

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000909.D
 Acq On : 08 Apr 2015 15:03
 Operator : TP/IZ
 Sample : G1742-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4

Quant Time: Apr 09 03:46:15 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	28614	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	98781	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	50303	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	106331	5.00	ng	0.00
19) Chrysene-d12	21.20	240	91559	5.00	ng	0.00
25) Perylene-d12	23.38	264	83547	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	44625	7.37	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	139374	8.93	ng	0.00
21) Terphenyl-d14	19.65	244	121606	11.04	ng	0.00

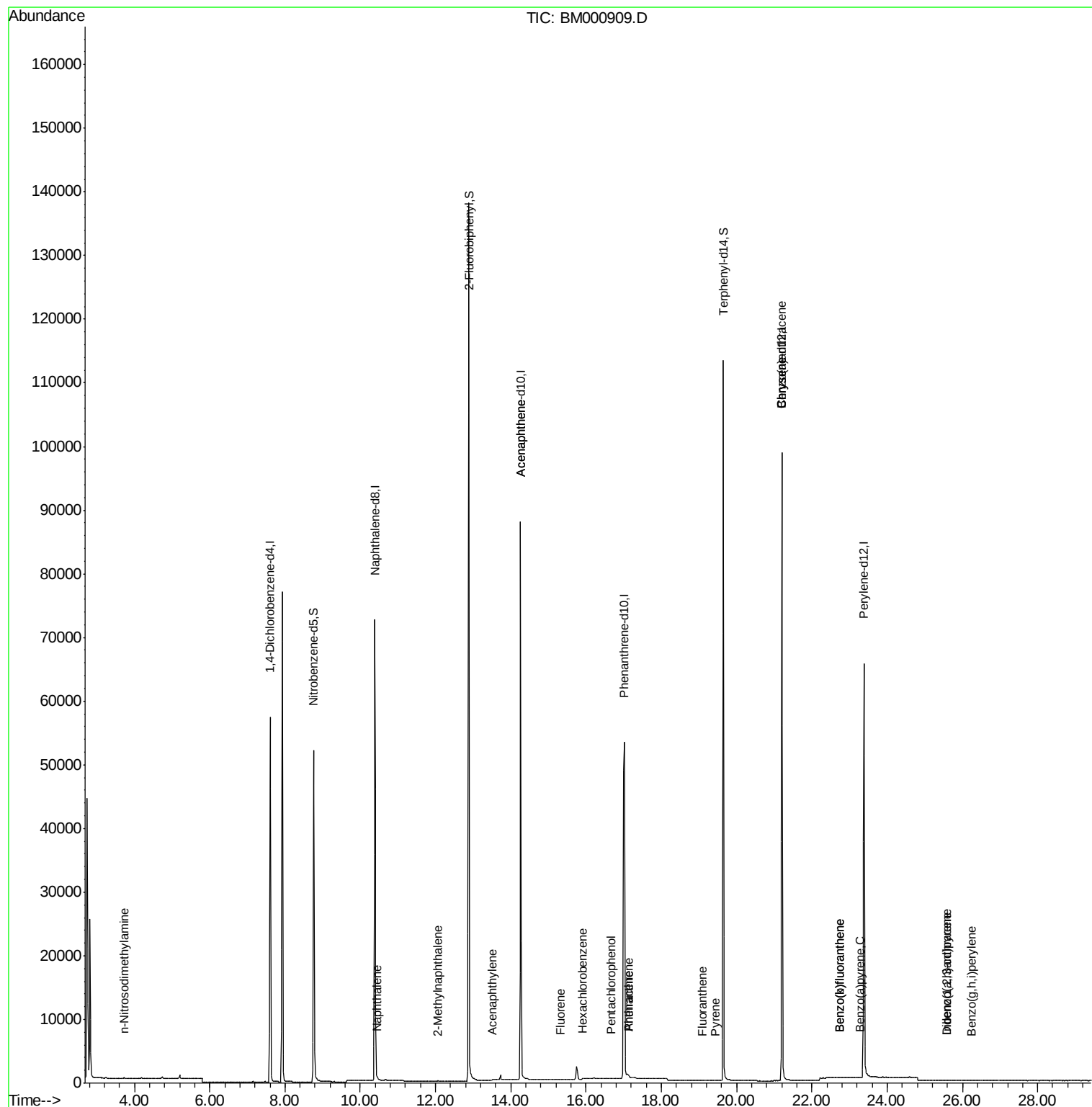
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.72	42	39	0.17	ng	# 57
6) Naphthalene	10.44	128	99	0.00	ng	# 1
7) 2-Methylnaphthalene	12.07	142	32	0.00	ng	# 30
10) Acenaphthylene	13.51	152	136	0.01	ng	# 1
11) Acenaphthene	14.26	154	220	0.01	ng	# 13
12) Fluorene	15.32	166	28	0.00	ng	# 1
14) Hexachlorobenzene	15.90	284	193	0.03	ng	# 1
15) Pentachlorophenol	16.66	266	17	0.37	ng	# 67
16) Phenanthrene	17.13	178	121	0.00	ng	97
17) Anthracene	17.13	178	116	0.00	ng	96
18) Fluoranthene	19.08	202	121	0.00	ng	# 79
20) Pyrene	19.44	202	108	0.00	ng	# 91
22) Benzo(a)anthracene	21.20	228	466	0.02	ng	# 74
23) Chrysene	21.20	228	466	0.02	ng	# 72
24) Indeno(1,2,3-cd)pyrene	25.57	276	185	0.01	ng	94
26) Benzo(b)fluoranthene	22.74	252	118	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.74	252	118	0.00	ng	# 1
28) Benzo(a)pyrene	23.29	252	79	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	175	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.24	276	104	0.00	ng	# 1

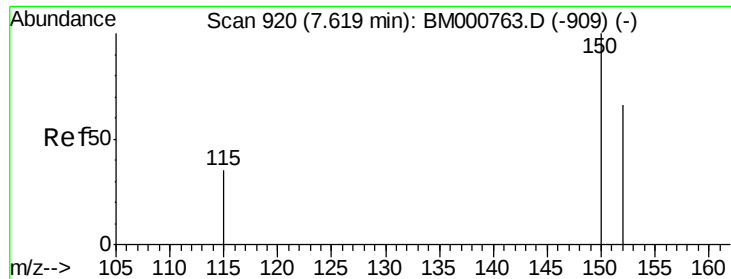
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:46:15 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 918

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

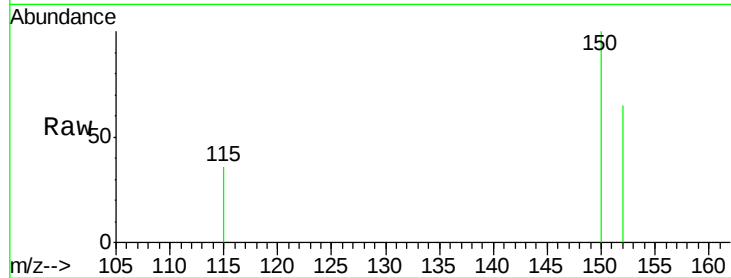
Tgt Ion:152 Resp: 28614

Ion Ratio Lower Upper

152 100

150 152.9 120.8 181.2

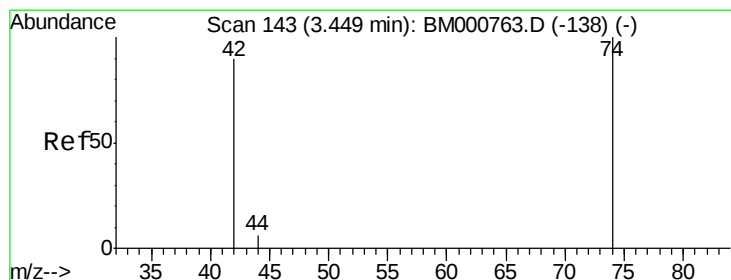
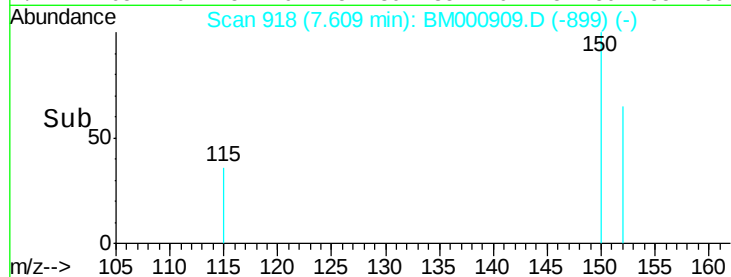
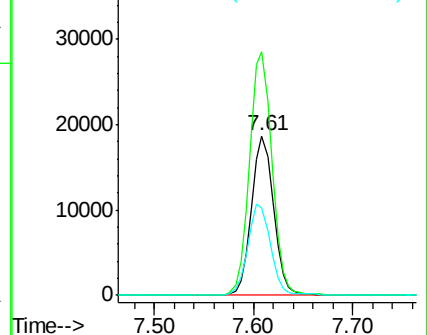
115 55.2 42.7 64.1



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: 0.17 ng

RT: 3.72 min Scan# 194

Delta R.T. 0.28 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

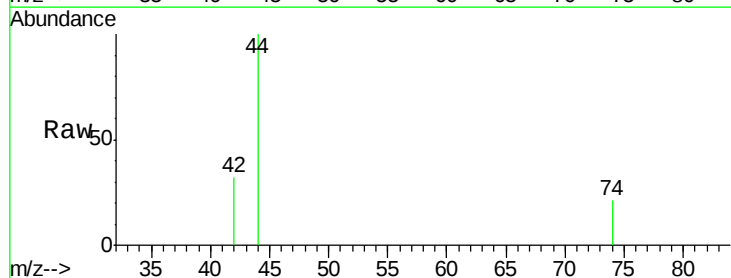
Tgt Ion: 42 Resp: 39

Ion Ratio Lower Upper

42 100

74 87.2 93.6 140.4#

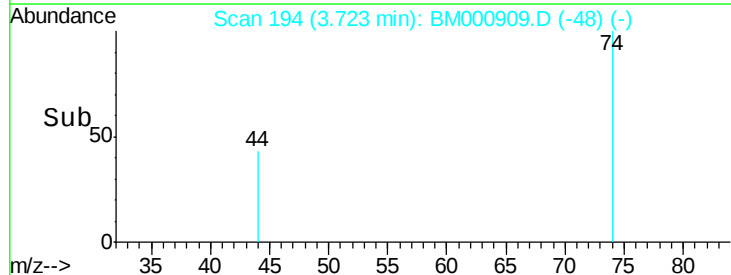
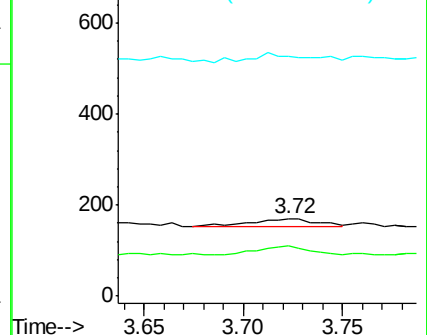
44 102.6 6.3 9.5#

