

Data File : BG030757.D
Acq On : 6 Nov 2017 2:52
Operator : SJ/JU
Sample : I6107-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0EC4

Quant Time: Nov 06 05:38:34 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	71133	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	328911	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	224368	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	528274	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	535304	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	562272	20.00	ng/ul	0.03

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	4377	2.50	ng/uL	0.01
5) Phenol-d5	7.32	99	83892	12.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	55694	13.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	71817	14.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	72575	13.16	ng/ul	0.01
19) Nitrobenzene-d5	9.32	128	41411	17.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	51653	21.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	96583	17.52	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	80479	12.56	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	332020	17.31	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	414944	17.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	48336	13.65	ng/ul	0.01
57) Fluorene-d10	15.76	176	319617	20.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	7494	2.91	ng/ul	0.00
70) Anthracene-d10	17.61	188	478864	19.17	ng/ul	0.00
76) Pyrene-d10	19.89	212	652174	23.54	ng/ul	0.01
87) Benzo(a)pyrene-d12	24.88	264	719662	27.02	ng/ul	0.02

Target Compounds				Qvalue		
6) Phenol	7.34	94	9870	1.40	ng/ul#	88
44) Dimethylphthalate	14.21	163	159093	8.50	ng/ul	99
69) Phenanthrene	17.56	178	86821	3.04	ng/ul	96
74) Fluoranthene	19.55	202	183214	5.74	ng/ul	99
77) Pyrene	19.92	202	221872	6.18	ng/ul	98
80) Benzo(a)anthracene	21.77	228	105685	3.15	ng/ul#	93
82) Chrysene	21.83	228	133302	4.37	ng/ul#	87
85) Benzo(b)fluoranthene	24.04	252	139126	4.12	ng/ul#	90
86) Benzo(k)fluoranthene	24.11	252	42697	1.31	ng/ul#	87
88) Benzo(a)pyrene	24.94	252	106255	3.23	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.88	276	74776	2.01	ng/ul#	90
91) Benzo(g,h,i)perylene	30.08	276	69537	2.26	ng/ul#	88

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

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Instrument :

BNA_G

ClientSampled :

