

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002220.D
 Acq On : 04 Aug 2015 21:29
 Operator : TP/UM
 Sample : G3073-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6RE

Quant Time: Aug 05 02:57:26 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	58335	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	244409	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	140756	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	305916	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	336496	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	322646	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2033	1.98	ng/uL	0.00
5) Phenol-d5	6.72	99	42955	9.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	24035	10.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	39091	10.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	30997	8.61	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	17559	9.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	19821	9.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	35031	8.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	19927	4.50	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	100406	9.81	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	125006	9.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	8792	6.63	ng/ul	0.00
58) Fluorene-d10	15.20	176	87711	9.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	6401	3.63	ng/ul	0.00
71) Anthracene-d10	17.05	188	128107	9.41	ng/ul	0.00
79) Pyrene-d10	19.36	212	143420	8.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	161896	10.33	ng/ul	0.00

Target Compounds

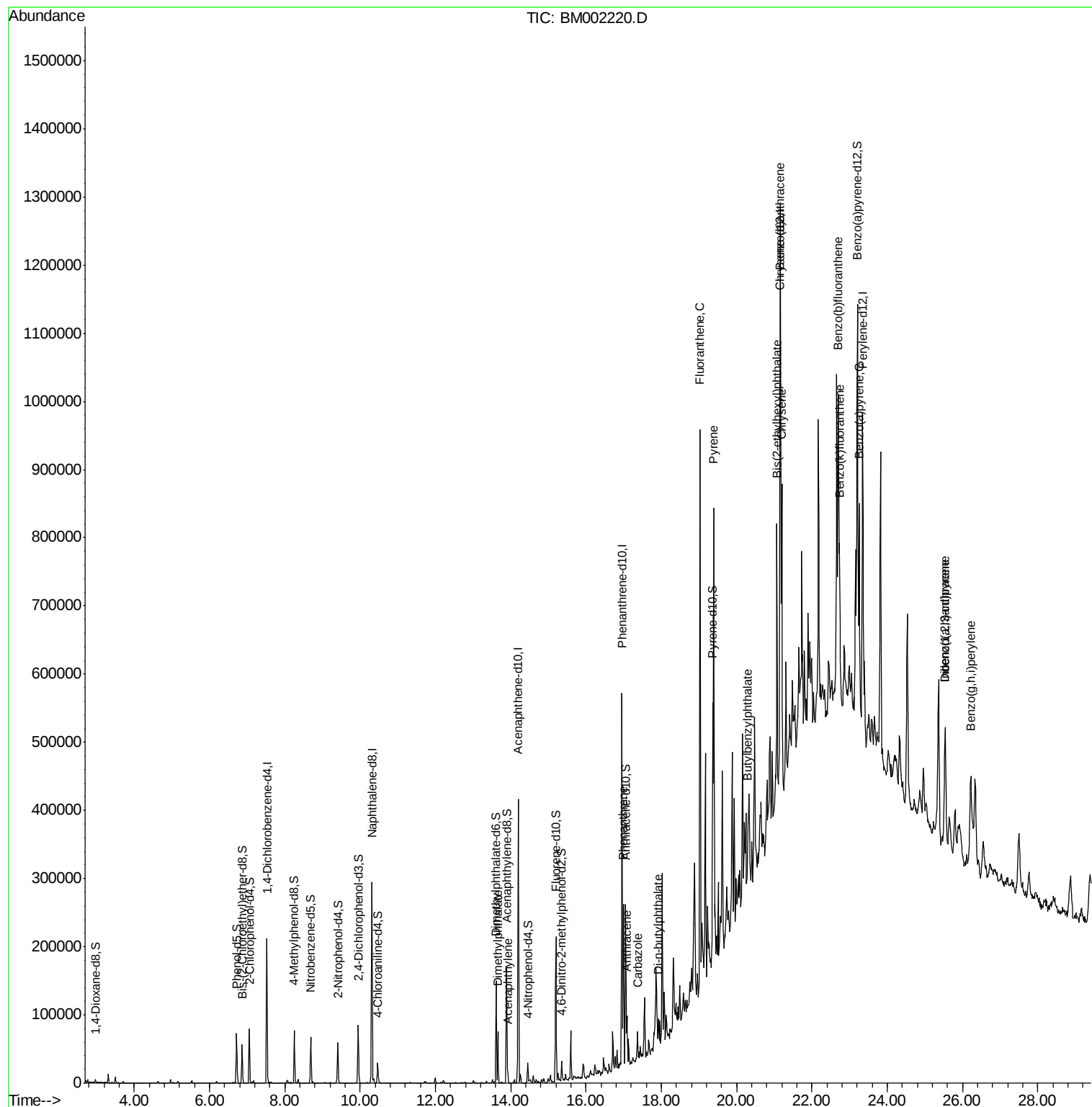
						Qvalue
45) Dimethylphthalate	13.66	163	49924	4.89	ng/ul	97
48) Acenaphthylene	13.92	152	14176	1.07	ng/ul	98
70) Phenanthrene	16.99	178	138782	8.84	ng/ul	99
72) Anthracene	17.08	178	46738	2.91	ng/ul	98
75) Carbazole	17.36	167	21595	1.61	ng/ul#	94
76) Di-n-butylphthalate	17.92	149	27437	1.74	ng/ul#	96
77) Fluoranthene	19.02	202	484819	28.20	ng/ul	100
80) Pyrene	19.39	202	428720	20.73	ng/ul	99
81) Butylbenzylphthalate	20.29	149	21440	2.87	ng/ul	93
83) Benzo(a)anthracene	21.14	228	250922	13.31	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	138877	13.09	ng/ul	99
85) Chrysene	21.20	228	241164	13.90	ng/ul	97
88) Benzo(b)fluoranthene	22.70	252	347873	19.14	ng/ul#	97
89) Benzo(k)fluoranthene	22.73	252	108357	6.15	ng/ul#	94
91) Benzo(a)pyrene	23.25	252	207448	11.95	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.54	276	155546	7.95	ng/ul	97
93) Dibenzo(a,h)anthracene	25.53	278	44357	2.66	ng/ul#	79
94) Benzo(g,h,i)perylene	26.21	276	143658	8.82	ng/ul	98

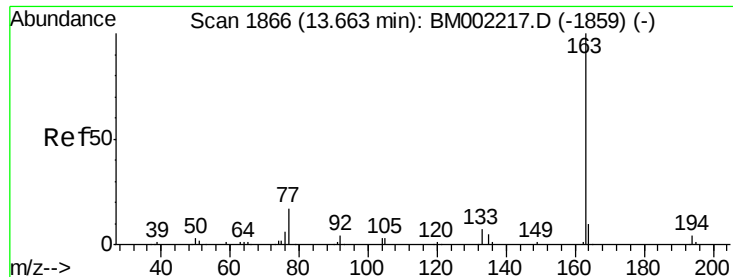
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 4.89 ng/ul

