

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017787.D
 Acq On : 7 Jul 2015 2:01
 Operator : TP/UM
 Sample : G2860-20 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93K5DL

Quant Time: Jul 07 04:19:36 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	7.61	152	77856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	375074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	224983	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	444950	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	464891	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	479141	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	557	0.28	ng/uL	0.00
5) Phenol-d5	6.78	99	8736	1.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	5103	1.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	7260	1.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	7015	1.30	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	3424	1.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	3527	1.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	6203	1.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	2809	0.39	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	20379	1.37	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	27966	1.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	2676	0.90	ng/ul	0.00
57) Fluorene-d10	15.25	176	21973	1.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	749	0.36	ng/ul	0.00
70) Anthracene-d10	17.11	188	30518	1.50	ng/ul	0.00
78) Pyrene-d10	19.41	212	31750	1.44	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	27360	1.30	ng/ul	0.01

Target Compounds

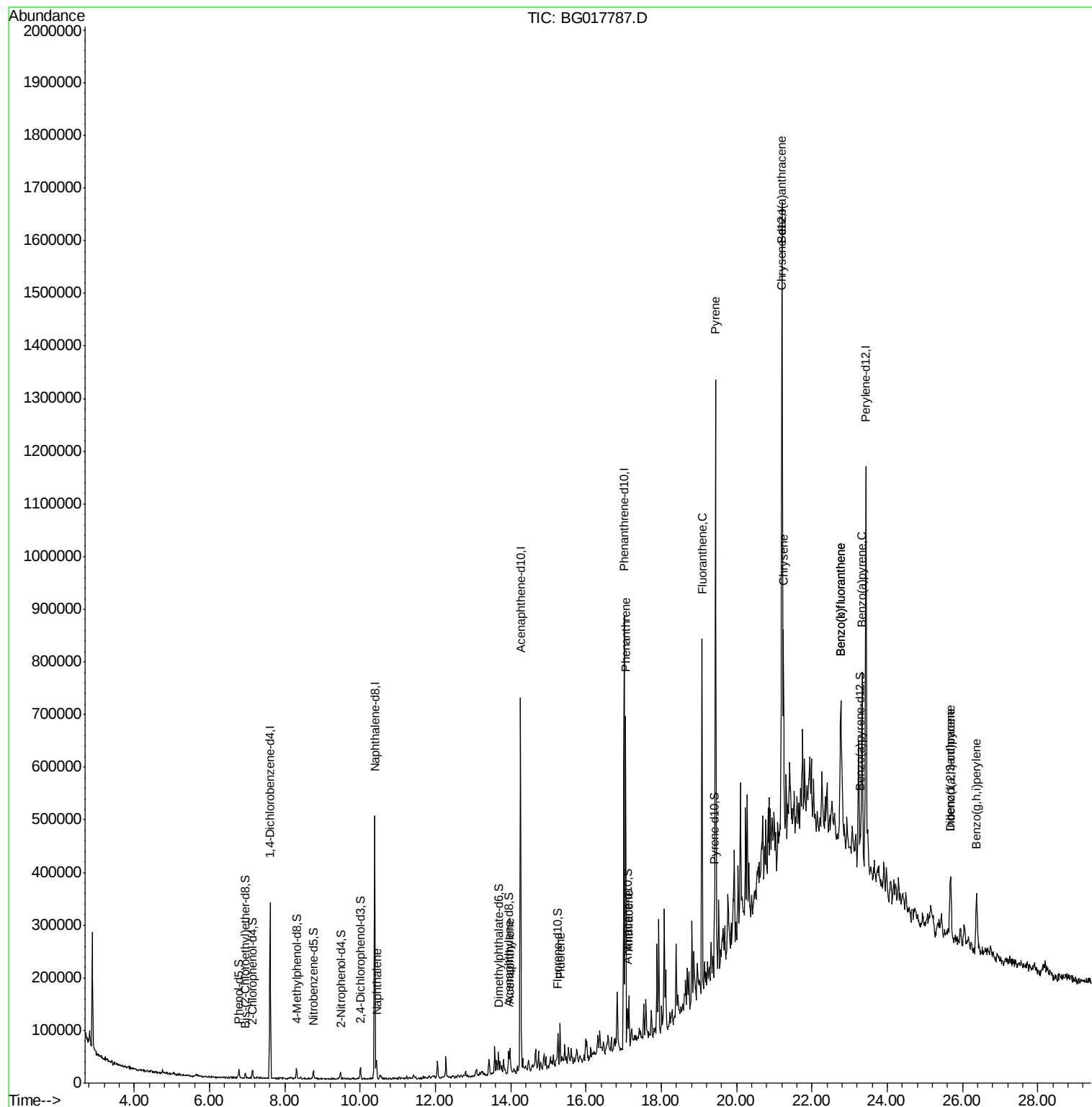
						Qvalue
28) Naphthalene	10.44	128	25227	1.30	ng/ul	97
47) Acenaphthylene	13.98	152	29959	1.37	ng/ul	94
58) Fluorene	15.31	166	28572	1.61	ng/ul#	96
69) Phenanthrene	17.05	178	326895	13.44	ng/ul	96
71) Anthracene	17.14	178	51877	2.07	ng/ul	97
76) Fluoranthene	19.08	202	360869	15.40	ng/ul	95
79) Pyrene	19.44	202	626579	22.09	ng/ul	100
82) Benzo(a)anthracene	21.20	228	207672	8.11	ng/ul#	90
84) Chrysene	21.24	228	211355	8.71	ng/ul#	92
87) Benzo(b)fluoranthene	22.77	252	275165	10.05	ng/ul#	94
88) Benzo(k)fluoranthene	22.77	252	242315	9.39	ng/ul	97
90) Benzo(a)pyrene	23.33	252	205408	7.89	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.69	276	112608	3.96	ng/ul	96
92) Dibenzo(a,h)anthracene	25.70	278	30892	1.29	ng/ul#	84
93) Benzo(g,h,i)perylene	26.38	276	121075	5.09	ng/ul	94

