

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001158.D
 Acq On : 02 May 2015 08:41
 Operator : TP/IZ
 Sample : G2011-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4

Quant Time: May 04 17:20:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 16:48:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	18458	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	75150	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	41793	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	93183	5.00	ng	0.00
24) Chrysene-d12	21.15	240	61977	5.00	ng	0.00
30) Perylene-d12	23.29	264	47246	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	15112	4.21	ng	-0.01
5) Phenol-d6	6.71	99	12279	2.78	ng	0.00
7) Nitrobenzene-d5	8.69	82	35972	8.45	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	24795	12.06	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	109468	7.92	ng	0.00
26) Terphenyl-d14	19.59	244	86029	10.07	ng	0.00

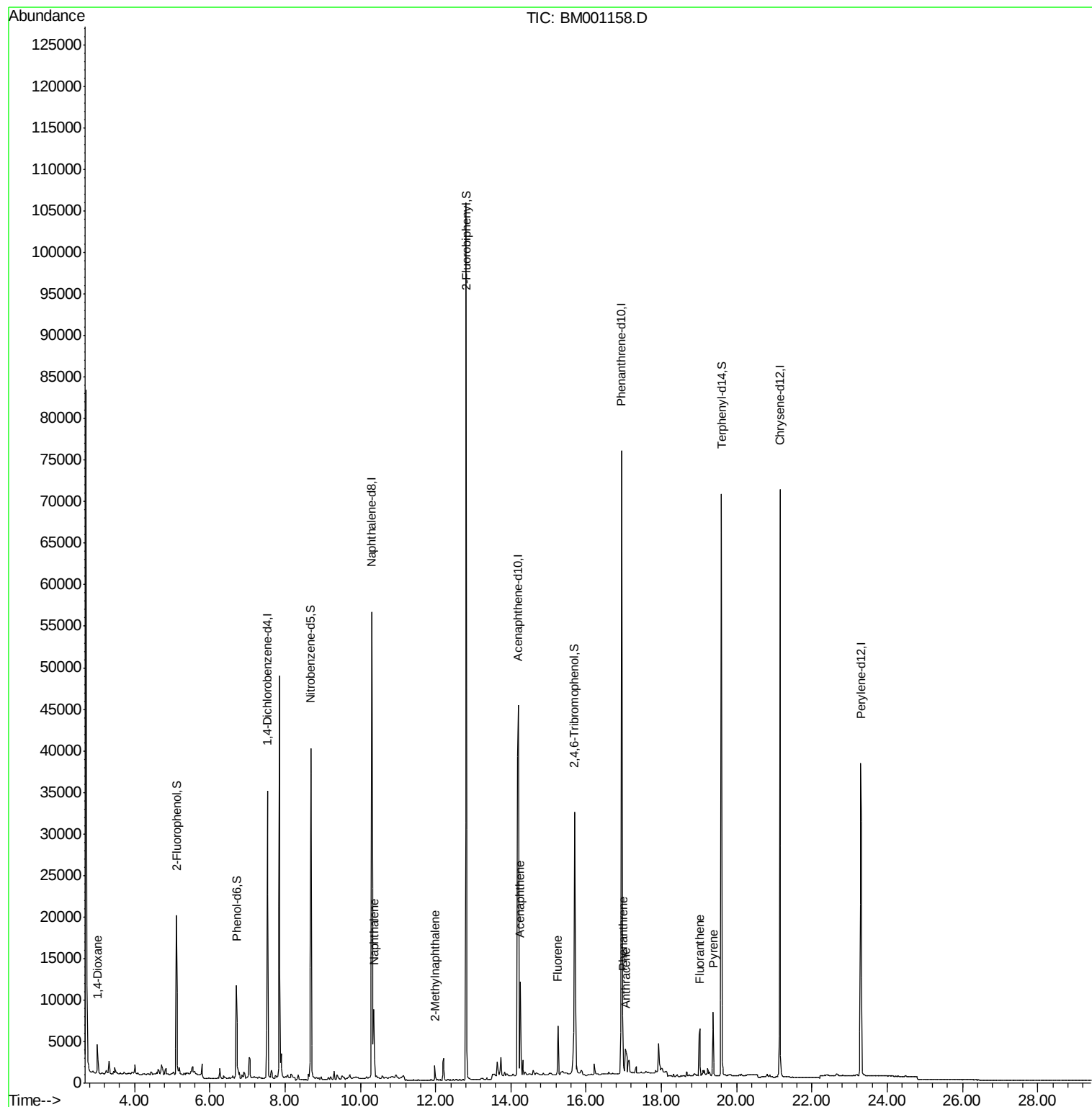
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	2437	1.23	ng	# 60
9) Naphthalene	10.36	128	10865	0.66	ng	98
11) 2-Methylnaphthalene	11.98	142	1274	0.11	ng	# 80
16) Acenaphthene	14.24	154	6648	0.53	ng	96
17) Fluorene	15.24	166	4007	0.27	ng	# 98
21) Phenanthrene	16.98	178	7289	0.30	ng	# 84
22) Anthracene	17.06	178	5394	0.27	ng	# 80
23) Fluoranthene	19.01	202	5916	0.24	ng	97
25) Pyrene	19.38	202	7376	0.38	ng	97

(#) = 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: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

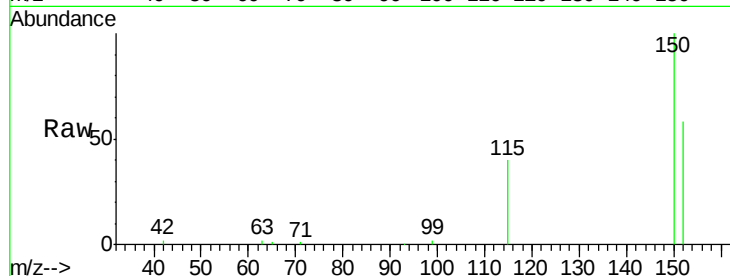
Tot Ion:152 Resp: 18458

Ion Ratio Lower Upper

152 100

150 171.5 140.1 210.1

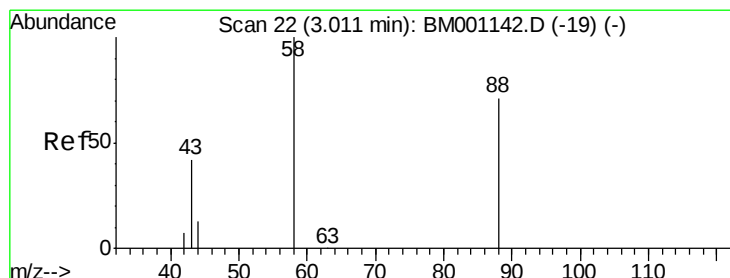
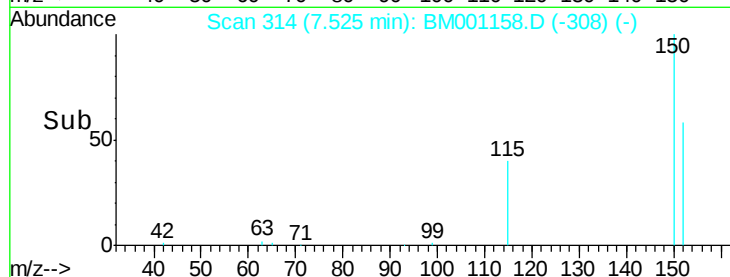
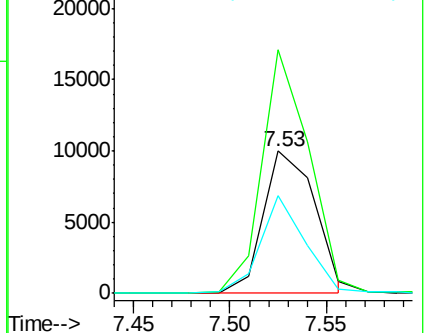
115 68.7 57.8 86.6



