

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002178.D
 Acq On : 02 Aug 2015 20:40
 Operator : TP
 Sample : G3073-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6

Quant Time: Aug 03 02:08:57 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	63573	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	276690	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	172994	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	402632	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	483338	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	420289	20.00	ng/ul	0.00

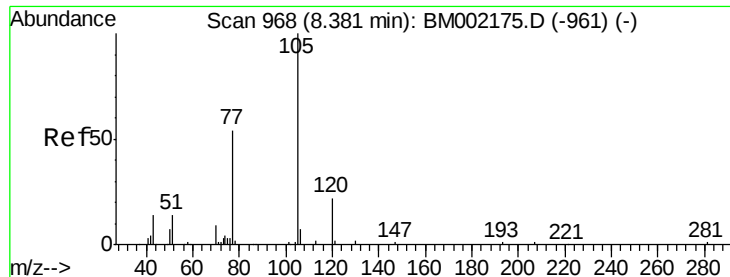
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	3923	3.19	ng/uL	0.00
5) Phenol-d5	6.74	99	110869	24.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	57048	22.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	92843	24.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	93079	25.76	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	46121	23.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	53519	24.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	101095	24.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	99608	21.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	300010	23.68	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	368295	23.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	34514	16.32	ng/ul	0.00
58) Fluorene-d10	15.22	176	257247	23.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	17569	7.13	ng/ul	0.00
71) Anthracene-d10	17.07	188	396452	22.06	ng/ul	0.00
79) Pyrene-d10	19.39	212	430755	21.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	383153	18.81	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.38	105	6168	1.08	ng/ul	91
45) Dimethylphthalate	13.69	163	84872	6.71	ng/ul	99
48) Acenaphthylene	13.95	152	197582	12.09	ng/ul	99
59) Fluorene	15.28	166	32397	2.55	ng/ul	97
70) Phenanthrene	17.02	178	541678	25.97	ng/ul	100
72) Anthracene	17.11	178	203243	9.53	ng/ul	99
77) Fluoranthene	19.05	202	2358873	97.96	ng/ul	99
80) Pyrene	19.42	202	1871942	71.17	ng/ul	99
83) Benzo(a)anthracene	21.23	228	1178138	43.97	ng/ul	94
85) Chrysene	21.23	228	1179387	47.05	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	1619167	68.56	ng/ul	98
89) Benzo(k)fluoranthene	22.73	252	1115006	48.93	ng/ul	99
91) Benzo(a)pyrene	23.29	252	971115	42.60	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.58	276	619189	23.57	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.58	278	179057	7.96	ng/ul#	81
94) Benzo(g,h,i)perylene	26.26	276	514759	23.38	ng/ul	96

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



#14

Acetophenone

Concen: 1.08 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampled :

C02L6

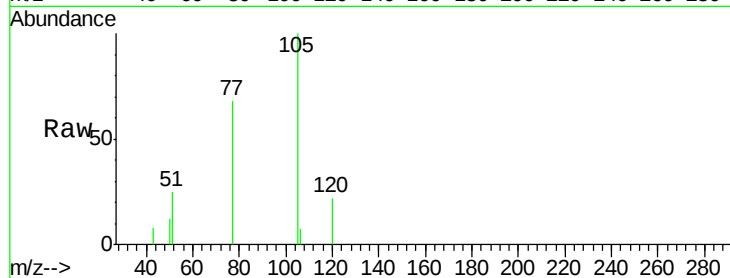
Tgt Ion:105 Resp: 6168

Ion Ratio Lower Upper

105 100

77 67.7 61.8 92.8

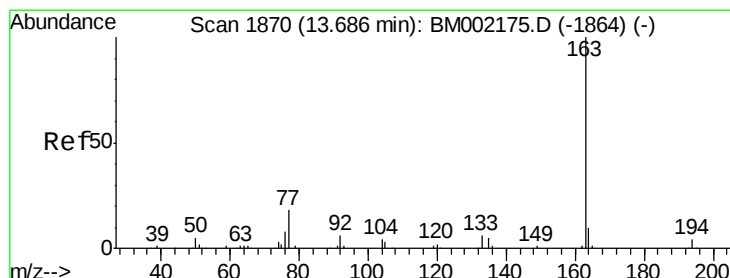
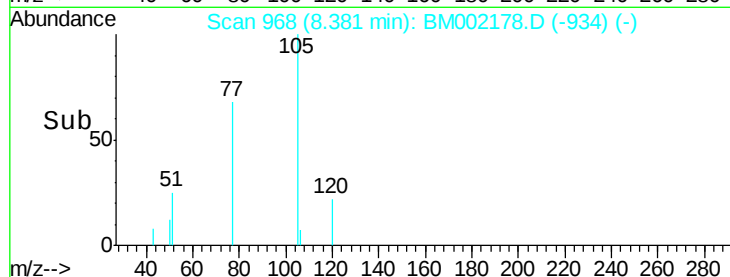
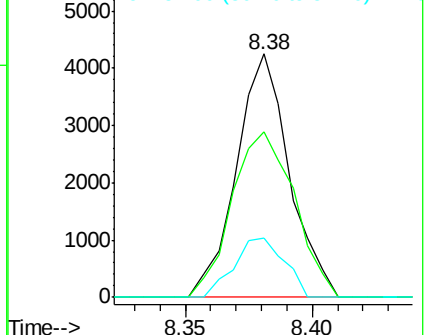
51 24.5 18.5 27.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#45

