

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001673.D
 Acq On : 12 Jun 2015 12:05
 Operator : TP/IZ
 Sample : G2576-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SHB13W

Quant Time: Jun 12 16:53:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:27:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	21572	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	82771	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	42312	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	50363	5.00	ng	0.00
25) Chrysene-d12	21.27	240	73226	5.00	ng	0.00
32) Perylene-d12	23.51	264	58478	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	21911	4.29	ng	0.00
5) Phenol-d6	6.84	99	18808	2.93	ng	0.00
7) Nitrobenzene-d5	8.85	82	39684	6.26	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	23926	15.53	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	82274	5.57	ng	0.00
27) Terphenyl-d14	19.72	244	77309	7.00	ng	0.00

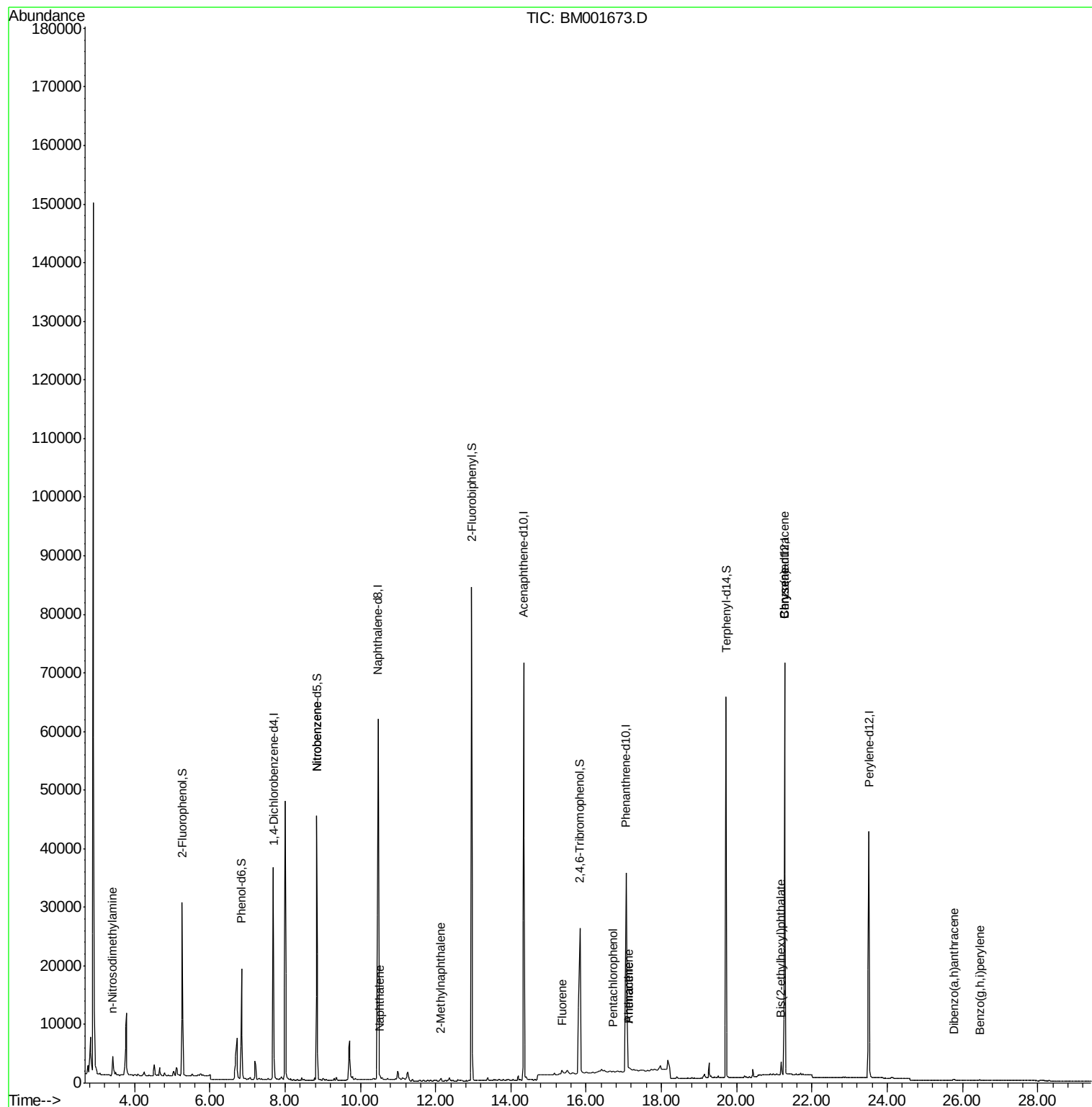
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	147	Below Cal	#	15
3) n-Nitrosodimethylamine	3.41	42	1002	0.27 ng	#	10
8) Nitrobenzene	8.85	77	224	0.03 ng	#	19
9) Naphthalene	10.52	128	704	0.04 ng	#	39
11) 2-Methylnaphthalene	12.14	142	394	0.03 ng	#	68
17) Fluorene	15.36	166	1278	0.10 ng	#	53
21) Pentachlorophenol	16.72	266	49	0.31 ng	#	65
22) Phenanthrene	17.12	178	738	0.04 ng	#	59
23) Anthracene	17.12	178	868	0.04 ng	#	80
28) Benzo(a)anthracene	21.27	228	533	0.02 ng	#	43
29) Chrysene	21.27	228	491	0.02 ng	#	55
30) Bis(2-ethylhexyl)phthalate	21.18	149	3354	0.42 ng	#	92
36) Dibenzo(a,h)anthracene	25.77	278	296	0.02 ng	#	1
37) Benzo(g,h,i)perylene	26.45	276	324	0.05 ng	#	28

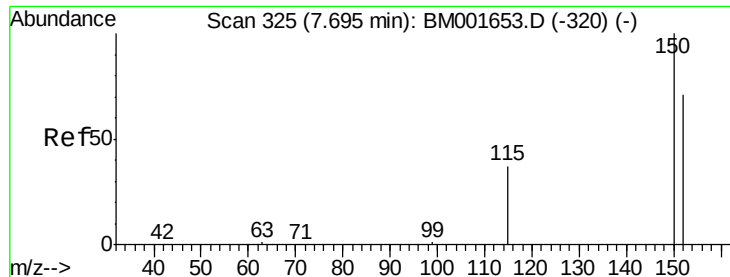
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.70 min Scan# 325

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

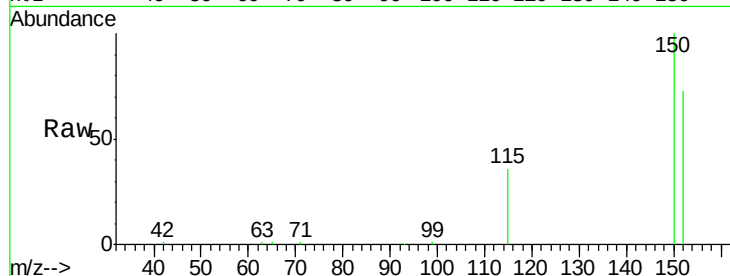
Tgt Ion:152 Resp: 21572

Ion Ratio Lower Upper

152 100

150 137.0 112.2 168.2

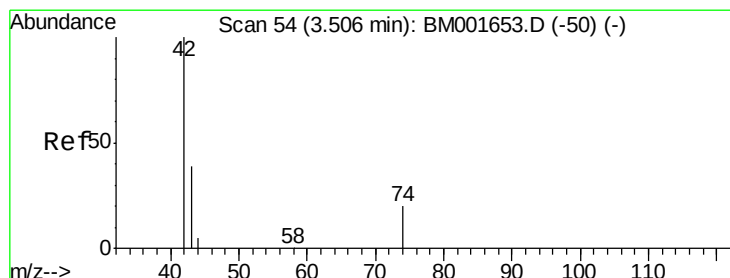
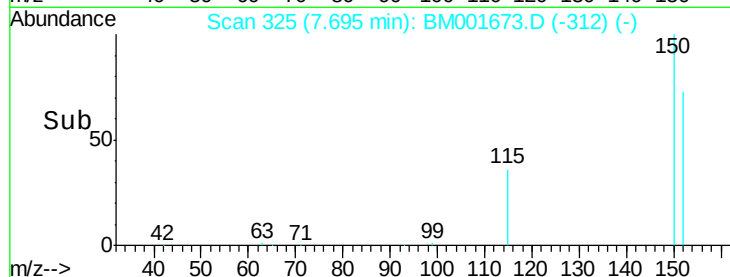
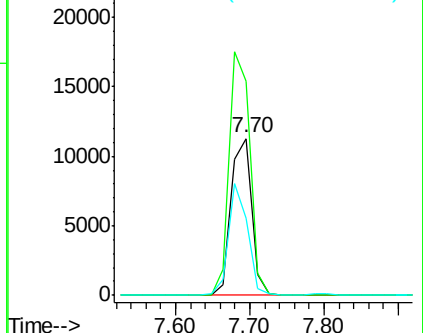
115 49.1 41.7 62.5



