

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002222.D
 Acq On : 04 Aug 2015 22:42
 Operator : TP/UM
 Sample : G3073-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L2RE

Quant Time: Aug 05 04:41:58 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	66428	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	267716	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	143782	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	297846	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	326590	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	311513	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2244	1.92	ng/uL	0.00
5) Phenol-d5	6.72	99	44470	9.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	26162	10.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	40230	9.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	27824	6.79	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	18754	9.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	20725	9.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	35680	8.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	16007	3.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	98038	9.37	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	122746	9.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	6975	5.15	ng/ul	0.00
58) Fluorene-d10	15.20	176	83446	9.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	3951	2.30	ng/ul	0.00
71) Anthracene-d10	17.05	188	120290	9.07	ng/ul	0.00
79) Pyrene-d10	19.36	212	131595	8.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	150854	9.97	ng/ul	0.00

Target Compounds

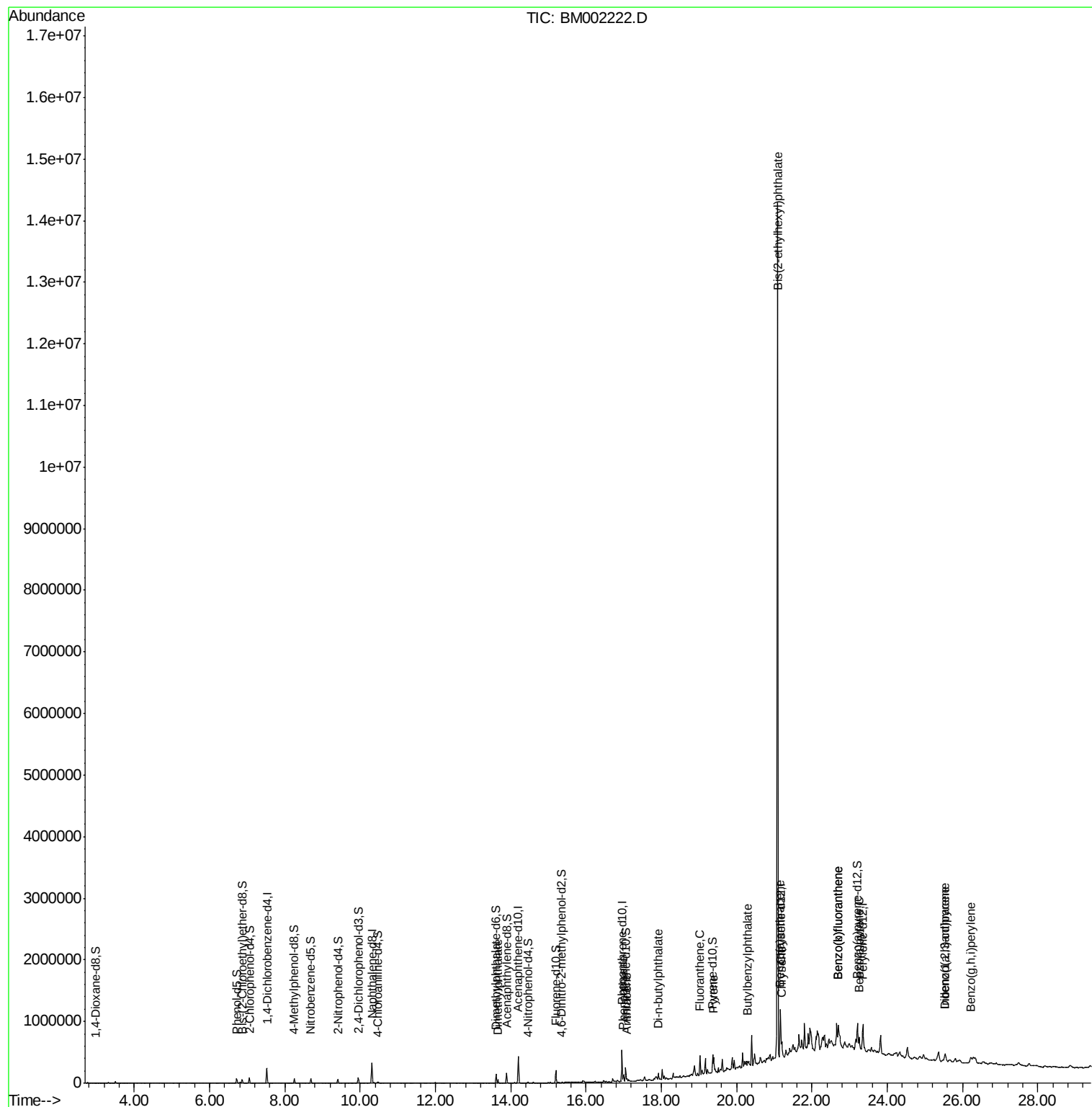
						Qvalue
45) Dimethylphthalate	13.66	163	34717	3.33	ng/ul	98
70) Phenanthrene	17.00	178	68780	4.50	ng/ul	99
72) Anthracene	17.09	178	28777	1.84	ng/ul	95
76) Di-n-butylphthalate	17.92	149	72874	4.73	ng/ul	99
77) Fluoranthene	19.02	202	185446	11.08	ng/ul	100
80) Pyrene	19.39	202	170582	8.50	ng/ul	99
81) Butylbenzylphthalate	20.29	149	17672	2.44	ng/ul	88
83) Benzo(a)anthracene	21.14	228	121201	6.62	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.09	149	5265537	511.40	ng/ul#	95
85) Chrysene	21.20	228	144305	8.57	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	228794	13.04	ng/ul#	95
89) Benzo(k)fluoranthene	22.70	252	106315	6.25	ng/ul#	96
91) Benzo(a)pyrene	23.26	252	128000	7.64	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.54	276	115343	6.11	ng/ul	95
93) Dibenzo(a,h)anthracene	25.54	278	32305	2.01	ng/ul#	81
94) Benzo(g,h,i)perylene	26.21	276	106101	6.74	ng/ul	97

