

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110617\
 Data File : BG030768.D
 Acq On : 6 Nov 2017 10:47
 Operator : SJ/JU
 Sample : I6107-09DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 04:10:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 04:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	58288	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	272068	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	181954	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	436382	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	466516	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	491481	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1567	1.09	ng/uL	0.00
5) Phenol-d5	7.32	99	30535	5.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	18011	5.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	25319	6.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	24603	5.45	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	13013	6.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	14610	7.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	28325	6.21	ng/ul	0.01
29) 4-Chloroaniline-d4	11.11	131	16805	3.17	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	95339	6.13	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	118072	6.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	9857	3.43	ng/ul	0.02
57) Fluorene-d10	15.76	176	91029	7.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	1265	0.59	ng/ul	0.00
70) Anthracene-d10	17.61	188	143710	6.96	ng/ul	0.00
76) Pyrene-d10	19.89	212	158439	6.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	161685	6.95	ng/ul	0.00

Target Compounds

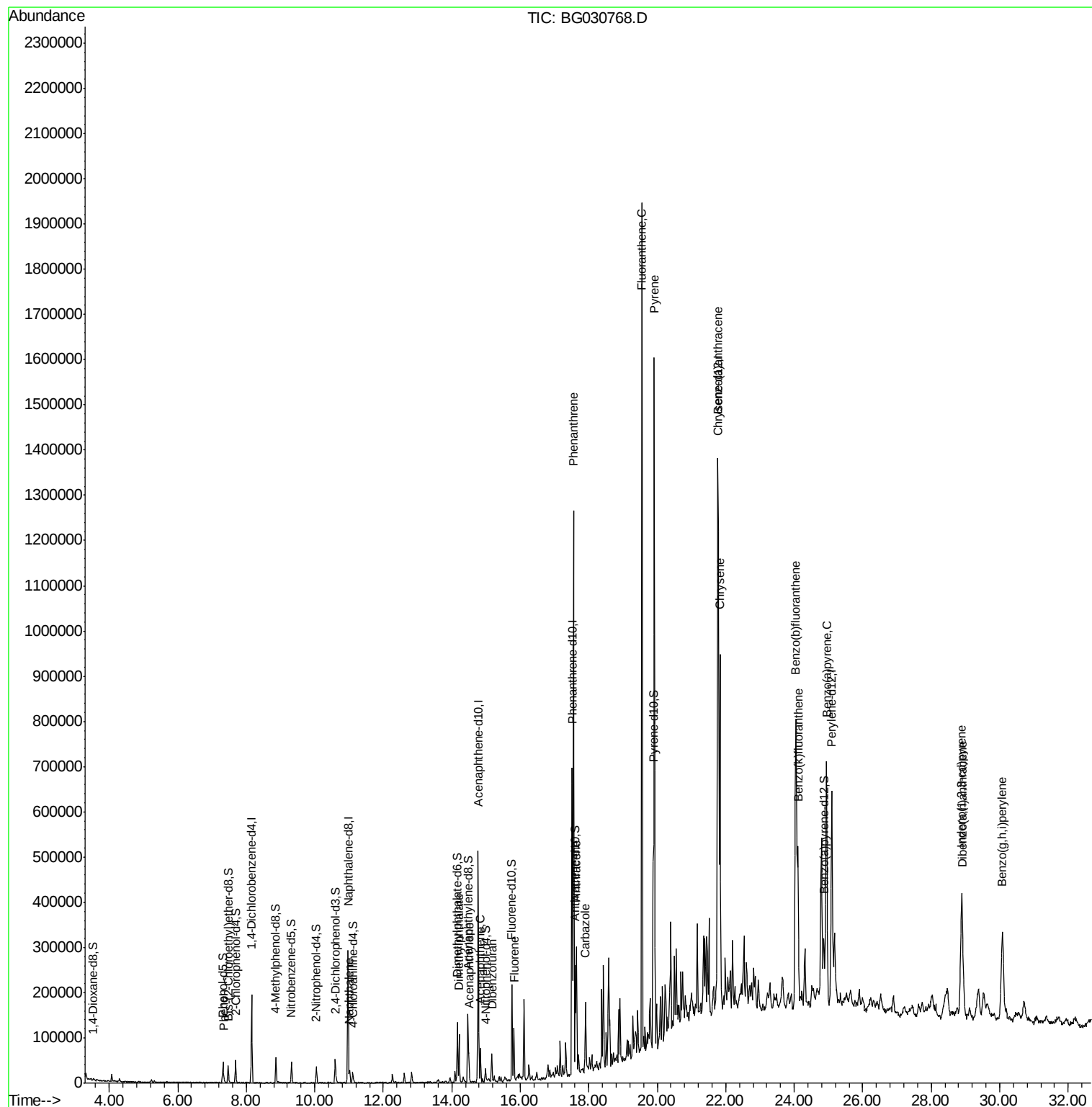
					Ovalue	
6) Phenol	7.35	94	6207	1.072	ng/ul#	84
28) Naphthalene	11.02	128	25543	1.774	ng/ul	98
44) Dimethylphthalate	14.21	163	74377	4.902	ng/ul	99
47) Acenaphthylene	14.50	152	46224	2.395	ng/ul	93
49) Acenaphthene	14.83	153	31442	2.381	ng/ul	97
53) Dibenzofuran	15.17	168	38138	2.113	ng/ul	90
58) Fluorene	15.81	166	53462	3.713	ng/ul	95
69) Phenanthrene	17.55	178	796878	33.780	ng/ul	98
71) Anthracene	17.64	178	185761	7.632	ng/ul	98
72) Carbazole	17.91	167	104875	4.793	ng/ul	97
74) Fluoranthene	19.55	202	1190912	45.171	ng/ul	98
77) Pyrene	19.92	202	1014089	32.434	ng/ul	99
80) Benzo(a)anthracene	21.77	228	644041	22.029	ng/ul	99
82) Chrysene	21.83	228	584054	21.986	ng/ul	97
85) Benzo(b)fluoranthene	24.05	252	826633	28.017	ng/ul	95
86) Benzo(k)fluoranthene	24.11	252	265367	9.302	ng/ul	96
88) Benzo(a)pyrene	24.95	252	601791	20.953	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	28.89	276	480102	14.775	ng/ul	99
90) Dibenzo(a,h)anthracene	28.92	278	125600	4.653	ng/ul#	91
91) Benzo(g,h,i)perylene	30.08	276	427404	15.868	ng/ul	98

