

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002225.D
 Acq On : 05 Aug 2015 00:31
 Operator : TP/UM
 Sample : G3095-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01R4RE

Quant Time: Aug 05 04:42:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	155055	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	596533	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	335662	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	732031	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	919509	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	964242	20.00	ng/ul	0.03

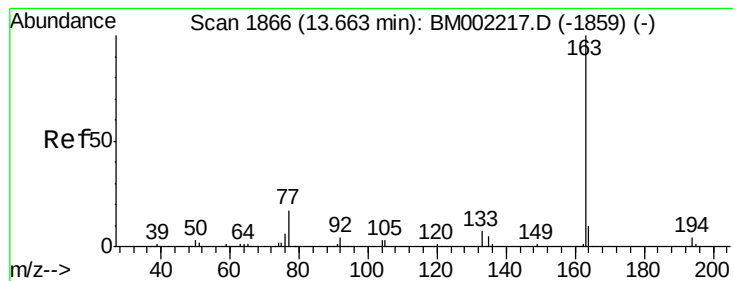
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	2543	0.93	ng/uL	0.00
5) Phenol-d5	6.72	99	55075	4.78	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	36162	6.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	49663	5.05	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	37888	3.96	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	26513	6.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	27217	5.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	42437	4.35	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	20667	1.91	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	150466	6.16	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	192983	6.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	7040	2.23	ng/ul	0.02
58) Fluorene-d10	15.20	176	136355	6.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	1401	0.33	ng/ul	0.01
71) Anthracene-d10	17.06	188	198983	6.11	ng/ul	0.00
79) Pyrene-d10	19.37	212	228114	5.18	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	271373	5.80	ng/ul	0.02

Target Compounds

						Qvalue
45) Dimethylphthalate	13.66	163	61511	2.53	ng/ul	99
70) Phenanthrene	17.00	178	261920	6.97	ng/ul	99
72) Anthracene	17.09	178	85720	2.23	ng/ul	97
76) Di-n-butylphthalate	17.93	149	65247	1.72	ng/ul	97
77) Fluoranthene	19.03	202	547223	13.30	ng/ul	99
80) Pyrene	19.40	202	514243	9.10	ng/ul	100
81) Butylbenzylphthalate	20.30	149	410954	20.16	ng/ul	98
83) Benzo(a)anthracene	21.16	228	340912	6.62	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.08	149	498373	17.19	ng/ul	98
85) Chrysene	21.21	228	348147	7.34	ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	599328	11.03	ng/ul#	92
89) Benzo(k)fluoranthene	22.71	252	131870	2.51	ng/ul#	92
91) Benzo(a)pyrene	23.27	252	362414	6.98	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.58	276	307752	5.26	ng/ul	99
93) Dibenzo(a,h)anthracene	25.57	278	81868	1.64	ng/ul#	78
94) Benzo(g,h,i)perylene	26.26	276	306303	6.29	ng/ul	98

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



#45

Dimethylphthalate

Concen: 2.53 ng/ul

RT: 13.66 min Scan# 1866

Delta R.T. 0.00 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

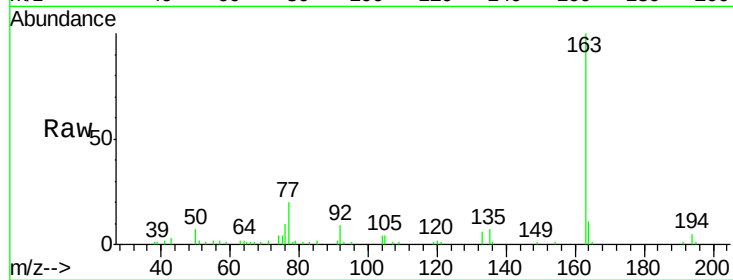
Tgt Ion:163 Resp: 61511

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

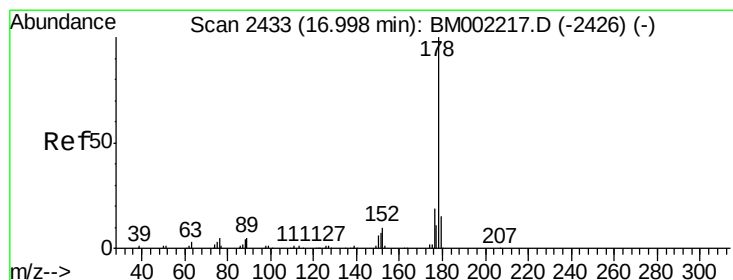
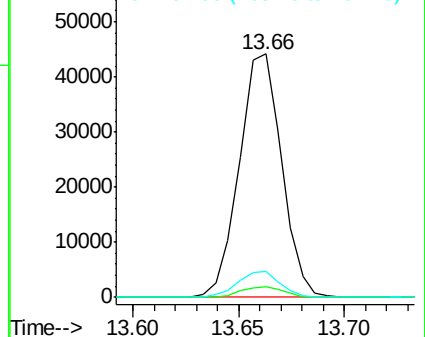
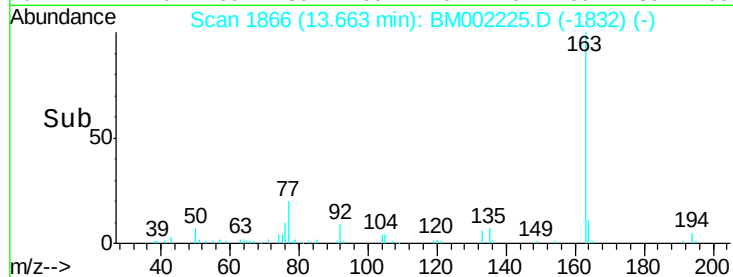
164 10.5 7.9 11.9



