

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000907.D
 Acq On : 08 Apr 2015 13:52
 Operator : TP/IZ
 Sample : G1742-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-2

Quant Time: Apr 09 03:45:17 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	26654	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	91945	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	46772	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	97493	5.00	ng	0.00
19) Chrysene-d12	21.20	240	86882	5.00	ng	0.00
25) Perylene-d12	23.38	264	78638	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	42568	7.55	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	133391	9.19	ng	0.00
21) Terphenyl-d14	19.65	244	112483	10.76	ng	0.00

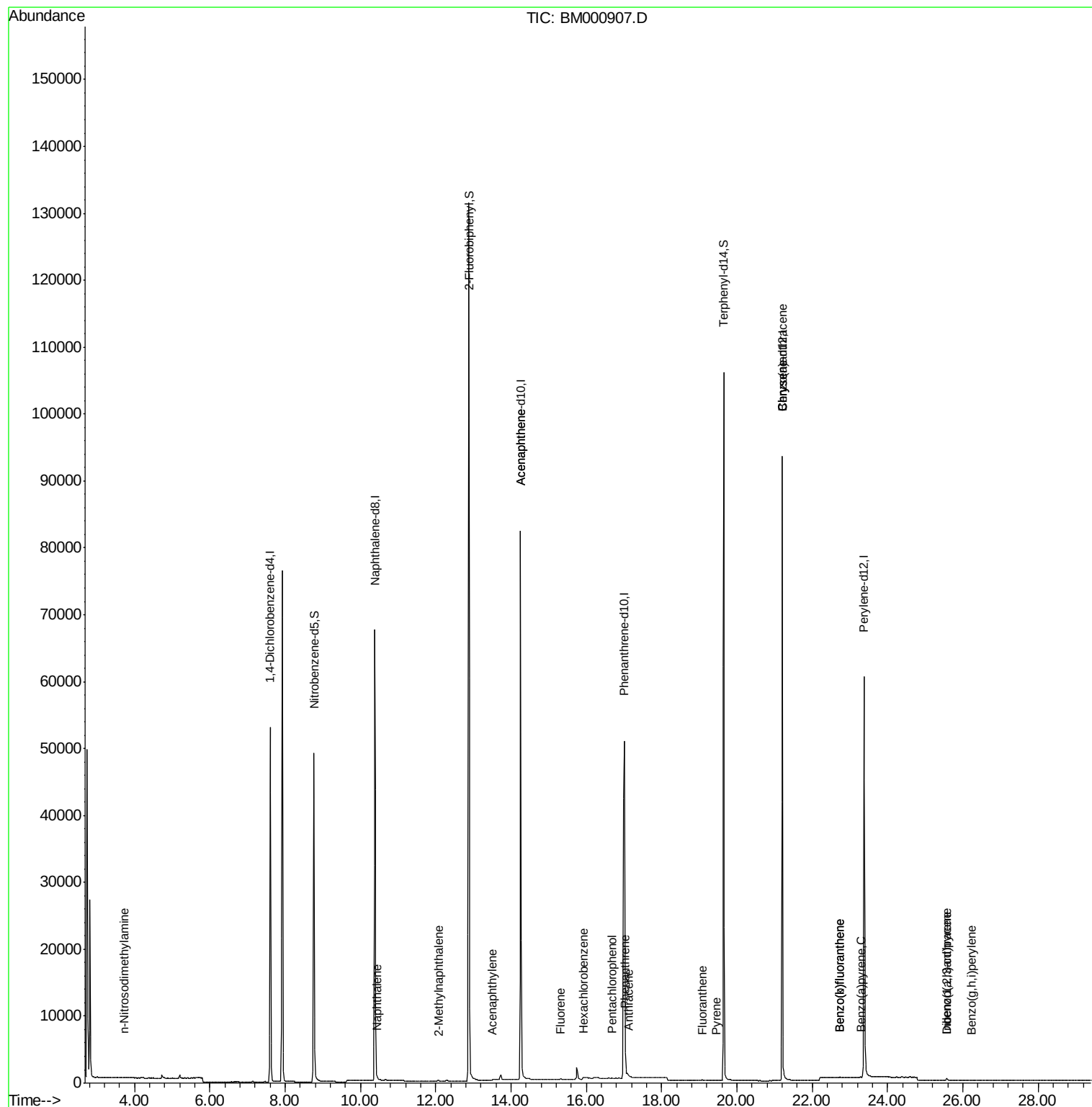
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.72	42	42	0.17	ng	# 63
6) Naphthalene	10.44	128	141	0.01	ng	# 11
7) 2-Methylnaphthalene	12.07	142	62	0.00	ng	# 37
10) Acenaphthylene	13.51	152	189	0.01	ng	# 10
11) Acenaphthene	14.26	154	244	0.02	ng	# 12
12) Fluorene	15.32	166	83	0.01	ng	# 92
14) Hexachlorobenzene	15.92	284	333	0.06	ng	# 43
15) Pentachlorophenol	16.68	266	21	0.38	ng	# 65
16) Phenanthrene	17.03	178	238	0.01	ng	# 83
17) Anthracene	17.13	178	162	0.01	ng	96
18) Fluoranthene	19.08	202	149	0.01	ng	95
20) Pyrene	19.44	202	137	0.00	ng	# 92
22) Benzo(a)anthracene	21.20	228	394	0.02	ng	# 73
23) Chrysene	21.20	228	394	0.02	ng	# 73
24) Indeno(1,2,3-cd)pyrene	25.57	276	367	0.01	ng	94
26) Benzo(b)fluoranthene	22.74	252	163	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.74	252	163	0.01	ng	# 1
28) Benzo(a)pyrene	23.29	252	141	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	407	0.02	ng	# 13
30) Benzo(g,h,i)perylene	26.23	276	224	0.01	ng	# 24

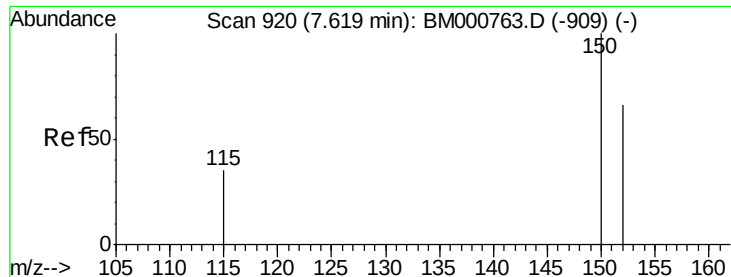
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:45:17 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: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

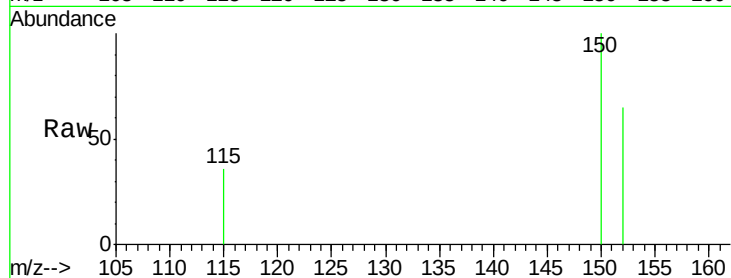
Tgt Ion:152 Resp: 26654

Ion Ratio Lower Upper

152 100

150 153.9 120.8 181.2

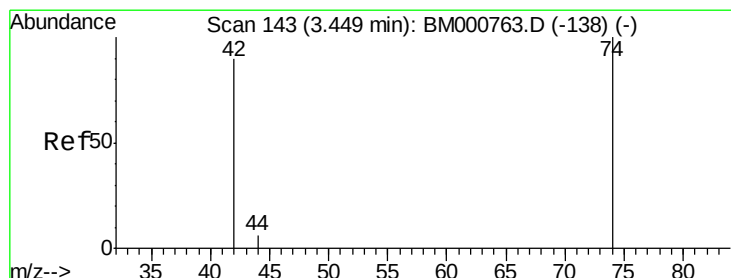
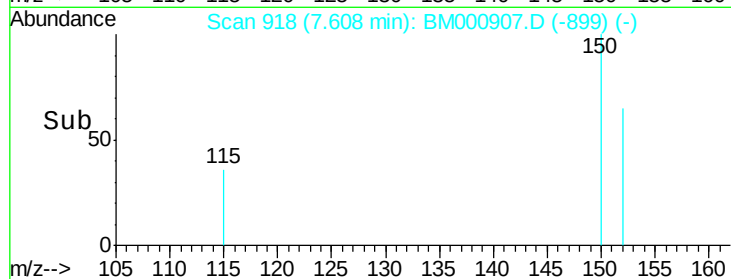
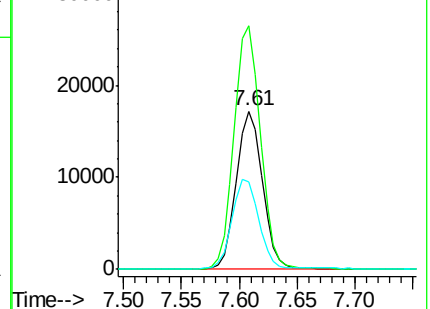
115 55.5 42.7 64.1



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# 193

Delta R.T. 0.28 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

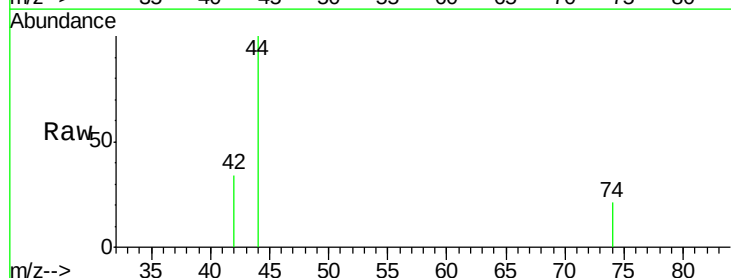
Tgt Ion: 42 Resp: 42

Ion Ratio Lower Upper

42 100

74 88.1 93.6 140.4#

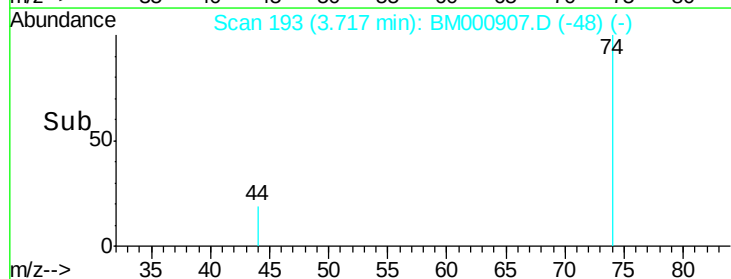
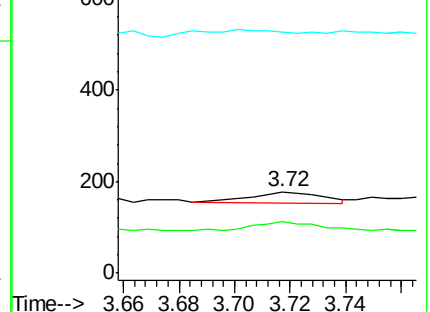
44 78.6 6.3 9.5#

