

Data File : BG030761.D
Acq On : 6 Nov 2017 5:22
Operator : SJ/JU
Sample : I6126-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0EF5

Quant Time: Nov 06 06:07:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	76934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	355113	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	233998	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	556561	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	577226	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	598355	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	8782	4.64	ng/uL	0.00
5) Phenol-d5	7.32	99	167761	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	102369	22.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	142007	27.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	133234	22.34	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	72018	28.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	84044	32.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	153392	25.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	181958	26.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	514166	25.70	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	648026	26.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	73434	19.88	ng/ul	0.00
57) Fluorene-d10	15.76	176	489206	29.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	19432	7.15	ng/ul	0.00
70) Anthracene-d10	17.61	188	760370	28.89	ng/ul	0.00
76) Pyrene-d10	19.89	212	862483	28.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	875504	30.89	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.35	94	27058	3.54	ng/ul#	82
44) Dimethylphthalate	14.22	163	178457	9.15	ng/ul	100
49) Acenaphthene	14.84	153	28621	1.69	ng/ul	97
53) Dibenzofuran	15.17	168	28962	1.25	ng/ul	96
58) Fluorene	15.81	166	37820	2.04	ng/ul	92
69) Phenanthrene	17.55	178	637027	21.17	ng/ul	99
71) Anthracene	17.65	178	159742	5.15	ng/ul	97
72) Carbazole	17.91	167	82647	2.96	ng/ul	98
74) Fluoranthene	19.56	202	917591	27.29	ng/ul	99
77) Pyrene	19.91	202	751342	19.42	ng/ul	98
80) Benzo(a)anthracene	21.77	228	500407	13.83	ng/ul	96
82) Chrysene	21.77	228	500869	15.24	ng/ul	96
85) Benzo(b)fluoranthene	24.05	252	542524	15.10	ng/ul	97
86) Benzo(k)fluoranthene	24.10	252	176524	5.08	ng/ul	98
88) Benzo(a)pyrene	24.94	252	397810	11.38	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.89	276	267331	6.76	ng/ul	99
90) Dibenzo(a,h)anthracene	28.92	278	84602	2.57	ng/ul#	85
91) Benzo(g,h,i)perylene	30.08	276	226359	6.90	ng/ul	97

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

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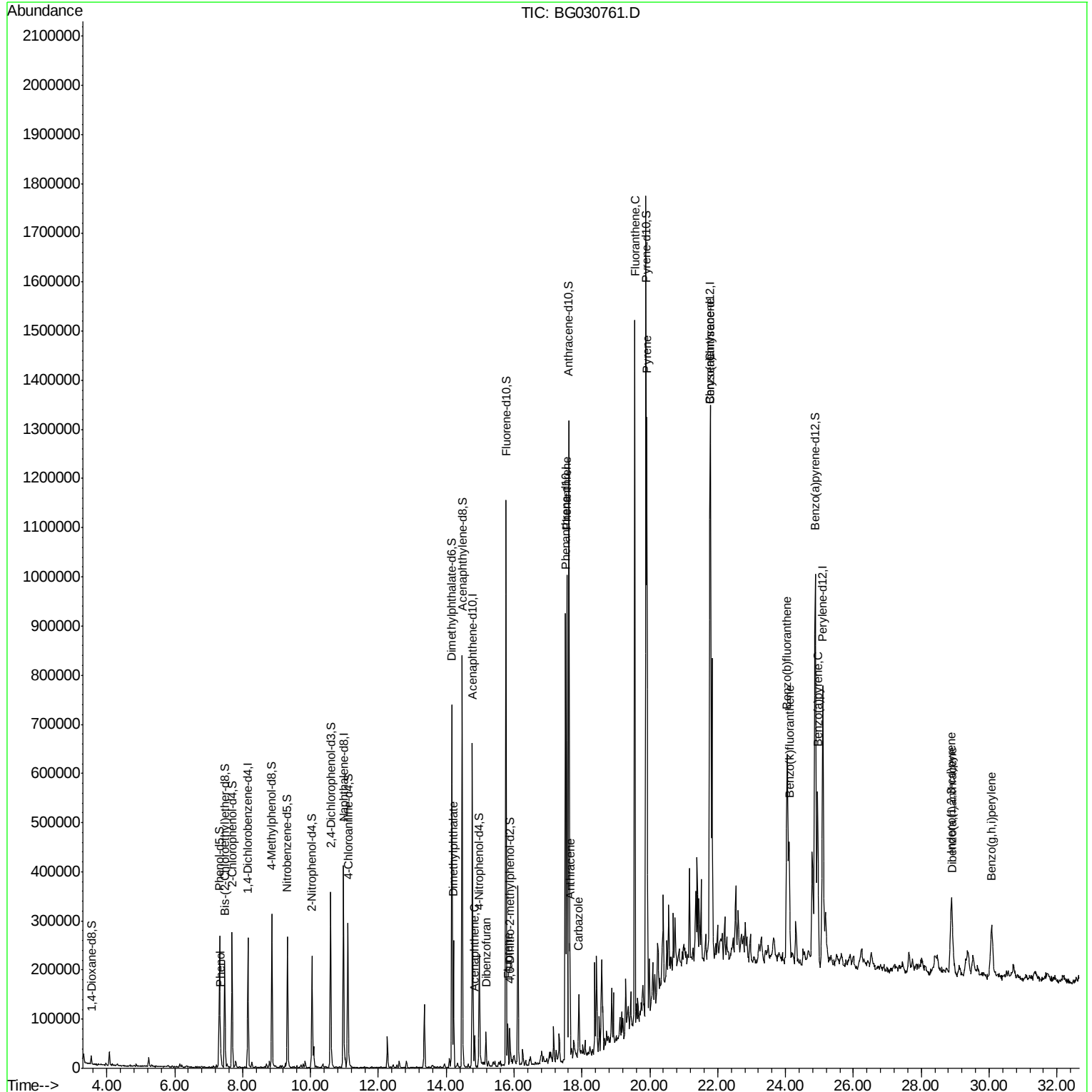
Quant Time: Nov 06 06:07:09 2017

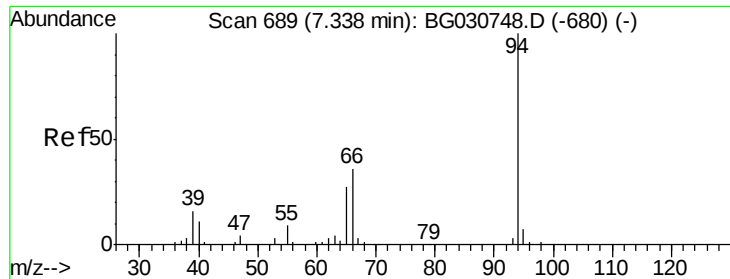
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 06 01:27:00 2017

