

Data Path : Z:\HPCHEM1\BNA_M\Data\BM050415\
 Data File : BM001187.D
 Acq On : 04 May 2015 11:41
 Operator : TP/IZ
 Sample : G2062-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW1

Quant Time: May 05 02:45:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 02:32:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	15202	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	61693	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	35969	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	96296	5.00	ng	0.00
24) Chrysene-d12	21.15	240	85373	5.00	ng	0.00
30) Perylene-d12	23.30	264	79203	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	18343	6.20	ng	0.00
5) Phenol-d6	6.71	99	15259	4.19	ng	0.00
7) Nitrobenzene-d5	8.69	82	39058	11.18	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	31479	17.72	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	122706	10.32	ng	0.00
26) Terphenyl-d14	19.59	244	124830	10.60	ng	0.00

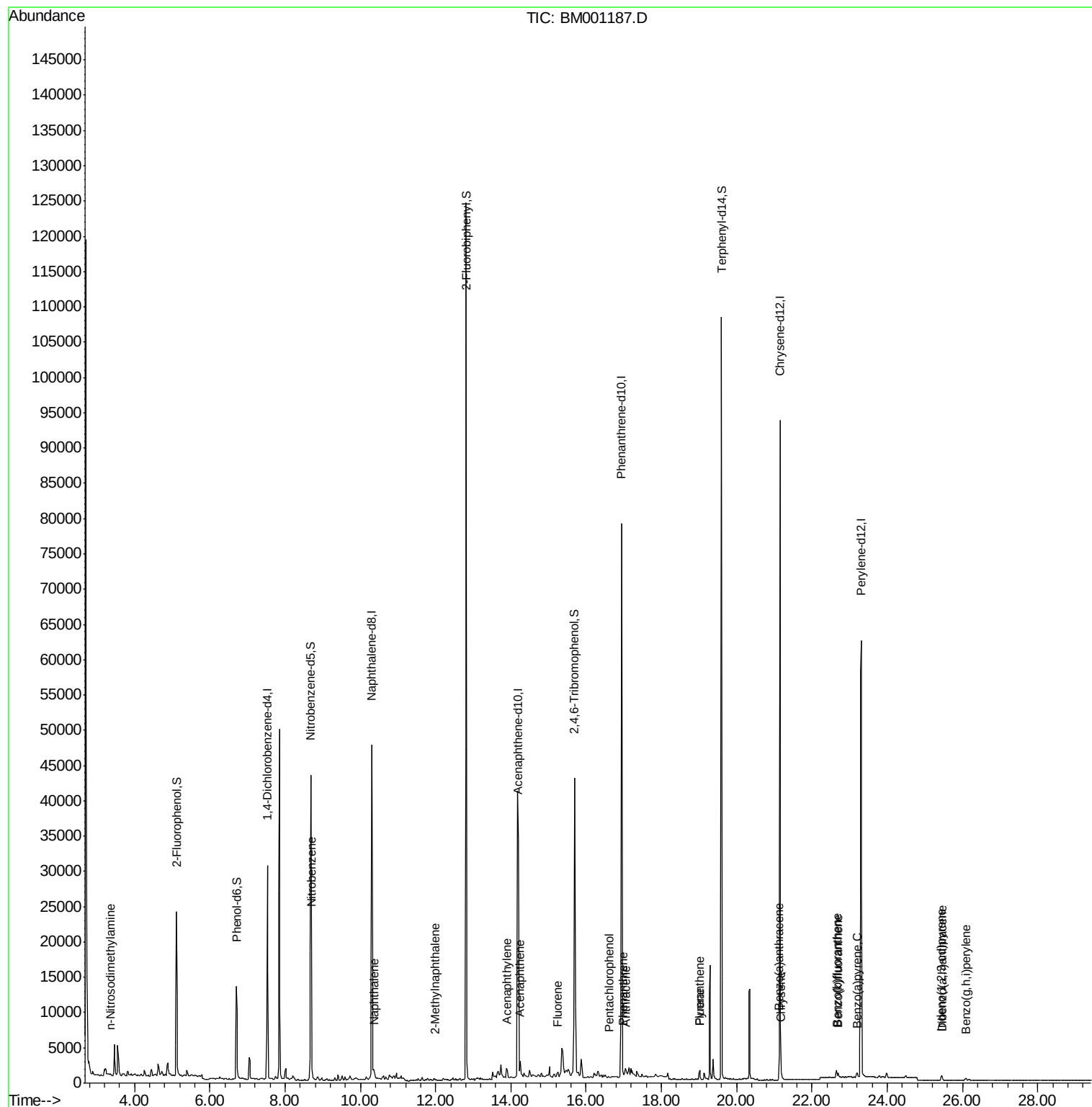
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.37	42	262	0.14	ng	# 8
8) Nitrobenzene	8.70	77	1217	0.41	ng	# 1
9) Naphthalene	10.36	128	1902	0.14	ng	# 60
11) 2-Methylnaphthalene	11.98	142	212	0.02	ng	# 45
15) Acenaphthylene	13.89	152	587	0.04	ng	# 67
16) Acenaphthene	14.24	154	1393	0.13	ng	# 87
17) Fluorene	15.24	166	293	0.02	ng	# 45
20) Pentachlorophenol	16.61	266	82	0.41	ng	# 72
21) Phenanthrene	16.98	178	1099	0.04	ng	# 78
22) Anthracene	17.06	178	1122	0.05	ng	# 82
23) Fluoranthene	19.01	202	1196	0.05	ng	# 86
25) Pyrene	19.01	202	1194	0.04	ng	# 97
27) Benzo(a)anthracene	21.13	228	1080	0.04	ng	# 84
28) Chrysene	21.18	228	833	0.04	ng	# 83
29) Indeno(1,2,3-cd)pyrene	25.43	276	748	0.03	ng	# 97
31) Benzo(b)fluoranthene	22.66	252	859	0.04	ng	# 9
32) Benzo(k)fluoranthene	22.70	252	733	0.03	ng	# 35
33) Benzo(a)pyrene	23.20	252	713	0.03	ng	# 9
34) Dibenzo(a,h)anthracene	25.45	278	679	0.04	ng	# 43
35) Benzo(g,h,i)perylene	26.09	276	605	0.03	ng	# 63

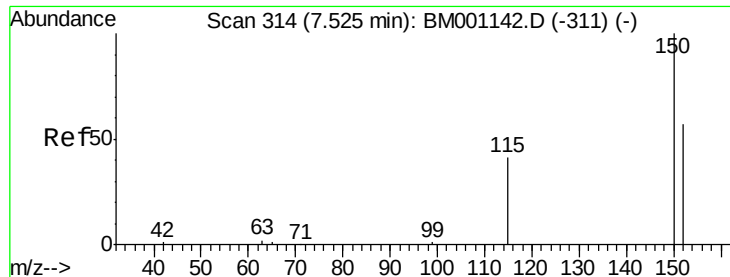
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.53 min Scan# 314

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

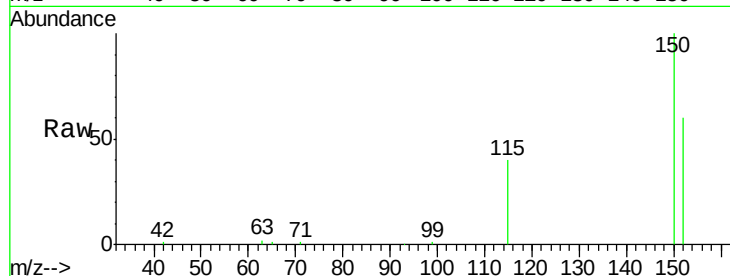
Tgt Ion:152 Resp: 15202

Ion Ratio Lower Upper

152 100

150 167.4 140.1 210.1

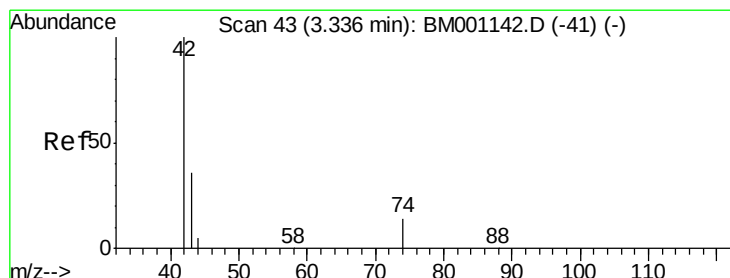
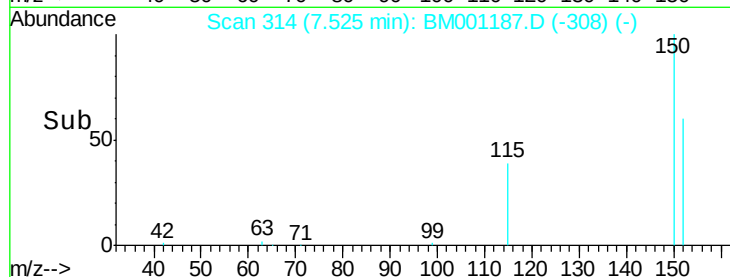
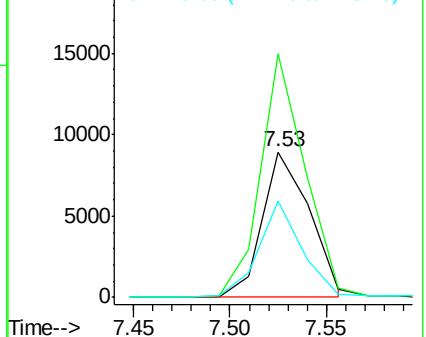
115 66.3 57.8 86.6



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: 0.14 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.03 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

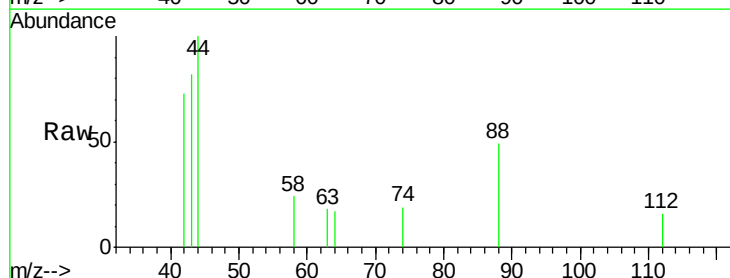
Tgt Ion: 42 Resp: 262

Ion Ratio Lower Upper

42 100

74 0.0 72.0 108.0#

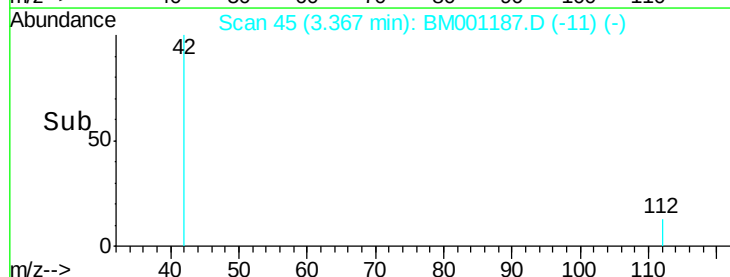
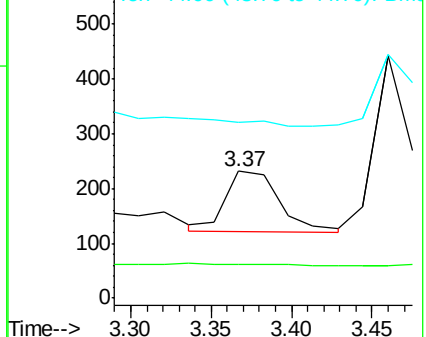
44 0.0 3.7 5.5#

