

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050415\
 Data File : BM001197.D
 Acq On : 04 May 2015 23:13
 Operator : TP/IZ
 Sample : G2104-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-104

Quant Time: May 05 04:04:45 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

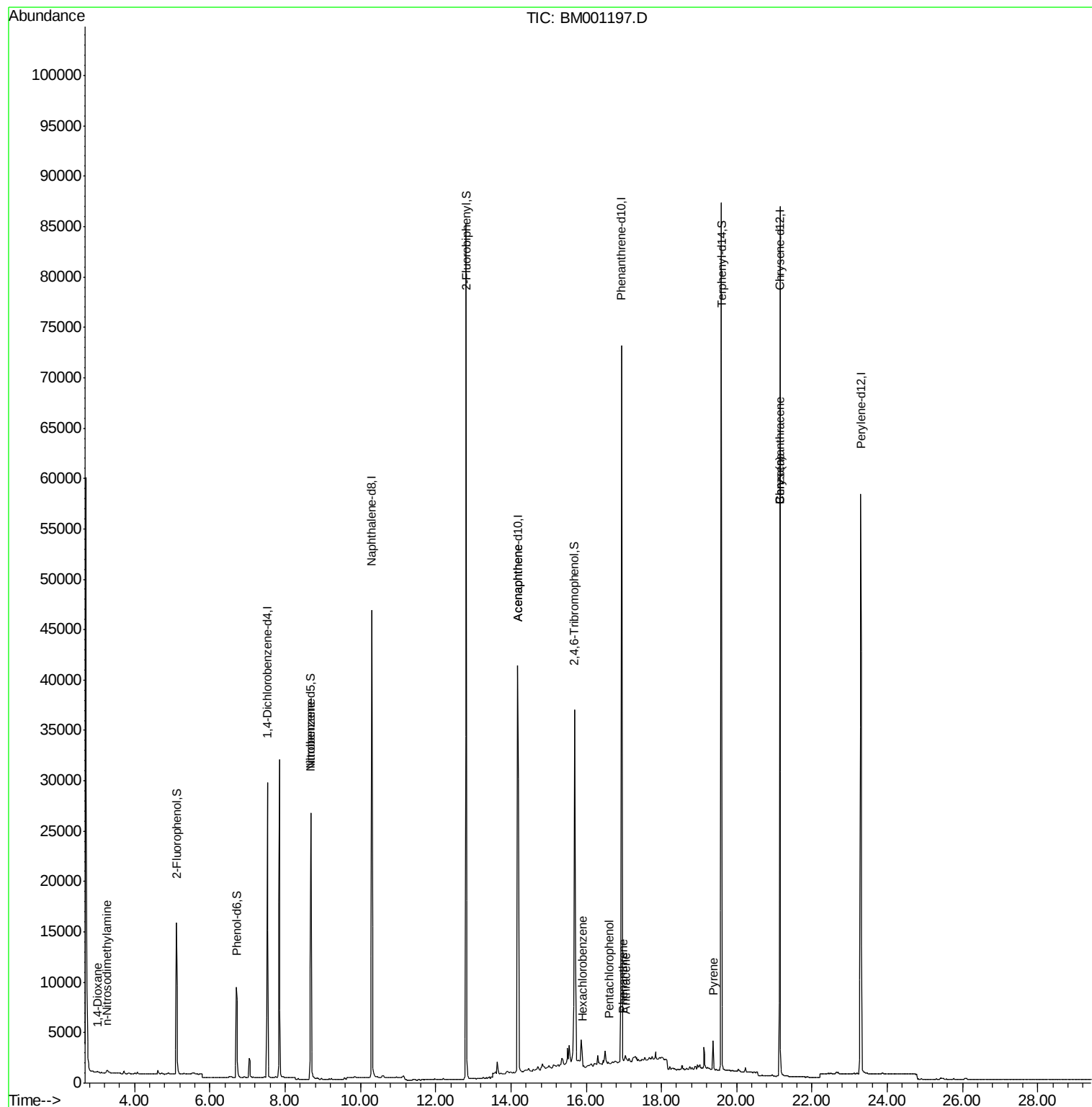
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	14767	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	60845	5.00	ng	0.00
12) Acenaphthene-d10	14.18	164	34413	5.00	ng	-0.02
18) Phenanthrene-d10	16.94	188	87818	5.00	ng	0.00
24) Chrysene-d12	21.15	240	78846	5.00	ng	0.00
30) Perylene-d12	23.29	264	69017	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	12661	4.41	ng	0.00
5) Phenol-d6	6.72	99	11197	3.16	ng	0.02
7) Nitrobenzene-d5	8.69	82	25046	7.27	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	26580	15.66	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	84414	7.42	ng	0.00
26) Terphenyl-d14	19.59	244	101600	9.35	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.03	88	669	0.12	ng	# 40
3) n-Nitrosodimethylamine	3.27	42	149	0.08	ng	# 1
8) Nitrobenzene	8.68	77	83	0.17	ng	# 34
16) Acenaphthene	14.18	154	276	0.03	ng	# 4
19) Hexachlorobenzene	15.91	284	186	0.04	ng	# 42
20) Pentachlorophenol	16.61	266	14	0.38	ng	# 55
21) Phenanthrene	16.98	178	474	0.02	ng	# 76
22) Anthracene	17.06	178	421	0.02	ng	# 1
25) Pyrene	19.38	202	3110	0.13	ng	# 94
27) Benzo(a)anthracene	21.14	228	652	0.03	ng	# 54
28) Chrysene	21.14	228	664	0.03	ng	# 57

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

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QLast Update : Tue May 05 03:49:45 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.52 min Scan# 314

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

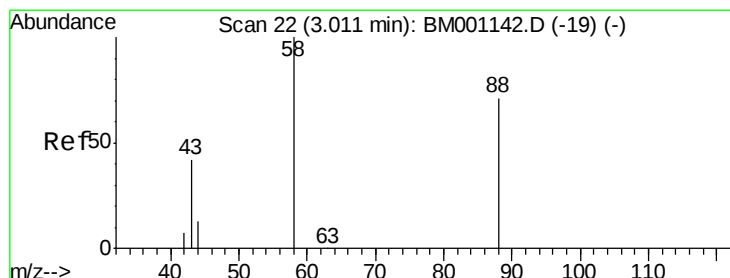
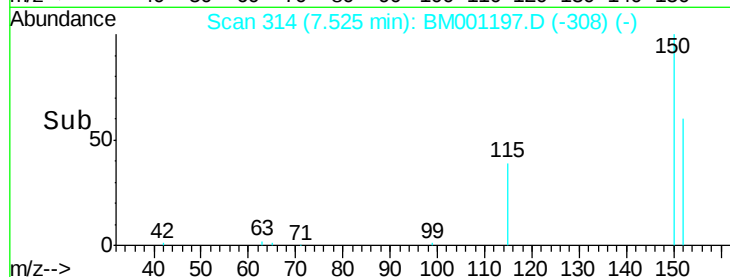
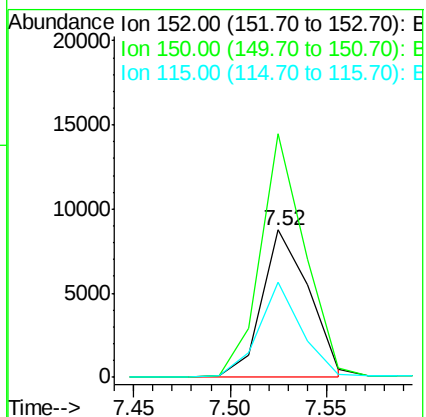
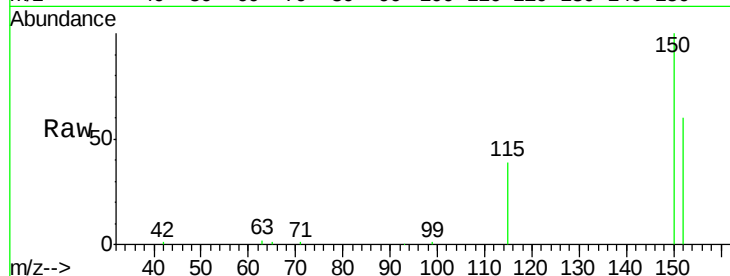
Tgt Ion:152 Resp: 14767