Response via : Initial Calibration





#6

Phenol

Concen: 3.54 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

B0EF5

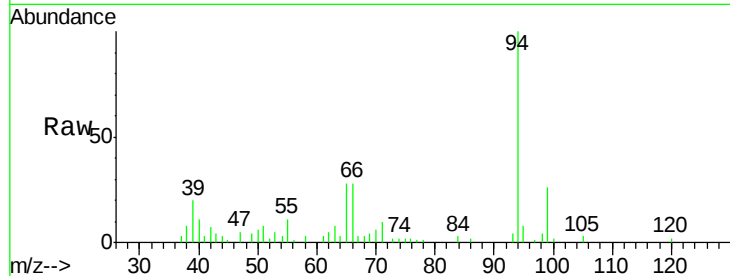
Tgt Ion: 94 Resp: 27058

Ion Ratio Lower Upper

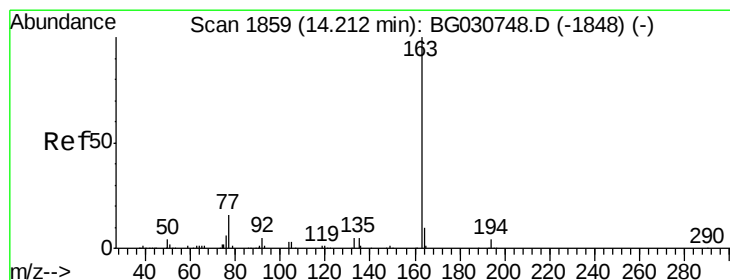
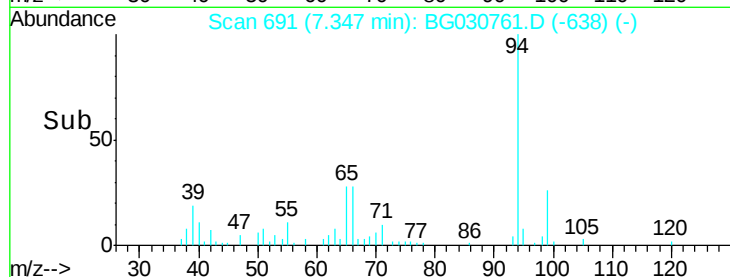
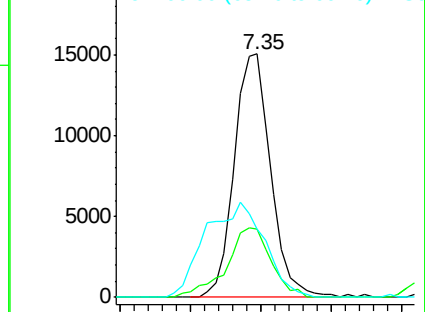
94 100

65 28.1 27.1 40.7

66 27.9 34.6 52.0#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 9.15 ng/ul

RT: 14.22 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

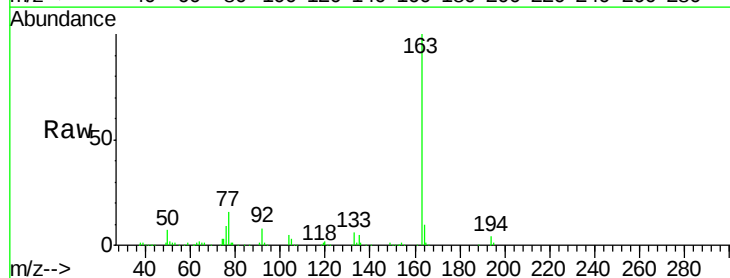
Tgt Ion:163 Resp: 178457

Ion Ratio Lower Upper

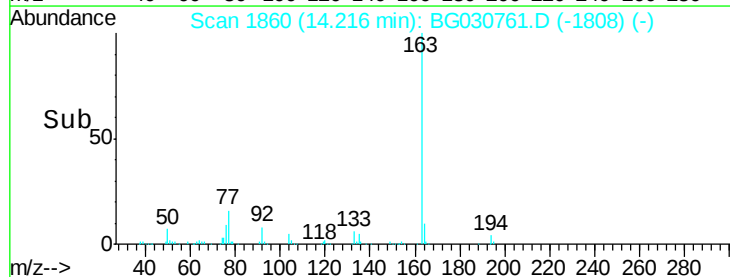
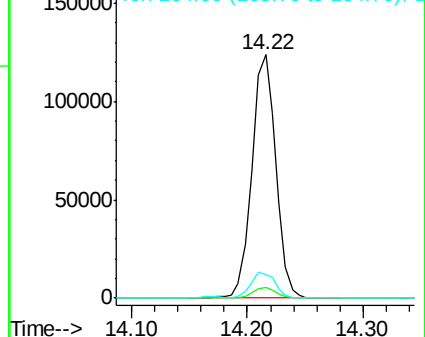
163 100

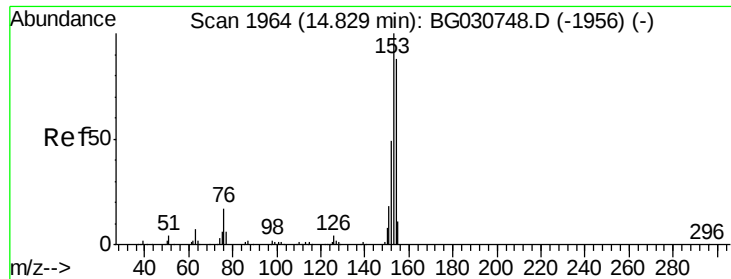
194 4.4 3.5 5.3

164 9.6 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





#49

Acenaphthene

Concen: 1.69 ng/ul

RT: 14.84 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

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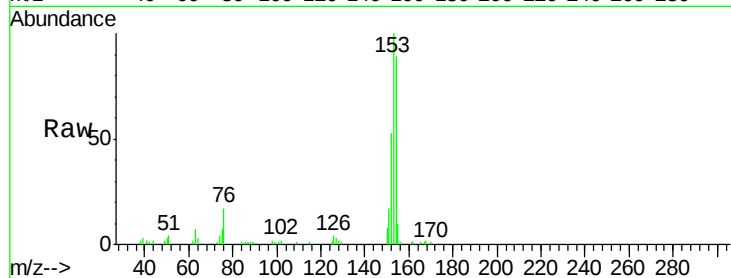
Tgt Ion:153 Resp: 28621