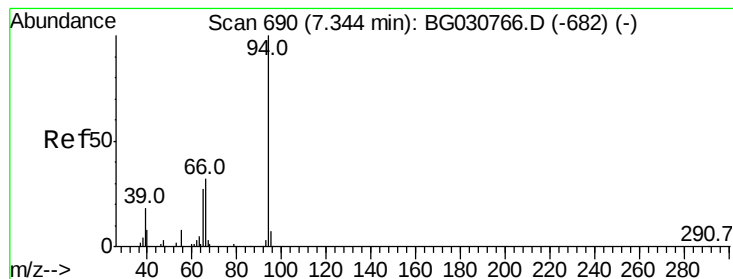
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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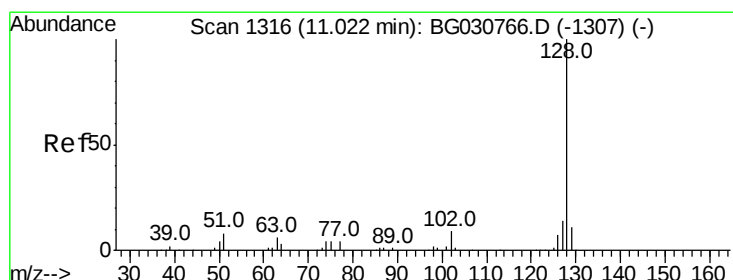
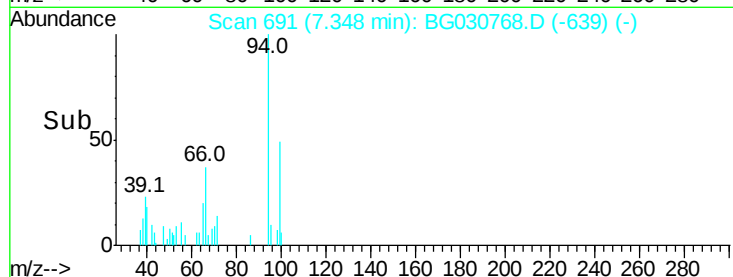
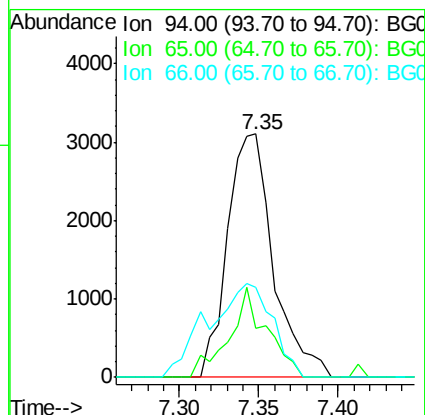
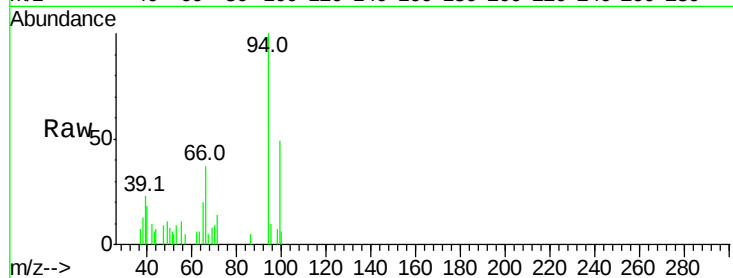
#6

Phenol

Concen: 1.072 ng/ul
 RT: 7.35 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BG030768.D
 Acq: 6 Nov 2017 10:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 94 Resp: 6207
 Ion Ratio Lower Upper
 94 100
 65 20.1 27.1 40.7#
 66 36.9 34.6 52.0

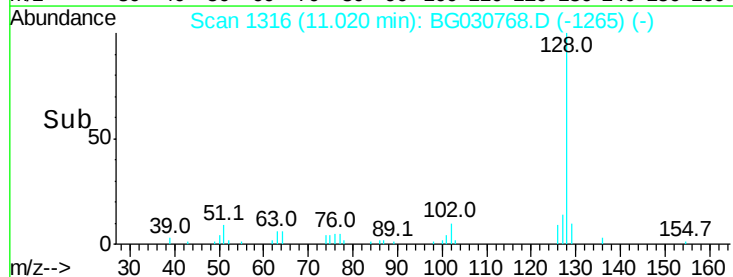
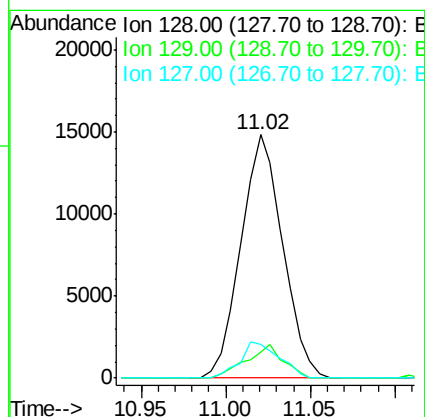
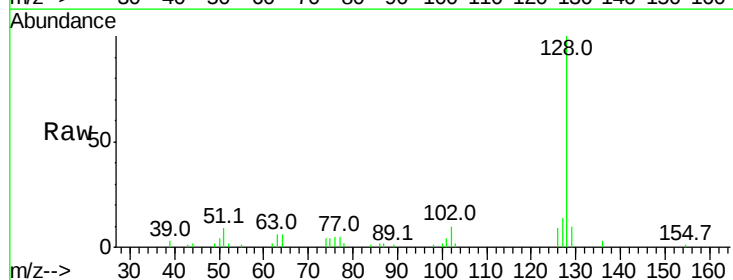


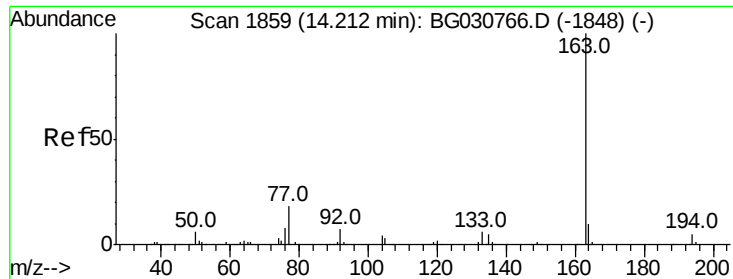
#28

Naphthalene

Concen: 1.774 ng/ul
 RT: 11.02 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: BG030768.D
 Acq: 6 Nov 2017 10:47

Tgt Ion: 128 Resp: 25543
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.3 13.9
 127 14.0 10.7 16.1





#44

Dimethylphthalate

Concen: 4.902 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

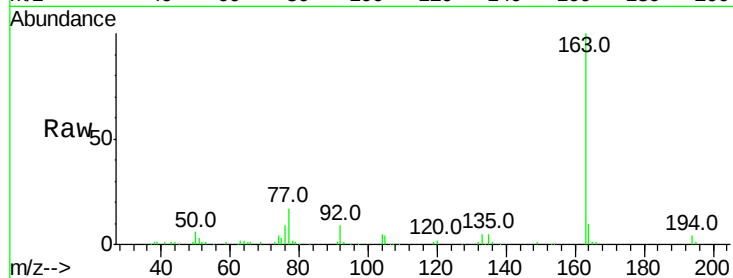
Tot Ion:163 Resp: 74377

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

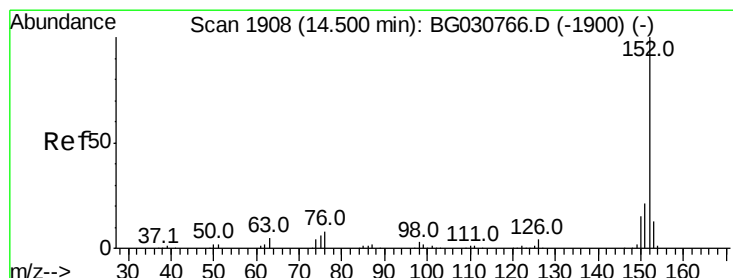
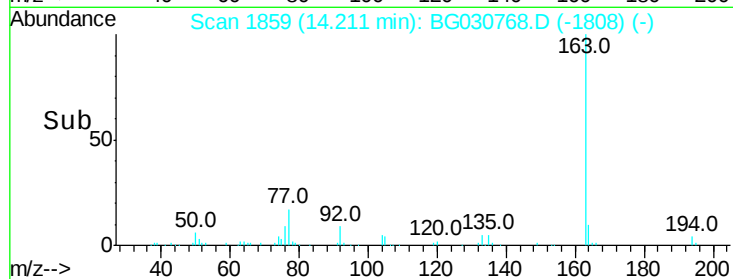
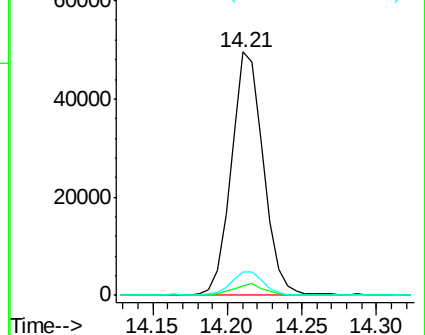
164 9.8 7.6 11.4



