

Data Path : Z:\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 :
 B0E95DL

Quant Time: Nov 07 04:23:10 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

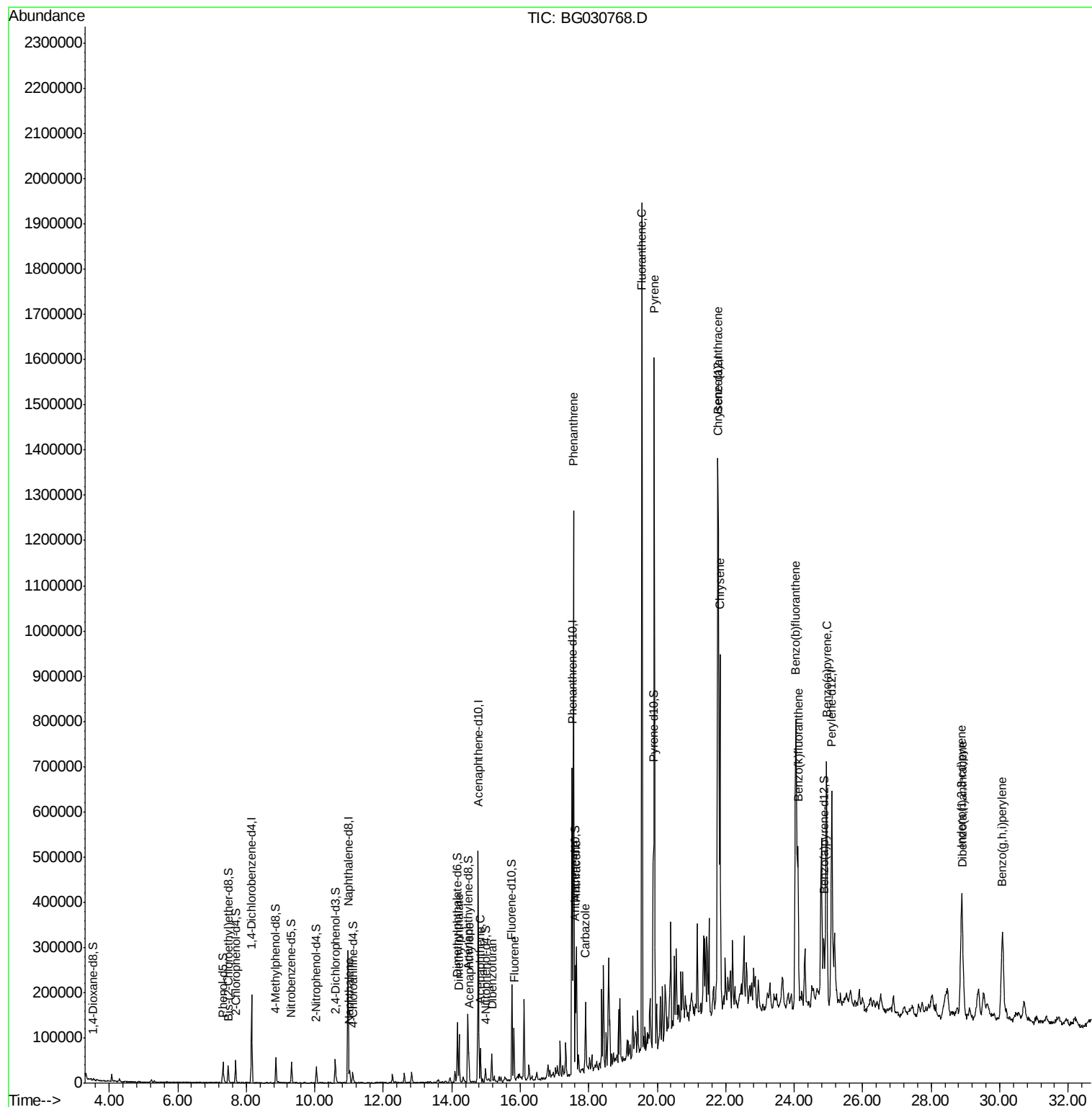
					Qvalue	
28) Naphthalene	11.02	128	25543	1.774	ng/ul	98
44) Dimethylphthalate	14.21	163	74377	4.902	ng/ul	99
47) Acenaphthylene	14.50	152	46224	2.395	ng/ul	93
49) Acenaphthene	14.83	153	31442	2.381	ng/ul	97
53) Dibenzofuran	15.17	168	38138	2.113	ng/ul	90
58) Fluorene	15.81	166	53462	3.713	ng/ul	95
69) 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

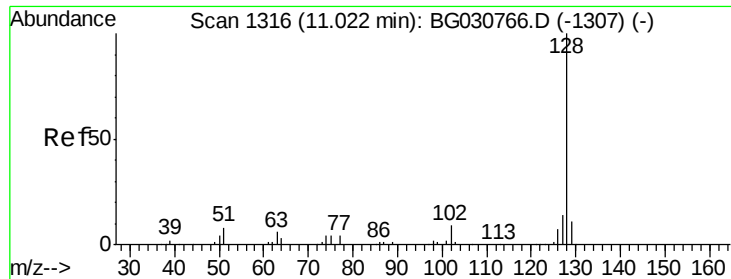
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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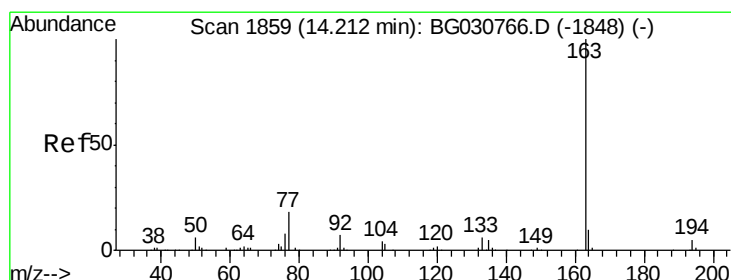
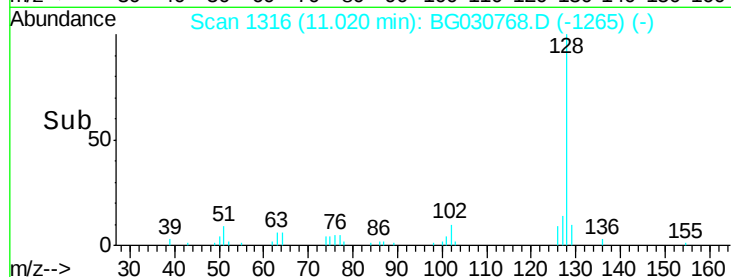
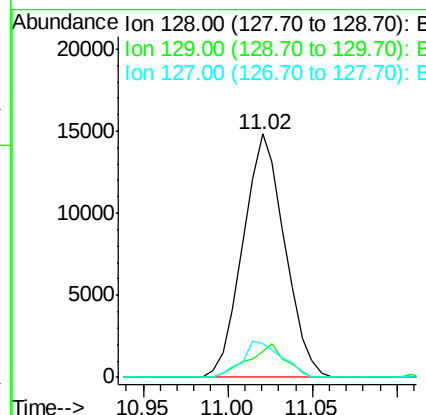
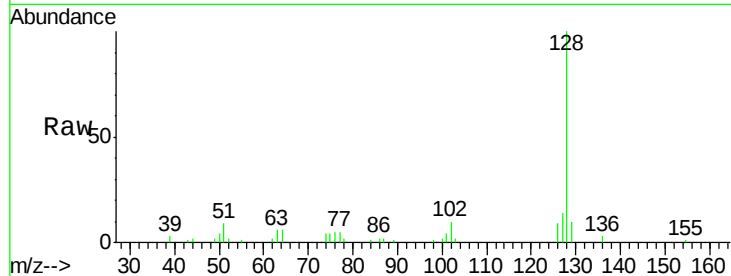




