

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000914.D
 Acq On : 08 Apr 2015 18:01
 Operator : TP/IZ
 Sample : G1767-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1

Quant Time: Apr 09 03:48:40 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	27513	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	95091	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	48456	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	108318	5.00	ng	0.00
19) Chrysene-d12	21.21	240	91756	5.00	ng	0.00
25) Perylene-d12	23.39	264	83106	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	38814	6.68	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	121866	8.11	ng	0.00
21) Terphenyl-d14	19.65	244	113660	10.29	ng	0.00

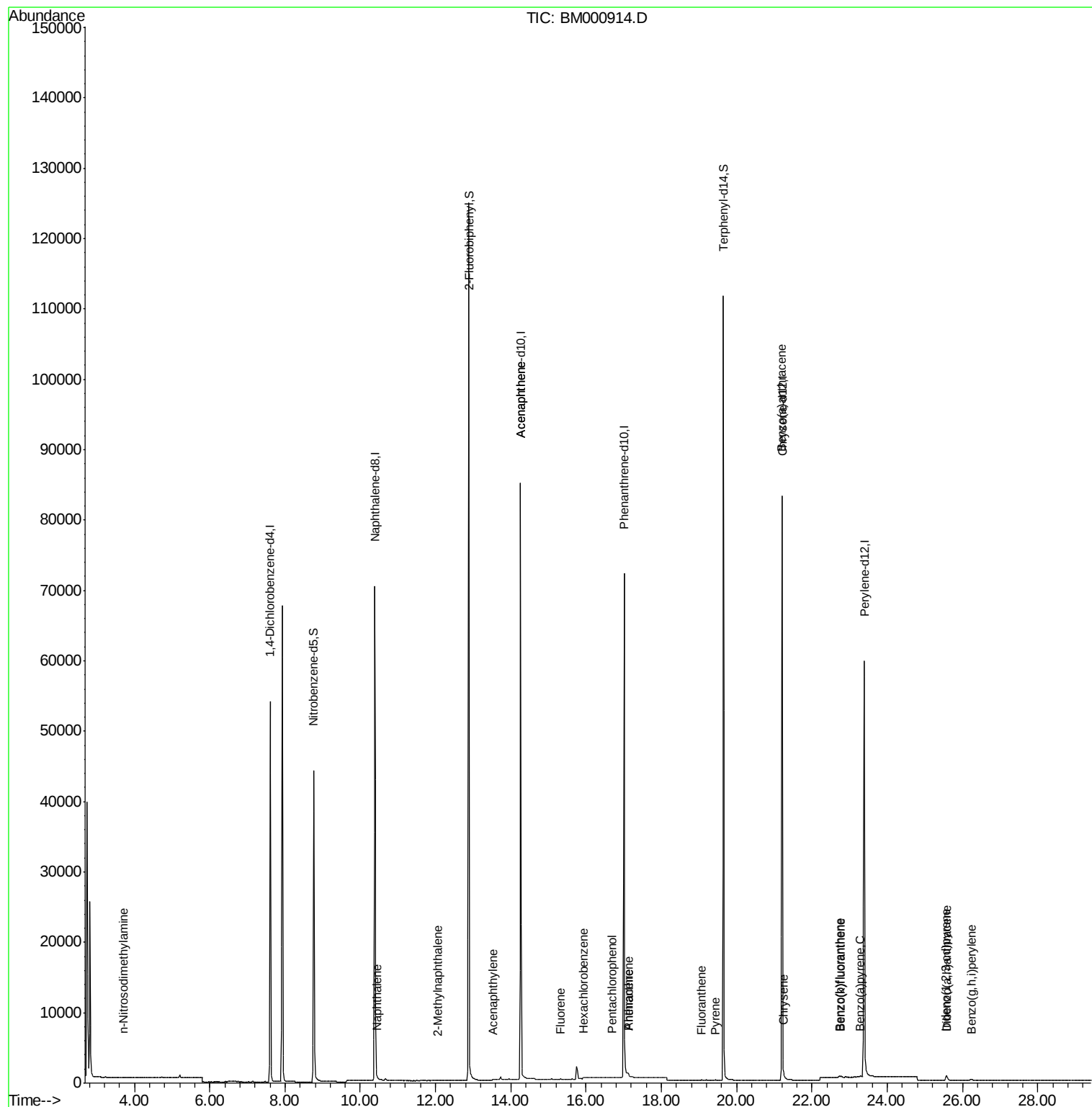
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.71	42	24	0.16	ng	# 76
6) Naphthalene	10.44	128	96	0.00	ng	# 1
7) 2-Methylnaphthalene	12.07	142	41	0.00	ng	# 41
10) Acenaphthylene	13.52	152	186	0.01	ng	# 1
11) Acenaphthene	14.26	154	218	0.01	ng	# 14
12) Fluorene	15.32	166	36	0.00	ng	# 61
14) Hexachlorobenzene	15.92	284	326	0.05	ng	# 1
15) Pentachlorophenol	16.68	266	55	0.40	ng	# 68
16) Phenanthrene	17.13	178	167	0.01	ng	# 98
17) Anthracene	17.13	178	161	0.01	ng	# 92
18) Fluoranthene	19.08	202	144	0.00	ng	# 90
20) Pyrene	19.44	202	140	0.00	ng	# 92
22) Benzo(a)anthracene	21.20	228	506	0.02	ng	# 83
23) Chrysene	21.24	228	236	0.01	ng	# 66
24) Indeno(1,2,3-cd)pyrene	25.57	276	901	0.03	ng	# 99
26) Benzo(b)fluoranthene	22.73	252	278	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.78	252	268	0.01	ng	# 1
28) Benzo(a)pyrene	23.29	252	275	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	1027	0.05	ng	# 53
30) Benzo(g,h,i)perylene	26.24	276	498	0.02	ng	# 62

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

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Quant Time: Apr 09 03:48:40 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



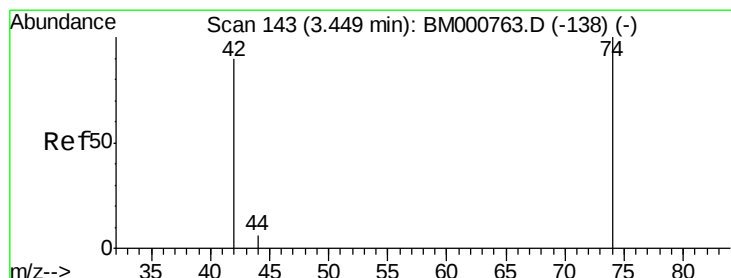
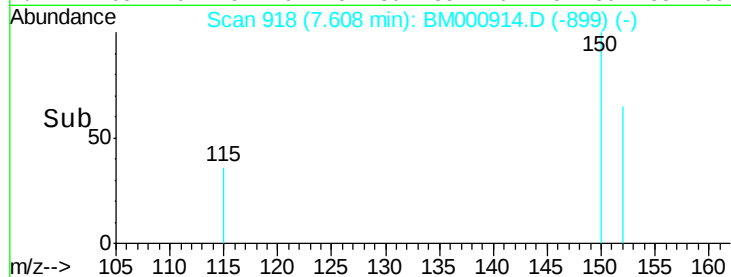
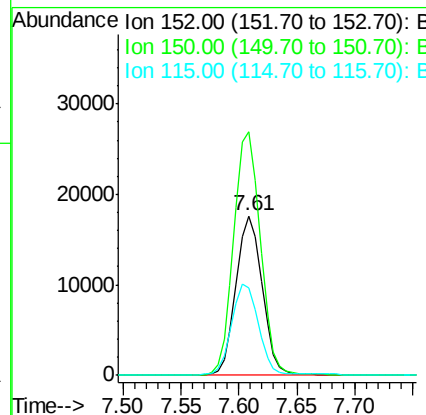
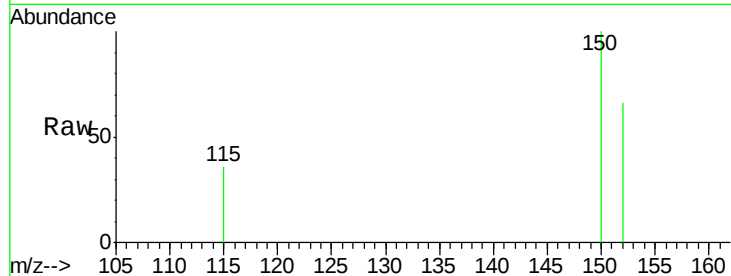


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 918
Delta R.T. 0.00 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