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



#70

Phenanthrene

Concen: 6.97 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

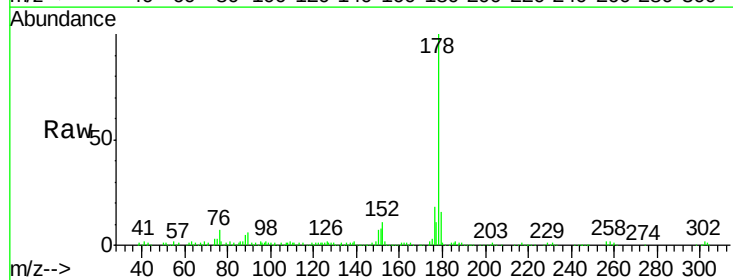
Tgt Ion:178 Resp: 261920

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

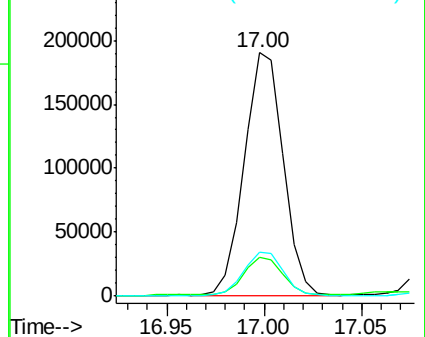
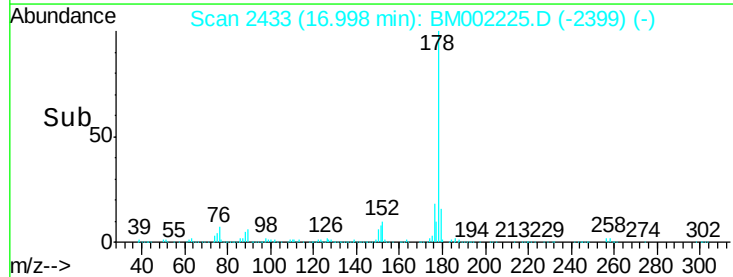
176 18.1 14.6 21.8

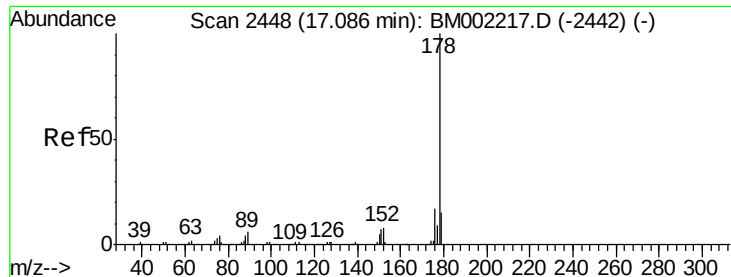


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.23 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

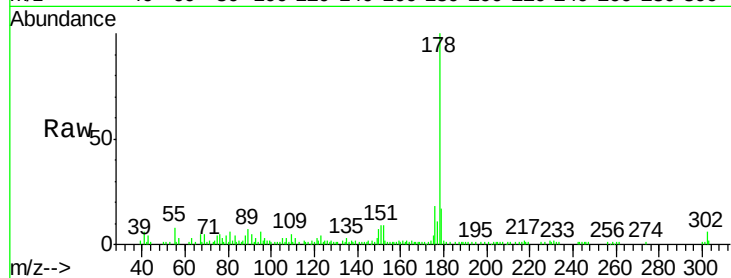
Tgt Ion:178 Resp: 85720

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.2

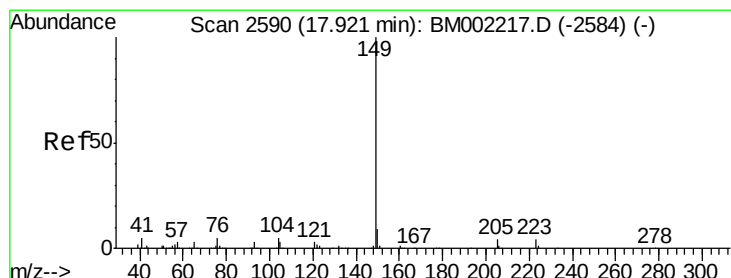
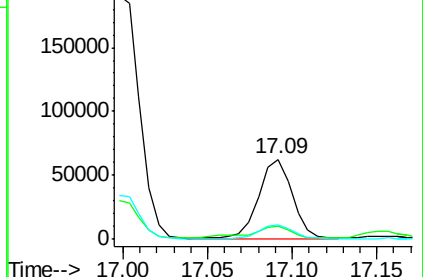
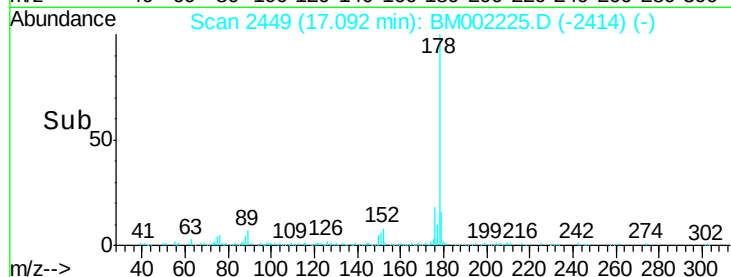
176 18.3 13.8 20.6