B0EC4

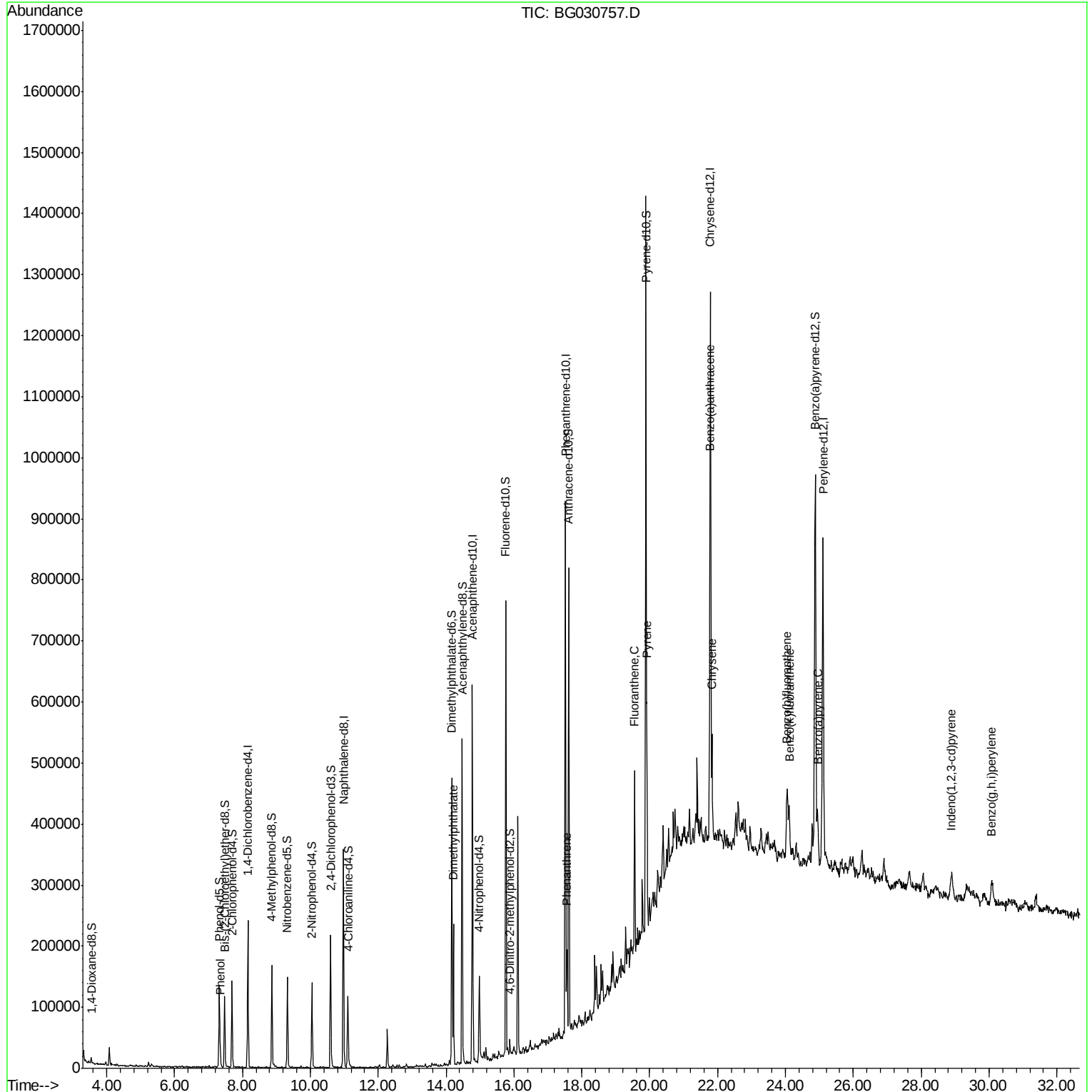
Quant Time: Nov 06 05:38:34 2017

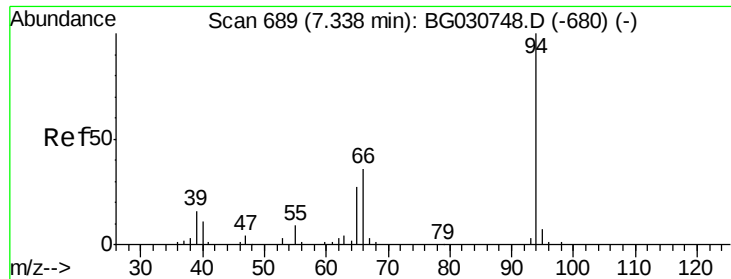
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 1.40 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

Instrument :

BNA_G

ClientSampleId :

B0EC4

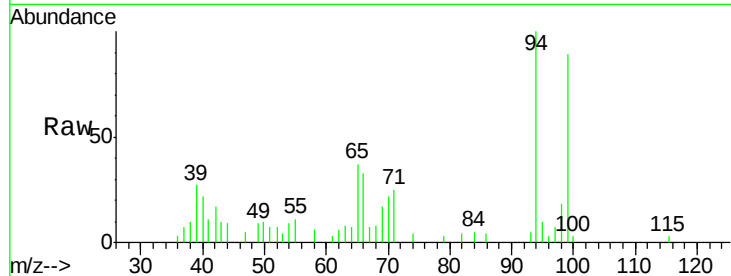
Tgt Ion: 94 Resp: 9870

Ion Ratio Lower Upper

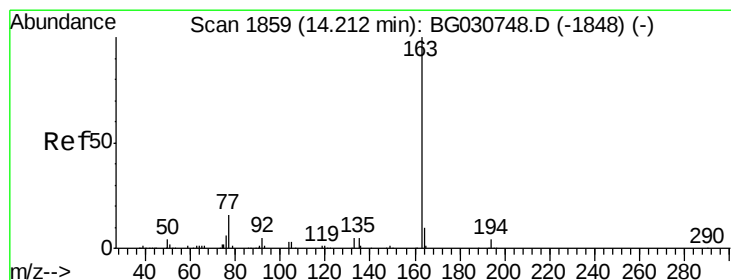
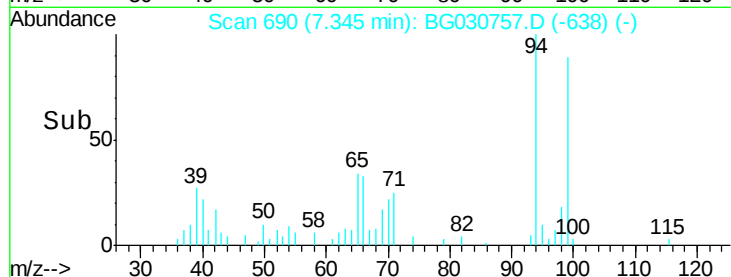
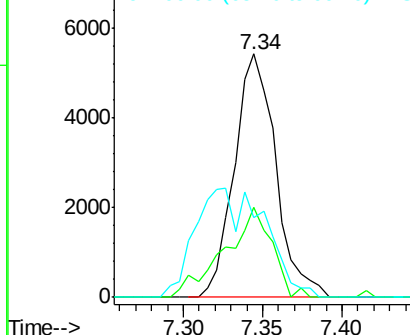
94 100

65 37.1 27.1 40.7

66 33.0 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: 8.50 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

