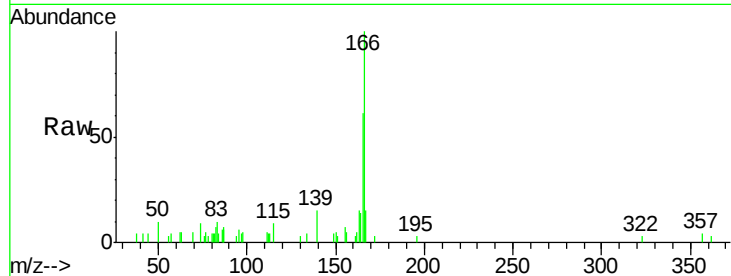
Tgt Ion:166 Resp: 8561

Ion Ratio Lower Upper

166 100

165 60.6 72.4 108.6#

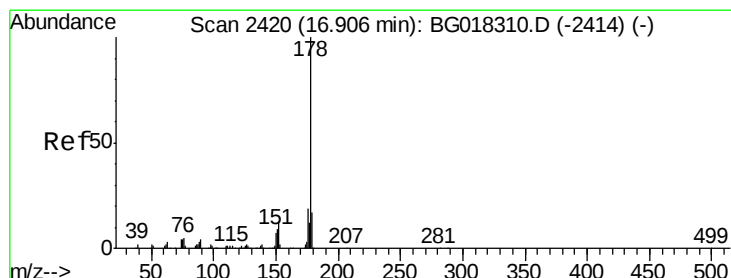
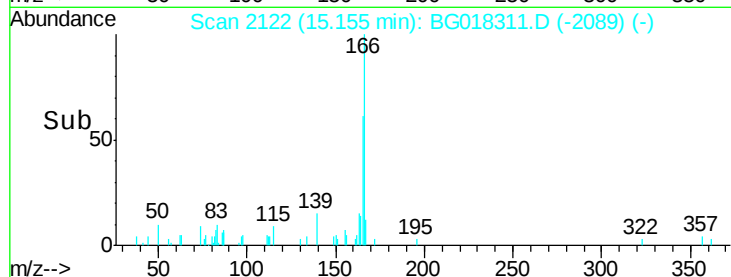
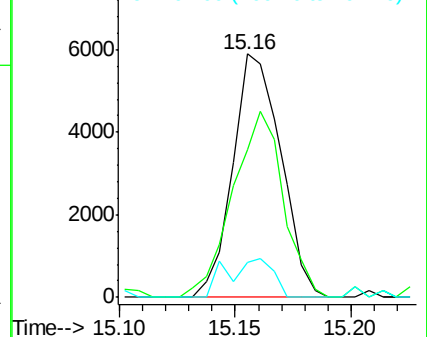
167 14.6 11.4 17.0



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: 23.61 ng/ul

RT: 16.99 min Scan# 2435

Delta R.T. 0.09 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

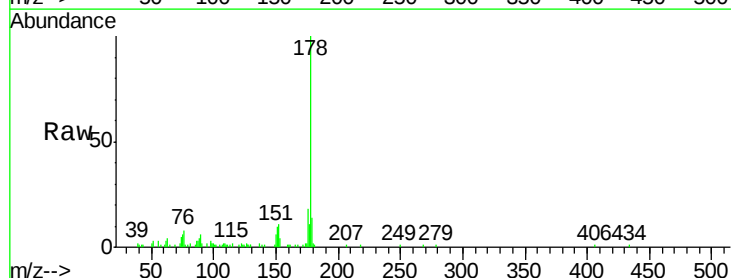
Tgt Ion:178 Resp: 28867

Ion Ratio Lower Upper

178 100

179 13.8 12.2 18.4

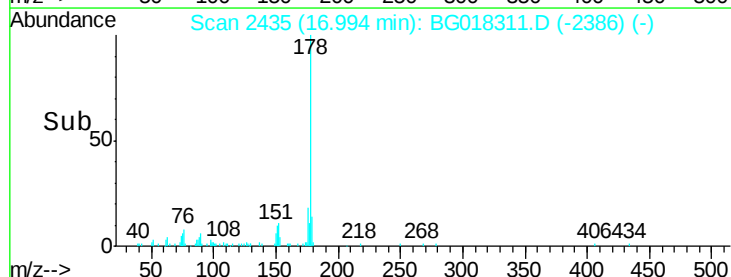
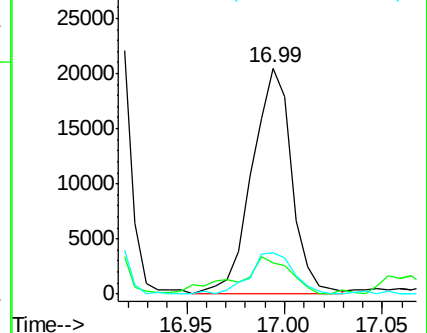
176 18.4 14.5 21.7