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

Di-n-butylphthalate

Concen: 1.72 ng/ul

RT: 17.93 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

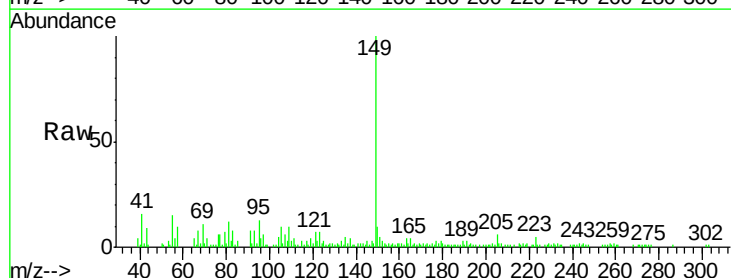
Tgt Ion:149 Resp: 65247

Ion Ratio Lower Upper

149 100

150 10.1 7.0 10.4

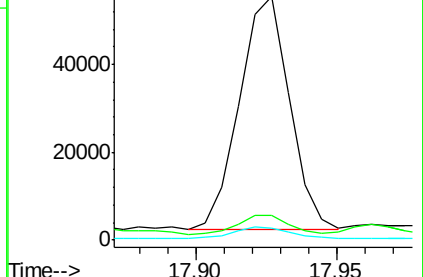
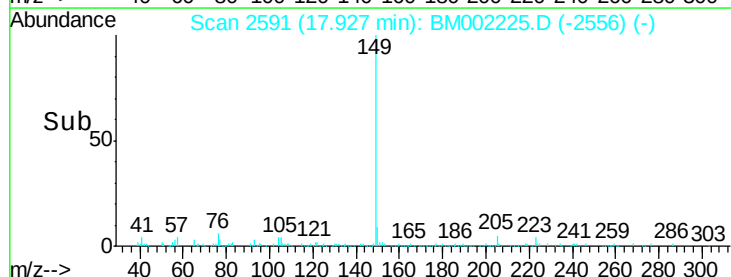
104 4.9 4.0 6.0

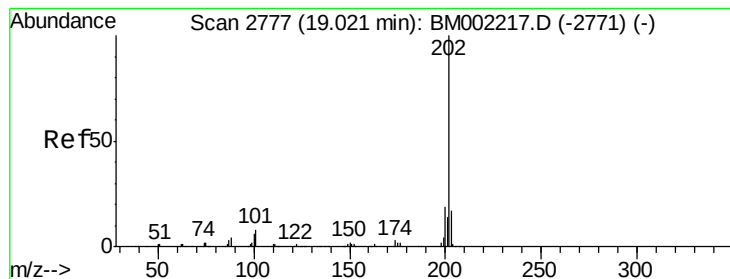


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 13.30 ng/ul

RT: 19.03 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

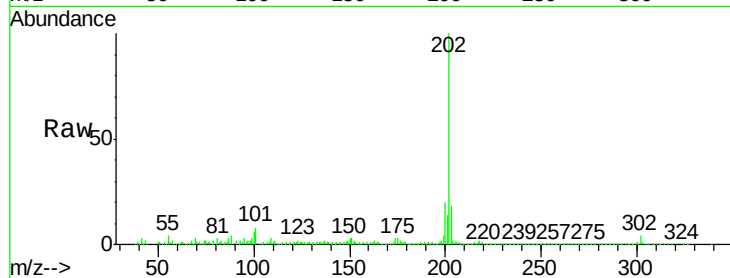
Tgt Ion:202 Resp: 547223

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.2

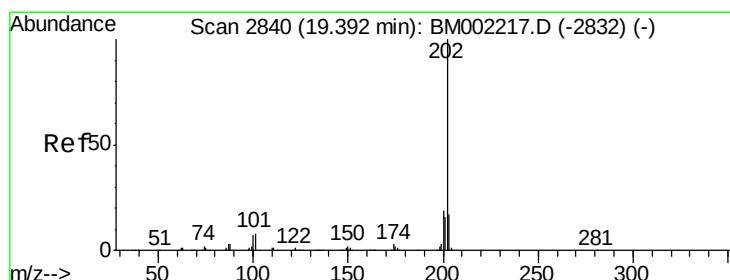
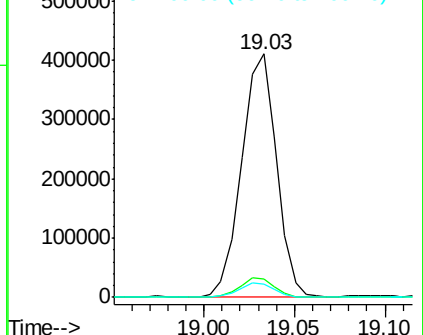
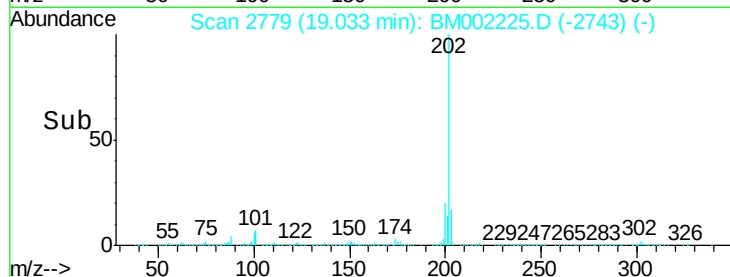
100 5.6 4.8 7.2



