

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002224.D
 Acq On : 04 Aug 2015 23:55
 Operator : TP/UM
 Sample : G3095-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q7RE

Quant Time: Aug 05 04:42:24 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	137720	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	521294	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	287896	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	624349	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	793703	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	819459	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	5323	2.20	ng/uL	0.00
5) Phenol-d5	6.72	99	124769	12.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	68728	12.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	111071	12.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	97556	11.48	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	51162	13.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	58409	13.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	104686	12.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	55591	5.89	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	277883	13.27	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	351705	13.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	31828	11.73	ng/ul	0.00
58) Fluorene-d10	15.20	176	246720	13.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	18311	5.09	ng/ul	0.00
71) Anthracene-d10	17.06	188	367490	13.22	ng/ul	0.00
79) Pyrene-d10	19.37	212	415473	10.94	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	506506	12.73	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.36	128	29224	1.19	ng/ul	98
34) 2-Methylnaphthalene	11.99	142	20497	1.08	ng/ul	97
45) Dimethylphthalate	13.66	163	115055	5.51	ng/ul	99
48) Acenaphthylene	13.92	152	56428	2.09	ng/ul	93
50) Acenaphthene	14.26	153	56581	3.21	ng/ul	98
54) Dibenzofuran	14.60	168	33331	1.30	ng/ul	95
59) Fluorene	15.26	166	53546	2.55	ng/ul	95
70) Phenanthrene	17.00	178	1020116	31.82	ng/ul	100
72) Anthracene	17.09	178	254344	7.76	ng/ul	98
75) Carbazole	17.37	167	68888	2.52	ng/ul	97
77) Fluoranthene	19.04	202	2492742	71.05	ng/ul	99
80) Pyrene	19.40	202	2442926	50.08	ng/ul	97
83) Benzo(a)anthracene	21.16	228	1525161	34.30	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.07	149	134901	5.39	ng/ul	98
85) Chrysene	21.21	228	1411923	34.49	ng/ul	96
88) Benzo(b)fluoranthene	22.72	252	1993745	43.18	ng/ul#	96
89) Benzo(k)fluoranthene	22.72	252	488806	10.93	ng/ul#	96
91) Benzo(a)pyrene	23.28	252	1415053	32.09	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.58	276	927034	18.66	ng/ul	97
93) Dibenzo(a,h)anthracene	25.58	278	247524	5.84	ng/ul#	90
94) Benzo(g,h,i)perylene	26.26	276	850350	20.55	ng/ul	99

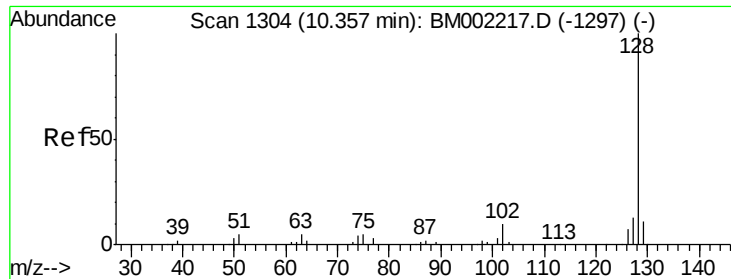
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002224.D
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QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

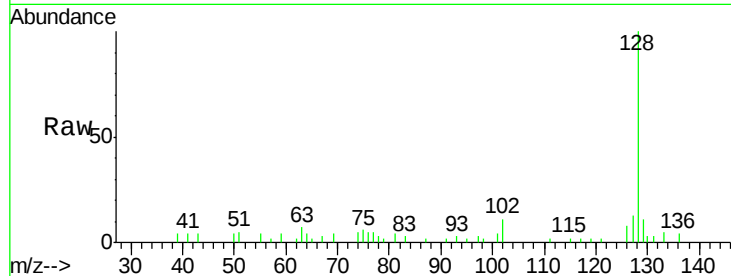
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



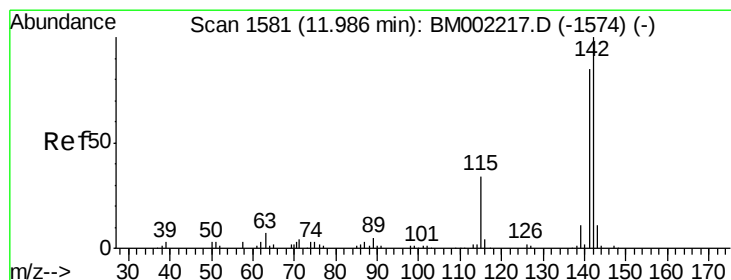
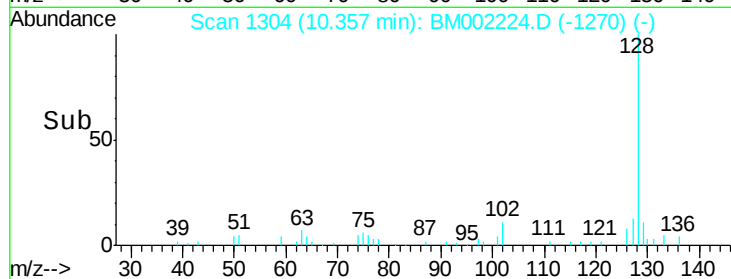
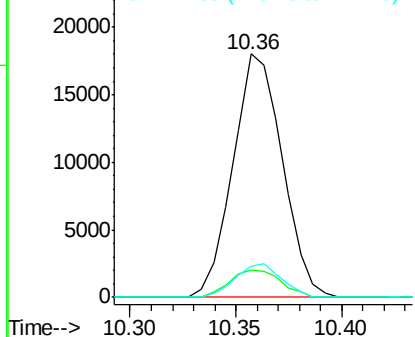
#28
Naphthalene
Concen: 1.19 ng/ul
RT: 10.36 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Instrument :
BNA_M
ClientSampleId :
C01Q7RE

Tgt Ion:128 Resp: 29224
Ion Ratio Lower Upper
128 100
129 11.5 8.2 12.2
127 12.8 10.1 15.1

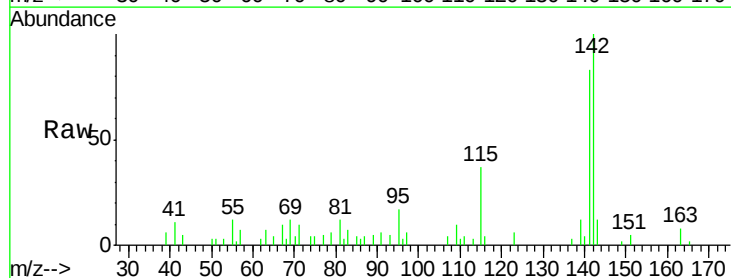


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

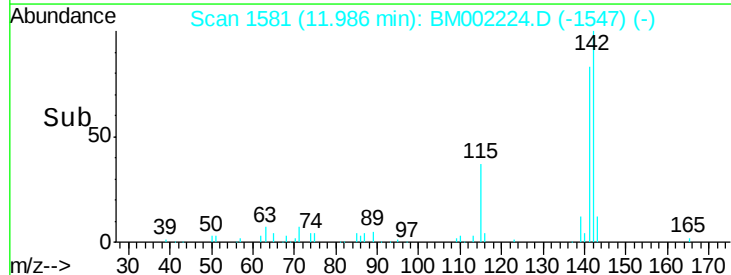
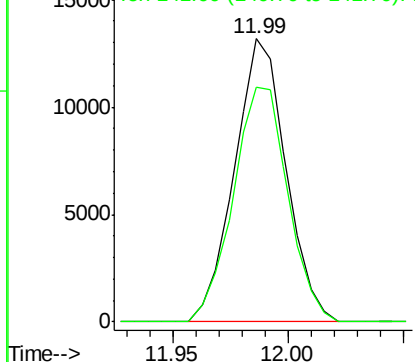