#28
Naphthalene
Concen: 1.774 ng/ul
RT: 11.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG030768.D
Acq: 6 Nov 2017 10:47

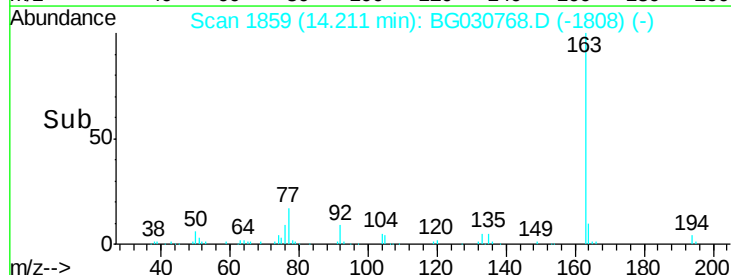
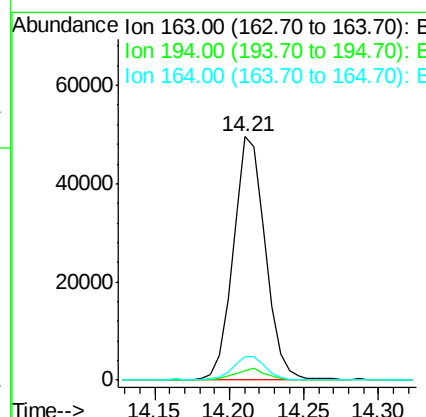
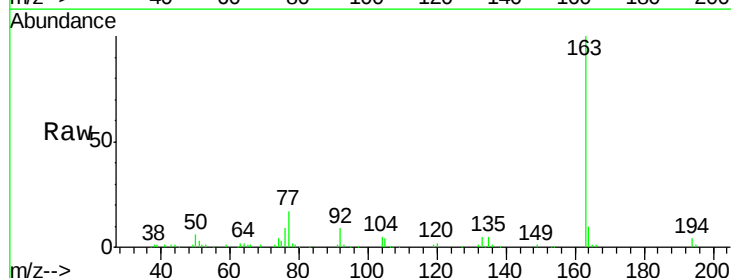
Instrument :
BNA_G
ClientSampleId :
B0E95DL

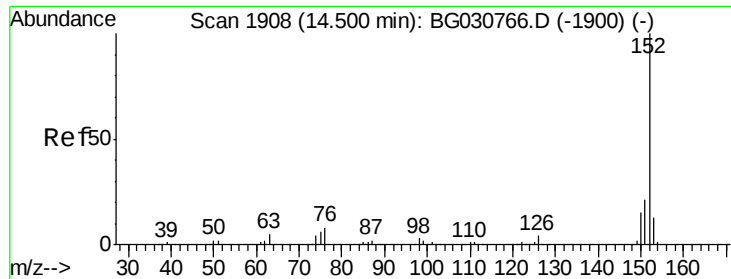
Tgt Ion:128 Resp: 25543
Ion Ratio Lower Upper
128 100
129 10.4 9.3 13.9
127 14.0 10.7 16.1



#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

Tgt Ion:163 Resp: 74377
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.8 7.6 11.4





#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

Instrument :

BNA_G

ClientSampleId :

B0E95DL

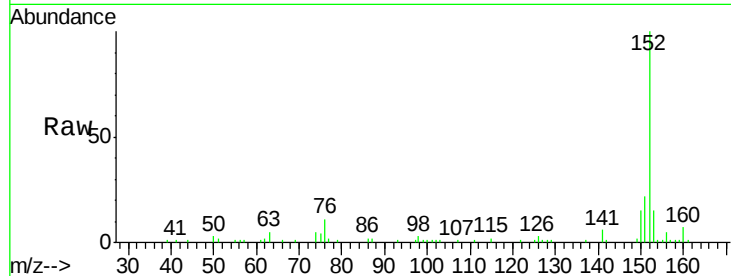
Tgt Ion:152 Resp: 46224

Ion Ratio Lower Upper

152 100

151 22.2 15.2 22.8

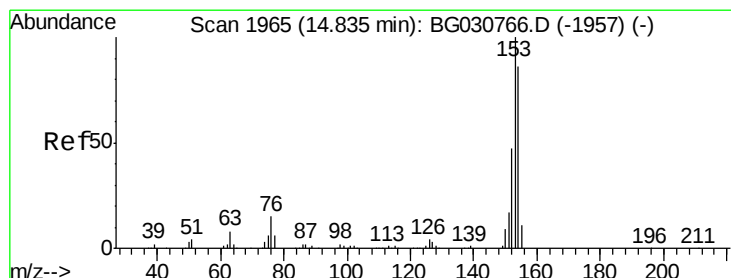
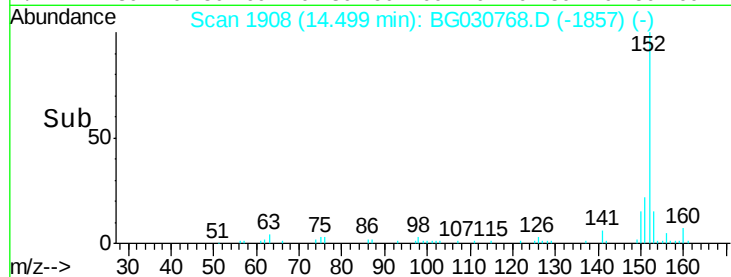
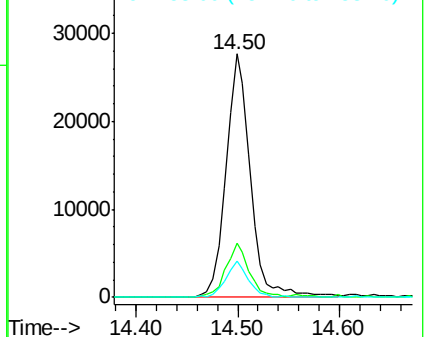
153 15.0 10.2 15.4



