

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000906.D
 Acq On : 08 Apr 2015 13:16
 Operator : TP/IZ
 Sample : G1742-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1

Quant Time: Apr 09 03:44:48 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	25462	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	88801	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	45653	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	99192	5.00	ng	0.00
19) Chrysene-d12	21.21	240	85212	5.00	ng	0.00
25) Perylene-d12	23.39	264	76417	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	37026	6.82	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	116866	8.25	ng	0.00
21) Terphenyl-d14	19.65	244	108499	10.58	ng	0.00

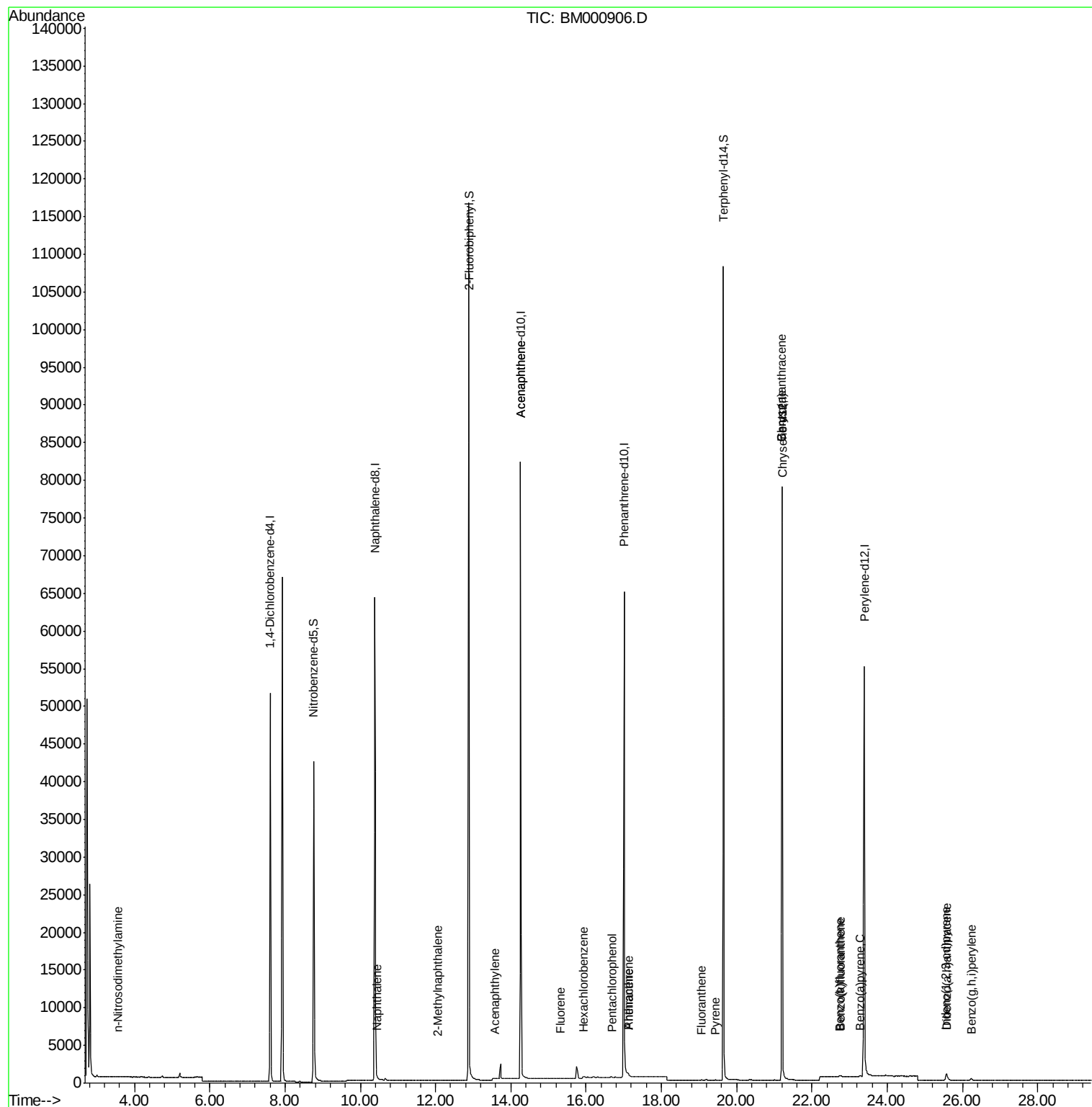
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.55	42	6	0.16	ng	# 70
6) Naphthalene	10.44	128	123	0.01	ng	# 1
7) 2-Methylnaphthalene	12.07	142	49	0.00	ng	# 35
10) Acenaphthylene	13.57	152	345	0.02	ng	# 62
11) Acenaphthene	14.26	154	203	0.01	ng	# 14
12) Fluorene	15.32	166	37	0.00	ng	# 46
14) Hexachlorobenzene	15.94	284	253	0.04	ng	# 43
15) Pentachlorophenol	16.68	266	90	0.42	ng	# 72
16) Phenanthrene	17.13	178	156	0.01	ng	96
17) Anthracene	17.13	178	156	0.01	ng	95
18) Fluoranthene	19.08	202	89	0.00	ng	# 68
20) Pyrene	19.44	202	85	0.00	ng	# 88
22) Benzo(a)anthracene	21.20	228	460	0.02	ng	# 81
23) Chrysene	21.20	228	460	0.02	ng	# 77
24) Indeno(1,2,3-cd)pyrene	25.57	276	1051	0.04	ng	96
26) Benzo(b)fluoranthene	22.73	252	233	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.78	252	243	0.01	ng	# 1
28) Benzo(a)pyrene	23.29	252	248	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	1173	0.06	ng	# 58
30) Benzo(g,h,i)perylene	26.24	276	542	0.02	ng	# 60

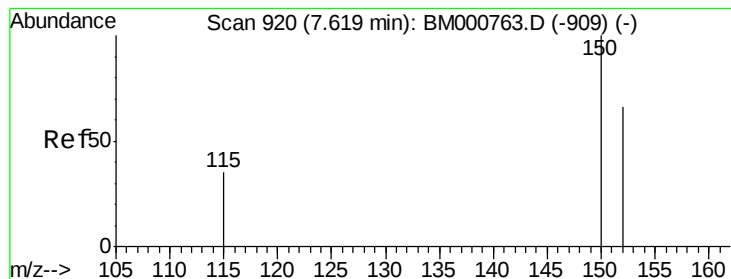
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:44:48 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
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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: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

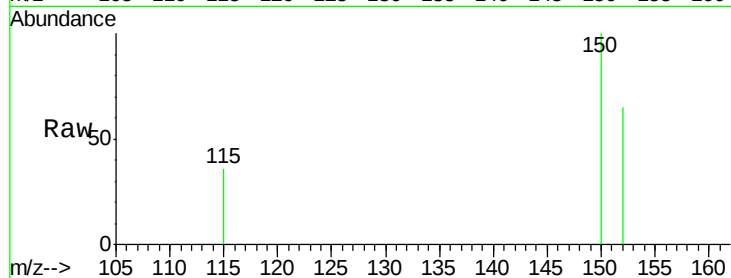
Tgt Ion: 152 Resp: 25462

Ion Ratio Lower Upper

152 100

150 154.2 120.8 181.2

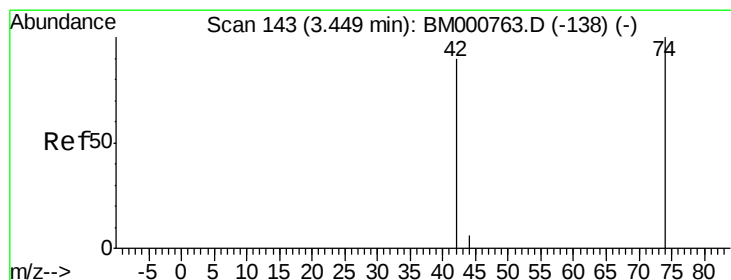
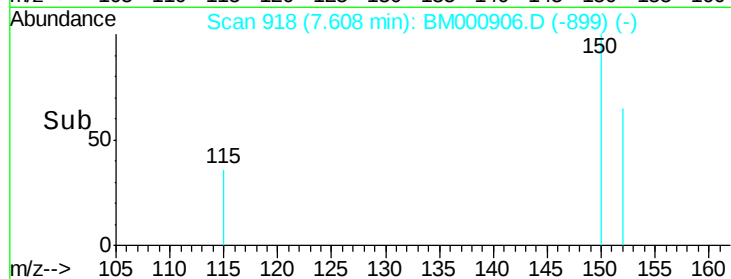
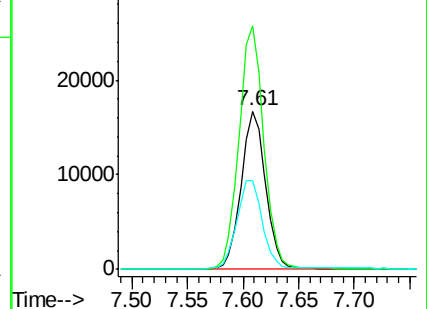
115 56.0 42.7 64.1



