

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002223.D
 Acq On : 04 Aug 2015 23:18
 Operator : TP/UM
 Sample : G3095-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

Quant Time: Aug 05 04:42:09 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	149809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	546062	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	285598	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	604134	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	755356	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	813704	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	3648	1.38	ng/uL	0.00
5) Phenol-d5	6.72	99	86906	7.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	50340	8.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	78035	8.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	66344	7.18	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	36521	9.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	39504	8.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	71235	7.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	32460	3.28	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	193844	9.33	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	240746	9.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	15735	5.85	ng/ul	0.00
58) Fluorene-d10	15.20	176	167891	9.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	7958	2.29	ng/ul	0.00
71) Anthracene-d10	17.06	188	248168	9.23	ng/ul	0.00
79) Pyrene-d10	19.36	212	284564	7.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	361508	9.15	ng/ul	0.03

Target Compounds

						Qvalue
24) 2,4-Dimethylphenol	9.54	107	13425	1.40	ng/ul	92
32) Caprolactam	11.32	113	3355	1.47	ng/ul#	1
34) 2-Methylnaphthalene	11.99	142	26871	1.35	ng/ul	95
45) Dimethylphthalate	13.66	163	78564	3.79	ng/ul	98
48) Acenaphthylene	13.92	152	110397	4.12	ng/ul	93
50) Acenaphthene	14.26	153	34758	1.99	ng/ul	97
54) Dibenzofuran	14.60	168	31355	1.24	ng/ul	91
59) Fluorene	15.26	166	48824	2.34	ng/ul	96
70) Phenanthrene	17.00	178	909185	29.31	ng/ul	100
72) Anthracene	17.09	178	216829	6.84	ng/ul	97
75) Carbazole	17.37	167	48476	1.83	ng/ul#	92
77) Fluoranthene	19.03	202	1574336	46.37	ng/ul	99
80) Pyrene	19.40	202	1764001	38.00	ng/ul	98
83) Benzo(a)anthracene	21.16	228	876394	20.71	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	292716	12.29	ng/ul	100
85) Chrysene	21.21	228	886694	22.76	ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	1235306	26.94	ng/ul#	94
91) Benzo(a)pyrene	23.28	252	813972	18.59	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.57	276	523676	10.61	ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	149795	3.56	ng/ul#	89
94) Benzo(g,h,i)perylene	26.25	276	497981	12.12	ng/ul	98

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QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

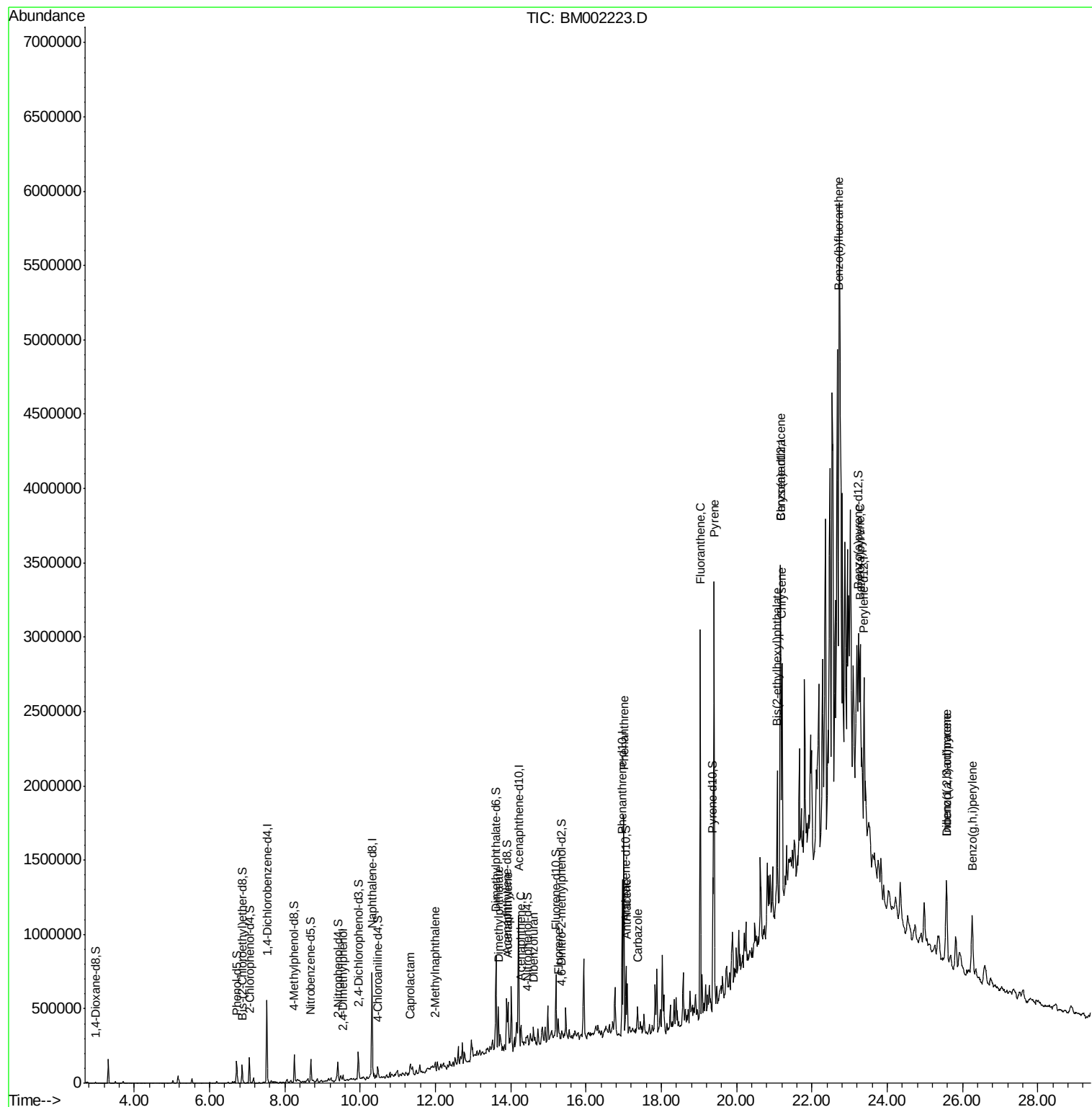
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