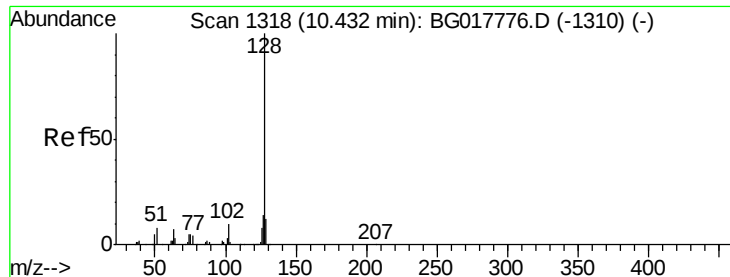
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 1.30 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

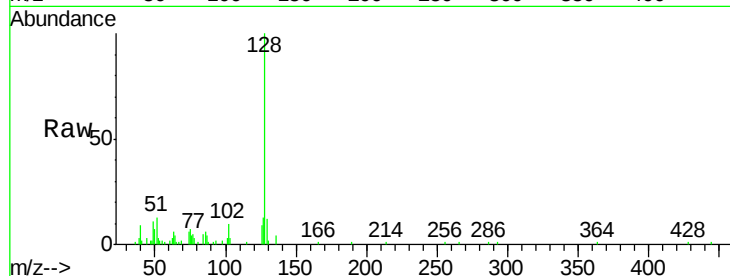
Tgt Ion:128 Resp: 25227

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

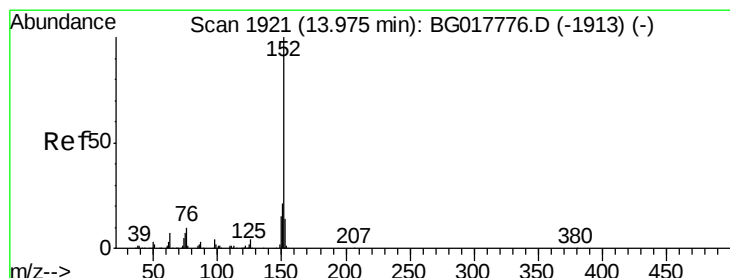
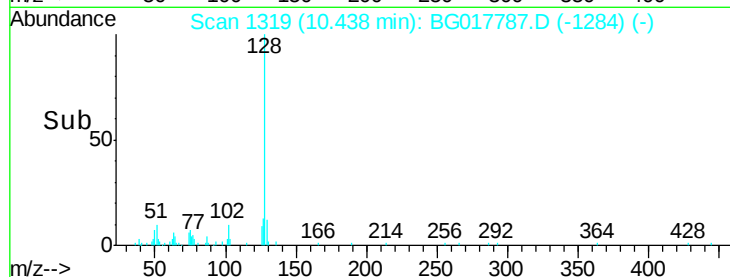
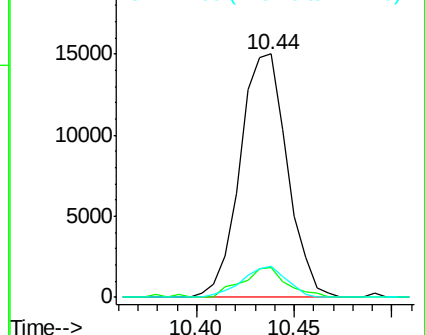
127 12.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#47

Acenaphthylene

Concen: 1.37 ng/ul

RT: 13.98 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

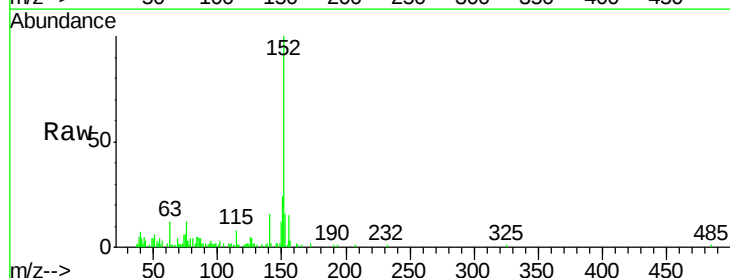
Tgt Ion:152 Resp: 29959

Ion Ratio Lower Upper

152 100

151 24.2 17.0 25.6

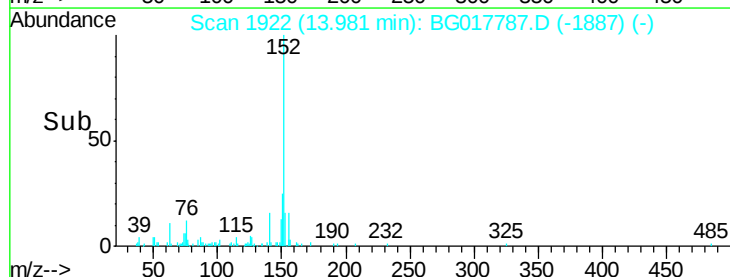
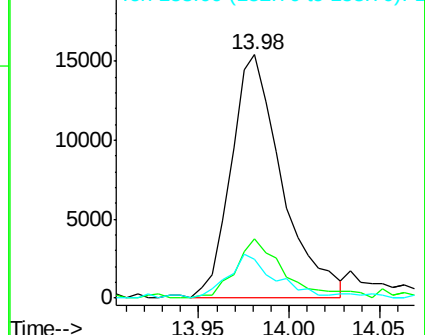
153 16.1 11.2 16.8