Ion Ratio Lower Upper

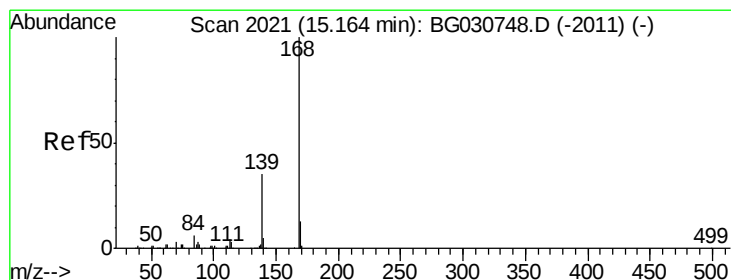
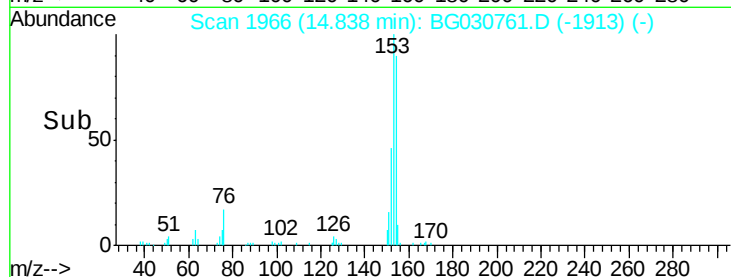
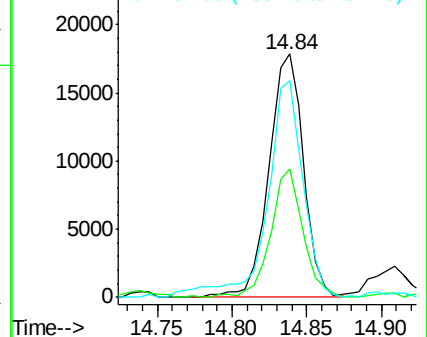
153 100

152 52.8 38.2 57.2

154 89.0 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: 1.25 ng/ul

RT: 15.17 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG030761.D

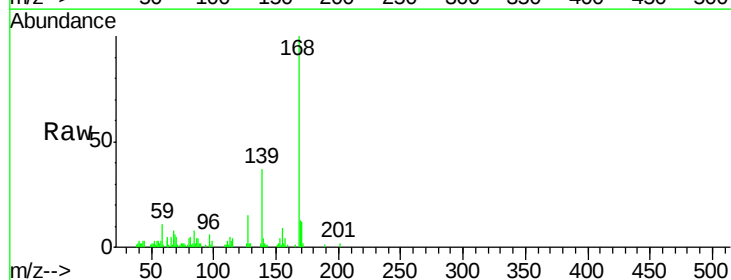
Acq: 6 Nov 2017 5:22

Tgt Ion:168 Resp: 28962

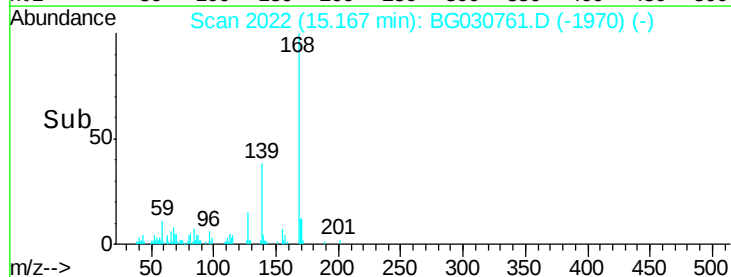
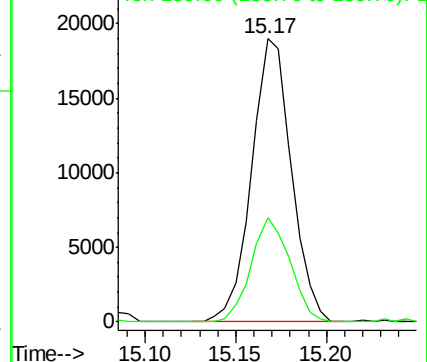
Ion Ratio Lower Upper

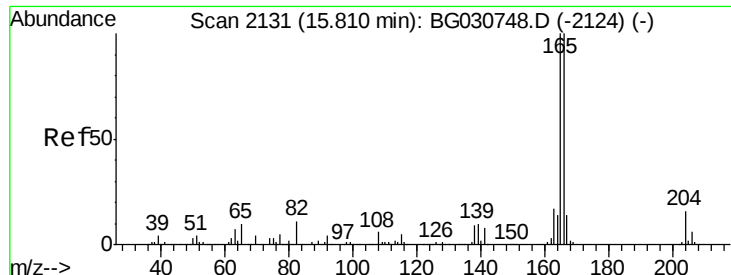
168 100

139 36.8 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: 2.04 ng/ul

RT: 15.81 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

B0EF5

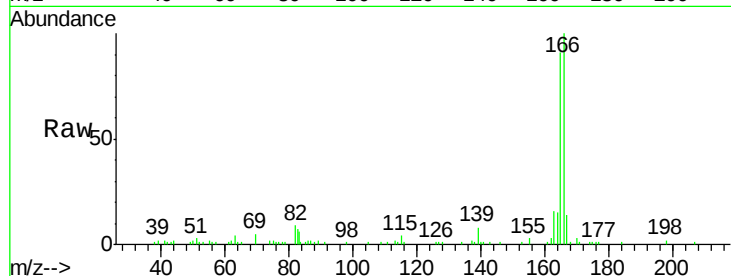
Tgt Ion:166 Resp: 37820

Ion Ratio Lower Upper

166 100

165 91.5 79.9 119.9

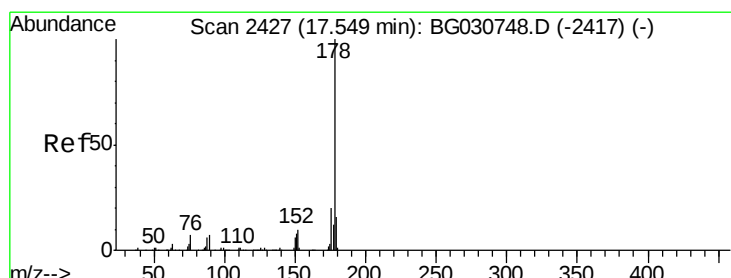
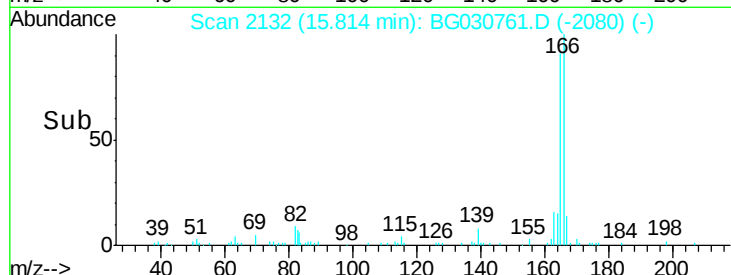
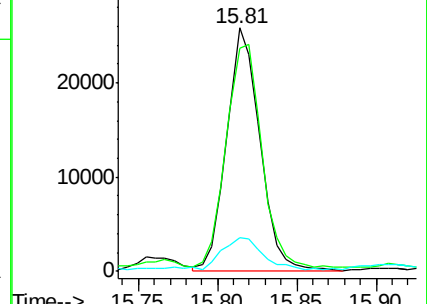
167 13.8 10.6 16.0



