

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002197.D
 Acq On : 03 Aug 2015 14:53
 Operator : TP/UM
 Sample : G3073-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L3

Quant Time: Aug 04 02:35:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	92651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	384438	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	229350	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	465313	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	444164	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	473512	20.00	ng/ul	0.02

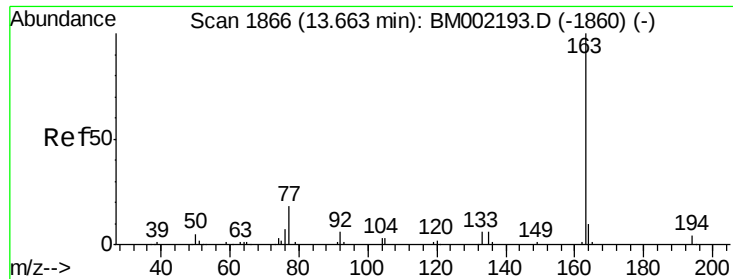
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	6048	3.38	ng/uL	0.00
5) Phenol-d5	6.72	99	156858	23.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	80703	22.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	132951	23.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	133788	25.41	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	66076	24.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	76993	25.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	144849	24.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	131928	20.53	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	411356	24.49	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	492725	23.46	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	42593	15.19	ng/ul	0.00
58) Fluorene-d10	15.20	176	331981	22.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	27093	9.52	ng/ul	0.00
71) Anthracene-d10	17.06	188	456524	21.98	ng/ul	0.00
79) Pyrene-d10	19.37	212	412511	22.06	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	428115	18.65	ng/ul	0.02

Target Compounds

						Qvalue
45) Dimethylphthalate	13.67	163	118100	7.04	ng/ul	100
48) Acenaphthylene	13.93	152	201710	9.31	ng/ul	99
59) Fluorene	15.26	166	43408	2.58	ng/ul	96
70) Phenanthrene	17.00	178	631968	26.22	ng/ul	99
72) Anthracene	17.09	178	242675	9.85	ng/ul	98
77) Fluoranthene	19.04	202	2306225	82.87	ng/ul	99
80) Pyrene	19.40	202	1785372	73.87	ng/ul	99
83) Benzo(a)anthracene	21.16	228	1164618	47.30	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.08	149	15517	1.10	ng/ul	94
85) Chrysene	21.22	228	1120225	48.63	ng/ul	96
88) Benzo(b)fluoranthene	22.72	252	1659918	62.39	ng/ul	98
89) Benzo(k)fluoranthene	22.72	252	927141	36.11	ng/ul	99
91) Benzo(a)pyrene	23.28	252	1093026	42.56	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.57	276	794935	26.86	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.57	278	224830	8.88	ng/ul#	91
94) Benzo(g,h,i)perylene	26.25	276	661735	26.67	ng/ul	97

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



#45

Dimethylphthalate

Concen: 7.04 ng/ul

RT: 13.67 min Scan# 1867

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

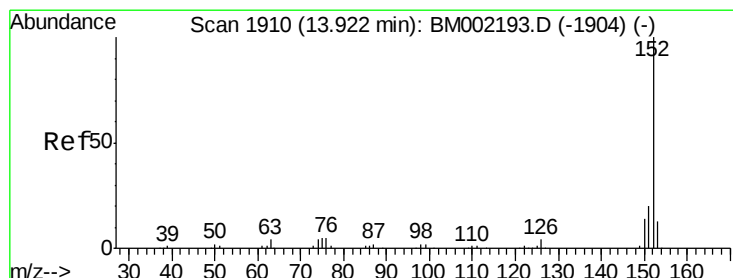
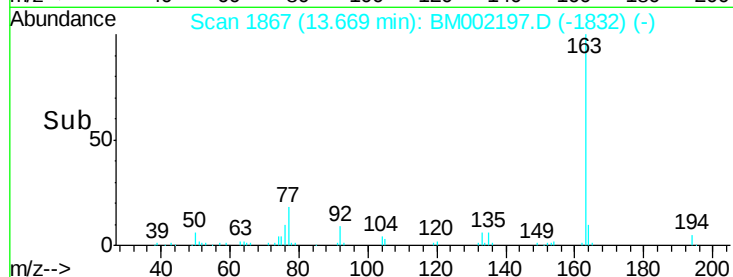
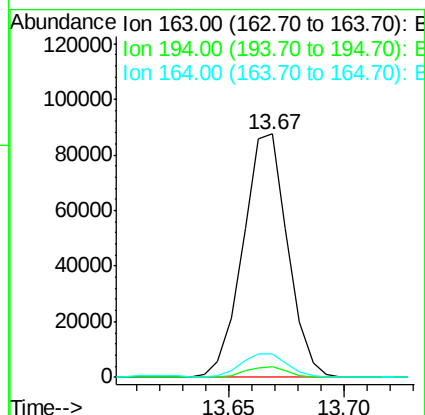
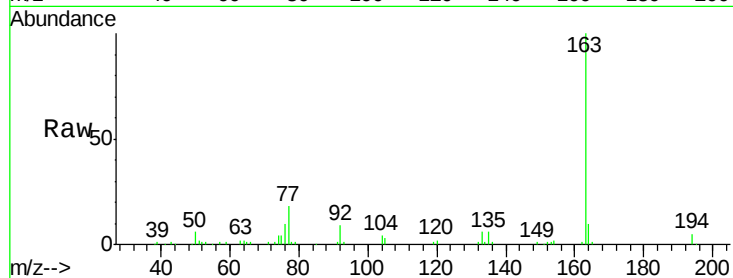
Instrument :

BNA_M

ClientSampleId :

C01L3

Tgt Ion:	163	Resp:	118100
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	9.9	8.0	12.0