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: 0.27 ng

RT: 3.41 min Scan# 48

Delta R.T. -0.09 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

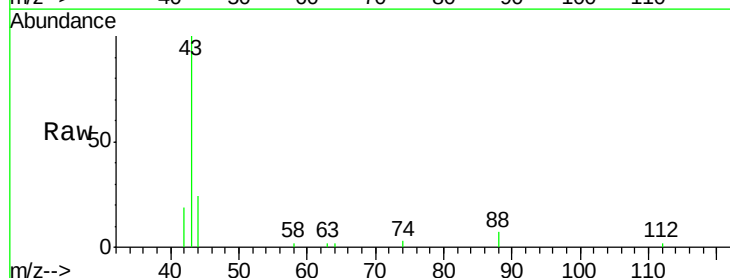
Tgt Ion: 42 Resp: 1002

Ion Ratio Lower Upper

42 100

74 6.6 75.7 113.5#

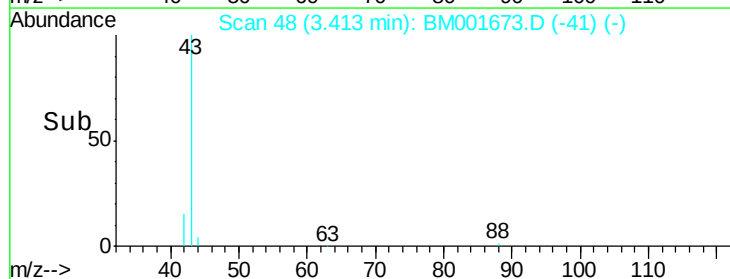
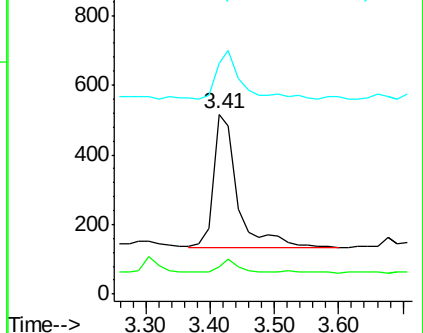
44 36.5 6.7 10.1#

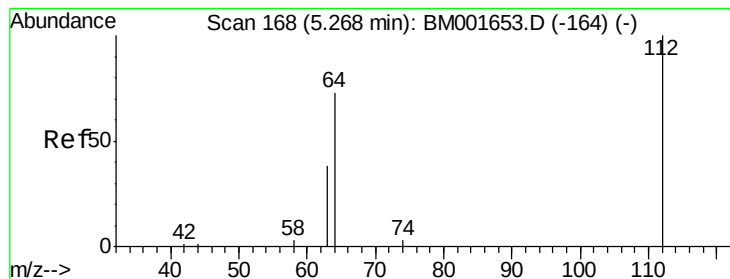


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 4.29 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

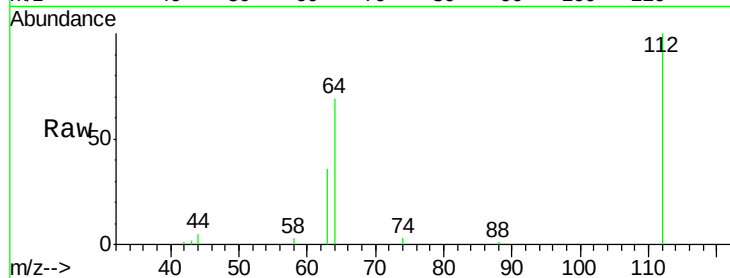
Tgt Ion: 112 Resp: 21911

Ion Ratio Lower Upper

112 100

64 68.5 55.5 83.3

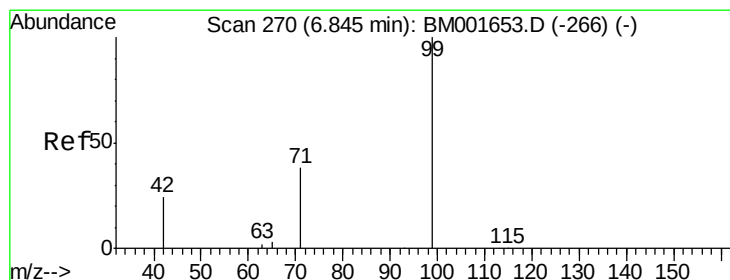
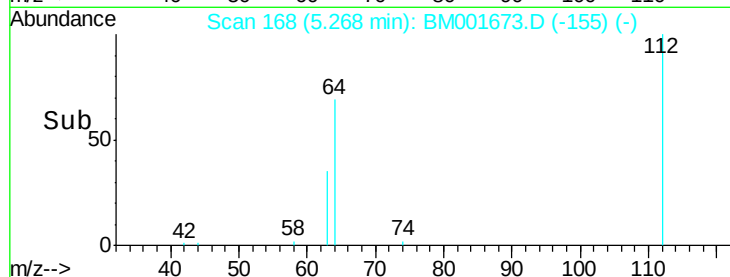
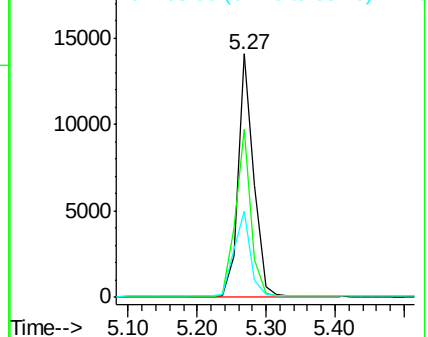
63 37.3 29.9 44.9



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: 2.93 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

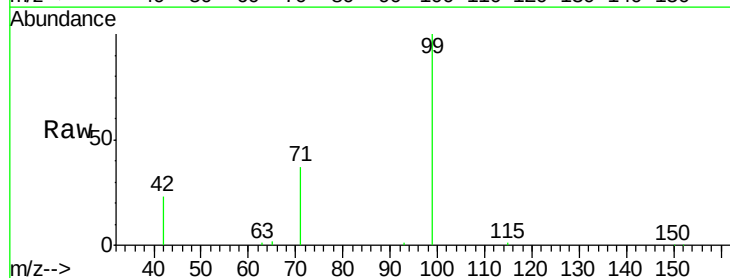
Tgt Ion: 99 Resp: 18808

Ion Ratio Lower Upper

99 100

42 25.6 21.6 32.4

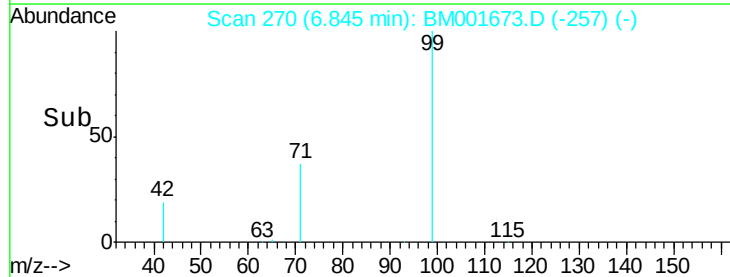
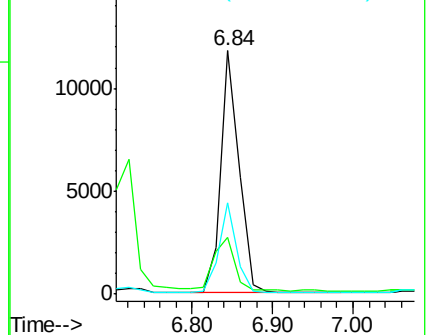
71 35.9 28.7 43.1

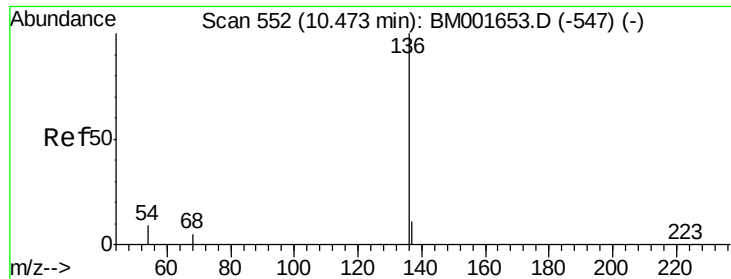


Abundance Ion 99.00 (98.70 to 99.70): BM0

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: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

Tgt Ion:136 Resp: 82771

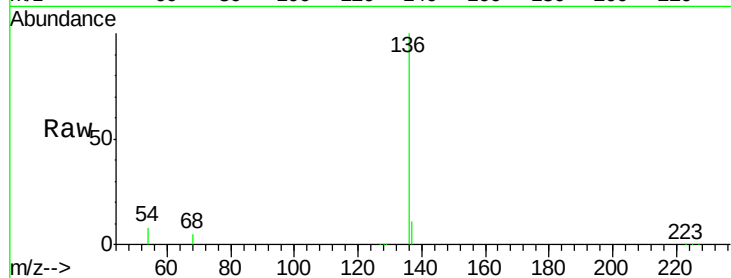
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.9 6.9 10.3