Dimethylphthalate

Concen: 6.71 ng/ul

RT: 13.69 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

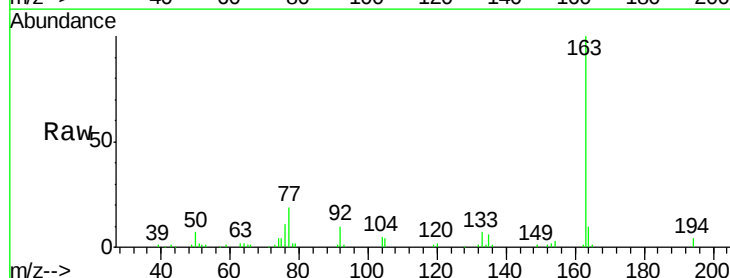
Tgt Ion:163 Resp: 84872

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

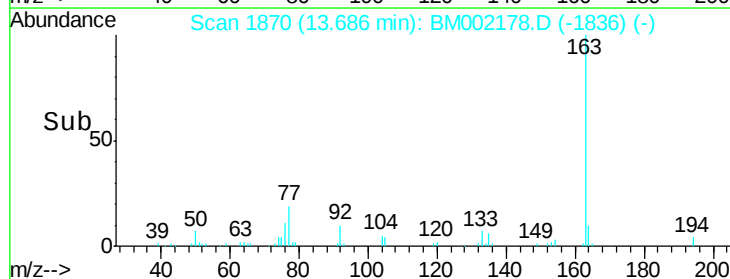
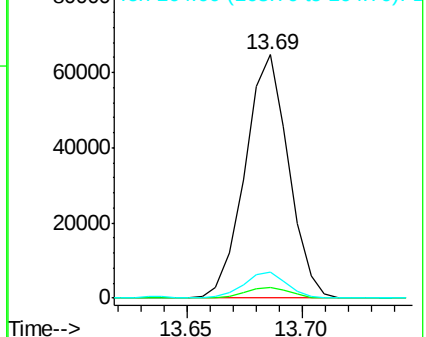
164 10.5 8.0 12.0

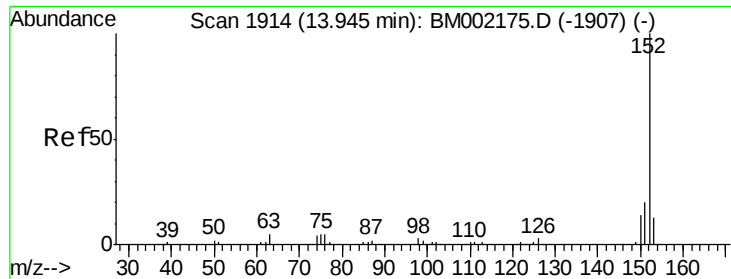


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 12.09 ng/ul

RT: 13.95 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6

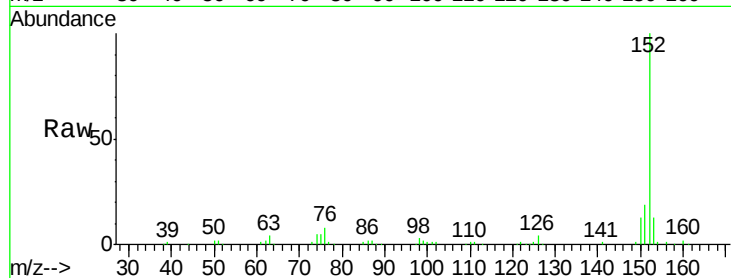
Tgt Ion:152 Resp: 197582

Ion Ratio Lower Upper

152 100

151 18.8 15.6 23.4

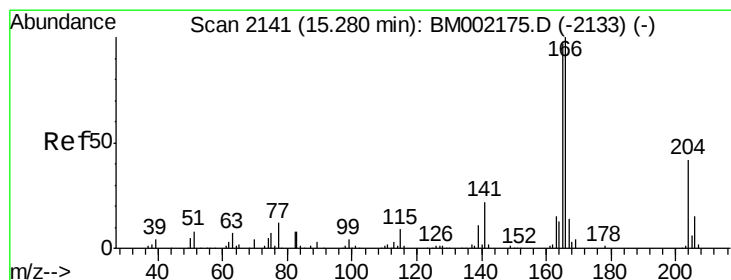
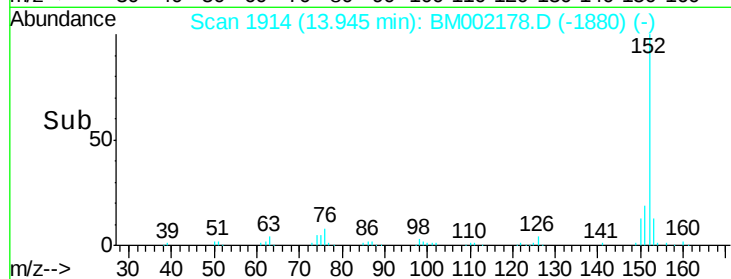
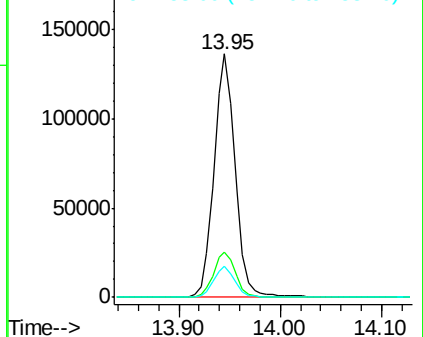
153 12.8 10.3 15.5



