

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002177.D
 Acq On : 02 Aug 2015 20:03
 Operator : TP
 Sample : G3073-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01N6

Quant Time: Aug 03 02:08:38 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	65117	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	290252	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	181216	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	418633	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	458712	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	379204	20.00	ng/ul	0.00

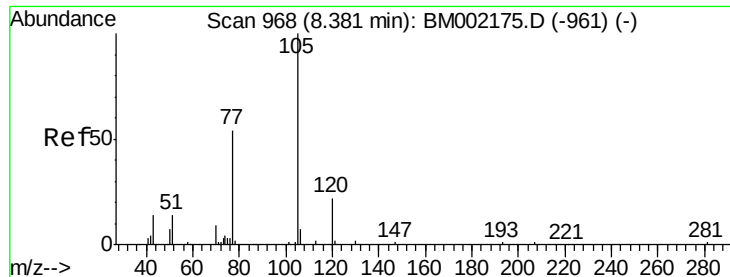
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2019	1.60	ng/uL	0.00
5) Phenol-d5	6.74	99	64183	13.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	33229	12.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	52698	13.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	49112	13.27	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	26870	13.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	31067	13.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	59555	13.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	33552	6.91	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	181496	13.67	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	228069	13.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	19503	8.80	ng/ul	0.00
58) Fluorene-d10	15.22	176	168179	14.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	17753	6.93	ng/ul	0.00
71) Anthracene-d10	17.07	188	258143	13.81	ng/ul	0.00
79) Pyrene-d10	19.39	212	285221	14.77	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	235923	12.83	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.37	105	7650	1.31	ng/ul	95
45) Dimethylphthalate	13.68	163	91284	6.89	ng/ul	99
48) Acenaphthylene	13.94	152	24368	1.42	ng/ul	99
50) Acenaphthene	14.29	153	11286	1.01	ng/ul	93
70) Phenanthrene	17.02	178	274968	12.68	ng/ul	100
72) Anthracene	17.11	178	85027	3.84	ng/ul	99
75) Carbazole	17.39	167	41682	2.20	ng/ul	99
76) Di-n-butylphthalate	17.94	149	57029	2.53	ng/ul#	96
77) Fluoranthene	19.04	202	992617	39.65	ng/ul	99
80) Pyrene	19.42	202	875156	35.06	ng/ul	99
81) Butylbenzylphthalate	20.32	149	45227	4.74	ng/ul	95
83) Benzo(a)anthracene	21.17	228	457576	17.99	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.10	149	272566	18.67	ng/ul	99
85) Chrysene	21.22	228	433750	18.23	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	526100	24.69	ng/ul#	95
89) Benzo(k)fluoranthene	22.73	252	316707	15.40	ng/ul#	96
91) Benzo(a)pyrene	23.29	252	297423	14.46	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.57	276	199036	8.40	ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	54393	2.68	ng/ul#	88
94) Benzo(g,h,i)perylene	26.25	276	181906	9.16	ng/ul	96

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



#14

Acetophenone

Concen: 1.31 ng/ul

RT: 8.37 min Scan# 967

Delta R.T. -0.01 min

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BNA_M

ClientSampleId :

C01N6

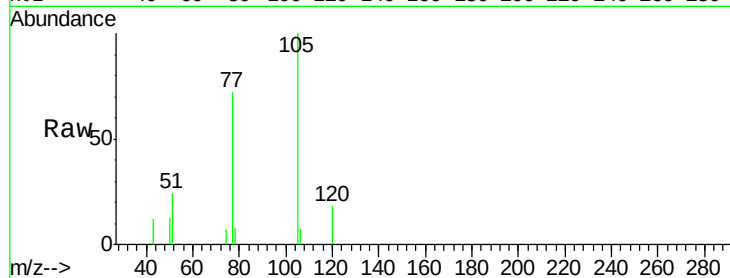
Tgt Ion:105 Resp: 7650

Ion Ratio Lower Upper

105 100

77 72.2 61.8 92.8

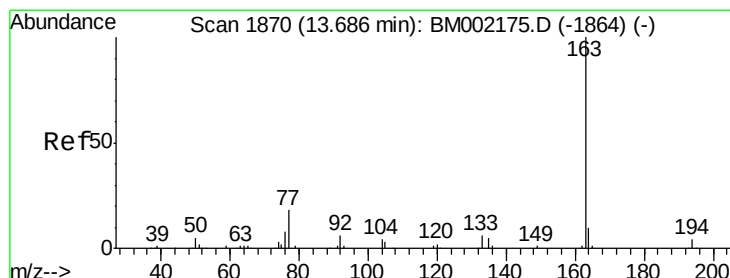
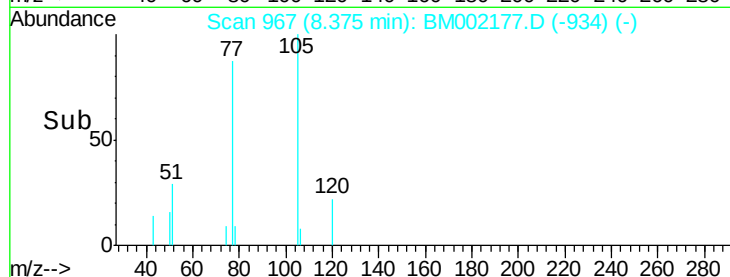
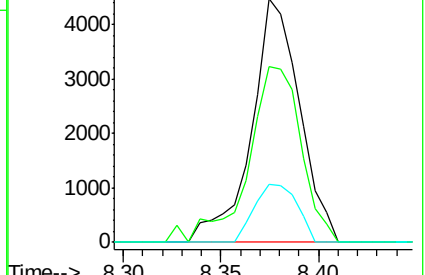
51 23.6 18.5 27.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#45

Dimethylphthalate

Concen: 6.89 ng/ul

RT: 13.68 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

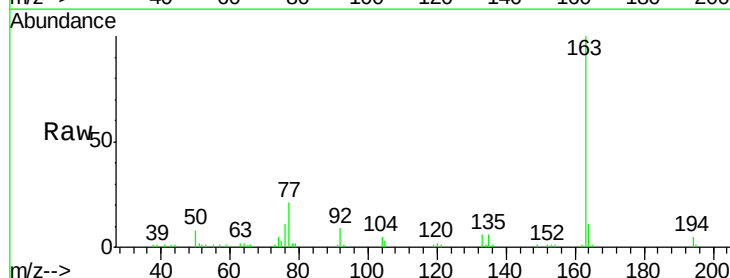
Tgt Ion:163 Resp: 91284

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

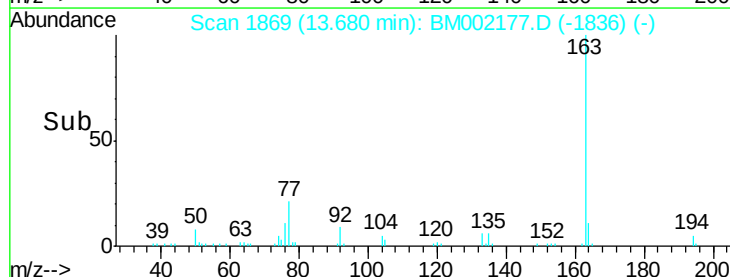
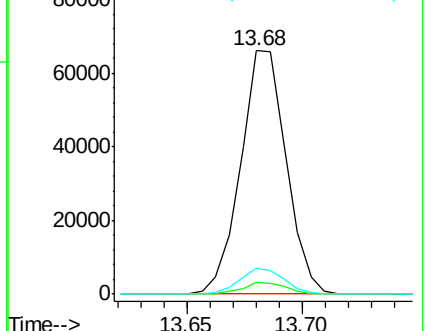
164 10.6 8.0 12.0