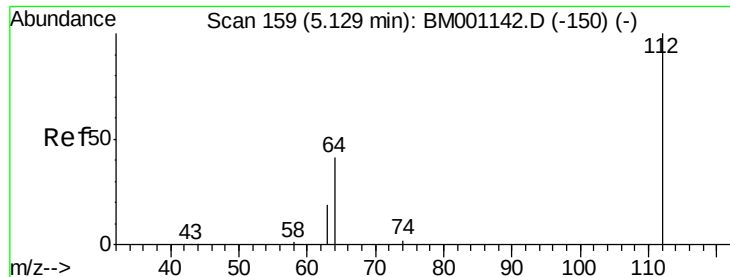


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 6.20 ng

RT: 5.11 min Scan# 158

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

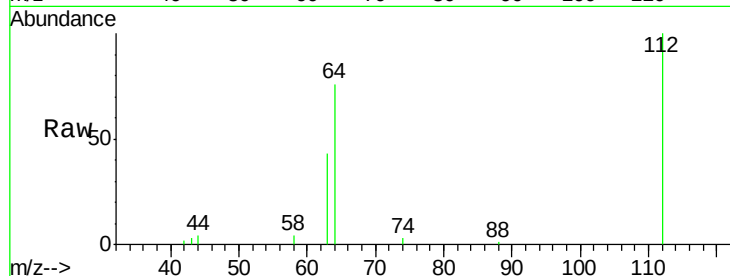
Tgt Ion: 112 Resp: 18343

Ion Ratio Lower Upper

112 100

64 64.7 52.6 79.0

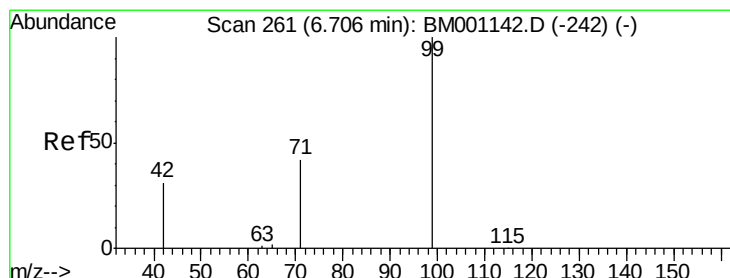
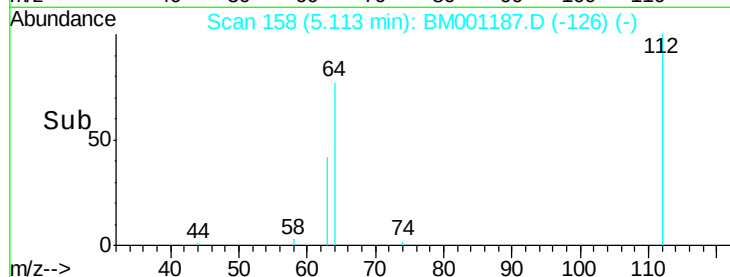
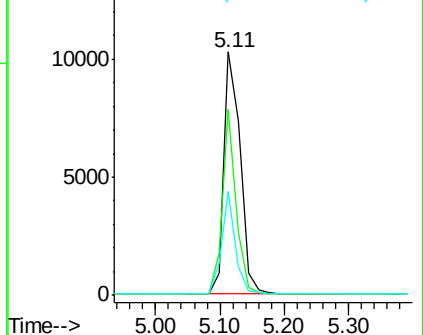
63 36.1 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 4.19 ng

RT: 6.71 min Scan# 261

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

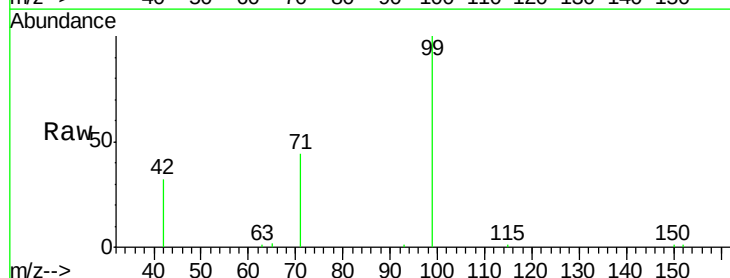
Tgt Ion: 99 Resp: 15259

Ion Ratio Lower Upper

99 100

42 24.0 20.9 31.3

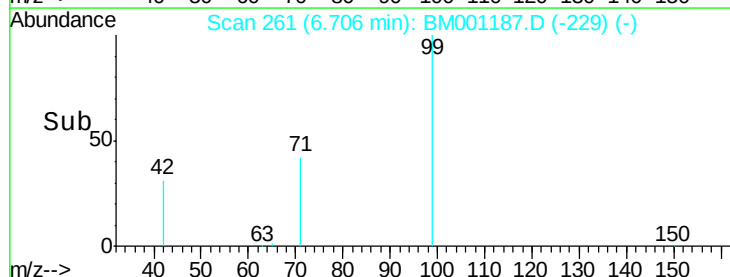
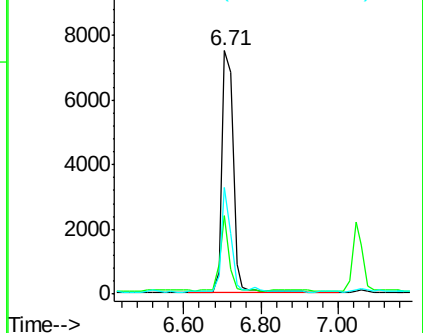
71 36.0 28.5 42.7

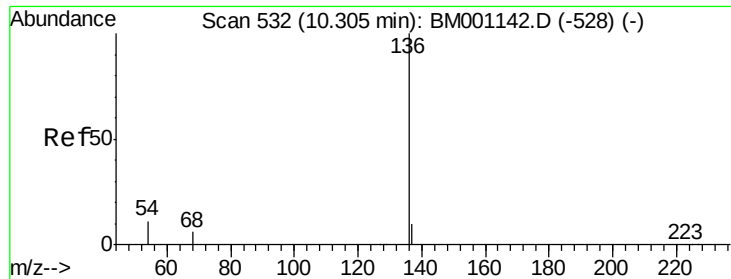


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 532

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

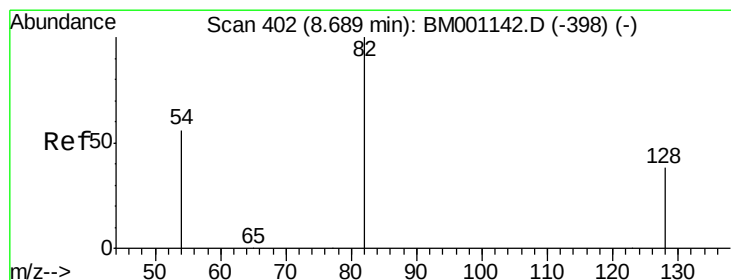
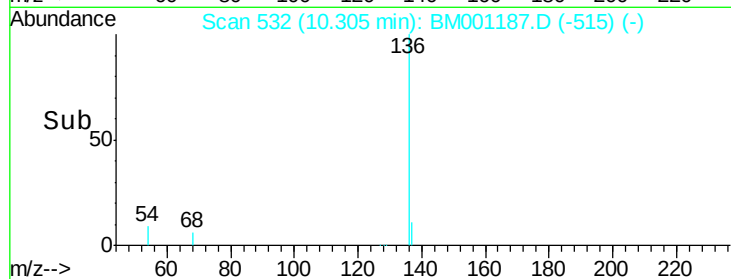
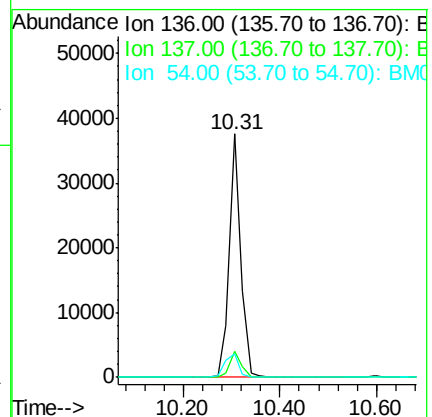
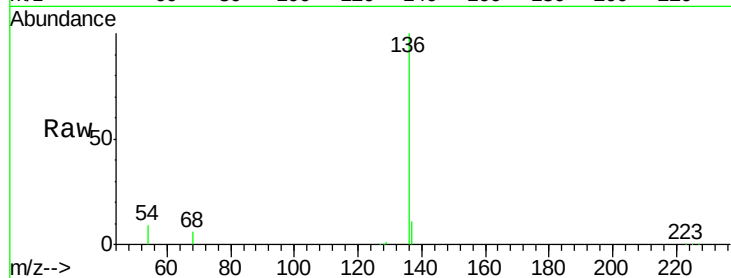
Tgt Ion:136 Resp: 61693

Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.4

54 9.5 9.0 13.4



#7

Nitrobenzene-d5

Concen: 11.18 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

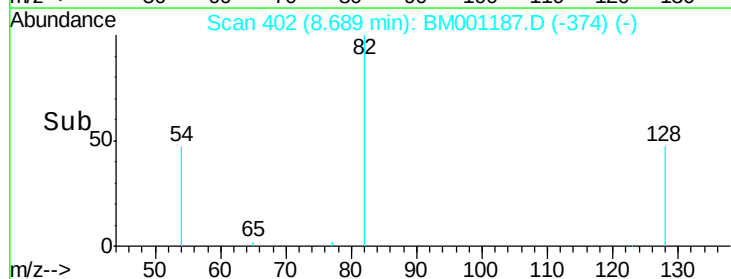
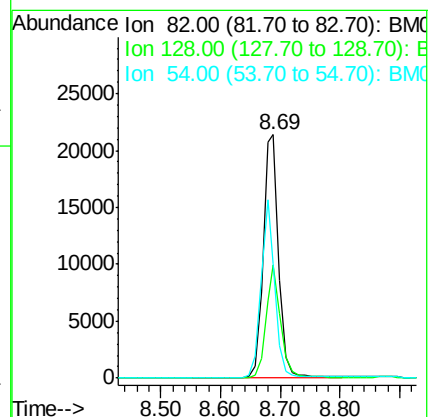
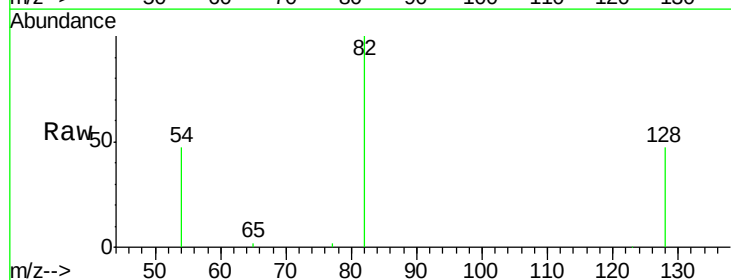
Tgt Ion: 82 Resp: 39058