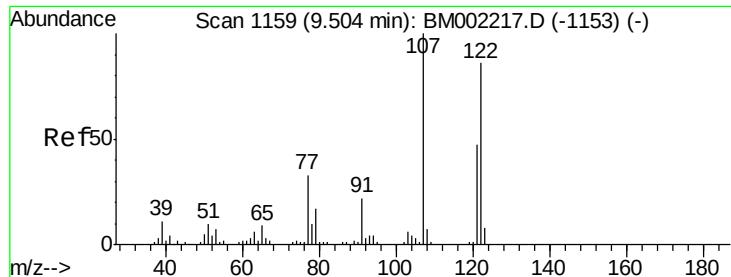
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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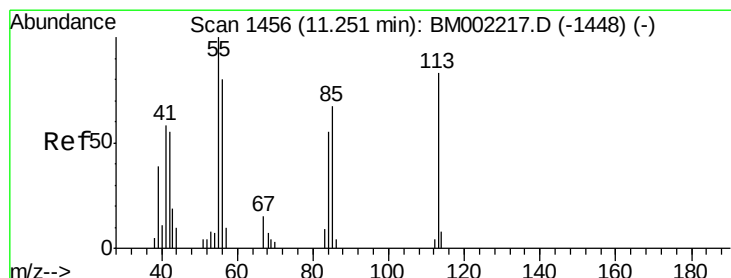
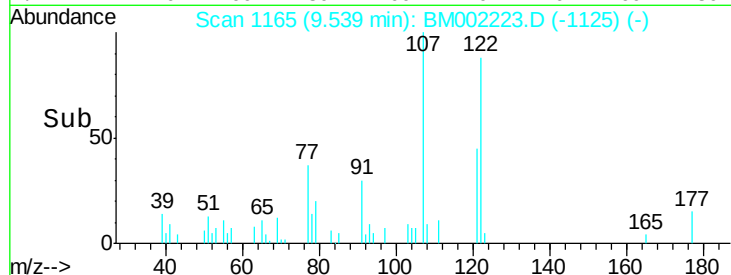
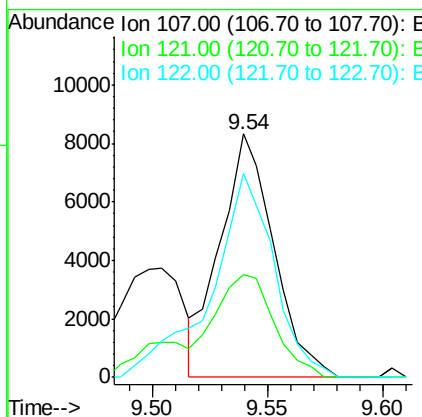
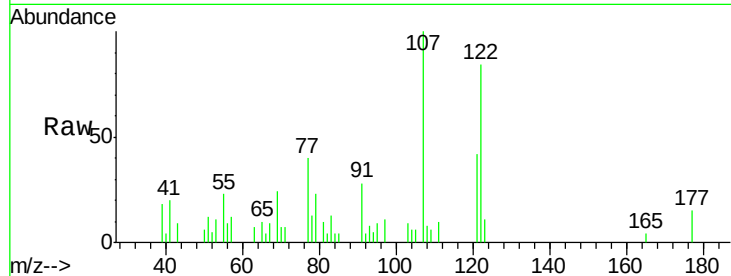




#24
 2,4-Dimethylphenol
 Concen: 1.40 ng/ul
 RT: 9.54 min Scan# 1165
 Delta R.T. 0.04 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

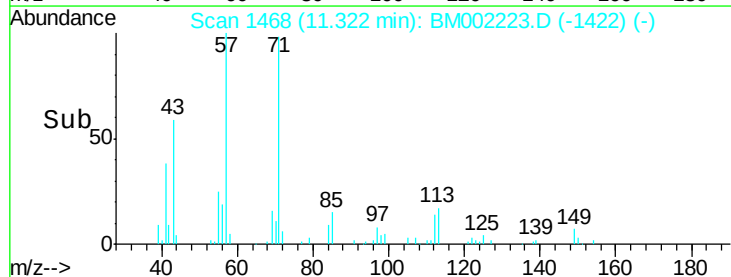
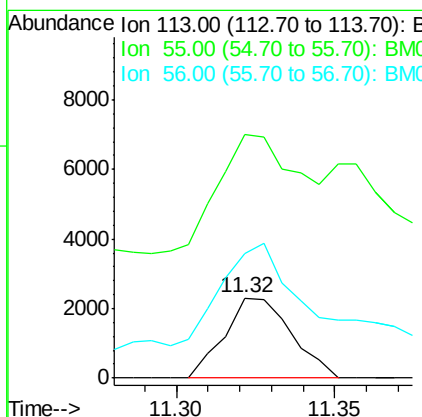
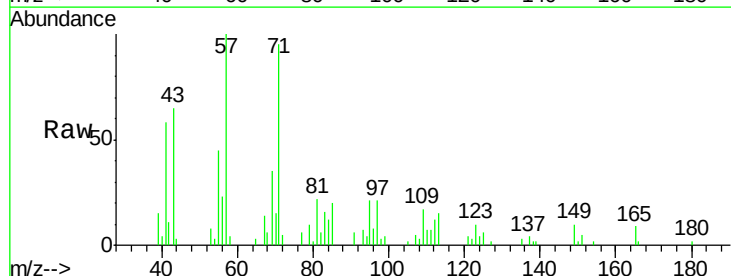
Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

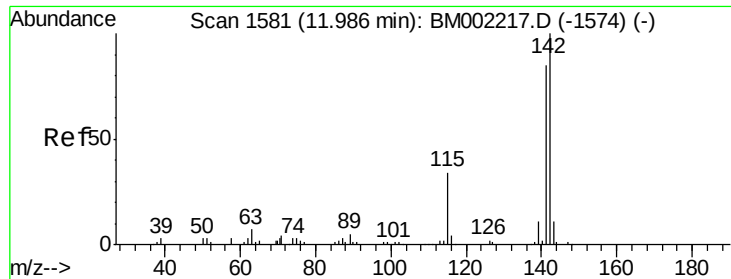
Tgt Ion:107 Resp: 13425
 Ion Ratio Lower Upper
 107 100
 121 42.5 41.1 61.7
 122 83.9 70.8 106.2



#32
 Caprolactam
 Concen: 1.47 ng/ul
 RT: 11.32 min Scan# 1468
 Delta R.T. 0.07 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion:113 Resp: 3355
 Ion Ratio Lower Upper
 113 100
 55 302.9 94.5 141.7#
 56 154.4 79.5 119.3#

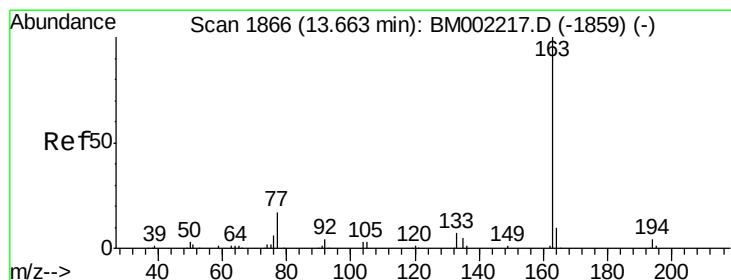
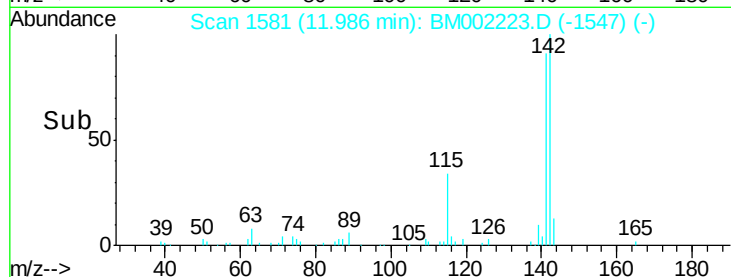
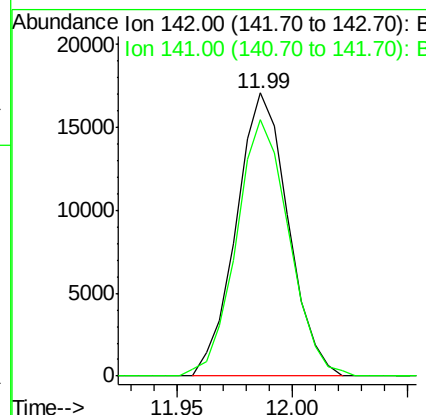
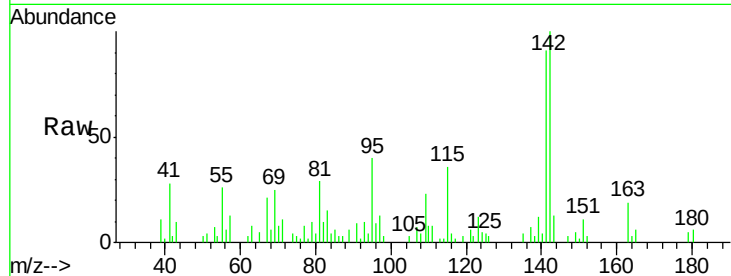