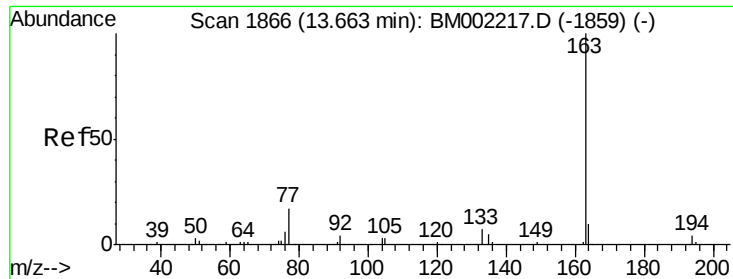
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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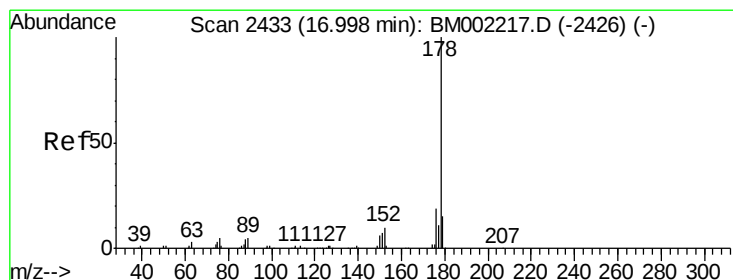
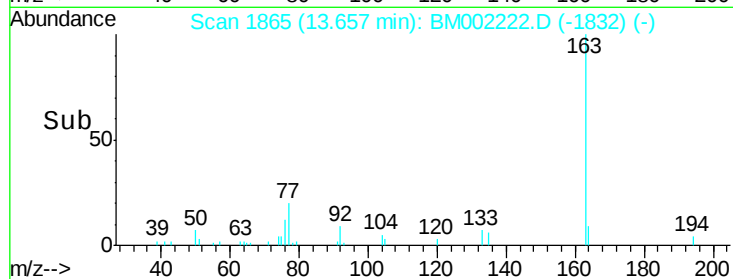
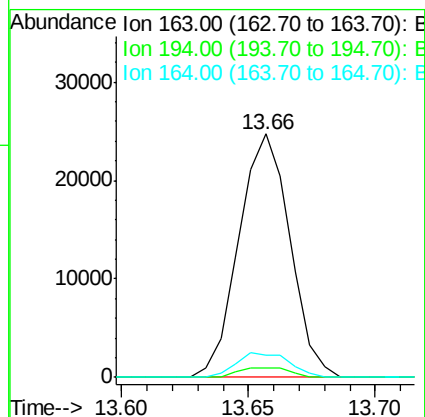
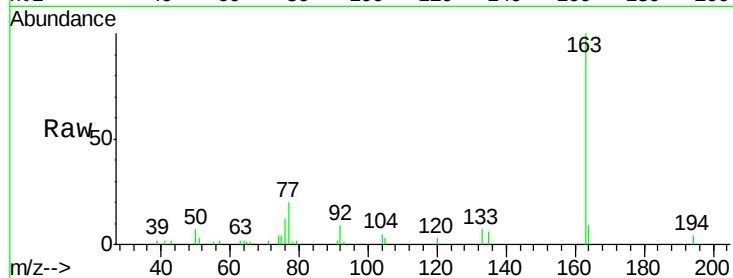




#45
Dimethylphthalate
Concen: 3.33 ng/ul
RT: 13.66 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

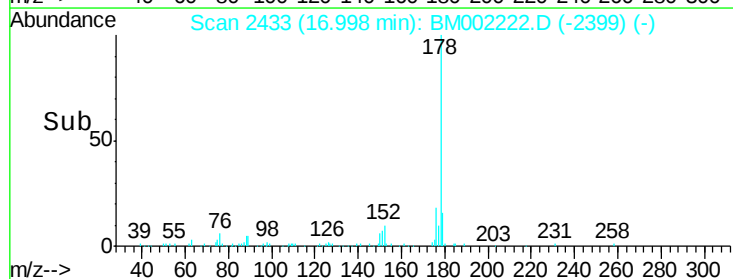
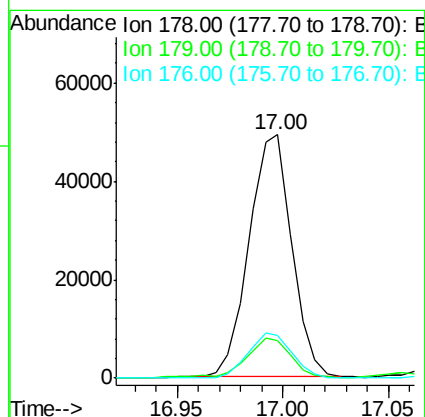
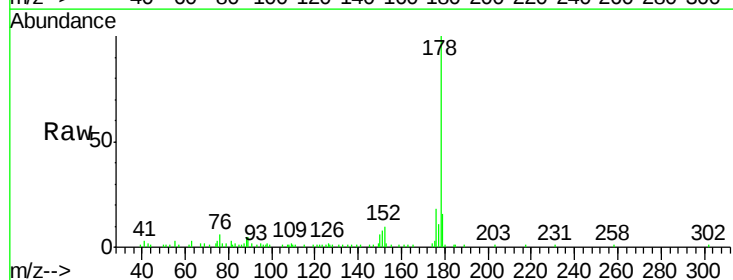
Instrument :
BNA_M
ClientSampleId :
C01L2RE

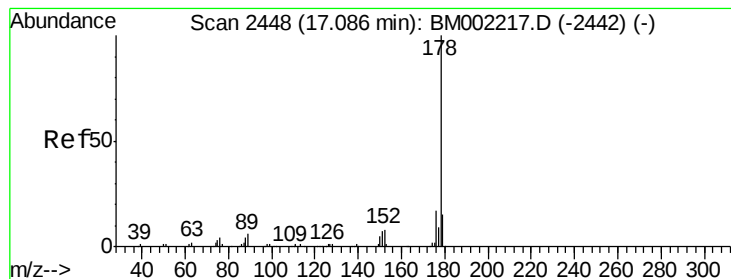
Tgt Ion:163 Resp: 34717
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 8.9 7.9 11.9



#70
Phenanthrene
Concen: 4.50 ng/ul
RT: 17.00 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion:178 Resp: 68780
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 17.6 14.6 21.8





#72

Anthracene

Concen: 1.84 ng/ul

RT: 17.09 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Instrument :