Ion Ratio Lower Upper

152 100

150 165.3 140.1 210.1

115 64.4 57.8 86.6



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 3.03 min Scan# 23

Delta R.T. 0.02 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

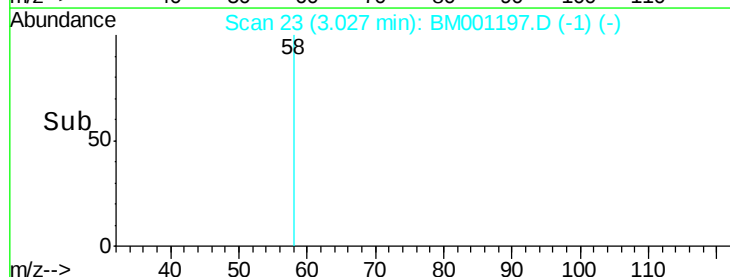
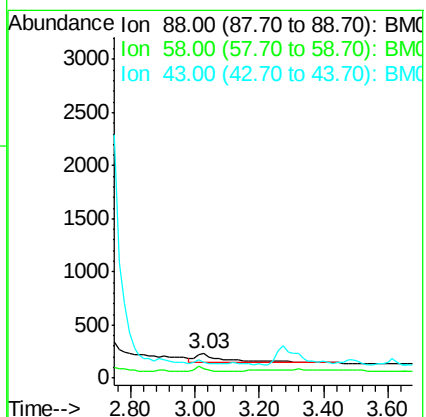
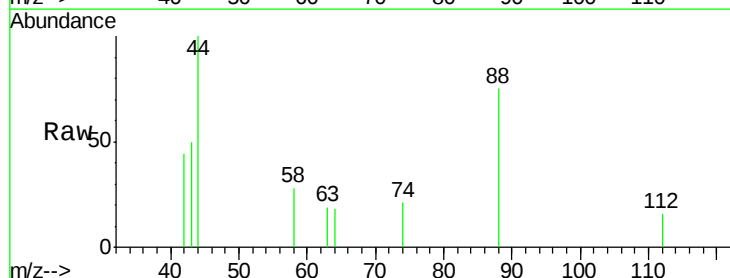
Tgt Ion: 88 Resp: 669

Ion Ratio Lower Upper

88 100

58 13.3 48.2 72.2#

43 0.0 24.8 37.2#





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.27 min Scan# 39

Delta R.T. -0.06 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

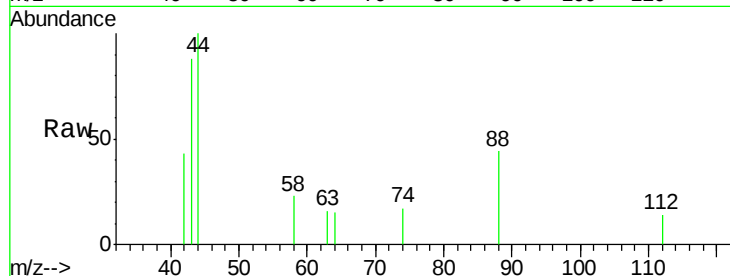
Tgt Ion: 42 Resp: 149

Ion Ratio Lower Upper

42 100

74 0.0 72.0 108.0#

44 157.7 3.7 5.5#



Abundance Ion 42.00 (41.70 to 42.70): BM001142.D (-41) (-)

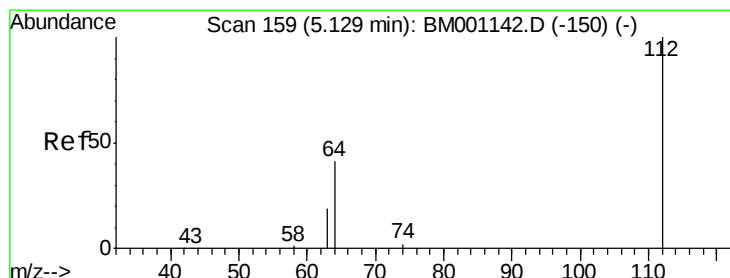
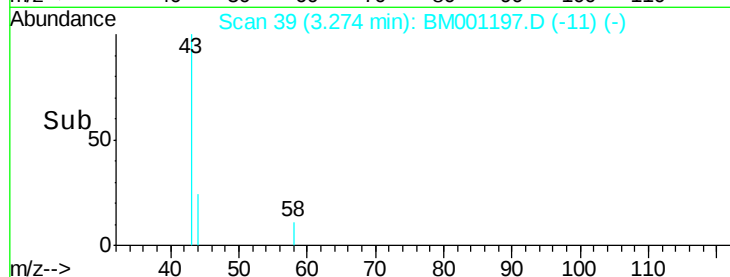
Ion 74.00 (73.70 to 74.70): BM001142.D (-41) (-)

Ion 44.00 (43.70 to 44.70): BM001142.D (-41) (-)

Time-->

3.27

3.20 3.30 3.40 3.50



#4

2-Fluorophenol

Concen: 4.41 ng

RT: 5.11 min Scan# 158

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

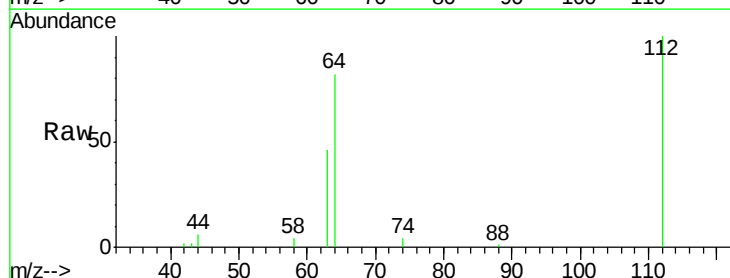
Tgt Ion: 112 Resp: 12661

Ion Ratio Lower Upper

112 100

64 64.8 52.6 79.0

63 35.8 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BM001142.D (-150) (-)

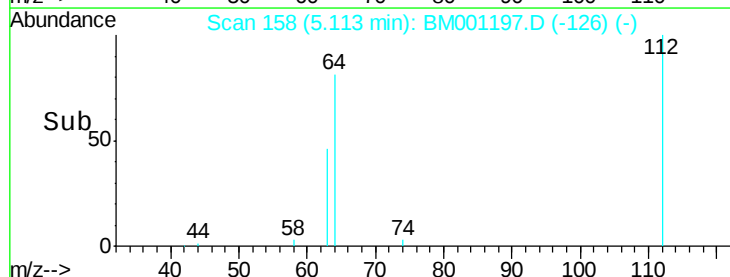
Ion 64.00 (63.70 to 64.70): BM001142.D (-150) (-)

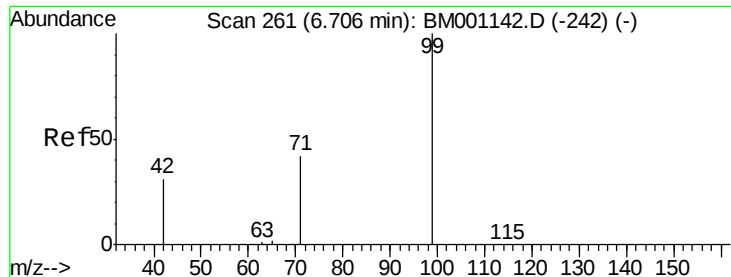
Ion 63.00 (62.70 to 63.70): BM001142.D (-150) (-)

Time-->

5.11

5.00 5.20 5.40





#5

Phenol-d6

Concen: 3.16 ng

RT: 6.72 min Scan# 262

Delta R.T. 0.02 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

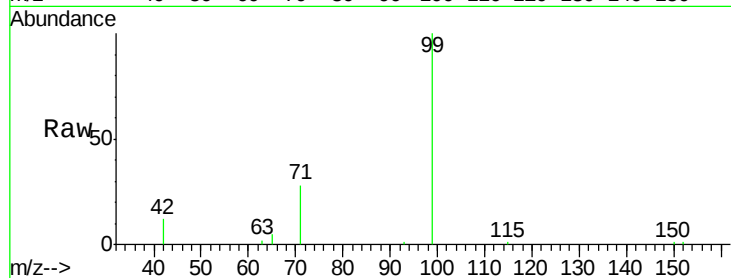
Tgt Ion: 99 Resp: 11197

Ion Ratio Lower Upper

99 100

42 24.3 20.9 31.3

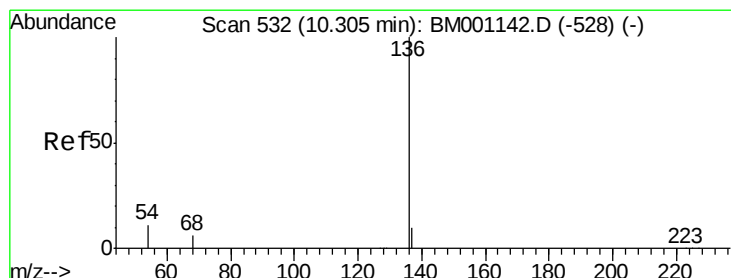
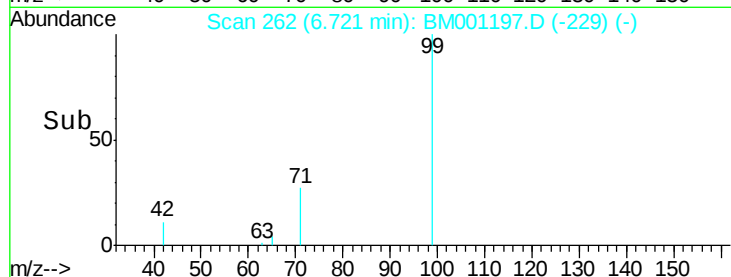
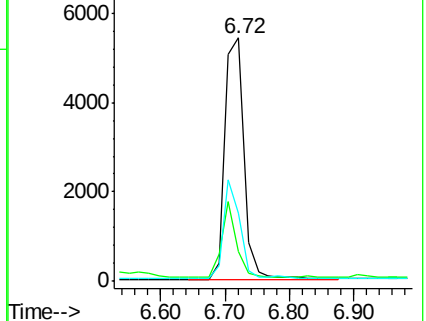
71 36.3 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BM001142.D (-242) (-)