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: 3.55 min Scan# 162

Delta R.T. 0.11 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

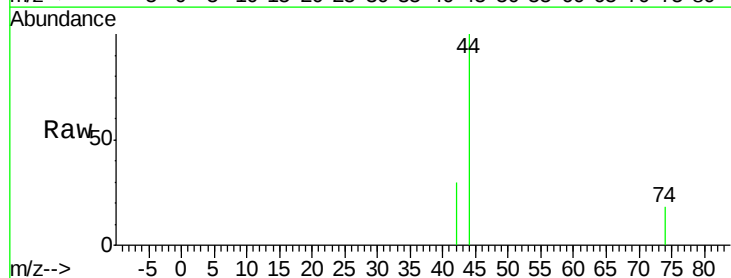
Tgt Ion: 42 Resp: 6

Ion Ratio Lower Upper

42 100

74 83.3 93.6 140.4#

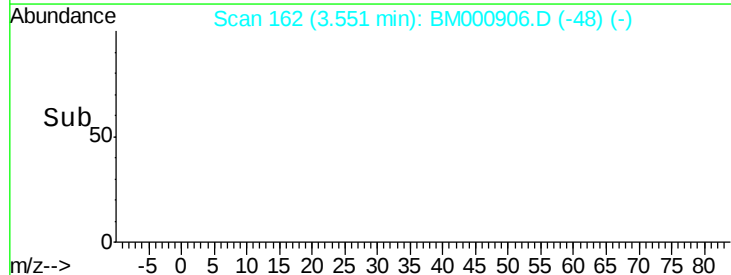
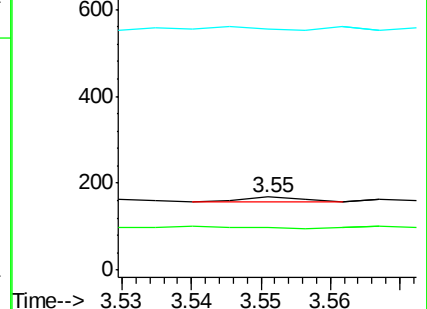
44 0.0 6.3 9.5#

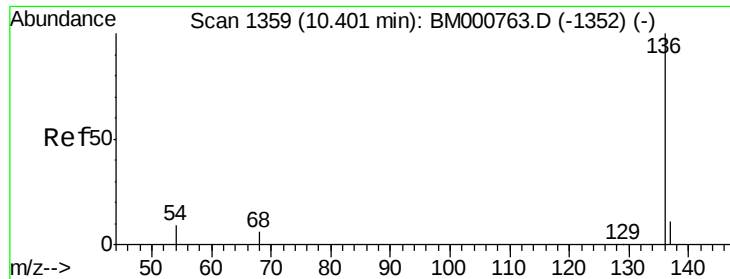


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0

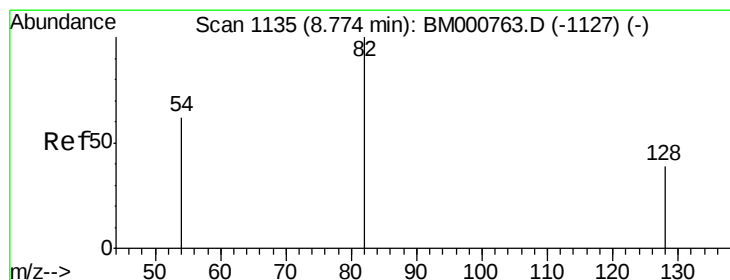
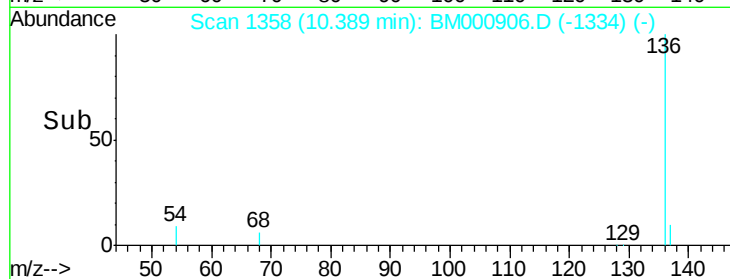
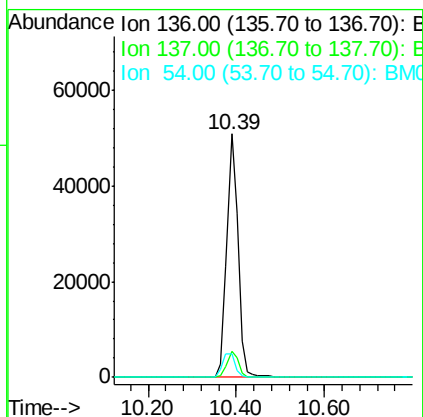
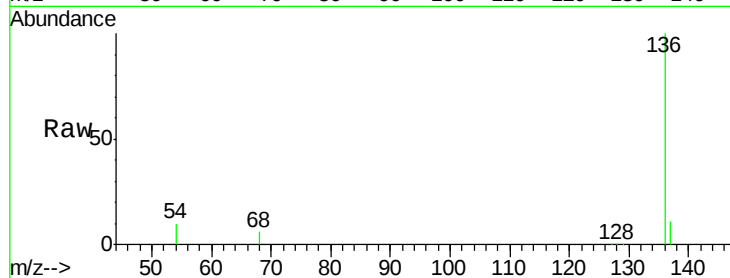




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

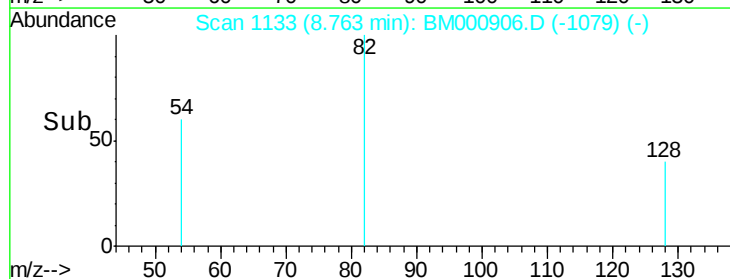
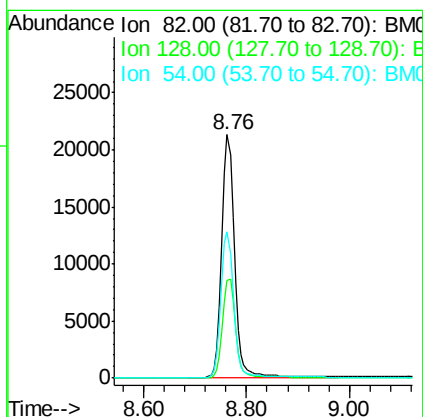
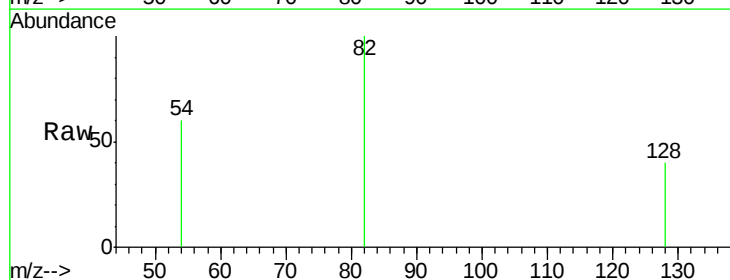
Instrument :
BNA_M
ClientSampleId :
MW-1

Tgt Ion: 136 Resp: 88801
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.5 7.0 10.6



#5
Nitrobenzene-d5
Concen: 6.82 ng
RT: 8.76 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

Tgt Ion: 82 Resp: 37026
Ion Ratio Lower Upper
82 100
128 40.2 32.2 48.2
54 60.0 50.2 75.4





#6

Naphthalene

Concen: 0.01 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampled :

MW-1

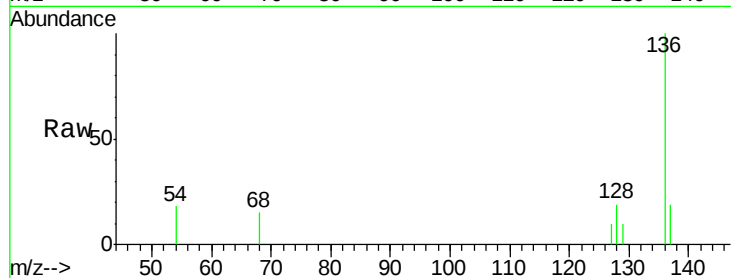
Tgt Ion:128 Resp: 123

Ion Ratio Lower Upper

128 100

129 53.2 8.9 13.3#

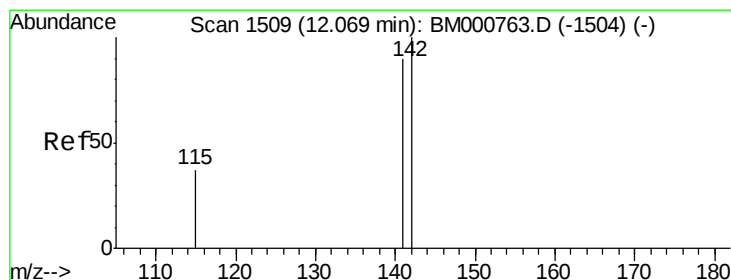
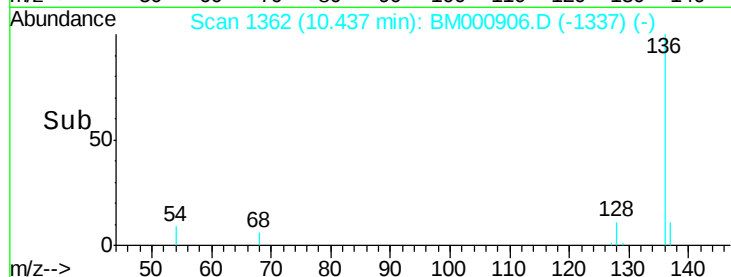
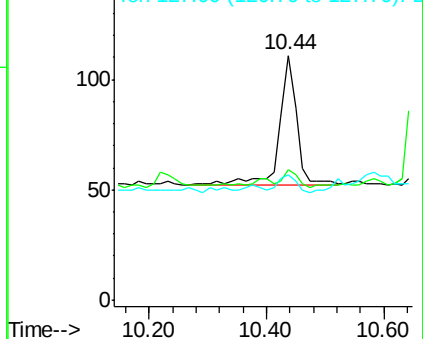
127 51.4 10.0 15.0#



