

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000915.D
 Acq On : 08 Apr 2015 18:36
 Operator : TP/IZ
 Sample : G1767-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-2

Quant Time: Apr 09 03:49:10 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	27007	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	93531	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	47962	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	107334	5.00	ng	0.00
19) Chrysene-d12	21.21	240	91893	5.00	ng	0.00
25) Perylene-d12	23.39	264	84782	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	41585	7.26	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	132807	8.93	ng	0.00
21) Terphenyl-d14	19.65	244	119684	10.82	ng	0.00

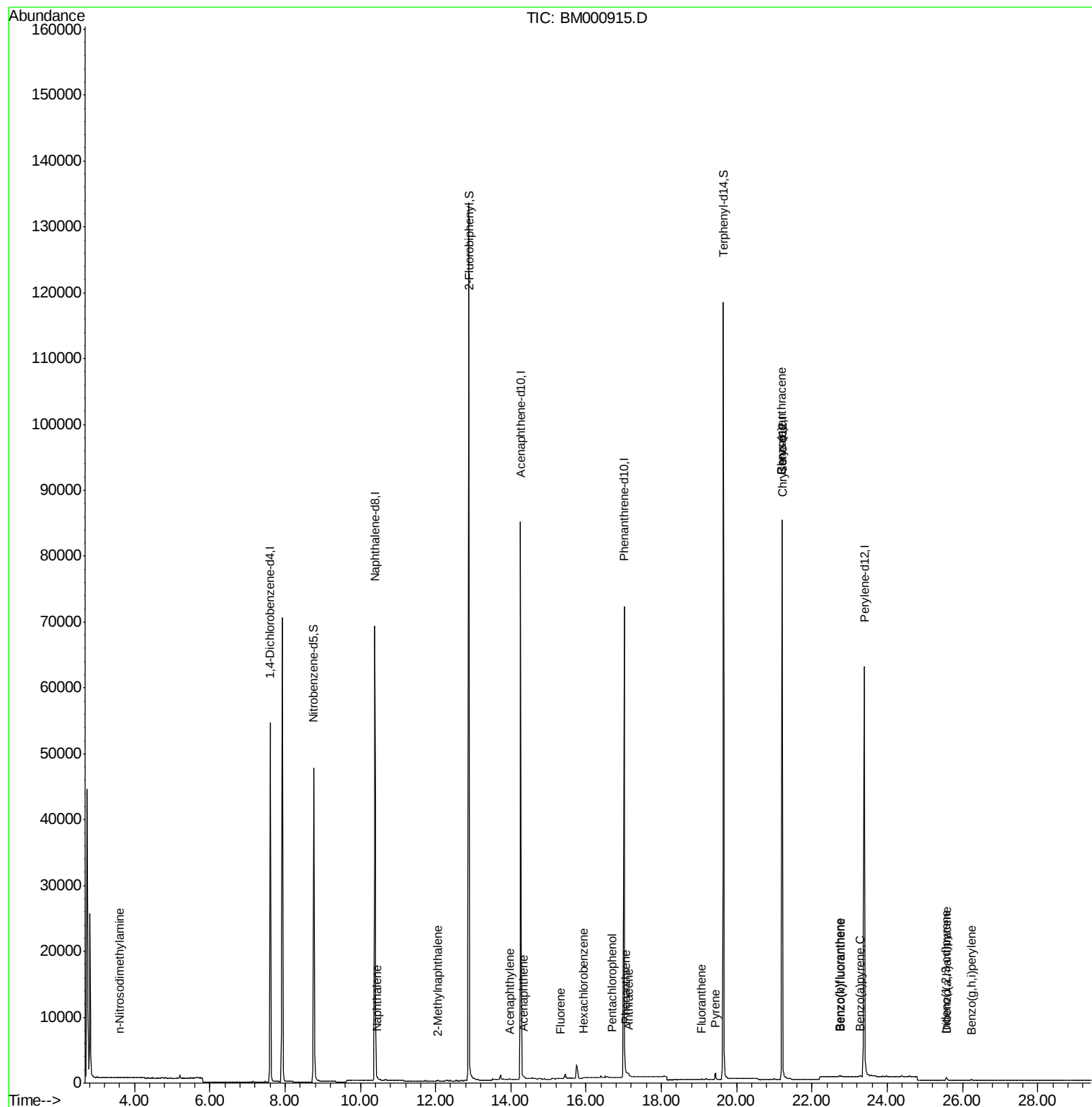
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.60	42	53	0.17	ng	# 9
6) Naphthalene	10.44	128	99	0.00	ng	# 1
7) 2-Methylnaphthalene	12.07	142	42	0.00	ng	# 37
10) Acenaphthylene	13.97	152	61	0.00	ng	# 62
11) Acenaphthene	14.33	154	78	0.01	ng	# 54
12) Fluorene	15.32	166	49	0.00	ng	# 87
14) Hexachlorobenzene	15.92	284	185	0.03	ng	# 1
15) Pentachlorophenol	16.68	266	55	0.40	ng	# 64
16) Phenanthrene	17.05	178	293	0.01	ng	# 78
17) Anthracene	17.13	178	452	0.02	ng	# 78
18) Fluoranthene	19.08	202	231	0.01	ng	# 94
20) Pyrene	19.44	202	1084	0.04	ng	# 93
22) Benzo(a)anthracene	21.20	228	707	0.03	ng	# 64
23) Chrysene	21.20	228	707	0.03	ng	# 75
24) Indeno(1,2,3-cd)pyrene	25.57	276	447	0.02	ng	# 94
26) Benzo(b)fluoranthene	22.73	252	205	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.78	252	180	0.01	ng	# 1
28) Benzo(a)pyrene	23.29	252	173	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.58	278	502	0.02	ng	# 21
30) Benzo(g,h,i)perylene	26.24	276	300	0.01	ng	# 34

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

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Quant Time: Apr 09 03:49:10 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: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

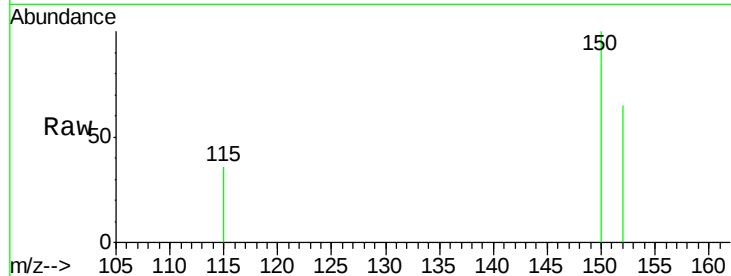
Tgt Ion:152 Resp: 27007

Ion Ratio Lower Upper

152 100

150 153.5 120.8 181.2

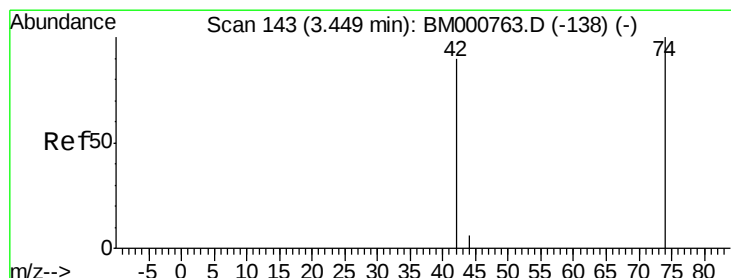
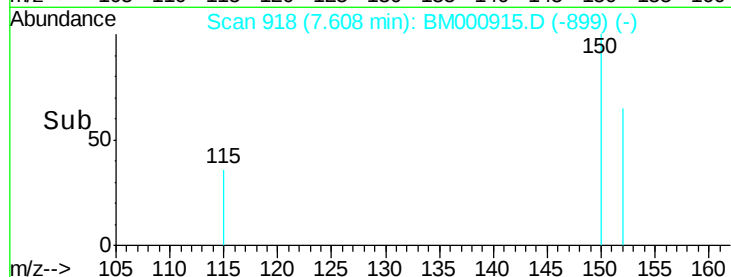
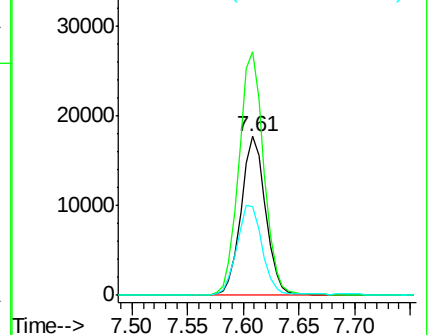
115 55.6 42.7 64.1



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: 3.60 min Scan# 172

Delta R.T. 0.17 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

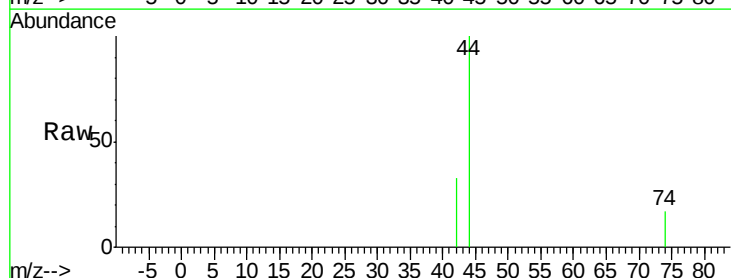
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