Instrument :
BNA_M
ClientSampleId :
MW-1

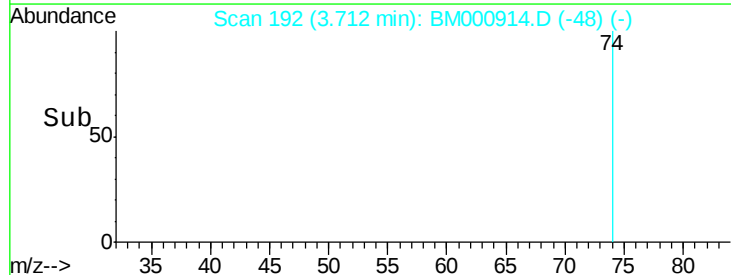
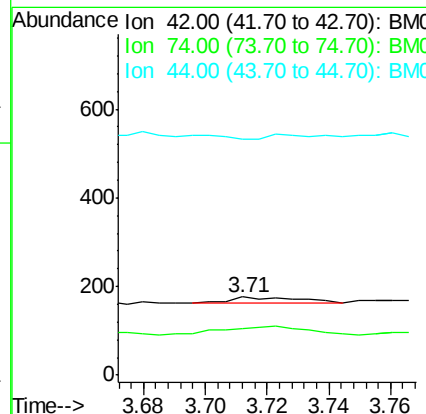
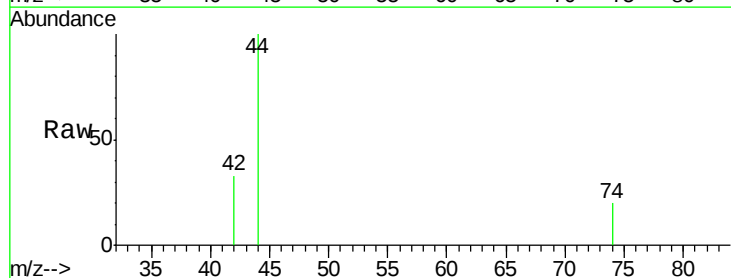
Tgt Ion: 152 Resp: 27513
Ion Ratio Lower Upper
152 100
150 152.7 120.8 181.2
115 54.7 42.7 64.1



#3

n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.71 min Scan# 192
Delta R.T. 0.27 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

Tgt Ion: 42 Resp: 24
Ion Ratio Lower Upper
42 100
74 137.5 93.6 140.4
44 41.7 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

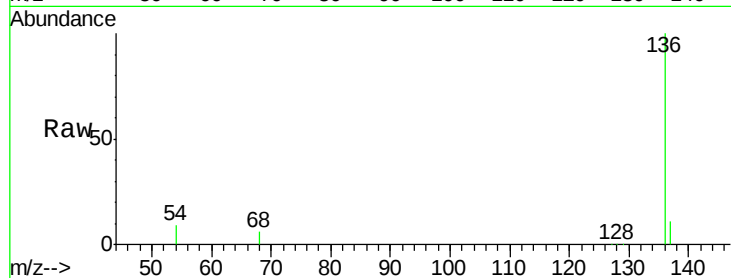
Tgt Ion: 136 Resp: 95091

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

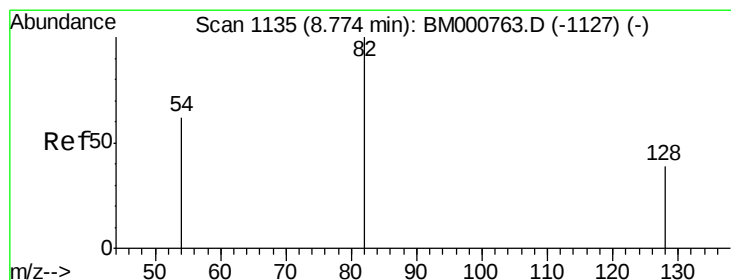
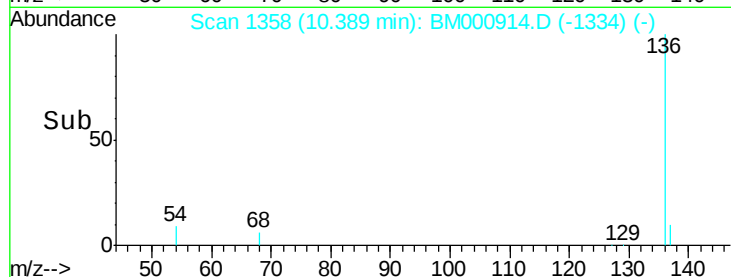
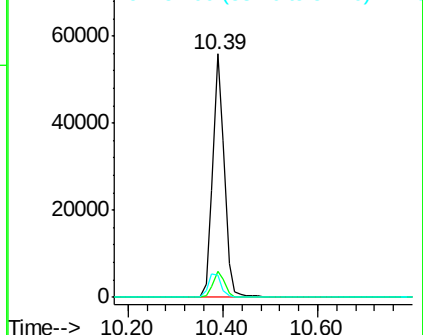
54 9.3 7.0 10.6



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: 6.68 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

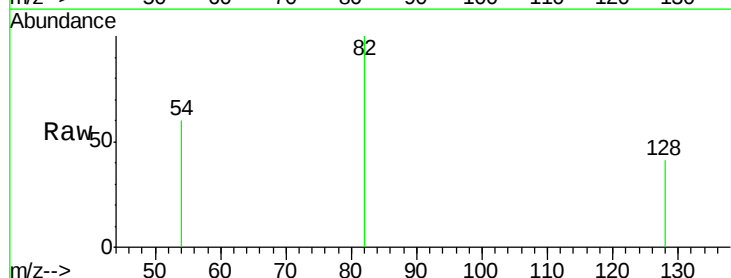
Tgt Ion: 82 Resp: 38814

Ion Ratio Lower Upper

82 100

128 40.7 32.2 48.2

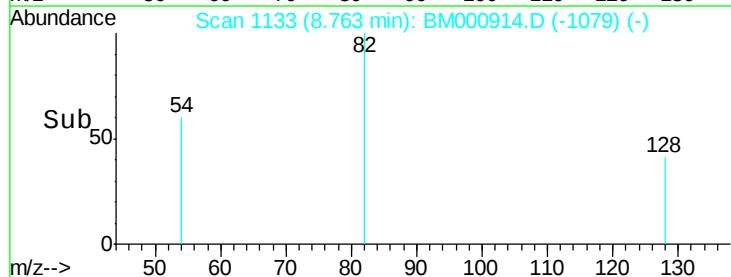
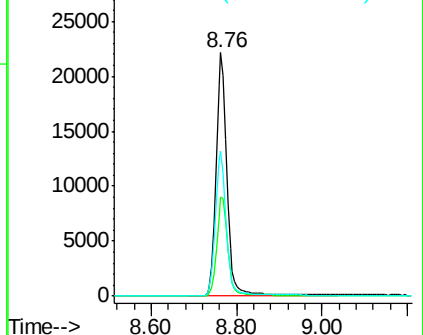
54 59.8 50.2 75.4



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: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

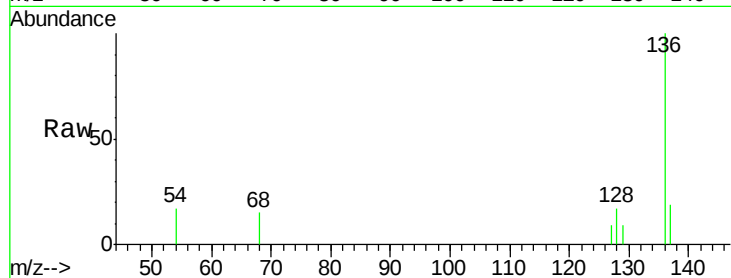
Tgt Ion:128 Resp: 96

Ion Ratio Lower Upper

128 100

129 55.2 8.9 13.3#

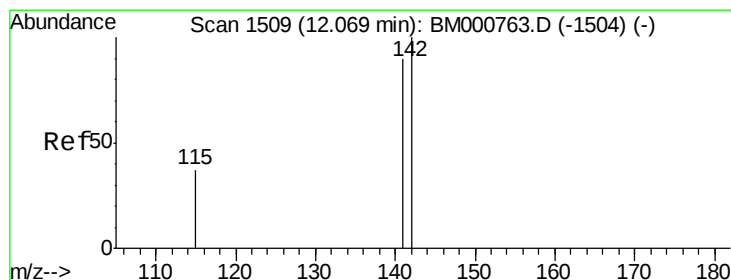
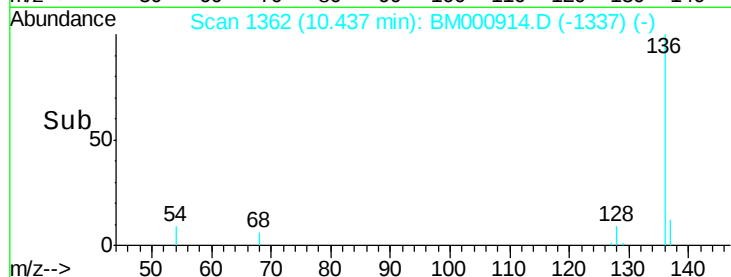
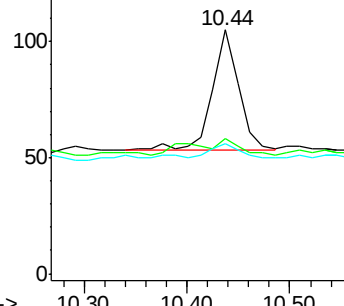
127 53.3 10.0 15.0#



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: BM000914.D

Acq: 08 Apr 2015 18:01

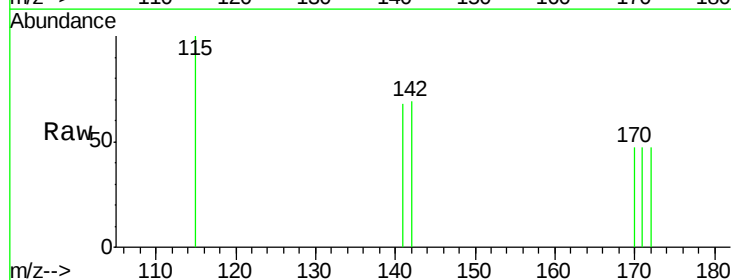
Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