BNA_M

ClientSampleId :

C01L2RE

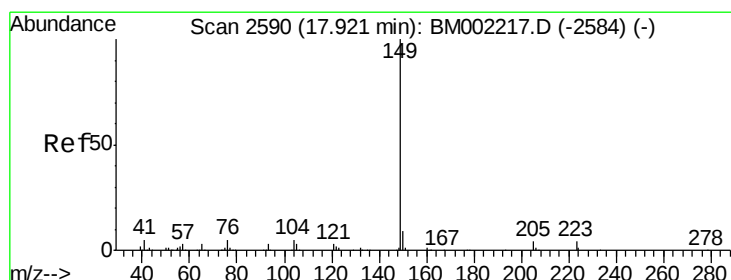
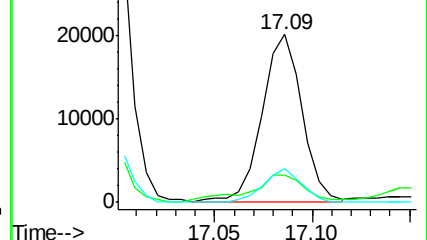
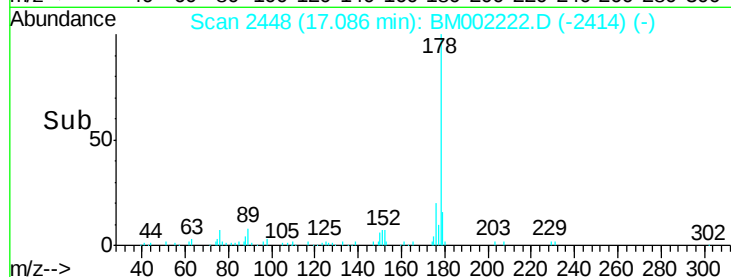
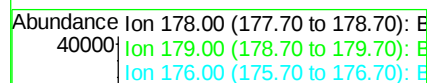
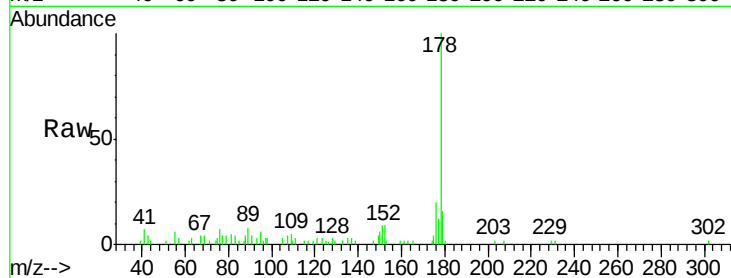
Tgt Ion:178 Resp: 28777

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.2

176 19.8 13.8 20.6



#76

Di-n-butylphthalate

Concen: 4.73 ng/ul

RT: 17.92 min Scan# 2590

Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

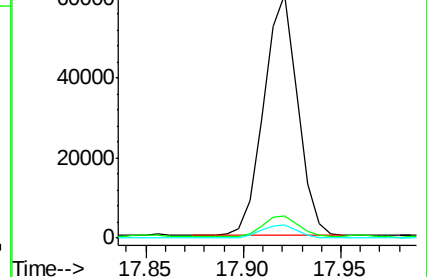
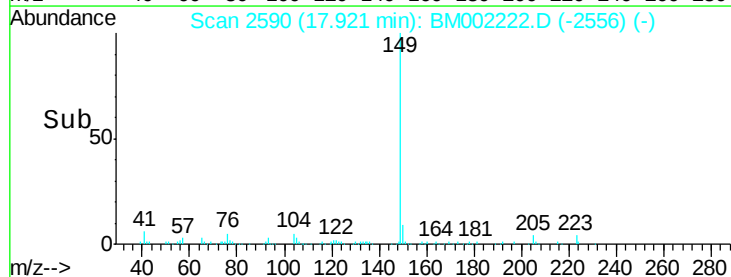
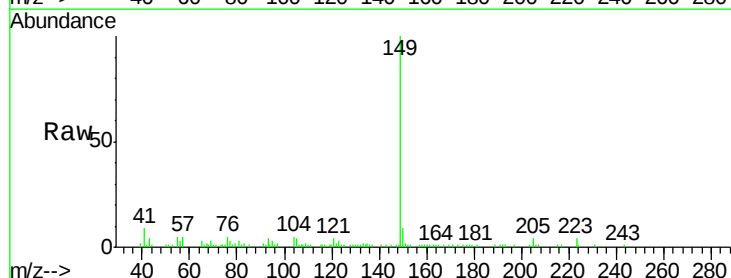
Tgt Ion:149 Resp: 72874

