

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000916.D
 Acq On : 08 Apr 2015 19:12
 Operator : TP/IZ
 Sample : G1767-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-3

Quant Time: Apr 09 03:49:39 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	24694	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	85621	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	43598	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	98343	5.00	ng	0.00
19) Chrysene-d12	21.21	240	83467	5.00	ng	0.00
25) Perylene-d12	23.39	264	75901	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	9331	1.93	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	31237	2.31	ng	0.00
21) Terphenyl-d14	19.65	244	27870	2.77	ng	0.00

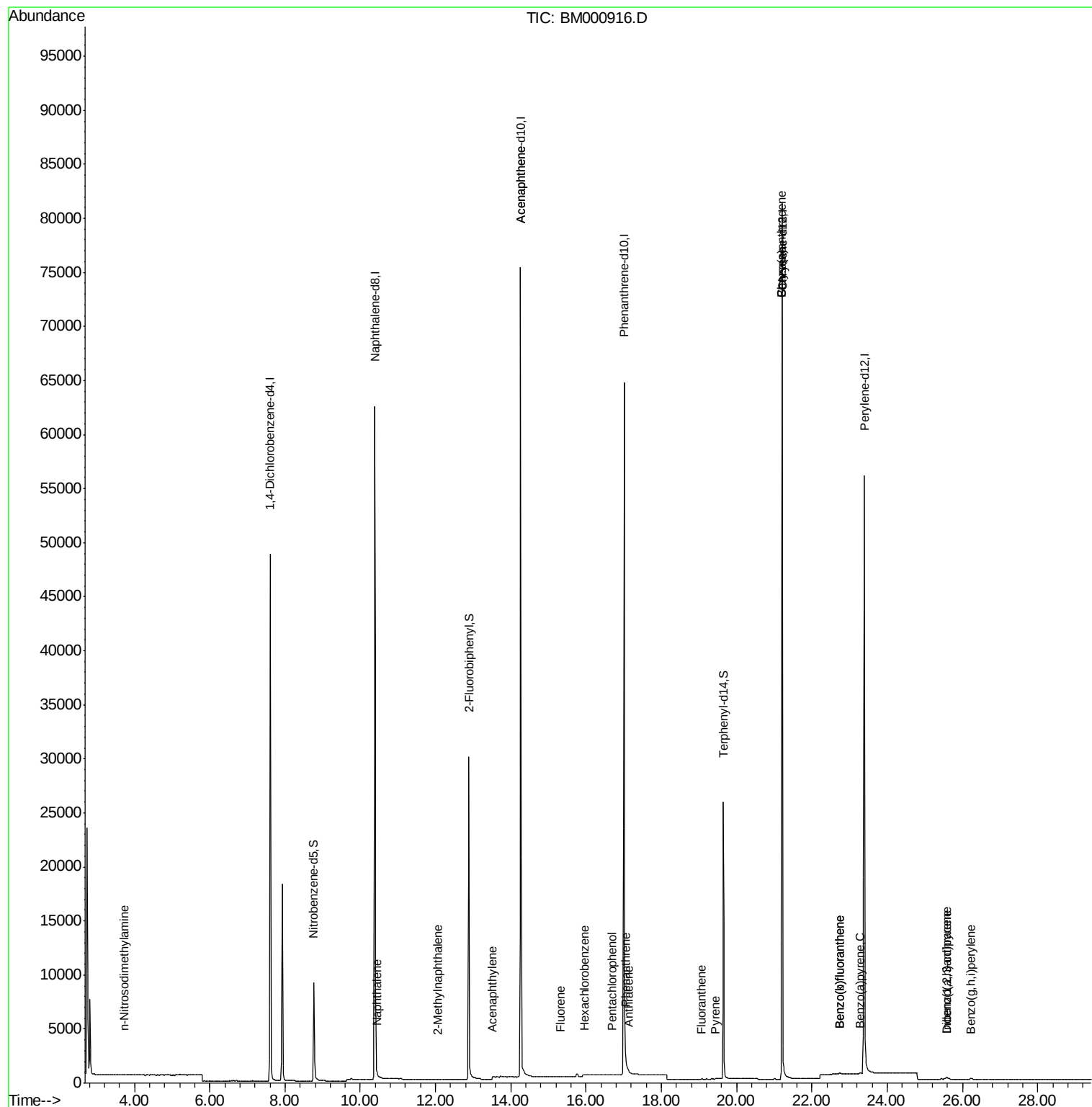
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.72	42	14	0.16	ng	# 89
6) Naphthalene	10.44	128	49	0.00	ng	# 1
7) 2-Methylnaphthalene	12.07	142	16	0.00	ng	# 19
10) Acenaphthylene	13.51	152	135	0.01	ng	# 1
11) Acenaphthene	14.26	154	191	0.01	ng	# 13
12) Fluorene	15.32	166	25	0.00	ng	# 83
14) Hexachlorobenzene	15.96	284	526	0.09	ng	# 43
15) Pentachlorophenol	16.68	266	12	0.37	ng	# 62
16) Phenanthrene	17.05	178	103	0.00	ng	# 67
17) Anthracene	17.13	178	53	0.00	ng	# 55
18) Fluoranthene	19.08	202	54	0.00	ng	# 79
20) Pyrene	19.44	202	49	0.00	ng	# 67
22) Benzo(a)anthracene	21.20	228	419	0.02	ng	# 78
23) Chrysene	21.20	228	419	0.02	ng	# 75
24) Indeno(1,2,3-cd)pyrene	25.58	276	195	0.01	ng	# 90
26) Benzo(b)fluoranthene	22.73	252	82	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.73	252	82	0.00	ng	# 1
28) Benzo(a)pyrene	23.29	252	71	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.59	278	212	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.23	276	124	0.01	ng	# 1

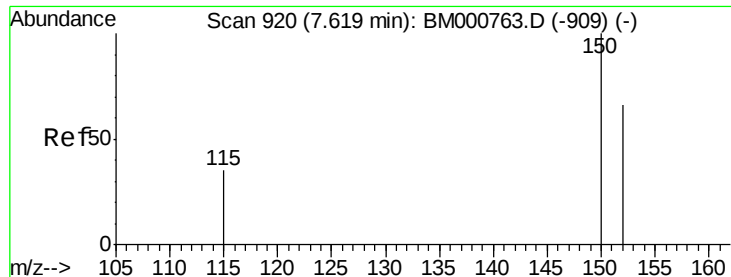
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



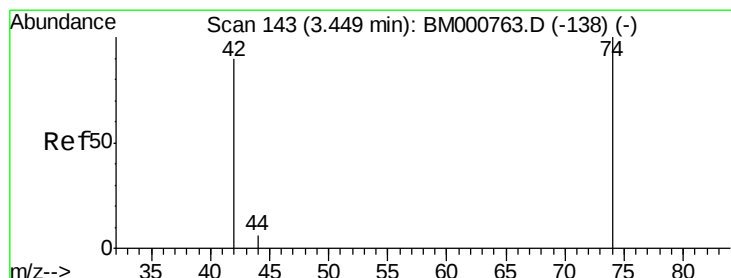
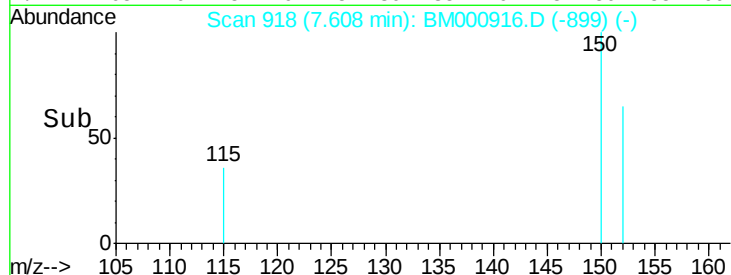
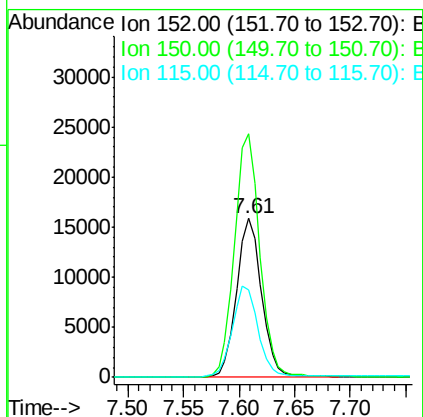
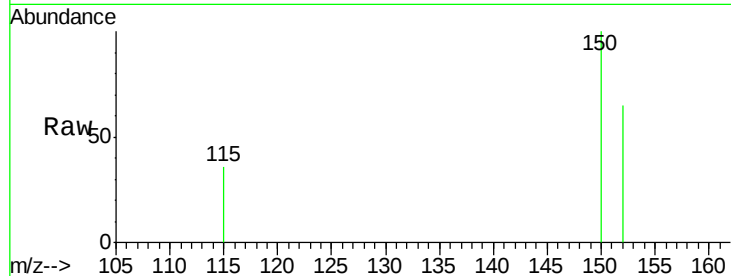


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 918
Delta R.T. 0.00 min
Lab File: BM000916.D
Acq: 08 Apr 2015 19:12