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



#2

1,4-Dioxane

Concen: 1.23 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

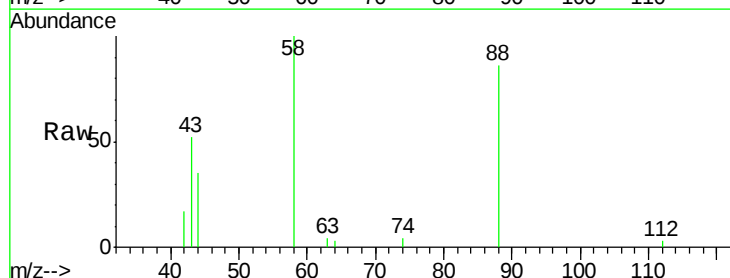
Tgt Ion: 88 Resp: 2437

Ion Ratio Lower Upper

88 100

58 83.8 48.2 72.2#

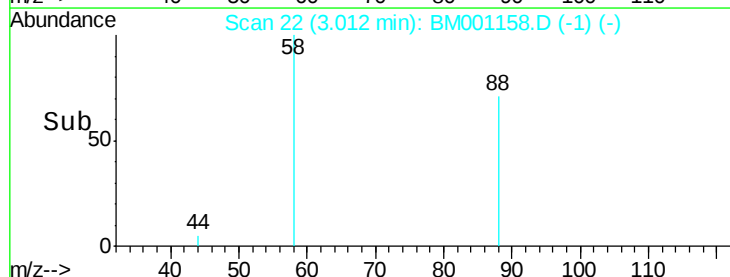
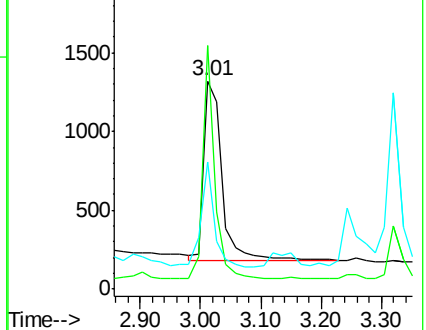
43 0.0 24.8 37.2#

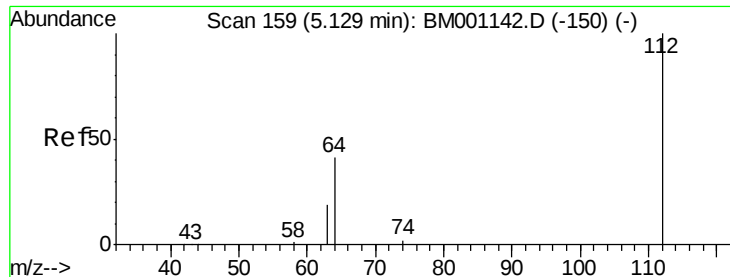


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

2-Fluorophenol

Concen: 4.21 ng

RT: 5.11 min Scan# 158

Delta R.T. -0.01 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

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ClientSampleId :

MW-4

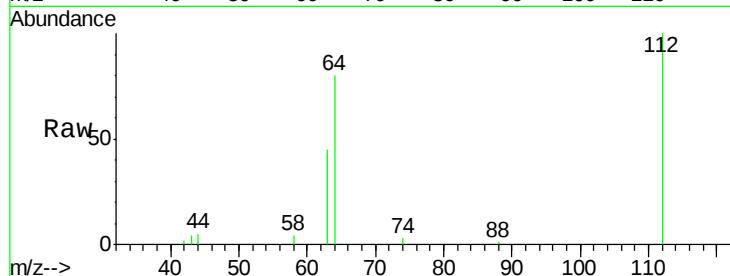
Tot Ion:112 Resp: 15112

Ion Ratio Lower Upper

112 100

64 66.1 52.6 79.0

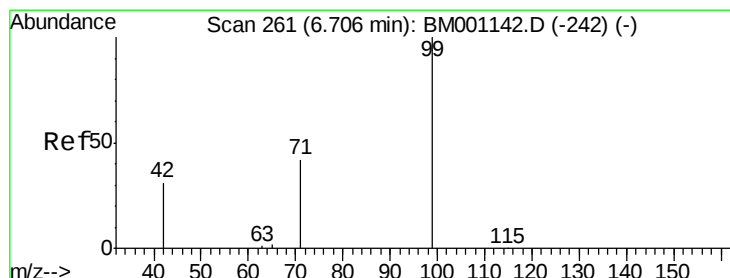
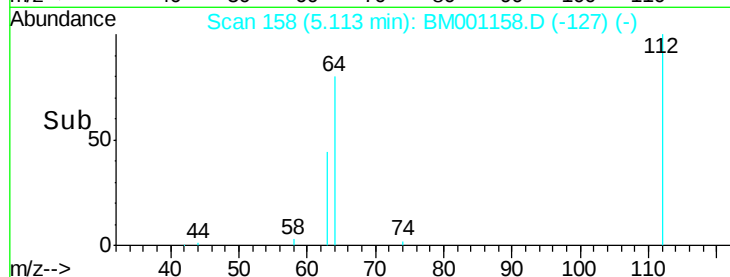
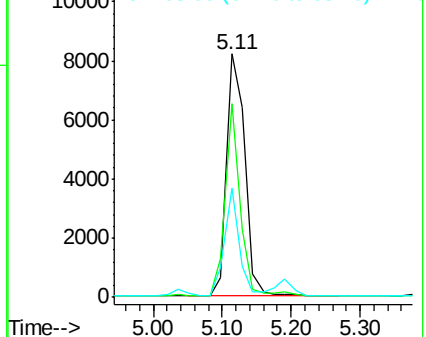
63 36.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#5

Phenol-d6

Concen: 2.78 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

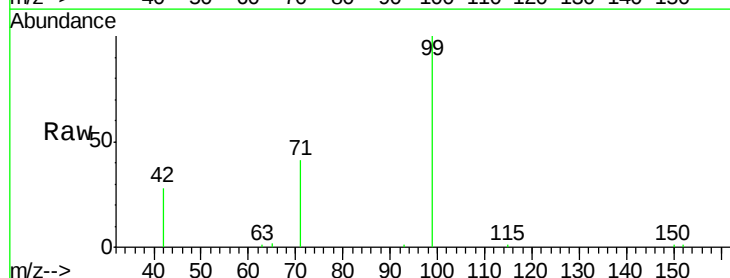
Tgt Ion: 99 Resp: 12279

Ion Ratio Lower Upper

99 100

42 24.4 20.9 31.3

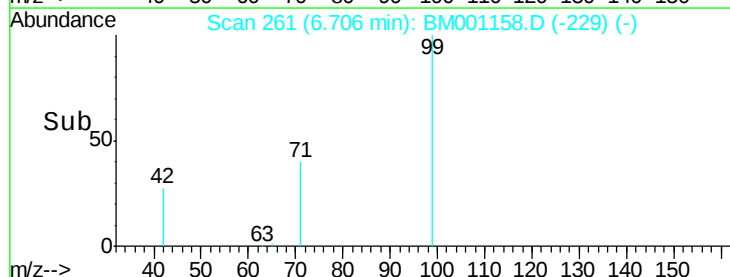
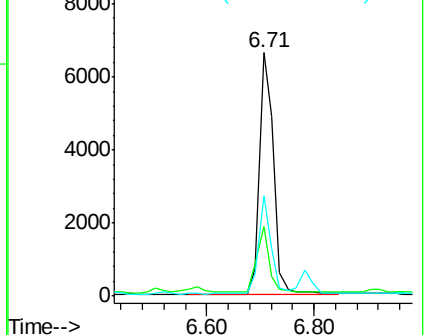
71 36.1 28.5 42.7