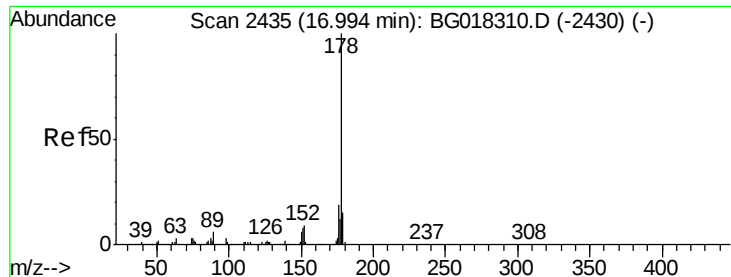


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 23.66 ng/ul

RT: 16.99 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL

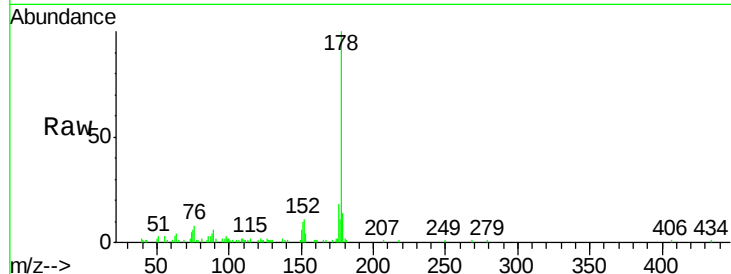
Tgt Ion:178 Resp: 28867

Ion Ratio Lower Upper

178 100

179 13.8 12.2 18.4

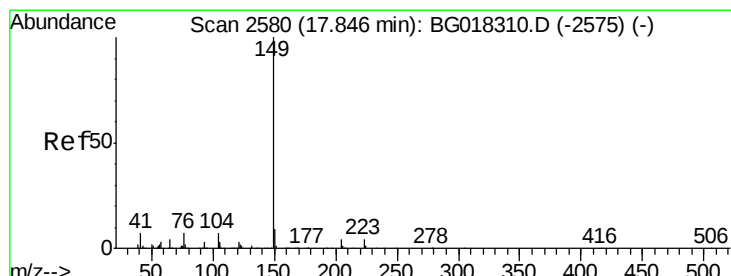
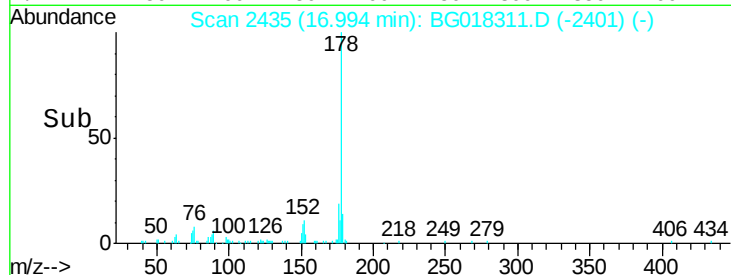
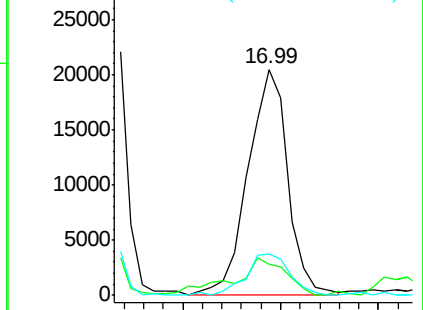
176 18.4 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76

