

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017786.D
 Acq On : 7 Jul 2015 1:26
 Operator : TP/UM
 Sample : G2860-07 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J2DL

Quant Time: Jul 07 04:19:20 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	83413	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	389923	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	249352	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	501622	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	519082	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	512305	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	648	0.31	ng/uL	0.00
5) Phenol-d5	6.78	99	12500	1.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	7190	1.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	10547	1.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	10386	1.80	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	4975	1.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	5410	1.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	9663	1.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	6066	0.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	29109	1.76	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	38036	1.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	3278	0.99	ng/ul	0.00
57) Fluorene-d10	15.25	176	29706	1.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	1173	0.50	ng/ul	0.00
70) Anthracene-d10	17.11	188	39854	1.74	ng/ul	0.00
78) Pyrene-d10	19.41	212	42337	1.72	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	38058	1.69	ng/ul	0.00

Target Compounds

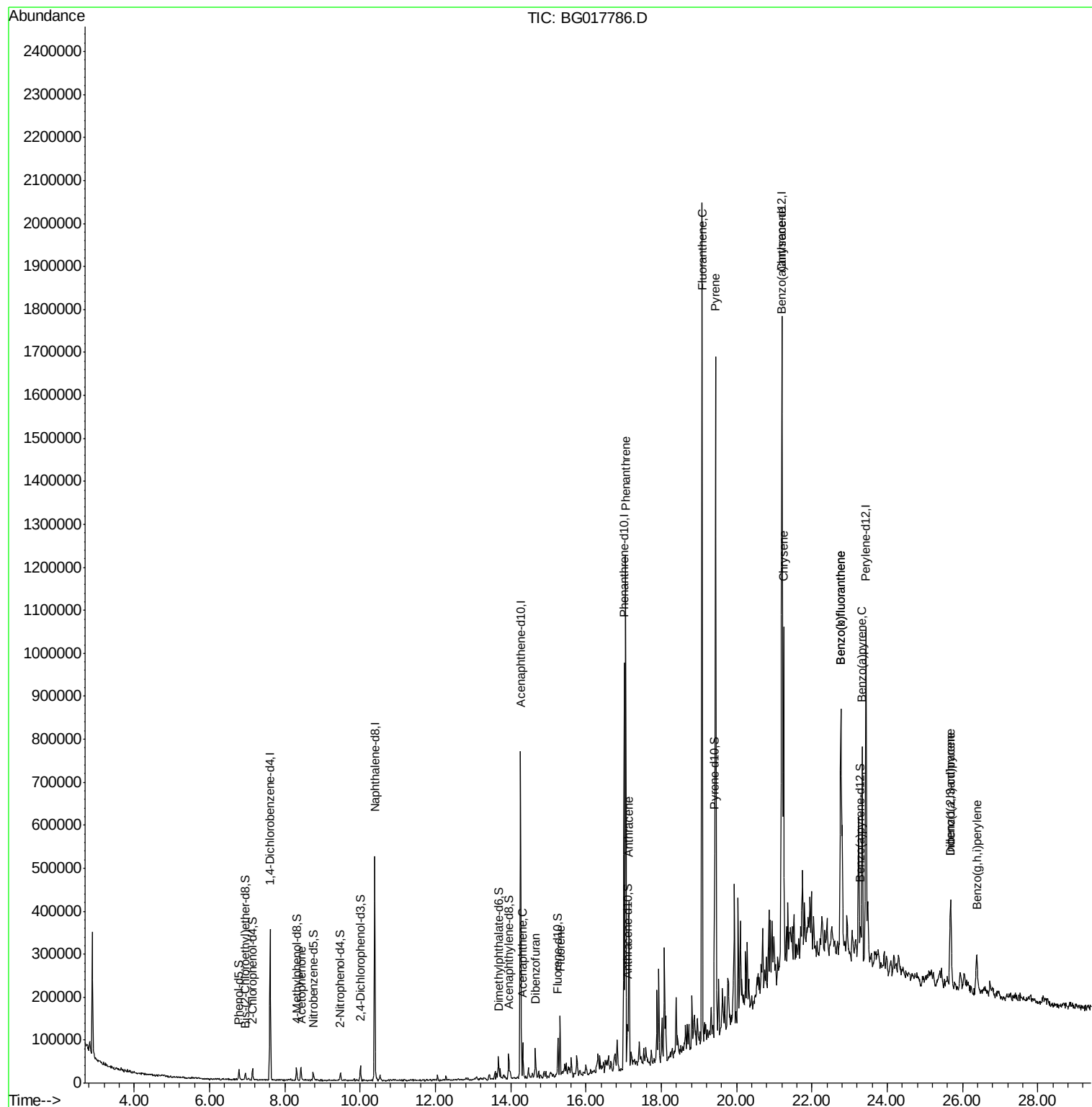
						Qvalue
14) Acetophenone	8.42	105	14000	1.65	ng/ul	90
49) Acenaphthene	14.32	153	30593	1.87	ng/ul	95
53) Dibenzofuran	14.66	168	32106	1.45	ng/ul	95
58) Fluorene	15.31	166	55991	2.85	ng/ul	98
69) Phenanthrene	17.05	178	630280	22.99	ng/ul	98
71) Anthracene	17.14	178	220457	7.82	ng/ul	99
76) Fluoranthene	19.08	202	987982	37.40	ng/ul	99
79) Pyrene	19.44	202	857705	27.08	ng/ul	99
82) Benzo(a)anthracene	21.19	228	419309	14.66	ng/ul	96
84) Chrysene	21.25	228	403109	14.88	ng/ul	95
87) Benzo(b)fluoranthene	22.77	252	432202	14.76	ng/ul	96
88) Benzo(k)fluoranthene	22.77	252	158711	5.75	ng/ul	98
90) Benzo(a)pyrene	23.34	252	315259	11.33	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.68	276	180539	5.94	ng/ul	96
92) Dibenzo(a,h)anthracene	25.70	278	54619	2.13	ng/ul	98
93) Benzo(g,h,i)perylene	26.38	276	104427	4.11	ng/ul	96