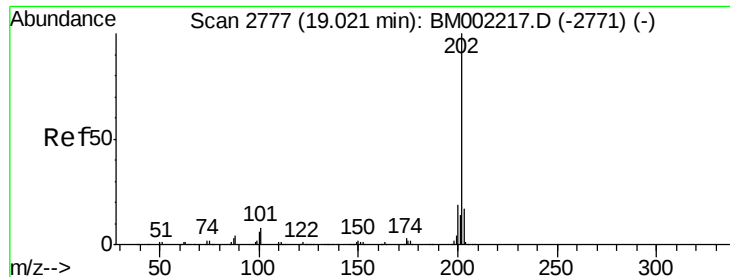
Ion Ratio Lower Upper

149 100

150 8.9 7.0 10.4

104 5.3 4.0 6.0

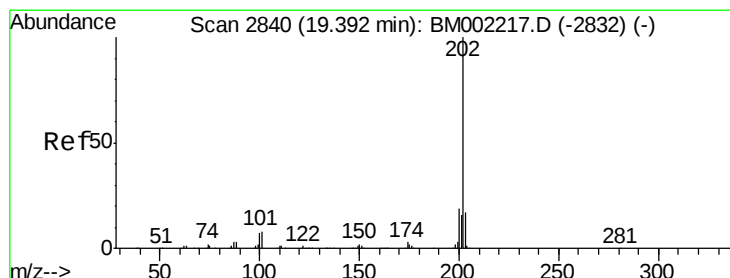
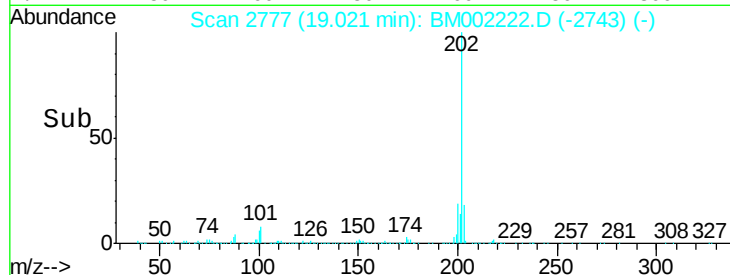
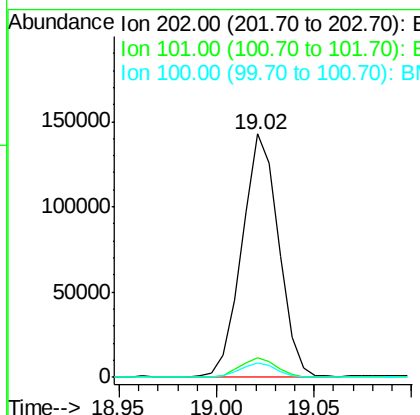
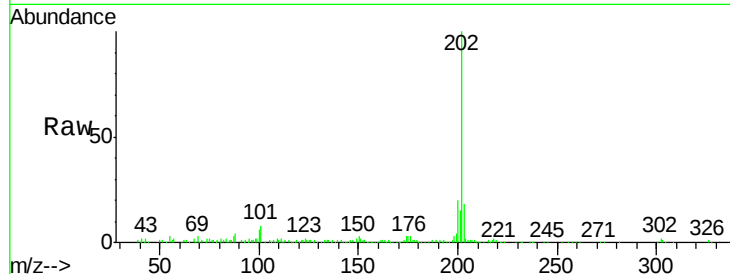




#77
 Fluoranthene
 Concen: 11.08 ng/ul
 RT: 19.02 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BM002222.D
 Acq: 04 Aug 2015 22:42

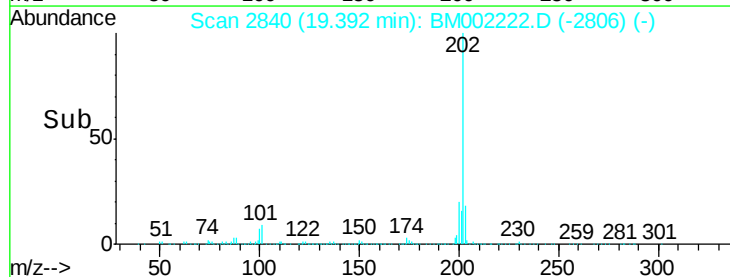
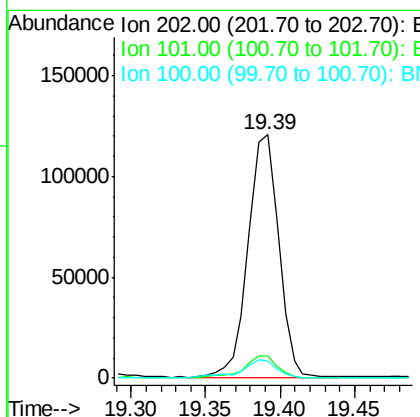
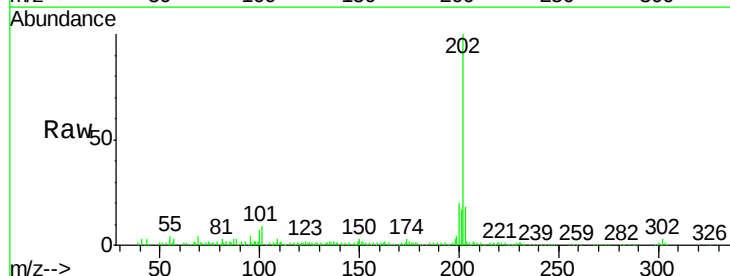
Instrument :
 BNA_M
 ClientSampleId :
 C01L2RE

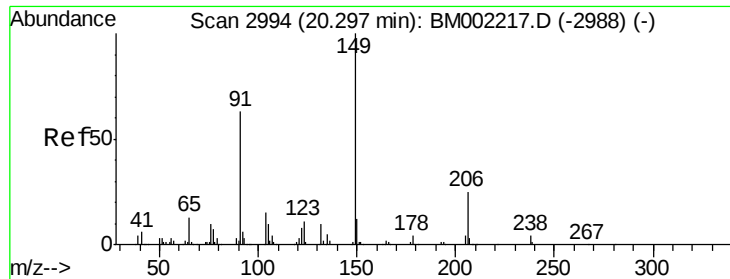
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.2	9.2
100	5.9	4.8	7.2



#80
 Pyrene
 Concen: 8.50 ng/ul
 RT: 19.39 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: BM002222.D
 Acq: 04 Aug 2015 22:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.6
100	6.8	5.8	8.8