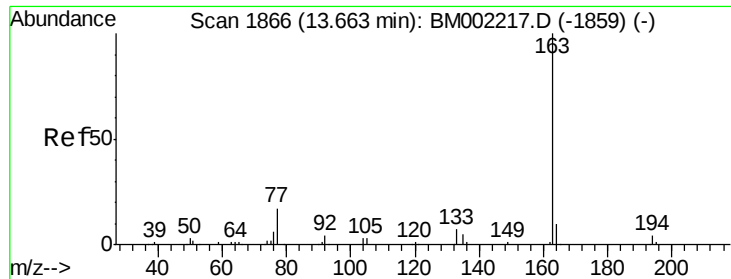
#34
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 11.99 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion:142 Resp: 20497
Ion Ratio Lower Upper
142 100
141 83.1 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 5.51 ng/ul

RT: 13.66 min Scan# 1866

Delta R.T. 0.00 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

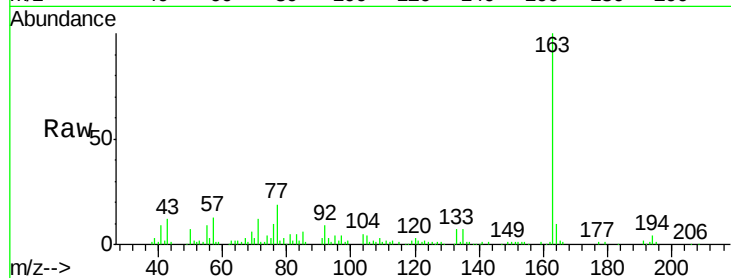
Instrument :

BNA_M

ClientSampleId :

C01Q7RE

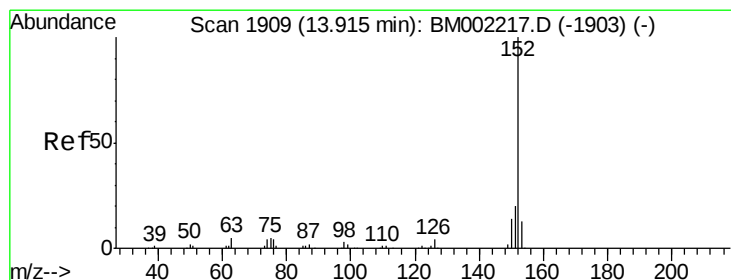
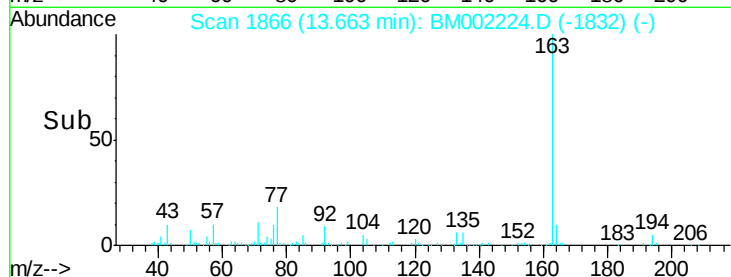
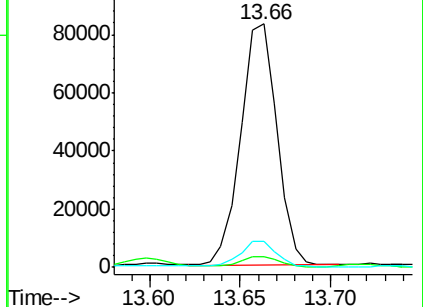
Tgt Ion:	163	Resp:	115055
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.5	7.9	11.9



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



#48

Acenaphthylene

Concen: 2.09 ng/ul

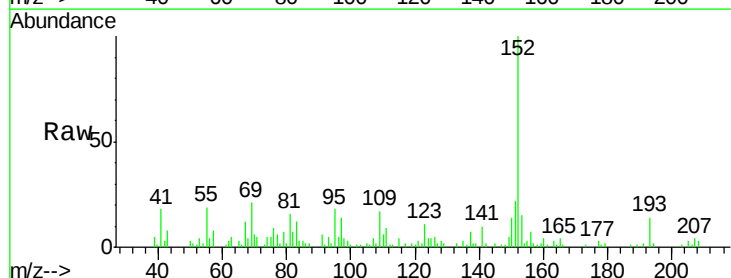
RT: 13.92 min Scan# 1910

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

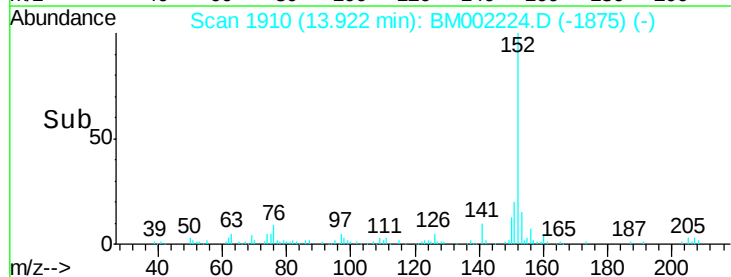
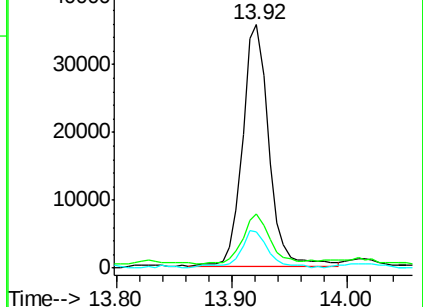
Tgt Ion:	152	Resp:	56428
Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.2	22.8
153	15.0	10.3	15.5