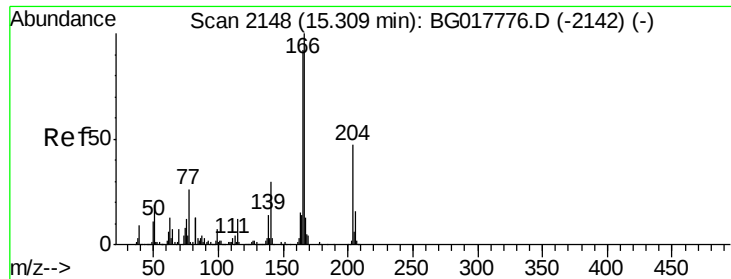


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.61 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

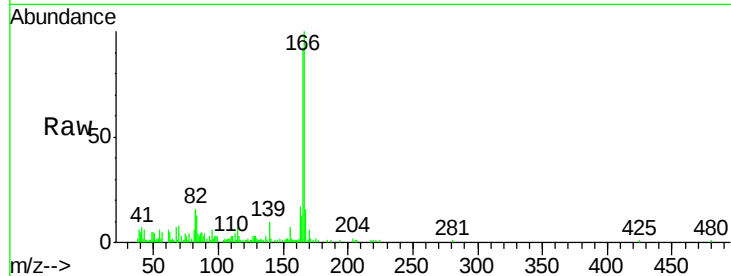
Tgt Ion:166 Resp: 28572

Ion Ratio Lower Upper

166 100

165 91.8 75.7 113.5

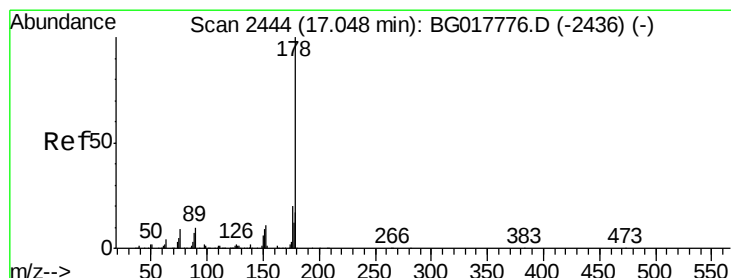
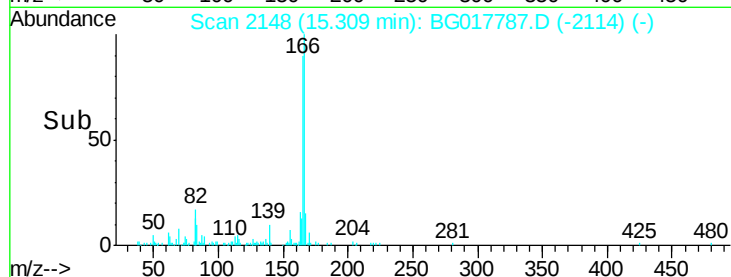
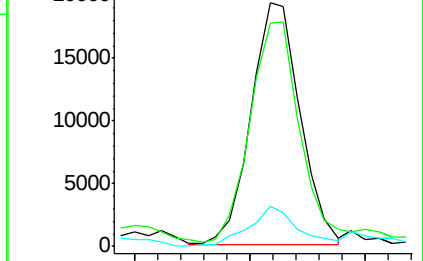
167 16.4 10.1 15.1#



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



#69

Phenanthrene

Concen: 13.44 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

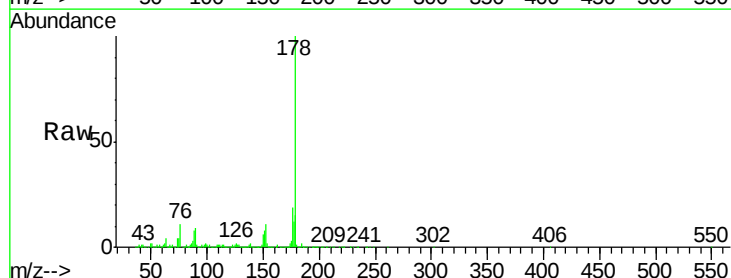
Tgt Ion:178 Resp: 326895

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.4

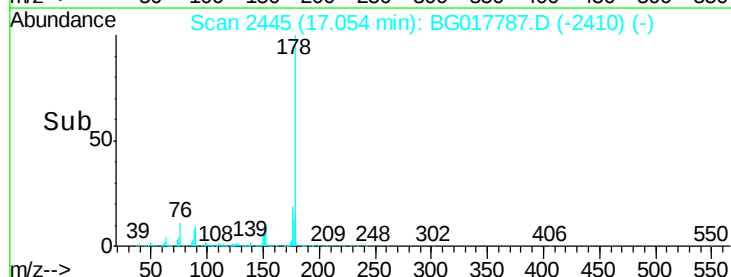
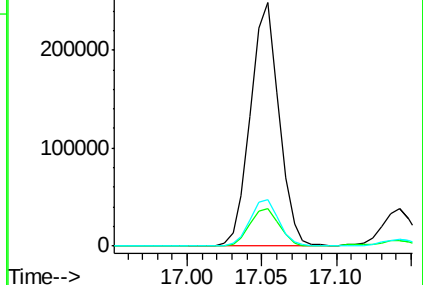
176 18.9 17.0 25.4