RT: 13.66 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

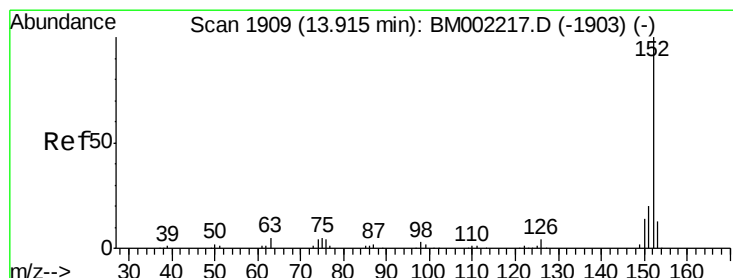
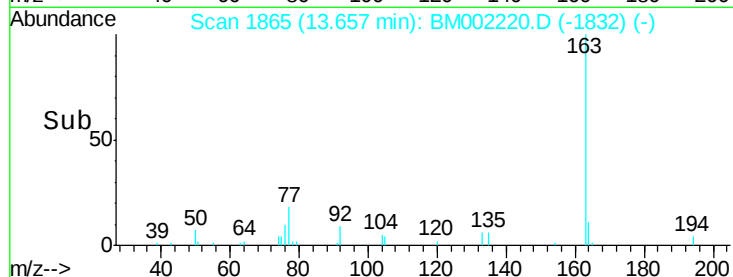
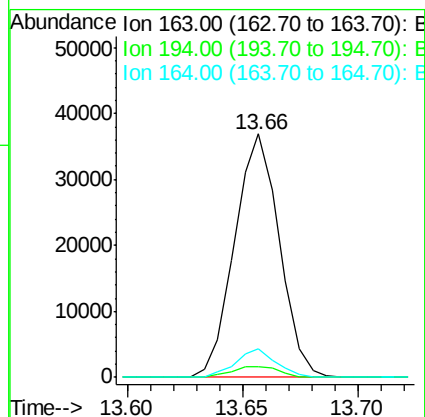
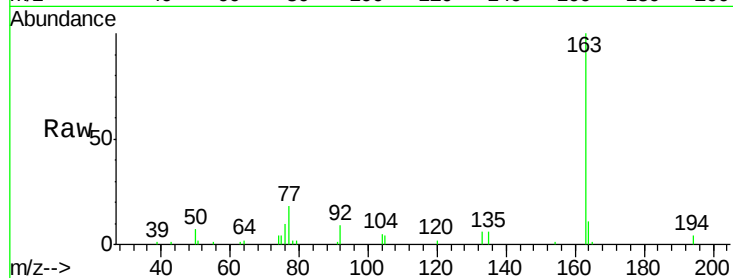
Instrument :

BNA_M

ClientSampleId :

C02L6RE

Tgt Ion:	163	Resp:	49924
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	11.5	7.9	11.9



#48

Acenaphthylene

Concen: 1.07 ng/ul

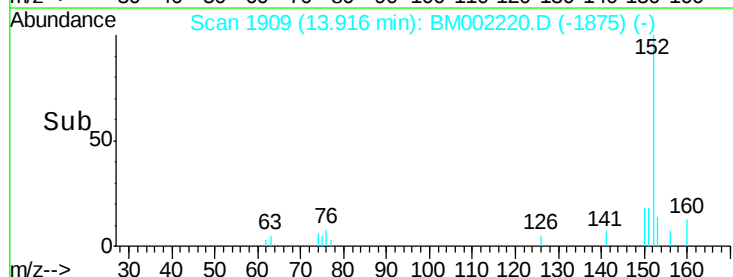
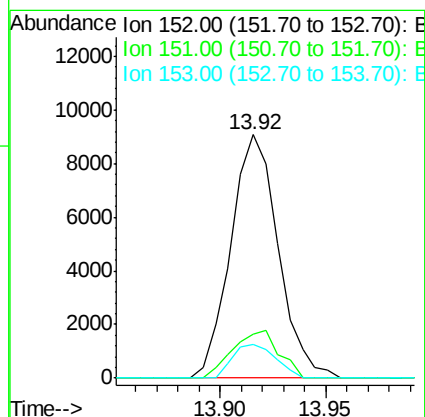
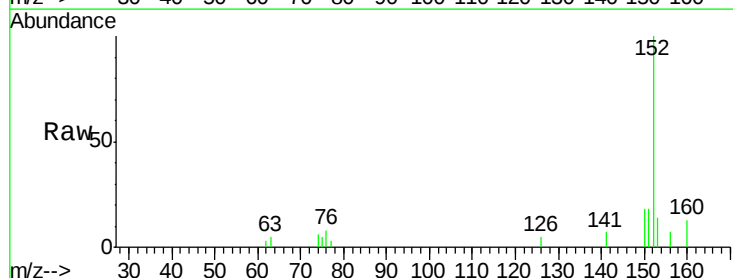
RT: 13.92 min Scan# 1909

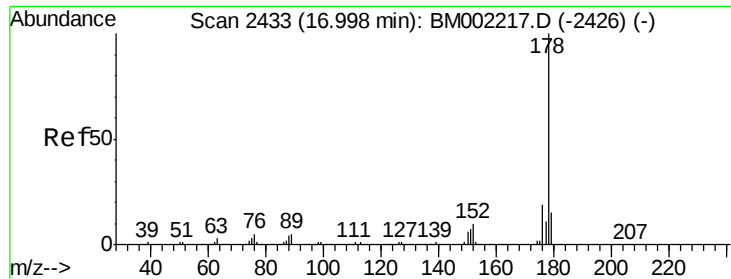
Delta R.T. 0.00 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Tgt Ion:	152	Resp:	14176
Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.2	22.8
153	13.9	10.3	15.5





#70

Phenanthrene

Concen: 8.84 ng/ul

RT: 16.99 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Instrument :

BNA_M

ClientSampleId :