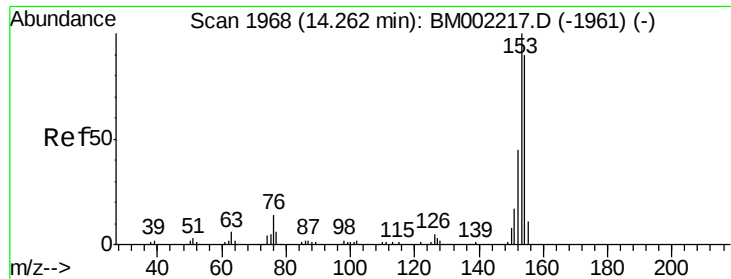


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 3.21 ng/ul

RT: 14.26 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

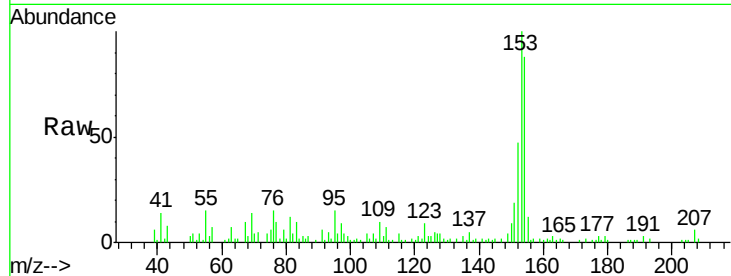
Tgt Ion:153 Resp: 56581

Ion Ratio Lower Upper

153 100

152 46.8 36.6 54.8

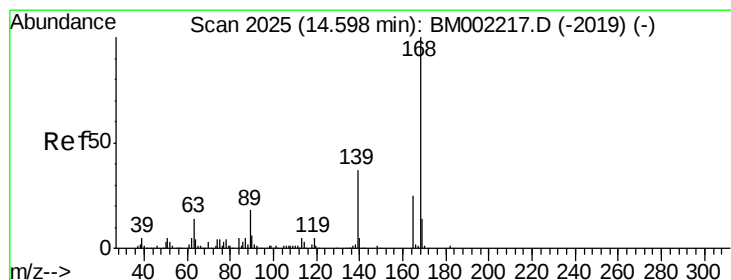
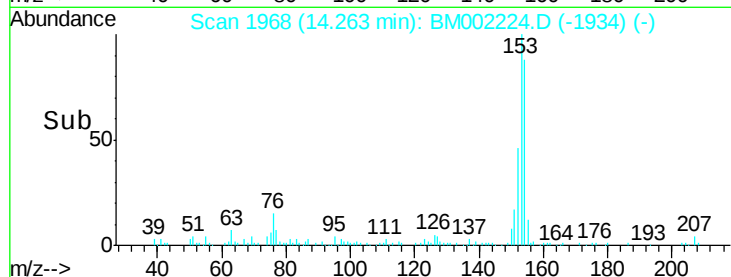
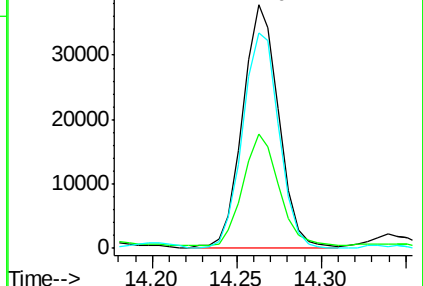
154 88.2 71.7 107.5



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

Dibenzofuran

Concen: 1.30 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002224.D

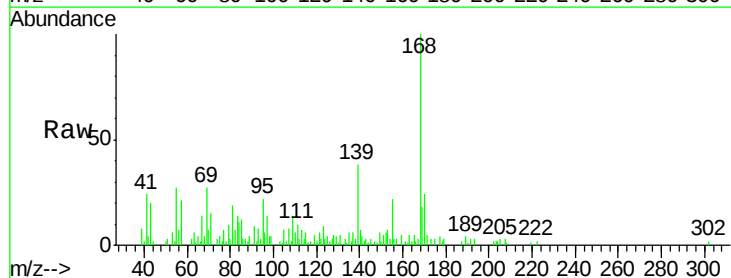
Acq: 04 Aug 2015 23:55

Tgt Ion:168 Resp: 33331

Ion Ratio Lower Upper

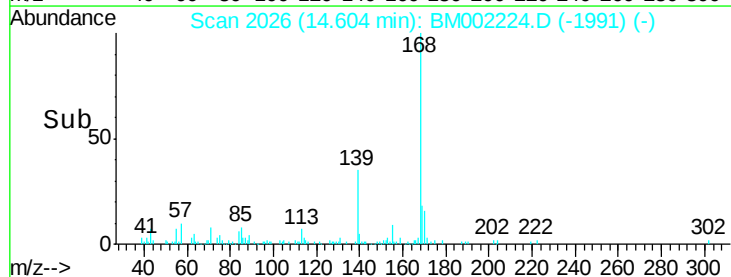
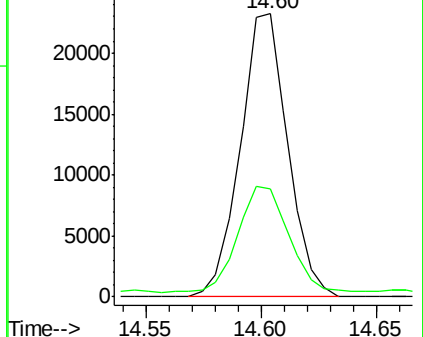
168 100

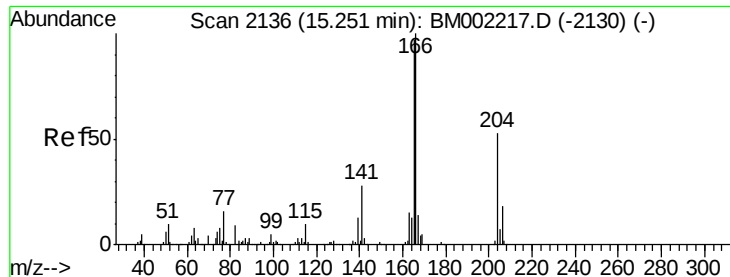
139 38.4 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.55 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

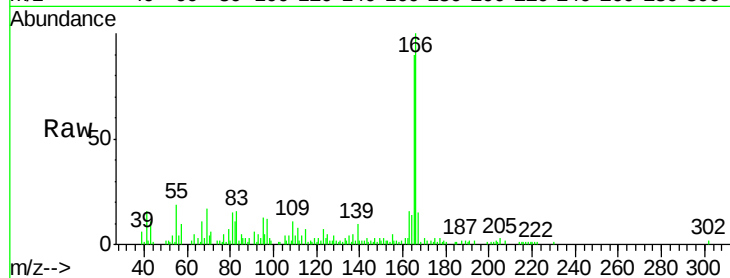
Tgt Ion:166 Resp: 53546

Ion Ratio Lower Upper

166 100

165 89.6 76.0 114.0

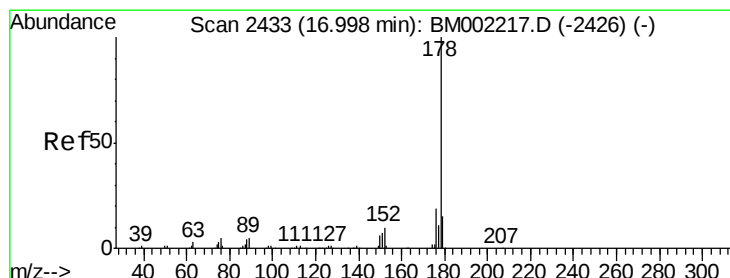
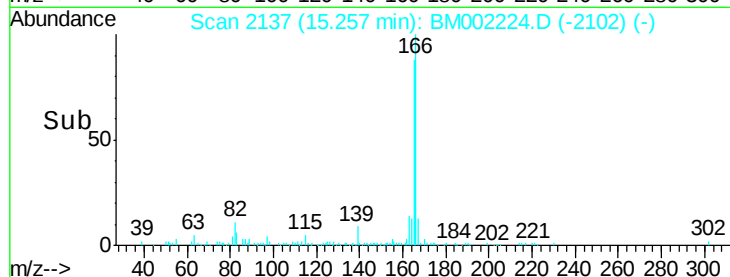
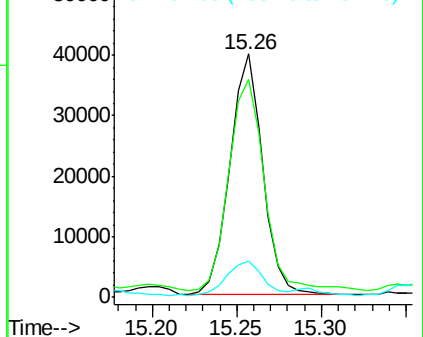
167 14.9 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 31.82 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