142 100

141 98.6 72.3 108.5

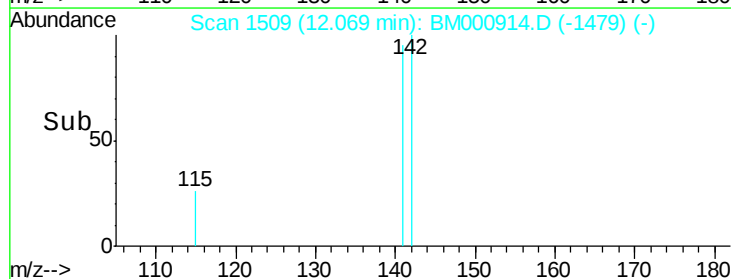
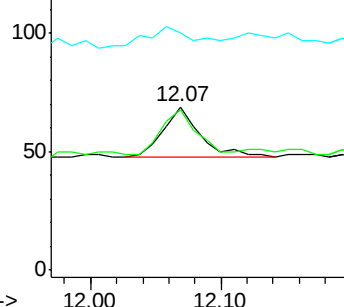
115 144.9 29.5 44.3#



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: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

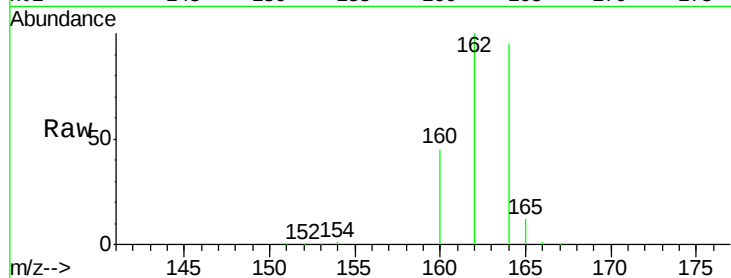
Tgt Ion:164 Resp: 48456

Ion Ratio Lower Upper

164 100

162 104.9 75.4 113.2

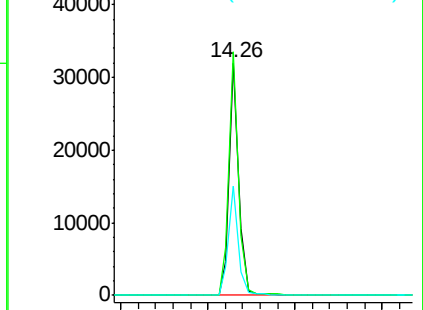
160 47.2 30.8 46.2#



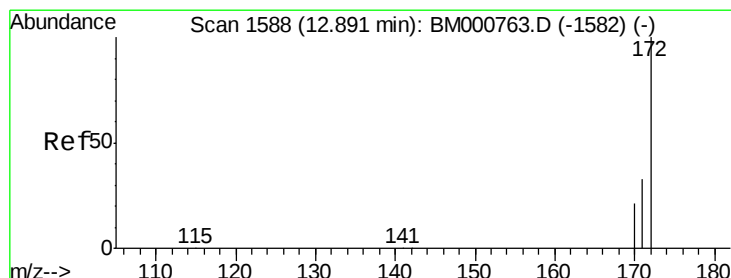
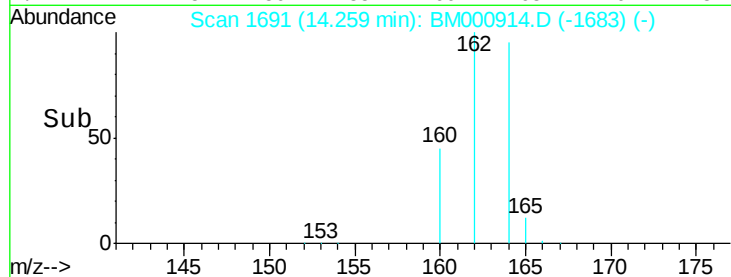
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.00 14.20 14.40 14.60



#9

2-Fluorobiphenyl

Concen: 8.11 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

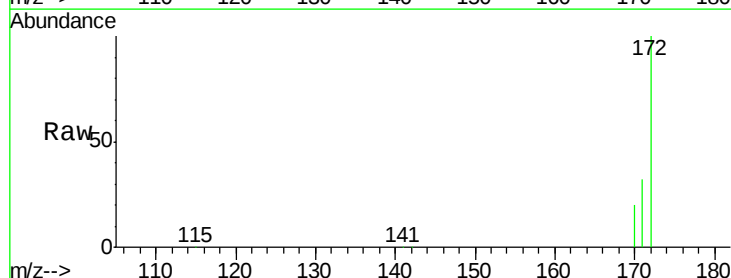
Tgt Ion:172 Resp: 121866

Ion Ratio Lower Upper

172 100

171 32.5 26.6 39.8

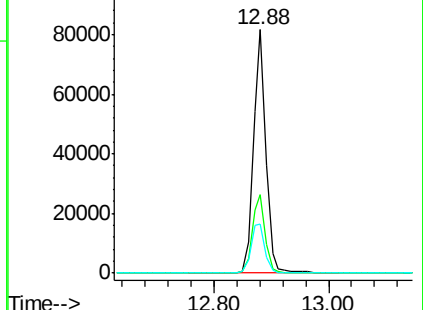
170 20.1 17.1 25.7



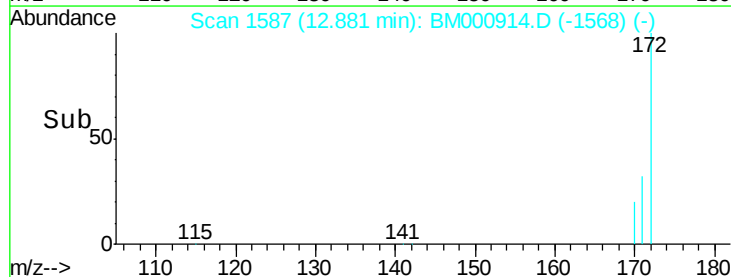
Abundance Ion 172.00 (171.70 to 172.70): E

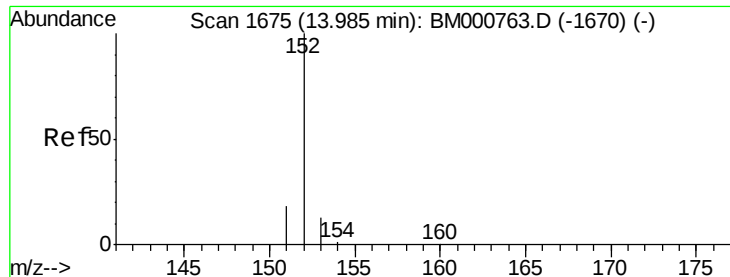
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time--> 12.80 13.00





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.52 min Scan# 1648

Delta R.T. -0.45 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

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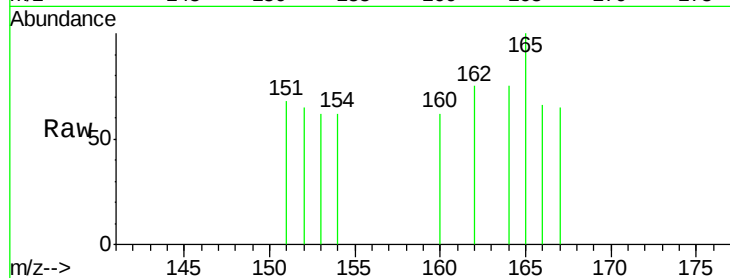
Tgt Ion:152 Resp: 186

Ion Ratio Lower Upper

152 100

151 166.1 15.1 22.7#

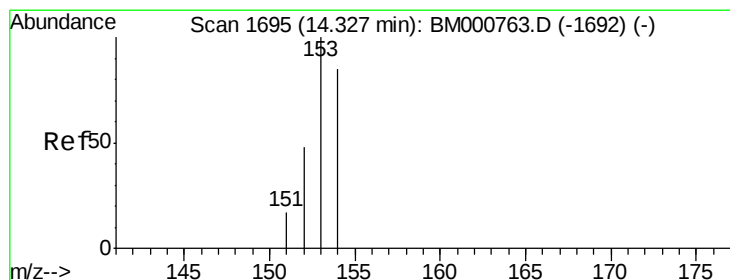
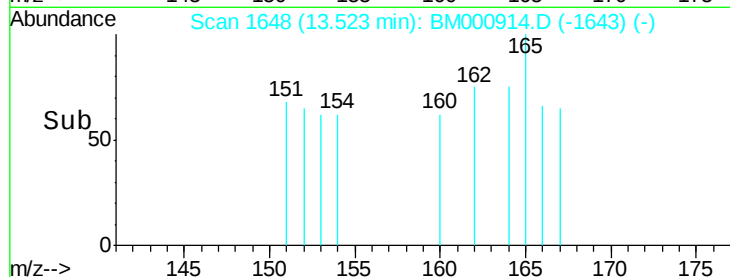
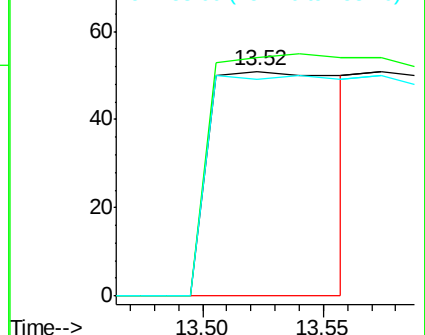
153 0.0 10.2 15.4#