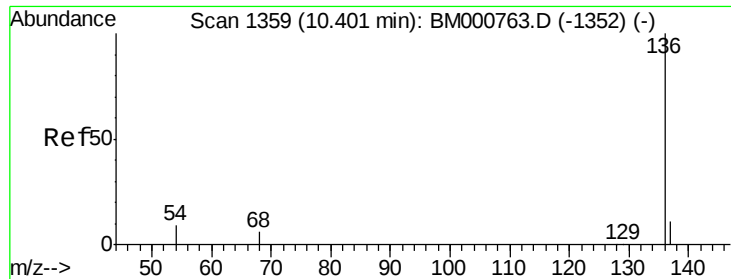


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

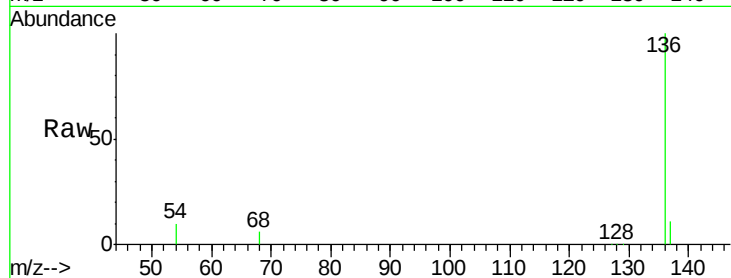
Tgt Ion: 136 Resp: 98781

Ion Ratio Lower Upper

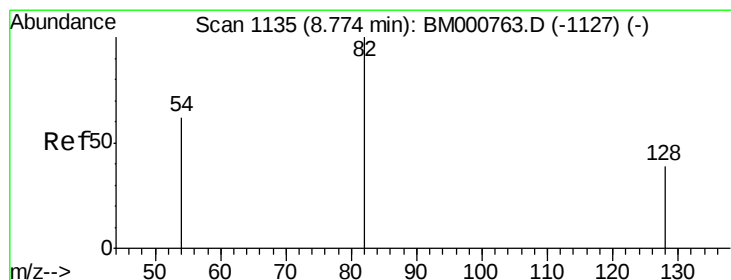
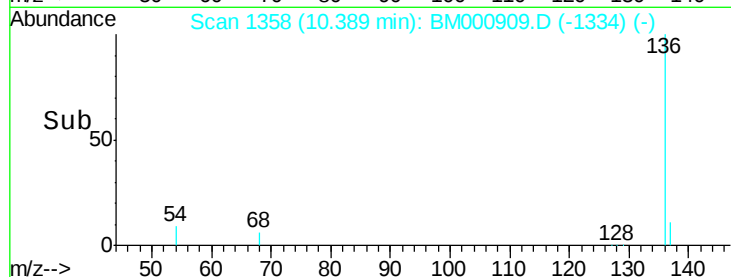
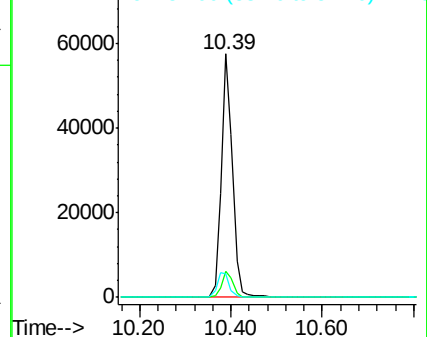
136 100

137 10.7 8.6 12.8

54 9.5 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: 7.37 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

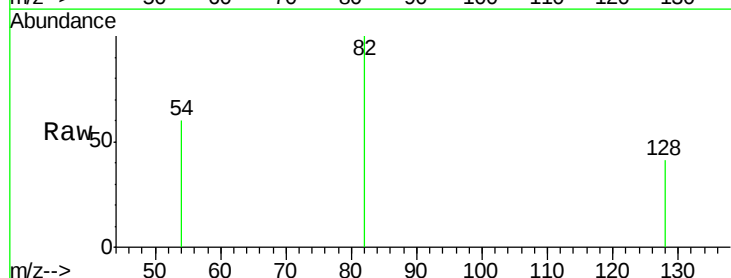
Tgt Ion: 82 Resp: 44625

Ion Ratio Lower Upper

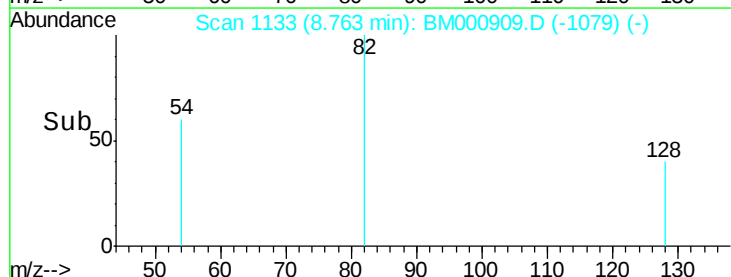
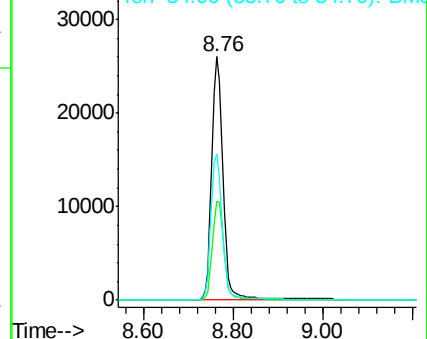
82 100

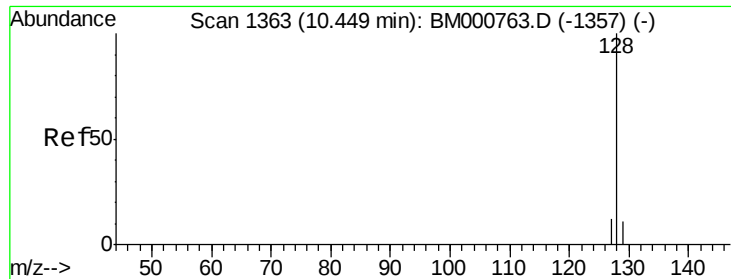
128 40.5 32.2 48.2

54 60.3 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: 0.00 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampled :

MW-4

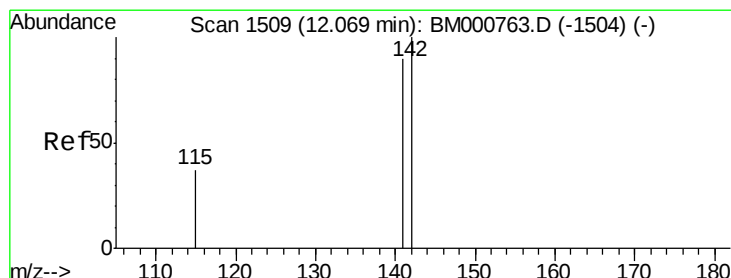
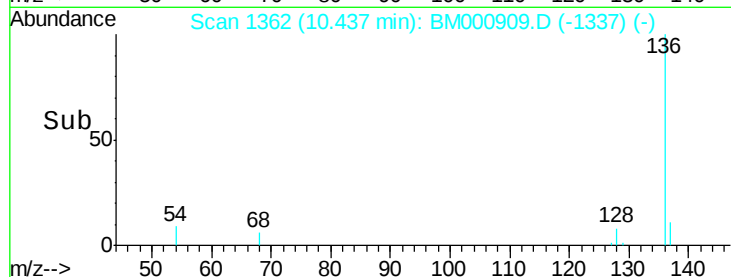
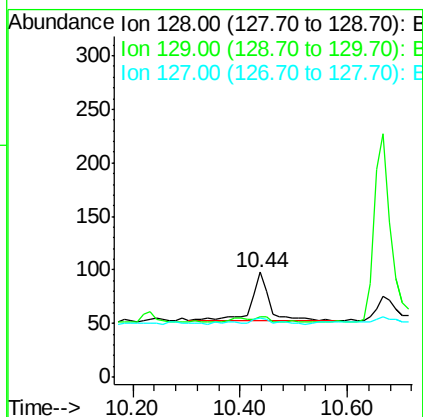
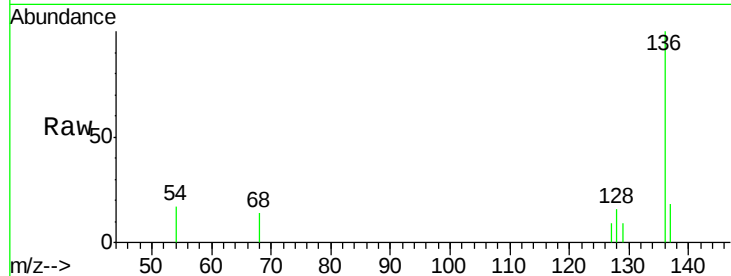
Tgt Ion:128 Resp: 99

Ion Ratio Lower Upper

128 100

129 57.1 8.9 13.3#

127 56.1 10.0 15.0#



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

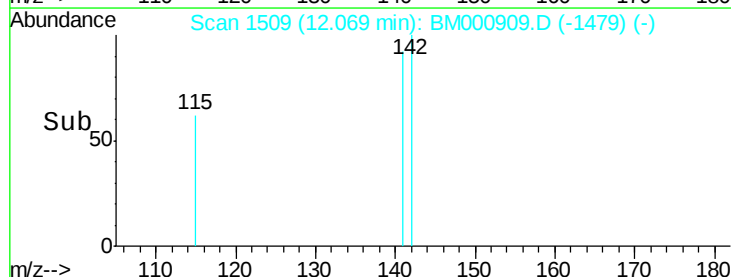
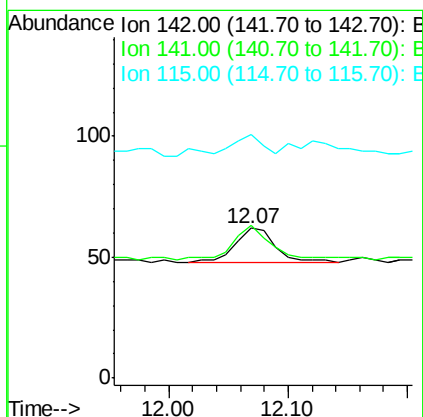
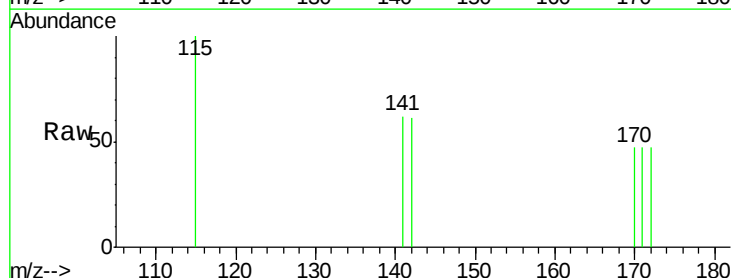
Tgt Ion:142 Resp: 32