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



#59

Fluorene

Concen: 2.55 ng/ul

RT: 15.28 min Scan# 2141

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

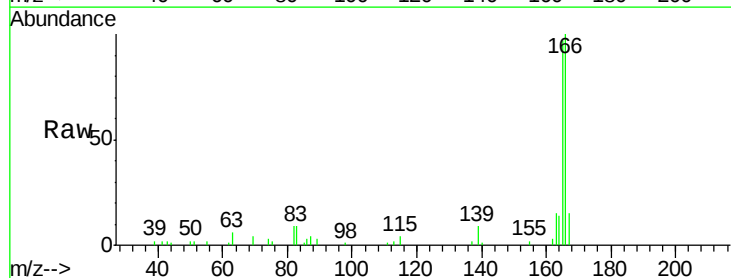
Tgt Ion:166 Resp: 32397

Ion Ratio Lower Upper

166 100

165 96.6 75.6 113.4

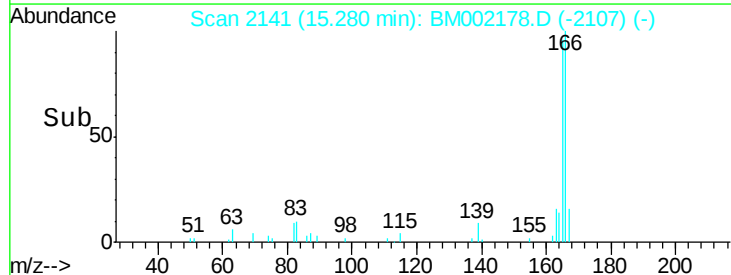
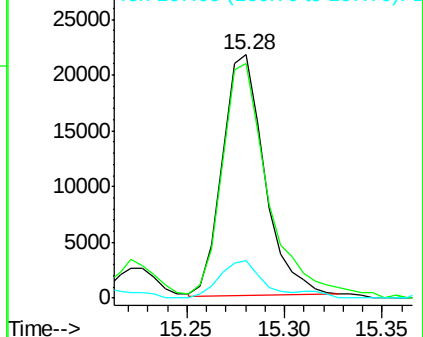
167 15.4 10.5 15.7

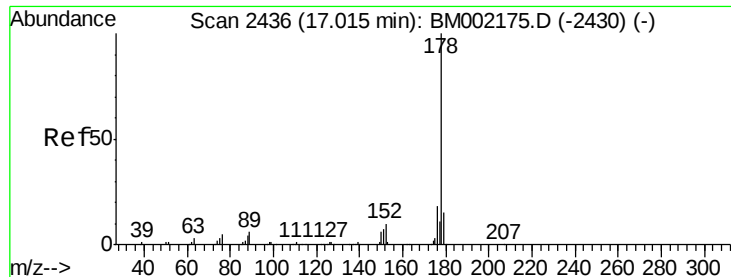


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 25.97 ng/ul

RT: 17.02 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6

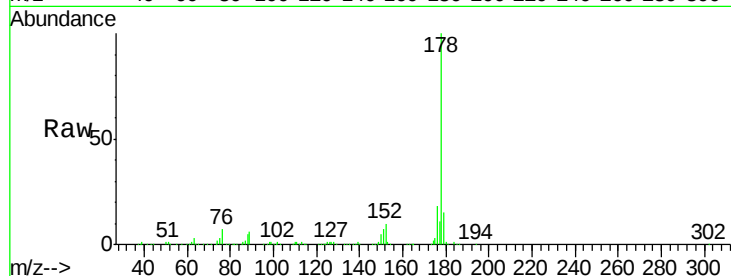
Tgt Ion:178 Resp: 541678

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

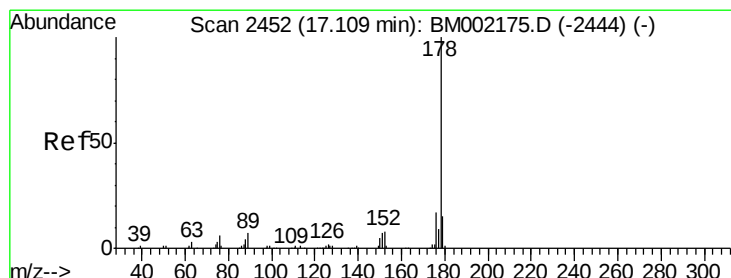
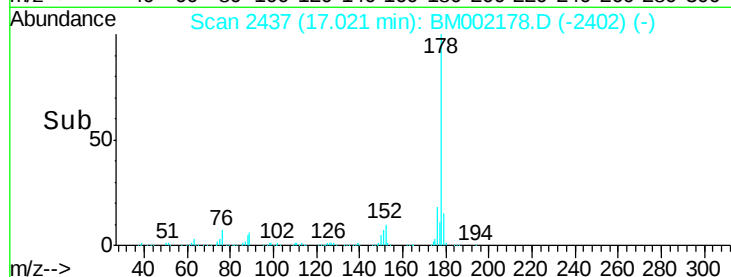
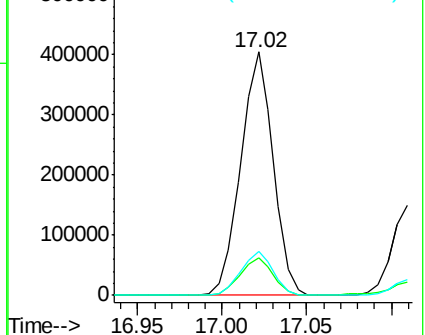
176 18.0 14.2 21.4