Instrument :
BNA_M
ClientSampleId :
MW-3

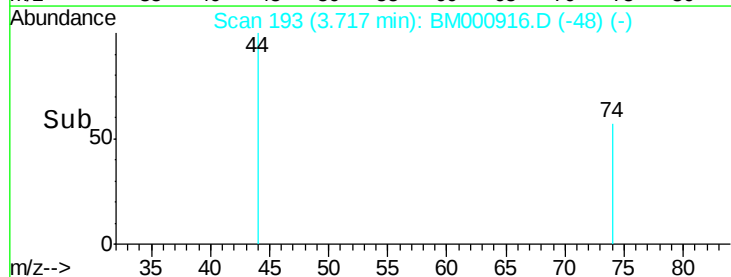
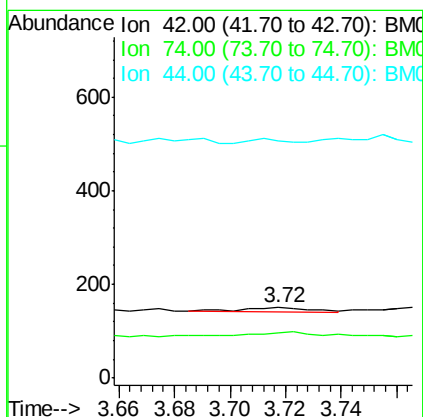
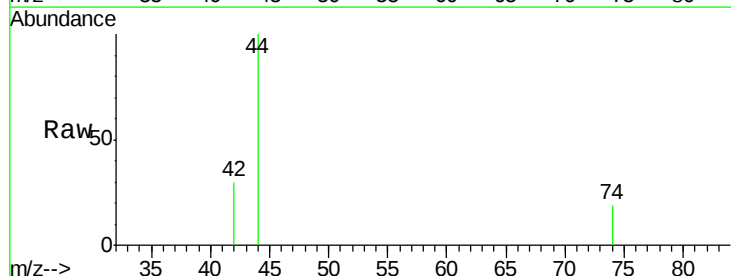
Tgt Ion:152 Resp: 24694
Ion Ratio Lower Upper
152 100
150 153.3 120.8 181.2
115 55.1 42.7 64.1



#3

n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.72 min Scan# 193
Delta R.T. 0.28 min
Lab File: BM000916.D
Acq: 08 Apr 2015 19:12

Tgt Ion: 42 Resp: 14
Ion Ratio Lower Upper
42 100
74 114.3 93.6 140.4
44 57.1 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: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3

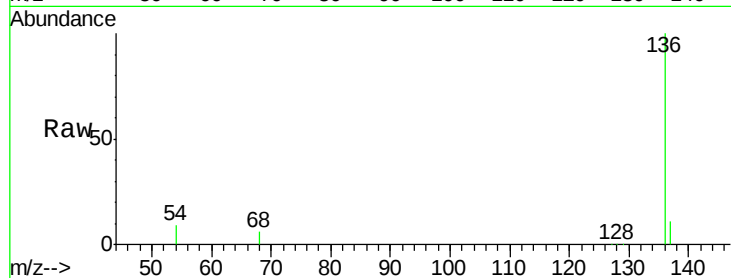
Tgt Ion:136 Resp: 85621

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

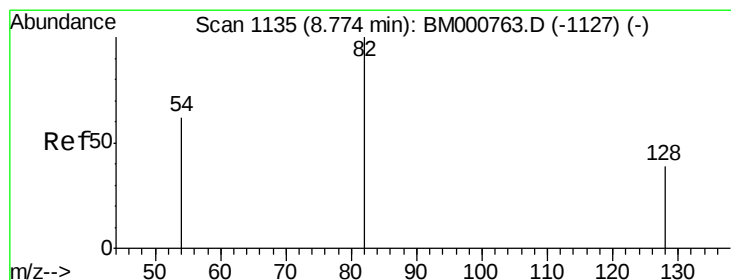
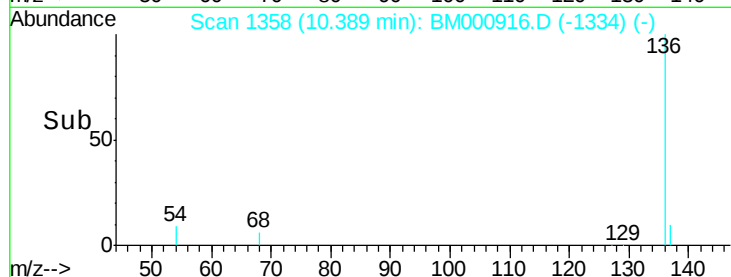
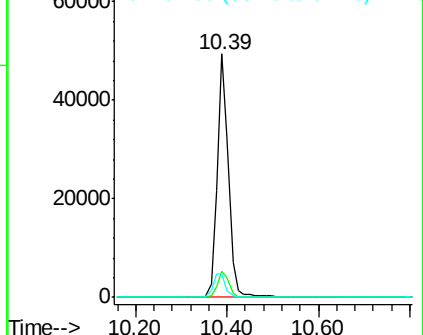
54 9.5 7.0 10.6



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: 1.93 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

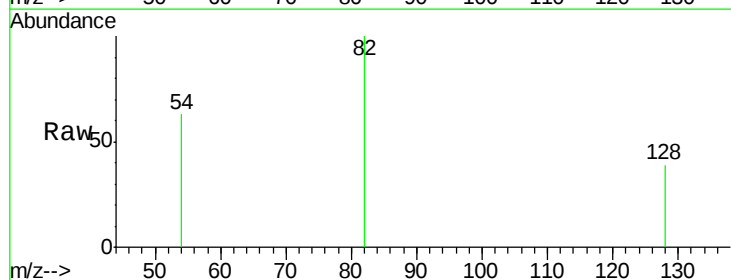
Tgt Ion: 82 Resp: 9331

Ion Ratio Lower Upper

82 100

128 39.3 32.2 48.2

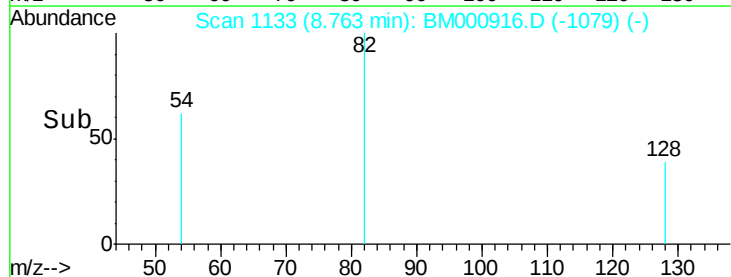
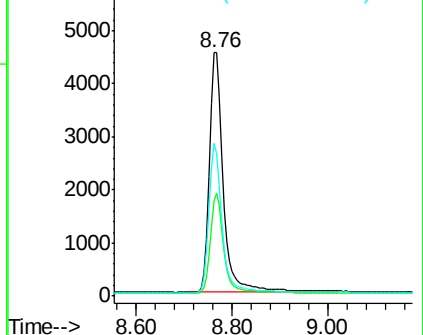
54 62.6 50.2 75.4



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: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3

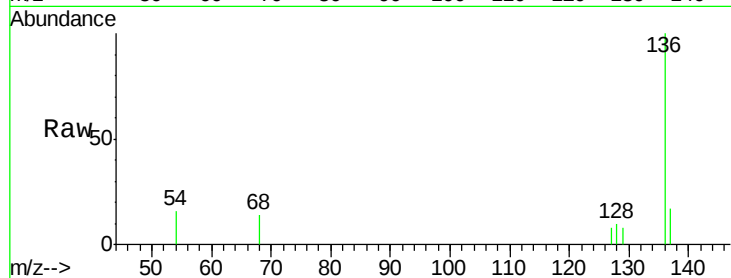
Tgt Ion:128 Resp: 49

Ion Ratio Lower Upper

128 100

129 77.1 8.9 13.3#

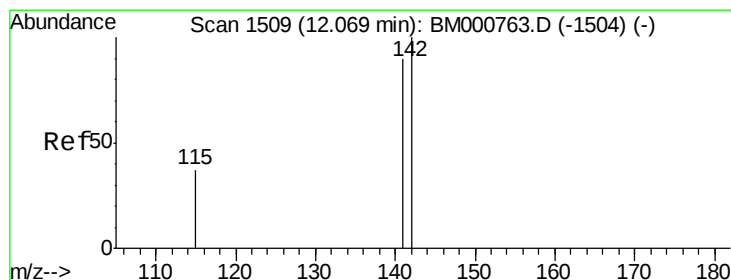
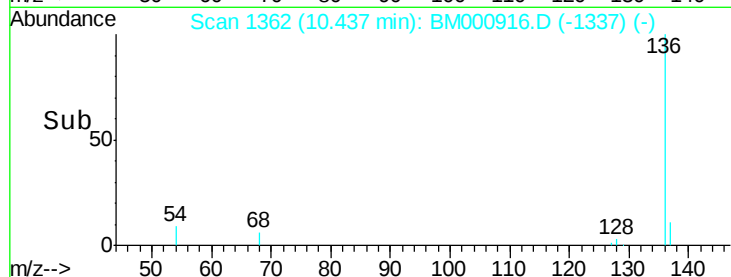
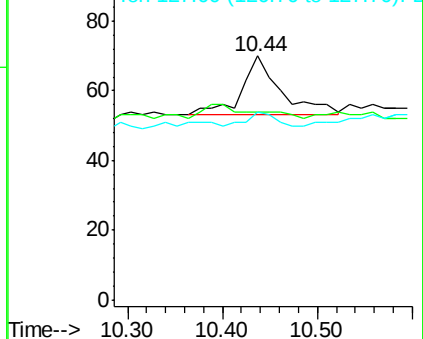
127 77.1 10.0 15.0#