68 5.3 4.4 6.6

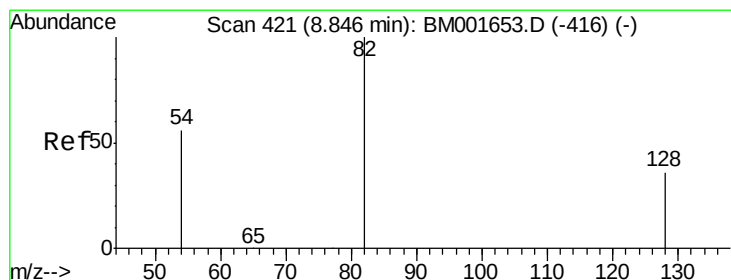
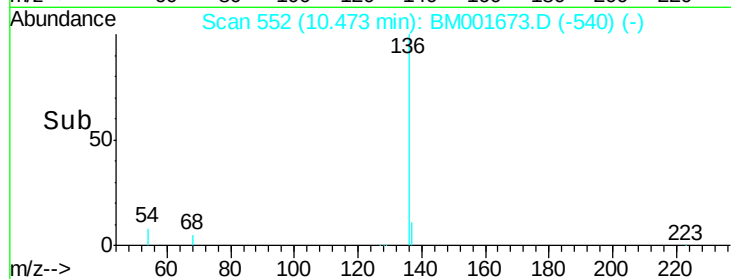
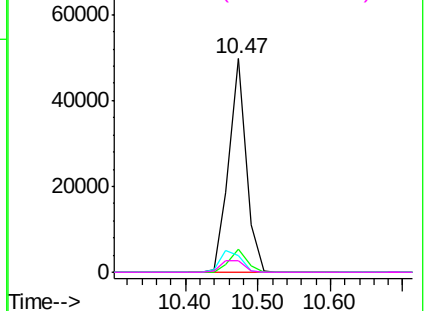


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#7

Nitrobenzene-d5

Concen: 6.26 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

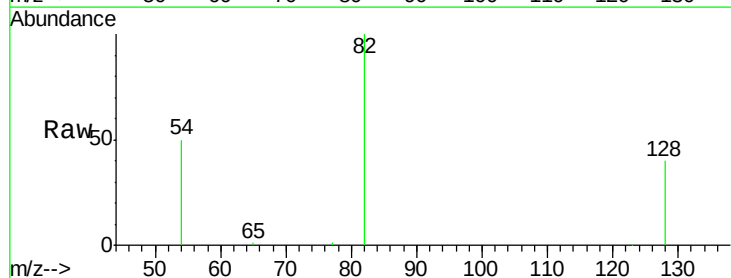
Tgt Ion: 82 Resp: 39684

Ion Ratio Lower Upper

82 100

128 39.6 29.7 44.5

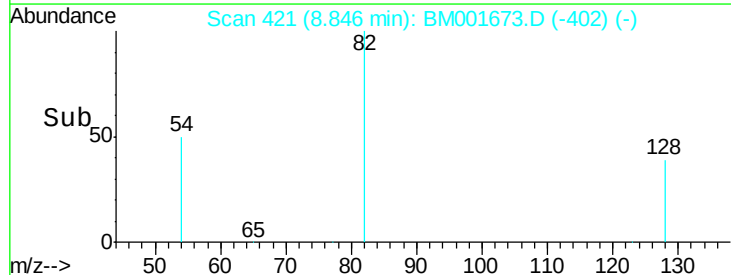
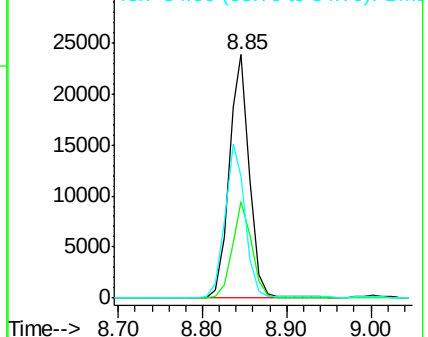
54 50.2 45.1 67.7

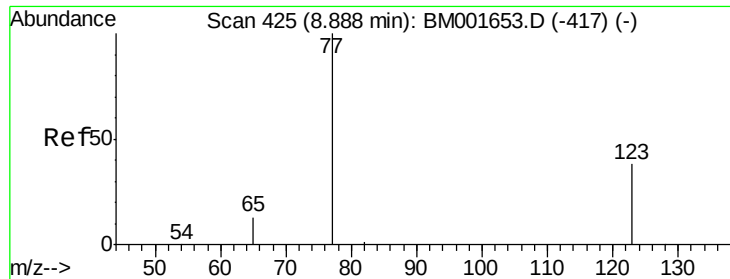


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

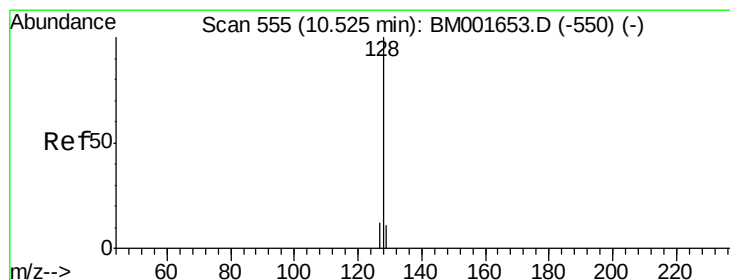
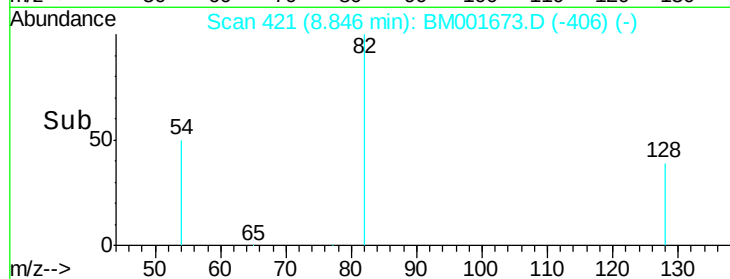
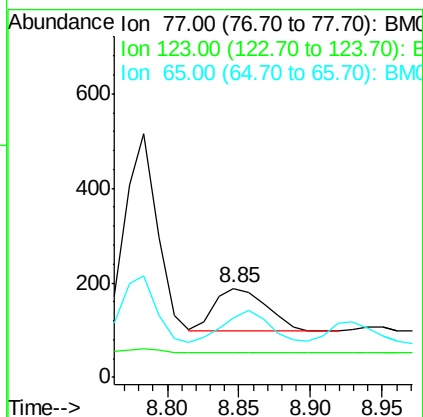
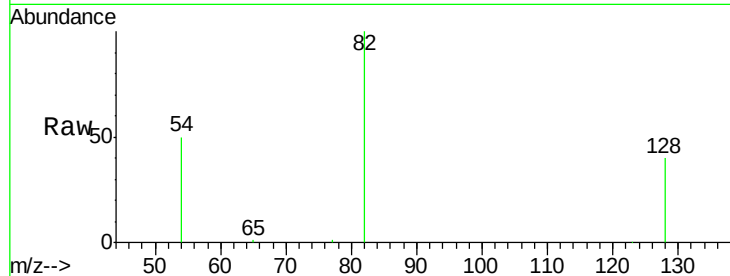




#8
 Nitrobenzene
 Concen: 0.03 ng
 RT: 8.85 min Scan# 421
 Delta R.T. -0.04 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

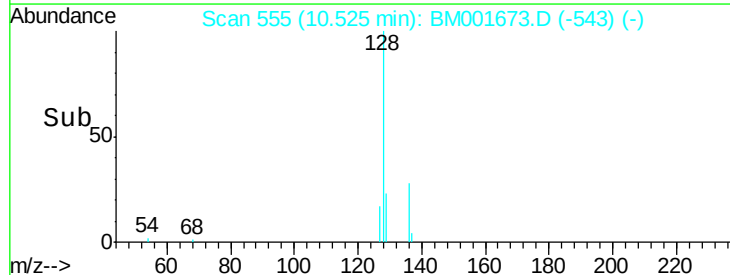
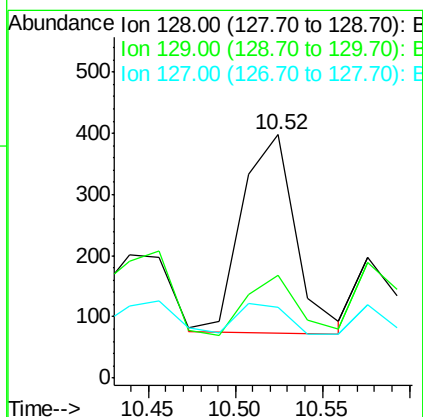
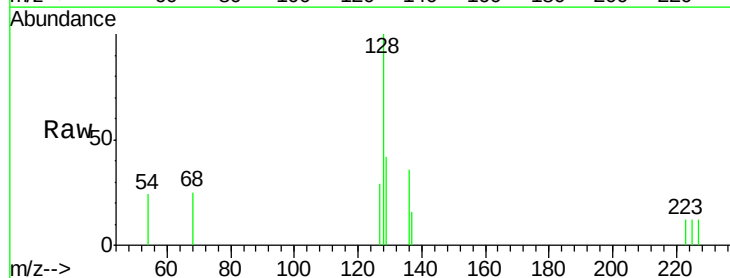
Instrument :
 BNA_M
 ClientSampleId :
 SHB13W

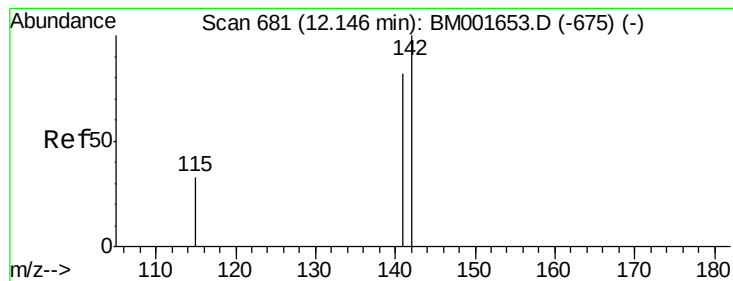
Tgt Ion: 77 Resp: 224
 Ion Ratio Lower Upper
 77 100
 123 0.0 30.3 45.5#
 65 66.5 11.2 16.8#