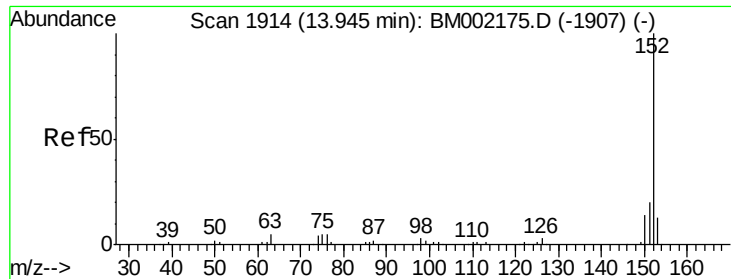


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.42 ng/ul

RT: 13.94 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

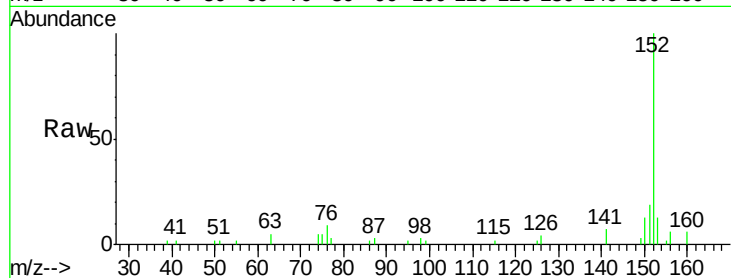
Tgt Ion:152 Resp: 24368

Ion Ratio Lower Upper

152 100

151 19.1 15.6 23.4

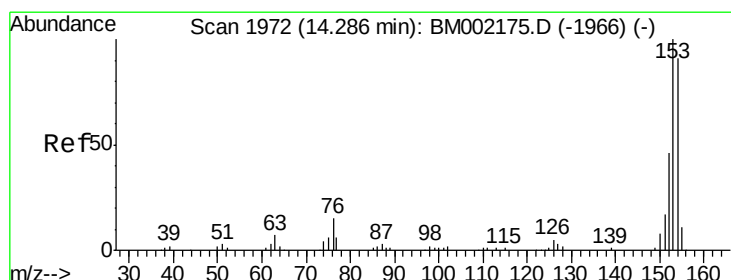
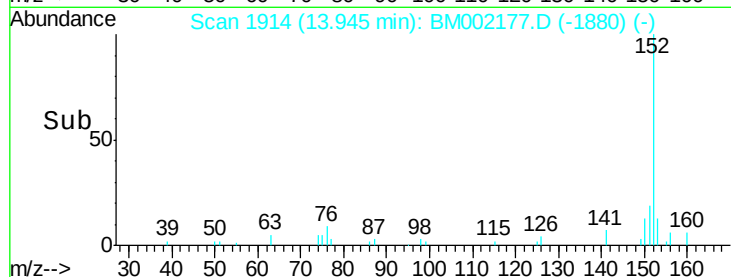
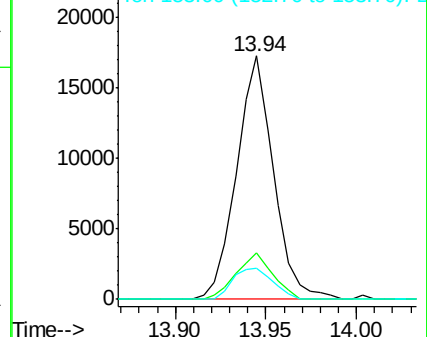
153 12.9 10.3 15.5



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: 1.01 ng/ul

RT: 14.29 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

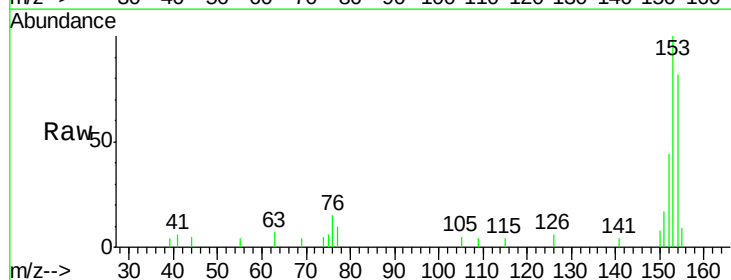
Tgt Ion:153 Resp: 11286

Ion Ratio Lower Upper

153 100

152 44.2 37.3 55.9

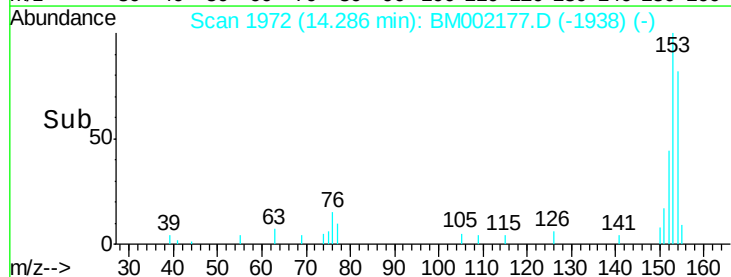
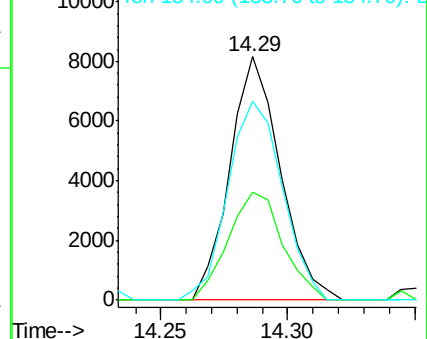
154 81.6 71.4 107.2

