

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110617\
 Data File : BG030800.D
 Acq On : 7 Nov 2017 6:48
 Operator : SJ/JU
 Sample : I6188-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 08:08:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 08:04:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	87445	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	399215	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	260706	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	630410	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	655128	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	679907	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	7795	3.62	ng/uL	0.00
5) Phenol-d5	7.31	99	164936	19.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	102085	19.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	142249	24.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	124814	18.41	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	73153	25.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	85511	29.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	155686	23.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	168324	21.65	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	525369	23.57	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	656530	24.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	76958	18.70	ng/ul	0.00
57) Fluorene-d10	15.76	176	500890	27.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	30863	10.03	ng/ul	0.00
70) Anthracene-d10	17.61	188	769989	25.83	ng/ul	0.00
76) Pyrene-d10	19.89	212	866209	25.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	866664	26.91	ng/ul	0.00

Target Compounds

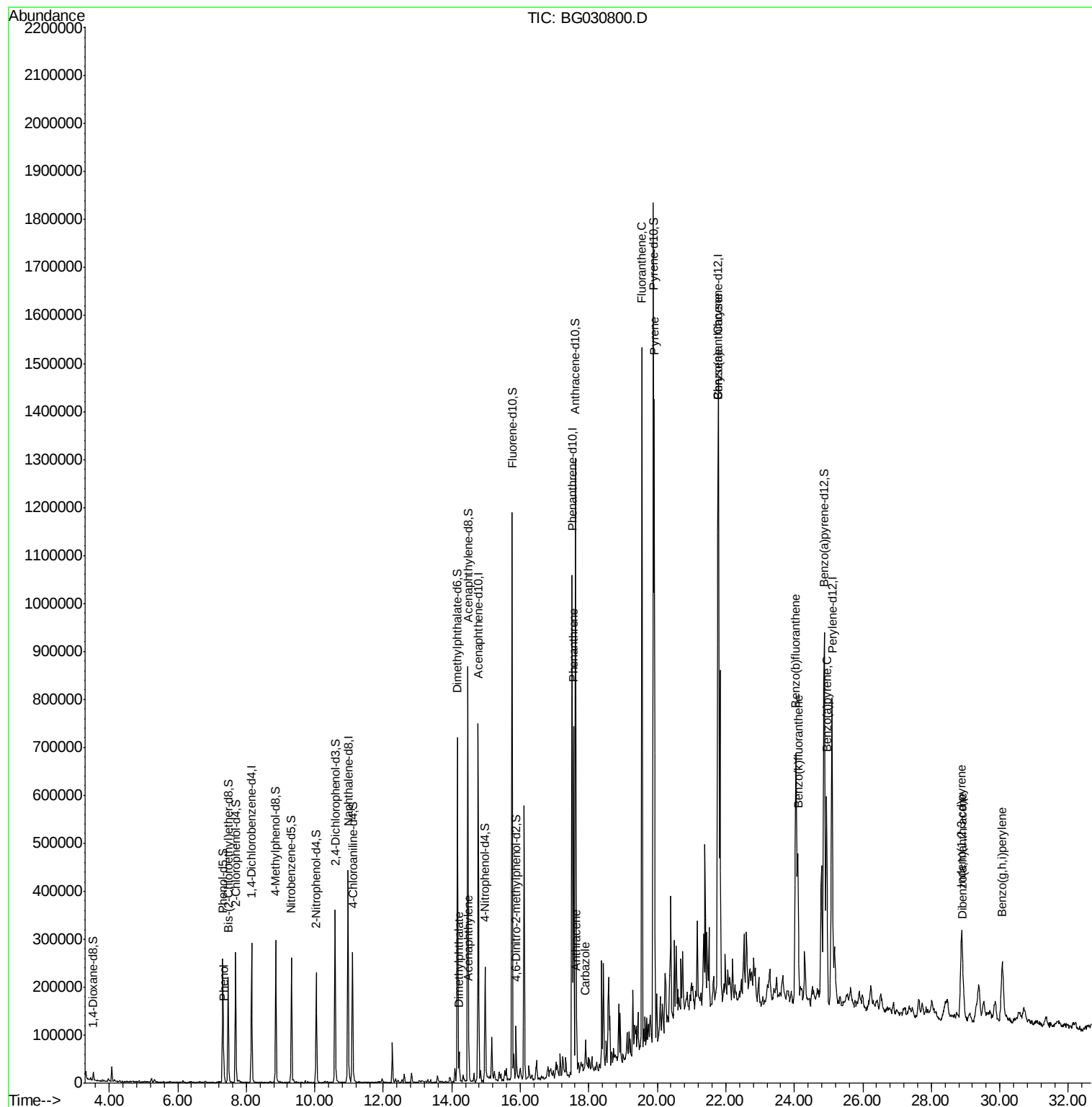
						Ovalue
6) Phenol	7.34	94	19306	2.22	ng/ul#	89
44) Dimethylphthalate	14.22	163	40888	1.88	ng/ul	98
47) Acenaphthylene	14.50	152	52131	1.89	ng/ul	98
69) Phenanthrene	17.55	178	460064	13.50	ng/ul	98
71) Anthracene	17.65	178	77847	2.21	ng/ul	100
72) Carbazole	17.91	167	37911	1.20	ng/ul	96
74) Fluoranthene	19.55	202	953033	25.02	ng/ul	98
77) Pyrene	19.91	202	833815	18.99	ng/ul	98
80) Benzo(a)anthracene	21.77	228	523670	12.75	ng/ul	98
82) Chrysene	21.77	228	524753	14.07	ng/ul	96
85) Benzo(b)fluoranthene	24.04	252	671290	16.45	ng/ul	98
86) Benzo(k)fluoranthene	24.10	252	212763	5.39	ng/ul	95
88) Benzo(a)pyrene	24.94	252	465456	11.72	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	28.88	276	336910	7.50	ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	91645	2.45	ng/ul	98
91) Benzo(g,h,i)perylene	30.07	276	272000	7.30	ng/ul	94