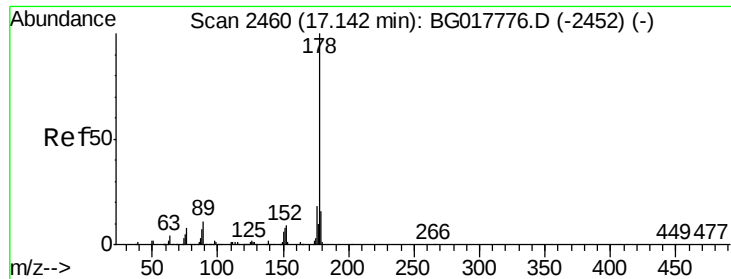


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.07 ng/ul

RT: 17.14 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

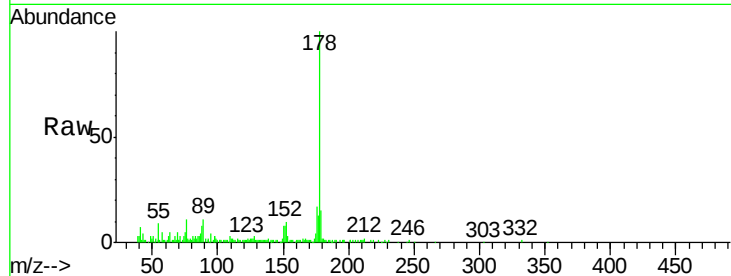
Tgt Ion:178 Resp: 51877

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

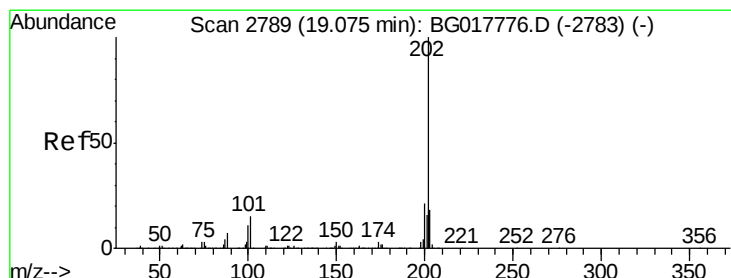
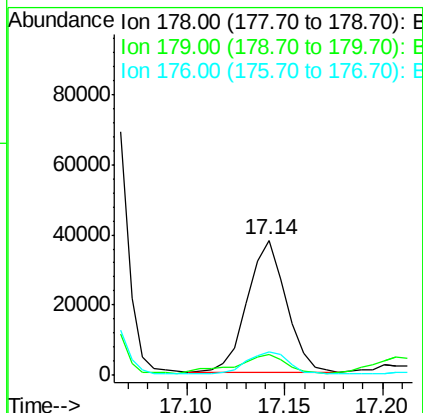
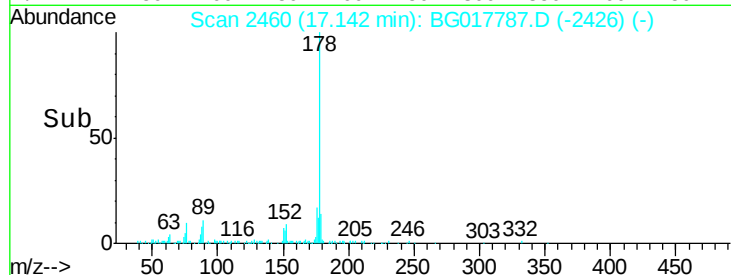
176 17.3 15.3 22.9



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



#76

Fluoranthene

Concen: 15.40 ng/ul

RT: 19.08 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

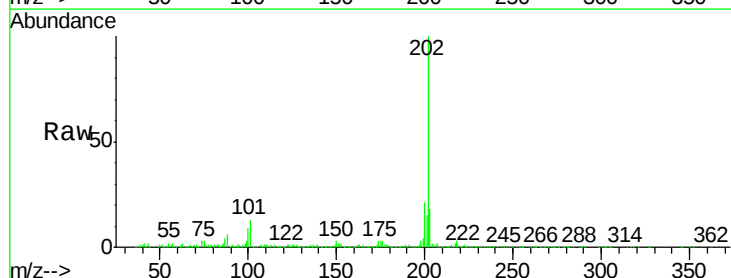
Tgt Ion:202 Resp: 360869

Ion Ratio Lower Upper

202 100

101 13.4 12.6 18.8

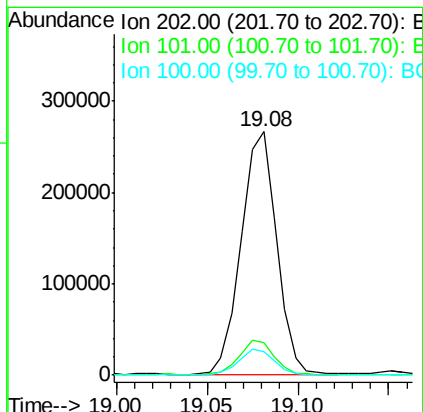
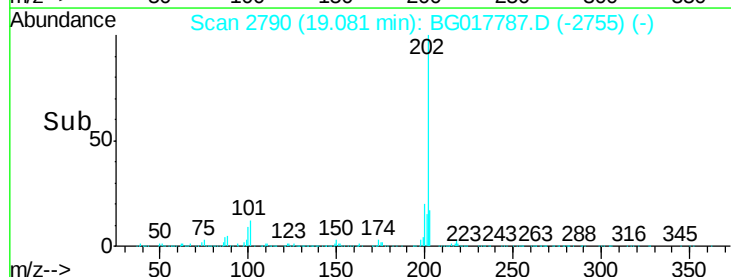
100 9.5 9.1 13.7