42 100

74 11.3 93.6 140.4#

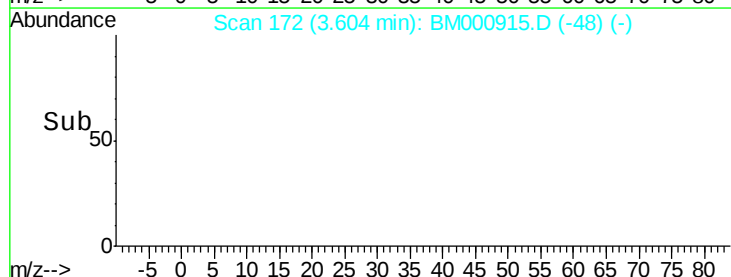
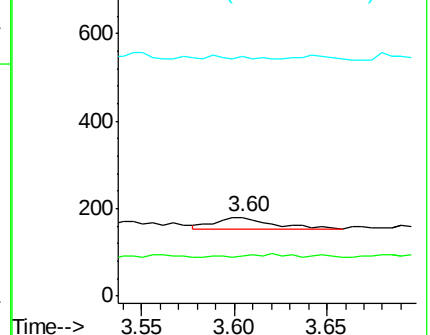
44 11.3 6.3 9.5#

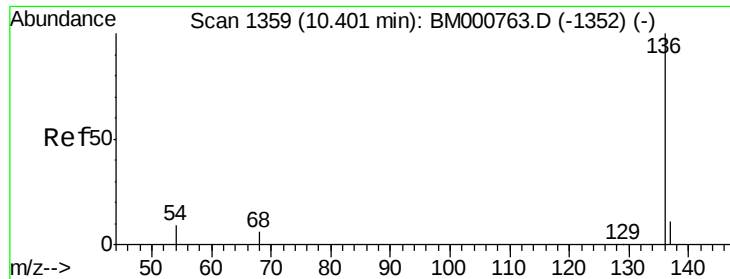


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

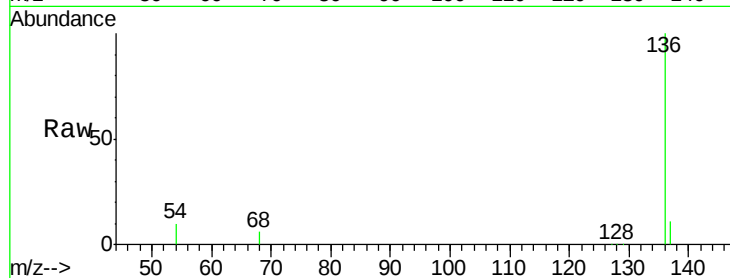
Tgt Ion:136 Resp: 93531

Ion Ratio Lower Upper

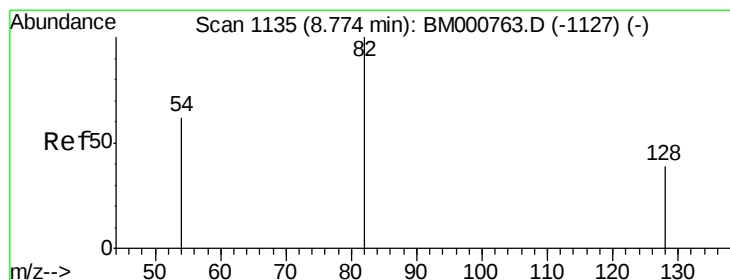
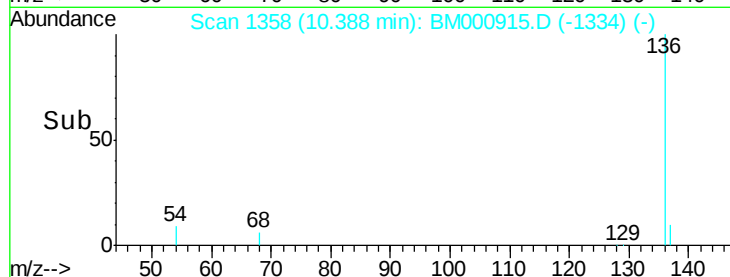
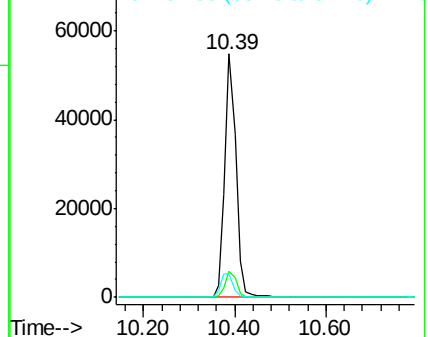
136 100

137 10.6 8.6 12.8

54 9.5 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 7.26 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

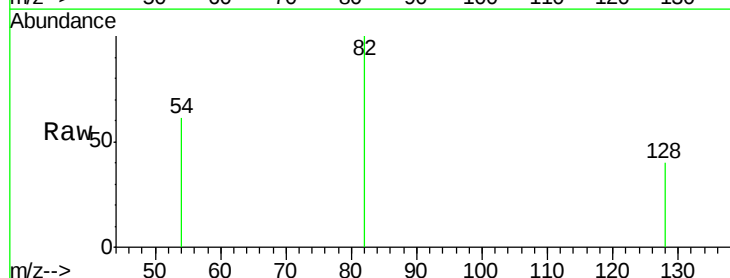
Tgt Ion: 82 Resp: 41585

Ion Ratio Lower Upper

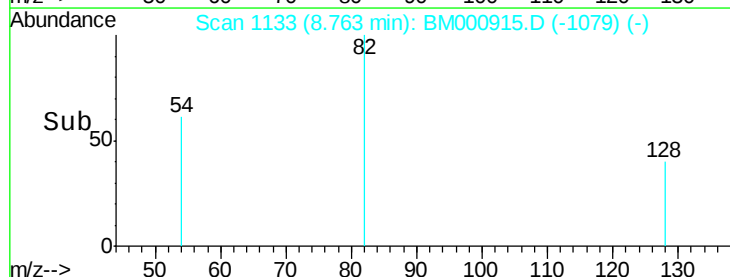
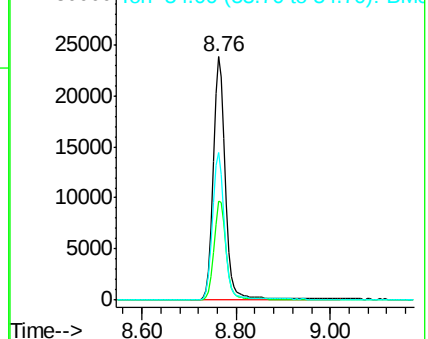
82 100

128 40.5 32.2 48.2

54 60.7 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 0.00 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampled :

MW-2

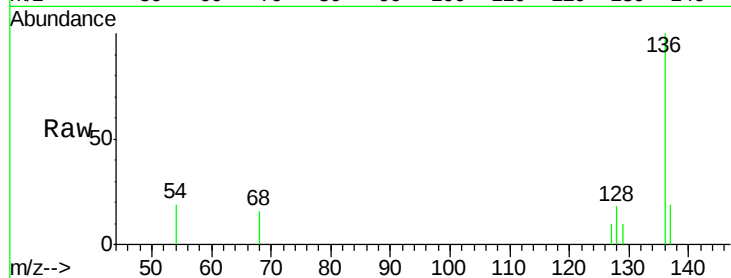
Tgt Ion:128 Resp: 99

Ion Ratio Lower Upper

128 100

129 58.2 8.9 13.3#

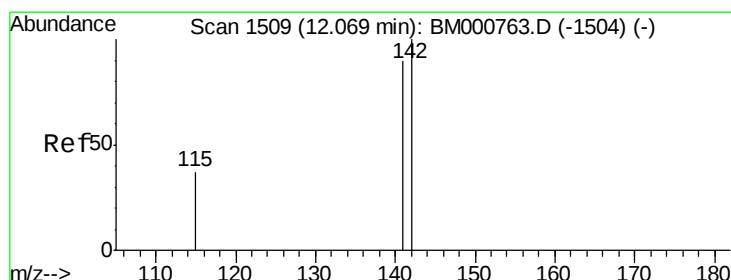
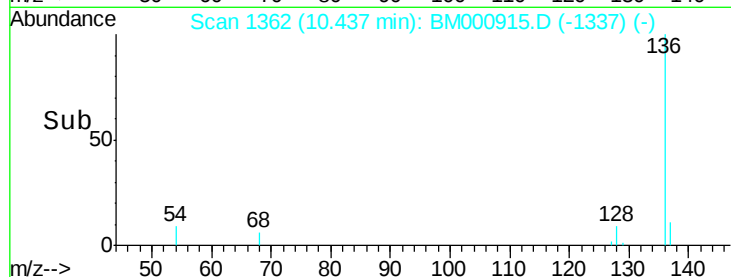
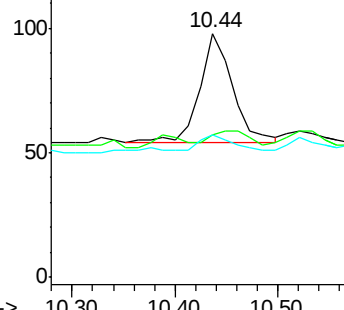
127 58.2 10.0 15.0#



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: BM000915.D

Acq: 08 Apr 2015 18:36

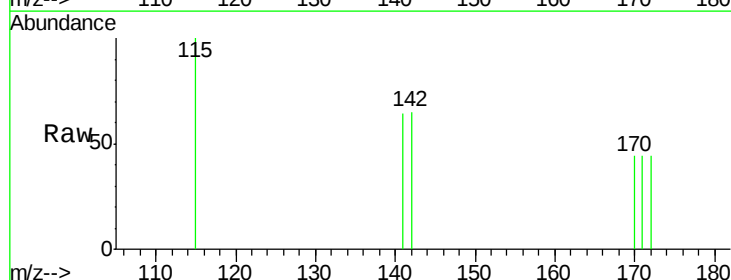
Tgt Ion:142 Resp: 42

Ion Ratio Lower Upper

142 100

141 98.6 72.3 108.5

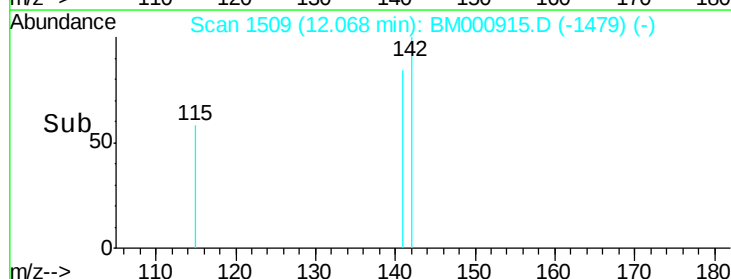
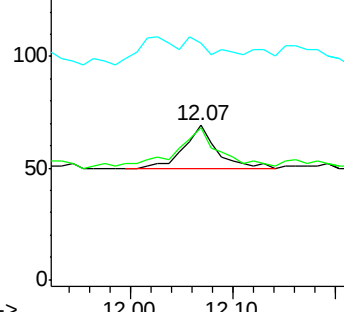
115 153.6 29.5 44.3#