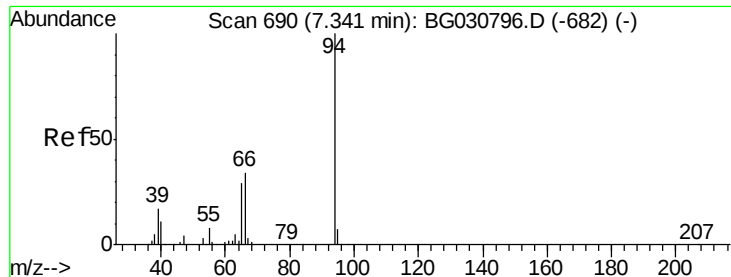
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 07 08:04:16 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.22 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

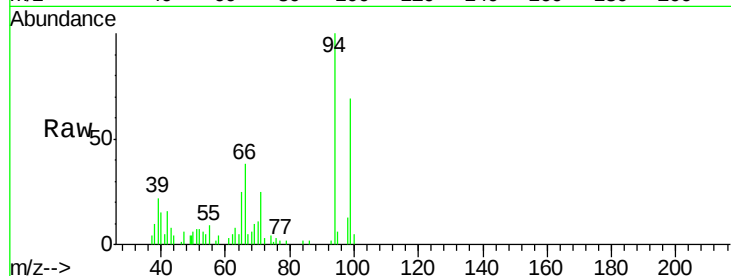
Tot Ion: 94 Resp: 19306

Ion Ratio Lower Upper

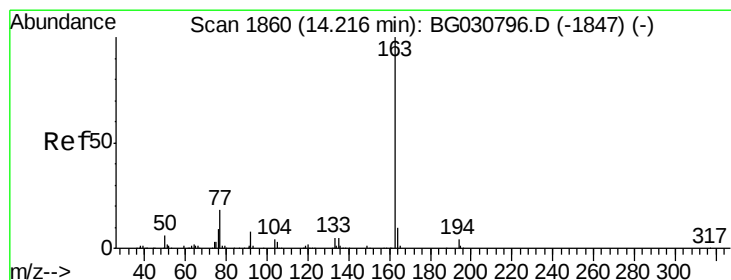
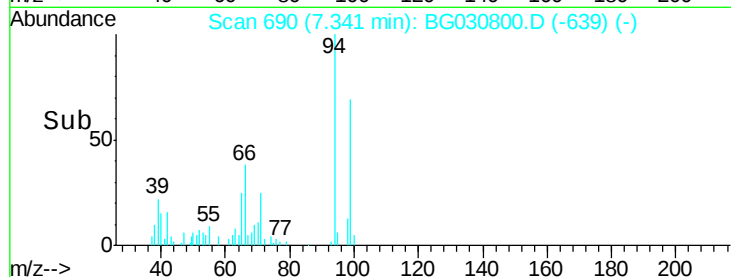
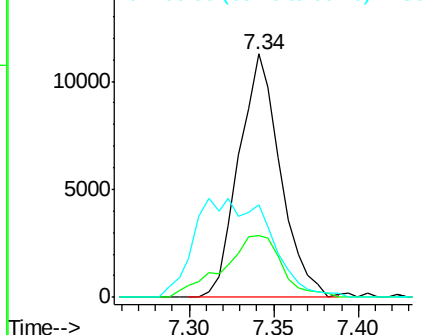
94 100

65 25.5 27.1 40.7#

66 37.9 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: 1.88 ng/ul

RT: 14.22 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

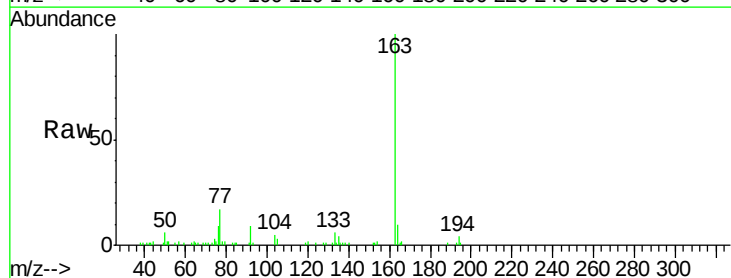
Tgt Ion:163 Resp: 40888

Ion Ratio Lower Upper

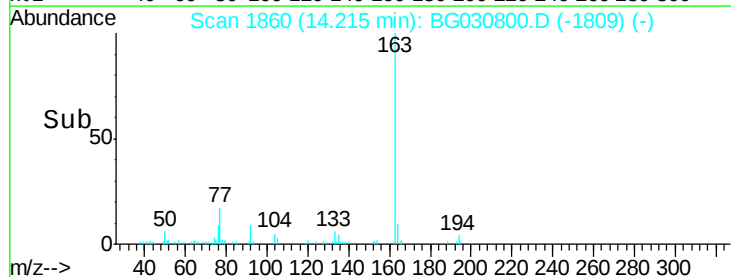
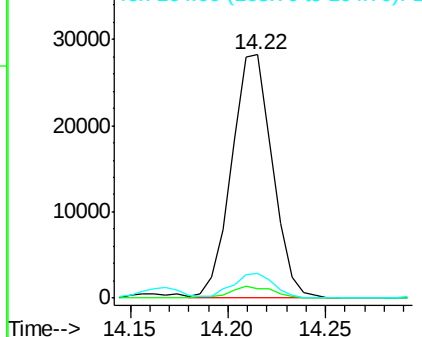
163 100