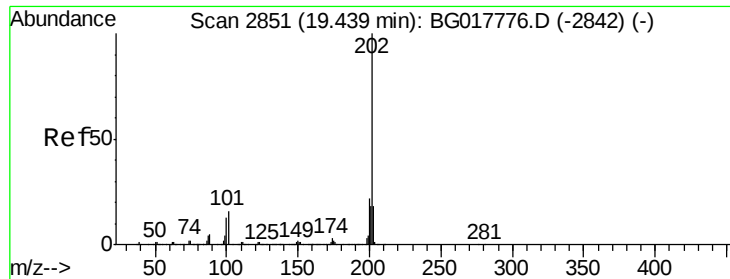


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

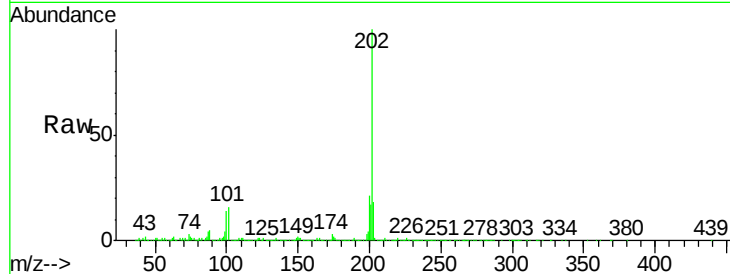




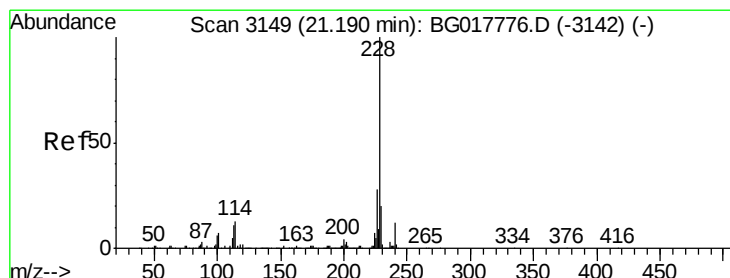
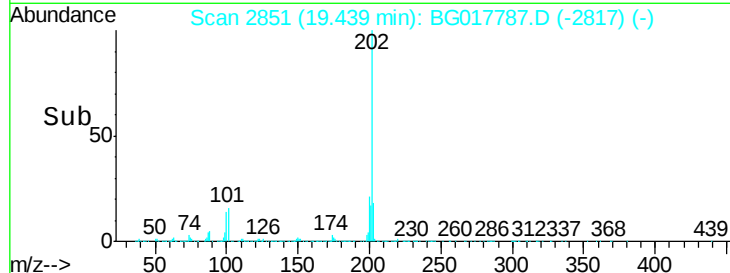
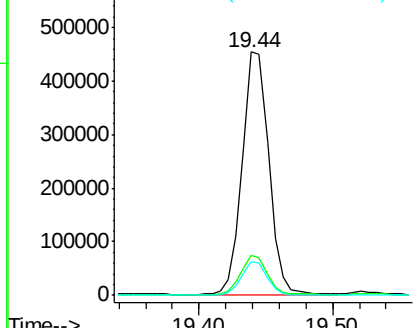
#79
 Pyrene
 Concen: 22.09 ng/ul
 RT: 19.44 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG017787.D
 Acq: 7 Jul 2015 2:01

Instrument :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	13.1	19.7
100	14.0	11.3	16.9

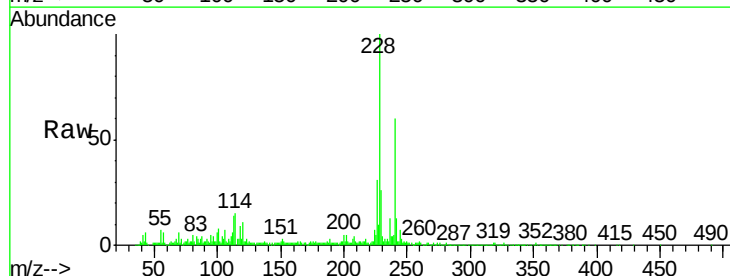


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): E

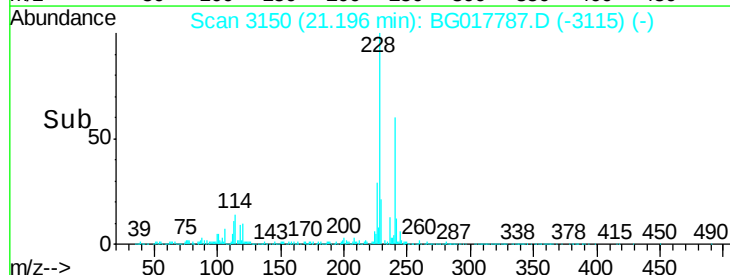
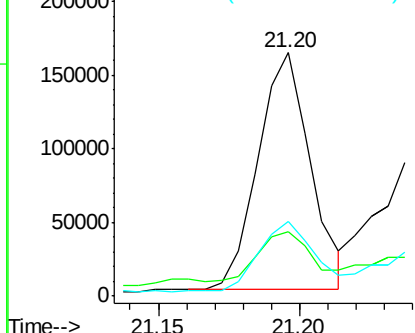


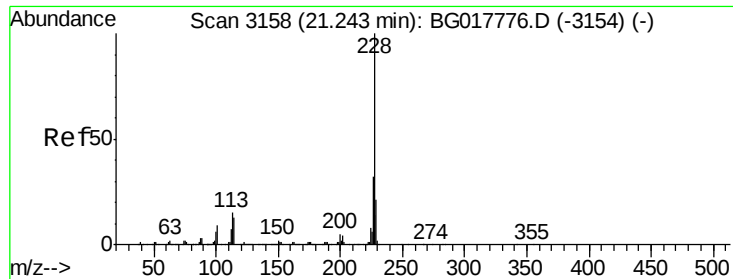
#82
 Benzo(a)anthracene
 Concen: 8.11 ng/ul
 RT: 21.20 min Scan# 3150
 Delta R.T. 0.01 min
 Lab File: BG017787.D
 Acq: 7 Jul 2015 2:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.5	15.8	23.8#
226	30.9	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: 8.71 ng/ul