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: BM000906.D

Acq: 08 Apr 2015 13:16

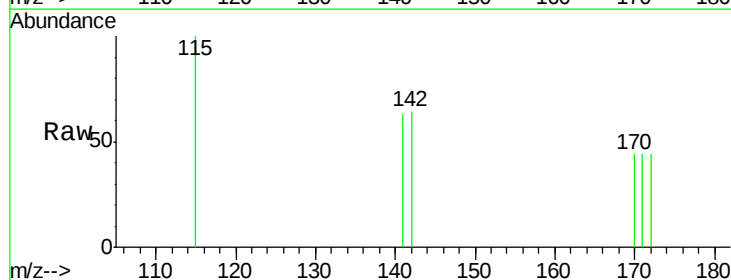
Tgt Ion:142 Resp: 49

Ion Ratio Lower Upper

142 100

141 98.5 72.3 108.5

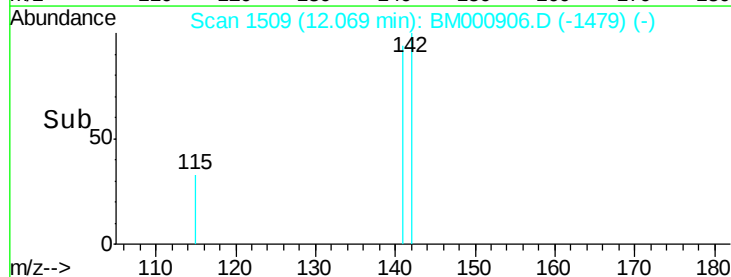
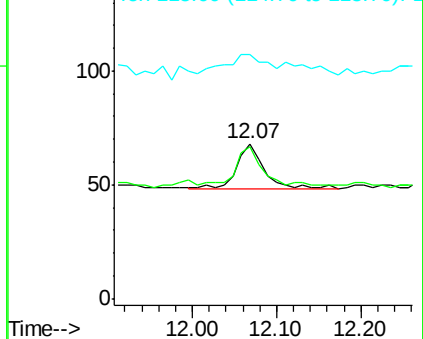
115 157.4 29.5 44.3#



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: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampled :

MW-1

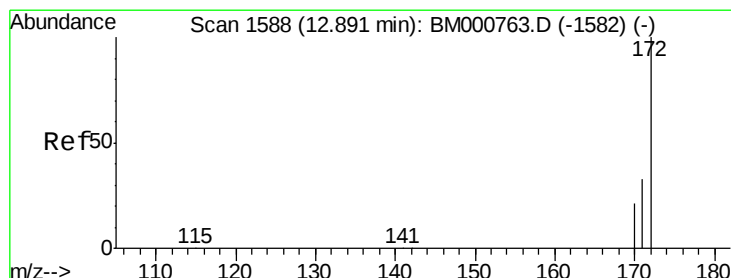
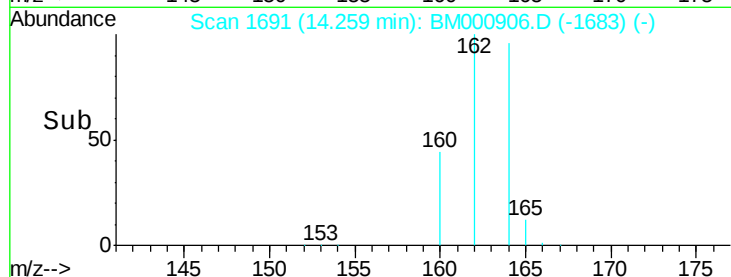
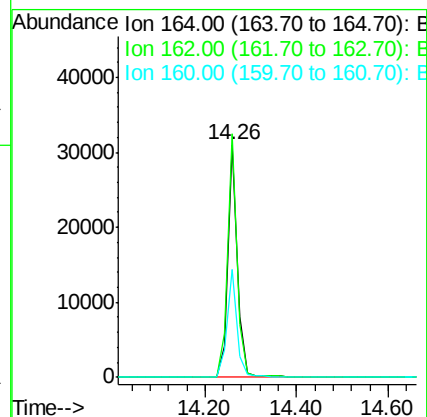
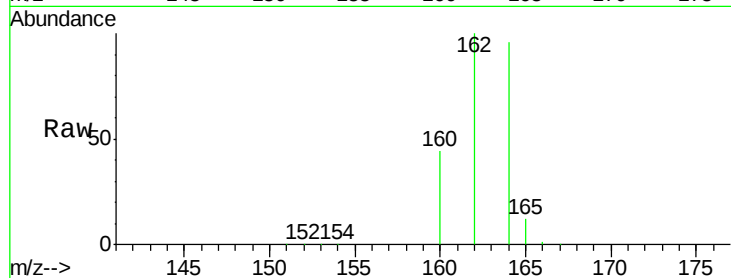
Tgt Ion:164 Resp: 45653

Ion Ratio Lower Upper

164 100

162 104.6 75.4 113.2

160 46.5 30.8 46.2#



#9

2-Fluorobiphenyl

Concen: 8.25 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

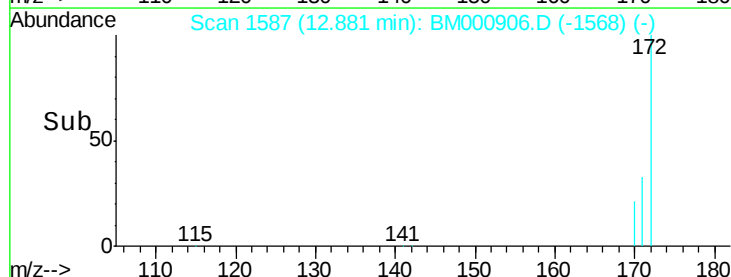
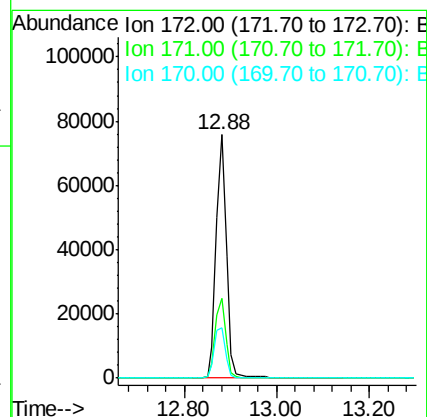
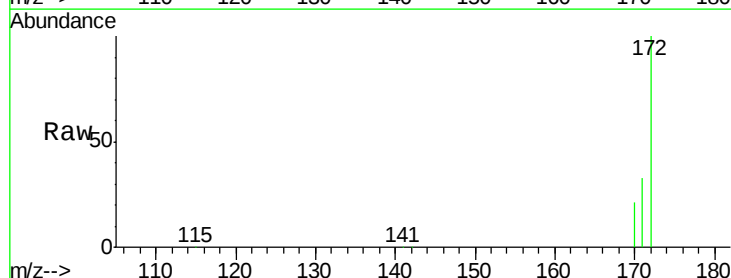
Tgt Ion:172 Resp: 116866

Ion Ratio Lower Upper

172 100

171 32.8 26.6 39.8

170 20.7 17.1 25.7





#10

Acenaphthylene

Concen: 0.02 ng

RT: 13.57 min Scan# 1651

Delta R.T. -0.39 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

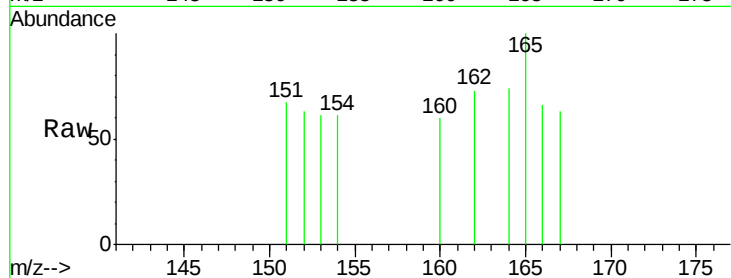
Tgt Ion:152 Resp: 345

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#

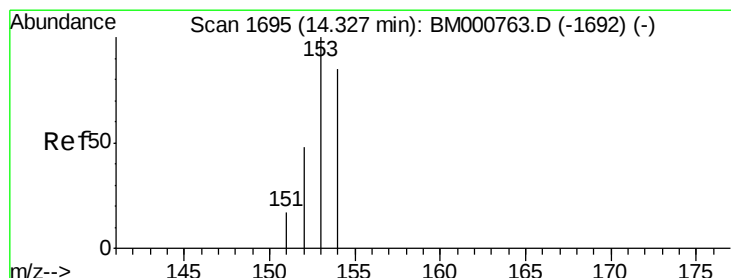
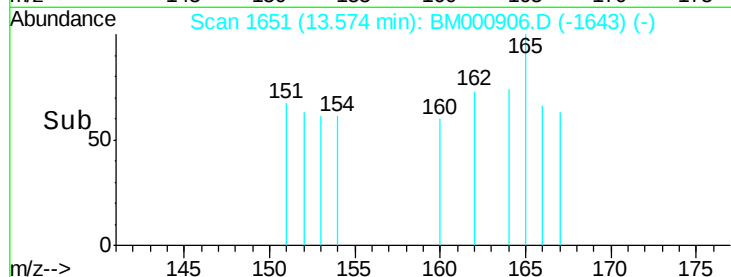
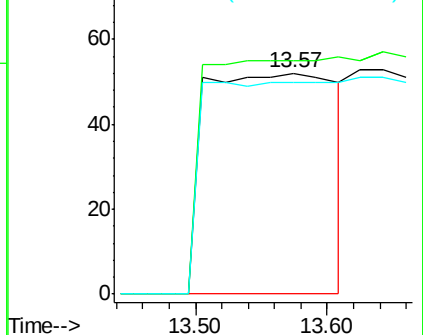
153 0.0 10.2 15.4#