#48

Acenaphthylene

Concen: 9.31 ng/ul

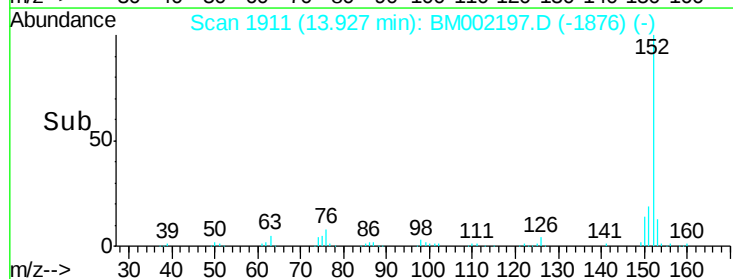
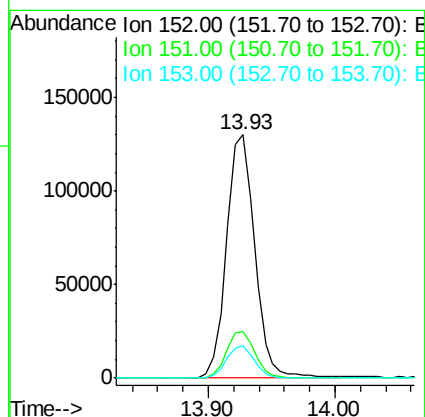
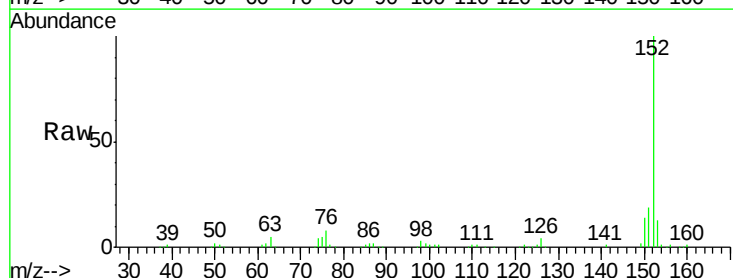
RT: 13.93 min Scan# 1911

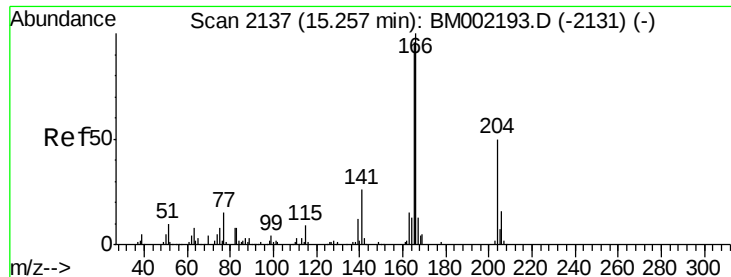
Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Tgt Ion:	152	Resp:	201710
Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.6	23.4
153	13.1	10.3	15.5





#59

Fluorene

Concen: 2.58 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampleId :

C01L3

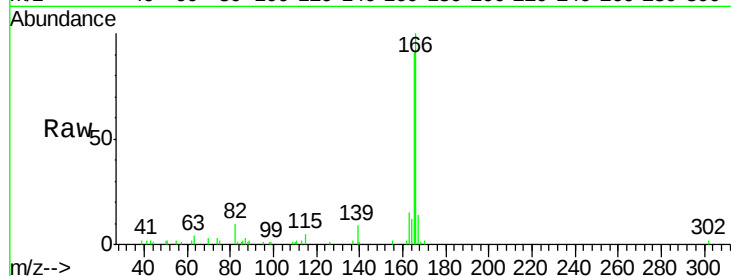
Tgt Ion:166 Resp: 43408

Ion Ratio Lower Upper

166 100

165 90.7 75.6 113.4

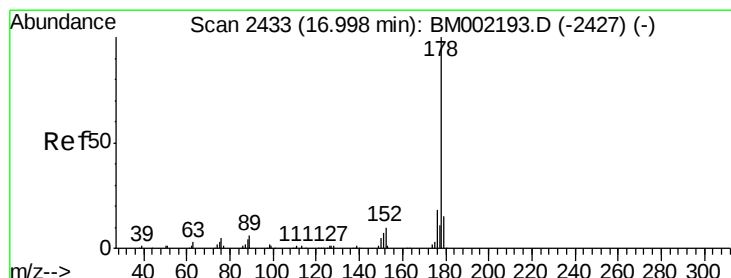
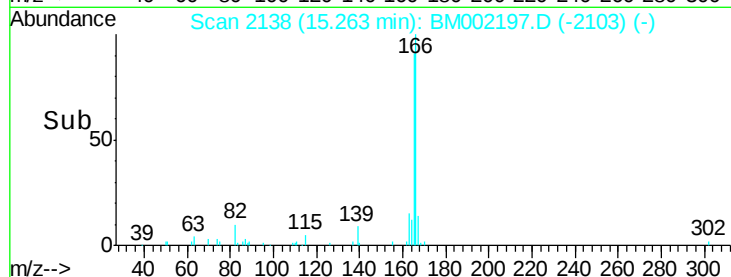
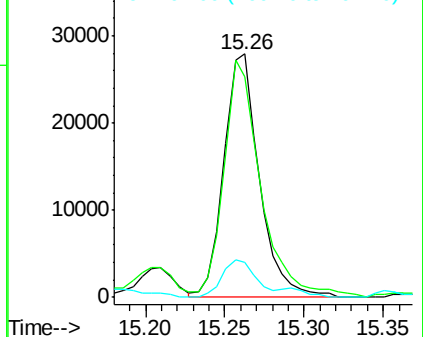
167 14.2 10.5 15.7