#9
 Naphthalene
 Concen: 0.04 ng
 RT: 10.52 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Tgt Ion: 128 Resp: 704
 Ion Ratio Lower Upper
 128 100
 129 42.5 9.4 14.2#
 127 29.1 9.7 14.5#





#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.14 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

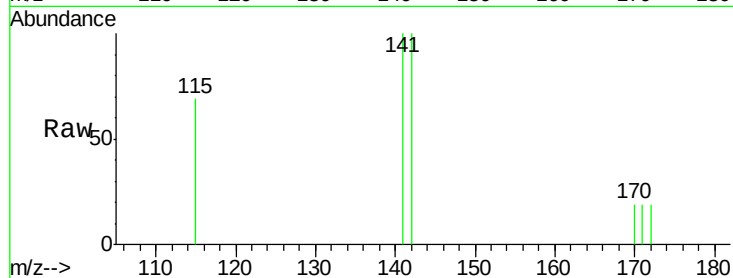
Tgt Ion:142 Resp: 394

Ion Ratio Lower Upper

142 100

141 99.6 65.8 98.6#

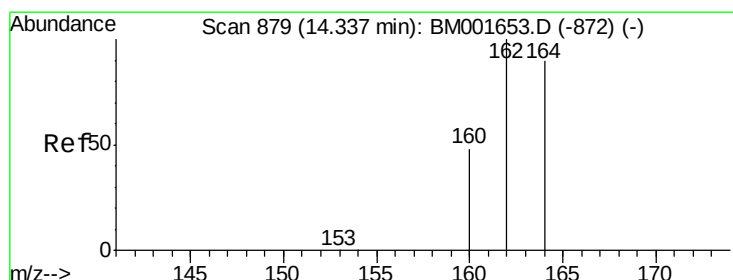
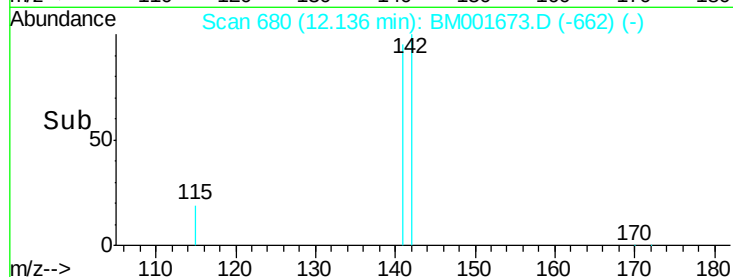
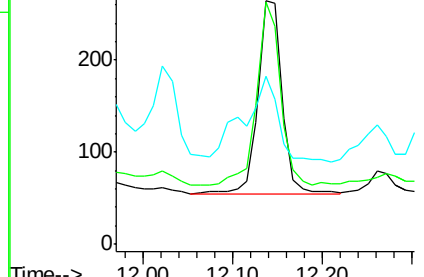
115 68.9 27.0 40.6#



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.34 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

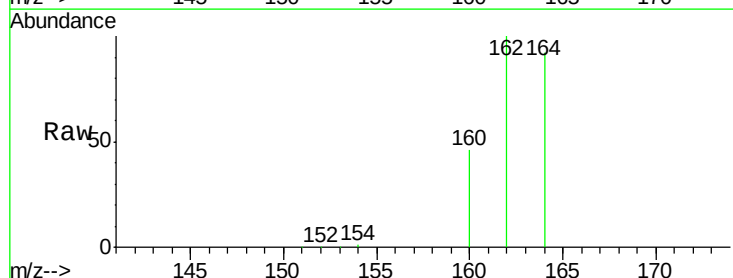
Tgt Ion:164 Resp: 42312

Ion Ratio Lower Upper

164 100

162 108.6 89.0 133.4

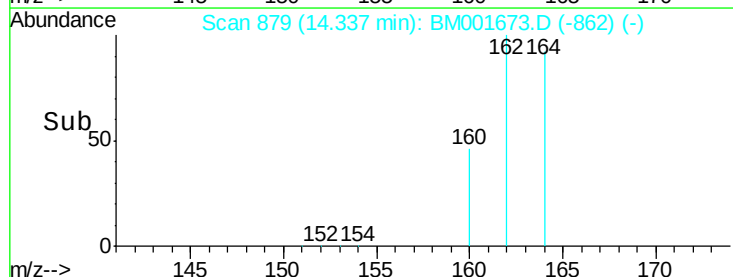
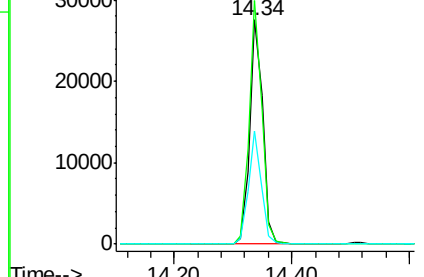
160 50.4 42.6 63.8

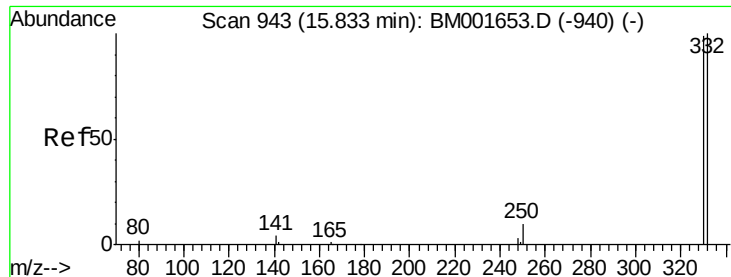


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

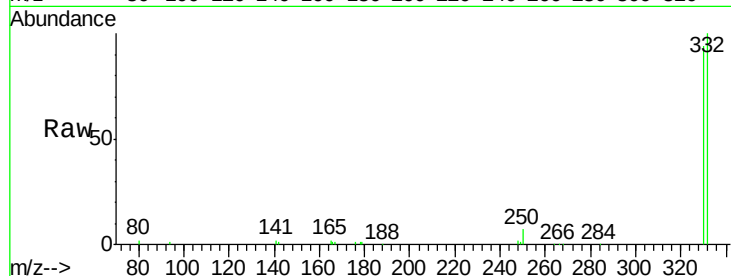




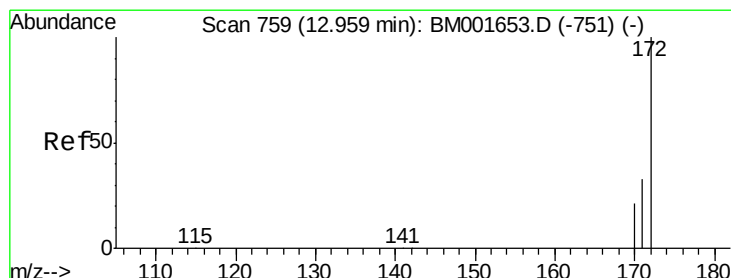
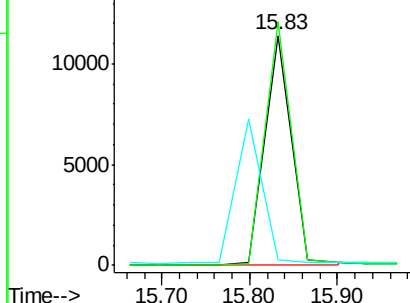
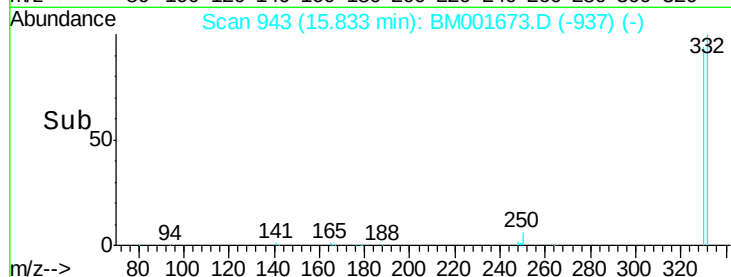
#13
 2,4,6-Tribromophenol
 Concen: 15.53 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Instrument :
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 SHB13W

Tgt Ion:330 Resp: 23926
 Ion Ratio Lower Upper
 330 100
 332 105.4 80.6 120.8
 141 0.0 0.0 0.0