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: BM000916.D

Acq: 08 Apr 2015 19:12

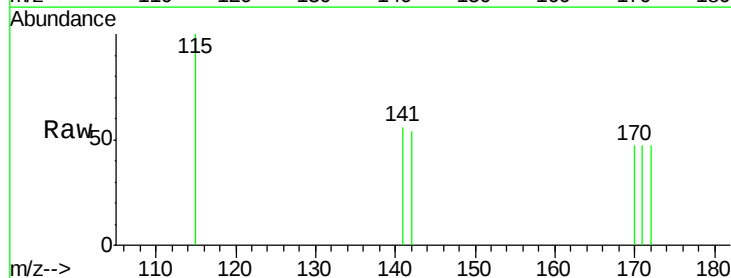
Tgt Ion:142 Resp: 16

Ion Ratio Lower Upper

142 100

141 103.6 72.3 108.5

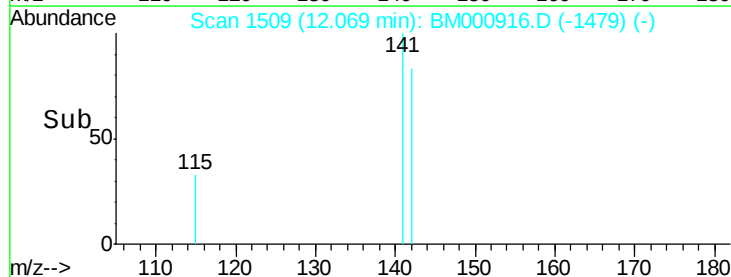
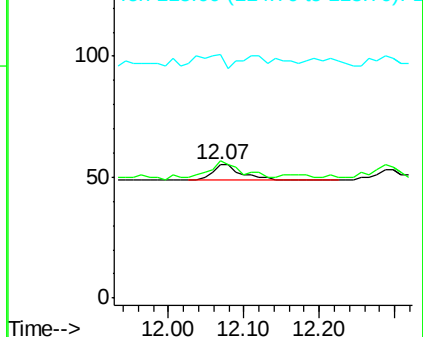
115 183.6 29.5 44.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

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MW-3

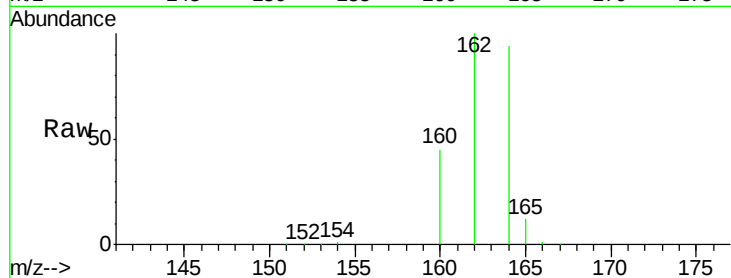
Tgt Ion:164 Resp: 43598

Ion Ratio Lower Upper

164 100

162 105.8 75.4 113.2

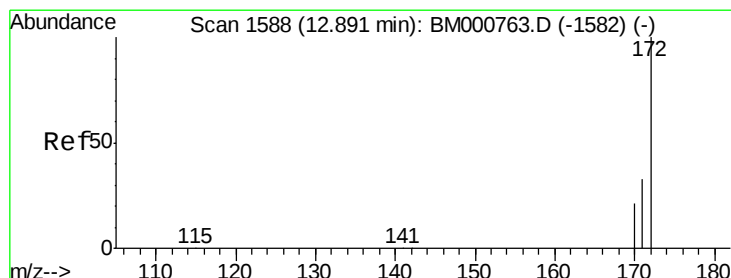
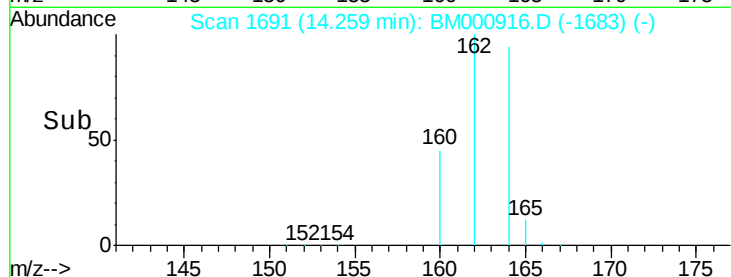
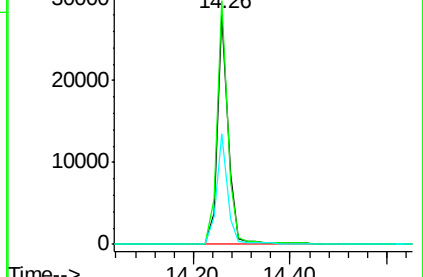
160 48.0 30.8 46.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#9

2-Fluorobiphenyl

Concen: 2.31 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

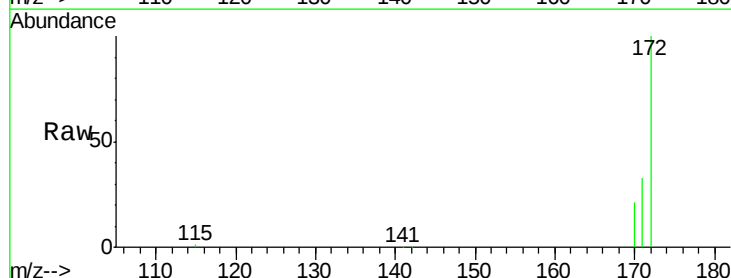
Tgt Ion:172 Resp: 31237

Ion Ratio Lower Upper

172 100

171 33.3 26.6 39.8

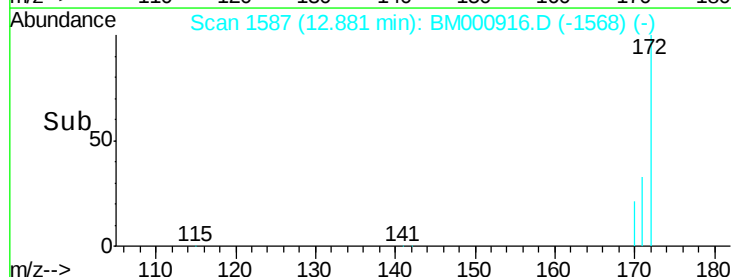
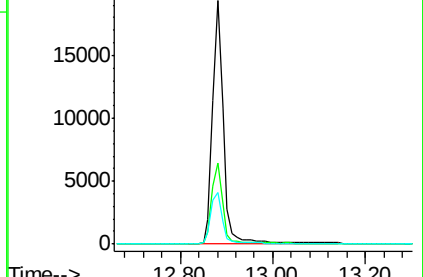
170 21.2 17.1 25.7



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: BM000916.D

Acq: 08 Apr 2015 19:12

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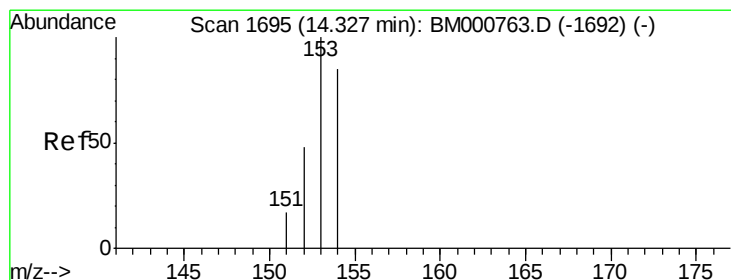
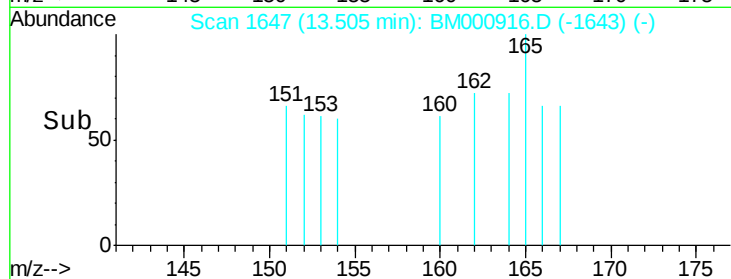
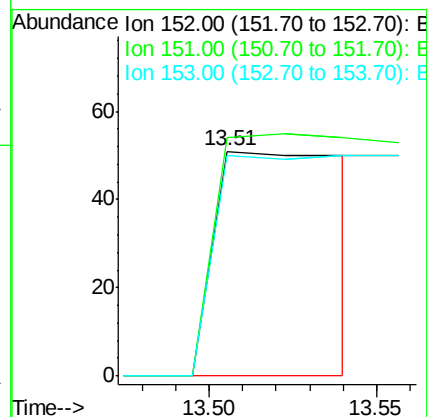
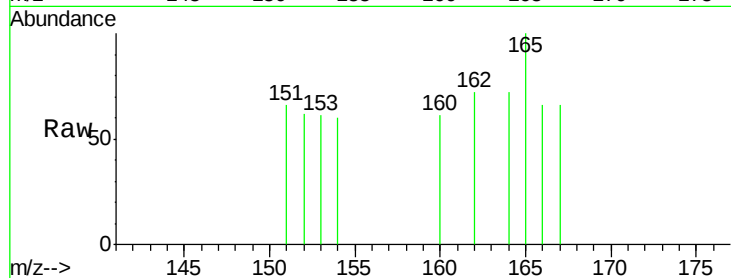
Tgt Ion:152 Resp: 135

