

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002206.D
 Acq On : 03 Aug 2015 20:25
 Operator : TP/UM
 Sample : G3095-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S4

Quant Time: Aug 04 02:38:19 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	79370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	341602	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	215670	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	504324	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	452820	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	451800	20.00	ng/ul	0.02

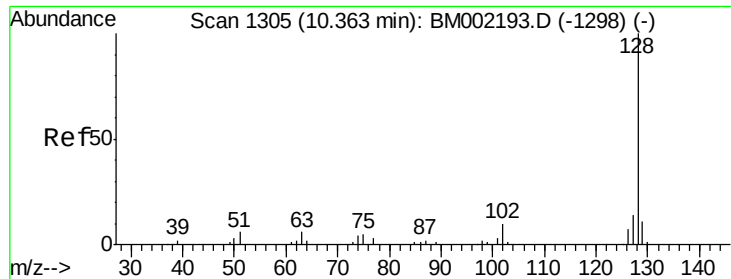
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1593	1.04	ng/uL	0.00
5) Phenol-d5	6.73	99	44732	7.88	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	23686	7.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	37180	7.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	37144	8.23	ng/ul	0.01
19) Nitrobenzene-d5	8.70	128	19073	7.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	18709	6.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	40263	7.75	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	37931	6.64	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	121650	7.70	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	151324	7.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	6579	2.50	ng/ul	0.02
58) Fluorene-d10	15.21	176	109230	7.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.06	188	169826	7.54	ng/ul	0.00
79) Pyrene-d10	19.37	212	171725	9.01	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	157342	7.18	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.37	128	33090	2.04	ng/ul	98
45) Dimethylphthalate	13.67	163	37819	2.40	ng/ul	99
48) Acenaphthylene	13.93	152	65374	3.21	ng/ul	98
50) Acenaphthene	14.27	153	51653	3.87	ng/ul	98
54) Dibenzofuran	14.61	168	31230	1.63	ng/ul	99
59) Fluorene	15.26	166	55135	3.48	ng/ul	99
70) Phenanthrene	17.01	178	1068034	40.89	ng/ul	99
72) Anthracene	17.10	178	291107	10.90	ng/ul	99
75) Carbazole	17.38	167	69876	3.06	ng/ul	98
77) Fluoranthene	19.04	202	2738030	90.78	ng/ul	99
80) Pyrene	19.42	202	2383216	96.72	ng/ul	100
83) Benzo(a)anthracene	21.16	228	1249717	49.79	ng/ul	98
85) Chrysene	21.22	228	1076903	45.85	ng/ul	97
88) Benzo(b)fluoranthene	22.72	252	1473040	58.02	ng/ul	98
89) Benzo(k)fluoranthene	22.72	252	885970	36.17	ng/ul	98
91) Benzo(a)pyrene	23.28	252	1084183	44.24	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.59	276	725172	25.68	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.57	278	190588	7.89	ng/ul#	93
94) Benzo(g,h,i)perylene	26.26	276	660220	27.89	ng/ul	97

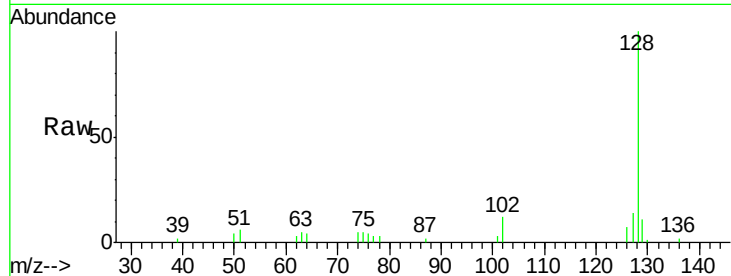
(#) = qualifier out of range (m) = manual integration (+) = signals summed



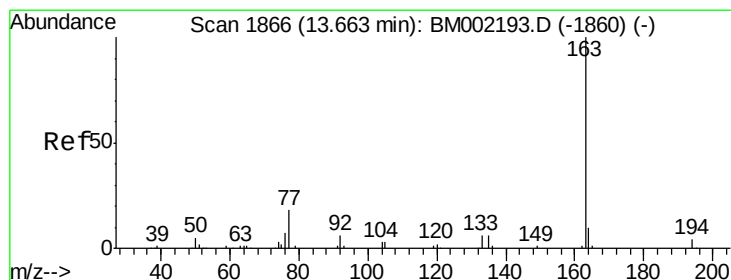
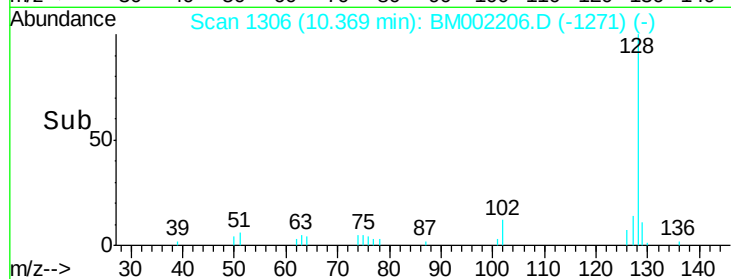
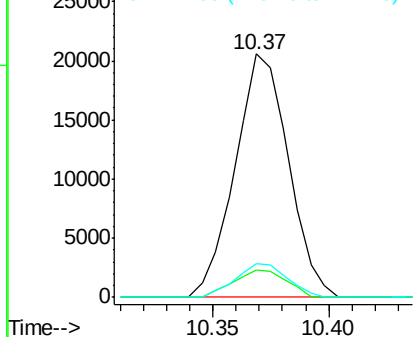
#28
Naphthalene
Concen: 2.04 ng/ul
RT: 10.37 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Instrument :
BNA_M
ClientSampleId :
C01S4

Tgt Ion:128 Resp: 33090
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.8 10.2 15.4