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

Phenanthrene

Concen: 21.17 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

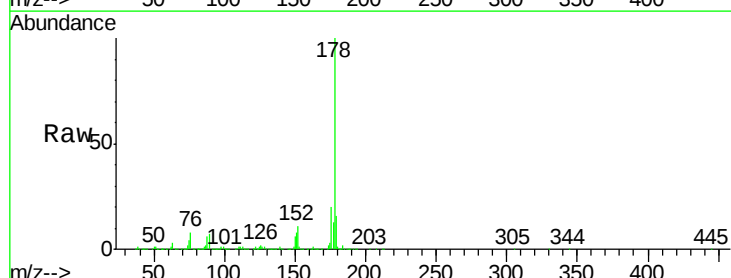
Tgt Ion:178 Resp: 637027

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

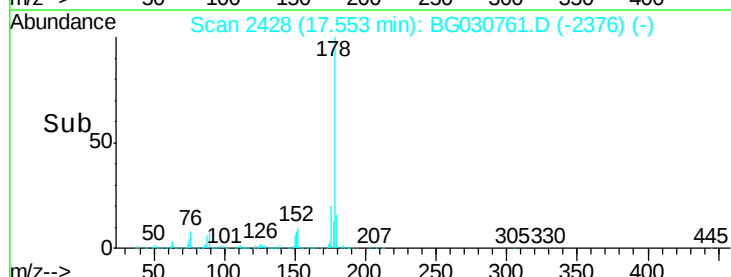
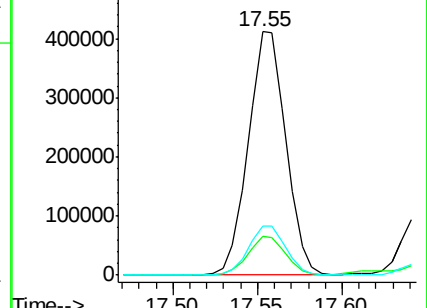
176 20.1 15.3 22.9

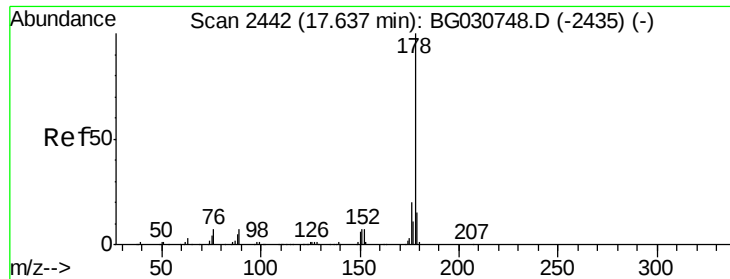


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

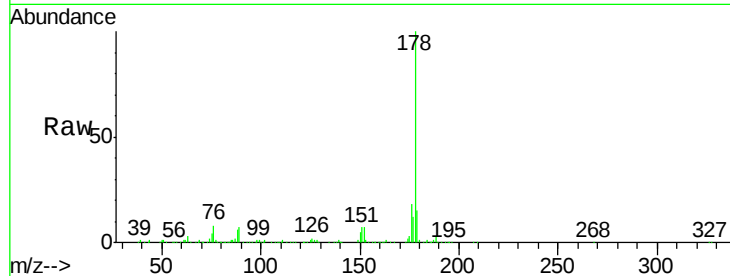




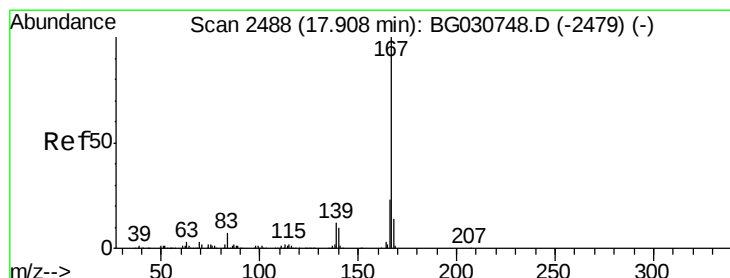
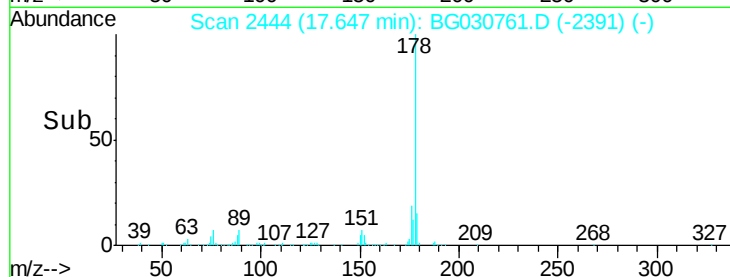
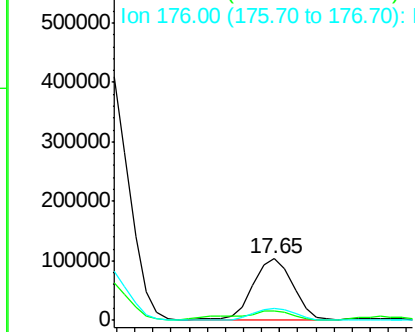
#71
 Anthracene
 Concen: 5.15 ng/ul
 RT: 17.65 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Instrument :
 BNA_G
 ClientSampleId :
 B0EF5

Tgt Ion:178 Resp: 159742
 Ion Ratio Lower Upper
 178 100
 179 15.3 13.2 19.8
 176 18.5 16.0 24.0