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: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

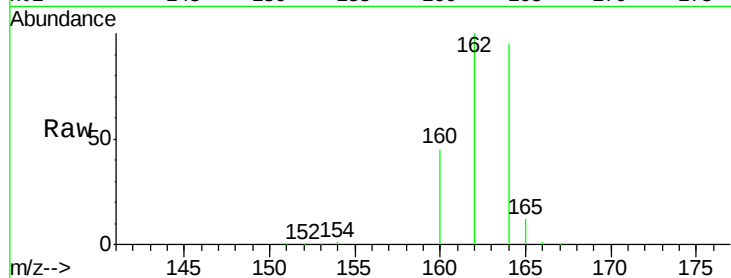
Tgt Ion:164 Resp: 47962

Ion Ratio Lower Upper

164 100

162 105.0 75.4 113.2

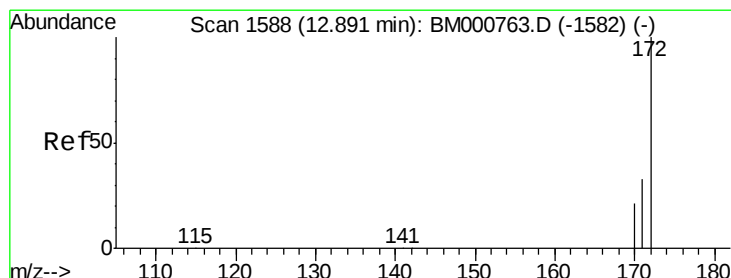
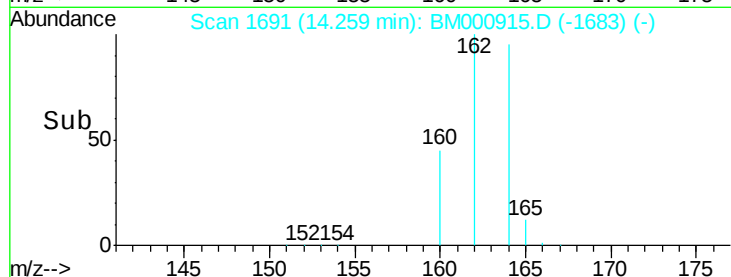
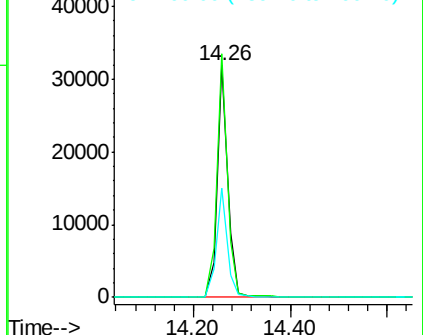
160 47.2 30.8 46.2#



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



#9

2-Fluorobiphenyl

Concen: 8.93 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

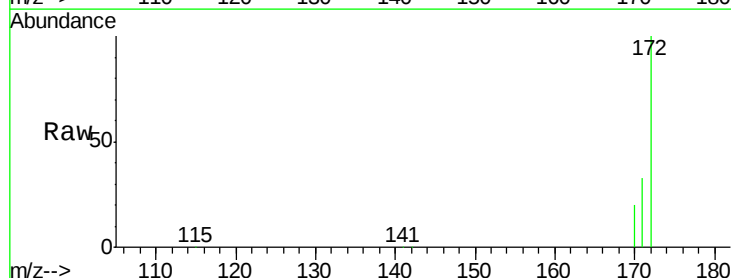
Tgt Ion:172 Resp: 132807

Ion Ratio Lower Upper

172 100

171 32.7 26.6 39.8

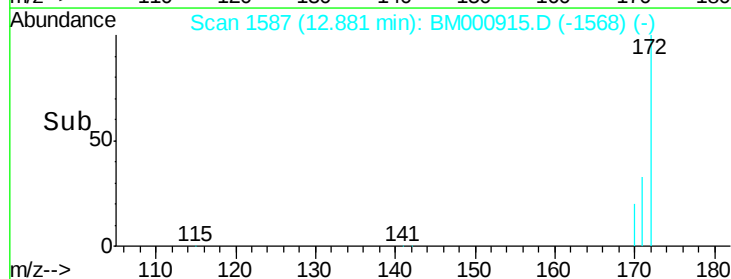
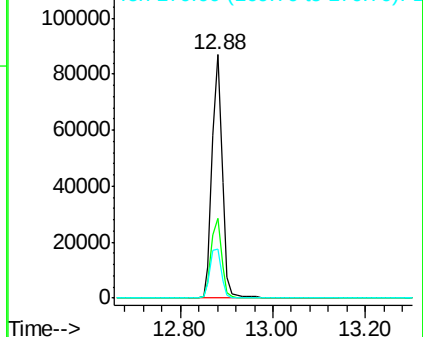
170 20.4 17.1 25.7

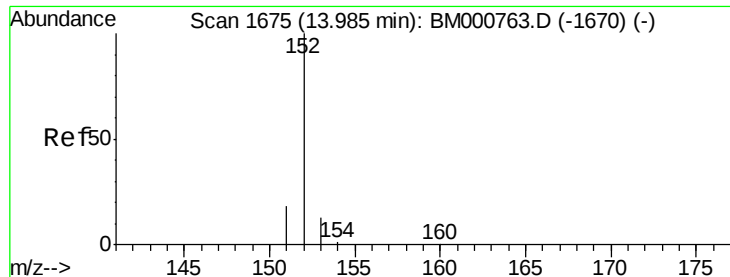


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.00 ng

RT: 13.97 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

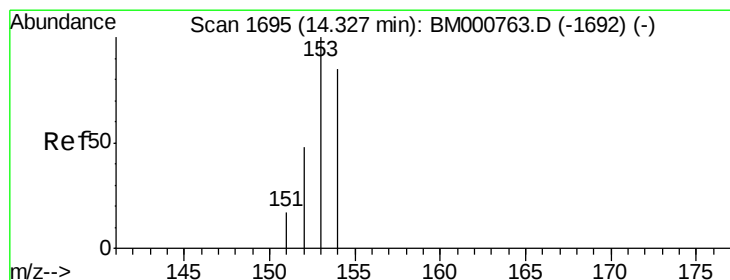
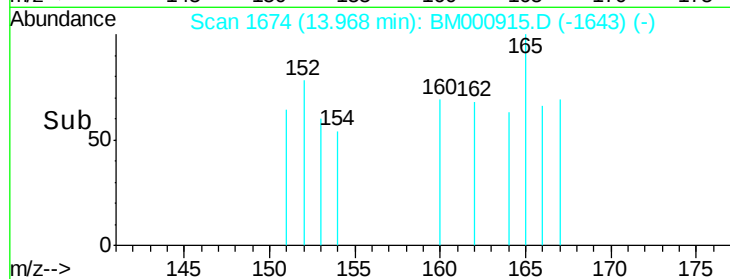
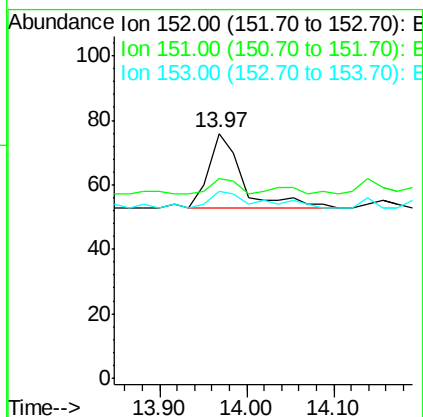
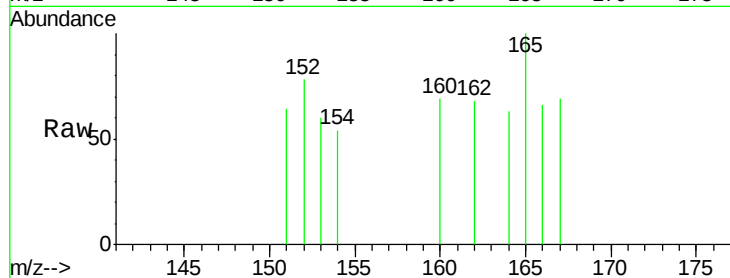
Tgt Ion:152 Resp: 61