C02L6RE

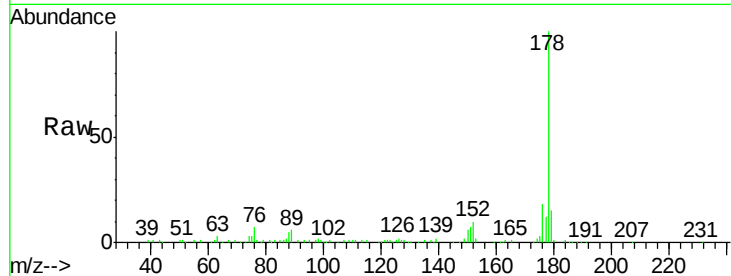
Tgt Ion:178 Resp: 138782

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

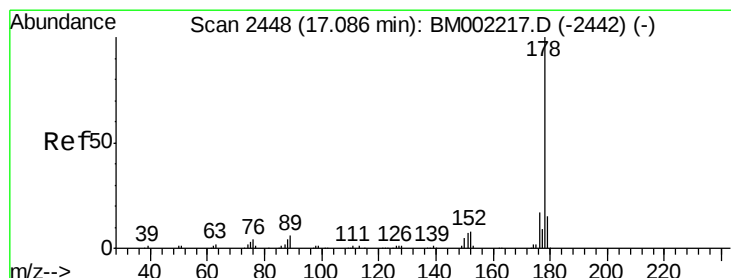
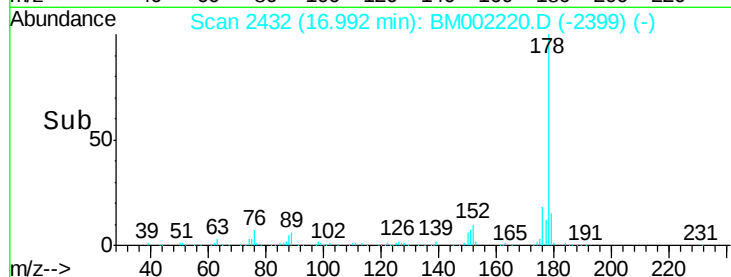
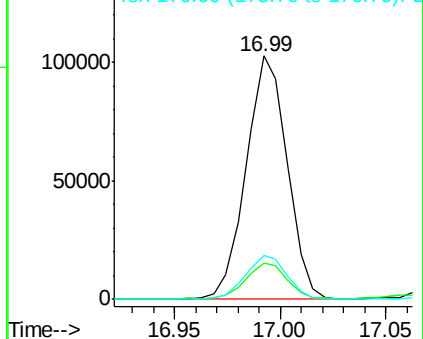
176 18.0 14.6 21.8



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: 2.91 ng/ul

RT: 17.08 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

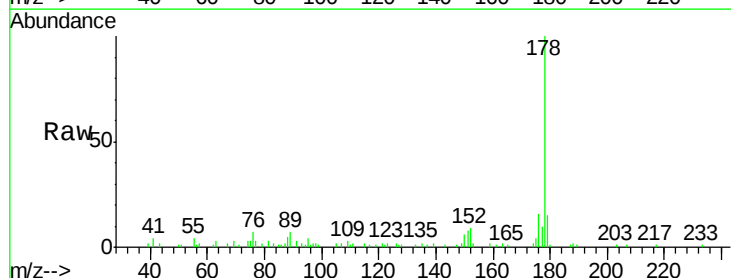
Tgt Ion:178 Resp: 46738

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

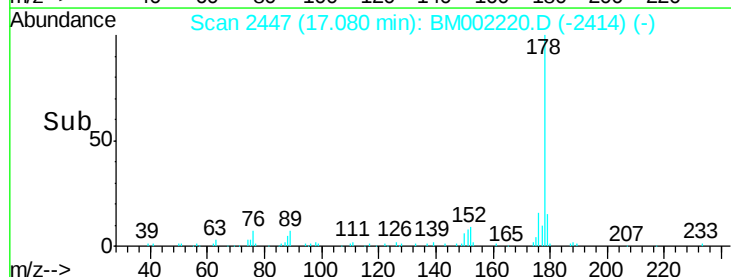
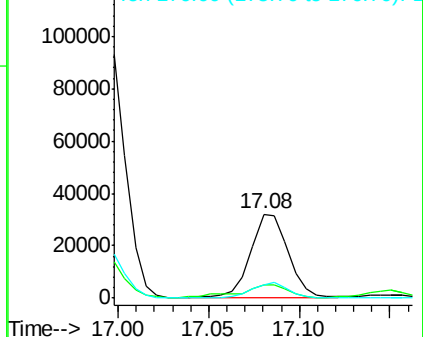
176 16.0 13.8 20.6

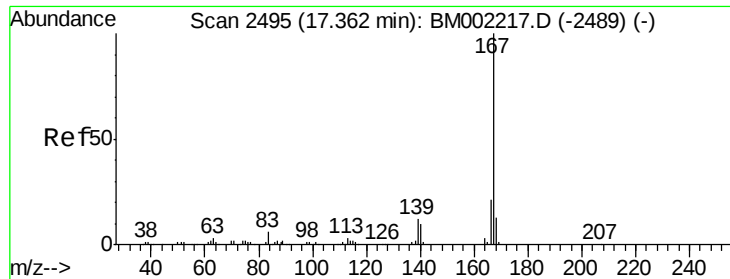


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.61 ng/ul

RT: 17.36 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Instrument :

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ClientSampleId :

C02L6RE

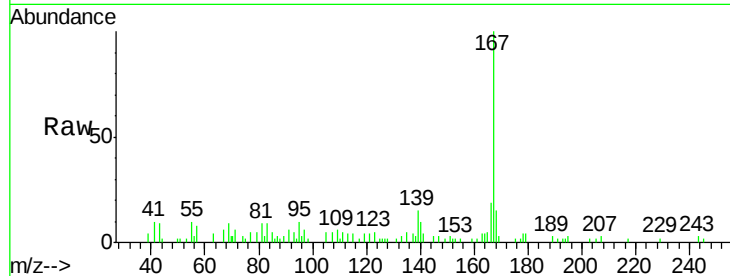
Tgt Ion:167 Resp: 21595

Ion Ratio Lower Upper

167 100

166 18.8 16.7 25.1

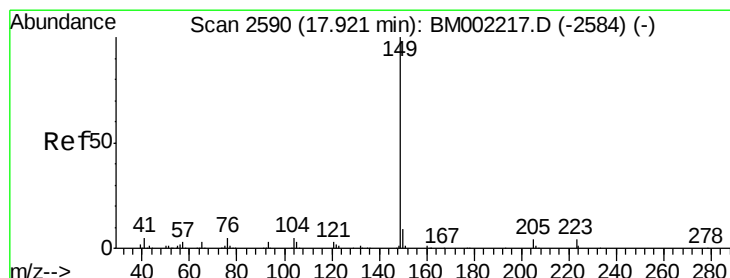
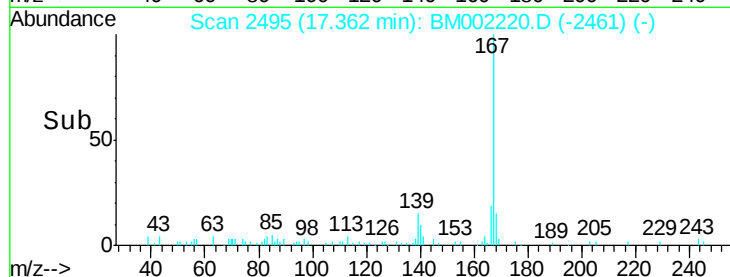
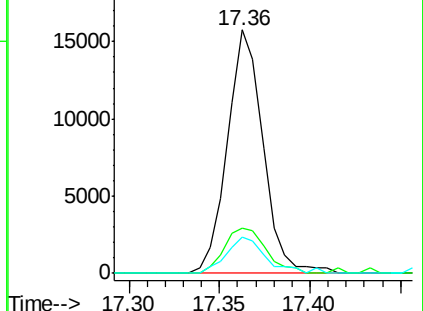
139 14.7 9.4 14.2#