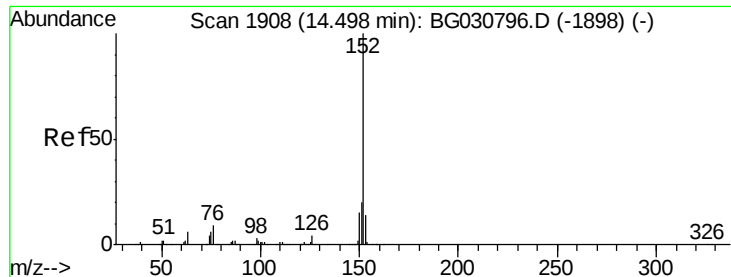
194 3.6 3.5 5.3

164 10.4 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: 1.89 ng/ul

RT: 14.50 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

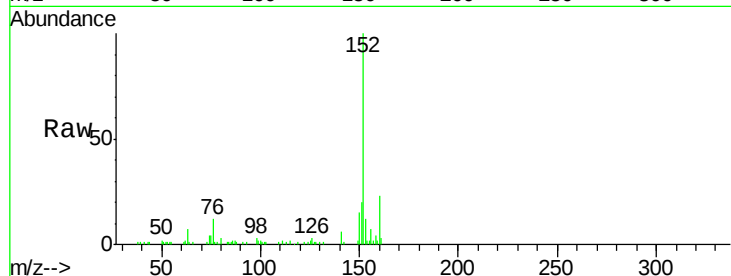
Tot Ion:152 Resp: 52131

Ion Ratio Lower Upper

152 100

151 20.1 15.2 22.8

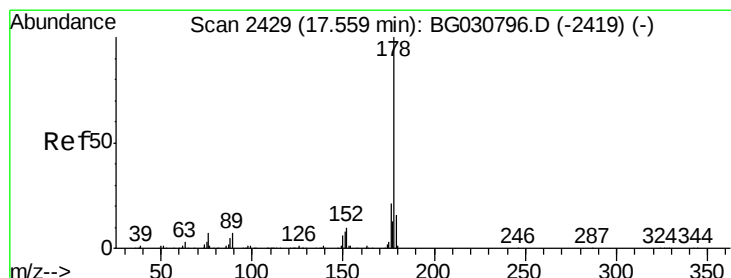
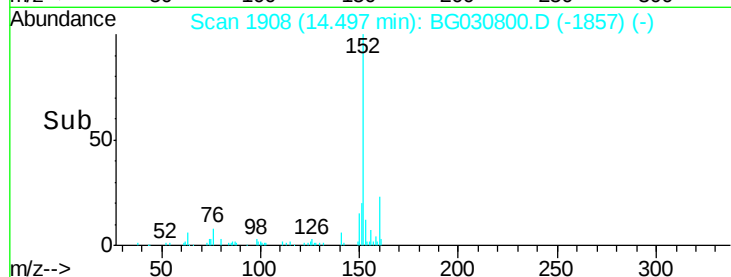
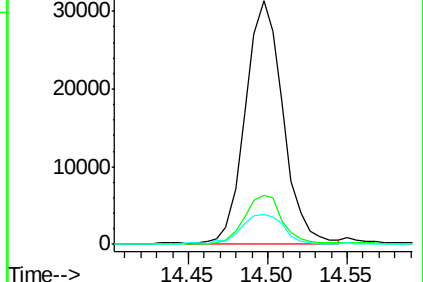
153 12.5 10.2 15.4



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



#69

Phenanthrene

Concen: 13.50 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. -0.01 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

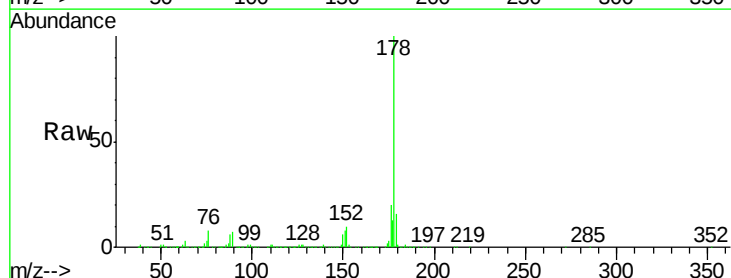
Tgt Ion:178 Resp: 460064

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

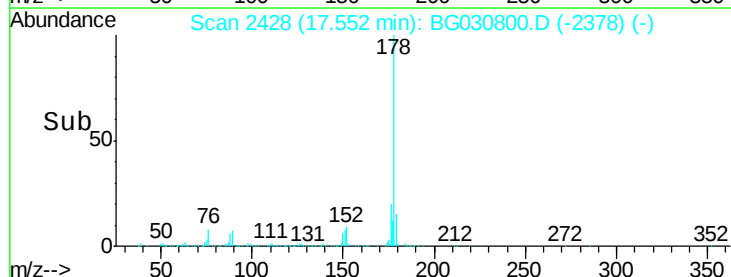
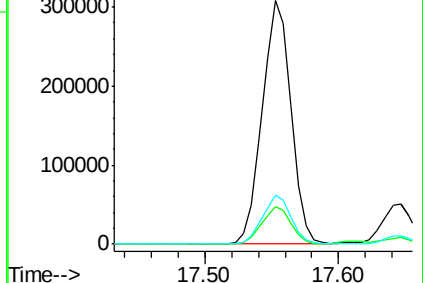
176 20.2 15.3 22.9