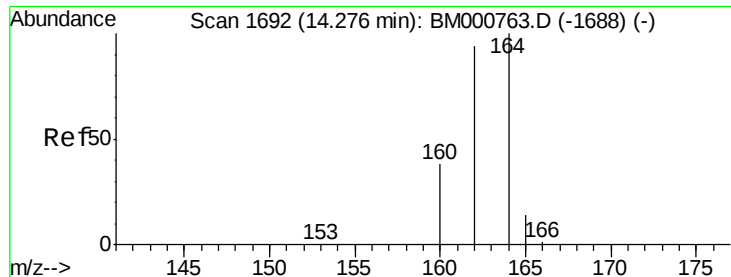
Ion Ratio Lower Upper

142 100

141 101.6 72.3 108.5

115 162.9 29.5 44.3#





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

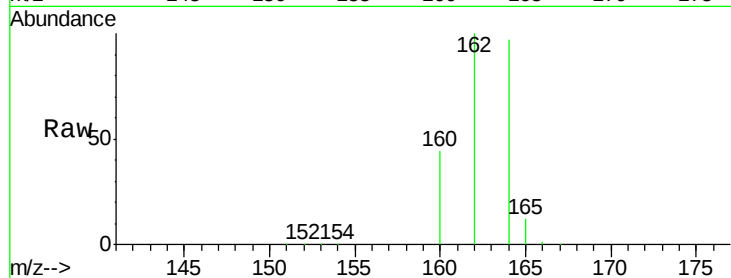
Tgt Ion:164 Resp: 50303

Ion Ratio Lower Upper

164 100

162 103.4 75.4 113.2

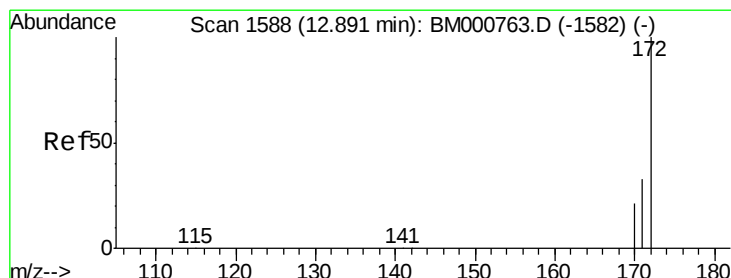
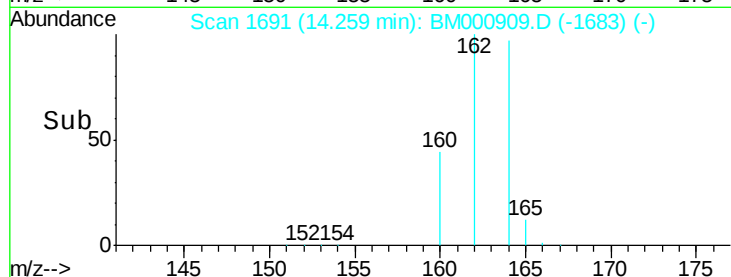
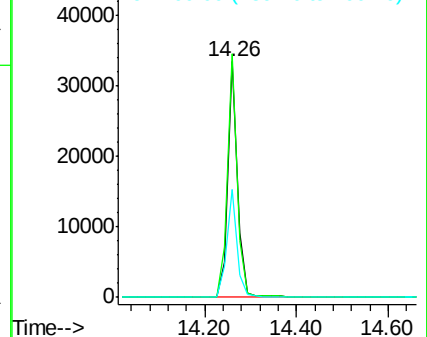
160 45.8 30.8 46.2



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: 8.93 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

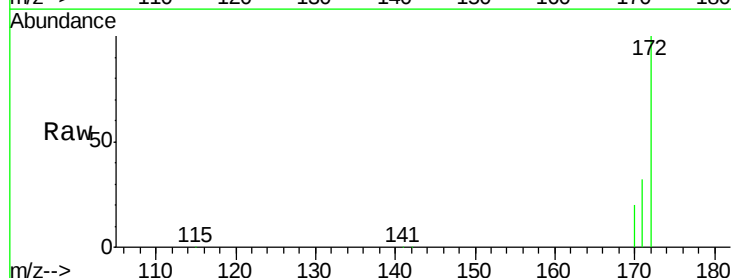
Tgt Ion:172 Resp: 139374

Ion Ratio Lower Upper

172 100

171 32.0 26.6 39.8

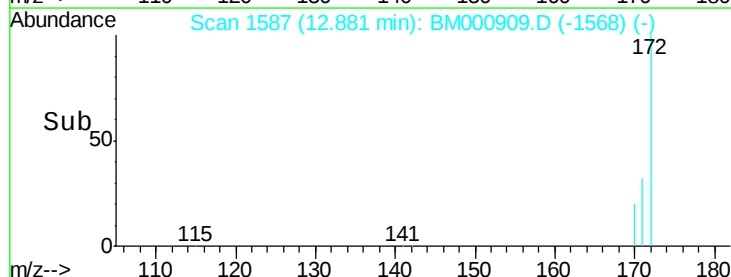
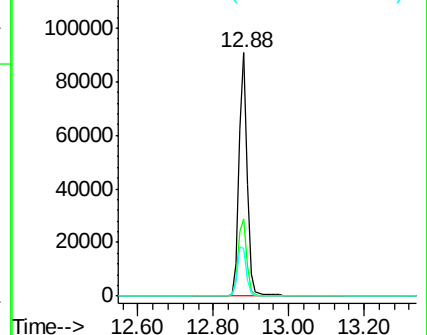
170 19.7 17.1 25.7

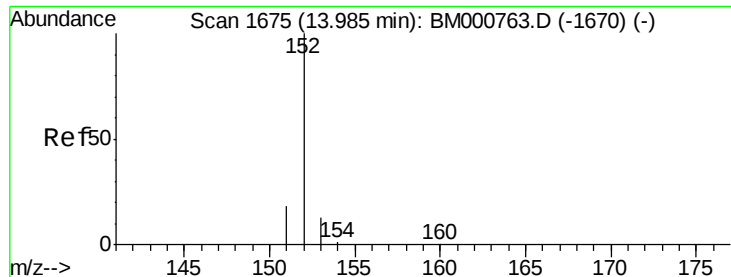


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.51 min Scan# 1647

Delta R.T. -0.46 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

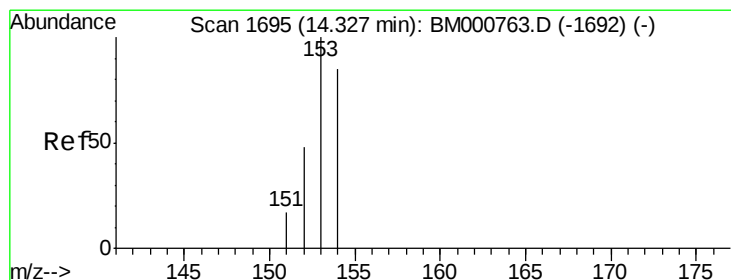
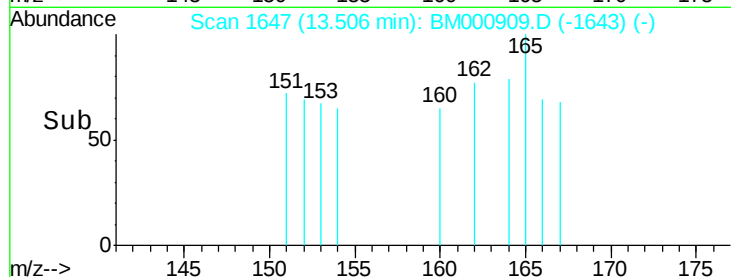
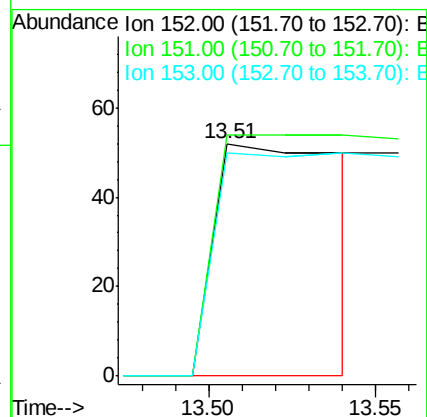
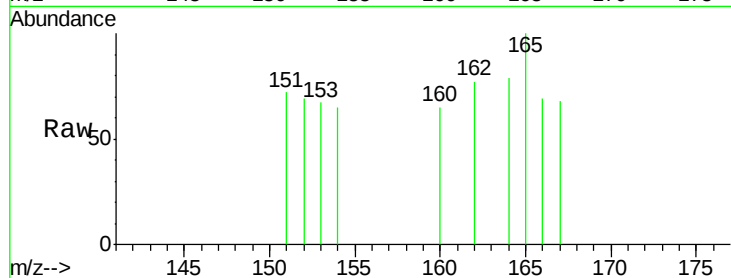
Tgt Ion:152 Resp: 136