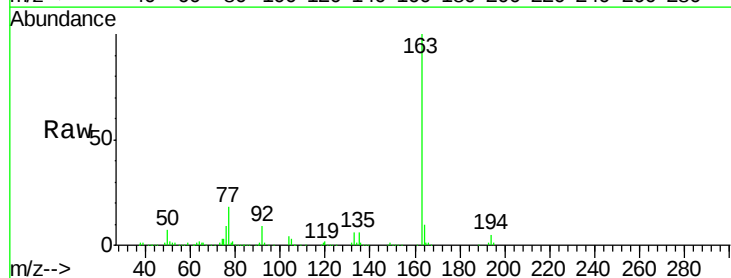
Tgt Ion:163 Resp: 159093

Ion Ratio Lower Upper

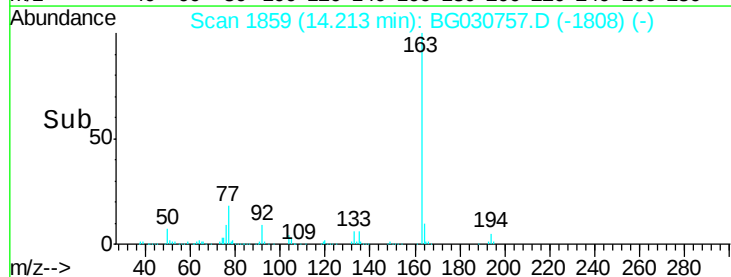
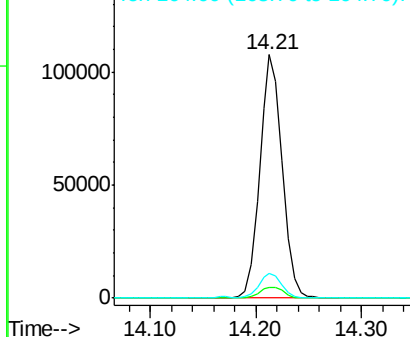
163 100

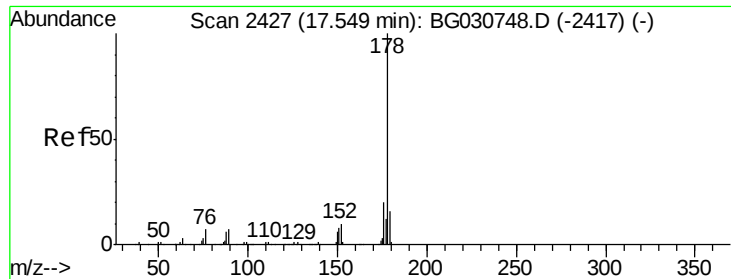
194 4.6 3.5 5.3

164 10.0 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





#69

Phenanthrene

Concen: 3.04 ng/ul

RT: 17.56 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

Instrument :

BNA_G

ClientSampleId :

B0EC4

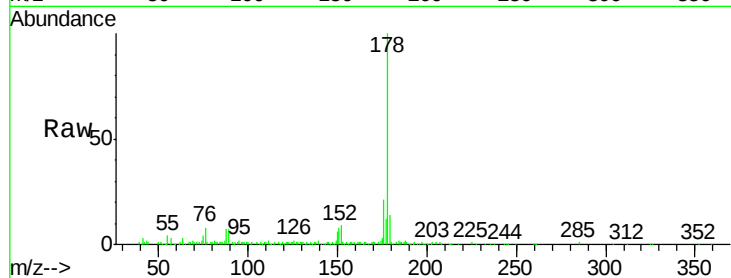
Tgt Ion:178 Resp: 86821

Ion Ratio Lower Upper

178 100

179 14.5 13.0 19.6

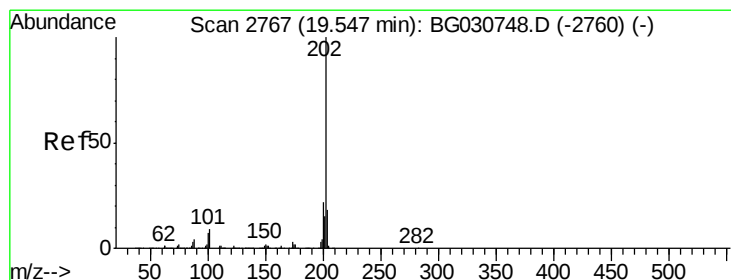
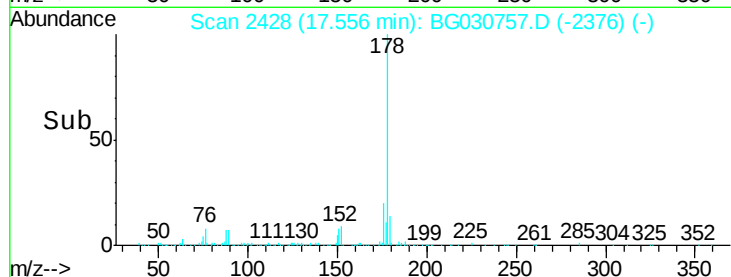
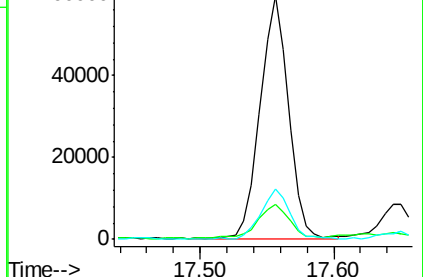
176 20.7 15.3 22.9