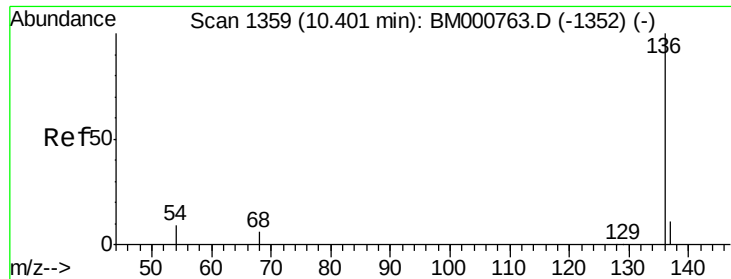


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

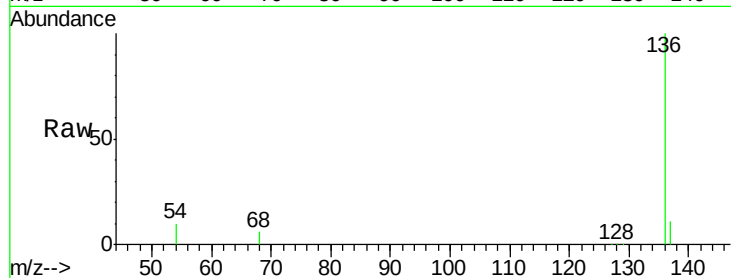
Tgt Ion: 136 Resp: 91945

Ion Ratio Lower Upper

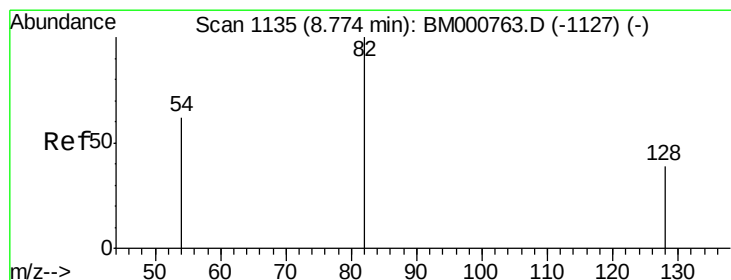
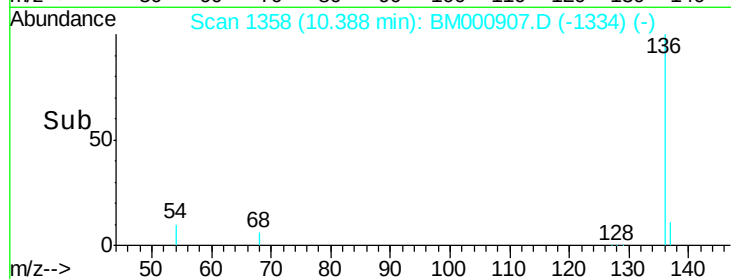
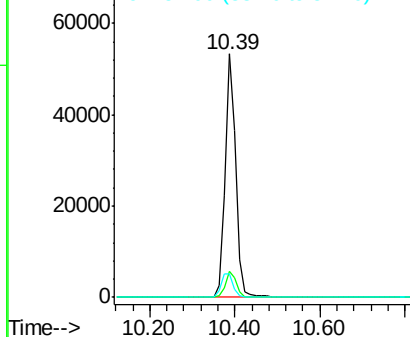
136 100

137 10.6 8.6 12.8

54 9.7 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: 7.55 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

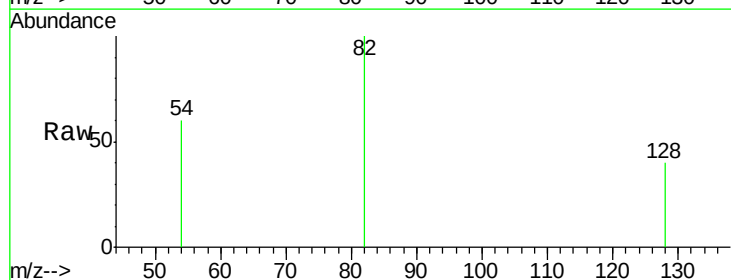
Tgt Ion: 82 Resp: 42568

Ion Ratio Lower Upper

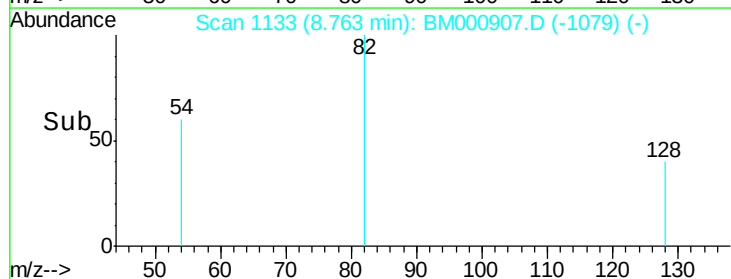
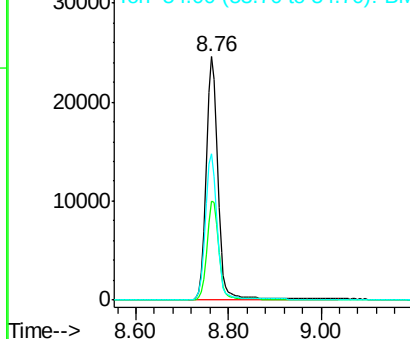
82 100

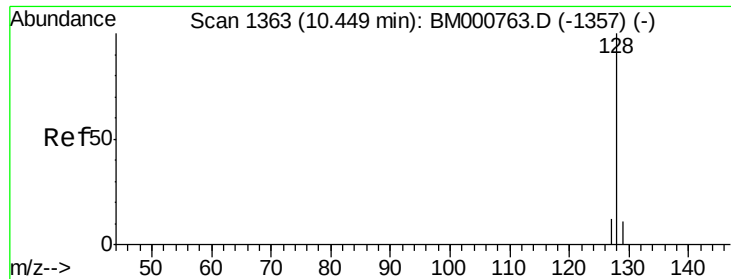
128 40.5 32.2 48.2

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: 0.01 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

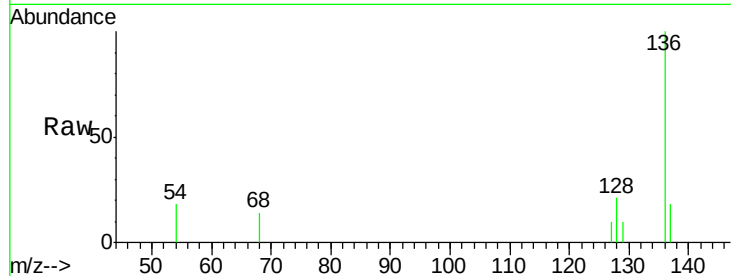
Tgt Ion:128 Resp: 141

Ion Ratio Lower Upper

128 100

129 46.6 8.9 13.3#

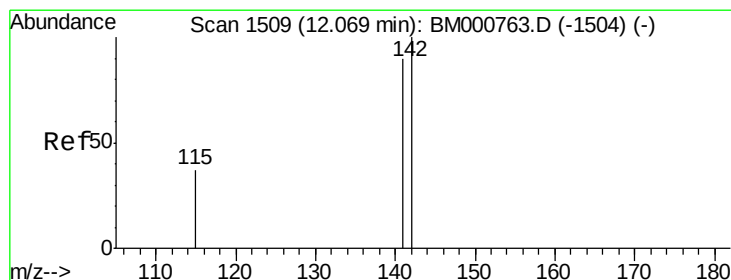
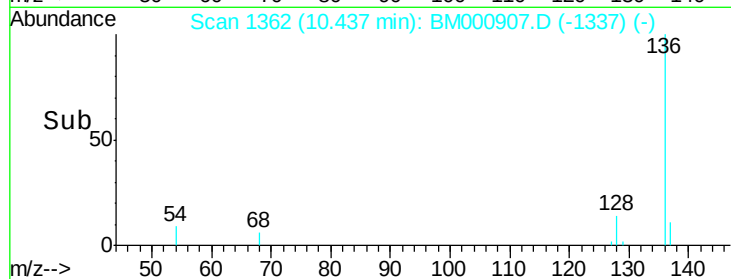
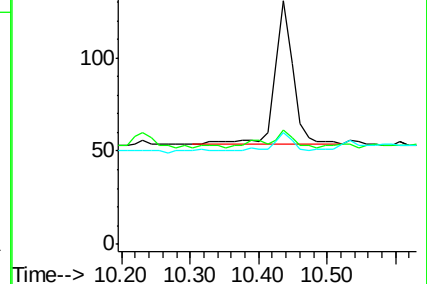
127 45.8 10.0 15.0#



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: BM000907.D

Acq: 08 Apr 2015 13:52

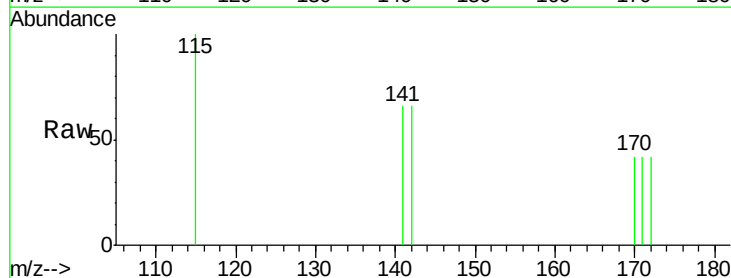
Tgt Ion:142 Resp: 62

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

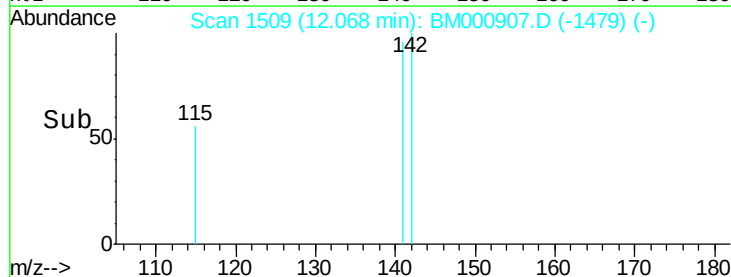
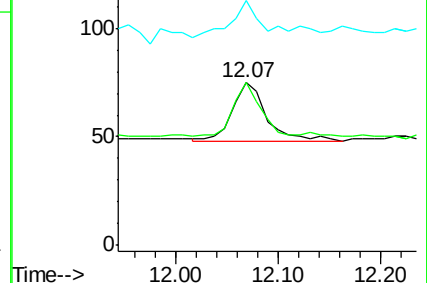
115 150.7 29.5 44.3#