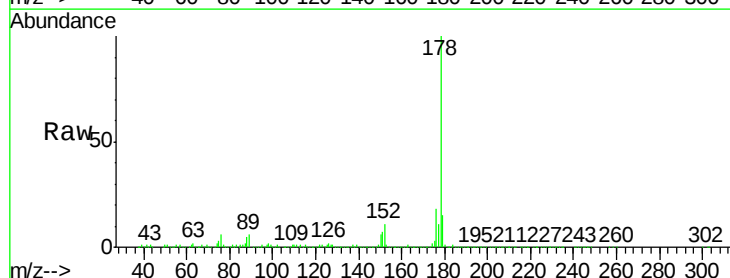
Tgt Ion:178 Resp: 1020116

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

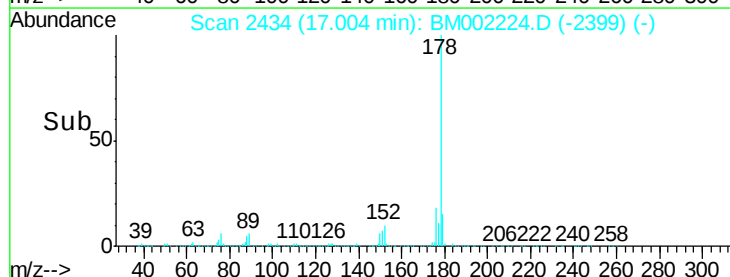
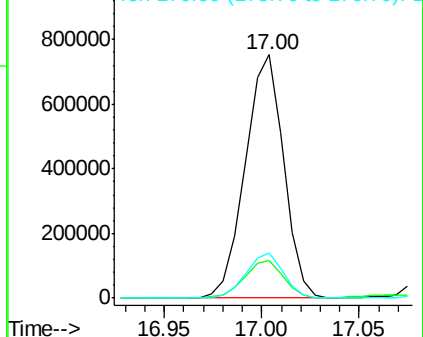
176 18.5 14.6 21.8

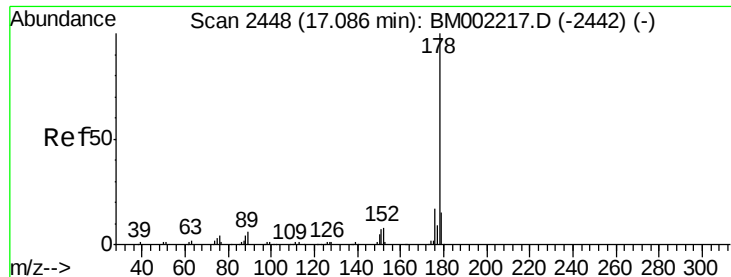


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.76 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002224.D

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BNA_M

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C01Q7RE

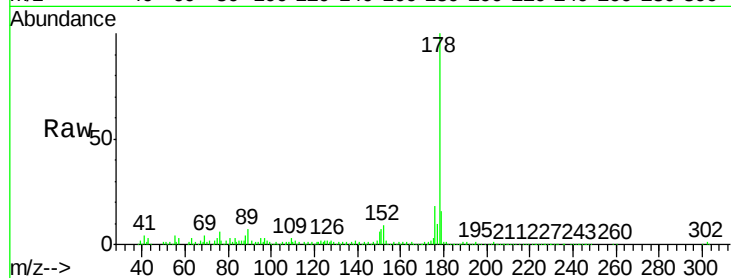
Tgt Ion:178 Resp: 254344

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

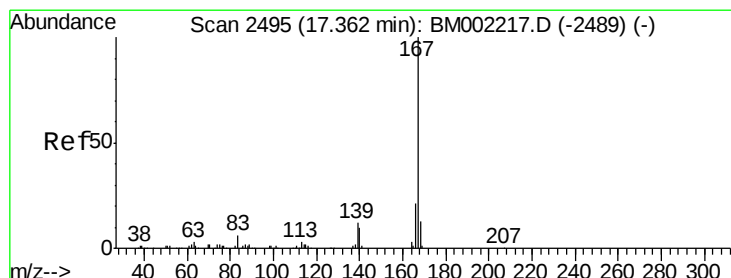
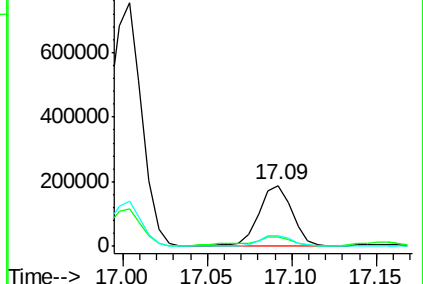
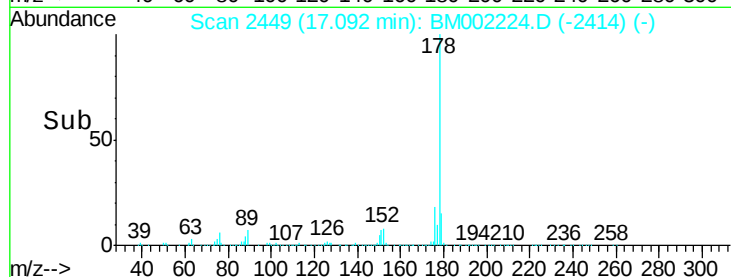
176 18.0 13.8 20.6



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: 2.52 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

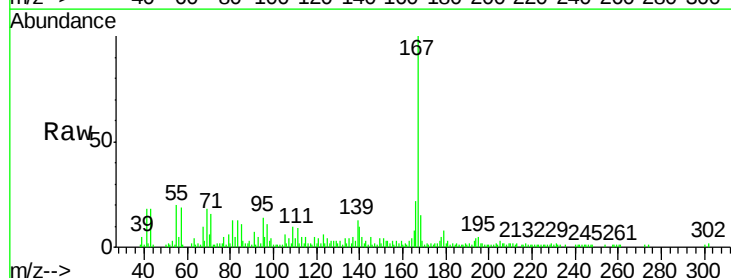
Tgt Ion:167 Resp: 68888

Ion Ratio Lower Upper

167 100

166 22.1 16.7 25.1

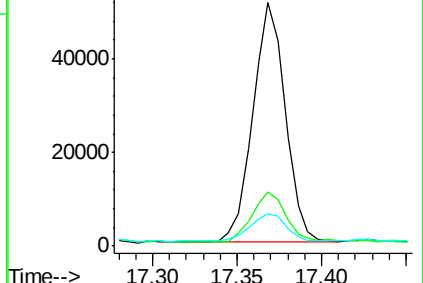
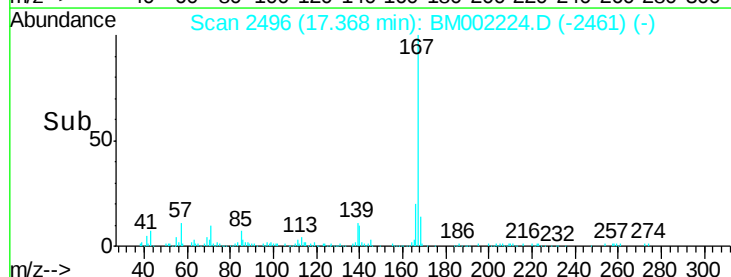
139 13.4 9.4 14.2