Ion Ratio Lower Upper

152 100

151 146.3 15.1 22.7#

153 134.6 10.2 15.4#



#11

Acenaphthene

Concen: 0.01 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

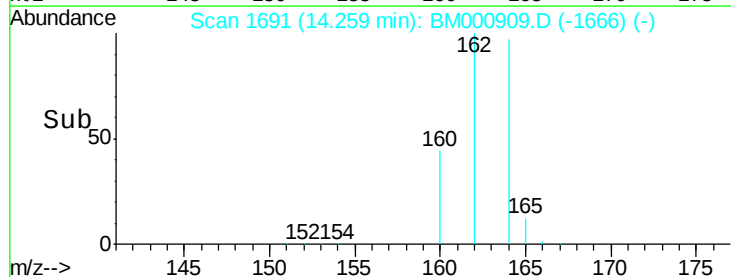
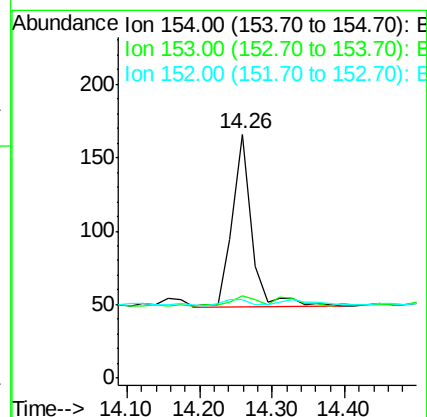
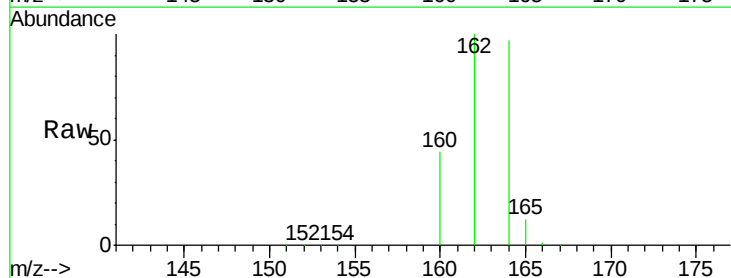
Tgt Ion:154 Resp: 220

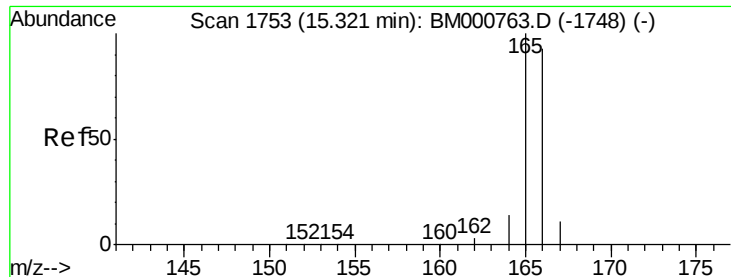
Ion Ratio Lower Upper

154 100

153 8.2 87.3 130.9#

152 5.0 43.0 64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

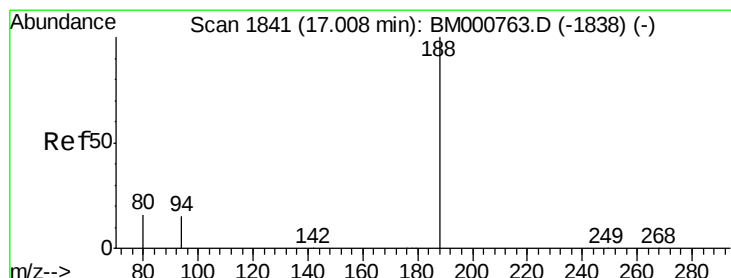
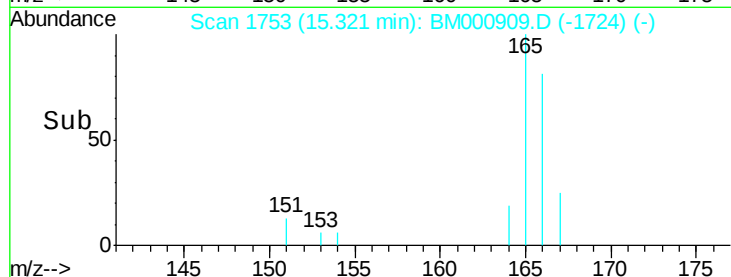
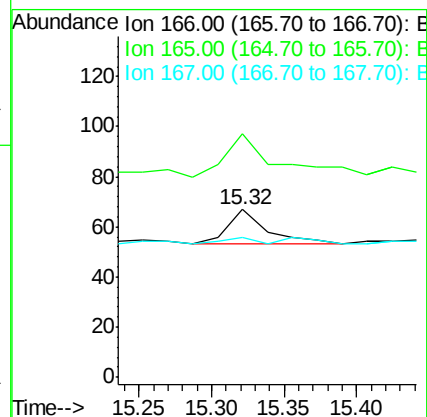
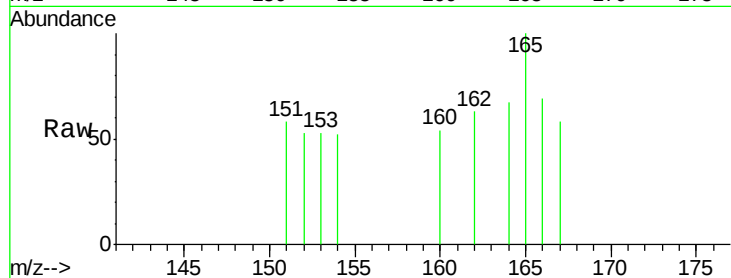
Tgt Ion:166 Resp: 28

Ion Ratio Lower Upper

166 100

165 217.9 78.2 117.2#

167 107.1 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: BM000909.D

Acq: 08 Apr 2015 15:03

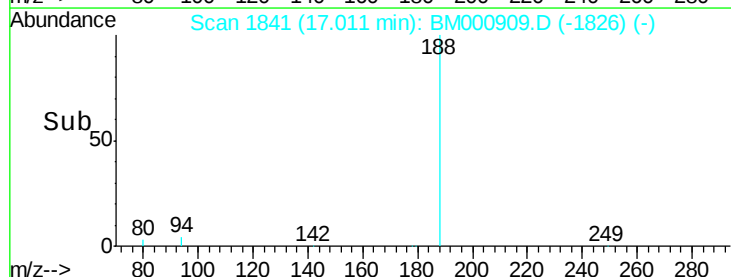
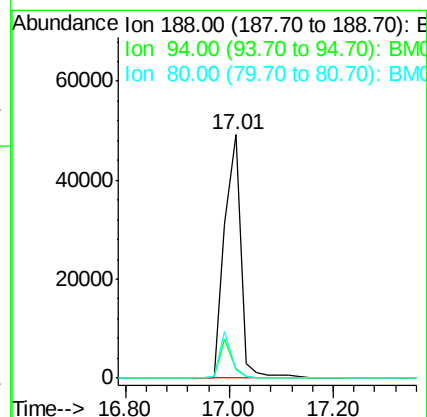
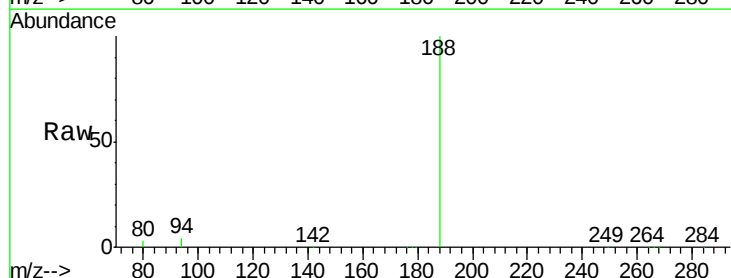
Tgt Ion:188 Resp: 106331

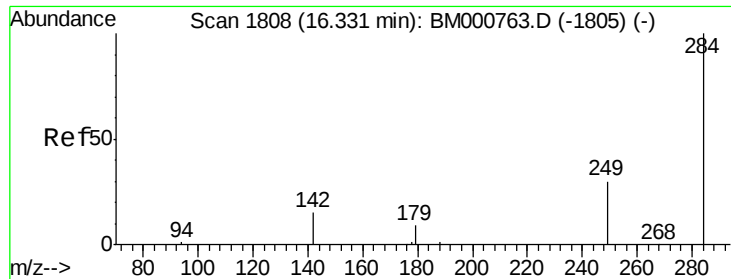
Ion Ratio Lower Upper

188 100

94 3.9 12.0 18.0#

80 3.5 12.8 19.2#

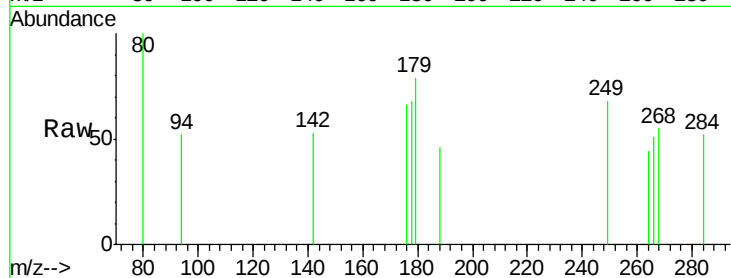




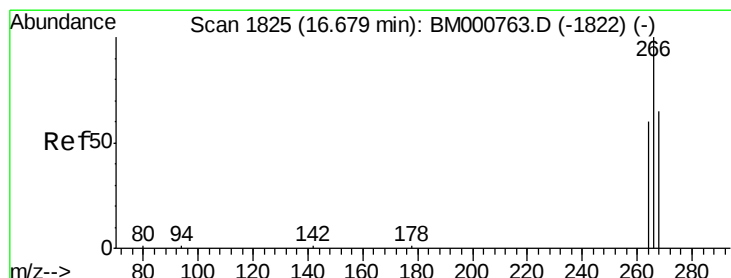
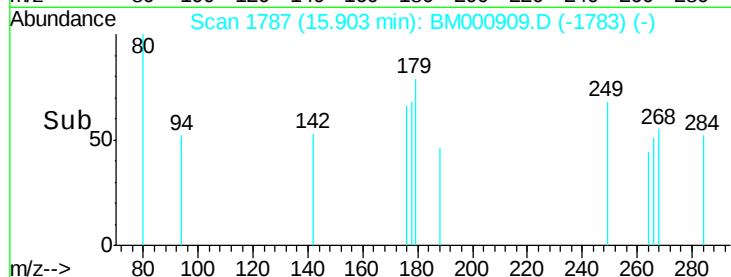
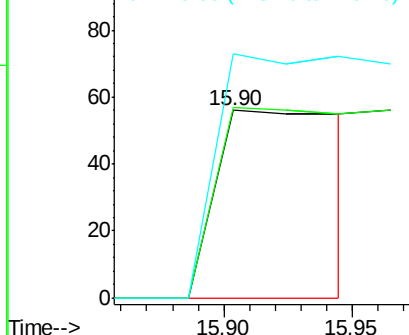
#14
Hexachlorobenzene
Concen: 0.03 ng
RT: 15.90 min Scan# 1787
Delta R.T. -0.43 min
Lab File: BM000909.D
Acq: 08 Apr 2015 15:03