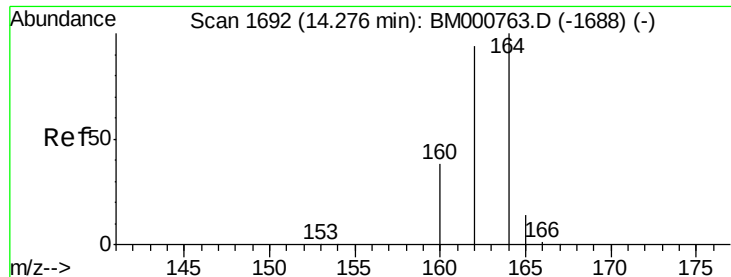


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

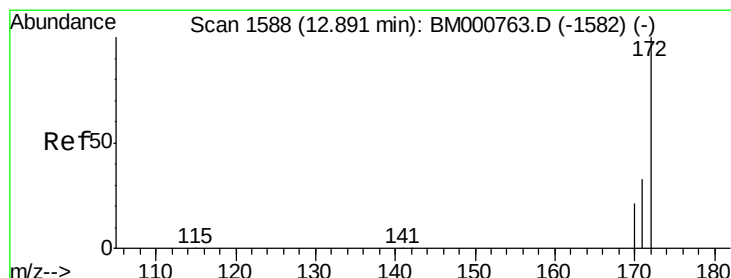
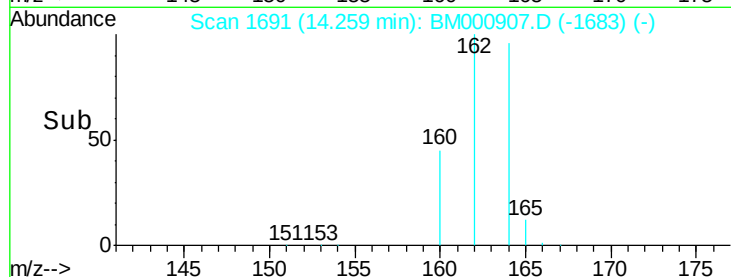
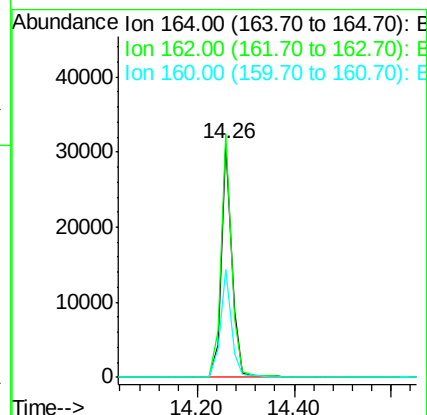
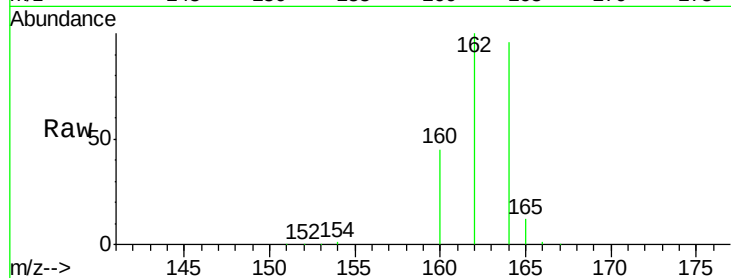
Tgt Ion:164 Resp: 46772

Ion Ratio Lower Upper

164 100

162 104.2 75.4 113.2

160 46.5 30.8 46.2#



#9

2-Fluorobiphenyl

Concen: 9.19 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

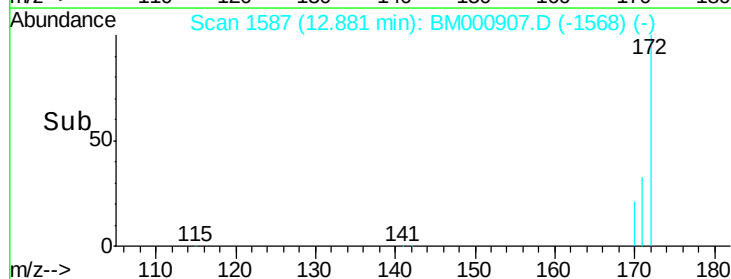
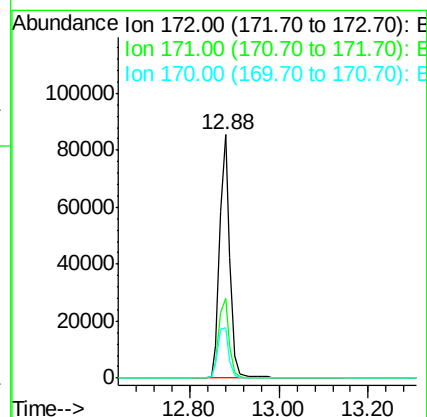
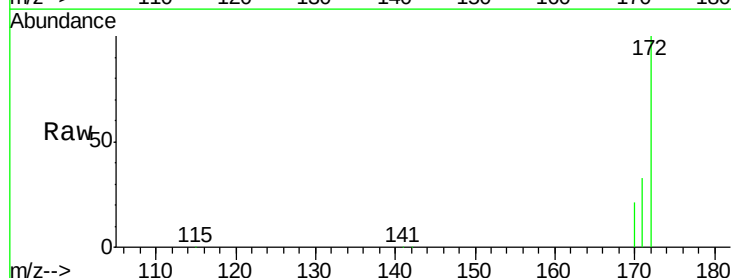
Tgt Ion:172 Resp: 133391

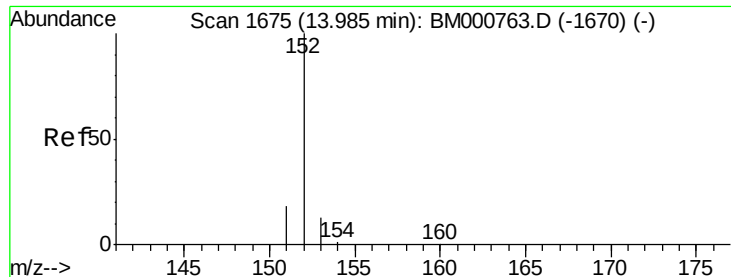
Ion Ratio Lower Upper

172 100

171 32.7 26.6 39.8

170 20.6 17.1 25.7





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.51 min Scan# 1647

Delta R.T. -0.46 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

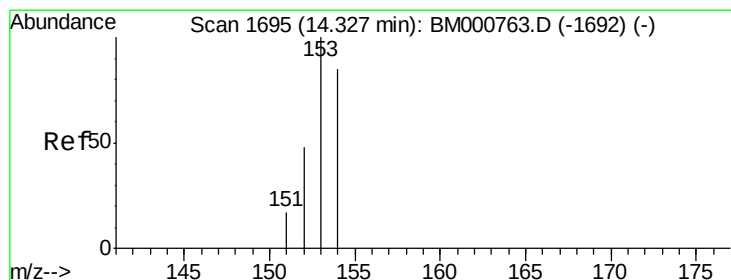
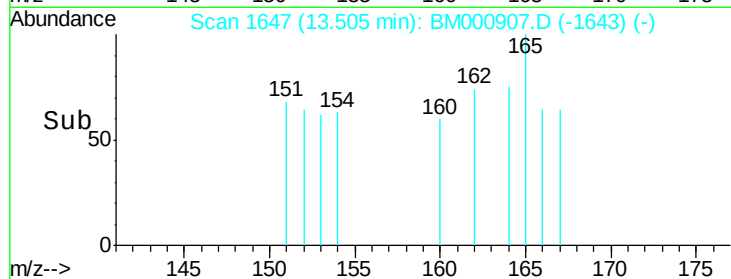
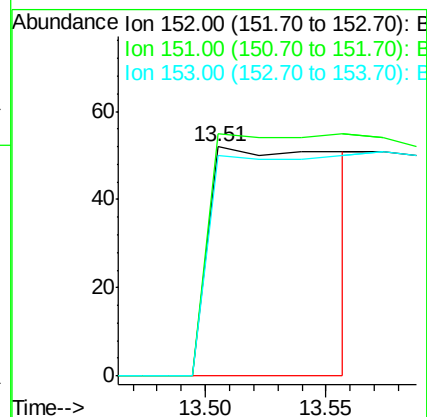
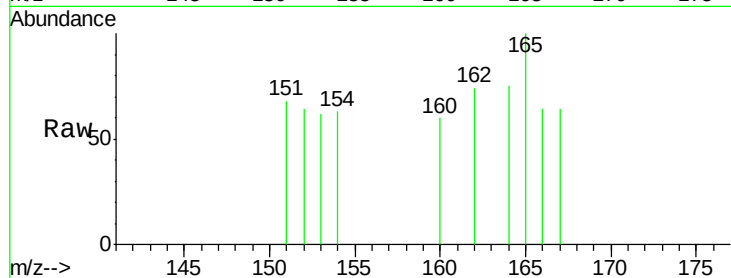
Tgt Ion:152 Resp: 189

Ion Ratio Lower Upper

152 100

151 77.2 15.1 22.7#

153 0.0 10.2 15.4#



#11

Acenaphthene

Concen: 0.02 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

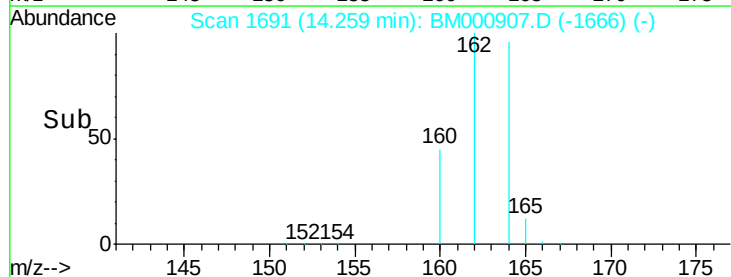
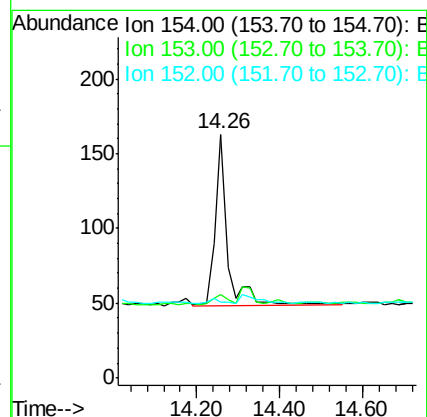
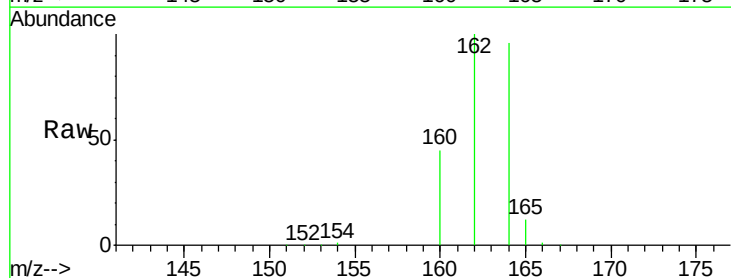
Tgt Ion:154 Resp: 244