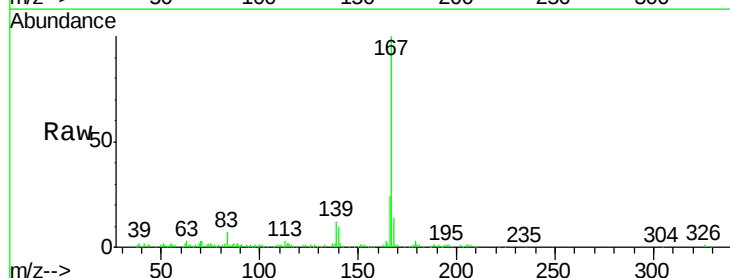


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

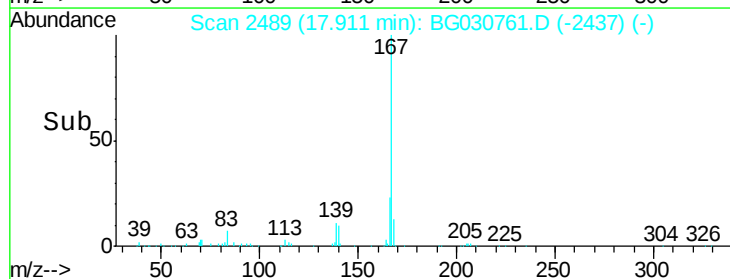
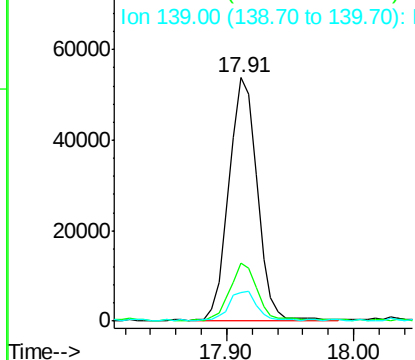


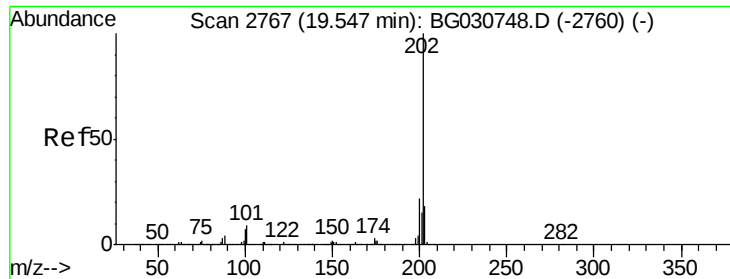
#72
 Carbazole
 Concen: 2.96 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Tgt Ion:167 Resp: 82647
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.6 28.0
 139 11.7 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: 27.29 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

B0EF5

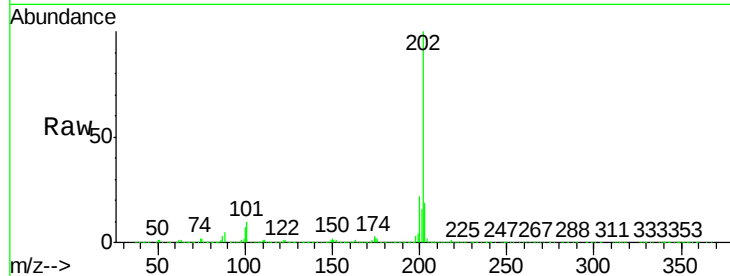
Tgt Ion:202 Resp: 917591

Ion Ratio Lower Upper

202 100

101 9.8 7.4 11.2

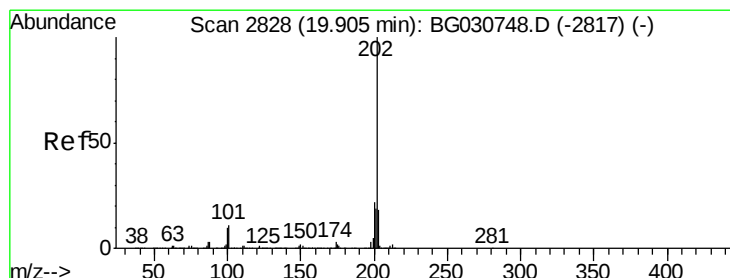
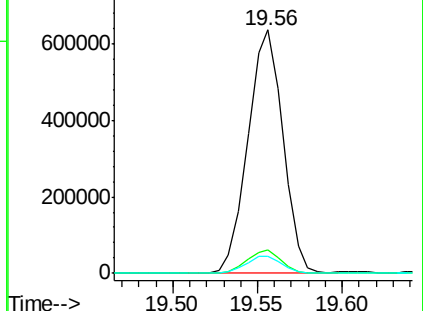
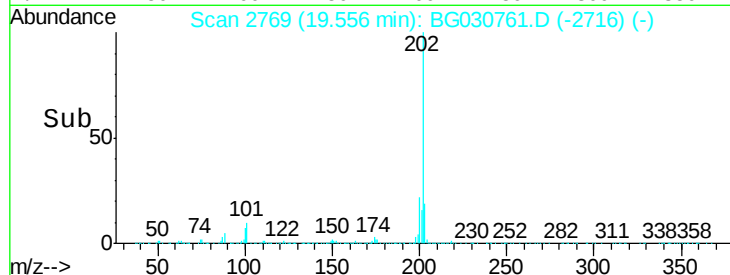
100 7.1 5.6 8.4



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: 19.42 ng/ul

RT: 19.91 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

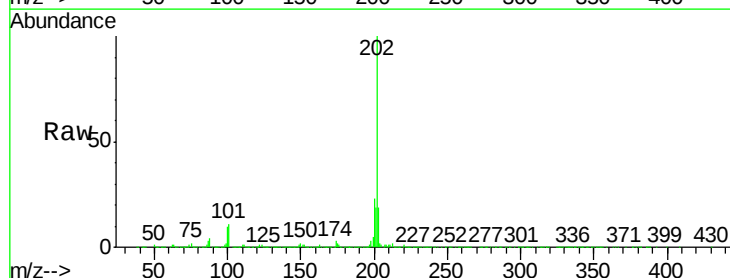
Tgt Ion:202 Resp: 751342

Ion Ratio Lower Upper

202 100

101 11.4 8.4 12.6

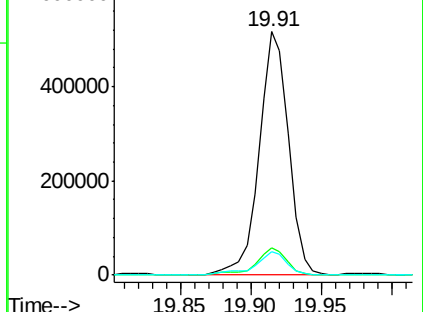
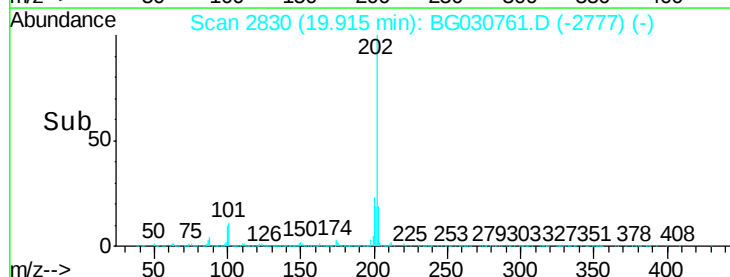
100 9.6 7.0 10.6