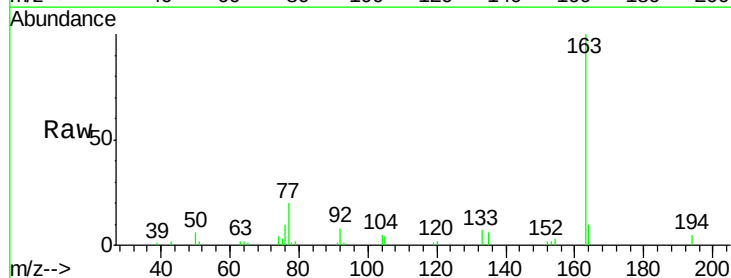


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

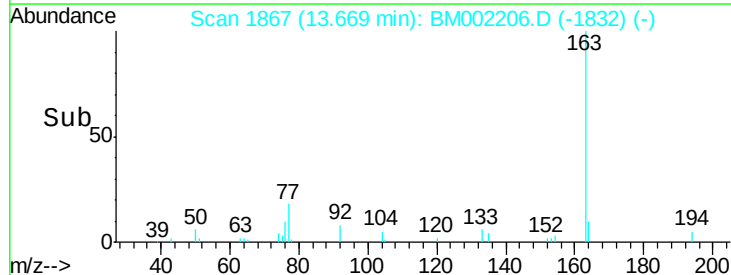
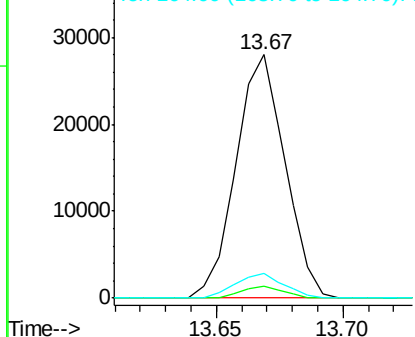


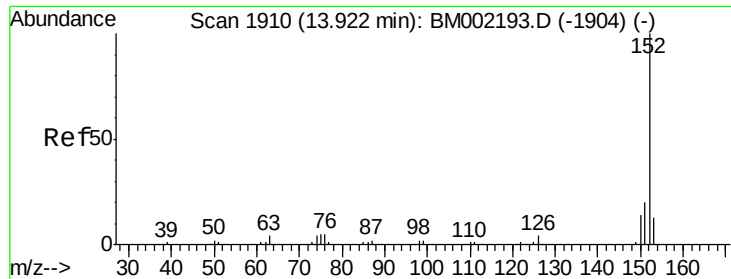
#45
Dimethylphthalate
Concen: 2.40 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Tgt Ion:163 Resp: 37819
Ion Ratio Lower Upper
163 100
194 5.0 3.5 5.3
164 10.1 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: 3.21 ng/ul

RT: 13.93 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

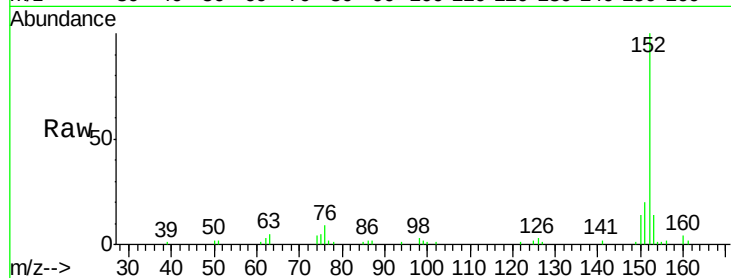
Tgt Ion:152 Resp: 65374

Ion Ratio Lower Upper

152 100

151 20.2 15.6 23.4

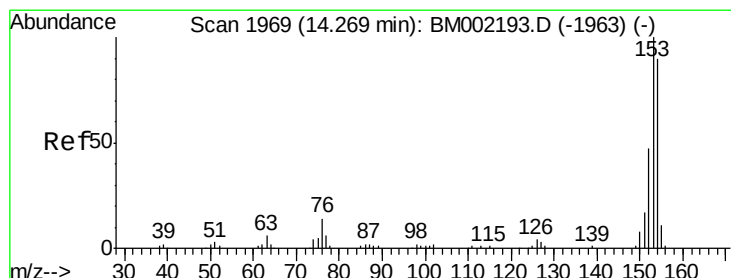
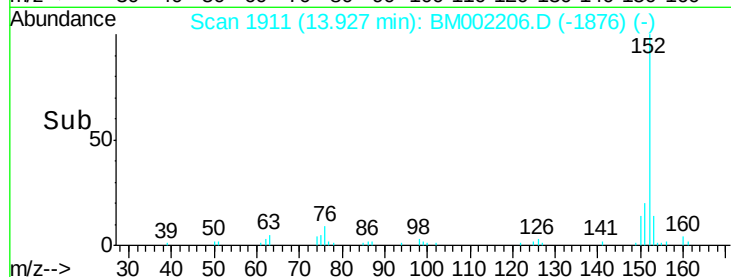
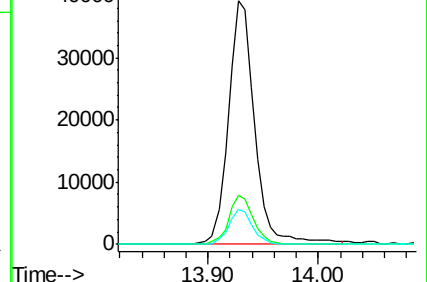
153 14.2 10.3 15.5



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



#50

Acenaphthene

Concen: 3.87 ng/ul

RT: 14.27 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

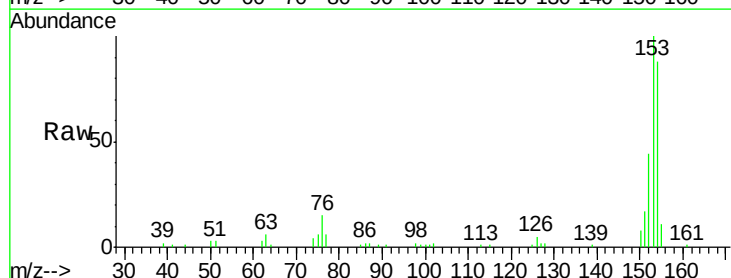
Tgt Ion:153 Resp: 51653

Ion Ratio Lower Upper

153 100

152 44.2 37.3 55.9

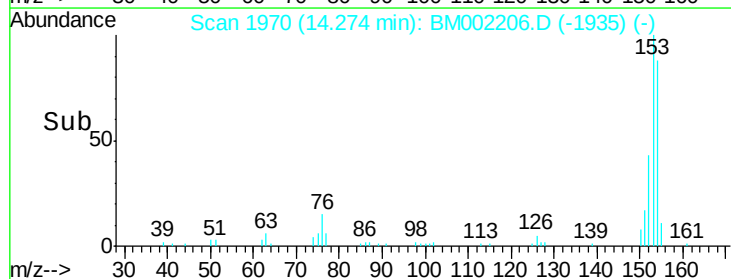
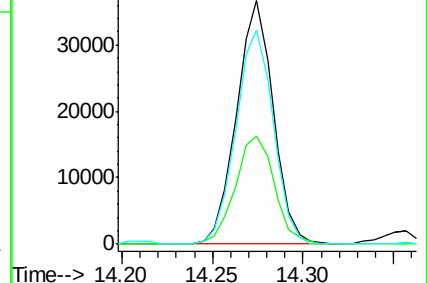
154 88.1 71.4 107.2

