

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050415\
 Data File : BM001198.D
 Acq On : 04 May 2015 23:49
 Operator : TP/IZ
 Sample : G2104-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-101

Quant Time: May 05 04:05:00 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 03:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	16306	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	67307	5.00	ng	0.00
12) Acenaphthene-d10	14.18	164	38229	5.00	ng	-0.02
18) Phenanthrene-d10	16.94	188	93187	5.00	ng	0.00
24) Chrysene-d12	21.15	240	78928	5.00	ng	0.00
30) Perylene-d12	23.29	264	64594	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	14539	4.58	ng	0.00
5) Phenol-d6	6.72	99	13841	3.54	ng	0.02
7) Nitrobenzene-d5	8.69	82	31178	8.18	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	26858	14.26	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	96158	7.61	ng	0.00
26) Terphenyl-d14	19.58	244	99572	9.15	ng	-0.01

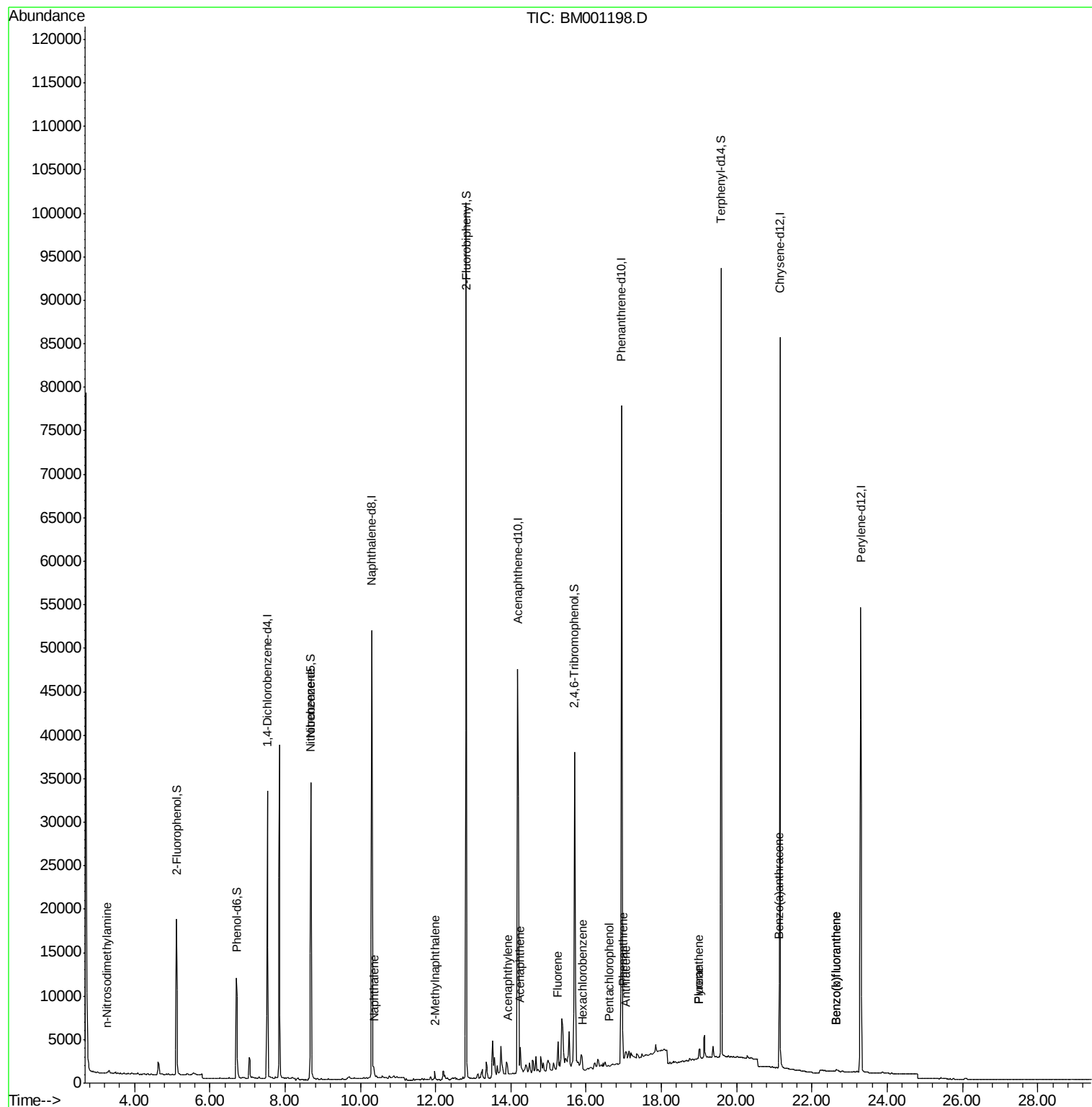
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.27	42	120	0.06	ng	# 1
8) Nitrobenzene	8.68	77	126	0.17	ng	# 24
9) Naphthalene	10.36	128	1739	0.12	ng	# 77
11) 2-Methylnaphthalene	11.98	142	742	0.07	ng	# 80
15) Acenaphthylene	13.91	152	533	0.03	ng	# 1
16) Acenaphthene	14.24	154	1848	0.16	ng	# 78
17) Fluorene	15.24	166	1984	0.15	ng	# 82
19) Hexachlorobenzene	15.91	284	490	0.10	ng	# 34
20) Pentachlorophenol	16.61	266	23	0.38	ng	# 60
21) Phenanthrene	16.98	178	4131	0.17	ng	# 76
22) Anthracene	17.06	178	1849	0.09	ng	# 75
23) Fluoranthene	19.00	202	1276	0.05	ng	# 78
25) Pyrene	19.00	202	1276	0.05	ng	95
27) Benzo(a)anthracene	21.13	228	614	0.03	ng	# 15
31) Benzo(b)fluoranthene	22.65	252	518	0.03	ng	# 1
32) Benzo(k)fluoranthene	22.65	252	518	0.03	ng	# 1

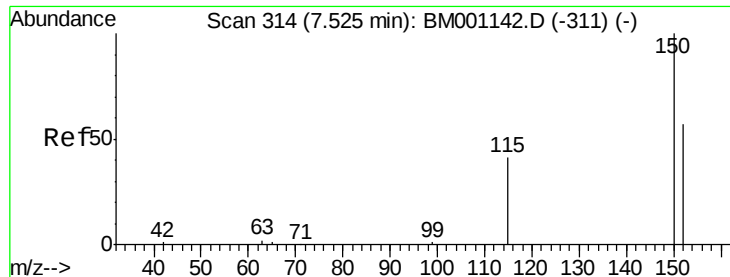
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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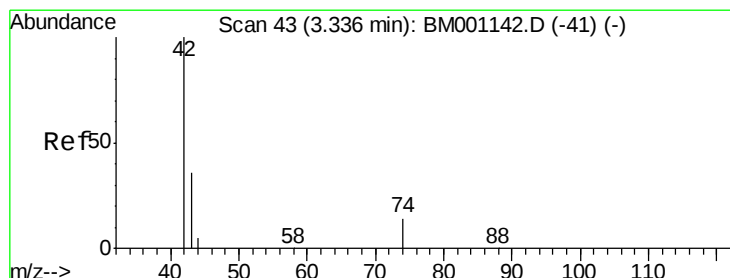
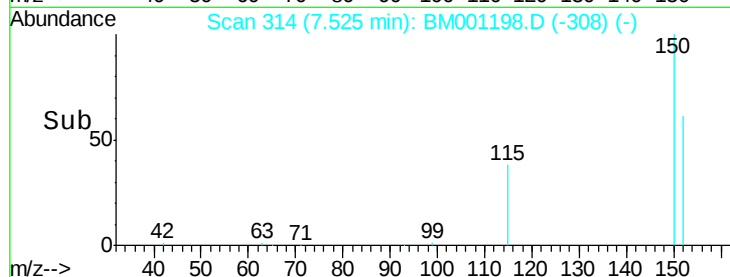
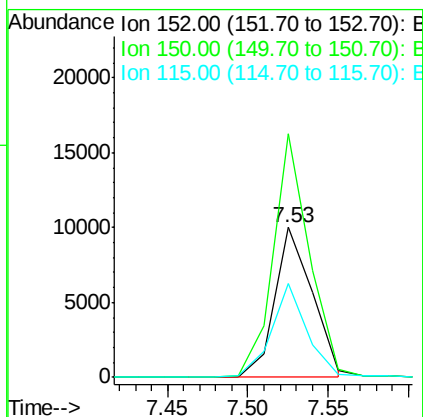
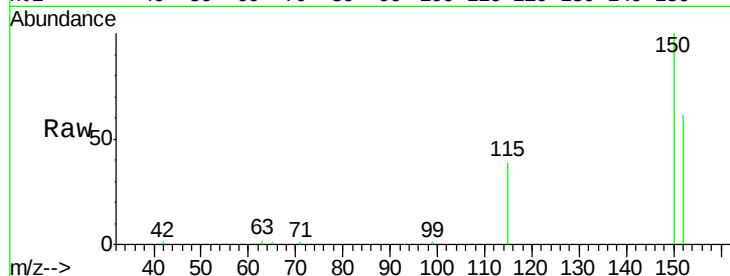




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.53 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: BM001198.D
 Acq: 04 May 2015 23:49

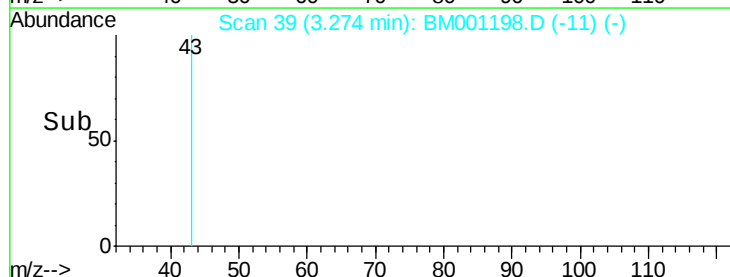
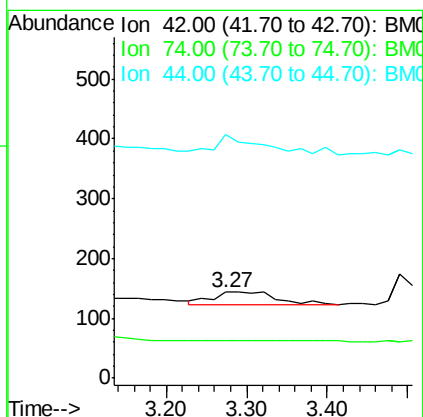
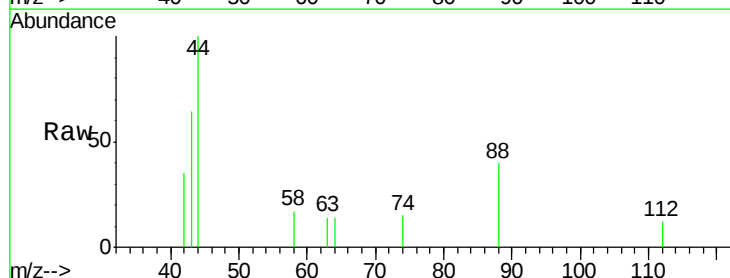
Instrument :
 BNA_M
 ClientSampleId :
 MW-101