Di-n-butylphthalate

Concen: 1.12 ng/ul

RT: 17.94 min Scan# 2596

Delta R.T. 0.09 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

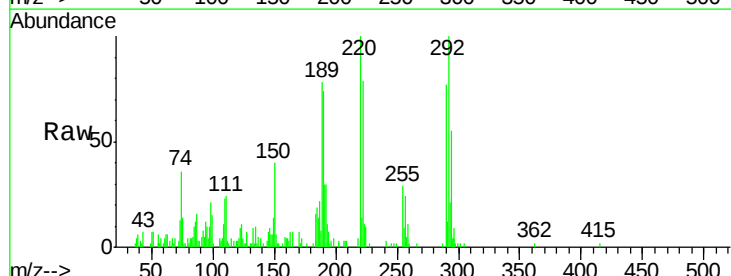
Tgt Ion:149 Resp: 1624

Ion Ratio Lower Upper

149 100

150 281.0 7.4 11.2#

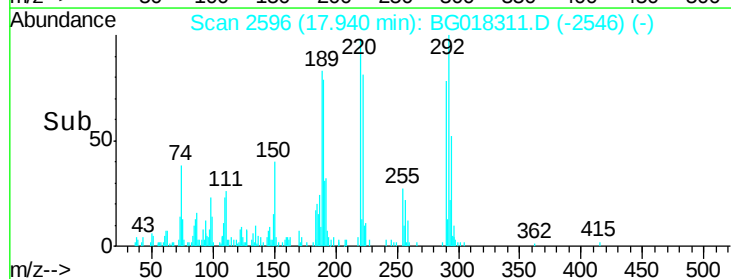
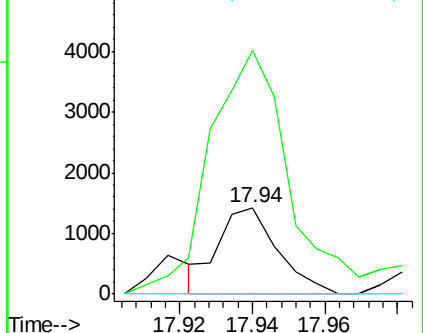
104 0.0 5.5 8.3#

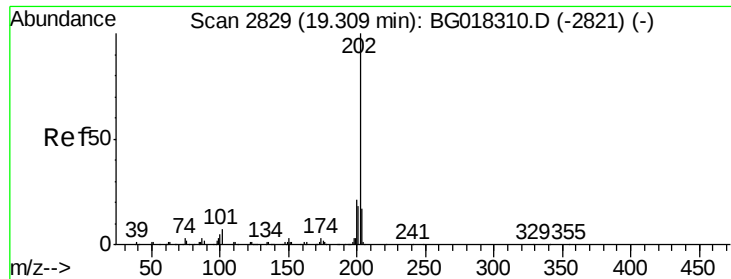


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

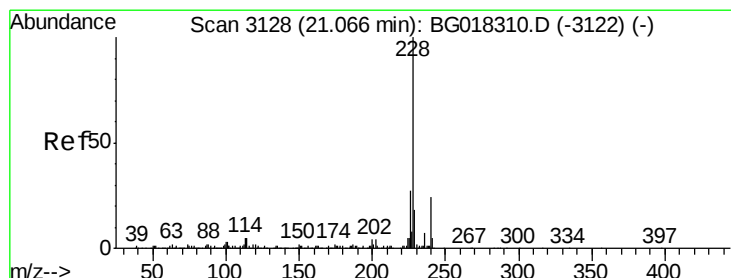
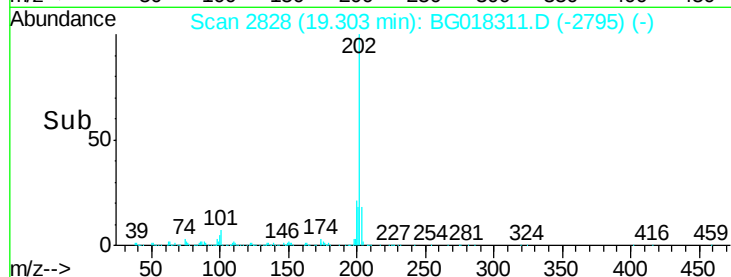
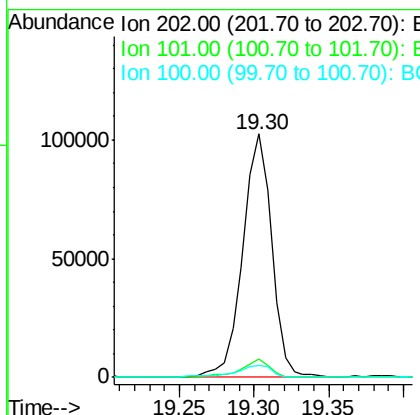
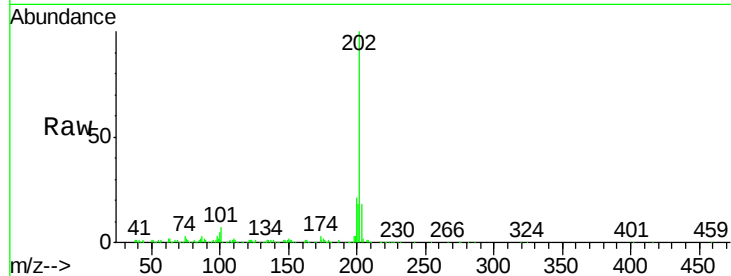