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: 1.74 ng/ul

RT: 17.92 min Scan# 2590

Delta R.T. 0.00 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

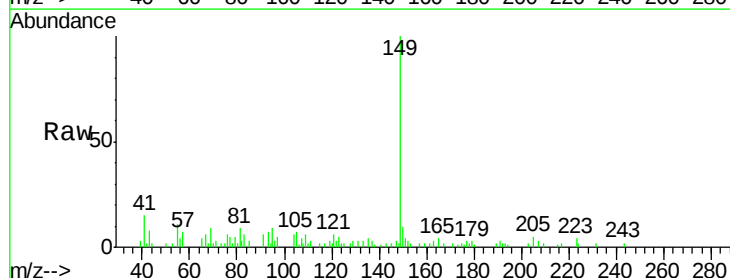
Tgt Ion:149 Resp: 27437

Ion Ratio Lower Upper

149 100

150 10.1 7.0 10.4

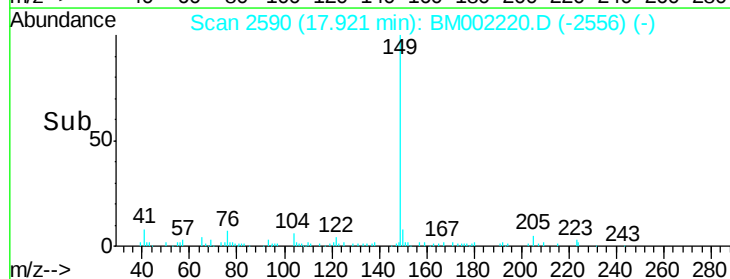
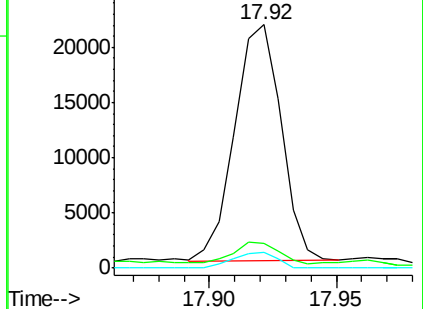
104 6.2 4.0 6.0#

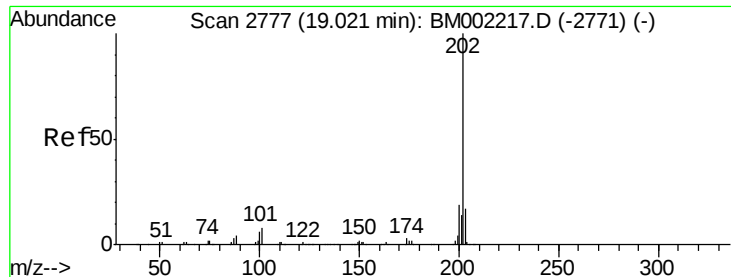


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

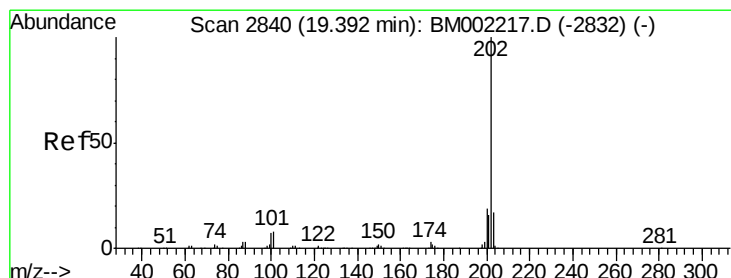
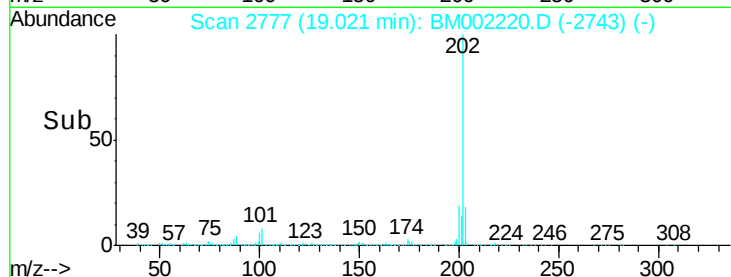
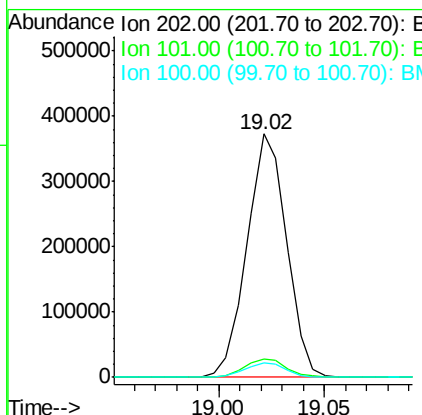
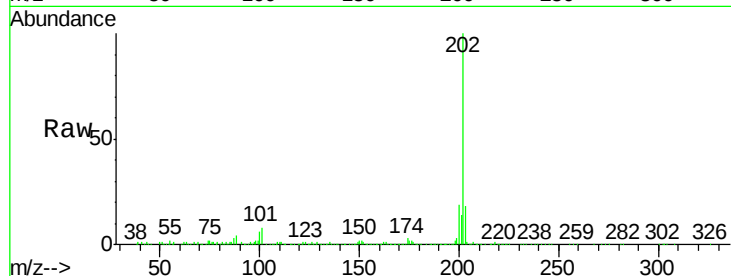




#77
 Fluoranthene
 Concen: 28.20 ng/ul
 RT: 19.02 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BM002220.D
 Acq: 04 Aug 2015 21:29