Ion 42.00 (41.70 to 42.70): BM001142.D (-242) (-)

Ion 71.00 (70.70 to 71.70): BM001142.D (-242) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 532

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

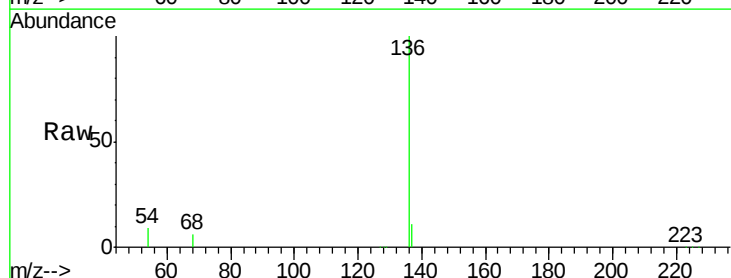
Tgt Ion: 136 Resp: 60845

Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

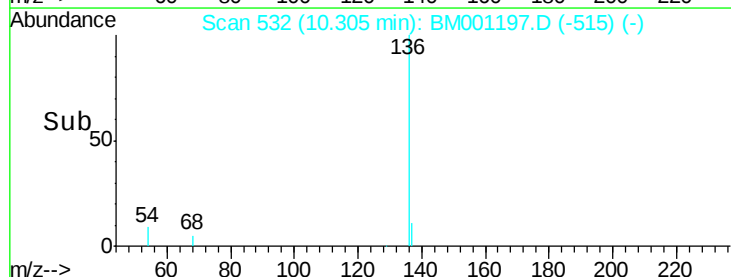
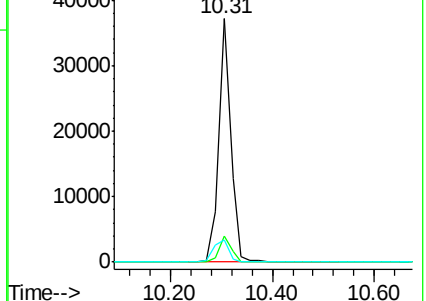
54 9.1 9.0 13.4

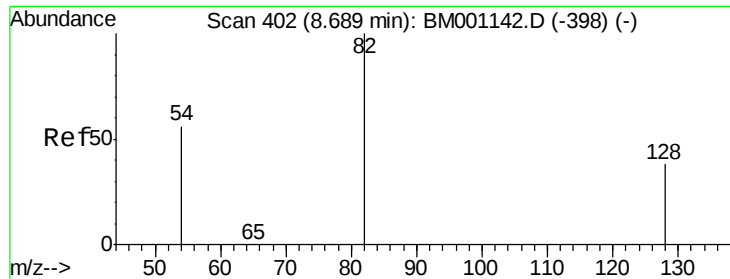


Abundance Ion 136.00 (135.70 to 136.70): BM001142.D (-528) (-)

Ion 137.00 (136.70 to 137.70): BM001142.D (-528) (-)

Ion 54.00 (53.70 to 54.70): BM001142.D (-528) (-)





#7

Nitrobenzene-d5

Concen: 7.27 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampled :

MW-104

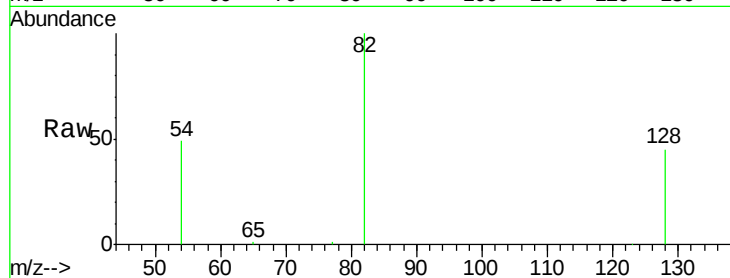
Tgt Ion: 82 Resp: 25046

Ion Ratio Lower Upper

82 100

128 44.5 31.9 47.9

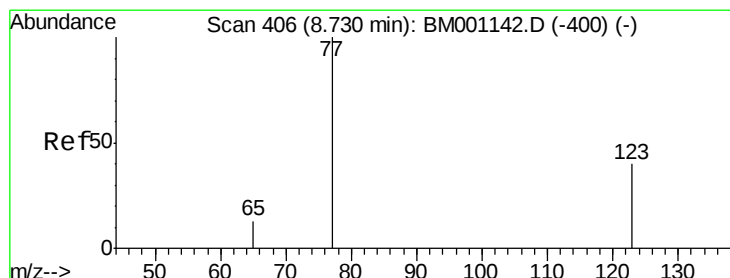
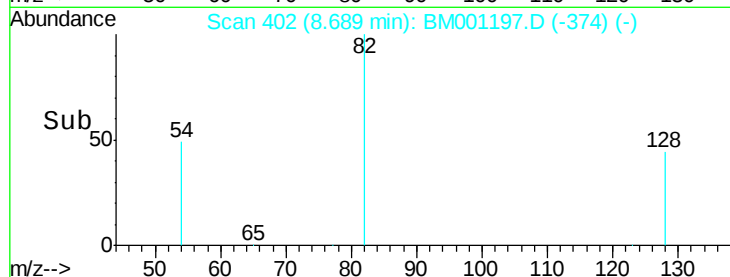
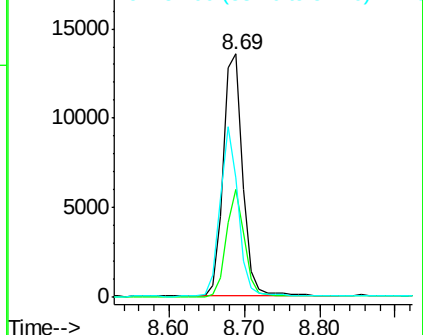
54 48.8 46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): BM001197.D (-374) (-)

Ion 128.00 (127.70 to 128.70): BM001197.D (-374) (-)

Ion 54.00 (53.70 to 54.70): BM001197.D (-374) (-)



#8

Nitrobenzene

Concen: 0.17 ng

RT: 8.68 min Scan# 401

Delta R.T. -0.04 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

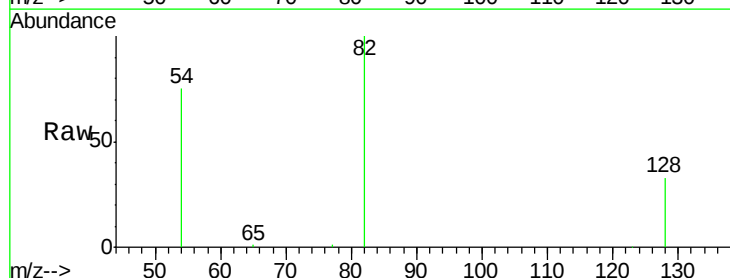
Tgt Ion: 77 Resp: 83

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.6#

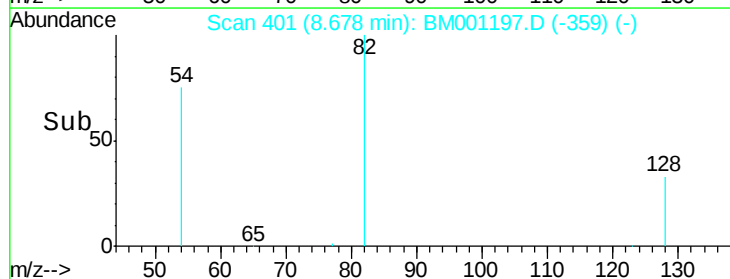
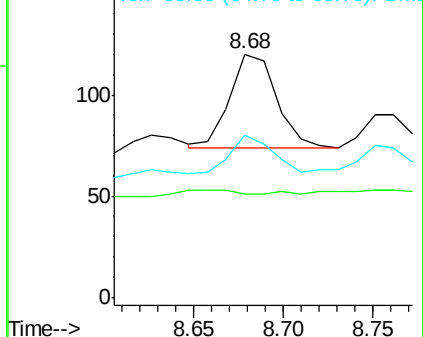
65 42.2 10.6 15.8#