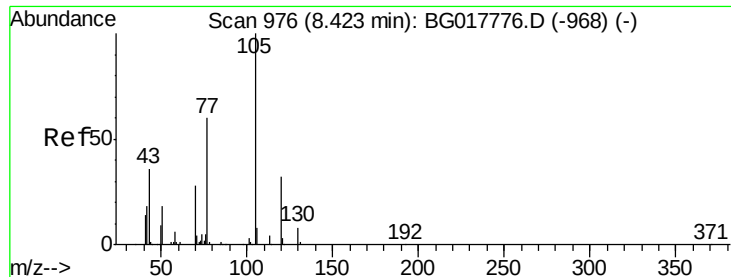
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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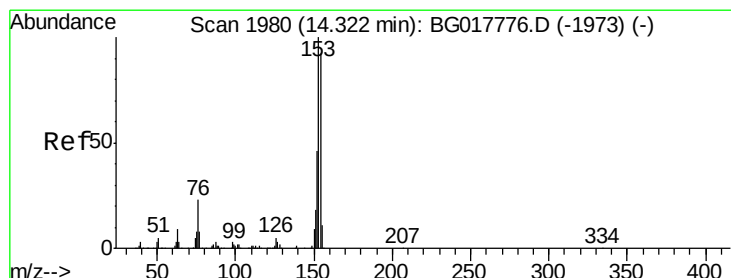
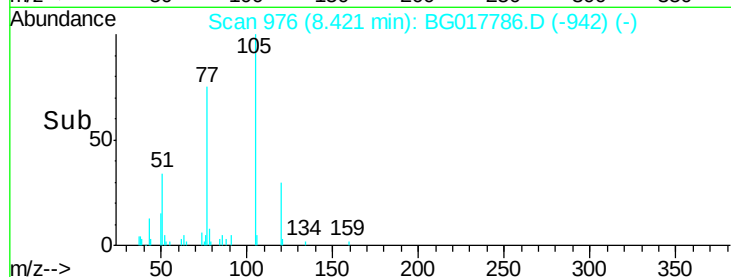
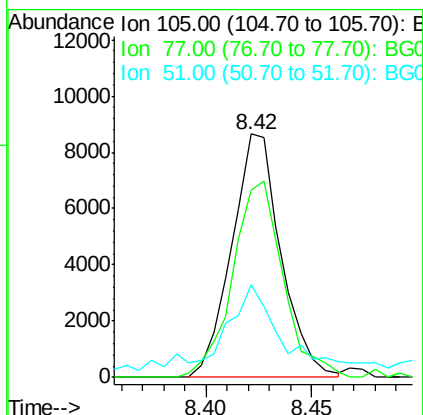
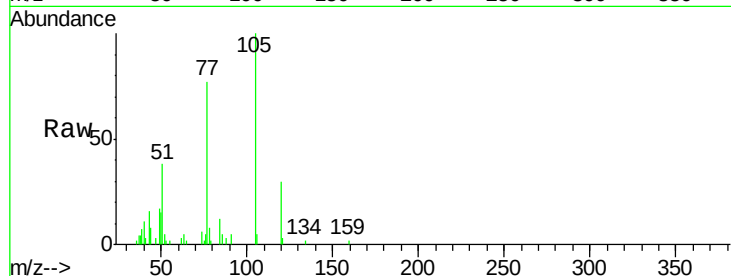




#14
Acetophenone
Concen: 1.65 ng/ul
RT: 8.42 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG017786.D
Acq: 7 Jul 2015 1:26

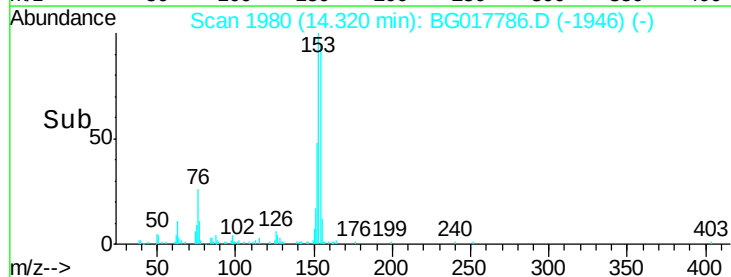
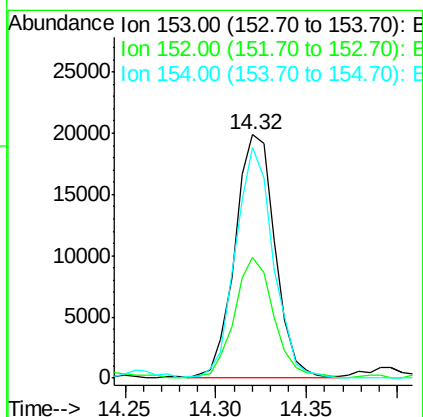
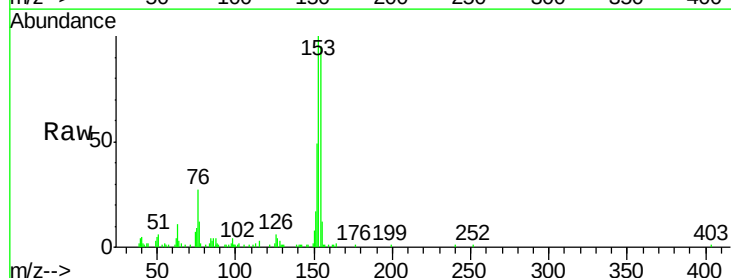
Instrument :
BNA_G
ClientSampleId :
G93J2DL

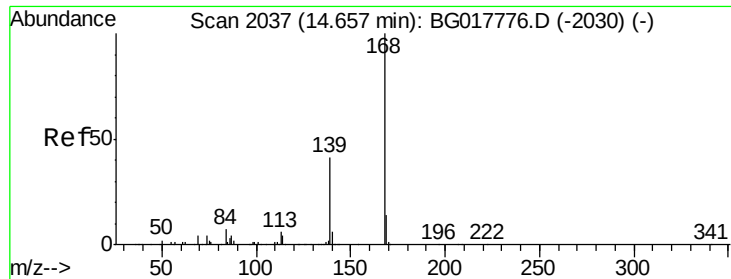
Tgt Ion:105 Resp: 14000
Ion Ratio Lower Upper
105 100
77 77.2 69.5 104.3
51 38.2 26.7 40.1