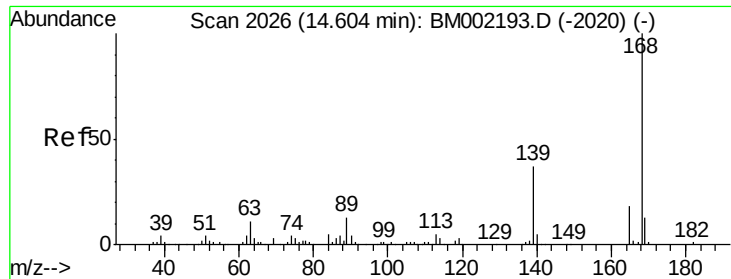


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.63 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

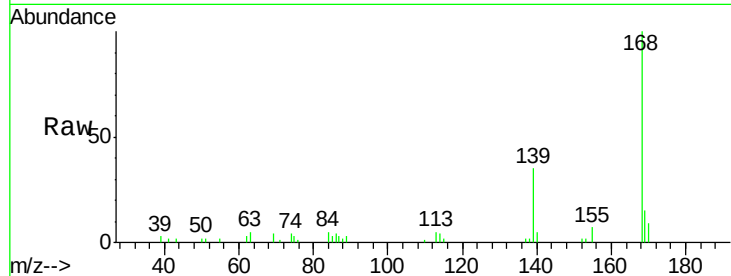
C01S4

Tgt Ion:168 Resp: 31230

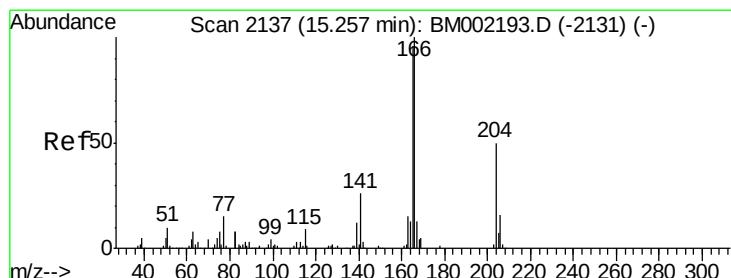
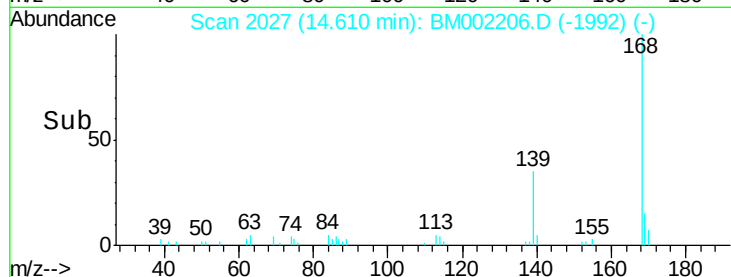
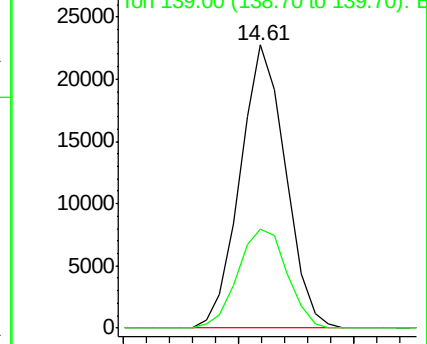
Ion Ratio Lower Upper

168 100

139 34.8 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E



#59

Fluorene

Concen: 3.48 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

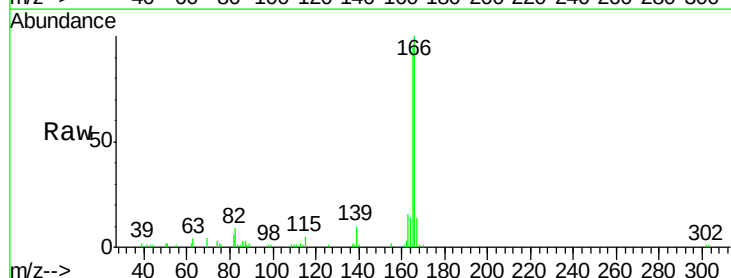
Tgt Ion:166 Resp: 55135

Ion Ratio Lower Upper

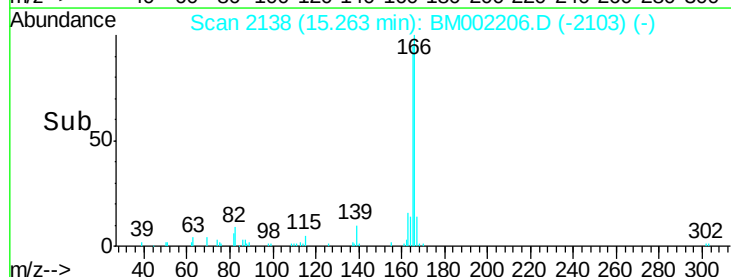
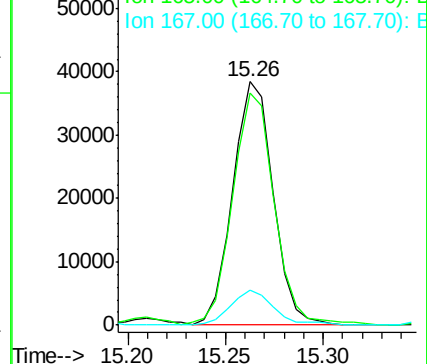
166 100