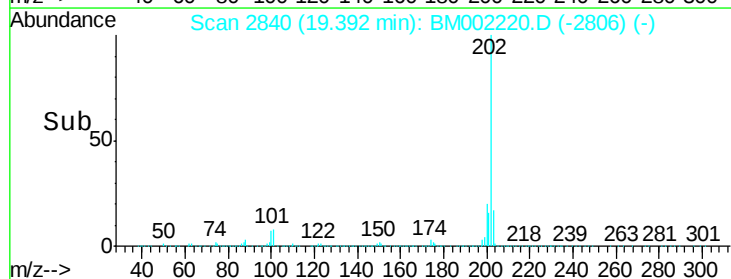
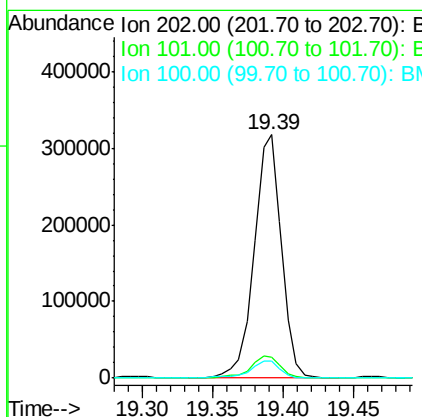
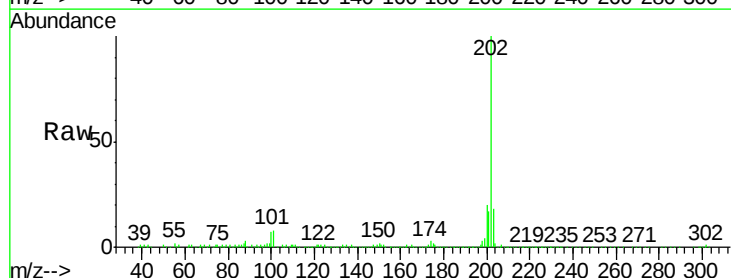
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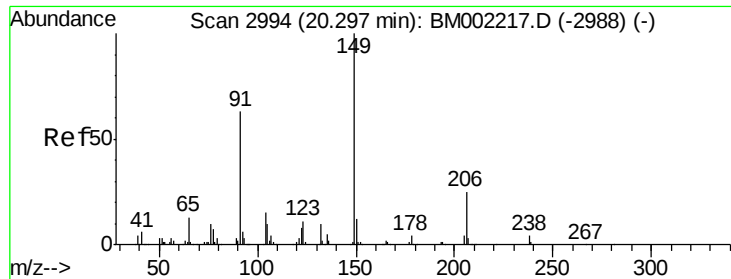
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.2	9.2
100	6.0	4.8	7.2



#80
 Pyrene
 Concen: 20.73 ng/ul
 RT: 19.39 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: BM002220.D
 Acq: 04 Aug 2015 21:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.0	10.6
100	7.1	5.8	8.8

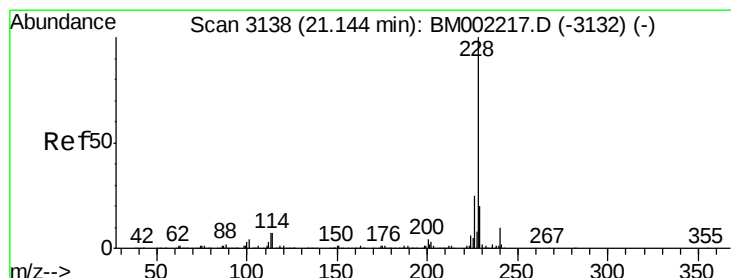
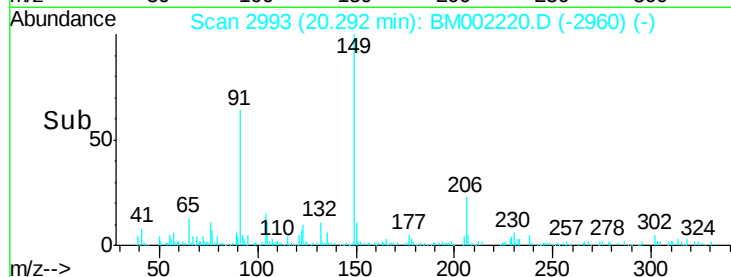
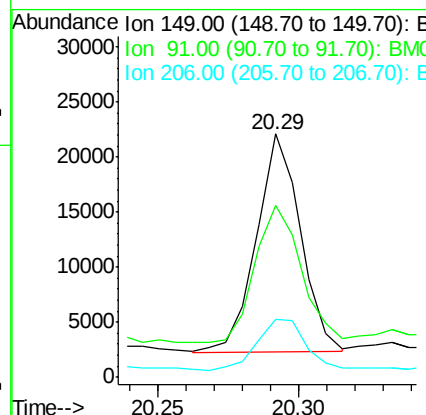
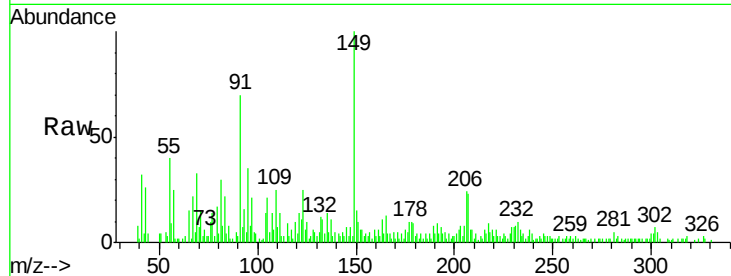




#81
Butylbenzylphthalate
Concen: 2.87 ng/ul
RT: 20.29 min Scan# 2993
Delta R.T. -0.01 min
Lab File: BM002220.D
Acq: 04 Aug 2015 21:29

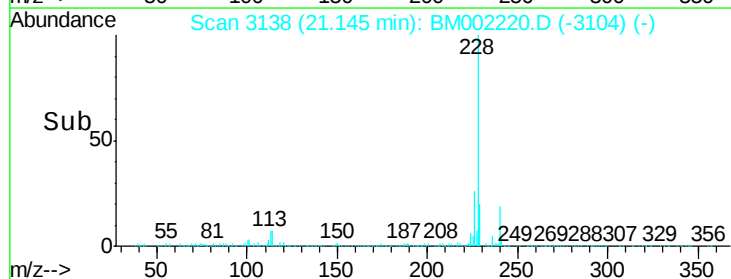
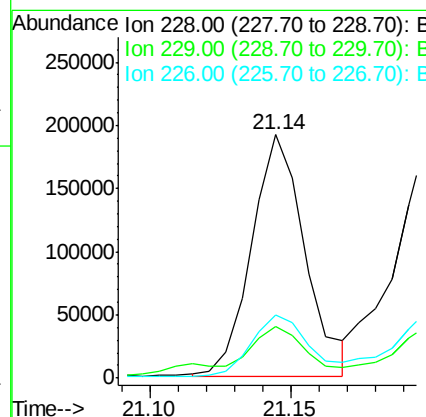
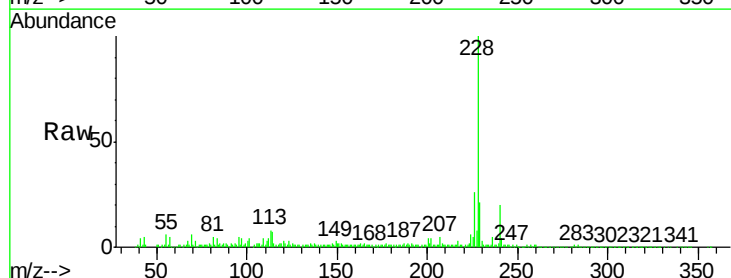
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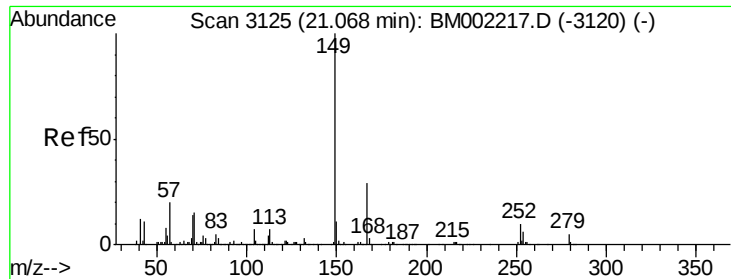
Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.5	50.6	76.0
206	23.6	19.8	29.6