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



#74

Fluoranthene

Concen: 5.74 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

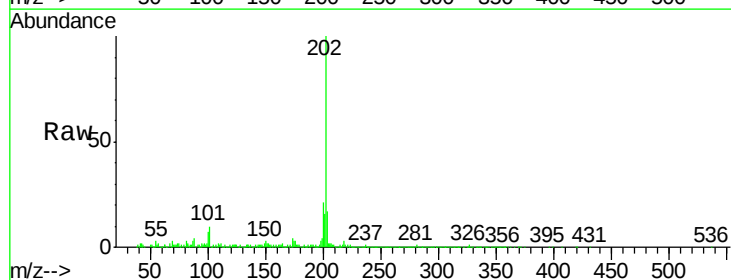
Tgt Ion:202 Resp: 183214

Ion Ratio Lower Upper

202 100

101 9.9 7.4 11.2

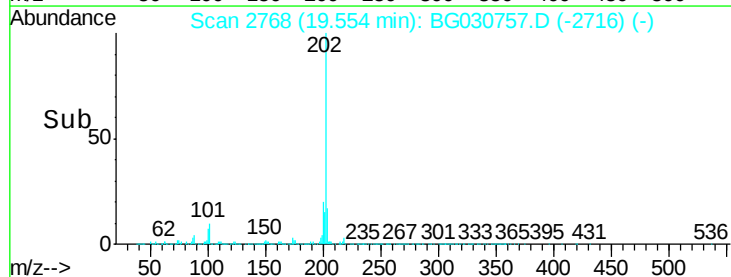
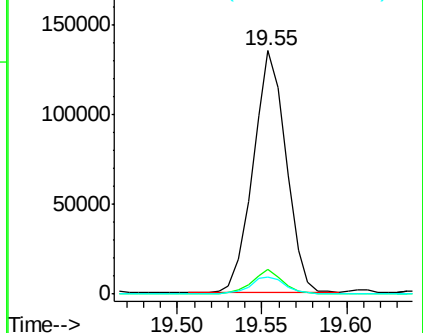
100 7.2 5.6 8.4

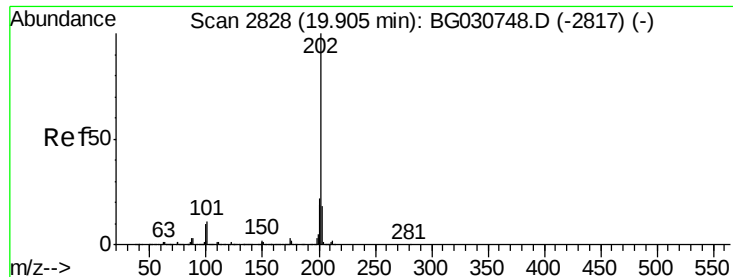


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 6.18 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

Instrument :

BNA_G

ClientSampleId :