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#

153 0.0 10.2 15.4#



#11

Acenaphthene

Concen: 0.01 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

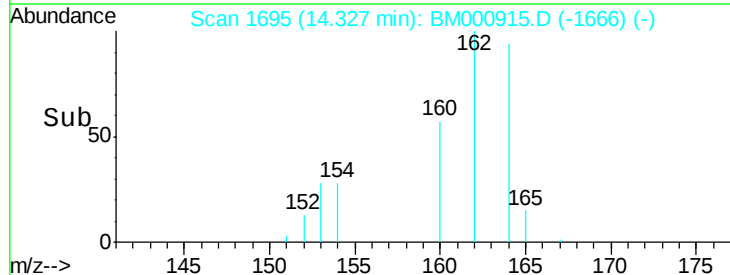
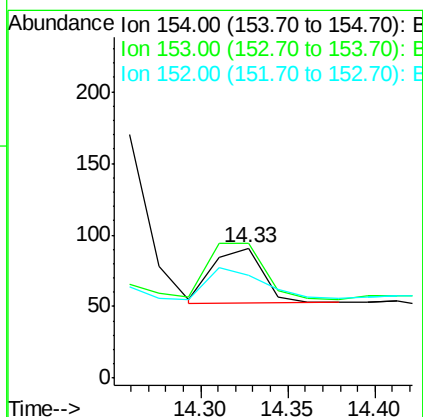
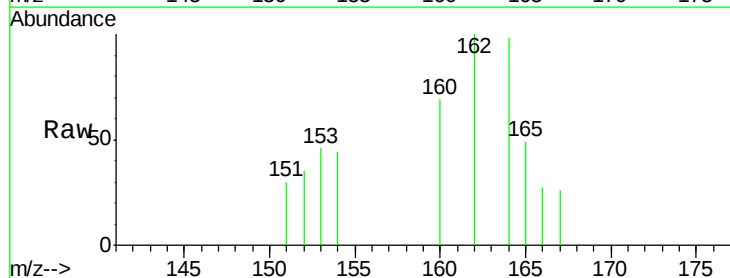
Tgt Ion:154 Resp: 78

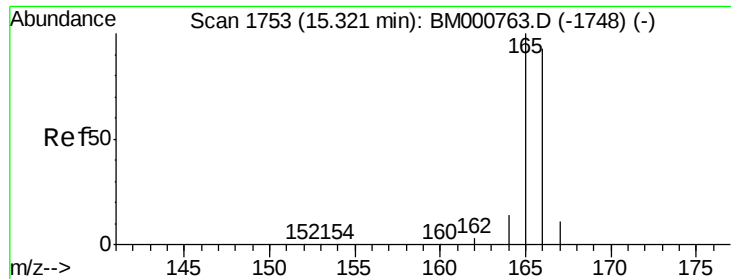
Ion Ratio Lower Upper

154 100

153 174.4 87.3 130.9#

152 64.1 43.0 64.6

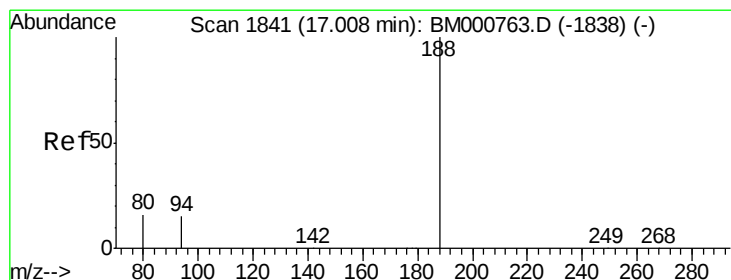
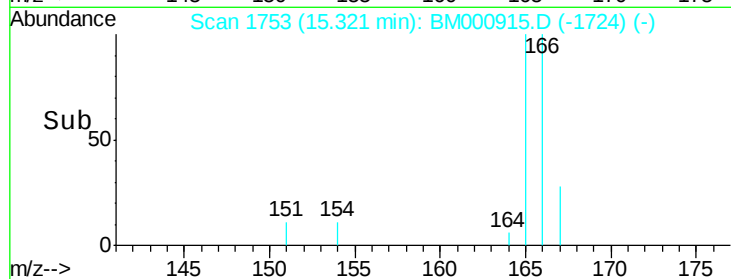
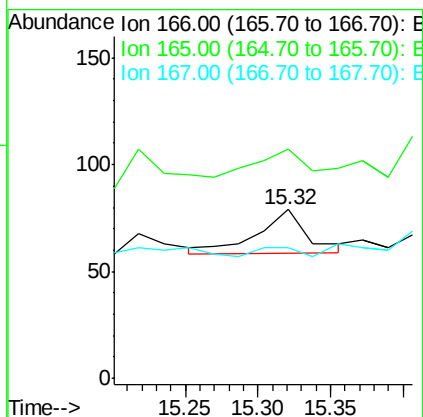
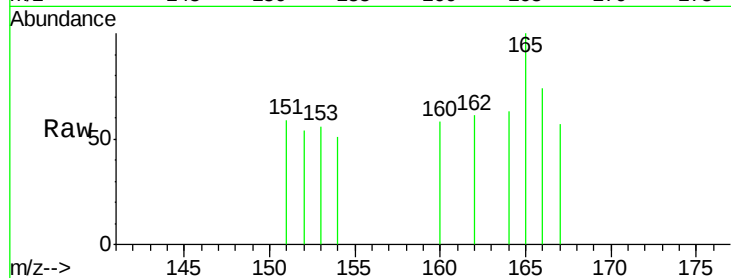




#12
Fluorene
 Concen: 0.00 ng
 RT: 15.32 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: BM000915.D
 Acq: 08 Apr 2015 18:36

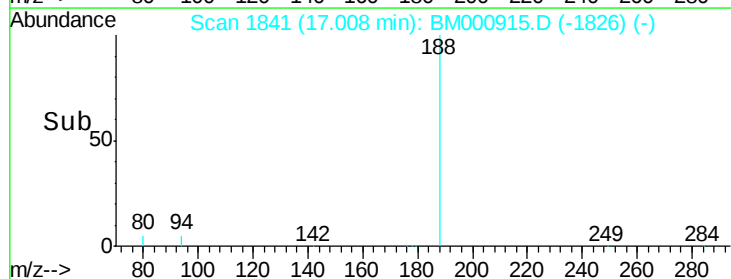
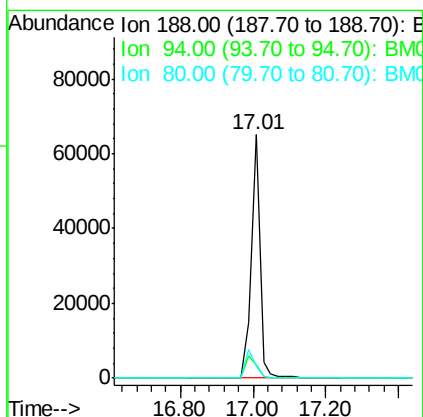
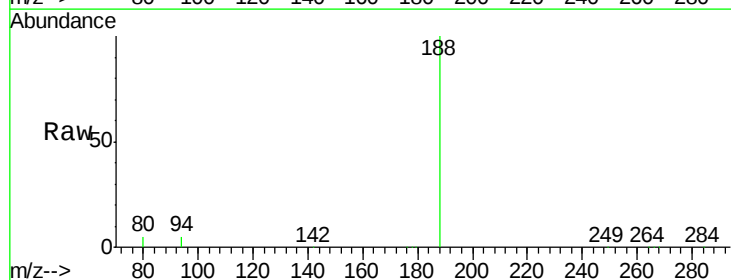
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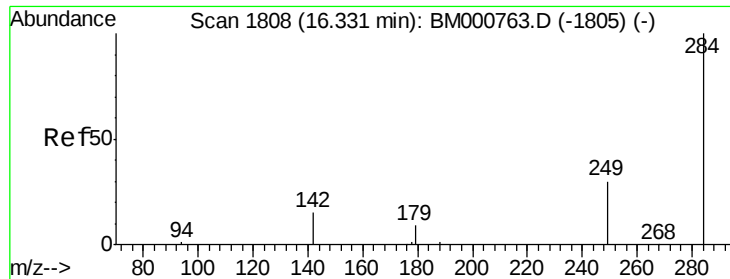
Tgt Ion:166 Resp: 49
 Ion Ratio Lower Upper
 166 100
 165 87.8 78.2 117.2
 167 0.0 10.7 16.1#



#13
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.01 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BM000915.D
 Acq: 08 Apr 2015 18:36

Tgt Ion:188 Resp: 107334
 Ion Ratio Lower Upper
 188 100
 94 5.2 12.0 18.0#
 80 4.7 12.8 19.2#

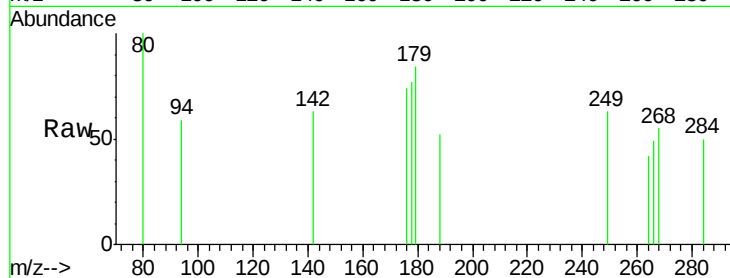




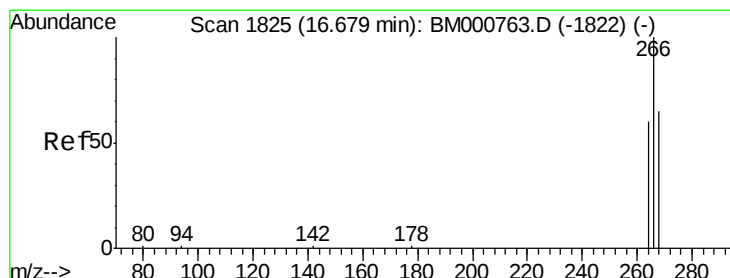
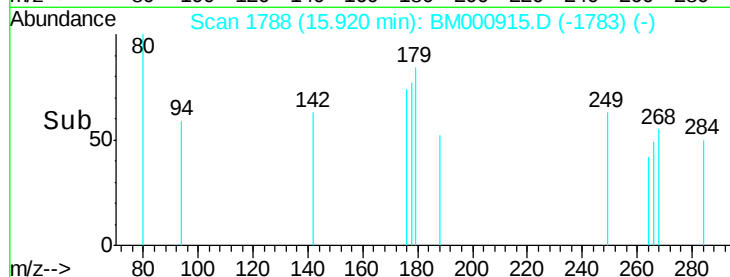
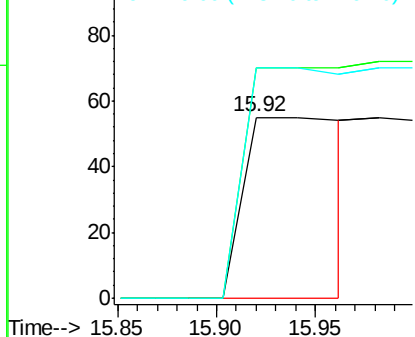
#14
Hexachlorobenzene
Concen: 0.03 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