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



#11

Acenaphthene

Concen: 0.01 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

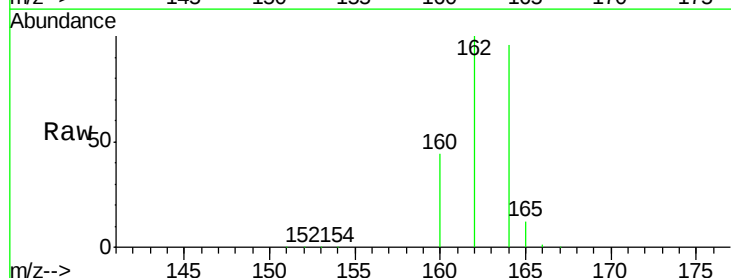
Tgt Ion:154 Resp: 203

Ion Ratio Lower Upper

154 100

153 7.9 87.3 130.9#

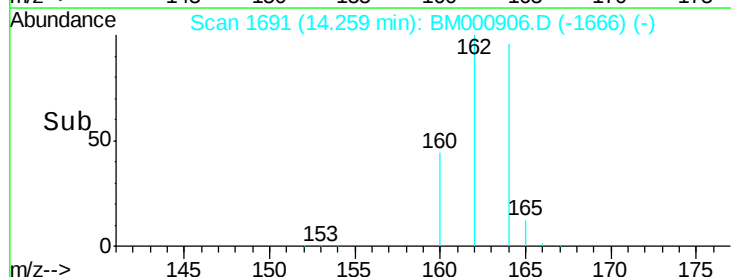
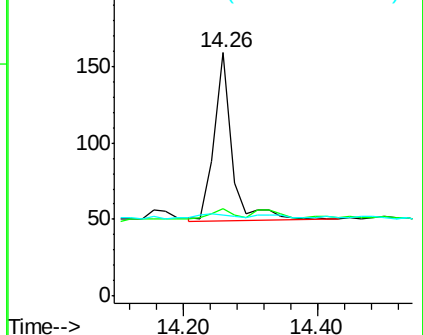
152 7.4 43.0 64.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

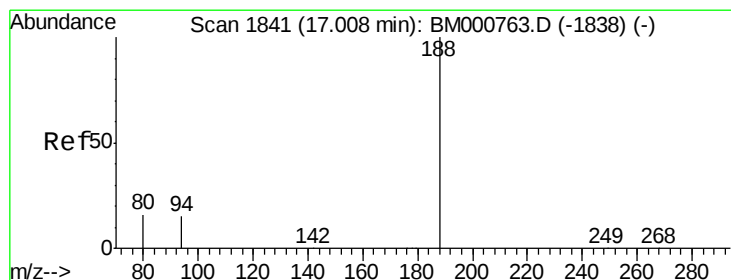
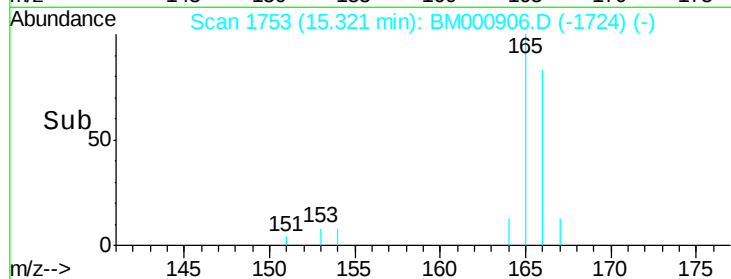
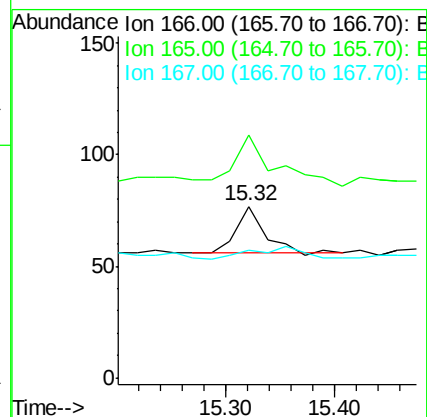
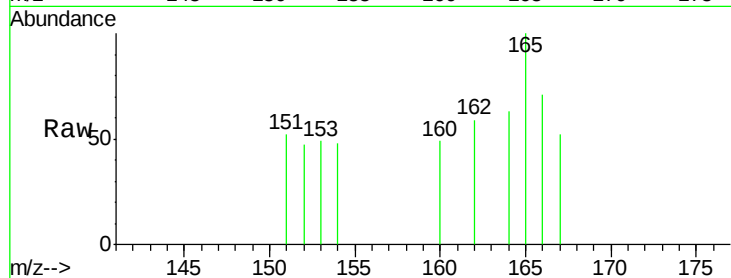
Tgt Ion:166 Resp: 37

Ion Ratio Lower Upper

166 100

165 154.1 78.2 117.2#

167 0.0 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: BM000906.D

Acq: 08 Apr 2015 13:16

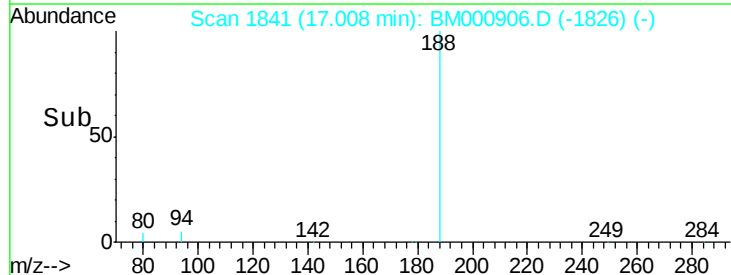
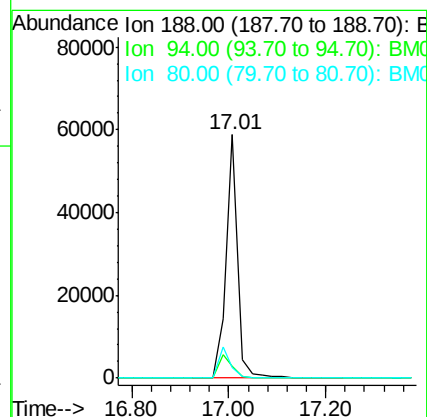
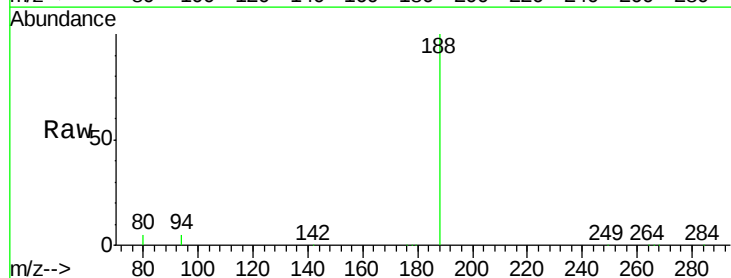
Tgt Ion:188 Resp: 99192

Ion Ratio Lower Upper

188 100

94 5.1 12.0 18.0#

80 4.6 12.8 19.2#

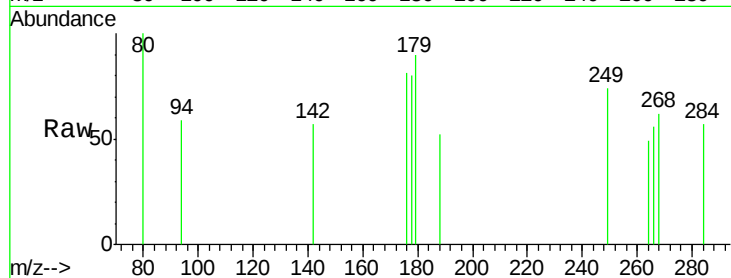




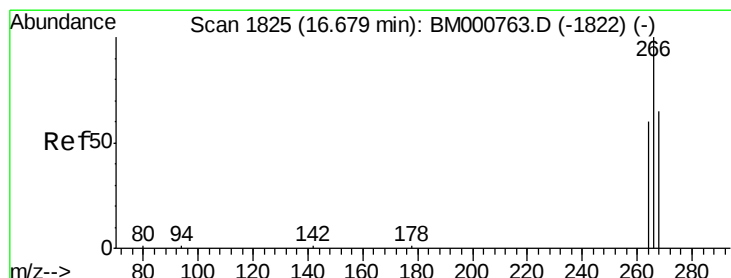
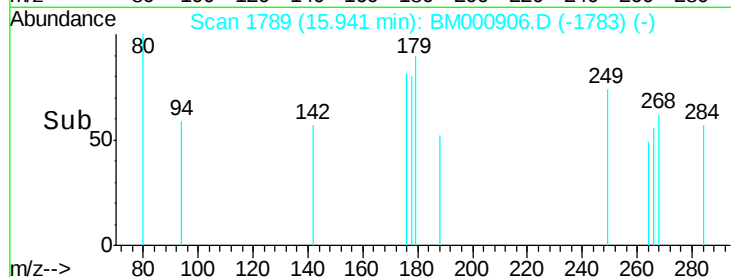
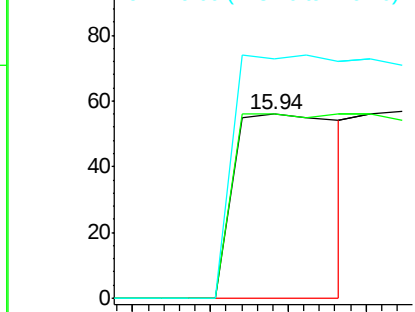
#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 15.94 min Scan# 1789
Delta R.T. -0.39 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