#34
 2-Methylnaphthalene
 Concen: 1.35 ng/ul
 RT: 11.99 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

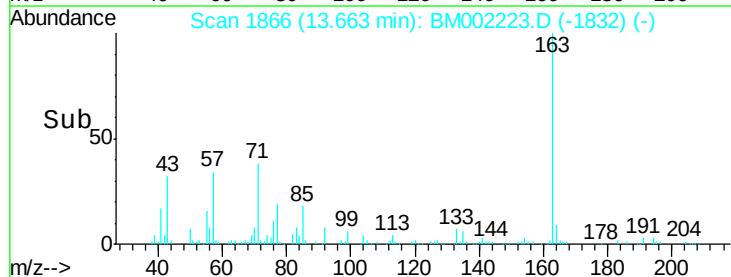
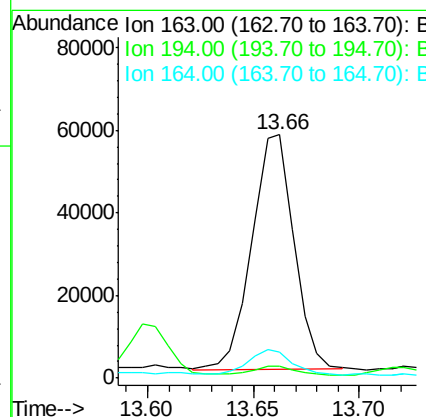
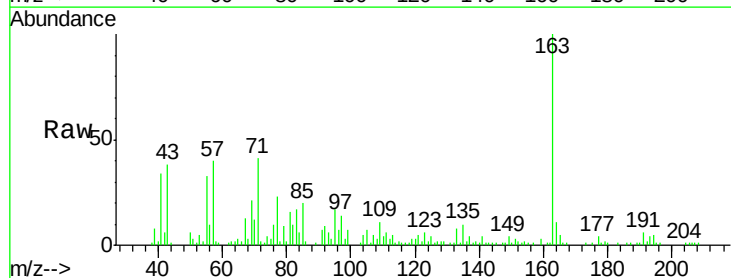
Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

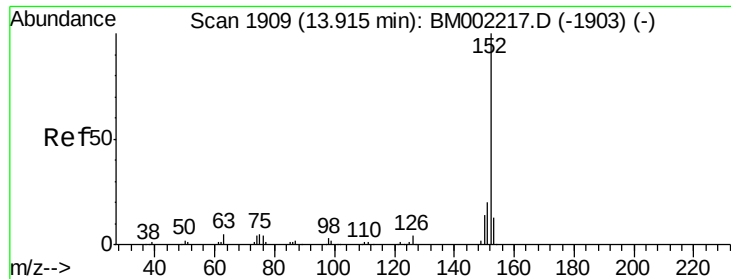
Tgt Ion:142 Resp: 26871
 Ion Ratio Lower Upper
 142 100
 141 90.5 68.9 103.3



#45
 Dimethylphthalate
 Concen: 3.79 ng/ul
 RT: 13.66 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion:163 Resp: 78564
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.4 5.2
 164 10.5 7.9 11.9





#48

Acenaphthylene

Concen: 4.12 ng/ul

RT: 13.92 min Scan# 1910

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

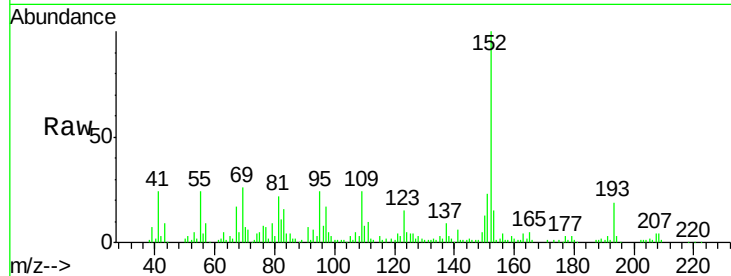
Tgt Ion:152 Resp: 110397

Ion Ratio Lower Upper

152 100

151 22.6 15.2 22.8

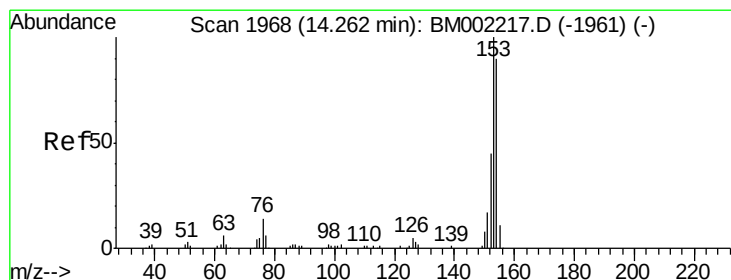
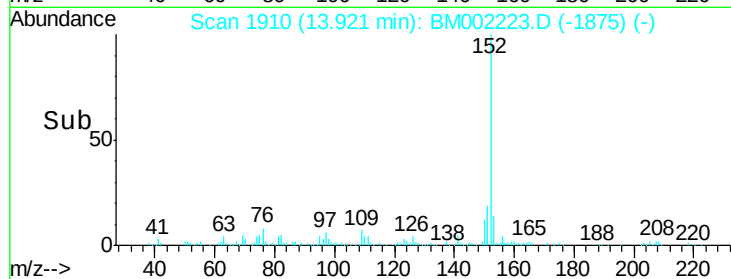
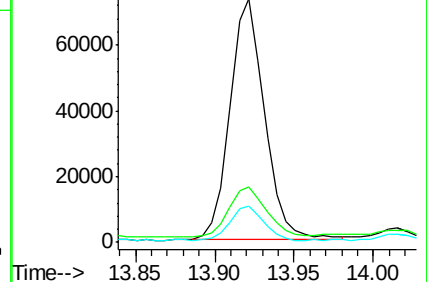
153 14.7 10.3 15.5



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: 1.99 ng/ul

RT: 14.26 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

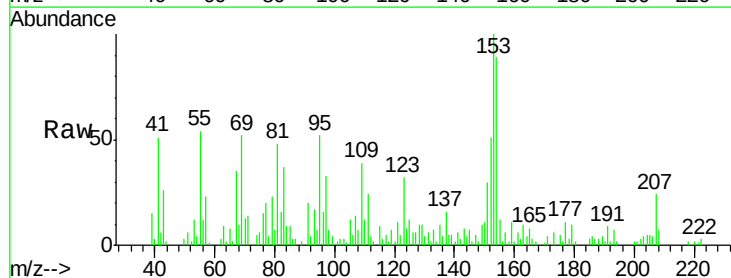
Tgt Ion:153 Resp: 34758

Ion Ratio Lower Upper

153 100

152 51.2 36.6 54.8

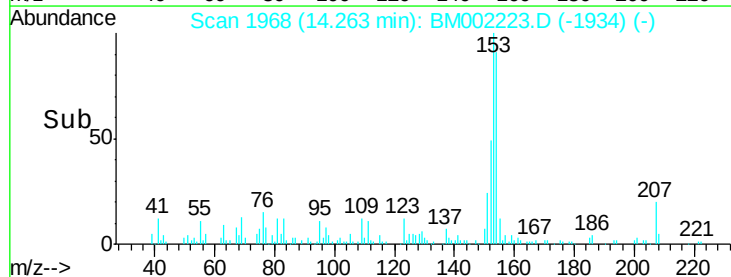
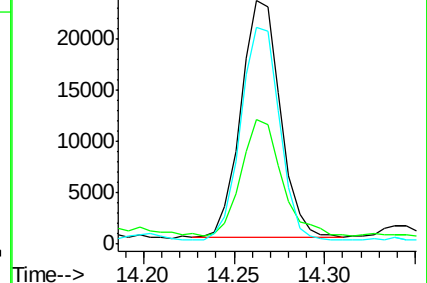
154 89.2 71.7 107.5