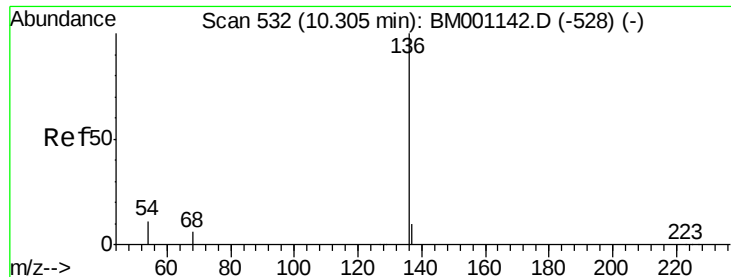


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 532

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

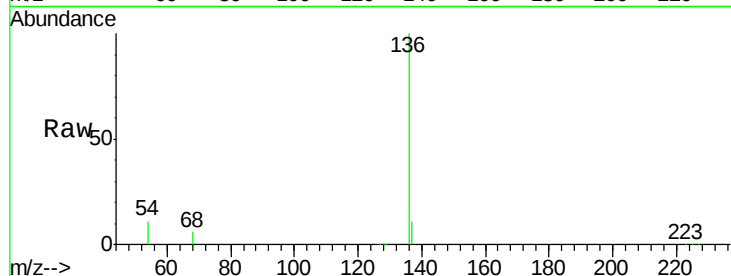
Tot Ion:136 Resp: 75150

Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

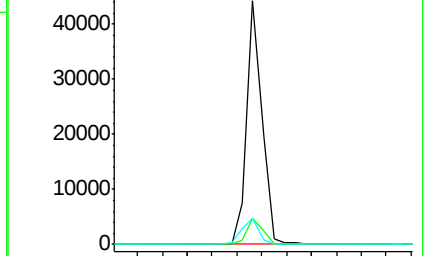
54 10.6 9.0 13.4



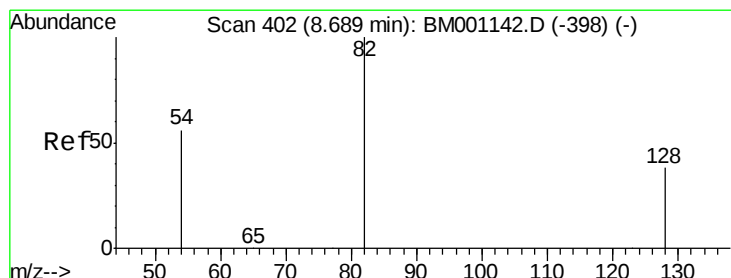
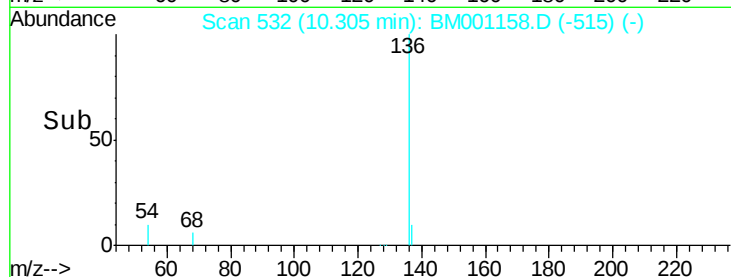
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



#7

Nitrobenzene-d5

Concen: 8.45 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

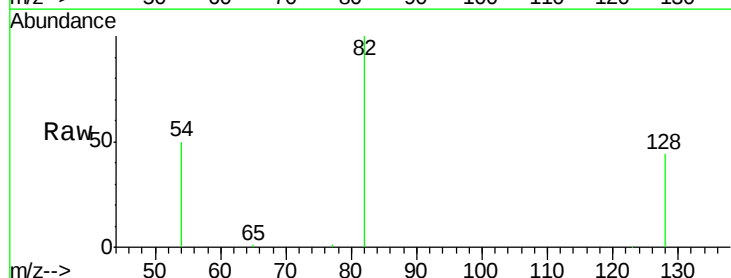
Tgt Ion: 82 Resp: 35972

Ion Ratio Lower Upper

82 100

128 44.0 31.9 47.9

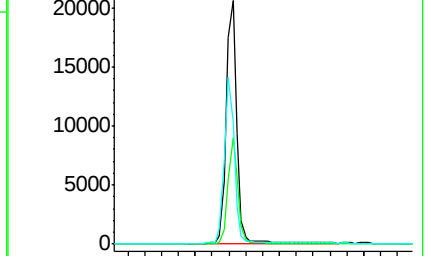
54 50.1 46.2 69.2



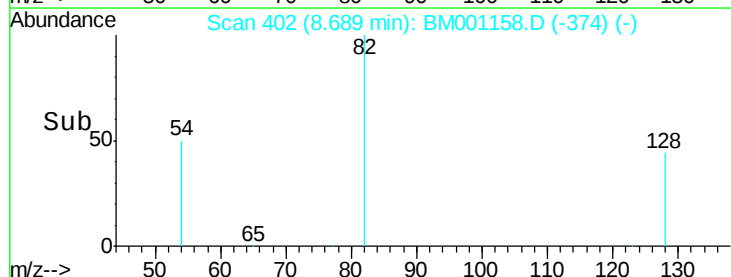
Abundance Ion 82.00 (81.70 to 82.70): BM

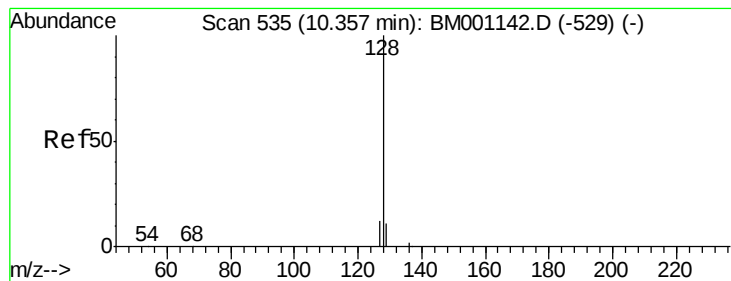
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#9

Naphthalene

Concen: 0.66 ng

RT: 10.36 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

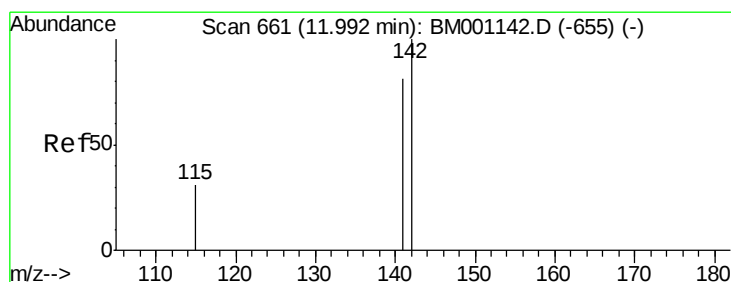
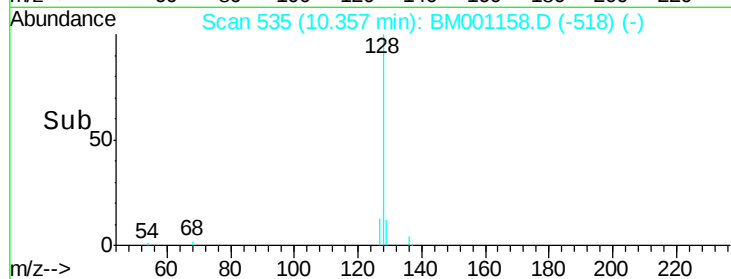
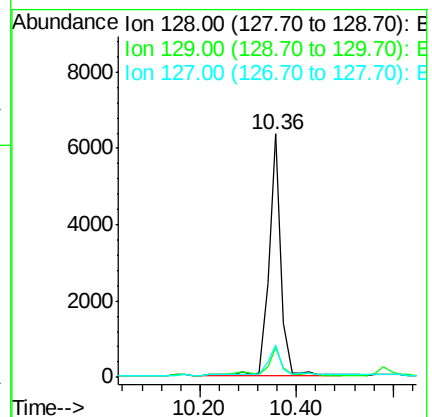
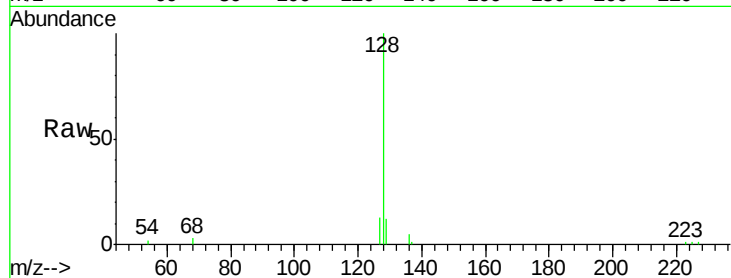
Tot Ion:128 Resp: 10865