Instrument :
BNA_M
ClientSampleId :
MW-1

Tgt Ion: 284 Resp: 253
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#

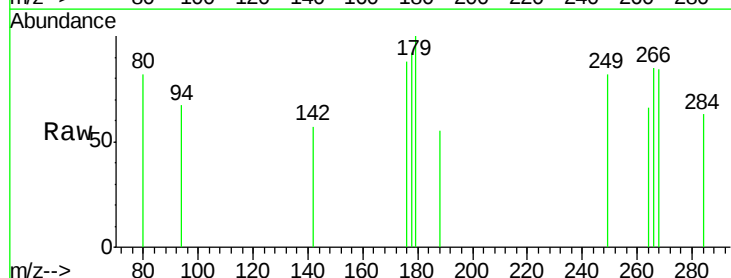


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

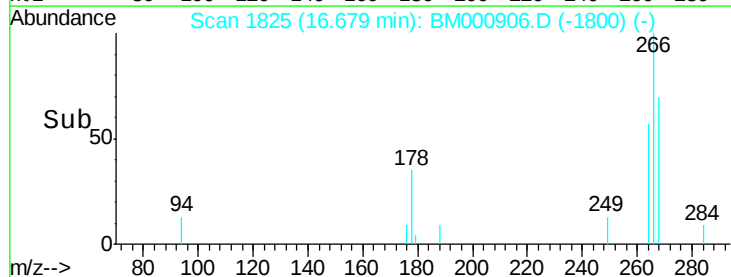
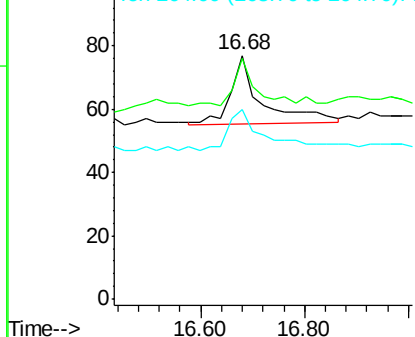


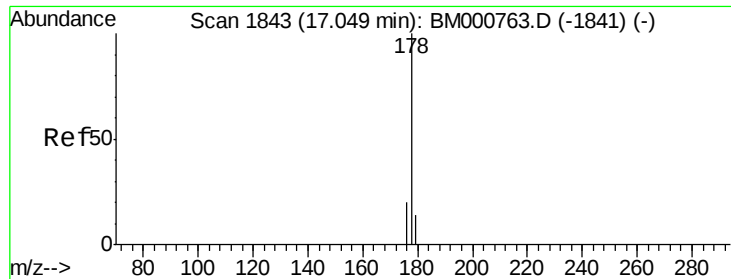
#15
Pentachlorophenol
Concen: 0.42 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

Tgt Ion: 266 Resp: 90
Ion Ratio Lower Upper
266 100
268 98.7 55.0 82.6#
264 77.9 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. 0.08 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

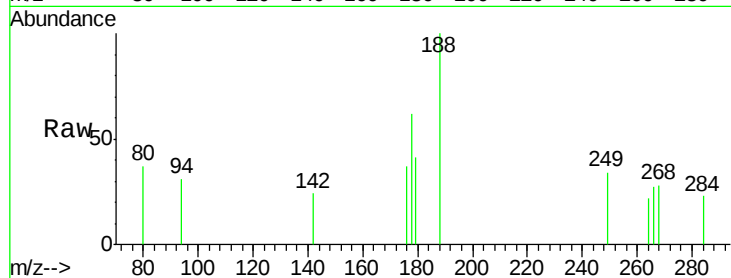
Tgt Ion:178 Resp: 156

Ion Ratio Lower Upper

178 100

176 17.3 15.3 22.9

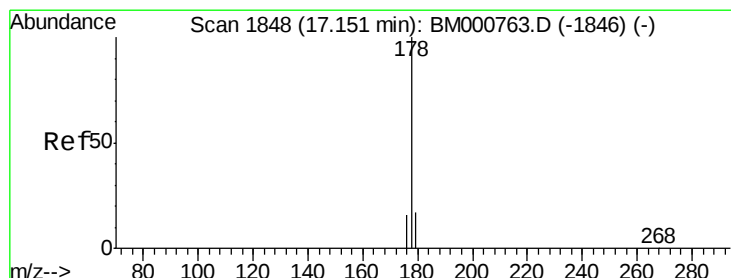
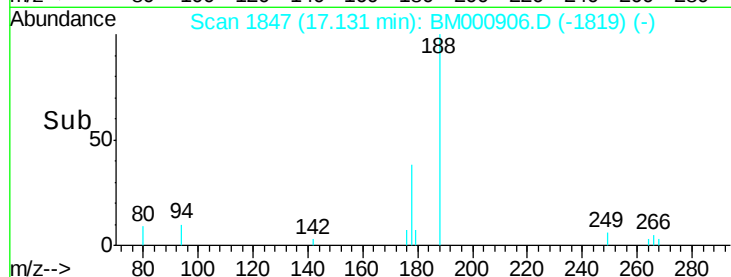
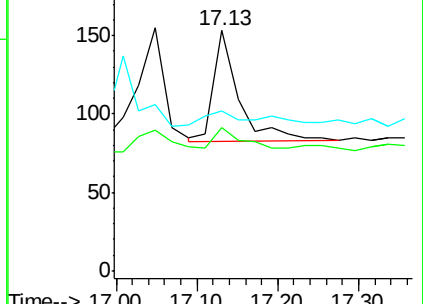
179 16.7 12.2 18.2



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: BM000906.D

Acq: 08 Apr 2015 13:16

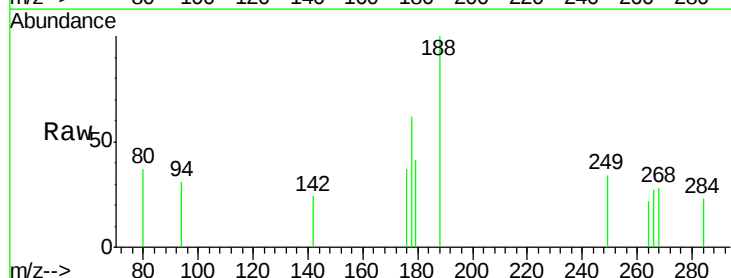
Tgt Ion:178 Resp: 156

Ion Ratio Lower Upper

178 100

176 21.2 14.6 22.0

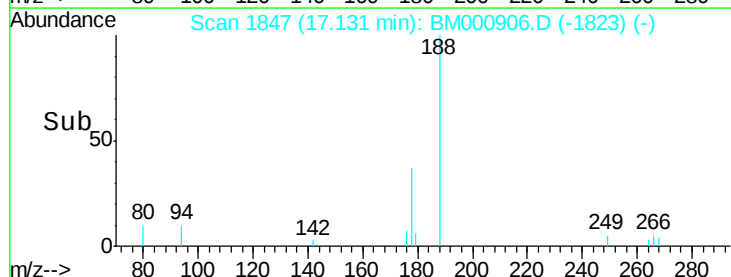
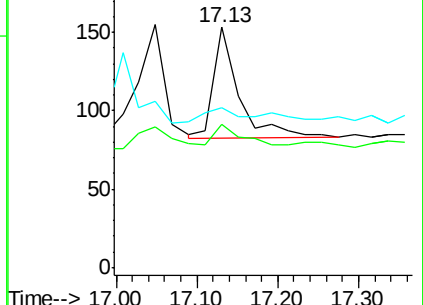
179 16.7 12.2 18.4

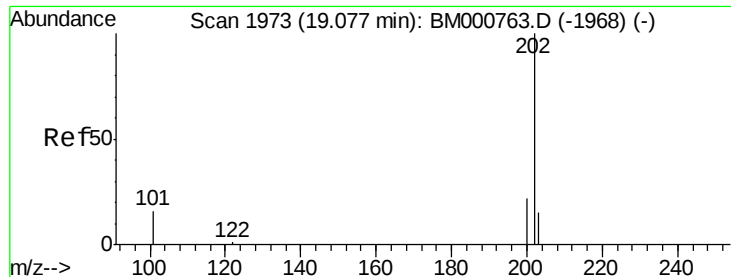


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

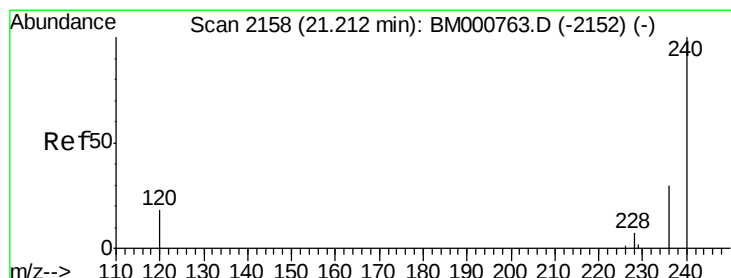
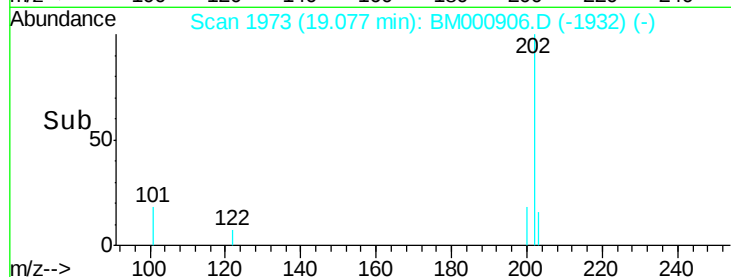
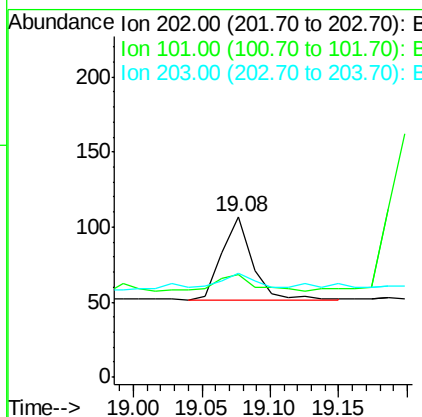
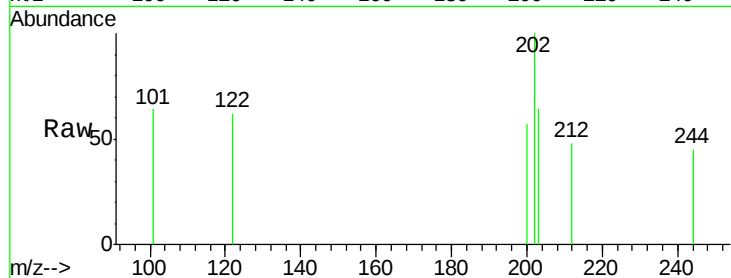