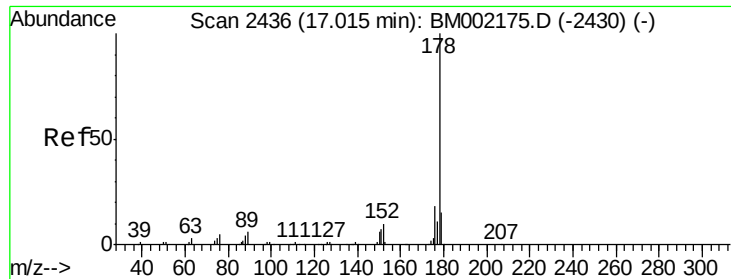


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#70

Phenanthrene

Concen: 12.68 ng/ul

RT: 17.02 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

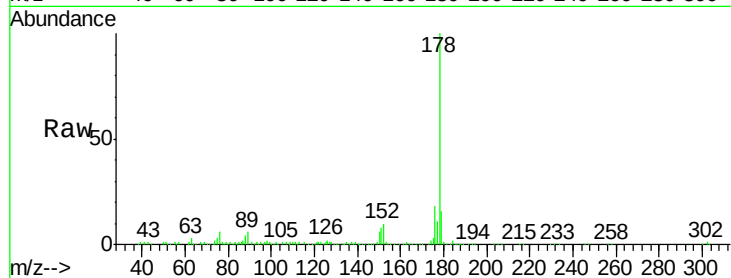
Tgt Ion:178 Resp: 274968

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

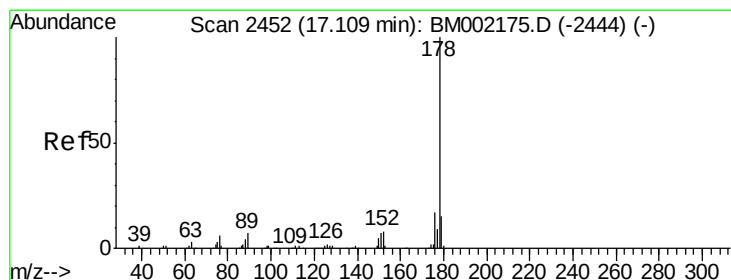
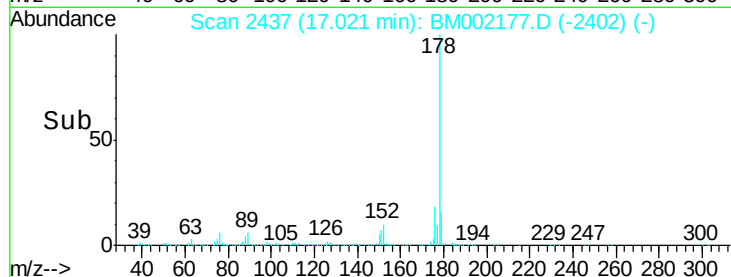
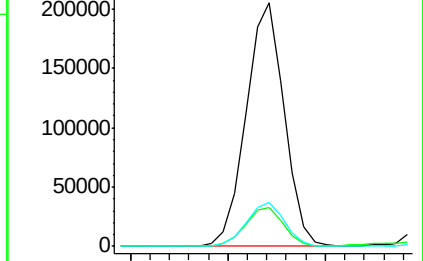
176 17.9 14.2 21.4



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: 3.84 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

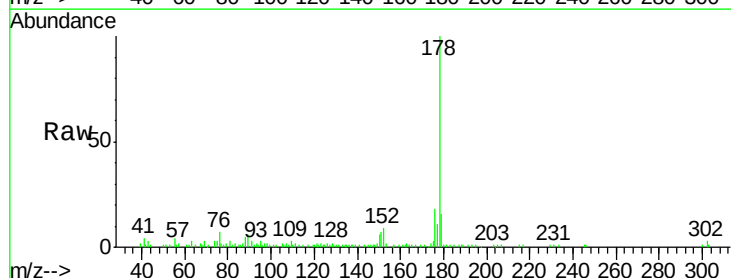
Tgt Ion:178 Resp: 85027

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

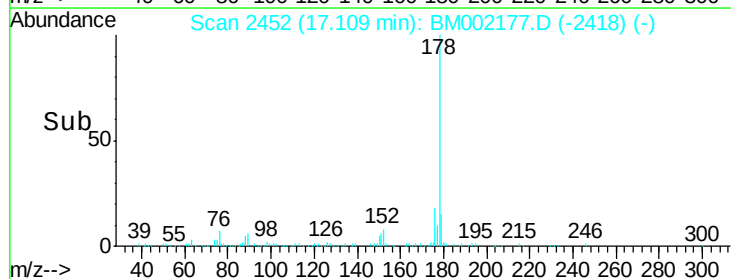
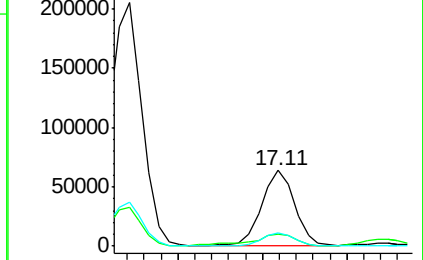
176 18.0 14.1 21.1