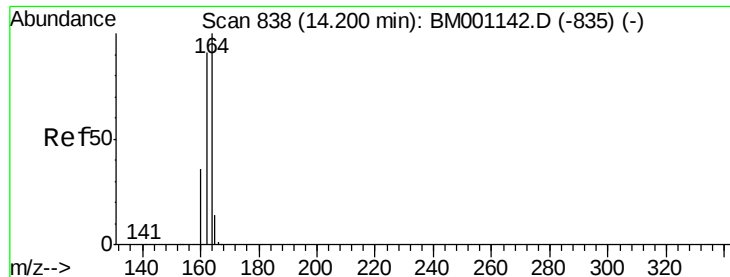


Abundance Ion 77.00 (76.70 to 77.70): BM001197.D (-359) (-)

Ion 123.00 (122.70 to 123.70): BM001197.D (-359) (-)

Ion 65.00 (64.70 to 65.70): BM001197.D (-359) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.18 min Scan# 837

Delta R.T. -0.02 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

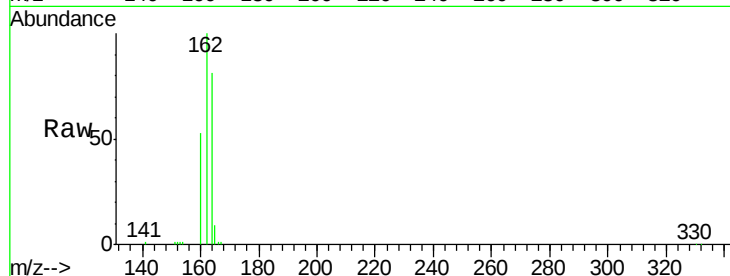
Tgt Ion:164 Resp: 34413

Ion Ratio Lower Upper

164 100

162 124.0 72.7 109.1#

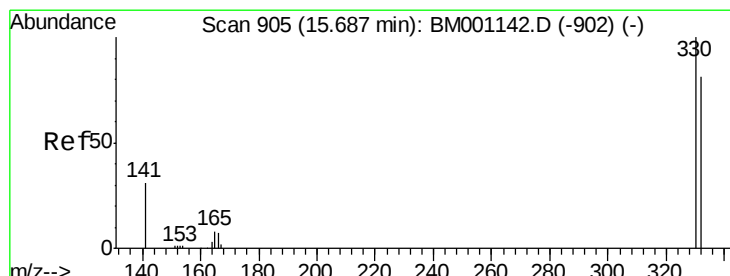
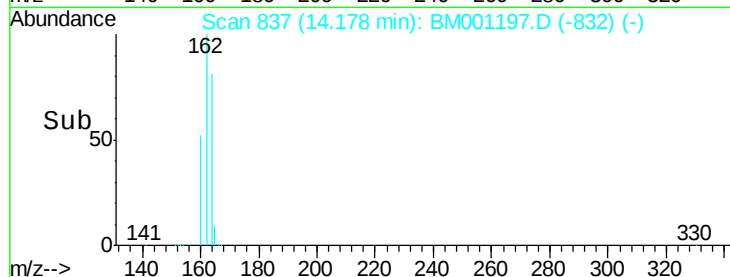
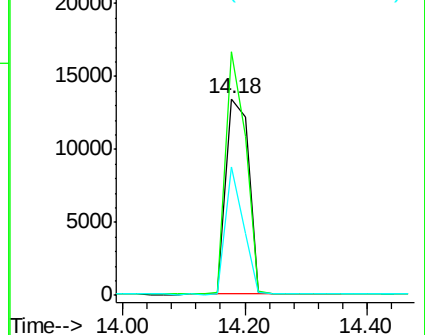
160 65.1 28.7 43.1#



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



#13

2,4,6-Tribromophenol

Concen: 15.66 ng

RT: 15.69 min Scan# 905

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

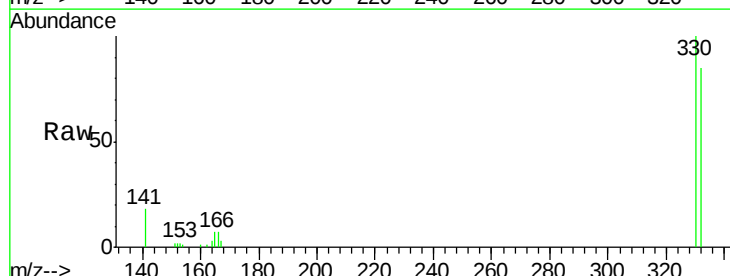
Tgt Ion:330 Resp: 26580

Ion Ratio Lower Upper

330 100

332 92.6 74.5 111.7

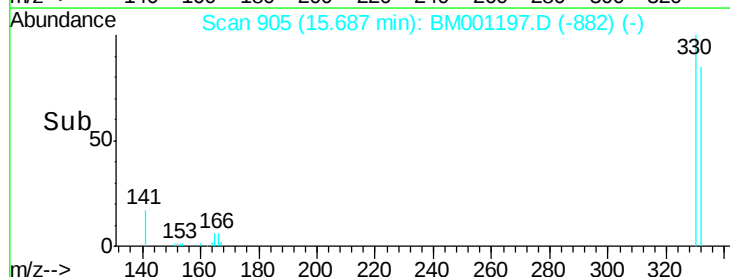
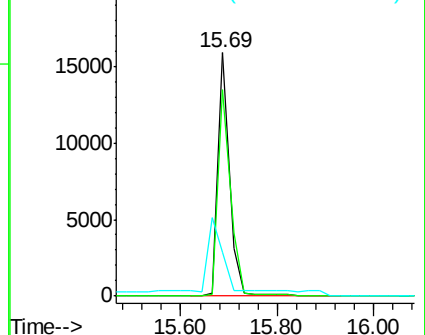
141 0.0 21.0 31.4#

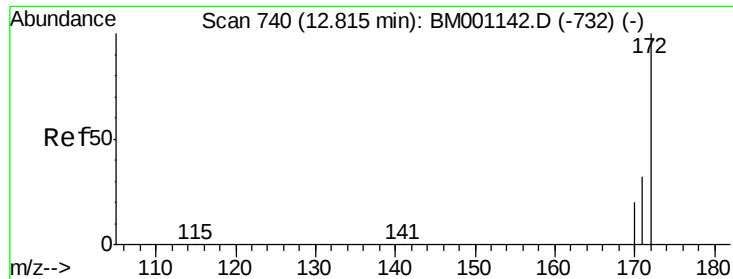


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

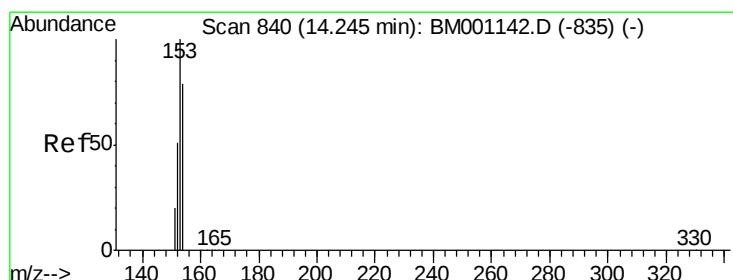
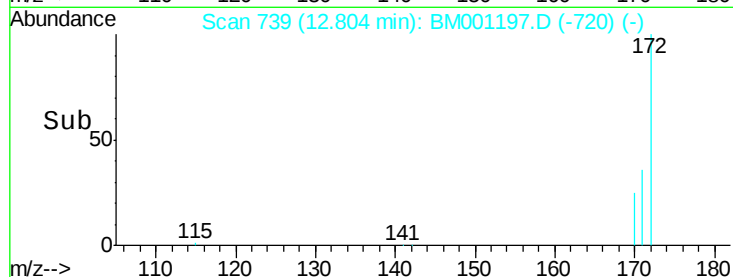
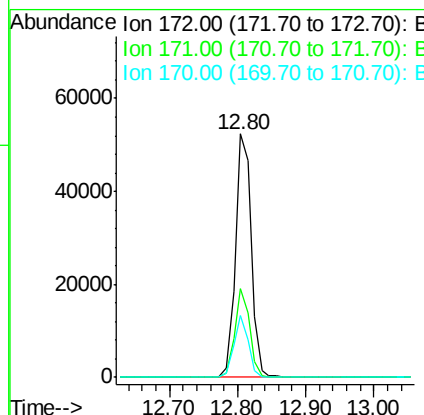
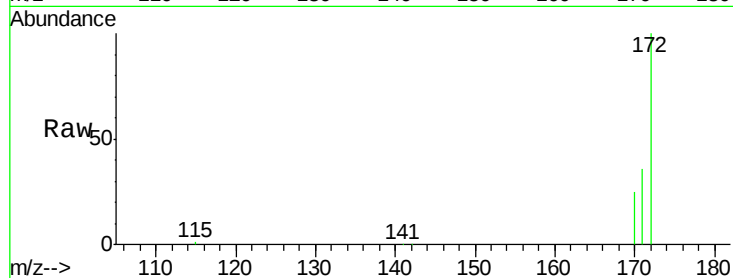