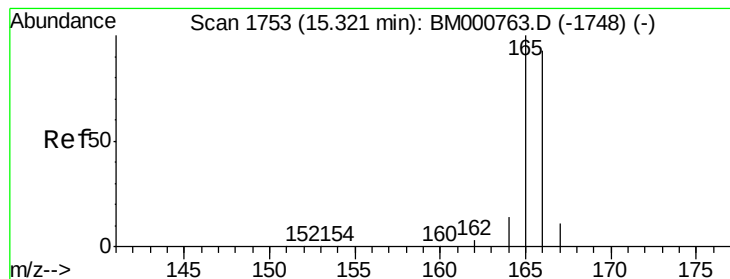
Ion Ratio Lower Upper

154 100

153 7.4 87.3 130.9#

152 3.7 43.0 64.6#





#12

Fluorene

Concen: 0.01 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

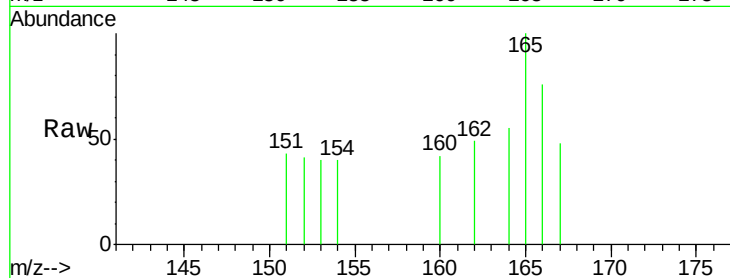
Tgt Ion:166 Resp: 83

Ion Ratio Lower Upper

166 100

165 104.8 78.2 117.2

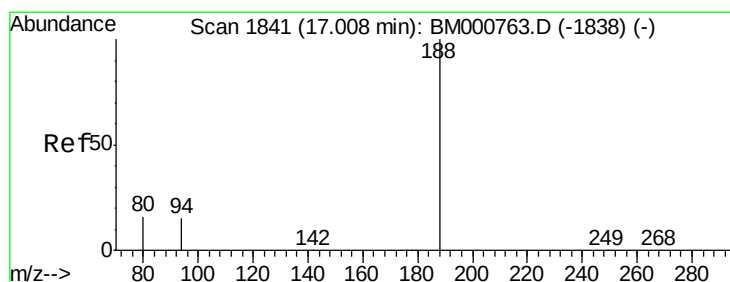
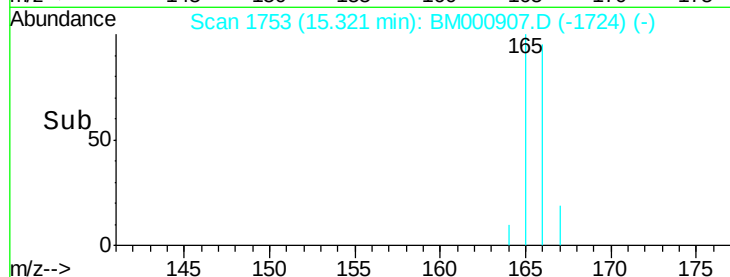
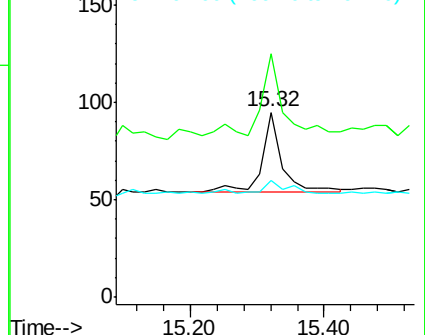
167 19.3 10.7 16.1#



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



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

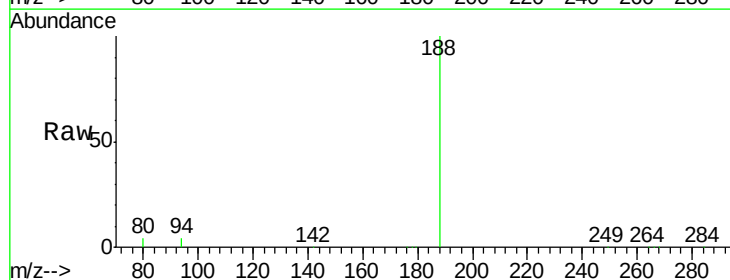
Tgt Ion:188 Resp: 97493

Ion Ratio Lower Upper

188 100

94 4.1 12.0 18.0#

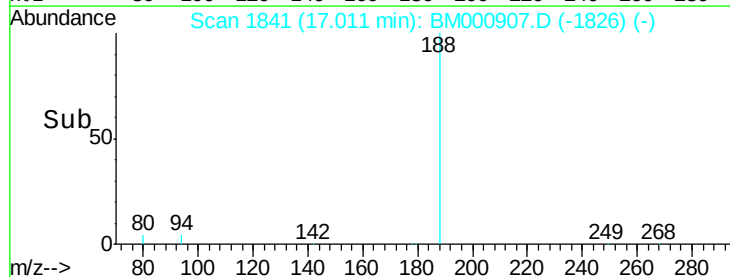
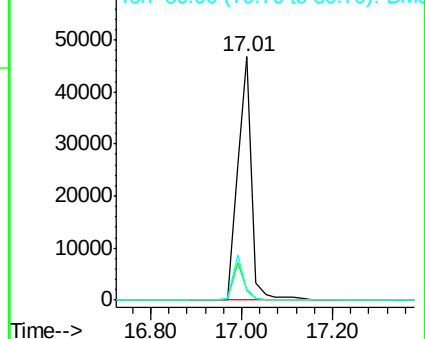
80 3.7 12.8 19.2#

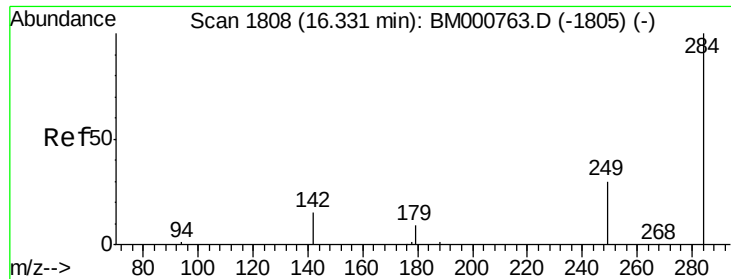


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

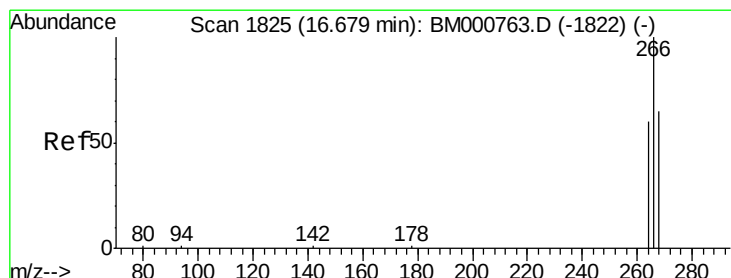
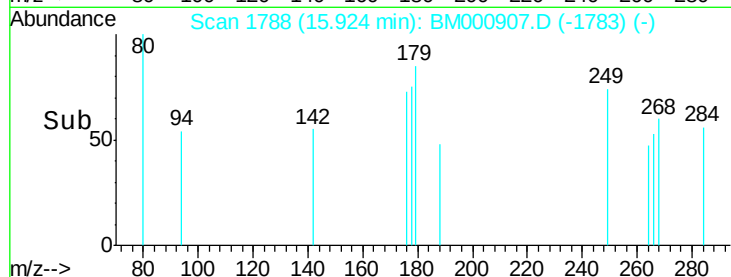
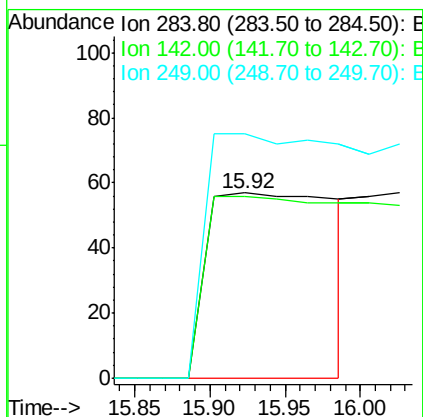
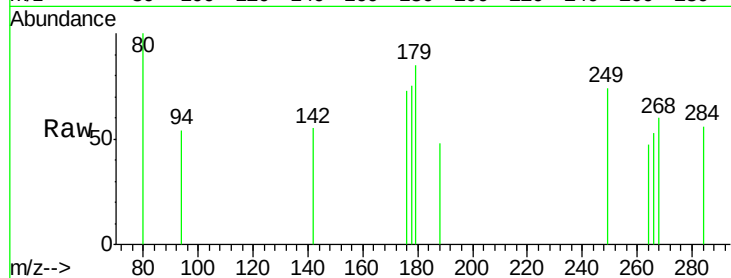




#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000907.D
Acq: 08 Apr 2015 13:52