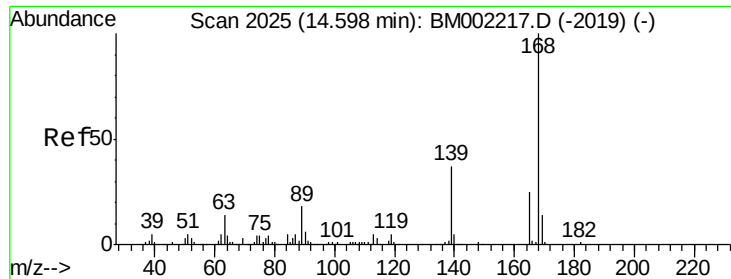


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 1.24 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampled :

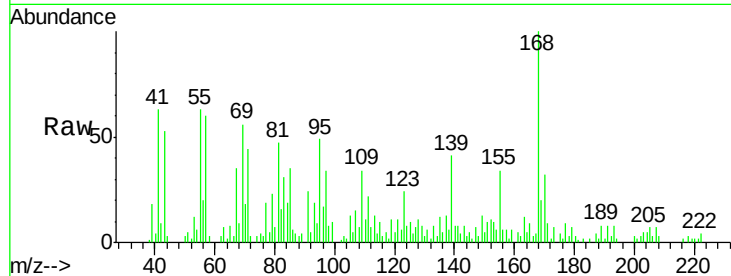
C01Q6RE

Tgt Ion:168 Resp: 31355

Ion Ratio Lower Upper

168 100

139 41.1 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

15000

10000

5000

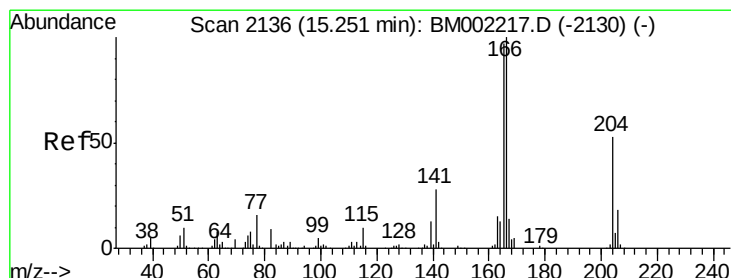
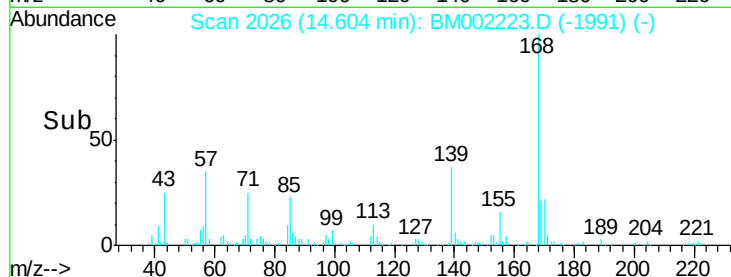
0

14.55

14.60

14.65

Time-->



#59

Fluorene

Concen: 2.34 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

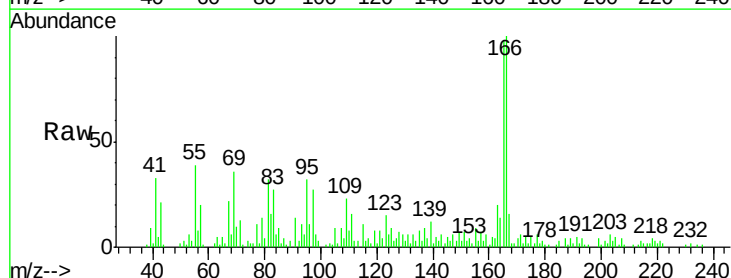
Tgt Ion:166 Resp: 48824

Ion Ratio Lower Upper

166 100

165 98.2 76.0 114.0

167 15.7 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

40000

30000

20000

10000

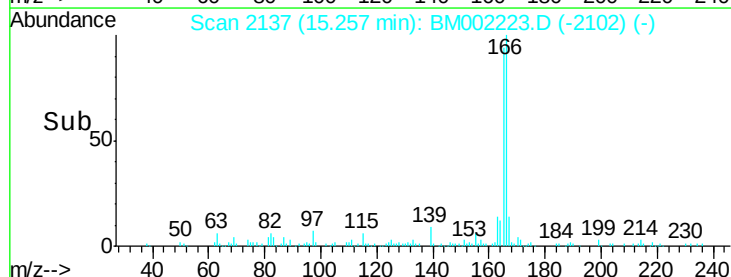
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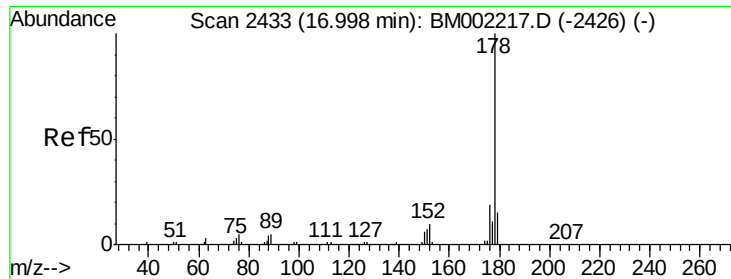
15.20

15.25

15.30

Time-->





#70

Phenanthrene

Concen: 29.31 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

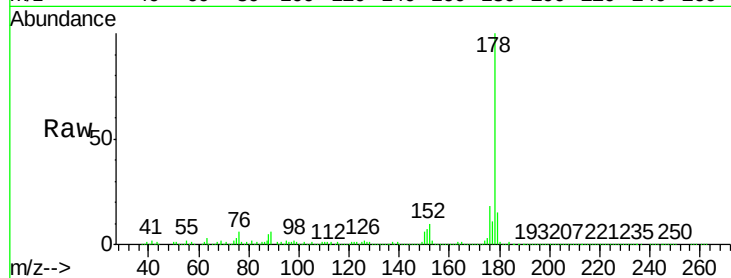
Tgt Ion:178 Resp: 909185

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

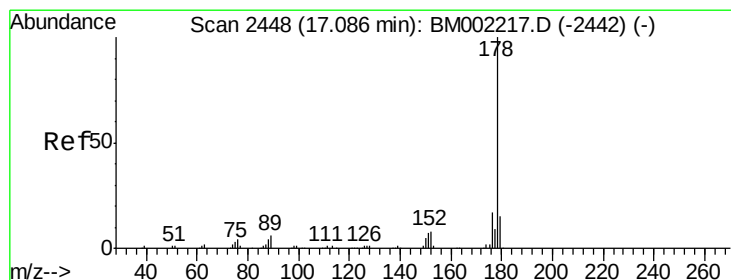
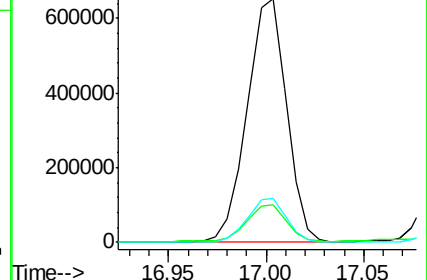
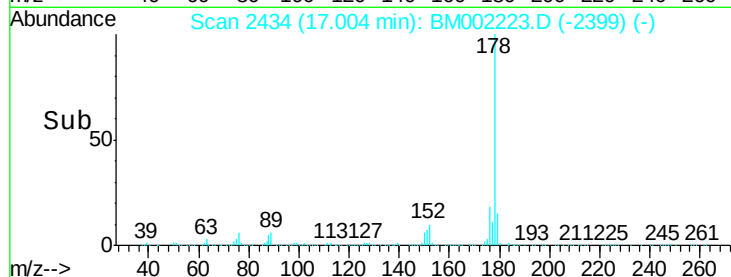
176 18.0 14.6 21.8