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: 26.22 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

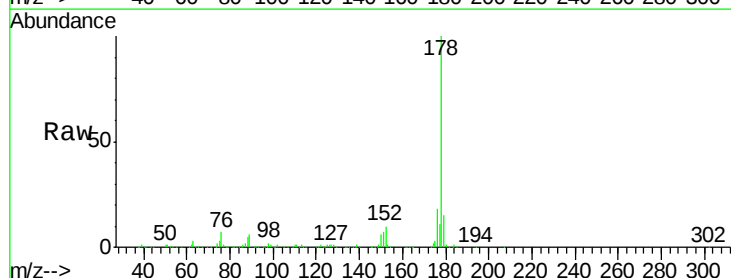
Tgt Ion:178 Resp: 631968

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

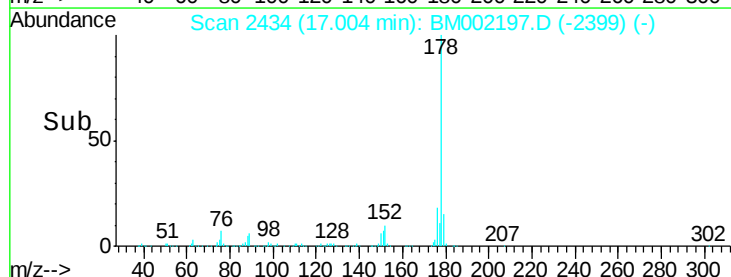
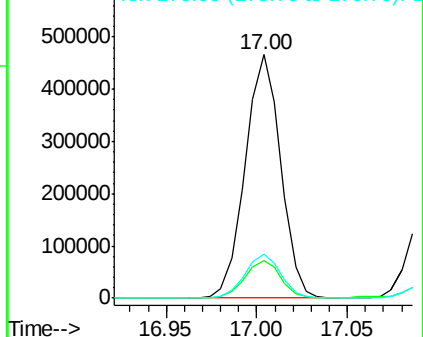
176 18.2 14.2 21.4

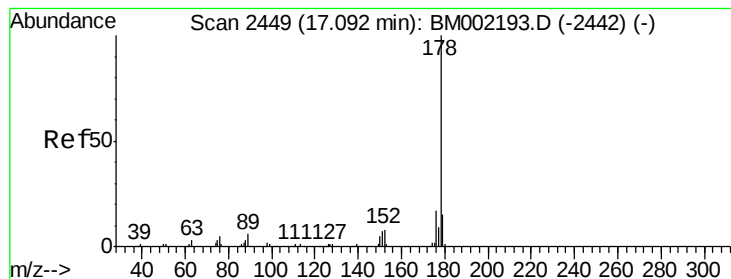


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 9.85 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampleId :

C01L3

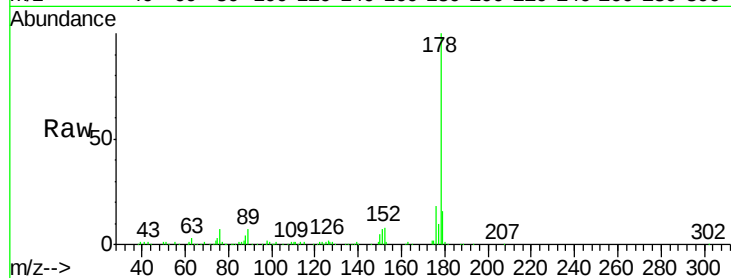
Tgt Ion:178 Resp: 242675

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

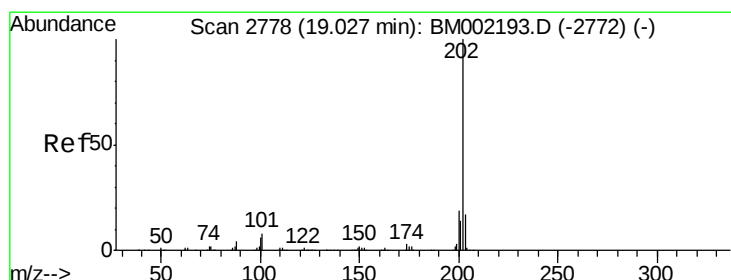
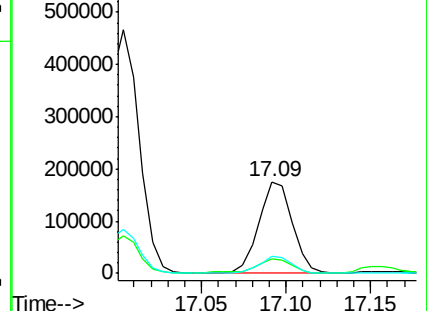
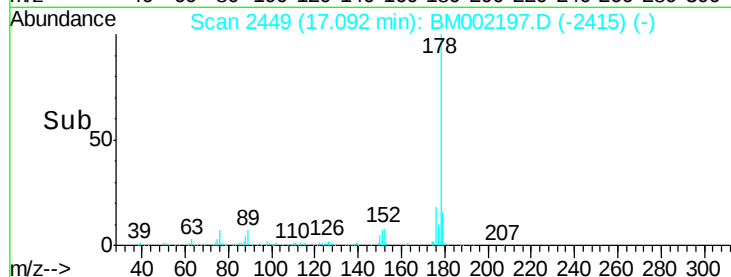
176 18.2 14.1 21.1