RT: 21.24 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

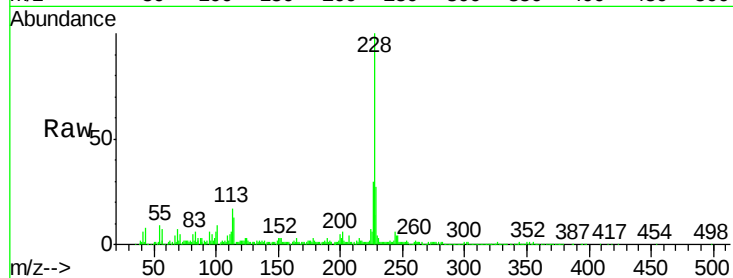
Tgt Ion:228 Resp: 211355

Ion Ratio Lower Upper

228 100

226 30.0 25.6 38.4

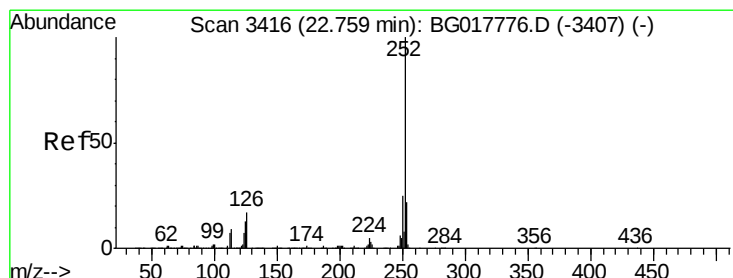
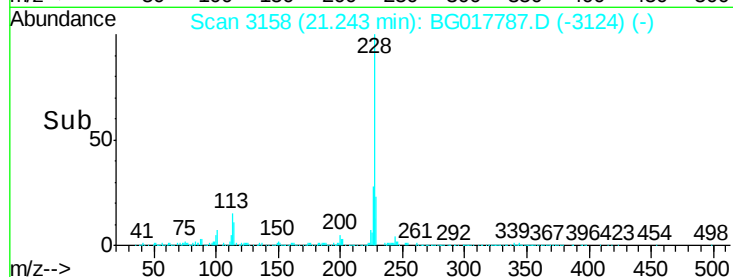
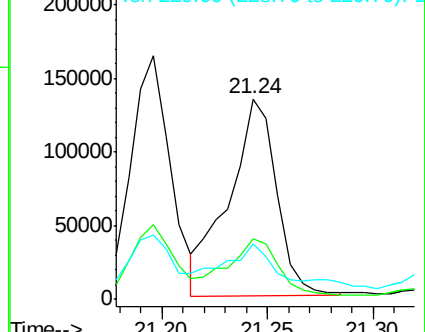
229 27.5 16.4 24.6#



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: 10.05 ng/ul

RT: 22.77 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

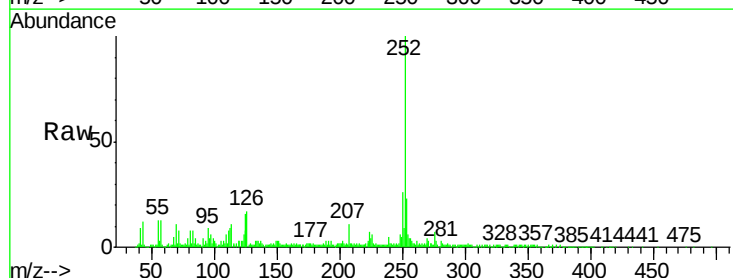
Tgt Ion:252 Resp: 275165

Ion Ratio Lower Upper

252 100

253 23.2 16.8 25.2

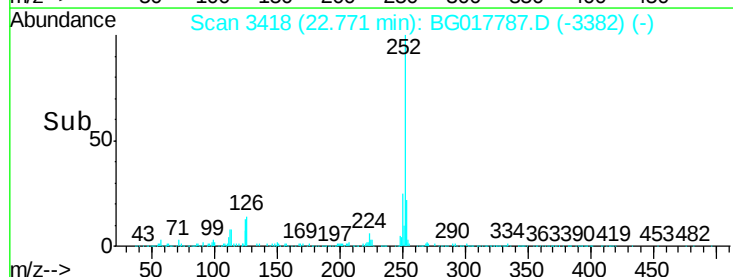
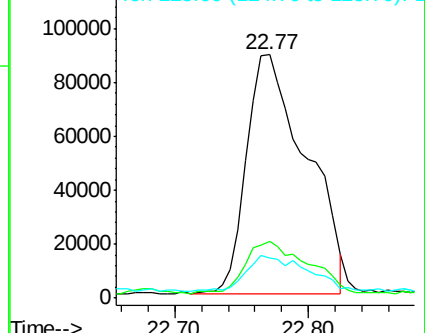
125 16.5 10.4 15.6#