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: BM000914.D

Acq: 08 Apr 2015 18:01

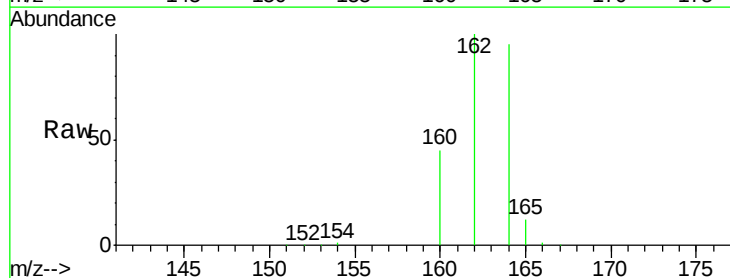
Tgt Ion:154 Resp: 218

Ion Ratio Lower Upper

154 100

153 9.6 87.3 130.9#

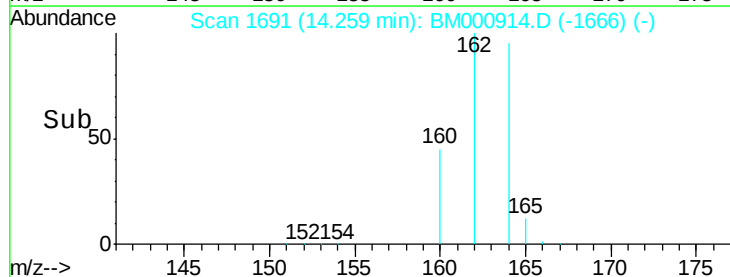
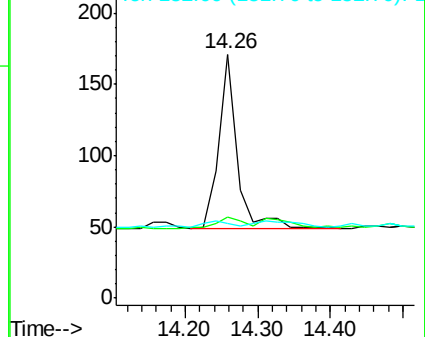
152 5.5 43.0 64.6#



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: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

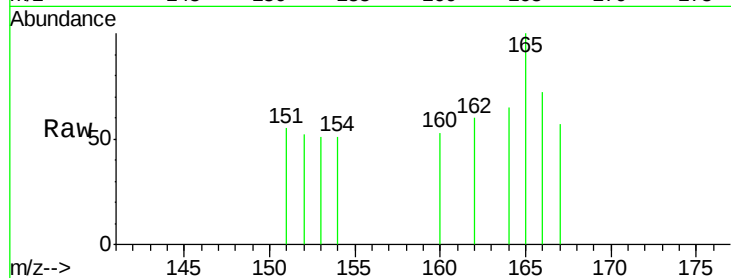
Tgt Ion:166 Resp: 36

Ion Ratio Lower Upper

166 100

165 136.1 78.2 117.2#

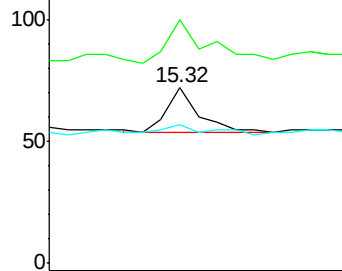
167 30.6 10.7 16.1#



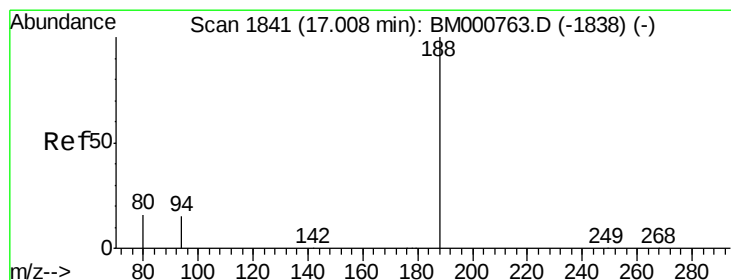
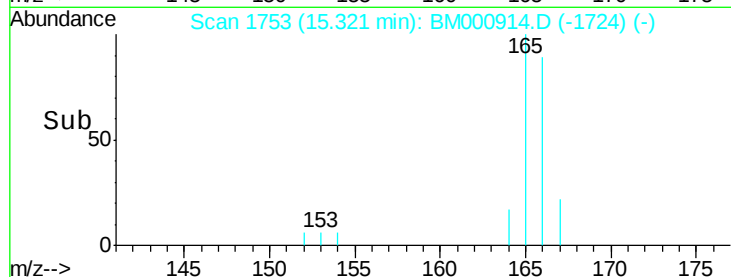
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

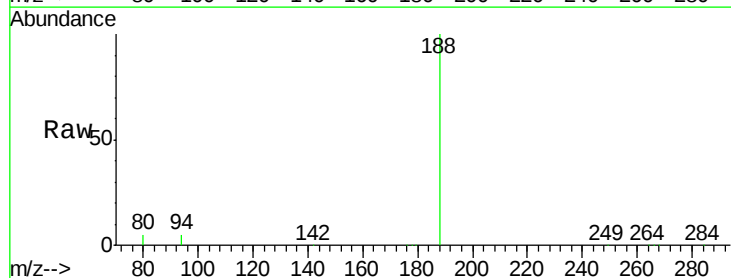
Tgt Ion:188 Resp: 108318

Ion Ratio Lower Upper

188 100

94 5.3 12.0 18.0#

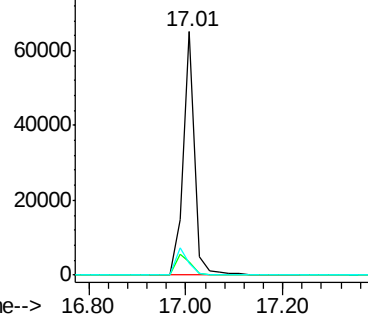
80 4.9 12.8 19.2#



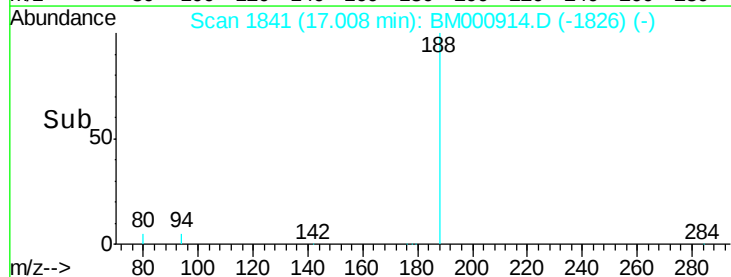
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->

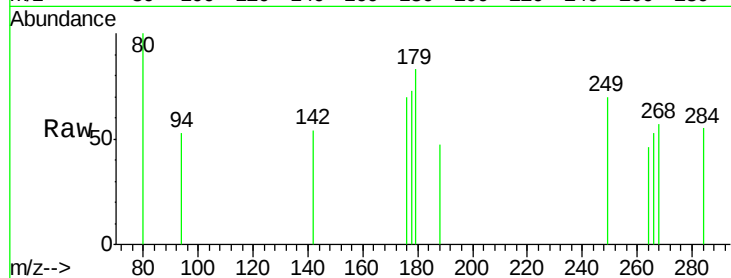




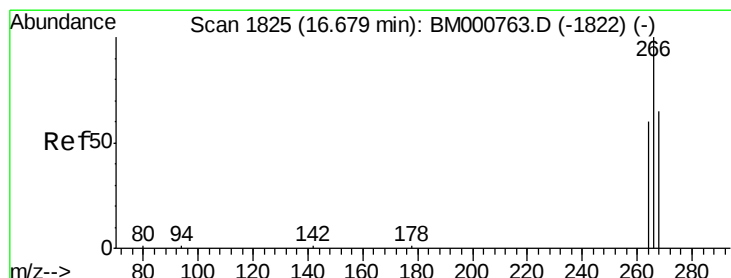
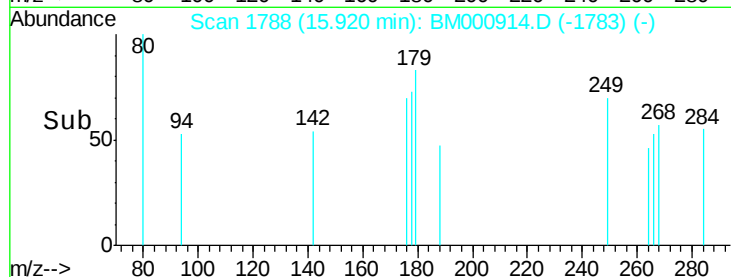
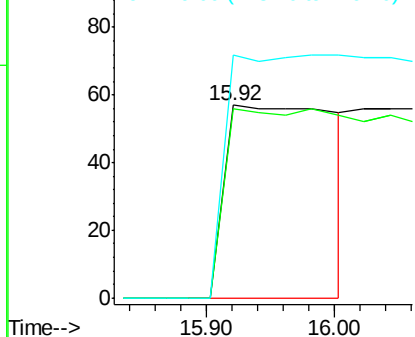
#14
Hexachlorobenzene
Concen: 0.05 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

Instrument :
BNA_M
ClientSampleId :
MW-1

Tgt Ion: 284 Resp: 326
Ion Ratio Lower Upper
284 100
142 117.8 0.0 0.0#
249 286.2 25.2 37.8#