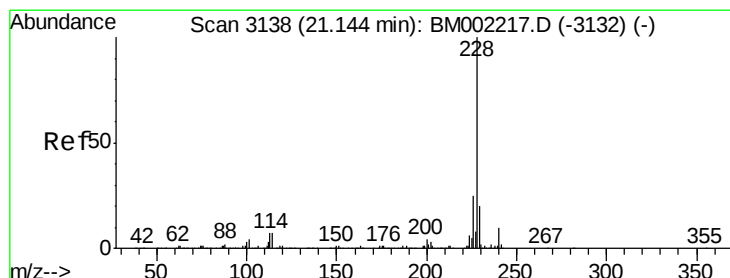
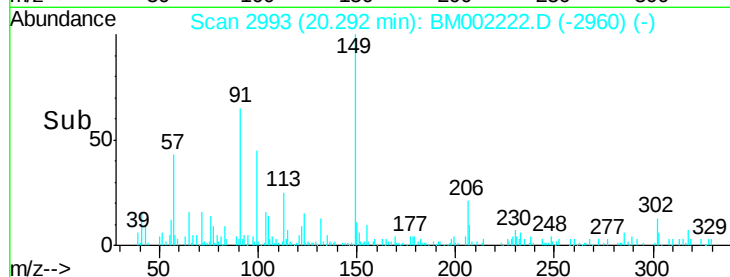
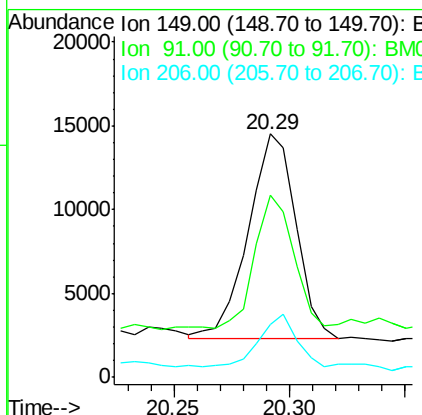
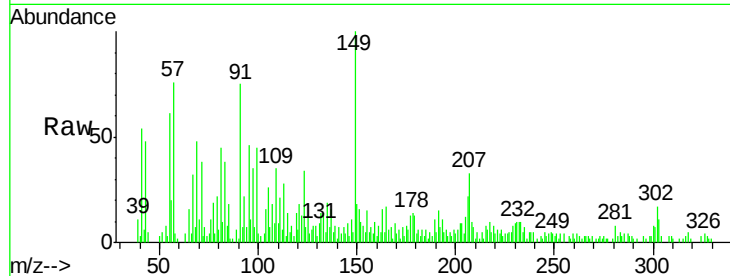




#81
Butylbenzylphthalate
Concen: 2.44 ng/ul
RT: 20.29 min Scan# 2993
Delta R.T. -0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

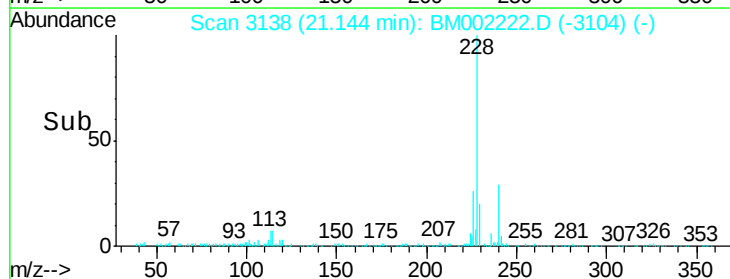
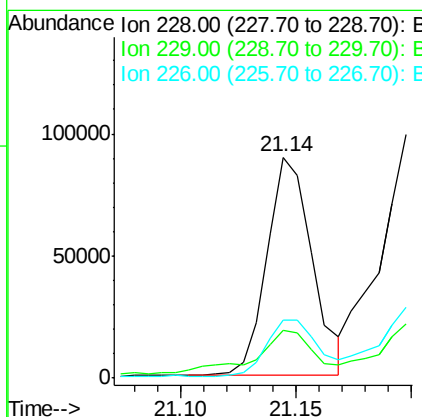
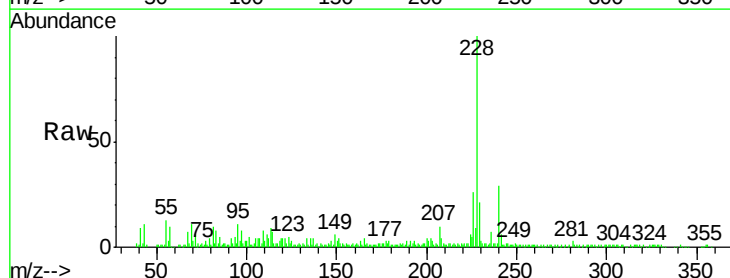
Instrument :
BNA_M
ClientSampleId :
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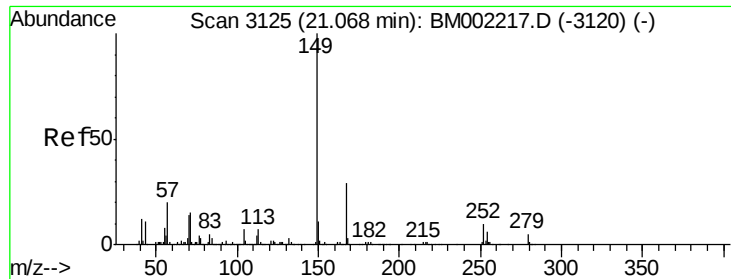
Tgt Ion:149 Resp: 17672
Ion Ratio Lower Upper
149 100
91 74.6 50.6 76.0
206 21.8 19.8 29.6



#83
Benzo(a)anthracene
Concen: 6.62 ng/ul
RT: 21.14 min Scan# 3138
Delta R.T. 0.00 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion:228 Resp: 121201
Ion Ratio Lower Upper
228 100
229 21.5 15.9 23.9
226 26.4 20.6 31.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 511.40 ng/ul

RT: 21.09 min Scan# 3128

Delta R.T. 0.02 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Instrument :

BNA_M

ClientSampleId :