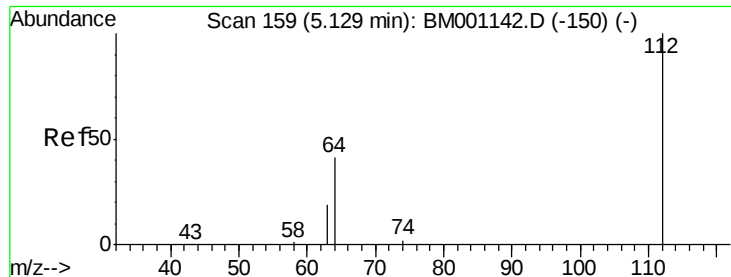
Tgt Ion: 152 Resp: 16306
 Ion Ratio Lower Upper
 152 100
 150 162.7 140.1 210.1
 115 62.9 57.8 86.6



#3
 n-Nitrosodimethylamine
 Concen: 0.06 ng
 RT: 3.27 min Scan# 39
 Delta R.T. -0.06 min
 Lab File: BM001198.D
 Acq: 04 May 2015 23:49

Tgt Ion: 42 Resp: 120
 Ion Ratio Lower Upper
 42 100
 74 0.0 72.0 108.0#
 44 92.5 3.7 5.5#





#4

2-Fluorophenol

Concen: 4.58 ng

RT: 5.11 min Scan# 158

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

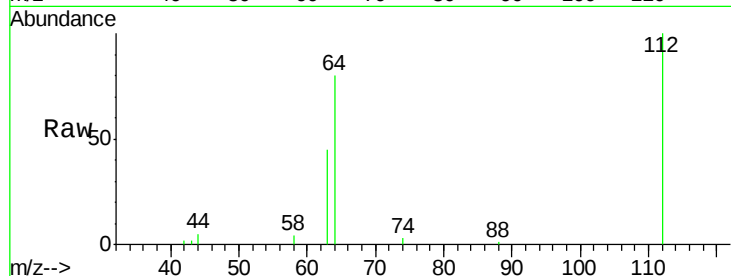
Tgt Ion: 112 Resp: 14539

Ion Ratio Lower Upper

112 100

64 64.3 52.6 79.0

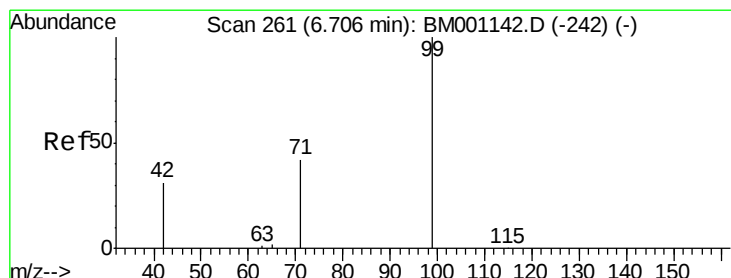
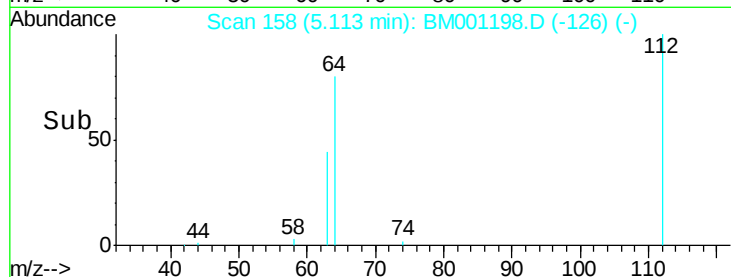
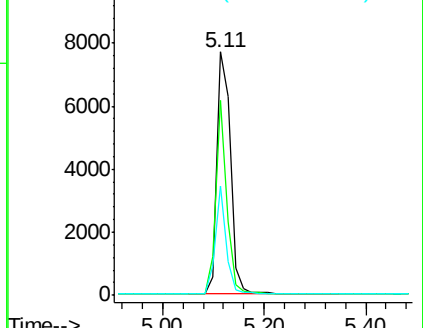
63 35.6 29.5 44.3



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: 3.54 ng

RT: 6.72 min Scan# 262

Delta R.T. 0.02 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

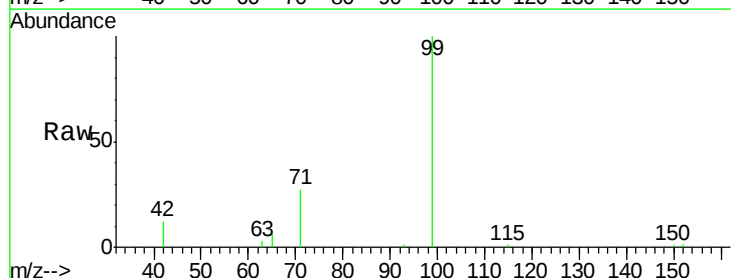
Tgt Ion: 99 Resp: 13841

Ion Ratio Lower Upper

99 100

42 24.2 20.9 31.3

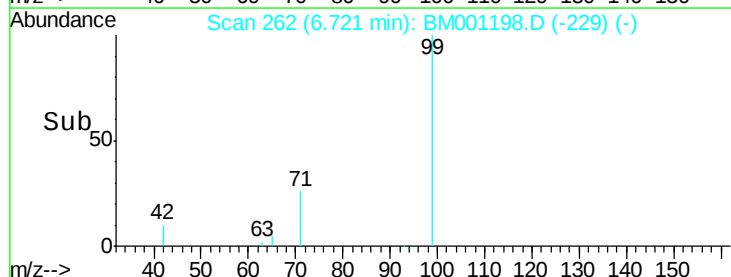
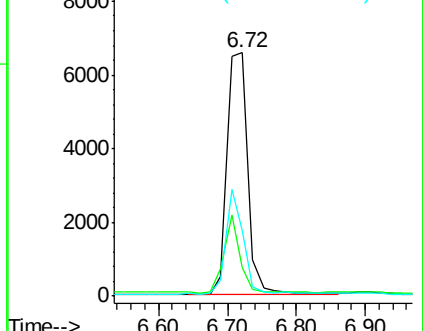
71 36.3 28.5 42.7

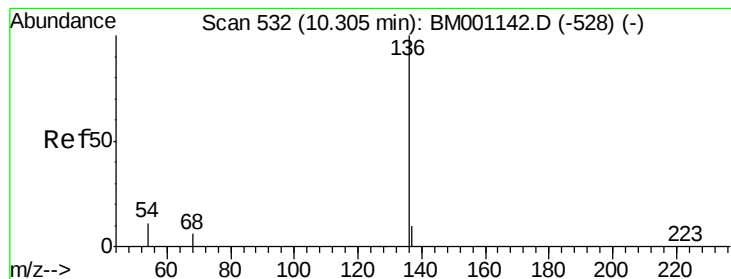


Abundance Ion 99.00 (98.70 to 99.70): B

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: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

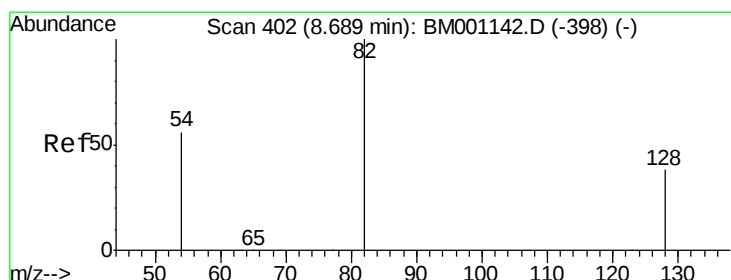
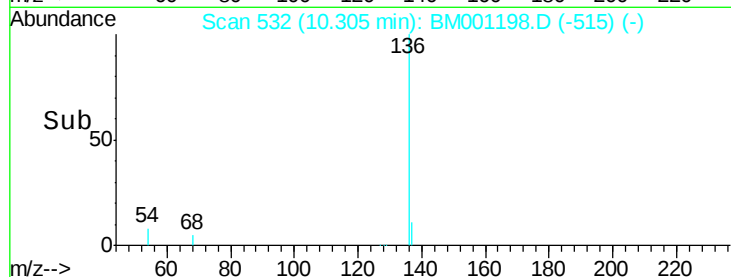
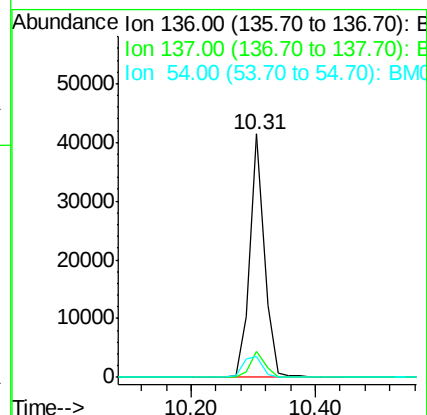
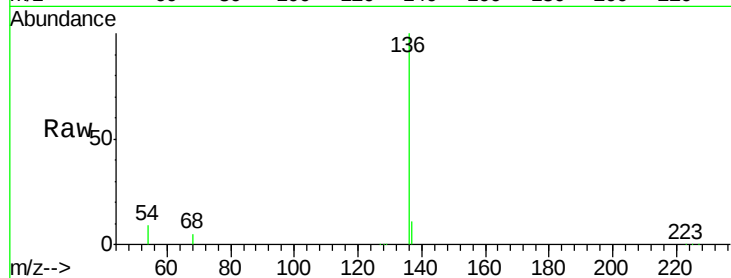
Tgt Ion:136 Resp: 67307

Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.4

54 8.6 9.0 13.4#



#7

Nitrobenzene-d5

Concen: 8.18 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

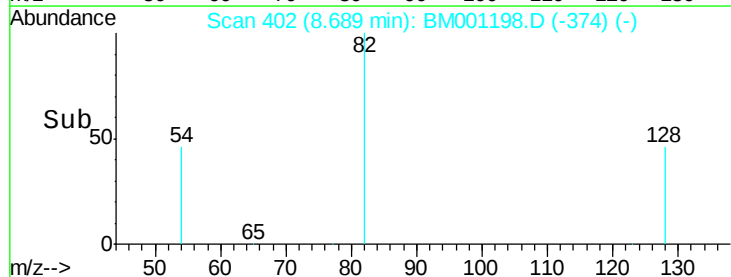
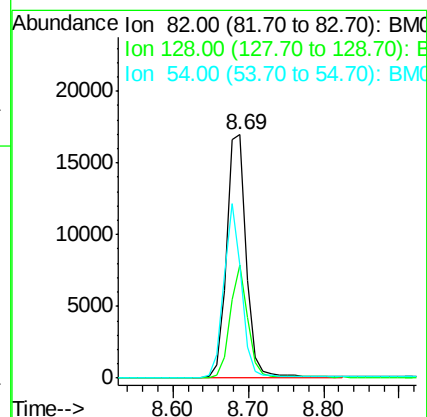
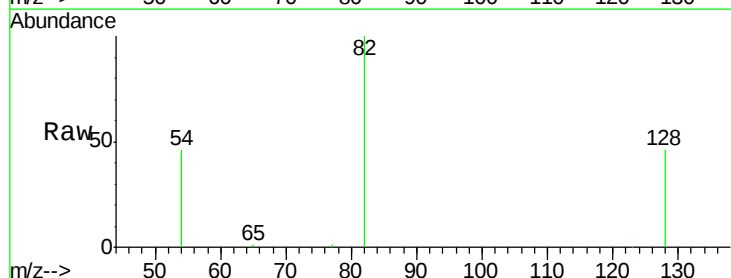
Tgt Ion: 82 Resp: 31178

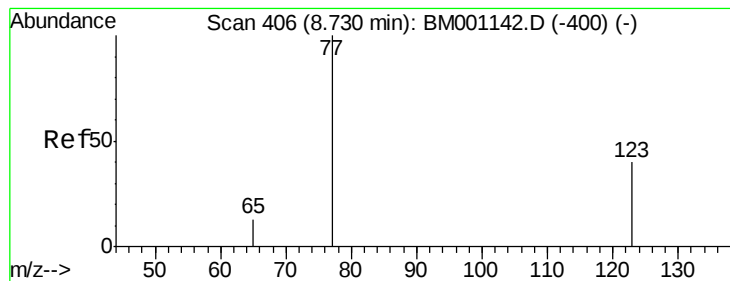
Ion Ratio Lower Upper

82 100

128 46.2 31.9 47.9

54 46.2 46.2 69.2





#8

Nitrobenzene

Concen: 0.17 ng

RT: 8.68 min Scan# 401

Delta R.T. -0.04 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

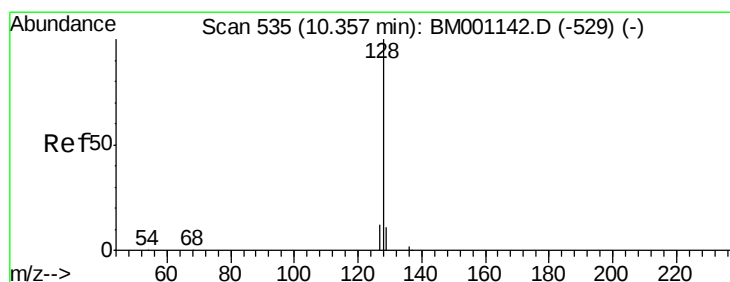
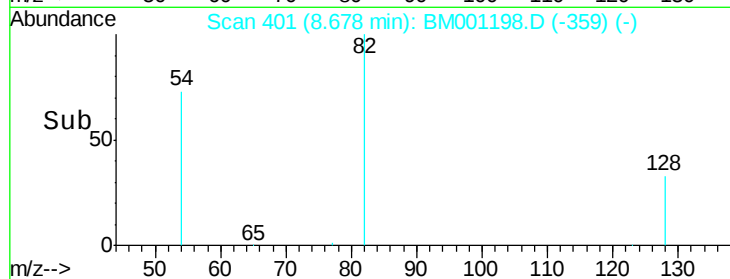
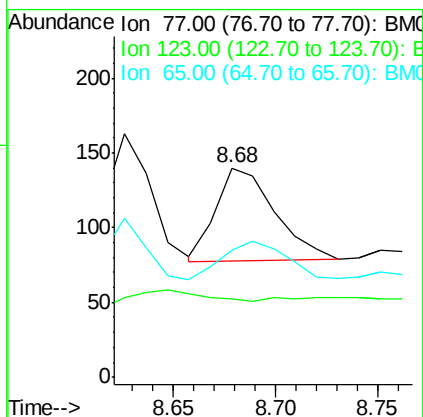
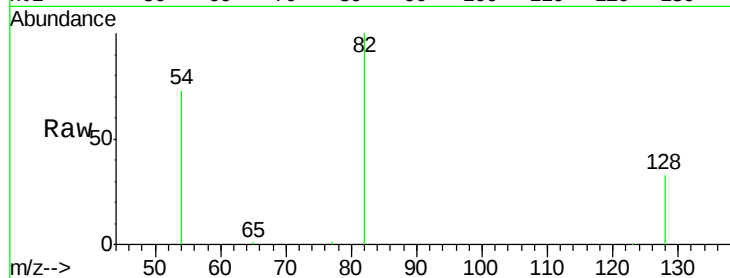
Tgt Ion: 77 Resp: 126

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

65 58.7 10.6 15.8#



#9

Naphthalene

Concen: 0.12 ng

RT: 10.36 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

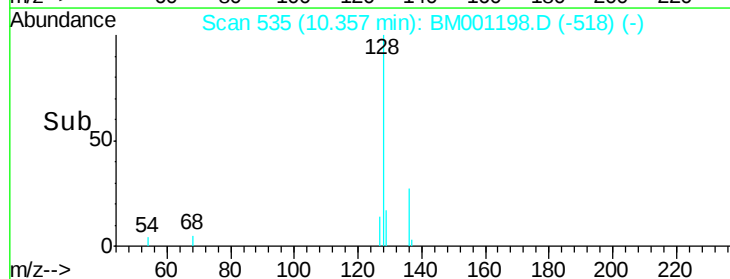
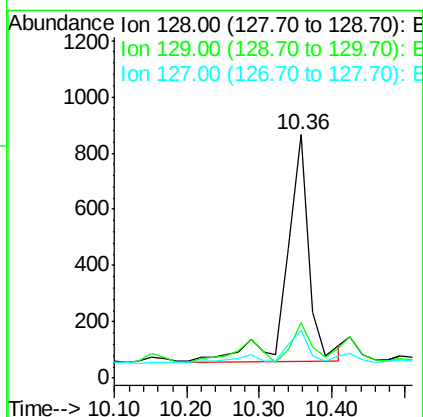
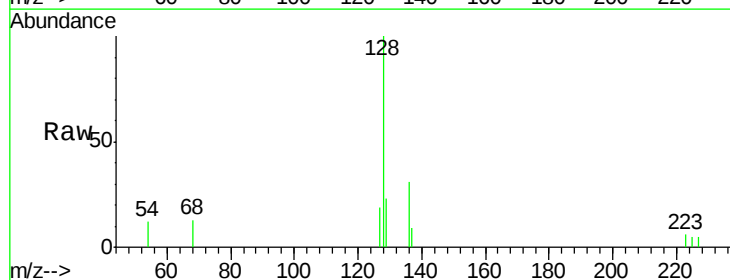
Tgt Ion: 128 Resp: 1739

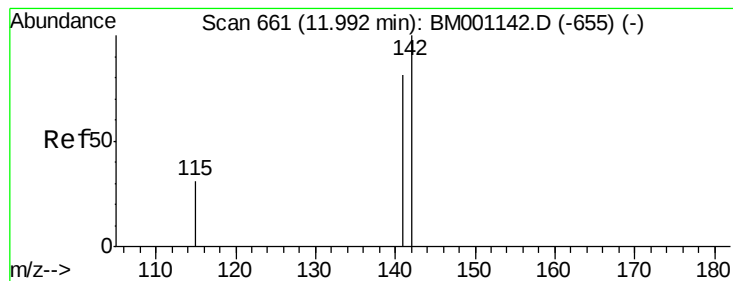
Ion Ratio Lower Upper

128 100

129 22.5 9.0 13.6#

127 19.4 10.0 15.0#





#11

2-Methylnaphthalene

Concen: 0.07 ng

RT: 11.98 min Scan# 660

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

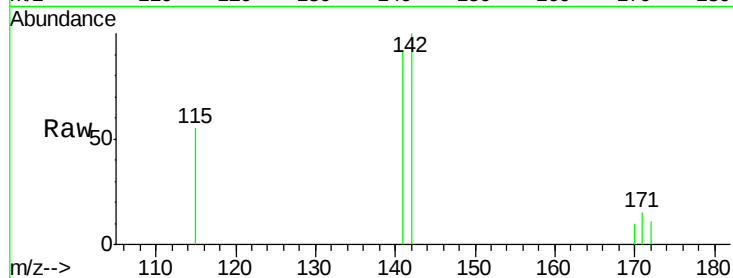
Tgt Ion:142 Resp: 742

Ion Ratio Lower Upper

142 100

141 91.7 65.1 97.7

115 55.4 25.1 37.7#



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

11.98

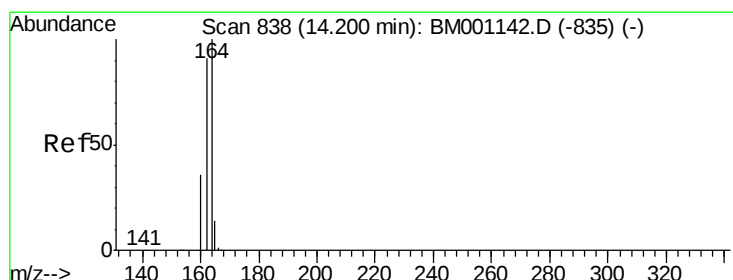
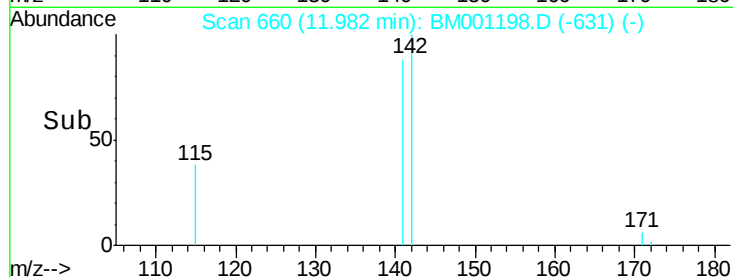
400