#49
Acenaphthene
Concen: 1.87 ng/ul
RT: 14.32 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BG017786.D
Acq: 7 Jul 2015 1:26

Tgt Ion:153 Resp: 30593
Ion Ratio Lower Upper
153 100
152 49.4 37.8 56.6
154 95.0 71.2 106.8





#53

Dibenzenofuran

Concen: 1.45 ng/ul

RT: 14.66 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampleId :

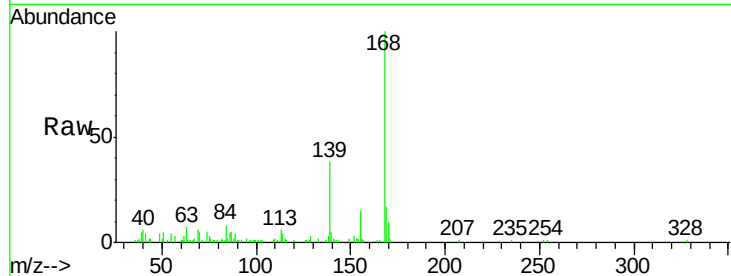
G93J2DL

Tgt Ion:168 Resp: 32106

Ion Ratio Lower Upper

168 100

139 37.7 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.66

25000

20000

15000

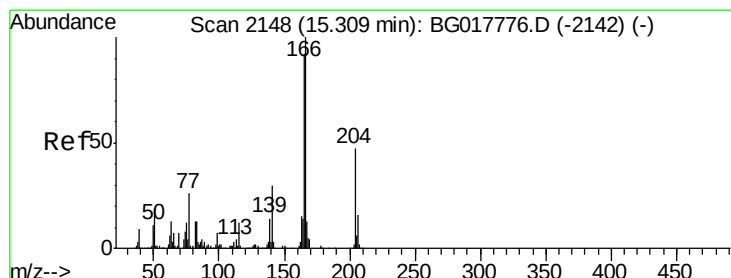
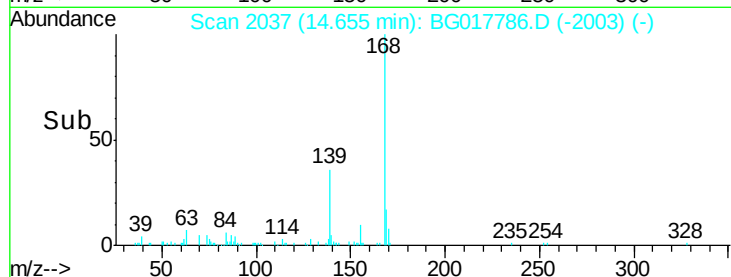
10000

5000

0

14.60 14.65 14.70

Time-->



#58

Fluorene

Concen: 2.85 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

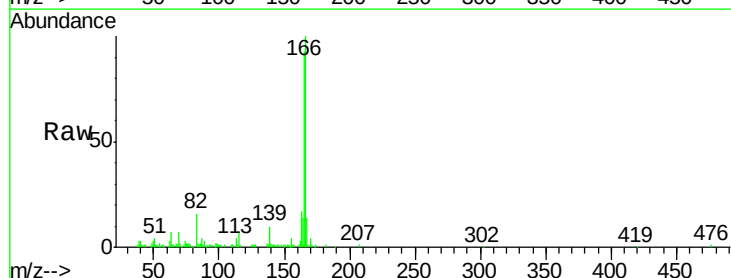
Tgt Ion:166 Resp: 55991

Ion Ratio Lower Upper

166 100

165 93.0 75.7 113.5

167 14.1 10.1 15.1



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

15.31

50000

40000

30000

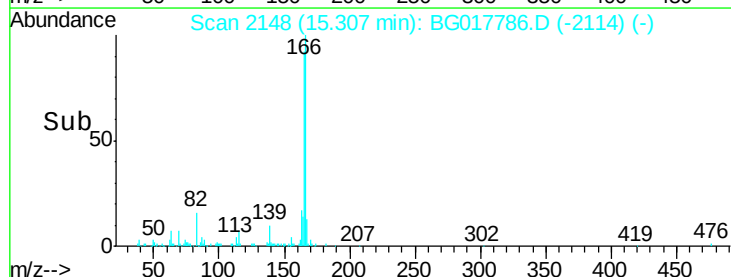
20000

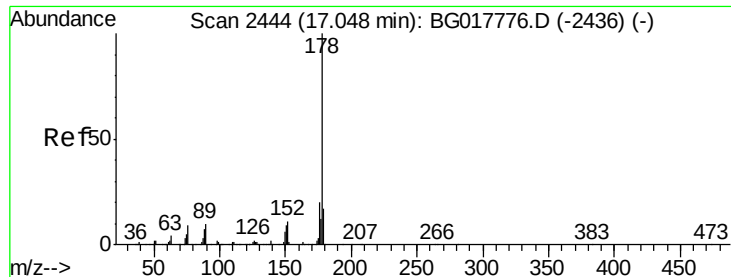
10000

0

15.25 15.30 15.35

Time-->





#69

Phenanthrene

Concen: 22.99 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampleId :