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



#72

Anthracene

Concen: 9.53 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

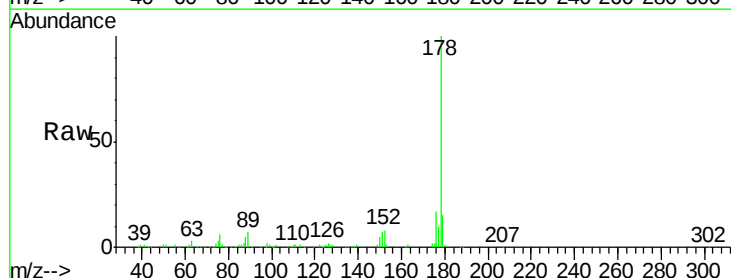
Tgt Ion:178 Resp: 203243

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

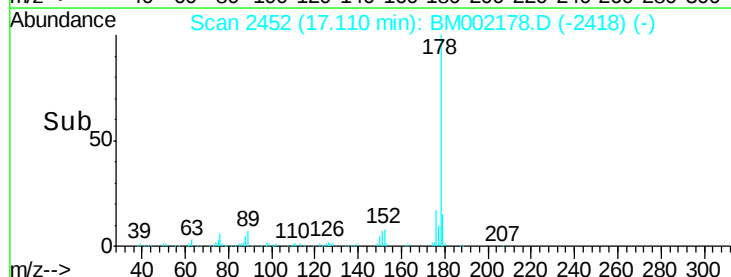
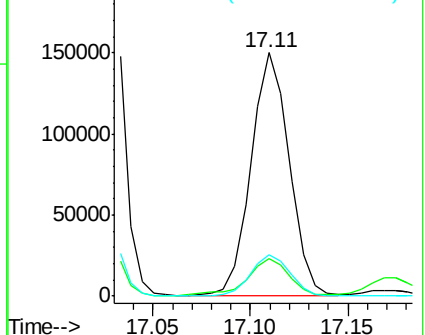
176 17.1 14.1 21.1

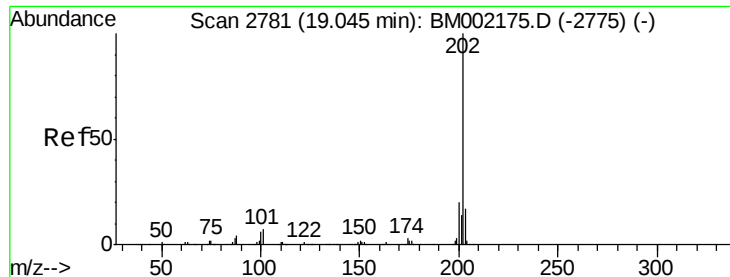


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

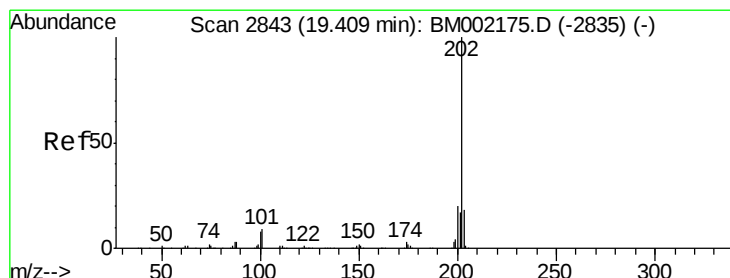
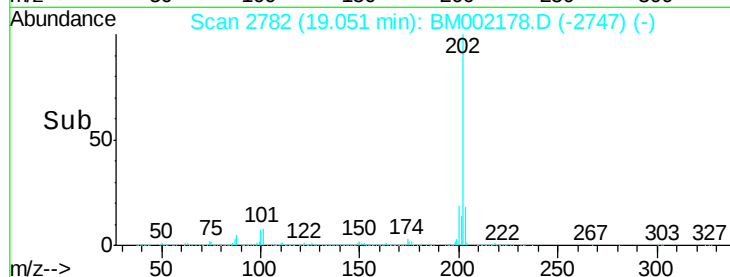
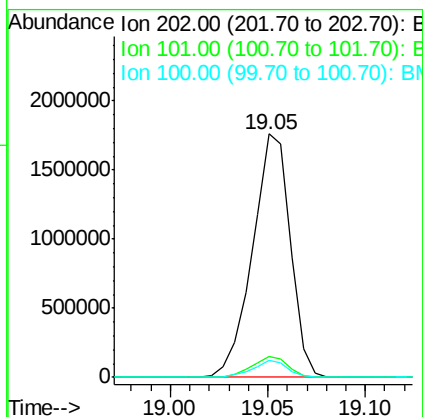
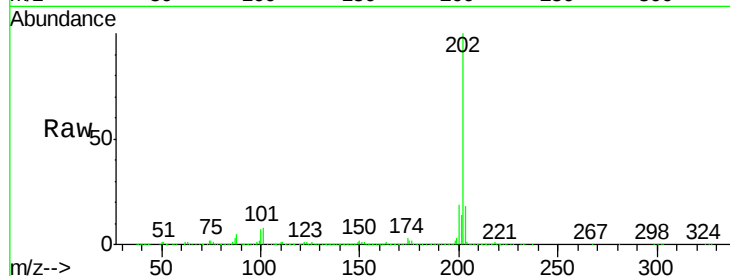




#77
Fluoranthene
 Concen: 97.96 ng/ul
 RT: 19.05 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM002178.D
 Acq: 02 Aug 2015 20:40