Instrument :
BNA_M
ClientSampleId :
MW-2

Tgt Ion: 284 Resp: 185
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 127.0 25.2 37.8#

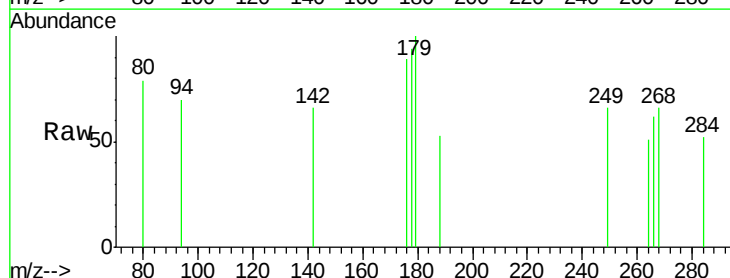


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

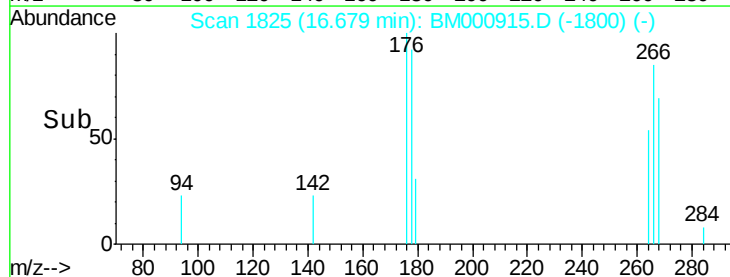
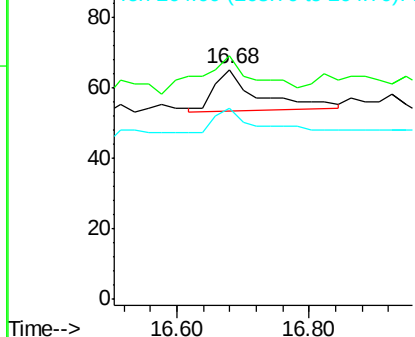


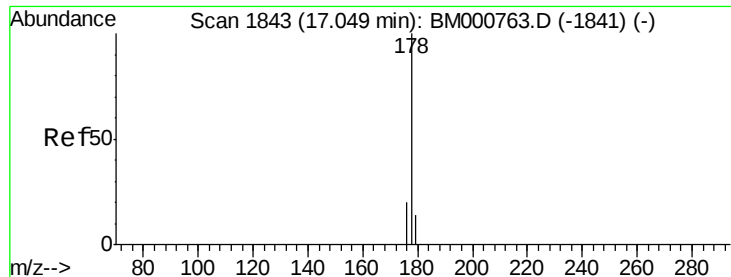
#15
Pentachlorophenol
Concen: 0.40 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

Tgt Ion: 266 Resp: 55
Ion Ratio Lower Upper
266 100
268 106.2 55.0 82.6#
264 83.1 51.0 76.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.01 ng

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

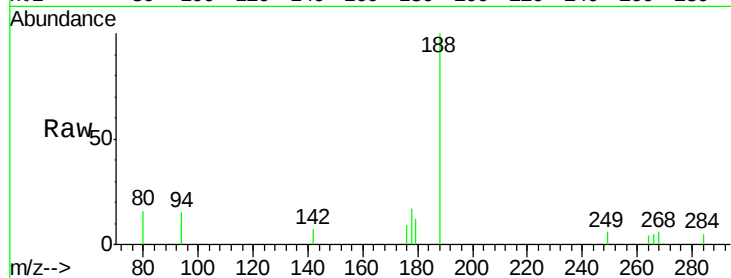
Tgt Ion:178 Resp: 293

Ion Ratio Lower Upper

178 100

176 24.2 15.3 22.9#

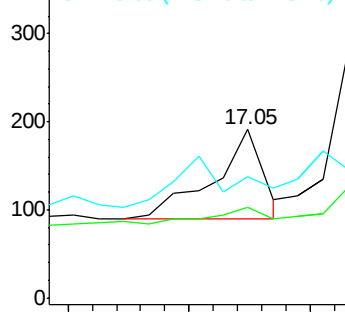
179 0.0 12.2 18.2#



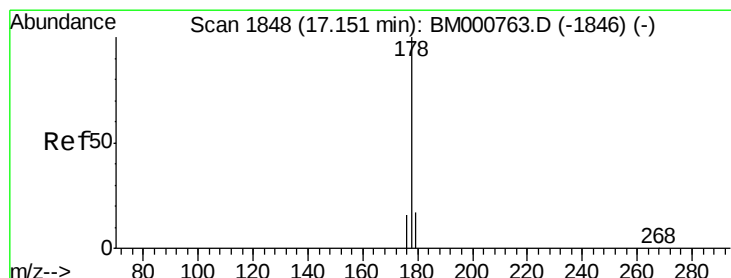
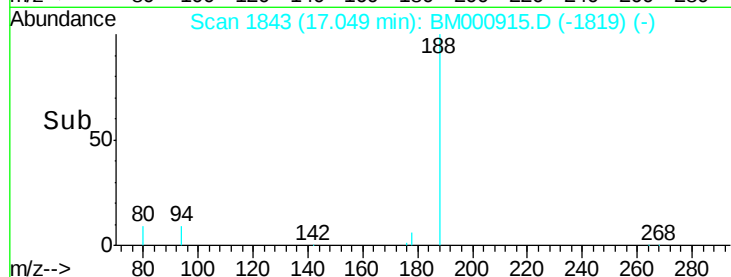
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.90 17.00 17.10



#17

Anthracene

Concen: 0.02 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

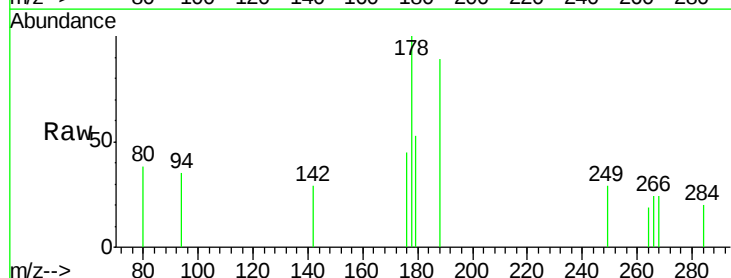
Tgt Ion:178 Resp: 452

Ion Ratio Lower Upper

178 100

176 22.8 14.6 22.0#

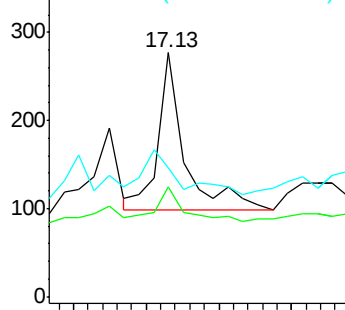
179 0.0 12.2 18.4#



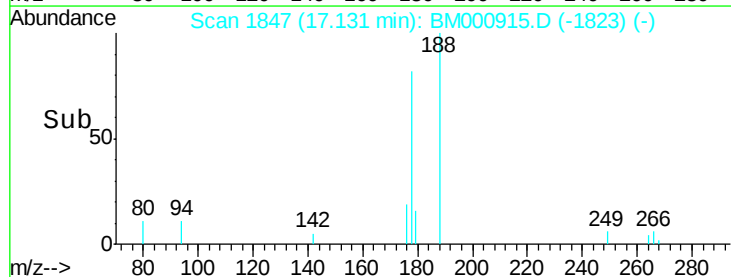
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.10 17.20 17.30

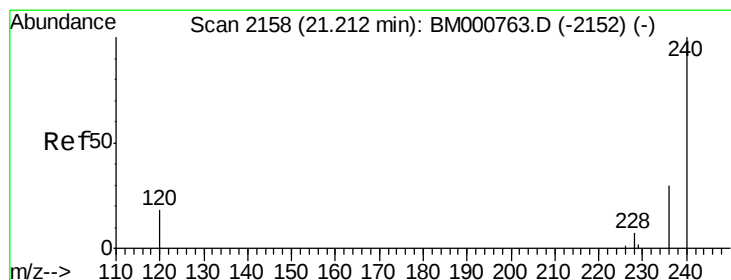
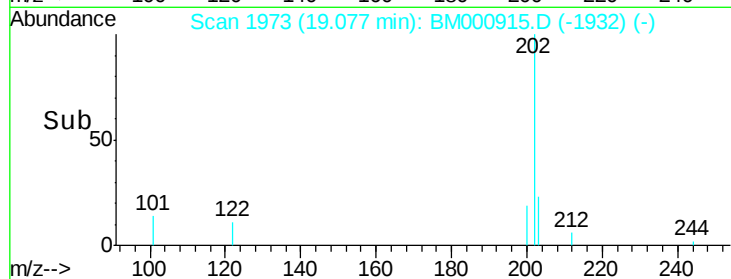
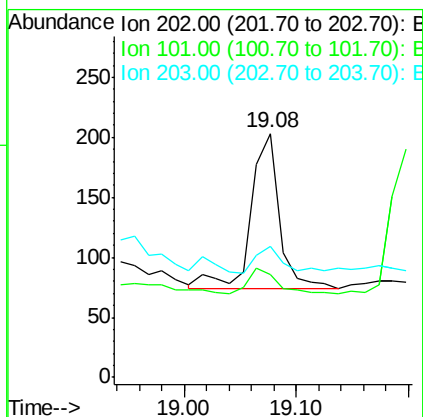
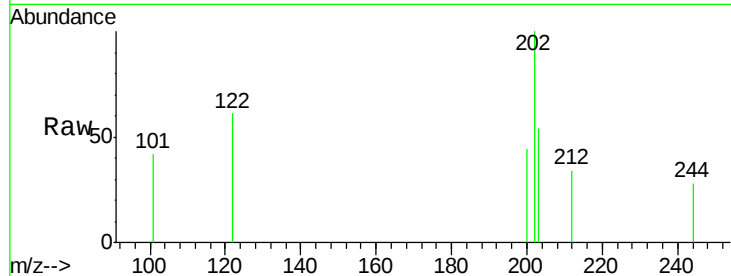