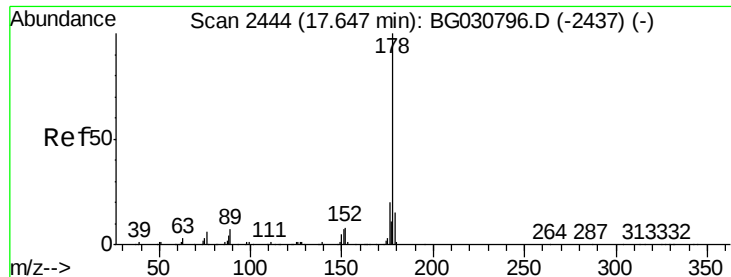


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

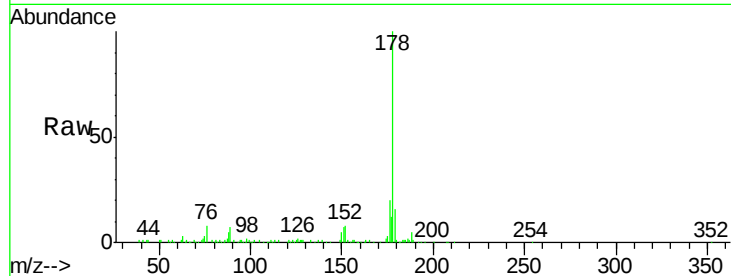




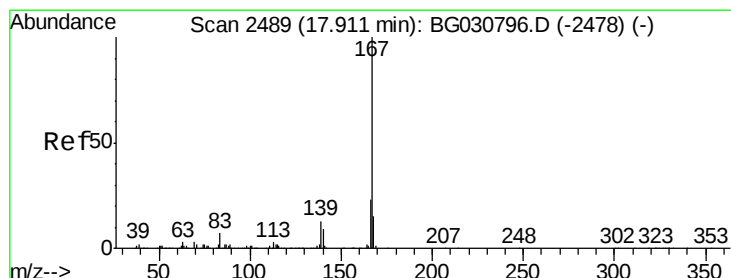
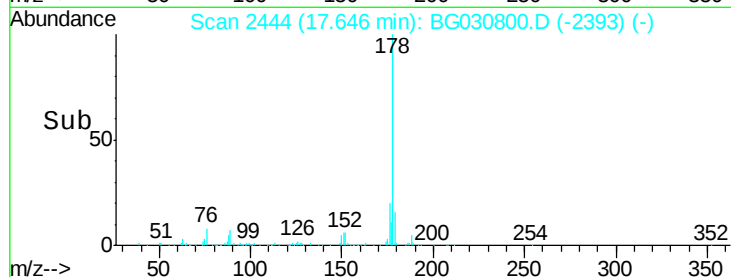
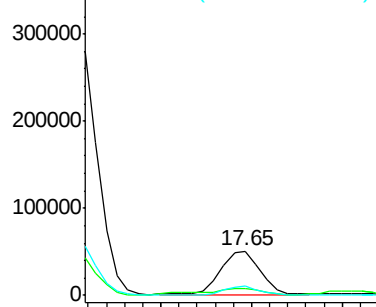
#71
 Anthracene
 Concen: 2.21 ng/ul
 RT: 17.65 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG030800.D
 Acq: 7 Nov 2017 6:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	178	Resp	77847
Ion Ratio	100	Lower	Upper
179	16.4	13.2	19.8
176	20.1	16.0	24.0

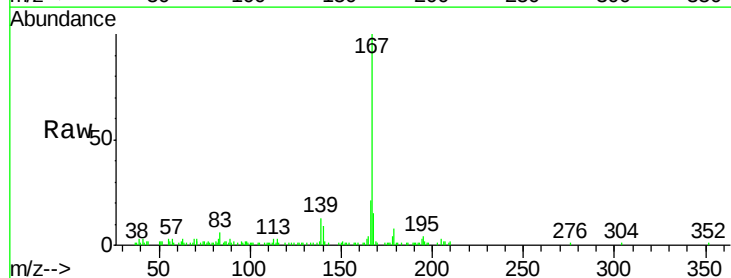


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

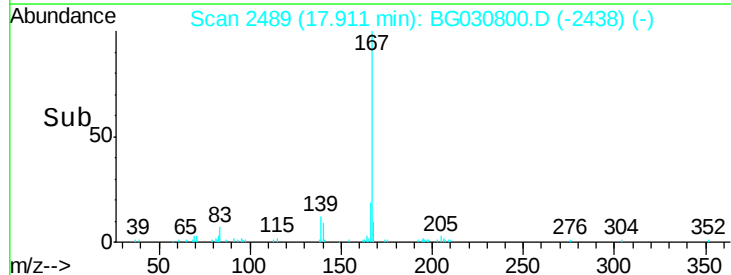
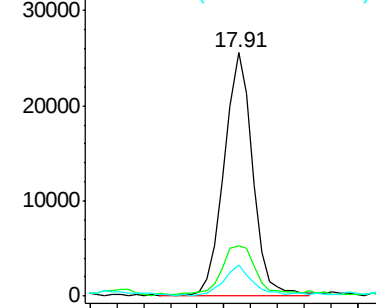


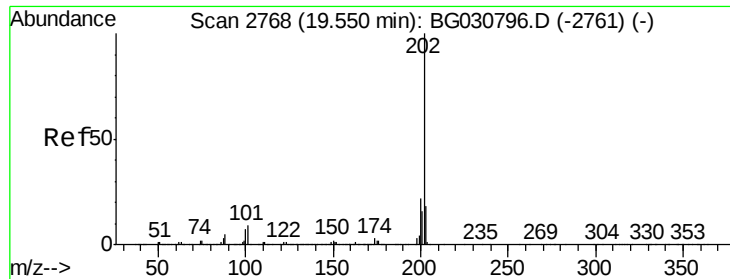
#72
 Carbazole
 Concen: 1.20 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. -0.00 min
 Lab File: BG030800.D
 Acq: 7 Nov 2017 6:48

Tgt Ion	167	Resp	37911
Ion Ratio	100	Lower	Upper
166	20.7	18.6	28.0
139	12.9	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: 25.02 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