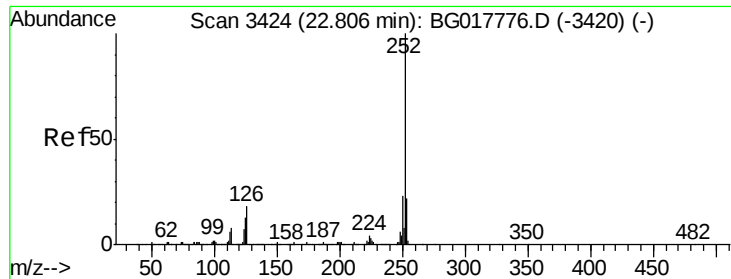


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.39 ng/ul

RT: 22.77 min Scan# 3418

Delta R.T. -0.04 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

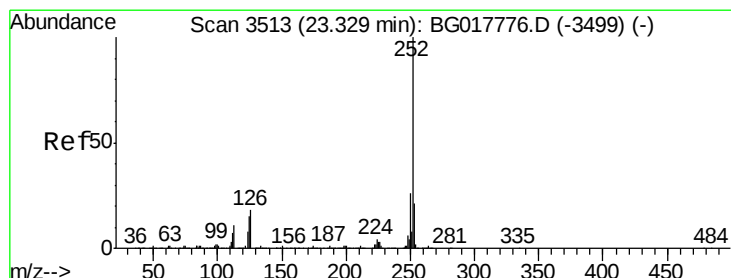
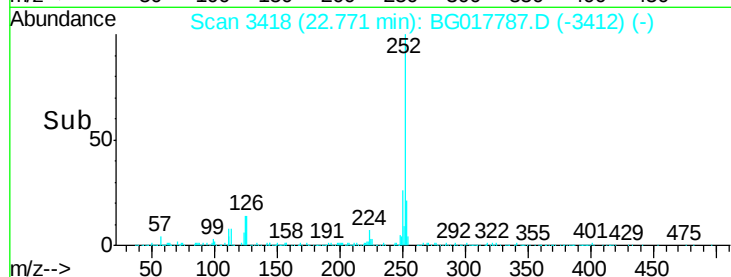
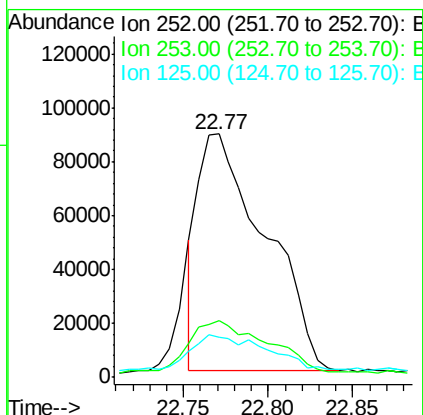
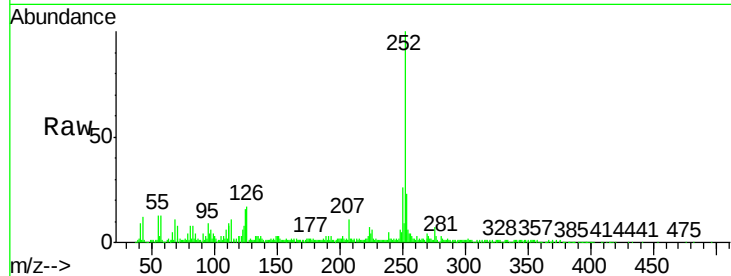
Instrument :

BNA_G

ClientSampleId :

G93K5DL

Tgt Ion:	252	Resp:	242315
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.6	26.4
125	16.5	11.6	17.4



#90

Benzo(a)pyrene

Concen: 7.89 ng/ul

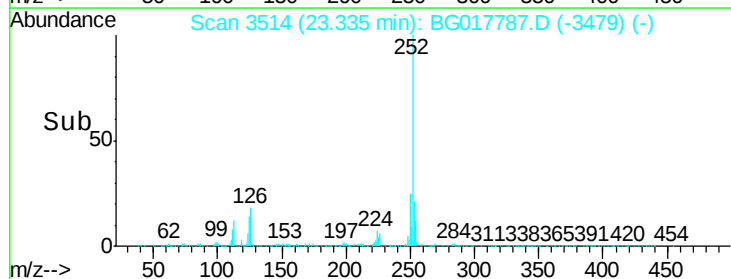
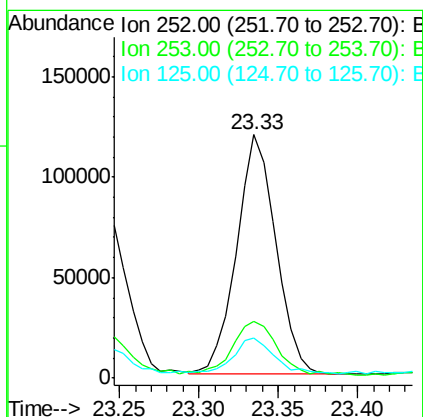
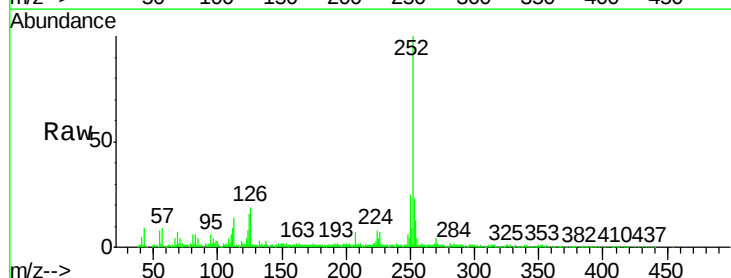
RT: 23.33 min Scan# 3514

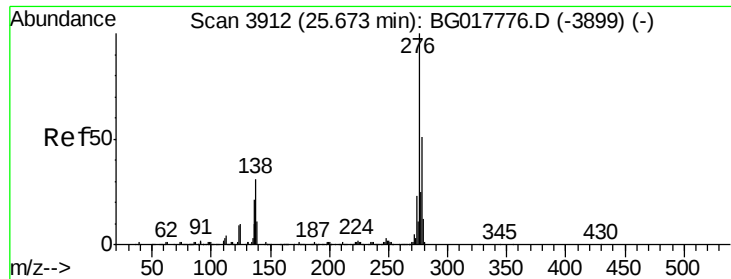
Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Tgt Ion:	252	Resp:	205408
Ion Ratio		Lower	Upper
252	100		
253	23.1	18.3	27.5
125	16.2	12.1	18.1