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

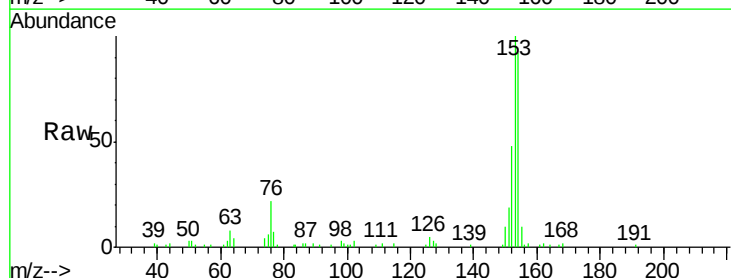
Tgt Ion:153 Resp: 31442

Ion Ratio Lower Upper

153 100

152 48.3 38.2 57.2

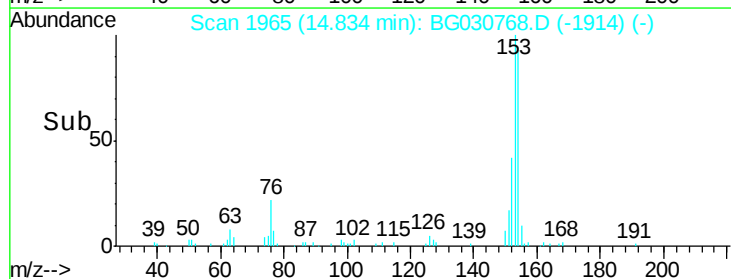
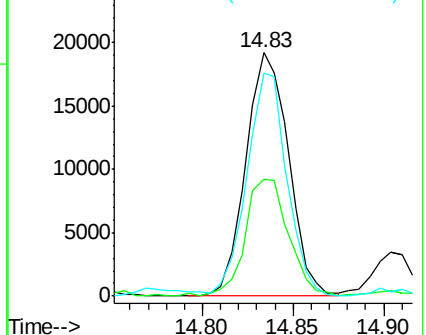
154 91.5 70.6 105.8

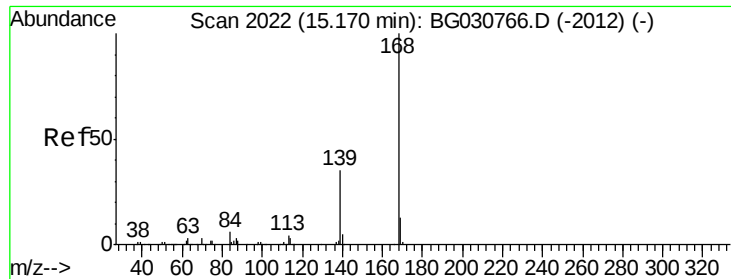


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

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

Instrument :

BNA_G

ClientSampleId :

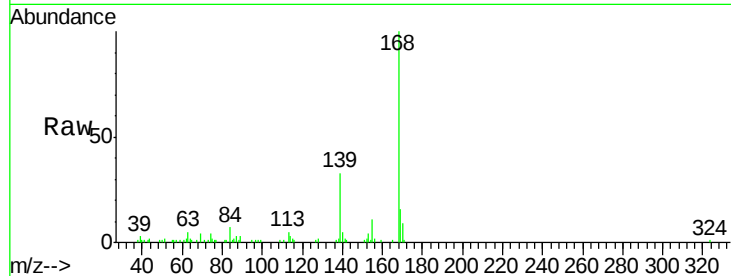
B0E95DL

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

25000

20000

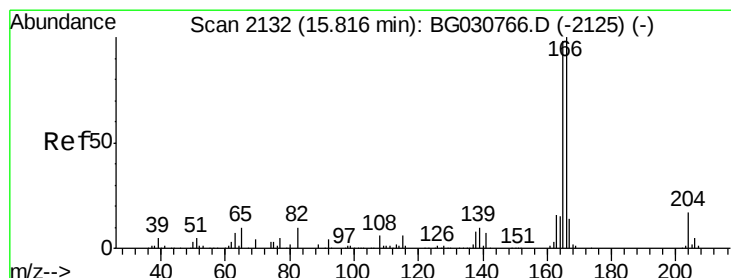
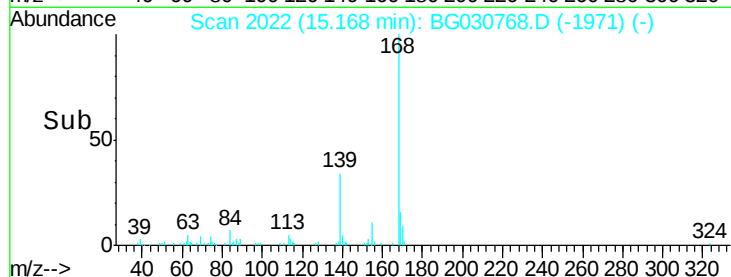
15000

10000

5000

0

Time--> 15.10 15.15 15.20 15.25



#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

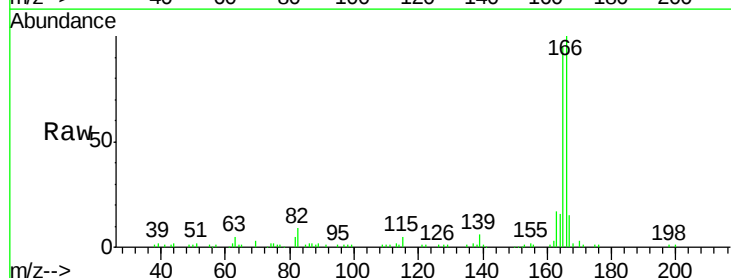
Tgt Ion:166 Resp: 53462

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

50000

40000

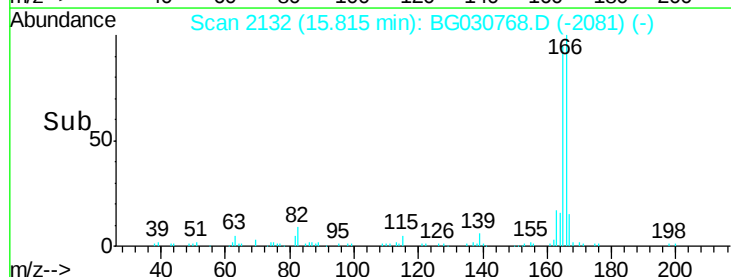
30000

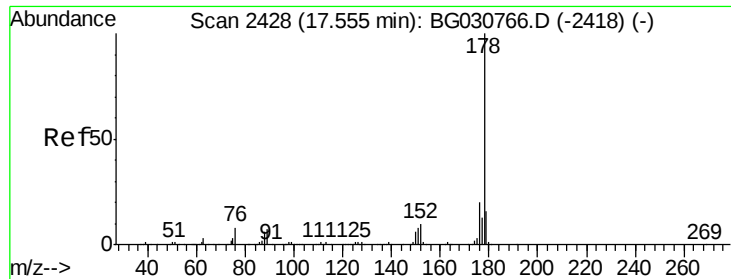
20000

10000

0

Time--> 15.75 15.80 15.85 15.90





#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

Instrument :