#18
 Fluoranthene
 Concen: 0.01 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000915.D
 Acq: 08 Apr 2015 18:36

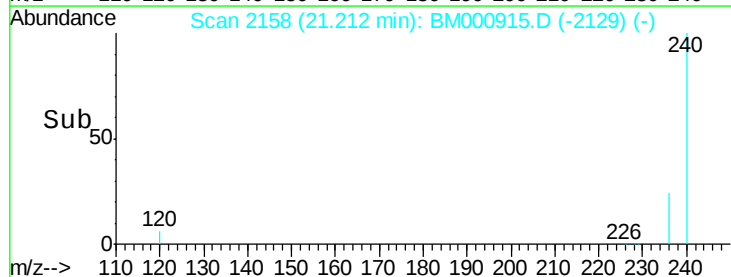
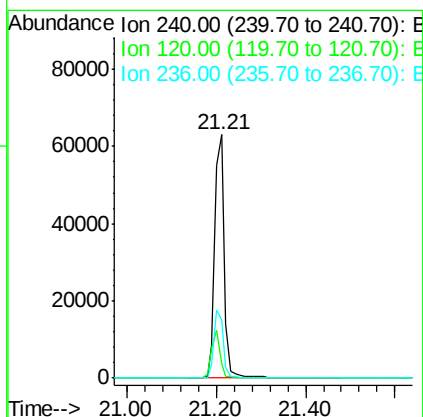
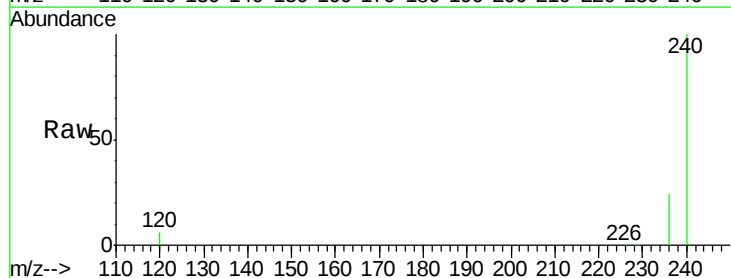
Instrument :
 BNA_M
 ClientSampleId :
 MW-2

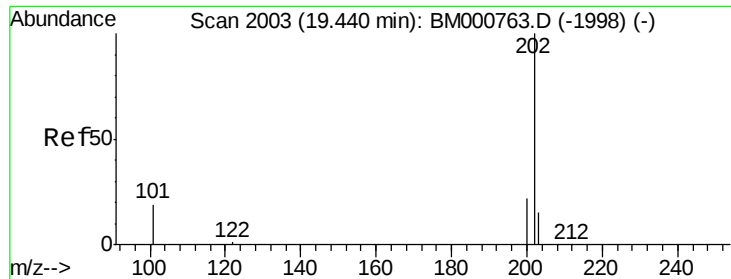
Tgt Ion: 202 Resp: 231
 Ion Ratio Lower Upper
 202 100
 101 17.3 10.5 15.7#
 203 16.5 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000915.D
 Acq: 08 Apr 2015 18:36

Tgt Ion: 240 Resp: 91893
 Ion Ratio Lower Upper
 240 100
 120 5.9 14.9 22.3#
 236 23.7 24.2 36.4#

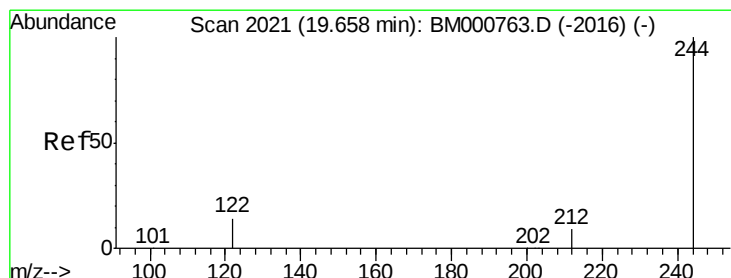
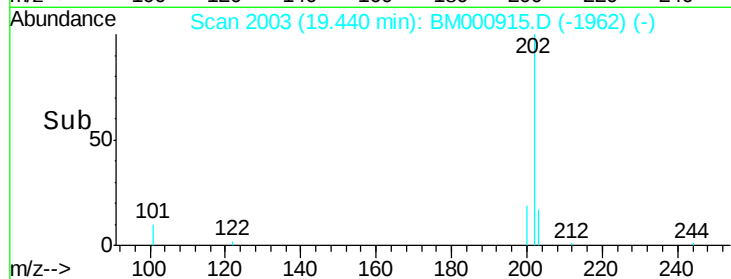
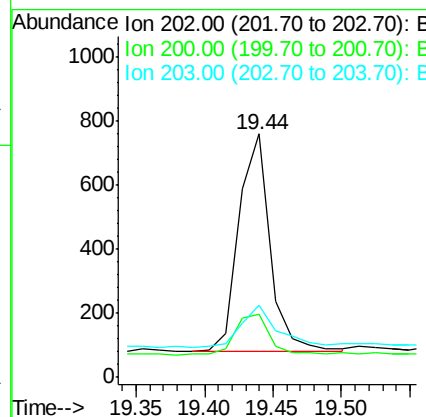
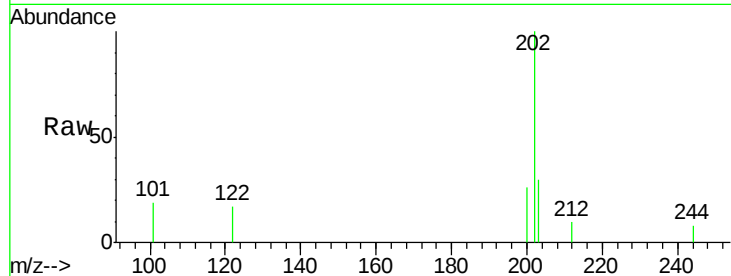




#20
Pyrene
Concen: 0.04 ng
RT: 19.44 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

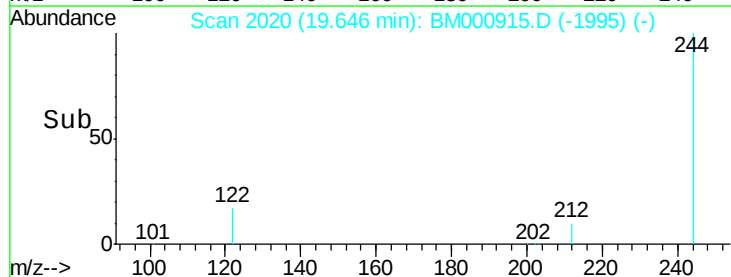
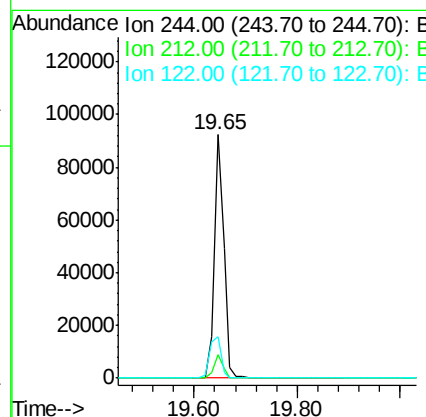
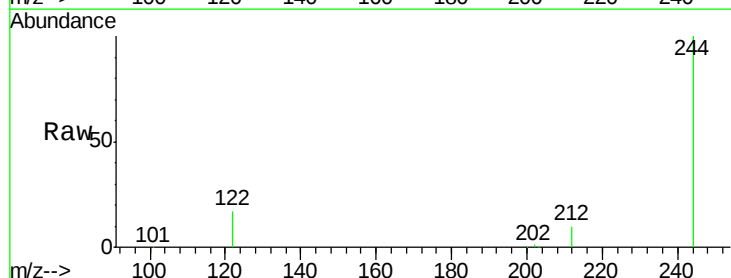
Instrument :
BNA_M
ClientSampleId :
MW-2

Tgt Ion:202 Resp: 1084
Ion Ratio Lower Upper
202 100
200 21.3 16.2 24.2
203 23.2 13.9 20.9#



#21
Terphenyl-d14
Concen: 10.82 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

Tgt Ion:244 Resp: 119684
Ion Ratio Lower Upper
244 100
212 9.9 7.8 11.6
122 17.3 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