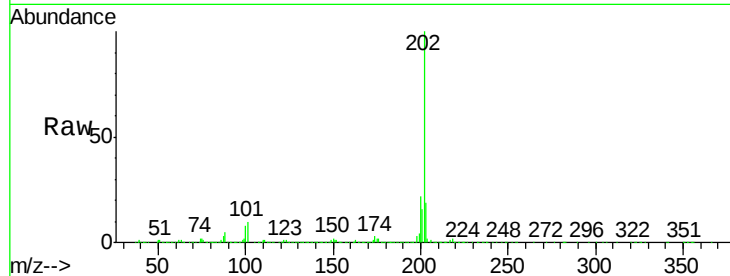
Tot Ion:202 Resp: 953033

Ion Ratio Lower Upper

202 100

101 10.0 7.4 11.2

100 7.6 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

800000

600000

400000

200000

0

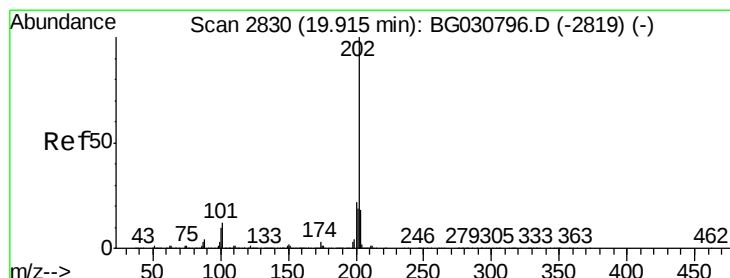
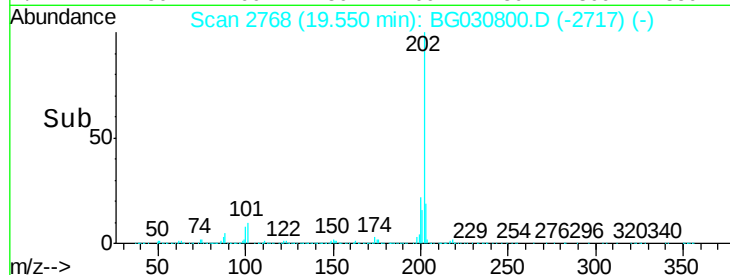
19.55

19.50

19.55

19.60

Time-->



#77

Pyrene

Concen: 18.99 ng/ul

RT: 19.91 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

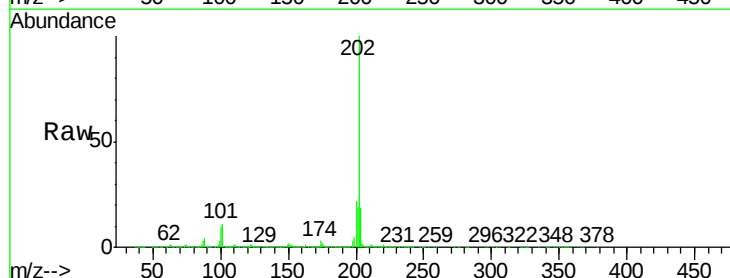
Tgt Ion:202 Resp: 833815

Ion Ratio Lower Upper

202 100

101 11.0 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

800000

600000

400000

200000

0

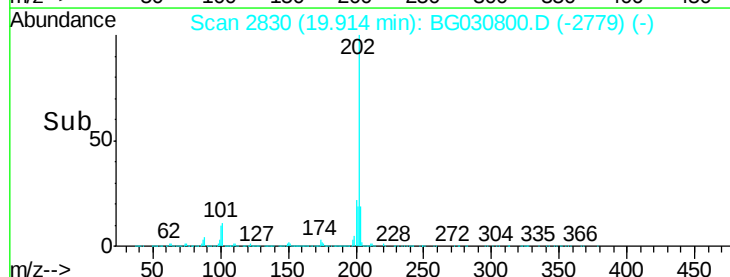
19.91

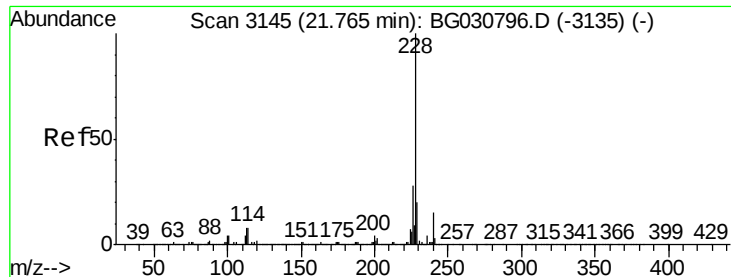
19.85

19.90

19.95

Time-->





#80

Benzo(a)anthracene

Concen: 12.75 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

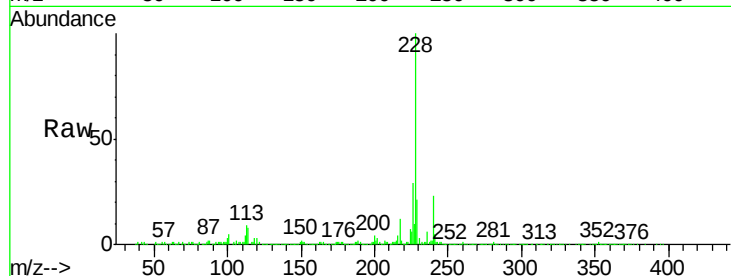
Tot Ion:228 Resp: 523670

Ion Ratio Lower Upper

228 100

229 21.2 16.2 24.4

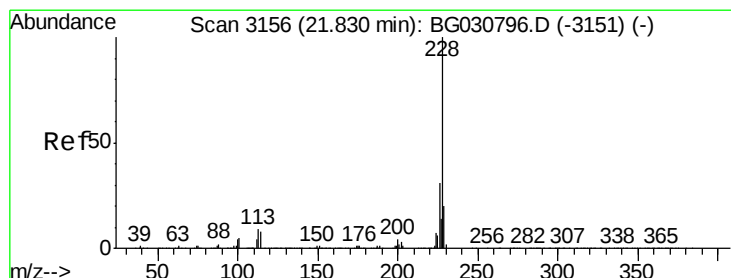
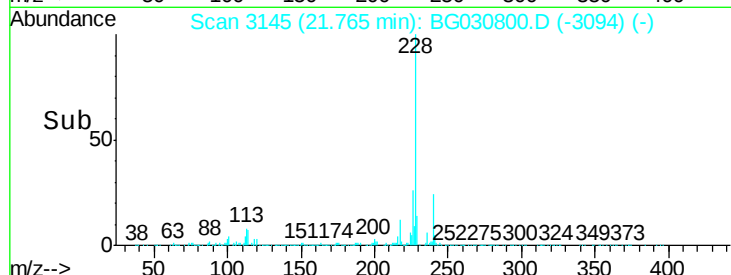
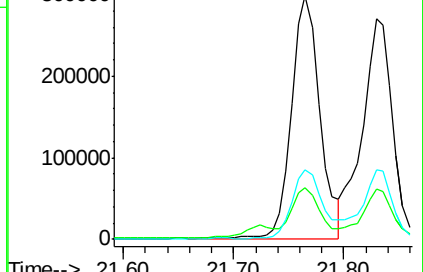
226 28.5 22.2 33.2