#18
Fluoranthene
Concen: 0.00 ng
RT: 19.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

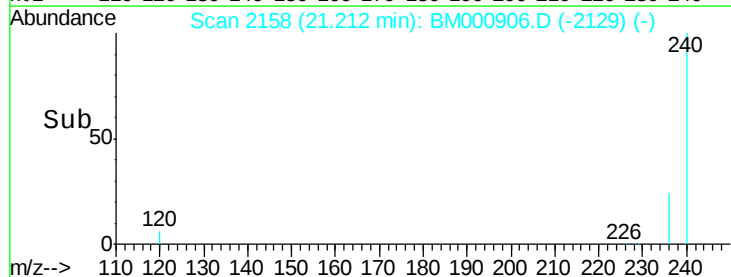
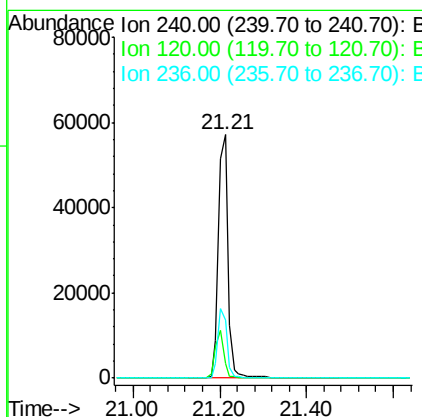
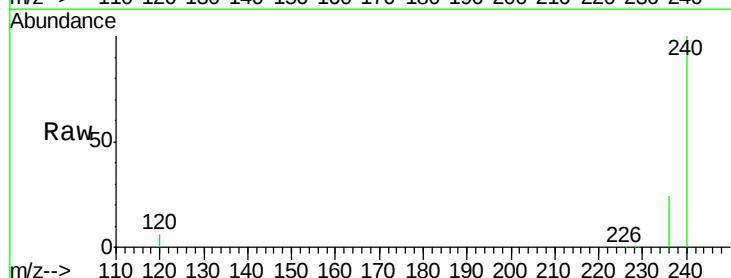
Instrument :
BNA_M
ClientSampleId :
MW-1

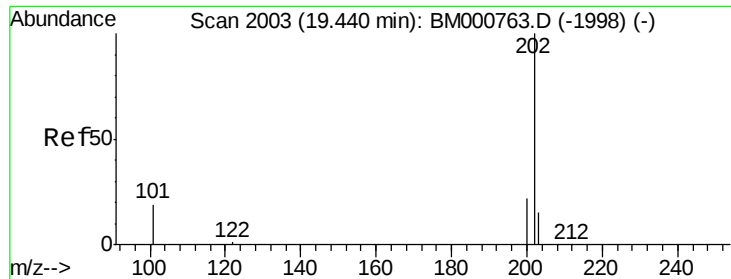
Tgt Ion: 202 Resp: 89
Ion Ratio Lower Upper
202 100
101 25.8 10.5 15.7#
203 31.5 13.8 20.8#



#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

Tgt Ion: 240 Resp: 85212
Ion Ratio Lower Upper
240 100
120 5.7 14.9 22.3#
236 23.9 24.2 36.4#

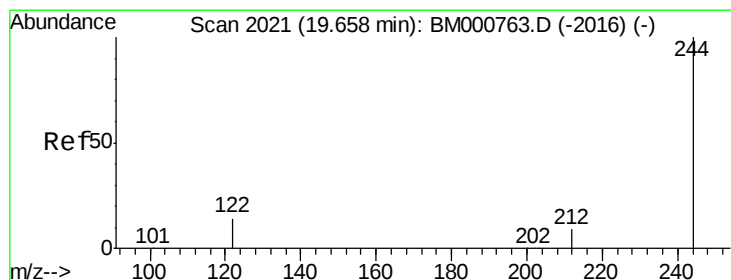
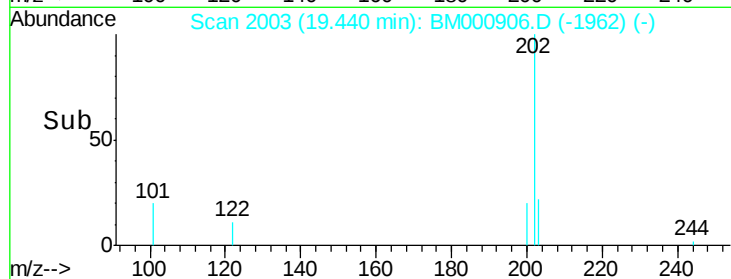
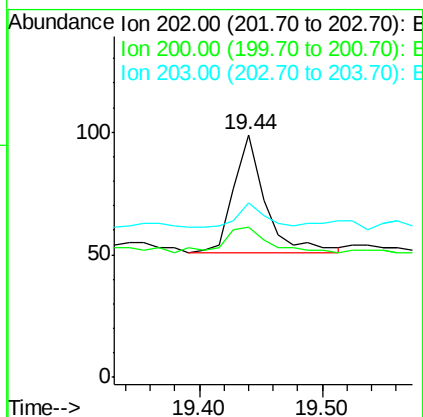
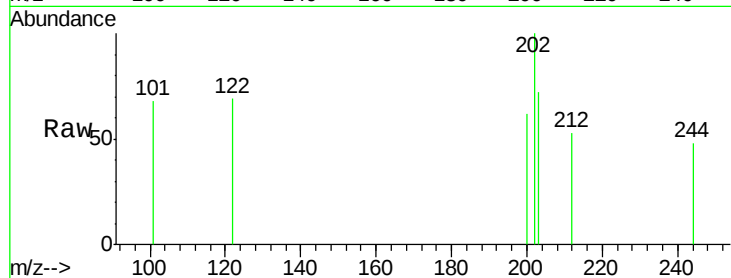




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

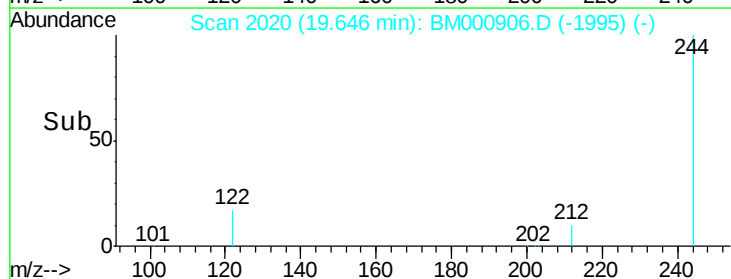
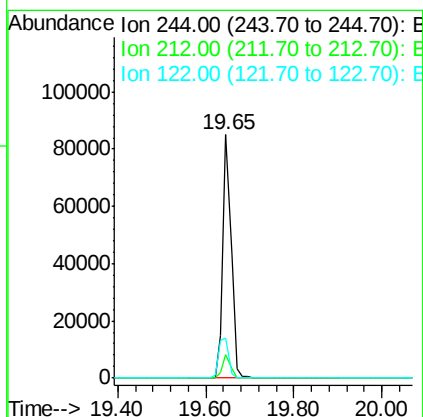
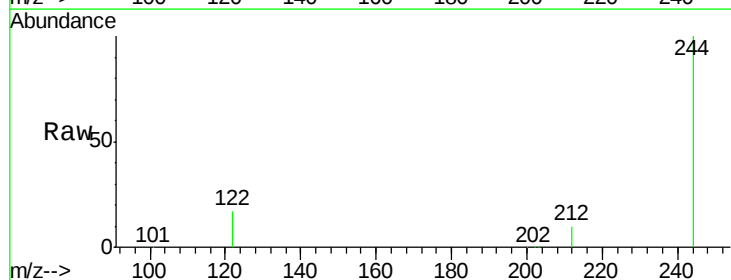
Instrument :
BNA_M
ClientSampleId :
MW-1

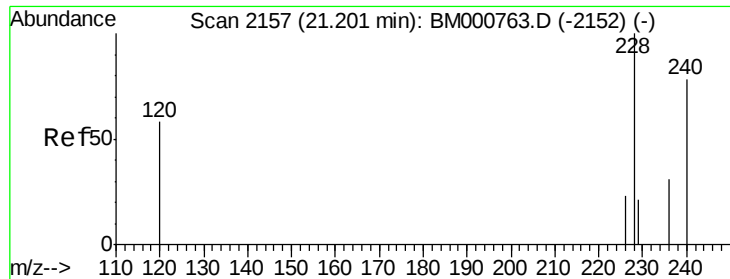
Tgt Ion: 202 Resp: 85
Ion Ratio Lower Upper
202 100
200 29.4 16.2 24.2#
203 18.8 13.9 20.9



#21
Terphenyl-d14
Concen: 10.58 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000906.D
Acq: 08 Apr 2015 13:16

Tgt Ion: 244 Resp: 108499
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 16.7 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: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