Instrument :
BNA_M
ClientSampleId :
MW-4

Tgt Ion: 284 Resp: 193
Ion Ratio Lower Upper
284 100
142 341.5 0.0 0.0#
249 437.8 25.2 37.8#

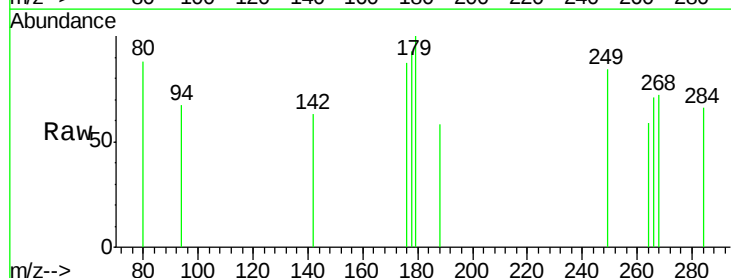


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

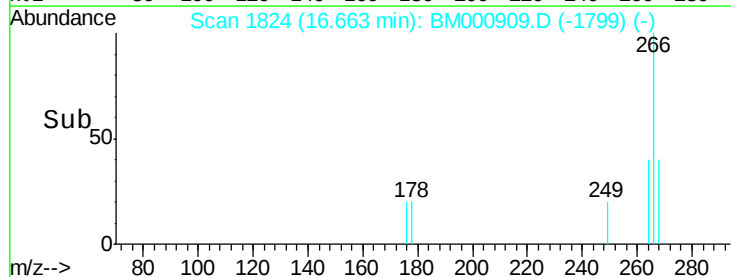
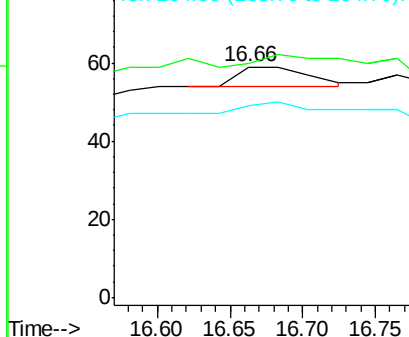


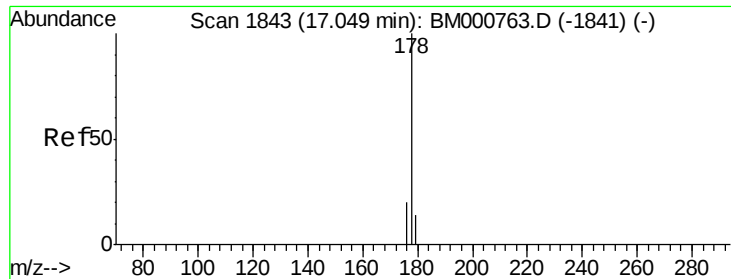
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.66 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BM000909.D
Acq: 08 Apr 2015 15:03

Tgt Ion: 266 Resp: 17
Ion Ratio Lower Upper
266 100
268 101.7 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: 0.00 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.09 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampled :

MW-4

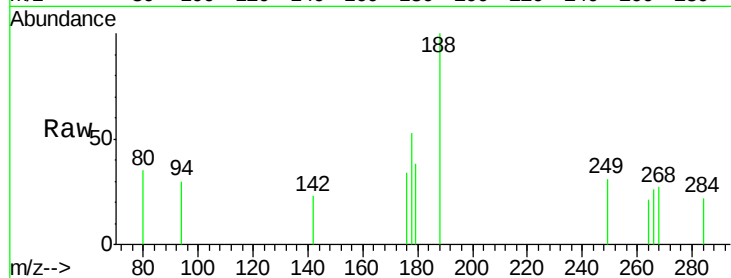
Tgt Ion:178 Resp: 121

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

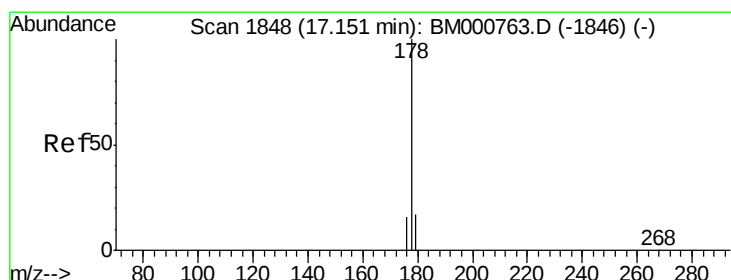
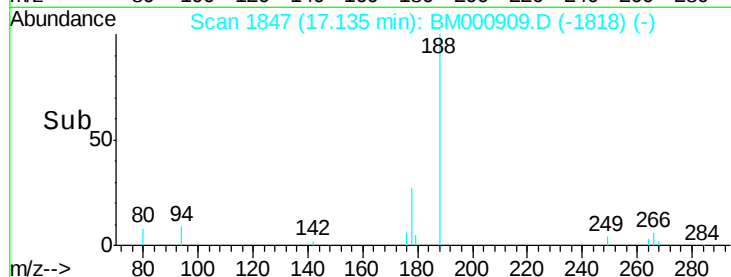
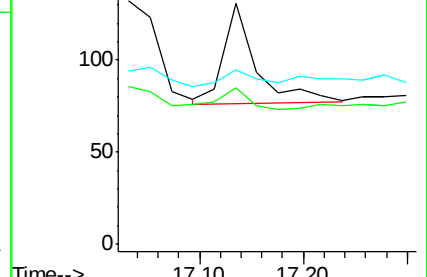
179 17.4 12.2 18.2



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: 0.00 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

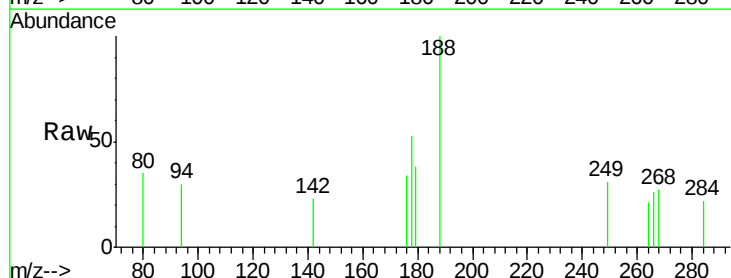
Tgt Ion:178 Resp: 116

Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

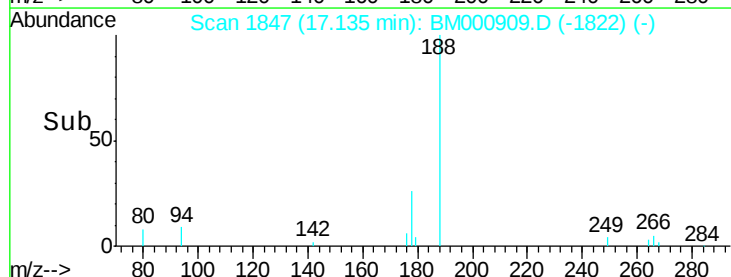
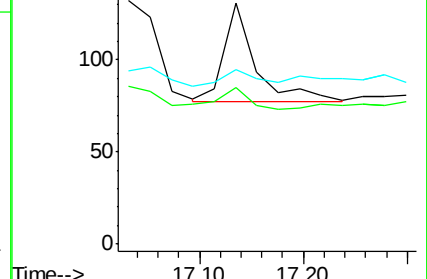
179 18.1 12.2 18.4

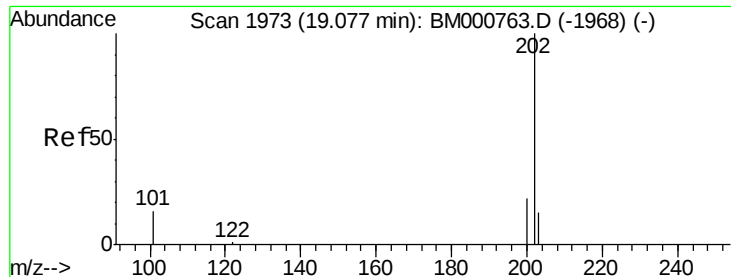


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

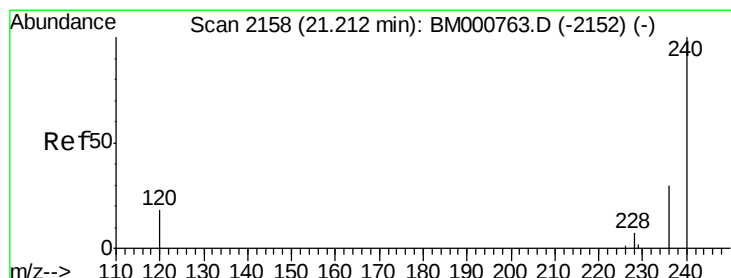
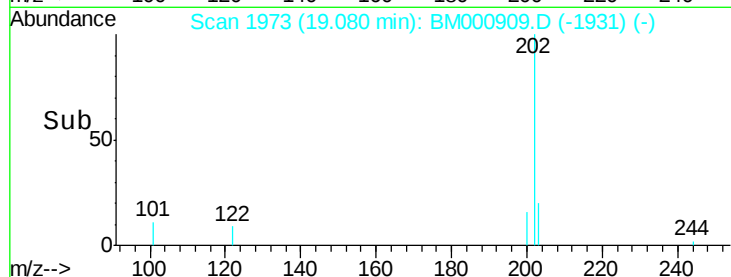
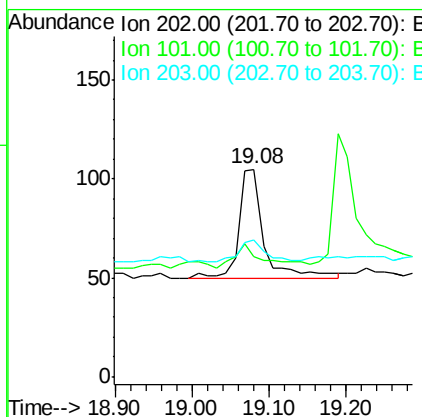
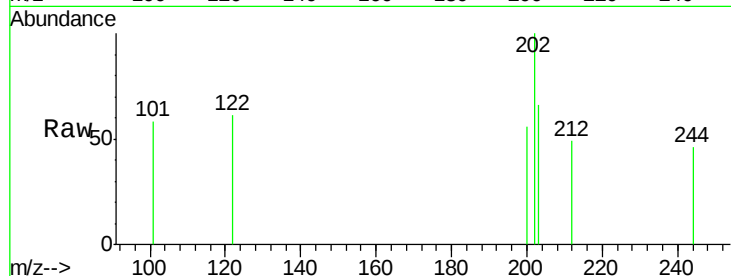