#80
 Pyrene
 Concen: 18.97 ng/ul
 RT: 19.30 min Scan# 2828
 Delta R.T. -0.01 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

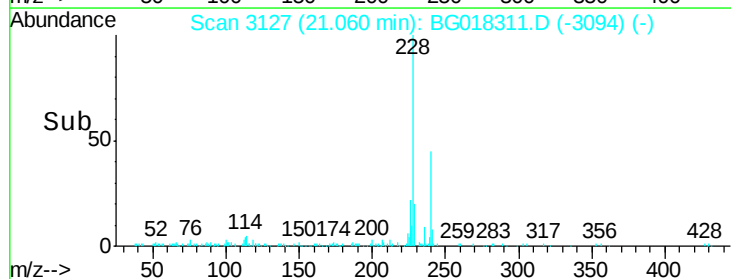
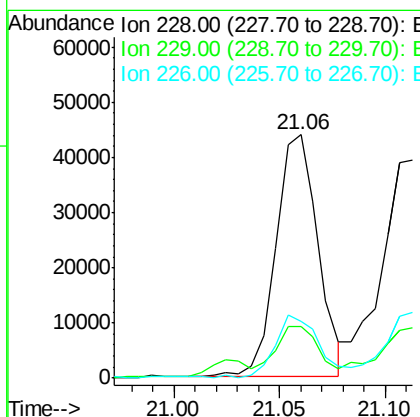
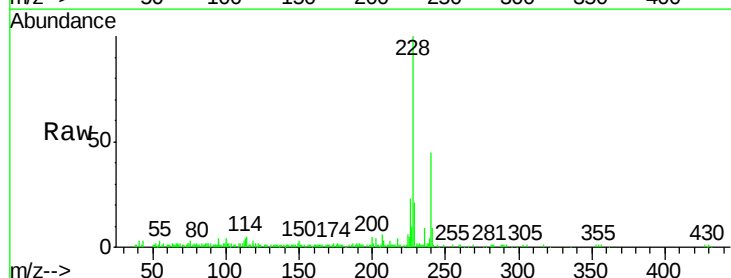
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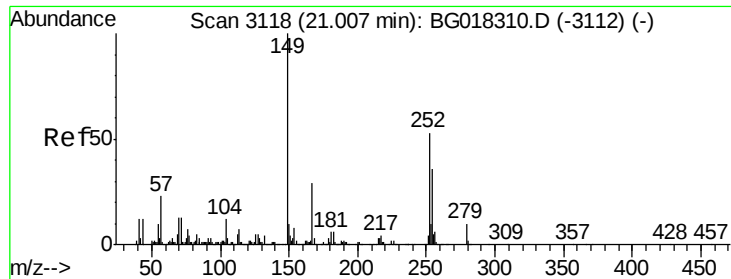
Tgt Ion:	202	Resp:	138404
Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.2	9.2
100	4.7	4.6	7.0



#83
 Benzo(a)anthracene
 Concen: 10.95 ng/ul
 RT: 21.06 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Tgt Ion:	228	Resp:	60640
Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.3	24.5
226	23.3	21.2	31.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.09 ng/ul

RT: 21.00 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampled :

