

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000908.D
 Acq On : 08 Apr 2015 14:27
 Operator : TP/IZ
 Sample : G1742-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-3

Quant Time: Apr 09 03:45:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 03:29:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	28643	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	100485	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	51164	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	107832	5.00	ng	0.00
19) Chrysene-d12	21.20	240	93720	5.00	ng	0.00
25) Perylene-d12	23.38	264	84581	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	42561	6.93	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	133721	8.42	ng	0.00
21) Terphenyl-d14	19.65	244	117929	10.46	ng	0.00

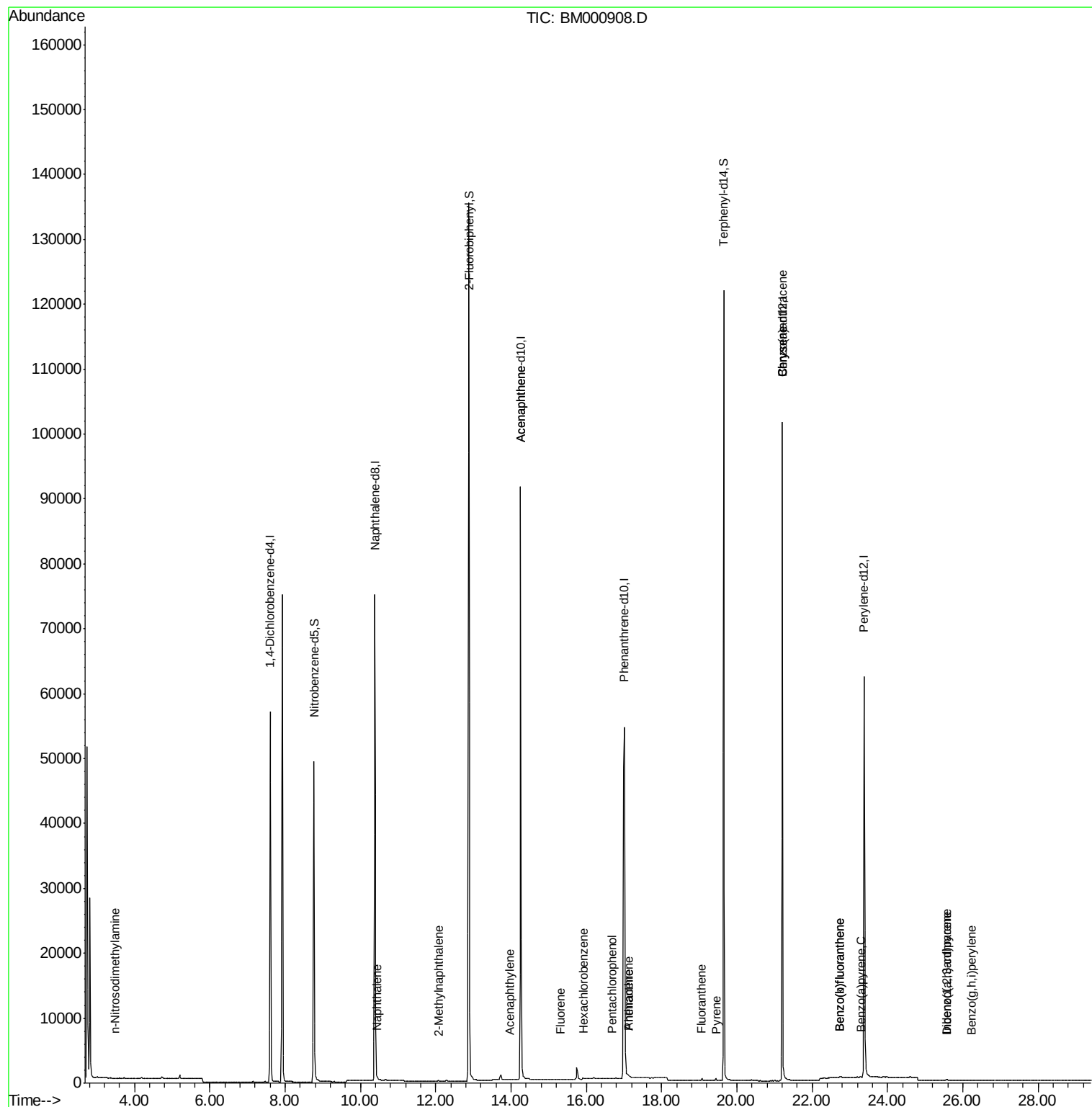
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.49	42	8	0.16	ng	# 48
6) Naphthalene	10.44	128	123	0.01	ng	# 10
7) 2-Methylnaphthalene	12.07	142	52	0.00	ng	# 40
10) Acenaphthylene	13.97	152	40	0.00	ng	# 62
11) Acenaphthene	14.26	154	238	0.02	ng	# 14
12) Fluorene	15.32	166	57	0.00	ng	# 86
14) Hexachlorobenzene	15.92	284	397	0.06	ng	# 43
15) Pentachlorophenol	16.68	266	28	0.38	ng	# 65
16) Phenanthrene	17.13	178	188	0.01	ng	93
17) Anthracene	17.13	178	188	0.01	ng	# 92
18) Fluoranthene	19.07	202	479	0.02	ng	96
20) Pyrene	19.44	202	427	0.01	ng	96
22) Benzo(a)anthracene	21.20	228	556	0.02	ng	# 75
23) Chrysene	21.20	228	556	0.02	ng	# 74
24) Indeno(1,2,3-cd)pyrene	25.57	276	351	0.01	ng	99
26) Benzo(b)fluoranthene	22.74	252	534	0.02	ng	# 1
27) Benzo(k)fluoranthene	22.74	252	534	0.02	ng	# 1
28) Benzo(a)pyrene	23.29	252	221	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	282	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.23	276	291	0.01	ng	# 39

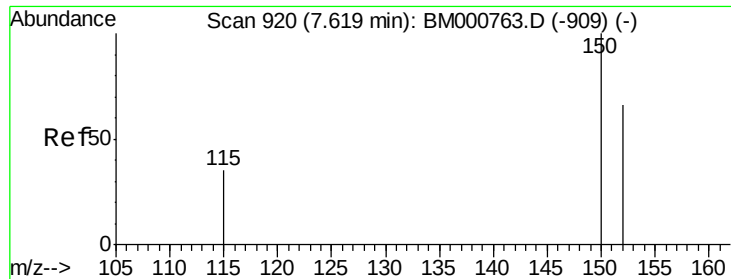
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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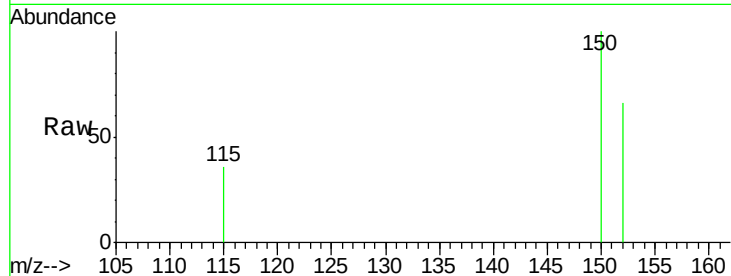


#1

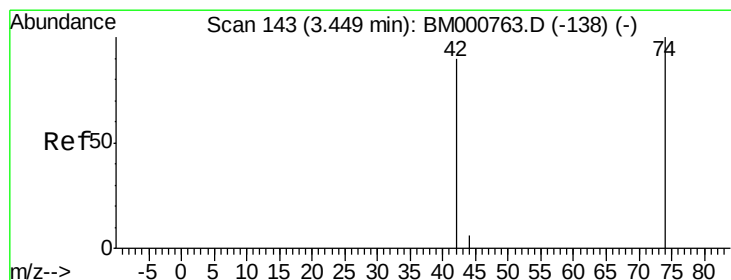
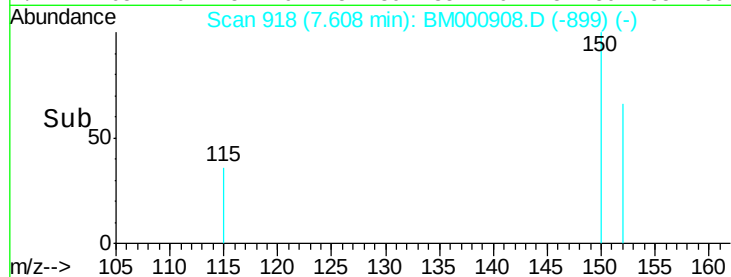
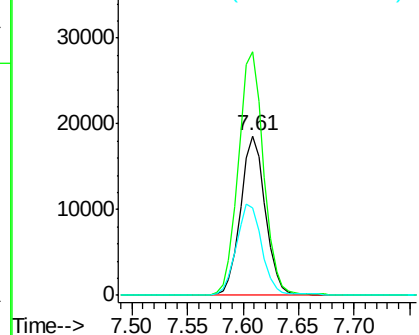
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 918
Delta R.T. 0.00 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Instrument :
BNA_M
ClientSampleId :
MW-3

Tgt Ion: 152 Resp: 28643
Ion Ratio Lower Upper
152 100
150 152.5 120.8 181.2
115 54.8 42.7 64.1



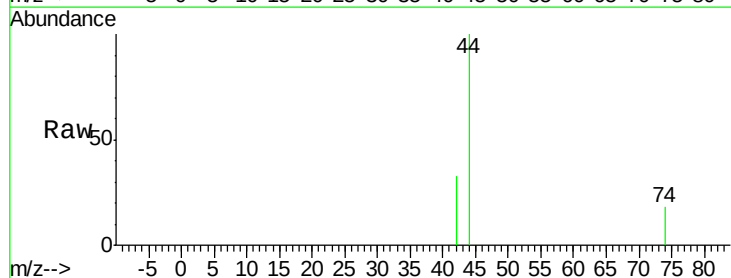
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



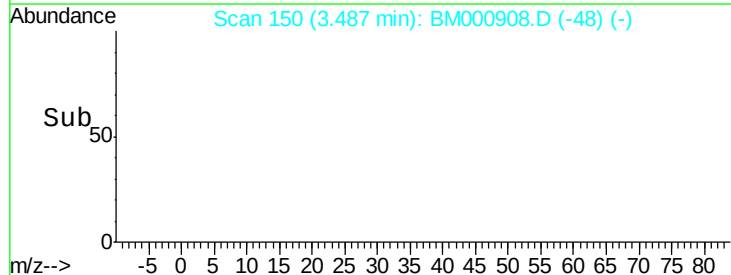
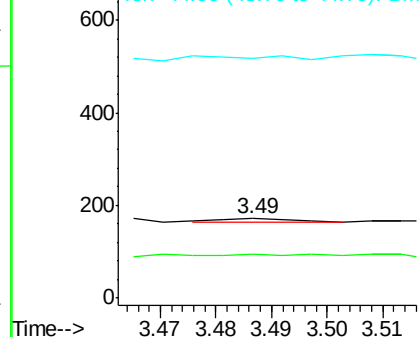
#3