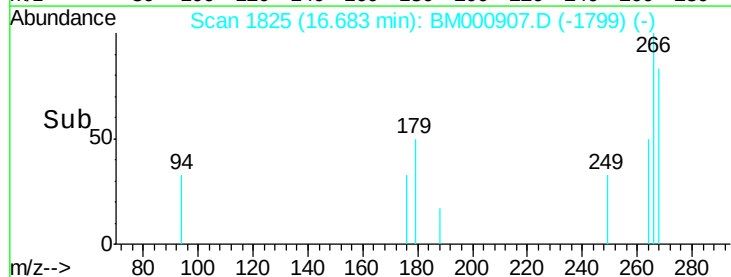
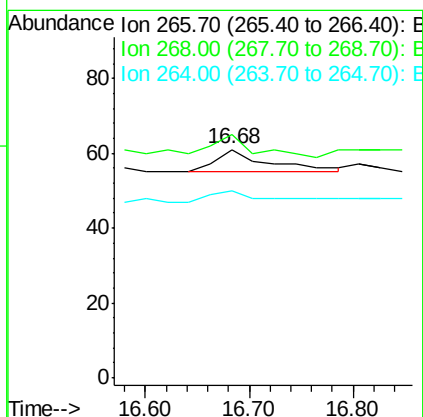
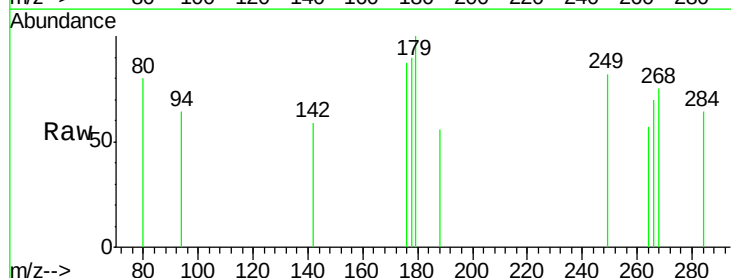
Instrument :
BNA_M
ClientSampleId :
MW-2

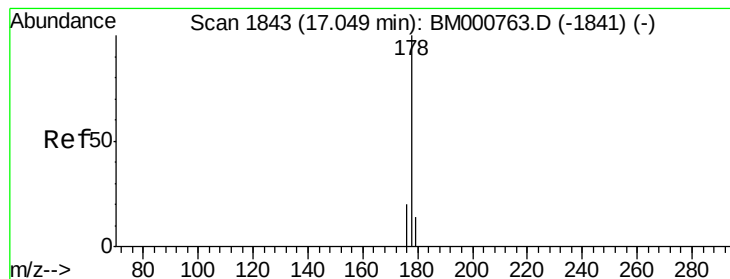
Tgt Ion: 284 Resp: 333
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#



#15
Pentachlorophenol
Concen: 0.38 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000907.D
Acq: 08 Apr 2015 13:52

Tgt Ion: 266 Resp: 21
Ion Ratio Lower Upper
266 100
268 106.6 55.0 82.6#
264 82.0 51.0 76.4#





#16

Phenanthrene

Concen: 0.01 ng

RT: 17.03 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

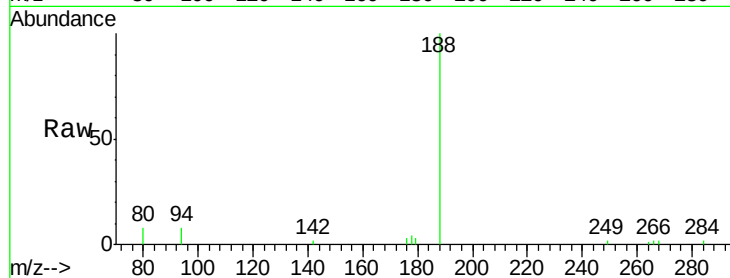
Tgt Ion:178 Resp: 238

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

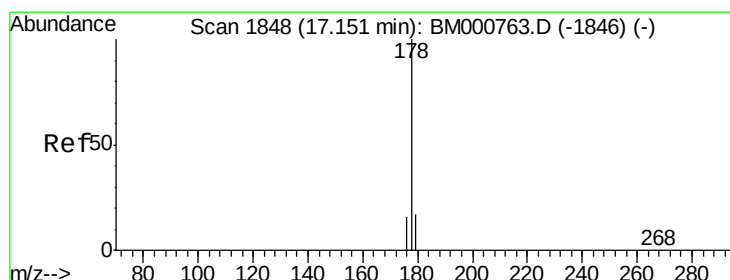
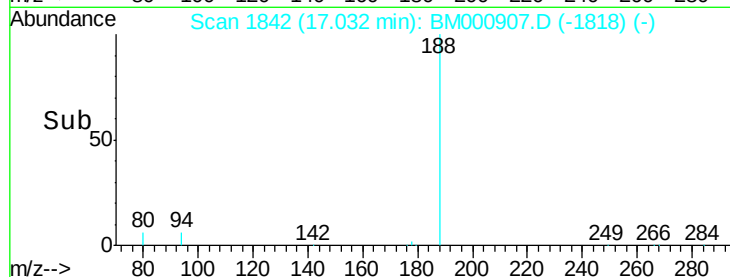
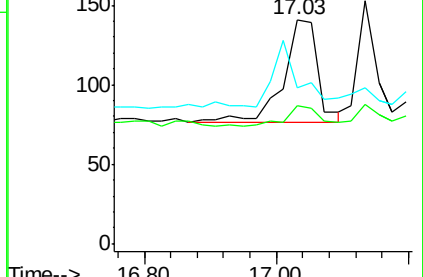
179 0.0 12.2 18.2#



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

Anthracene

Concen: 0.01 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

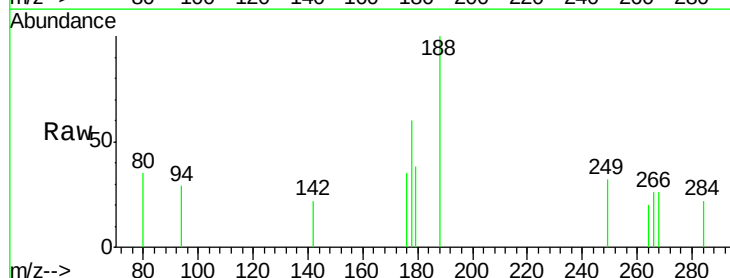
Tgt Ion:178 Resp: 162

Ion Ratio Lower Upper

178 100

176 19.8 14.6 22.0

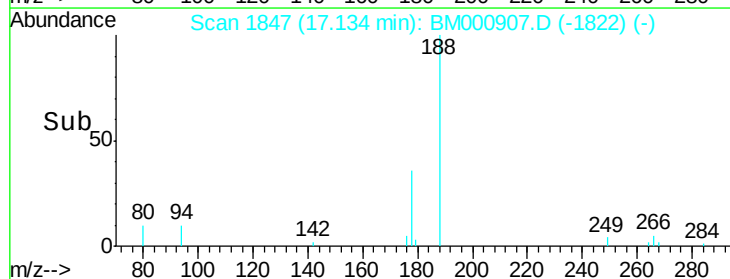
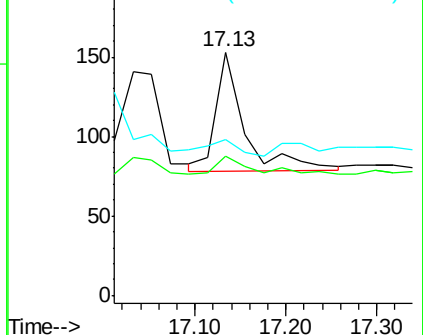
179 13.6 12.2 18.4

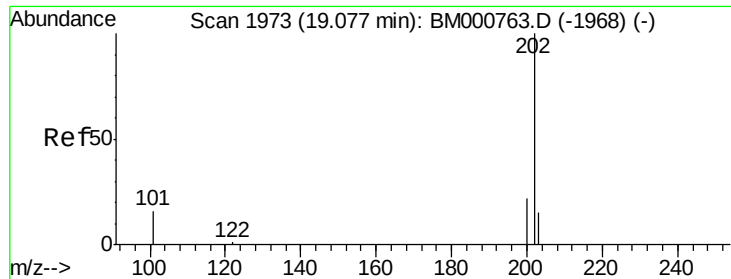


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

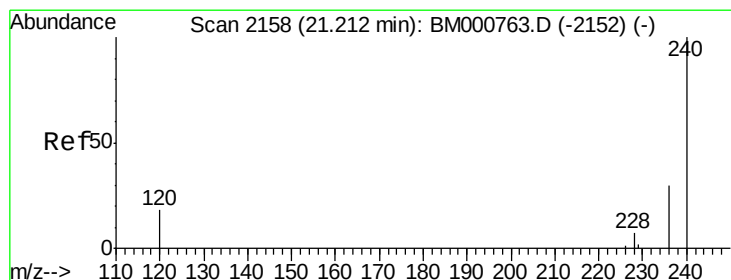
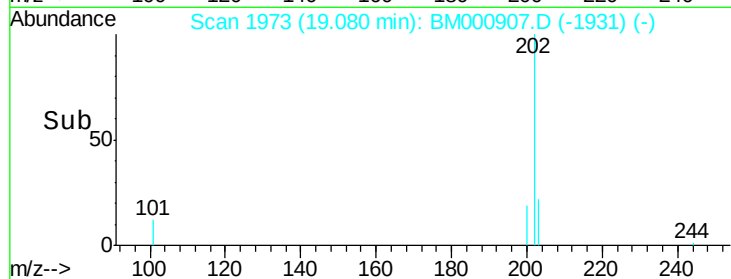
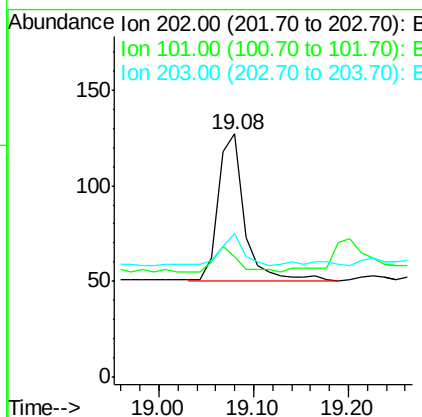
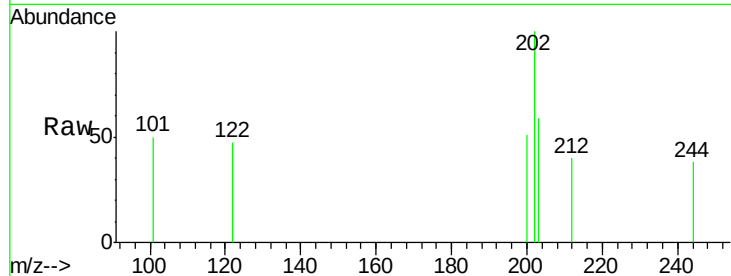




#18
Fluoranthene
Concen: 0.01 ng
RT: 19.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BM000907.D
Acq: 08 Apr 2015 13:52