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: 82.87 ng/ul

RT: 19.04 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

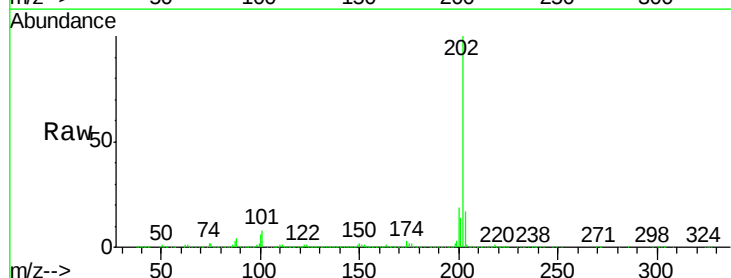
Tgt Ion:202 Resp: 2306225

Ion Ratio Lower Upper

202 100

101 8.4 6.2 9.4

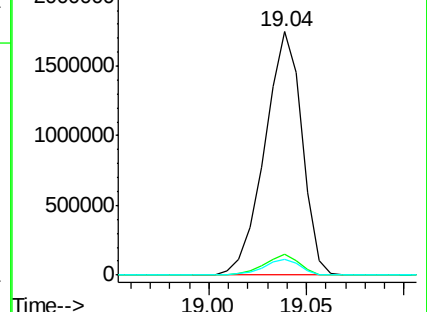
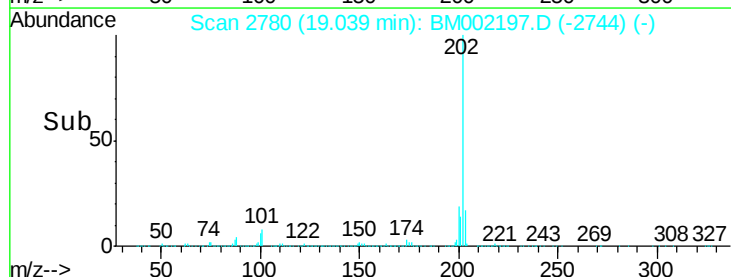
100 6.3 5.2 7.8

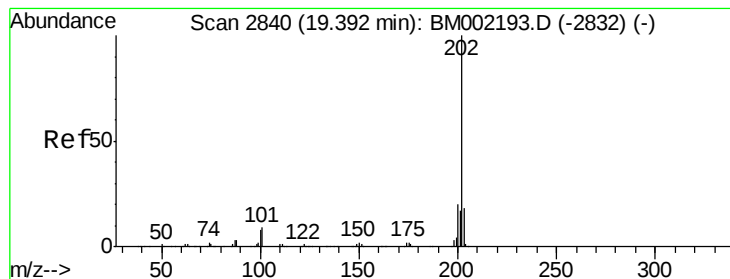


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pyrene

Concen: 73.87 ng/ul

RT: 19.40 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampleId :

C01L3

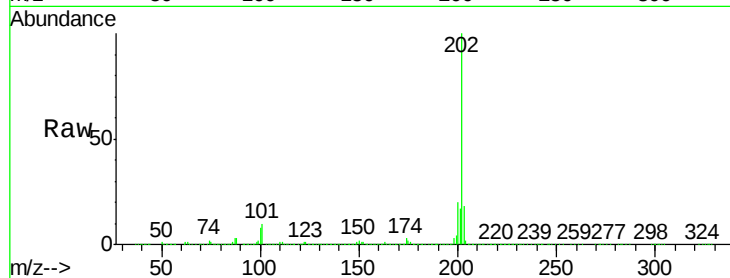
Tgt Ion:202 Resp: 1785372

Ion Ratio Lower Upper

202 100

101 9.6 7.4 11.2

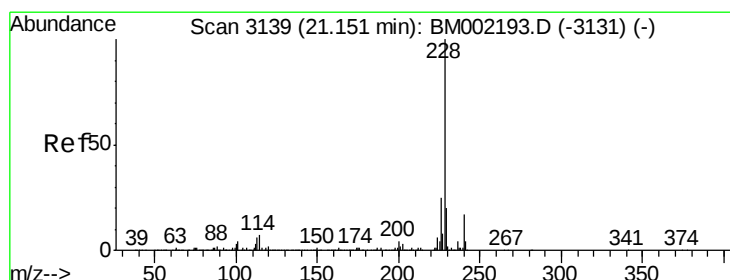
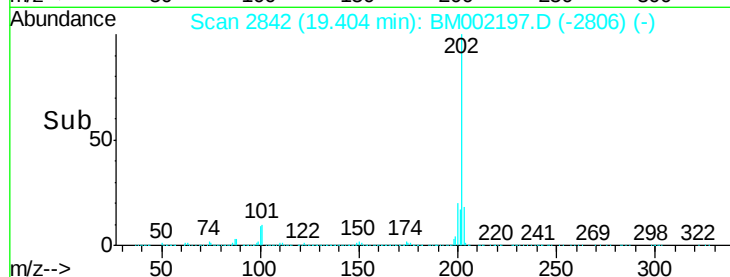
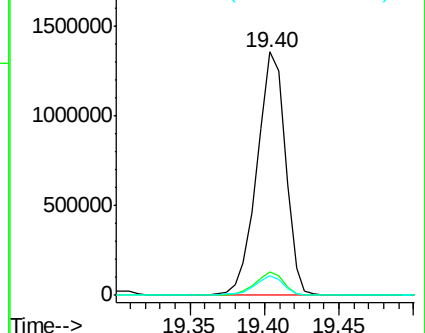
100 8.2 6.3 9.5



