

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001036.D
 Acq On : 17 Apr 2015 17:36
 Operator : TP/IZ
 Sample : G1749-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1N67

Quant Time: Apr 20 08:50:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 05:07:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1144	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4157	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2159	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	4679	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4225	5.00	ng	0.00
25) Perylene-d12	23.37	264	3798	5.00	ng	0.01

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0	0.00	ng	
9) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
21) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

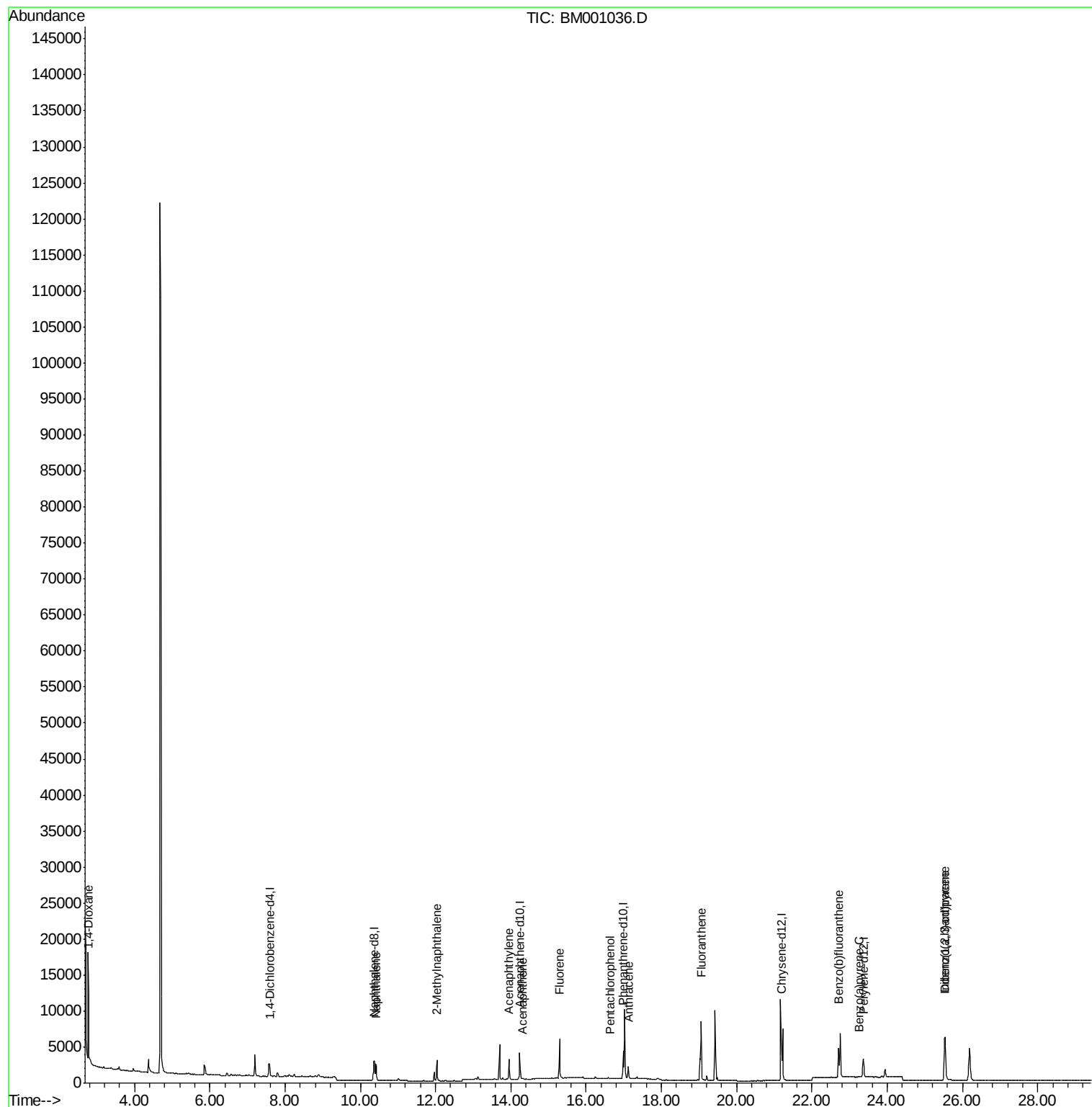
						Qvalue
2) 1,4-Dioxane	2.78	88	1476	11.73	ng	# 100
6) Naphthalene	10.41	128	3493	3.50	ng	# 95
7) 2-Methylnaphthalene	12.03	142	2233	3.40	ng	92
10) Acenaphthylene	13.94	152	3769	3.13	ng	97
11) Acenaphthene	14.30	154	50	0.07	ng	# 53
12) Fluorene	15.30	166	3758	4.77	ng	97
15) Pentachlorophenol	16.64	266	10	0.43	ng	# 60
16) Phenanthrene	17.03	178	11341	Below	Cal	100
17) Anthracene	17.12	178	2636	2.41	ng	97
18) Fluoranthene	19.06	202	8012	6.48	ng	100
20) Pyrene	19.42	202	9008	Below	Cal	99
22) Benzo(a)anthracene	21.17	228	10239	Below	Cal	93
23) Chrysene	21.17	228	10239	Below	Cal	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	6575	5.11	ng	96
26) Benzo(b)fluoranthene	22.71	252	5242	3.98	ng	# 89
27) Benzo(k)fluoranthene	22.75	252	7483	Below	Cal	# 93
28) Benzo(a)pyrene	23.25	252	25	0.20	ng	# 1
29) Dibenzo(a,h)anthracene	25.54	278	5865	6.29	ng	# 87
30) Benzo(g,h,i)perylene	26.18	276	8911	Below	Cal	97