G93J2DL

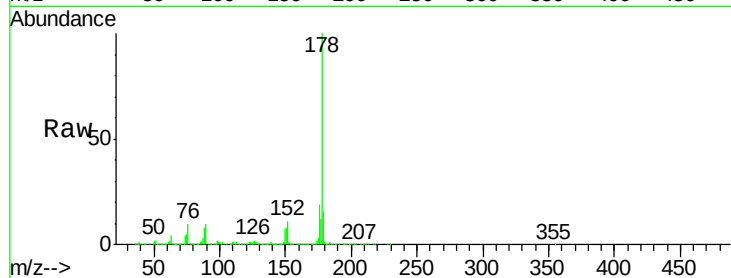
Tgt Ion:178 Resp: 630280

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

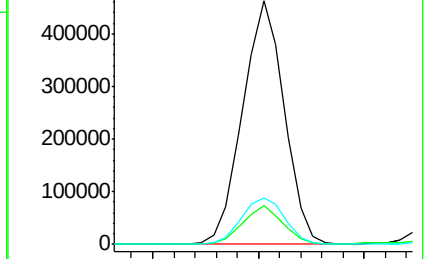
176 19.4 17.0 25.4



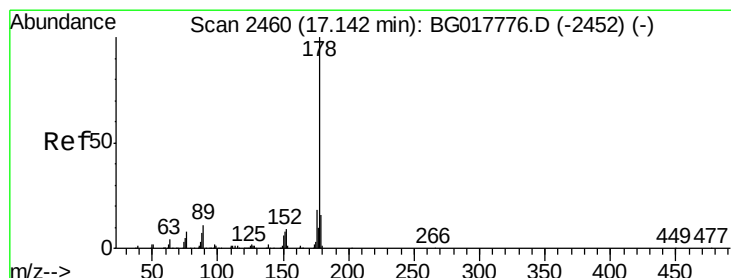
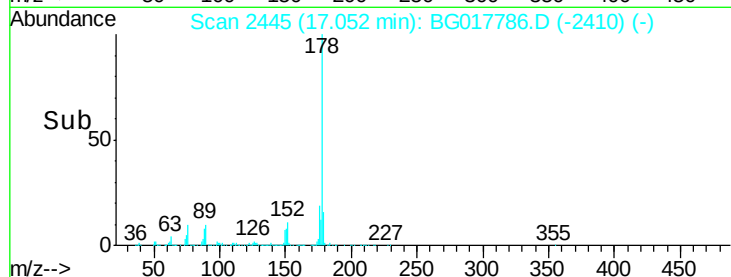
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 7.82 ng/ul

RT: 17.14 min Scan# 2460

Delta R.T. -0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

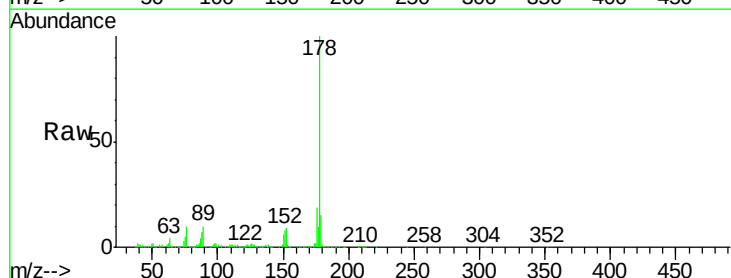
Tgt Ion:178 Resp: 220457

Ion Ratio Lower Upper

178 100

179 15.0 12.4 18.6

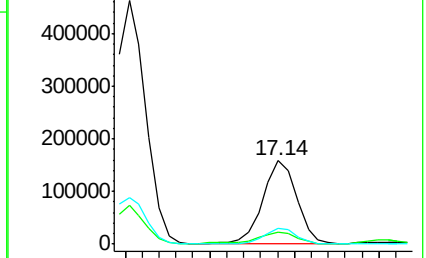
176 18.8 15.3 22.9



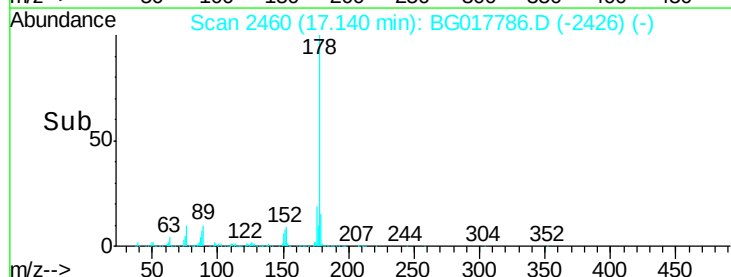
Abundance Ion 178.00 (177.70 to 178.70): E

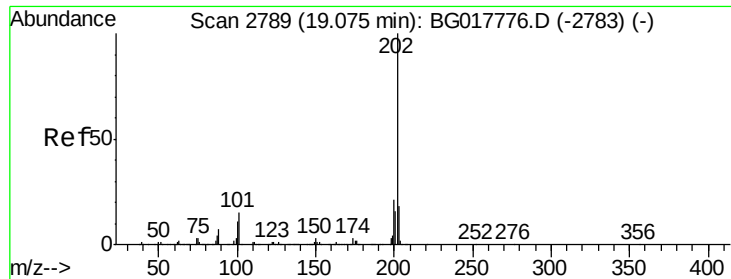
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

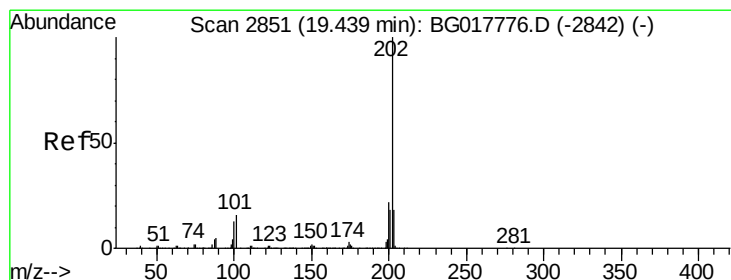
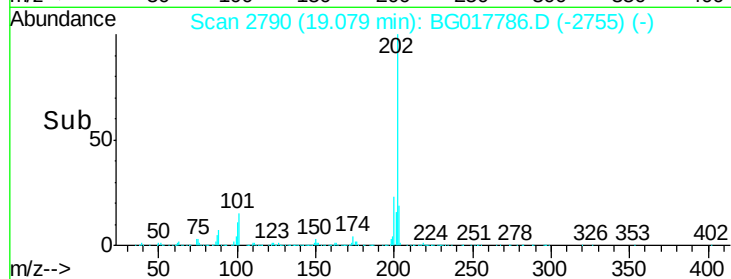
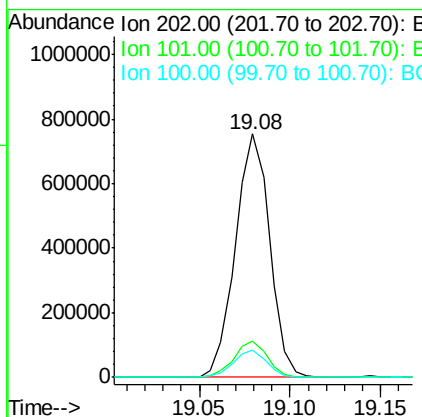
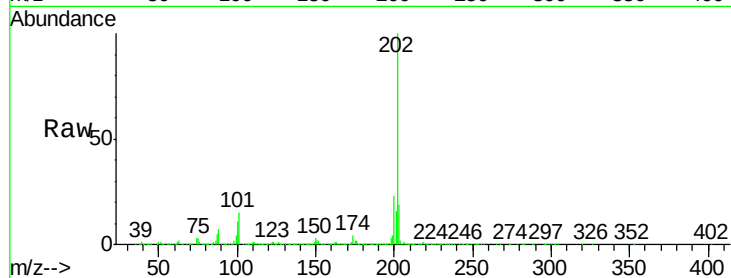