200

0

11.90 12.00 12.10

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.18 min Scan# 837

Delta R.T. -0.02 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

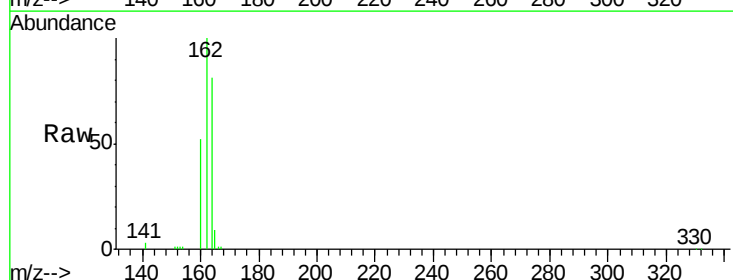
Tgt Ion:164 Resp: 38229

Ion Ratio Lower Upper

164 100

162 123.8 72.7 109.1#

160 64.4 28.7 43.1#



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

14.18

25000

20000

15000

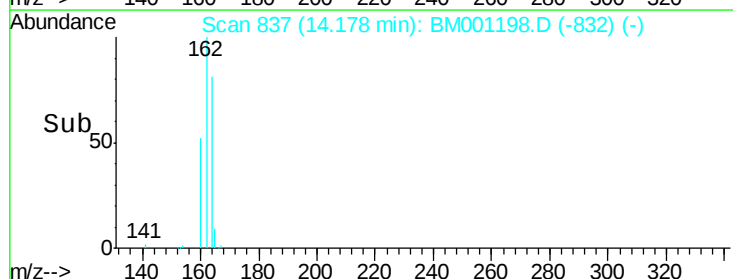
10000

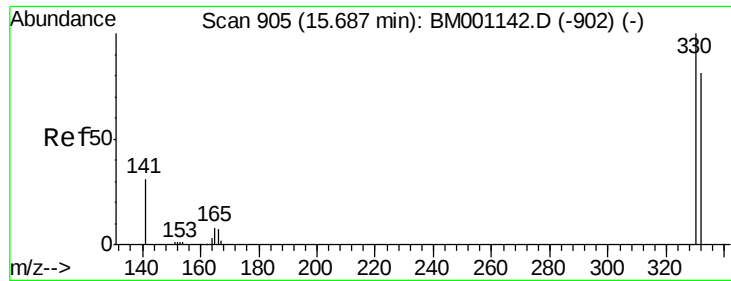
5000

0

14.10 14.20 14.30

Time-->

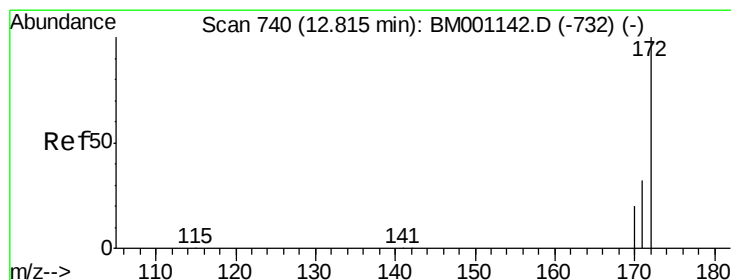
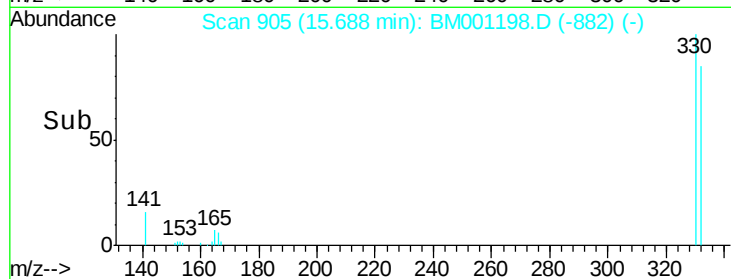
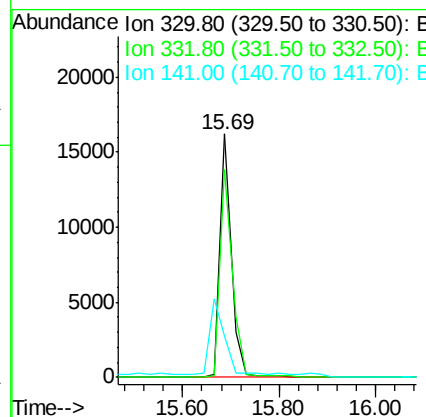
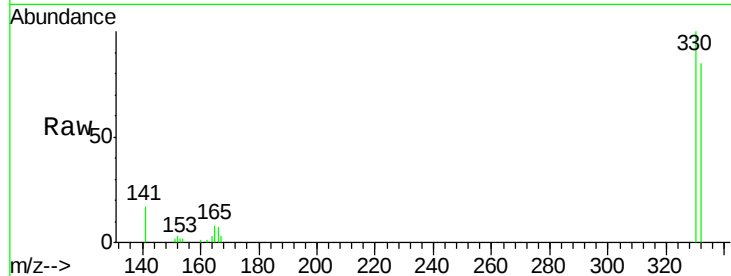




#13
 2,4,6-Tribromophenol
 Concen: 14.26 ng
 RT: 15.69 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BM001198.D
 Acq: 04 May 2015 23:49

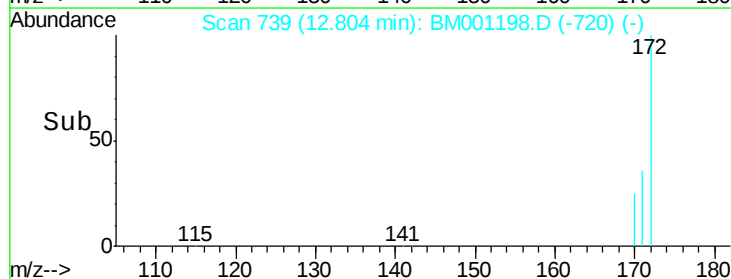
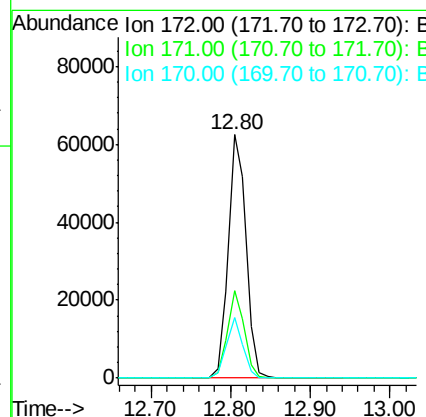
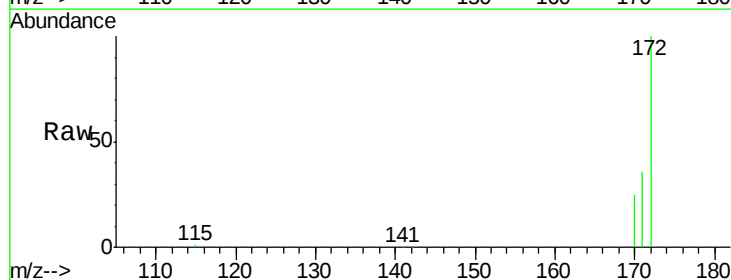
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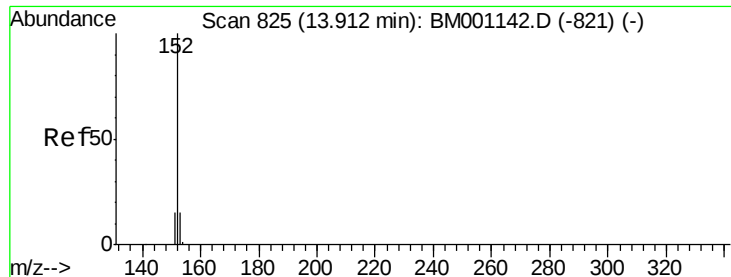
Tgt Ion:330 Resp: 26858
 Ion Ratio Lower Upper
 330 100
 332 92.5 74.5 111.7
 141 0.0 21.0 31.4#



#14
 2-Fluorobiphenyl
 Concen: 7.61 ng
 RT: 12.80 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BM001198.D
 Acq: 04 May 2015 23:49

Tgt Ion:172 Resp: 96158
 Ion Ratio Lower Upper
 172 100
 171 36.2 25.8 38.6
 170 24.8 16.1 24.1#

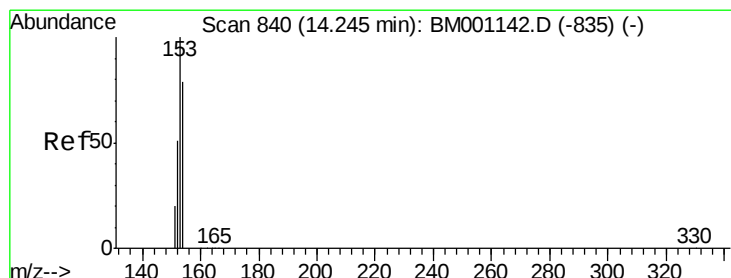
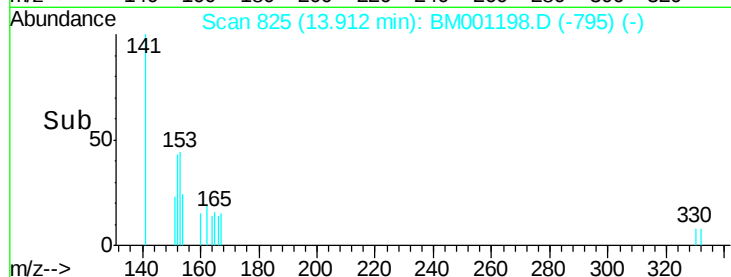
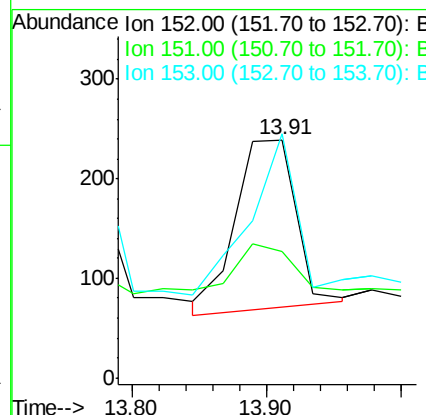
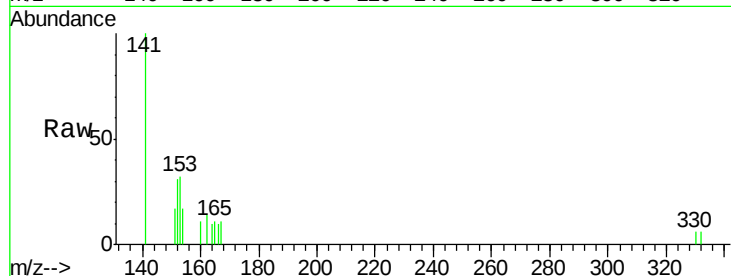