BNA_G

ClientSampleId :

B0E95DL

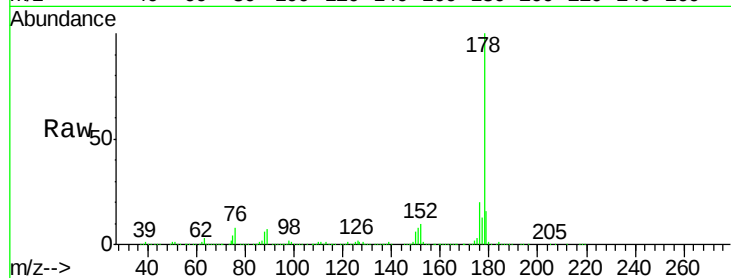
Tgt Ion:178 Resp: 796878

Ion Ratio Lower Upper

178 100

179 16.5 13.0 19.6

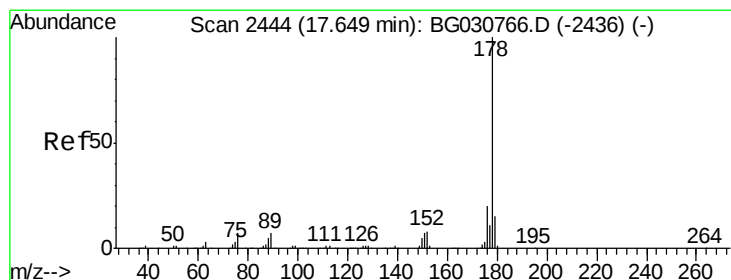
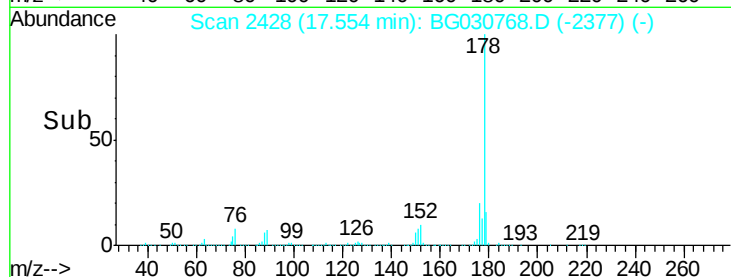
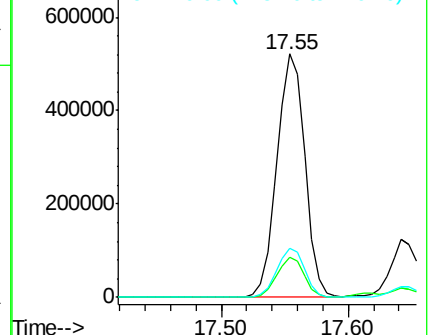
176 20.3 15.3 22.9



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

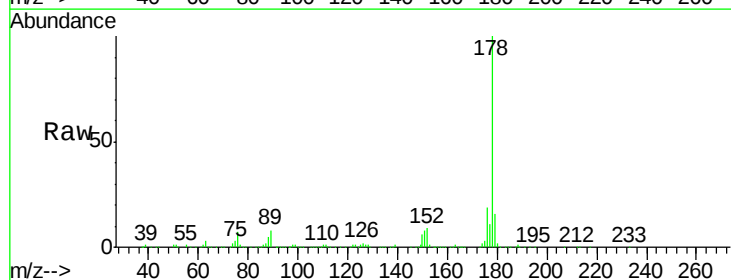
Tgt Ion:178 Resp: 185761

Ion Ratio Lower Upper

178 100

179 15.9 13.2 19.8

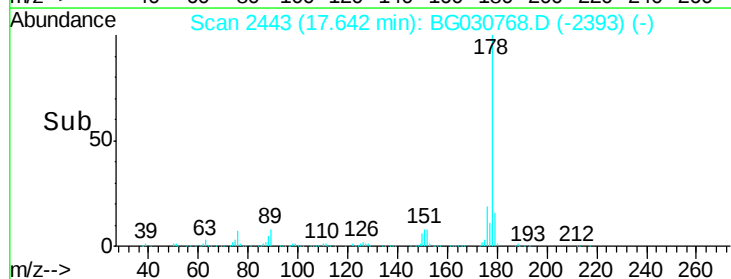
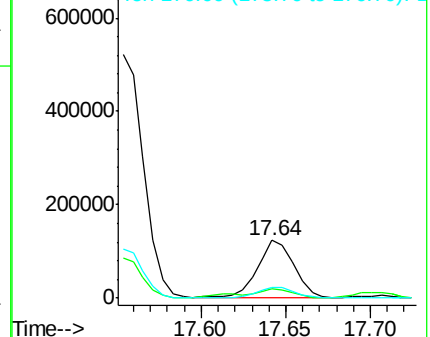
176 18.9 16.0 24.0

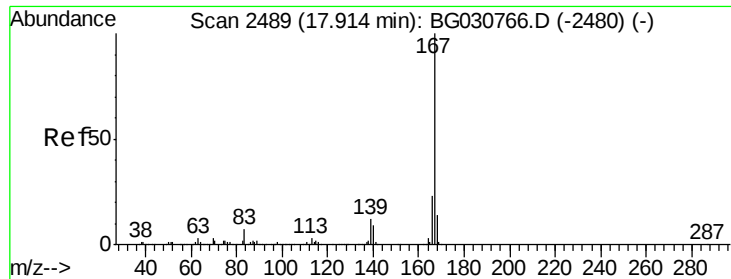


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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

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ClientSampleId :

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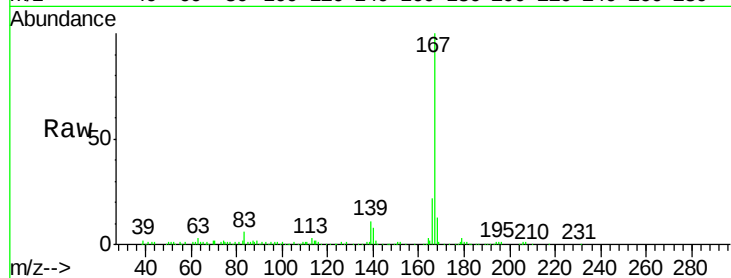
Tgt Ion:167 Resp: 104875