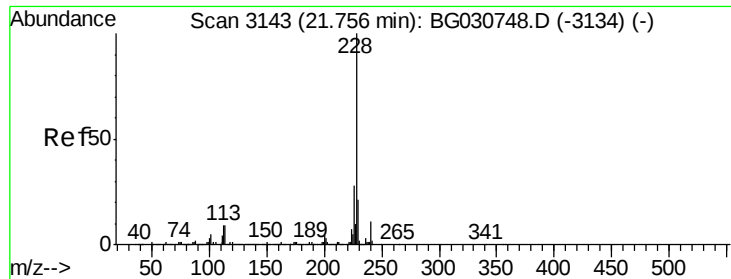


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 13.83 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

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BNA_G

ClientSampleId :

B0EF5

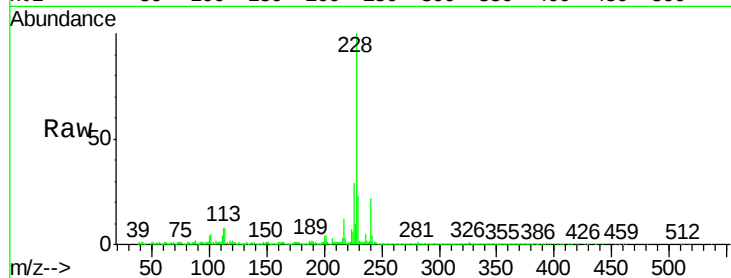
Tgt Ion:228 Resp: 500407

Ion Ratio Lower Upper

228 100

229 22.6 16.2 24.4

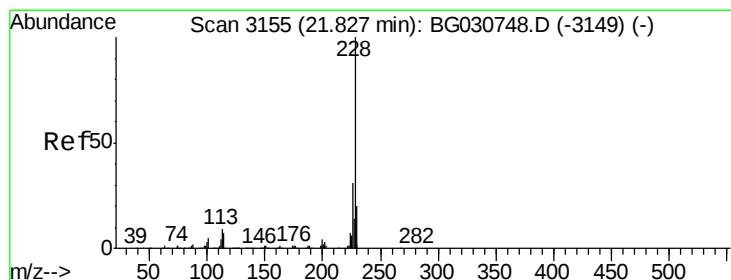
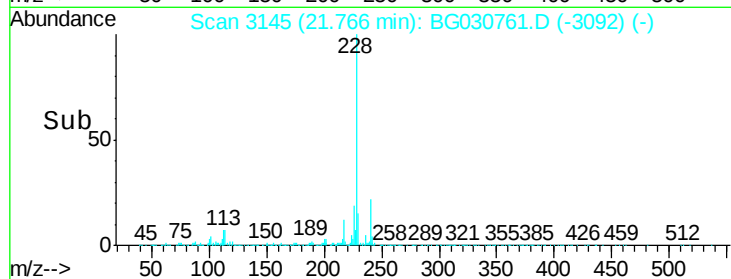
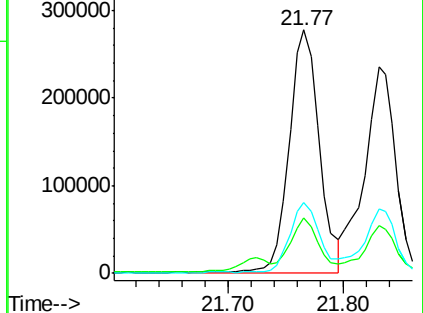
226 29.0 22.2 33.2



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: 15.24 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. -0.06 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

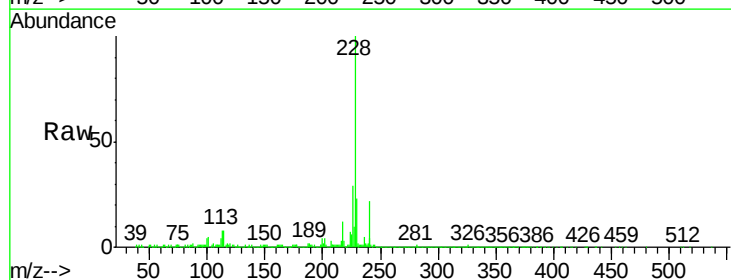
Tgt Ion:228 Resp: 500869

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

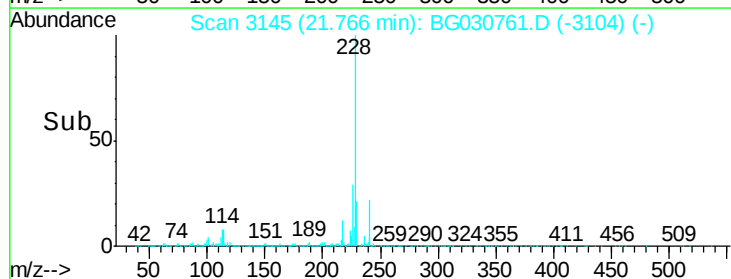
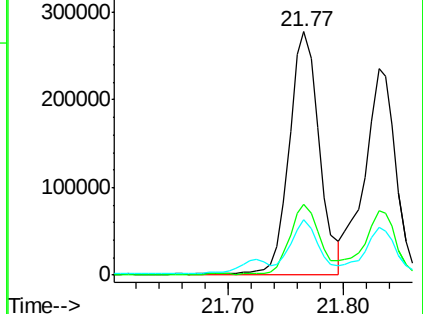
229 22.6 15.2 22.8

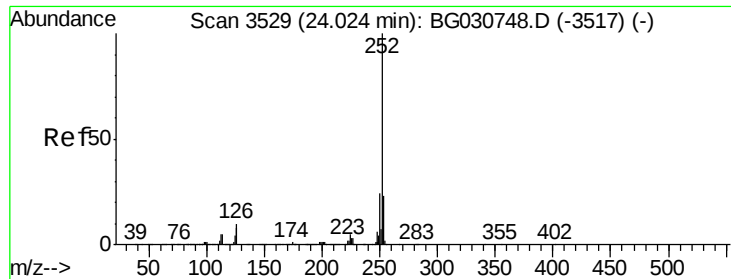


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 15.10 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. 0.02 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