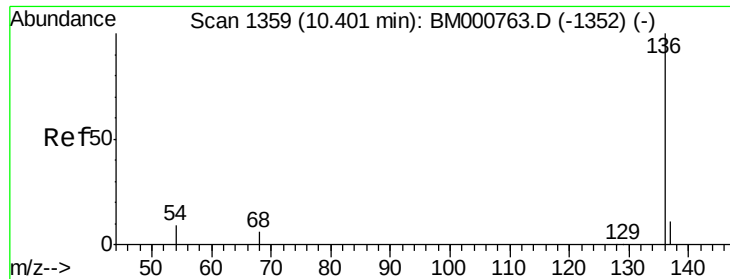
n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.49 min Scan# 150
Delta R.T. 0.05 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Tgt Ion: 42 Resp: 8
Ion Ratio Lower Upper
42 100
74 75.0 93.6 140.4#
44 100.0 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

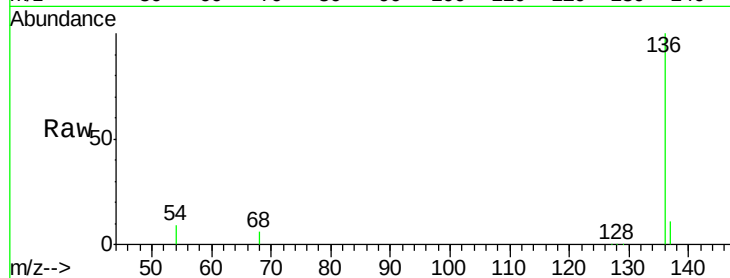
Tgt Ion:136 Resp: 100485

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

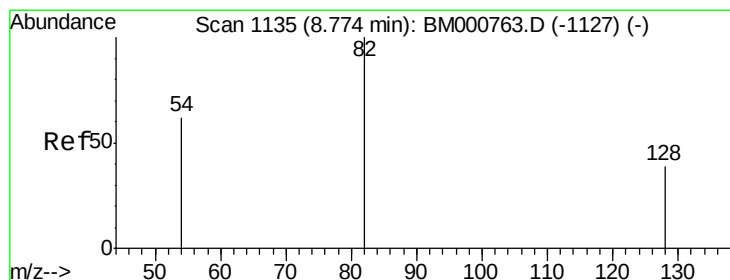
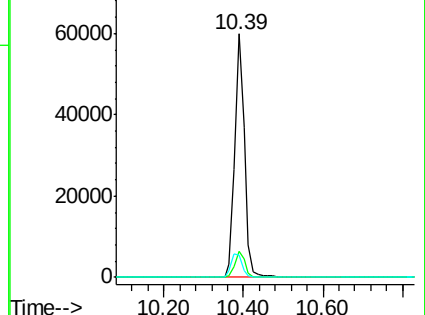
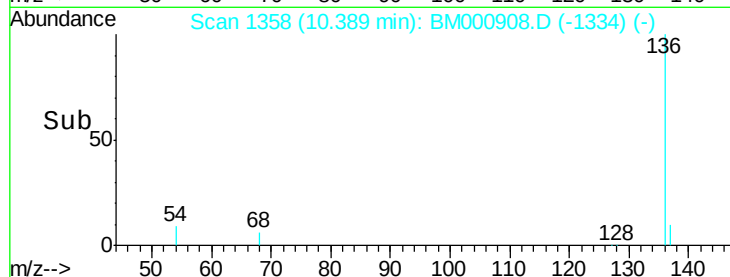
54 9.0 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



#5

Nitrobenzene-d5

Concen: 6.93 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

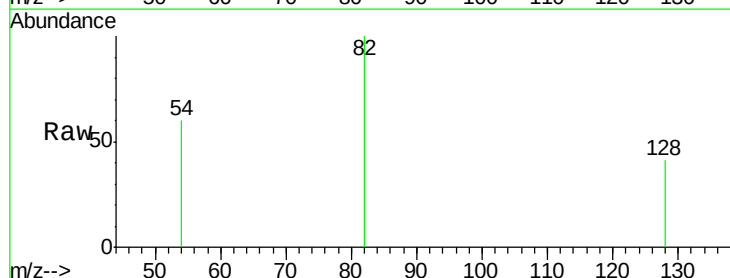
Tgt Ion: 82 Resp: 42561

Ion Ratio Lower Upper

82 100

128 40.8 32.2 48.2

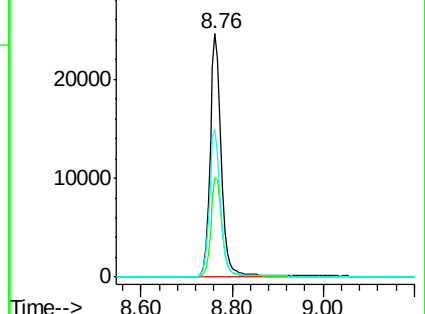
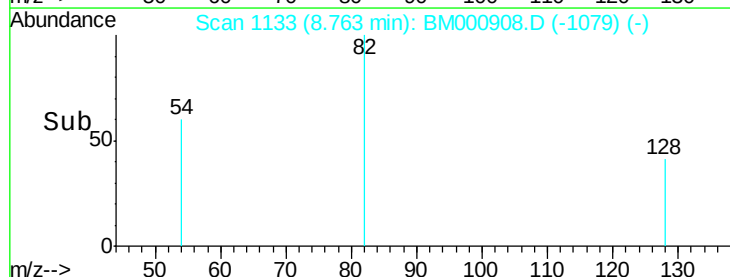
54 60.4 50.2 75.4

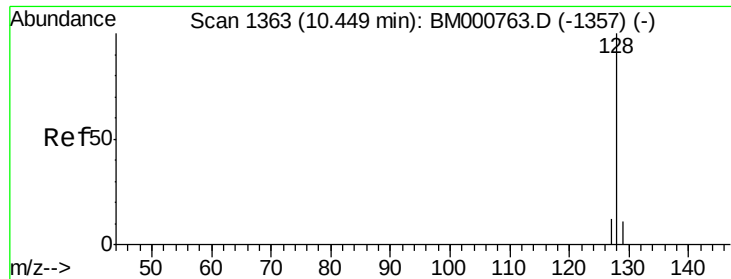


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 0.01 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampled :

MW-3

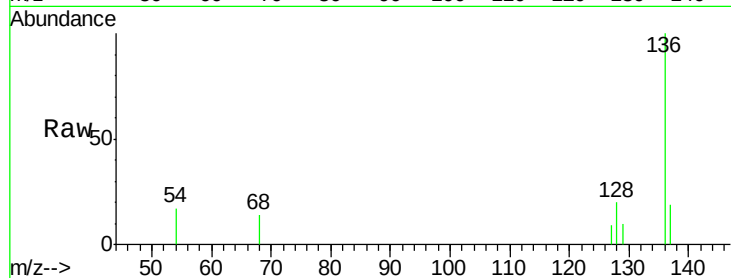
Tgt Ion:128 Resp: 123

Ion Ratio Lower Upper

128 100

129 48.1 8.9 13.3#

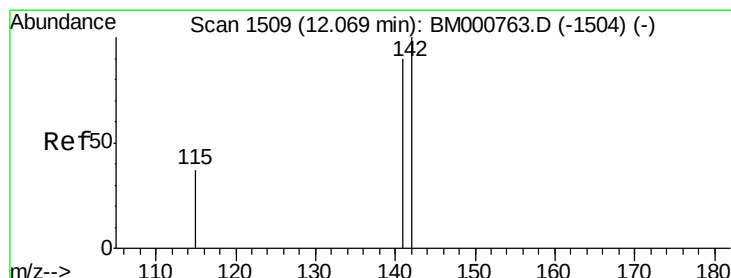
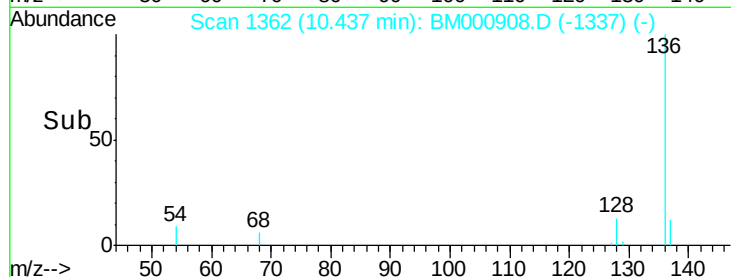
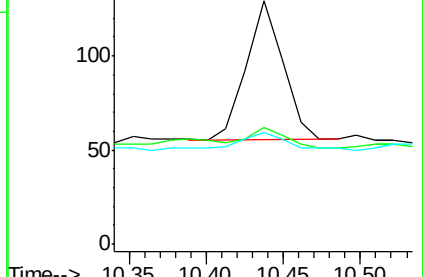
127 45.7 10.0 15.0#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

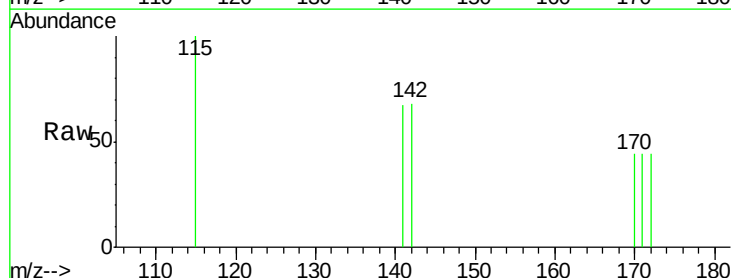
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