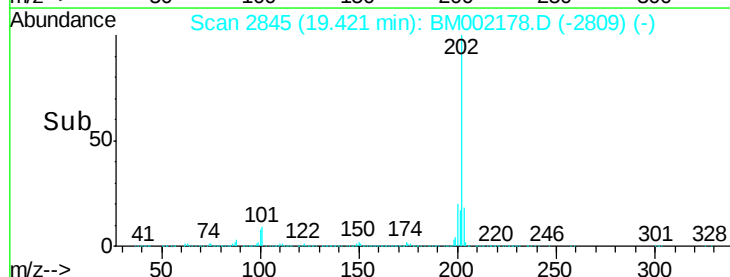
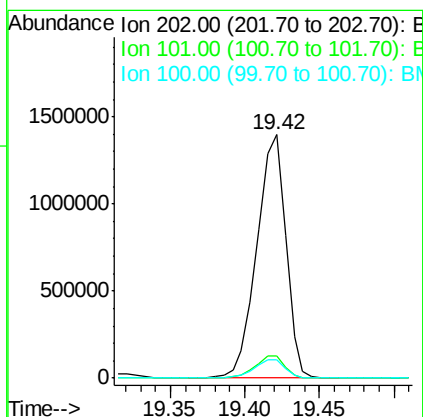
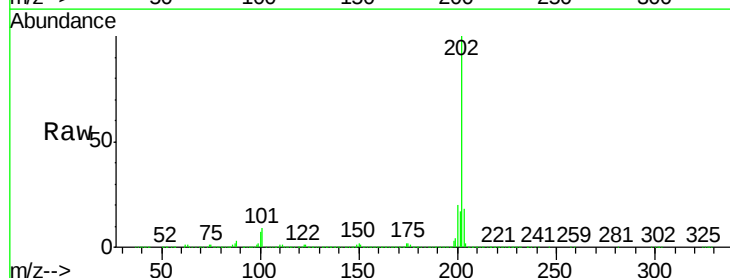
Instrument :
 BNA_M
 ClientSampleId :
 C02L6

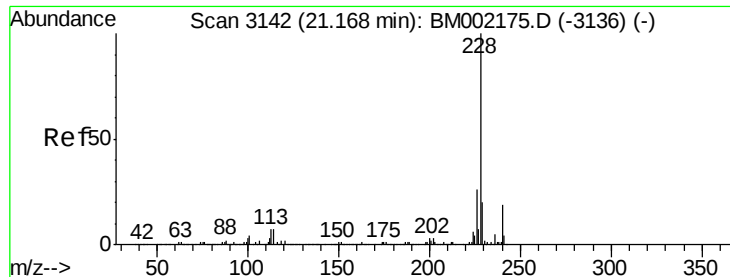
Tgt Ion:202 Resp: 2358873
 Ion Ratio Lower Upper
 202 100
 101 8.5 6.2 9.4
 100 6.8 5.2 7.8



#80
Pyrene
 Concen: 71.17 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BM002178.D
 Acq: 02 Aug 2015 20:40

Tgt Ion:202 Resp: 1871942
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.4 11.2
 100 7.4 6.3 9.5





#83

Benzo(a)anthracene

Concen: 43.97 ng/ul

RT: 21.23 min Scan# 3152

Delta R.T. 0.06 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6

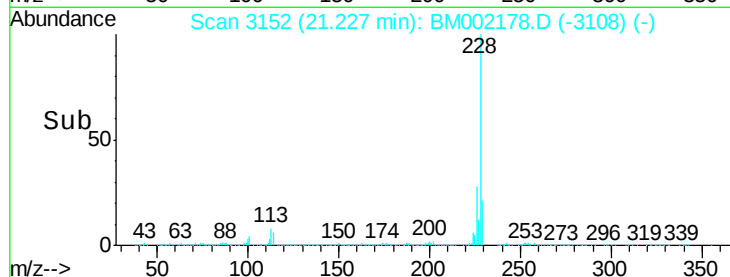
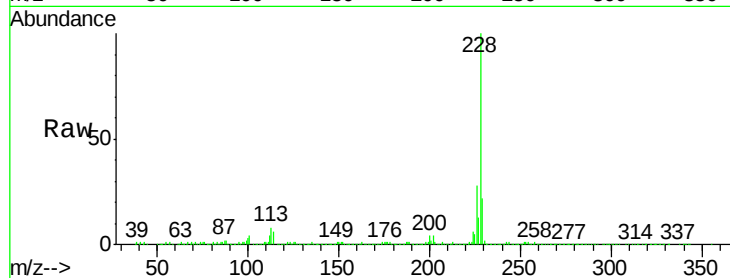
Tgt Ion:228 Resp: 1178138

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.2

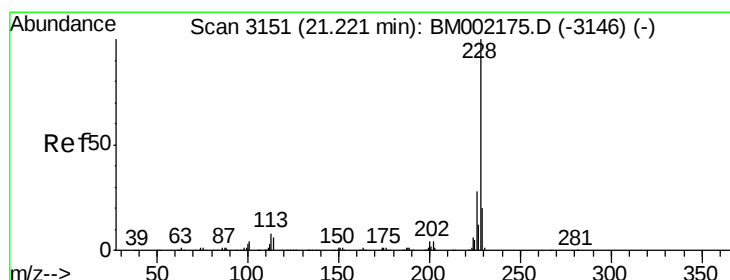
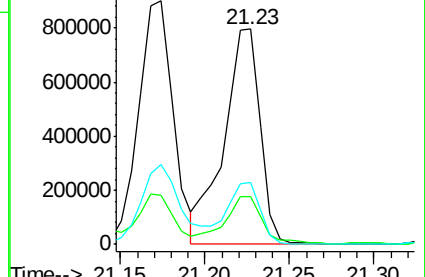
226 28.4 20.5 30.7