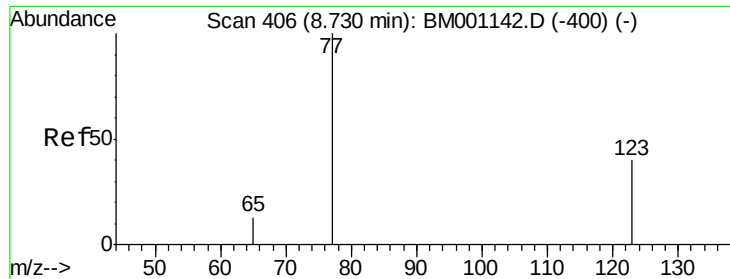
Ion Ratio Lower Upper

82 100

128 46.6 31.9 47.9

54 46.8 46.2 69.2





#8

Nitrobenzene

Concen: 0.41 ng

RT: 8.70 min Scan# 403

Delta R.T. -0.03 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

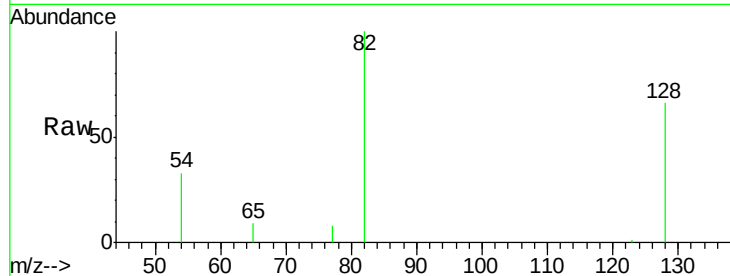
Tgt Ion: 77 Resp: 1217

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

65 97.9 10.6 15.8#

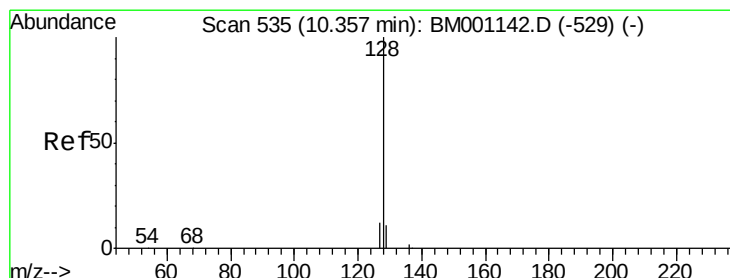
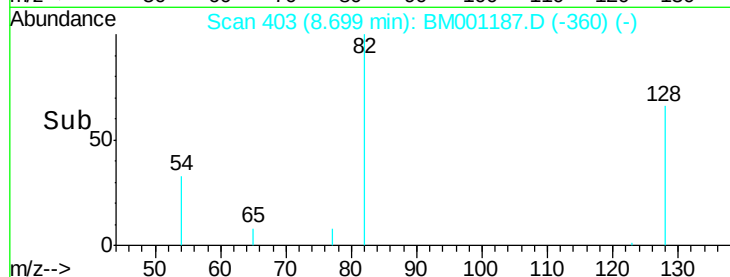
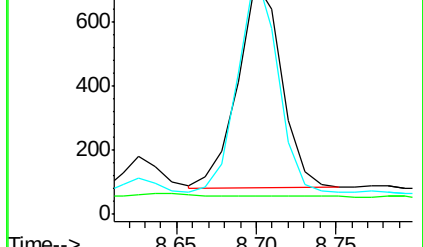


Abundance Ion 77.00 (76.70 to 77.70): BM001142.D (-400) (-)

Ion 123.00 (122.70 to 123.70): BM001142.D (-400) (-)

Ion 65.00 (64.70 to 65.70): BM001142.D (-400) (-)

Time-->



#9

Naphthalene

Concen: 0.14 ng

RT: 10.36 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

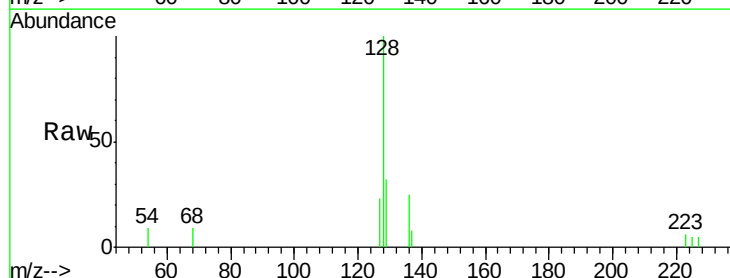
Tgt Ion: 128 Resp: 1902

Ion Ratio Lower Upper

128 100

129 32.1 9.0 13.6#

127 23.4 10.0 15.0#

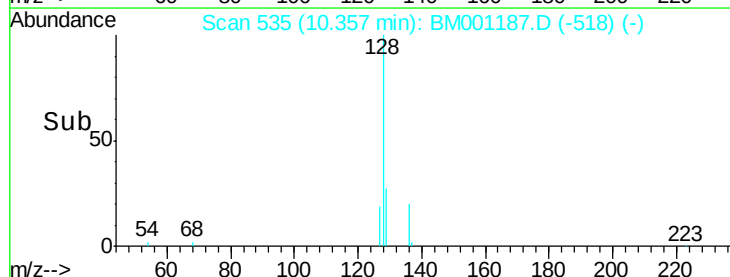
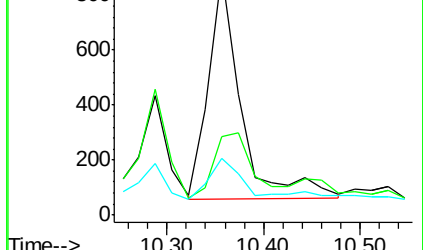


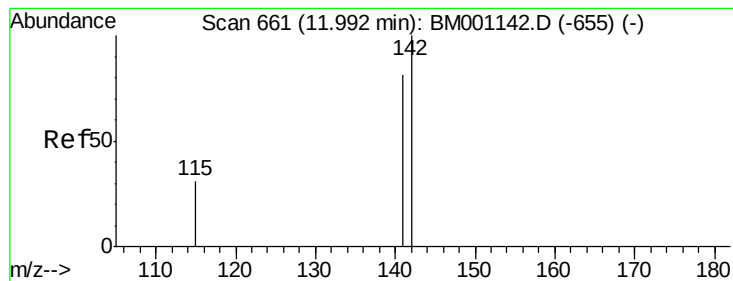
Abundance Ion 128.00 (127.70 to 128.70): BM001142.D (-529) (-)

Ion 129.00 (128.70 to 129.70): BM001142.D (-529) (-)

Ion 127.00 (126.70 to 127.70): BM001142.D (-529) (-)

Time-->





#11

2-Methylnaphthalene

Concen: 0.02 ng

RT: 11.98 min Scan# 660

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

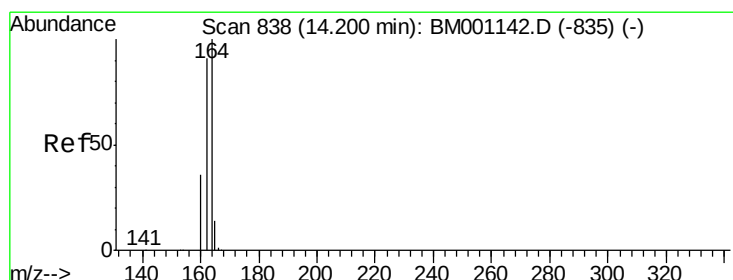
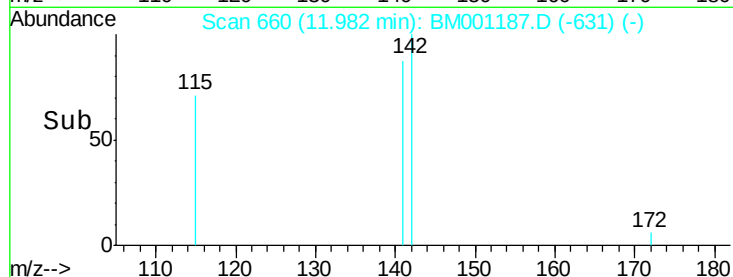
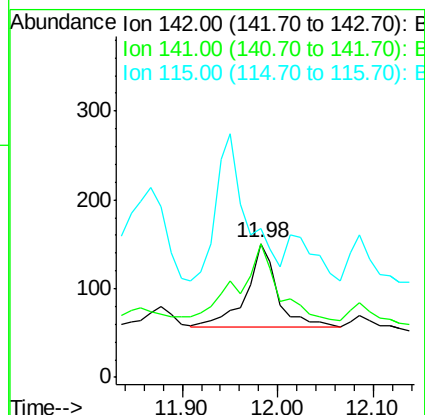
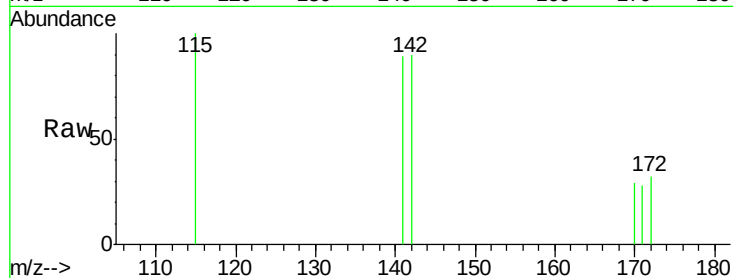
Tgt Ion:142 Resp: 212

Ion Ratio Lower Upper

142 100

141 99.3 65.1 97.7#

115 111.3 25.1 37.7#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 838

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

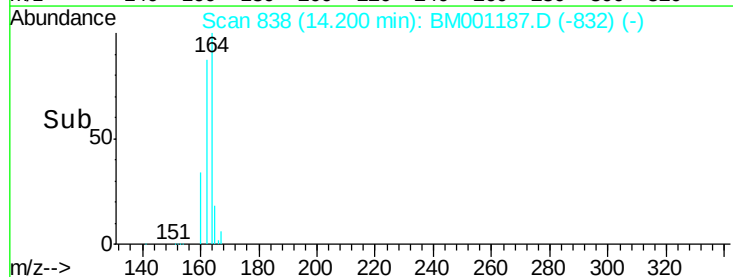
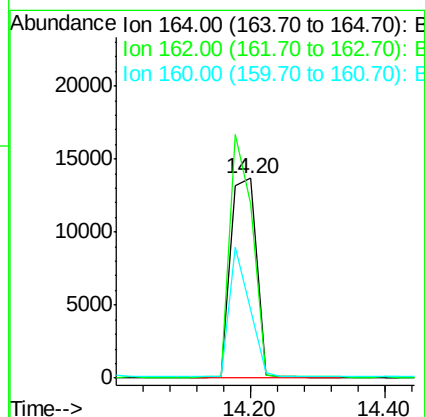
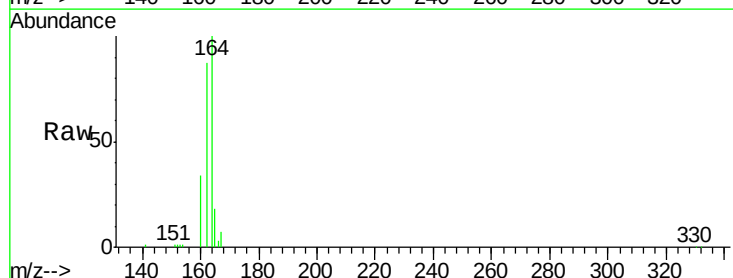
Tgt Ion:164 Resp: 35969