141 98.6 72.3 108.5

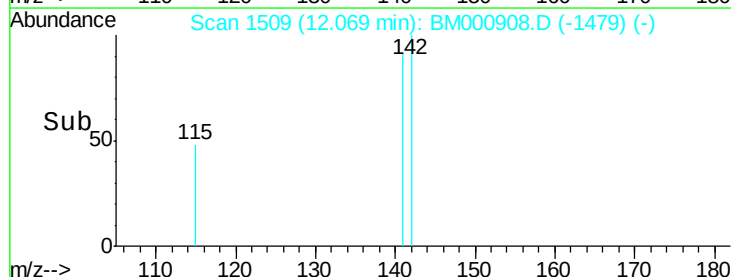
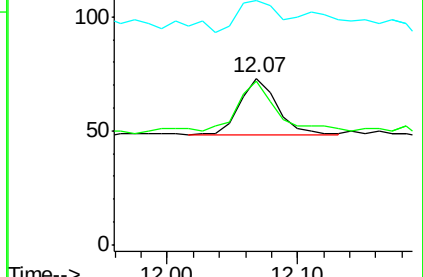
115 146.6 29.5 44.3#

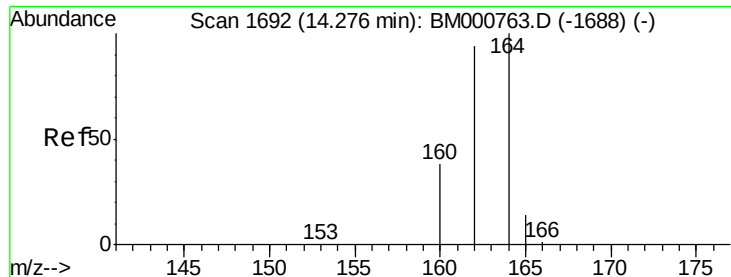


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

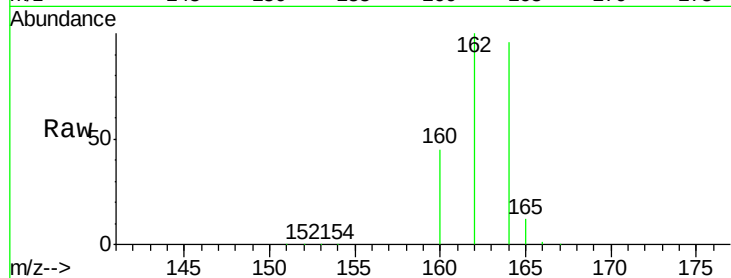
Tgt Ion:164 Resp: 51164

Ion Ratio Lower Upper

164 100

162 104.6 75.4 113.2

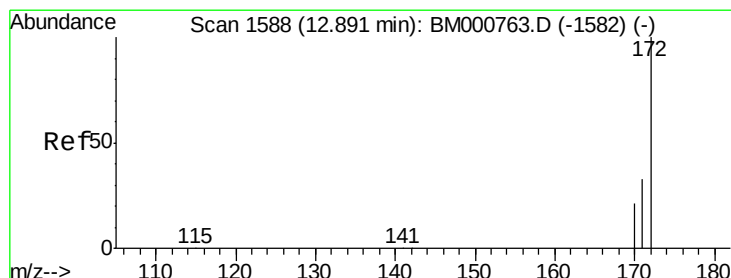
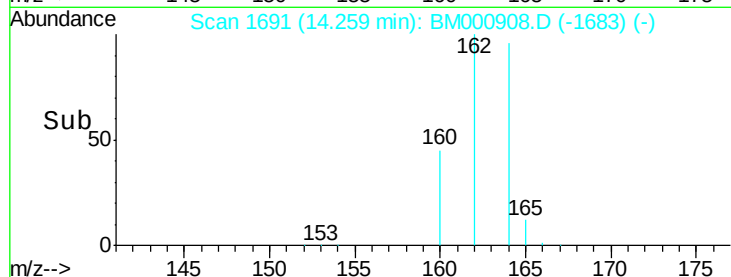
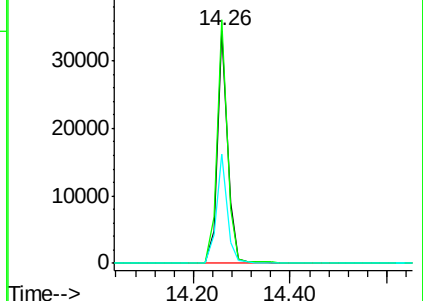
160 47.0 30.8 46.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#9

2-Fluorobiphenyl

Concen: 8.42 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

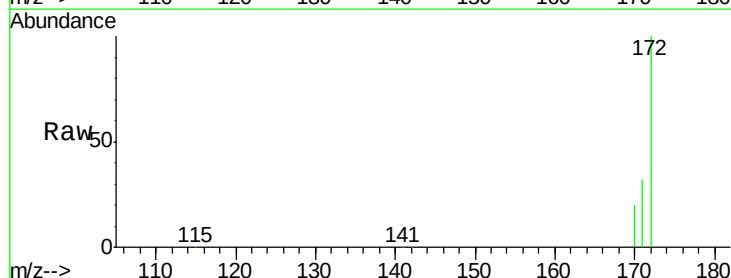
Tgt Ion:172 Resp: 133721

Ion Ratio Lower Upper

172 100

171 32.3 26.6 39.8

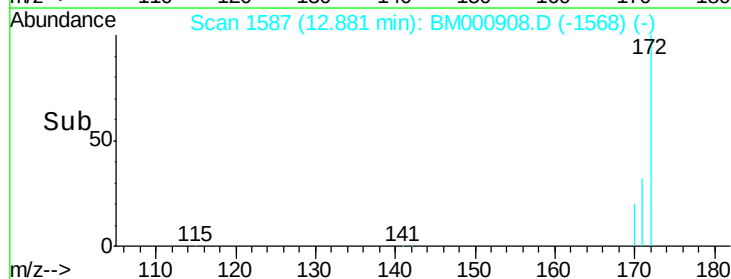
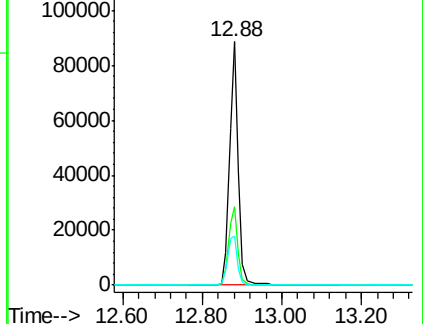
170 20.1 17.1 25.7

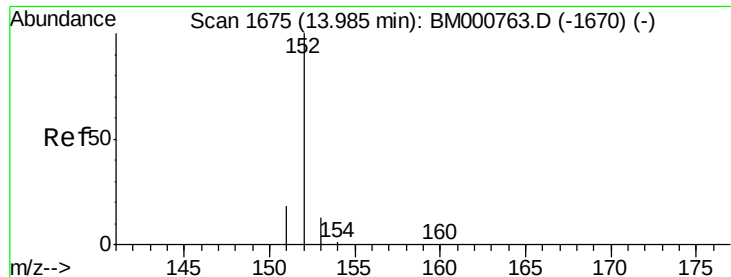


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.00 ng

RT: 13.97 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

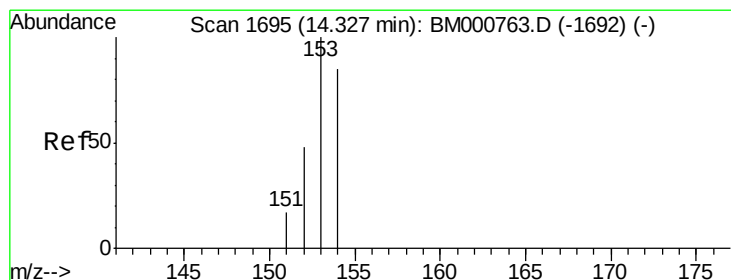
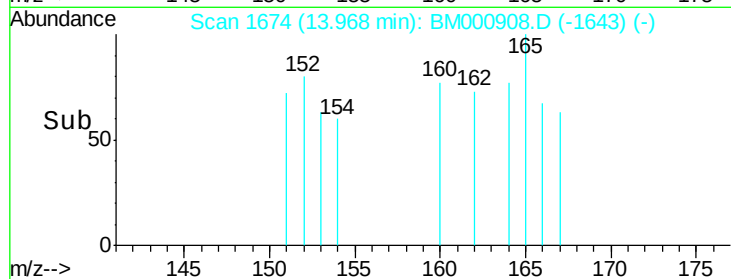
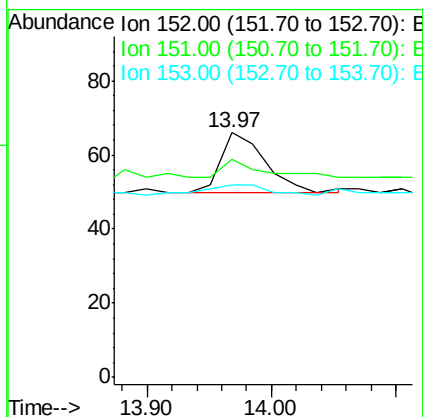
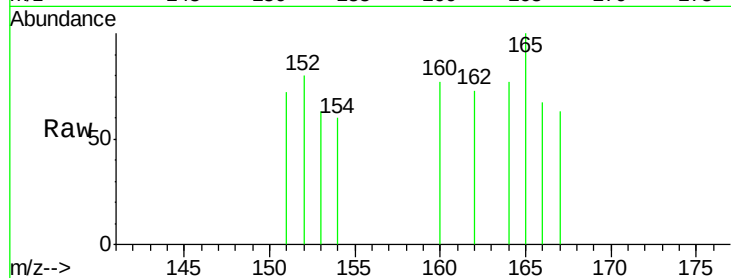
Tgt Ion:152 Resp: 40

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#

153 0.0 10.2 15.4#



#11

Acenaphthene

Concen: 0.02 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

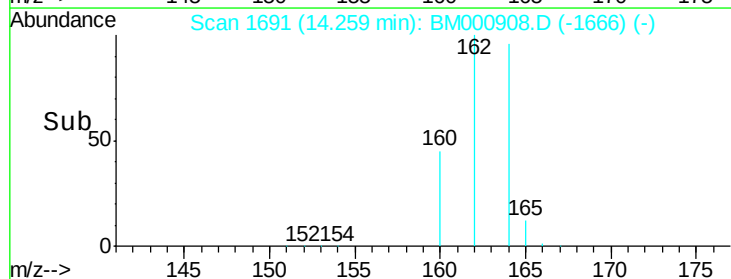
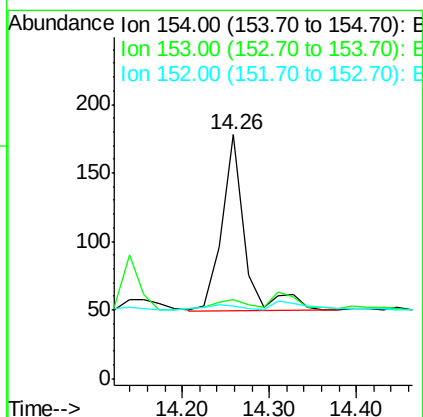
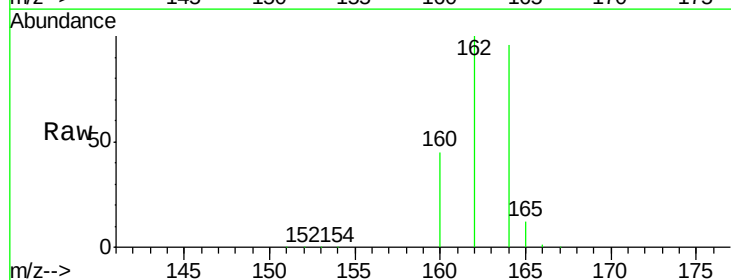
Tgt Ion:154 Resp: 238