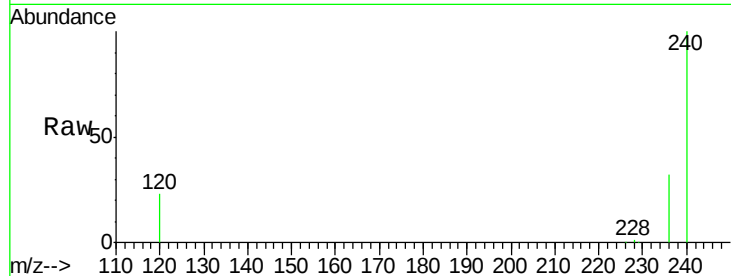
Tgt Ion:228 Resp: 707

Ion Ratio Lower Upper

228 100

226 31.7 18.6 27.8#

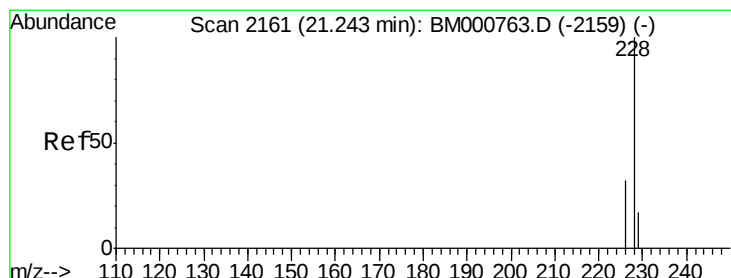
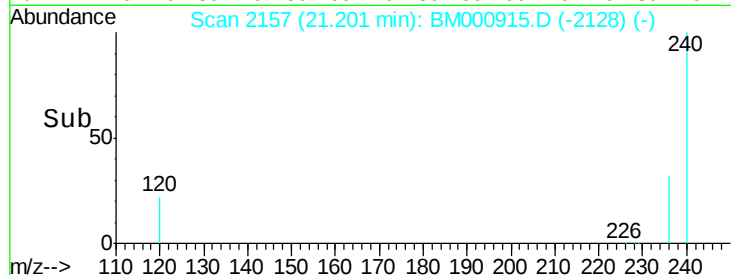
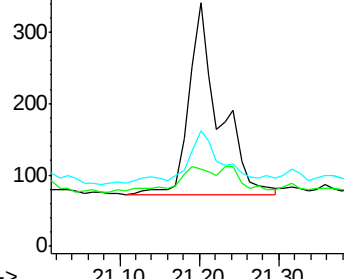
229 47.5 17.2 25.8#



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: 0.03 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

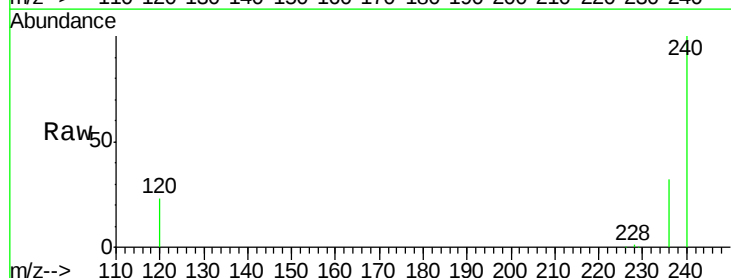
Tgt Ion:228 Resp: 707

Ion Ratio Lower Upper

228 100

226 31.7 25.8 38.8

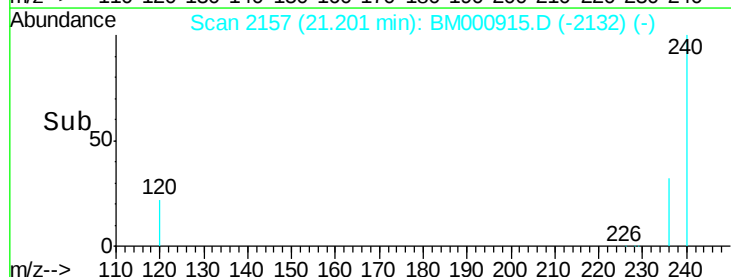
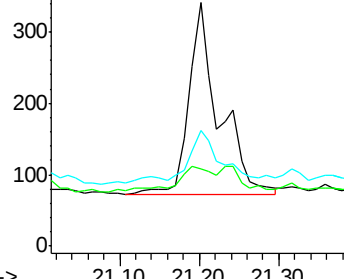
229 47.5 13.8 20.6#



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

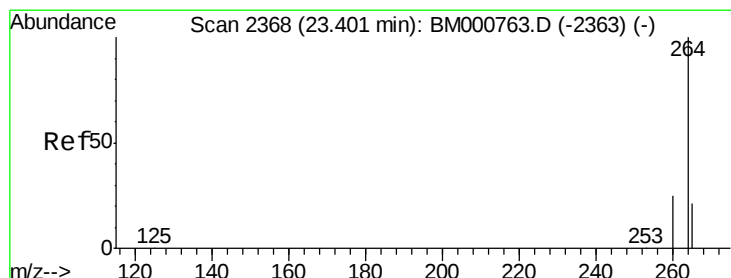
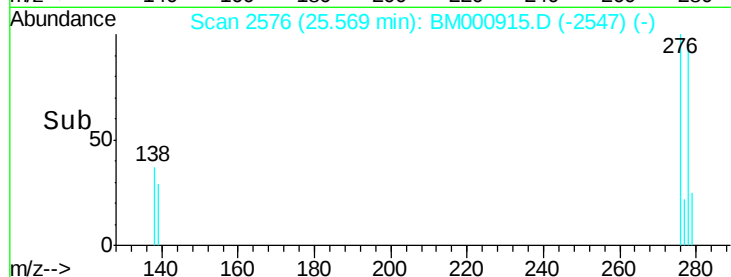
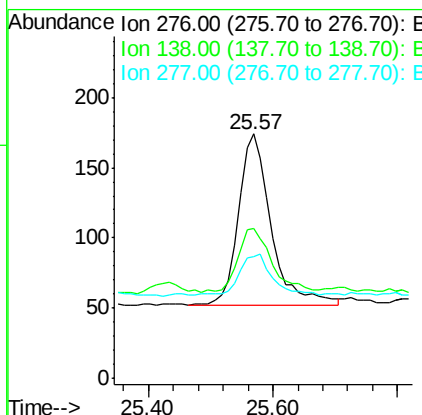
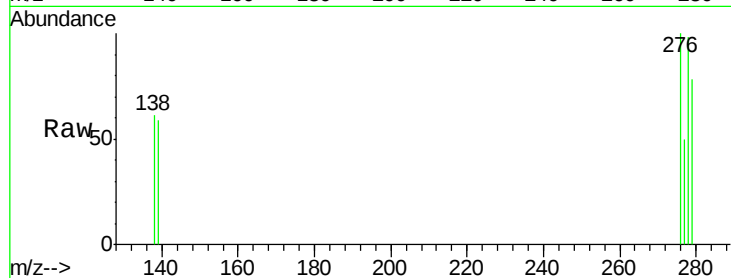




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng
 RT: 25.57 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: BM000915.D
 Acq: 08 Apr 2015 18:36

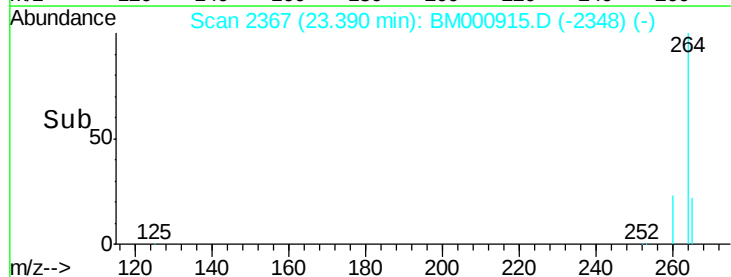
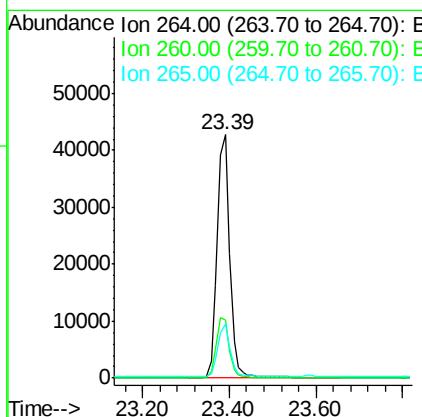
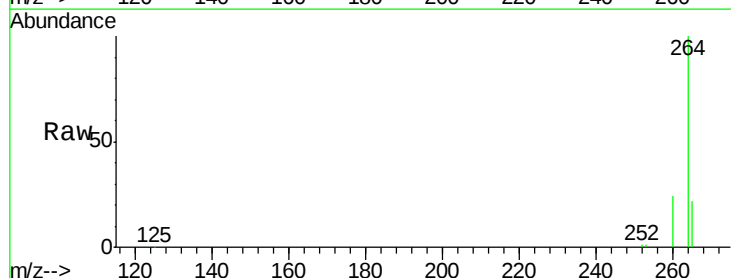
Instrument :
 BNA_M
 ClientSampleId :
 MW-2

Tgt Ion: 276 Resp: 447
 Ion Ratio Lower Upper
 276 100
 138 40.3 27.4 41.2
 277 25.1 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: BM000915.D
 Acq: 08 Apr 2015 18:36

Tgt Ion: 264 Resp: 84782
 Ion Ratio Lower Upper
 264 100
 260 23.6 20.1 30.1
 265 22.4 17.4 26.0