B0EC4

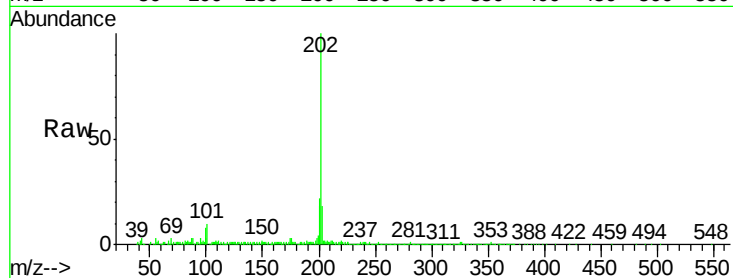
Tgt Ion:202 Resp: 221872

Ion Ratio Lower Upper

202 100

101 10.0 8.4 12.6

100 7.7 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): E

19.92

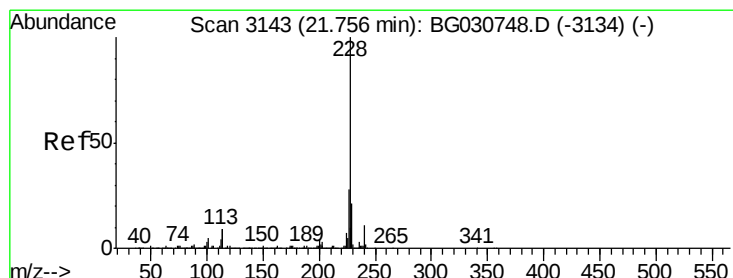
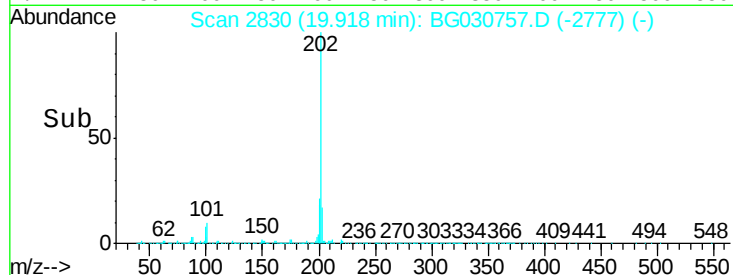
150000

100000

50000

0

Time--> 19.80 19.90 20.00



#80

Benzo(a)anthracene

Concen: 3.15 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

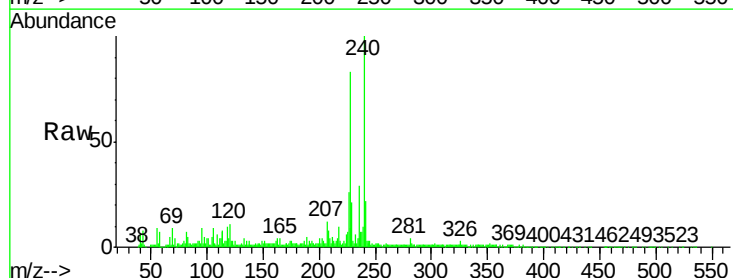
Tgt Ion:228 Resp: 105685

Ion Ratio Lower Upper

228 100

229 24.7 16.2 24.4#

226 30.8 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

21.77

80000

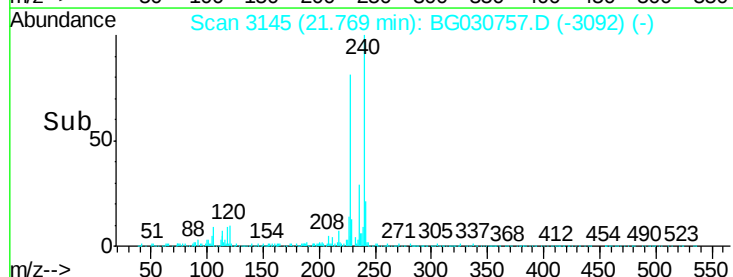
60000

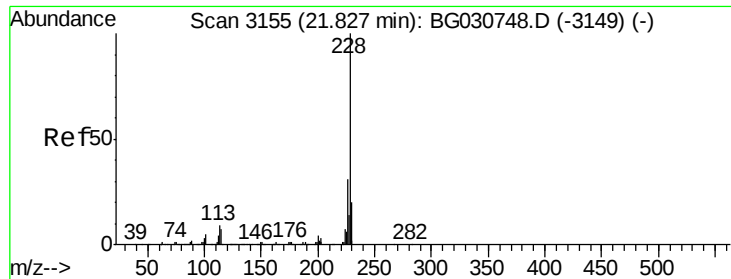
40000

20000

0

Time--> 21.70 21.75 21.80





#82

Chrysene

Concen: 4.37 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

Instrument :

BNA_G

ClientSampleId :