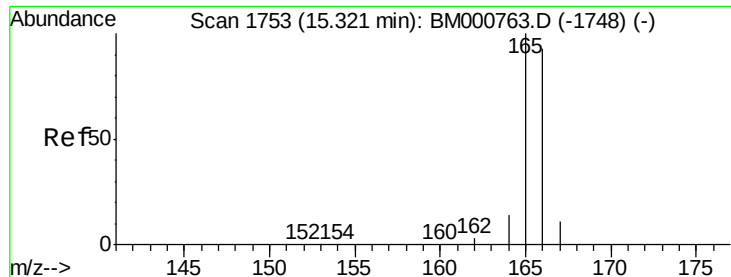
Ion Ratio Lower Upper

154 100

153 10.1 87.3 130.9#

152 4.6 43.0 64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

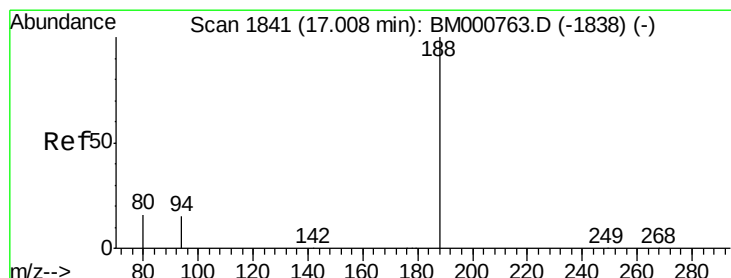
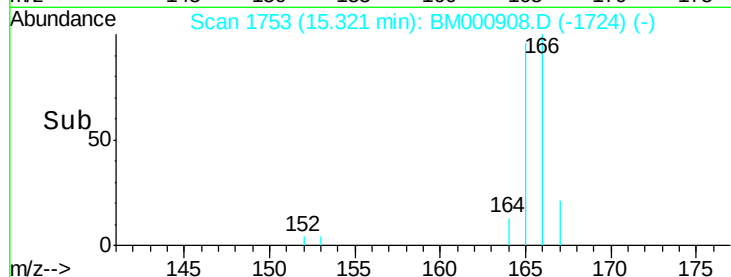
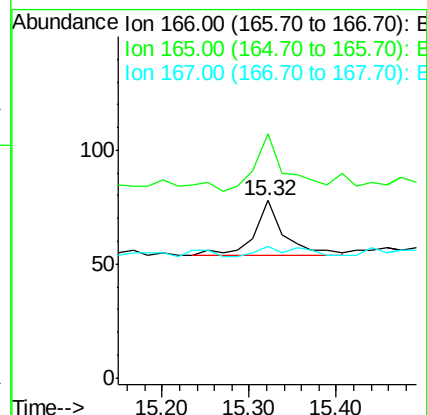
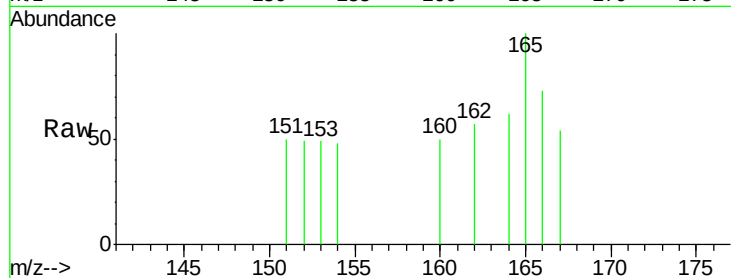
Tgt Ion:166 Resp: 57

Ion Ratio Lower Upper

166 100

165 107.0 78.2 117.2

167 31.6 10.7 16.1#



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

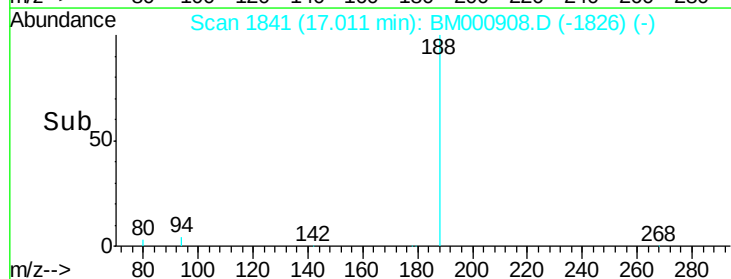
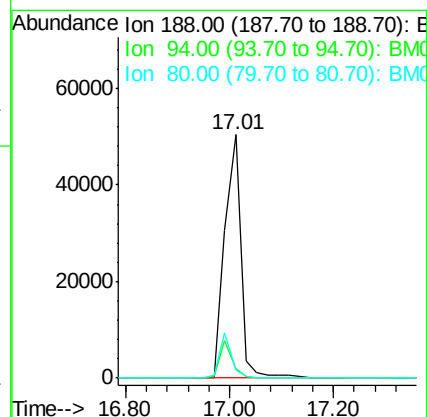
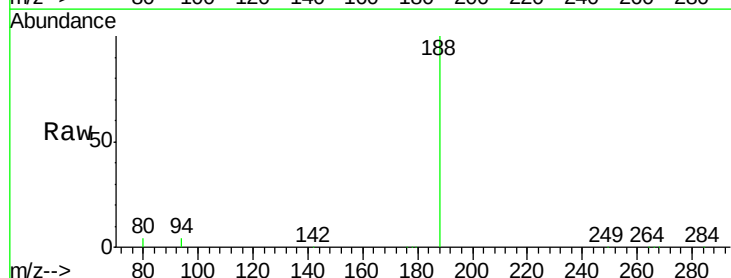
Tgt Ion:188 Resp: 107832

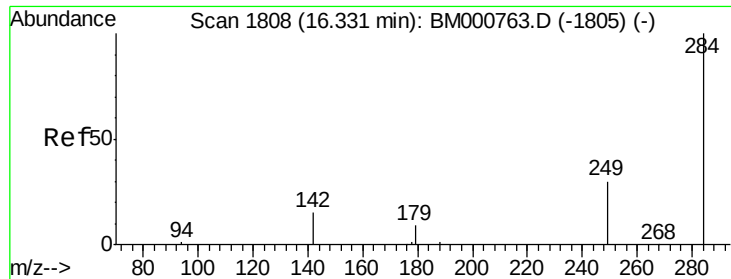
Ion Ratio Lower Upper

188 100

94 3.9 12.0 18.0#

80 3.5 12.8 19.2#

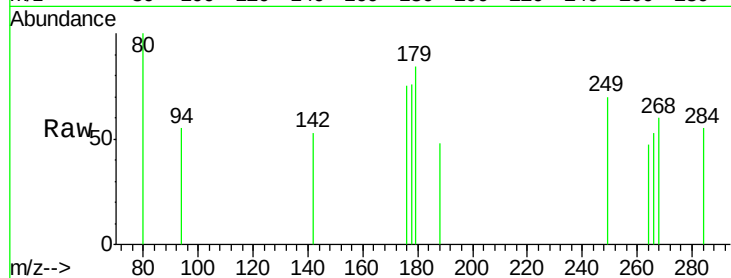




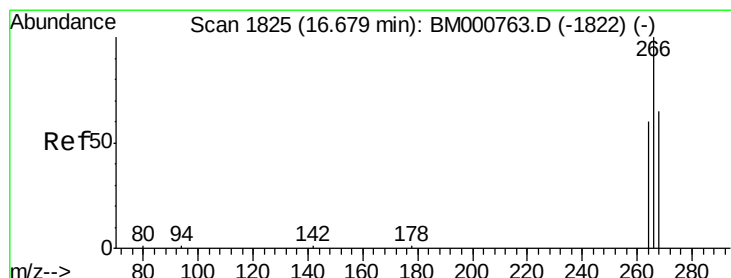
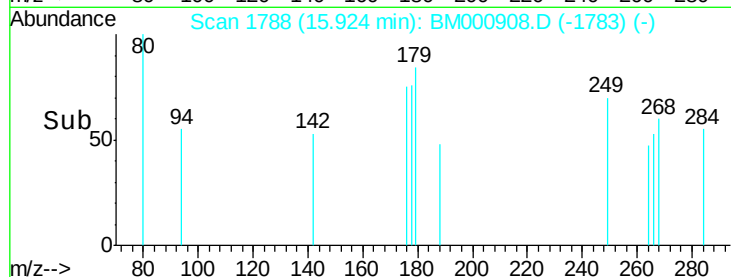
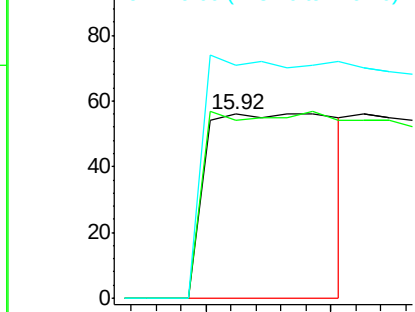
#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Instrument :
BNA_M
ClientSampleId :
MW-3