#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000909.D
 Acq: 08 Apr 2015 15:03

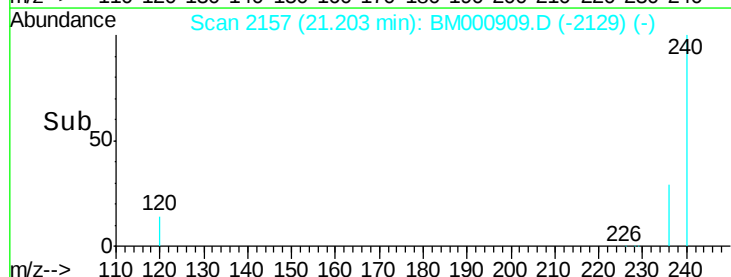
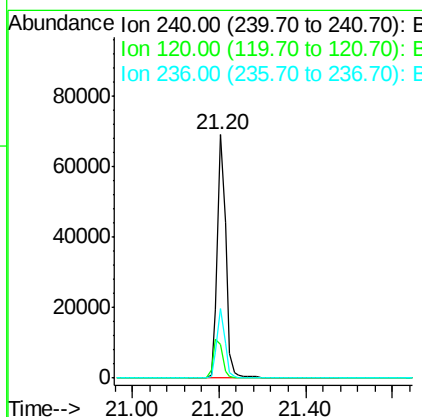
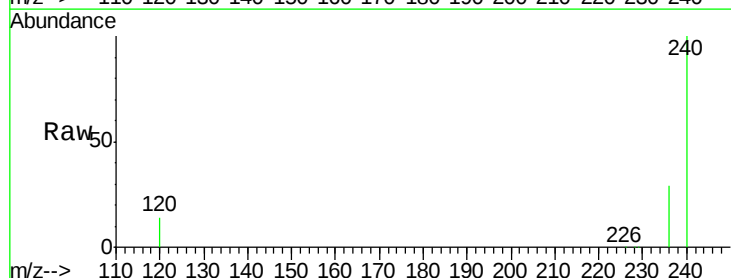
Instrument :
 BNA_M
 ClientSampleId :
 MW-4

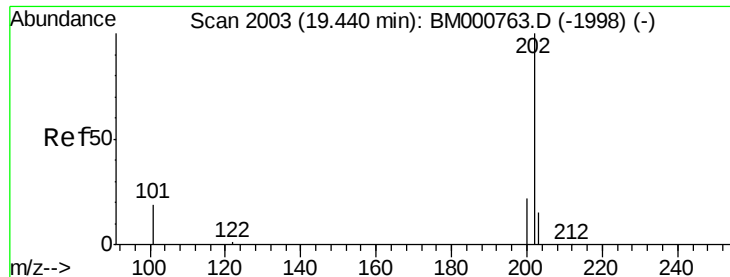
Tgt Ion: 202 Resp: 121
 Ion Ratio Lower Upper
 202 100
 101 27.3 10.5 15.7#
 203 21.5 13.8 20.8#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000909.D
 Acq: 08 Apr 2015 15:03

Tgt Ion: 240 Resp: 91559
 Ion Ratio Lower Upper
 240 100
 120 13.8 14.9 22.3#
 236 28.6 24.2 36.4

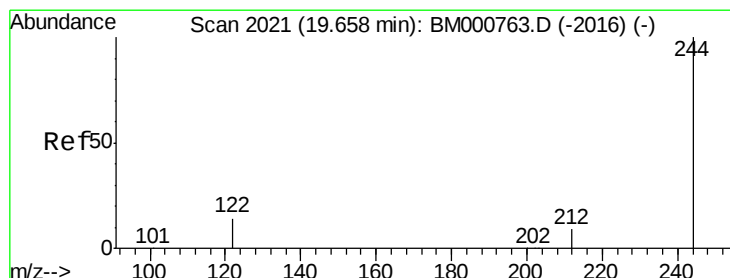
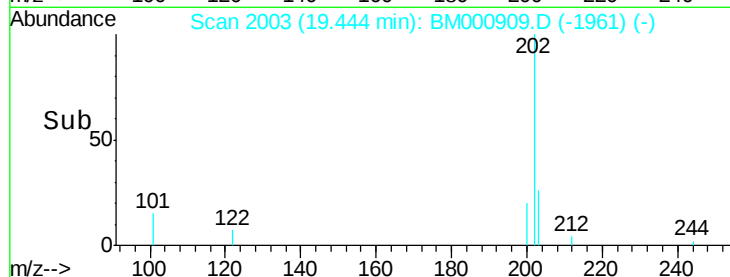
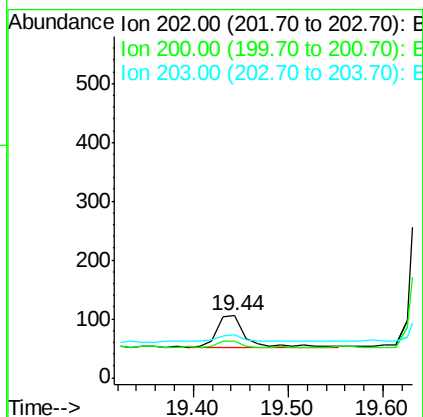
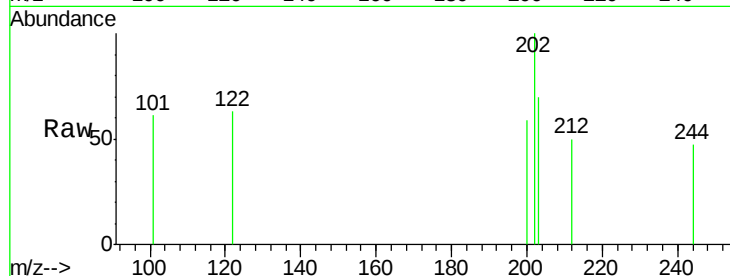




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000909.D
Acq: 08 Apr 2015 15:03

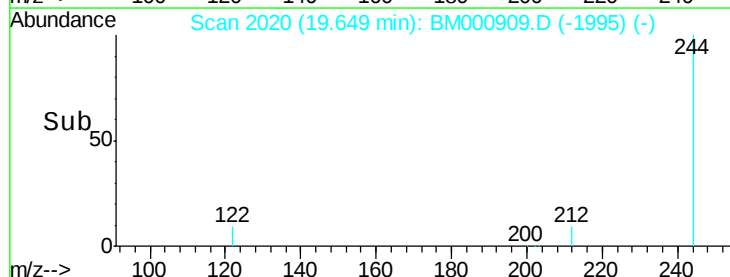
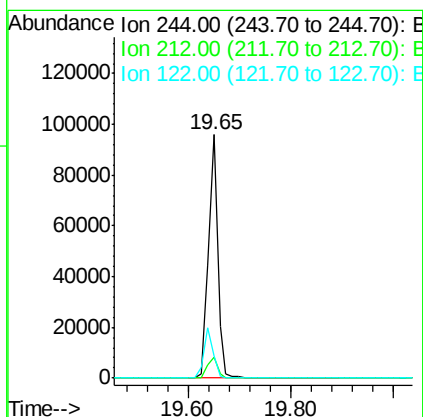
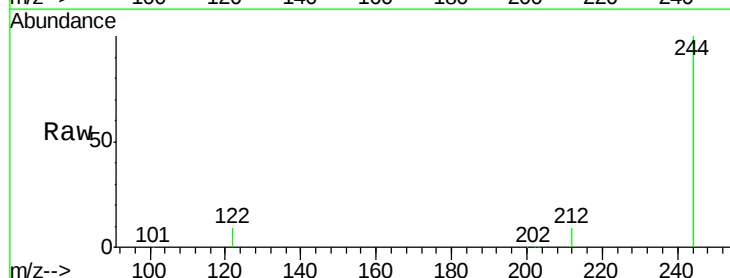
Instrument :
BNA_M
ClientSampled :
MW-4

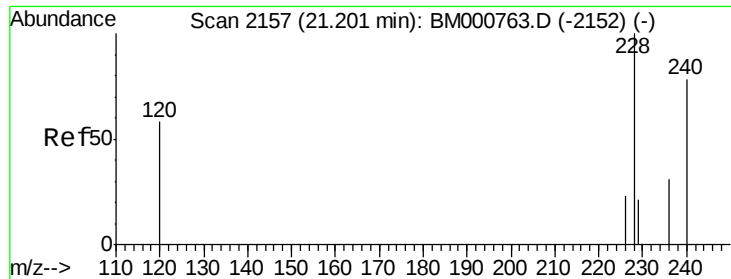
Tgt Ion: 202 Resp: 108
Ion Ratio Lower Upper
202 100
200 23.1 16.2 24.2
203 22.2 13.9 20.9#



#21
Terphenyl-d14
Concen: 11.04 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000909.D
Acq: 08 Apr 2015 15:03

Tgt Ion: 244 Resp: 121606
Ion Ratio Lower Upper
244 100
212 8.7 7.8 11.6
122 8.9 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

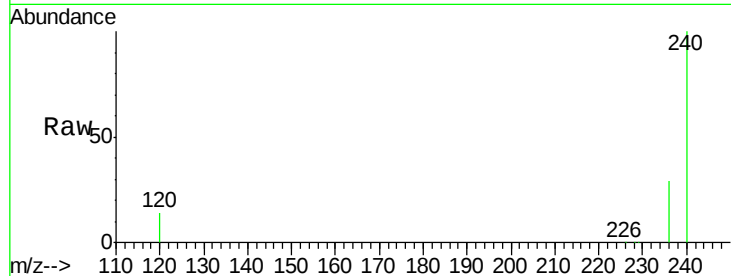
Tgt Ion:228 Resp: 466

Ion Ratio Lower Upper

228 100

226 26.5 18.6 27.8

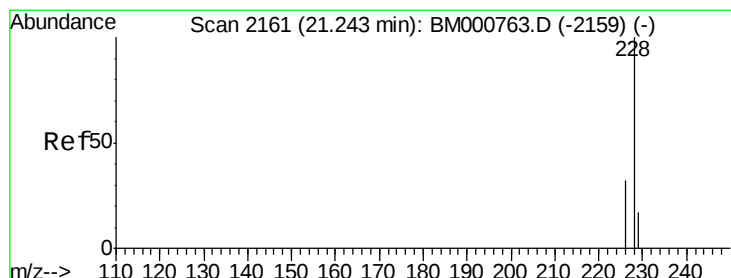
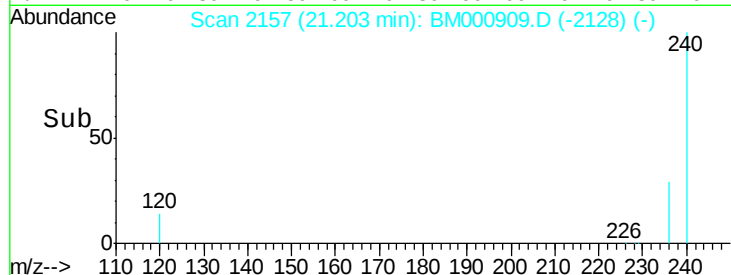
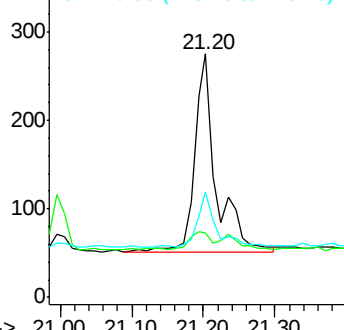
229 43.3 17.2 25.8#