Ion Ratio Lower Upper

152 100

151 228.1 15.1 22.7#

153 553.3 10.2 15.4#



#11

Acenaphthene

Concen: 0.01 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

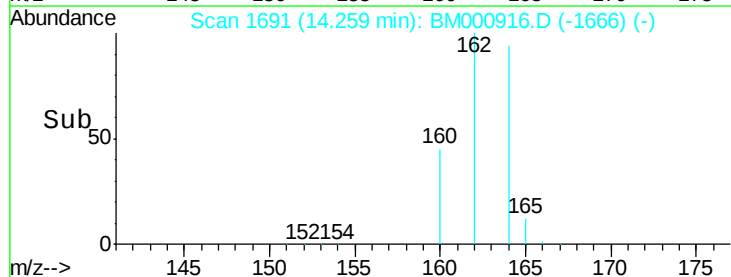
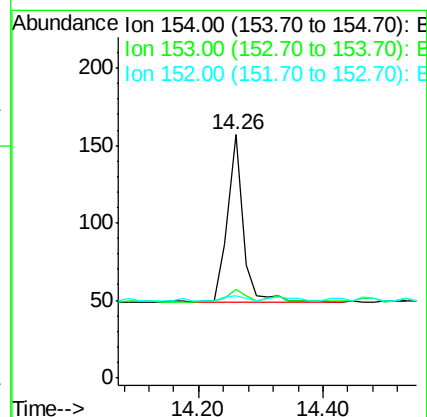
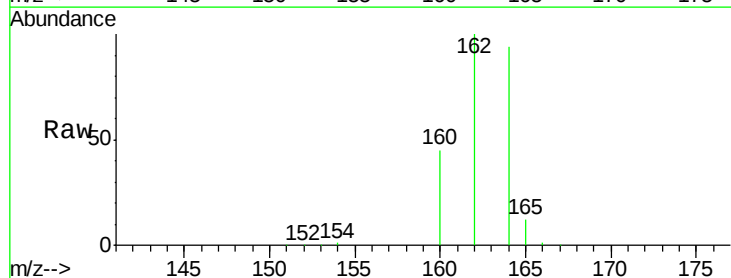
Tgt Ion:154 Resp: 191

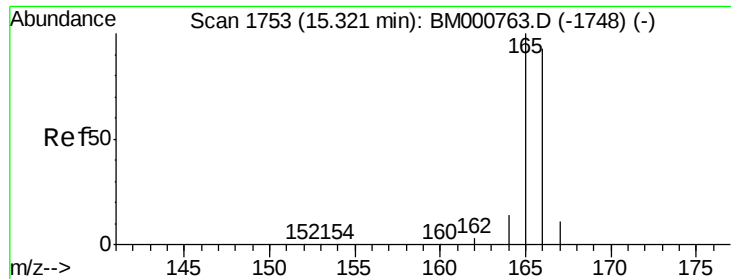
Ion Ratio Lower Upper

154 100

153 8.9 87.3 130.9#

152 3.1 43.0 64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

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ClientSampleId :

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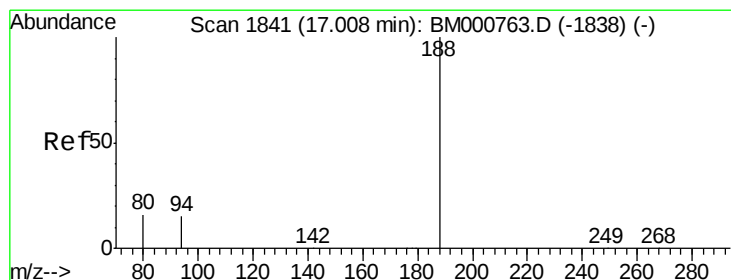
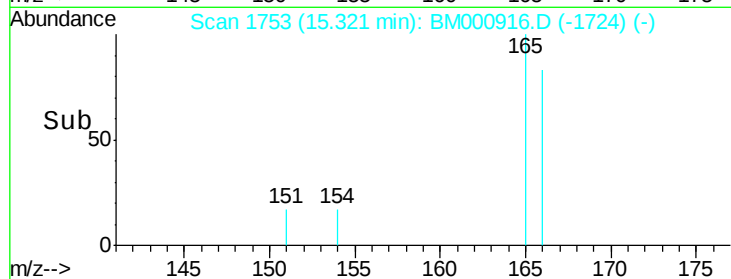
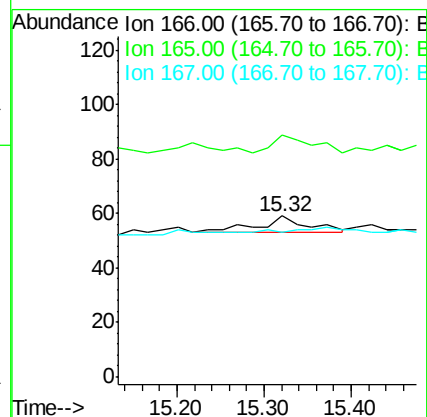
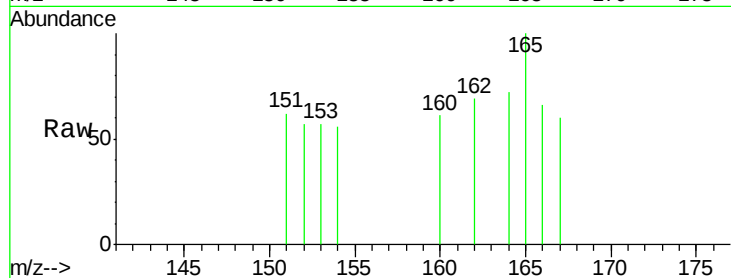
Tgt Ion:166 Resp: 25

Ion Ratio Lower Upper

166 100

165 112.0 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: BM000916.D

Acq: 08 Apr 2015 19:12

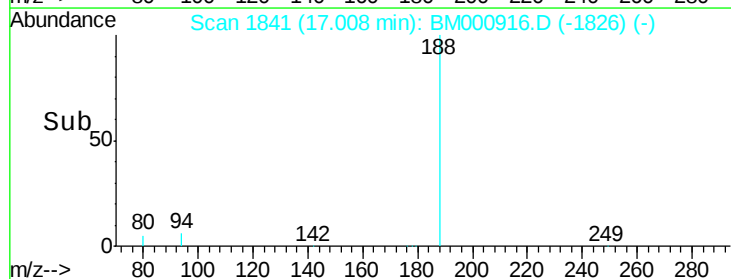
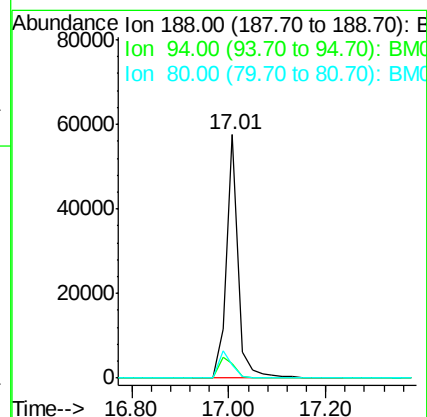
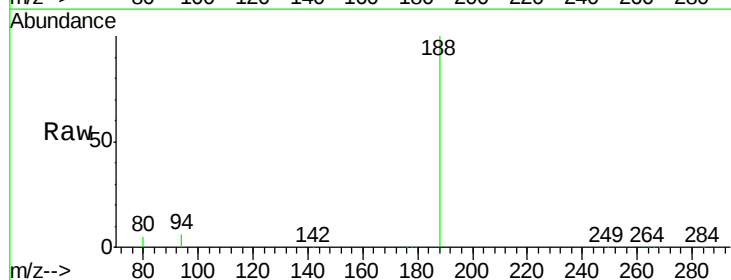
Tgt Ion:188 Resp: 98343

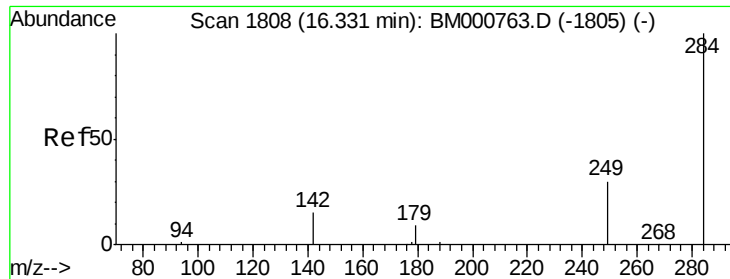
Ion Ratio Lower Upper

188 100

94 5.9 12.0 18.0#

80 5.5 12.8 19.2#

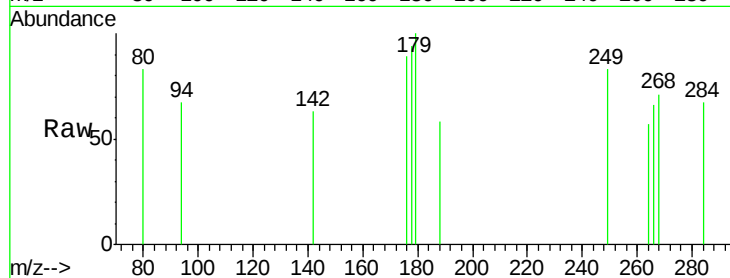




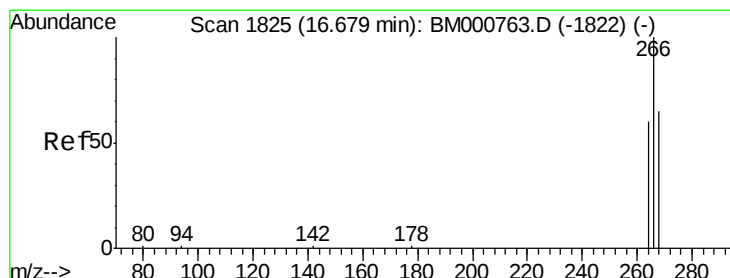
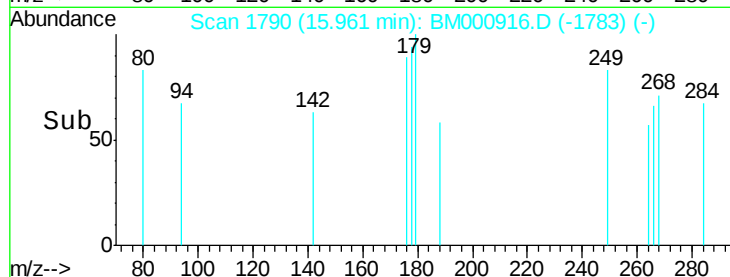
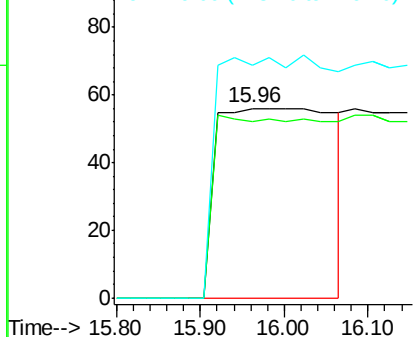
#14
Hexachlorobenzene
Concen: 0.09 ng
RT: 15.96 min Scan# 1790
Delta R.T. -0.37 min
Lab File: BM000916.D
Acq: 08 Apr 2015 19:12