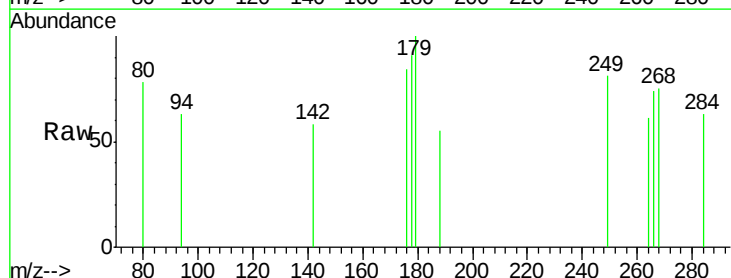


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

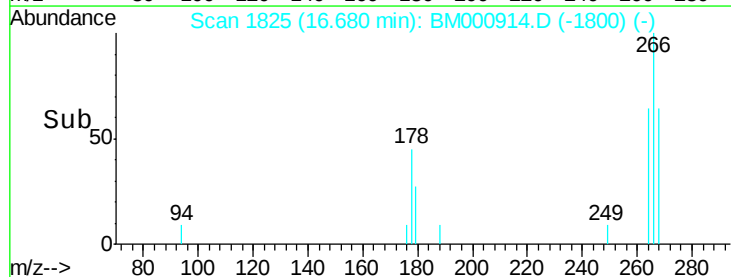
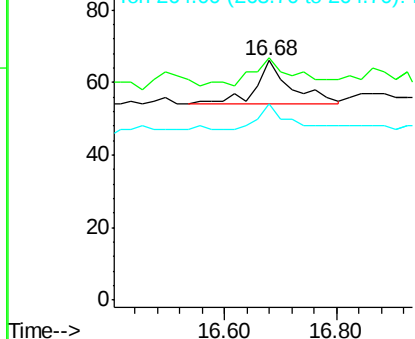


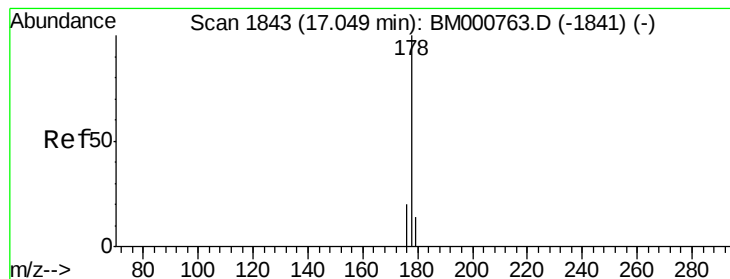
#15
Pentachlorophenol
Concen: 0.40 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

Tgt Ion: 266 Resp: 55
Ion Ratio Lower Upper
266 100
268 101.5 55.0 82.6#
264 81.8 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: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

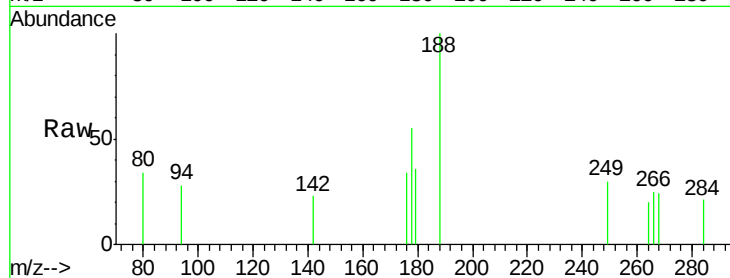
Tgt Ion:178 Resp: 167

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

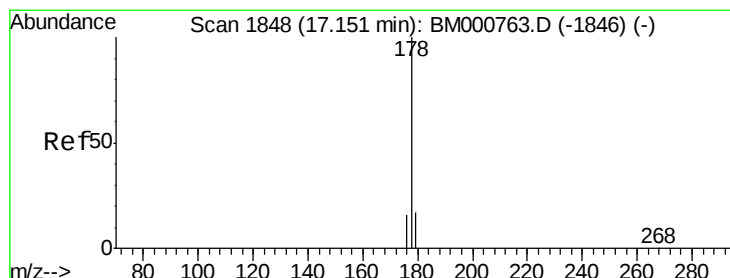
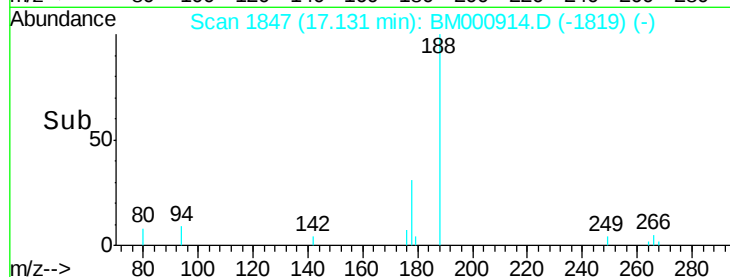
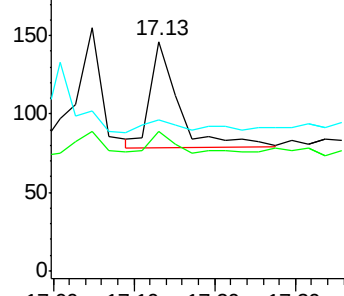
179 15.0 12.2 18.2



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: BM000914.D

Acq: 08 Apr 2015 18:01

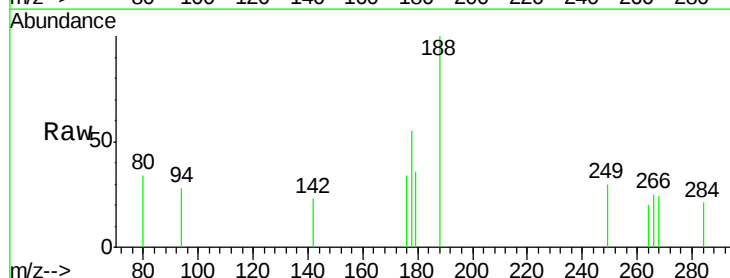
Tgt Ion:178 Resp: 161

Ion Ratio Lower Upper

178 100

176 24.2 14.6 22.0#

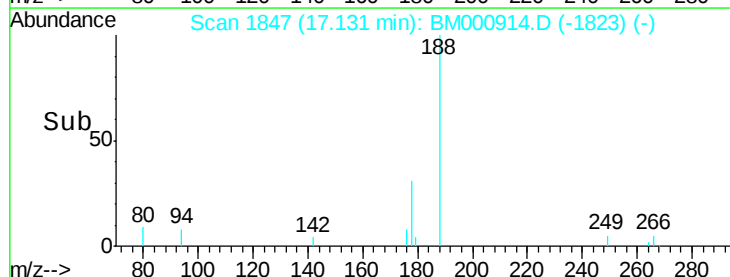
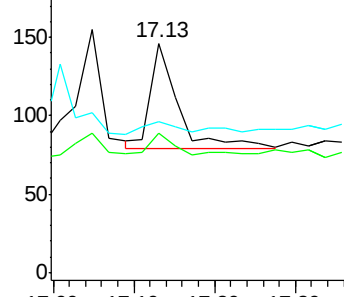
179 15.5 12.2 18.4



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

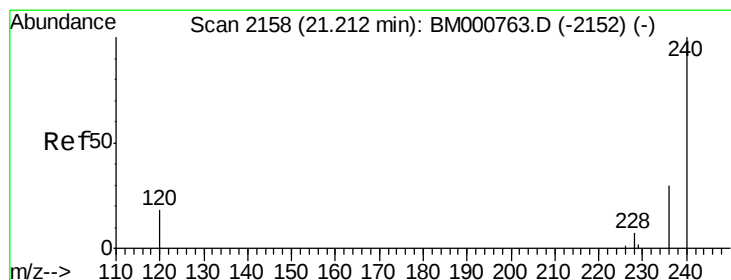
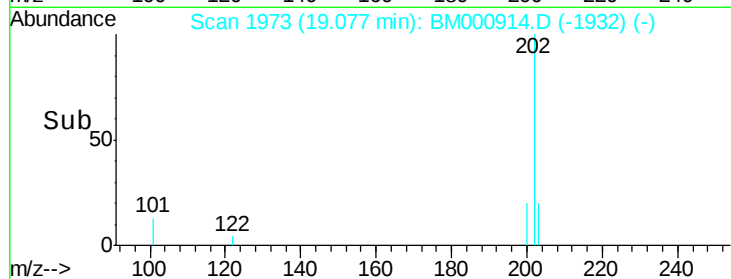
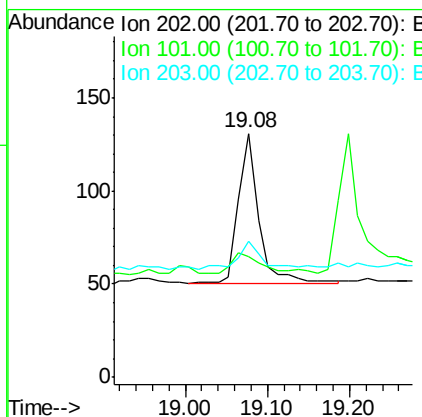
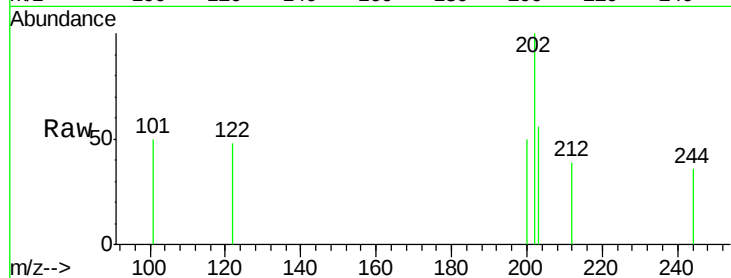