C02K6REDL

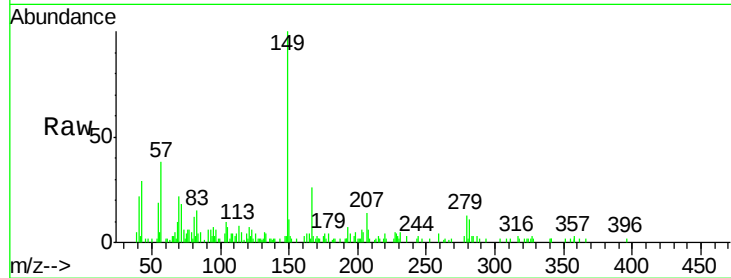
Tgt Ion:149 Resp: 10508

Ion Ratio Lower Upper

149 100

167 25.8 26.4 39.6#

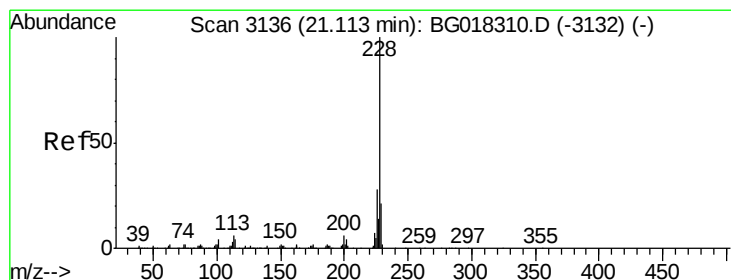
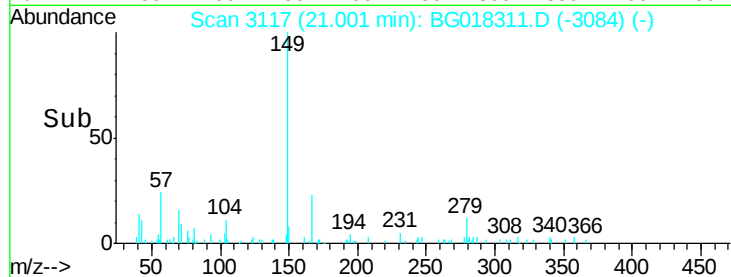
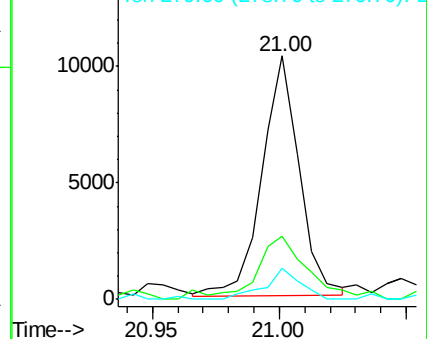
279 12.9 8.6 12.8#



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: 11.27 ng/ul

RT: 21.11 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

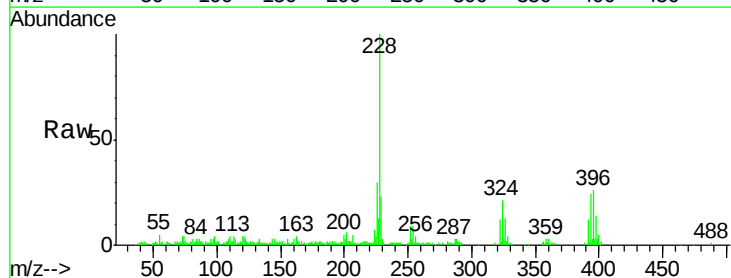
Tgt Ion:228 Resp: 56091

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.6

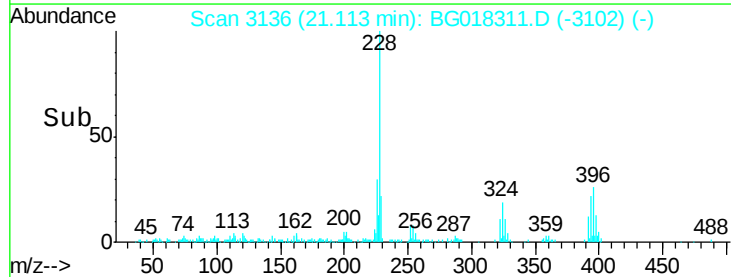
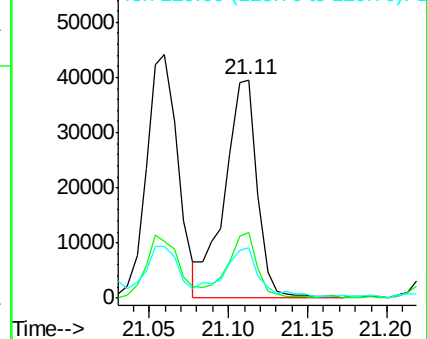
229 22.8 15.9 23.9