Tgt Ion: 284 Resp: 397
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#

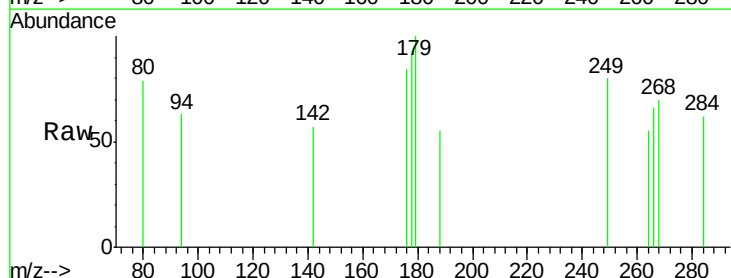


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

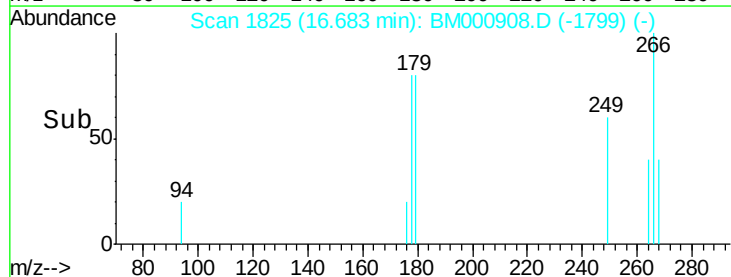
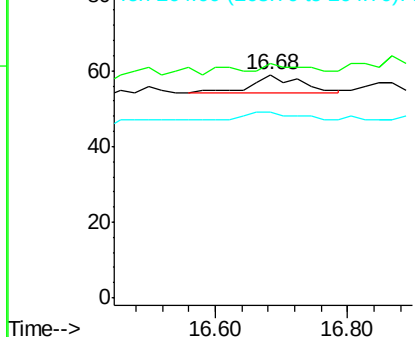


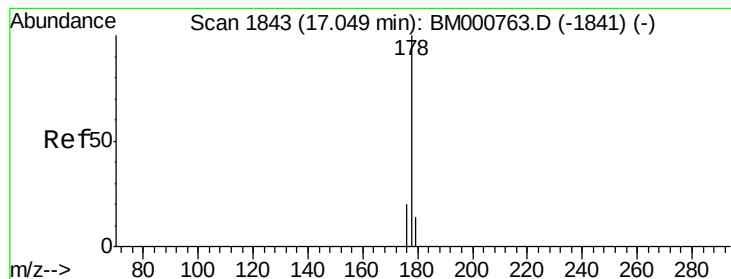
#15
Pentachlorophenol
Concen: 0.38 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Tgt Ion: 266 Resp: 28
Ion Ratio Lower Upper
266 100
268 105.1 55.0 82.6#
264 83.1 51.0 76.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.01 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.09 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

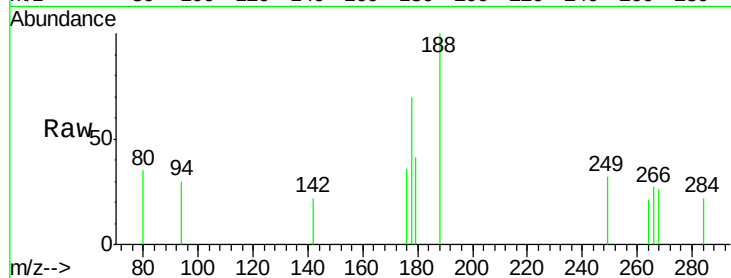
Tgt Ion:178 Resp: 188

Ion Ratio Lower Upper

178 100

176 22.3 15.3 22.9

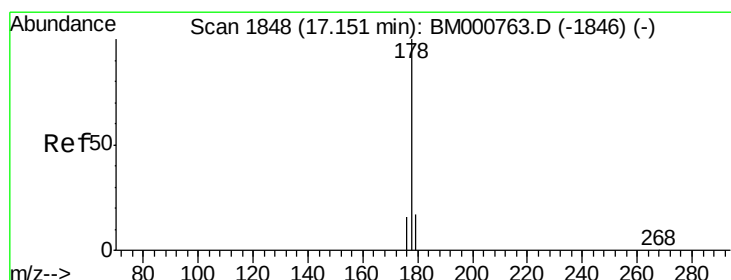
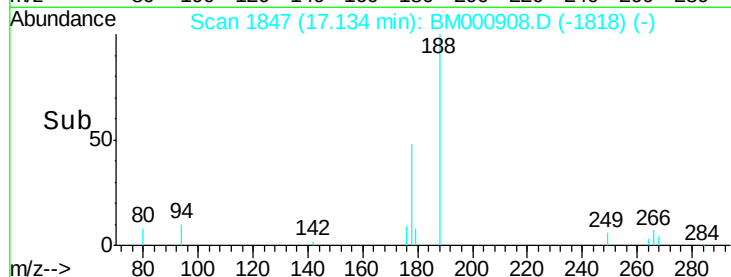
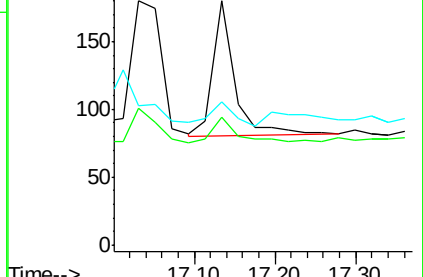
179 18.1 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Anthracene

Concen: 0.01 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

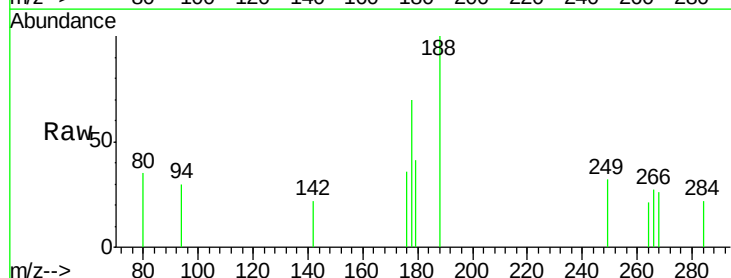
Tgt Ion:178 Resp: 188

Ion Ratio Lower Upper

178 100

176 22.3 14.6 22.0#

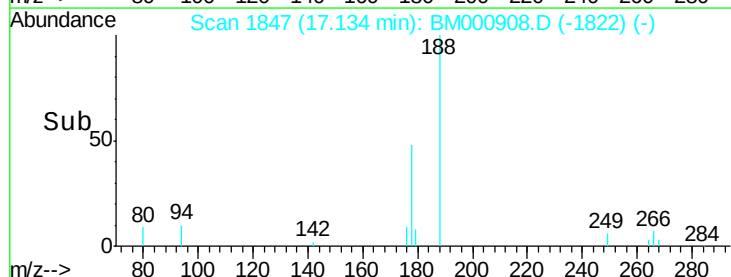
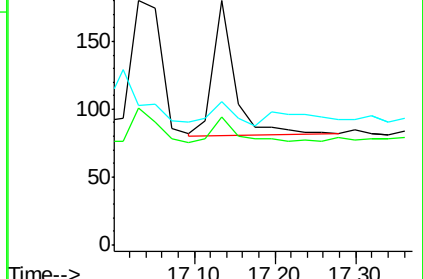
179 18.1 12.2 18.4

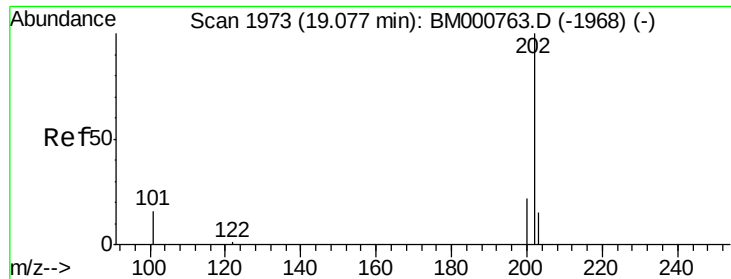


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

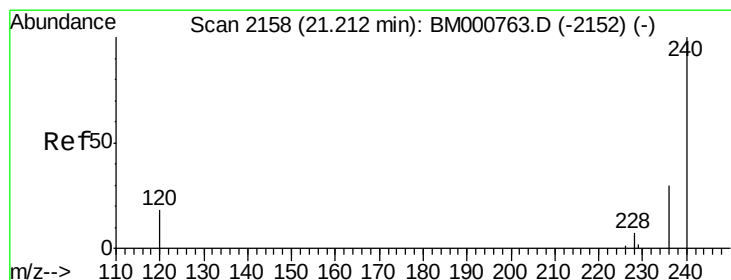
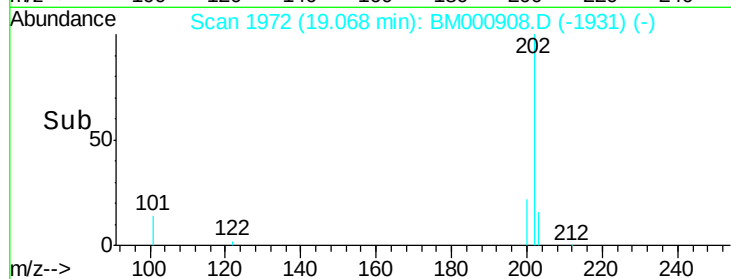
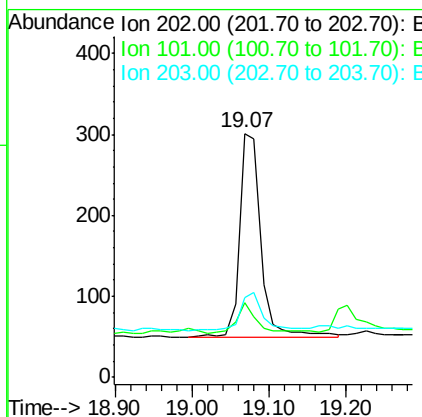
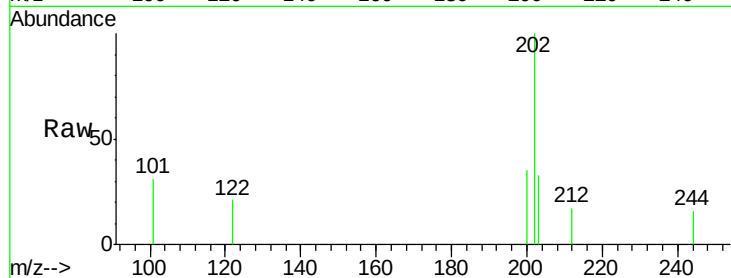




#18
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.07 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000908.D
 Acq: 08 Apr 2015 14:27