Ion Ratio Lower Upper

167 100

166 22.0 18.6 28.0

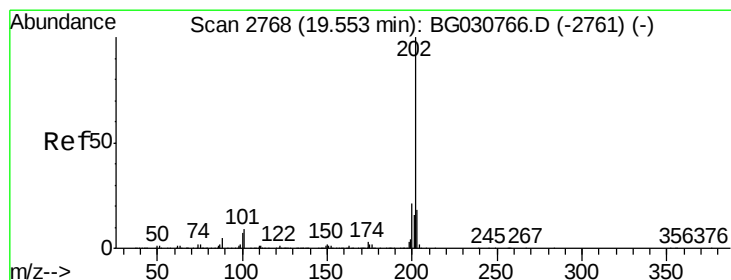
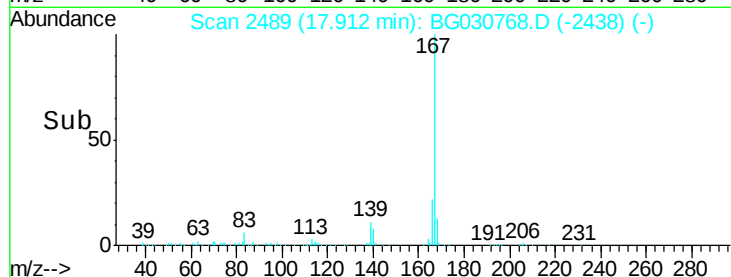
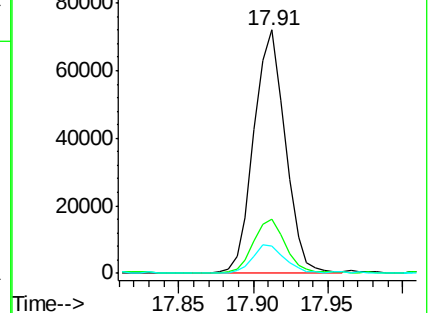
139 11.3 10.6 16.0



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



#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

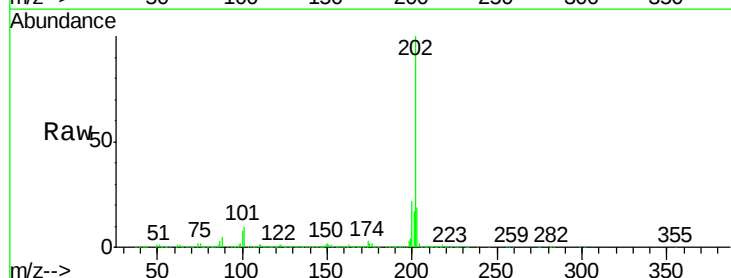
Tgt Ion:202 Resp: 1190912

Ion Ratio Lower Upper

202 100

101 9.9 7.4 11.2

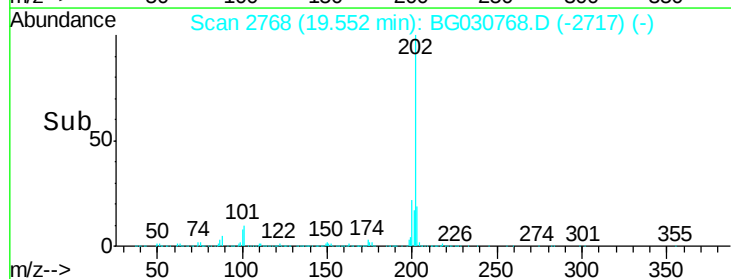
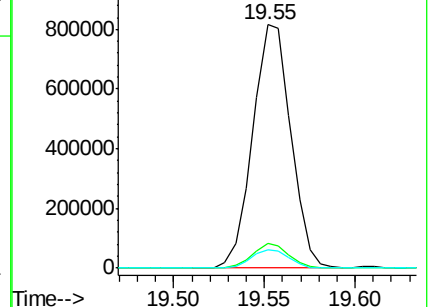
100 7.7 5.6 8.4

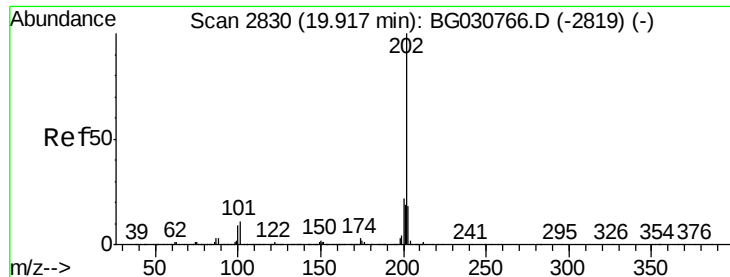


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 32.434 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. -0.00 min

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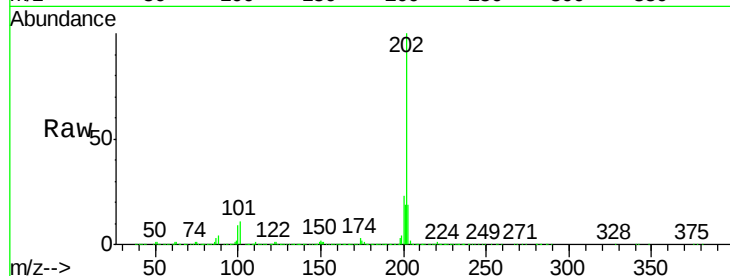
Tgt Ion:202 Resp: 1014089

Ion Ratio Lower Upper

202 100

101 10.9 8.4 12.6

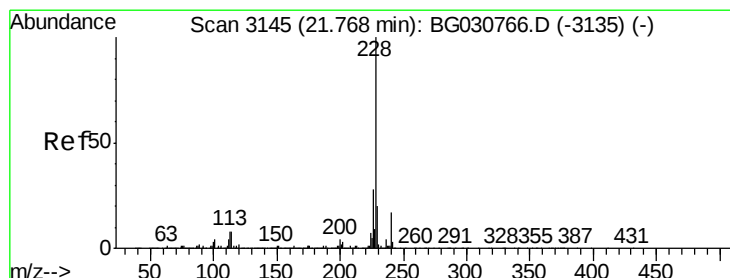
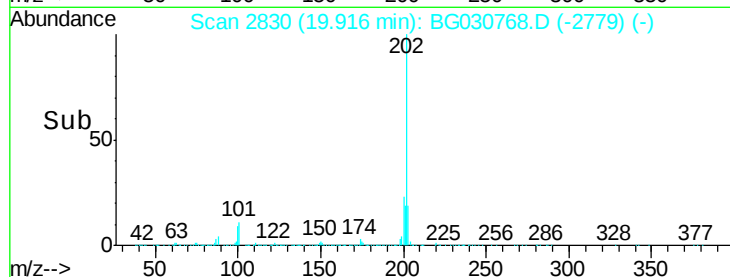
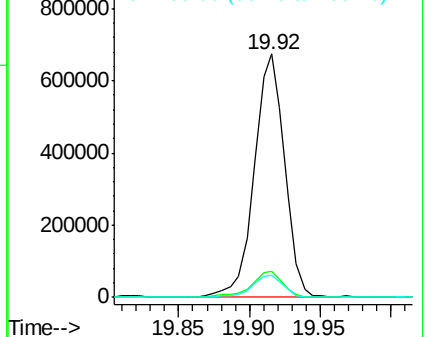
100 9.1 7.0 10.6