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: 6.84 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

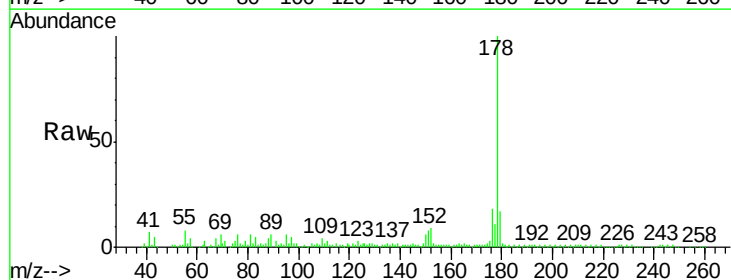
Tgt Ion:178 Resp: 216829

Ion Ratio Lower Upper

178 100

179 16.8 12.2 18.2

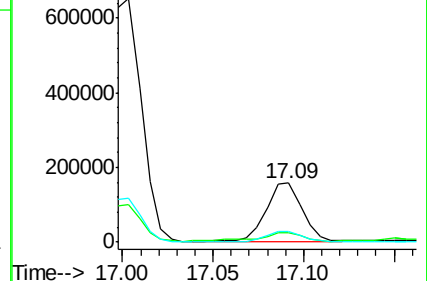
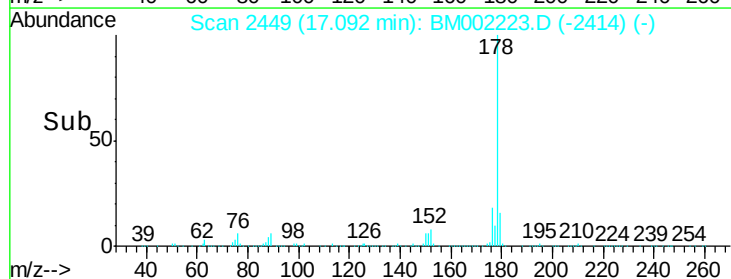
176 17.9 13.8 20.6

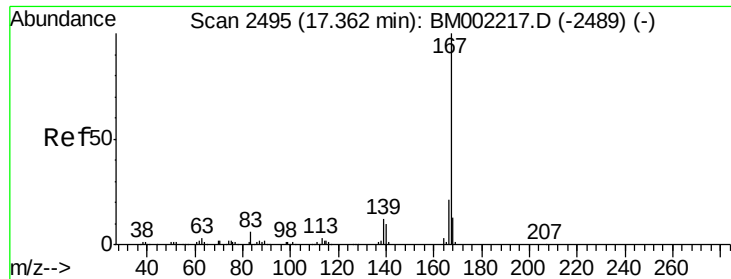


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.83 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BM002223.D

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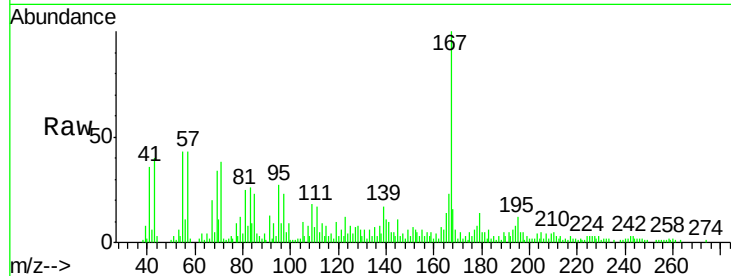
Tgt Ion:167 Resp: 48476

Ion Ratio Lower Upper

167 100

166 22.7 16.7 25.1

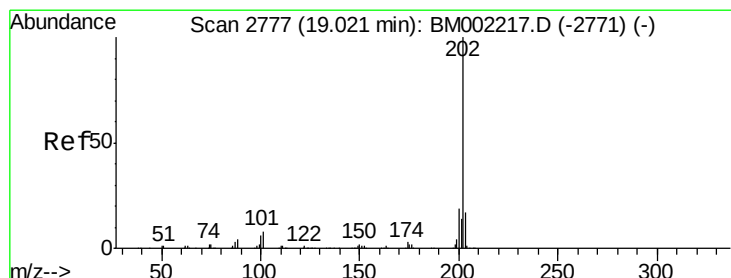
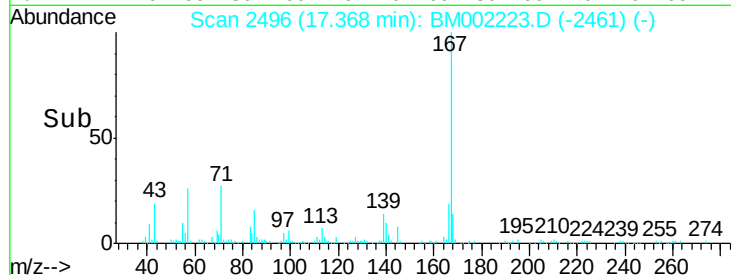
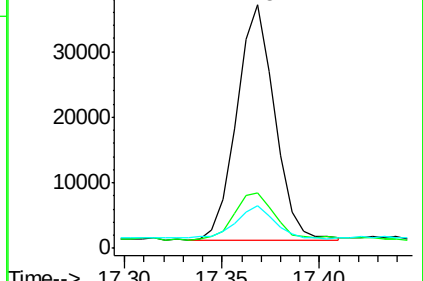
139 17.4 9.4 14.2#



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: 46.37 ng/ul

RT: 19.03 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

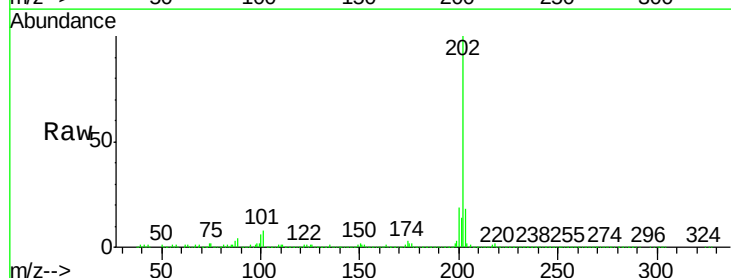
Tgt Ion:202 Resp: 1574336

Ion Ratio Lower Upper

202 100

101 8.0 6.2 9.2

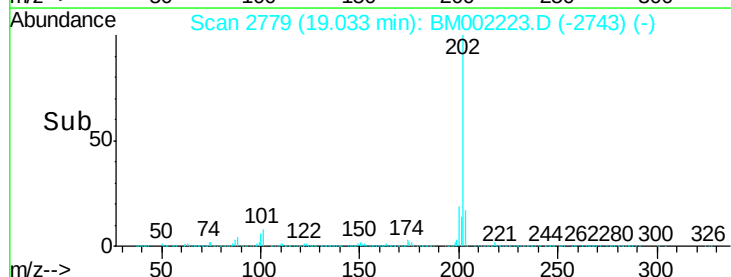
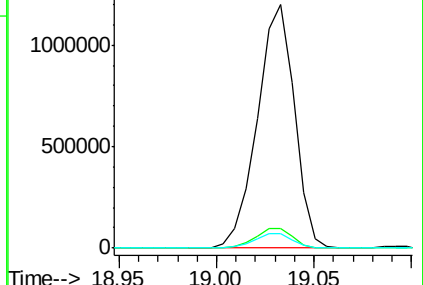
100 6.1 4.8 7.2