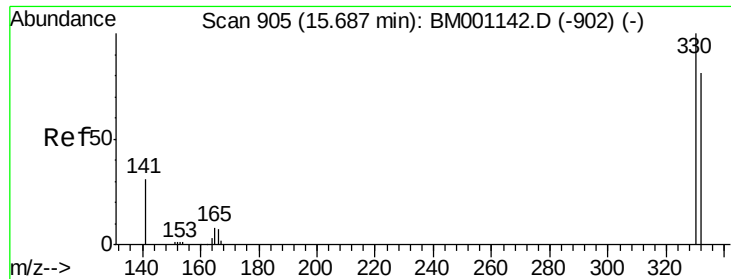
Ion Ratio Lower Upper

164 100

162 87.3 72.7 109.1

160 34.1 28.7 43.1

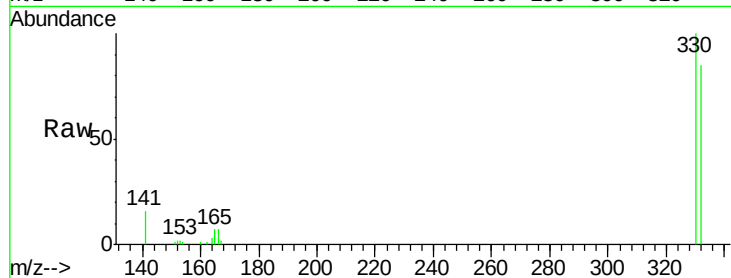




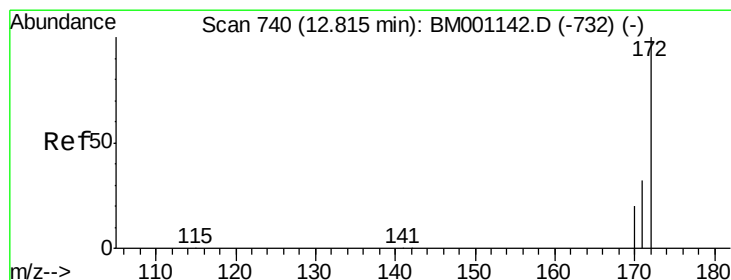
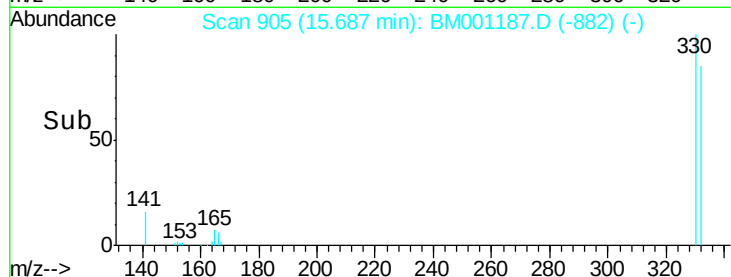
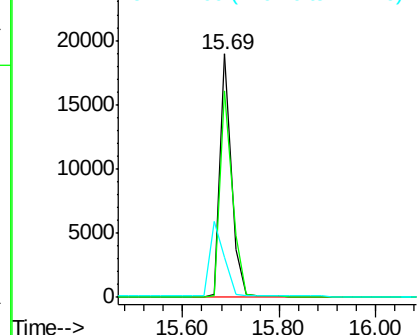
#13
 2,4,6-Tribromophenol
 Concen: 17.72 ng
 RT: 15.69 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

Instrument :
 BNA_M
 ClientSampleId :
 MW1

Tgt Ion:330 Resp: 31479
 Ion Ratio Lower Upper
 330 100
 332 92.4 74.5 111.7
 141 0.0 21.0 31.4#

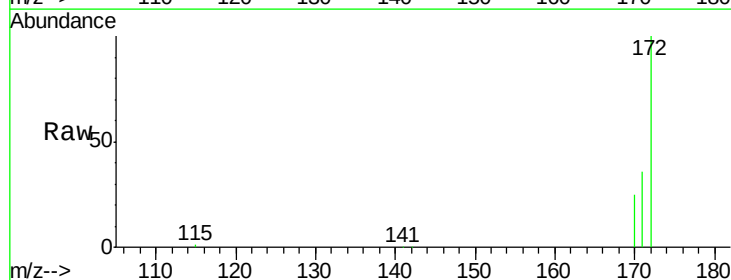


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

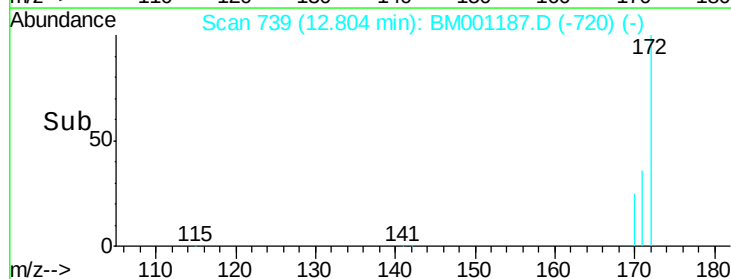
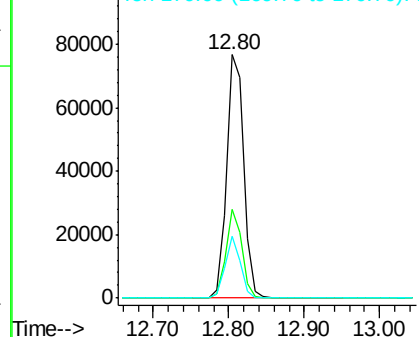


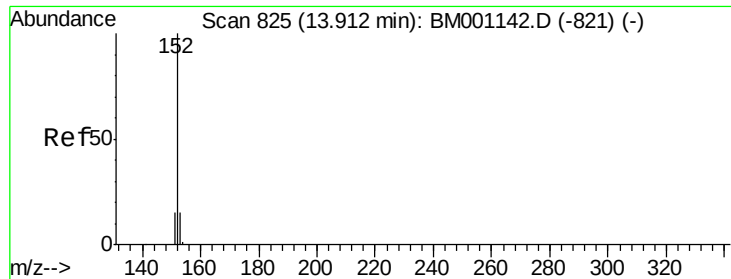
#14
 2-Fluorobiphenyl
 Concen: 10.32 ng
 RT: 12.80 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

Tgt Ion:172 Resp: 122706
 Ion Ratio Lower Upper
 172 100
 171 36.3 25.8 38.6
 170 25.3 16.1 24.1#



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





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.89 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

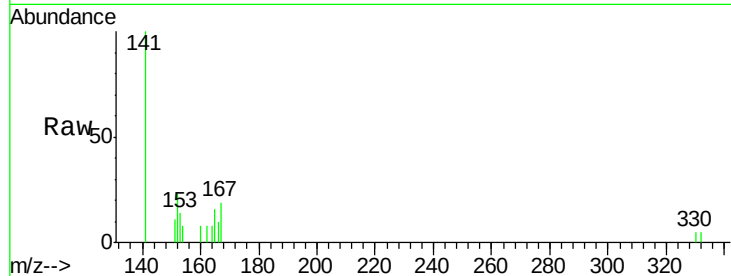
Tgt Ion:152 Resp: 587

Ion Ratio Lower Upper

152 100

151 27.3 0.0 0.0#

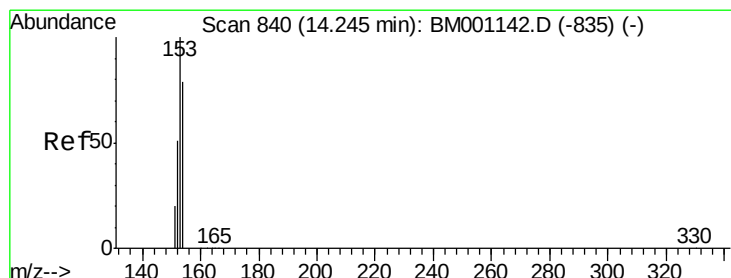
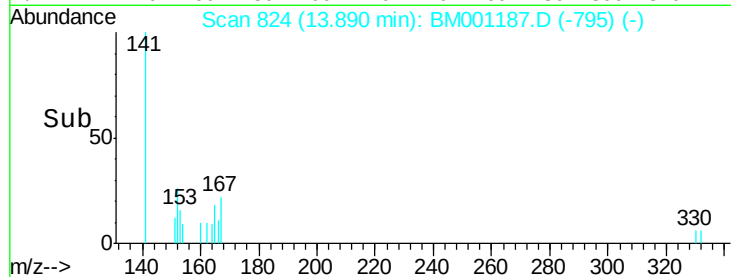
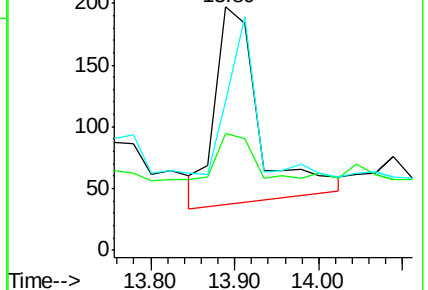
153 0.0 10.3 15.5#



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



#16

Acenaphthene

Concen: 0.13 ng

RT: 14.24 min Scan# 840

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

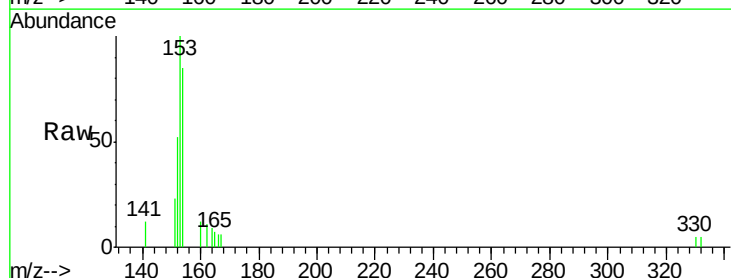
Tgt Ion:154 Resp: 1393

Ion Ratio Lower Upper

154 100

153 119.9 90.6 136.0

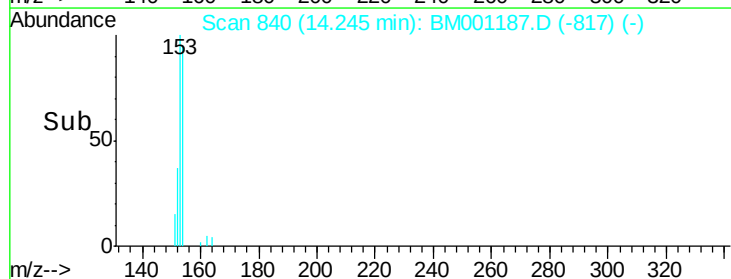
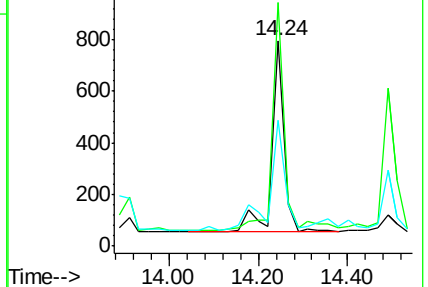
152 76.1 45.0 67.4#

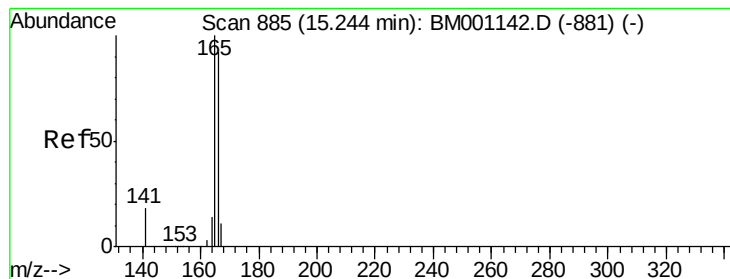


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.02 ng

RT: 15.24 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

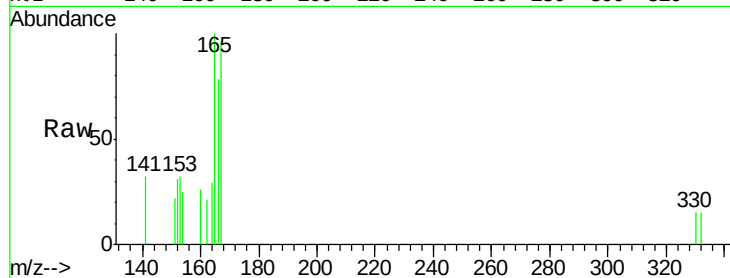
Tgt Ion:166 Resp: 293

Ion Ratio Lower Upper

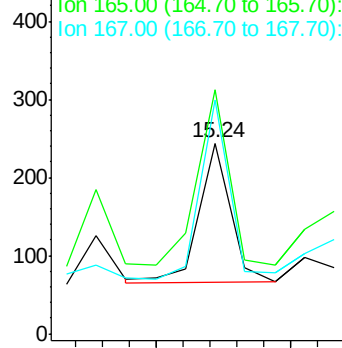
166 100

165 126.3 81.0 121.6#

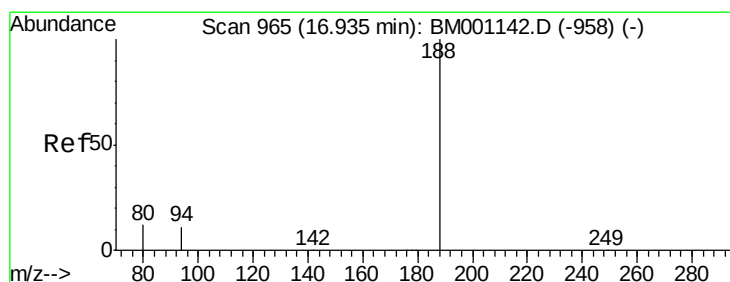
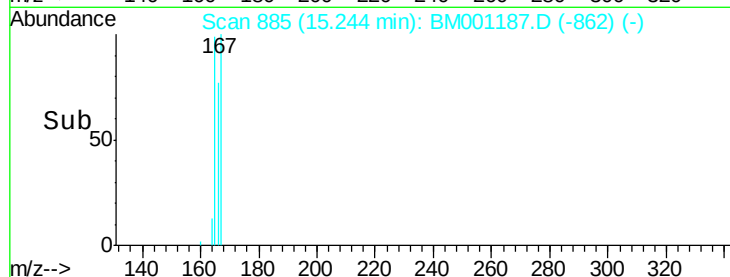
167 128.3 10.4 15.6#