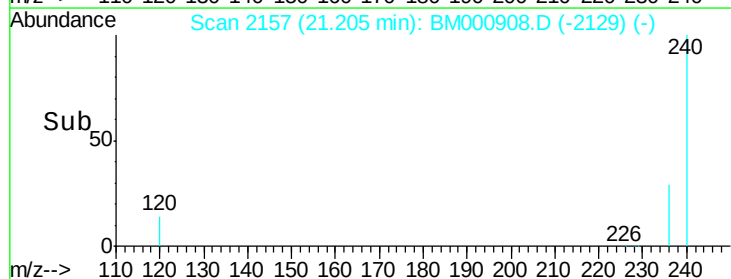
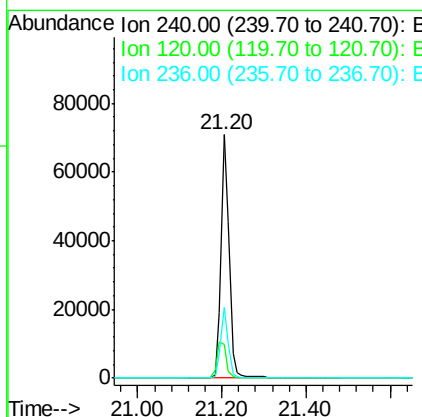
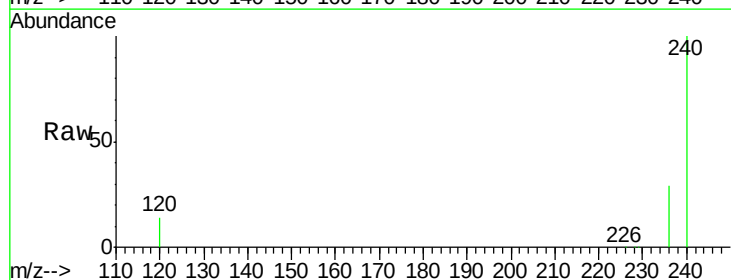
Instrument :
 BNA_M
 ClientSampleId :
 MW-3

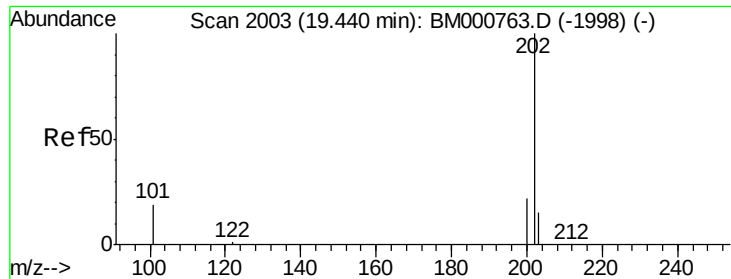
Tgt Ion:202 Resp: 479
 Ion Ratio Lower Upper
 202 100
 101 12.7 10.5 15.7
 203 20.3 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000908.D
 Acq: 08 Apr 2015 14:27

Tgt Ion:240 Resp: 93720
 Ion Ratio Lower Upper
 240 100
 120 14.0 14.9 22.3#
 236 29.0 24.2 36.4

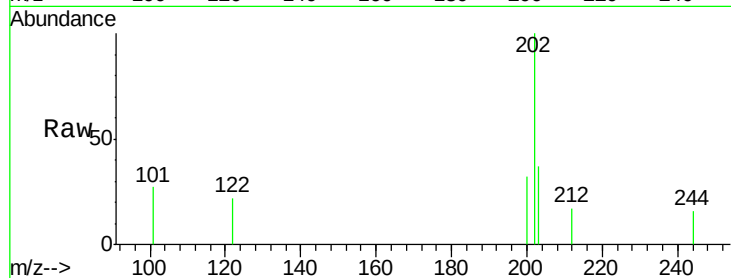




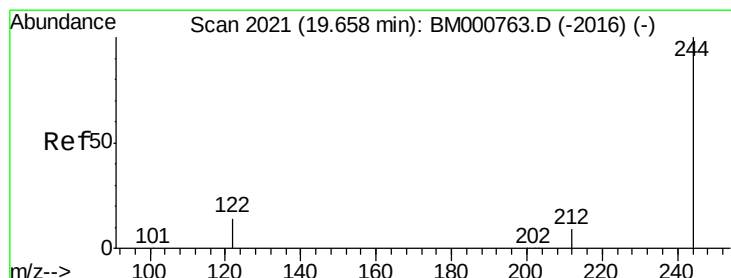
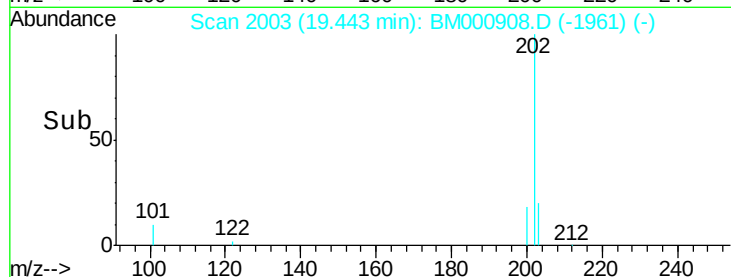
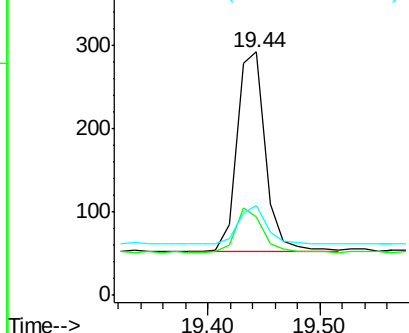
#20
Pyrene
Concen: 0.01 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Instrument :
BNA_M
ClientSampleId :
MW-3

Tgt Ion:202 Resp: 427
Ion Ratio Lower Upper
202 100
200 21.5 16.2 24.2
203 19.9 13.9 20.9

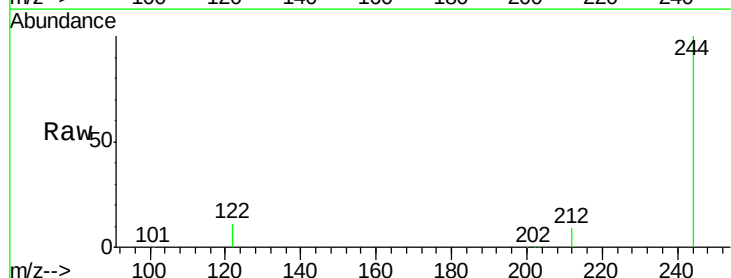


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

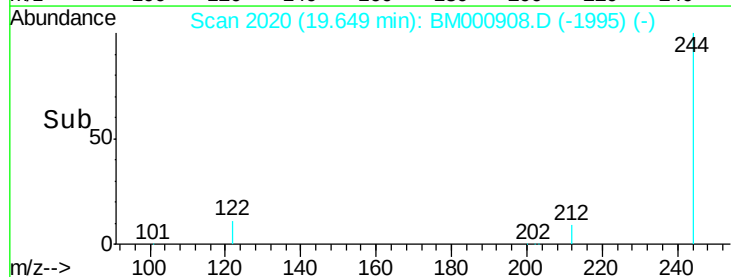
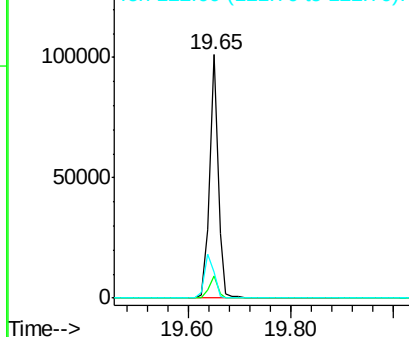


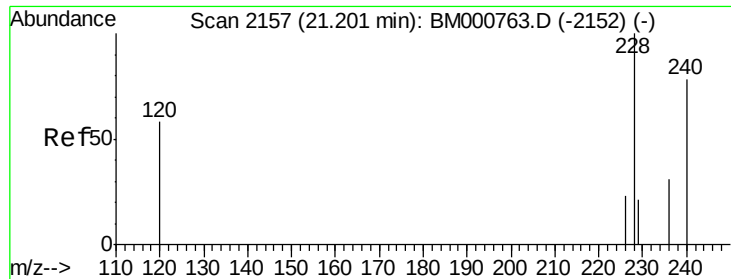
#21
Terphenyl-d14
Concen: 10.46 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Tgt Ion:244 Resp: 117929
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 10.7 11.8 17.8#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

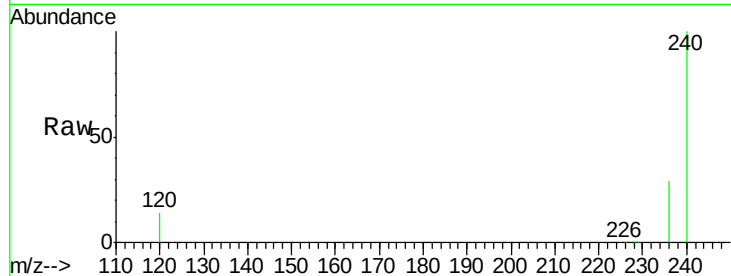
Tgt Ion:228 Resp: 556

Ion Ratio Lower Upper

228 100

226 27.2 18.6 27.8

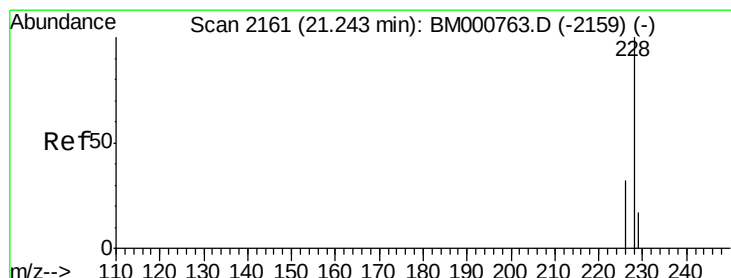
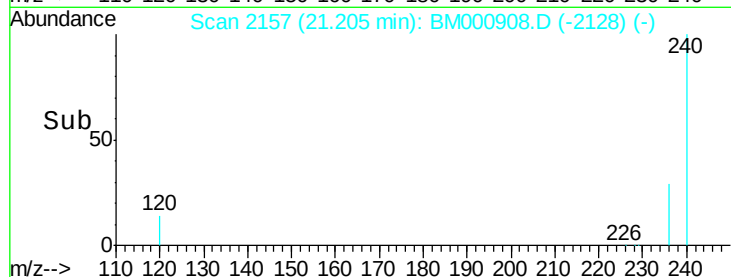
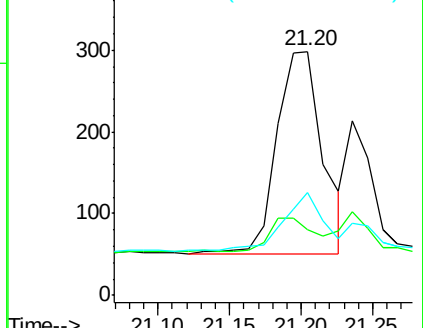
229 41.9 17.2 25.8#