#83
Benzo(a)anthracene
Concen: 13.31 ng/ul
RT: 21.14 min Scan# 3138
Delta R.T. 0.00 min
Lab File: BM002220.D
Acq: 04 Aug 2015 21:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.9	23.9
226	26.0	20.6	31.0

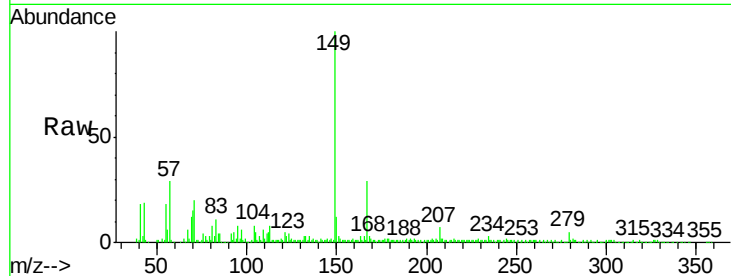




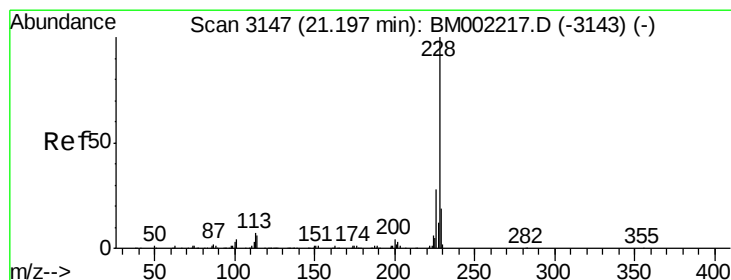
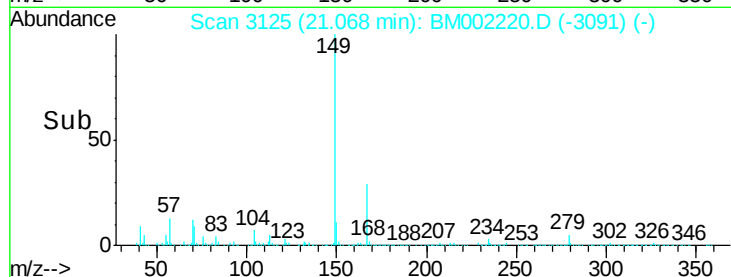
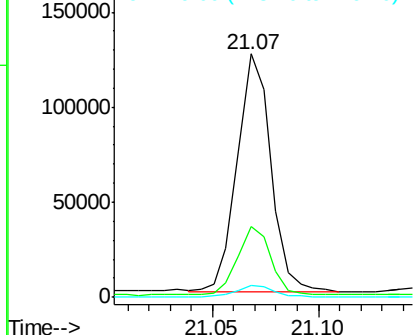
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.09 ng/ul
 RT: 21.07 min Scan# 3125
 Delta R.T. 0.00 min
 Lab File: BM002220.D
 Acq: 04 Aug 2015 21:29

Instrument :
 BNA_M
 ClientSampleId :
 C02L6RE

Tgt Ion:149 Resp: 138877
 Ion Ratio Lower Upper
 149 100
 167 29.0 23.0 34.4
 279 4.9 4.0 6.0

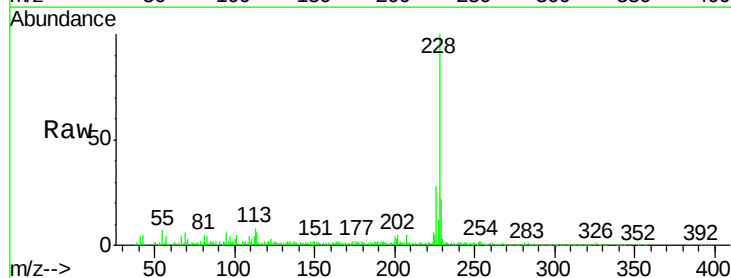


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

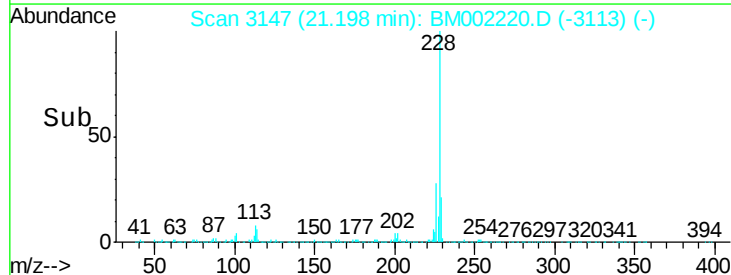
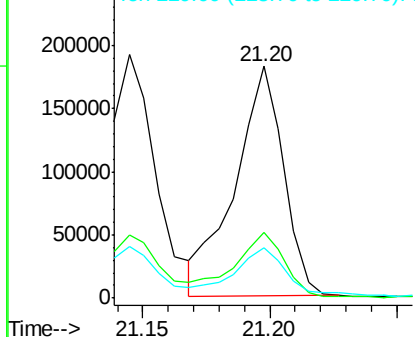


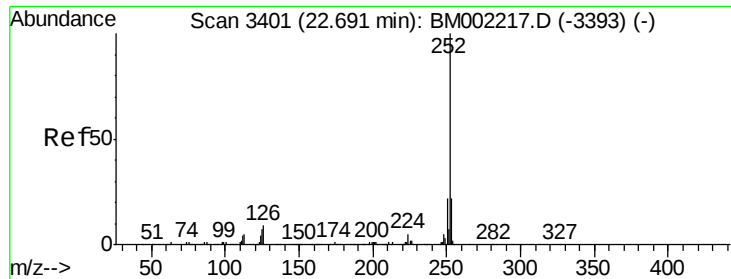
#85
 Chrysene
 Concen: 13.90 ng/ul
 RT: 21.20 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: BM002220.D
 Acq: 04 Aug 2015 21:29

Tgt Ion:228 Resp: 241164
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.2 33.4
 229 21.8 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: 19.14 ng/ul

RT: 22.70 min Scan# 3402

Delta R.T. 0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Instrument :

BNA_M

ClientSampleId :