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: 14.07 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. -0.06 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

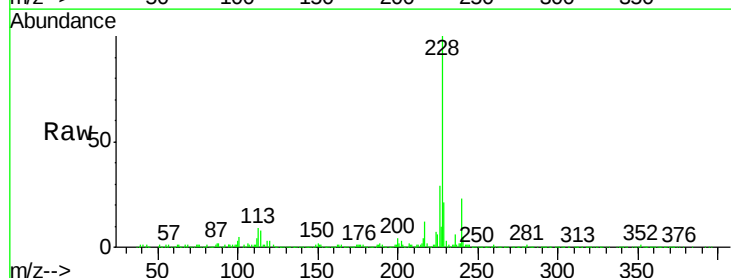
Tgt Ion:228 Resp: 524753

Ion Ratio Lower Upper

228 100

226 28.5 24.2 36.2

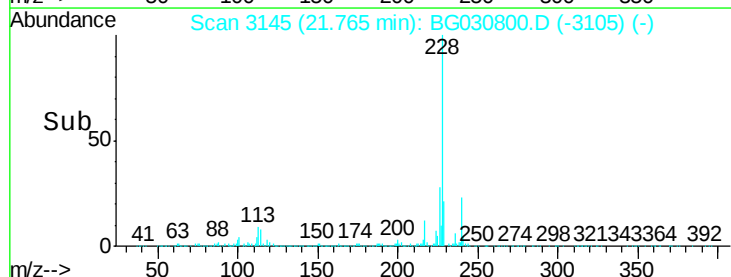
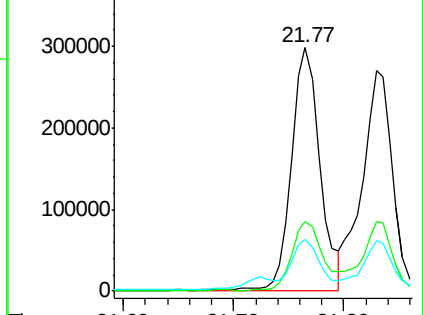
229 21.2 15.2 22.8

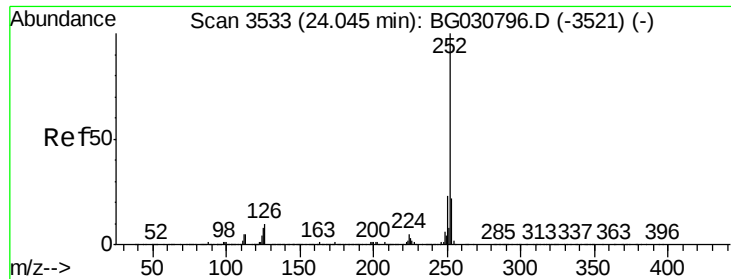


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 16.45 ng/ul

RT: 24.04 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

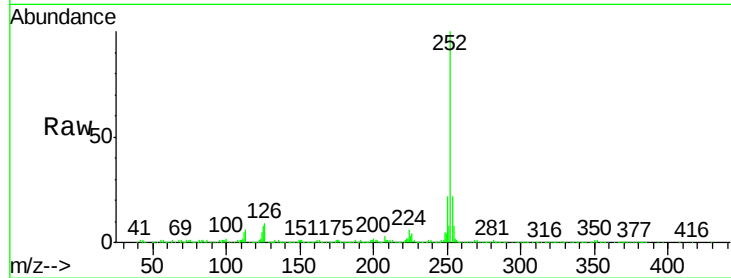
Tot Ion:252 Resp: 671290

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.4

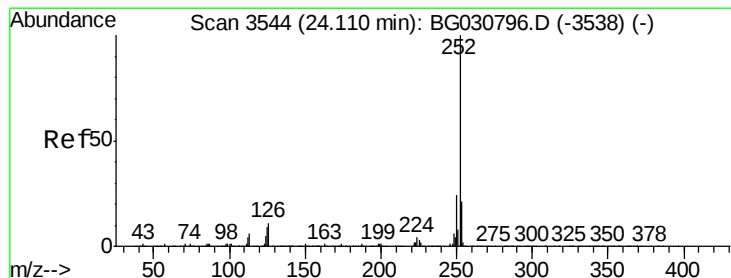
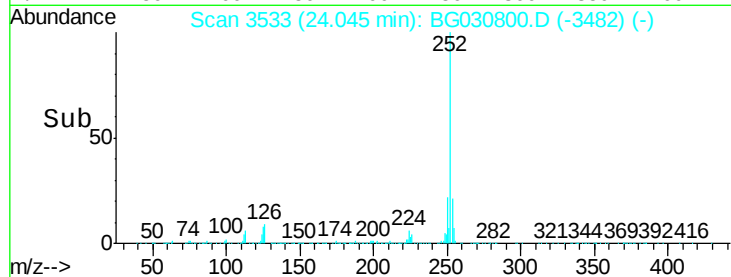
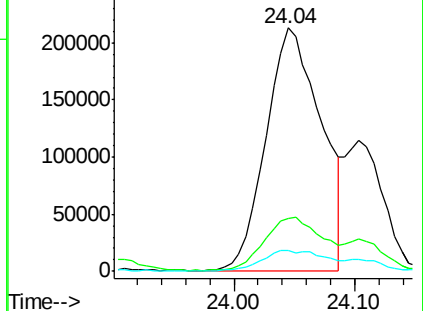
125 8.4 7.5 11.3