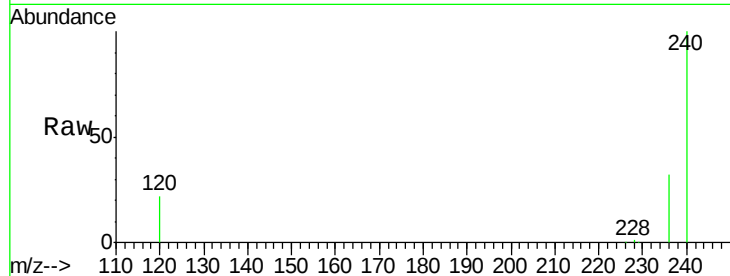
Tgt Ion:228 Resp: 460

Ion Ratio Lower Upper

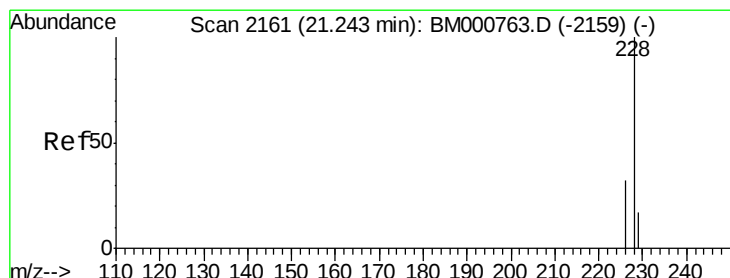
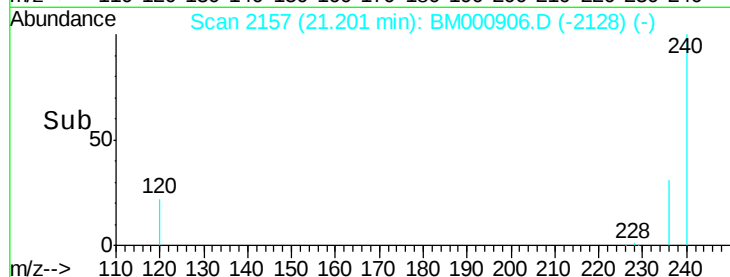
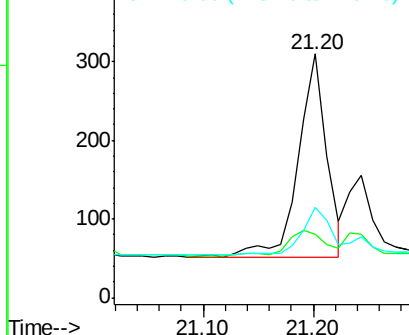
228 100

226 25.8 18.6 27.8

229 37.1 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: BM000906.D

Acq: 08 Apr 2015 13:16

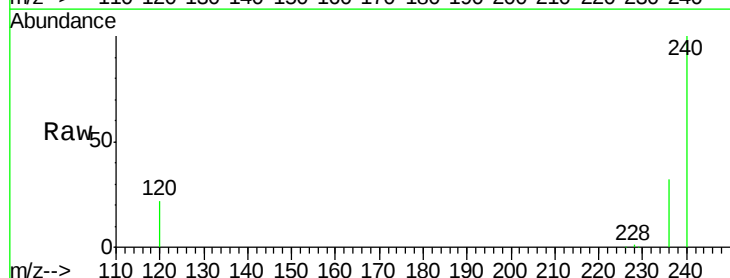
Tgt Ion:228 Resp: 460

Ion Ratio Lower Upper

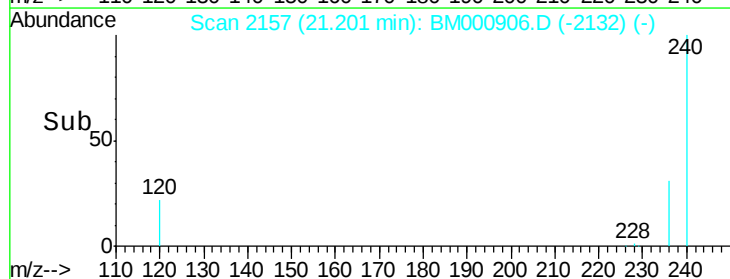
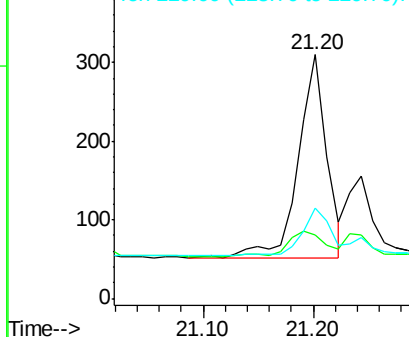
228 100

226 25.8 25.8 38.8#

229 37.1 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: 0.04 ng

RT: 25.57 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

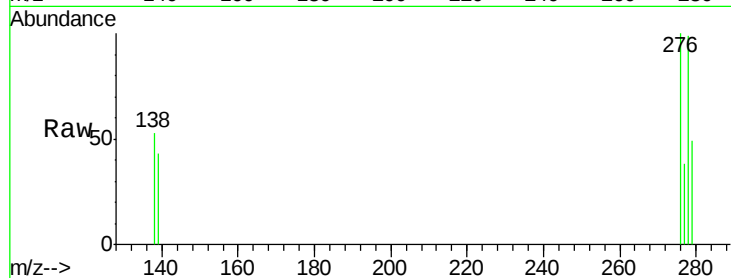
Tgt Ion:276 Resp: 1051

Ion Ratio Lower Upper

276 100

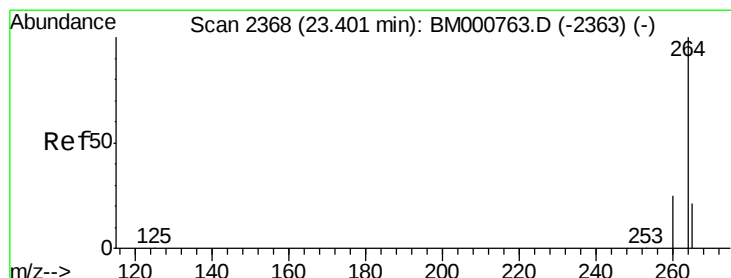
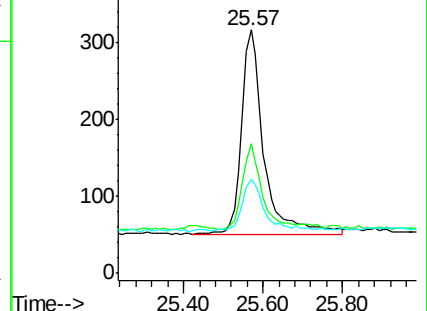
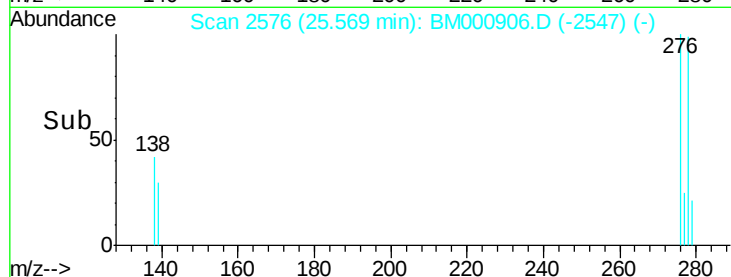
138 37.2 27.4 41.2

277 23.6 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

25.57



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

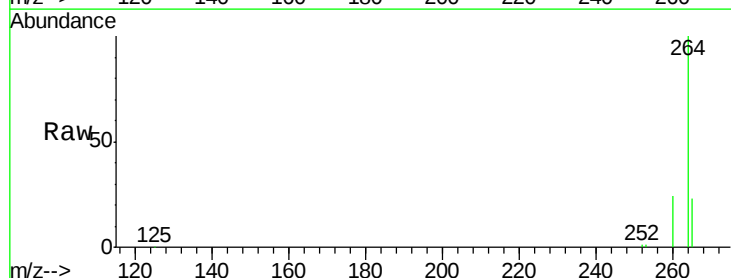
Tgt Ion:264 Resp: 76417

Ion Ratio Lower Upper

264 100

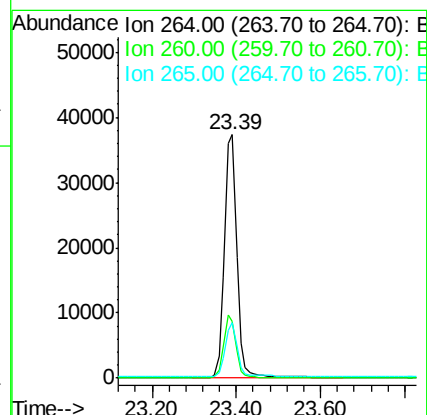
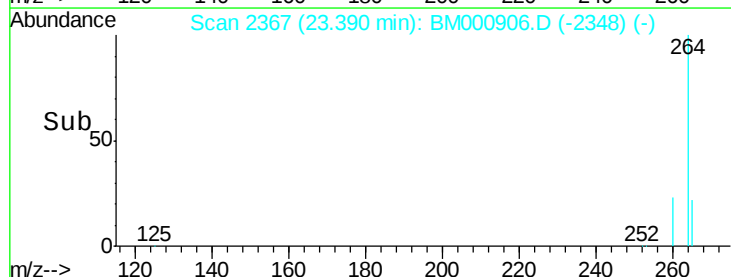
260 23.6 20.1 30.1

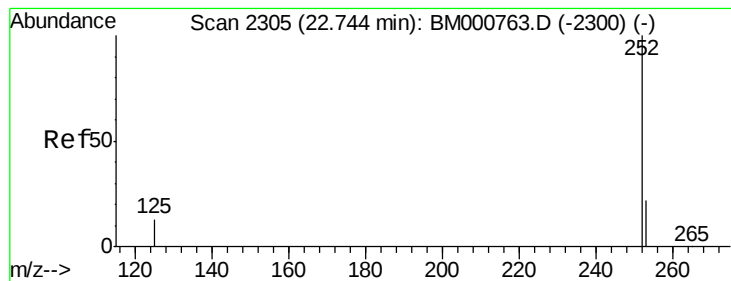
265 22.7 17.4 26.0



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

23.39





#26

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 22.73 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