Instrument :
BNA_M
ClientSampleId :
MW-3

Tgt Ion: 284 Resp: 526
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#

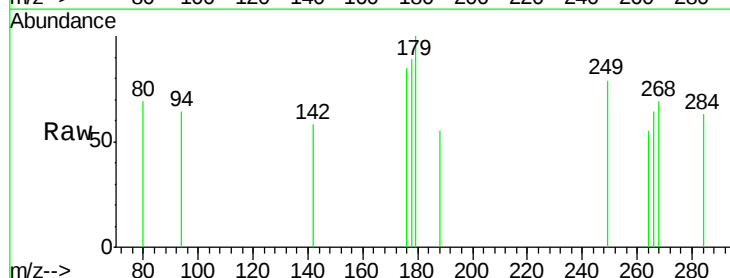


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

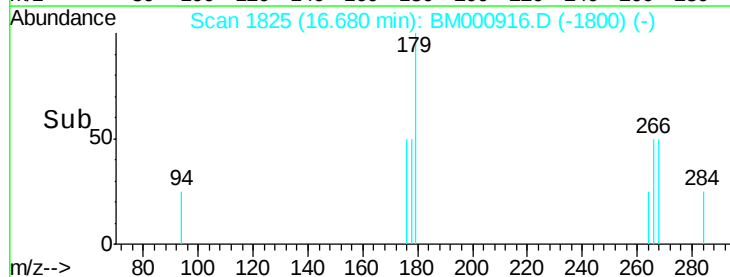
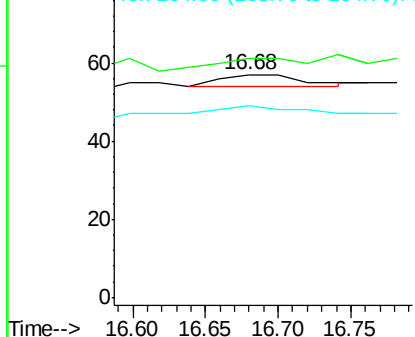


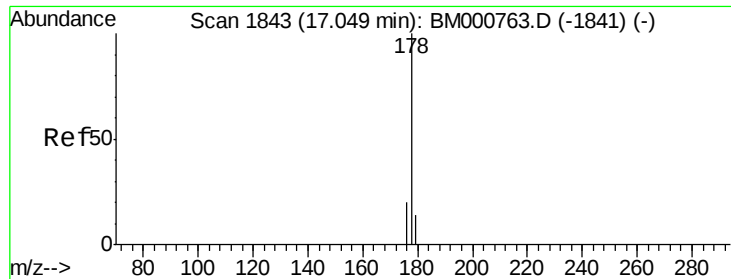
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000916.D
Acq: 08 Apr 2015 19:12

Tgt Ion: 266 Resp: 12
Ion Ratio Lower Upper
266 100
268 107.0 55.0 82.6#
264 86.0 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: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

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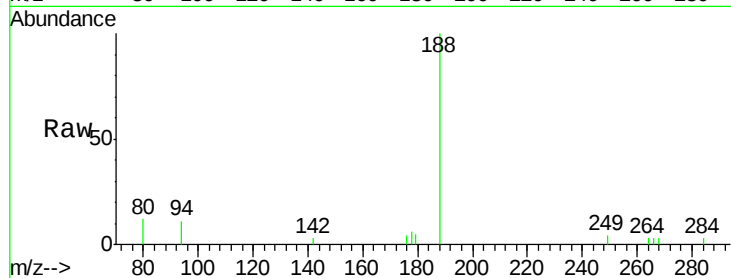
Tgt Ion:178 Resp: 103

Ion Ratio Lower Upper

178 100

176 33.0 15.3 22.9#

179 0.0 12.2 18.2#

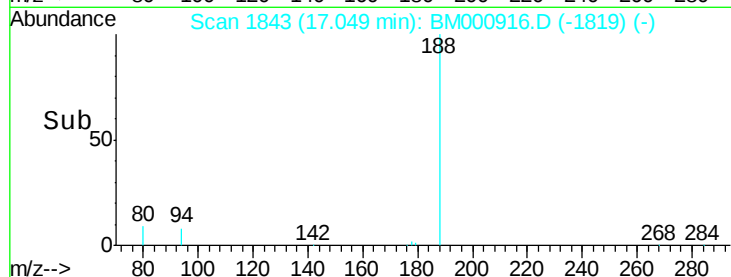


Abundance Ion 178.00 (177.70 to 178.70): E

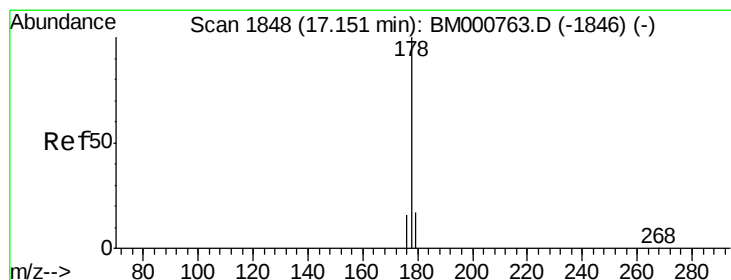
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.05



Time-->



#17

Anthracene

Concen: 0.00 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

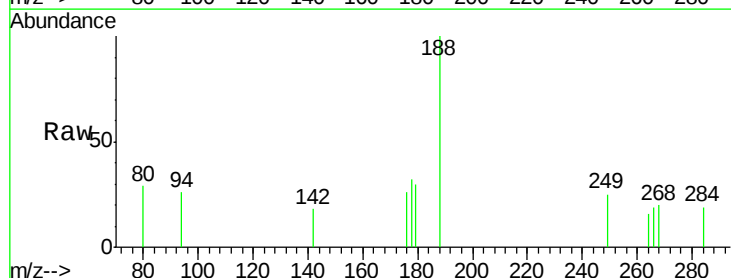
Tgt Ion:178 Resp: 53

Ion Ratio Lower Upper

178 100

176 41.5 14.6 22.0#

179 0.0 12.2 18.4#

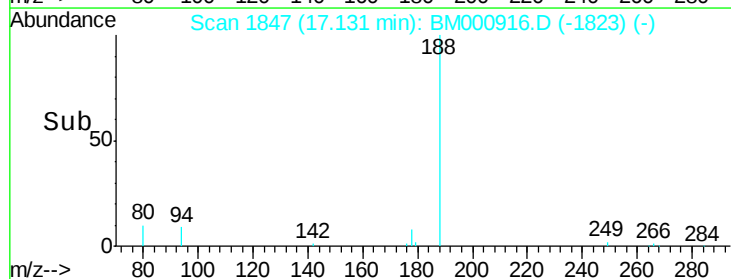


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.13



Time-->



#18

Fluoranthene

Concen: 0.00 ng

RT: 19.08 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BM000916.D

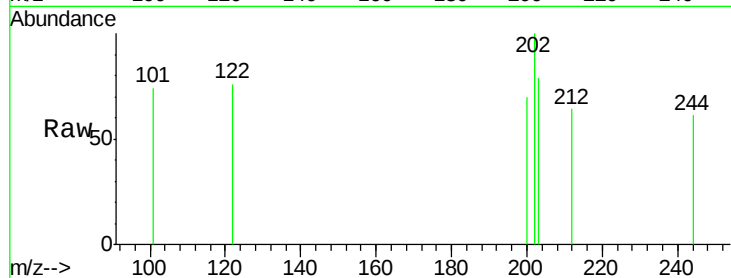
Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampled :

MW-3



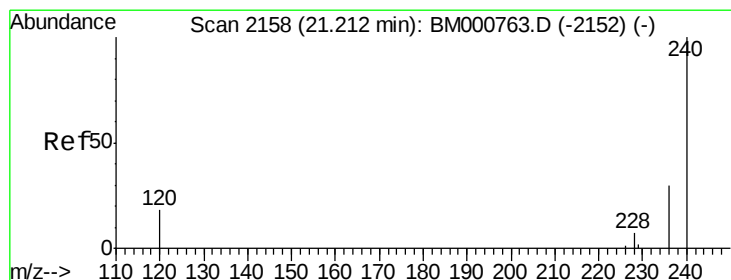
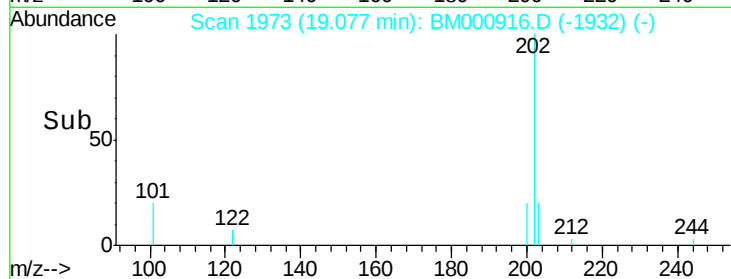
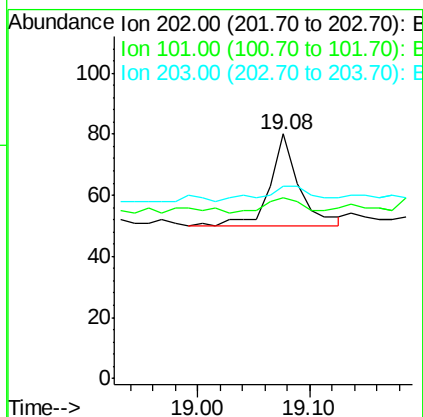
Tgt Ion:202 Resp: 54