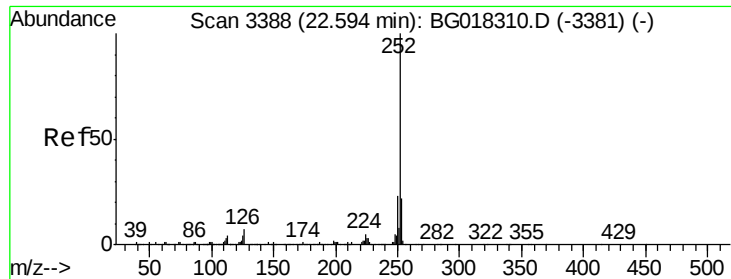


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 10.69 ng/ul

RT: 22.58 min Scan# 3386

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

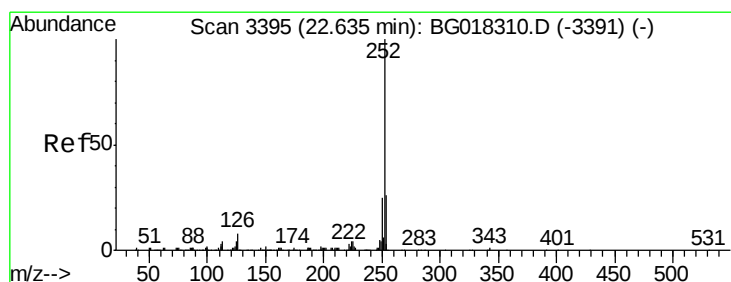
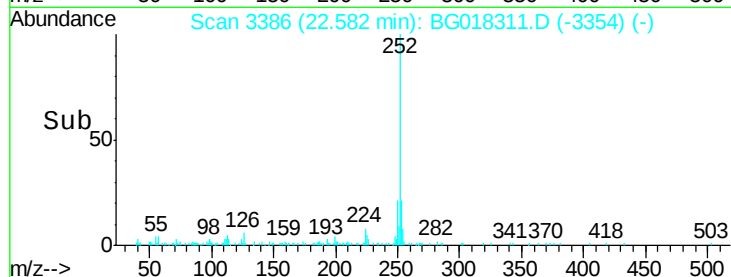
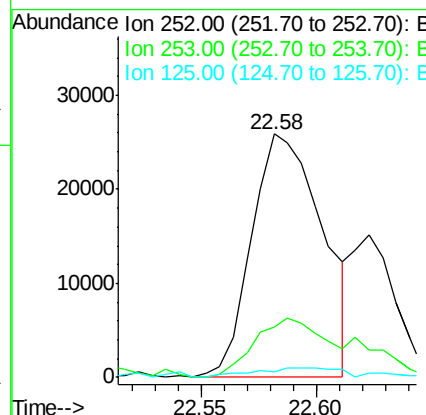
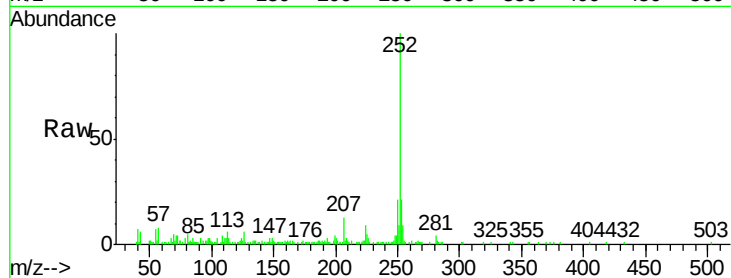
Instrument :

BNA_G

ClientSampleId :

C02K6REDL

Tgt Ion:	252	Resp:	55183
Ion Ratio		Lower	Upper
252	100		
253	20.7	18.1	27.1
125	2.5	3.1	4.7#