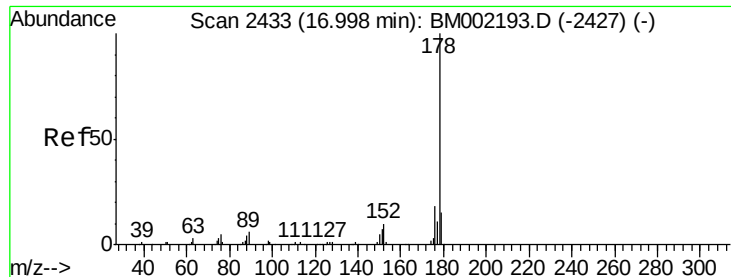
165 95.3 75.6 113.4

167 14.4 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E





#70

Phenanthrene

Concen: 40.89 ng/ul

RT: 17.01 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

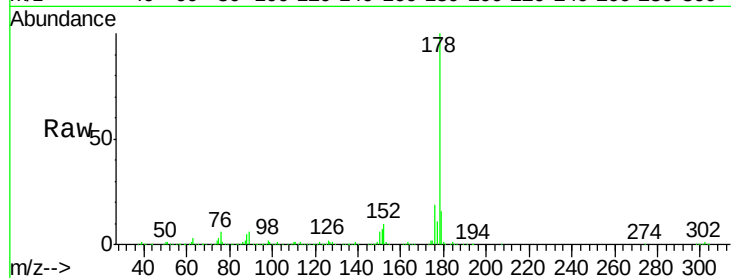
Tgt Ion:178 Resp: 1068034

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

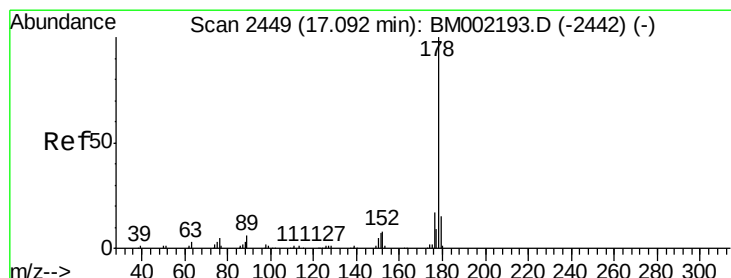
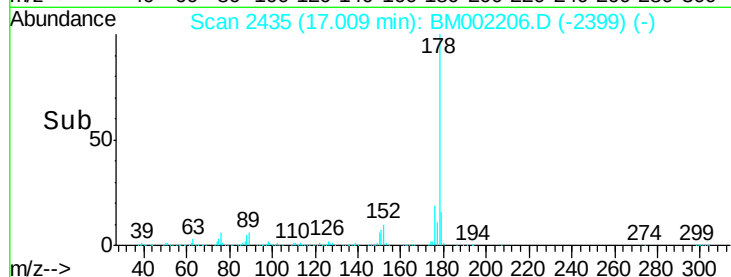
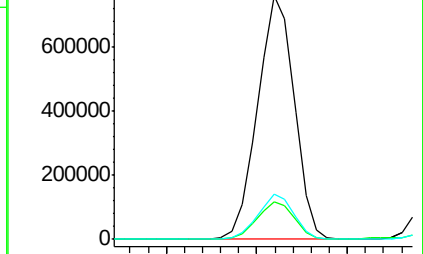
176 18.6 14.2 21.4



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: 10.90 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

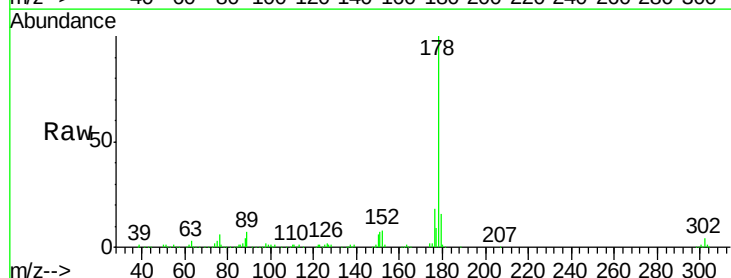
Tgt Ion:178 Resp: 291107

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

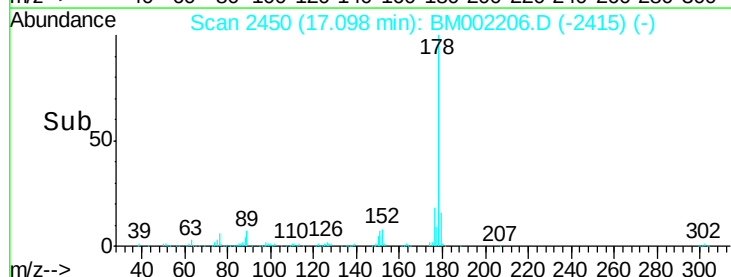
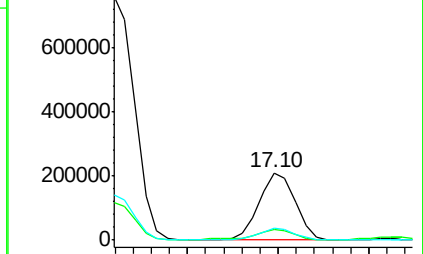
176 17.9 14.1 21.1

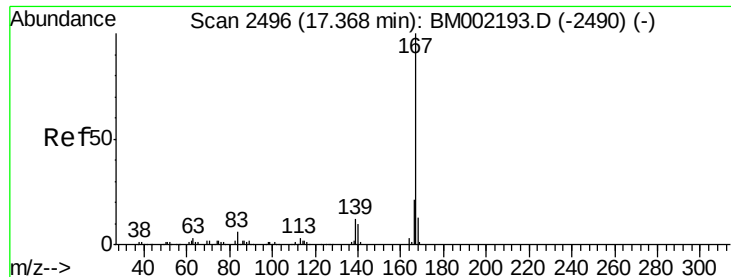


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

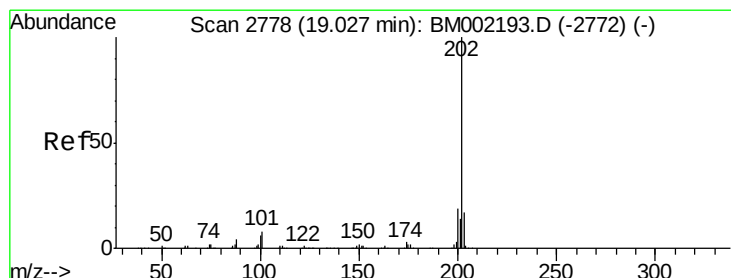
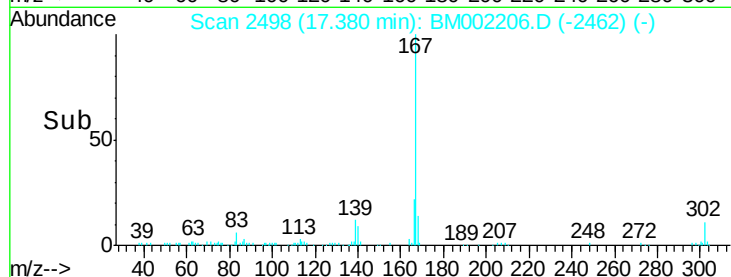
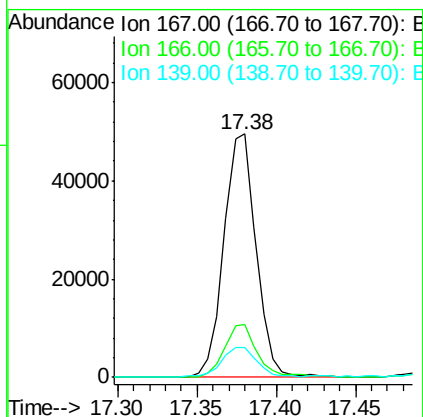
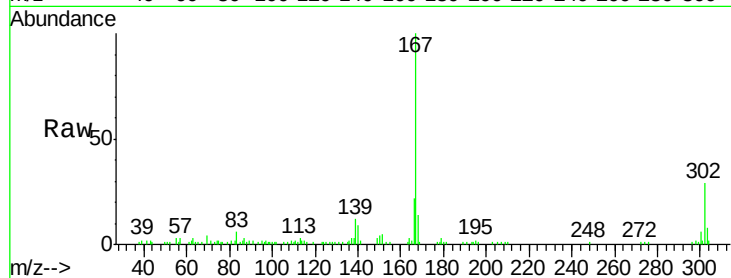