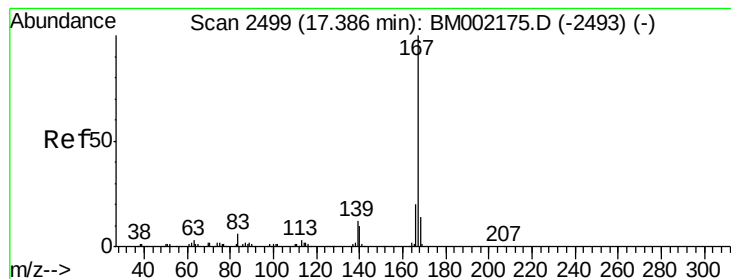


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.20 ng/ul

RT: 17.39 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

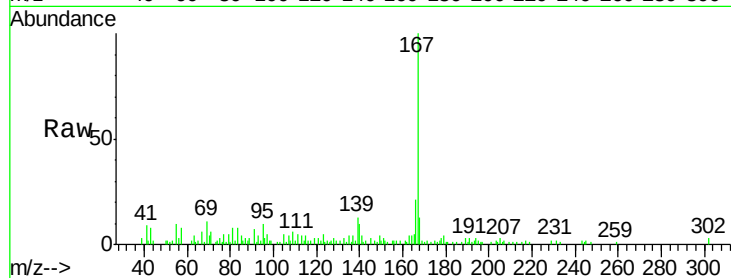
Tgt Ion:167 Resp: 41682

Ion Ratio Lower Upper

167 100

166 20.5 16.2 24.4

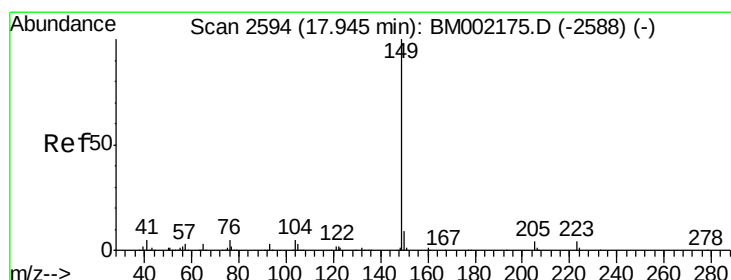
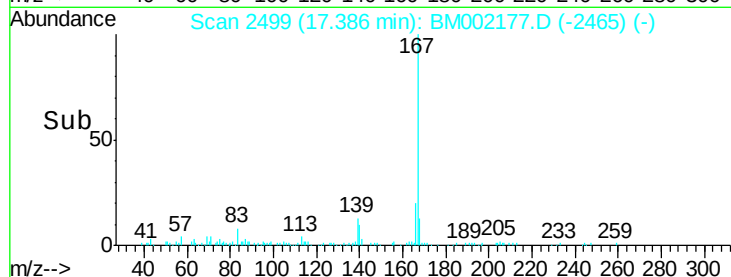
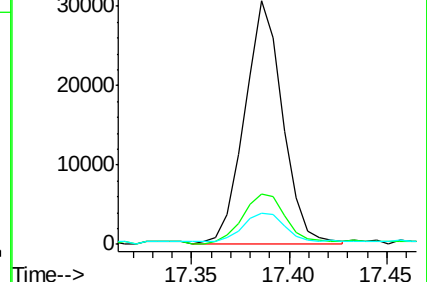
139 12.6 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Di-n-butylphthalate

Concen: 2.53 ng/ul

RT: 17.94 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

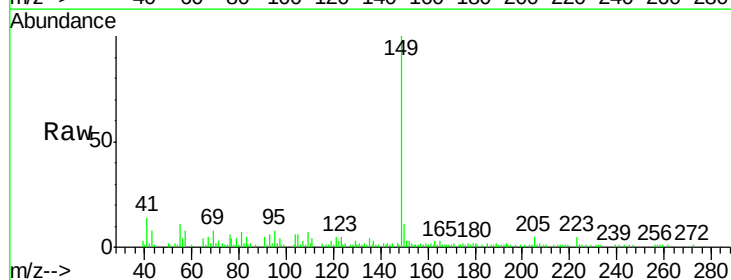
Tgt Ion:149 Resp: 57029

Ion Ratio Lower Upper

149 100

150 10.6 7.0 10.4#

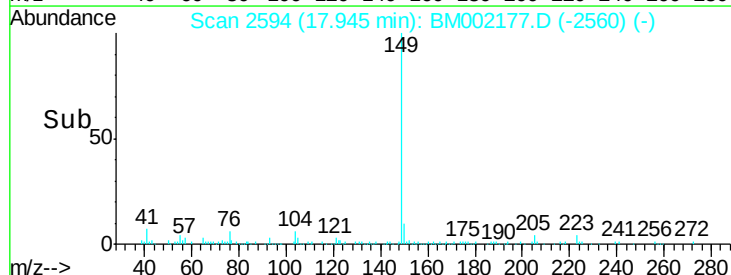
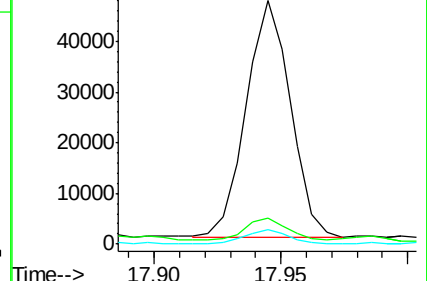
104 5.8 4.2 6.2

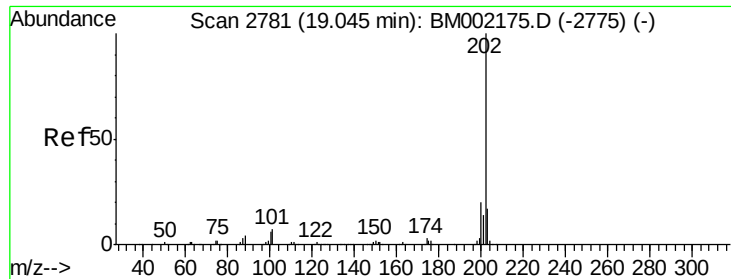


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

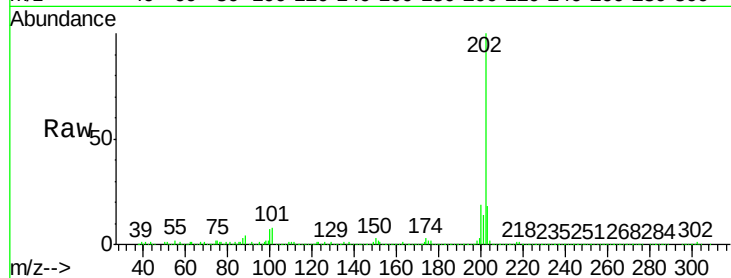




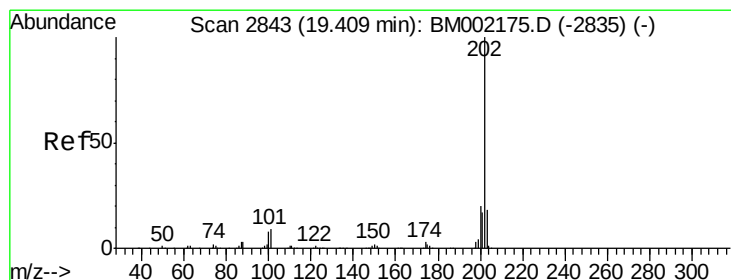
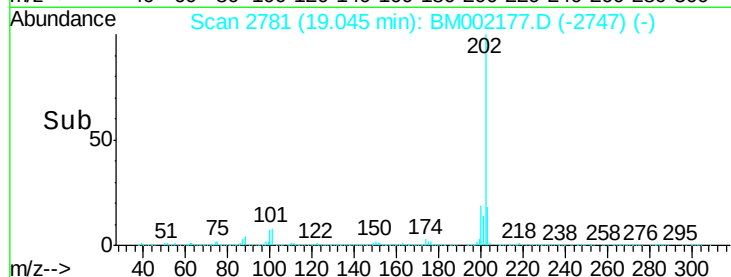
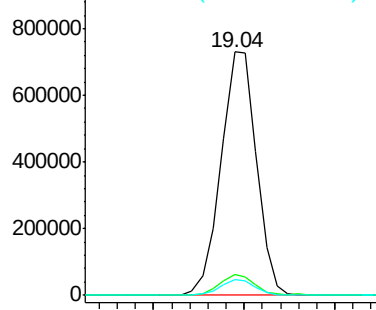
#77
Fluoranthene
Concen: 39.65 ng/ul
RT: 19.04 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

Instrument :
BNA_M
ClientSampleId :
C01N6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.2	9.4
100	6.6	5.2	7.8