#89

Benzo(k)fluoranthene

Concen: 3.87 ng/ul

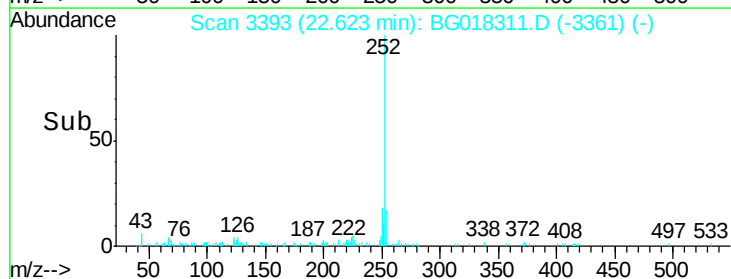
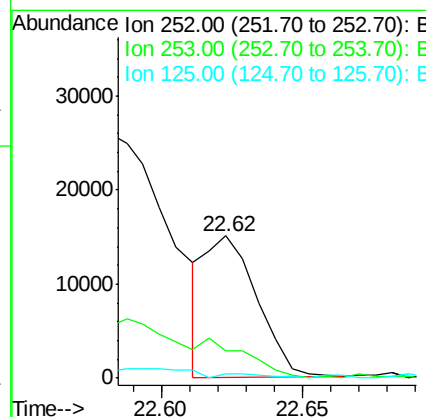
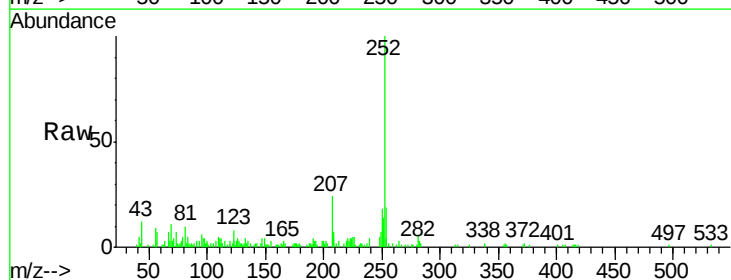
RT: 22.62 min Scan# 3393

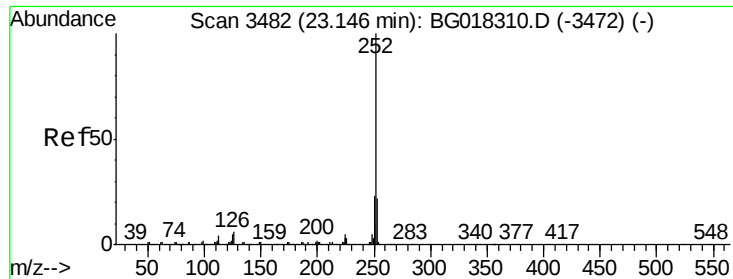
Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Tgt Ion:	252	Resp:	19178
Ion Ratio		Lower	Upper
252	100		
253	18.8	16.4	24.6
125	2.7	3.4	5.2#





#91

Benzo(a)pyrene

Concen: 8.24 ng/ul

RT: 23.13 min Scan# 3480

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL

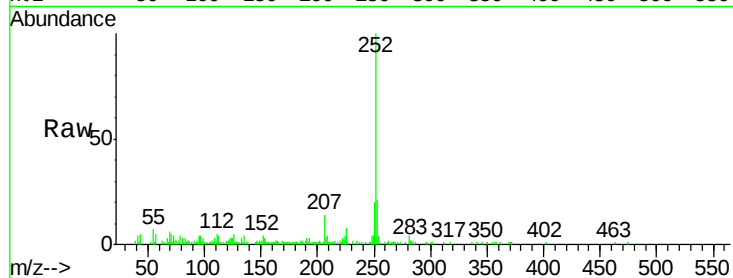
Tgt Ion:252 Resp: 37133

Ion Ratio Lower Upper

252 100

253 20.8 18.9 28.3

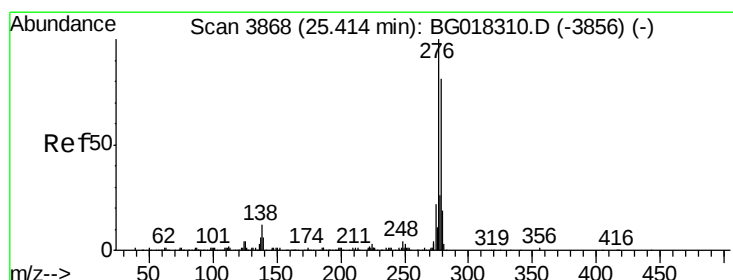
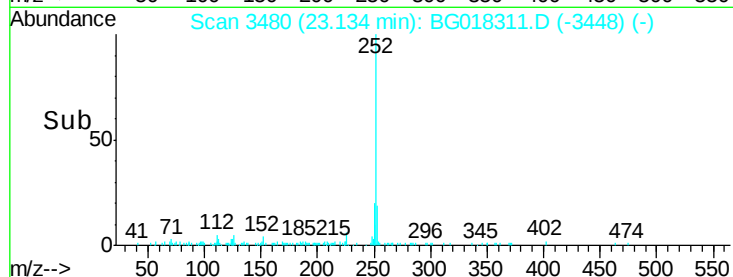
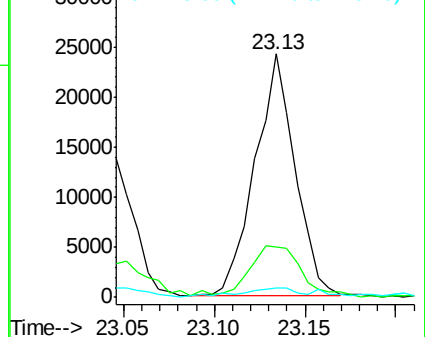
125 3.9 3.2 4.8