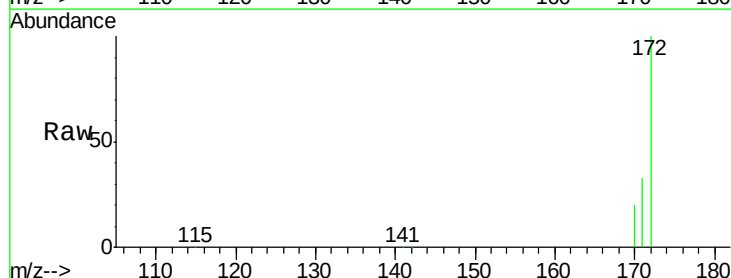


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

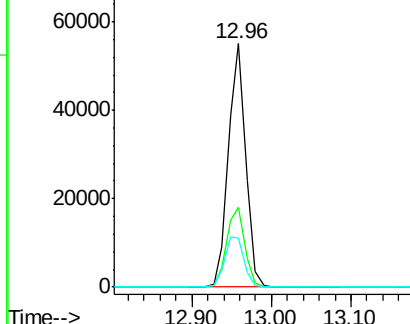
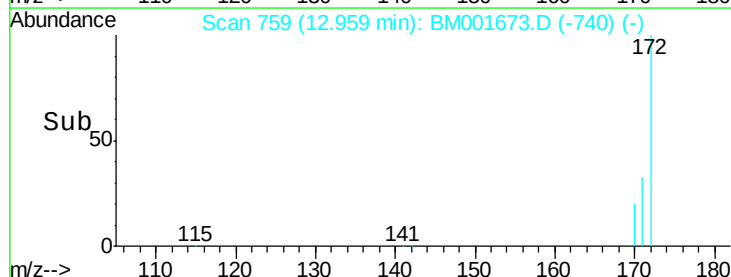


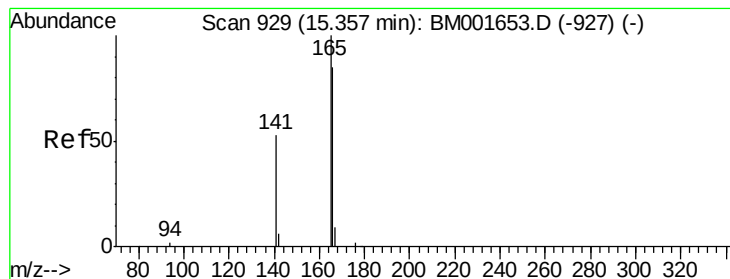
#14
 2-Fluorobiphenyl
 Concen: 5.57 ng
 RT: 12.96 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Tgt Ion:172 Resp: 82274
 Ion Ratio Lower Upper
 172 100
 171 32.8 26.6 40.0
 170 20.2 17.1 25.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#17

Fluorene

Concen: 0.10 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

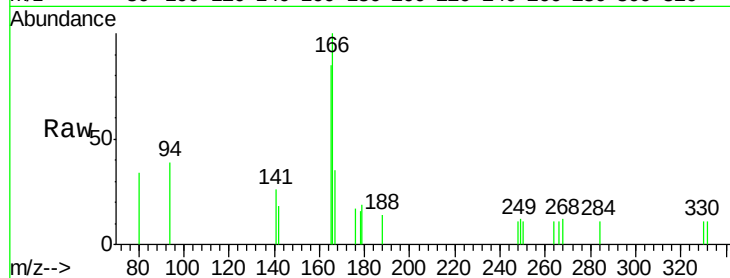
Tgt Ion:166 Resp: 1278

Ion Ratio Lower Upper

166 100

165 61.0 90.7 136.1#

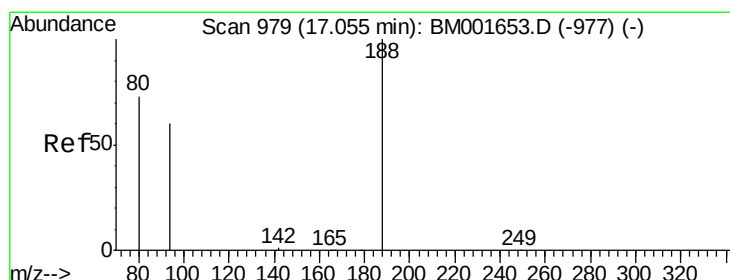
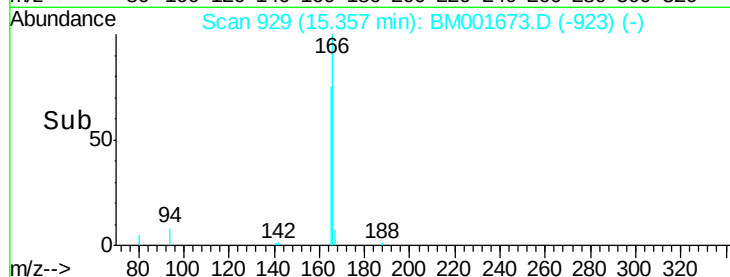
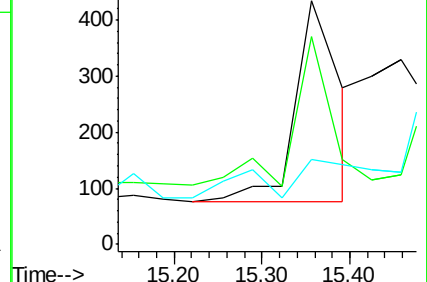
167 0.0 9.4 14.0#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

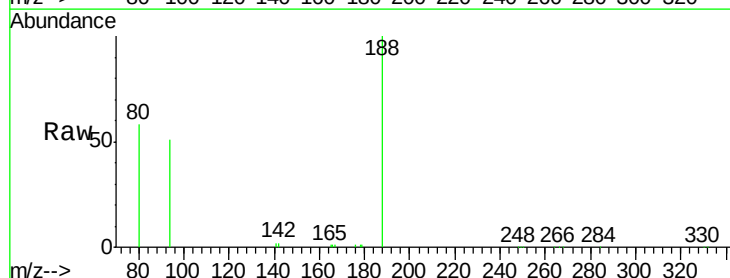
Tgt Ion:188 Resp: 50363

Ion Ratio Lower Upper

188 100

94 50.7 48.3 72.5

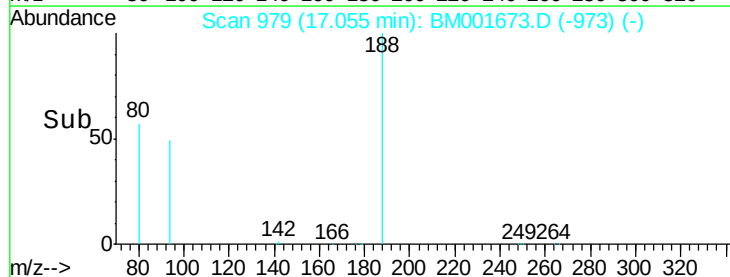
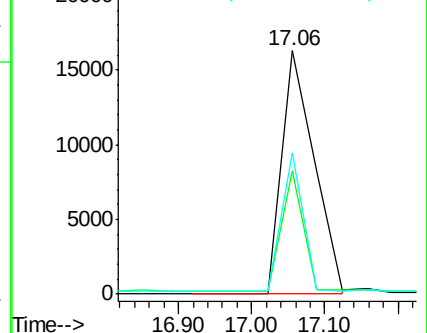
80 58.1 58.6 88.0#

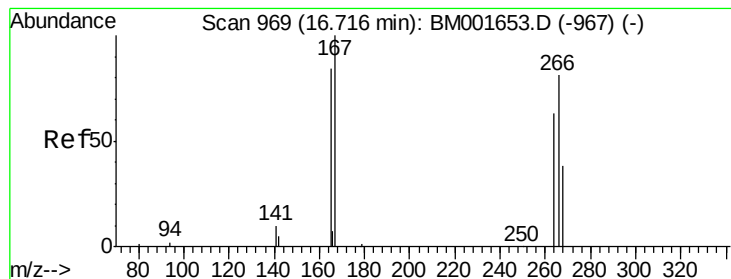


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#21

Pentachlorophenol

Concen: 0.31 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

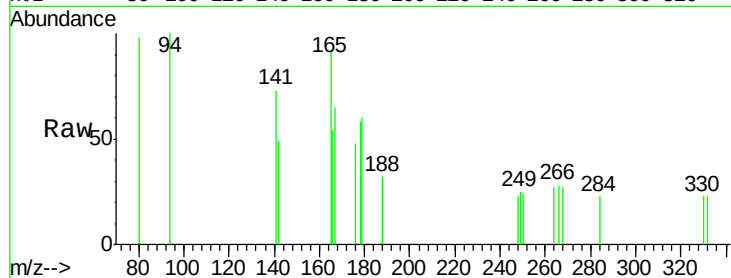
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

268 96.6 43.3 64.9#

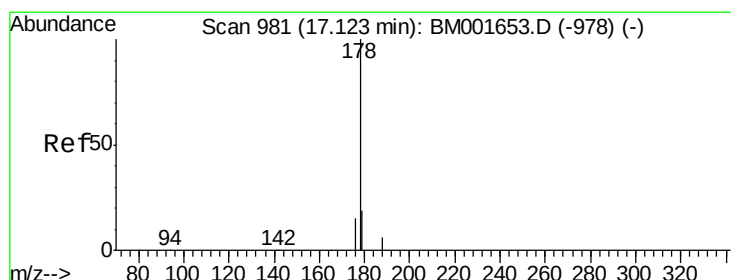
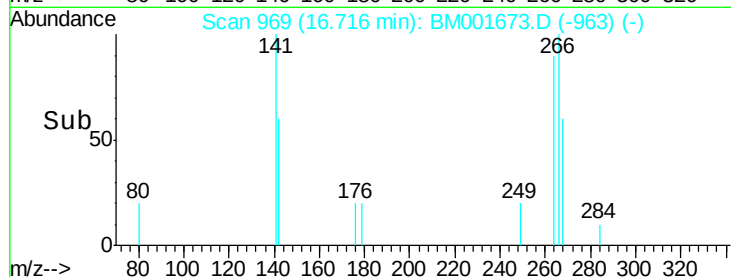
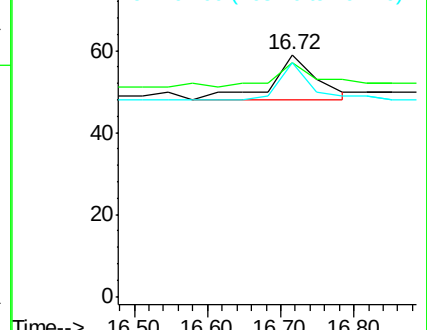
264 96.6 64.5 96.7