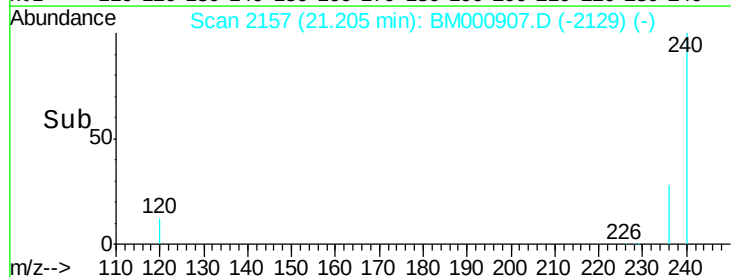
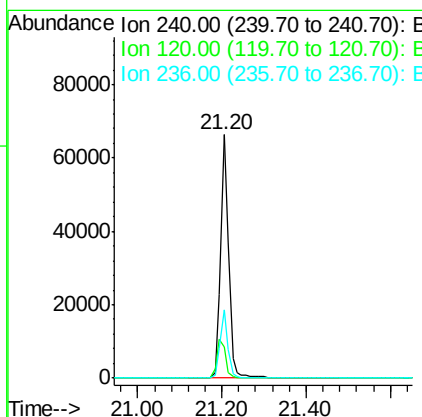
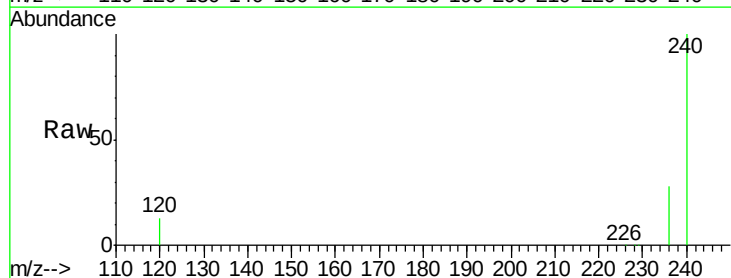
Instrument :
BNA_M
ClientSampleId :
MW-2

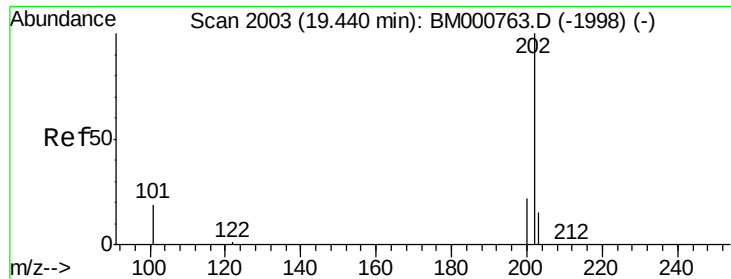
Tgt Ion: 202 Resp: 149
Ion Ratio Lower Upper
202 100
101 14.1 10.5 15.7
203 20.1 13.8 20.8



#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.20 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BM000907.D
Acq: 08 Apr 2015 13:52

Tgt Ion: 240 Resp: 86882
Ion Ratio Lower Upper
240 100
120 12.6 14.9 22.3#
236 28.0 24.2 36.4





#20

Pyrene

Concen: 0.00 ng

RT: 19.44 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

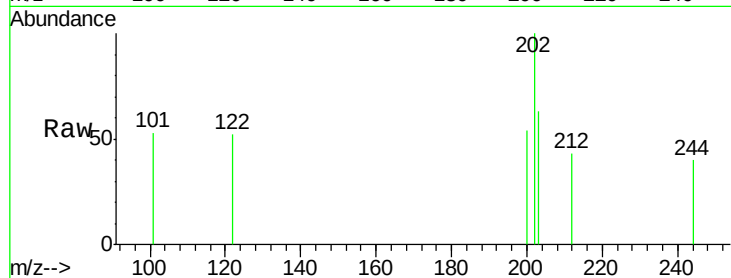
Tgt Ion:202 Resp: 137

Ion Ratio Lower Upper

202 100

200 22.6 16.2 24.2

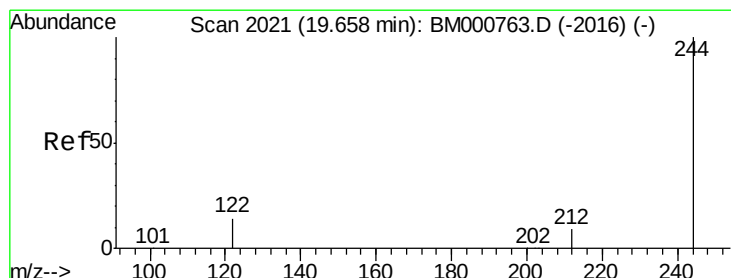
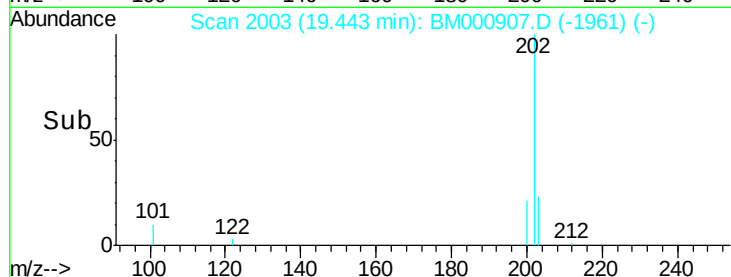
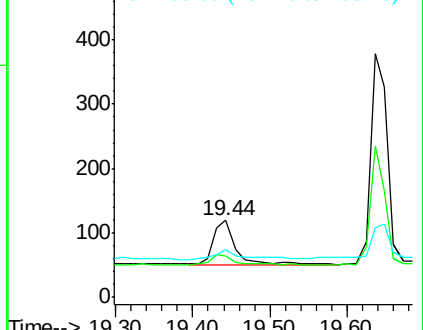
203 22.6 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#21

Terphenyl-d14

Concen: 10.76 ng

RT: 19.65 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

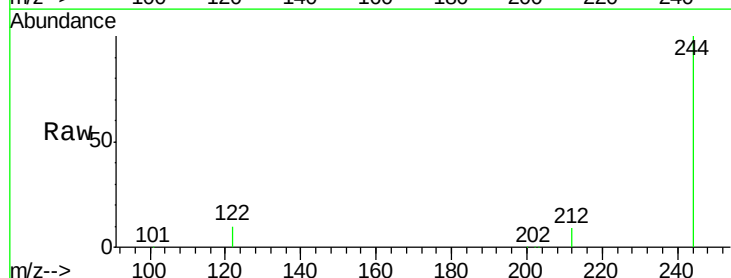
Tgt Ion:244 Resp: 112483

Ion Ratio Lower Upper

244 100

212 8.7 7.8 11.6

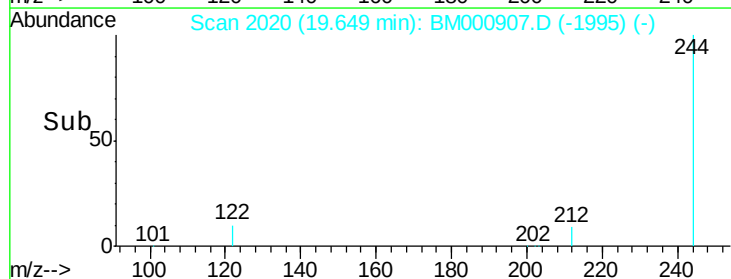
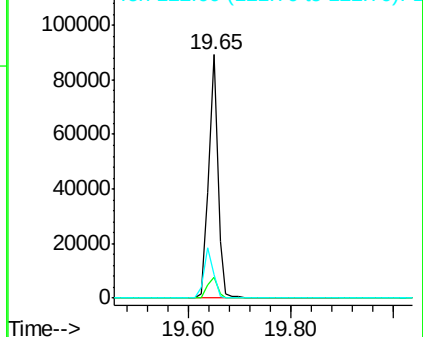
122 9.7 11.8 17.8#

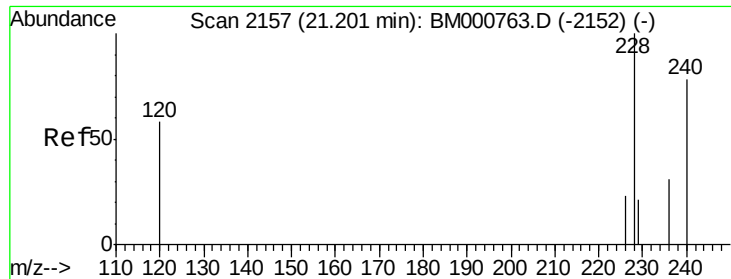


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2

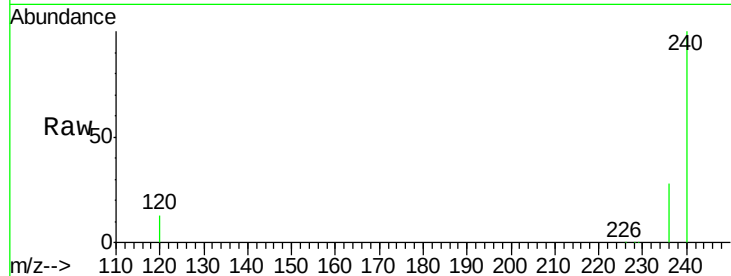
Tgt Ion:228 Resp: 394

Ion Ratio Lower Upper

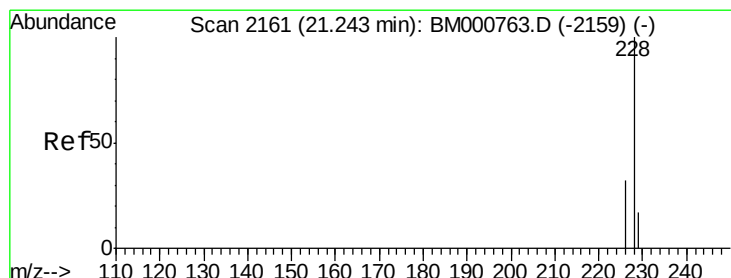
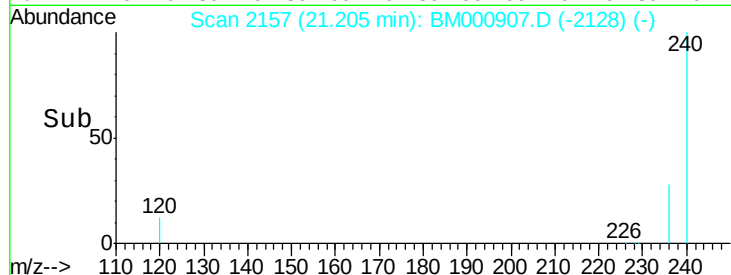
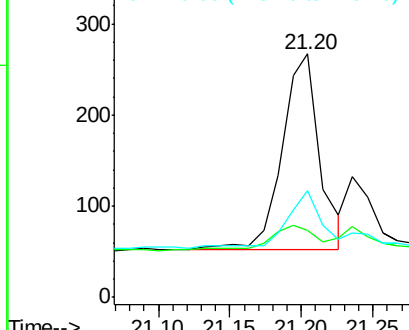
228 100