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



#85

Chrysene

Concen: 47.05 ng/ul

RT: 21.23 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

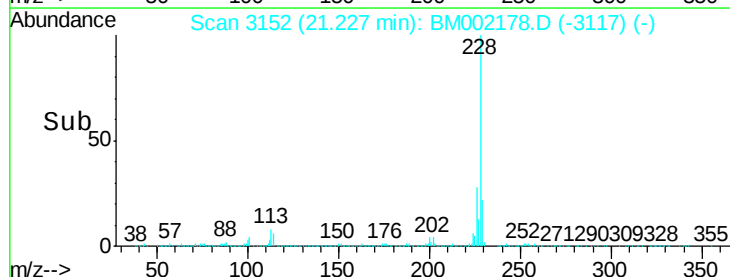
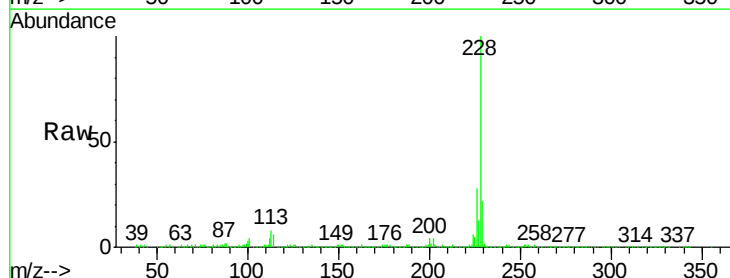
Tgt Ion:228 Resp: 1179387

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

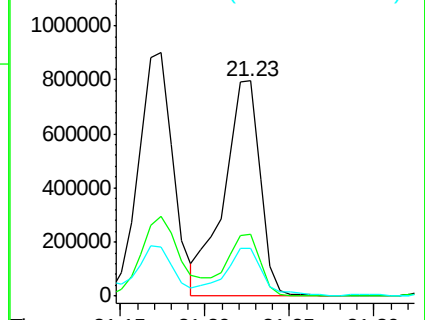
229 21.9 15.5 23.3

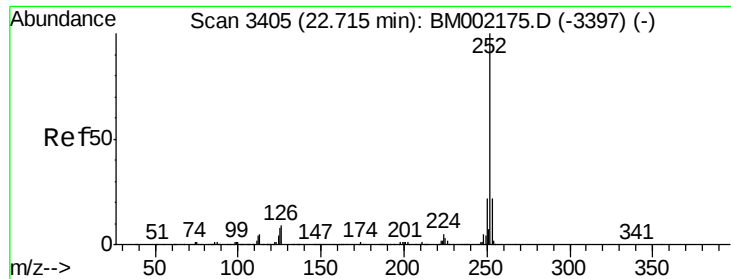


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

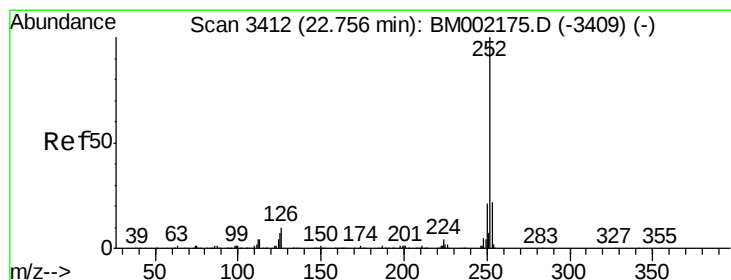
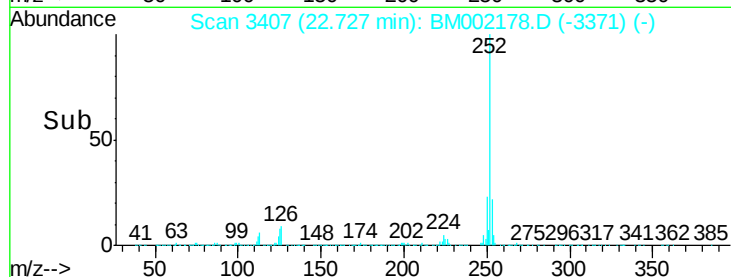
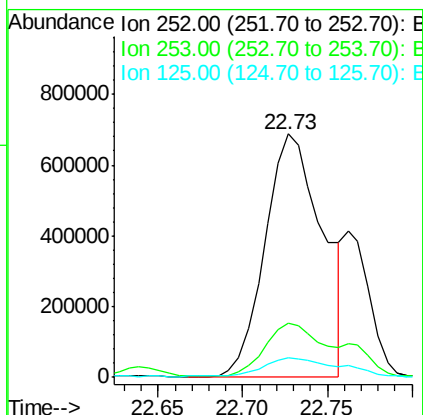
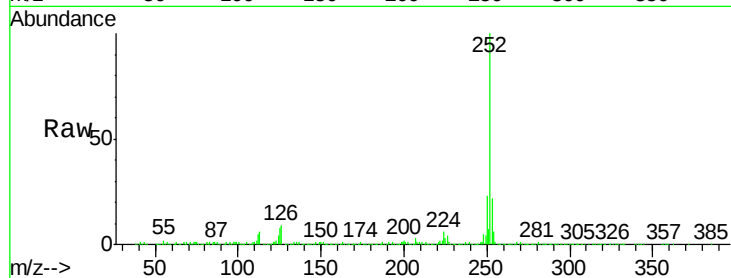




#88
Benzo(b)fluoranthene
Concen: 68.56 ng/u1
RT: 22.73 min Scan# 3407
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