C01L2RE

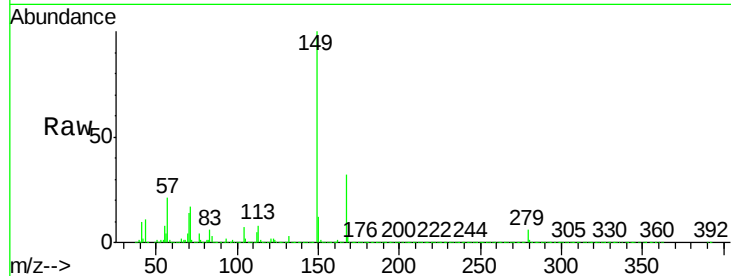
Tgt Ion:149 Resp: 5265537

Ion Ratio Lower Upper

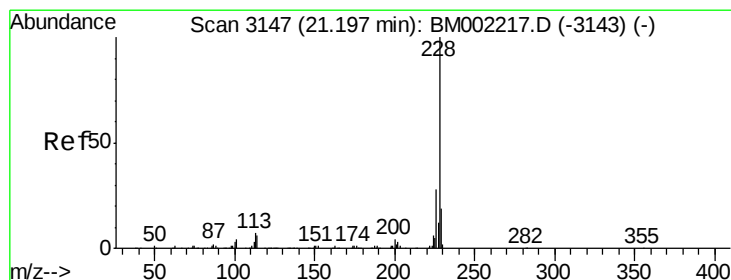
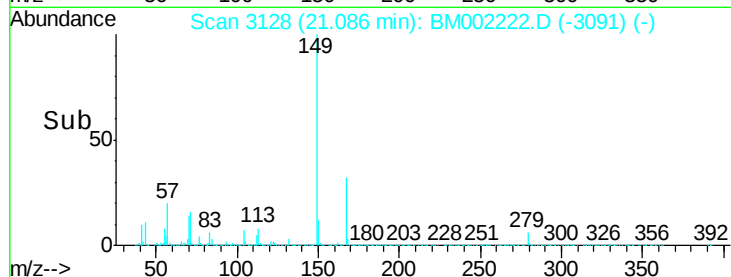
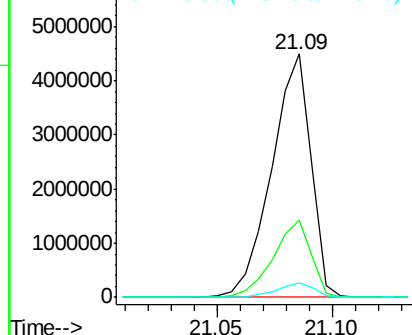
149 100

167 31.6 23.0 34.4

279 6.2 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: 8.57 ng/ul

RT: 21.20 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

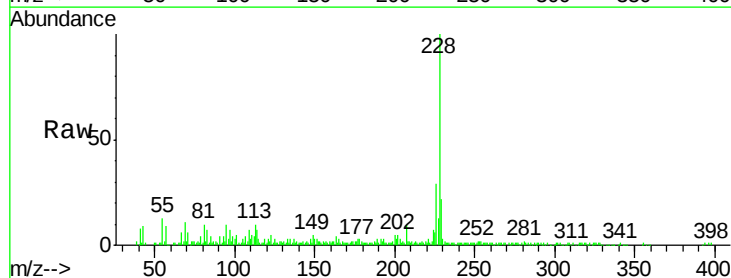
Tgt Ion:228 Resp: 144305

Ion Ratio Lower Upper

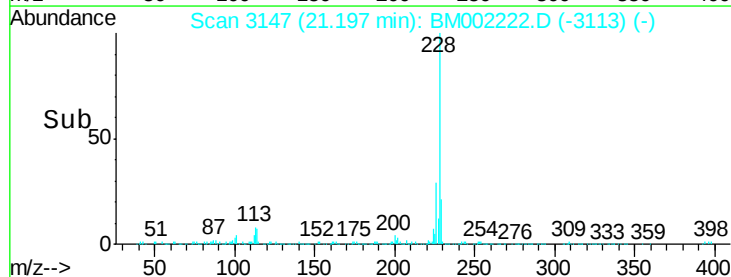
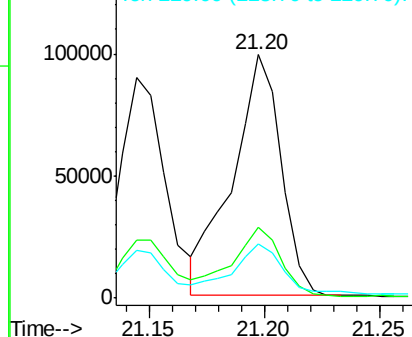
228 100

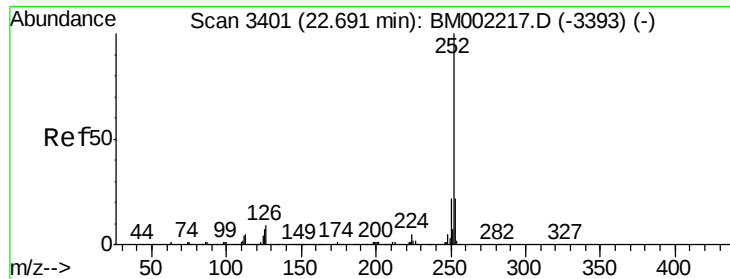
226 29.3 22.2 33.4

229 22.2 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: 13.04 ng/ul

RT: 22.70 min Scan# 3402

Delta R.T. 0.01 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

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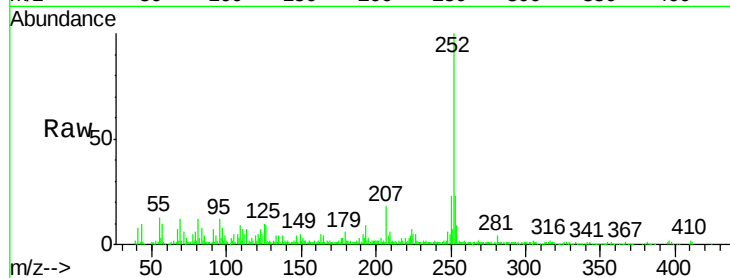
Tgt Ion:252 Resp: 228794

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

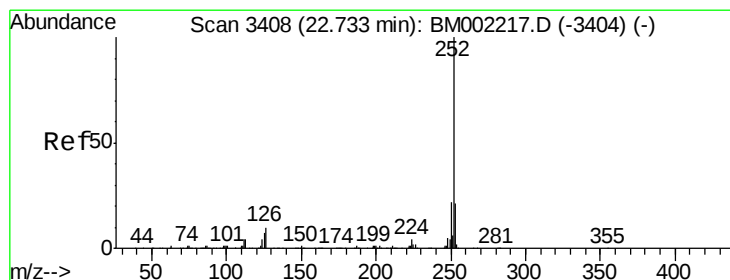
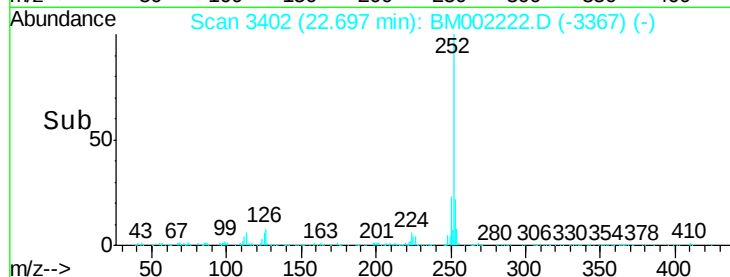
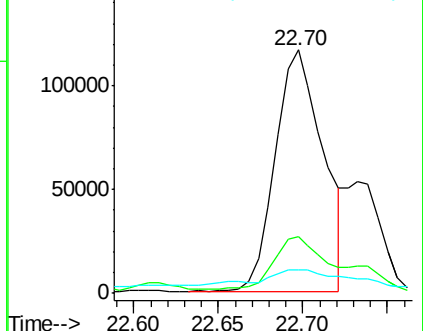
125 9.7 5.4 8.2#