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-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 965

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

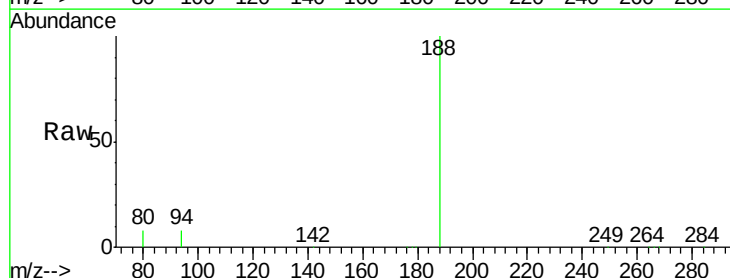
Tgt Ion:188 Resp: 96296

Ion Ratio Lower Upper

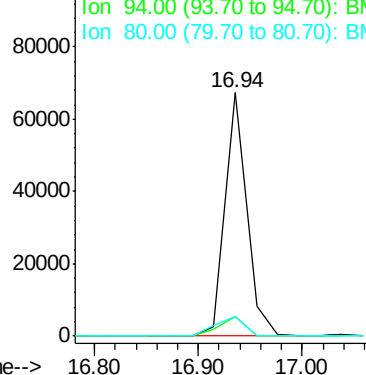
188 100

94 8.1 9.3 13.9#

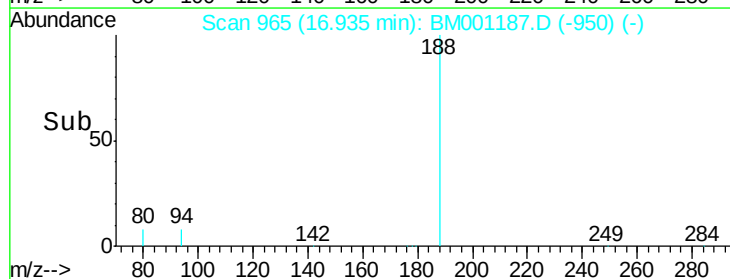
80 8.1 9.8 14.6#

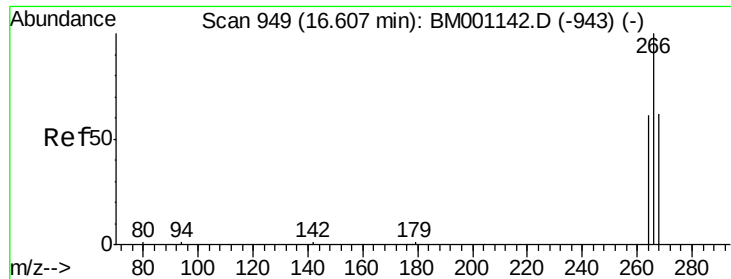


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0



Time-->

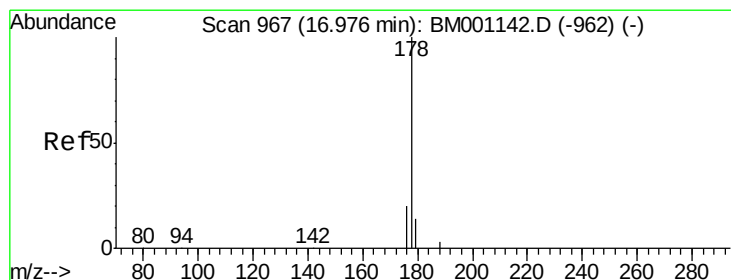
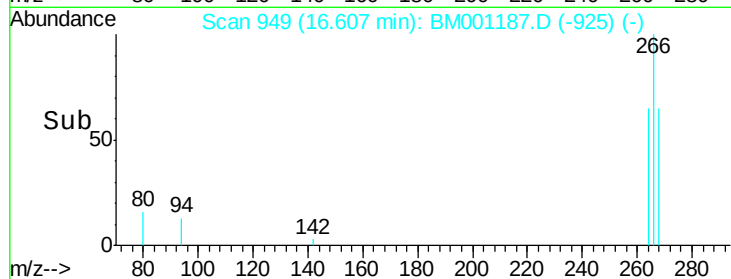
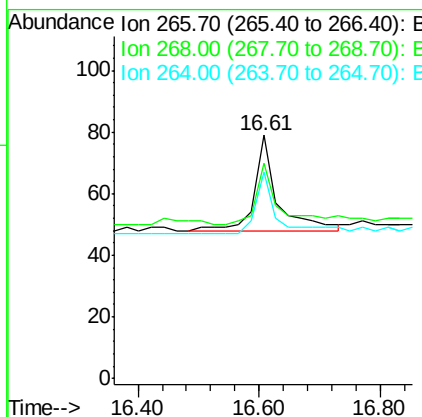
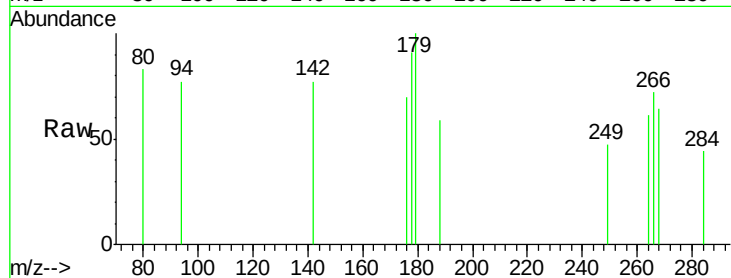




#20
 Pentachlorophenol
 Concen: 0.41 ng
 RT: 16.61 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

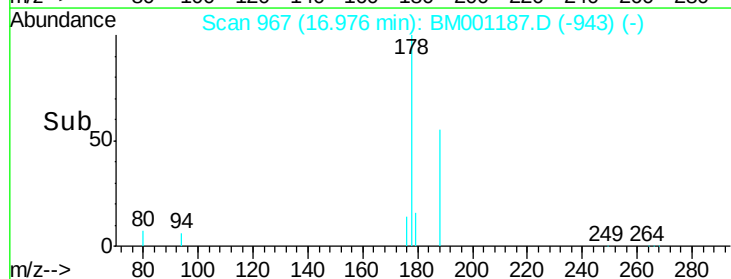
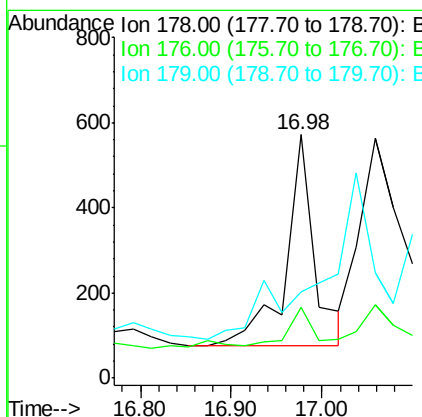
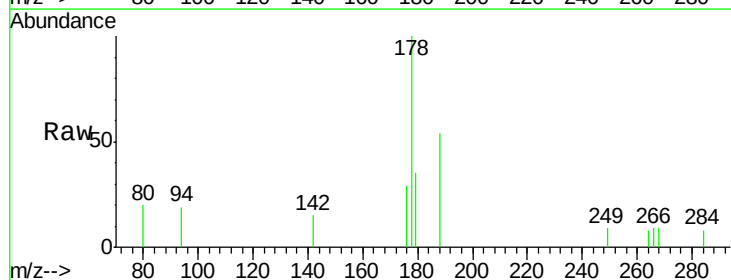
Instrument :
 BNA_M
 ClientSampleId :
 MW1

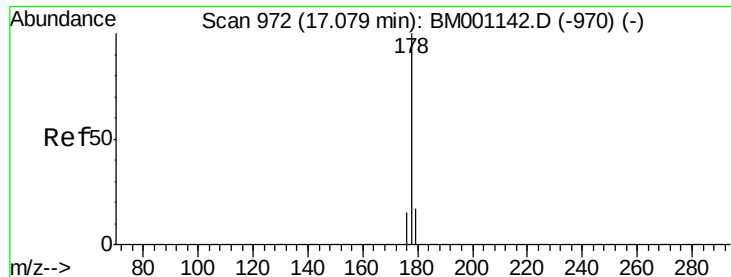
Tgt Ion: 266 Resp: 82
 Ion Ratio Lower Upper
 266 100
 268 88.6 52.6 79.0#
 264 84.8 51.0 76.4#



#21
 Phenanthrene
 Concen: 0.04 ng
 RT: 16.98 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

Tgt Ion: 178 Resp: 1099
 Ion Ratio Lower Upper
 178 100
 176 14.7 15.5 23.3#
 179 0.0 12.0 18.0#





#22

Anthracene

Concen: 0.05 ng

RT: 17.06 min Scan# 971

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

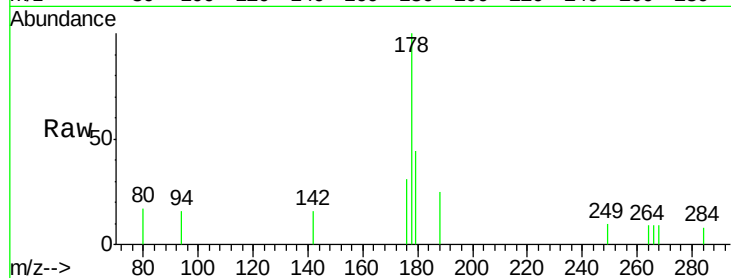
Tgt Ion:178 Resp: 1122

Ion Ratio Lower Upper

178 100

176 16.7 14.3 21.5

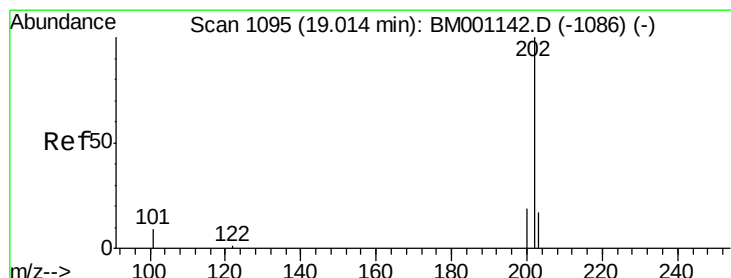
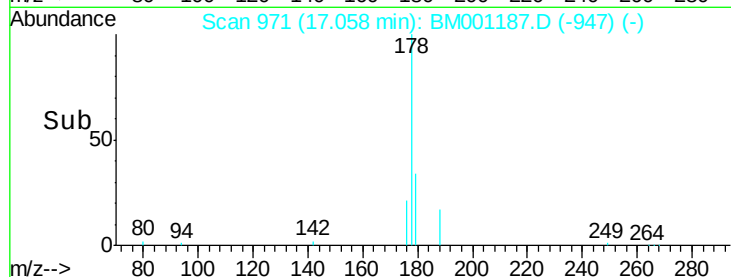
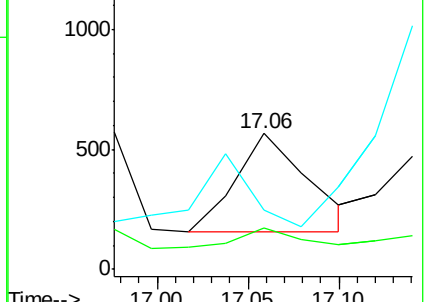
179 0.0 12.2 18.2#