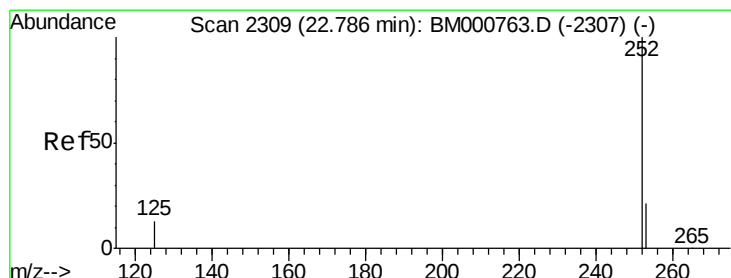
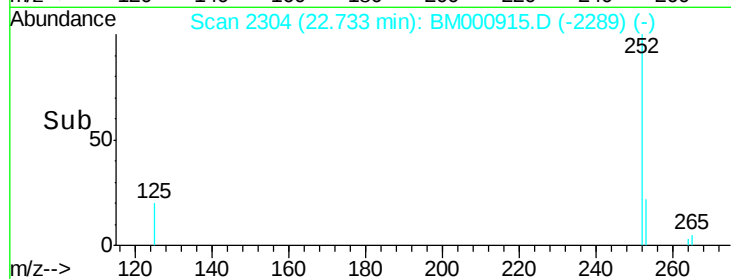
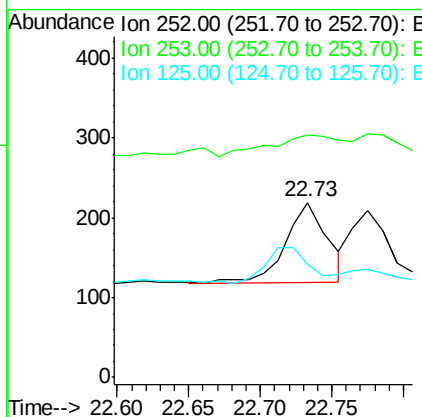
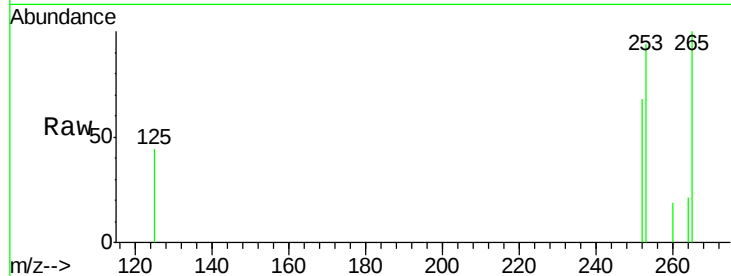




#26
Benzo(b)fluoranthene
Concen: 0.01 ng
RT: 22.73 min Scan# 2304
Delta R.T. -0.00 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

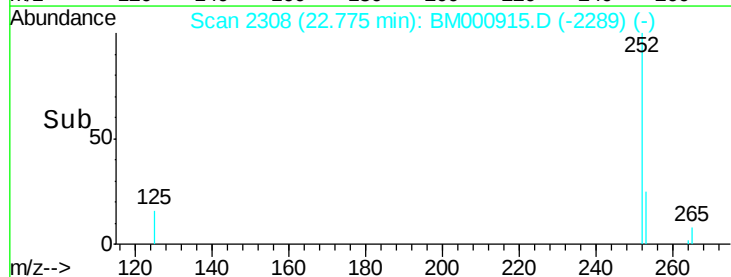
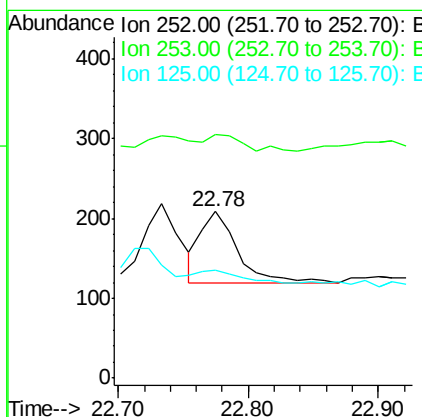
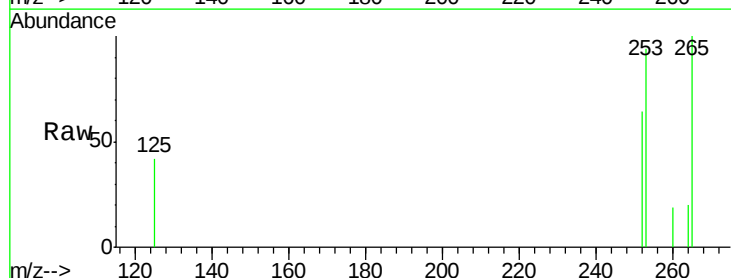
Instrument :
BNA_M
ClientSampleId :
MW-2

Tgt Ion: 252 Resp: 205
Ion Ratio Lower Upper
252 100
253 138.8 18.5 27.7#
125 64.4 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 22.78 min Scan# 2308
Delta R.T. -0.00 min
Lab File: BM000915.D
Acq: 08 Apr 2015 18:36

Tgt Ion: 252 Resp: 180
Ion Ratio Lower Upper
252 100
253 145.9 17.9 26.9#
125 65.1 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.29 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

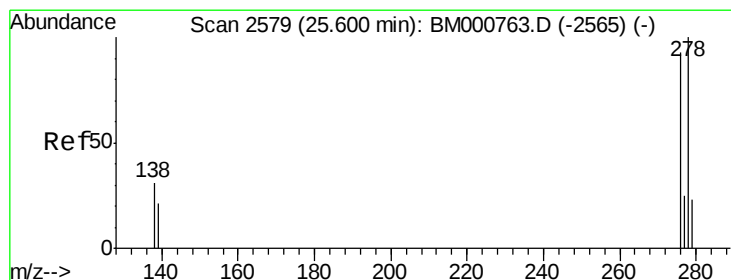
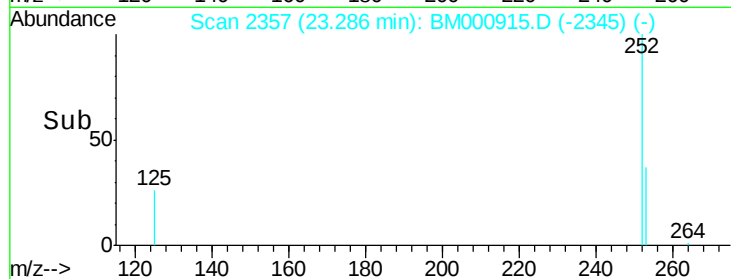
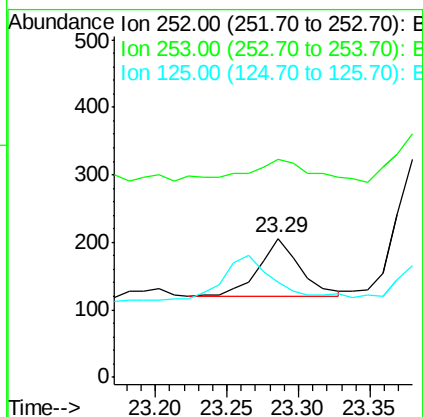
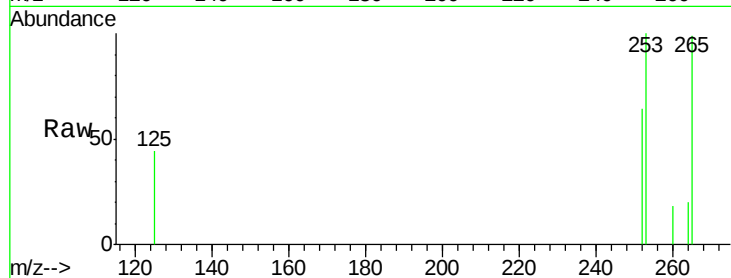
Tgt Ion: 252 Resp: 173

Ion Ratio Lower Upper

252 100

253 156.8 19.4 29.2#

125 68.4 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: BM000915.D

Acq: 08 Apr 2015 18:36

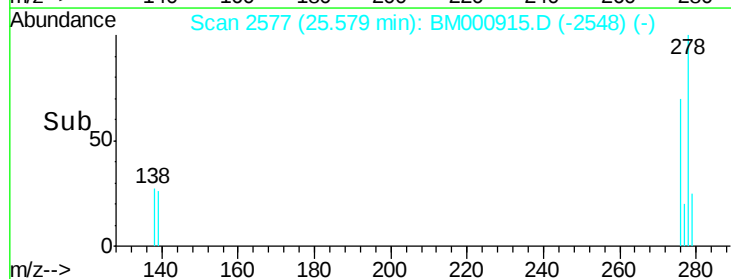
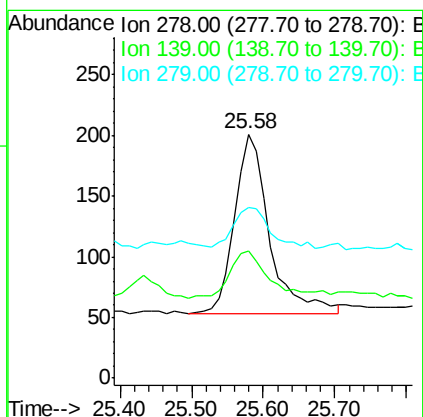
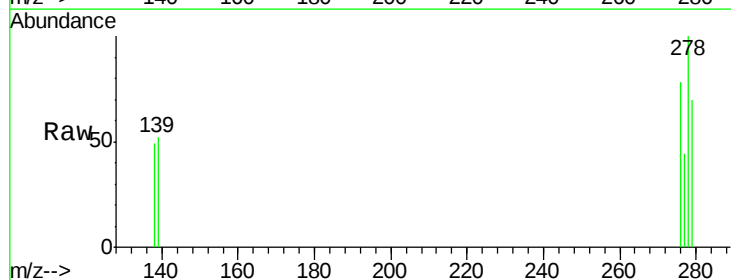
Tgt Ion: 278 Resp: 502

Ion Ratio Lower Upper

278 100

139 52.2 17.8 26.6#

279 70.1 19.3 28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.24 min Scan# 2640

Delta R.T. 0.01 min

Lab File: BM000915.D

Acq: 08 Apr 2015 18:36

Instrument :

BNA_M

ClientSampleId :

MW-2

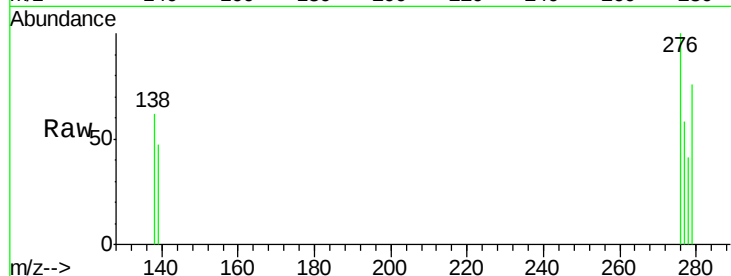
Tgt Ion: 276 Resp: 300

Ion Ratio Lower Upper

276 100

277 58.4 19.1 28.7#

138 62.0 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