#76
Fluoranthene
Concen: 37.40 ng/ul
RT: 19.08 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BG017786.D
Acq: 7 Jul 2015 1:26

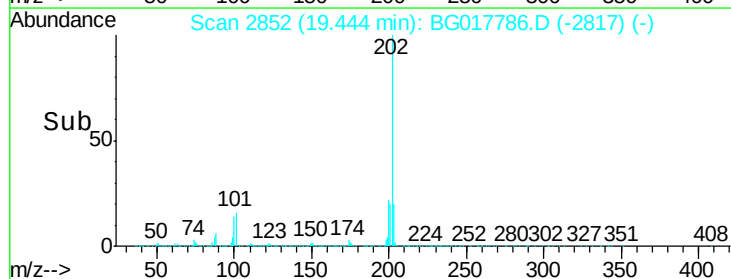
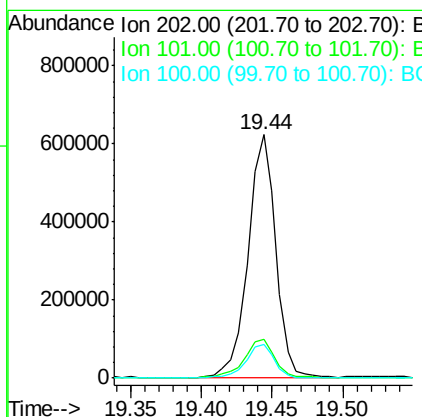
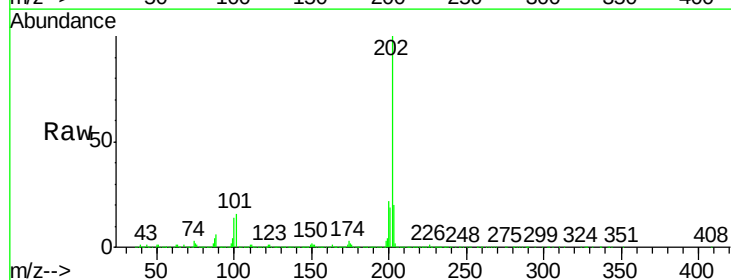
Instrument :
BNA_G
ClientSampleId :
G93J2DL

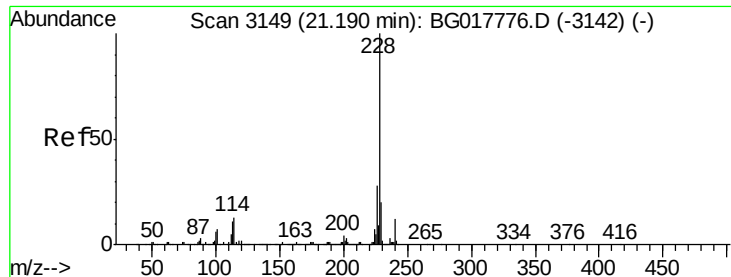
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.6	18.8
100	11.3	9.1	13.7



#79
Pyrene
Concen: 27.08 ng/ul
RT: 19.44 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BG017786.D
Acq: 7 Jul 2015 1:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	13.1	19.7
100	13.7	11.3	16.9





#82

Benzo(a)anthracene

Concen: 14.66 ng/ul

RT: 21.19 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampleId :

G93J2DL

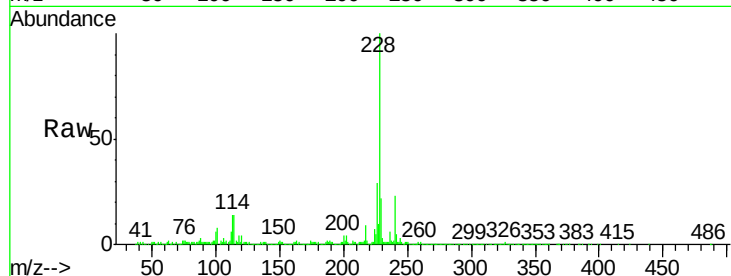
Tgt Ion:228 Resp: 419309

Ion Ratio Lower Upper

228 100

229 22.2 15.8 23.8

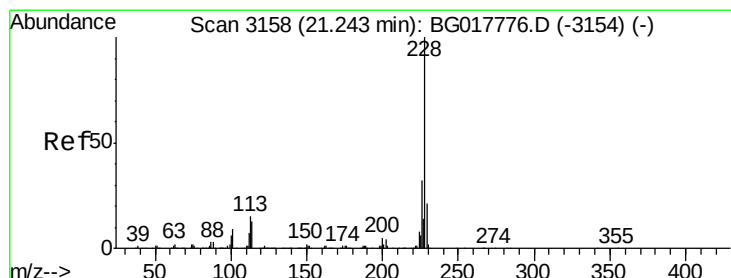
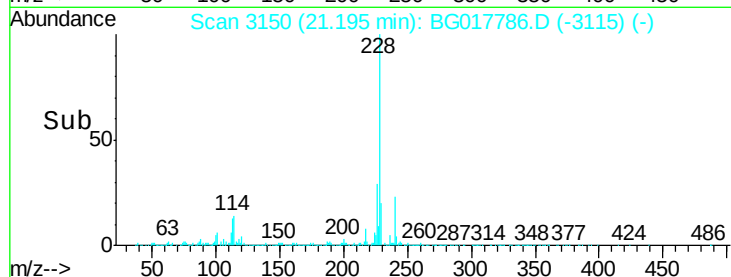
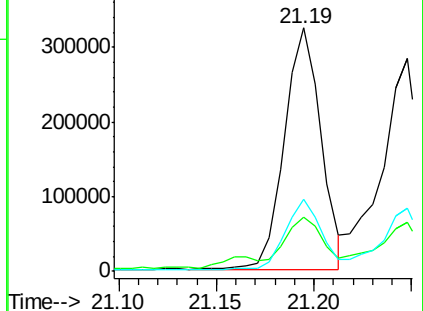
226 29.5 22.2 33.2