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



#23

Chrysene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

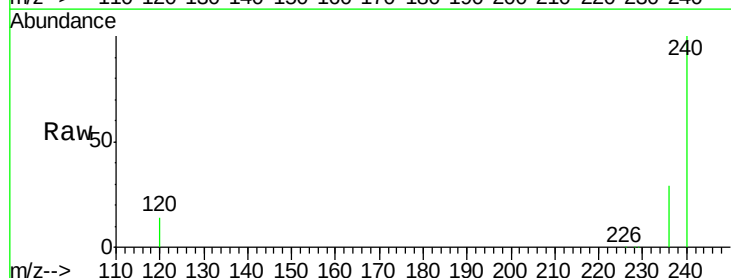
Tgt Ion:228 Resp: 556

Ion Ratio Lower Upper

228 100

226 27.2 25.8 38.8

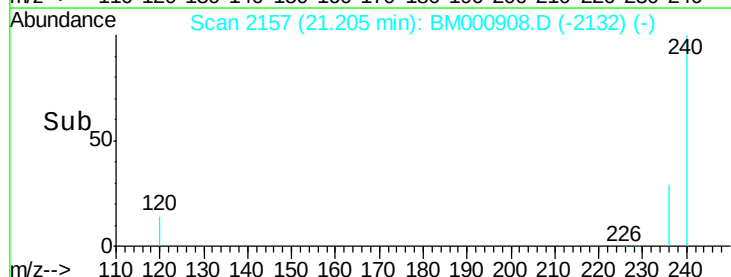
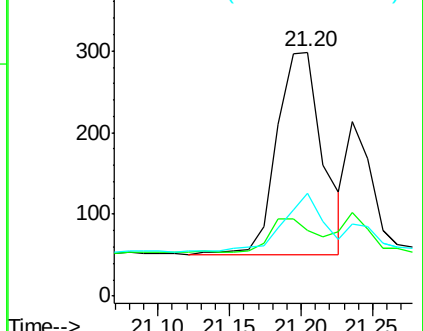
229 41.9 13.8 20.6#

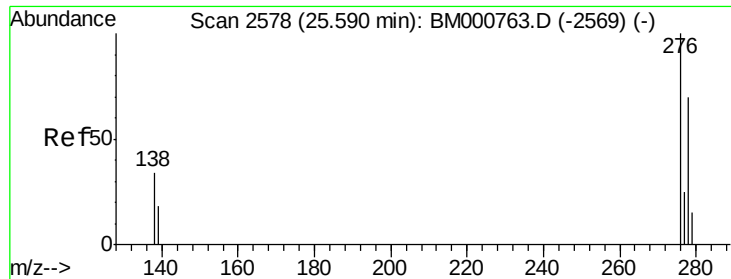


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 25.57 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

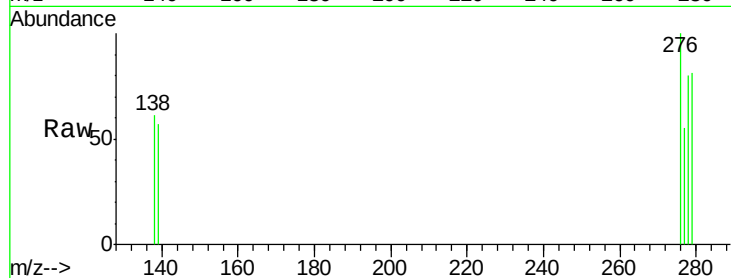
Tgt Ion:276 Resp: 351

Ion Ratio Lower Upper

276 100

138 34.2 27.4 41.2

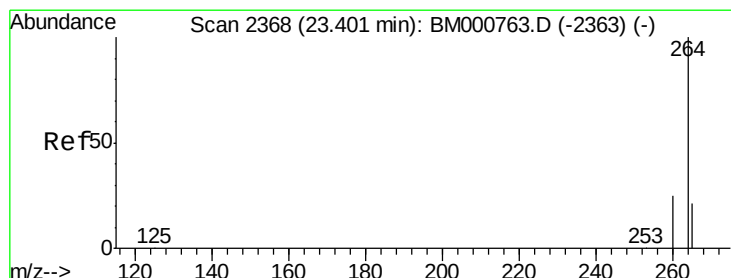
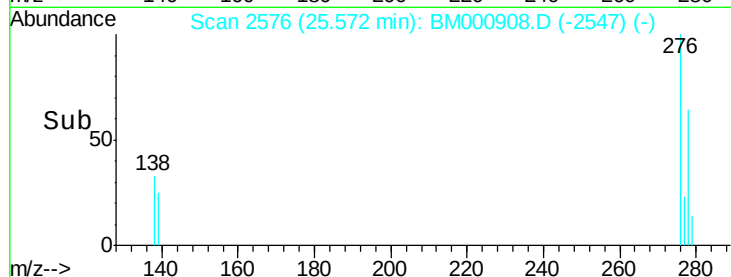
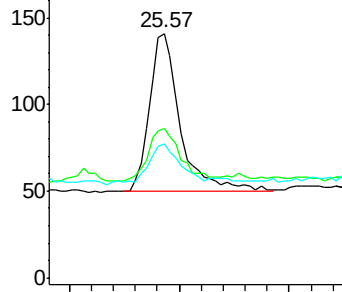
277 23.4 19.7 29.5



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



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.38 min Scan# 2366

Delta R.T. -0.01 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

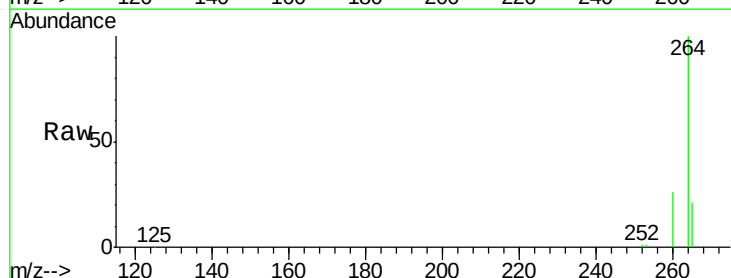
Tgt Ion:264 Resp: 84581

Ion Ratio Lower Upper

264 100

260 26.0 20.1 30.1

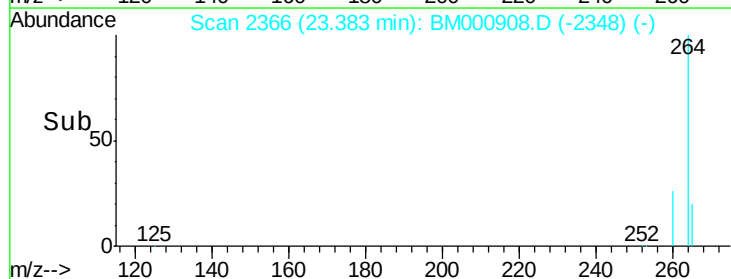
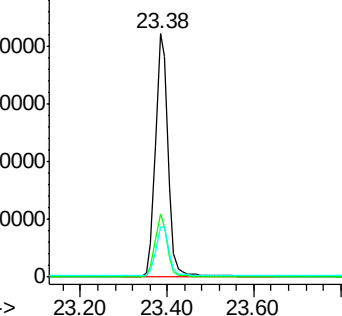
265 20.7 17.4 26.0

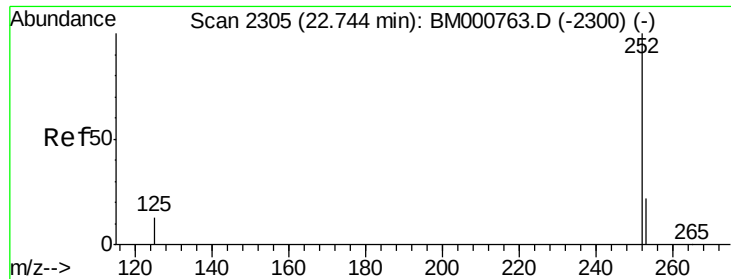


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

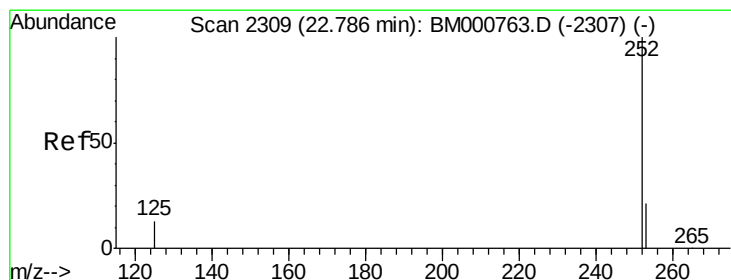
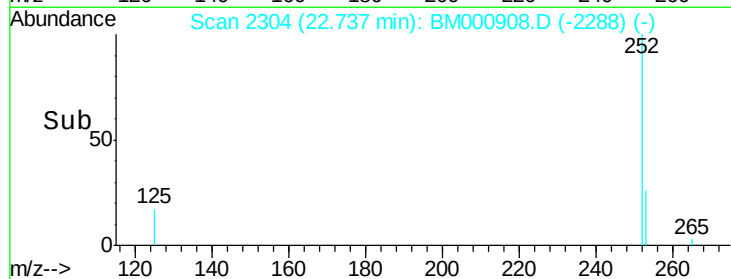
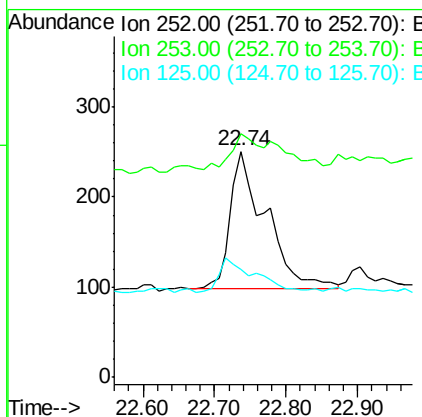
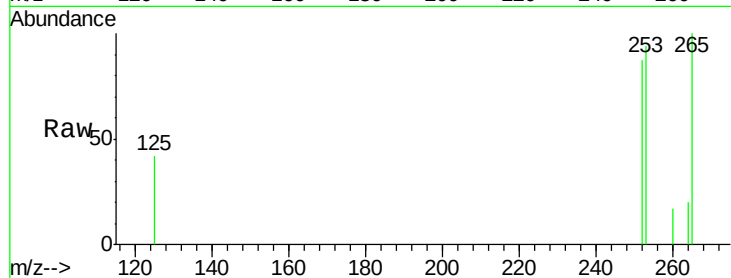