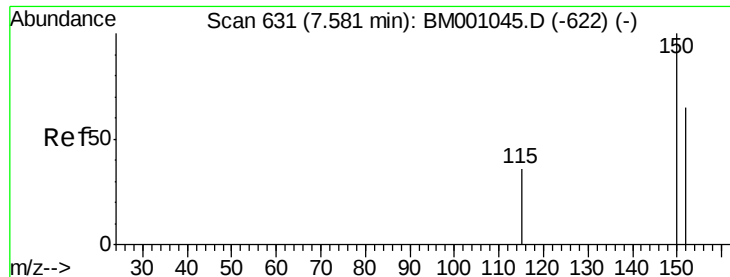
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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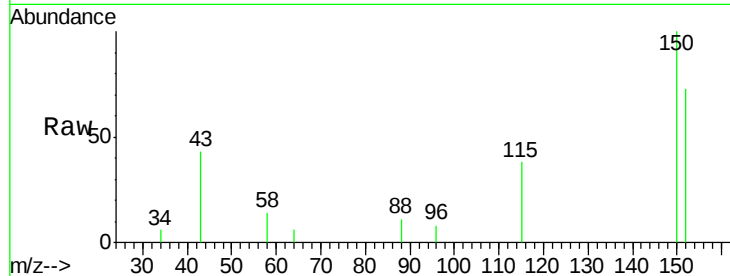




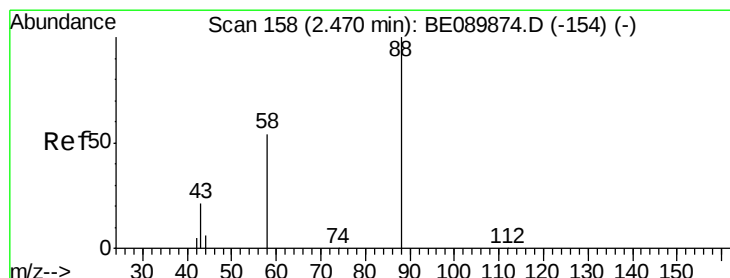
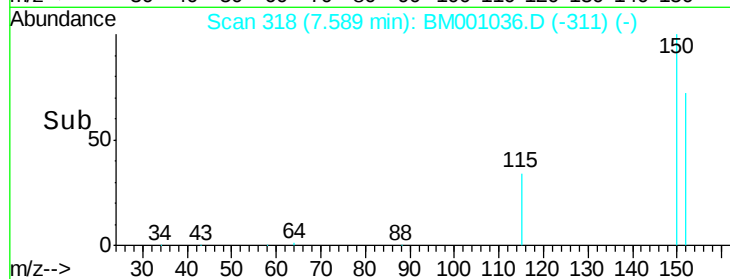
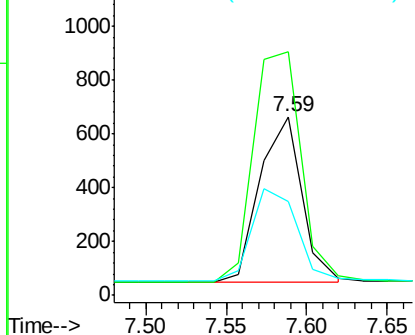
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.59 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