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: 5.39 ng/ul

RT: 24.10 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

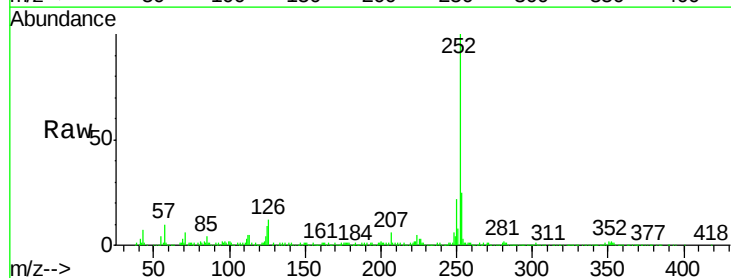
Tgt Ion:252 Resp: 212763

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

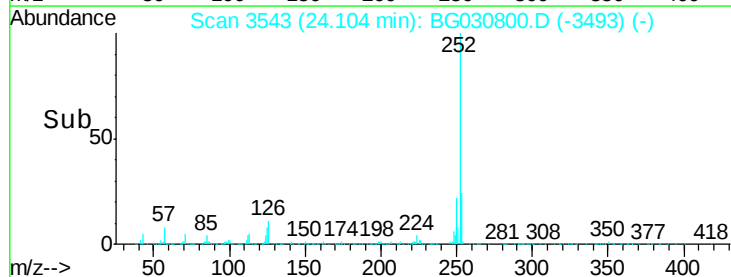
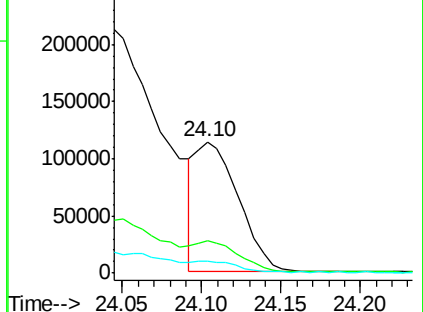
125 8.6 7.8 11.8

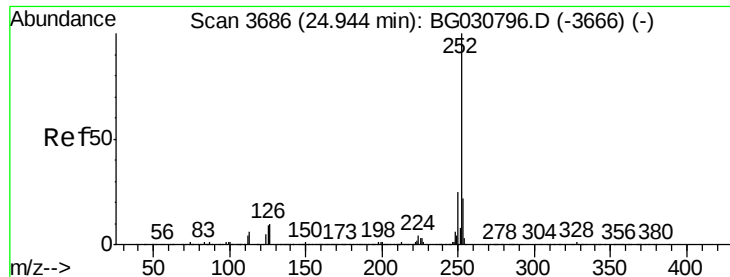


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.72 ng/ul

RT: 24.94 min Scan# 3686

Delta R.T. -0.00 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampled :

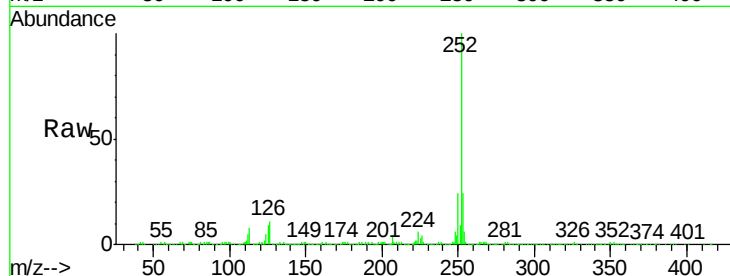
Tot Ion:252 Resp: 465456

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

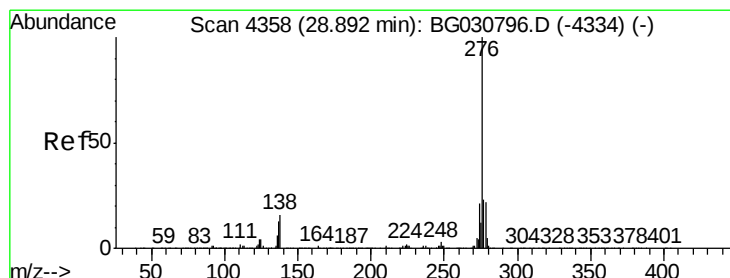
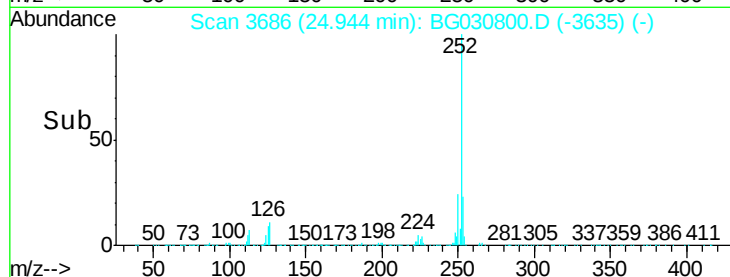
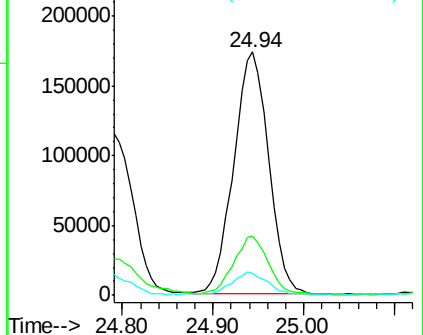
125 9.2 7.8 11.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.50 ng/ul