B0EF5

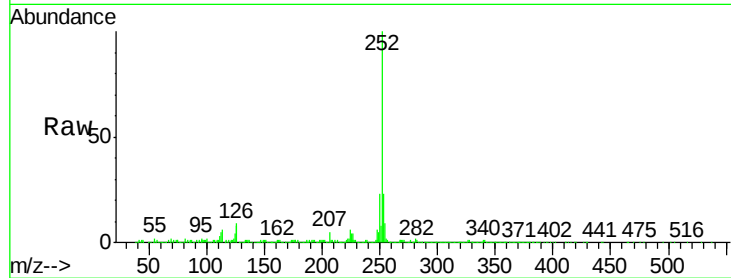
Tgt Ion:252 Resp: 542524

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

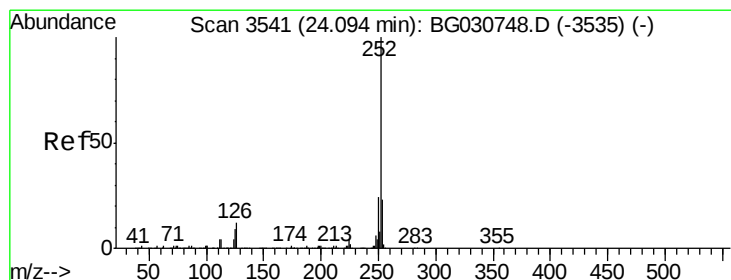
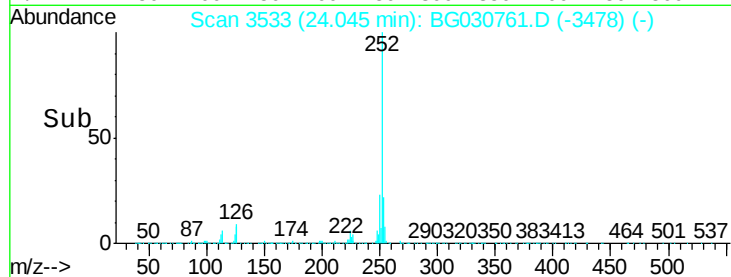
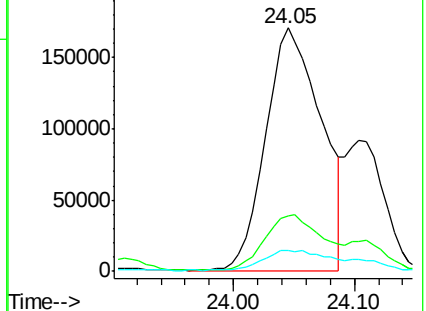
125 8.3 7.5 11.3



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: 5.08 ng/ul

RT: 24.10 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

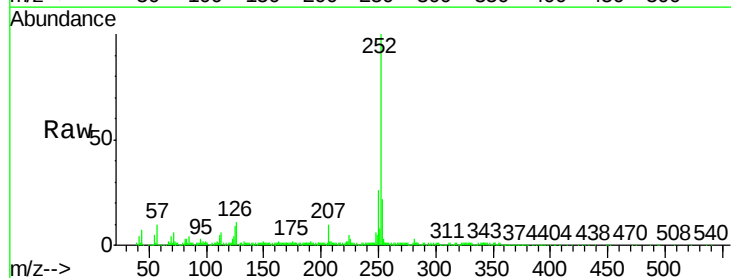
Tgt Ion:252 Resp: 176524

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

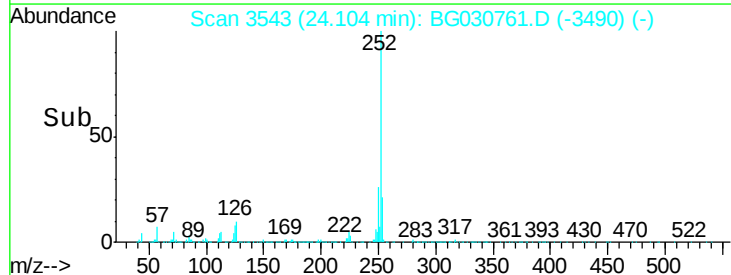
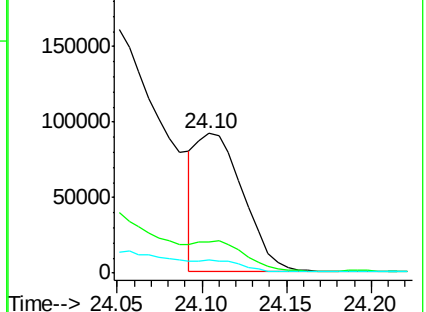
125 9.2 7.8 11.8

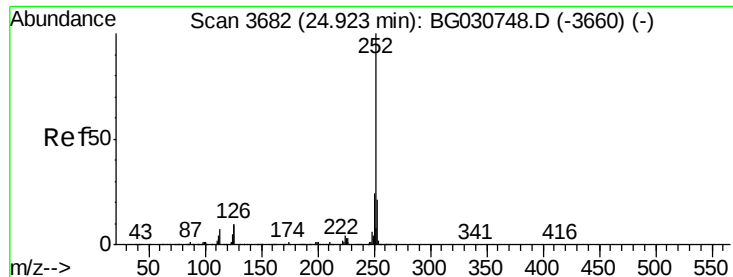


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.38 ng/ul

RT: 24.94 min Scan# 3686

Delta R.T. 0.02 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

B0EF5

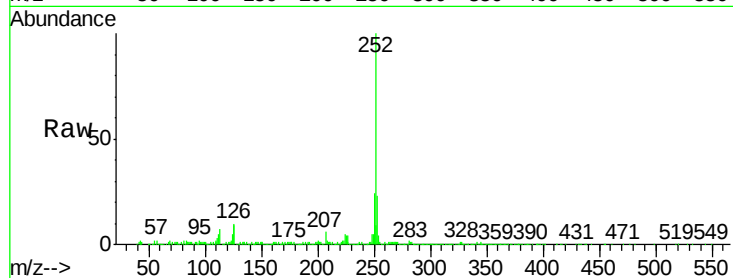
Tgt Ion:252 Resp: 397810

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

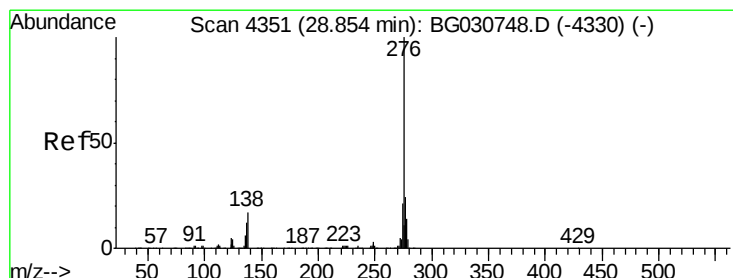
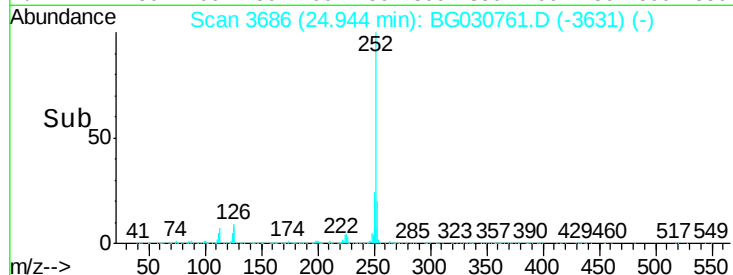
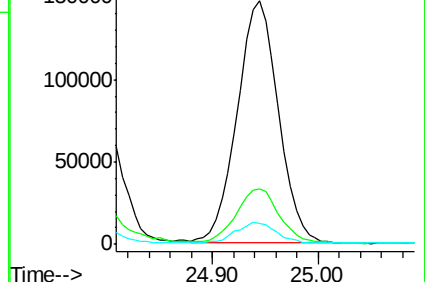
125 8.8 7.8 11.8