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

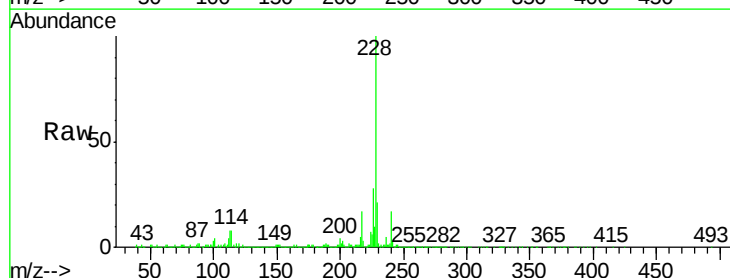
Tgt Ion:228 Resp: 644041

Ion Ratio Lower Upper

228 100

229 20.8 16.2 24.4

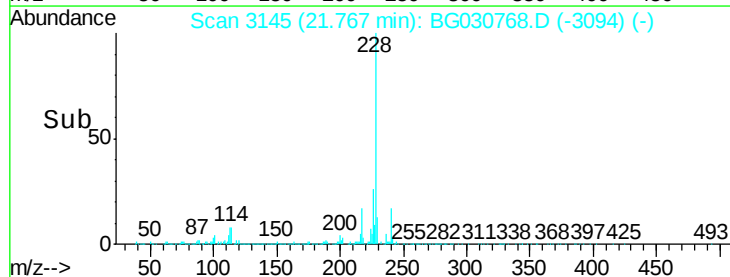
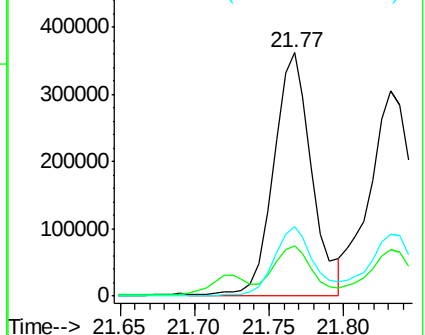
226 28.4 22.2 33.2

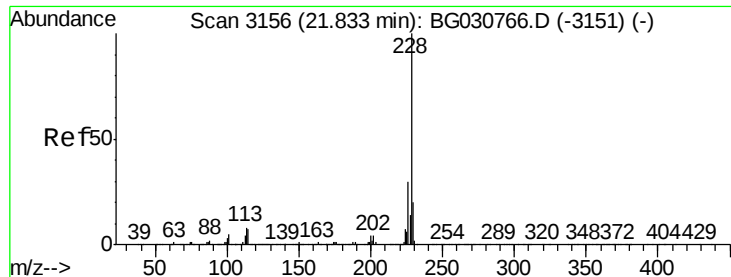


Abundance Ion 228.00 (227.70 to 228.70): E

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

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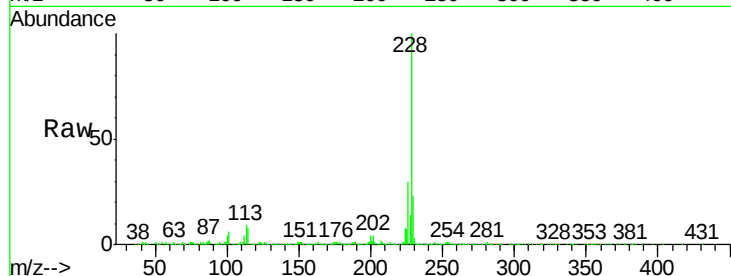
Tgt Ion:228 Resp: 584054

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

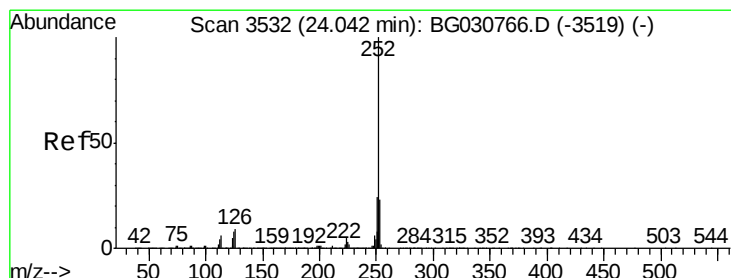
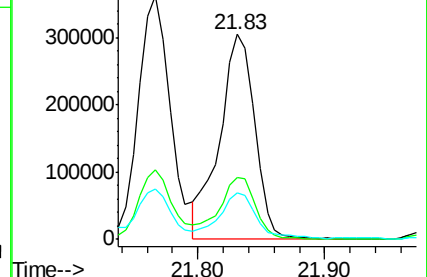
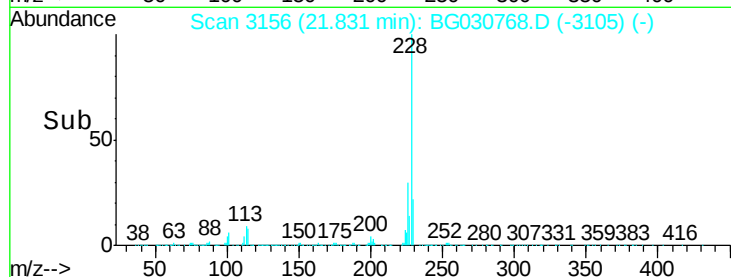
229 22.7 15.2 22.8



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

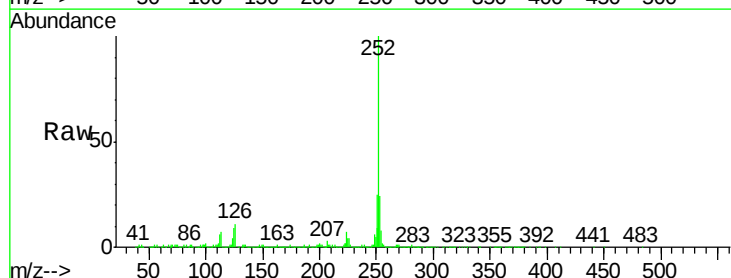
Tgt Ion:252 Resp: 826633

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

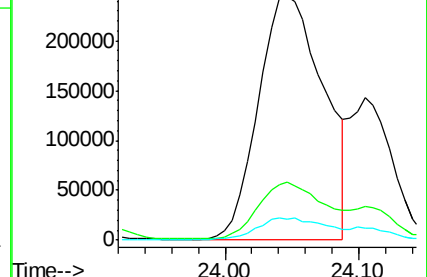
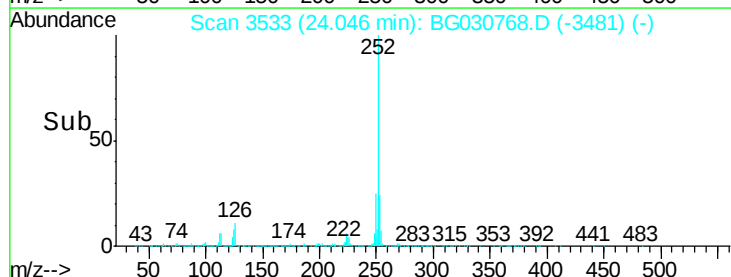
125 8.7 7.5 11.3