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



#47

Acenaphthylene

Concen: 2.395 ng/ul

RT: 14.50 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

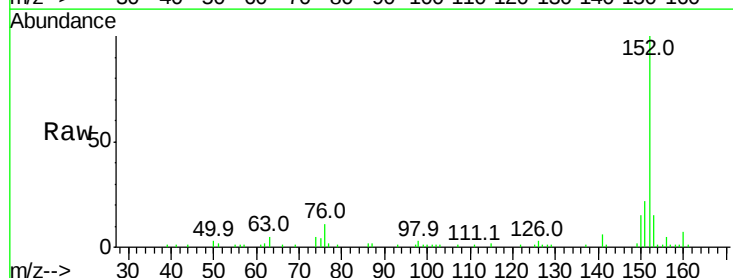
Tgt Ion:152 Resp: 46224

Ion Ratio Lower Upper

152 100

151 22.2 15.2 22.8

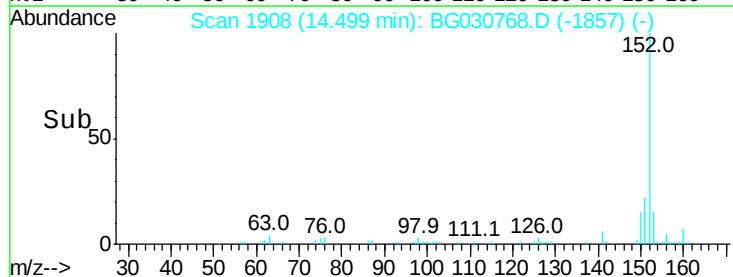
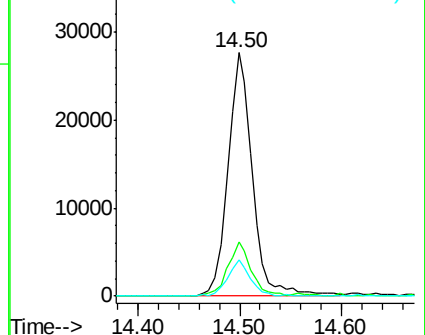
153 15.0 10.2 15.4

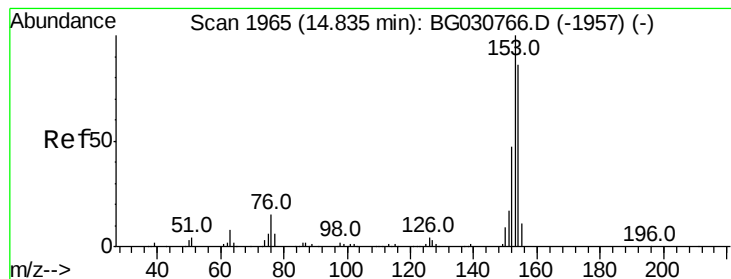


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.381 ng/ul

RT: 14.83 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

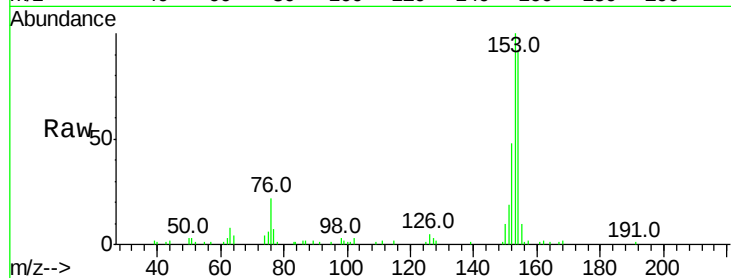
Tot Ion:153 Resp: 31442

Ion Ratio Lower Upper

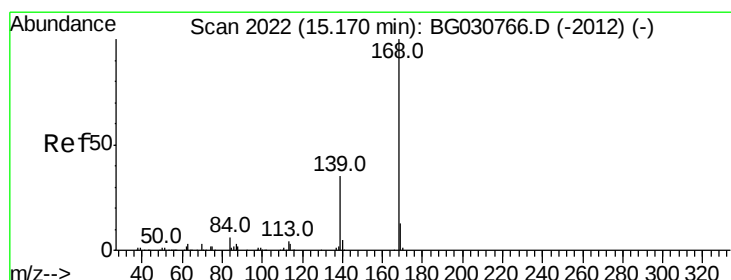
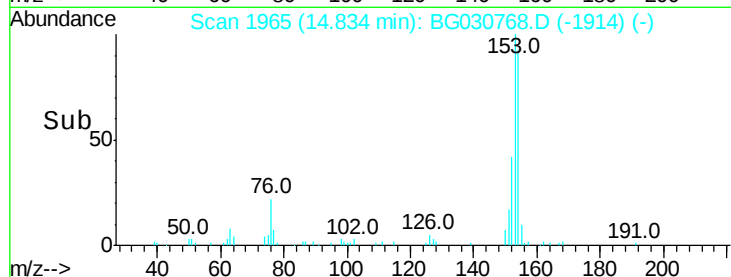
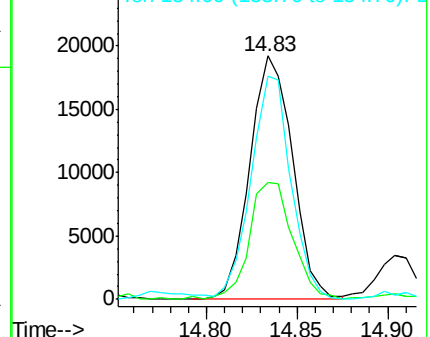
153 100

152 48.3 38.2 57.2

154 91.5 70.6 105.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.113 ng/ul

RT: 15.17 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG030768.D

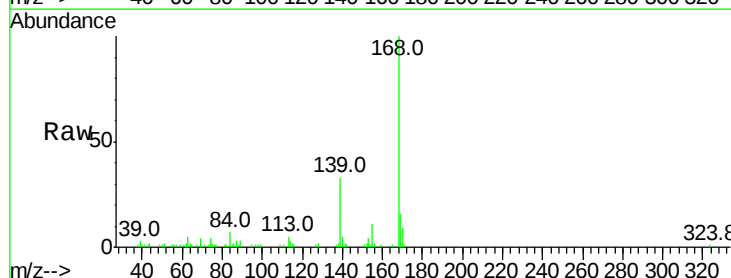
Acq: 6 Nov 2017 10:47

Tgt Ion:168 Resp: 38138

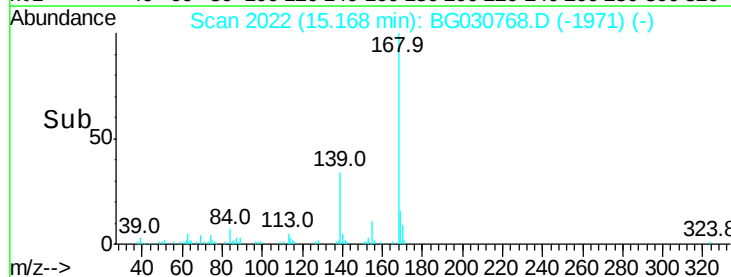
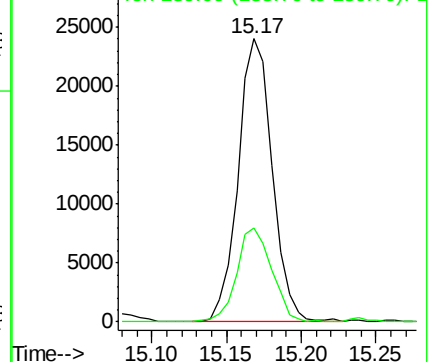
Ion Ratio Lower Upper