Instrument :
 BNA_M
 ClientSampleId :
 X1N67

Tgt Ion: 152 Resp: 1144
 Ion Ratio Lower Upper
 152 100
 150 136.1 123.3 184.9
 115 52.2 45.0 67.6

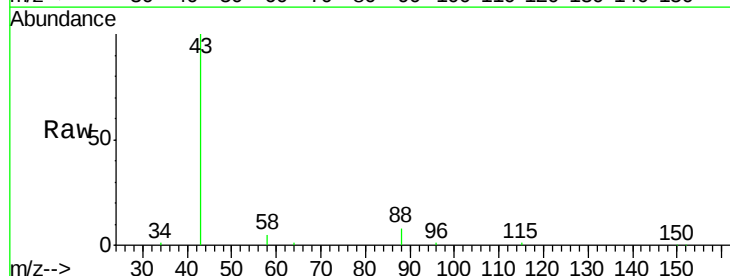


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

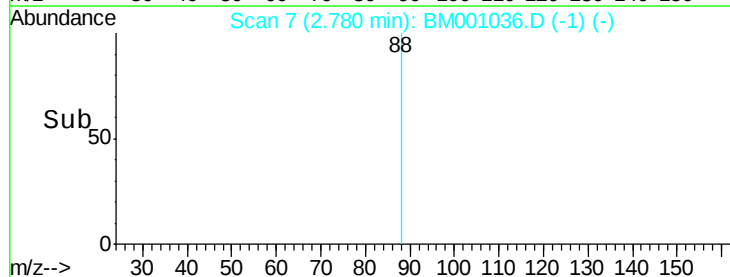
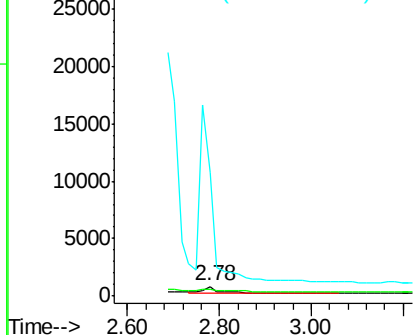


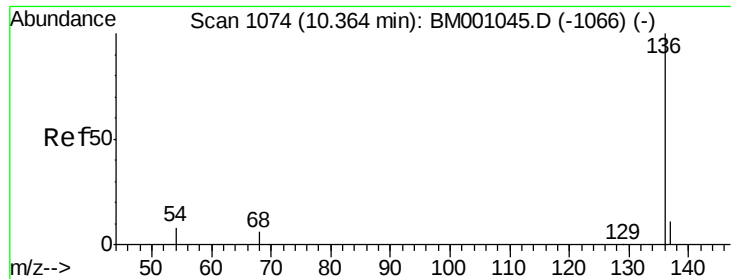
#2
 1,4-Dioxane
 Concen: 11.73 ng
 RT: 2.78 min Scan# 7
 Delta R.T. -0.30 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

Tgt Ion: 88 Resp: 1476
 Ion Ratio Lower Upper
 88 100
 58 38.1 0.0 0.0#
 43 1789.9 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM
 Ion 58.00 (57.70 to 58.70): BM
 Ion 43.00 (42.70 to 43.70): BM