#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000914.D
 Acq: 08 Apr 2015 18:01

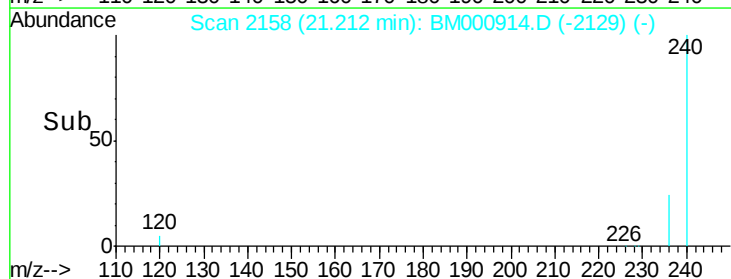
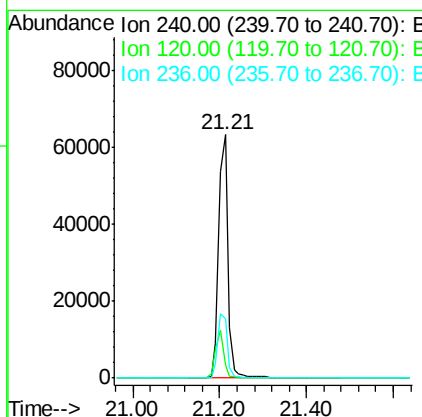
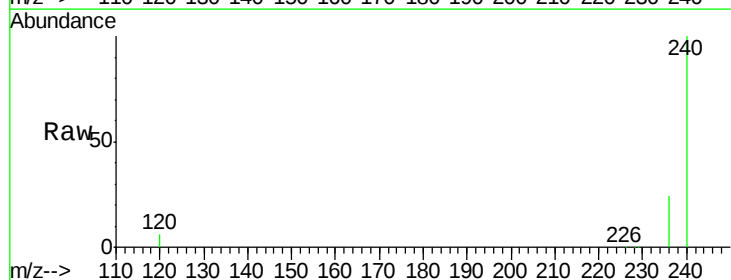
Instrument :
 BNA_M
 ClientSampleId :
 MW-1

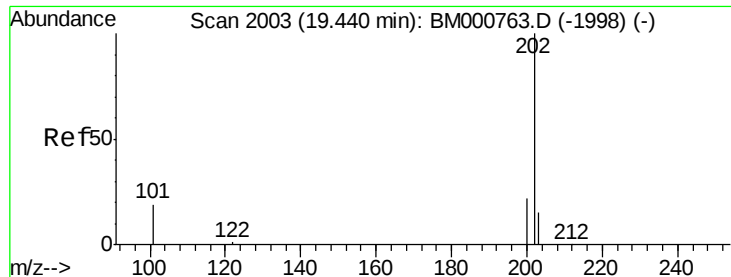
Tgt Ion: 202 Resp: 144
 Ion Ratio Lower Upper
 202 100
 101 16.7 10.5 15.7#
 203 22.2 13.8 20.8#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000914.D
 Acq: 08 Apr 2015 18:01

Tgt Ion: 240 Resp: 91756
 Ion Ratio Lower Upper
 240 100
 120 5.6 14.9 22.3#
 236 24.3 24.2 36.4

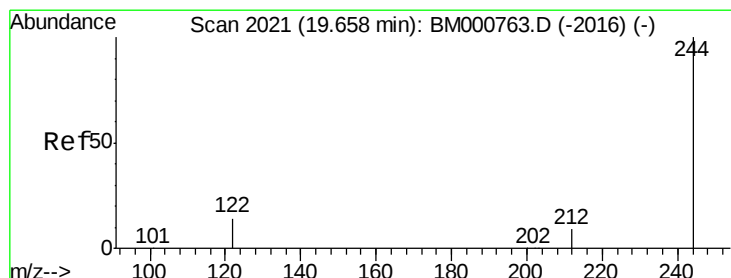
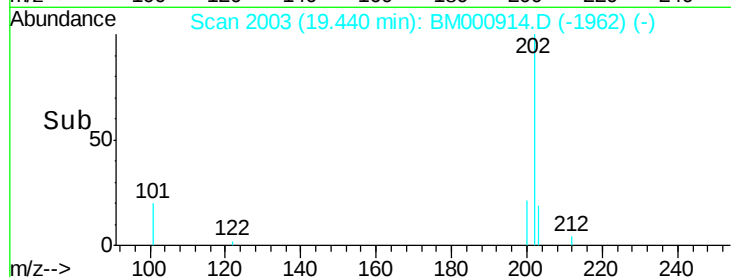
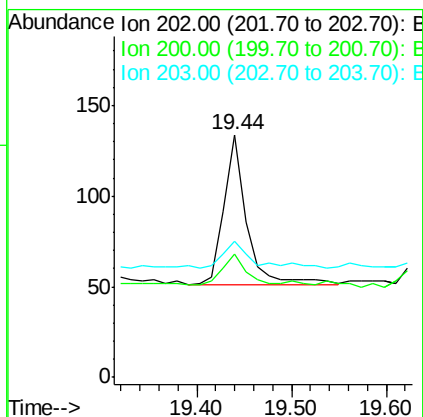
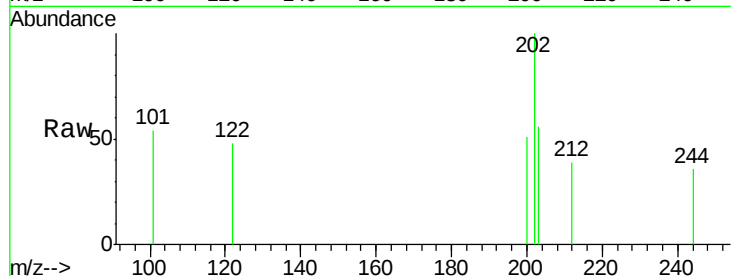




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

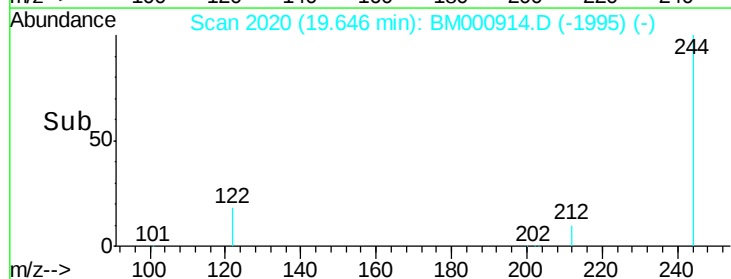
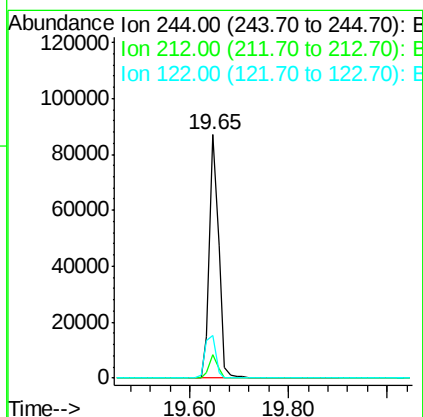
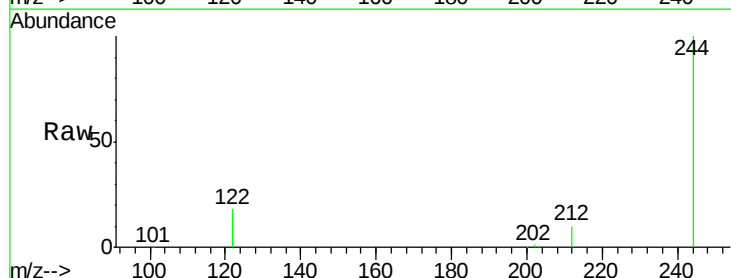
Instrument :
BNA_M
ClientSampleId :
MW-1

Tgt Ion: 202 Resp: 140
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 24.3 13.9 20.9#



#21
Terphenyl-d14
Concen: 10.29 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000914.D
Acq: 08 Apr 2015 18:01

Tgt Ion: 244 Resp: 113660
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 17.7 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: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