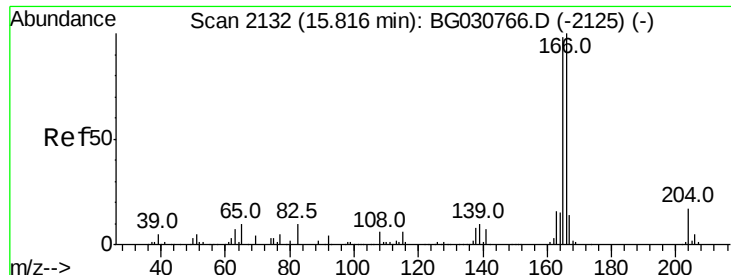
168 100

139 33.4 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.713 ng/ul

RT: 15.81 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

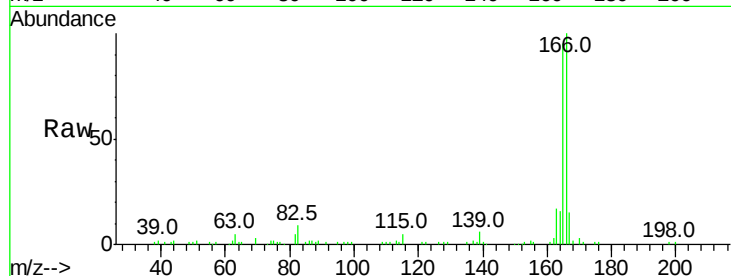
Tot Ion:166 Resp: 53462

Ion Ratio Lower Upper

166 100

165 95.1 79.9 119.9

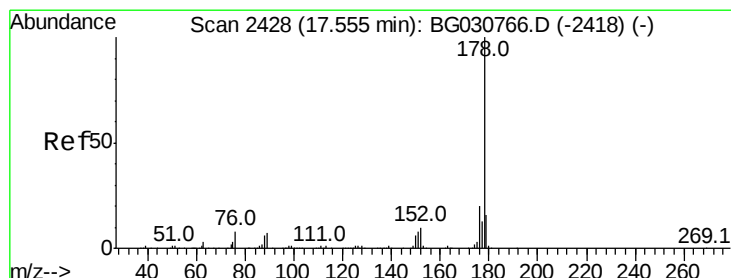
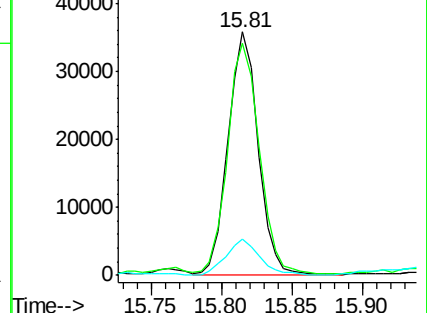
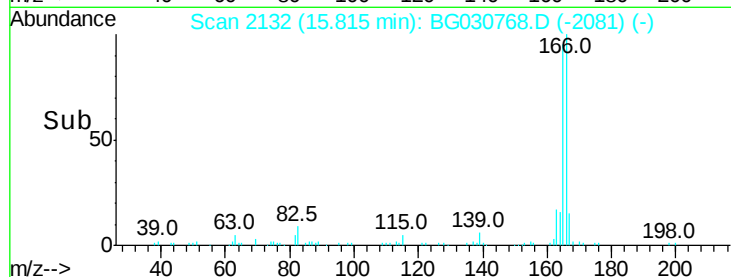
167 14.8 10.6 16.0



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

Phenanthrene

Concen: 33.780 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

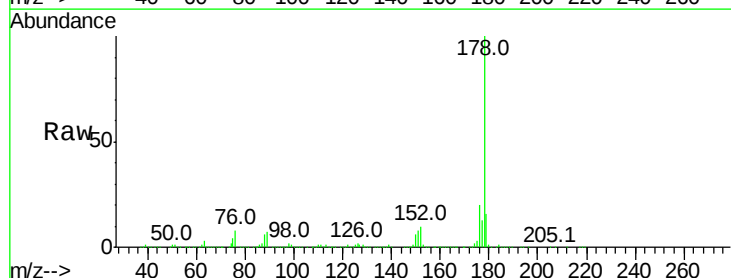
Tgt Ion:178 Resp: 796878

Ion Ratio Lower Upper

178 100

179 16.5 13.0 19.6

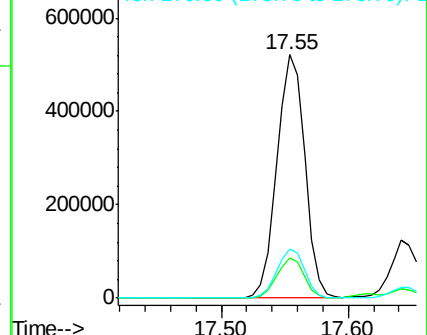
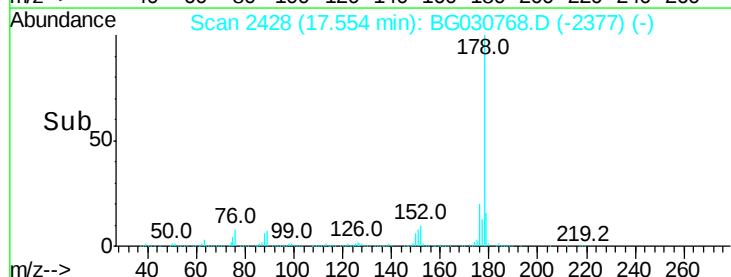
176 20.3 15.3 22.9