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

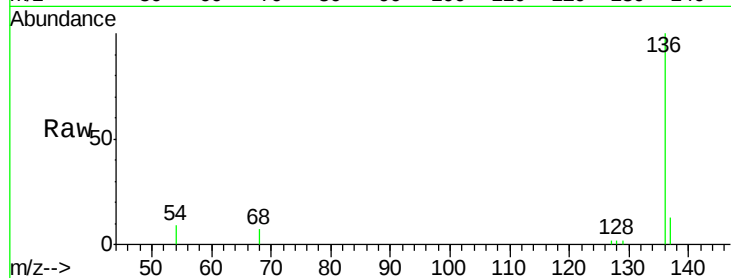
Tgt Ion: 136 Resp: 4157

Ion Ratio Lower Upper

136 100

137 13.2 8.6 13.0#

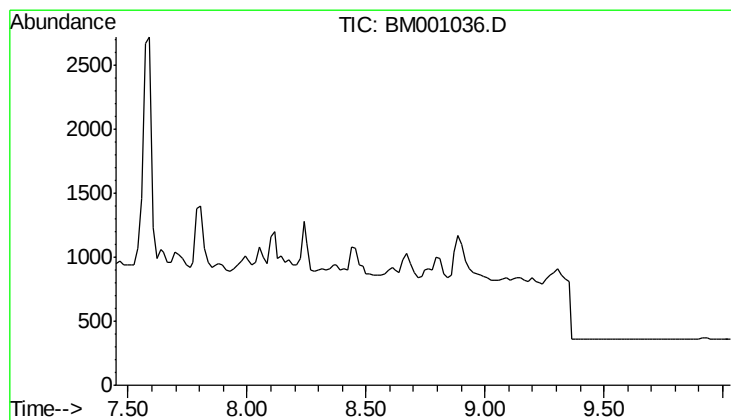
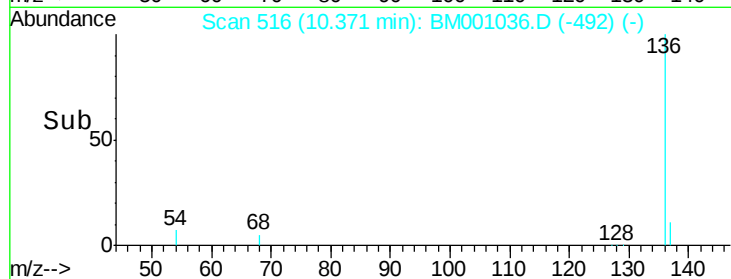
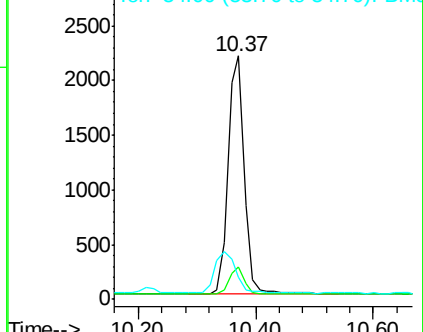
54 8.9 6.5 9.7



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



#5

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 8.74 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