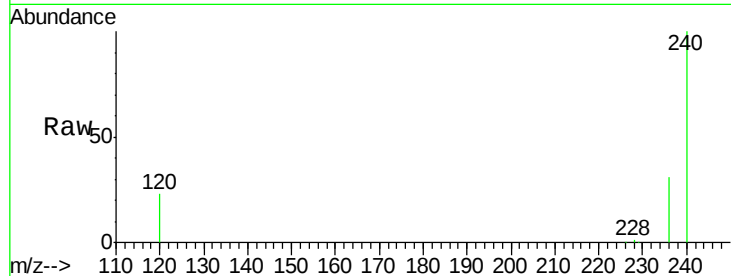
Tgt Ion:228 Resp: 506

Ion Ratio Lower Upper

228 100

226 24.8 18.6 27.8

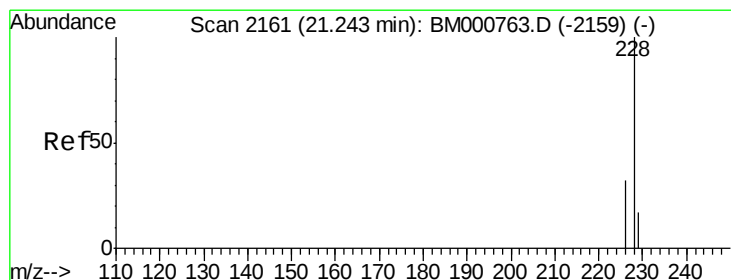
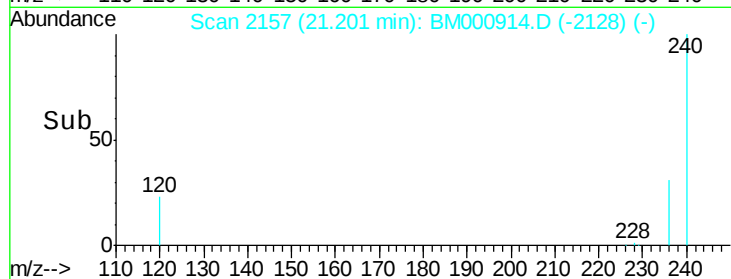
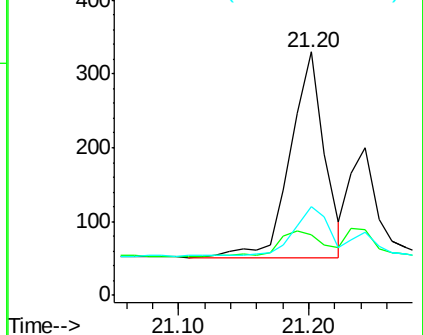
229 36.7 17.2 25.8#



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: 0.01 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

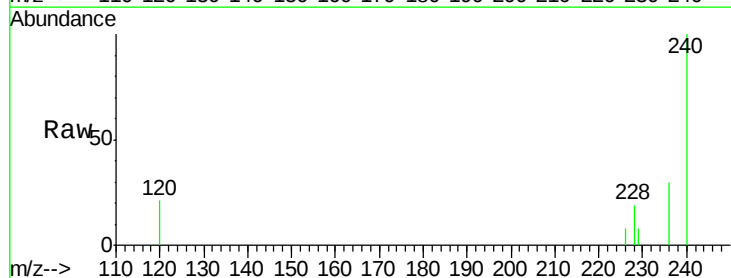
Tgt Ion:228 Resp: 236

Ion Ratio Lower Upper

228 100

226 44.5 25.8 38.8#

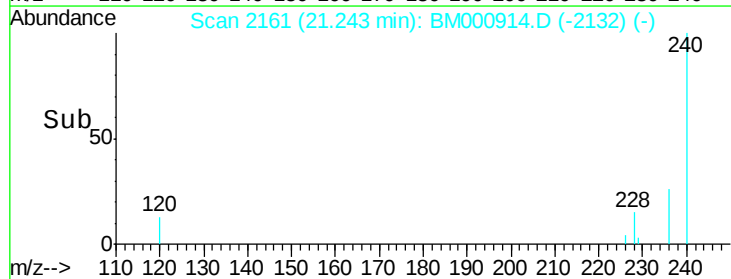
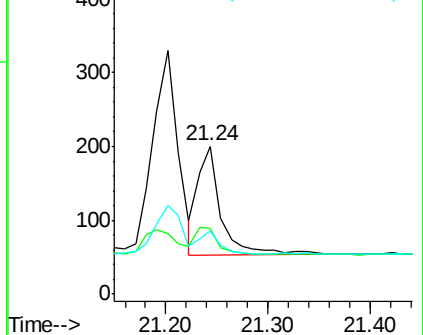
229 42.5 13.8 20.6#



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: 0.03 ng

RT: 25.57 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM000914.D

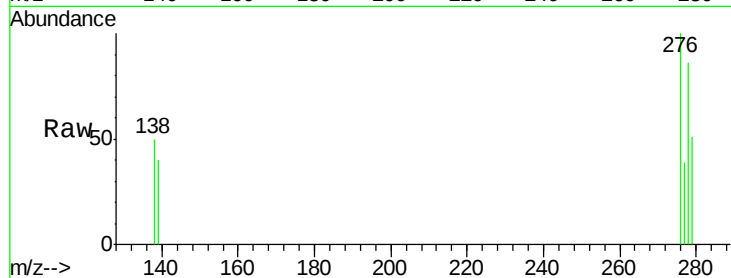
Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1



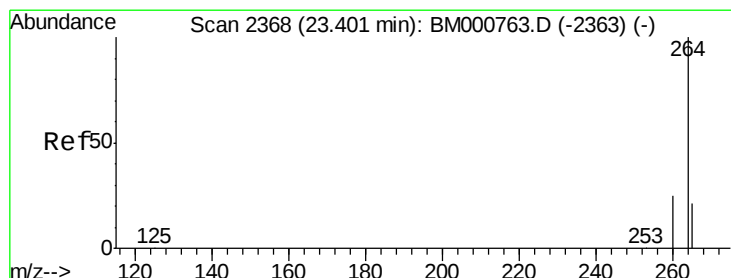
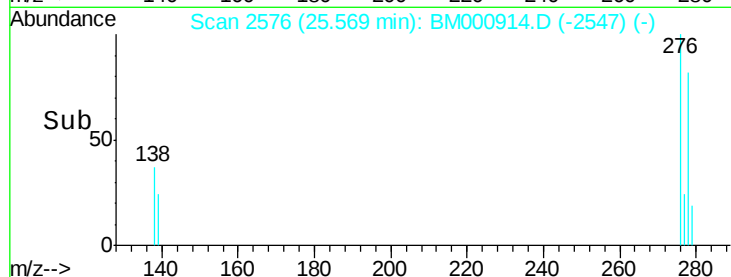
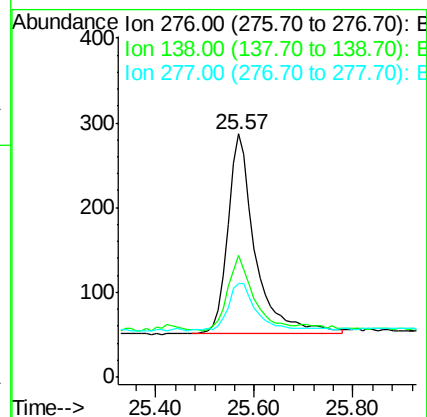
Tgt Ion:276 Resp: 901

Ion Ratio Lower Upper

276 100

138 34.9 27.4 41.2

277 24.0 19.7 29.5



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

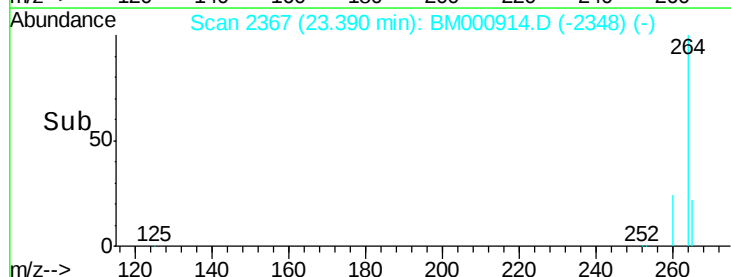
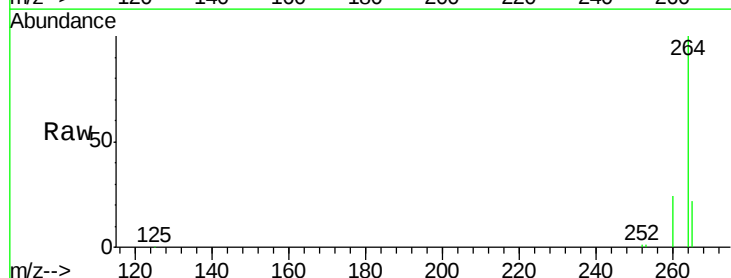
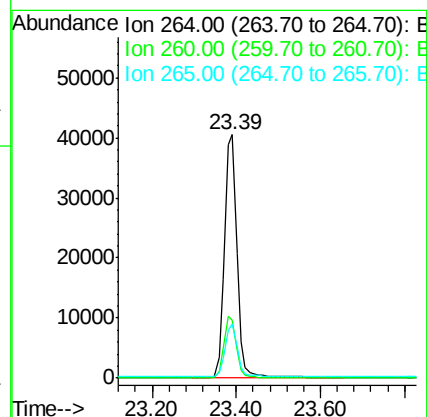
Tgt Ion:264 Resp: 83106

Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

265 22.5 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 22.73 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