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: 9.10 ng/ul

RT: 19.40 min Scan# 2841

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

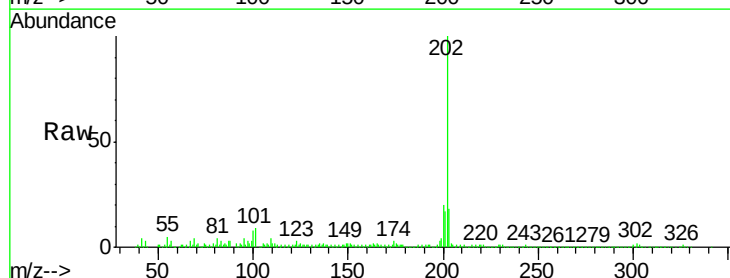
Tgt Ion:202 Resp: 514243

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.6

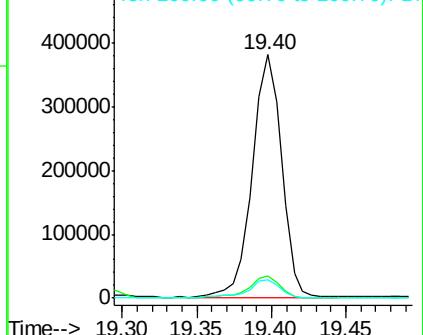
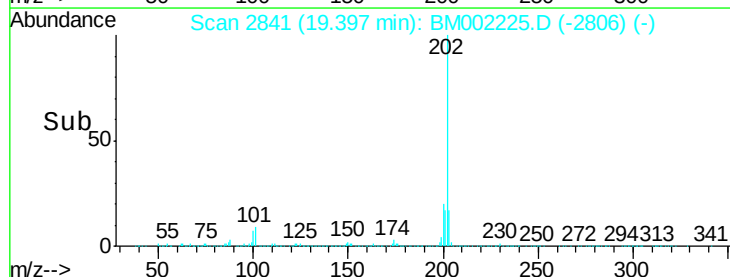
100 7.5 5.8 8.8

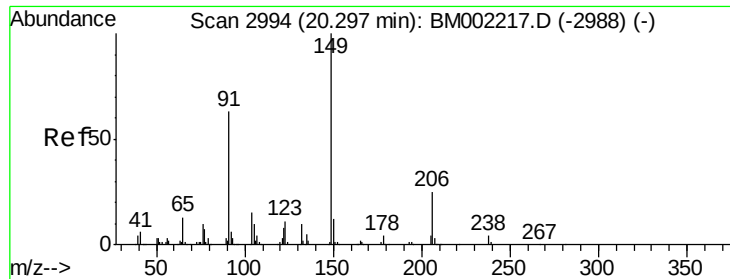


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 20.16 ng/ul

RT: 20.30 min Scan# 2995

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

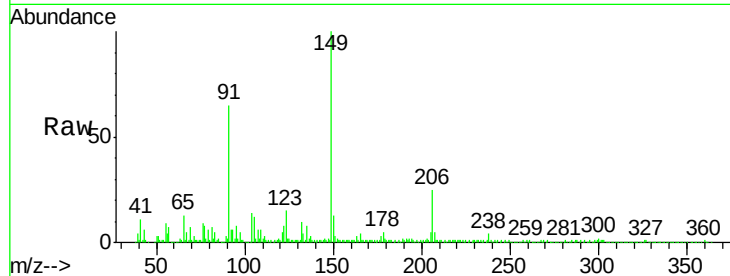
Tgt Ion:149 Resp: 410954

Ion Ratio Lower Upper

149 100

91 64.8 50.6 76.0

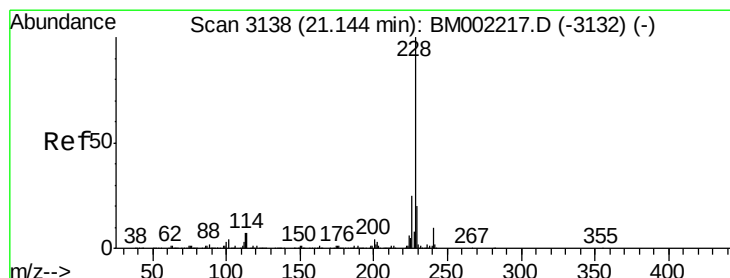
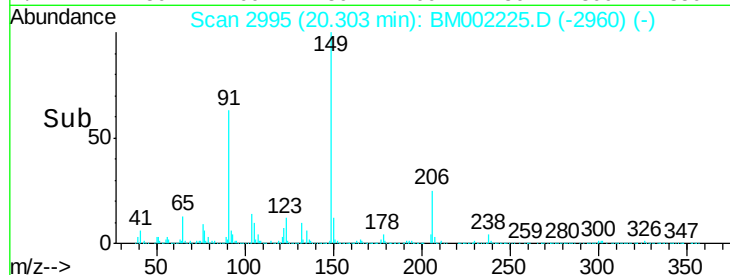
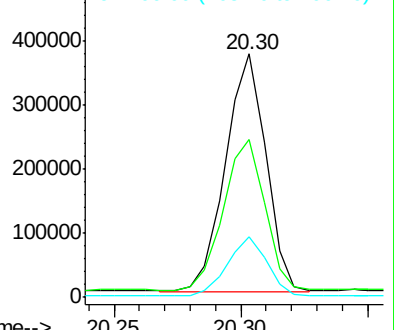
206 25.1 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 6.62 ng/ul