#75
 Carbazole
 Concen: 3.06 ng/ul
 RT: 17.38 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

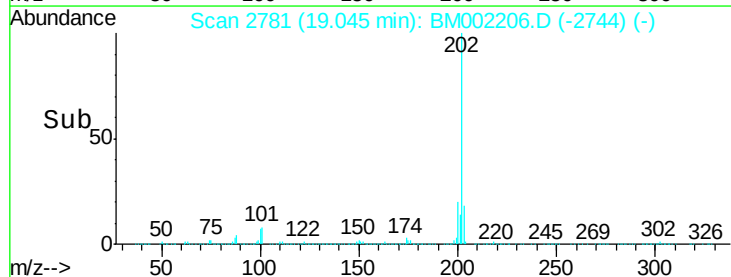
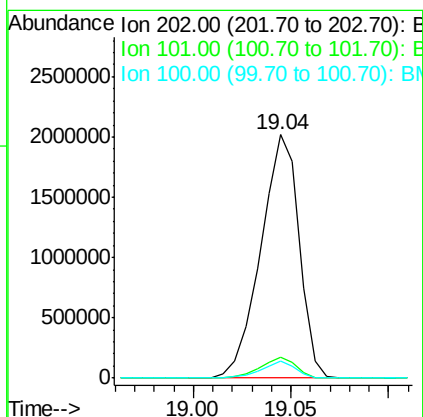
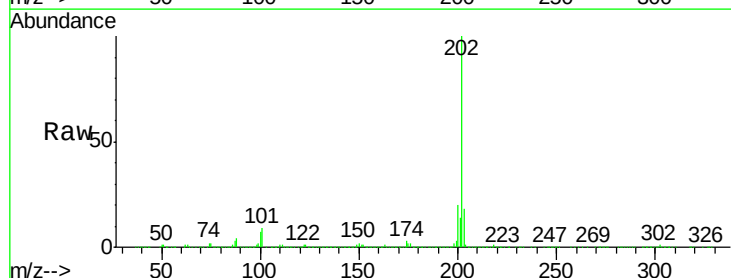
Instrument :
 BNA_M
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 C01S4

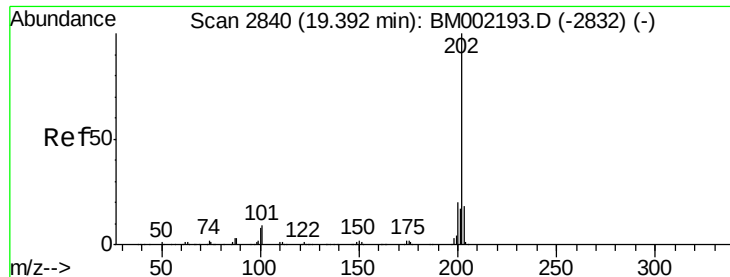
Tgt Ion:167 Resp: 69876
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.2 24.4
 139 12.3 9.6 14.4



#77
 Fluoranthene
 Concen: 90.78 ng/ul
 RT: 19.04 min Scan# 2781
 Delta R.T. 0.02 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

Tgt Ion:202 Resp: 2738030
 Ion Ratio Lower Upper
 202 100
 101 8.5 6.2 9.4
 100 6.8 5.2 7.8

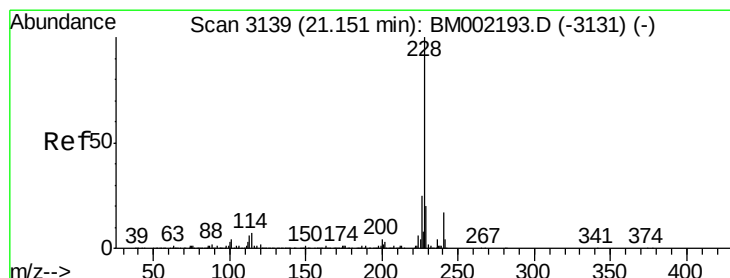
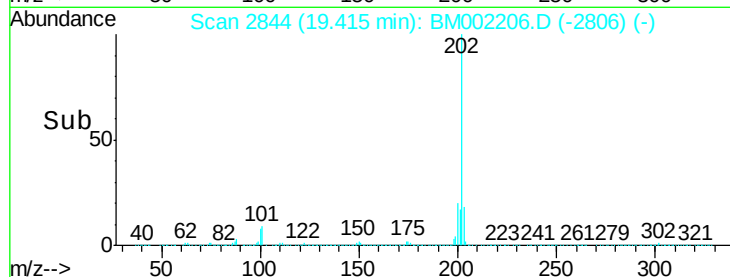
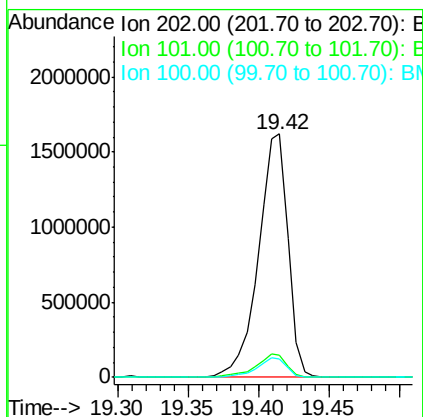
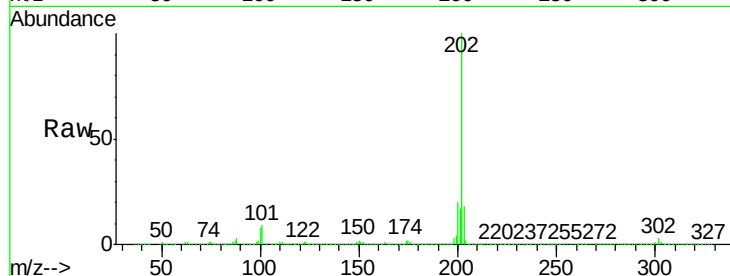




#80
 Pyrene
 Concen: 96.72 ng/ul
 RT: 19.42 min Scan# 2844
 Delta R.T. 0.02 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