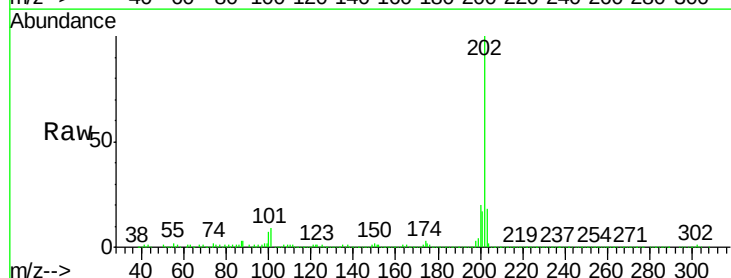


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

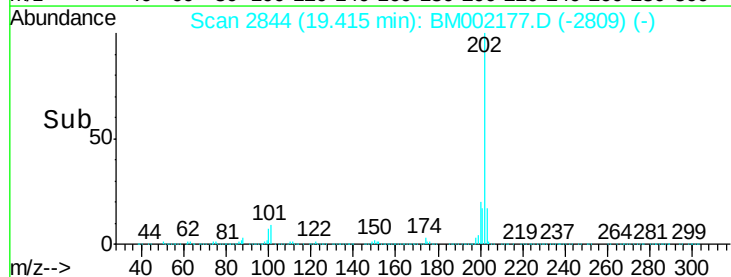
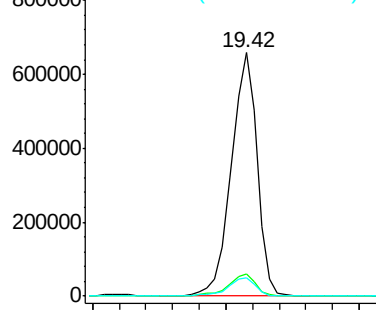


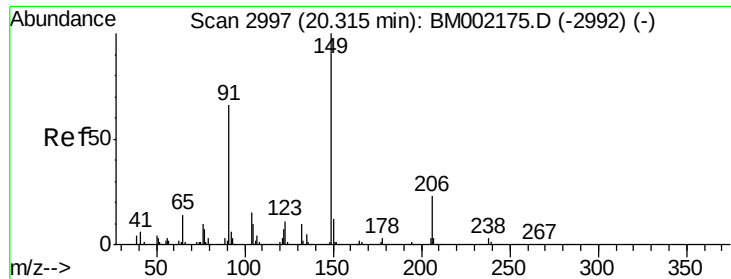
#80
Pyrene
Concen: 35.06 ng/ul
RT: 19.42 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.2
100	7.3	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

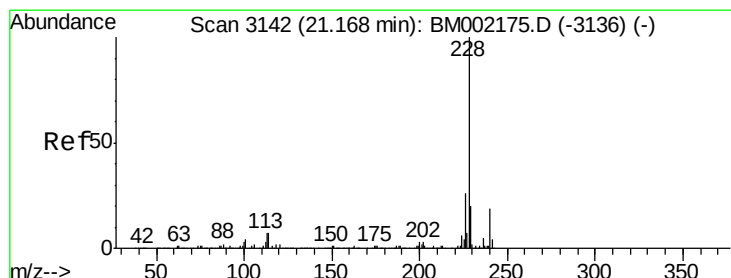
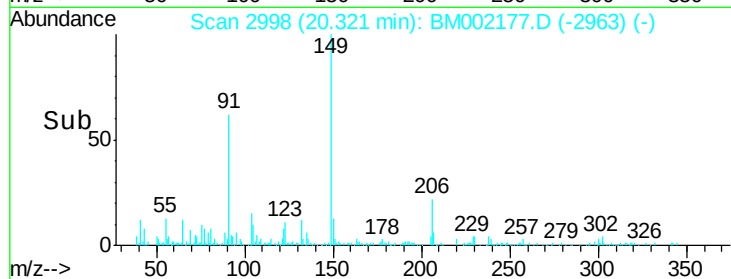
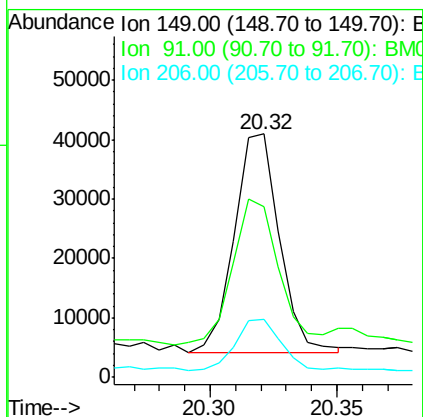
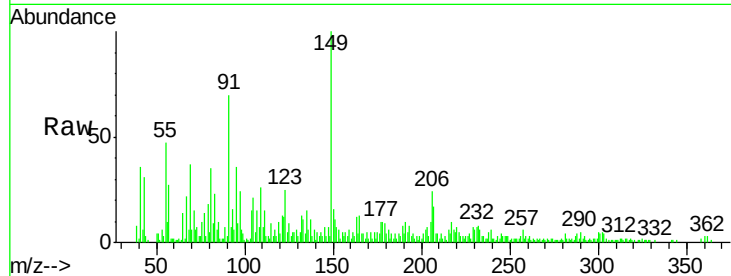




#81
Butylbenzylphthalate
Concen: 4.74 ng/ul
RT: 20.32 min Scan# 2998
Delta R.T. 0.01 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

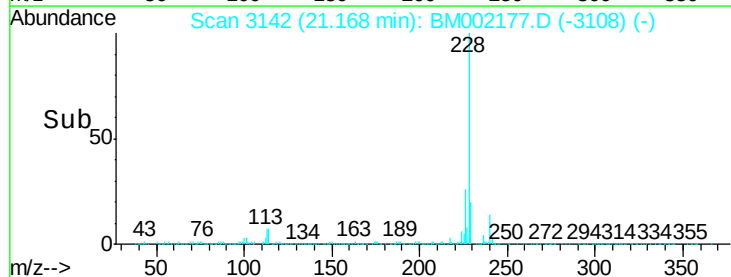
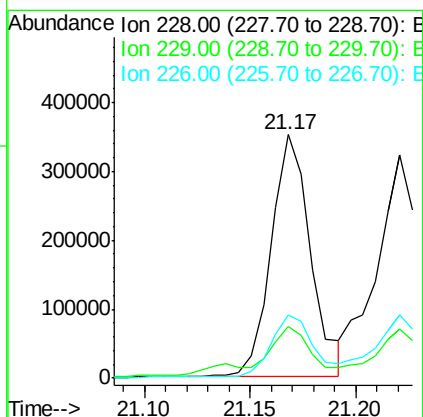
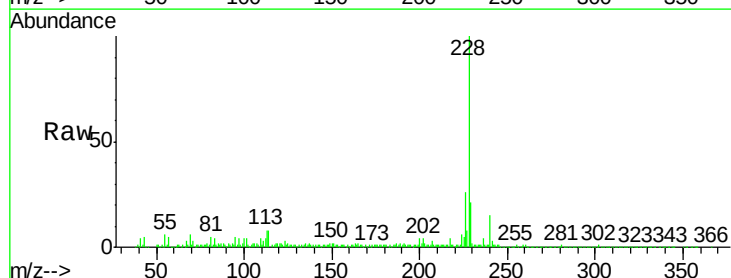
Instrument :
BNA_M
ClientSampled :
C01N6