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

127 13.4 10.0 15.0



#11

2-Methylnaphthalene

Concen: 0.11 ng

RT: 11.98 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

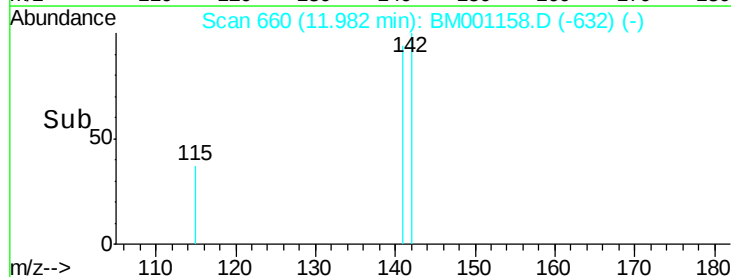
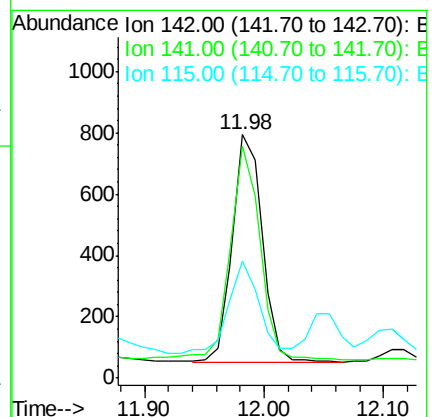
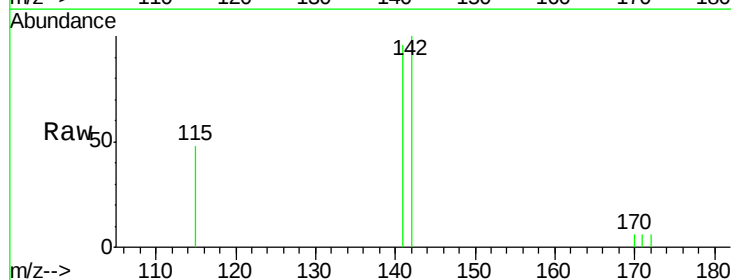
Tgt Ion:142 Resp: 1274

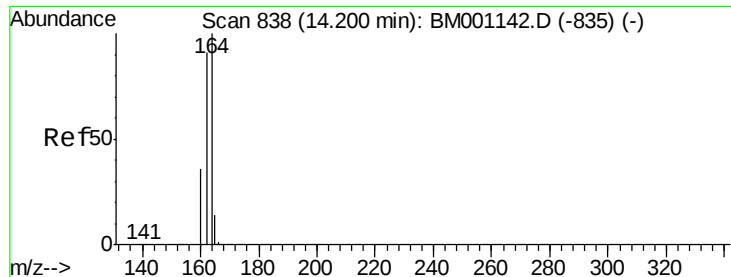
Ion Ratio Lower Upper

142 100

141 95.6 65.1 97.7

115 48.0 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: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

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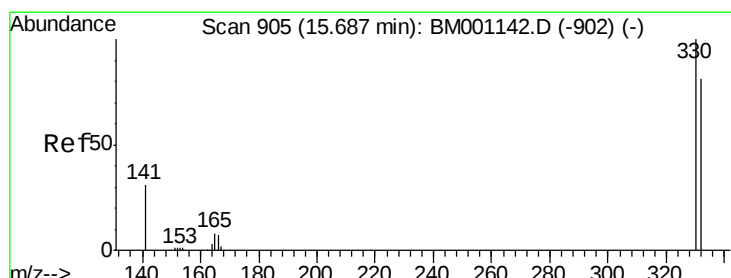
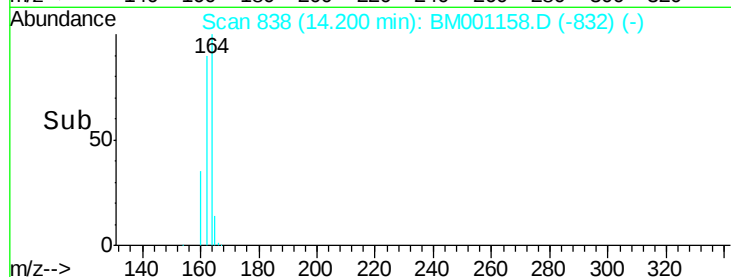
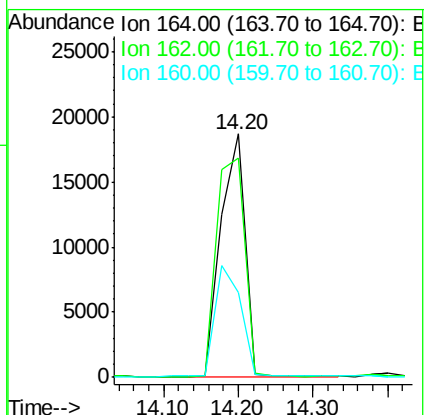
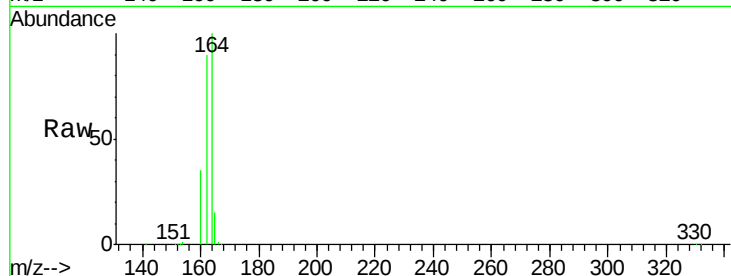
Tot Ion:164 Resp: 41793

Ion Ratio Lower Upper

164 100

162 89.9 72.7 109.1

160 34.7 28.7 43.1



#13

2,4,6-Tribromophenol

Concen: 12.06 ng

RT: 15.69 min Scan# 905

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

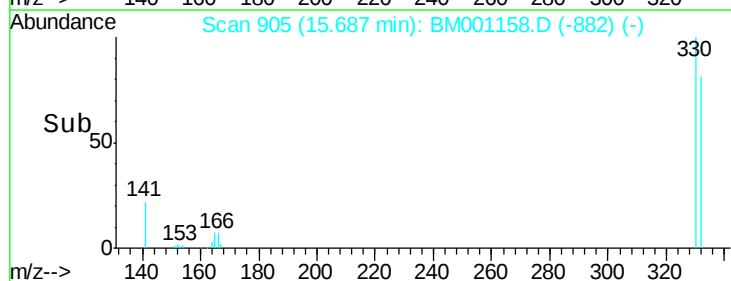
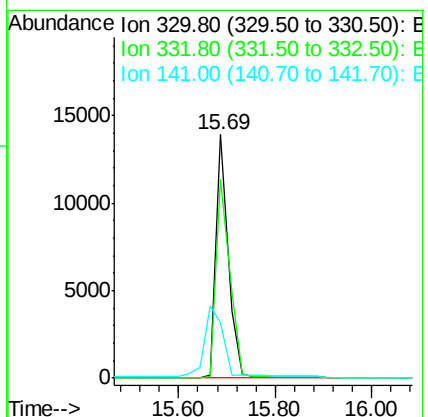
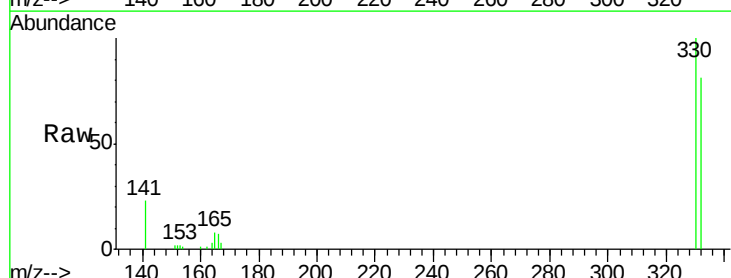
Tgt Ion:330 Resp: 24795