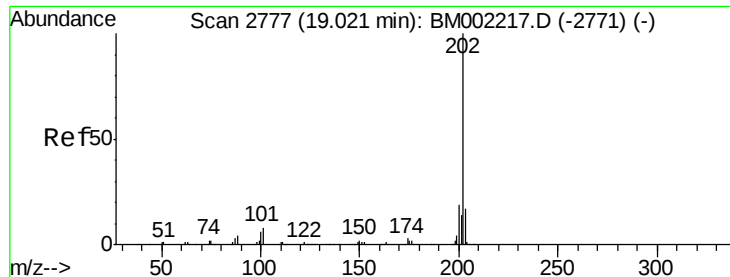


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 71.05 ng/u1

RT: 19.04 min Scan# 2780

Delta R.T. 0.02 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

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C01Q7RE

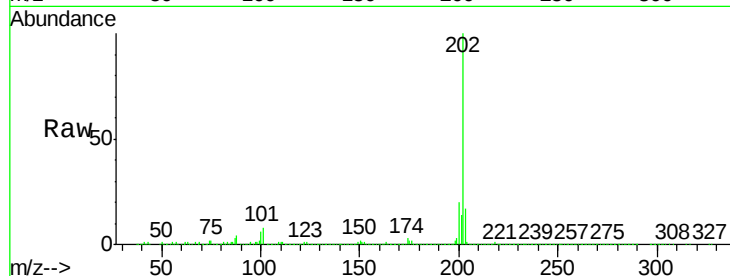
Tgt Ion:202 Resp: 2492742

Ion Ratio Lower Upper

202 100

101 8.0 6.2 9.2

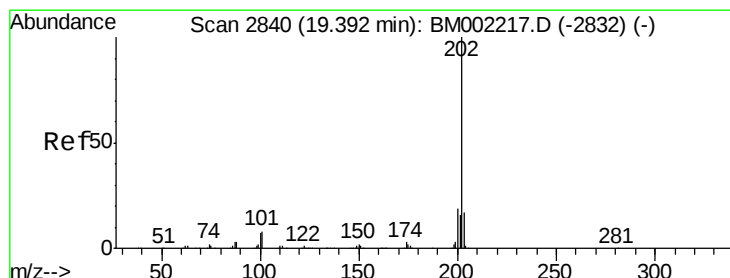
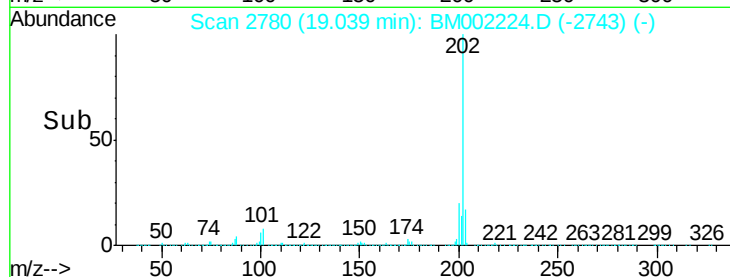
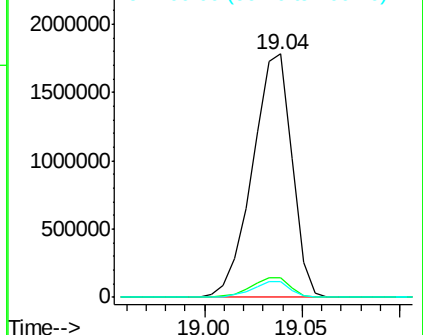
100 6.2 4.8 7.2



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: 50.08 ng/u1

RT: 19.40 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

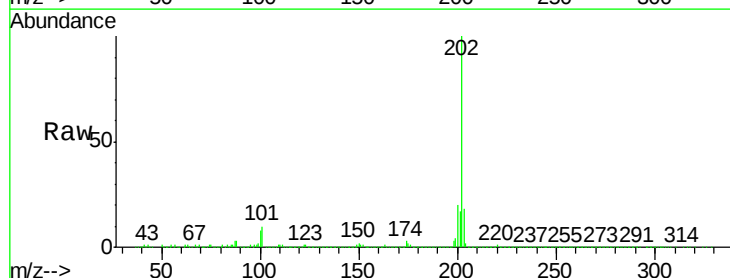
Tgt Ion:202 Resp: 2442926

Ion Ratio Lower Upper

202 100

101 9.9 7.0 10.6

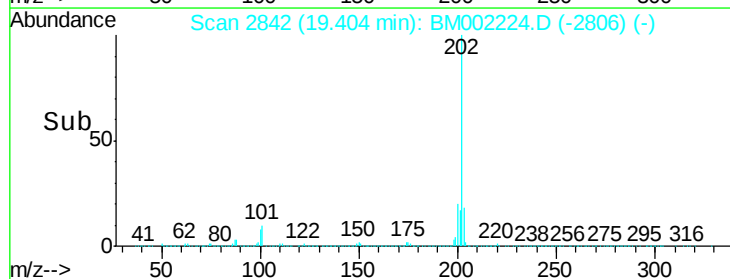
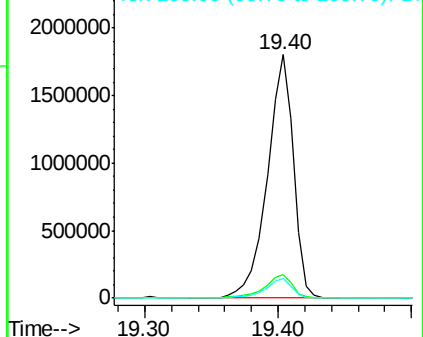
100 8.1 5.8 8.8