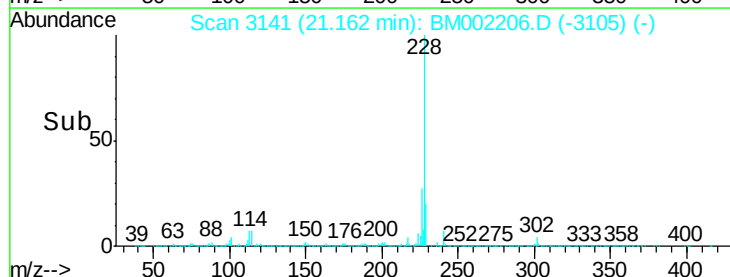
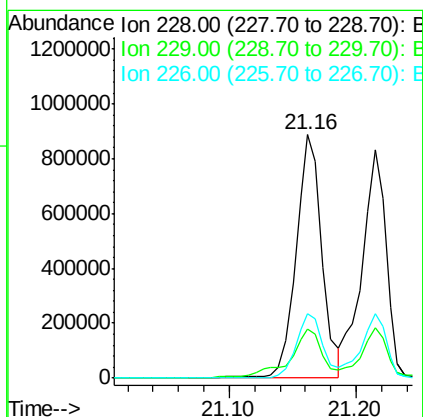
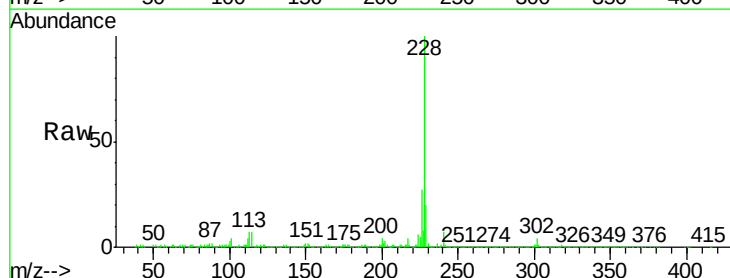
Instrument :
 BNA_M
 ClientSampleId :
 C01S4

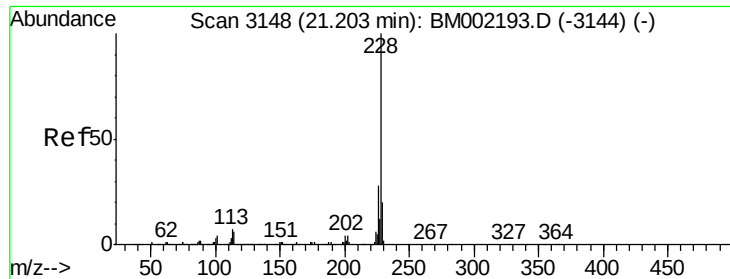
Tgt Ion:202 Resp: 2383216
 Ion Ratio Lower Upper
 202 100
 101 9.3 7.4 11.2
 100 7.6 6.3 9.5



#83
 Benzo(a)anthracene
 Concen: 49.79 ng/ul
 RT: 21.16 min Scan# 3141
 Delta R.T. 0.01 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

Tgt Ion:228 Resp: 1249717
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.4 23.2
 226 26.7 20.5 30.7





#85

Chrysene

Concen: 45.85 ng/ul

RT: 21.22 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

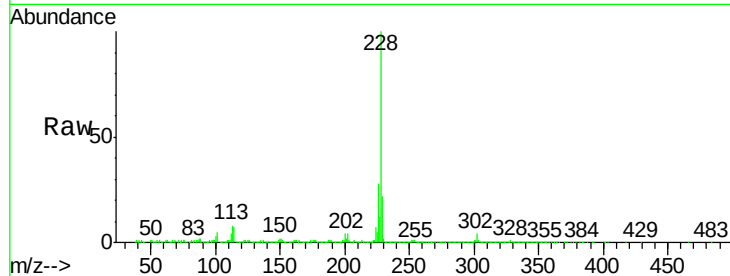
Tgt Ion:228 Resp: 1076903

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

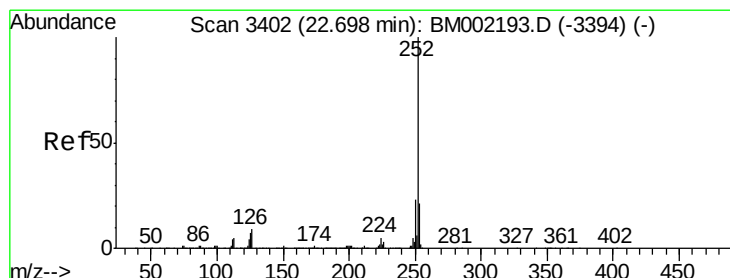
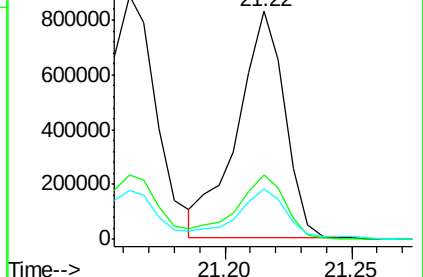
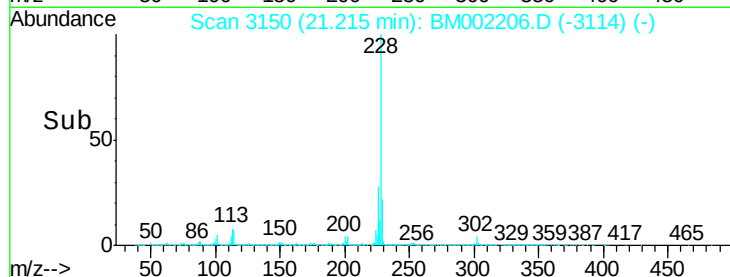
229 22.0 15.5 23.3



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: 58.02 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. 0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

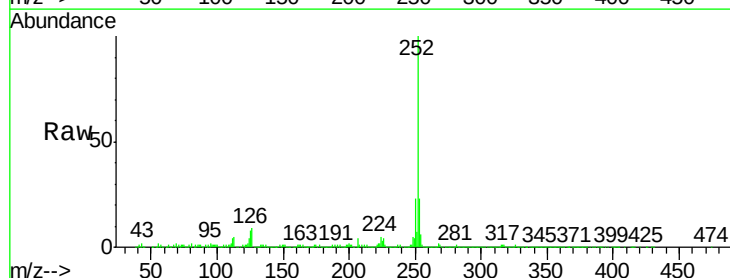
Tgt Ion:252 Resp: 1473040

Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

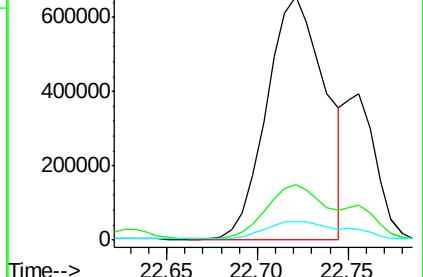
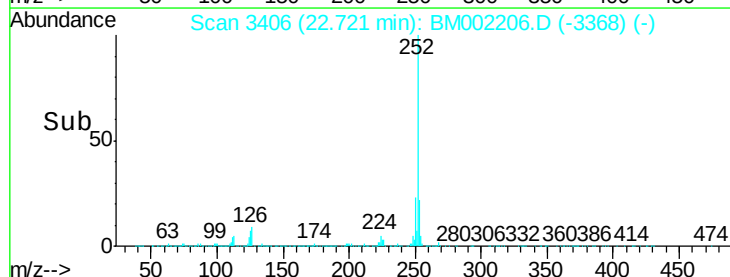
125 7.7 6.2 9.2