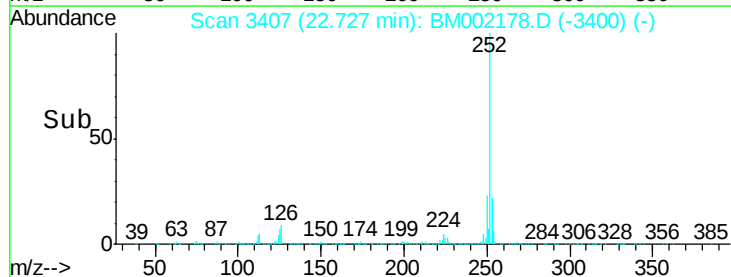
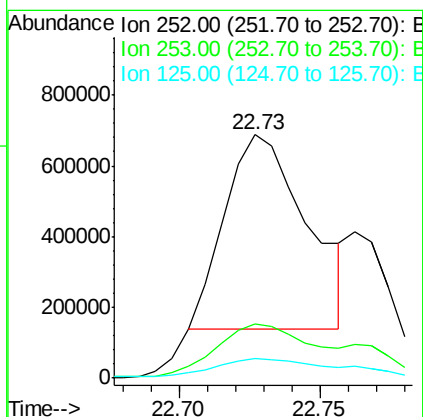
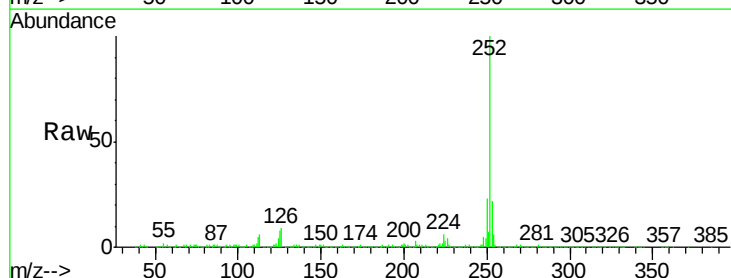
Instrument :
BNA_M
ClientSampleId :
C02L6

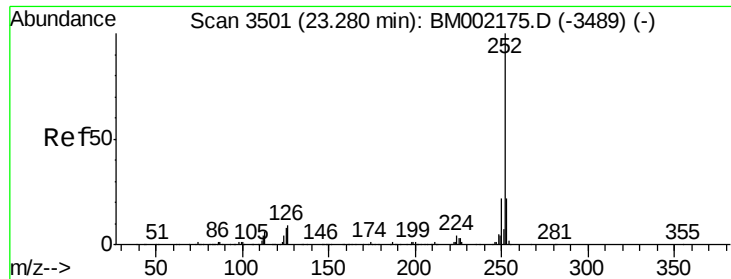
Tgt Ion:252 Resp: 1619167
Ion Ratio Lower Upper
252 100
253 22.2 16.9 25.3
125 7.9 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 48.93 ng/u1
RT: 22.73 min Scan# 3407
Delta R.T. -0.03 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion:252 Resp: 1115006
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 7.9 6.2 9.4





#91

Benzo(a)pyrene

Concen: 42.60 ng/ul

RT: 23.29 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6

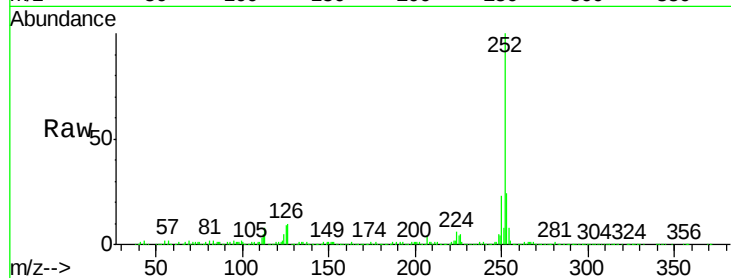
Tgt Ion:252 Resp: 971115

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

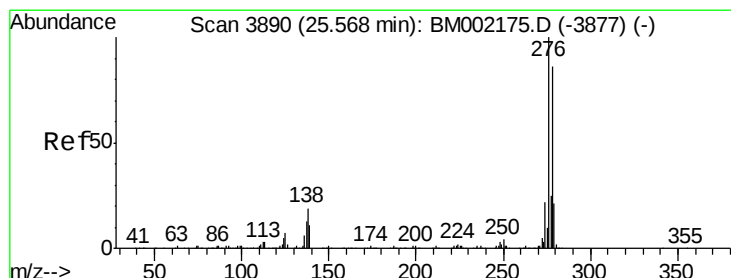
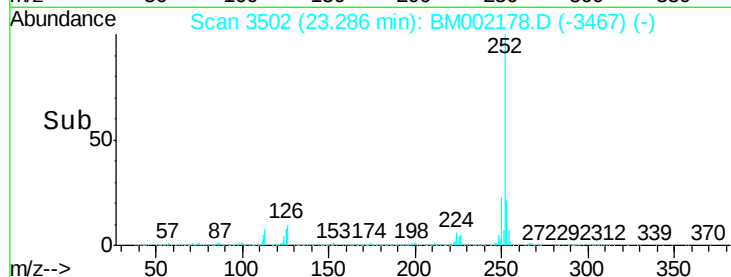
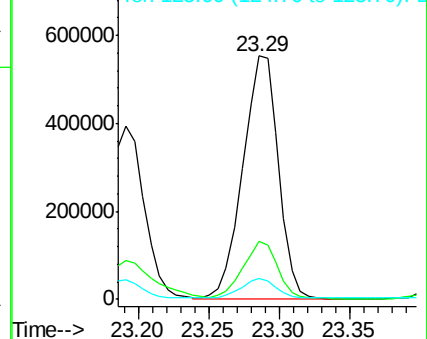
125 8.6 6.6 10.0



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 23.57 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.01 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