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



#23

Fluoranthene

Concen: 0.05 ng

RT: 19.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

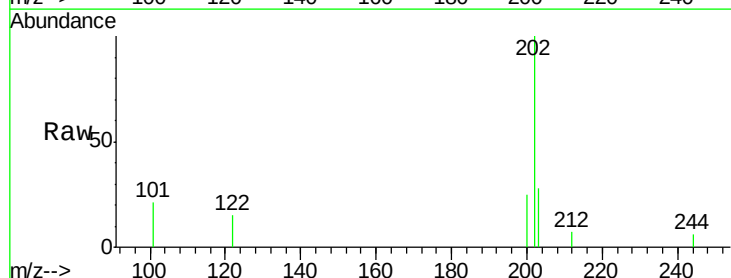
Tgt Ion:202 Resp: 1196

Ion Ratio Lower Upper

202 100

101 0.0 9.3 13.9#

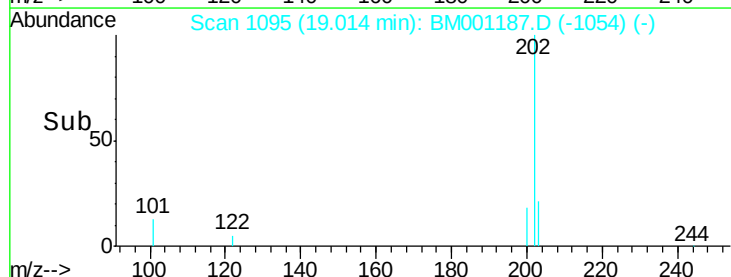
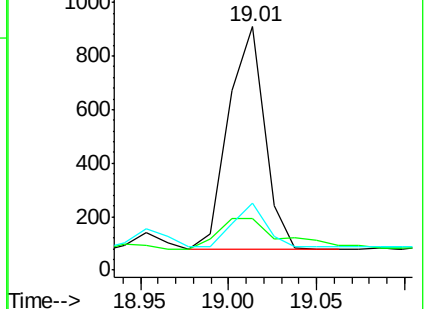
203 18.4 13.7 20.5

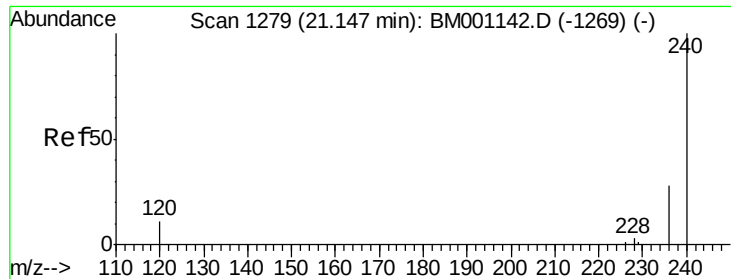


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

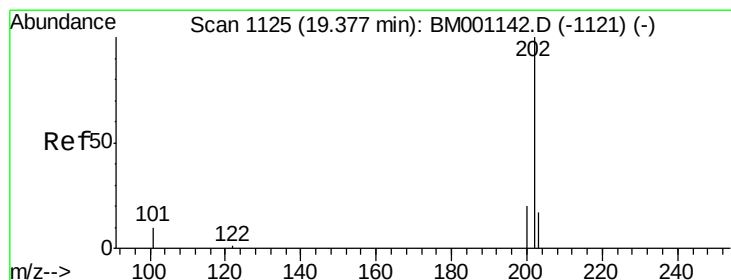
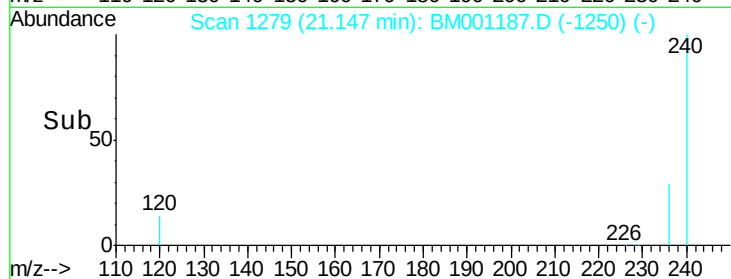
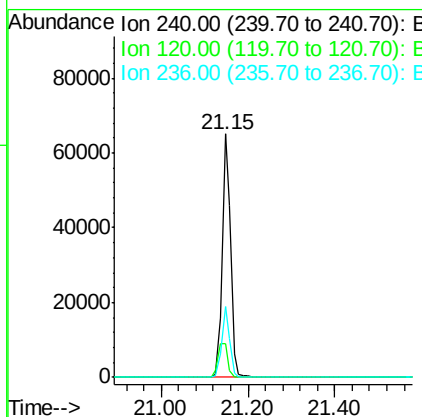
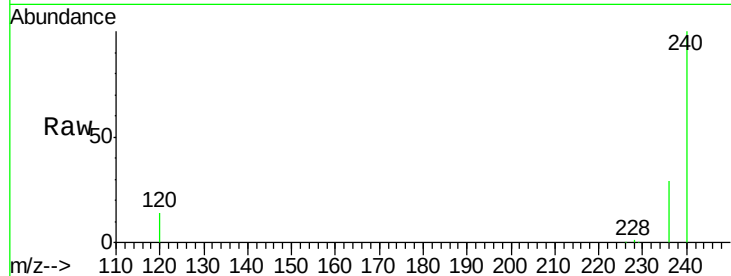




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.15 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

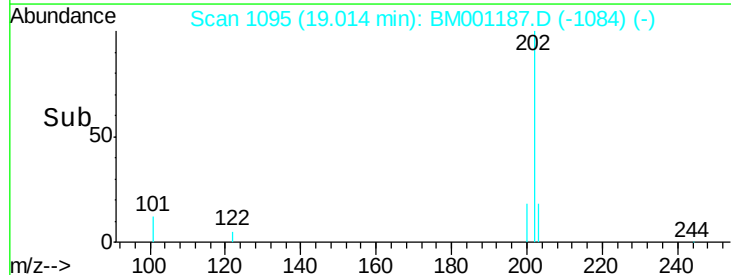
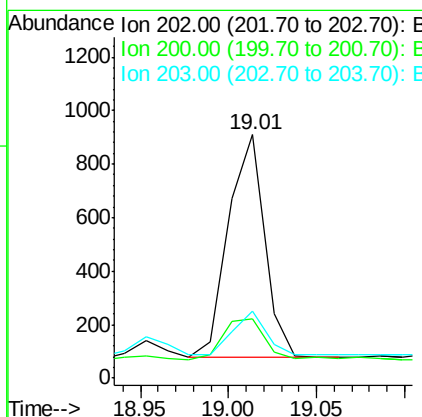
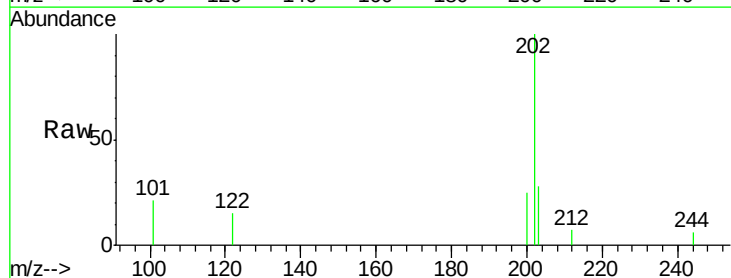
Instrument :
BNA_M
ClientSampleId :
MW1

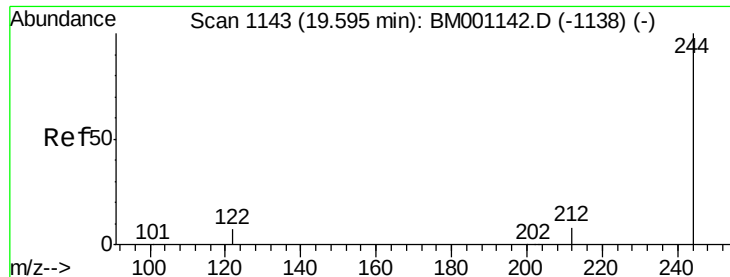
Tgt Ion:240 Resp: 85373
Ion Ratio Lower Upper
240 100
120 14.0 9.2 13.8#
236 29.3 22.4 33.6



#25
Pyrene
Concen: 0.04 ng
RT: 19.01 min Scan# 1095
Delta R.T. -0.36 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

Tgt Ion:202 Resp: 1194
Ion Ratio Lower Upper
202 100
200 22.2 16.4 24.6
203 18.2 13.8 20.6

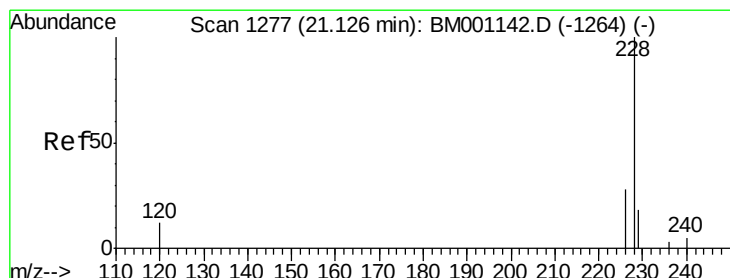
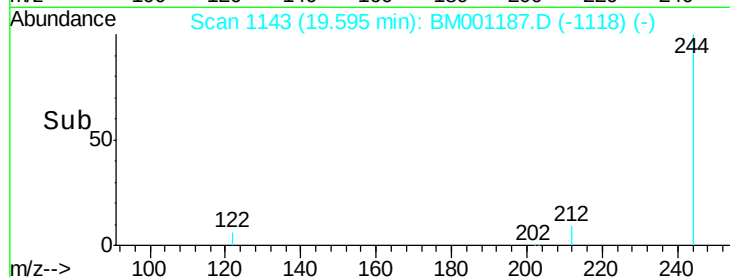
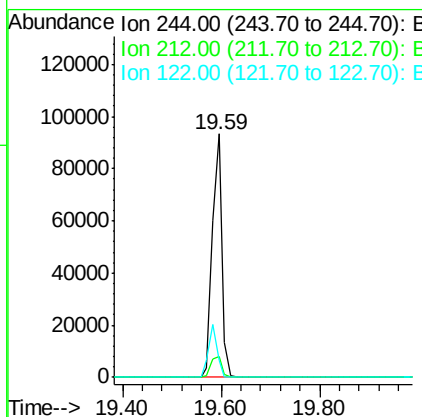
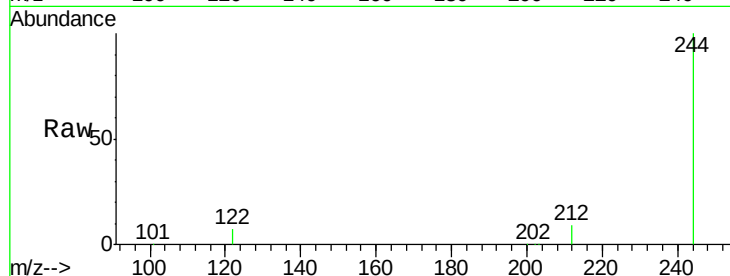




#26
 Terphenyl-d14
 Concen: 10.60 ng
 RT: 19.59 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