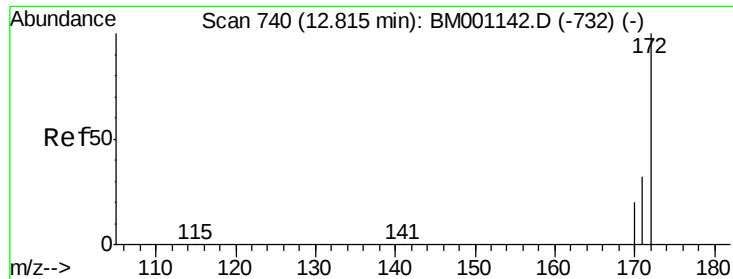
Ion Ratio Lower Upper

330 100

332 92.2 74.5 111.7

141 0.0 21.0 31.4#

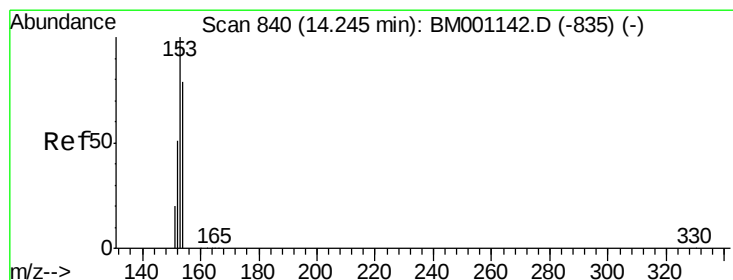
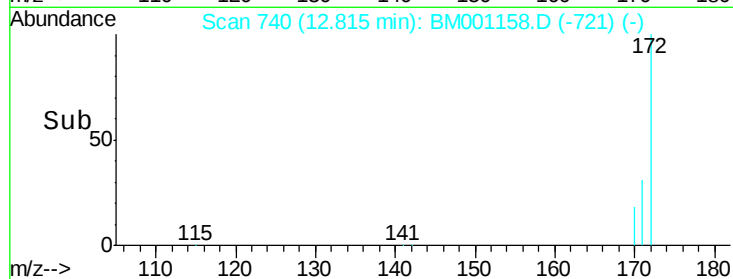
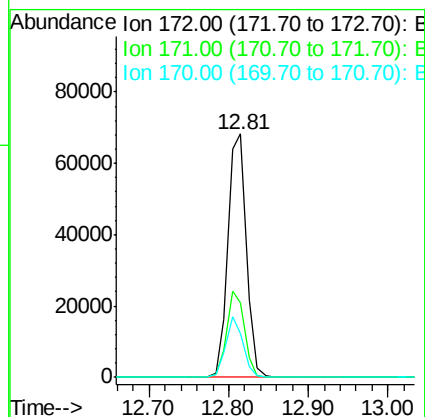
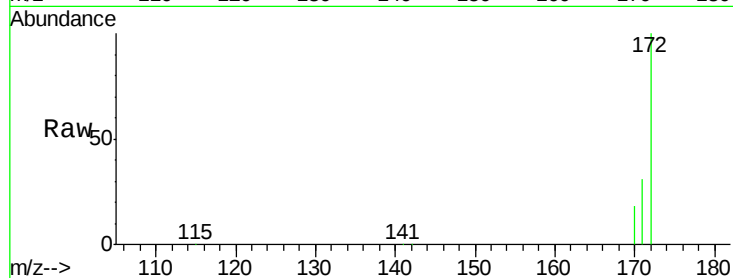




#14
2-Fluorobiphenyl
Concen: 7.92 ng
RT: 12.81 min Scan# 740
Delta R.T. 0.00 min
Lab File: BM001158.D
Acq: 02 May 2015 08:41

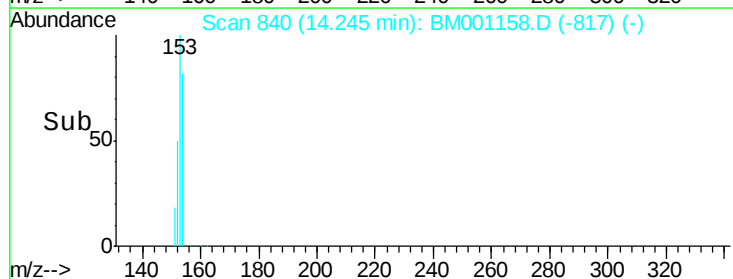
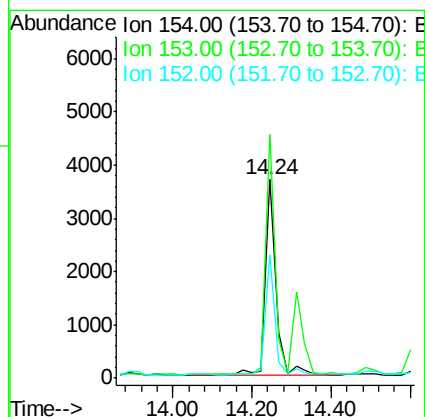
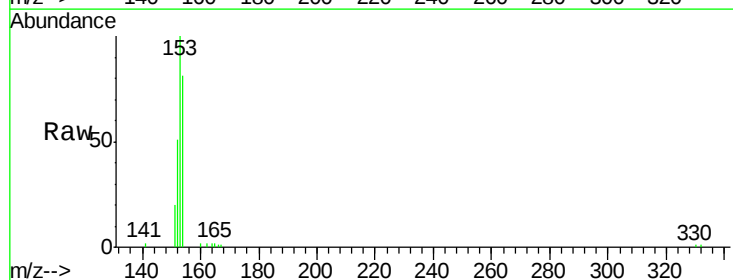
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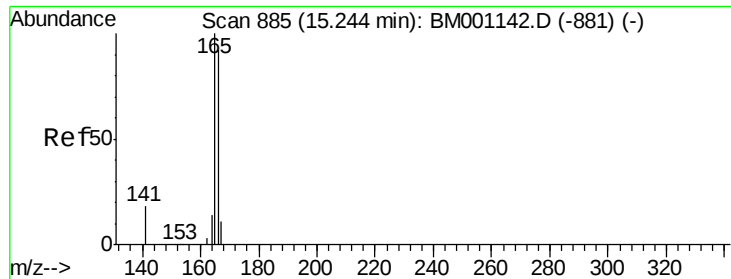
Tot Ion:172 Resp: 109468
Ion Ratio Lower Upper
172 100
171 30.6 25.8 38.6
170 18.1 16.1 24.1



#16
Acenaphthene
Concen: 0.53 ng
RT: 14.24 min Scan# 840
Delta R.T. 0.00 min
Lab File: BM001158.D
Acq: 02 May 2015 08:41

Tgt Ion:154 Resp: 6648
Ion Ratio Lower Upper
154 100
153 107.1 90.6 136.0
152 56.6 45.0 67.4