#14
2-Fluorobiphenyl
Concen: 7.42 ng
RT: 12.80 min Scan# 739
Delta R.T. -0.00 min
Lab File: BM001197.D
Acq: 04 May 2015 23:13

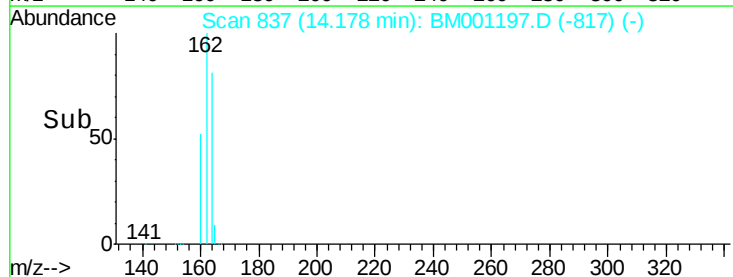
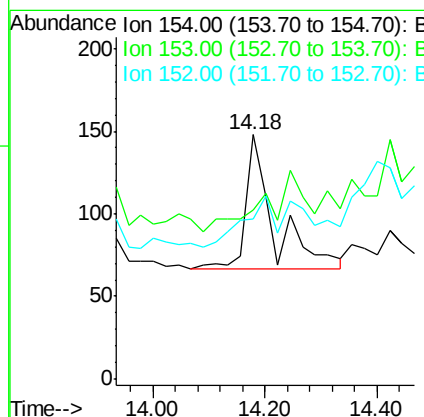
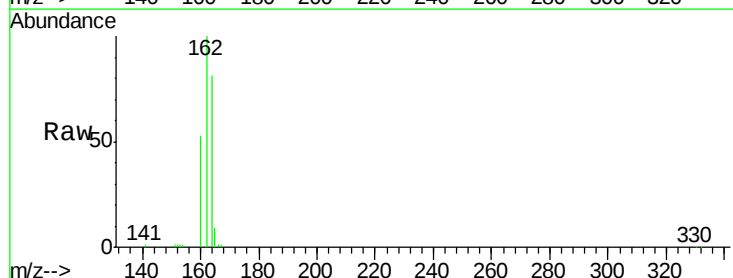
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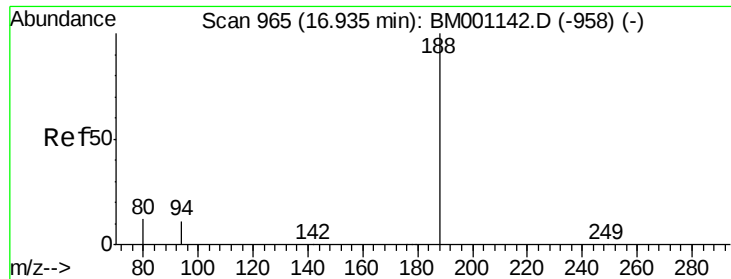
Tgt Ion:172 Resp: 84414
Ion Ratio Lower Upper
172 100
171 36.3 25.8 38.6
170 25.4 16.1 24.1#



#16
Acenaphthene
Concen: 0.03 ng
RT: 14.18 min Scan# 837
Delta R.T. -0.07 min
Lab File: BM001197.D
Acq: 04 May 2015 23:13

Tgt Ion:154 Resp: 276
Ion Ratio Lower Upper
154 100
153 0.0 90.6 136.0#
152 0.0 45.0 67.4#

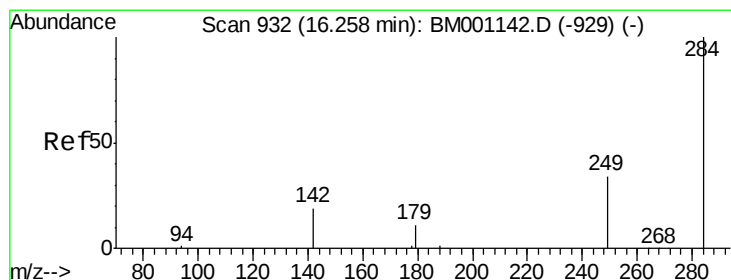
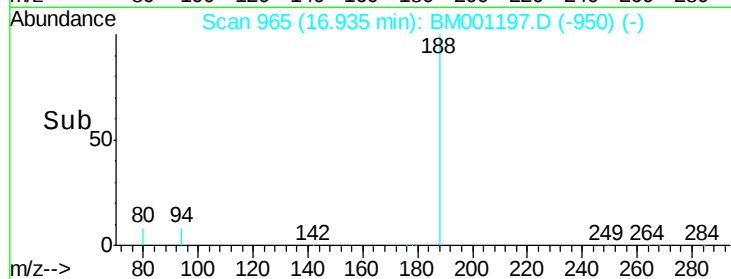
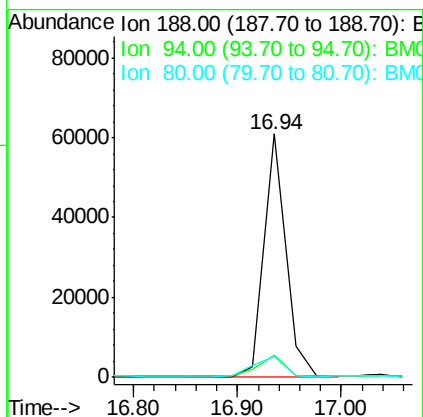
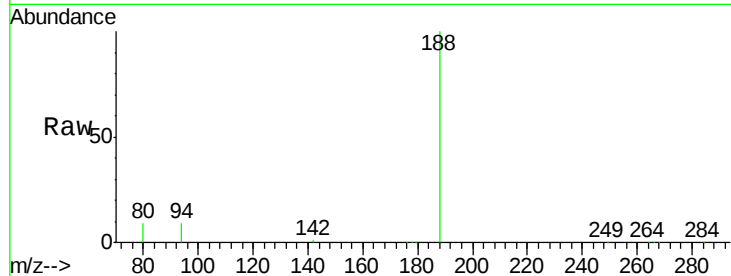




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 965
Delta R.T. -0.00 min
Lab File: BM001197.D
Acq: 04 May 2015 23:13

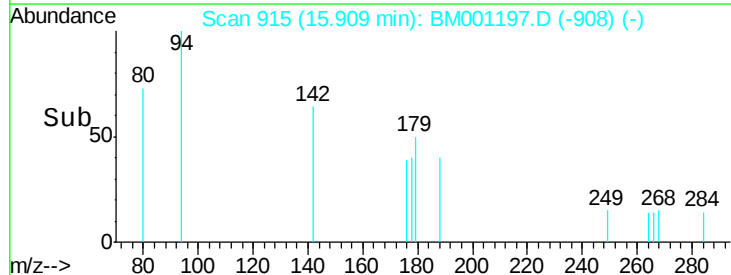
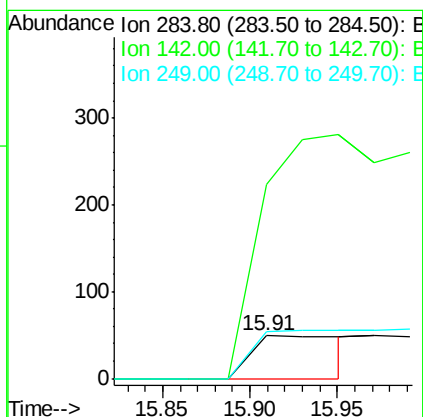
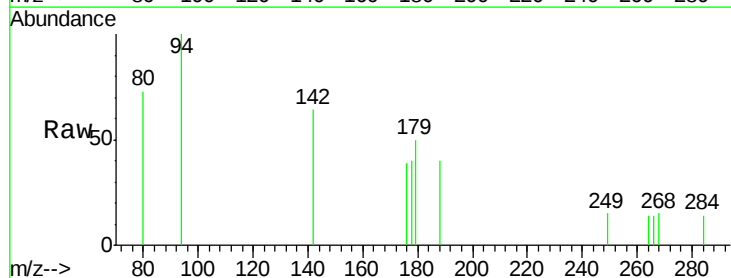
Instrument :
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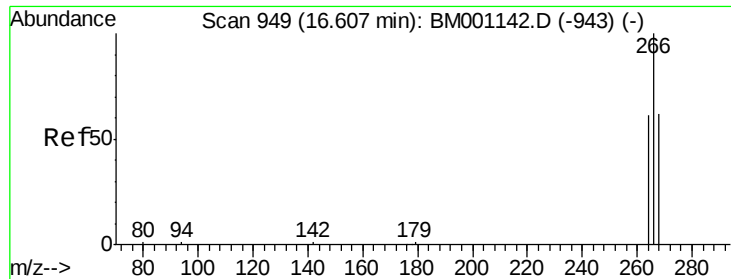
Tgt Ion:188 Resp: 87818
Ion Ratio Lower Upper
188 100
94 8.9 9.3 13.9#
80 8.7 9.8 14.6#