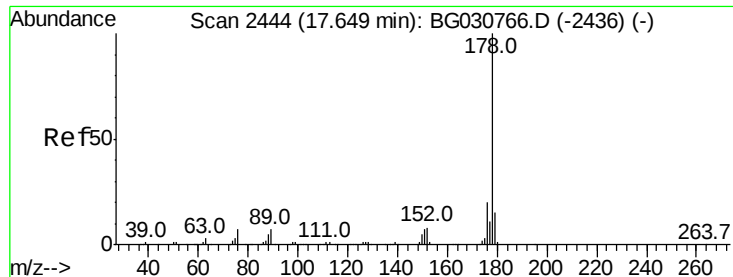


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

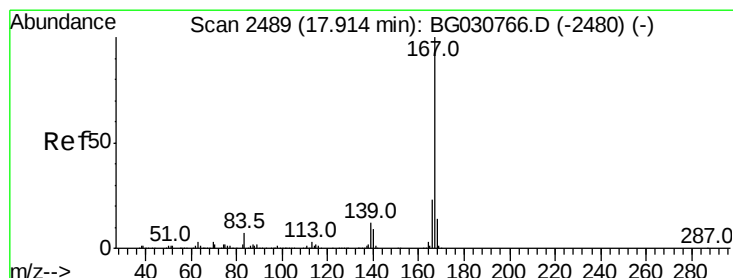
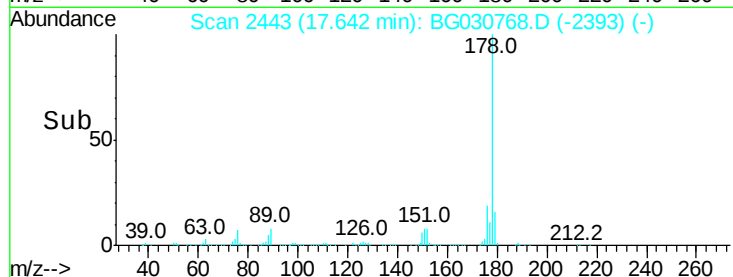
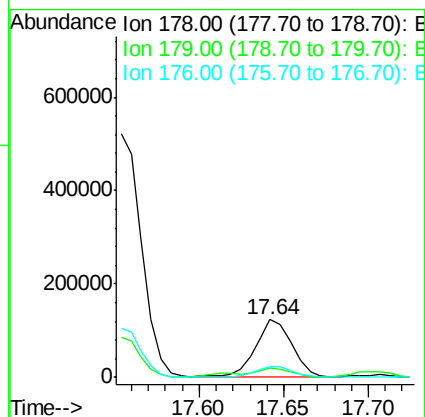
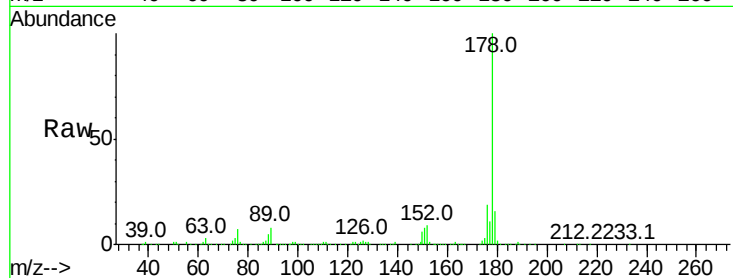




#71
 Anthracene
 Concen: 7.632 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG030768.D
 Acq: 6 Nov 2017 10:47

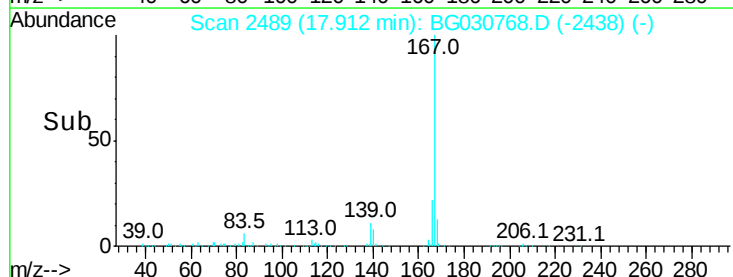
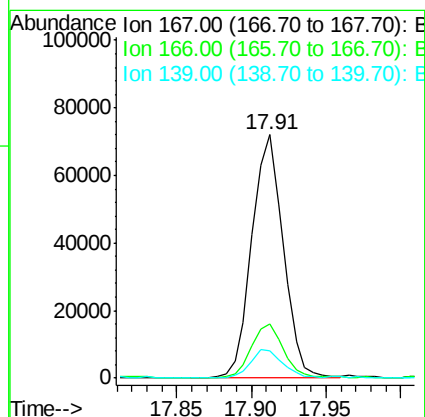
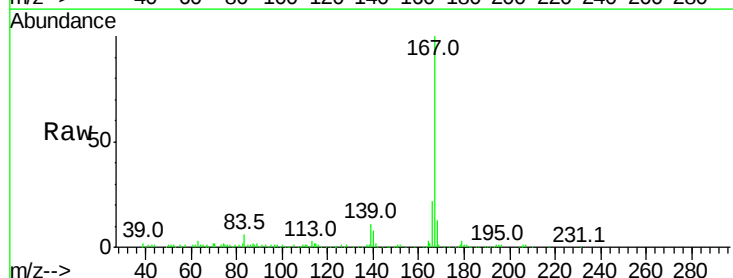
Instrument :
 BNA_G
 ClientSampleId :

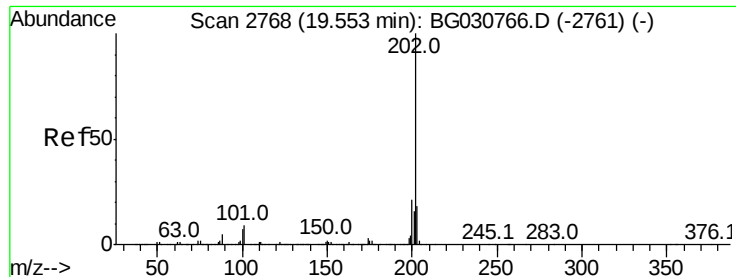
Tot Ion:178 Resp: 185761
 Ion Ratio Lower Upper
 178 100
 179 15.9 13.2 19.8
 176 18.9 16.0 24.0



#72
 Carbazole
 Concen: 4.793 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. -0.00 min
 Lab File: BG030768.D
 Acq: 6 Nov 2017 10:47

Tgt Ion:167 Resp: 104875
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.6 28.0
 139 11.3 10.6 16.0





#74

Fluoranthene

Concen: 45.171 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

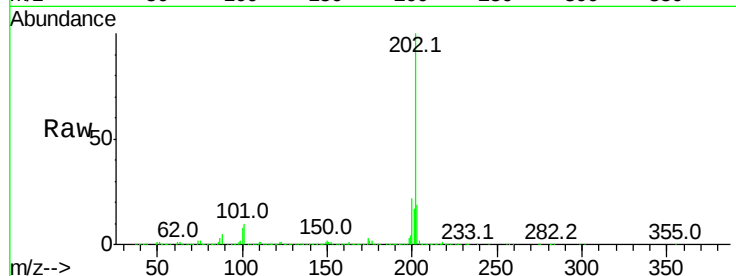
Tot Ion:202 Resp: 1190912

Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.4	11.2
100	7.7	5.6	8.4

202 100

101 9.9 7.4 11.2

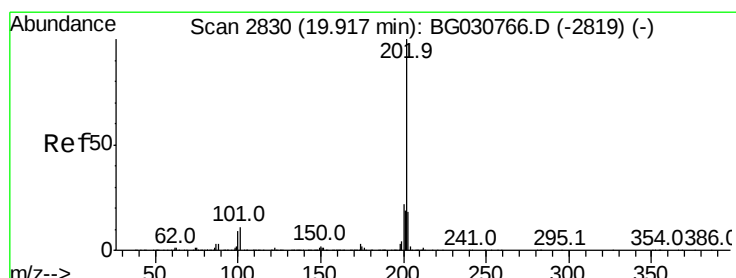
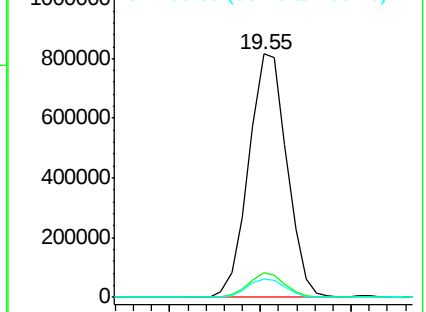
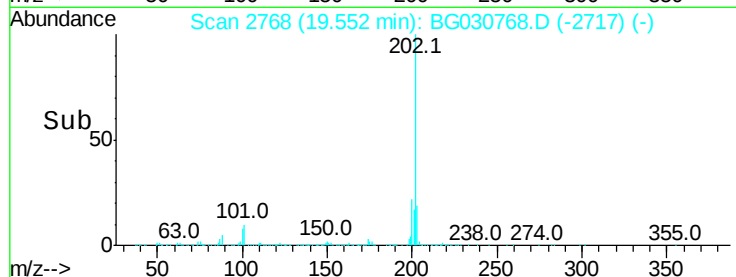
100 7.7 5.6 8.4