RT: 21.16 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

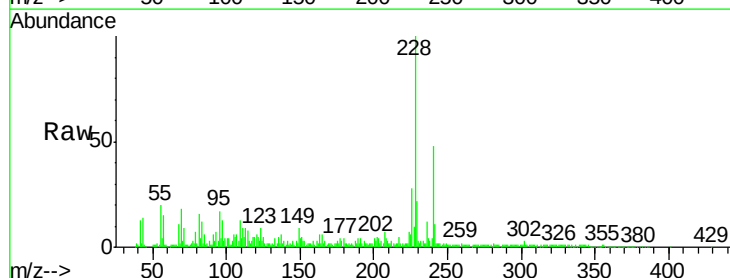
Tgt Ion:228 Resp: 340912

Ion Ratio Lower Upper

228 100

229 21.9 15.9 23.9

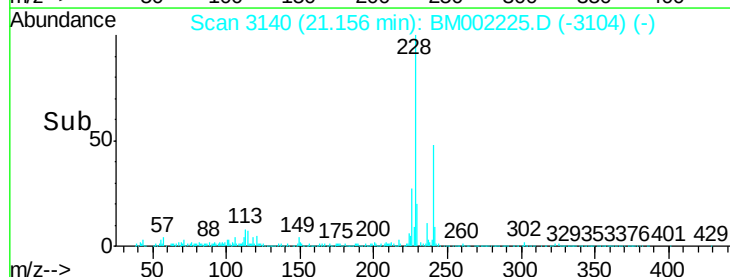
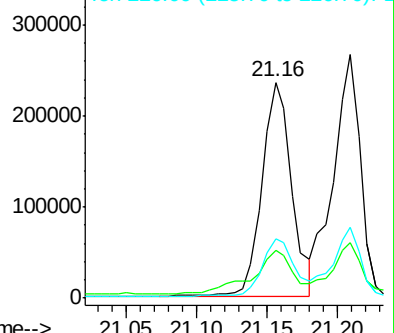
226 27.6 20.6 31.0

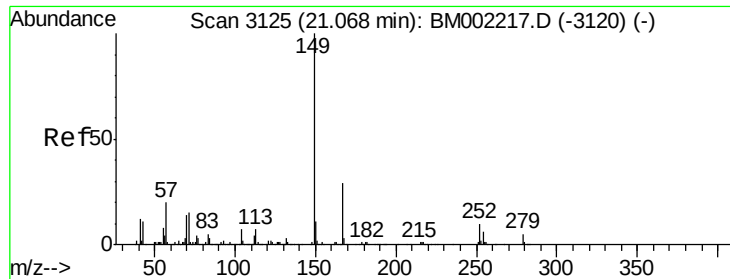


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 17.19 ng/ul

RT: 21.08 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

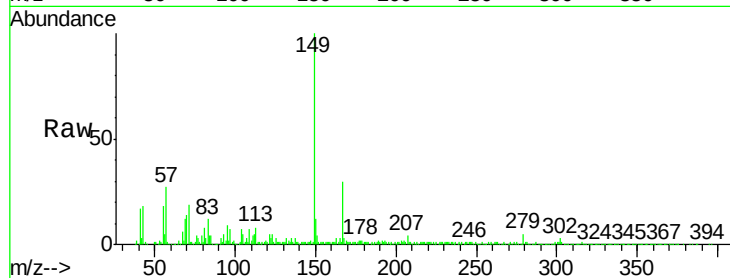
Tgt Ion:149 Resp: 498373

Ion Ratio Lower Upper

149 100

167 29.7 23.0 34.4

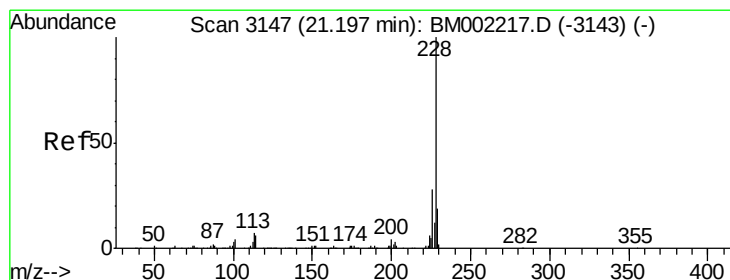
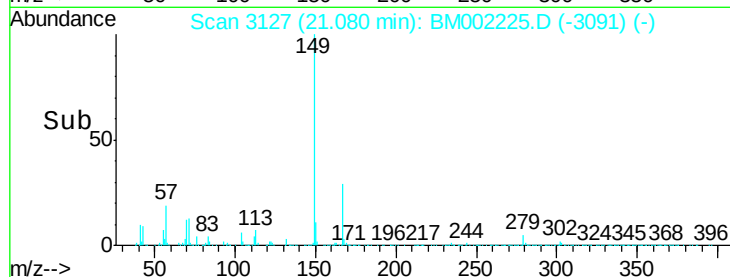
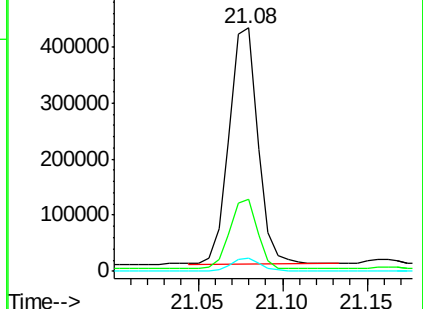
279 5.5 4.0 6.0



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: 7.34 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