#15
Acenaphthylene
Concen: 0.03 ng
RT: 13.91 min Scan# 825
Delta R.T. 0.02 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

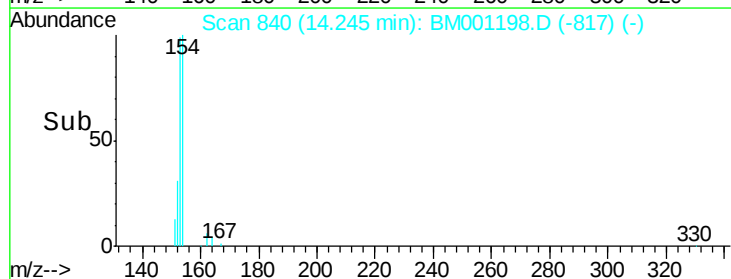
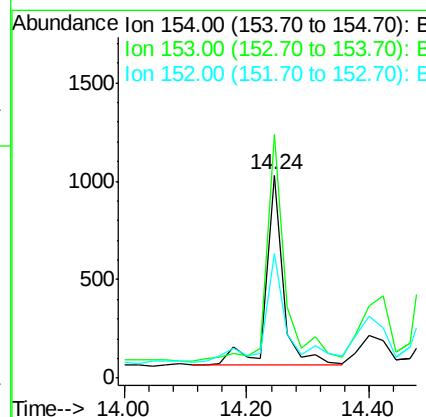
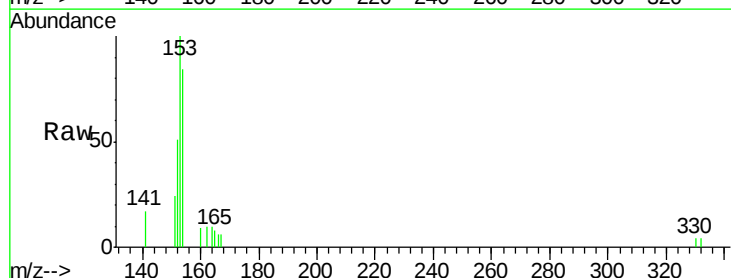
Instrument :
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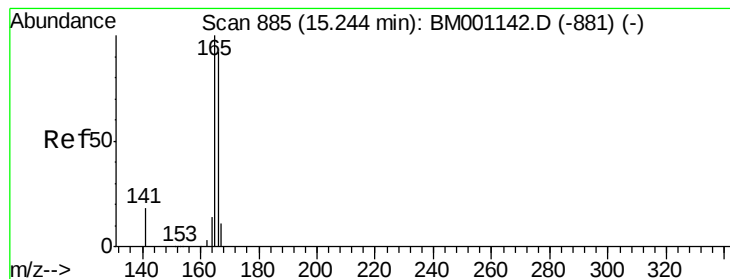
Tgt Ion:152 Resp: 533
Ion Ratio Lower Upper
152 100
151 0.0 0.0 0.0
153 79.4 10.3 15.5#



#16
Acenaphthene
Concen: 0.16 ng
RT: 14.24 min Scan# 840
Delta R.T. -0.00 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

Tgt Ion:154 Resp: 1848
Ion Ratio Lower Upper
154 100
153 131.0 90.6 136.0
152 79.5 45.0 67.4#





#17

Fluorene

Concen: 0.15 ng

RT: 15.24 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

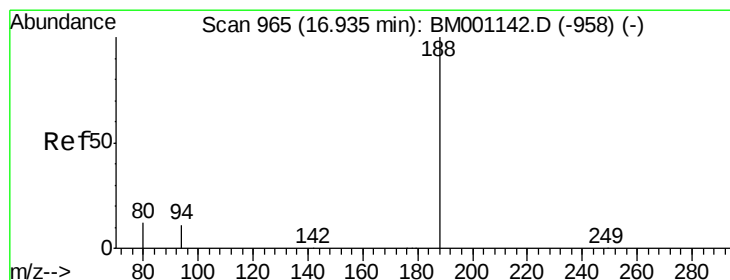
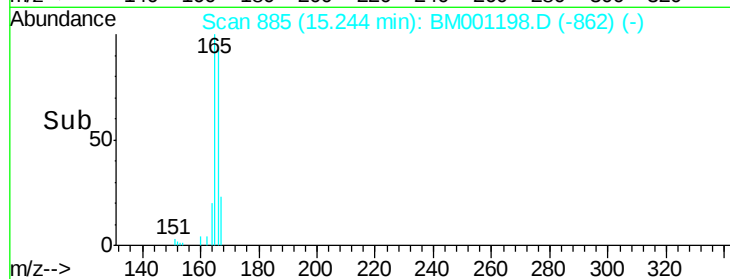
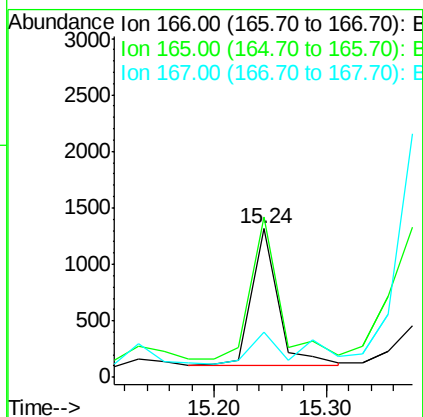
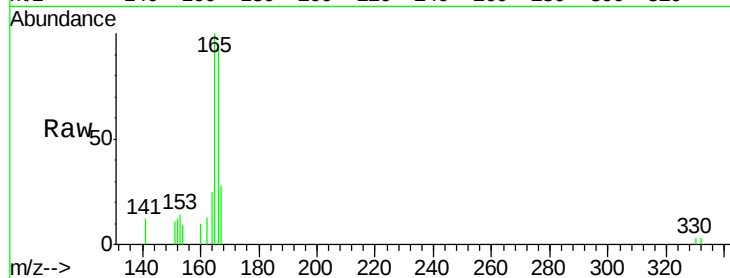
Tgt Ion:166 Resp: 1984

Ion Ratio Lower Upper

166 100

165 111.9 81.0 121.6

167 44.2 10.4 15.6#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 965

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

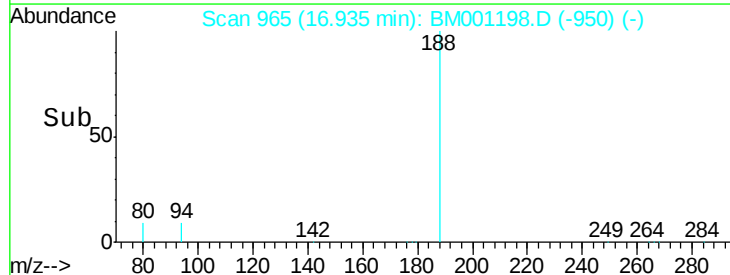
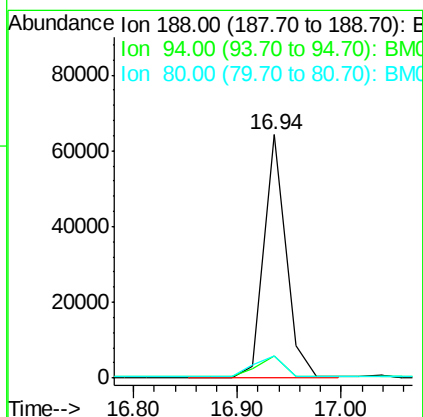
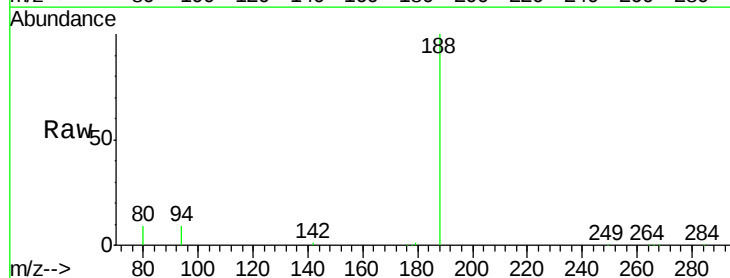
Tgt Ion:188 Resp: 93187

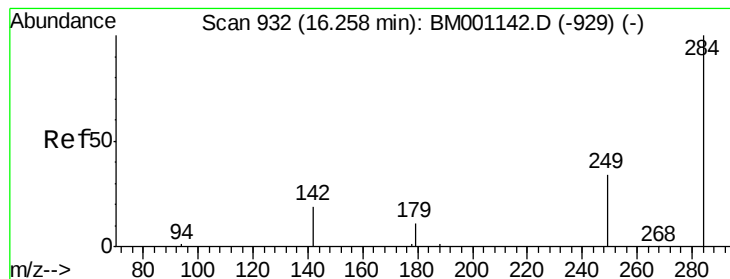
Ion Ratio Lower Upper

188 100

94 9.4 9.3 13.9

80 9.2 9.8 14.6#

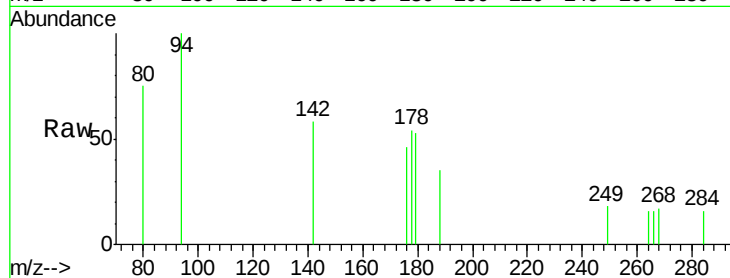




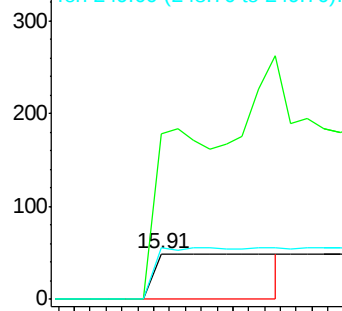
#19
Hexachlorobenzene
Concen: 0.10 ng
RT: 15.91 min Scan# 915
Delta R.T. -0.35 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