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



#77

Pyrene

Concen: 32.434 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

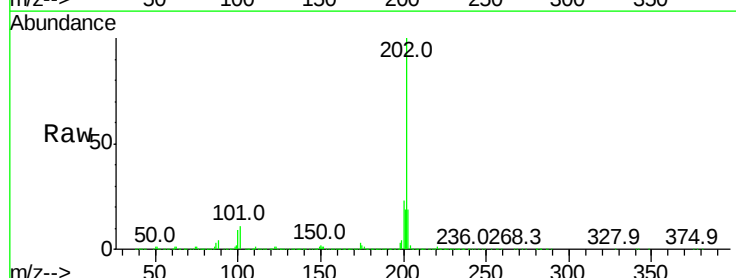
Tgt Ion:202 Resp: 1014089

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.4	12.6
100	9.1	7.0	10.6

202 100

101 10.9 8.4 12.6

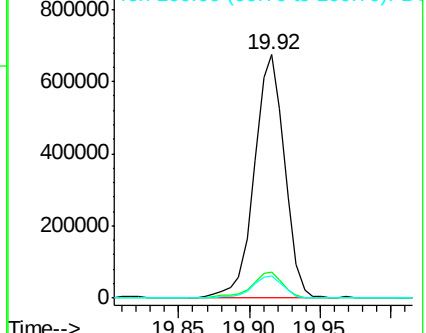
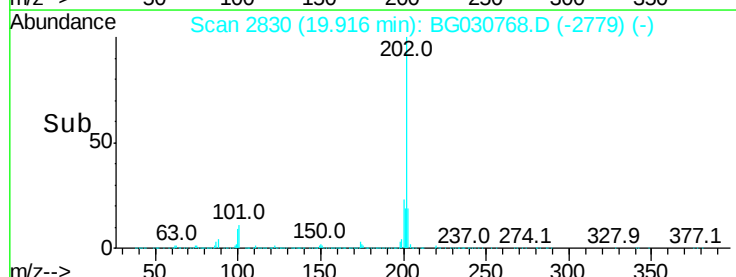
100 9.1 7.0 10.6

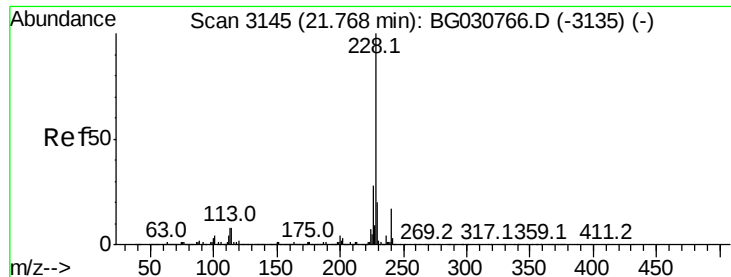


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 22.029 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

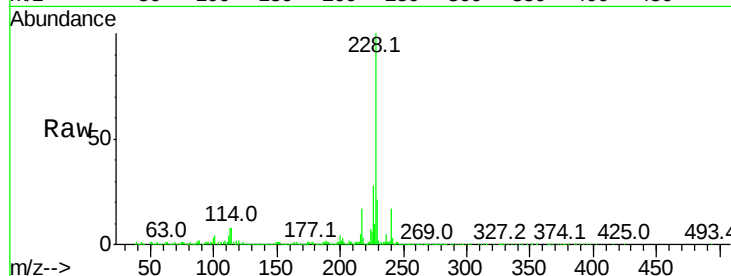
Tot Ion:228 Resp: 644041

Ion Ratio Lower Upper

228 100

229 20.8 16.2 24.4

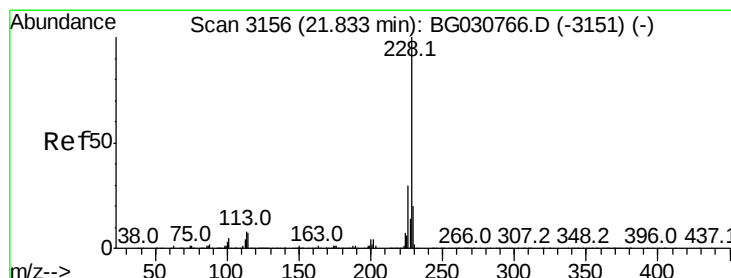
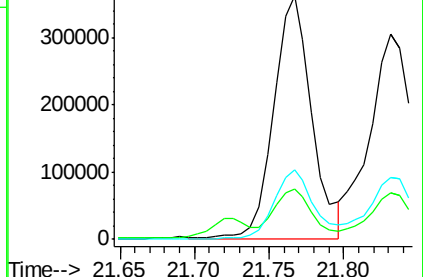
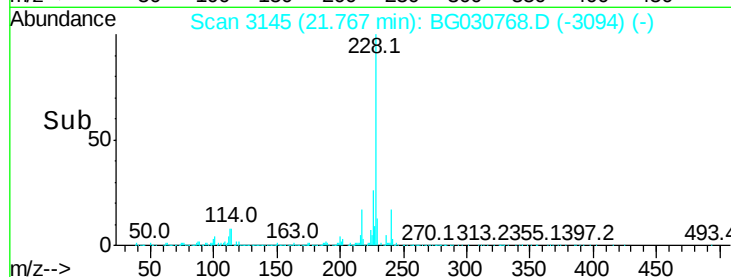
226 28.4 22.2 33.2



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

Chrysene

Concen: 21.986 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

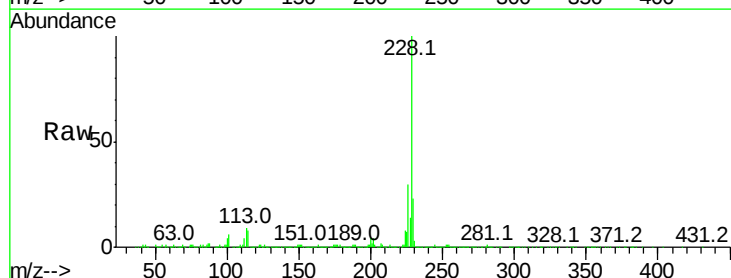
Tgt Ion:228 Resp: 584054

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

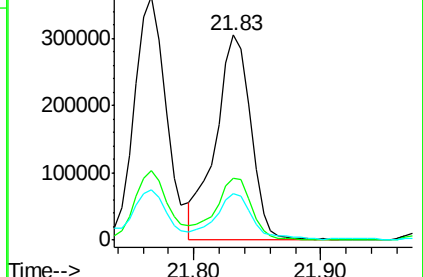
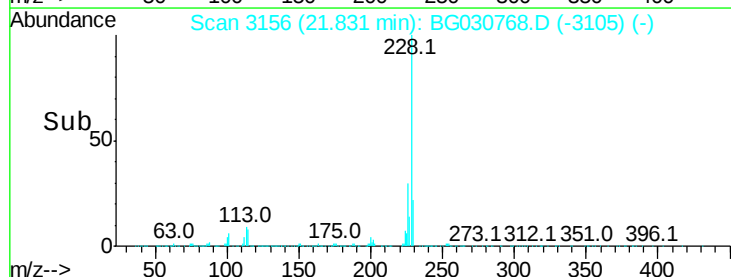
229 22.7 15.2 22.8