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



#84

Chrysene

Concen: 14.88 ng/ul

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

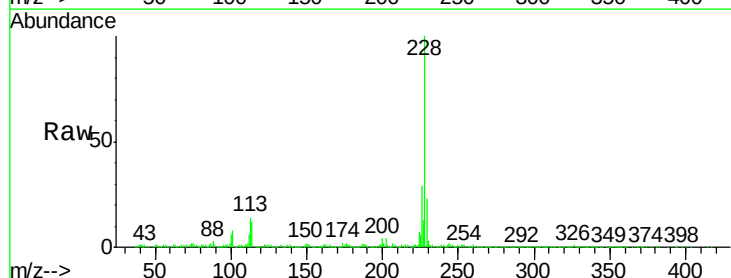
Tgt Ion:228 Resp: 403109

Ion Ratio Lower Upper

228 100

226 29.4 25.6 38.4

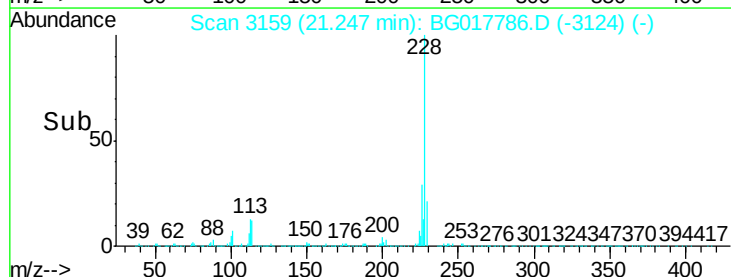
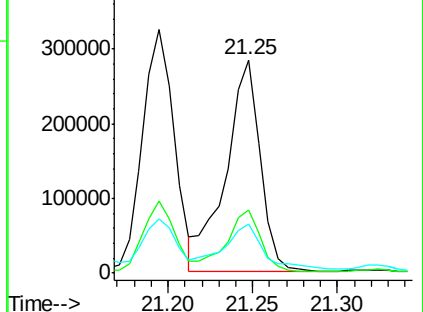
229 23.0 16.4 24.6

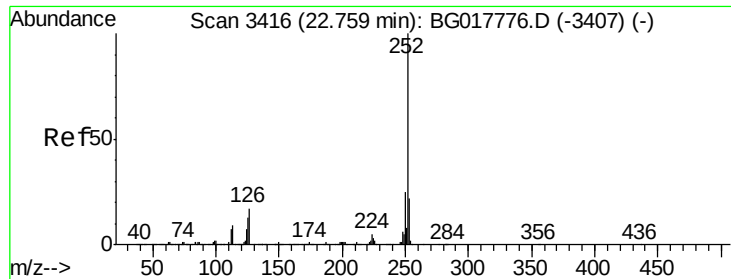


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 14.76 ng/ul

RT: 22.77 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampled :

G93J2DL

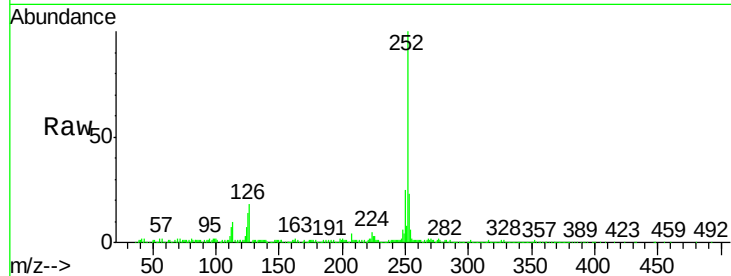
Tgt Ion:252 Resp: 432202

Ion Ratio Lower Upper

252 100

253 23.0 16.8 25.2

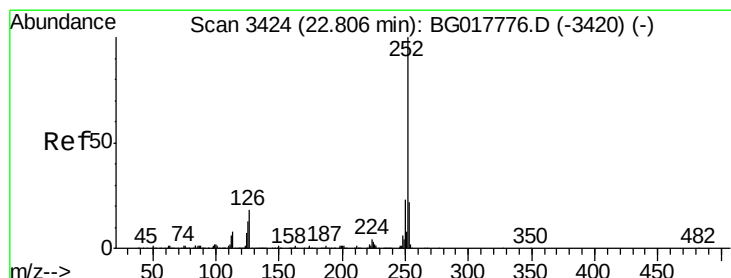
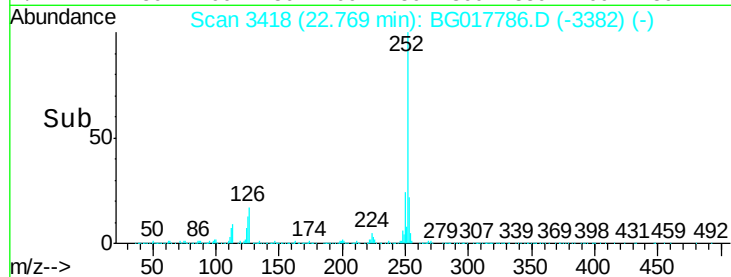
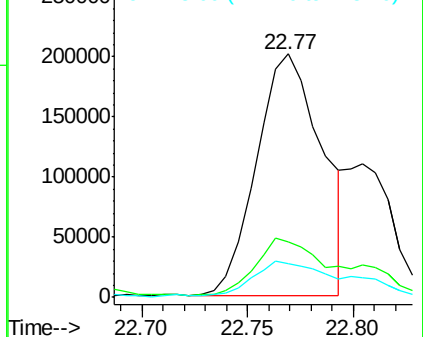
125 14.0 10.4 15.6