B0EC4

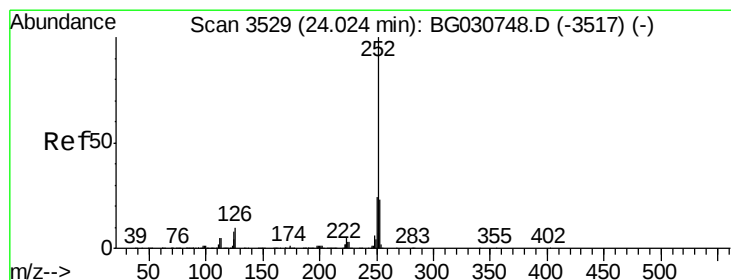
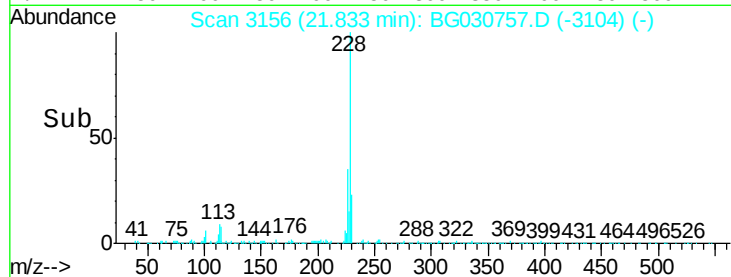
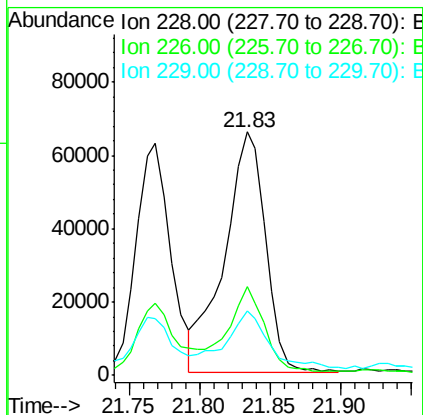
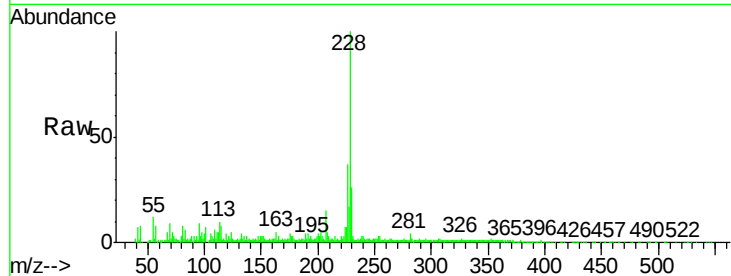
Tgt Ion:228 Resp: 133302

Ion Ratio Lower Upper

228 100

226 36.6 24.2 36.2#

229 26.3 15.2 22.8#



#85

Benzo(b)fluoranthene

Concen: 4.12 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. 0.02 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

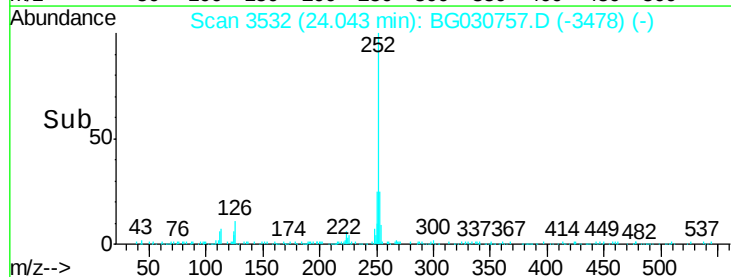
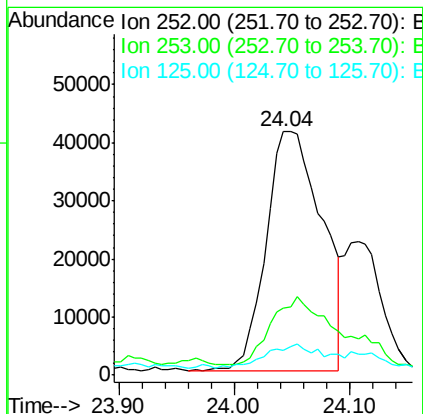
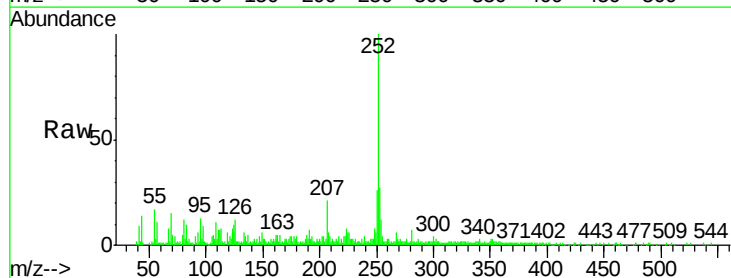
Tgt Ion:252 Resp: 139126

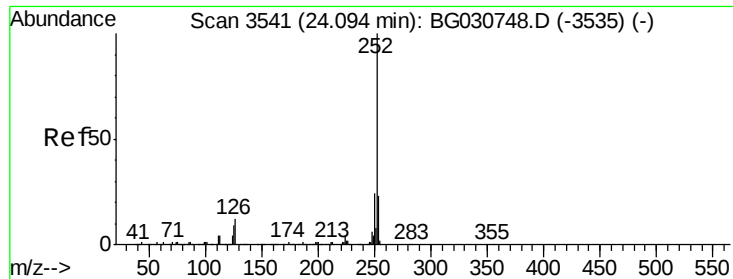
Ion Ratio Lower Upper

252 100

253 27.3 17.0 25.4#

125 10.1 7.5 11.3





#86

Benzo(k)fluoranthene

Concen: 1.31 ng/ul

RT: 24.11 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

Instrument :