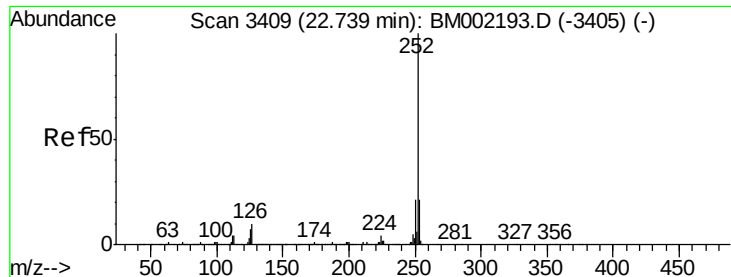


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 36.17 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. -0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

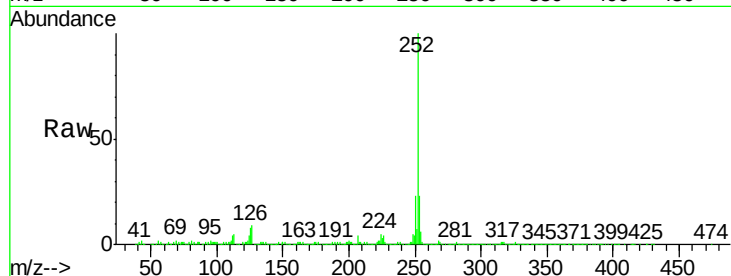
Tgt Ion:252 Resp: 885970

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

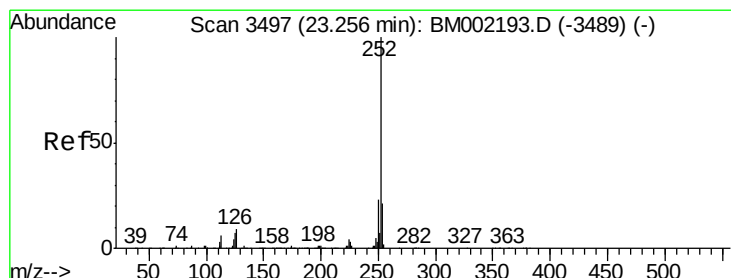
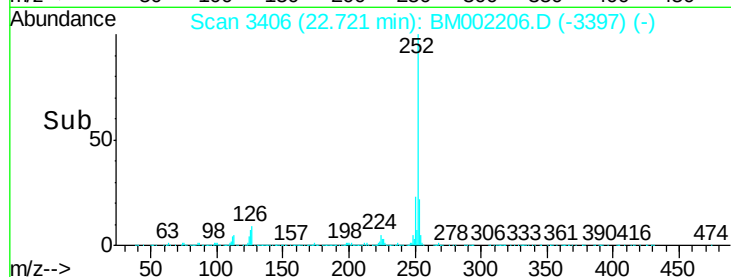
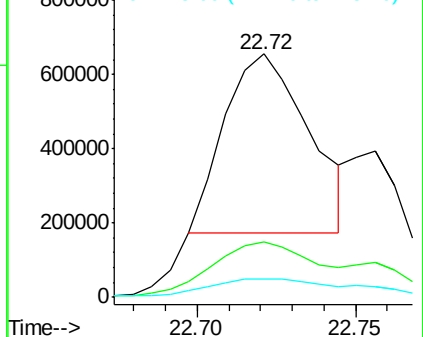
125 7.7 6.2 9.4



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: 44.24 ng/ul

RT: 23.28 min Scan# 3501

Delta R.T. 0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

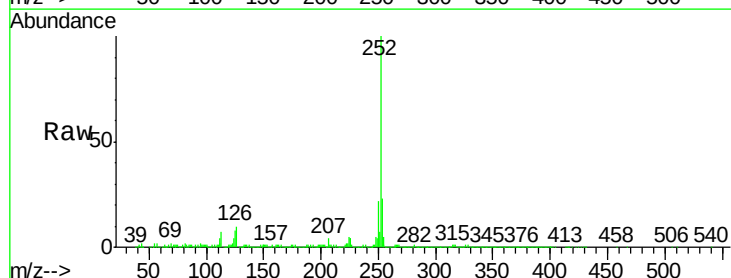
Tgt Ion:252 Resp: 1084183

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

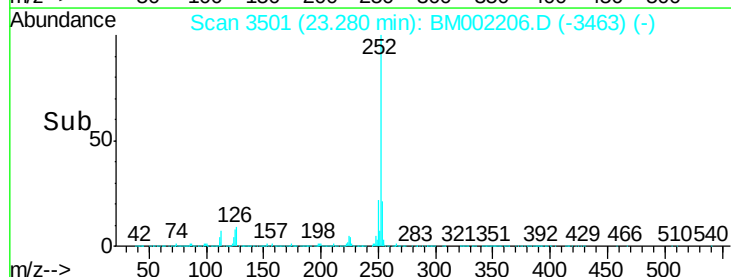
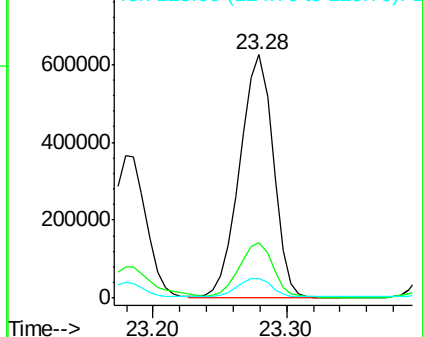
125 8.2 6.6 10.0