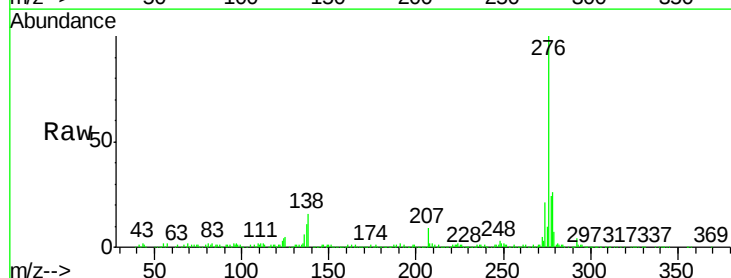
Tgt Ion:276 Resp: 619189

Ion Ratio Lower Upper

276 100

138 15.8 16.2 24.2#

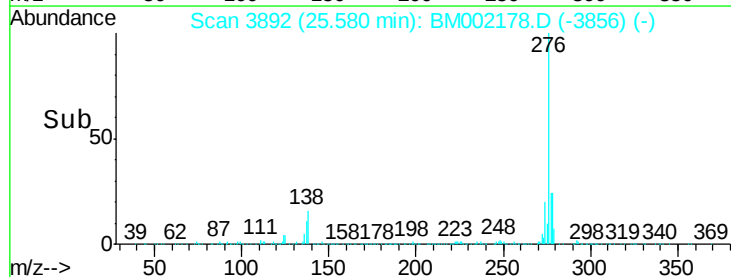
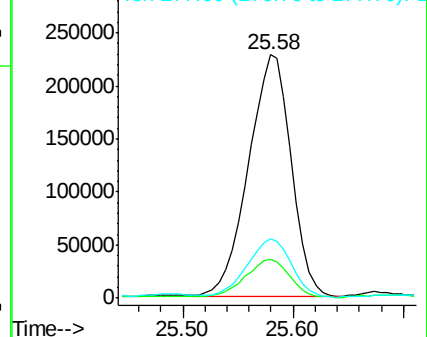
277 24.2 19.8 29.8

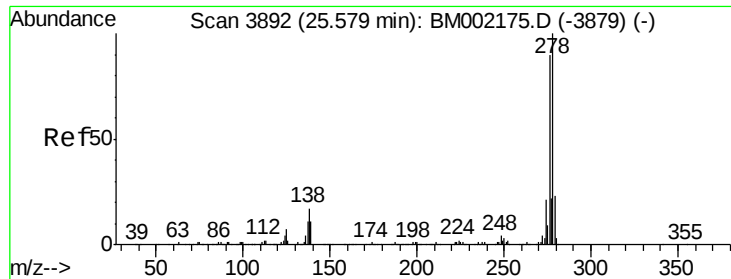


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 7.96 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6

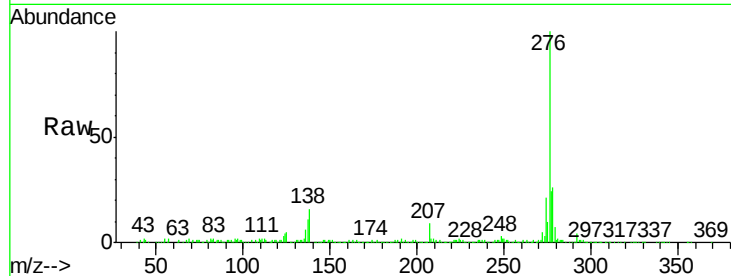
Tgt Ion:278 Resp: 179057

Ion Ratio Lower Upper

278 100

139 0.0 10.6 16.0#

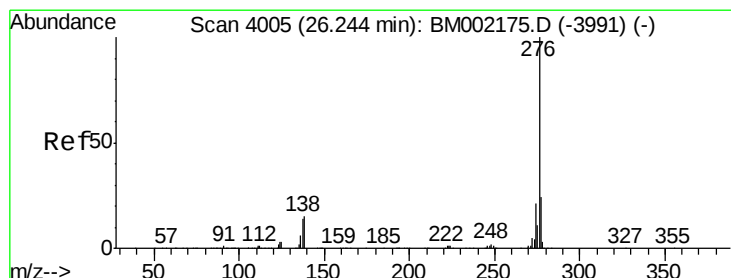
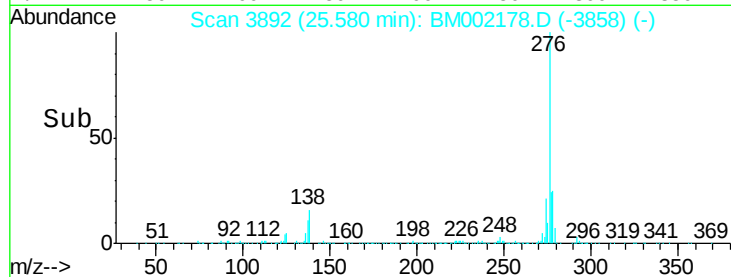
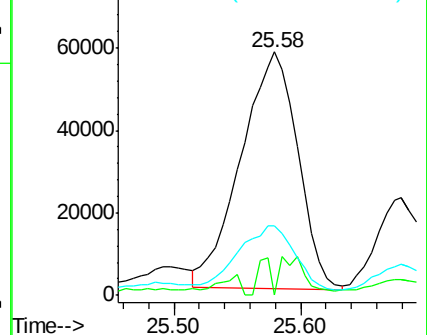
279 28.6 18.5 27.7#



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



#94

Benzo(g,h,i)perylene

Concen: 23.38 ng/ul

RT: 26.26 min Scan# 4008

Delta R.T. 0.02 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

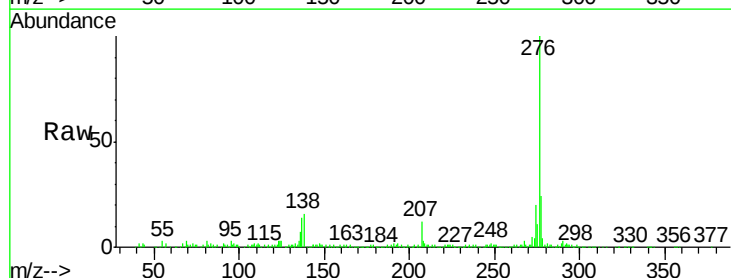
Tgt Ion:276 Resp: 514759

Ion Ratio Lower Upper

276 100

138 15.7 13.8 20.6

277 24.5 18.2 27.2



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