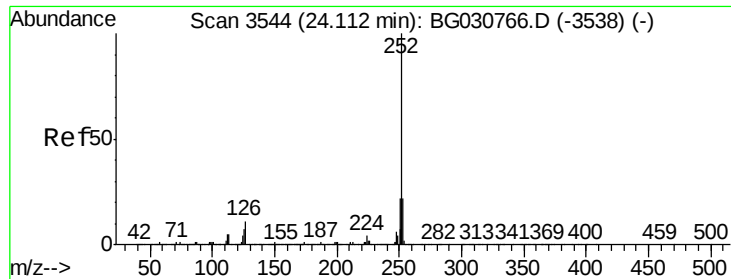


Abundance Ion 252.00 (251.70 to 252.70): E

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

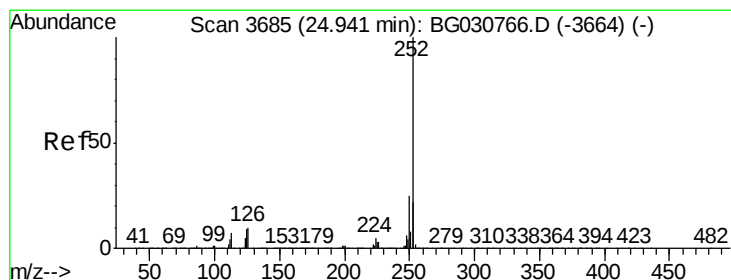
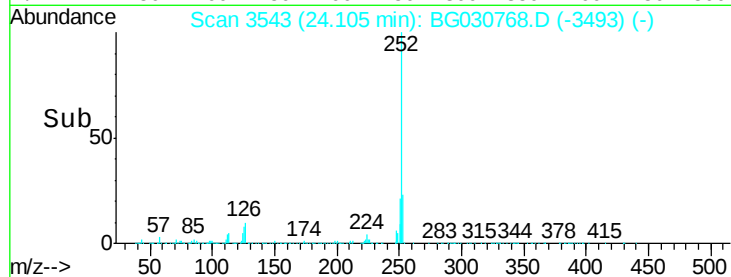
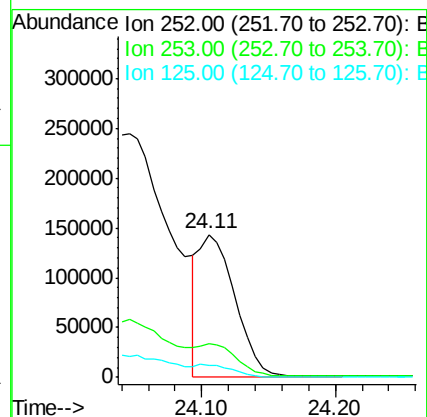
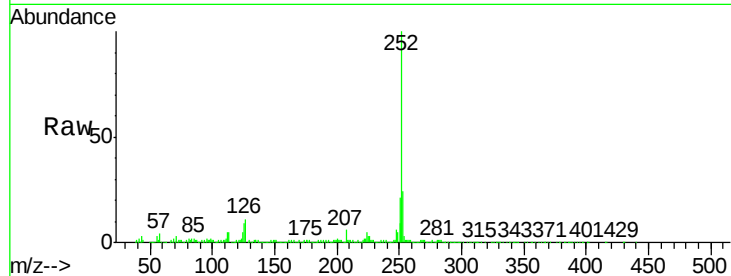
Instrument :

BNA_G

ClientSampleId :

B0E95DL

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



#88

Benzo(a)pyrene

Concen: 20.953 ng/ul

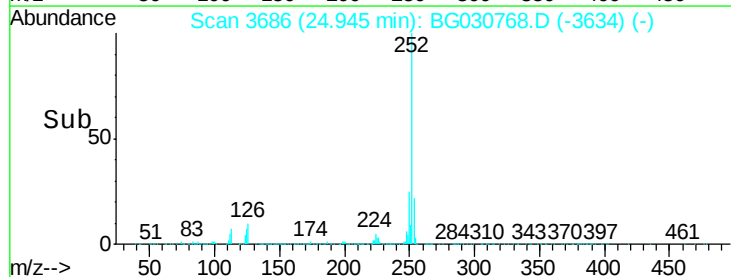
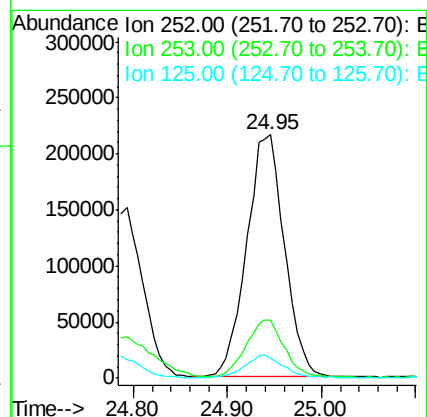
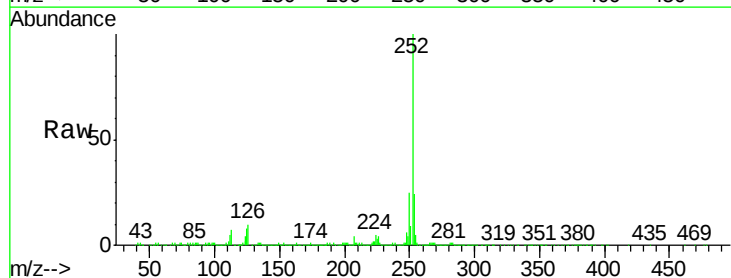
RT: 24.95 min Scan# 3686

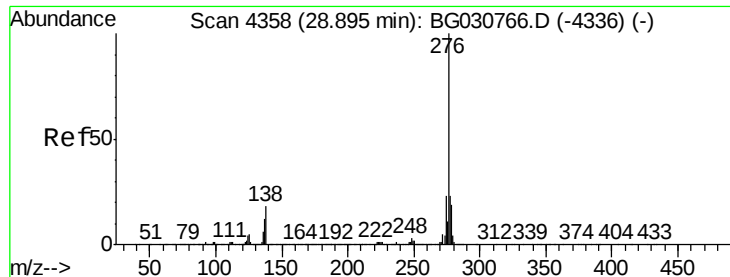
Delta R.T. 0.00 min

Lab File: BG030768.D

Acq: 6 Nov 2017 10:47

Tgt Ion:	252	Resp:	601791
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	8.0	7.8	11.8





#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

Instrument :