Instrument :
BNA_M
ClientSampleId :
MW-101

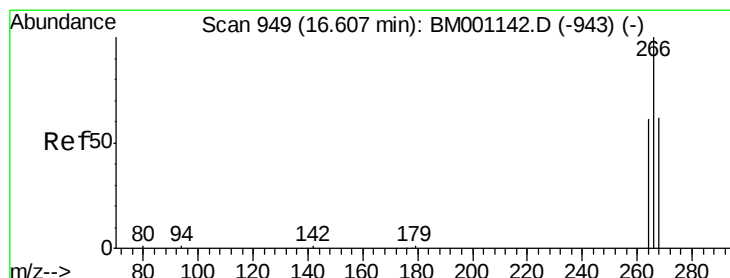
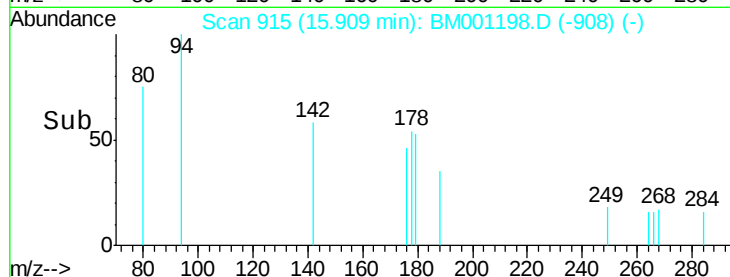
Tgt Ion: 284 Resp: 490
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 70.2 26.5 39.7#



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

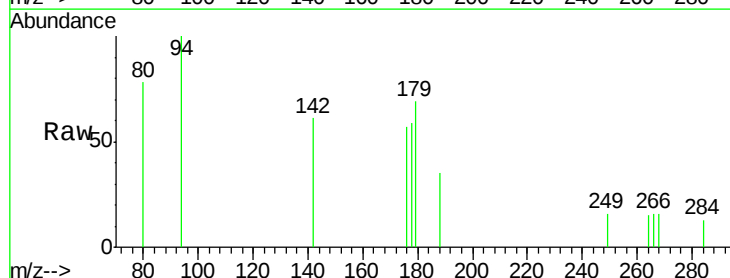


Time-->

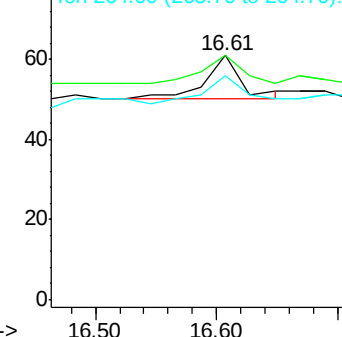


#20
Pentachlorophenol
Concen: 0.38 ng
RT: 16.61 min Scan# 949
Delta R.T. -0.00 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

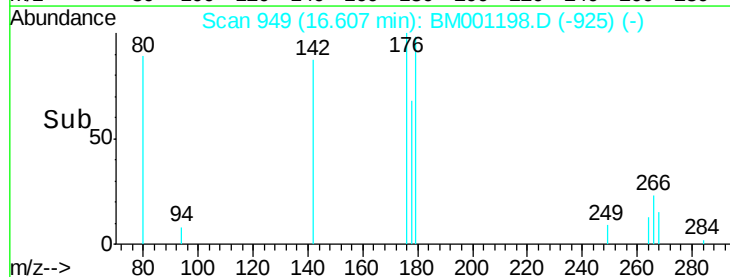
Tgt Ion: 266 Resp: 23
Ion Ratio Lower Upper
266 100
268 100.0 52.6 79.0#
264 91.8 51.0 76.4#

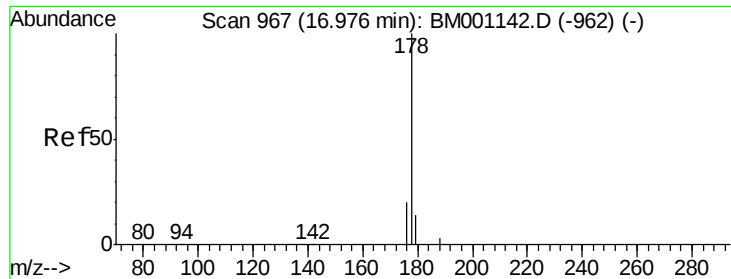


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time-->

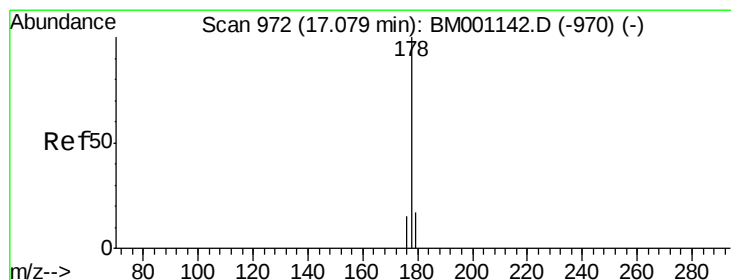
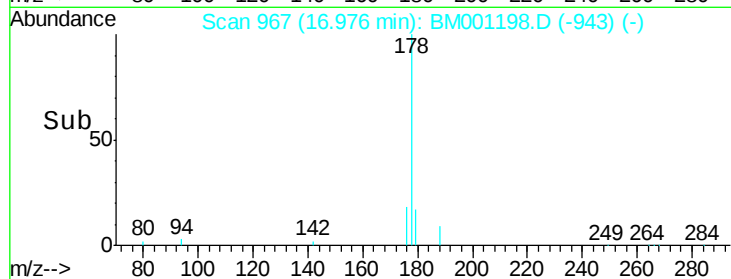
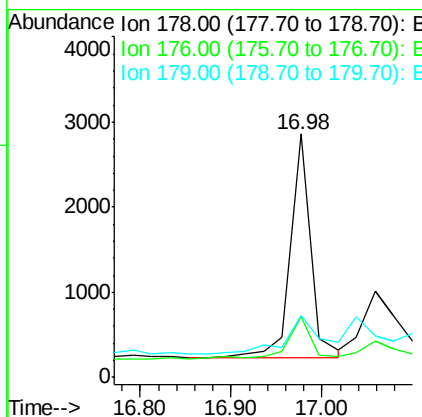
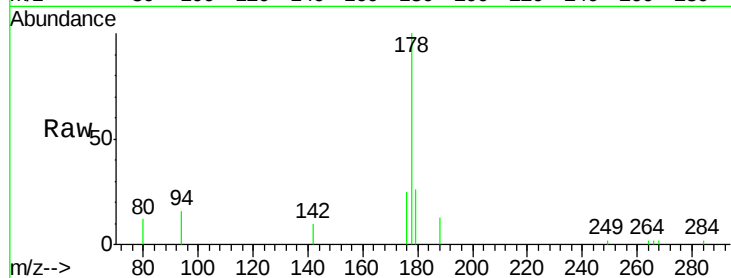




#21
Phenanthrene
Concen: 0.17 ng
RT: 16.98 min Scan# 967
Delta R.T. -0.00 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

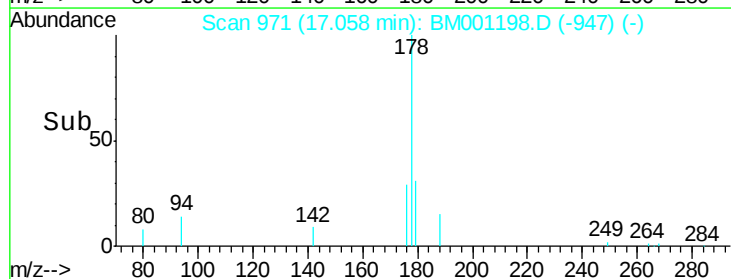
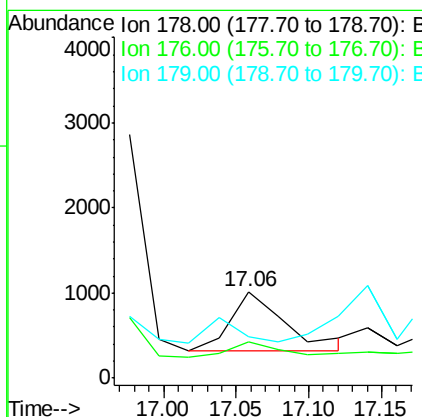
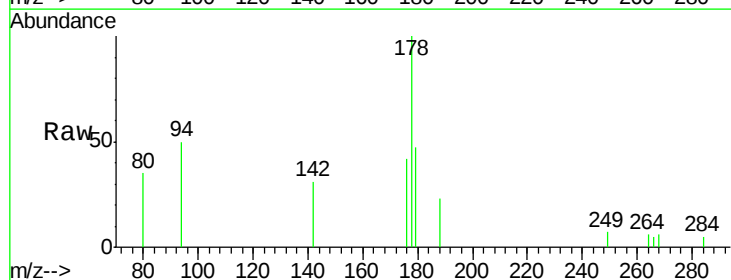
Instrument :
BNA_M
ClientSampleId :
MW-101

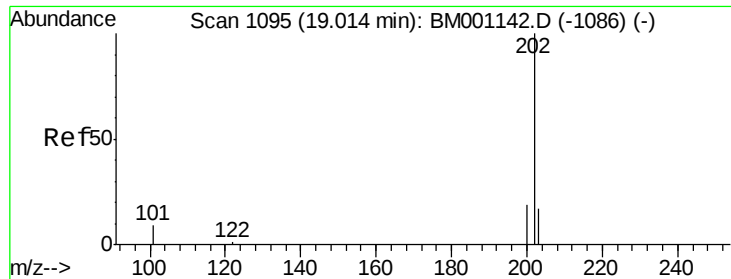
Tgt Ion:178 Resp: 4131
Ion Ratio Lower Upper
178 100
176 25.0 15.5 23.3#
179 31.2 12.0 18.0#