BNA_G

ClientSampled :

B0EC4

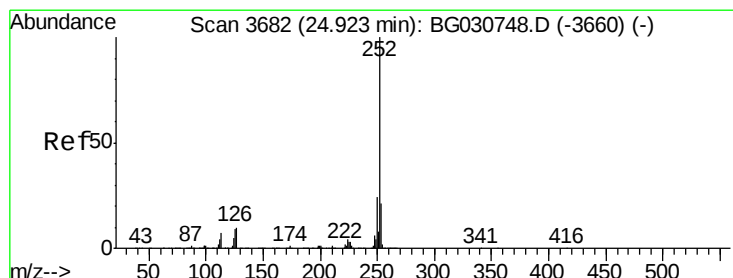
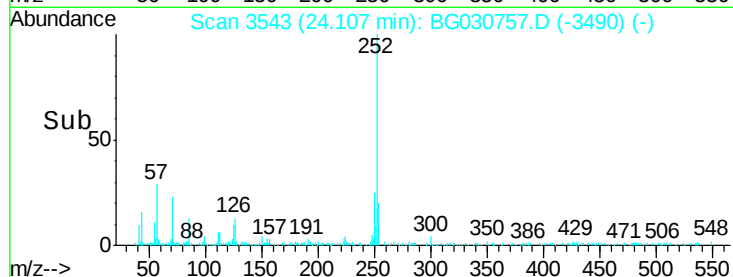
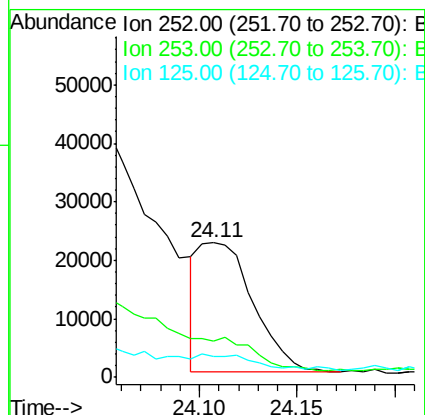
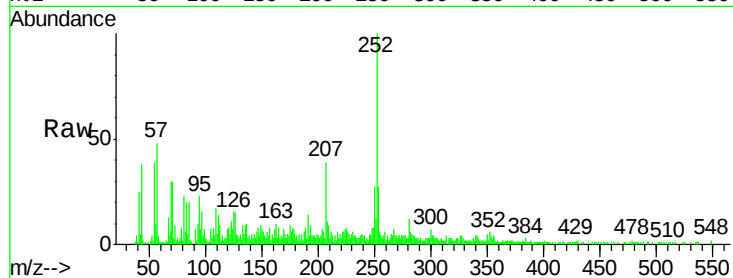
Tgt Ion:252 Resp: 42697

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

125 15.8 7.8 11.8#



#88

Benzo(a)pyrene

Concen: 3.23 ng/ul

RT: 24.94 min Scan# 3685

Delta R.T. 0.02 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

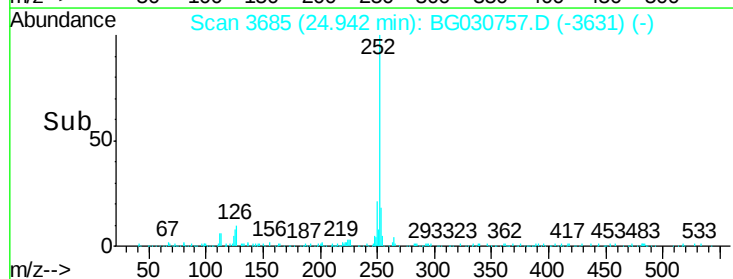
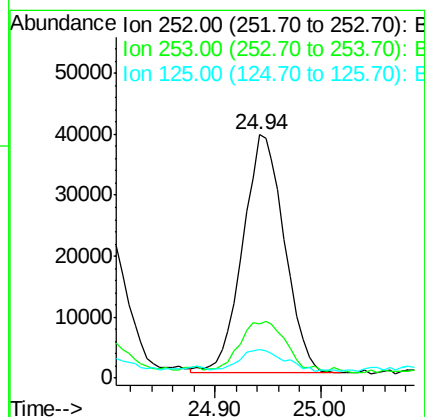
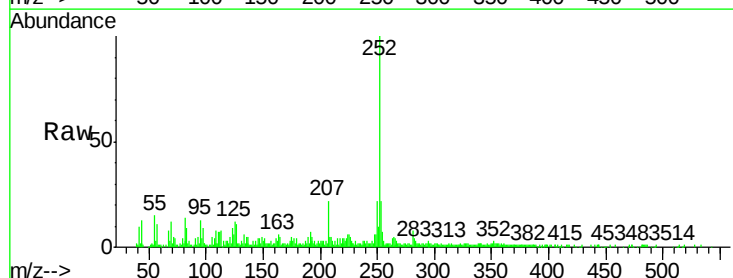
Tgt Ion:252 Resp: 106255