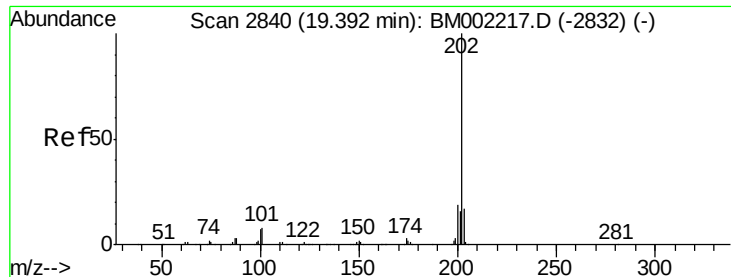


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

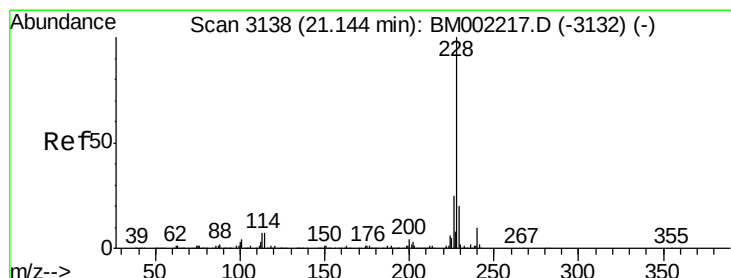
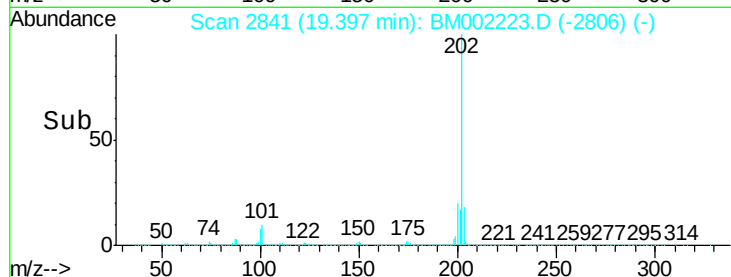
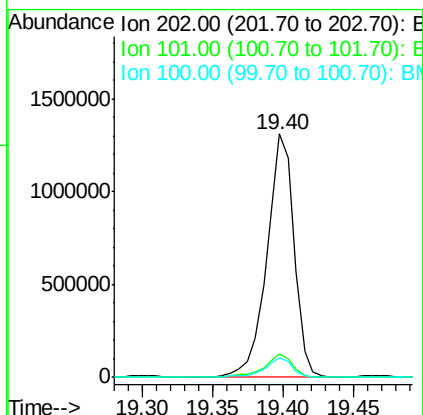
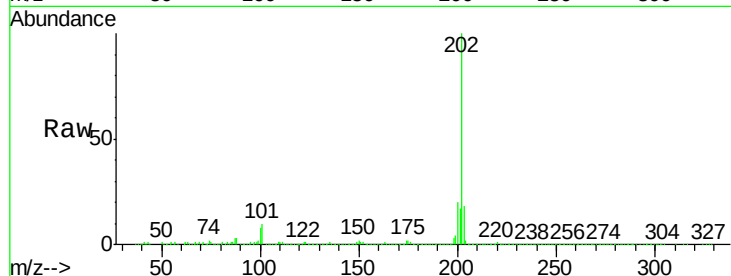




#80
 Pyrene
 Concen: 38.00 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

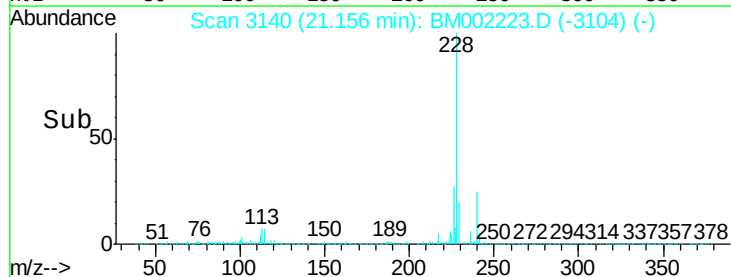
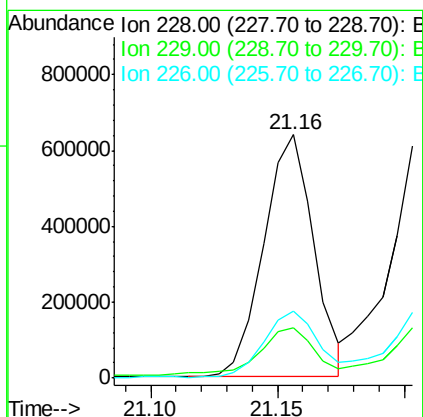
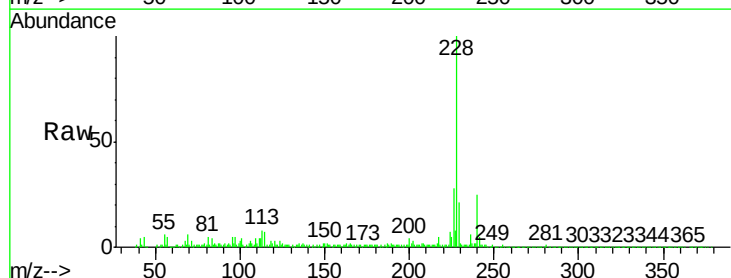
Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

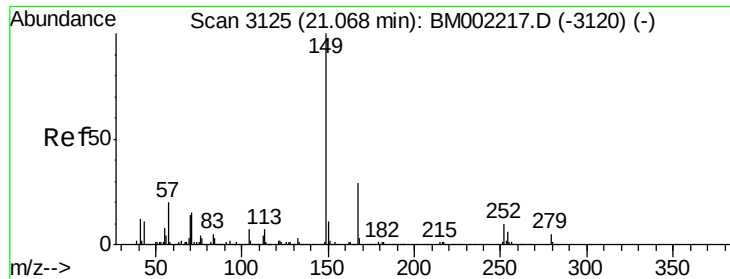
Tgt Ion:202 Resp: 1764001
 Ion Ratio Lower Upper
 202 100
 101 9.5 7.0 10.6
 100 8.2 5.8 8.8



#83
 Benzo(a)anthracene
 Concen: 20.71 ng/ul
 RT: 21.16 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion:228 Resp: 876394
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.9 23.9
 226 27.6 20.6 31.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.29 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

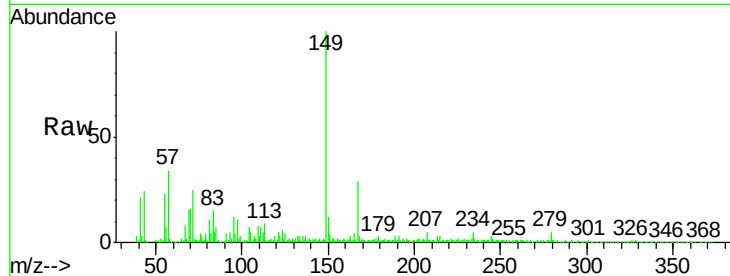
Tgt Ion:149 Resp: 292716

Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.4

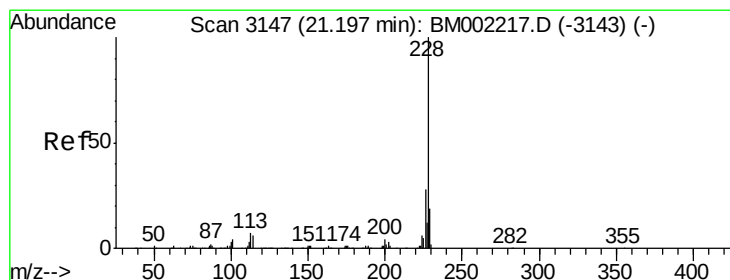
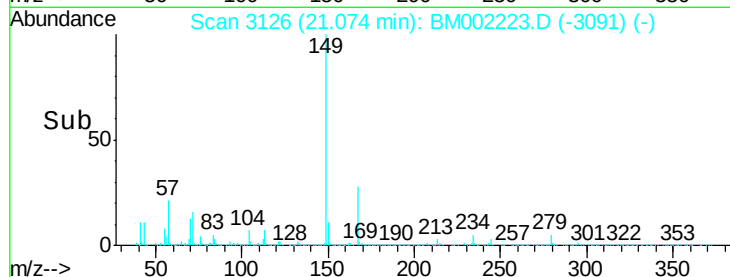
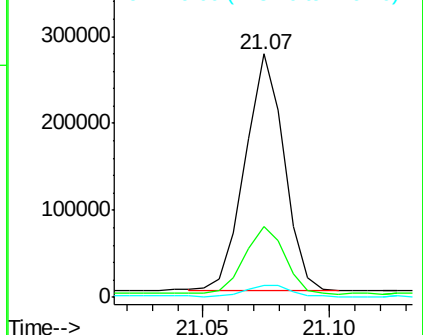
279 5.0 4.0 6.0