C02L6RE

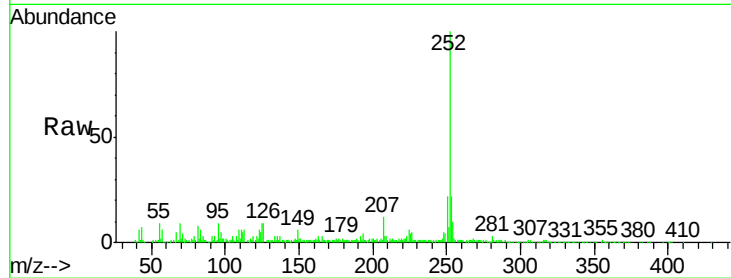
Tgt Ion:252 Resp: 347873

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

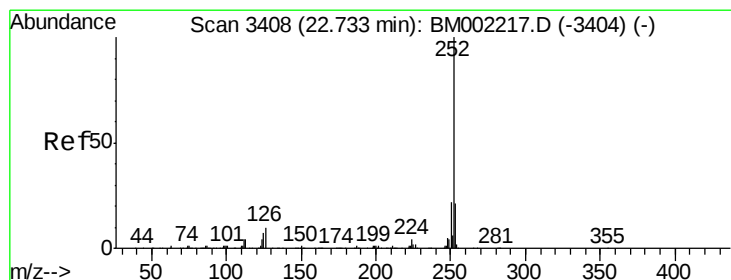
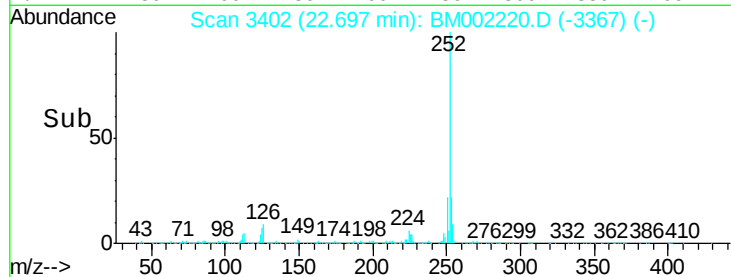
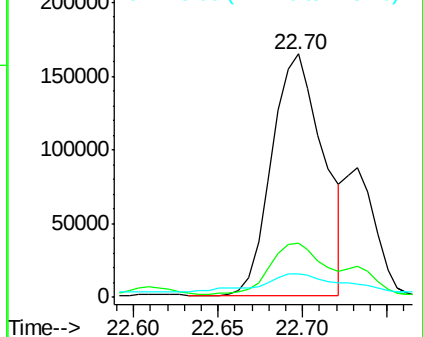
125 9.4 5.4 8.2#



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: 6.15 ng/ul

RT: 22.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

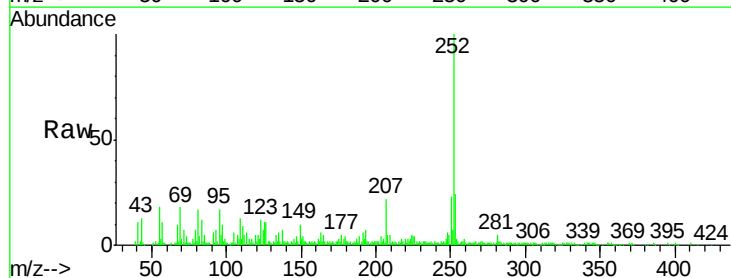
Tgt Ion:252 Resp: 108357

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

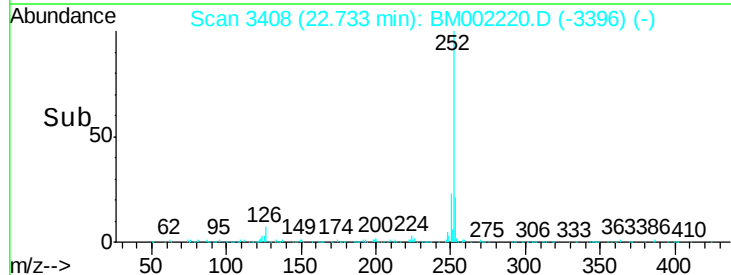
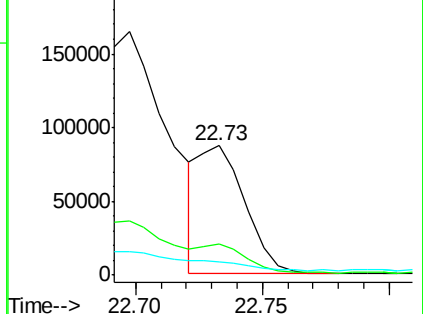
125 10.6 5.6 8.4#

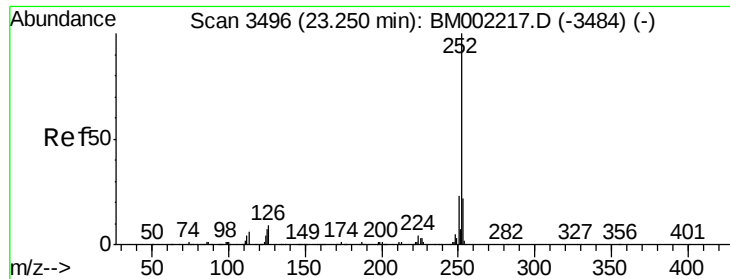


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 11.95 ng/ul

RT: 23.25 min Scan# 3496

Delta R.T. 0.00 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Instrument :

BNA_M

ClientSampleId :

C02L6RE

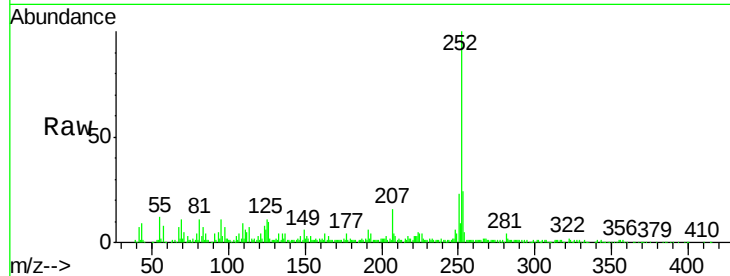
Tgt Ion:252 Resp: 207448

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

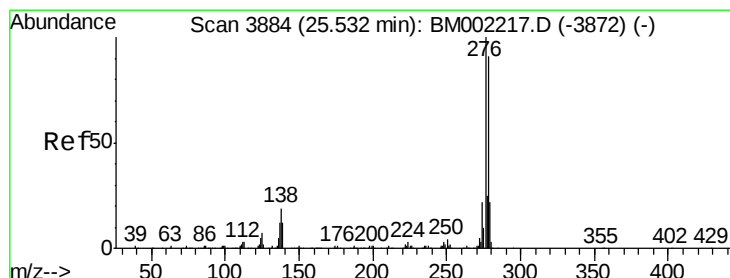
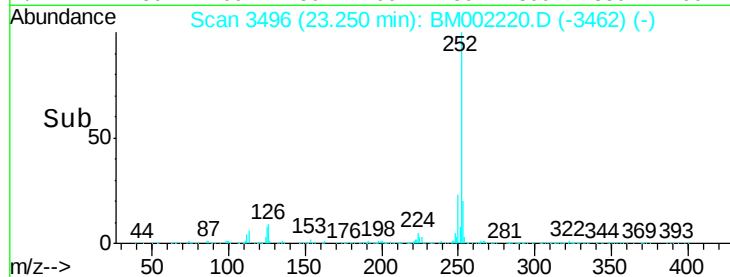
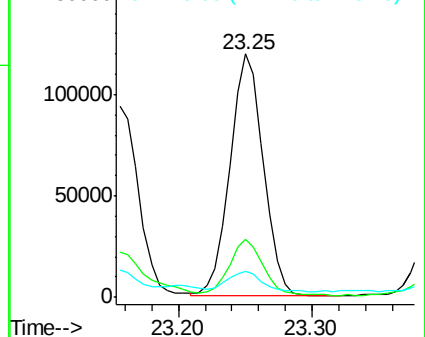
125 10.5 6.1 9.1#