BNA_G

ClientSampleId :

B0E95DL

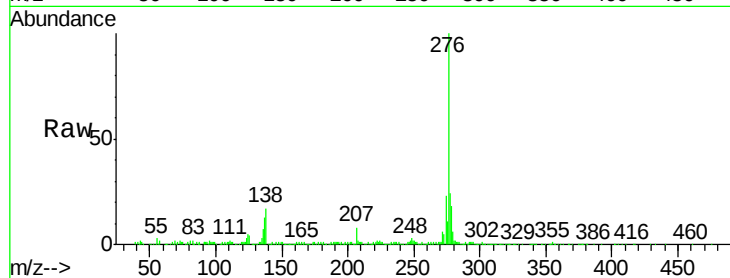
Tgt Ion:276 Resp: 480102

Ion Ratio Lower Upper

276 100

138 17.2 13.4 20.0

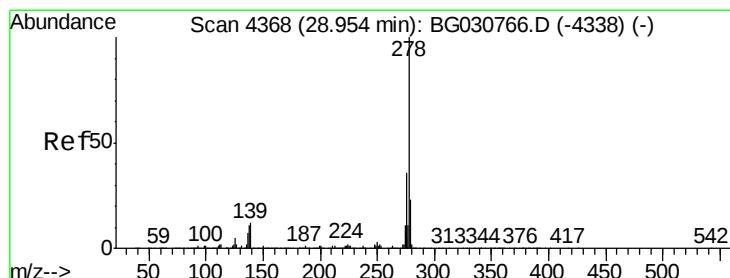
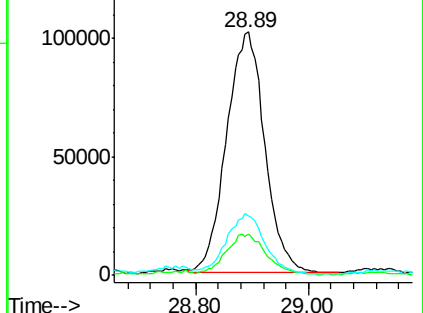
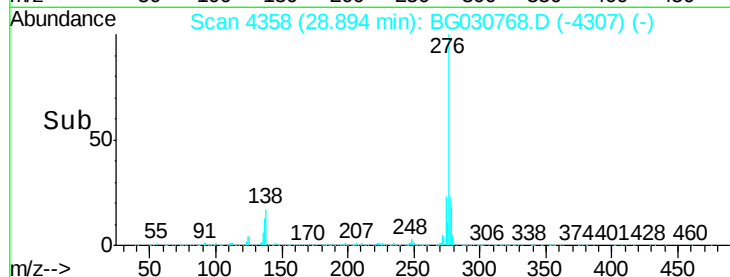
277 24.1 18.6 28.0



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

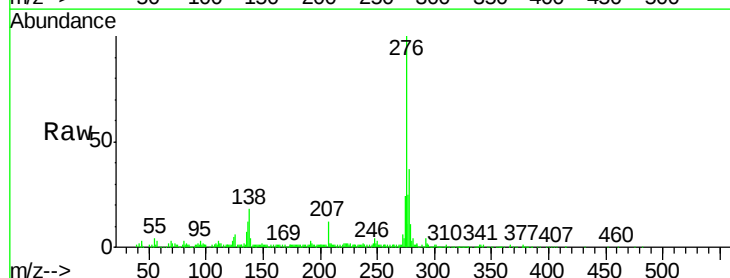
Tgt Ion:278 Resp: 125600

Ion Ratio Lower Upper

278 100

139 10.8 9.4 14.2

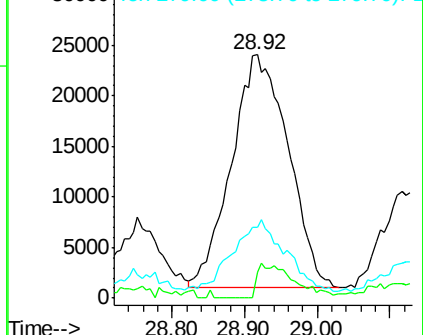
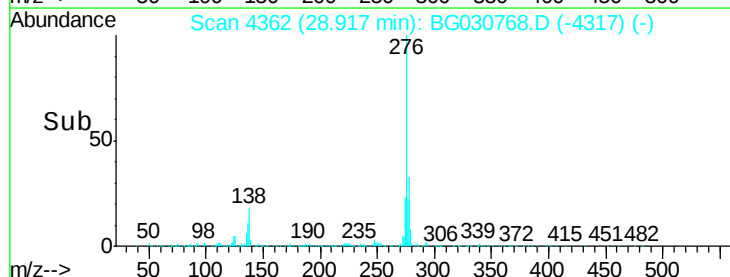
279 29.2 18.4 27.6#

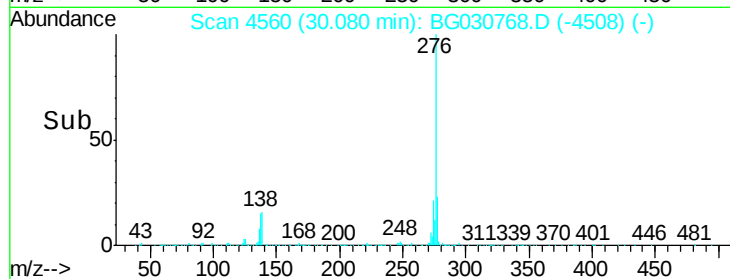
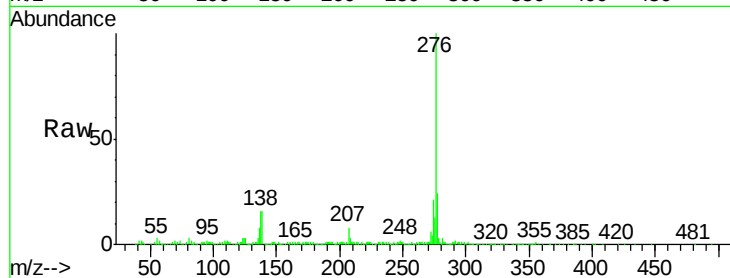
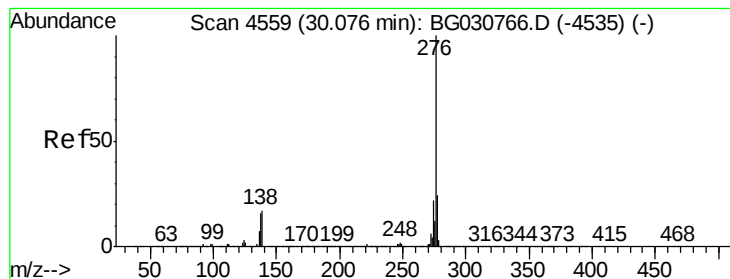


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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

Instrument :

BNA_G

ClientSampleId :

B0E95DL

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