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: 22.76 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

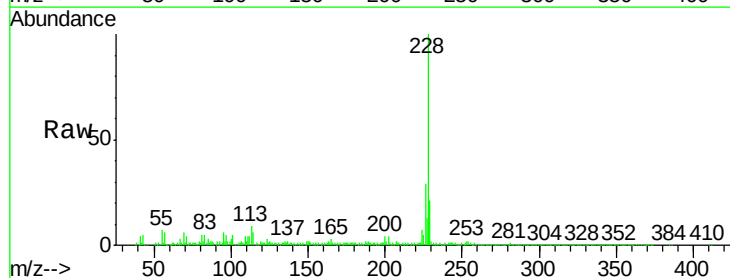
Tgt Ion:228 Resp: 886694

Ion Ratio Lower Upper

228 100

226 29.3 22.2 33.4

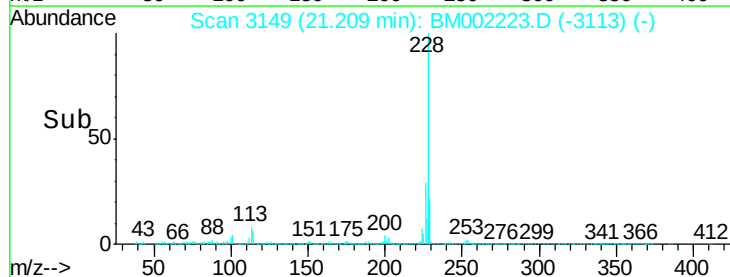
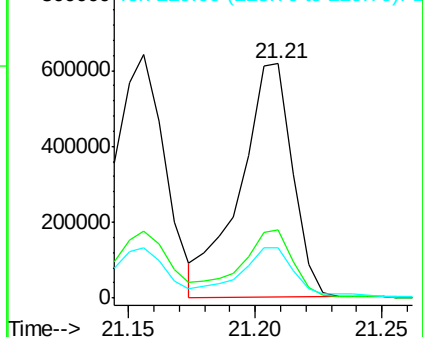
229 21.5 15.5 23.3

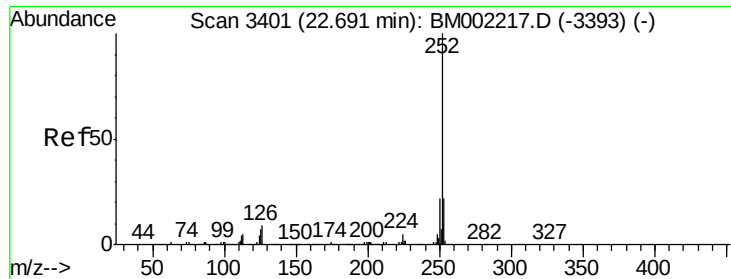


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

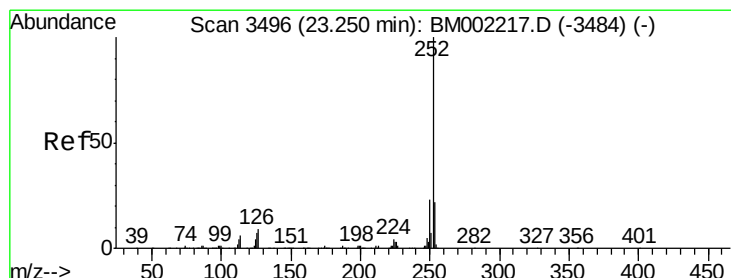
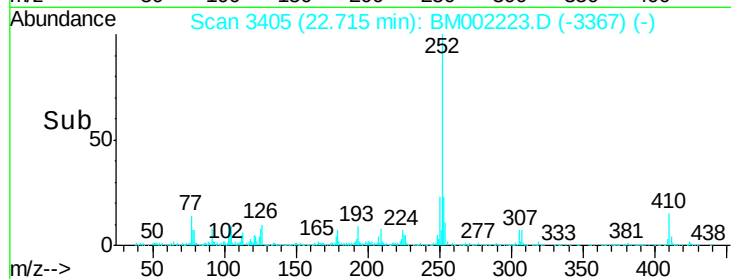
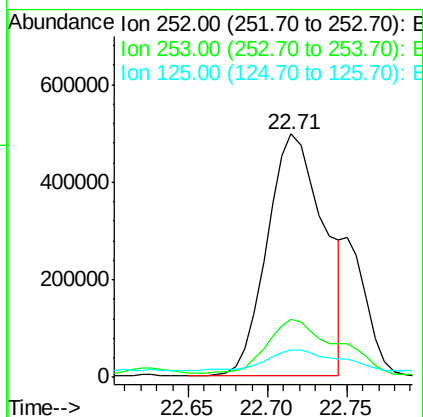
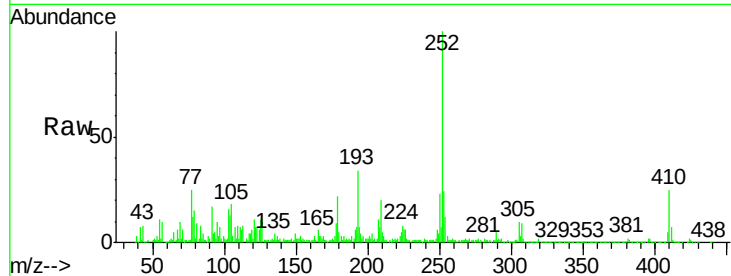




#88
Benzo(b)fluoranthene
Concen: 26.94 ng/ul
RT: 22.71 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

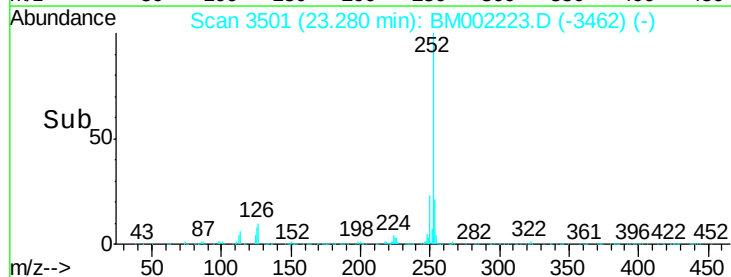
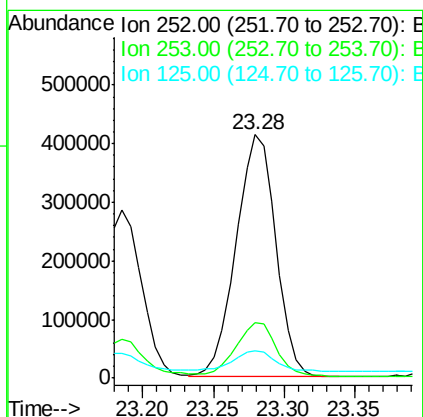
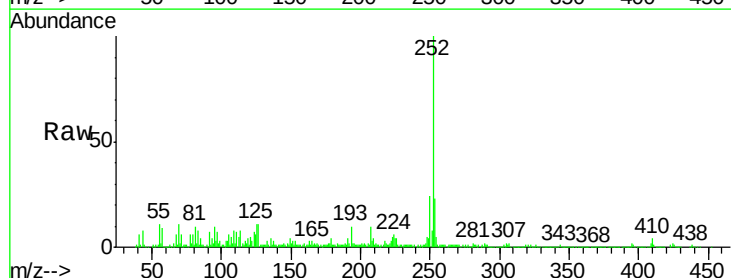
Instrument :
BNA_M
ClientSampleId :
C01Q6RE