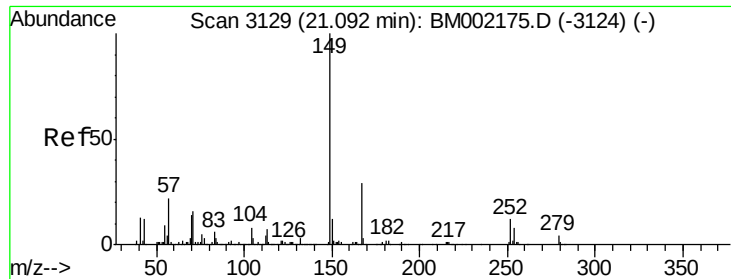
Tgt Ion:149 Resp: 45227
Ion Ratio Lower Upper
149 100
91 69.9 52.4 78.6
206 23.8 19.9 29.9



#83
Benzo(a)anthracene
Concen: 17.99 ng/ul
RT: 21.17 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

Tgt Ion:228 Resp: 457576
Ion Ratio Lower Upper
228 100
229 21.0 15.4 23.2
226 26.0 20.5 30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.67 ng/ul

RT: 21.10 min Scan# 3130

Delta R.T. 0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

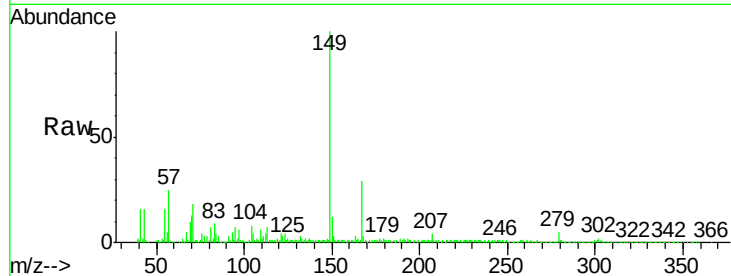
Tgt Ion:149 Resp: 272566

Ion Ratio Lower Upper

149 100

167 28.8 23.6 35.4

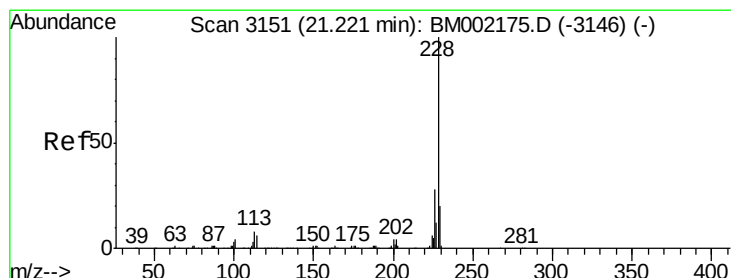
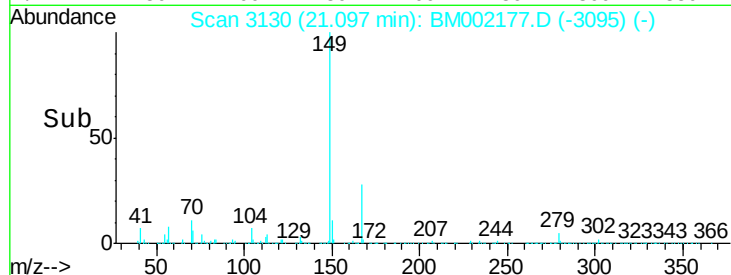
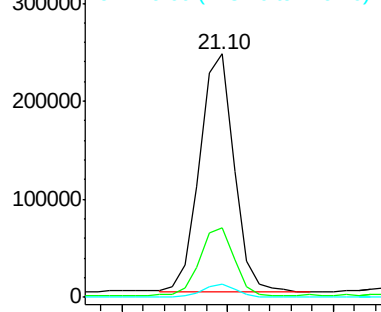
279 5.5 4.2 6.4



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: 18.23 ng/ul

RT: 21.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

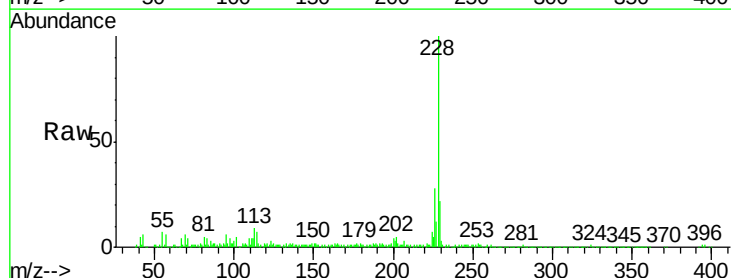
Tgt Ion:228 Resp: 433750

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

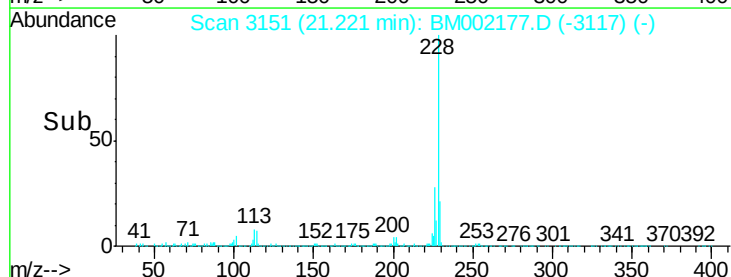
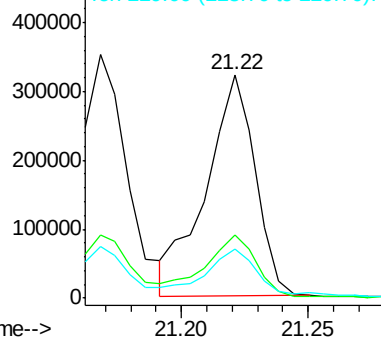
229 22.1 15.5 23.3