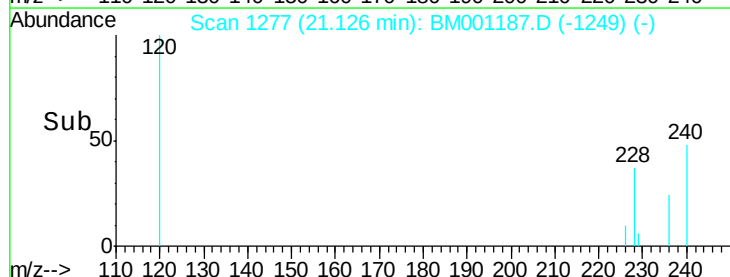
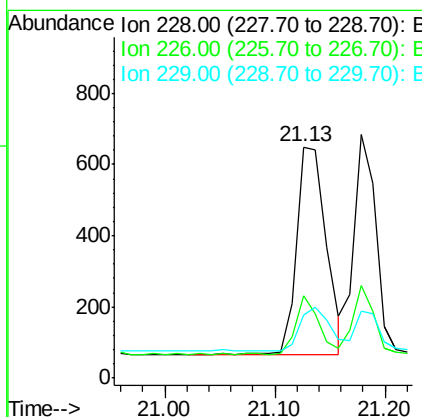
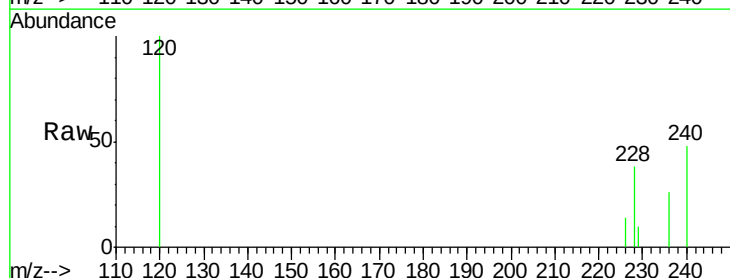
Instrument :
 BNA_M
 ClientSampleId :
 MW1

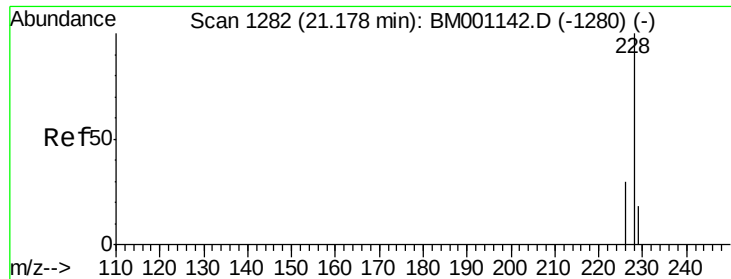
Tgt Ion:244 Resp: 124830
 Ion Ratio Lower Upper
 244 100
 212 8.6 7.1 10.7
 122 6.8 6.2 9.4



#27
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 21.13 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: BM001187.D
 Acq: 04 May 2015 11:41

Tgt Ion:228 Resp: 1080
 Ion Ratio Lower Upper
 228 100
 226 35.4 22.8 34.2#
 229 27.2 14.4 21.6#





#28

Chrysene

Concen: 0.04 ng

RT: 21.18 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

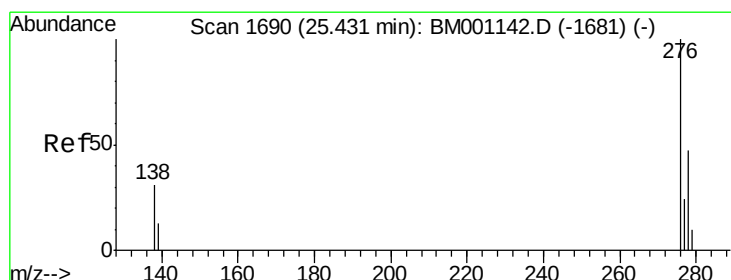
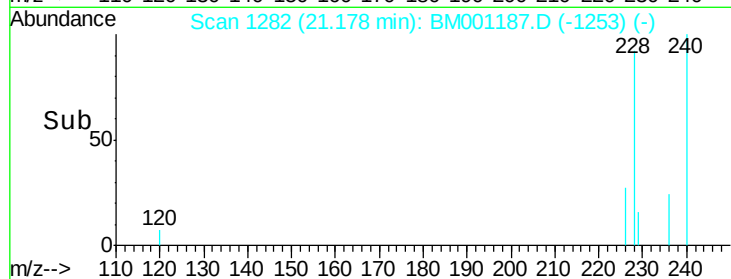
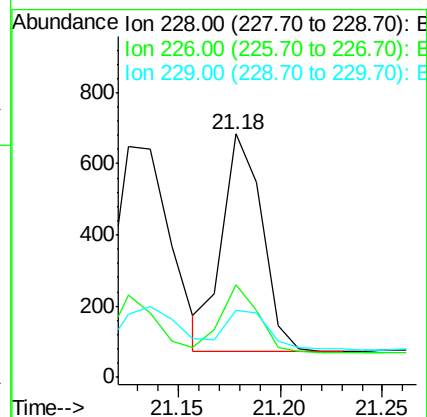
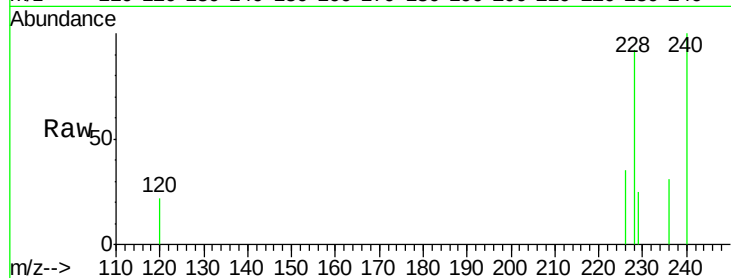
Tgt Ion:228 Resp: 833

Ion Ratio Lower Upper

228 100

226 38.2 24.4 36.6#

229 27.5 14.3 21.5#



#29

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.43 min Scan# 1690

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

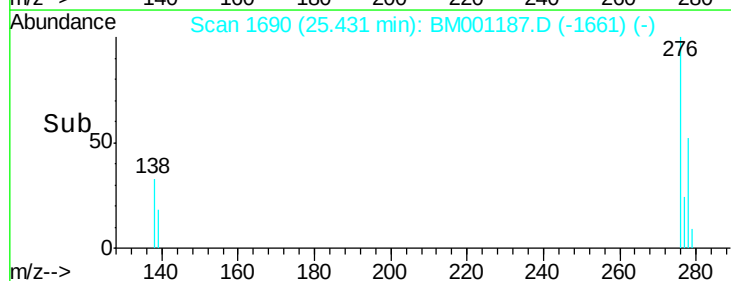
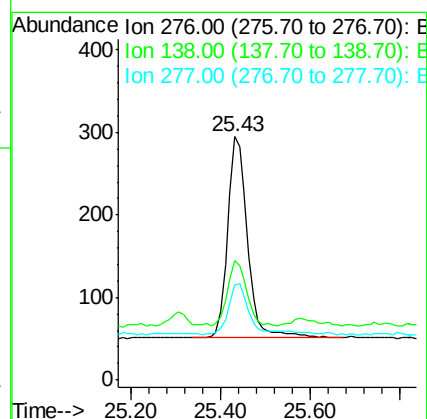
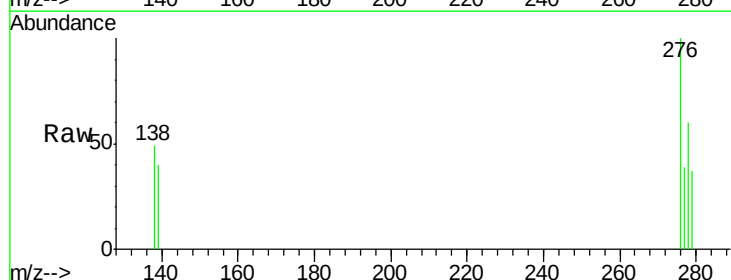
Tgt Ion:276 Resp: 748

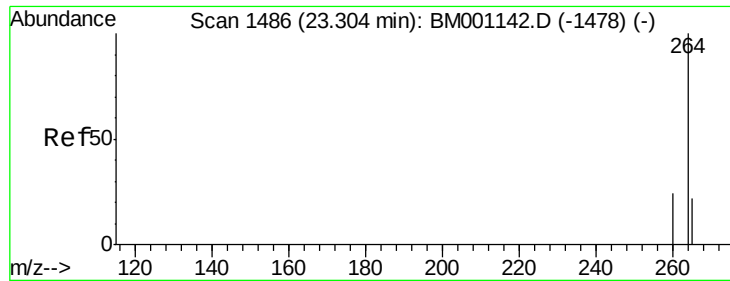
Ion Ratio Lower Upper

276 100

138 31.8 24.2 36.4

277 26.9 19.8 29.6



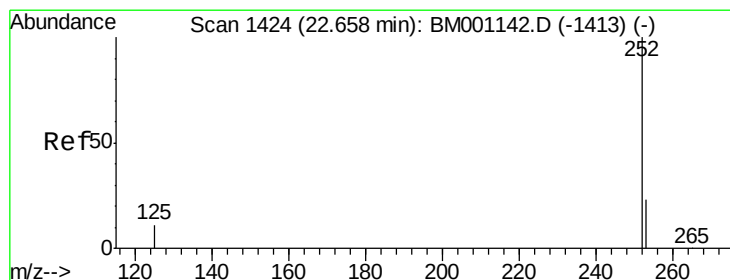
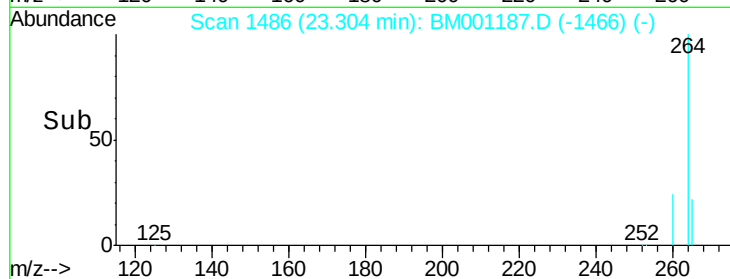
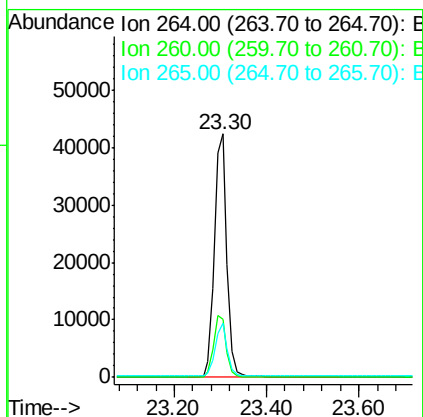
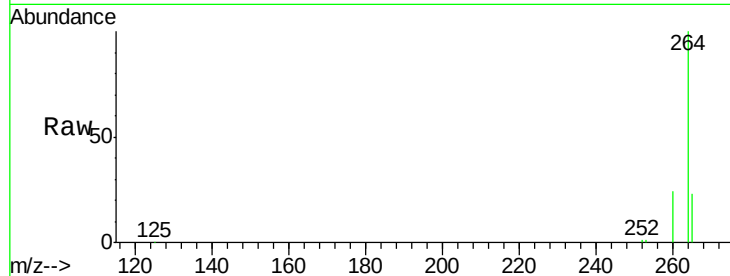


#30
Perylene-d12
Concen: 5.00 ng
RT: 23.30 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