#22
Anthracene
Concen: 0.09 ng
RT: 17.06 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

Tgt Ion:178 Resp: 1849
Ion Ratio Lower Upper
178 100
176 24.3 14.3 21.5#
179 0.0 12.2 18.2#





#23

Fluoranthene

Concen: 0.05 ng

RT: 19.00 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

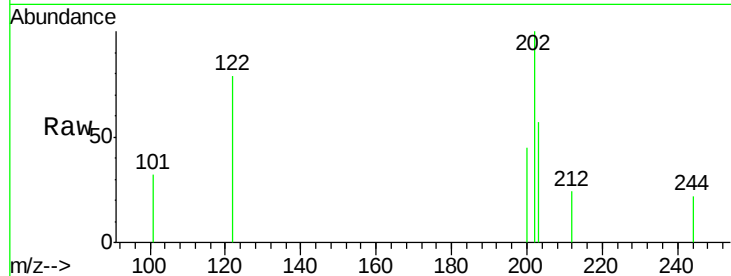
Tgt Ion: 202 Resp: 1276

Ion Ratio Lower Upper

202 100

101 30.7 9.3 13.9#

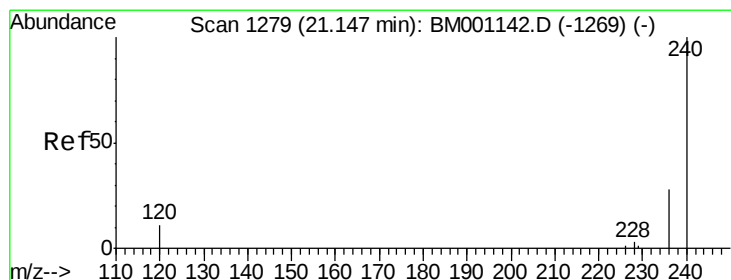
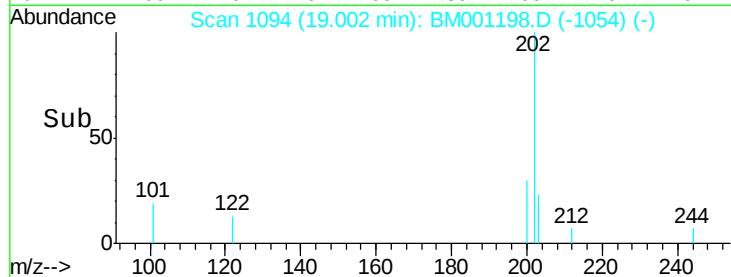
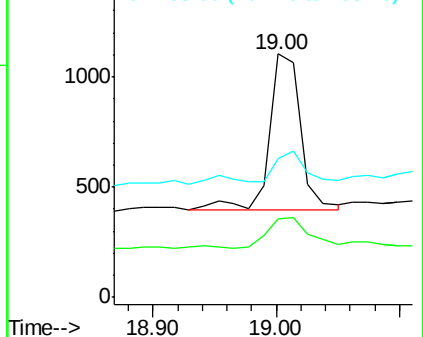
203 18.3 13.7 20.5



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: BM001198.D

Acq: 04 May 2015 23:49

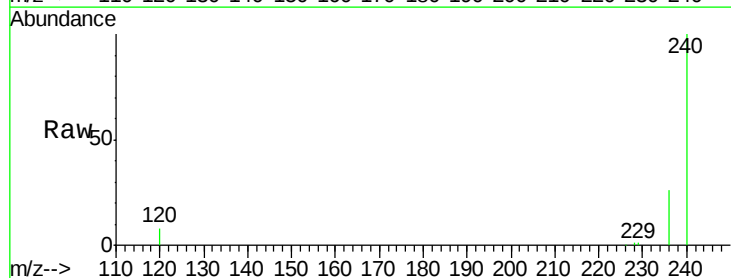
Tgt Ion: 240 Resp: 78928

Ion Ratio Lower Upper

240 100

120 7.5 9.2 13.8#

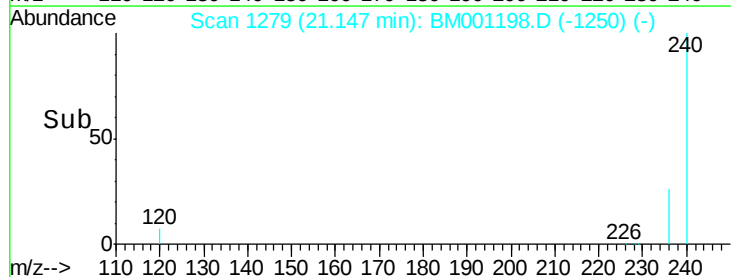
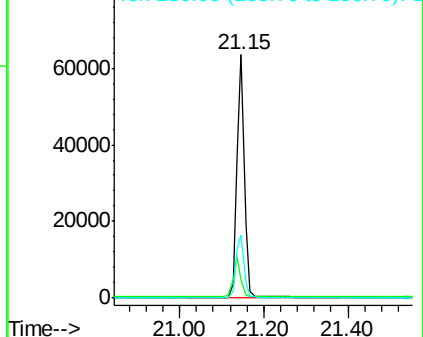
236 25.7 22.4 33.6

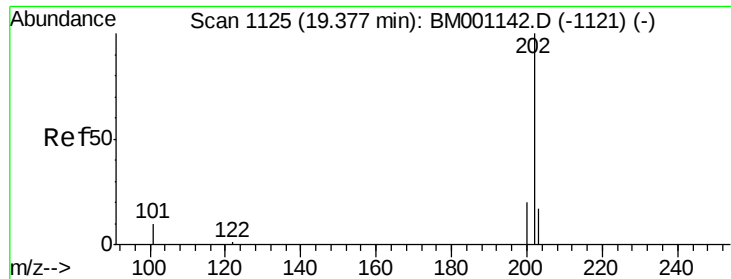


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

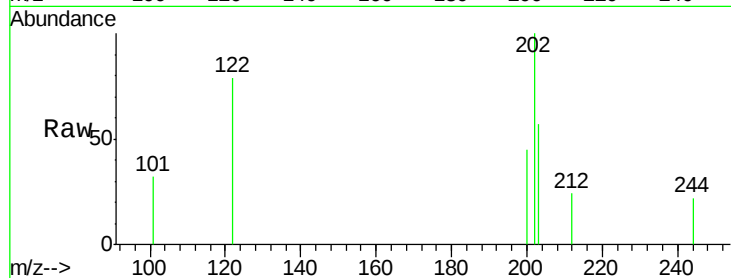




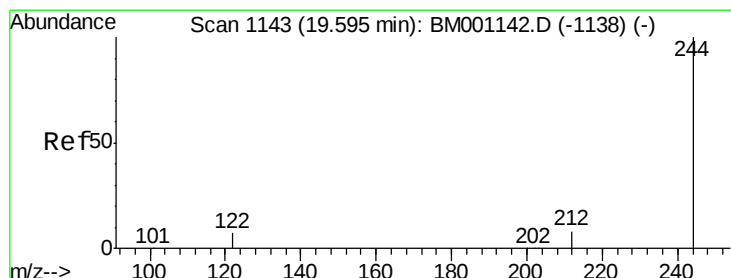
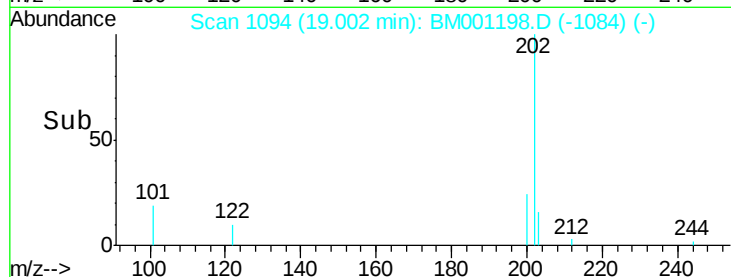
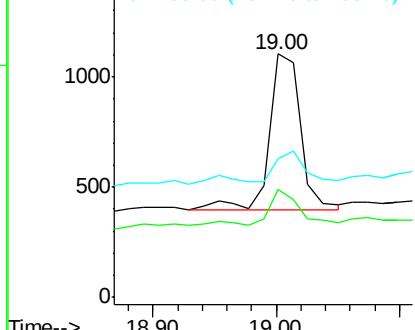
#25
Pyrene
Concen: 0.05 ng
RT: 19.00 min Scan# 1094
Delta R.T. -0.38 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

Instrument :
BNA_M
ClientSampleId :
MW-101

Tgt Ion: 202 Resp: 1276
Ion Ratio Lower Upper
202 100
200 23.6 16.4 24.6
203 18.2 13.8 20.6

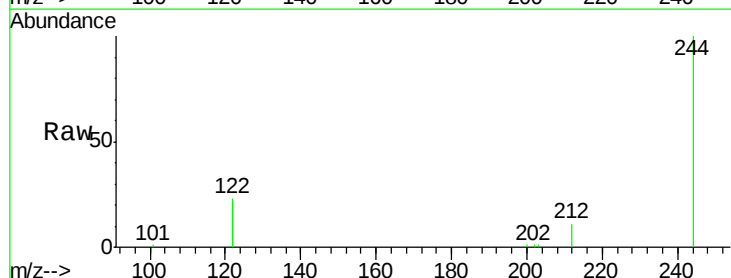


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

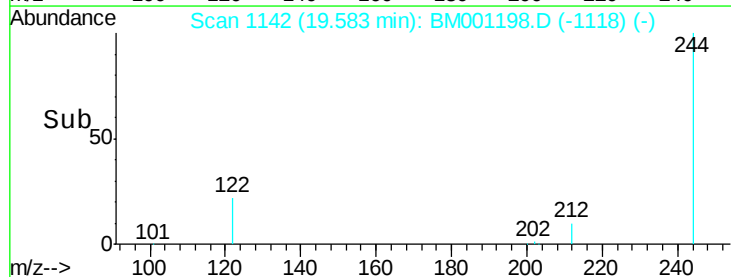
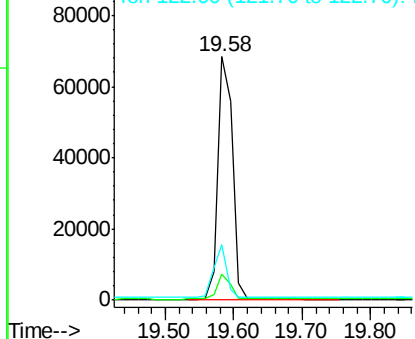