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: 7.95 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

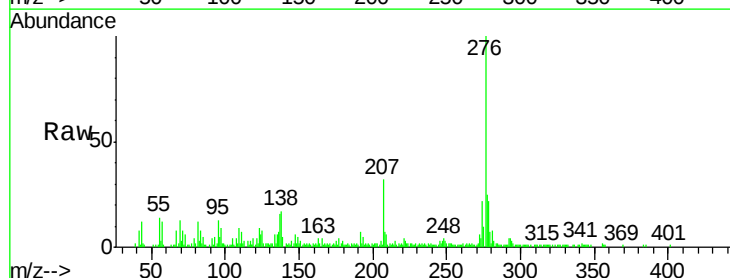
Tgt Ion:276 Resp: 155546

Ion Ratio Lower Upper

276 100

138 16.6 15.4 23.0

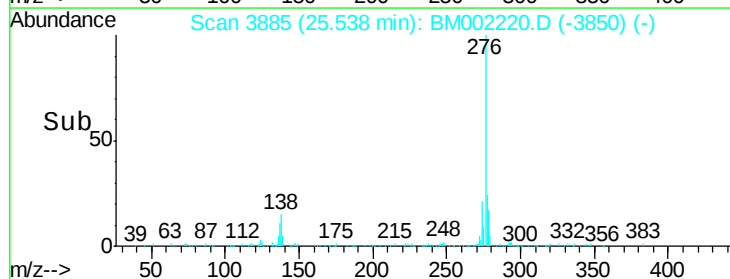
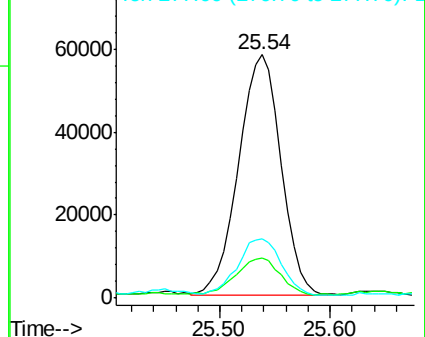
277 24.5 20.2 30.2

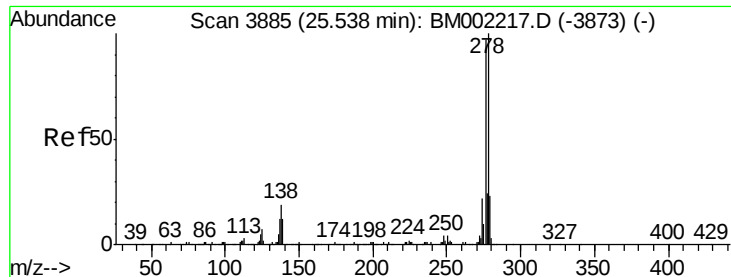


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.66 ng/ul

RT: 25.53 min Scan# 3884

Delta R.T. -0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

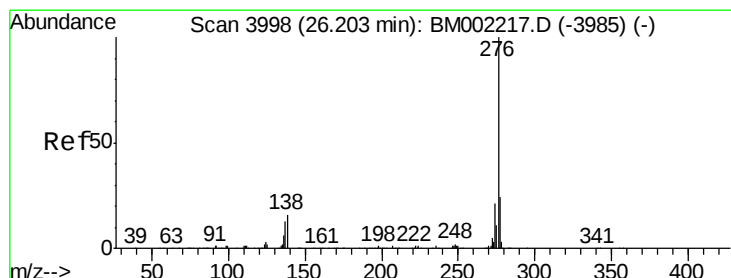
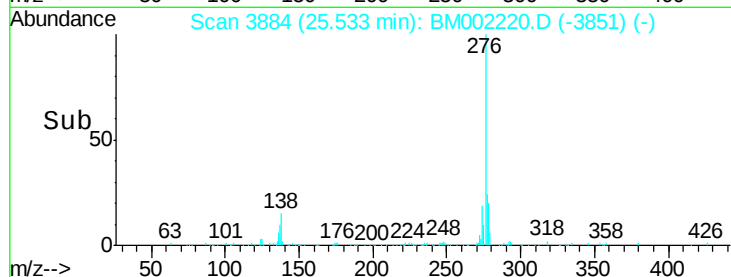
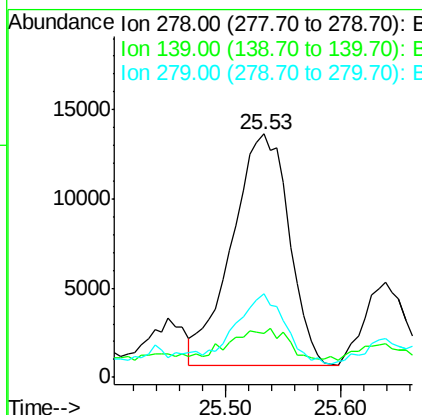
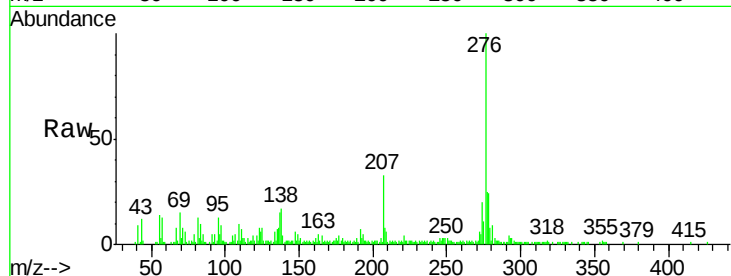
Instrument :

BNA_M

ClientSampleId :

C02L6RE

Tgt Ion:	278	Resp:	44357
Ion	Ratio	Lower	Upper
278	100		
139	18.3	10.4	15.6#
279	34.3	17.9	26.9#



#94

Benzo(g,h,i)perylene

Concen: 8.82 ng/ul

RT: 26.21 min Scan# 4000

Delta R.T. 0.01 min

Lab File: BM002220.D

Acq: 04 Aug 2015 21:29

Tgt Ion:	276	Resp:	143658
Ion	Ratio	Lower	Upper
276	100		
138	17.0	12.5	18.7
277	24.7	19.4	29.0