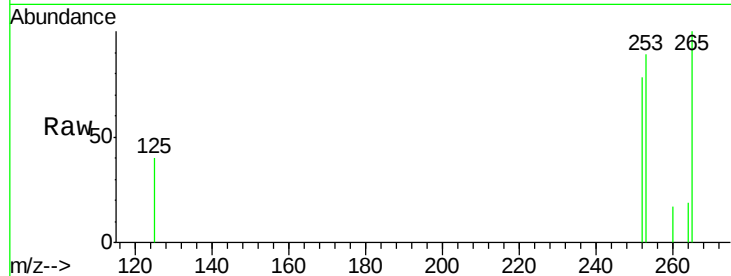
Tgt Ion:252 Resp: 278

Ion Ratio Lower Upper

252 100

253 114.0 18.5 27.7#

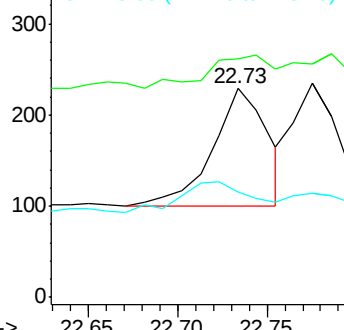
125 50.7 10.6 16.0#



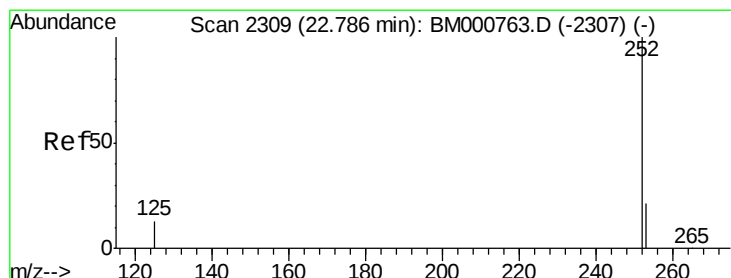
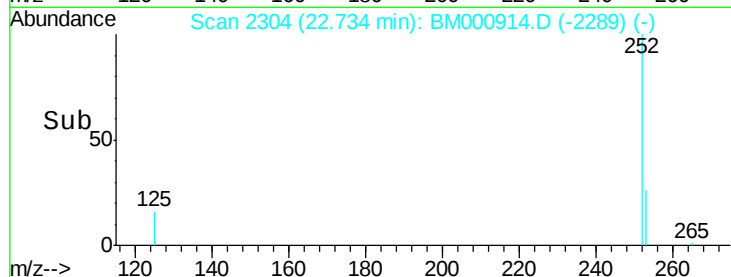
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#27

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.78 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

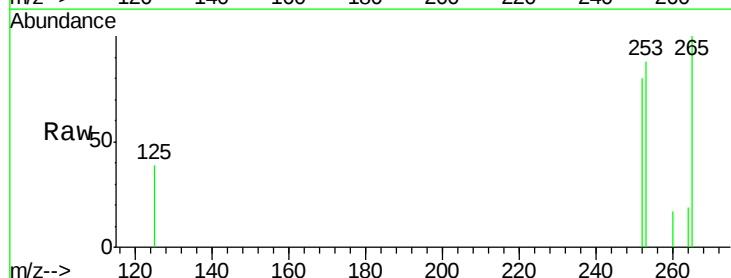
Tgt Ion:252 Resp: 268

Ion Ratio Lower Upper

252 100

253 108.9 17.9 26.9#

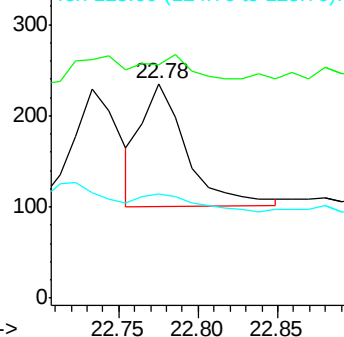
125 48.5 10.8 16.2#



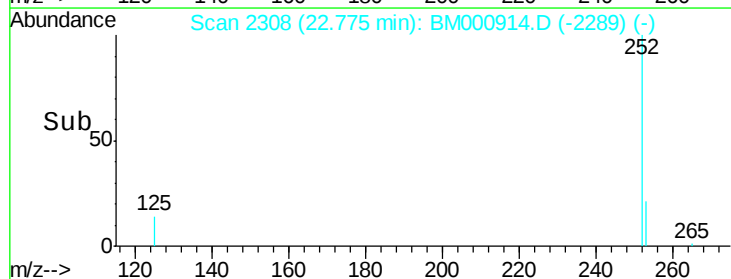
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#28

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

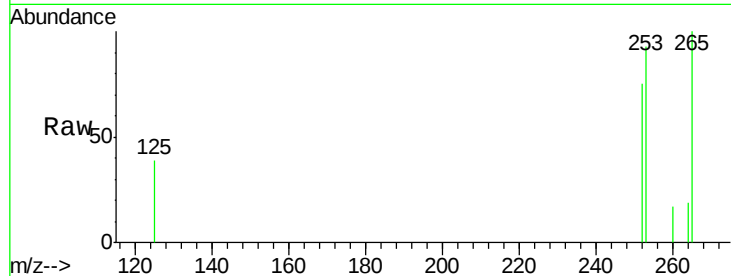
Tgt Ion:252 Resp: 275

Ion Ratio Lower Upper

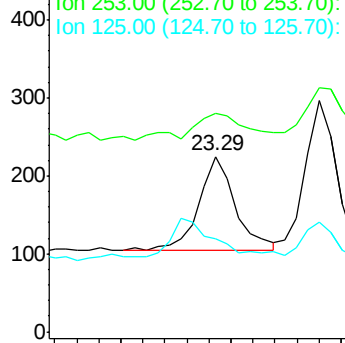
252 100

253 124.4 19.4 29.2#

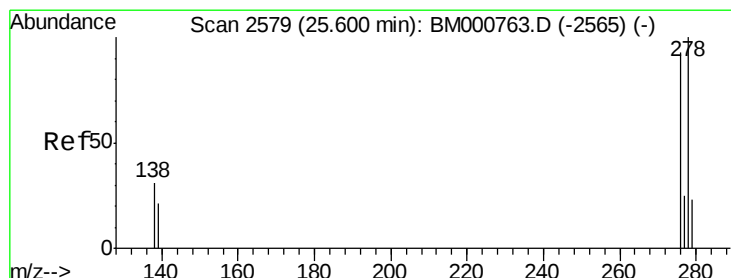
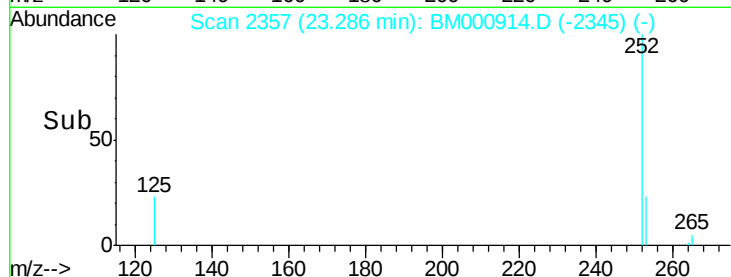
125 52.9 11.5 17.3#



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



Time-->



#29

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

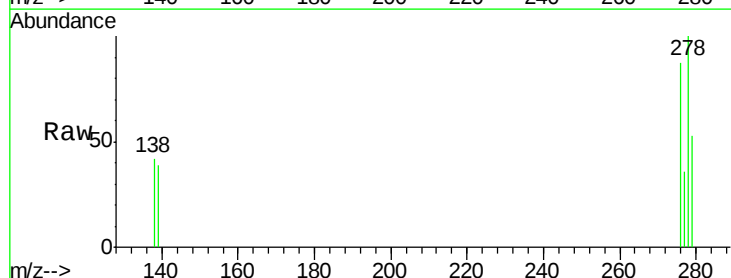
Tgt Ion:278 Resp: 1027

Ion Ratio Lower Upper

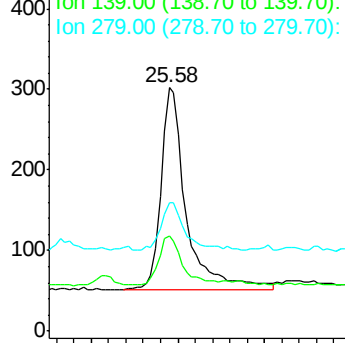
278 100

139 39.1 17.8 26.6#

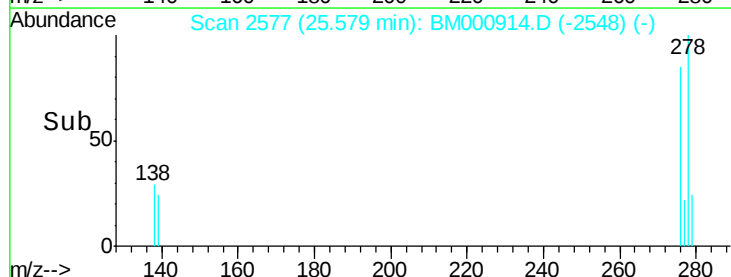
279 52.6 19.3 28.9#



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



Time-->





#30

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.24 min Scan# 2640

Delta R.T. 0.01 min

Lab File: BM000914.D

Acq: 08 Apr 2015 18:01

Instrument :

BNA_M

ClientSampleId :

MW-1

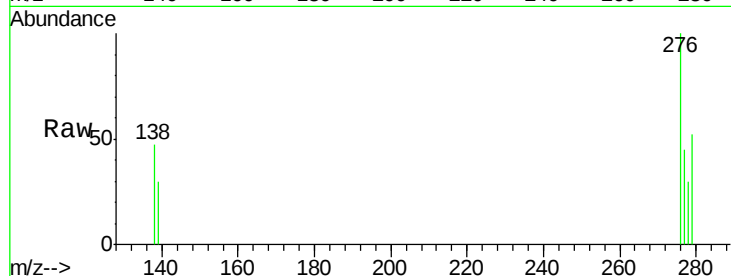
Tgt Ion: 276 Resp: 498

Ion Ratio Lower Upper

276 100

277 44.6 19.1 28.7#

138 47.2 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

200

150

100

50

0

26.00

26.20

26.40

Time-->