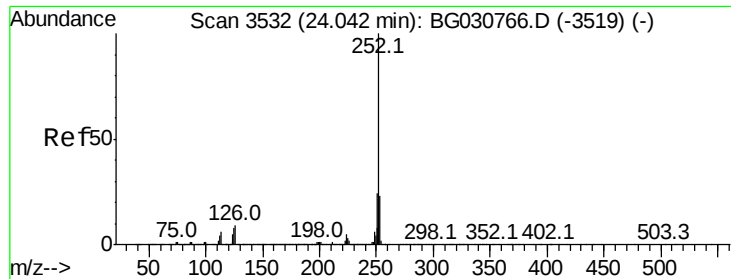


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 28.017 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

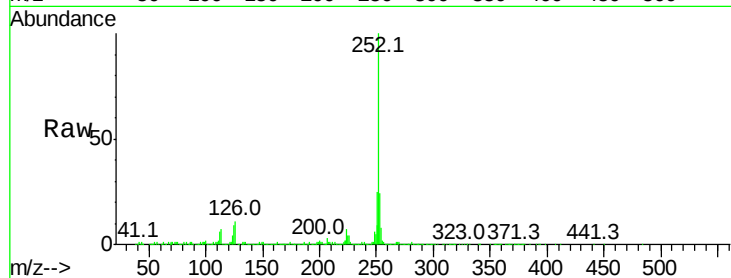
Tot Ion:252 Resp: 826633

Ion Ratio Lower Upper

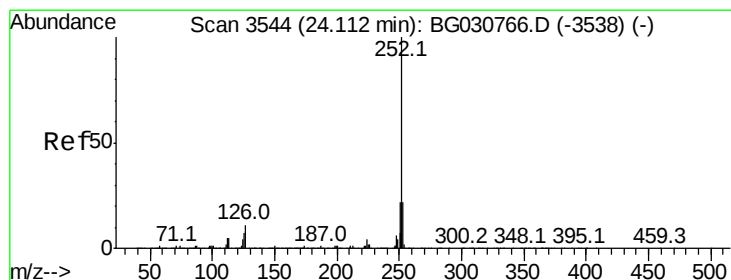
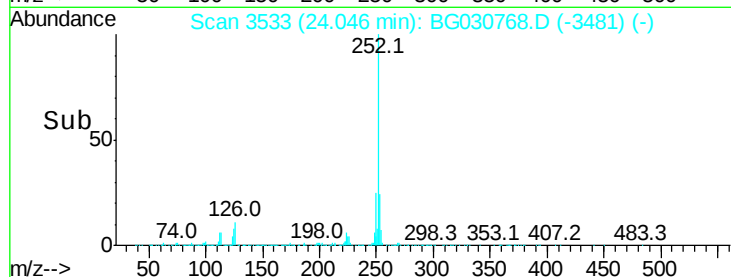
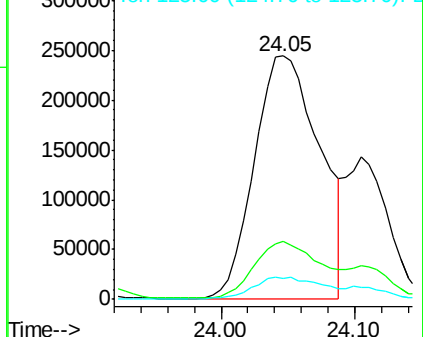
252 100

253 23.8 17.0 25.4

125 8.7 7.5 11.3



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



#86

Benzo(k)fluoranthene

Concen: 9.302 ng/ul

RT: 24.11 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

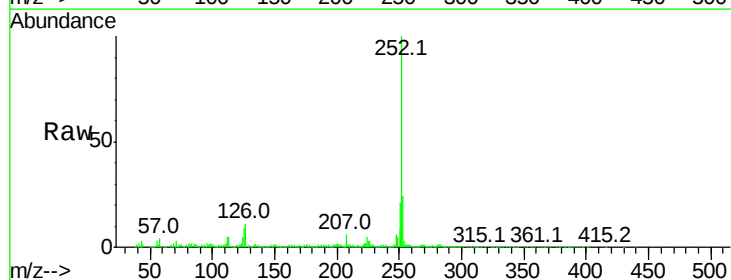
Tgt Ion:252 Resp: 265367

Ion Ratio Lower Upper

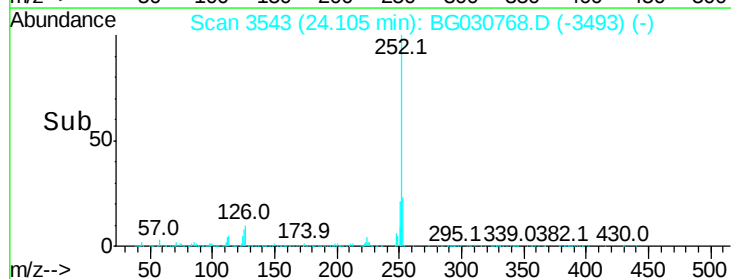
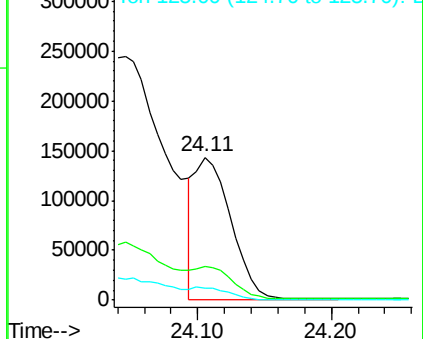
252 100