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



#22

Phenanthrene

Concen: 0.04 ng

RT: 17.12 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

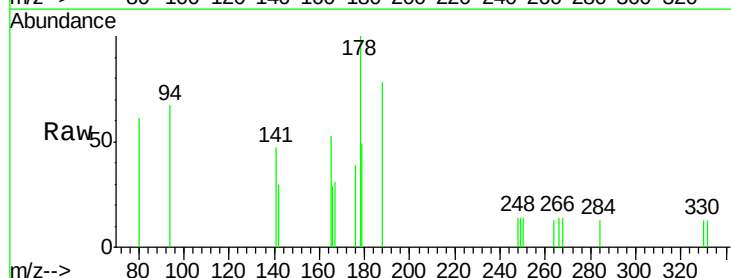
Tgt Ion:178 Resp: 738

Ion Ratio Lower Upper

178 100

176 23.7 0.0 0.0#

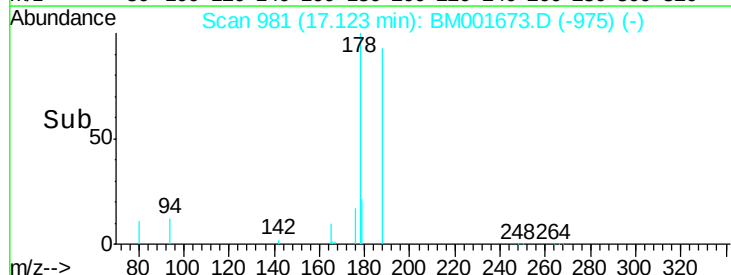
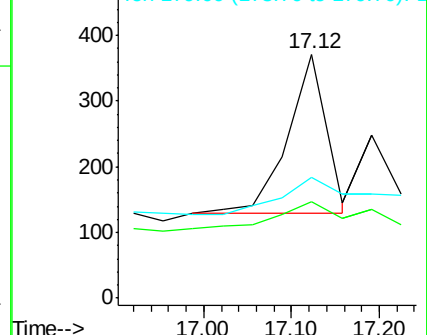
179 35.6 14.2 21.2#

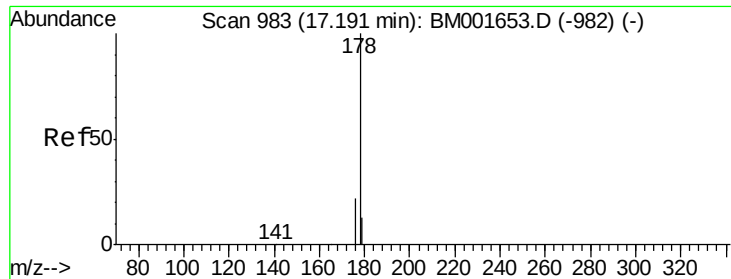


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

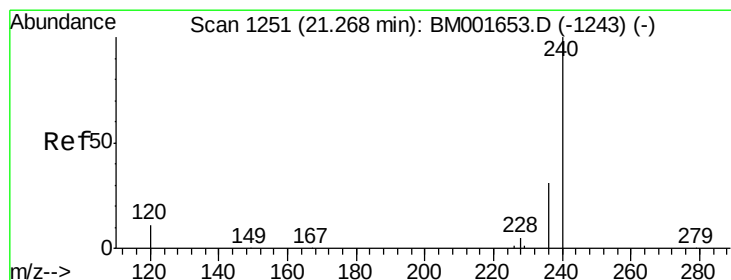
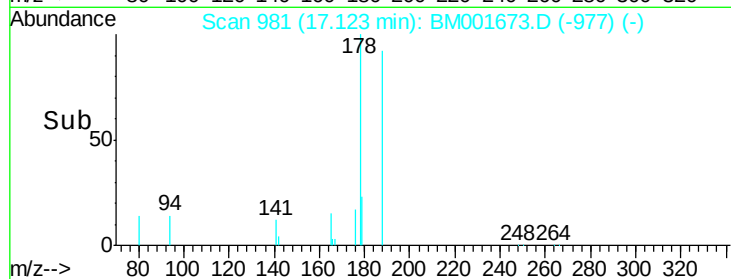
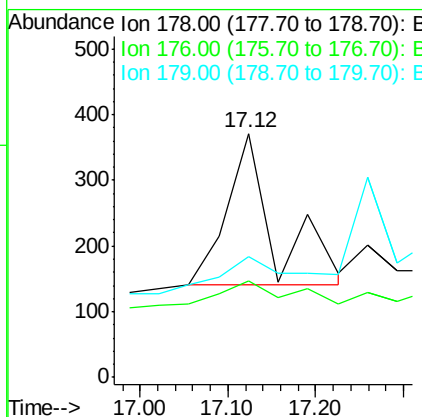
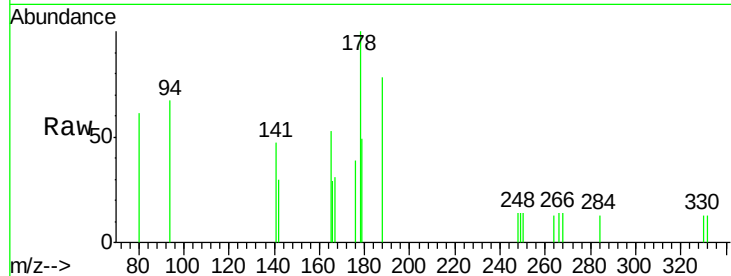




#23
 Anthracene
 Concen: 0.04 ng
 RT: 17.12 min Scan# 981
 Delta R.T. -0.07 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

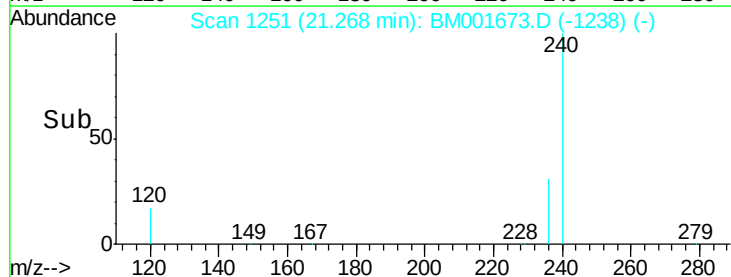
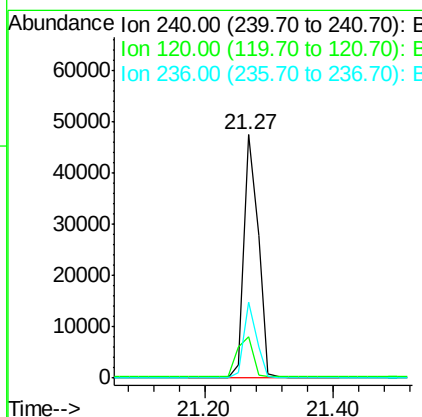
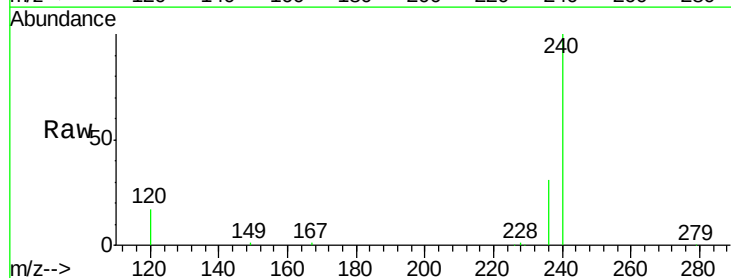
Instrument :
 BNA_M
 ClientSampleId :
 SHB13W

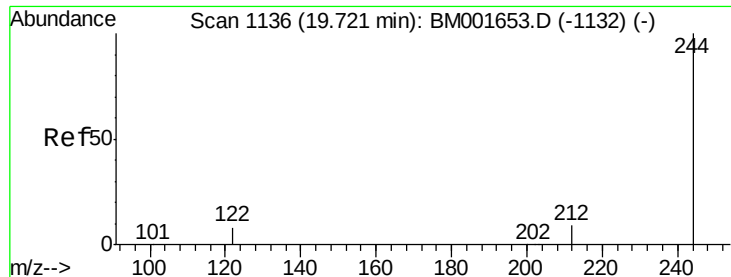
Tgt Ion:178 Resp: 868
 Ion Ratio Lower Upper
 178 100
 176 19.2 0.0 0.0#
 179 16.2 21.4 32.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.27 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Tgt Ion:240 Resp: 73226
 Ion Ratio Lower Upper
 240 100
 120 17.0 8.9 13.3#
 236 31.2 24.6 36.8