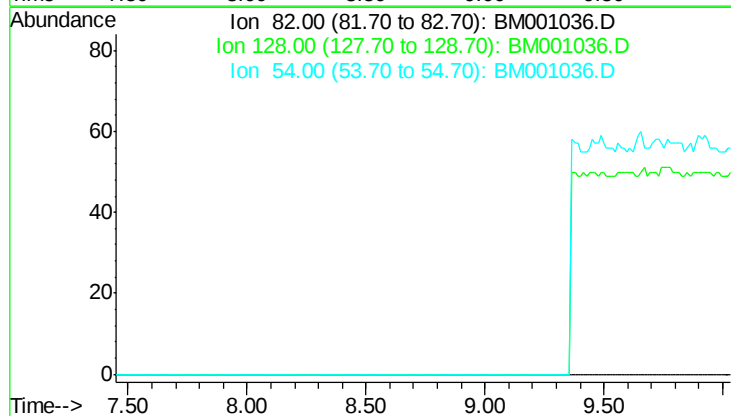
Tgt Ion: 82

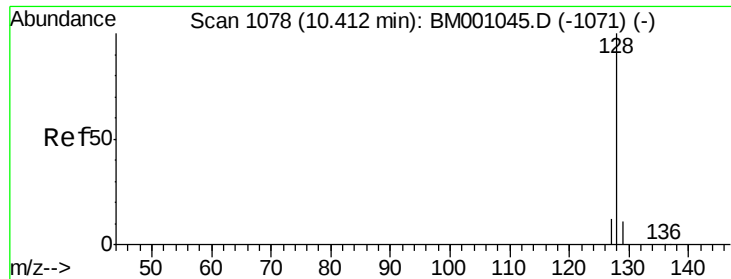
Sig Exp Ratio

82 100

128 39.9

54 64.1





#6

Naphthalene

Concen: 3.50 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

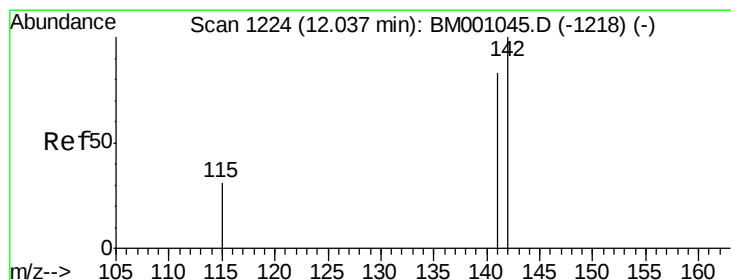
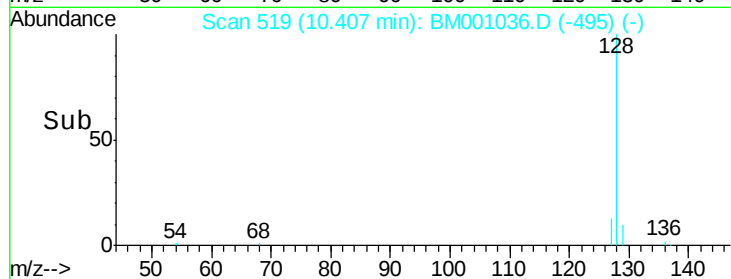
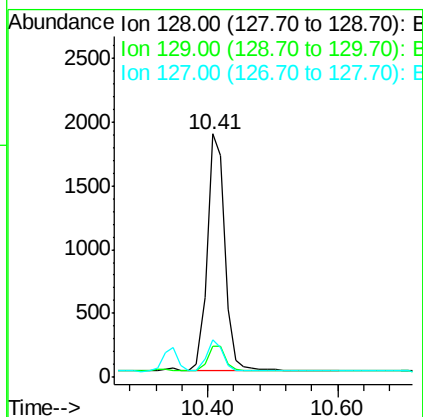
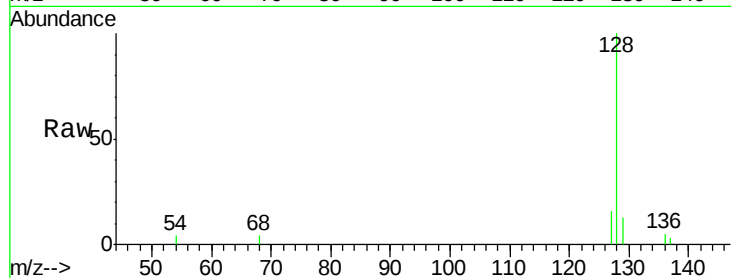
Tgt Ion:128 Resp: 3493