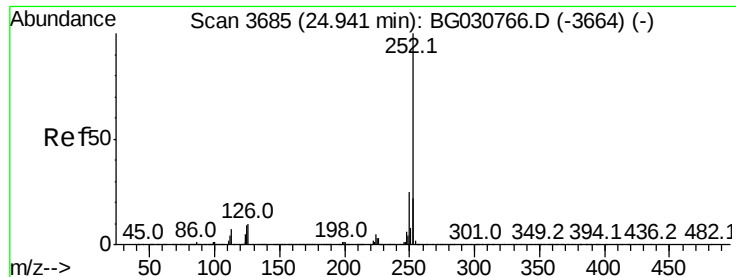
253 23.8 17.2 25.8

125 8.6 7.8 11.8



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





#88

Benzo(a)pyrene

Concen: 20.953 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

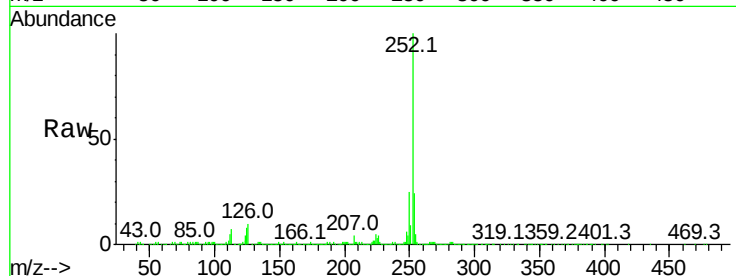
Tot Ion:252 Resp: 601791

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

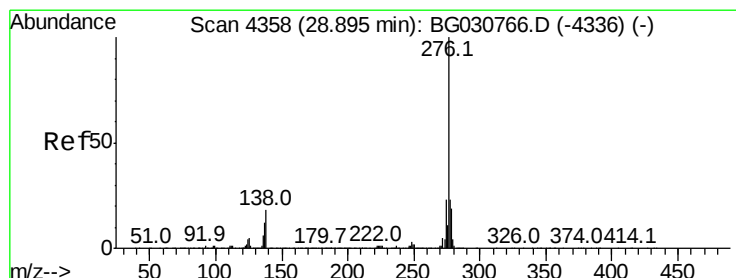
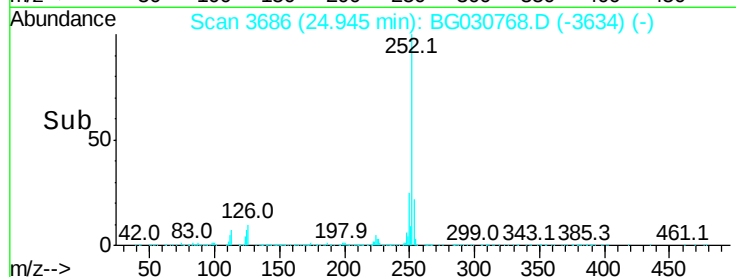
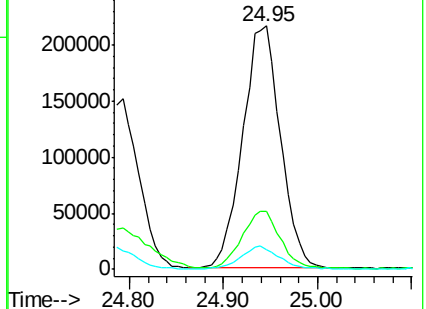
125 8.0 7.8 11.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 14.775 ng/ul

RT: 28.89 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

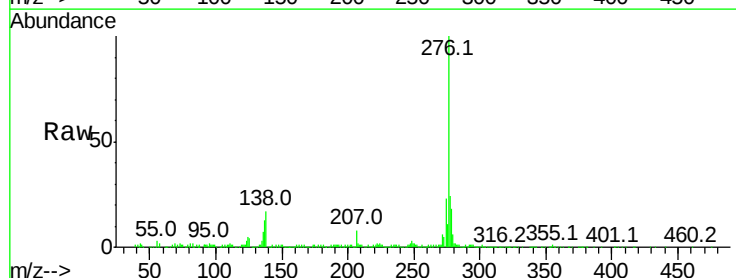
Tgt Ion:276 Resp: 480102

Ion Ratio Lower Upper

276 100

138 17.2 13.4 20.0

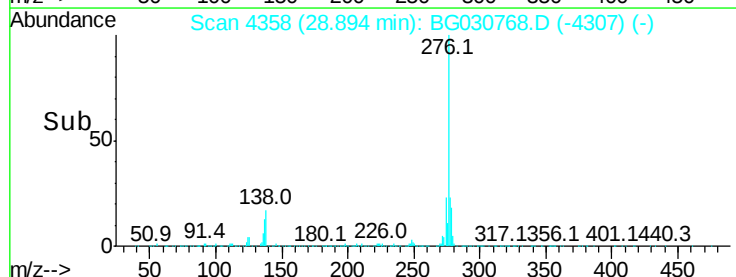
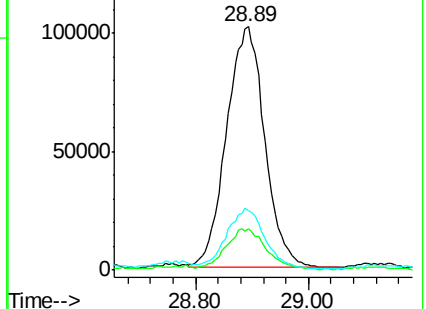
277 24.1 18.6 28.0

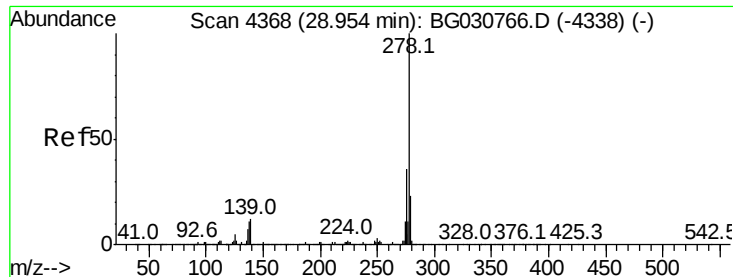


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.653 ng/ul

RT: 28.92 min Scan# 4362

Delta R.T. -0.04 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Instrument :

BNA_G

ClientSampleId :

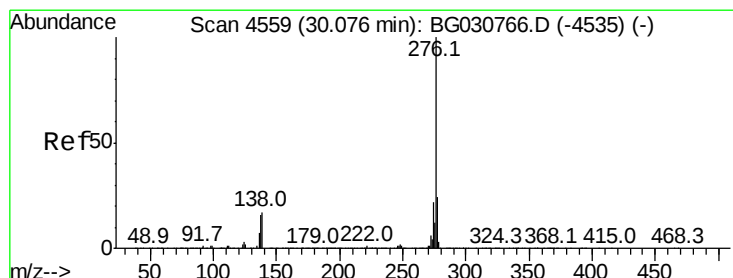
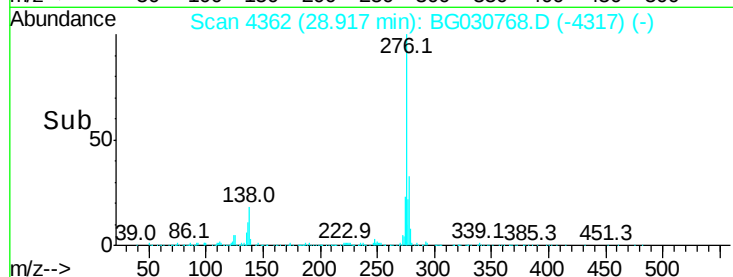
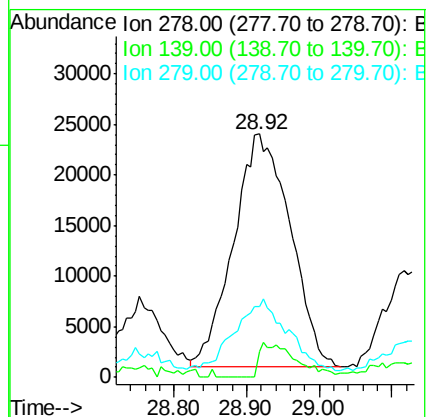
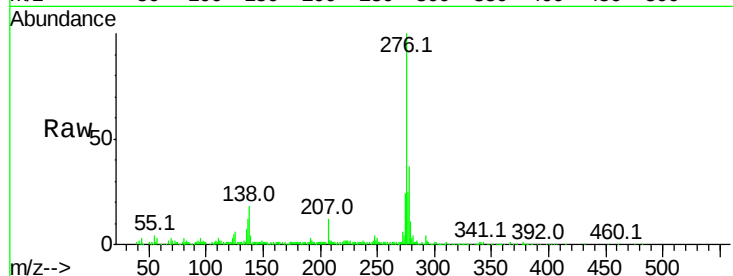
Tot Ion:278 Resp: 125600

Ion Ratio Lower Upper

278 100

139 10.8 9.4 14.2

279 29.2 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 15.868 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. 0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Tgt Ion:276 Resp: 427404

Ion Ratio Lower Upper

276 100

138 15.7 12.1 18.1

277 23.6 17.7 26.5