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



#83

Benzo(a)anthracene

Concen: 47.30 ng/ul

RT: 21.16 min Scan# 3141

Delta R.T. 0.01 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

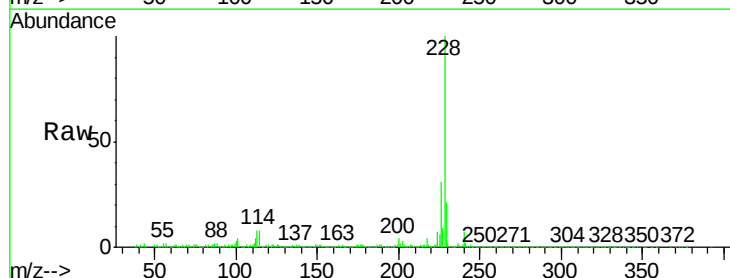
Tgt Ion:228 Resp: 1164618

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.2

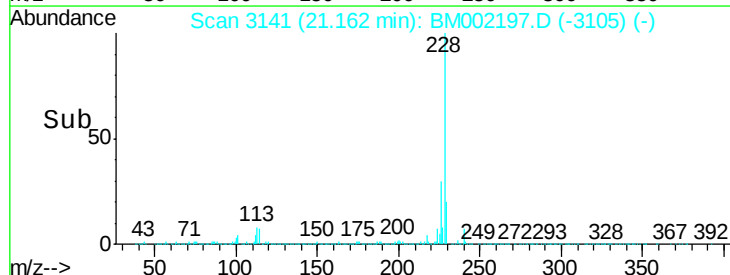
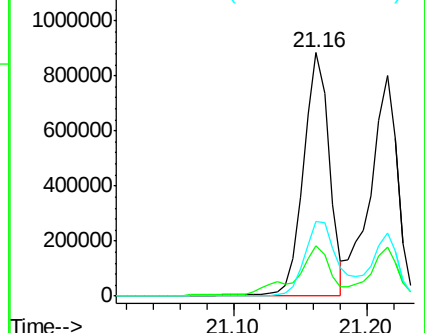
226 30.6 20.5 30.7

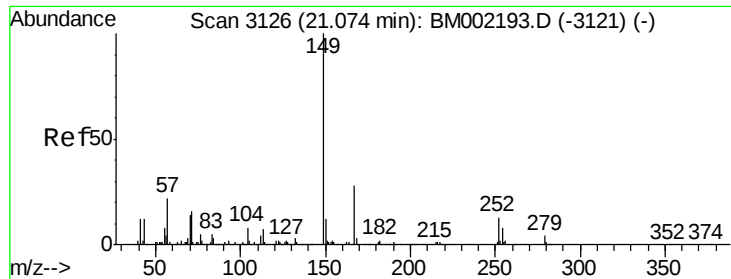


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

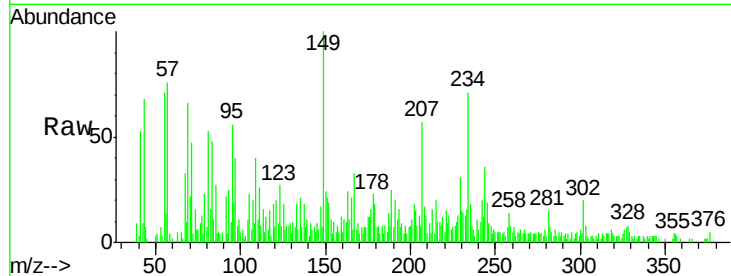




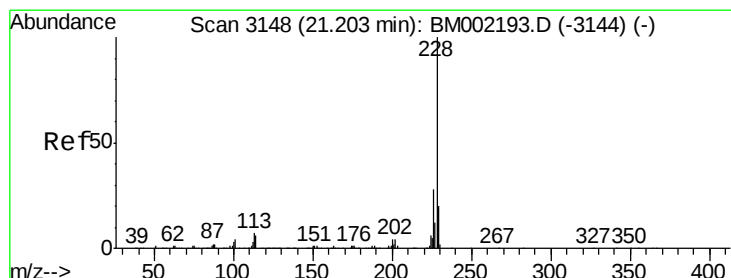
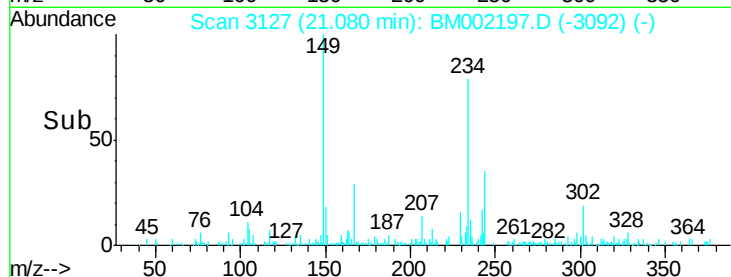
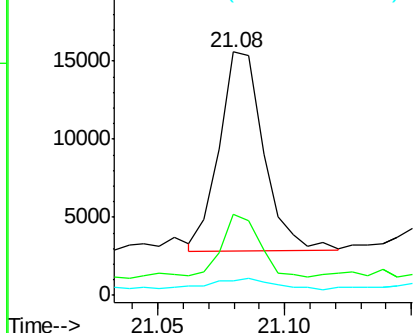
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.10 ng/ul
 RT: 21.08 min Scan# 3127
 Delta R.T. 0.01 min
 Lab File: BM002197.D
 Acq: 03 Aug 2015 14:53

Instrument :
 BNA_M
 ClientSampleId :
 C01L3

Tgt Ion:149 Resp: 15517
 Ion Ratio Lower Upper
 149 100
 167 33.2 23.6 35.4
 279 5.9 4.2 6.4