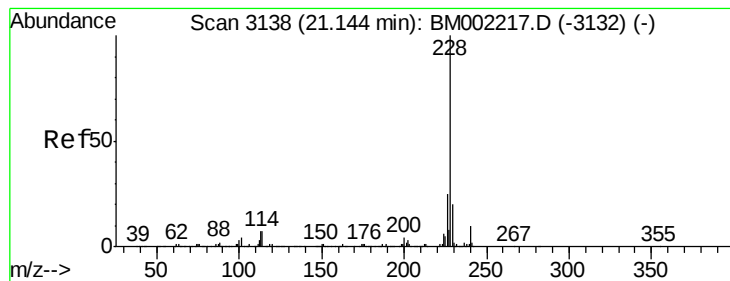


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 34.30 ng/ul

RT: 21.16 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

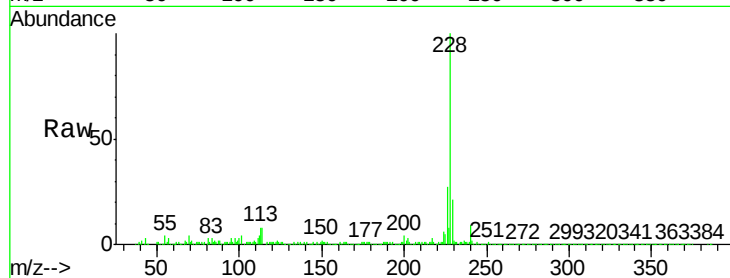
Tgt Ion:228 Resp: 1525161

Ion Ratio Lower Upper

228 100

229 20.9 15.9 23.9

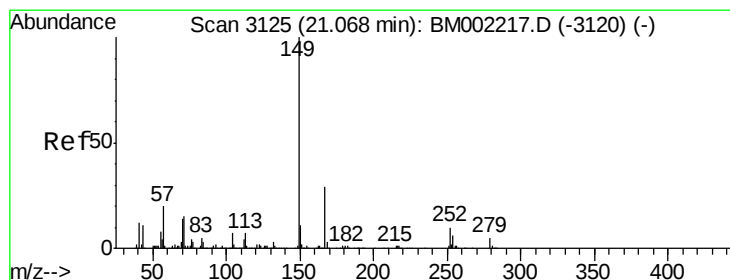
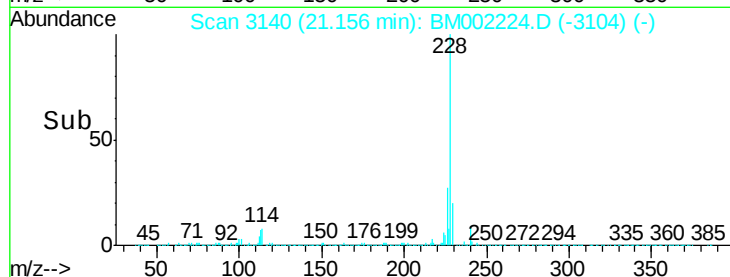
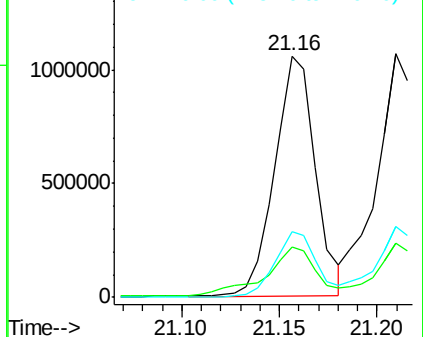
226 27.0 20.6 31.0



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: 5.39 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

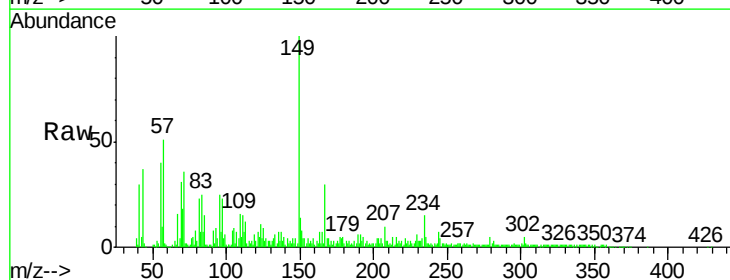
Tgt Ion:149 Resp: 134901

Ion Ratio Lower Upper

149 100

167 29.5 23.0 34.4

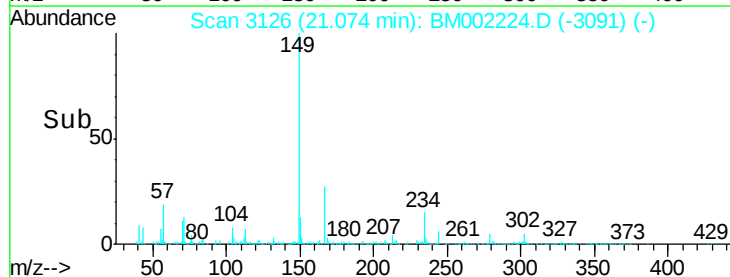
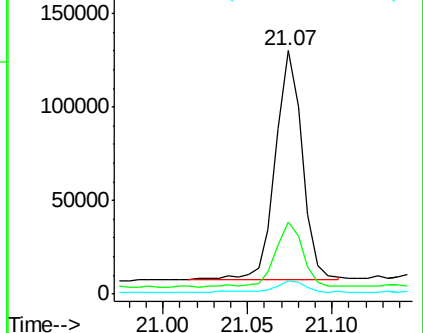
279 5.4 4.0 6.0

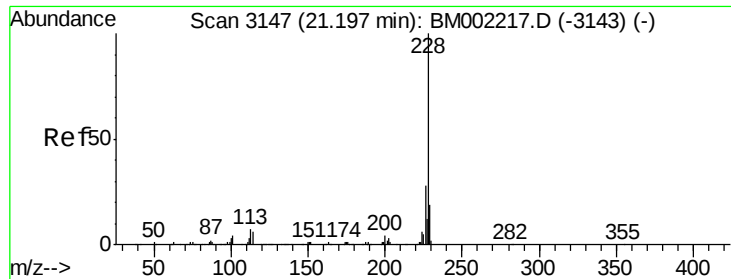


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

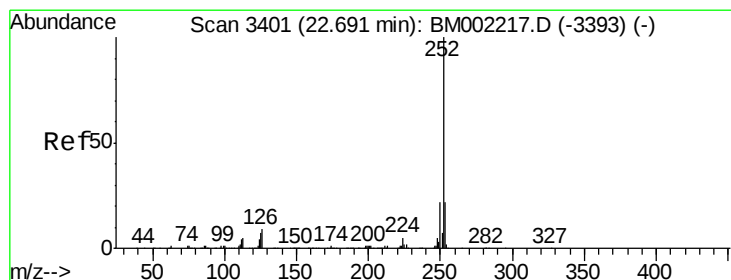
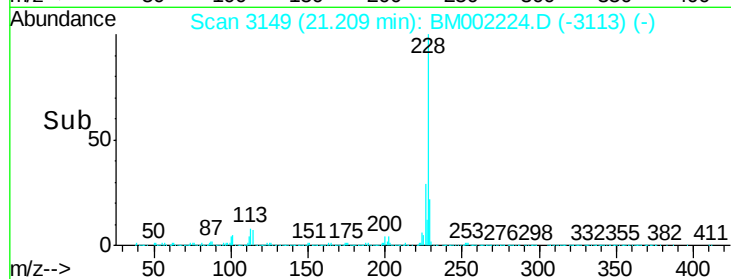
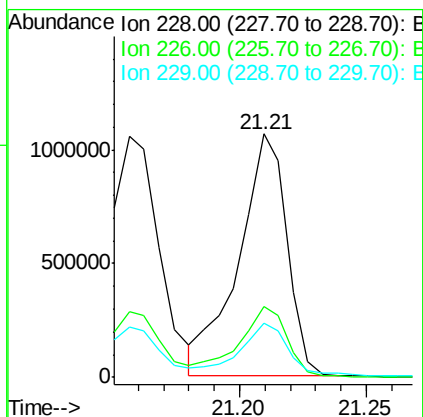
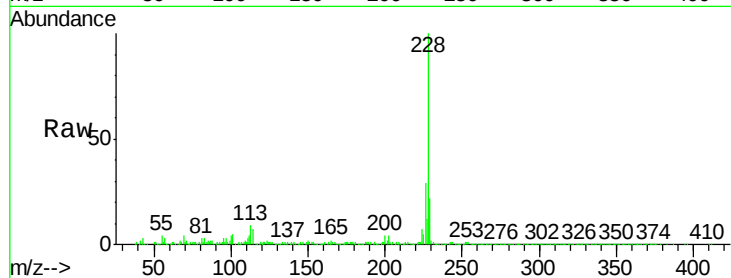




#85
Chrysene
Concen: 34.49 ng/ul
RT: 21.21 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