Ion Ratio Lower Upper

202 100

101 22.2 10.5 15.7#

203 25.9 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: BM000916.D

Acq: 08 Apr 2015 19:12

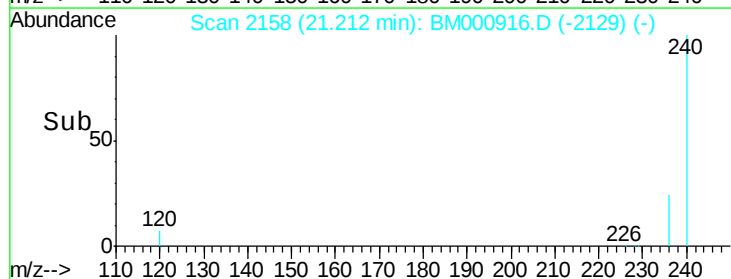
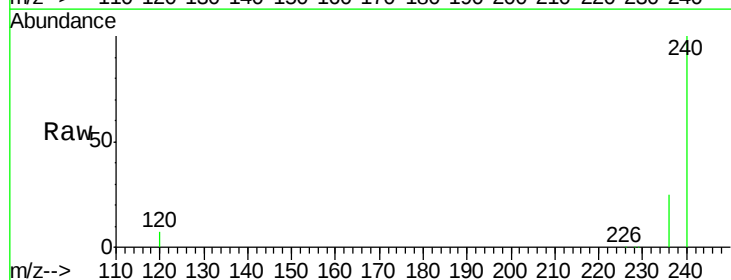
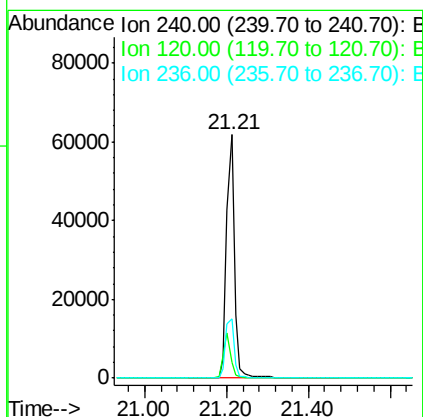
Tgt Ion:240 Resp: 83467

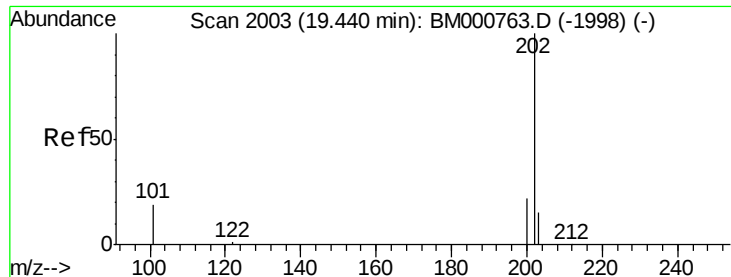
Ion Ratio Lower Upper

240 100

120 6.7 14.9 22.3#

236 24.5 24.2 36.4





#20

Pyrene

Concen: 0.00 ng

RT: 19.44 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3

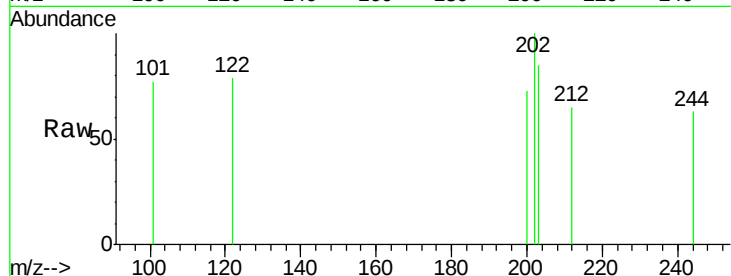
Tgt Ion:202 Resp: 49

Ion Ratio Lower Upper

202 100

200 18.4 16.2 24.2

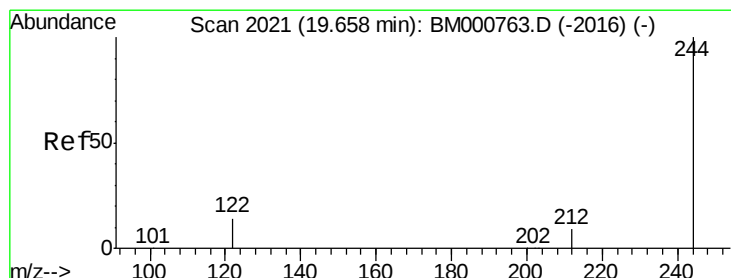
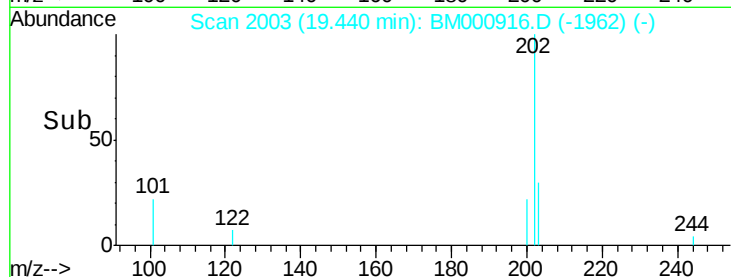
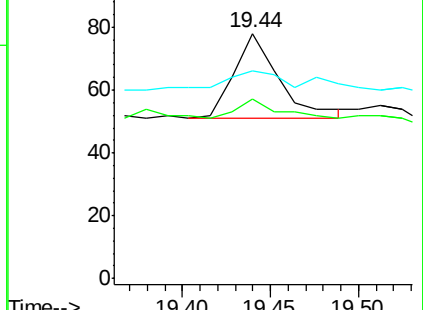
203 46.9 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#21

Terphenyl-d14

Concen: 2.77 ng

RT: 19.65 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

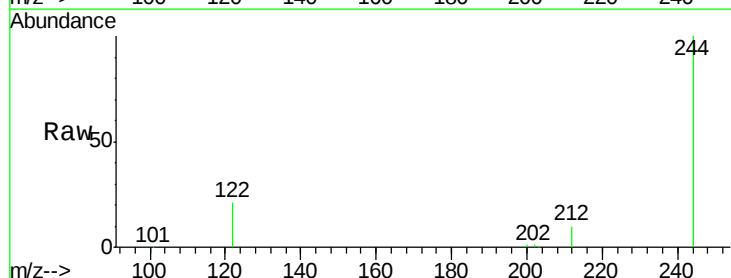
Tgt Ion:244 Resp: 27870

Ion Ratio Lower Upper

244 100

212 10.3 7.8 11.6

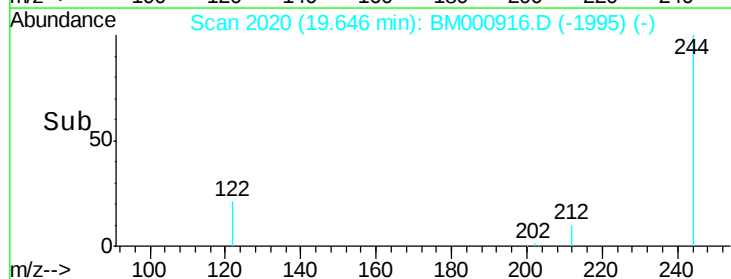
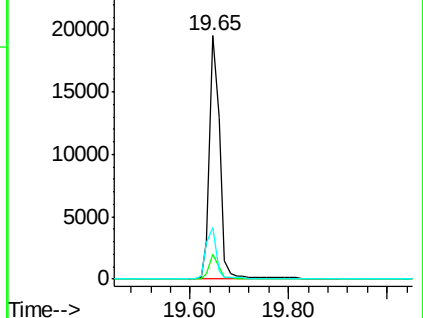
122 21.0 11.8 17.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3

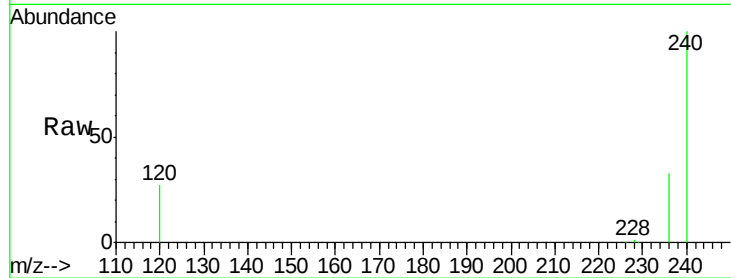
Tgt Ion:228 Resp: 419

Ion Ratio Lower Upper

228 100

226 26.6 18.6 27.8

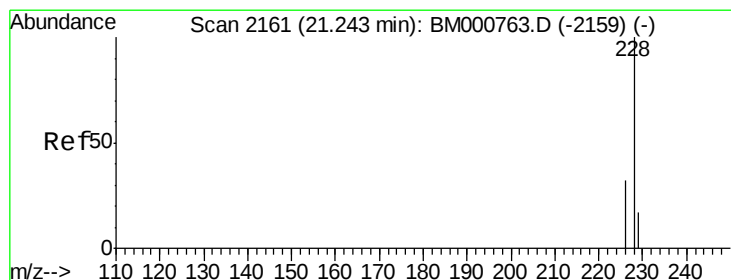
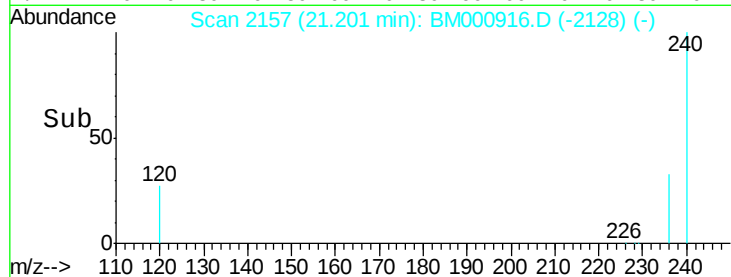
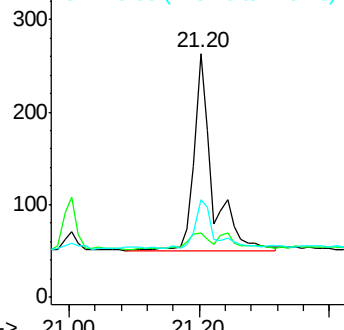
229 39.9 17.2 25.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Chrysene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