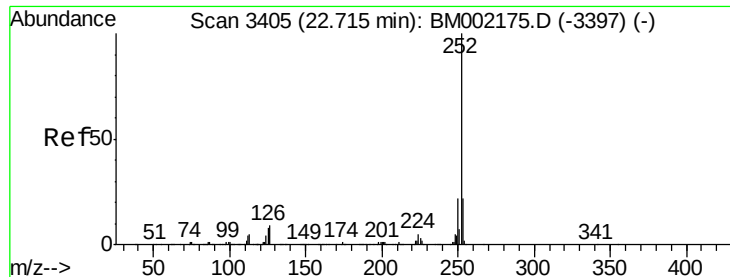


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

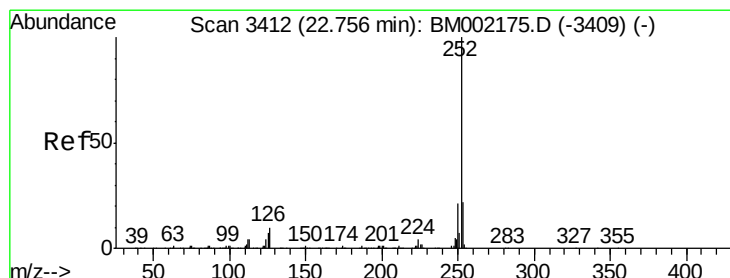
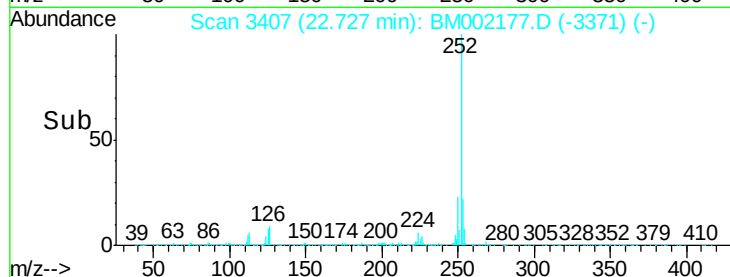
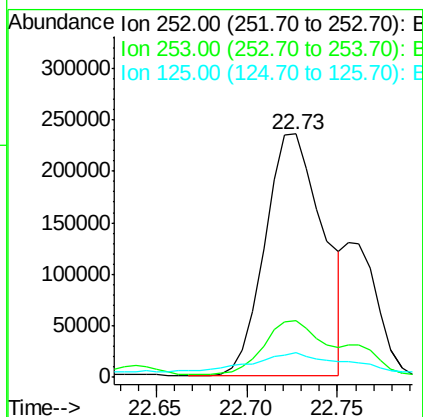
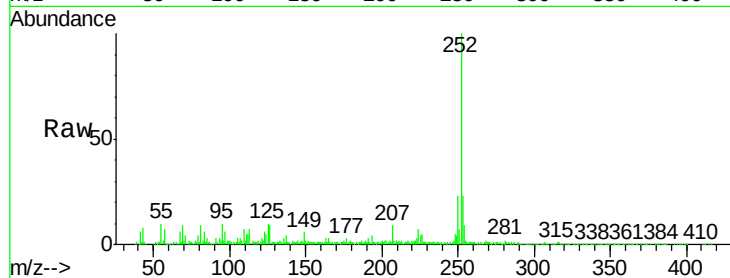




#88
Benzo(b)fluoranthene
Concen: 24.69 ng/ul
RT: 22.73 min Scan# 3407
Delta R.T. 0.01 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

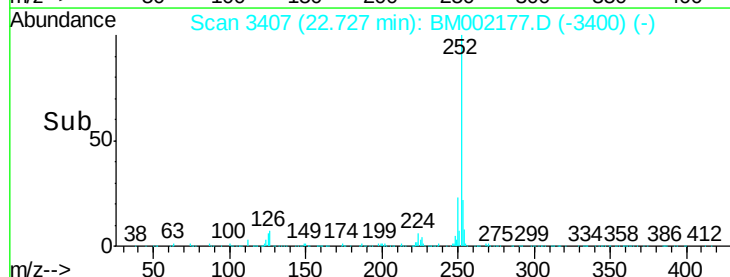
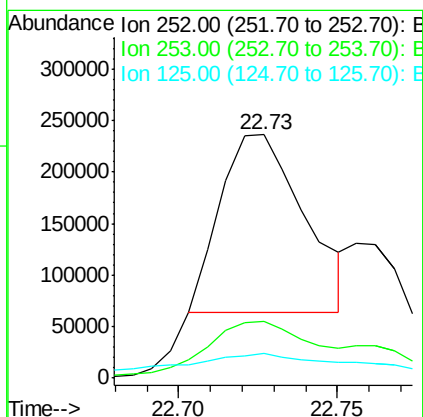
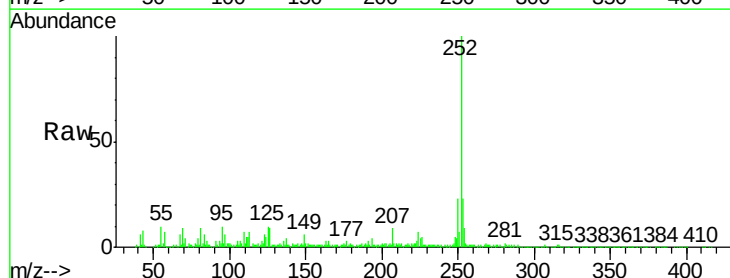
Instrument :
BNA_M
ClientSampleId :
C01N6

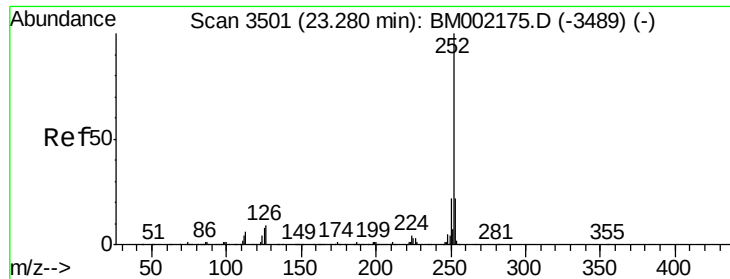
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.9	25.3
125	10.0	6.2	9.2#



#89
Benzo(k)fluoranthene
Concen: 15.40 ng/ul
RT: 22.73 min Scan# 3407
Delta R.T. -0.03 min
Lab File: BM002177.D
Acq: 02 Aug 2015 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	10.0	6.2	9.4#





#91

Benzo(a)pyrene

Concen: 14.46 ng/ul

RT: 23.29 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

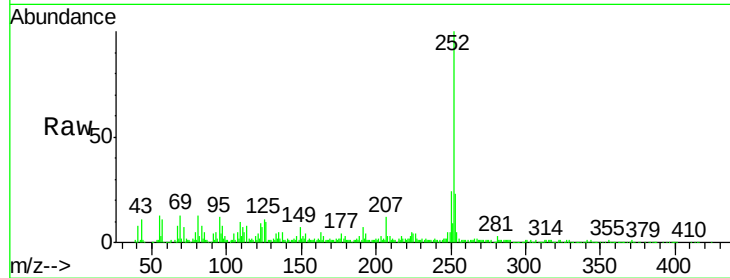
Tgt Ion:252 Resp: 297423

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 10.6 6.6 10.0#

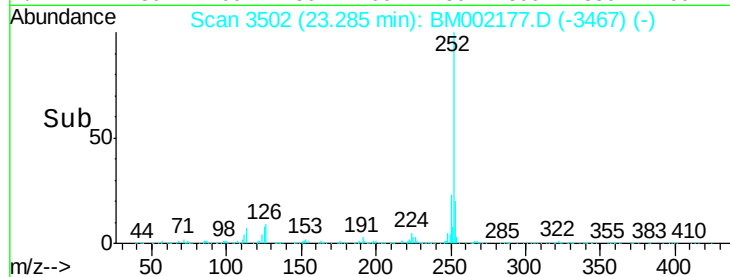


Abundance Ion 252.00 (251.70 to 252.70): E

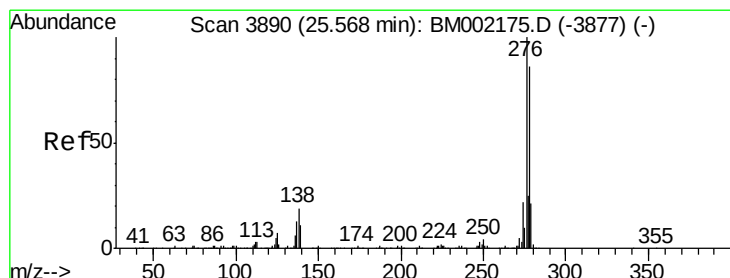
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#92