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: 6.25 ng/ul

RT: 22.70 min Scan# 3402

Delta R.T. -0.04 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

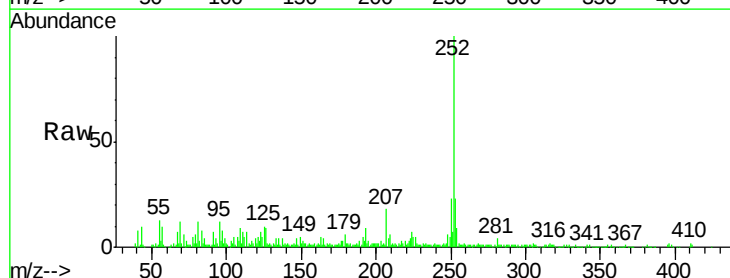
Tgt Ion:252 Resp: 106315

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

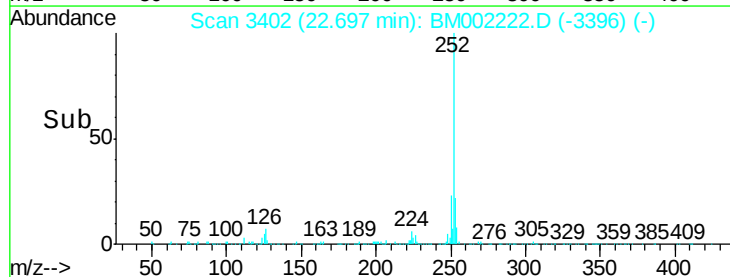
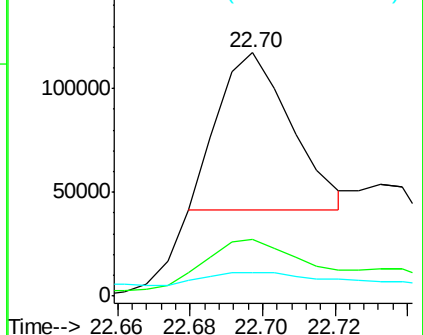
125 9.7 5.6 8.4#

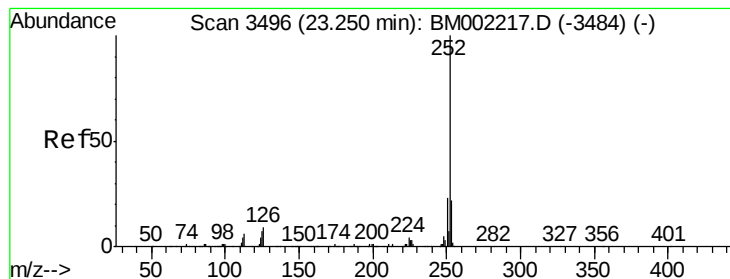


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 7.64 ng/ul

RT: 23.26 min Scan# 3497

Delta R.T. 0.01 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Instrument :

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ClientSampleId :

C01L2RE

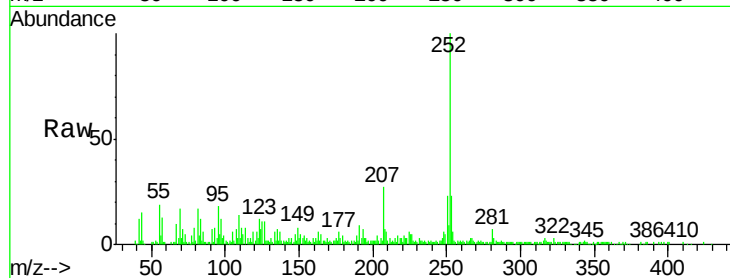
Tgt Ion:252 Resp: 128000

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

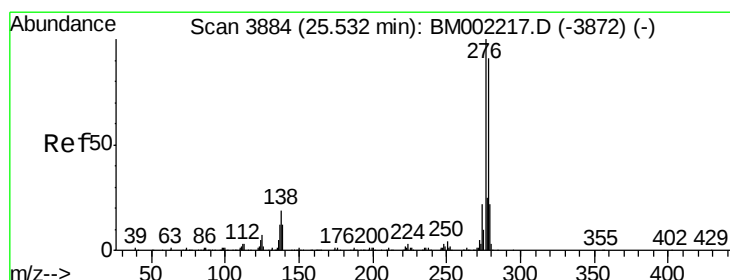
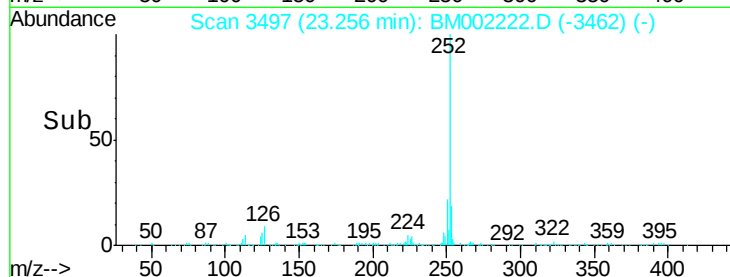
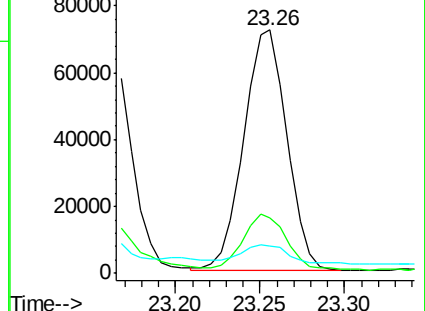
125 11.1 6.1 9.1#



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: 6.11 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.01 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