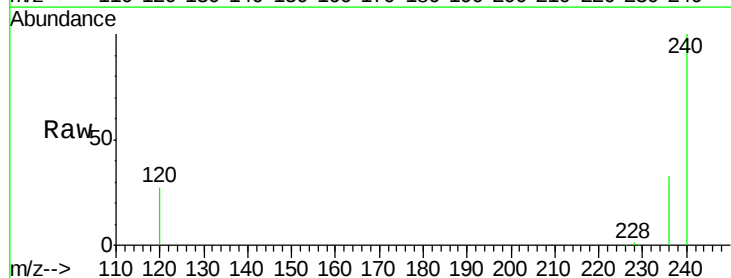
Tgt Ion:228 Resp: 419

Ion Ratio Lower Upper

228 100

226 26.6 25.8 38.8

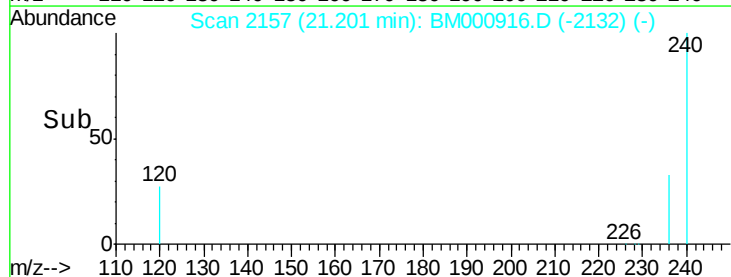
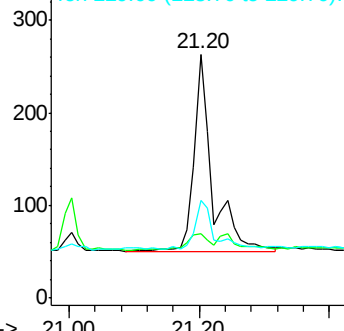
229 39.9 13.8 20.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BM000916.D

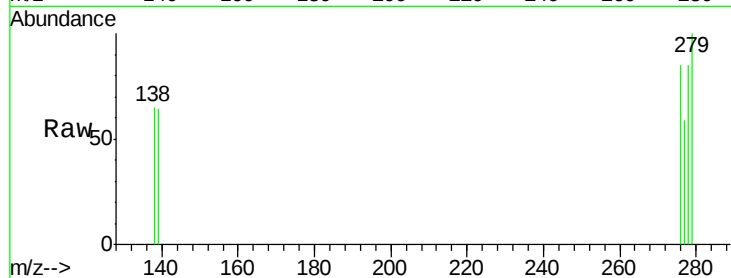
Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3



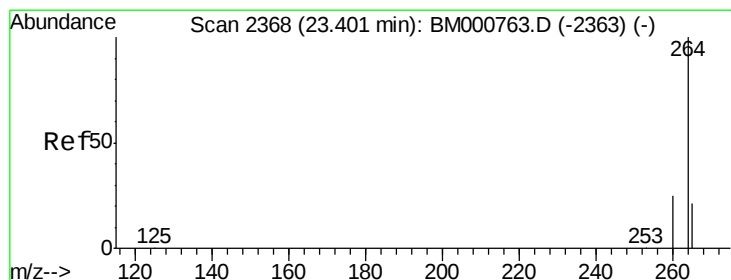
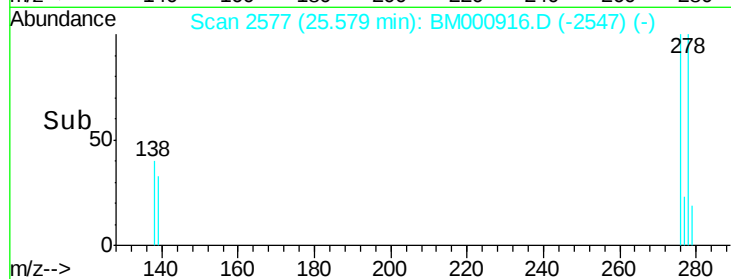
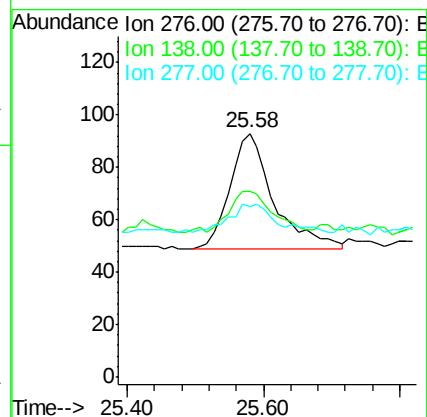
Tgt Ion:276 Resp: 195

Ion Ratio Lower Upper

276 100

138 42.1 27.4 41.2#

277 26.7 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: BM000916.D

Acq: 08 Apr 2015 19:12

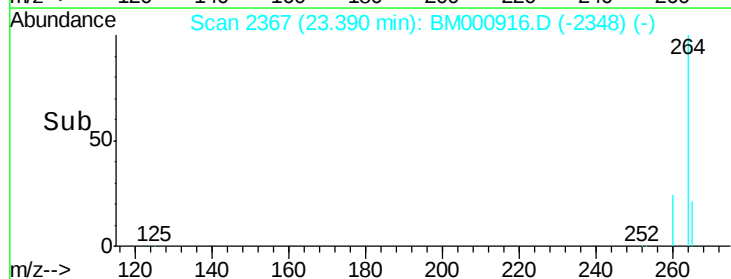
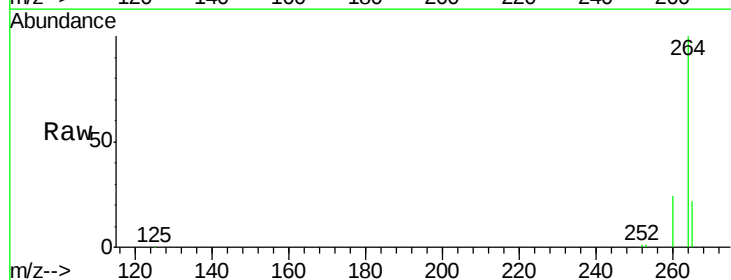
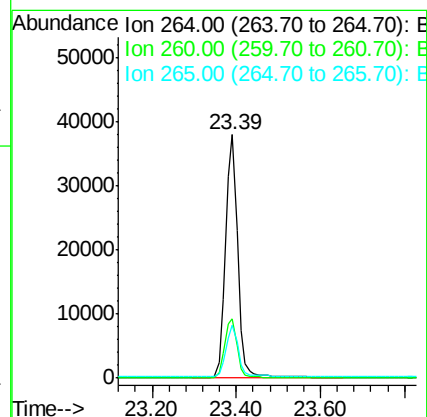
Tgt Ion:264 Resp: 75901

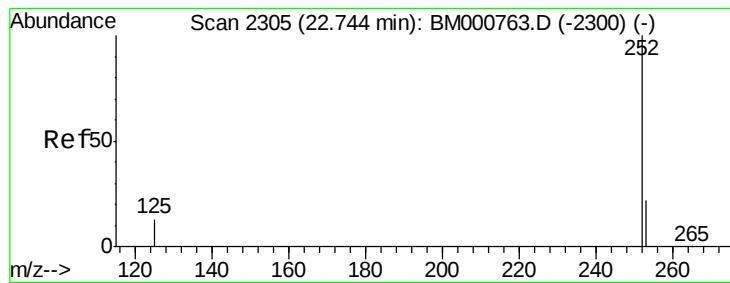
Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 21.8 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 22.73 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3

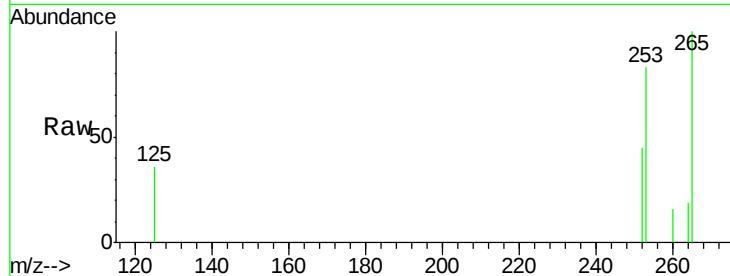
Tgt Ion:252 Resp: 82

Ion Ratio Lower Upper

252 100

253 183.5 18.5 27.7#

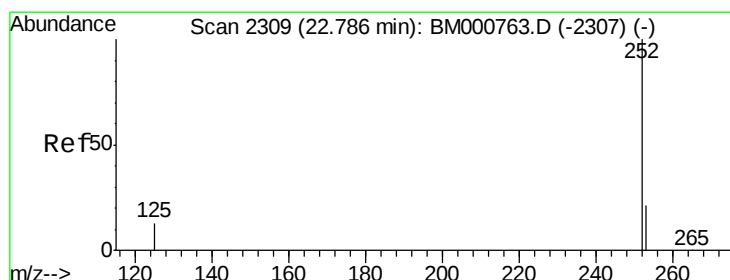
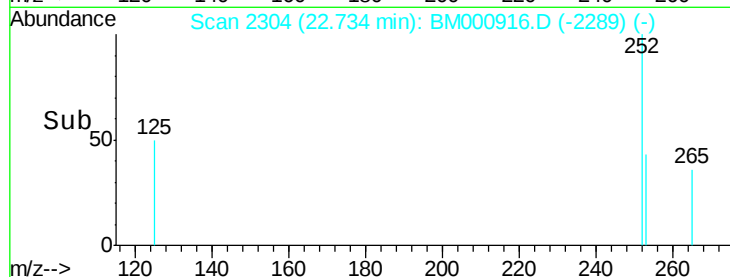
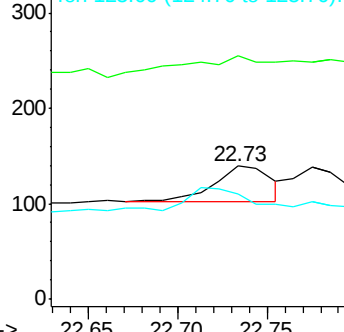
125 79.1 10.6 16.0#