#19
Hexachlorobenzene
Concen: 0.04 ng
RT: 15.91 min Scan# 915
Delta R.T. -0.35 min
Lab File: BM001197.D
Acq: 04 May 2015 23:13

Tgt Ion:284 Resp: 186
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 26.5 39.7#

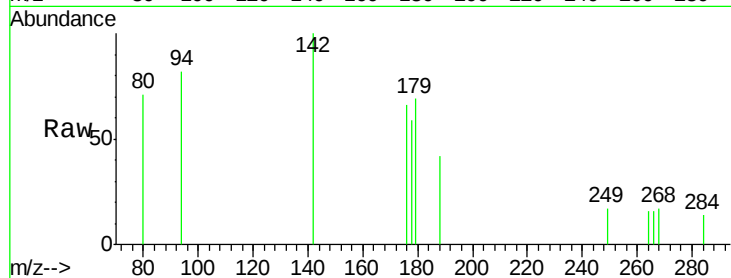




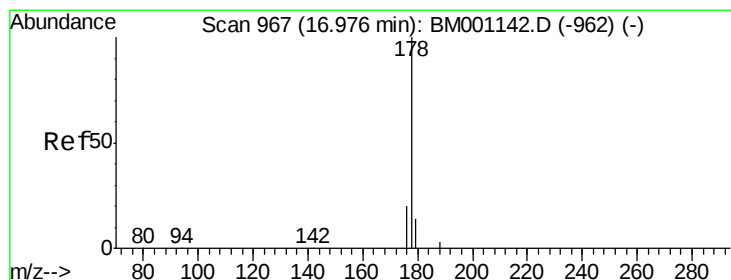
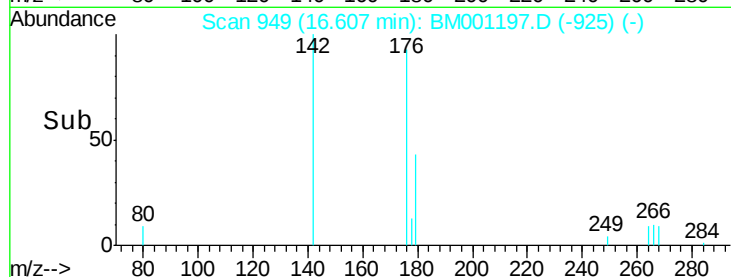
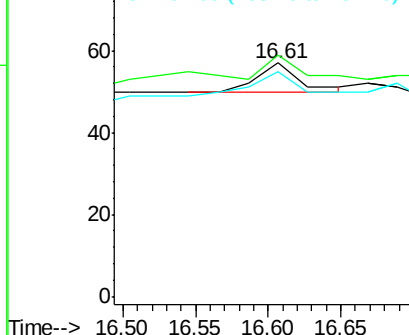
#20
 Pentachlorophenol
 Concen: 0.38 ng
 RT: 16.61 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BM001197.D
 Acq: 04 May 2015 23:13

Instrument :
 BNA_M
 ClientSampleId :
 MW-104

Tgt Ion: 266 Resp: 14
 Ion Ratio Lower Upper
 266 100
 268 103.5 52.6 79.0#
 264 96.5 51.0 76.4#

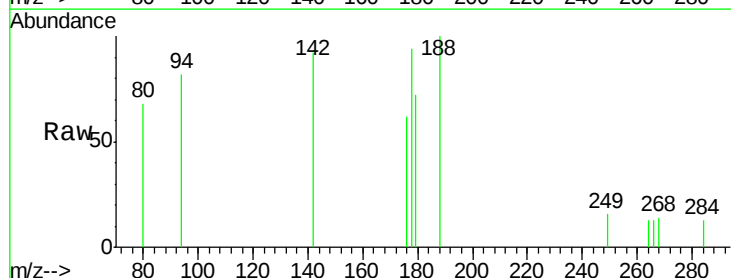


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

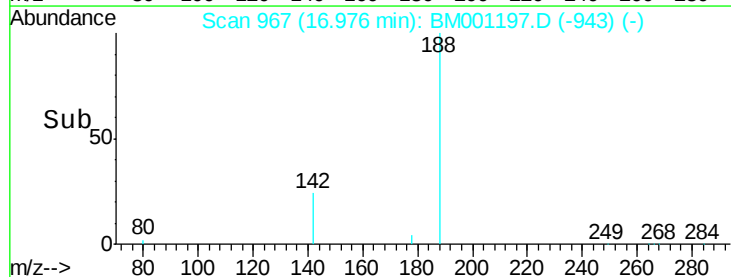
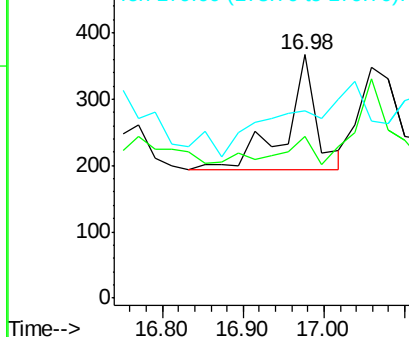


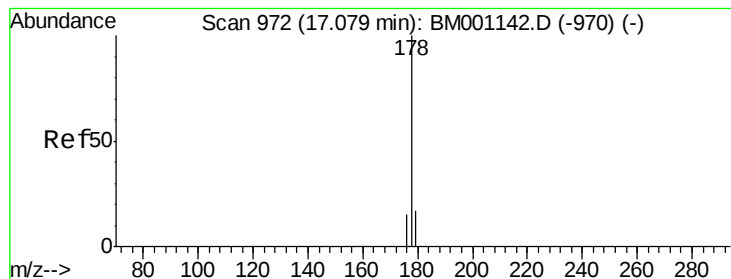
#21
 Phenanthrene
 Concen: 0.02 ng
 RT: 16.98 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: BM001197.D
 Acq: 04 May 2015 23:13

Tgt Ion: 178 Resp: 474
 Ion Ratio Lower Upper
 178 100
 176 26.2 15.5 23.3#
 179 0.0 12.0 18.0#



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





#22

Anthracene

Concen: 0.02 ng

RT: 17.06 min Scan# 971

Delta R.T. -0.00 min

Lab File: BM001197.D

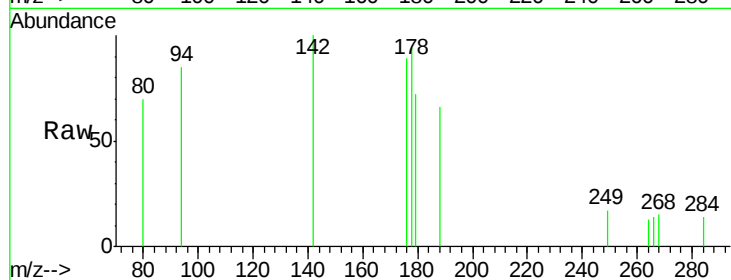
Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104