RT: 28.88 min Scan# 4356

Delta R.T. -0.01 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

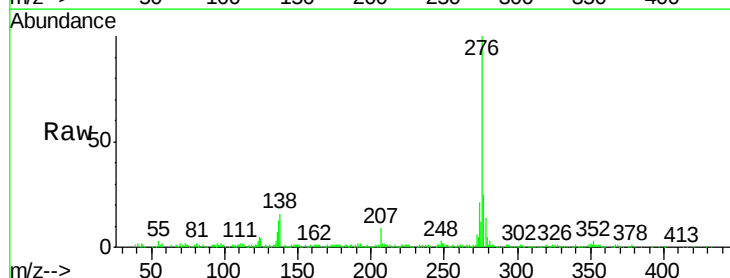
Tgt Ion:276 Resp: 336910

Ion Ratio Lower Upper

276 100

138 16.2 13.4 20.0

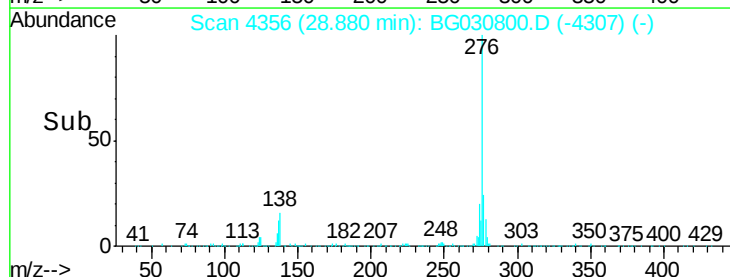
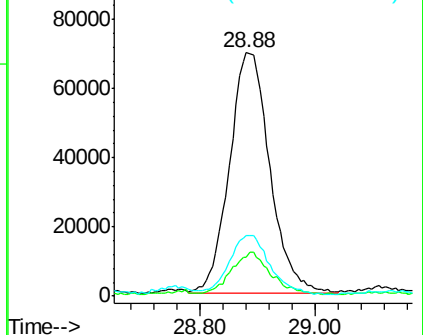
277 25.0 18.6 28.0

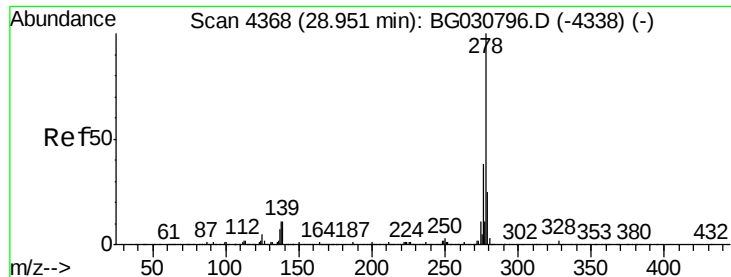


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.45 ng/ul

RT: 28.93 min Scan# 4364

Delta R.T. -0.02 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

Instrument :

BNA_G

ClientSampleId :

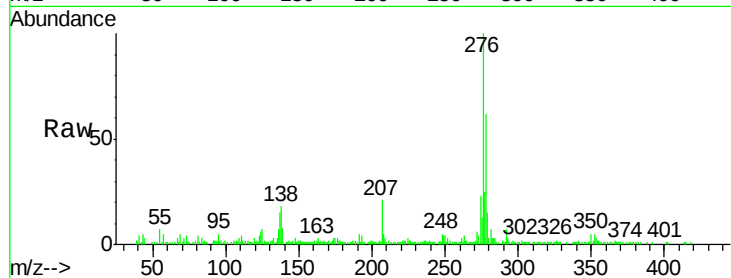
Tot Ion:278 Resp: 91645

Ion Ratio Lower Upper

278 100

139 12.9 9.4 14.2

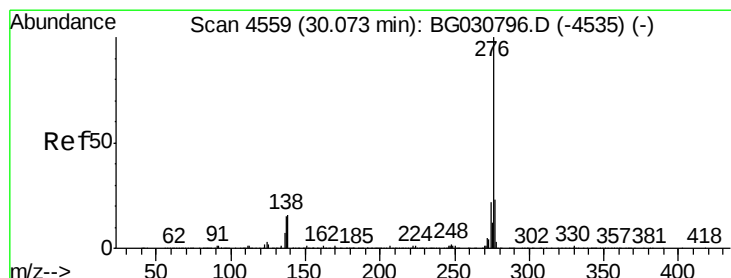
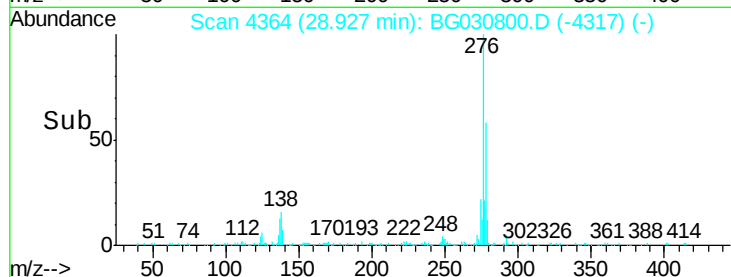
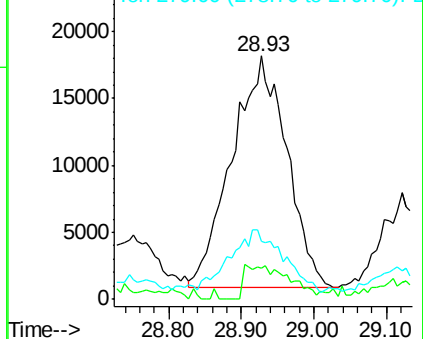
279 23.8 18.4 27.6



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: 7.30 ng/ul

RT: 30.07 min Scan# 4558

Delta R.T. -0.01 min

Lab File: BG030800.D

Acq: 7 Nov 2017 6:48

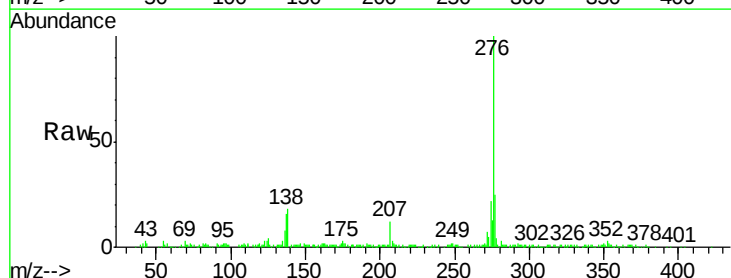
Tgt Ion:276 Resp: 272000

Ion Ratio Lower Upper

276 100

138 17.9 12.1 18.1

277 24.7 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