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: 5.05 ng/ul

RT: 25.39 min Scan# 3864

Delta R.T. -0.02 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

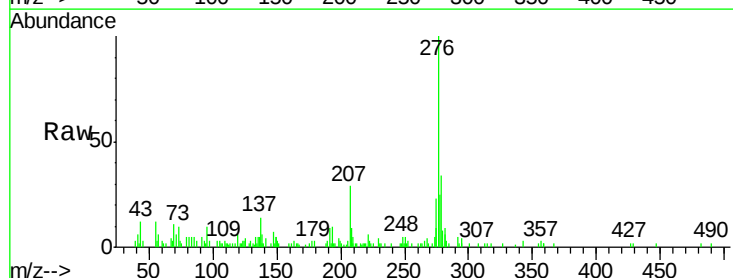
Tgt Ion:276 Resp: 28168

Ion Ratio Lower Upper

276 100

138 8.5 8.2 12.4

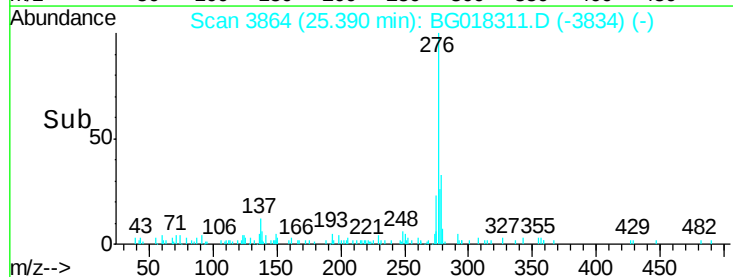
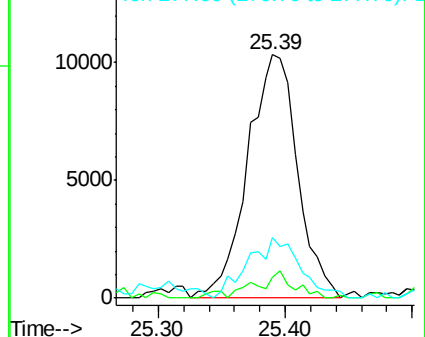
277 24.8 20.1 30.1

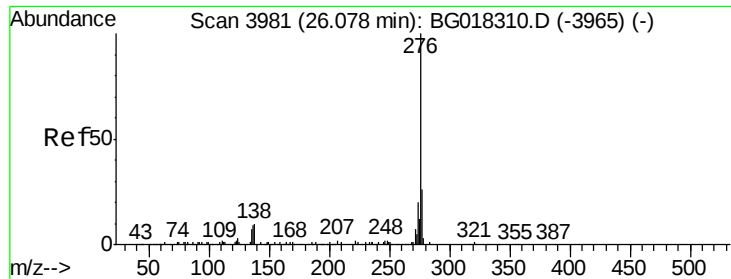


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 5.75 ng/ul

RT: 26.06 min Scan# 3978

Delta R.T. -0.02 min

Lab File: BG018311.D

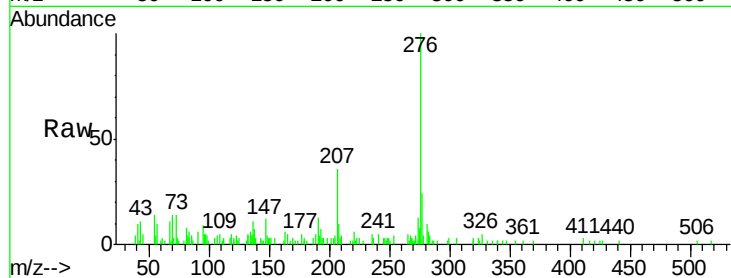
Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

ClientSampleId :

C02K6REDL



Tgt Ion:	276	Resp:	26015
Ion	Ratio	Lower	Upper
276	100		
138	7.4	6.0	9.0
277	24.3	21.1	31.7