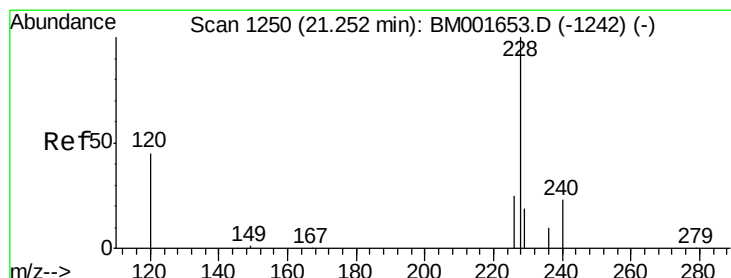
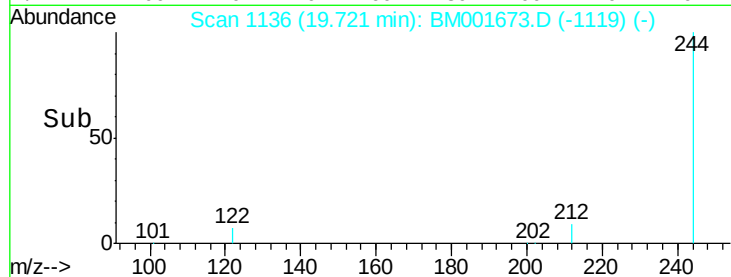
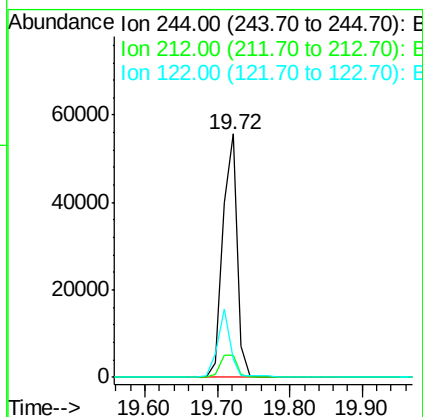
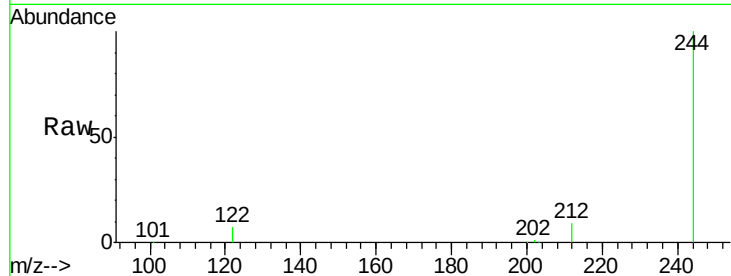




#27
 Terphenyl-d14
 Concen: 7.00 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

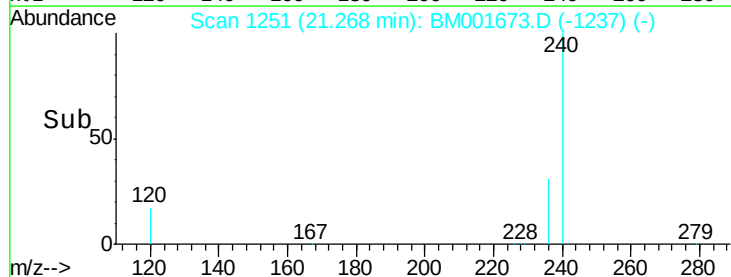
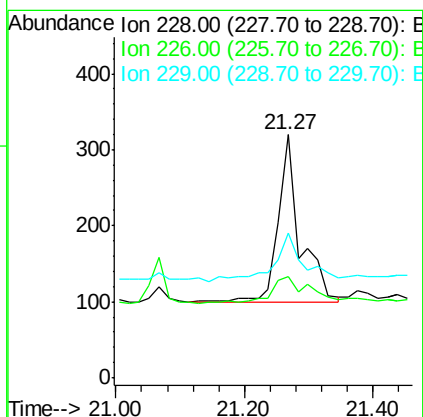
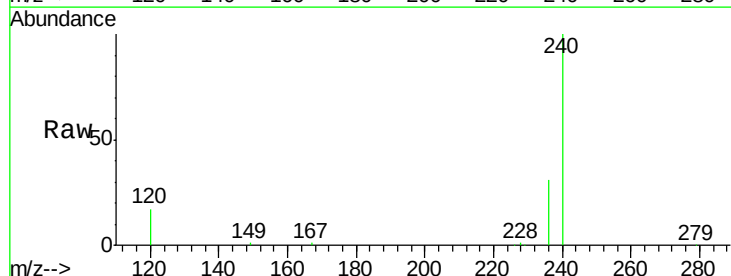
Instrument :
 BNA_M
 ClientSampleId :
 SHB13W

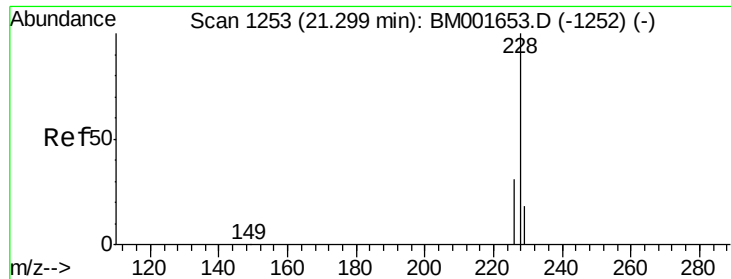
Tgt Ion: 244 Resp: 77309
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.7 11.5
 122 7.5 6.9 10.3



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.27 min Scan# 1251
 Delta R.T. 0.02 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Tgt Ion: 228 Resp: 533
 Ion Ratio Lower Upper
 228 100
 226 41.9 20.2 30.4#
 229 59.7 15.7 23.5#





#29

Chrysene

Concen: 0.02 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W

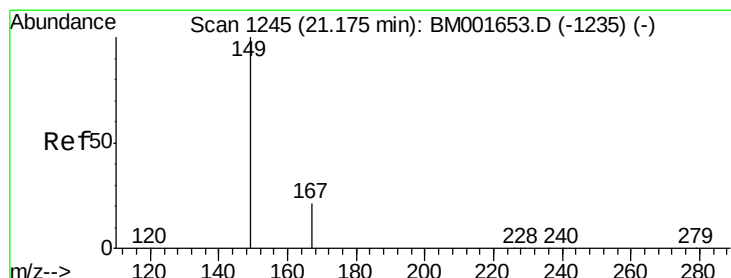
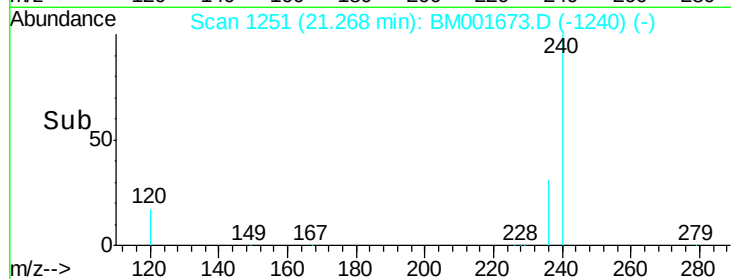
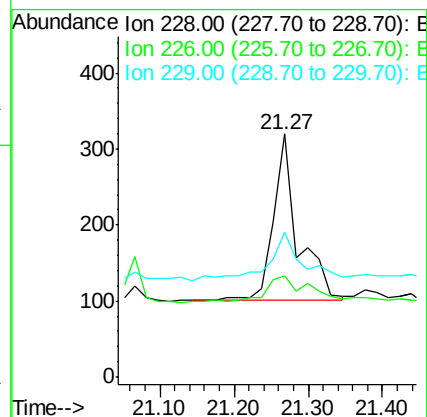
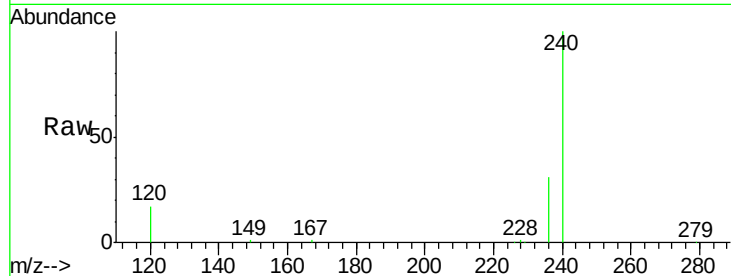
Tgt Ion: 228 Resp: 491