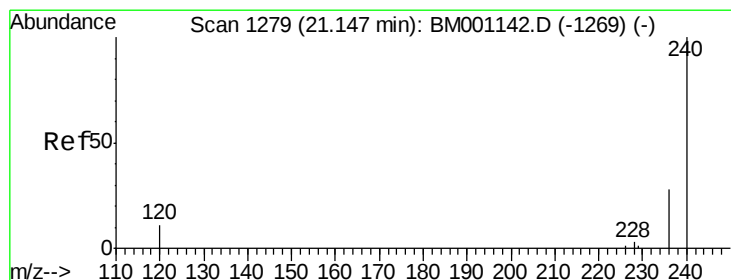
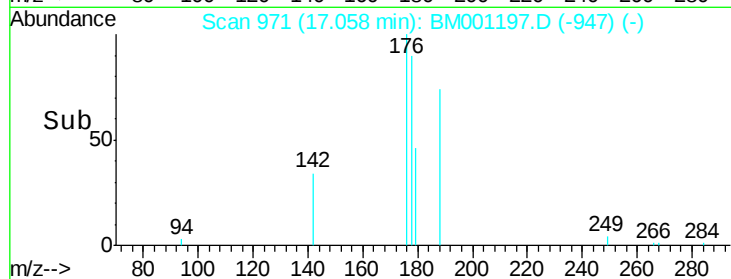
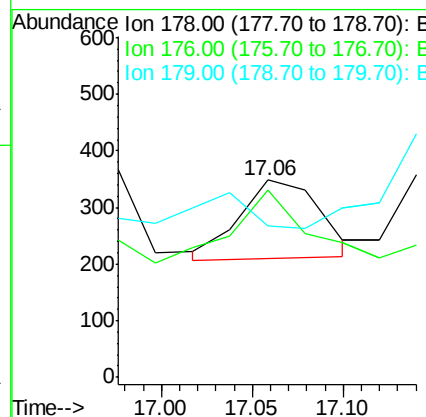
Tgt Ion:178 Resp: 421

Ion Ratio Lower Upper

178 100

176 117.8 14.3 21.5#

179 0.0 12.2 18.2#



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.15 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

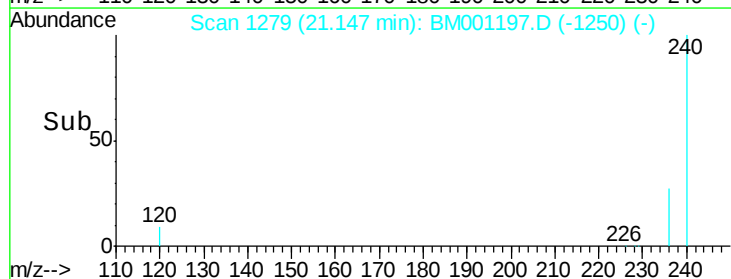
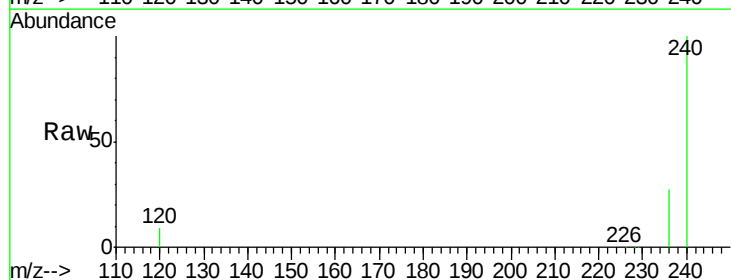
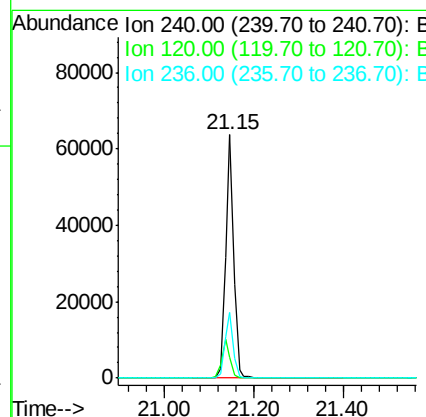
Tgt Ion:240 Resp: 78846

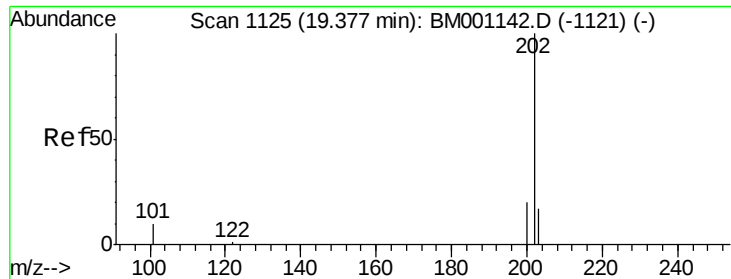
Ion Ratio Lower Upper

240 100

120 8.8 9.2 13.8#

236 26.8 22.4 33.6

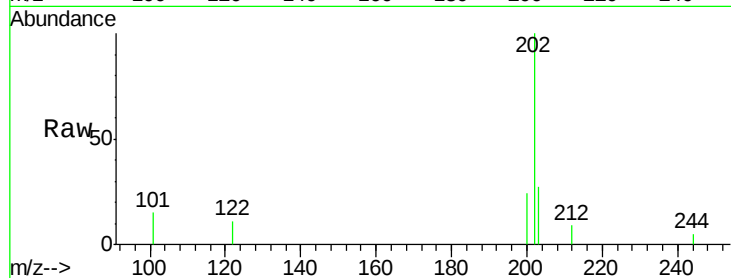




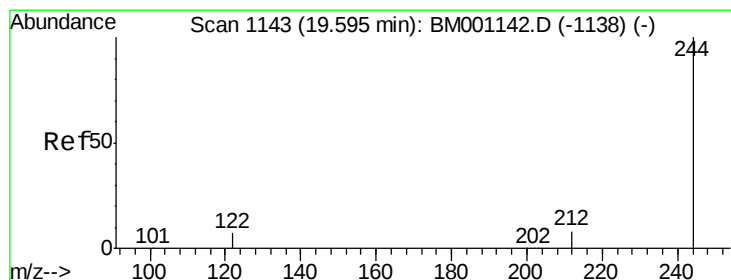
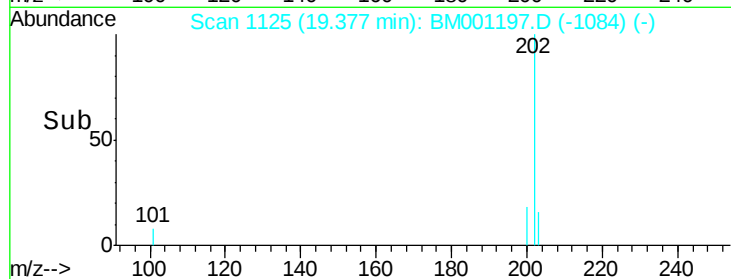
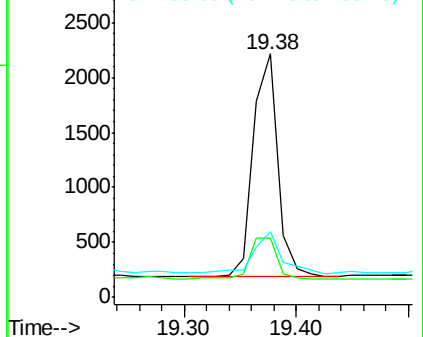
#25
 Pyrene
 Concen: 0.13 ng
 RT: 19.38 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BM001197.D
 Acq: 04 May 2015 23:13

Instrument :
 BNA_M
 ClientSampleId :
 MW-104

Tgt Ion: 202 Resp: 3110
 Ion Ratio Lower Upper
 202 100
 200 22.0 16.4 24.6
 203 21.7 13.8 20.6#

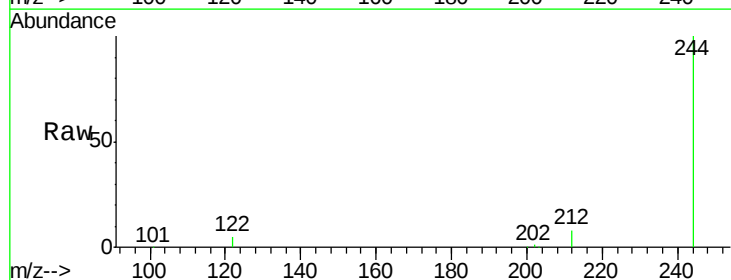


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

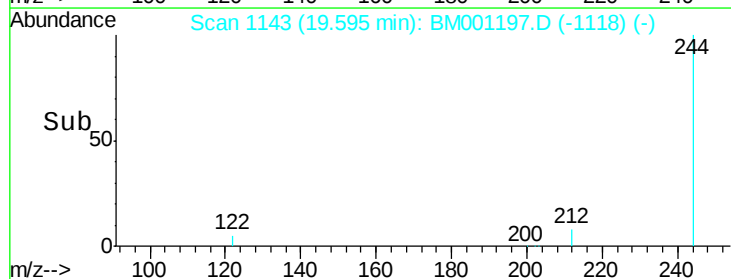
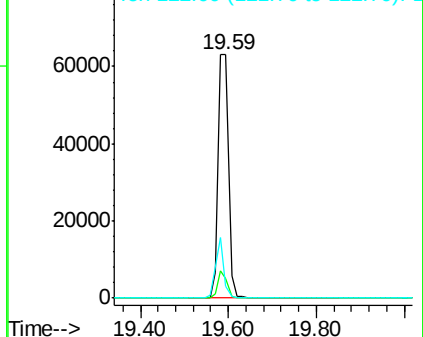