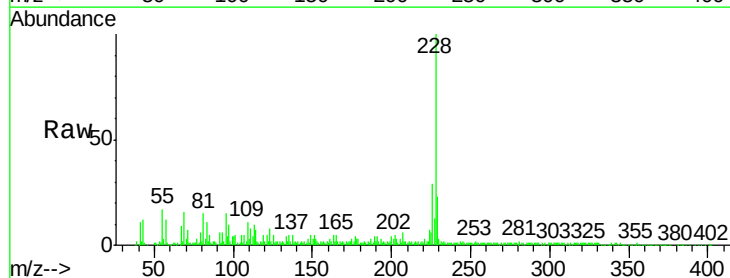
Tgt Ion:228 Resp: 348147

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

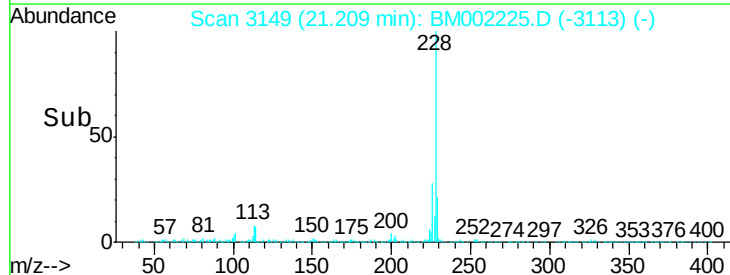
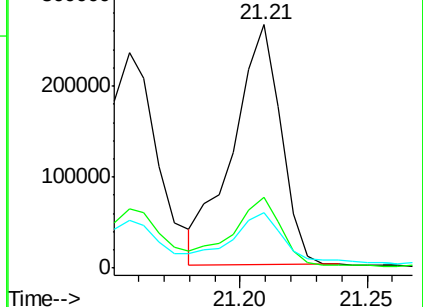
229 22.7 15.5 23.3

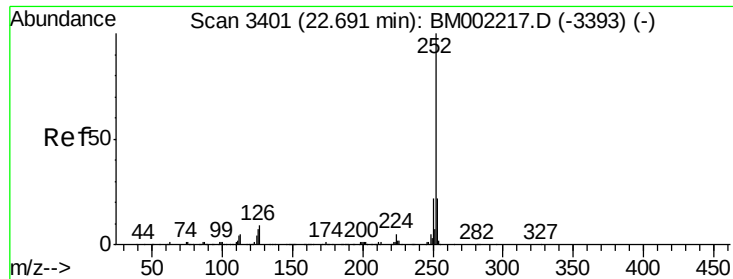


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 11.03 ng/ul

RT: 22.71 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

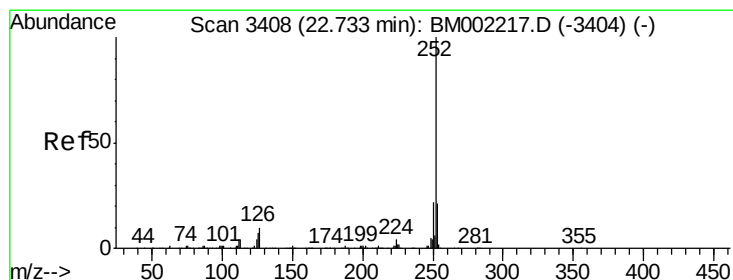
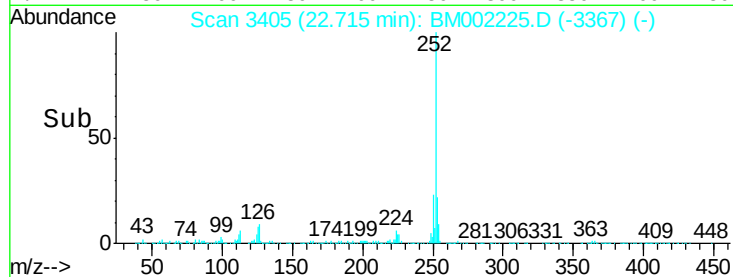
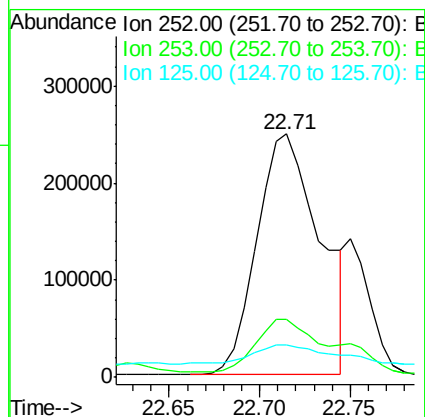
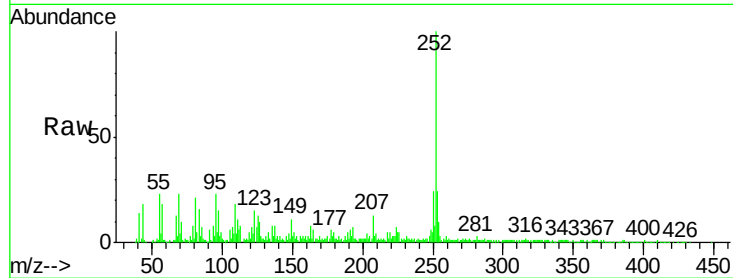
Tgt Ion:252 Resp: 599328

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 13.5 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 2.51 ng/ul