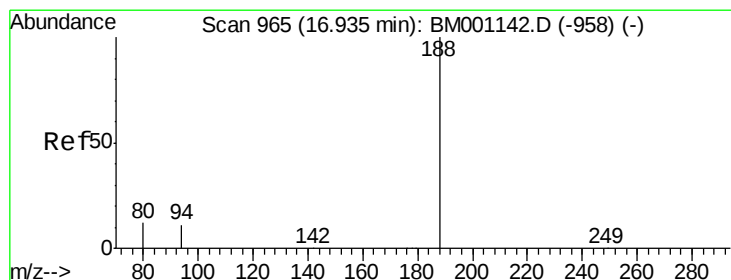
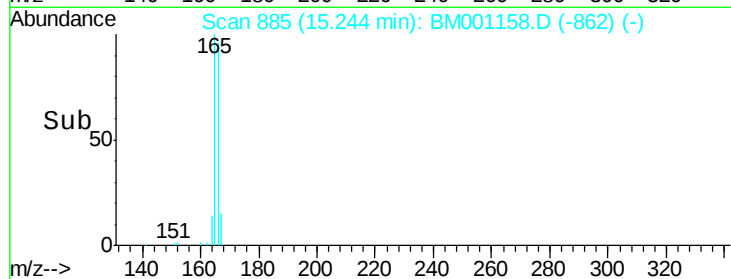
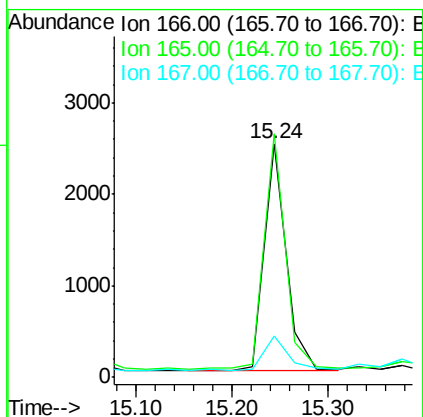
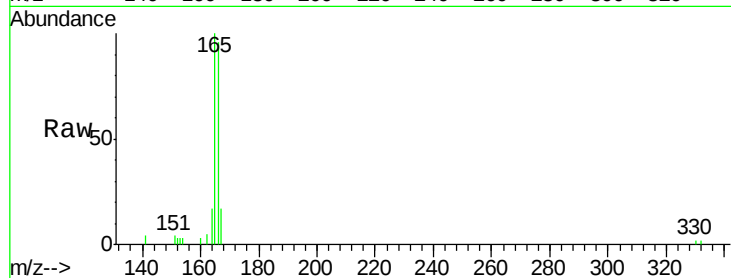




#17
Fluorene
 Concen: 0.27 ng
 RT: 15.24 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BM001158.D
 Acq: 02 May 2015 08:41

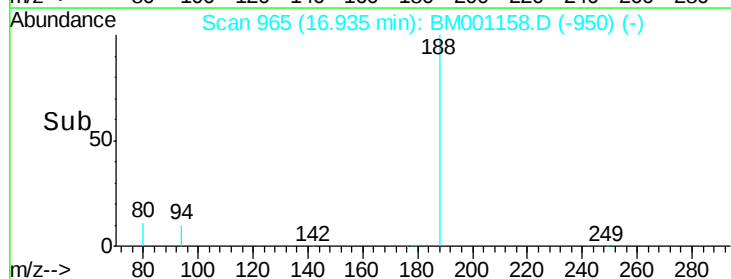
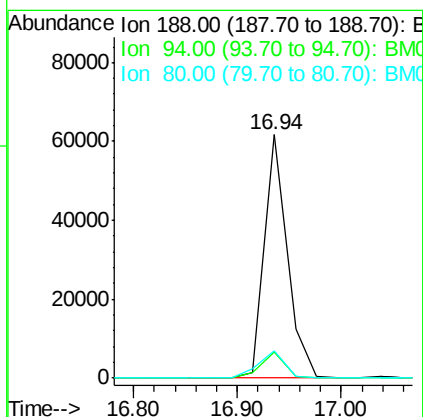
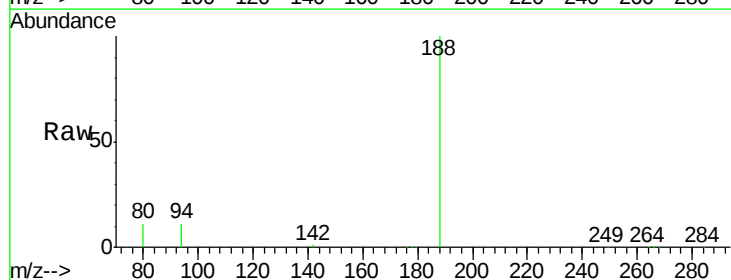
Instrument :
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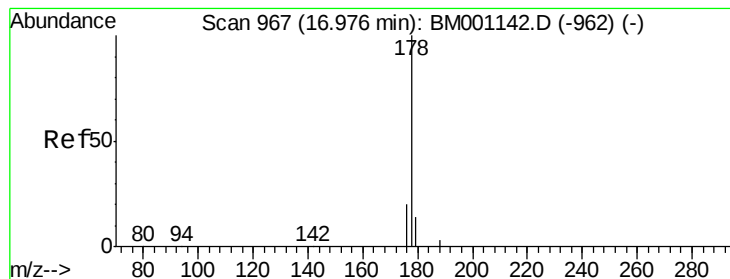
Tot Ion:166 Resp: 4007
 Ion Ratio Lower Upper
 166 100
 165 100.4 81.0 121.6
 167 18.1 10.4 15.6#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BM001158.D
 Acq: 02 May 2015 08:41

Tgt Ion:188 Resp: 93183
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.3 13.9
 80 11.0 9.8 14.6





#21

Phenanthrene

Concen: 0.30 ng

RT: 16.98 min Scan# 967

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

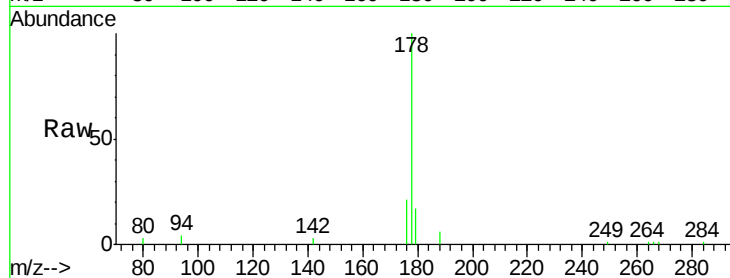
Tot Ion:178 Resp: 7289

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

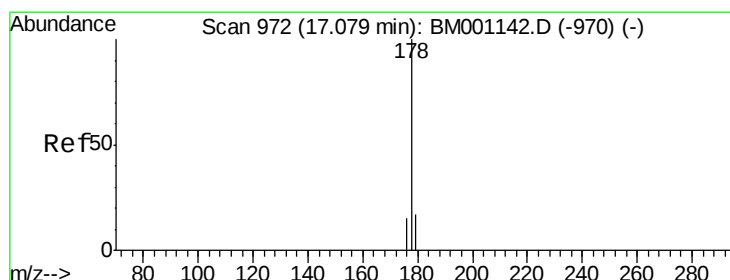
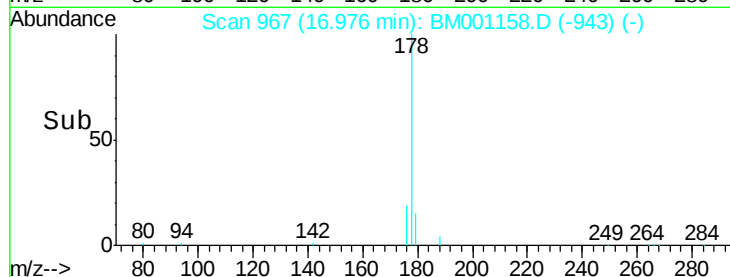
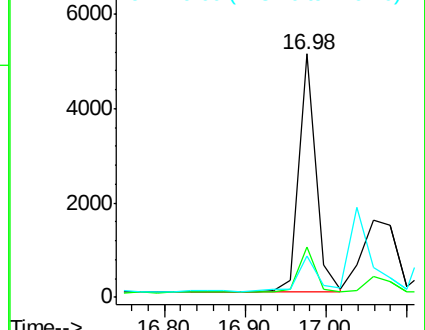
179 0.0 12.0 18.0#