Ion Ratio Lower Upper

228 100

226 41.9 25.8 38.8#

229 59.7 14.1 21.1#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng

RT: 21.18 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BM001673.D

Acq: 12 Jun 2015 12:05

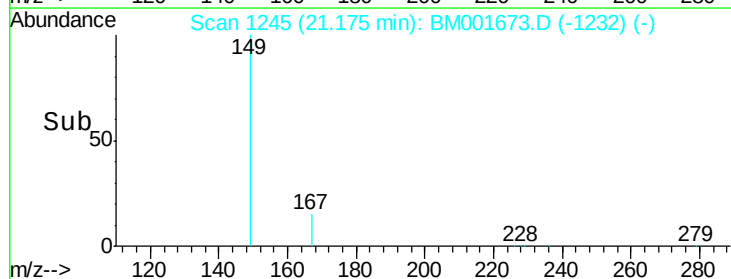
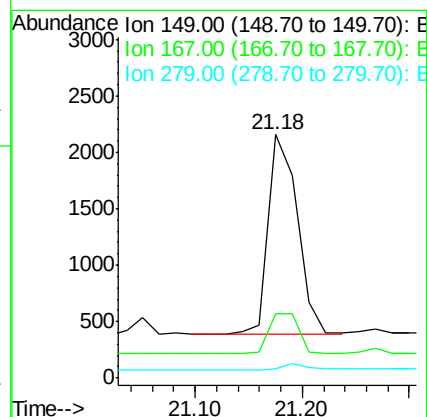
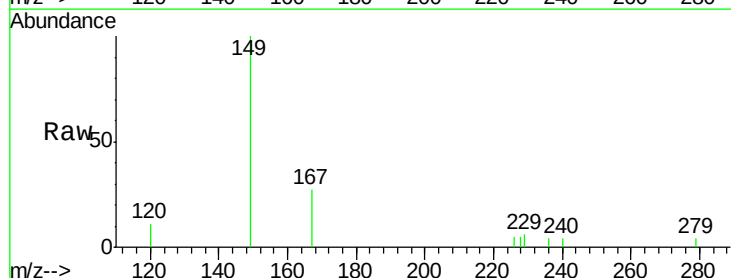
Tgt Ion: 149 Resp: 3354

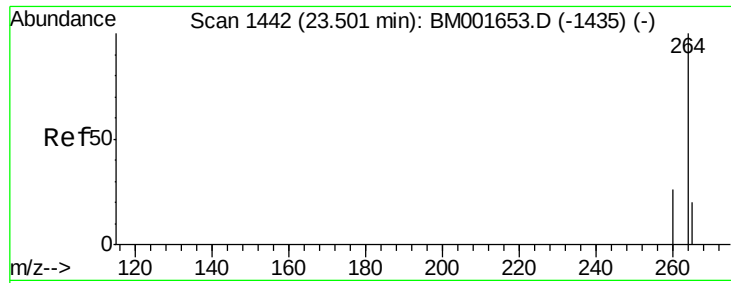
Ion Ratio Lower Upper

149 100

167 21.1 20.2 30.2

279 2.6 1.7 2.5#

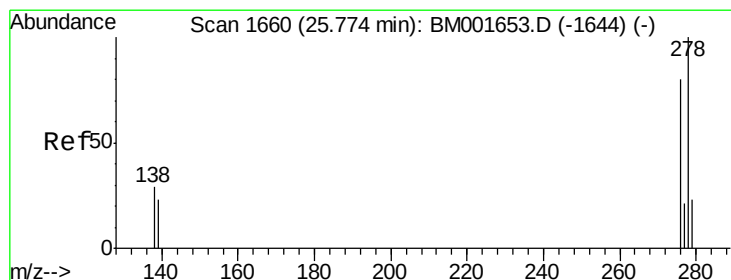
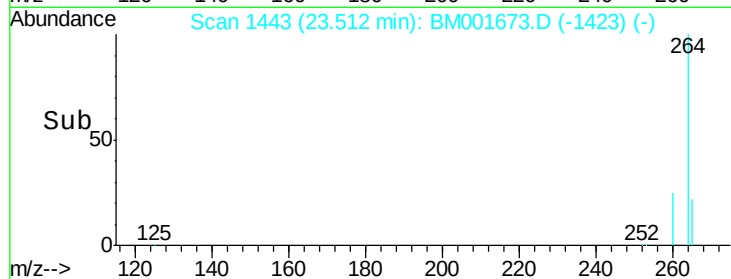
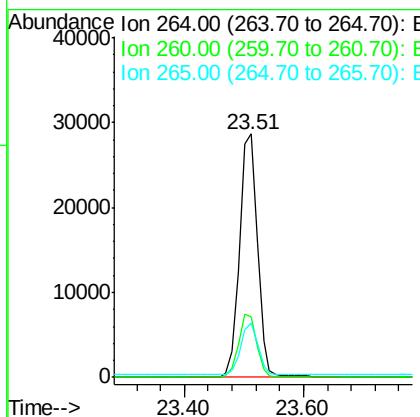
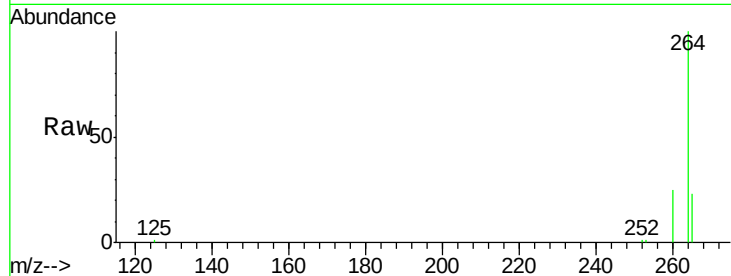




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

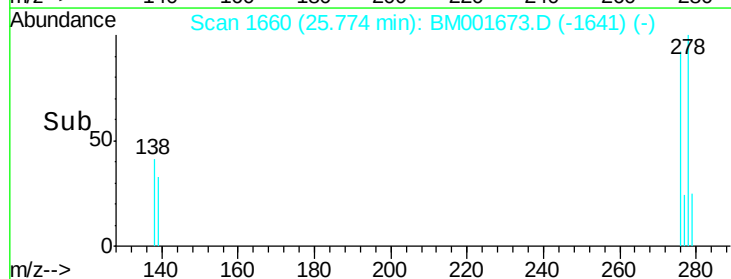
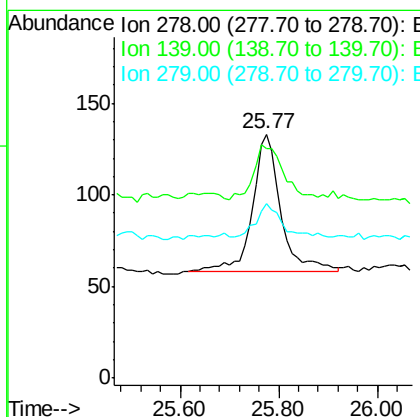
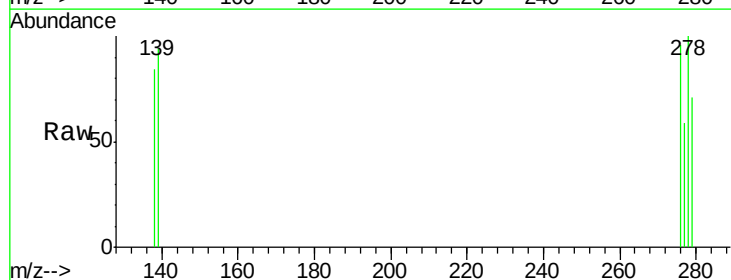
Instrument :
 BNA_M
 ClientSampleId :
 SHB13W

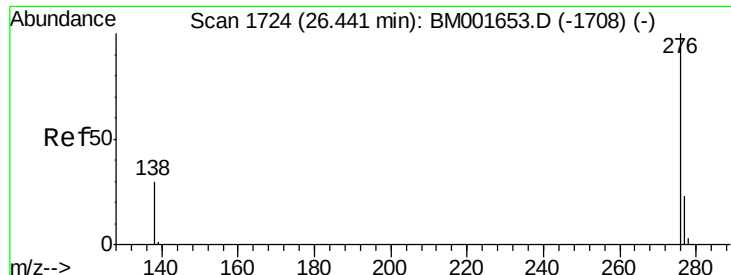
Tgt Ion: 264 Resp: 58478
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.8 31.2
 265 22.5 16.9 25.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.02 ng
 RT: 25.77 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BM001673.D
 Acq: 12 Jun 2015 12:05

Tgt Ion: 278 Resp: 296
 Ion Ratio Lower Upper
 278 100
 139 94.0 19.1 28.7#
 279 71.4 19.7 29.5#





#37

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.45 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BM001673.D

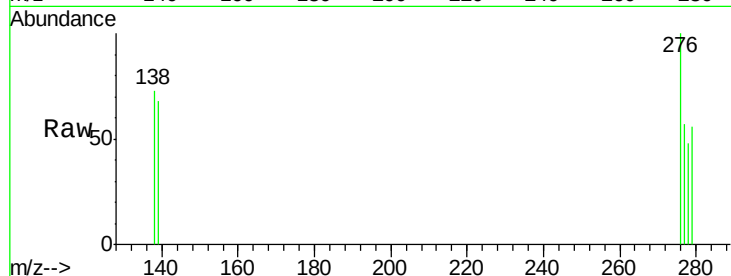
Acq: 12 Jun 2015 12:05

Instrument :

BNA_M

ClientSampleId :

SHB13W



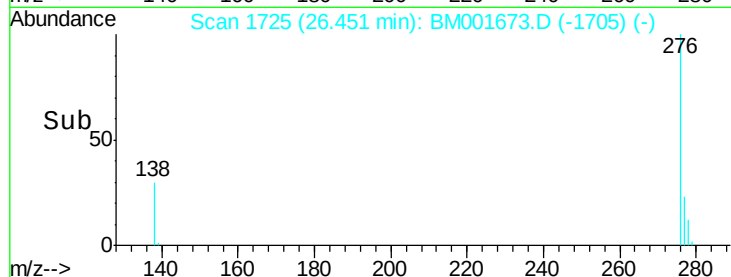
Tgt Ion: 276 Resp: 324

Ion Ratio Lower Upper

276 100

277 56.8 19.3 28.9#

138 73.4 25.0 37.4#



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