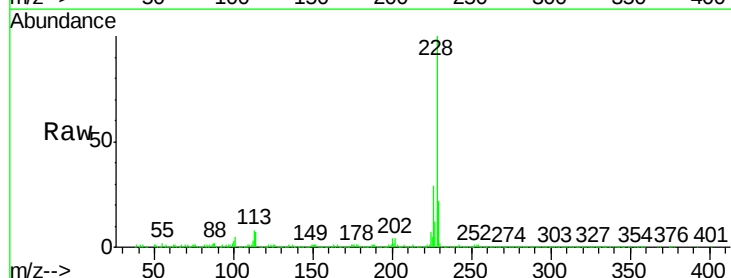


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

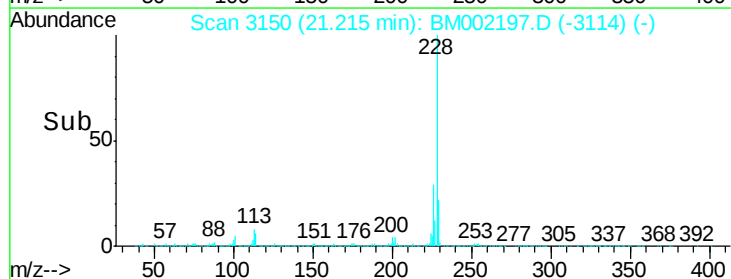
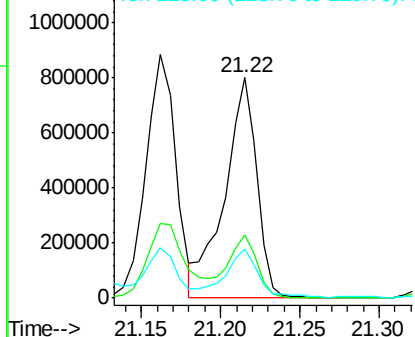


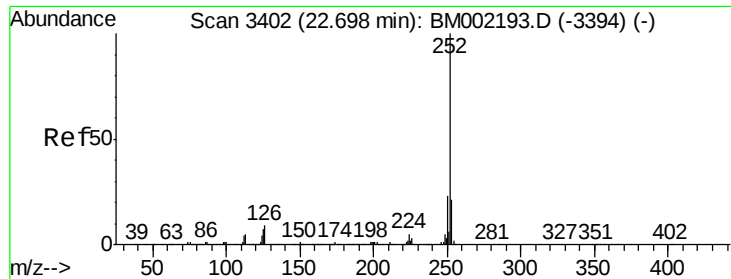
#85
 Chrysene
 Concen: 48.63 ng/ul
 RT: 21.22 min Scan# 3150
 Delta R.T. 0.01 min
 Lab File: BM002197.D
 Acq: 03 Aug 2015 14:53

Tgt Ion:228 Resp: 1120225
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 22.1 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: 62.39 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. 0.02 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampled :

C01L3

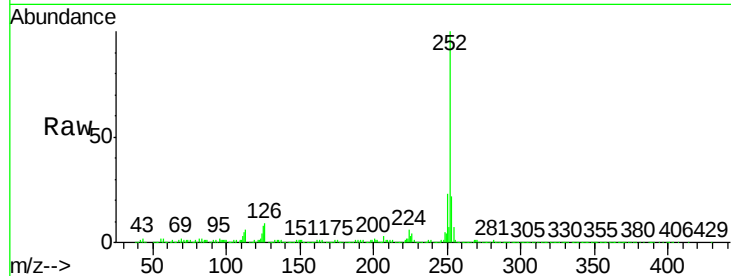
Tgt Ion:252 Resp: 1659918

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

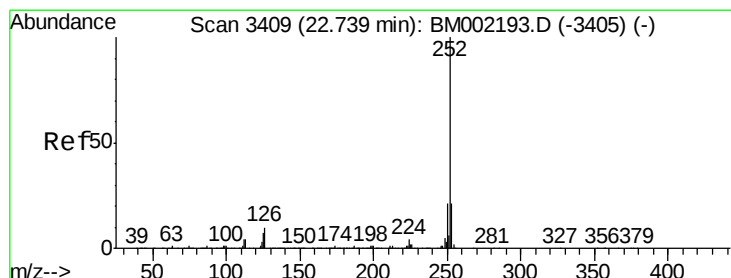
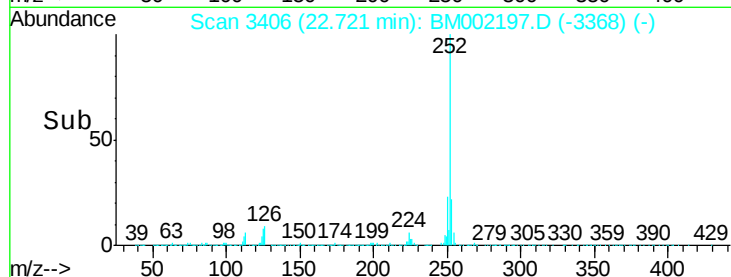
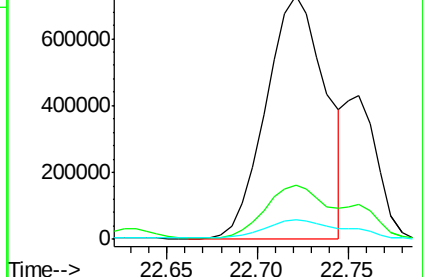
125 8.0 6.2 9.2



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

Benzo(k)fluoranthene

Concen: 36.11 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. -0.02 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