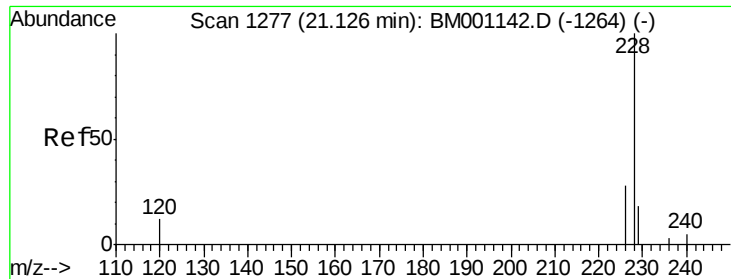
#26
 Terphenyl-d14
 Concen: 9.35 ng
 RT: 19.59 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BM001197.D
 Acq: 04 May 2015 23:13

Tgt Ion: 244 Resp: 101600
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.1 10.7
 122 5.1 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: 21.14 min Scan# 1278

Delta R.T. 0.01 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

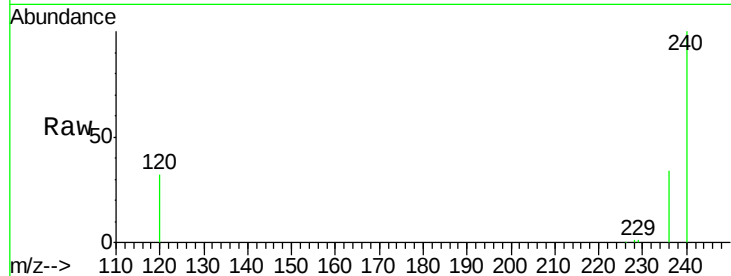
Tgt Ion:228 Resp: 652

Ion Ratio Lower Upper

228 100

226 41.6 22.8 34.2#

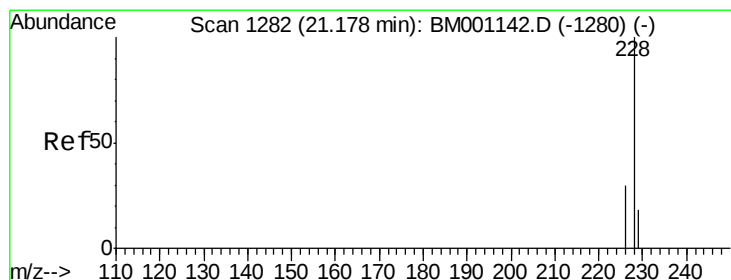
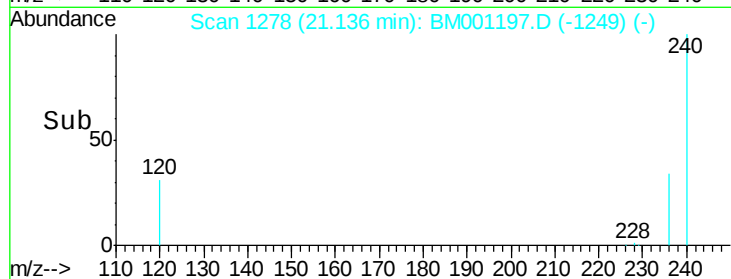
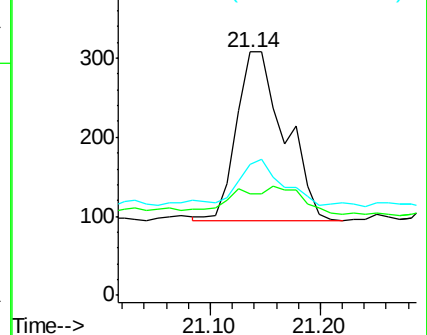
229 53.6 14.4 21.6#



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



#28

Chrysene

Concen: 0.03 ng

RT: 21.14 min Scan# 1278

Delta R.T. -0.04 min

Lab File: BM001197.D

Acq: 04 May 2015 23:13

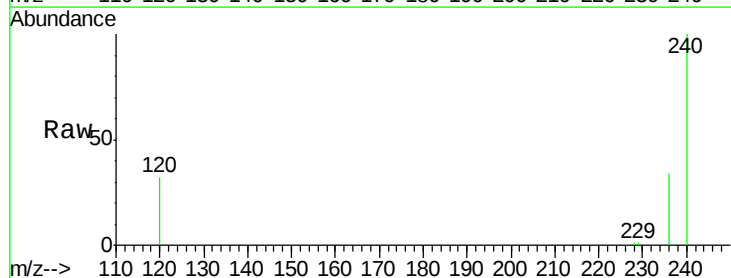
Tgt Ion:228 Resp: 664

Ion Ratio Lower Upper

228 100

226 41.6 24.4 36.6#

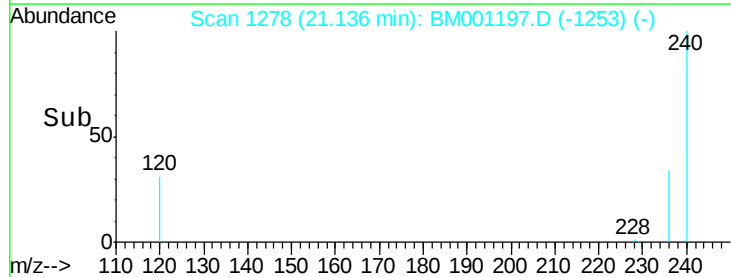
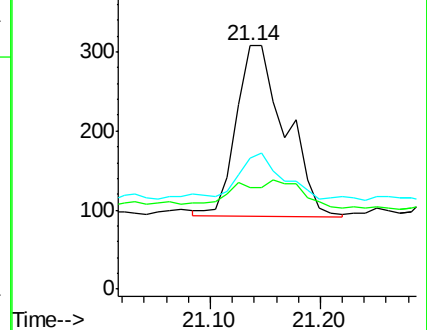
229 53.6 14.3 21.5#

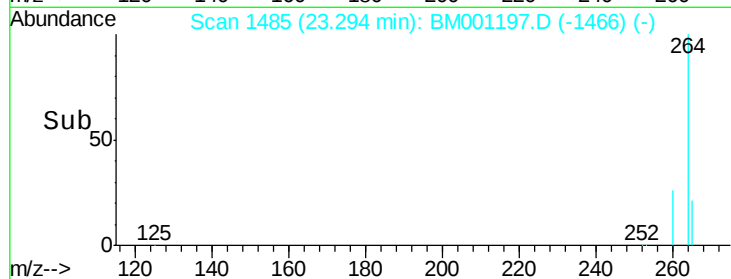
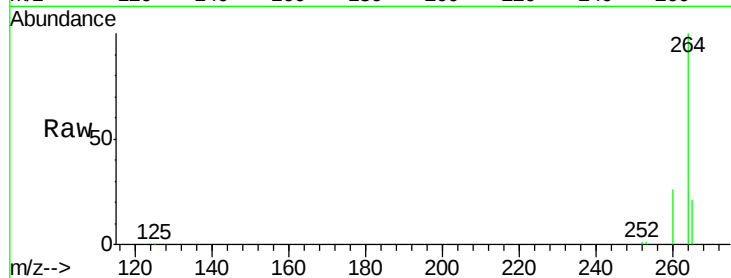
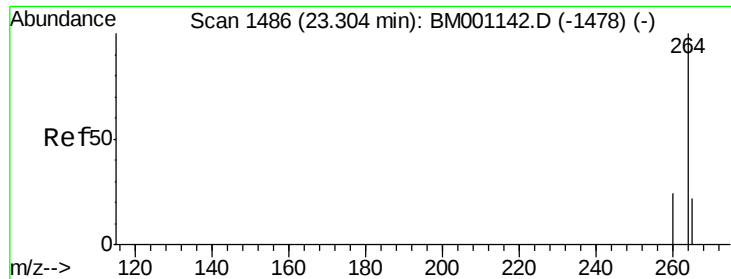


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM001197.D

Acq: 04 May 2015 23:13

Instrument :

BNA_M

ClientSampleId :

MW-104

Tgt Ion: 264 Resp: 69017

Ion Ratio Lower Upper

264 100

260 25.6 18.9 28.3

265 21.4 18.1 27.1