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: 6.76 ng/ul

RT: 28.89 min Scan# 4357

Delta R.T. 0.03 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

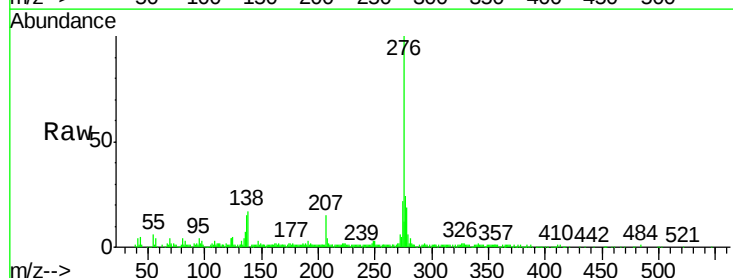
Tgt Ion:276 Resp: 267331

Ion Ratio Lower Upper

276 100

138 16.7 13.4 20.0

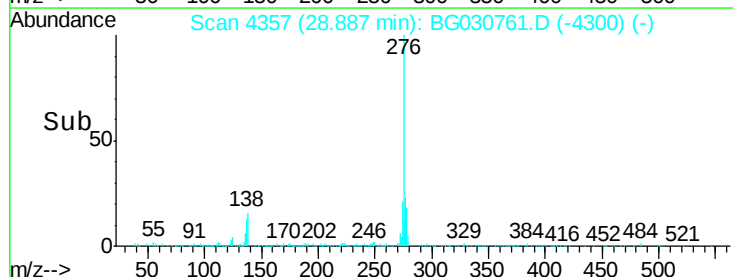
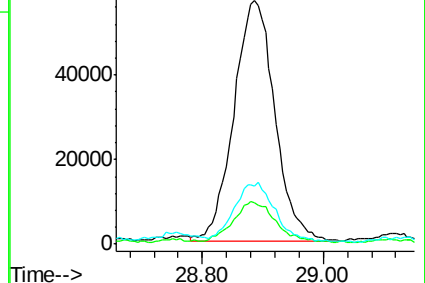
277 23.7 18.6 28.0

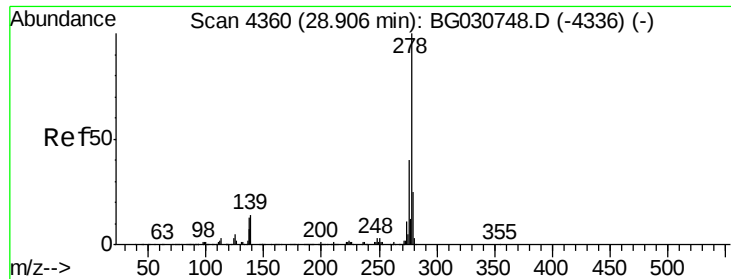


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.57 ng/ul

RT: 28.92 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

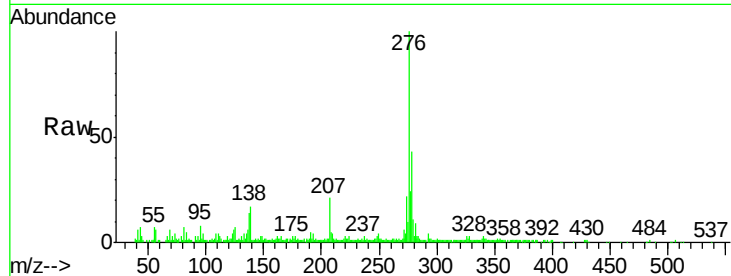
Instrument :

BNA_G

ClientSampleId :

B0EF5

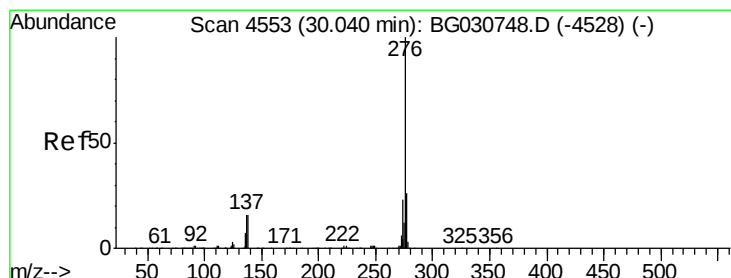
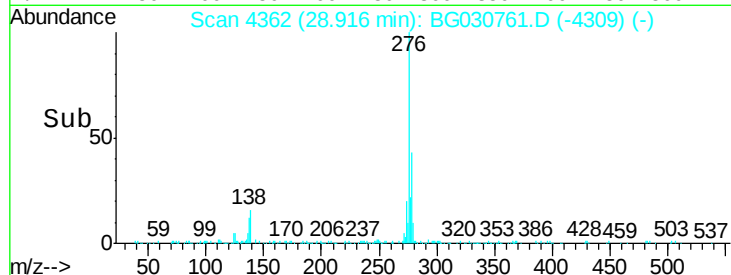
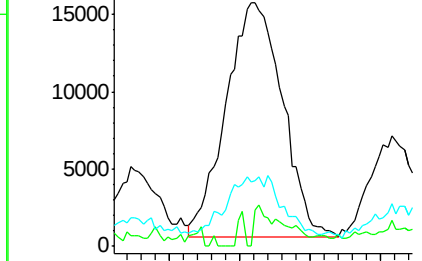
Tgt Ion:	278	Resp:	84602
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.4	14.2#
279	26.4	18.4	27.6



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: 6.90 ng/ul

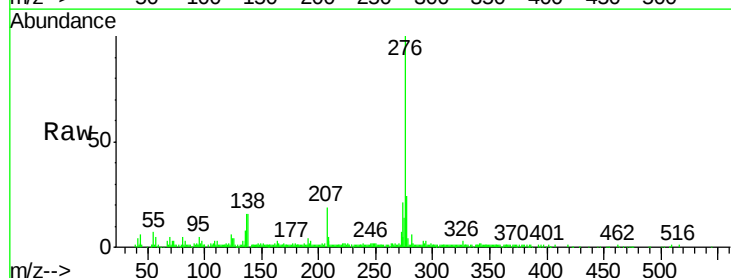
RT: 30.08 min Scan# 4560

Delta R.T. 0.04 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Tgt Ion:	276	Resp:	226359
Ion Ratio	Lower	Upper	
276	100		
138	15.6	12.1	18.1
277	23.9	17.7	26.5



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