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: BM000909.D

Acq: 08 Apr 2015 15:03

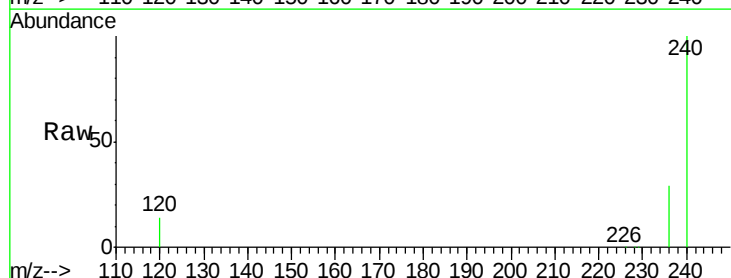
Tgt Ion:228 Resp: 466

Ion Ratio Lower Upper

228 100

226 26.5 25.8 38.8

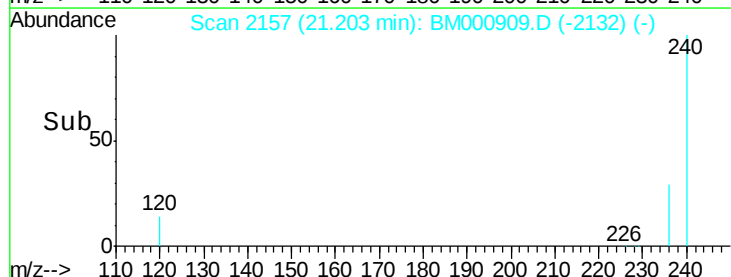
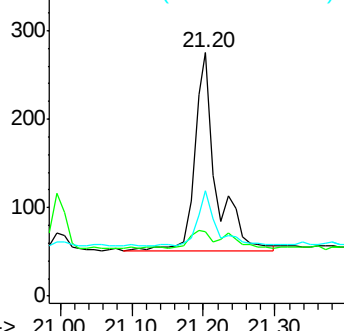
229 43.3 13.8 20.6#

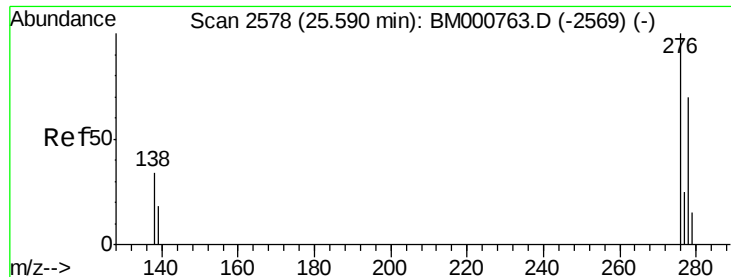


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

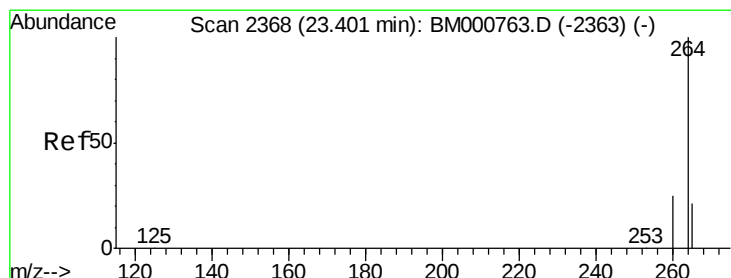
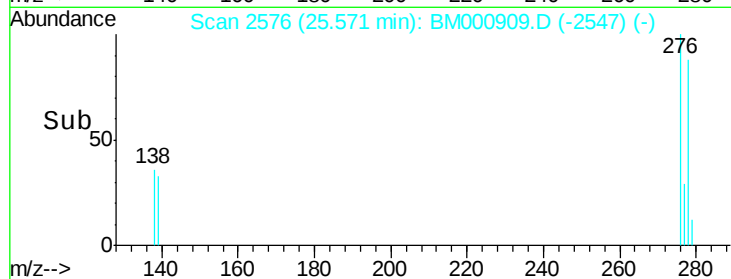
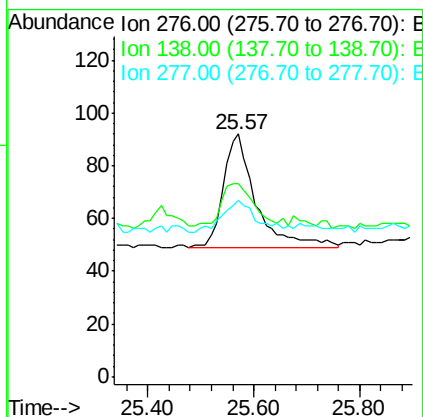
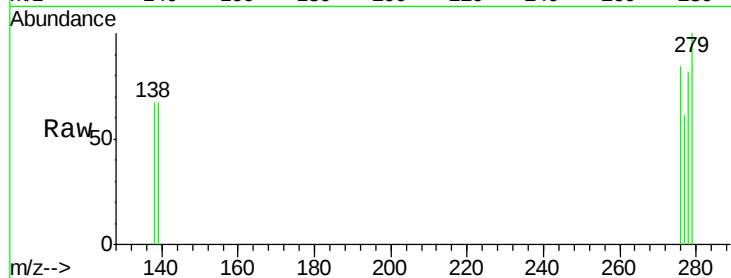




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 25.57 min Scan# 2576
 Delta R.T. 0.00 min
 Lab File: BM000909.D
 Acq: 08 Apr 2015 15:03

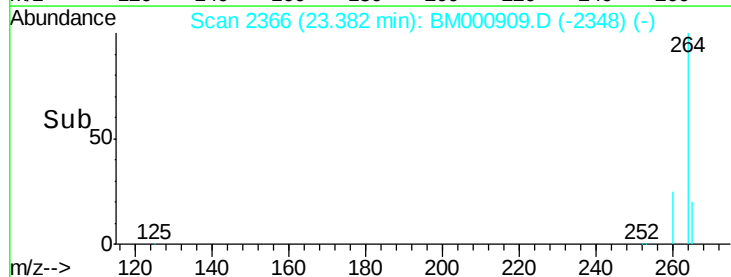
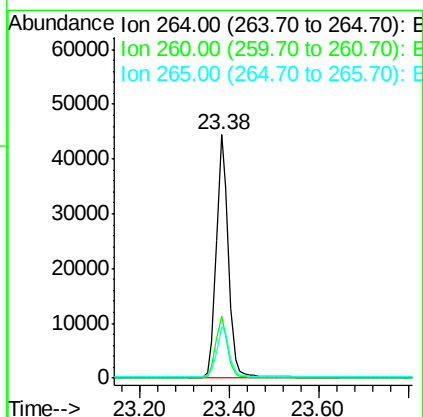
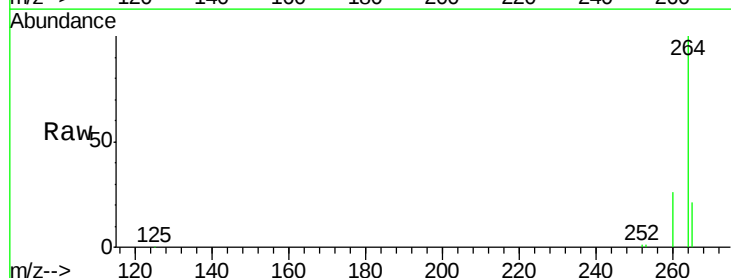
Instrument :
 BNA_M
 ClientSampleId :
 MW-4

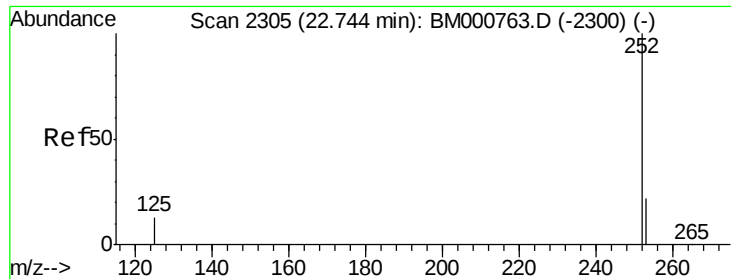
Tgt Ion: 276 Resp: 185
 Ion Ratio Lower Upper
 276 100
 138 38.9 27.4 41.2
 277 26.5 19.7 29.5



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.38 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: BM000909.D
 Acq: 08 Apr 2015 15:03

Tgt Ion: 264 Resp: 83547
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.1 30.1
 265 21.0 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 22.74 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