RT: 22.71 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

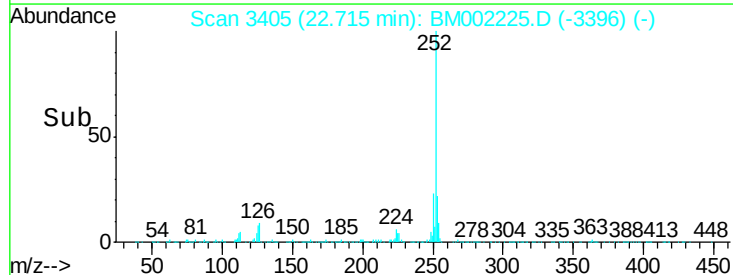
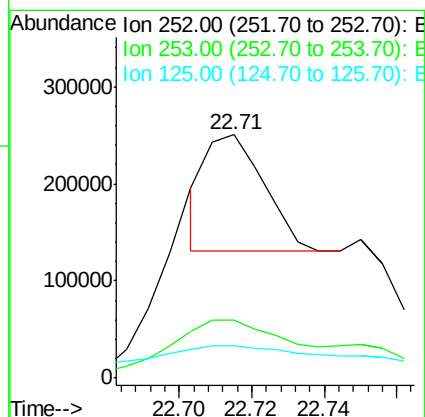
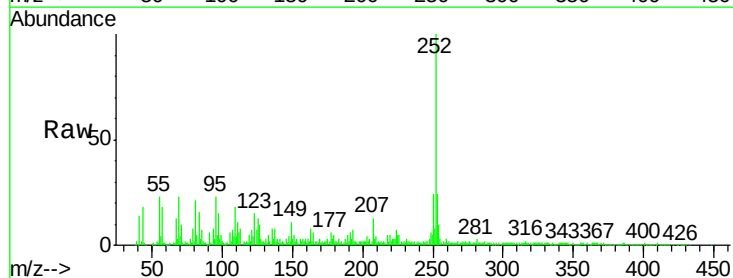
Tgt Ion:252 Resp: 131870

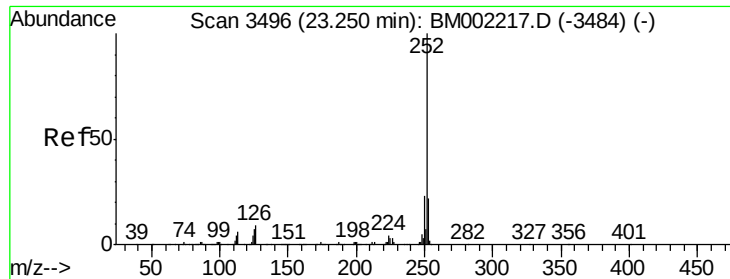
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 13.5 5.6 8.4#





#91

Benzo(a)pyrene

Concen: 6.98 ng/ul

RT: 23.27 min Scan# 3500

Delta R.T. 0.02 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

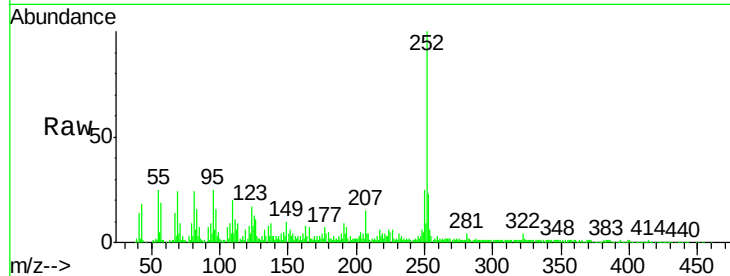
Tgt Ion:252 Resp: 362414

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

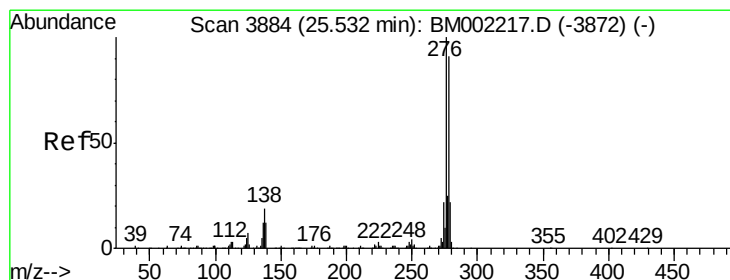
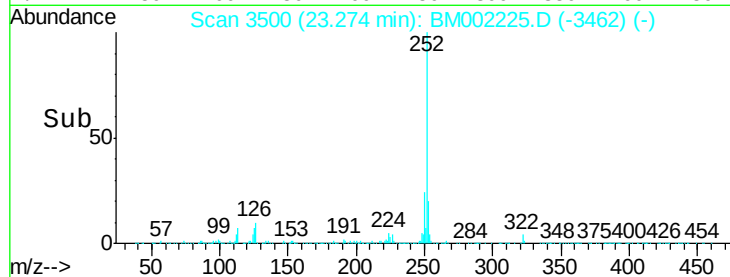
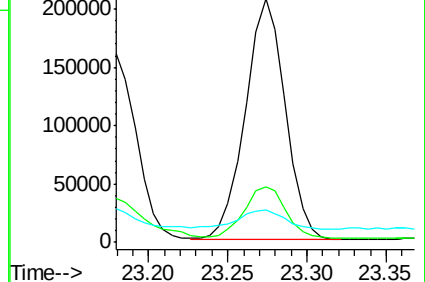
125 13.5 6.1 9.1#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.26 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.05 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