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: 0.27 ng

RT: 17.06 min Scan# 971

Delta R.T. -0.02 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

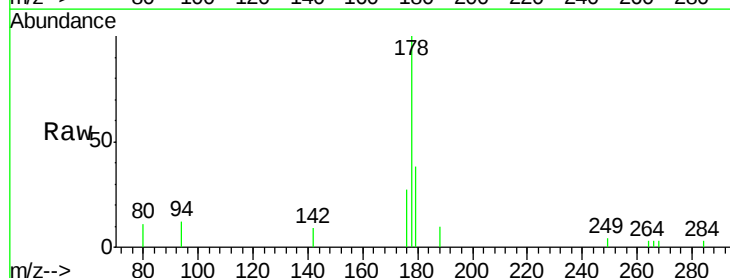
Tgt Ion:178 Resp: 5394

Ion Ratio Lower Upper

178 100

176 15.2 14.3 21.5

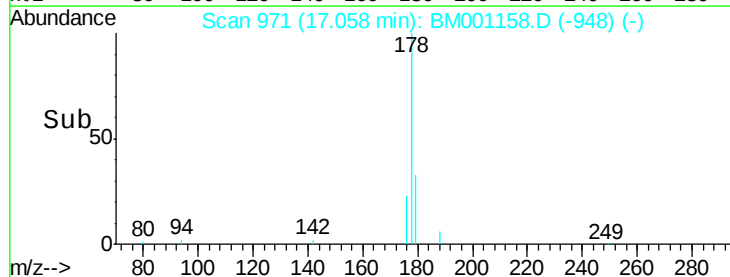
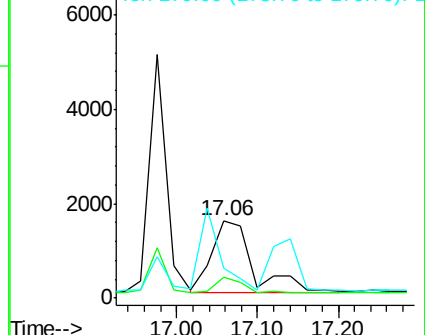
179 0.0 12.2 18.2#

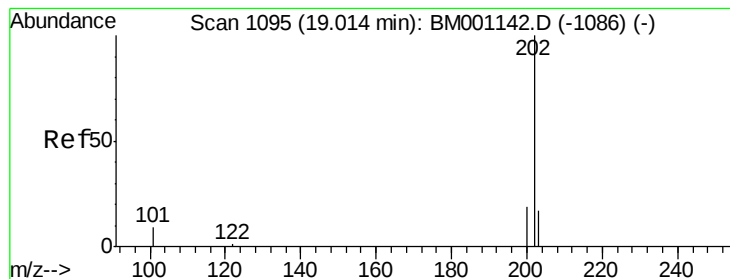


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.24 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

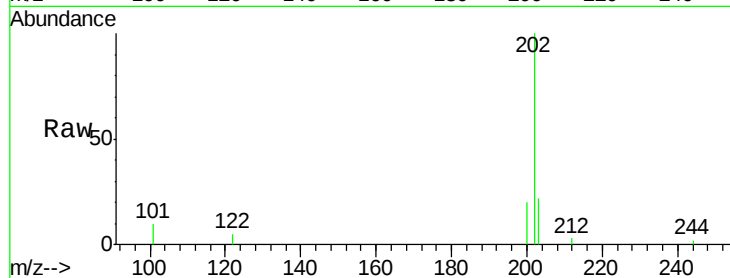
Tot Ion:202 Resp: 5916

Ion Ratio Lower Upper

202 100

101 13.1 9.3 13.9

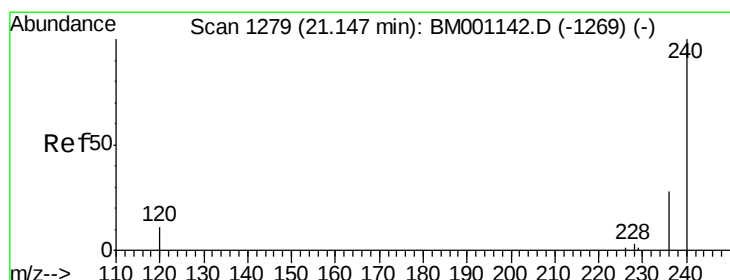
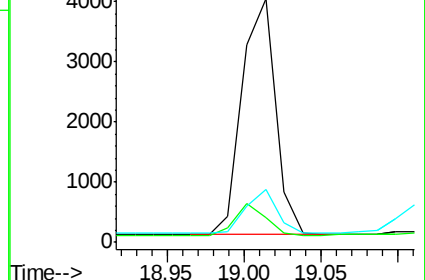
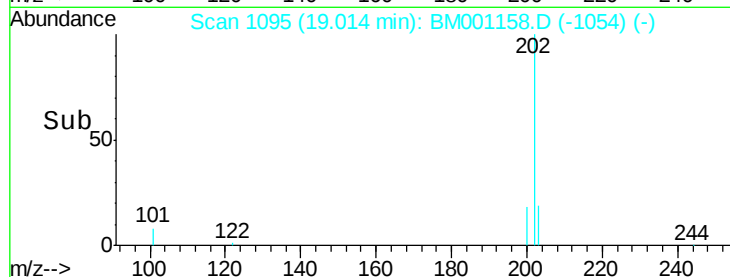
203 17.9 13.7 20.5



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: BM001158.D

Acq: 02 May 2015 08:41

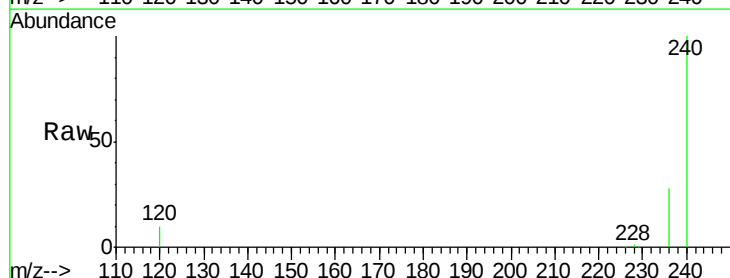
Tgt Ion:240 Resp: 61977

Ion Ratio Lower Upper

240 100

120 9.8 9.2 13.8

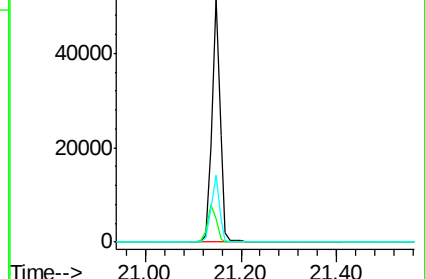
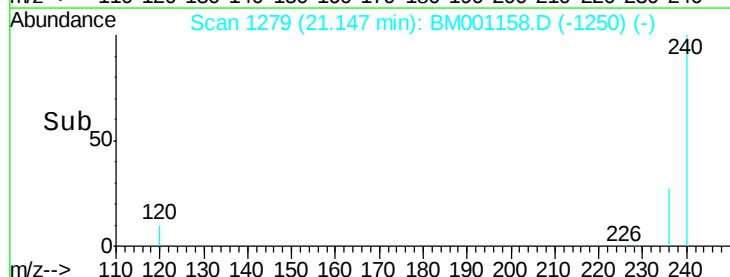
236 27.7 22.4 33.6