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(k)fluoranthene

Concen: 5.75 ng/ul

RT: 22.77 min Scan# 3418

Delta R.T. -0.04 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

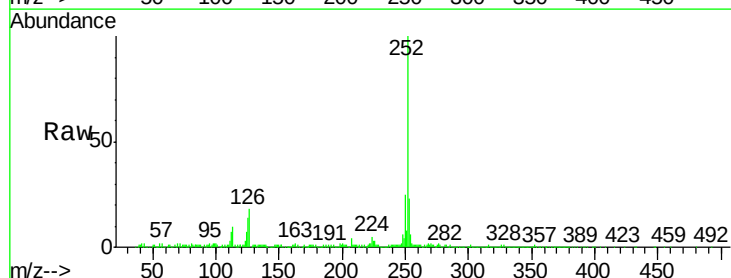
Tgt Ion:252 Resp: 158711

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

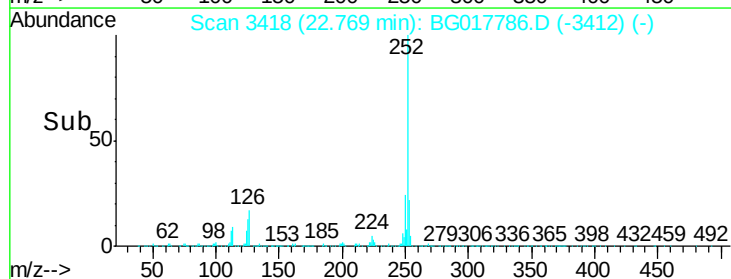
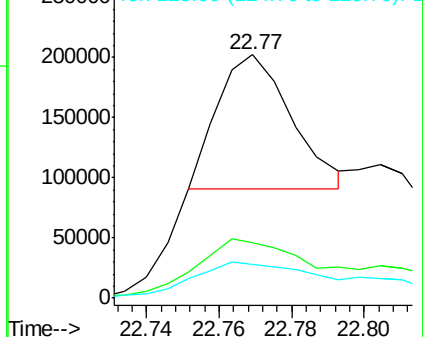
125 14.0 11.6 17.4

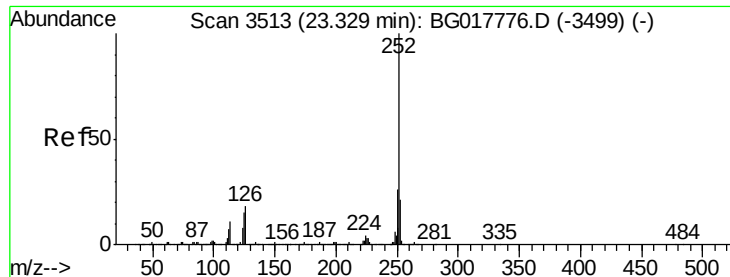


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 11.33 ng/ul

RT: 23.34 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampleId :

G93J2DL

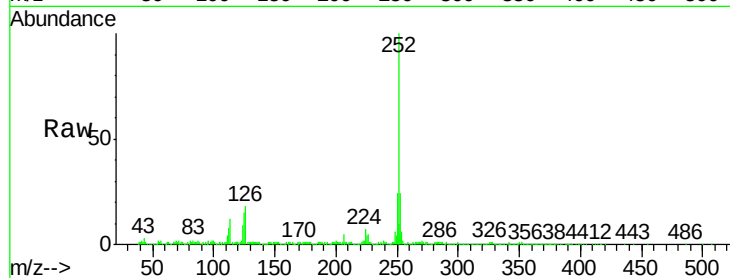
Tgt Ion:252 Resp: 315259

Ion Ratio Lower Upper

252 100

253 24.2 18.3 27.5

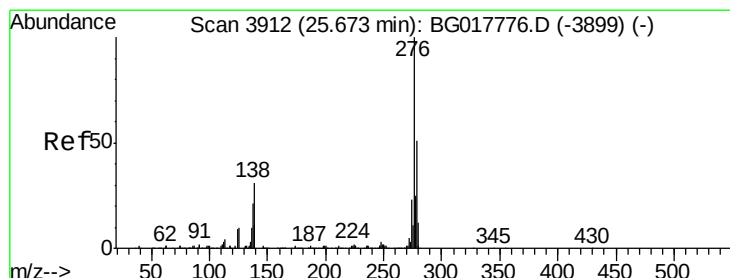
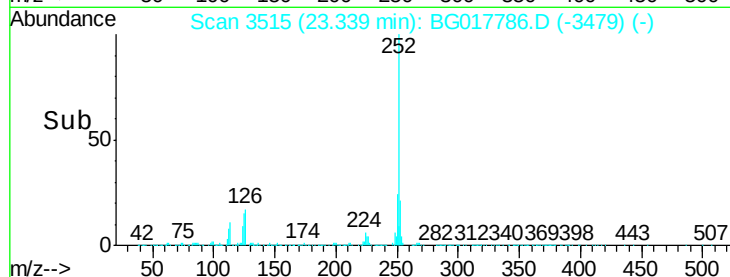
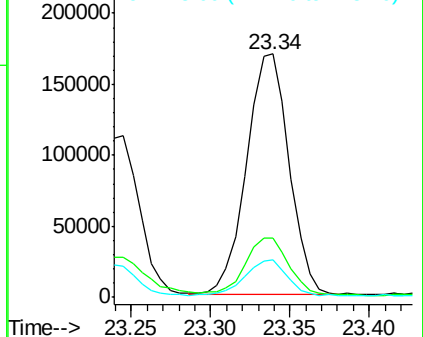
125 15.4 12.1 18.1