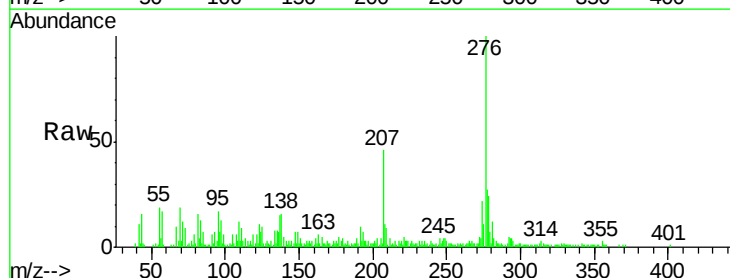
Tgt Ion:276 Resp: 115343

Ion Ratio Lower Upper

276 100

138 16.2 15.4 23.0

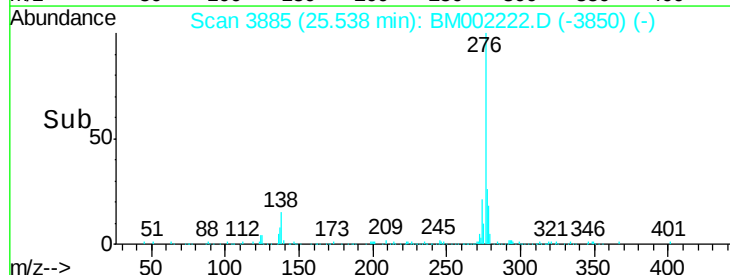
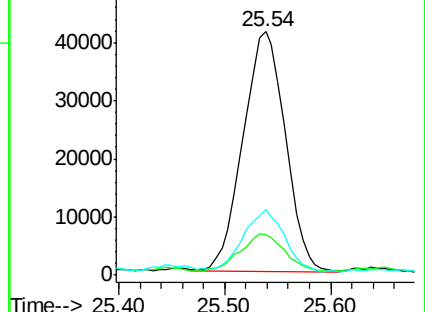
277 27.0 20.2 30.2

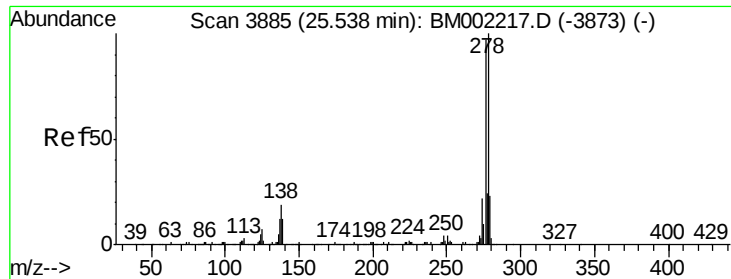


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.01 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Instrument :

BNA_M

ClientSampleId :

C01L2RE

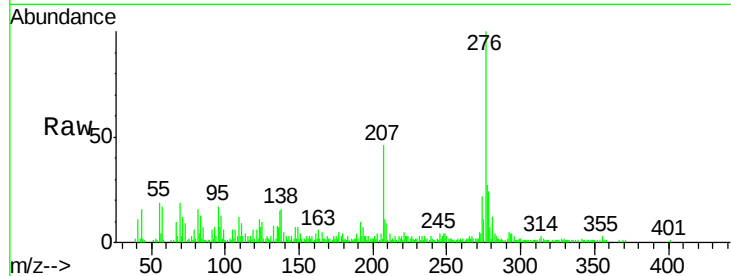
Tgt Ion: 278 Resp: 32305

Ion Ratio Lower Upper

278 100

139 22.1 10.4 15.6#

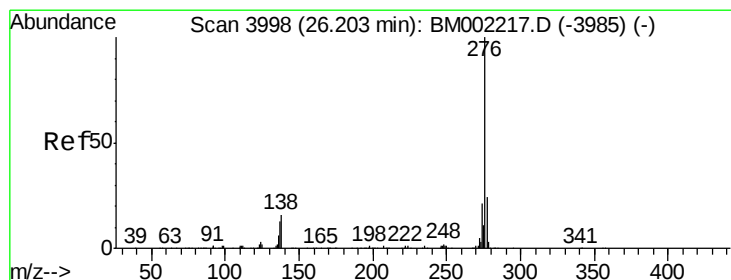
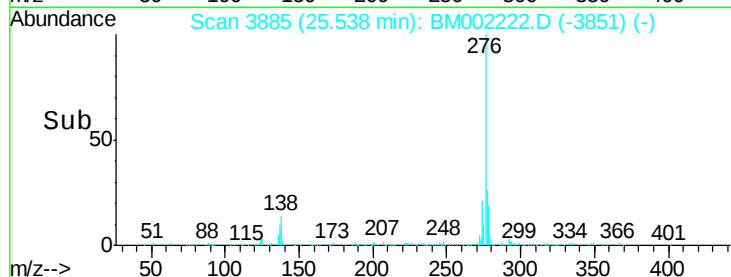
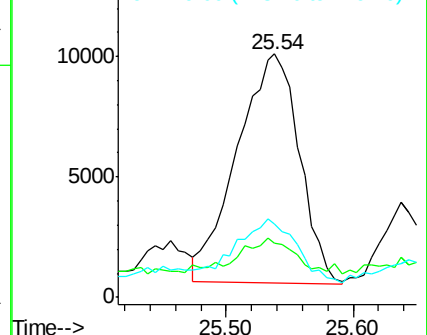
279 30.3 17.9 26.9#



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: 6.74 ng/ul

RT: 26.21 min Scan# 4000

Delta R.T. 0.01 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

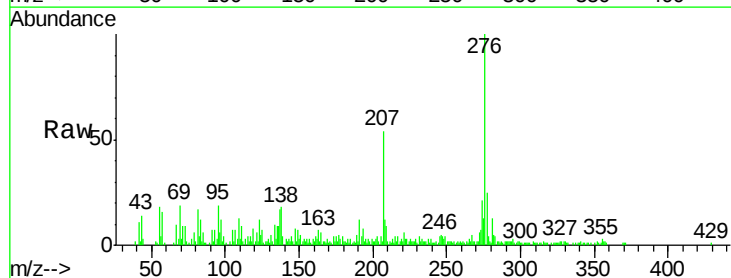
Tgt Ion: 276 Resp: 106101

Ion Ratio Lower Upper

276 100

138 18.0 12.5 18.7

277 24.9 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