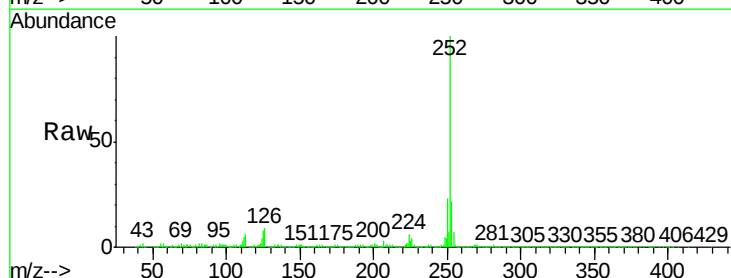
Tgt Ion:252 Resp: 927141

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

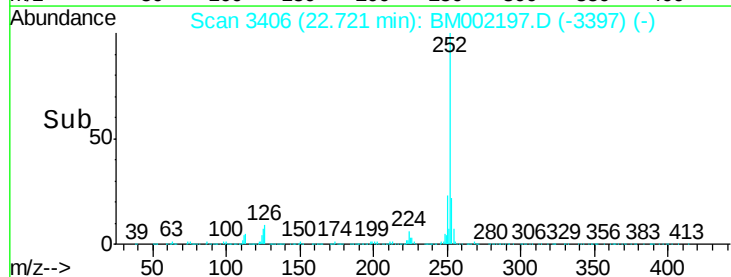
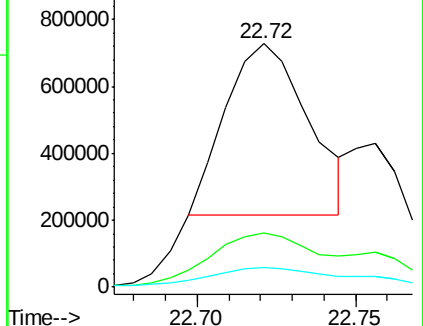
125 8.0 6.2 9.4

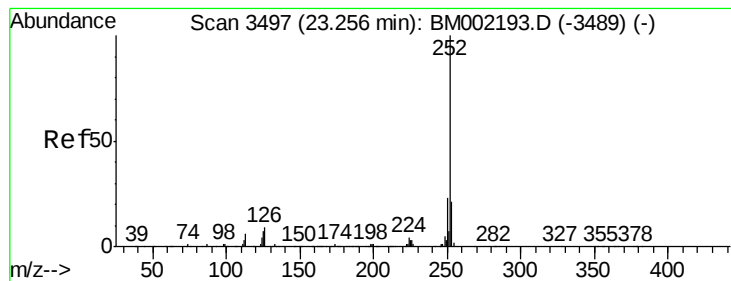


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 42.56 ng/ul

RT: 23.28 min Scan# 3501

Delta R.T. 0.02 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampleId :

C01L3

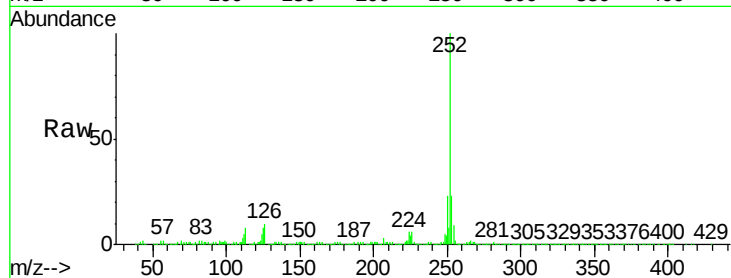
Tgt Ion:252 Resp: 1093026

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

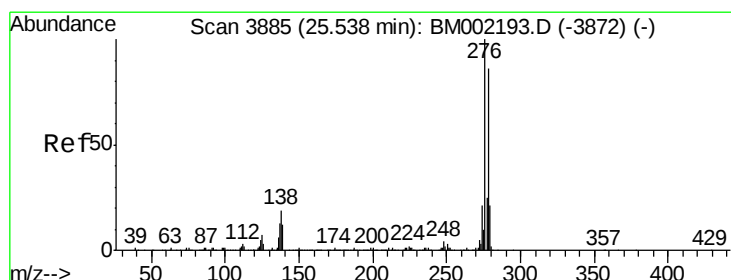
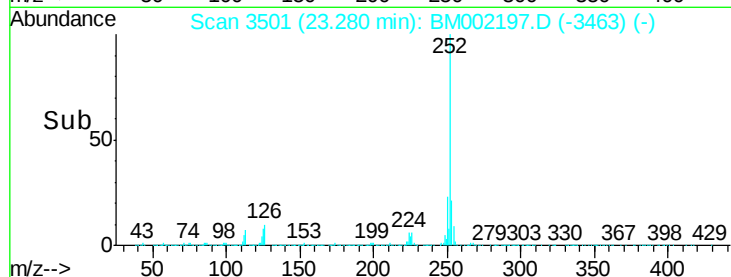
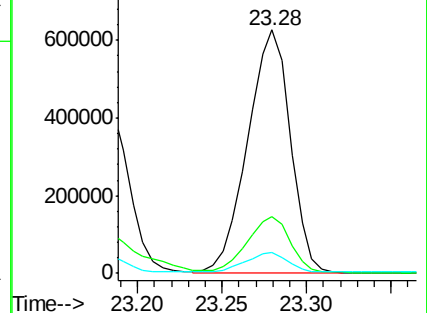
125 8.3 6.6 10.0



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: 26.86 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. 0.04 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