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.94 ng/ul

RT: 25.68 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

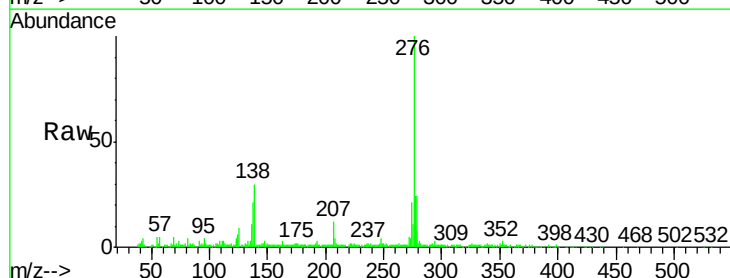
Tgt Ion:276 Resp: 180539

Ion Ratio Lower Upper

276 100

138 30.1 26.1 39.1

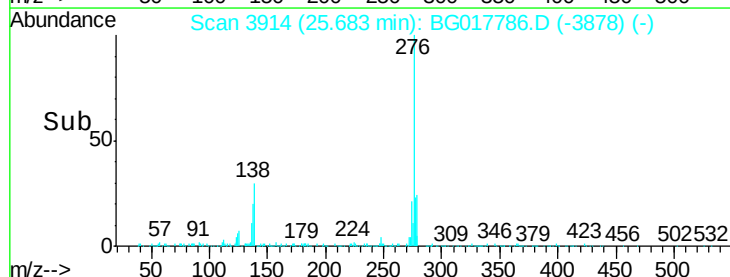
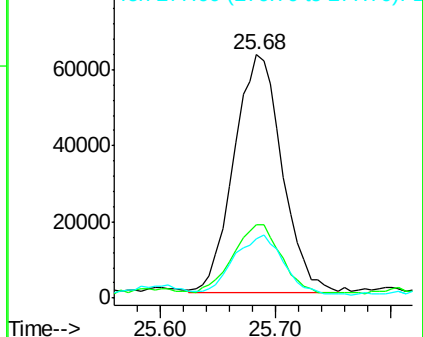
277 24.2 20.9 31.3

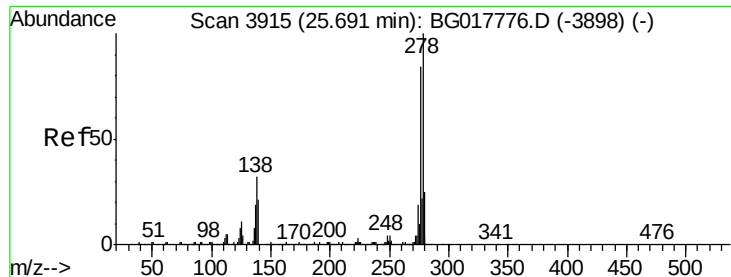


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.13 ng/ul

RT: 25.70 min Scan# 3916

Delta R.T. 0.00 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

Instrument :

BNA_G

ClientSampleId :

G93J2DL

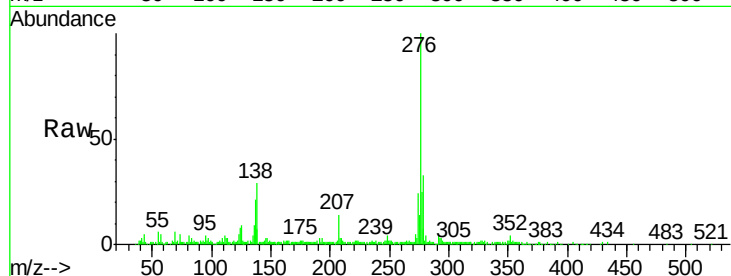
Tgt Ion:278 Resp: 54619

Ion Ratio Lower Upper

278 100

139 21.5 16.3 24.5

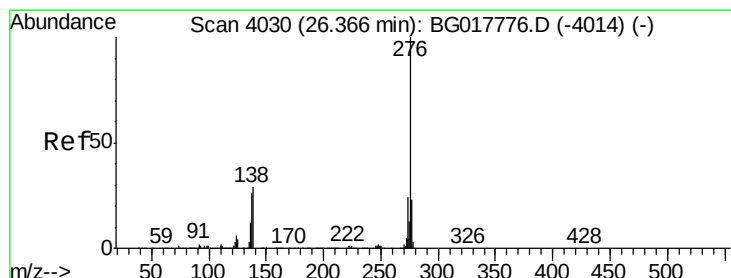
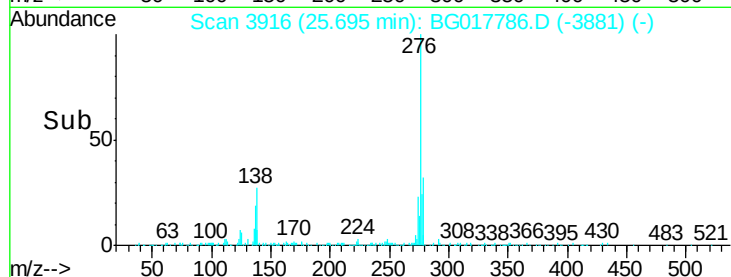
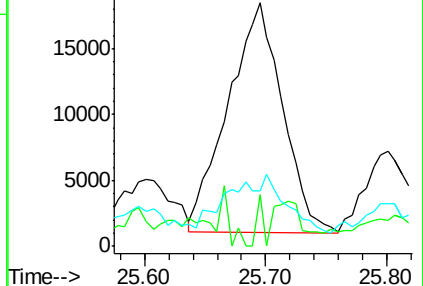
279 22.6 18.7 28.1



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



#93

Benzo(g,h,i)perylene

Concen: 4.11 ng/ul

RT: 26.38 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BG017786.D

Acq: 7 Jul 2015 1:26

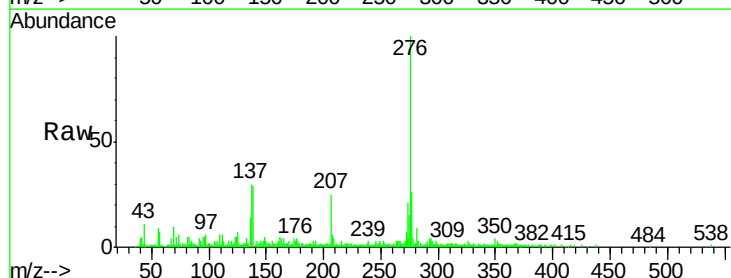
Tgt Ion:276 Resp: 104427

Ion Ratio Lower Upper

276 100

138 29.2 25.1 37.7

277 25.6 18.7 28.1



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