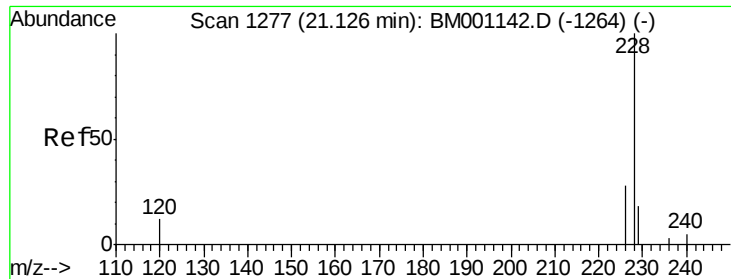
#26
Terphenyl-d14
Concen: 9.15 ng
RT: 19.58 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BM001198.D
Acq: 04 May 2015 23:49

Tgt Ion: 244 Resp: 99572
Ion Ratio Lower Upper
244 100
212 10.7 7.1 10.7#
122 22.7 6.2 9.4#



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





#27

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.13 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

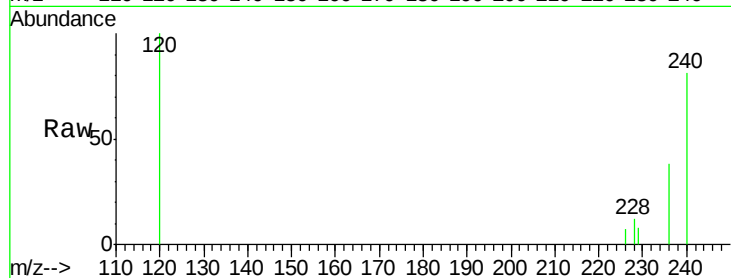
Tgt Ion:228 Resp: 614

Ion Ratio Lower Upper

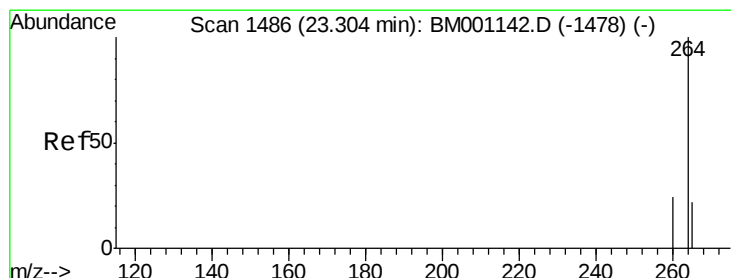
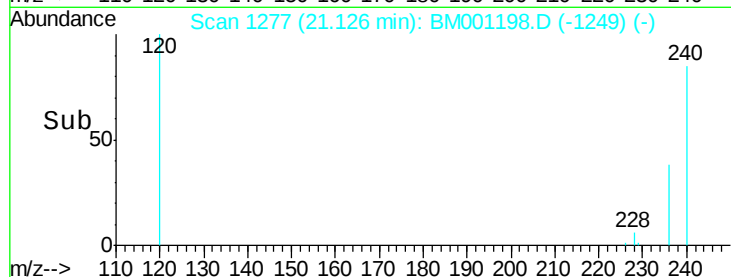
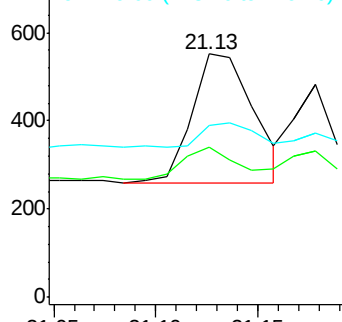
228 100

226 61.8 22.8 34.2#

229 70.7 14.4 21.6#



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



#30

Perylene-d12

Concen: 5.00 ng

RT: 23.29 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

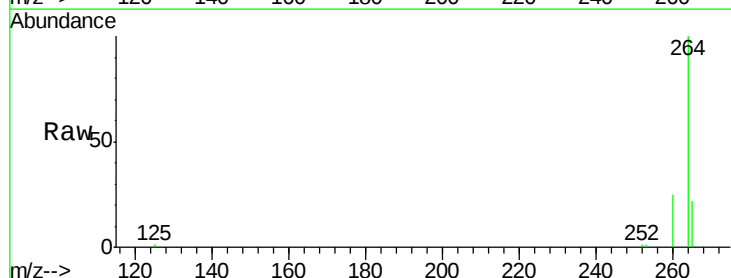
Tgt Ion:264 Resp: 64594

Ion Ratio Lower Upper

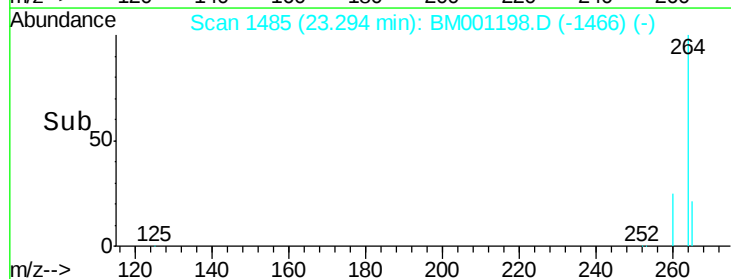
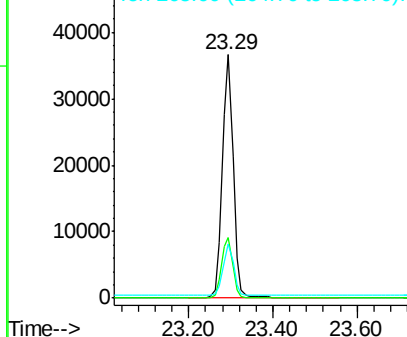
264 100

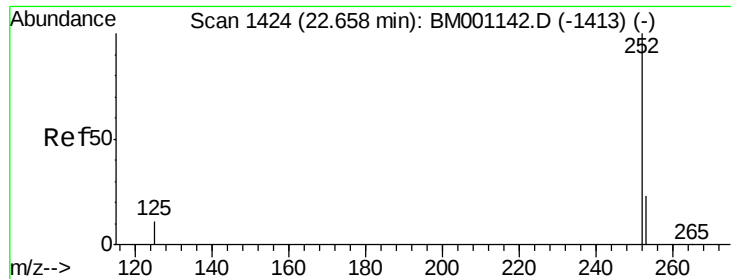
260 25.0 18.9 28.3

265 22.0 18.1 27.1



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





#31

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.65 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

Instrument :

BNA_M

ClientSampleId :

MW-101

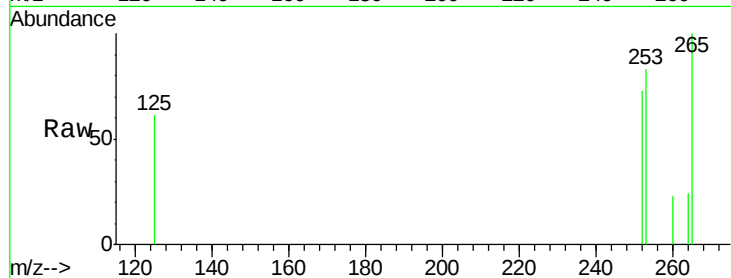
Tgt Ion:252 Resp: 518

Ion Ratio Lower Upper

252 100

253 113.1 19.0 28.4#

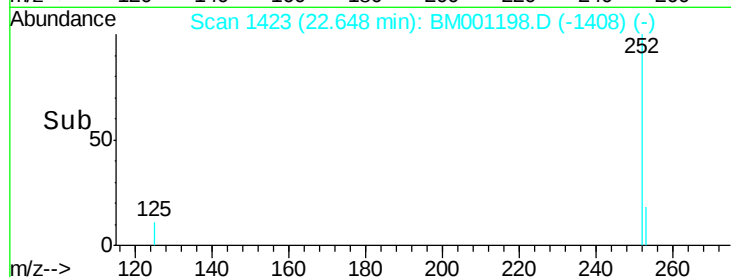
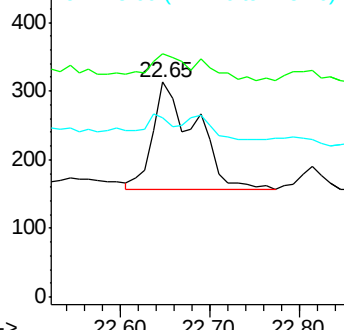
125 83.7 9.1 13.7#



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



#32

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.65 min Scan# 1423

Delta R.T. -0.04 min

Lab File: BM001198.D

Acq: 04 May 2015 23:49

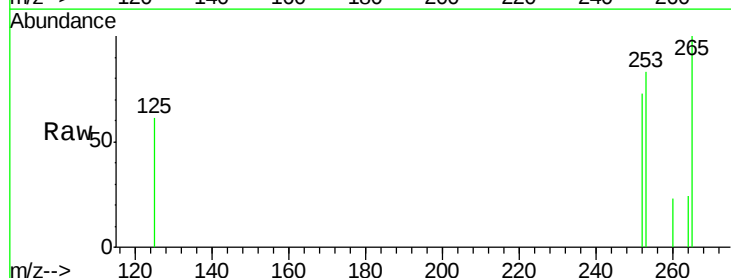
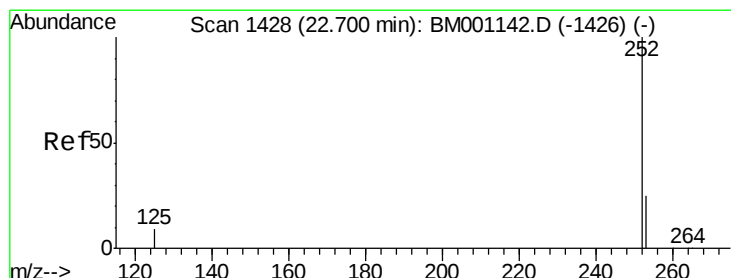
Tgt Ion:252 Resp: 518

Ion Ratio Lower Upper

252 100

253 113.1 19.1 28.7#

125 83.7 9.3 13.9#



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