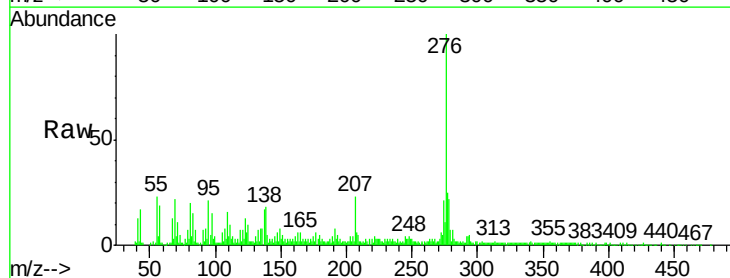
Tgt Ion:276 Resp: 307752

Ion Ratio Lower Upper

276 100

138 17.8 15.4 23.0

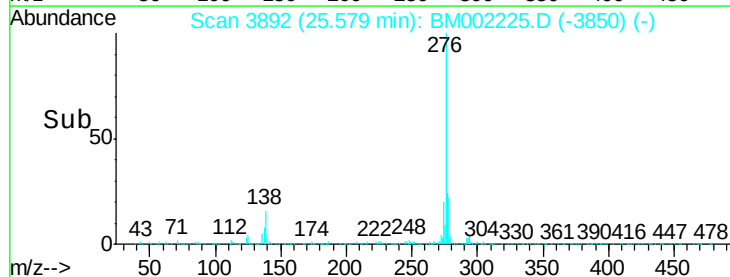
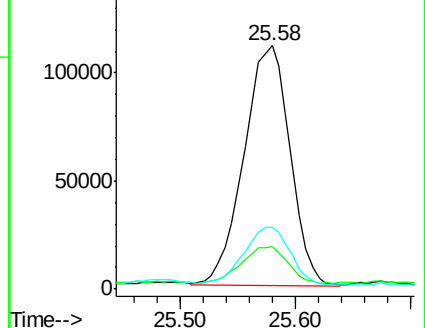
277 25.3 20.2 30.2

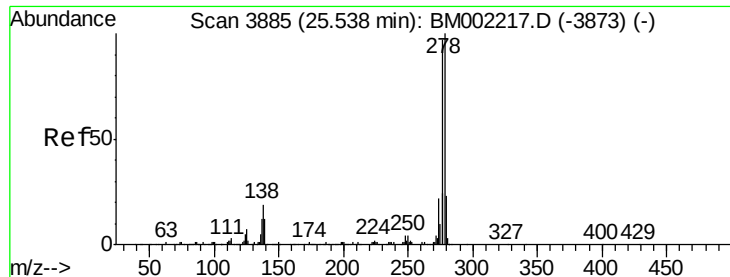


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.64 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

Instrument :

BNA_M

ClientSampleId :

C01R4RE

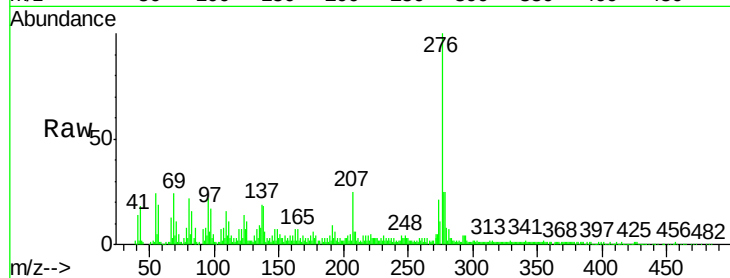
Tgt Ion:278 Resp: 81868

Ion Ratio Lower Upper

278 100

139 23.6 10.4 15.6#

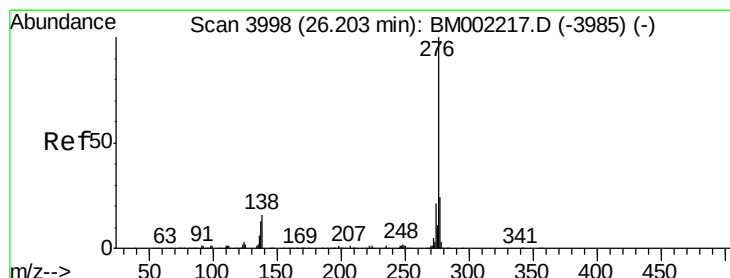
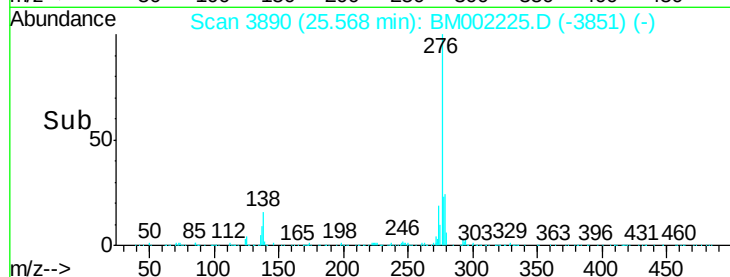
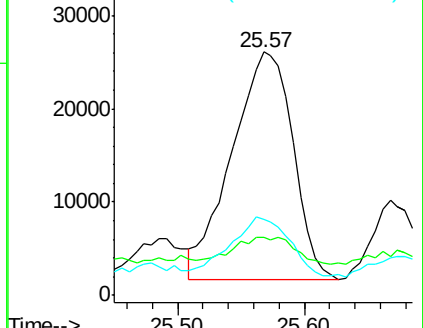
279 31.3 17.9 26.9#



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: 6.29 ng/ul

RT: 26.26 min Scan# 4007

Delta R.T. 0.05 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

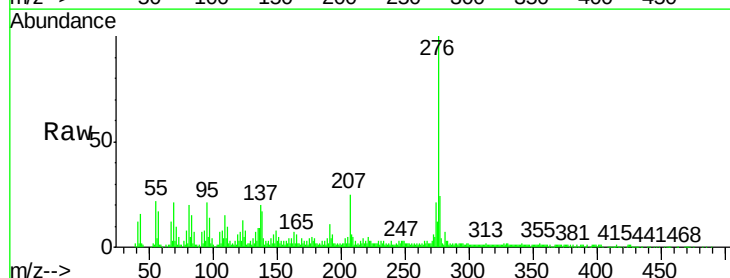
Tgt Ion:276 Resp: 306303

Ion Ratio Lower Upper

276 100

138 17.3 12.5 18.7

277 24.4 19.4 29.0



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