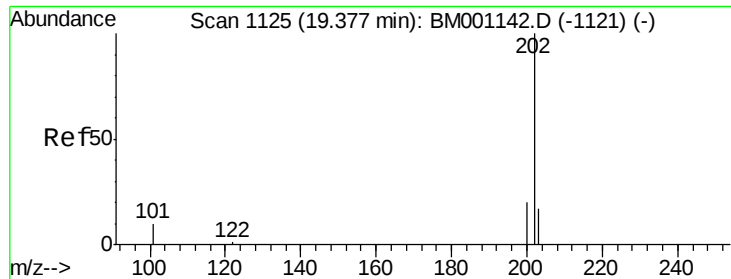


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

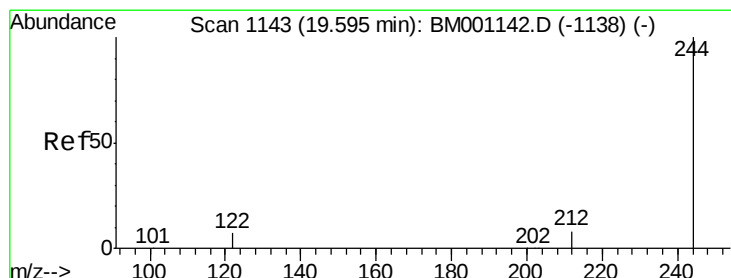
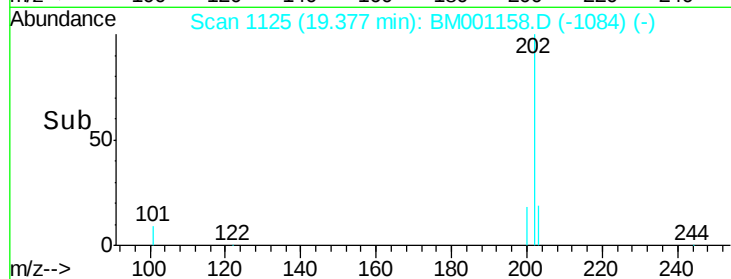
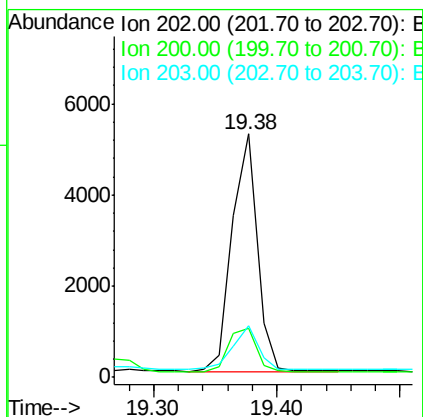
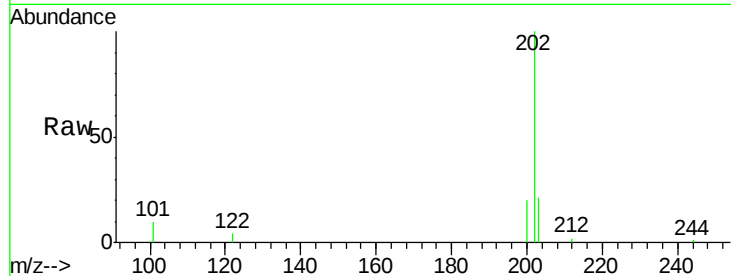




#25
Pvrene
Concen: 0.38 ng
RT: 19.38 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BM001158.D
Acq: 02 May 2015 08:41

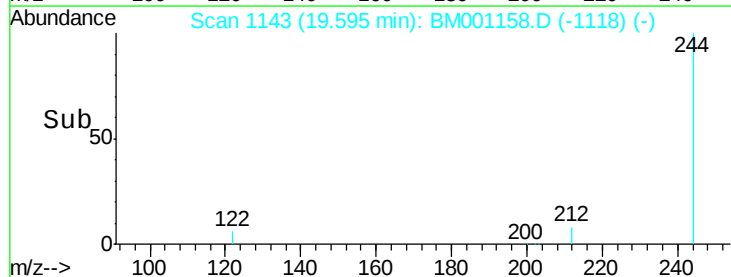
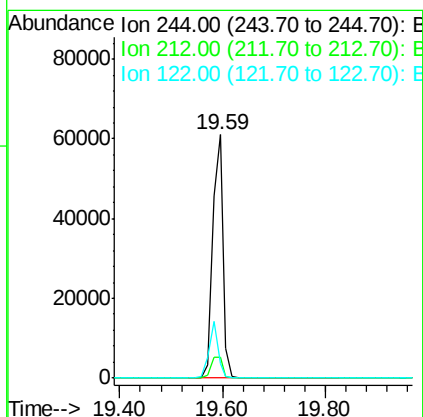
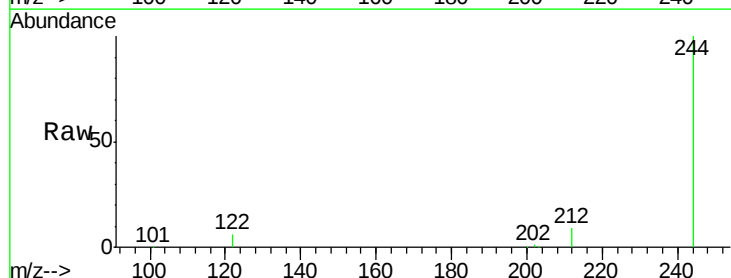
Instrument :
BNA_M
ClientSampleId :
MW-4

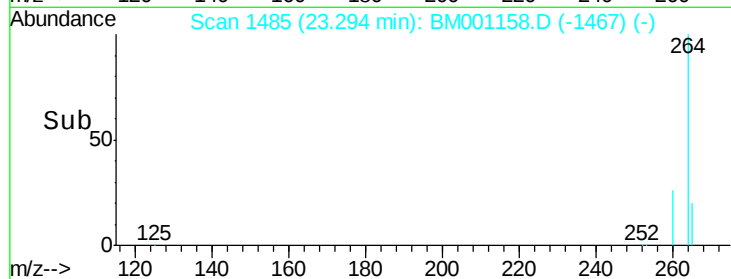
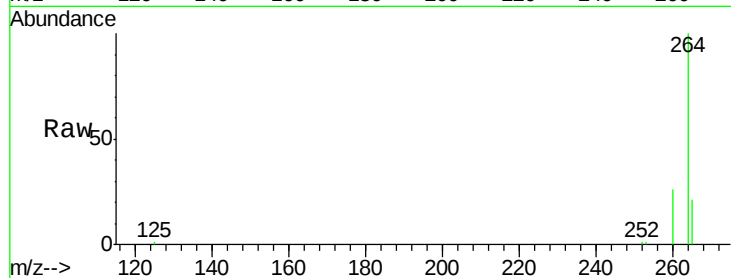
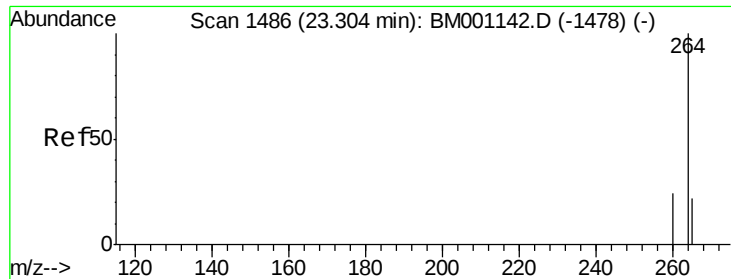
Tot Ion:202 Resp: 7376
Ion Ratio Lower Upper
202 100
200 21.1 16.4 24.6
203 19.2 13.8 20.6



#26
Terphenyl-d14
Concen: 10.07 ng
RT: 19.59 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BM001158.D
Acq: 02 May 2015 08:41

Tgt Ion:244 Resp: 86029
Ion Ratio Lower Upper
244 100
212 8.5 7.1 10.7
122 6.2 6.2 9.4#





#30

Pervlene-d12

Concen: 5.00 ng

RT: 23.29 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM001158.D

Acq: 02 May 2015 08:41

Instrument :

BNA_M

ClientSampleId :

MW-4

Tot Ion:264 Resp: 47246

Ion Ratio Lower Upper

264 100

260 26.0 18.9 28.3

265 21.3 18.1 27.1