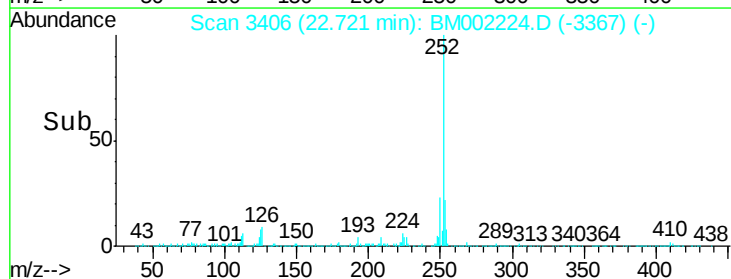
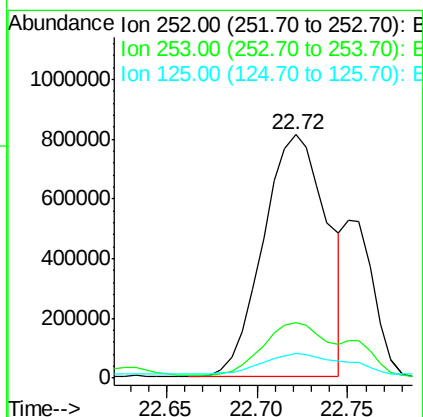
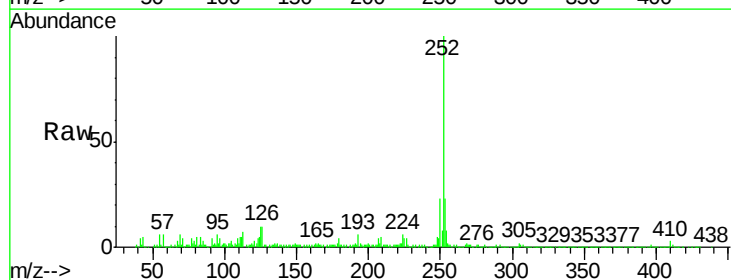
Instrument :
BNA_M
ClientSampled :
C01Q7RE

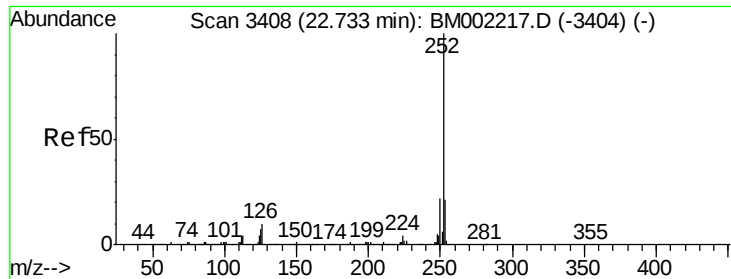
Tgt Ion:228 Resp: 1411923
Ion Ratio Lower Upper
228 100
226 29.1 22.2 33.4
229 22.1 15.5 23.3



#88
Benzo(b)fluoranthene
Concen: 43.18 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. 0.03 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion:252 Resp: 1993745
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.1 5.4 8.2#





#89

Benzo(k)fluoranthene

Concen: 10.93 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. -0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

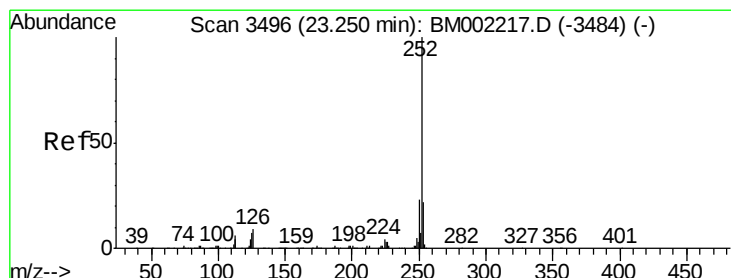
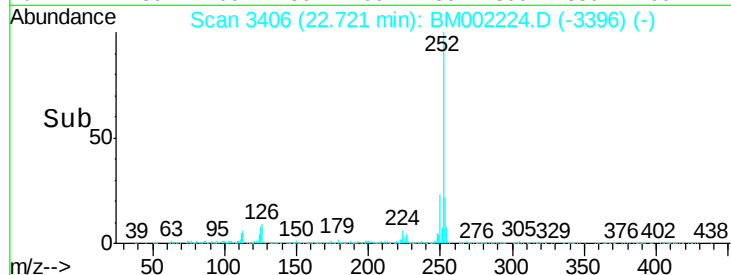
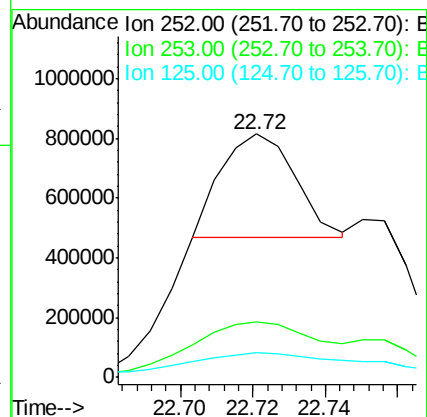
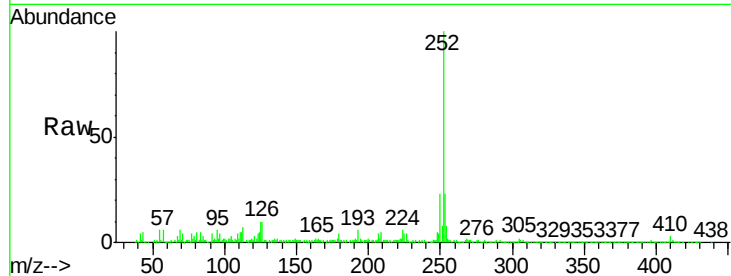
Tgt Ion:252 Resp: 488806

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 10.1 5.6 8.4#



#91

Benzo(a)pyrene

Concen: 32.09 ng/ul

RT: 23.28 min Scan# 3501

Delta R.T. 0.03 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

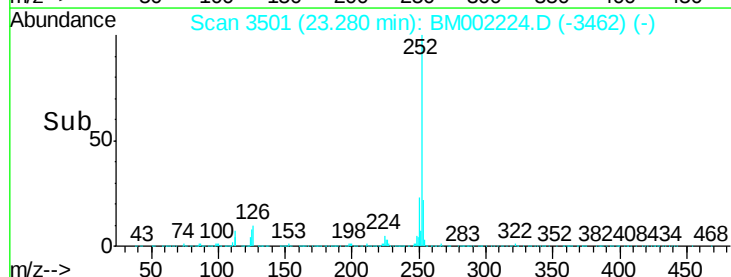
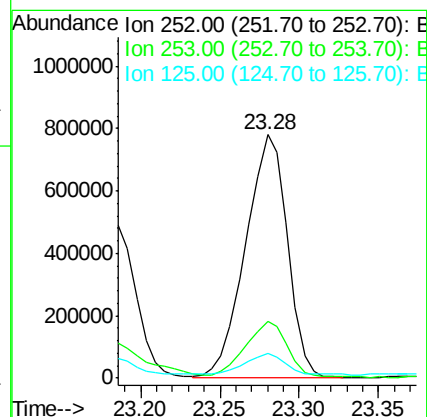
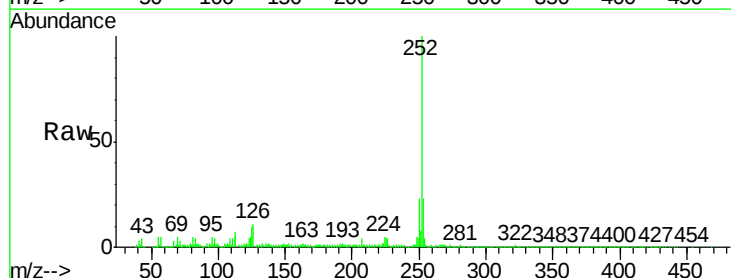
Tgt Ion:252 Resp: 1415053