226 27.3 18.6 27.8

229 43.8 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: BM000907.D

Acq: 08 Apr 2015 13:52

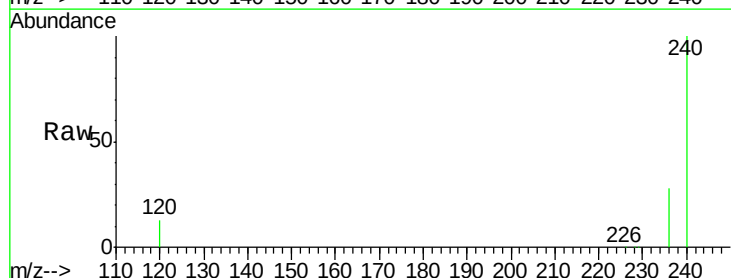
Tgt Ion:228 Resp: 394

Ion Ratio Lower Upper

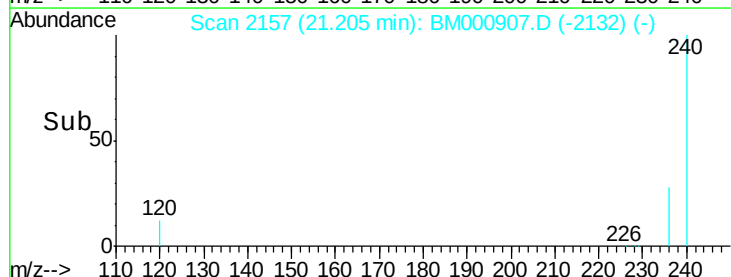
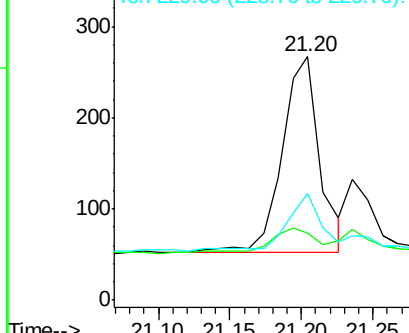
228 100

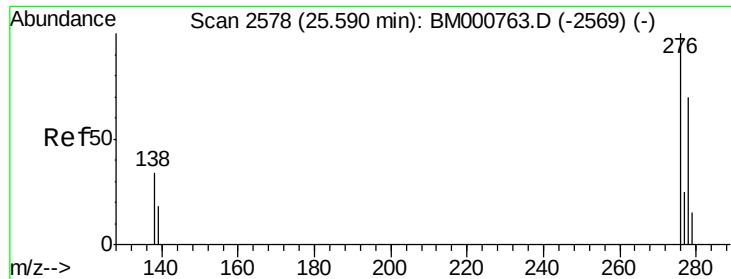
226 27.3 25.8 38.8

229 43.8 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

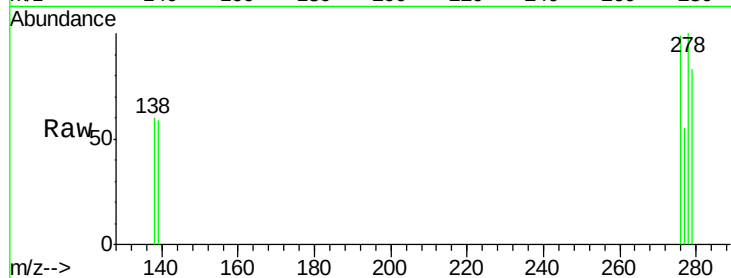




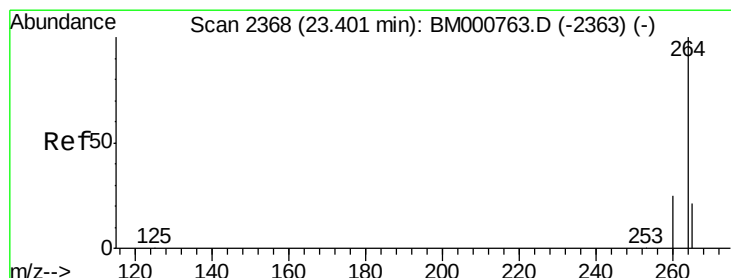
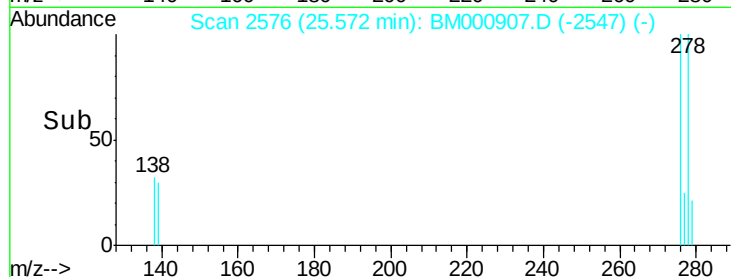
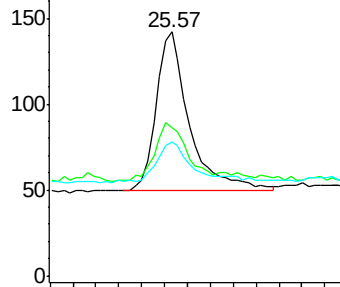
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 25.57 min Scan# 2576
 Delta R.T. 0.00 min
 Lab File: BM000907.D
 Acq: 08 Apr 2015 13:52

Instrument :
 BNA_M
 ClientSampleId :
 MW-2

Tgt Ion: 276 Resp: 367
 Ion Ratio Lower Upper
 276 100
 138 37.6 27.4 41.2
 277 27.5 19.7 29.5

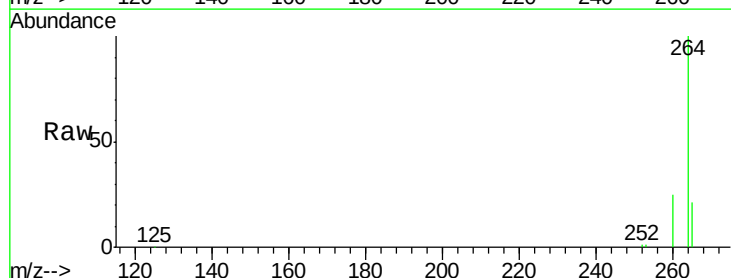


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

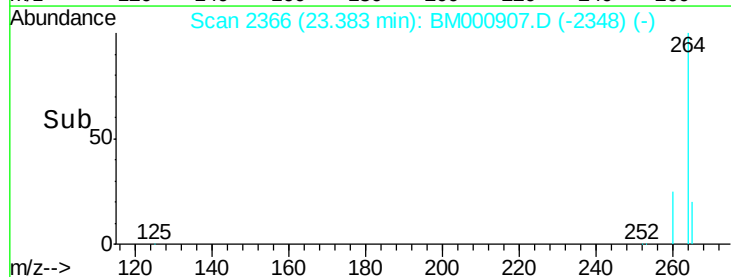
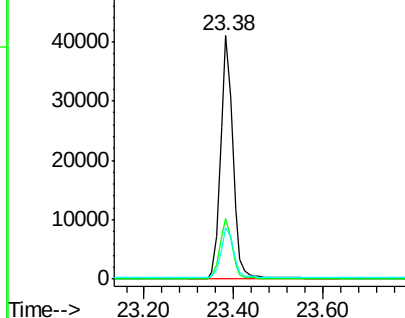


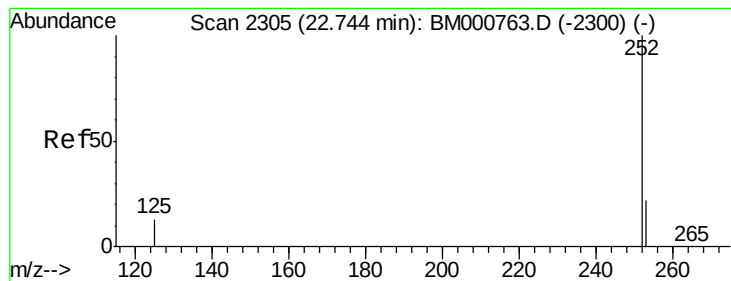
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.38 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: BM000907.D
 Acq: 08 Apr 2015 13:52

Tgt Ion: 264 Resp: 78638
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 21.1 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 22.74 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampled :

MW-2

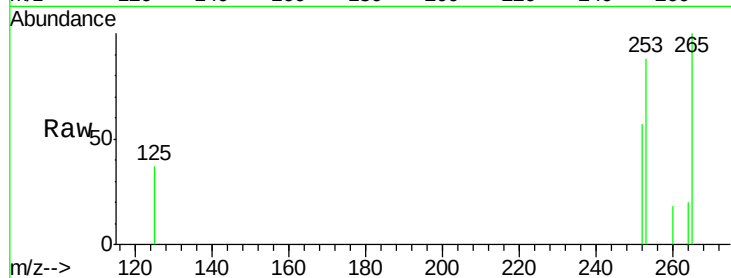
Tgt Ion:252 Resp: 163

Ion Ratio Lower Upper

252 100

253 153.7 18.5 27.7#

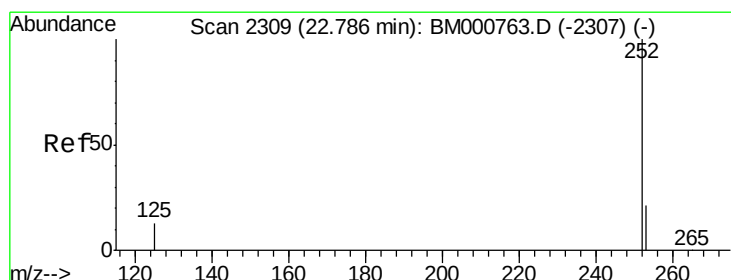
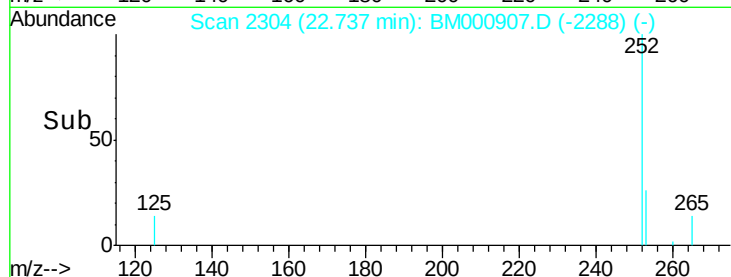
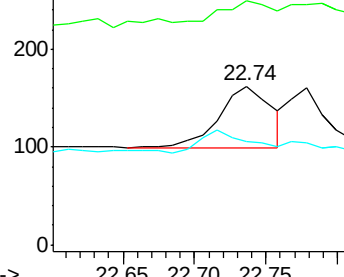
125 64.8 10.6 16.0#