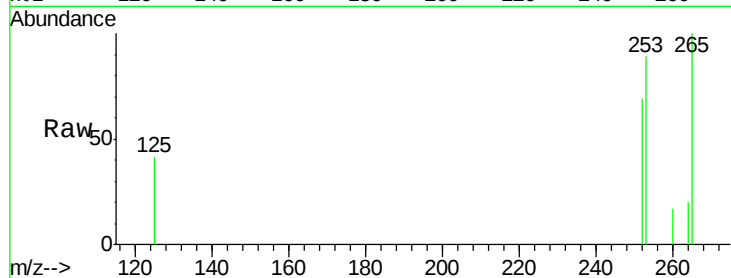
Tgt Ion:252 Resp: 233

Ion Ratio Lower Upper

252 100

253 129.4 18.5 27.7#

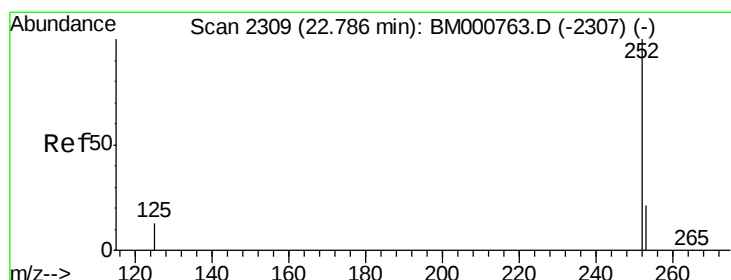
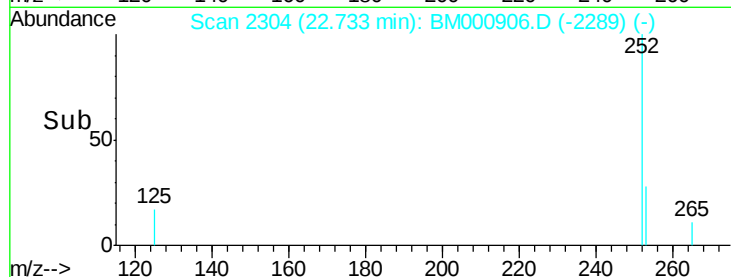
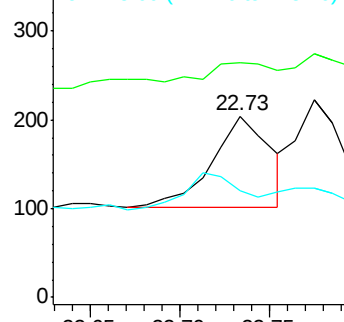
125 58.8 10.6 16.0#



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: 0.01 ng

RT: 22.78 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

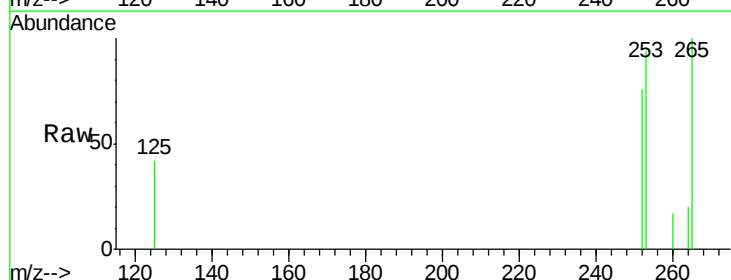
Tgt Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

253 123.4 17.9 26.9#

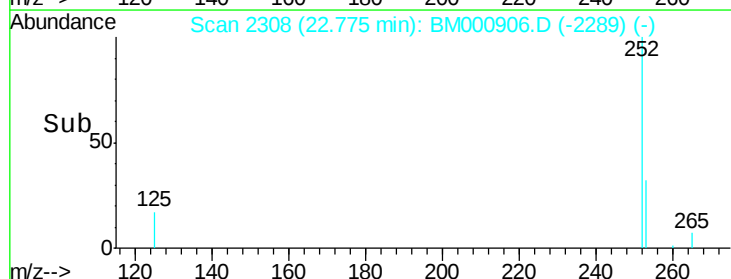
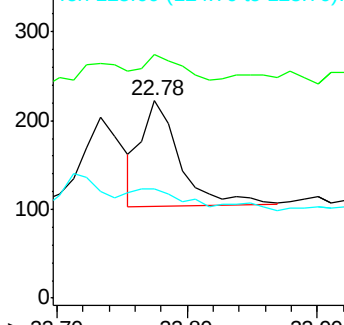
125 55.4 10.8 16.2#



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: 0.01 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

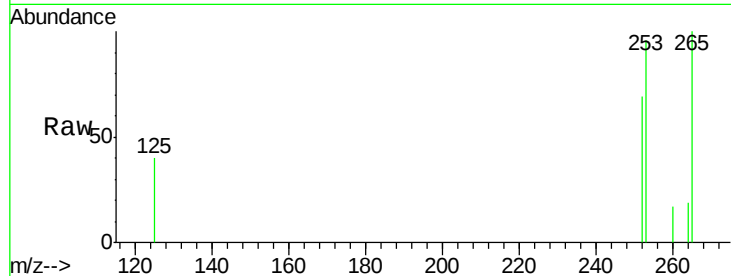
Tgt Ion:252 Resp: 248

Ion Ratio Lower Upper

252 100

253 139.4 19.4 29.2#

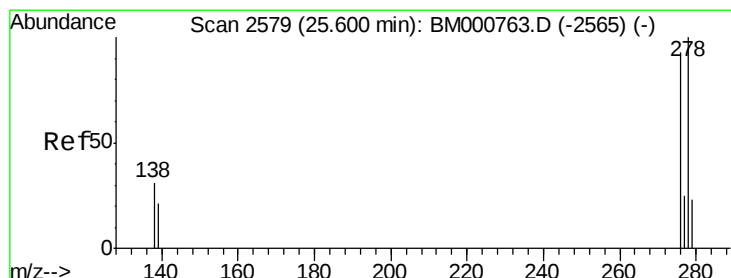
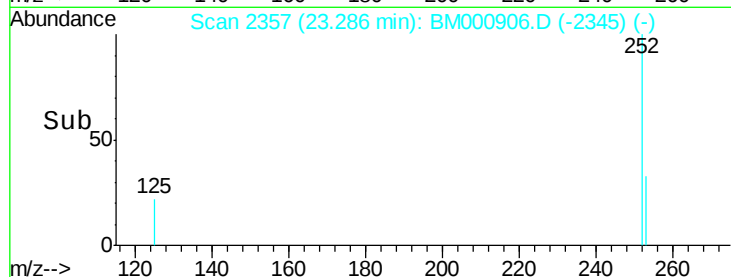
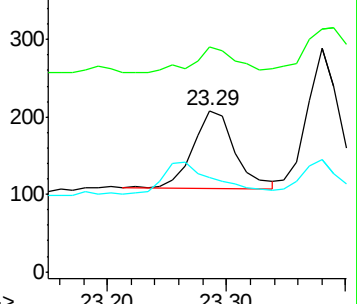
125 58.2 11.5 17.3#



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: 0.06 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

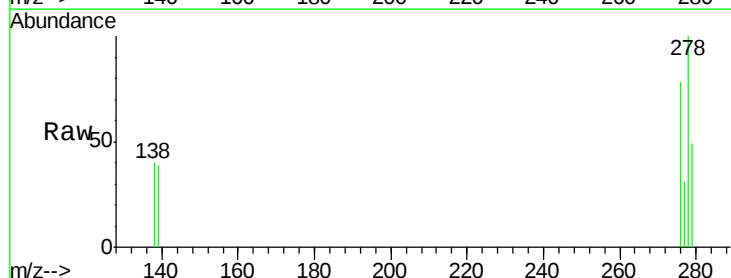
Tgt Ion:278 Resp: 1173

Ion Ratio Lower Upper

278 100

139 38.8 17.8 26.6#

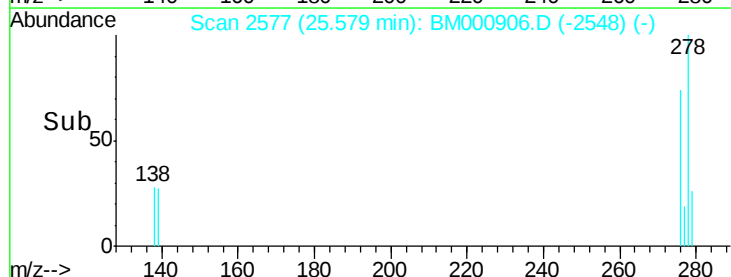
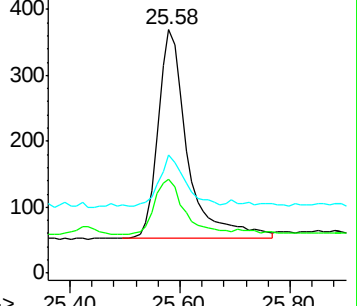
279 48.5 19.3 28.9#

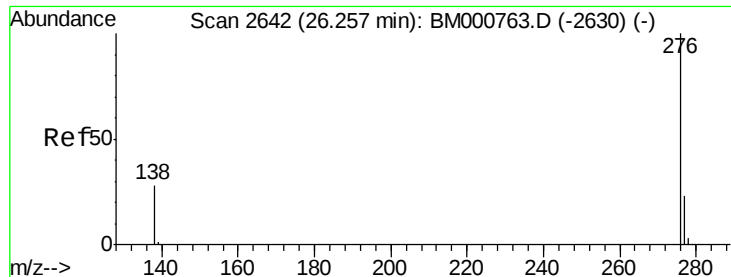


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.02 ng

RT: 26.24 min Scan# 2640

Delta R.T. 0.01 min

Lab File: BM000906.D

Acq: 08 Apr 2015 13:16

Instrument :

BNA_M

ClientSampleId :

MW-1

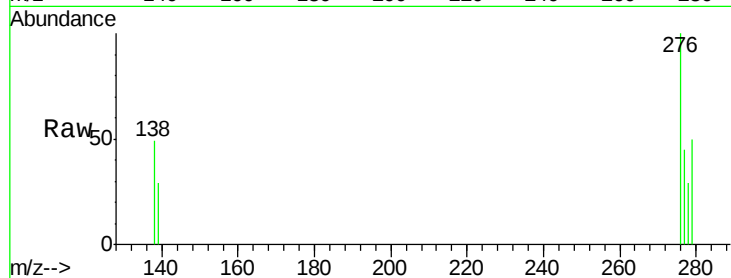
Tgt Ion: 276 Resp: 542

Ion Ratio Lower Upper

276 100

277 44.7 19.1 28.7#

138 48.7 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