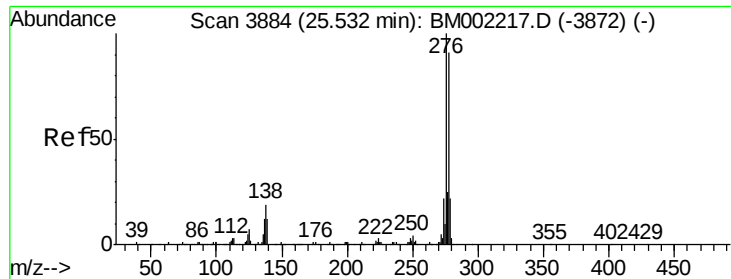
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 9.9 6.1 9.1#





#92

Indeno(1,2,3-cd)pyrene

Concen: 18.66 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.05 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

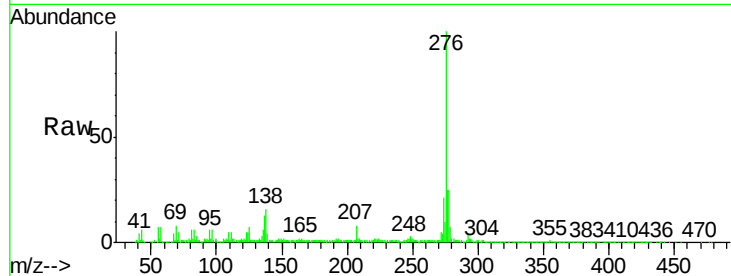
Tgt Ion:276 Resp: 927034

Ion Ratio Lower Upper

276 100

138 16.4 15.4 23.0

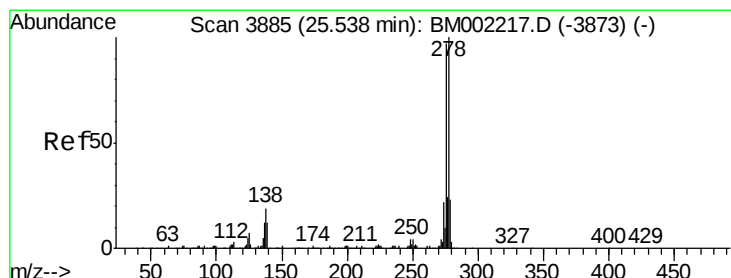
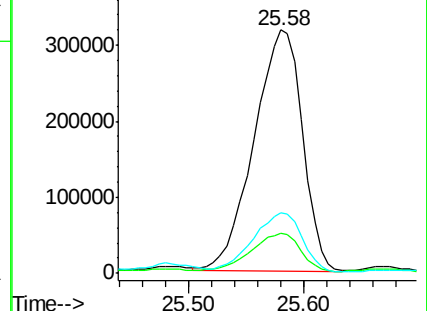
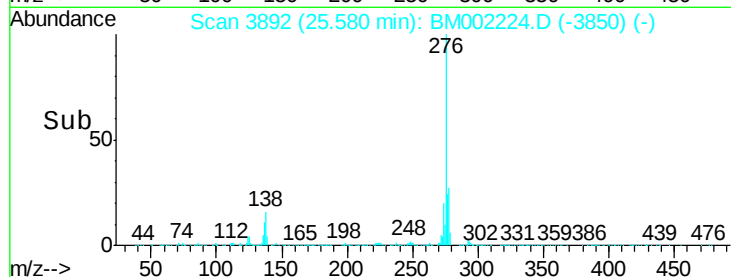
277 24.7 20.2 30.2



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: 5.84 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.04 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

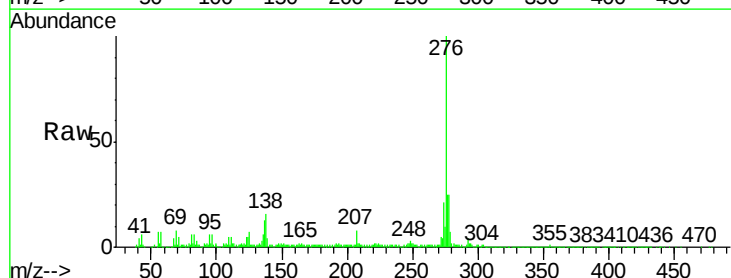
Tgt Ion:278 Resp: 247524

Ion Ratio Lower Upper

278 100

139 17.8 10.4 15.6#

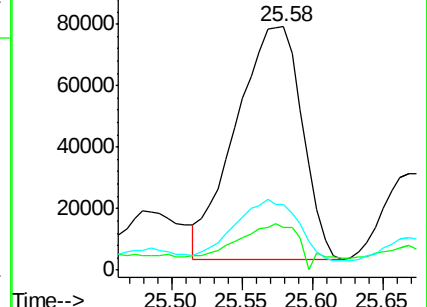
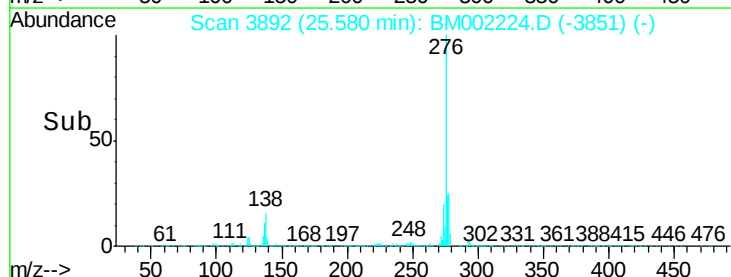
279 27.0 17.9 26.9#

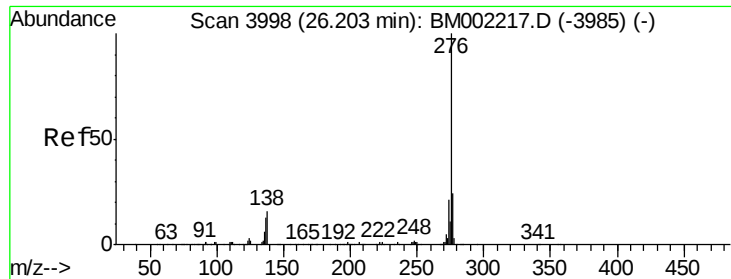


Abundance Ion 278.00 (277.70 to 278.70): E

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: 20.55 ng/ul

RT: 26.26 min Scan# 4008

Delta R.T. 0.06 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

Instrument :

BNA_M

ClientSampleId :

C01Q7RE

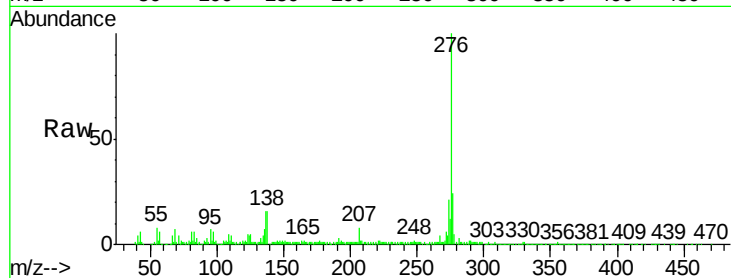
Tgt Ion: 276 Resp: 850350

Ion Ratio Lower Upper

276 100

138 16.2 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