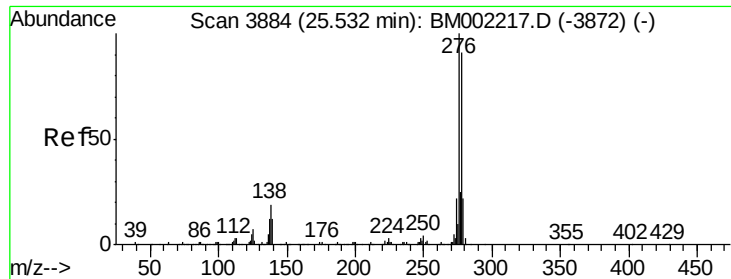
Tgt Ion:252 Resp: 1235306
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.1 5.4 8.2#



#91
Benzo(a)pyrene
Concen: 18.59 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.03 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:252 Resp: 813972
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.0 6.1 9.1#





#92

Indeno(1,2,3-cd)pyrene

Concen: 10.61 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. 0.04 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

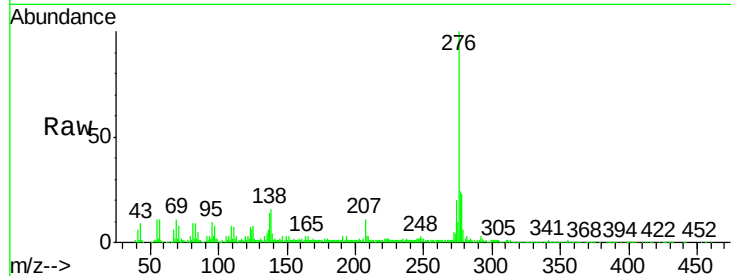
Tgt Ion:276 Resp: 523676

Ion Ratio Lower Upper

276 100

138 16.1 15.4 23.0

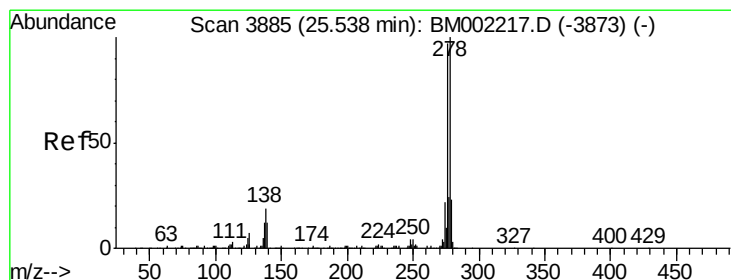
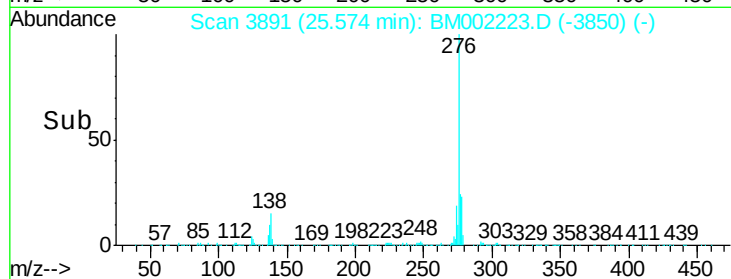
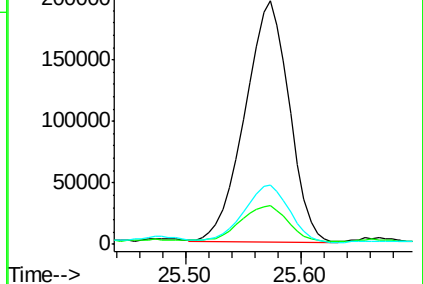
277 24.2 20.2 30.2



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: 3.56 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

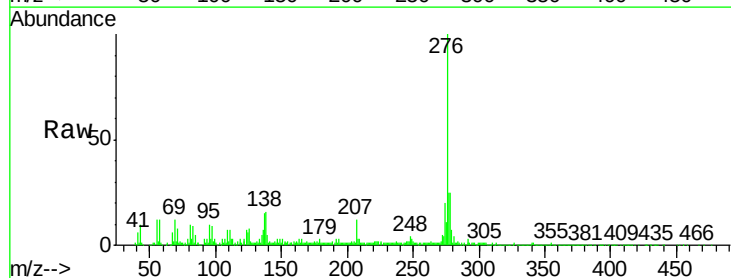
Tgt Ion:278 Resp: 149795

Ion Ratio Lower Upper

278 100

139 19.8 10.4 15.6#

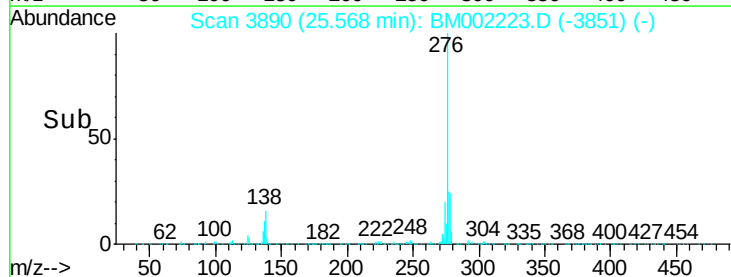
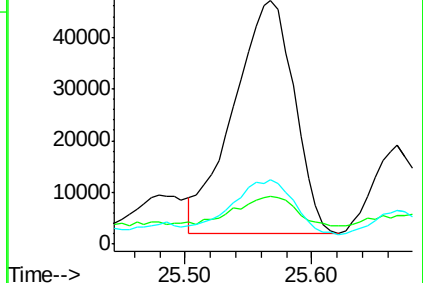
279 26.3 17.9 26.9

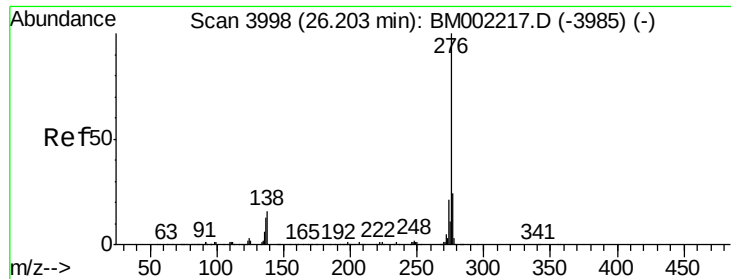


Abundance Ion 278.00 (277.70 to 278.70): E

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: 12.12 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.05 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

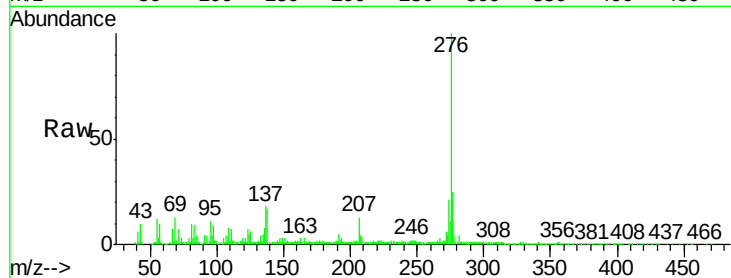
Tgt Ion: 276 Resp: 497981

Ion Ratio Lower Upper

276 100

138 16.6 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