Indeno(1,2,3-cd)pyrene

Concen: 8.40 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. 0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

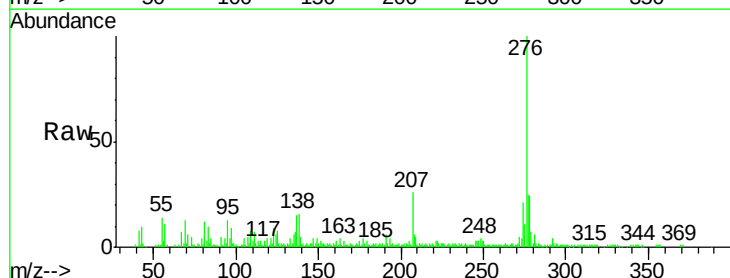
Tgt Ion:276 Resp: 199036

Ion Ratio Lower Upper

276 100

138 16.4 16.2 24.2

277 25.1 19.8 29.8

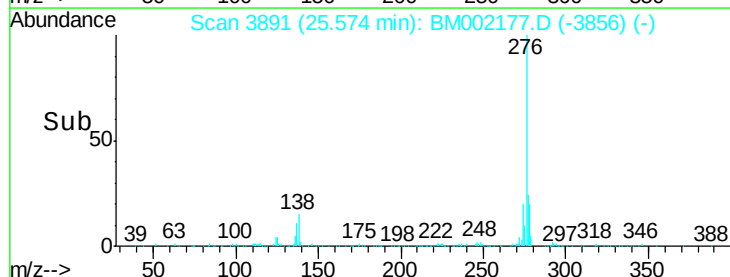


Abundance Ion 276.00 (275.70 to 276.70): E

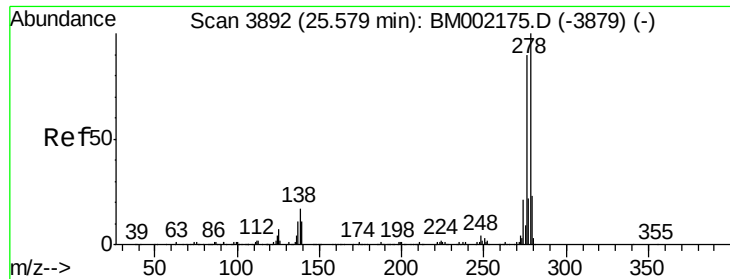
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 2.68 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. -0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

Instrument :

BNA_M

ClientSampleId :

C01N6

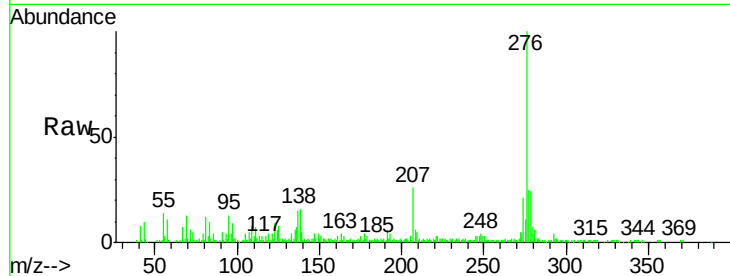
Tgt Ion:278 Resp: 54393

Ion Ratio Lower Upper

278 100

139 19.1 10.6 16.0#

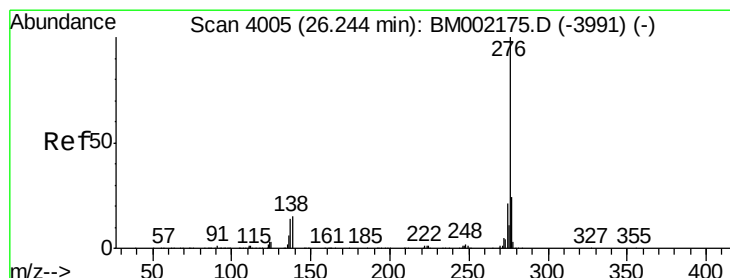
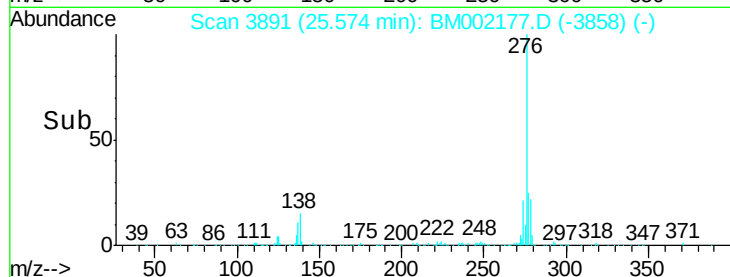
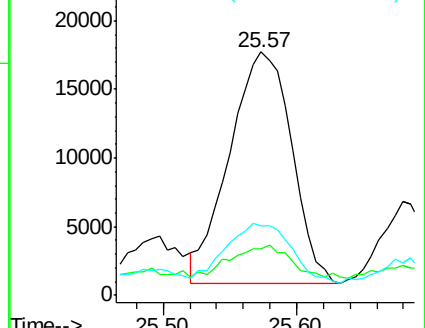
279 28.4 18.5 27.7#



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: 9.16 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.01 min

Lab File: BM002177.D

Acq: 02 Aug 2015 20:03

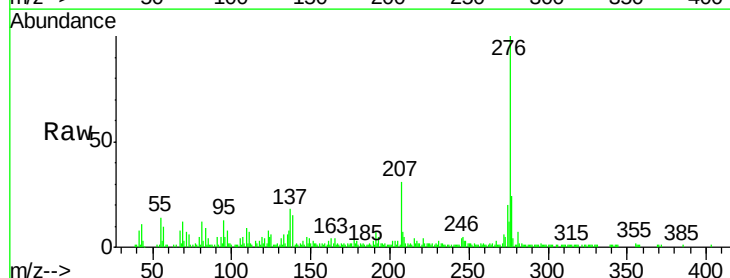
Tgt Ion:276 Resp: 181906

Ion Ratio Lower Upper

276 100

138 15.5 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