Instrument :
BNA_M
ClientSampleId :
MW1

Tgt Ion: 264 Resp: 79203

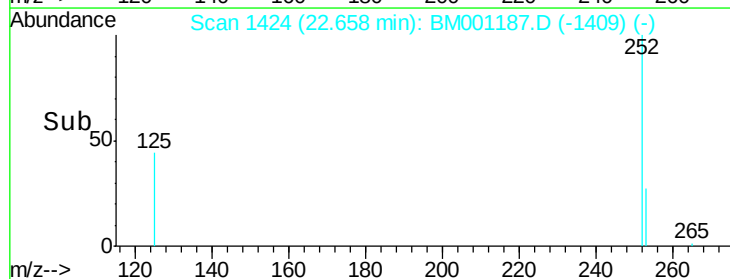
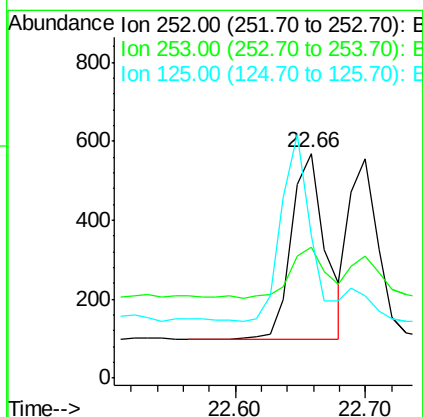
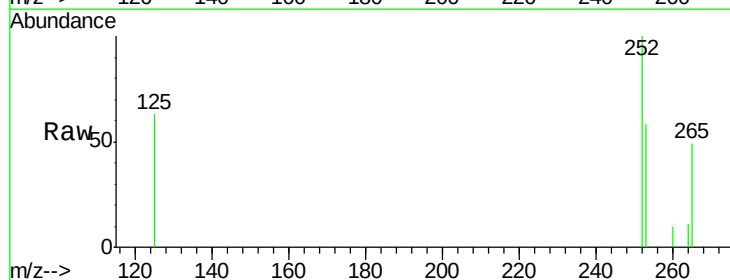
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.5	18.1	27.1

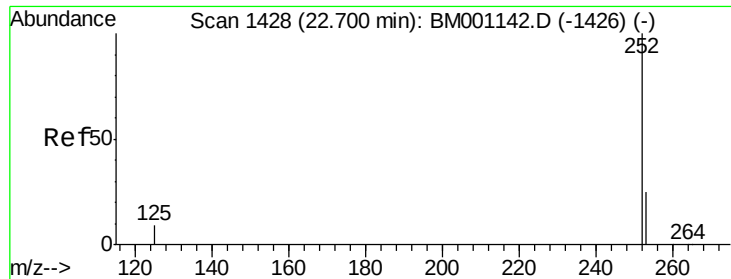


#31
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.66 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

Tgt Ion: 252 Resp: 859

Ion	Ratio	Lower	Upper
252	100		
253	58.1	19.0	28.4#
125	63.3	9.1	13.7#

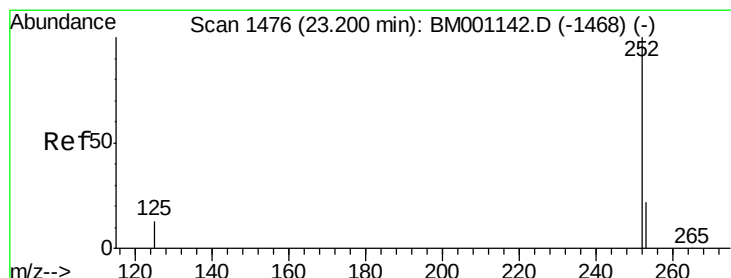
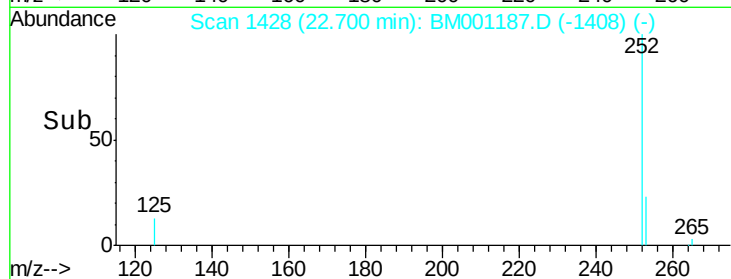
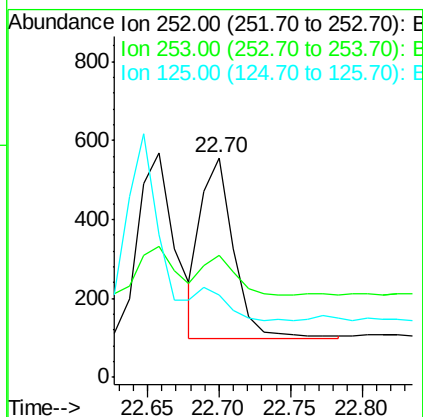
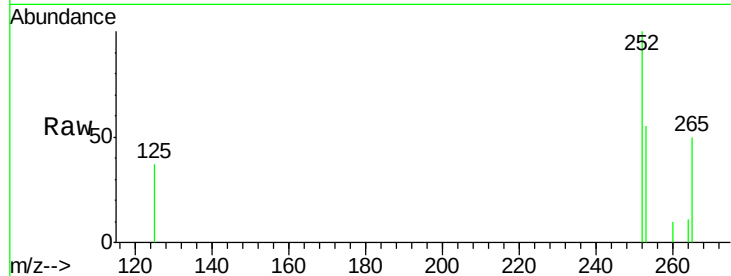




#32
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.70 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

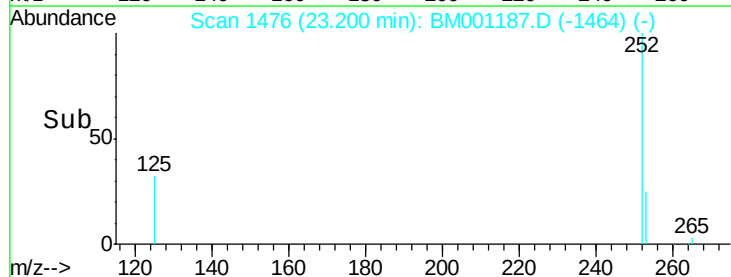
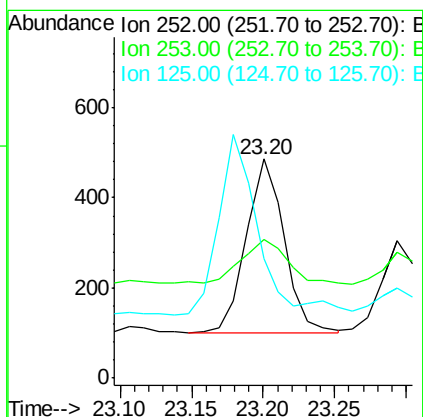
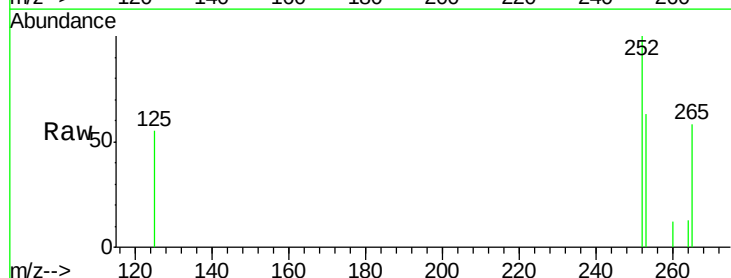
Instrument :
BNA_M
ClientSampleId :
MW1

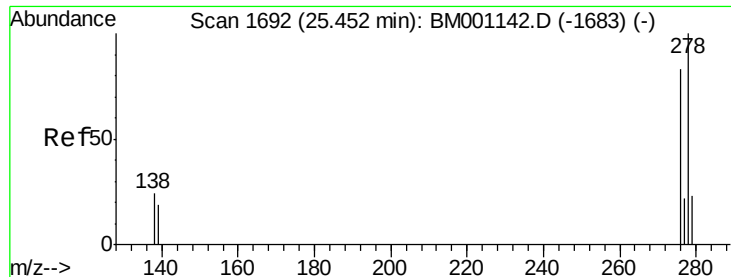
Tgt Ion: 252 Resp: 733
Ion Ratio Lower Upper
252 100
253 55.5 19.1 28.7#
125 37.3 9.3 13.9#



#33
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.20 min Scan# 1476
Delta R.T. -0.00 min
Lab File: BM001187.D
Acq: 04 May 2015 11:41

Tgt Ion: 252 Resp: 713
Ion Ratio Lower Upper
252 100
253 63.4 18.2 27.2#
125 54.5 10.6 16.0#





#34

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 25.45 min Scan# 1692

Delta R.T. 0.01 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

Instrument :

BNA_M

ClientSampleId :

MW1

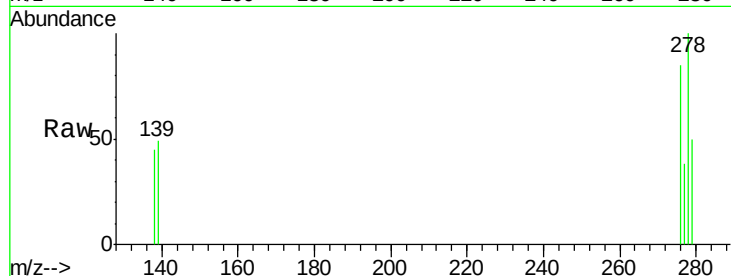
Tgt Ion: 278 Resp: 679

Ion Ratio Lower Upper

278 100

139 48.7 15.5 23.3#

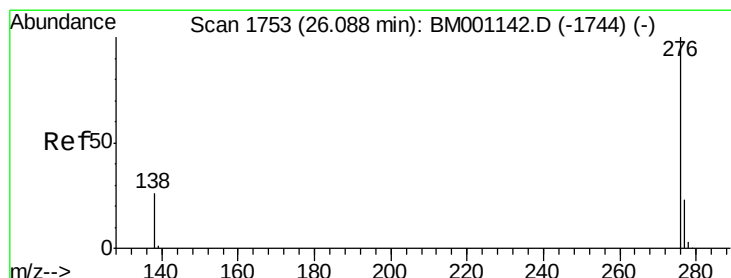
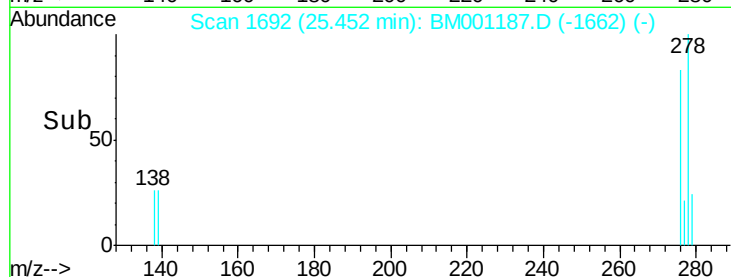
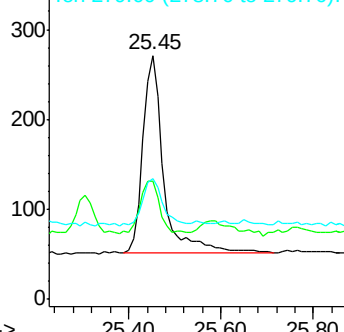
279 49.8 19.7 29.5#



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



#35

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.09 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM001187.D

Acq: 04 May 2015 11:41

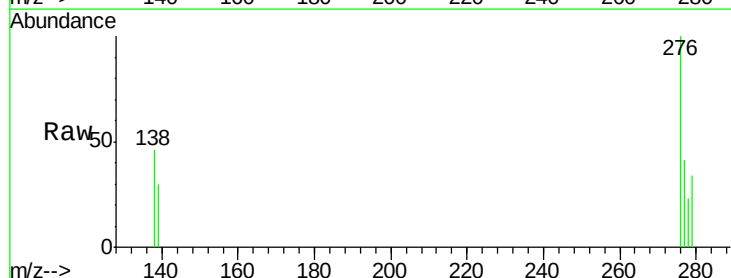
Tgt Ion: 276 Resp: 605

Ion Ratio Lower Upper

276 100

277 40.9 19.0 28.4#

138 46.2 21.3 31.9#



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