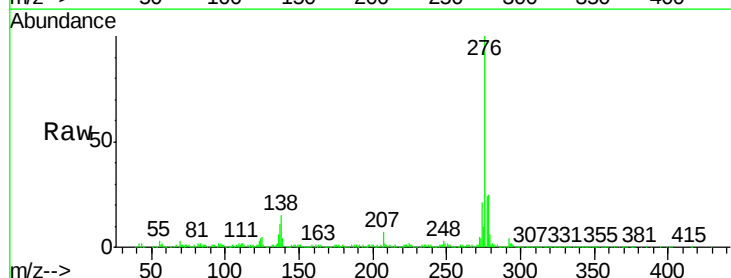
Tgt Ion:276 Resp: 794935

Ion Ratio Lower Upper

276 100

138 15.2 16.2 24.2#

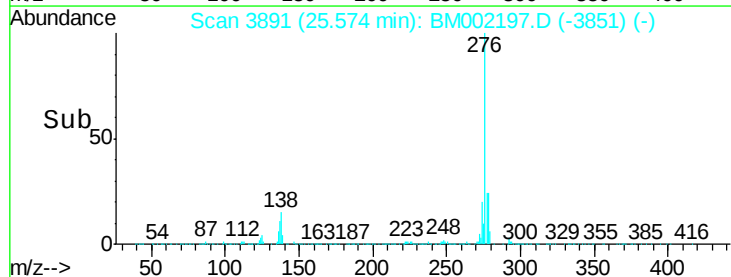
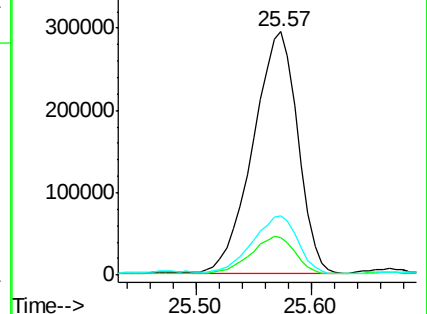
277 24.5 19.8 29.8

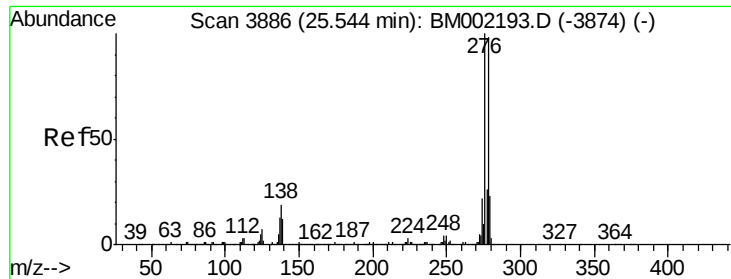


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 8.88 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.02 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

Instrument :

BNA_M

ClientSampleId :

C01L3

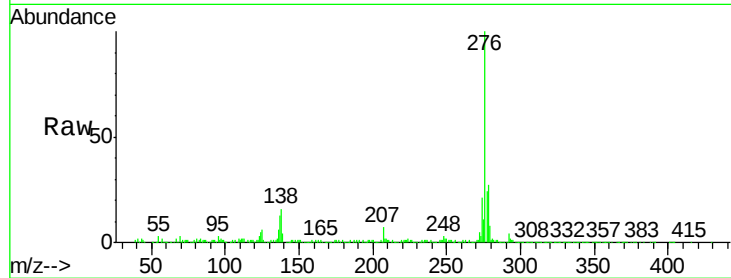
Tgt Ion: 278 Resp: 224830

Ion Ratio Lower Upper

278 100

139 15.8 10.6 16.0

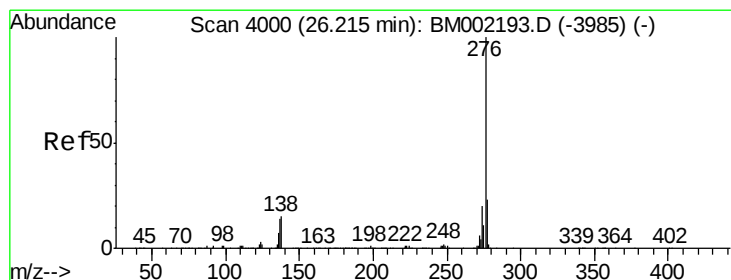
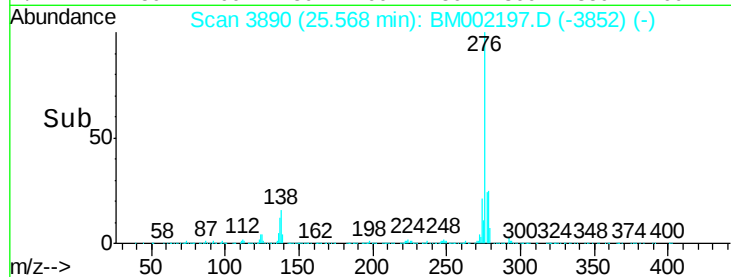
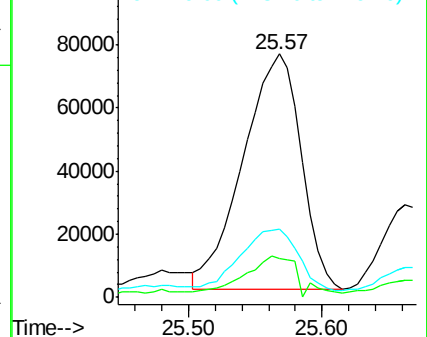
279 28.1 18.5 27.7#



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: 26.67 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.04 min

Lab File: BM002197.D

Acq: 03 Aug 2015 14:53

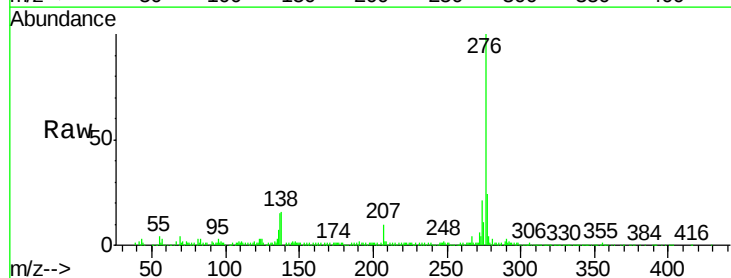
Tgt Ion: 276 Resp: 661735

Ion Ratio Lower Upper

276 100

138 15.9 13.8 20.6

277 24.0 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