#26
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.74 min Scan# 2304
Delta R.T. 0.00 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

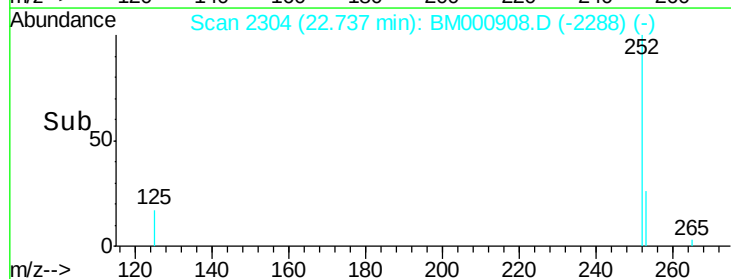
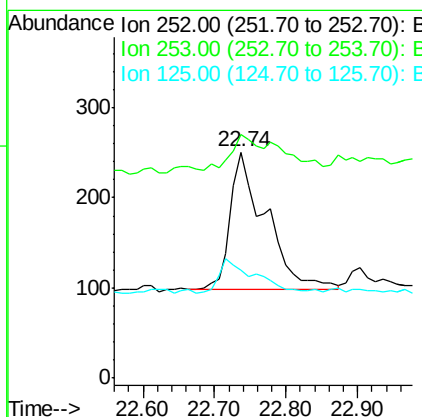
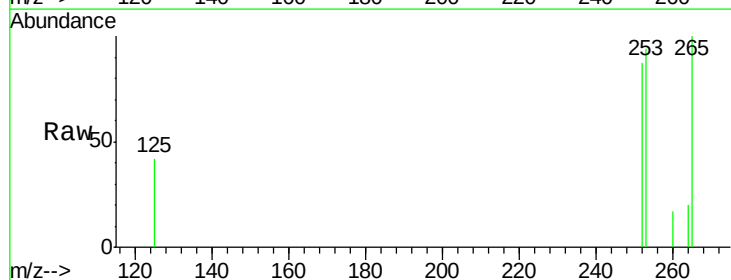
Instrument :
BNA_M
ClientSampleId :
MW-3

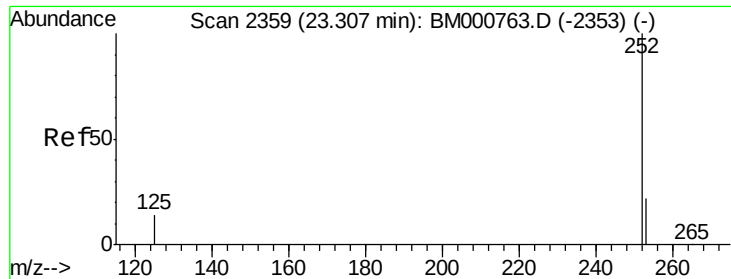
Tgt Ion:252 Resp: 534
Ion Ratio Lower Upper
252 100
253 107.6 18.5 27.7#
125 47.8 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.74 min Scan# 2304
Delta R.T. -0.04 min
Lab File: BM000908.D
Acq: 08 Apr 2015 14:27

Tgt Ion:252 Resp: 534
Ion Ratio Lower Upper
252 100
253 107.6 17.9 26.9#
125 47.8 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3

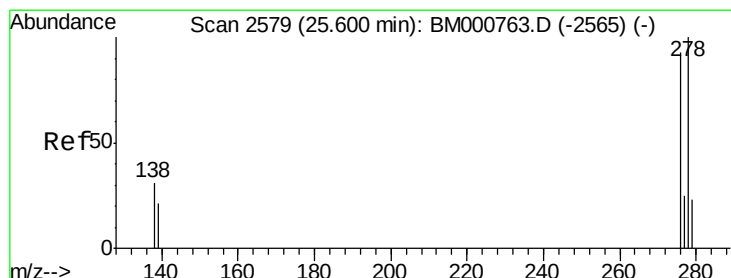
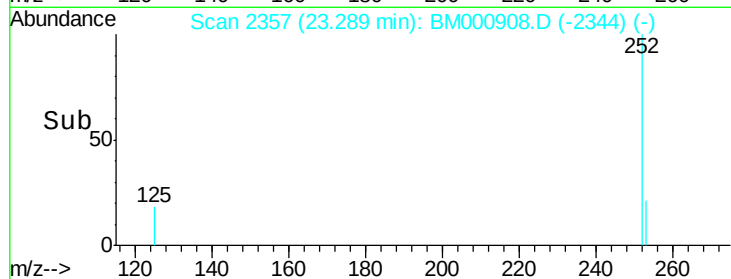
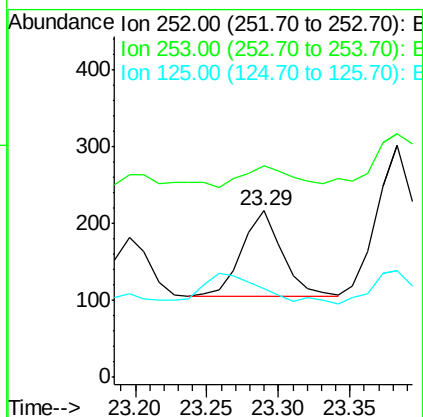
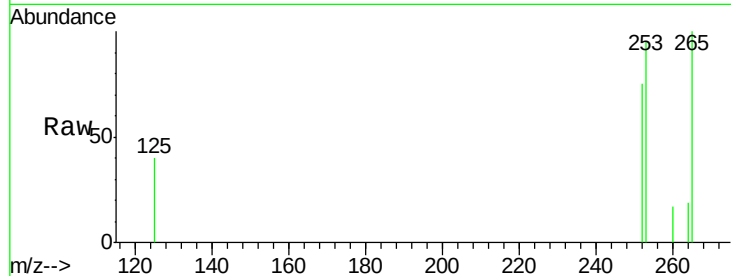
Tgt Ion: 252 Resp: 221

Ion Ratio Lower Upper

252 100

253 126.7 19.4 29.2#

125 53.5 11.5 17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM000908.D

Acq: 08 Apr 2015 14:27

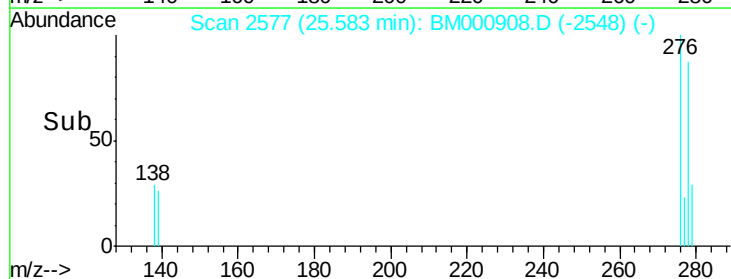
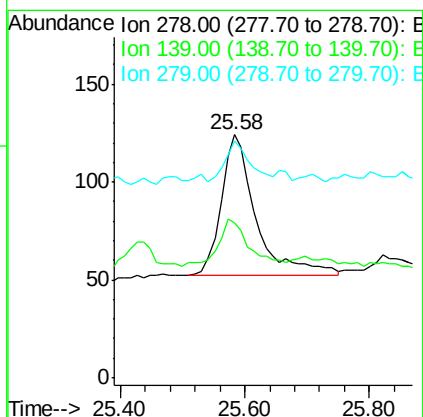
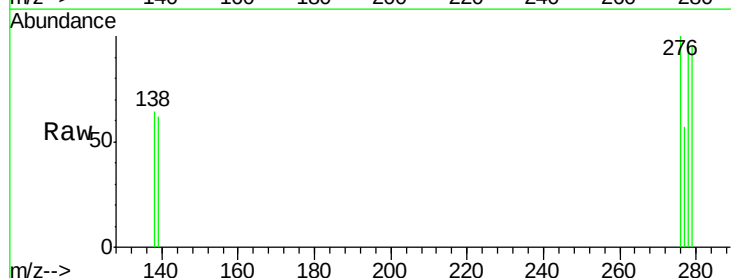
Tgt Ion: 278 Resp: 282

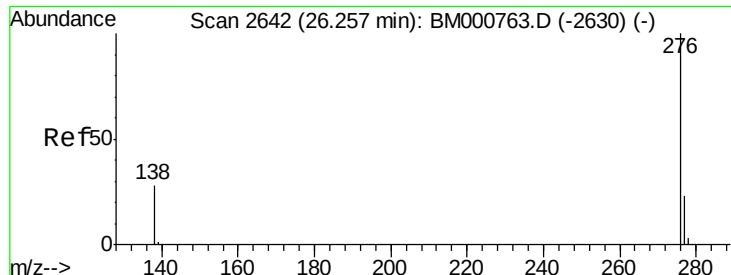
Ion Ratio Lower Upper

278 100

139 63.7 17.8 26.6#

279 97.6 19.3 28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.23 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BM000908.D

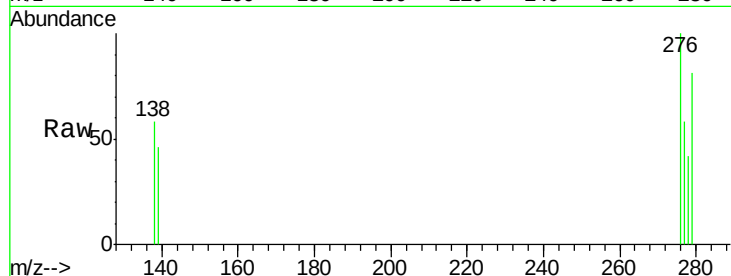
Acq: 08 Apr 2015 14:27

Instrument :

BNA_M

ClientSampleId :

MW-3



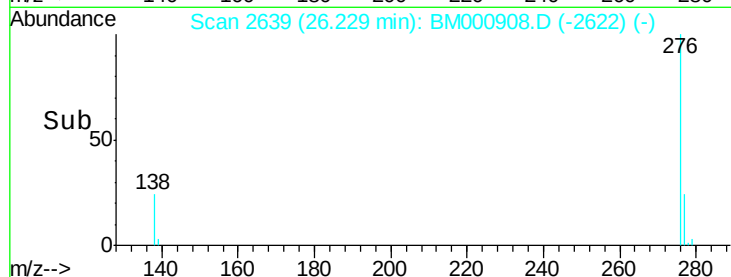
Tgt Ion: 276 Resp: 291

Ion Ratio Lower Upper

276 100

277 58.1 19.1 28.7#

138 58.1 23.1 34.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