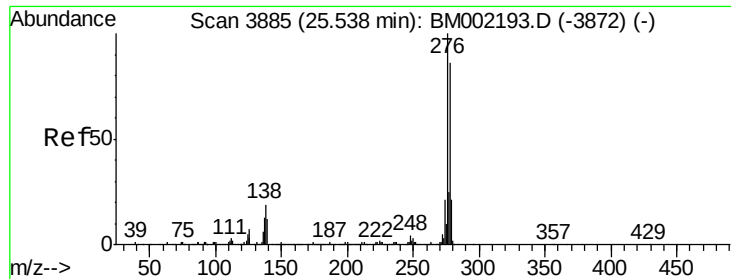


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.68 ng/ul

RT: 25.59 min Scan# 3893

Delta R.T. 0.05 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

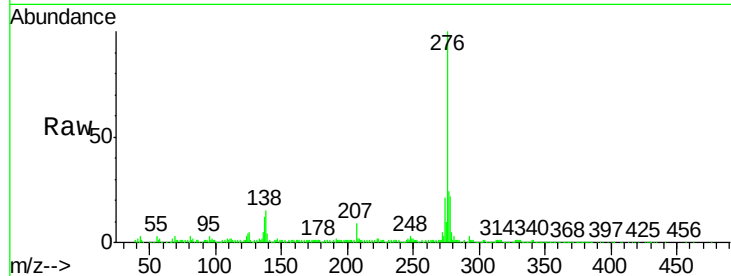
Tgt Ion:276 Resp: 725172

Ion Ratio Lower Upper

276 100

138 15.1 16.2 24.2#

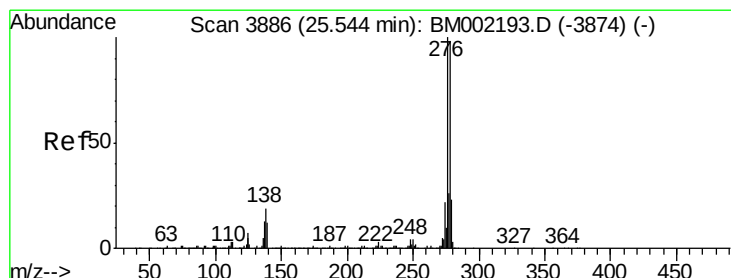
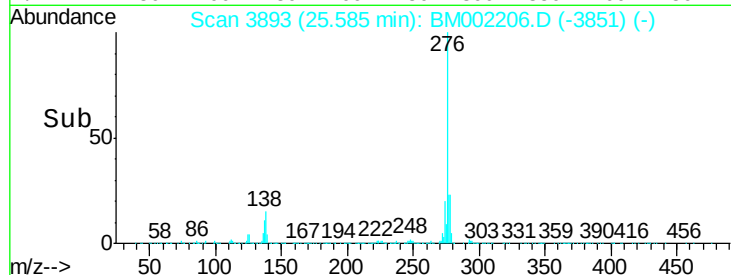
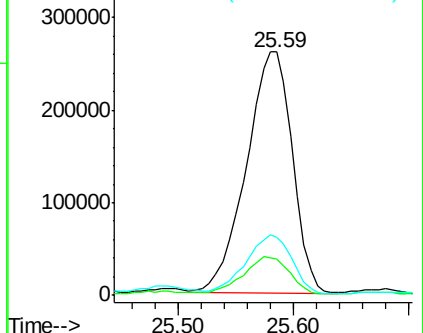
277 23.7 19.8 29.8



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: 7.89 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. 0.03 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

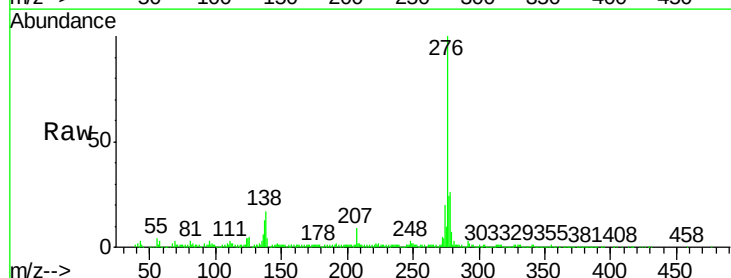
Tgt Ion:278 Resp: 190588

Ion Ratio Lower Upper

278 100

139 17.0 10.6 16.0#

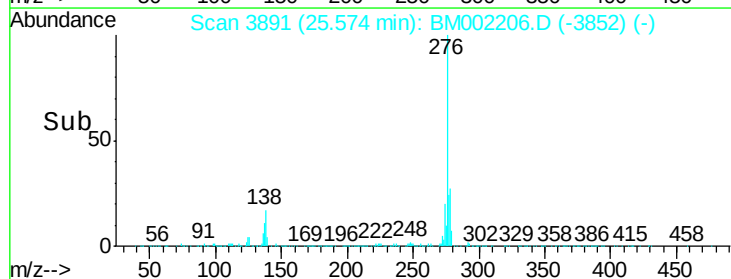
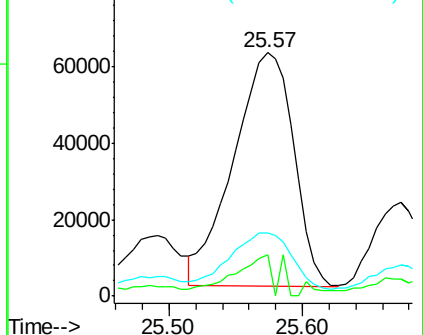
279 26.0 18.5 27.7

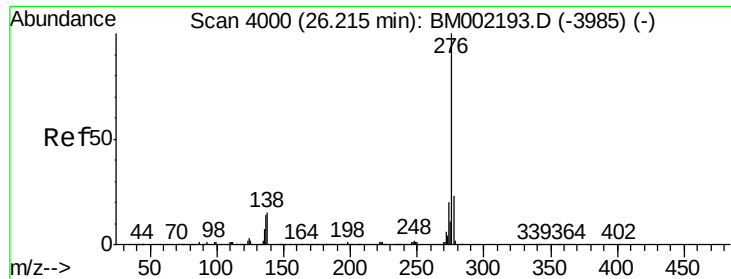


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.89 ng/ul

RT: 26.26 min Scan# 4008

Delta R.T. 0.05 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

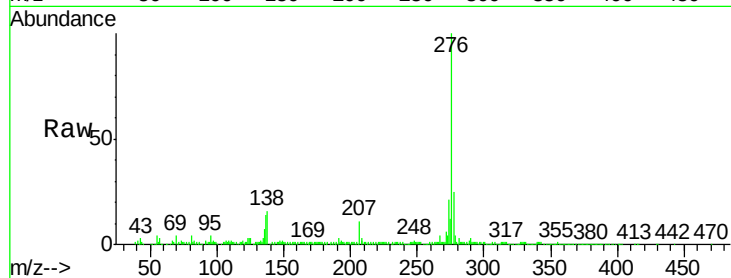
Tgt Ion:276 Resp: 660220

Ion Ratio Lower Upper

276 100

138 16.4 13.8 20.6

277 24.7 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