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: 22.74 min Scan# 2304

Delta R.T. -0.04 min

Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

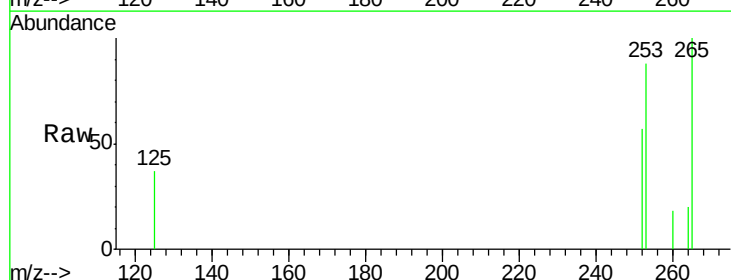
Tgt Ion:252 Resp: 163

Ion Ratio Lower Upper

252 100

253 153.7 17.9 26.9#

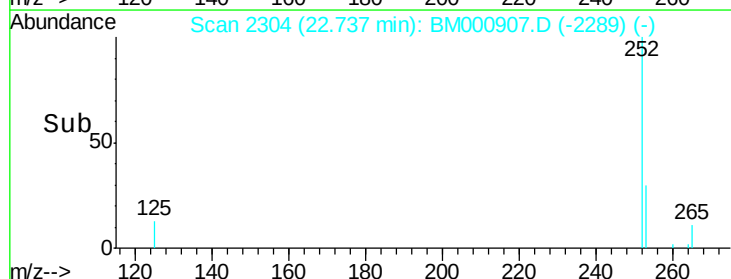
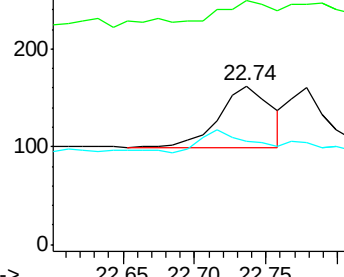
125 64.8 10.8 16.2#

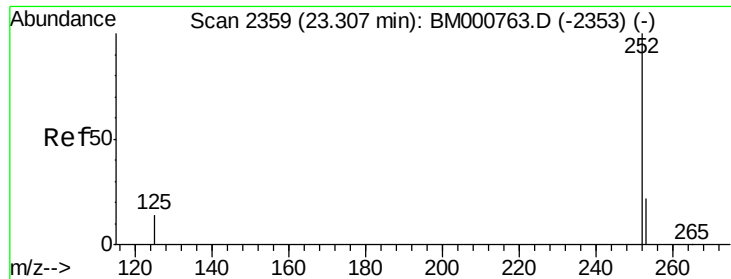


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000907.D

Acq: 08 Apr 2015 13:52

Instrument :

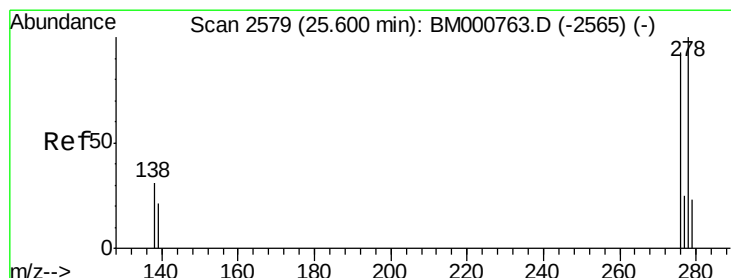
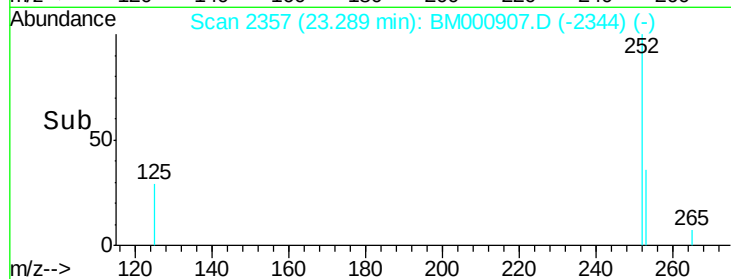
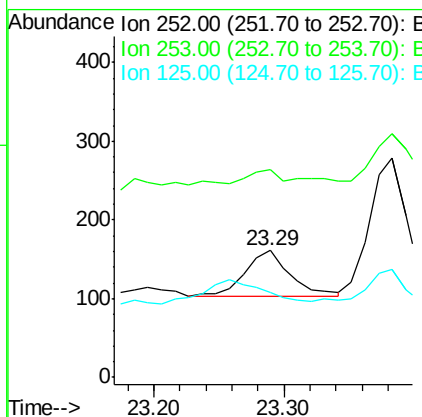
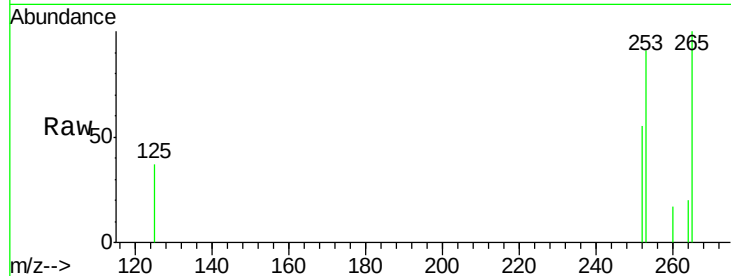
BNA_M

ClientSampleId :

MW-2

Tgt Ion: 252 Resp: 141

Ion	Ratio	Lower	Upper
252	100		
253	164.0	19.4	29.2#
125	67.1	11.5	17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 25.58 min Scan# 2577

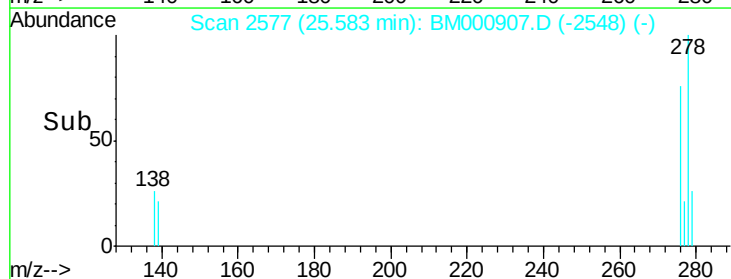
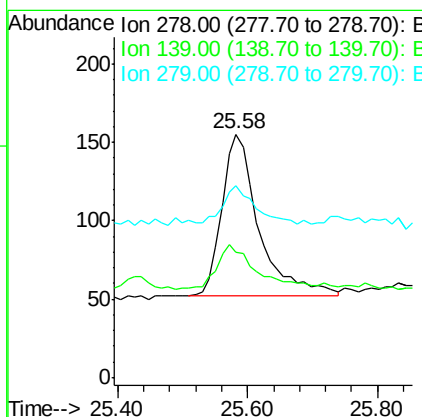
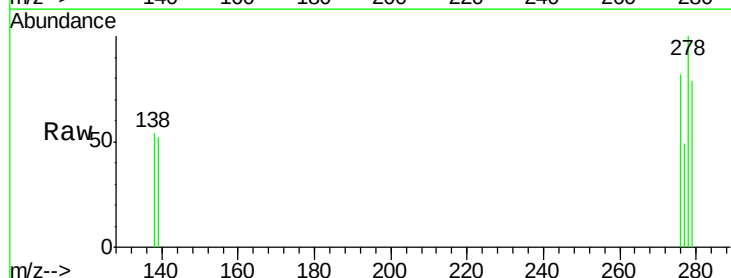
Delta R.T. 0.00 min

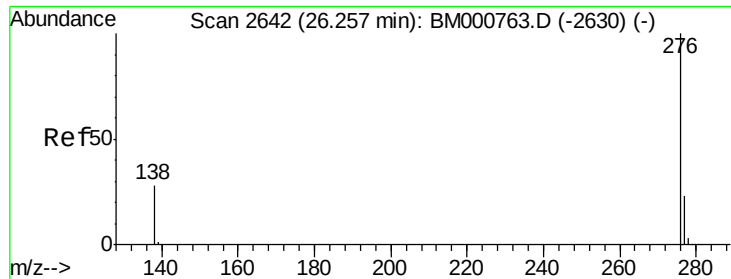
Lab File: BM000907.D

Acq: 08 Apr 2015 13:52

Tgt Ion: 278 Resp: 407

Ion	Ratio	Lower	Upper
278	100		
139	51.6	17.8	26.6#
279	78.7	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: BM000907.D

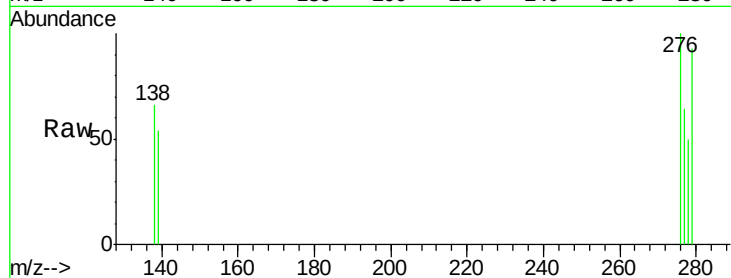
Acq: 08 Apr 2015 13:52

Instrument :

BNA_M

ClientSampleId :

MW-2



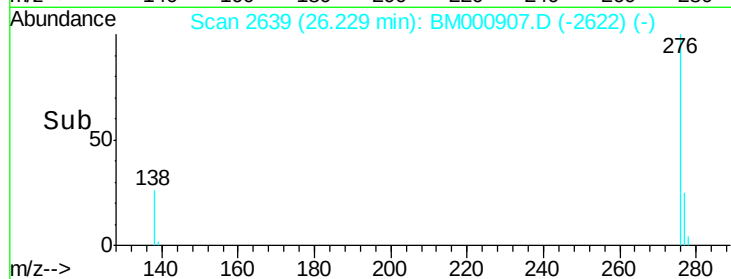
Tgt Ion: 276 Resp: 224

Ion Ratio Lower Upper

276 100

277 64.5 19.1 28.7#

138 66.4 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