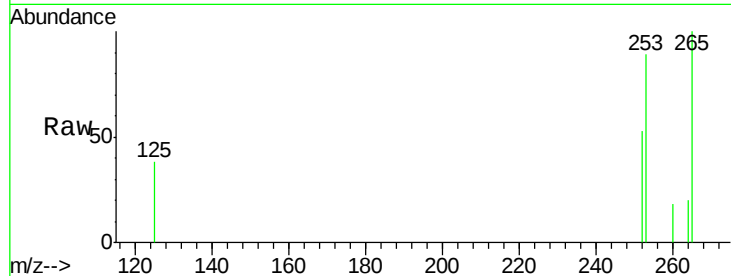
Tgt Ion:252 Resp: 118

Ion Ratio Lower Upper

252 100

253 170.0 18.5 27.7#

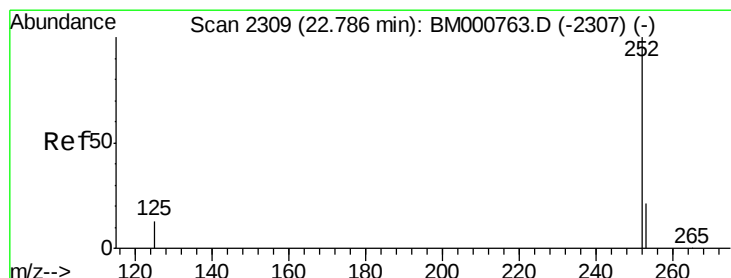
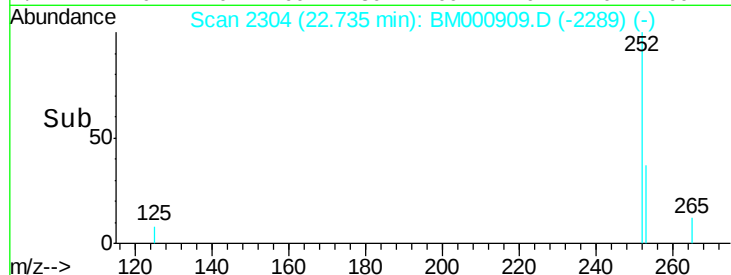
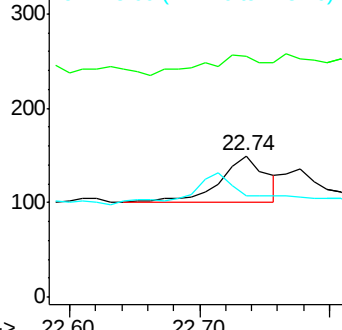
125 72.0 10.6 16.0#



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



#27

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 22.74 min Scan# 2304

Delta R.T. -0.04 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

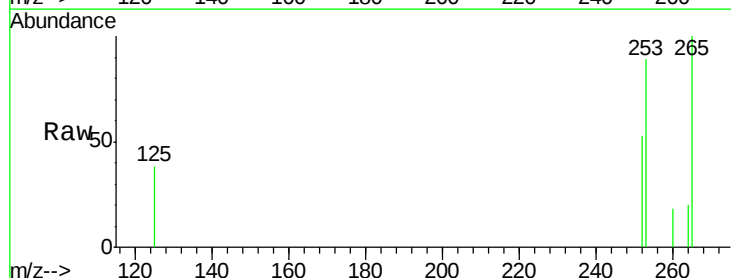
Tgt Ion:252 Resp: 118

Ion Ratio Lower Upper

252 100

253 170.0 17.9 26.9#

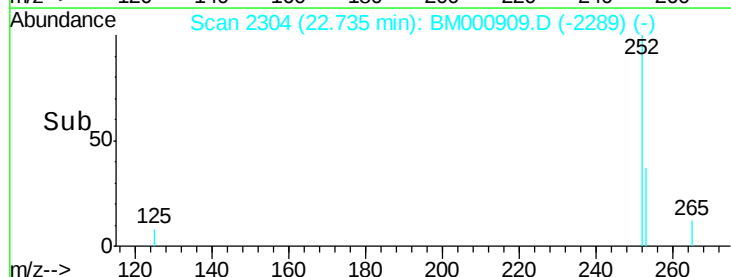
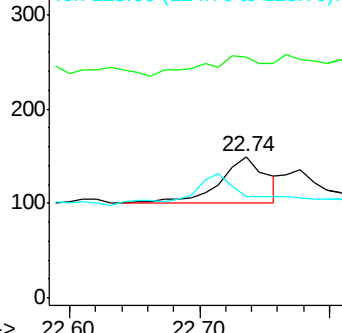
125 72.0 10.8 16.2#

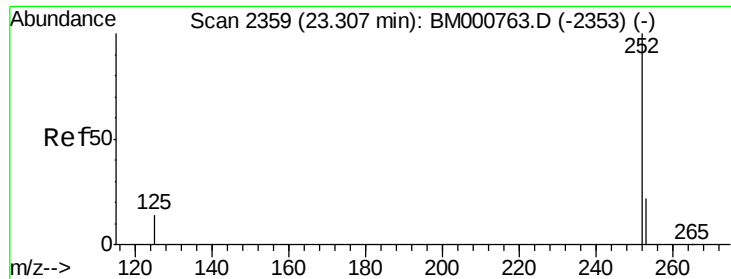


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

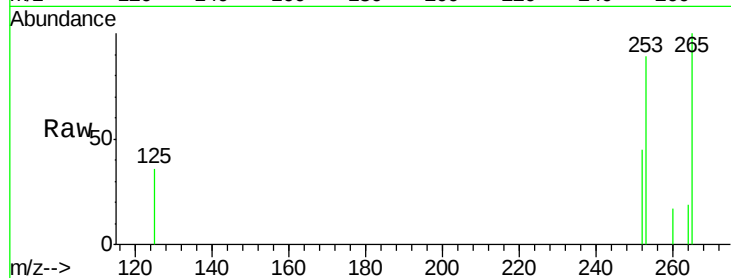
Tgt Ion: 252 Resp: 79

Ion Ratio Lower Upper

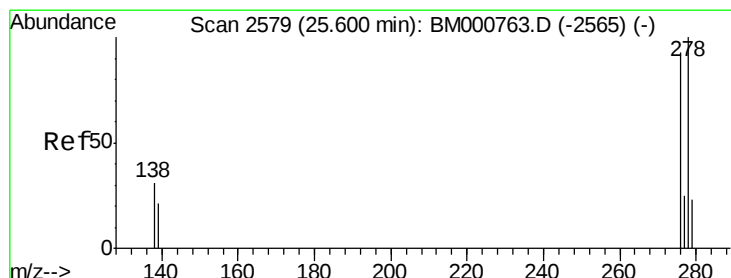
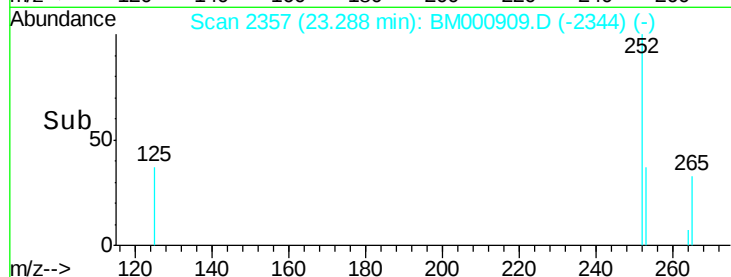
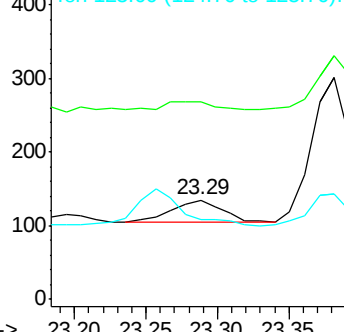
252 100

253 198.5 19.4 29.2#

125 80.0 11.5 17.3#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

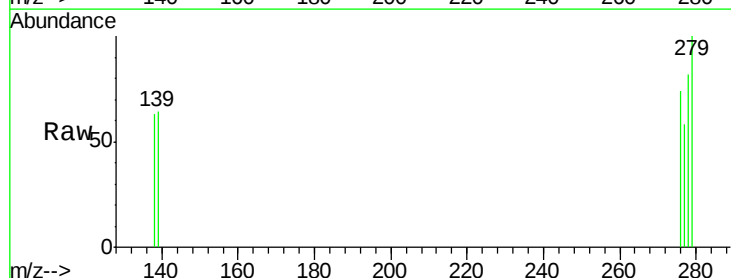
Tgt Ion: 278 Resp: 175

Ion Ratio Lower Upper

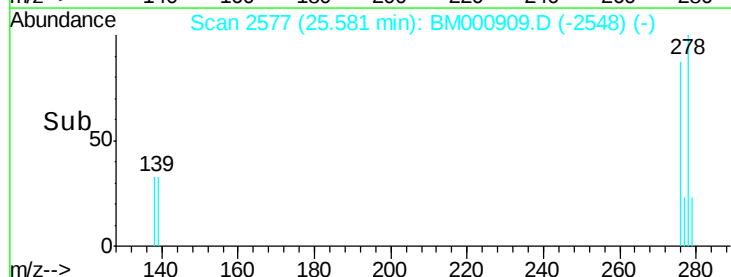
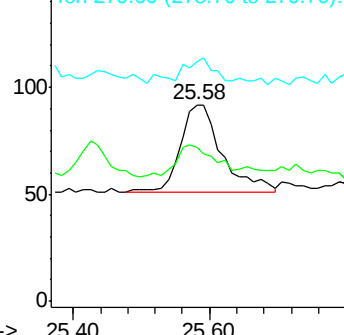
278 100

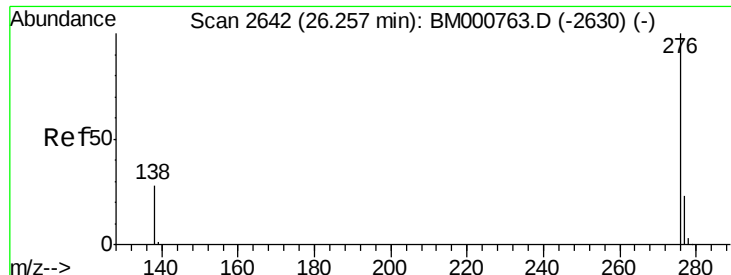
139 78.3 17.8 26.6#

279 121.7 19.3 28.9#



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





#30

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 26.24 min Scan# 2640

Delta R.T. 0.01 min

Lab File: BM000909.D

Acq: 08 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

MW-4

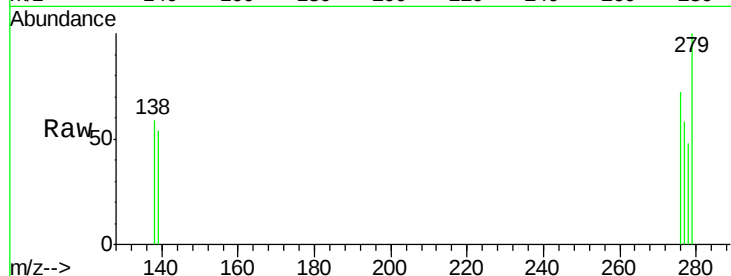
Tgt Ion: 276 Resp: 104

Ion Ratio Lower Upper

276 100

277 80.8 19.1 28.7#

138 82.1 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

26.24

Time-->