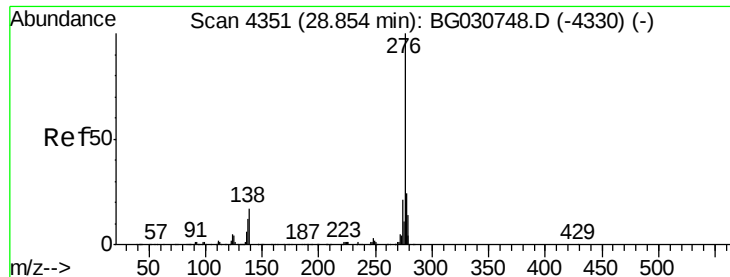
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 11.7 7.8 11.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.01 ng/ul

RT: 28.88 min Scan# 4356

Delta R.T. 0.03 min

Lab File: BG030757.D

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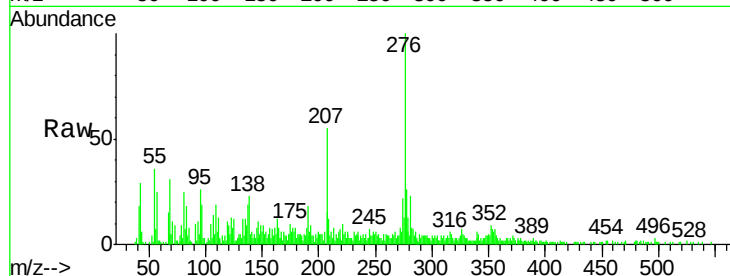
Tgt Ion:276 Resp: 74776

Ion Ratio Lower Upper

276 100

138 23.3 13.4 20.0#

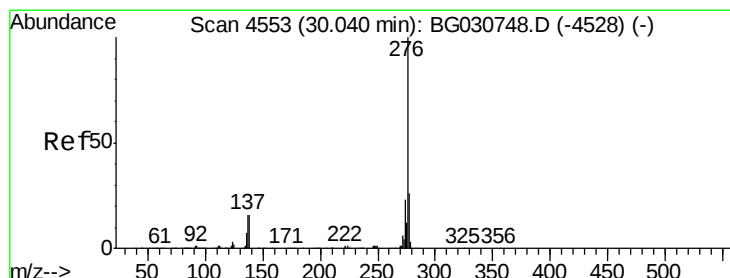
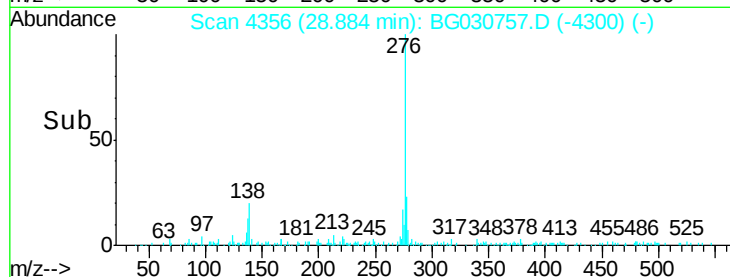
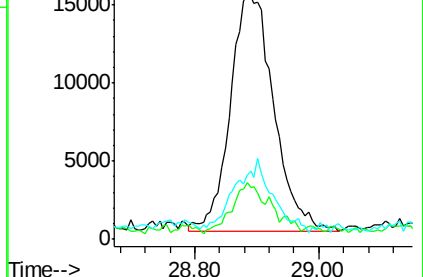
277 26.2 18.6 28.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.26 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. 0.04 min

Lab File: BG030757.D

Acq: 6 Nov 2017 2:52

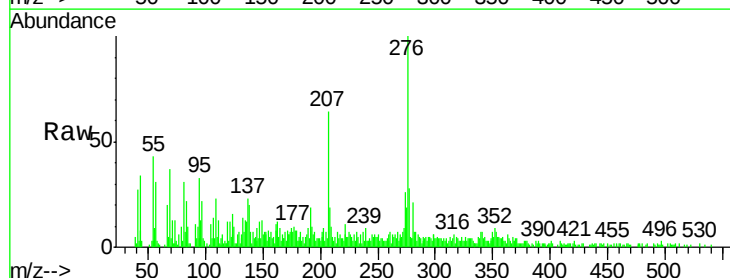
Tgt Ion:276 Resp: 69537

Ion Ratio Lower Upper

276 100

138 19.9 12.1 18.1#

277 28.1 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