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng/ul

RT: 25.69 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

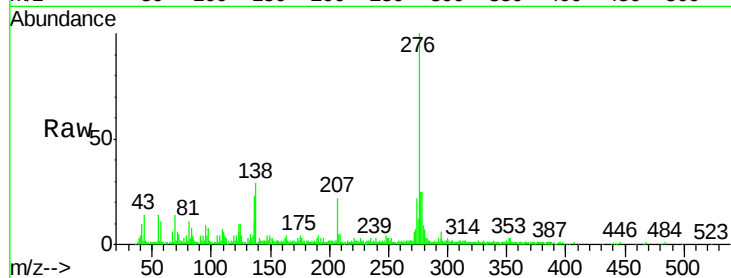
Tgt Ion:276 Resp: 112608

Ion Ratio Lower Upper

276 100

138 29.0 26.1 39.1

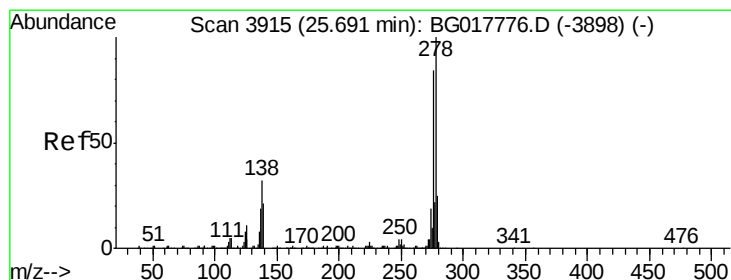
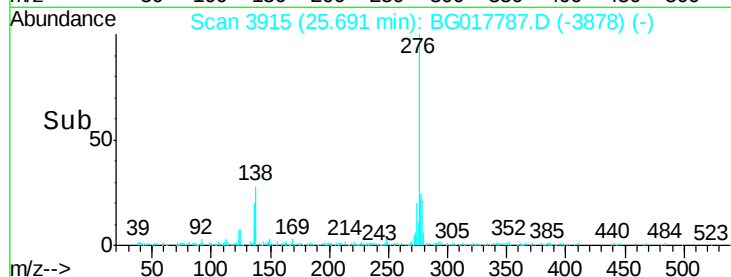
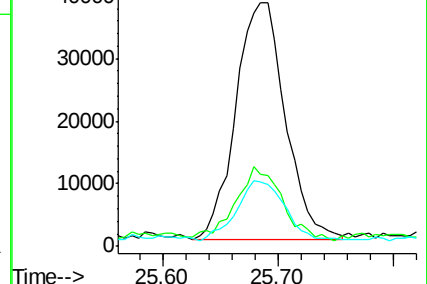
277 25.5 20.9 31.3



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: 1.29 ng/ul

RT: 25.70 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

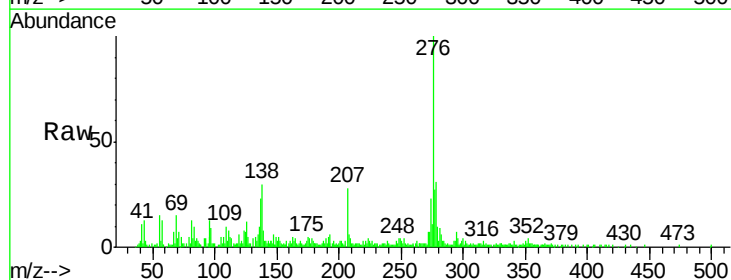
Tgt Ion:278 Resp: 30892

Ion Ratio Lower Upper

278 100

139 25.3 16.3 24.5#

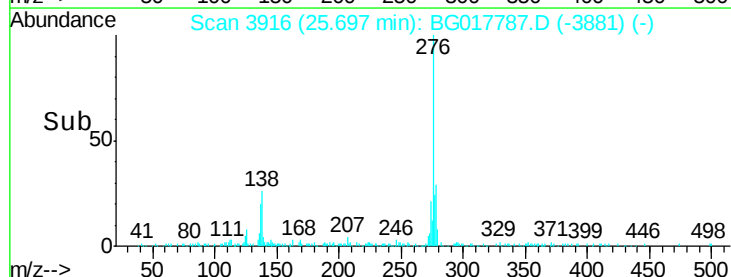
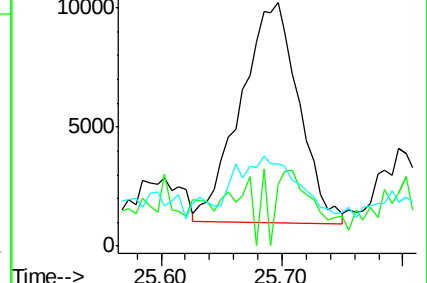
279 33.9 18.7 28.1#

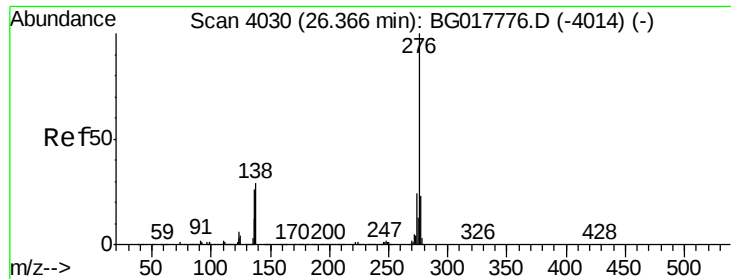


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.09 ng/ul

RT: 26.38 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL

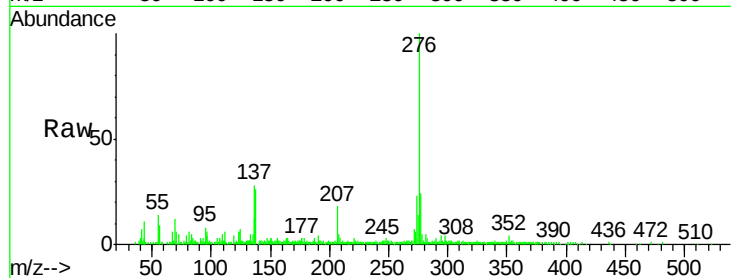
Tgt Ion: 276 Resp: 121075

Ion Ratio Lower Upper

276 100

138 26.4 25.1 37.7

277 24.1 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