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: 22.73 min Scan# 2304

Delta R.T. -0.04 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

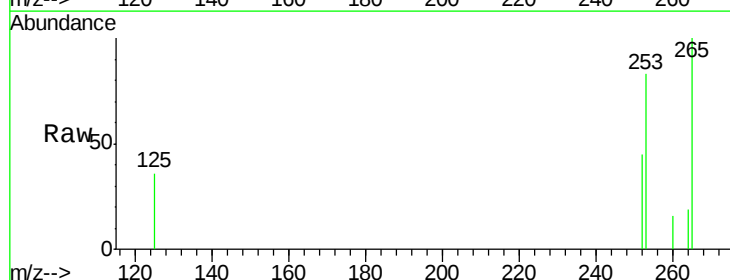
Tgt Ion:252 Resp: 82

Ion Ratio Lower Upper

252 100

253 183.5 17.9 26.9#

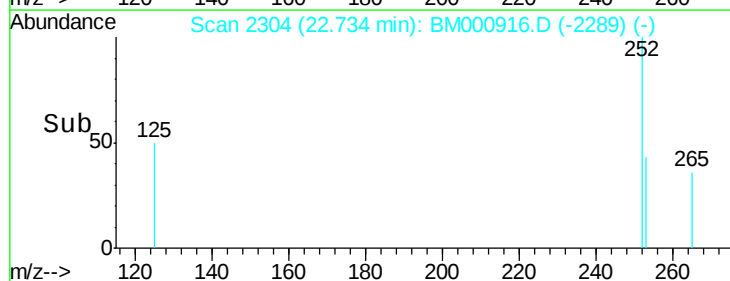
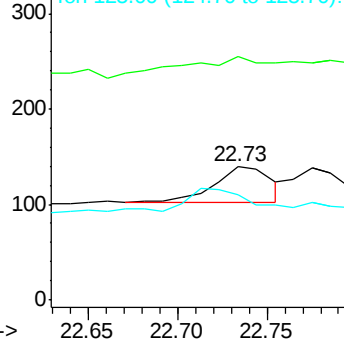
125 79.1 10.8 16.2#



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: BM000916.D

Acq: 08 Apr 2015 19:12

Instrument :

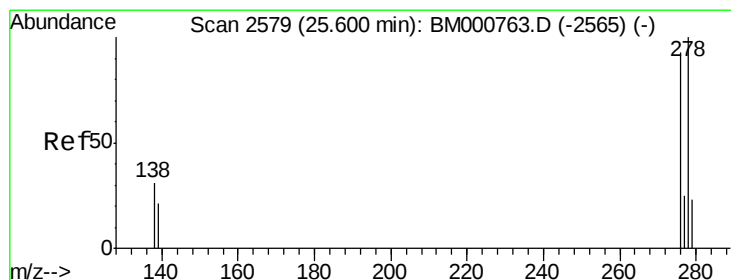
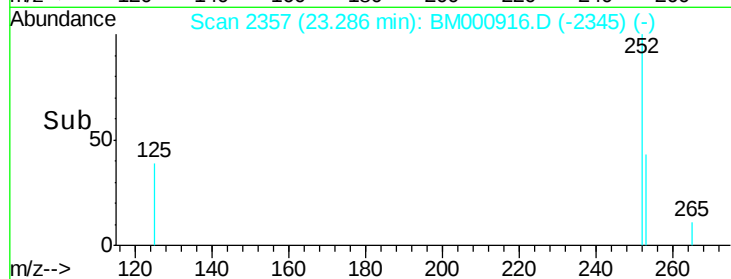
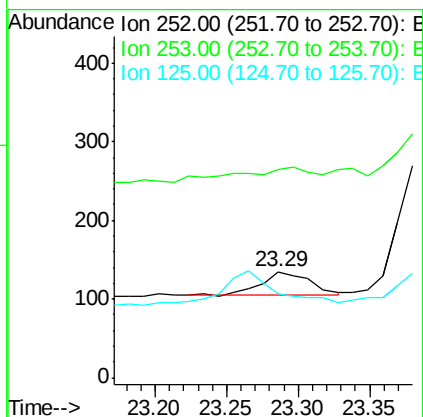
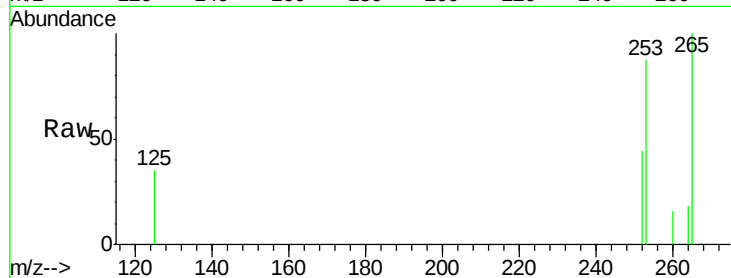
BNA_M

ClientSampleId :

MW-3

Tgt Ion:252 Resp: 71

Ion	Ratio	Lower	Upper
252	100		
253	195.6	19.4	29.2#
125	78.5	11.5	17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.59 min Scan# 2578

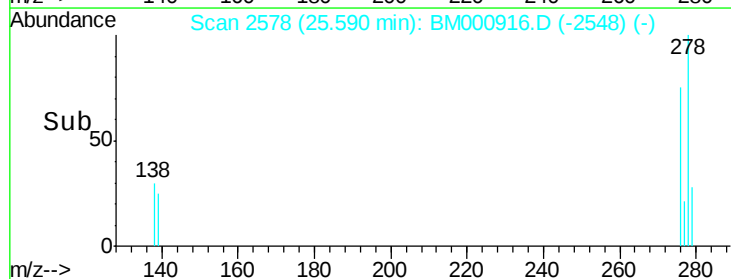
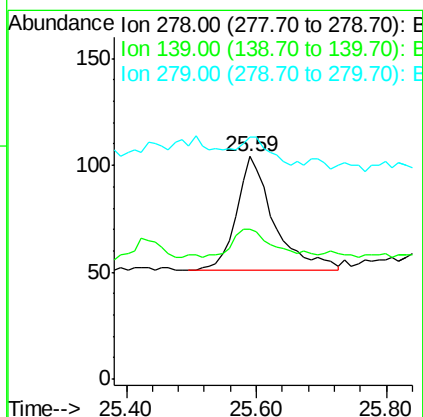
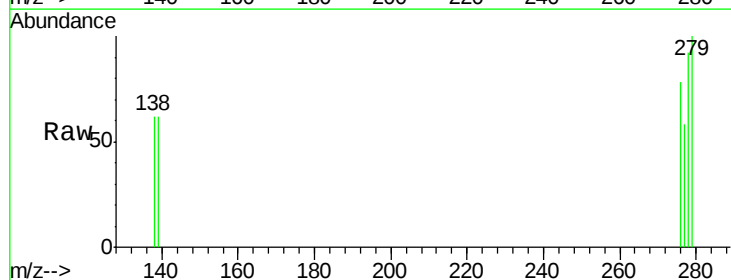
Delta R.T. 0.01 min

Lab File: BM000916.D

Acq: 08 Apr 2015 19:12

Tgt Ion:278 Resp: 212

Ion	Ratio	Lower	Upper
278	100		
139	67.3	17.8	26.6#
279	108.7	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.23 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BM000916.D

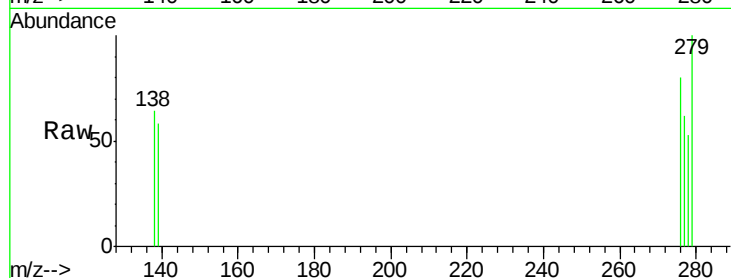
Acq: 08 Apr 2015 19:12

Instrument :

BNA_M

ClientSampleId :

MW-3



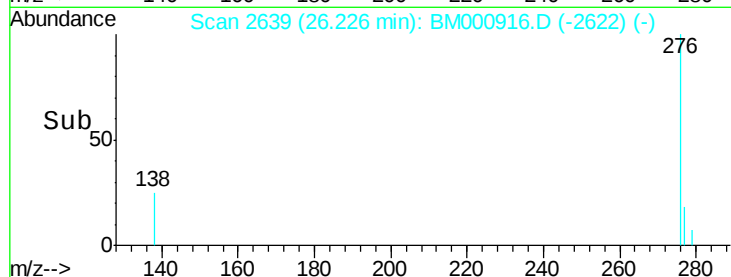
Tgt Ion: 276 Resp: 124

Ion Ratio Lower Upper

276 100

277 77.2 19.1 28.7#

138 79.7 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