Ion Ratio Lower Upper

128 100

129 12.6 9.3 13.9

127 15.6 10.0 15.0#



#7

2-Methylnaphthalene

Concen: 3.40 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

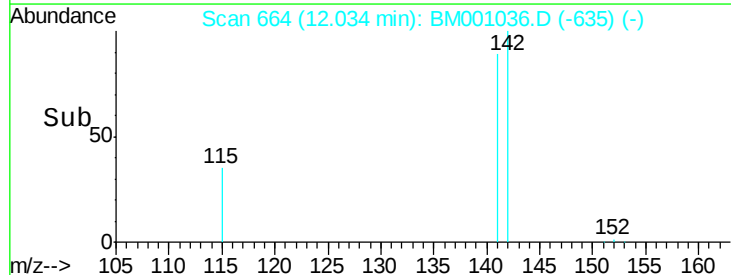
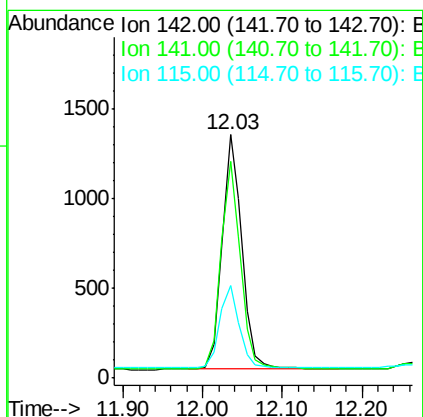
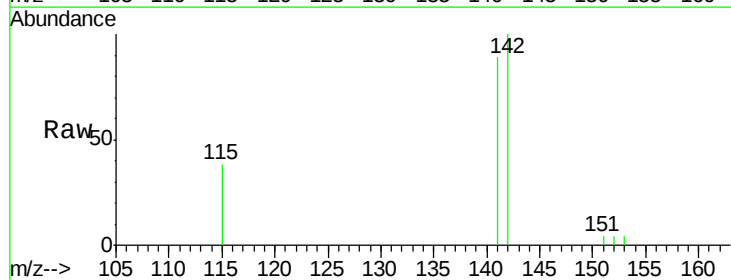
Tgt Ion:142 Resp: 2233

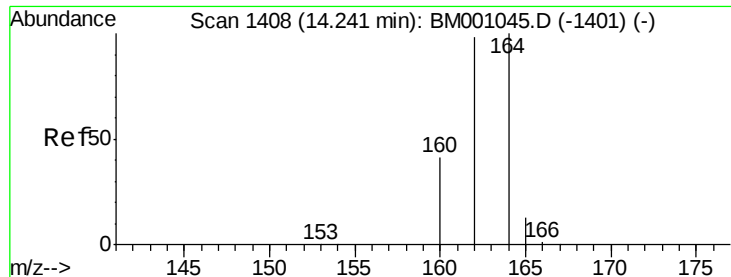
Ion Ratio Lower Upper

142 100

141 89.3 66.7 100.1

115 38.2 25.5 38.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

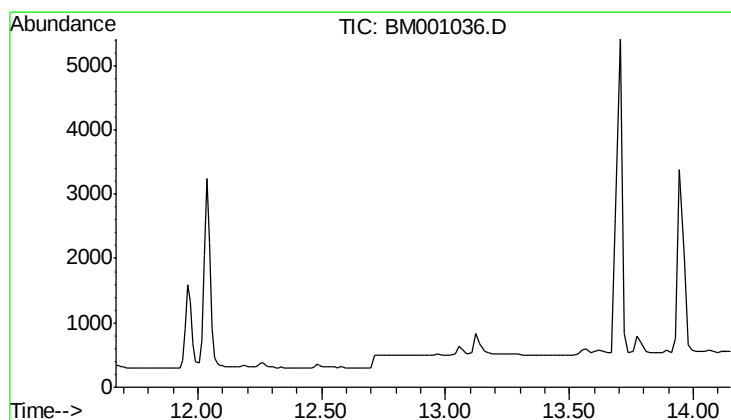
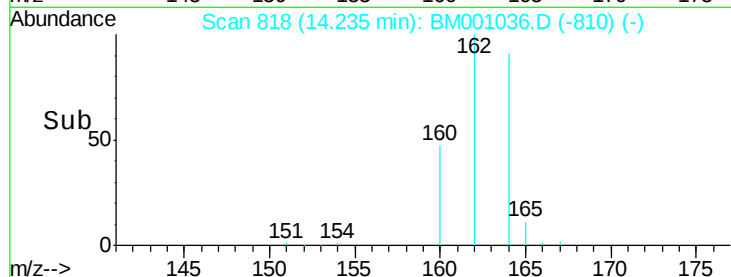
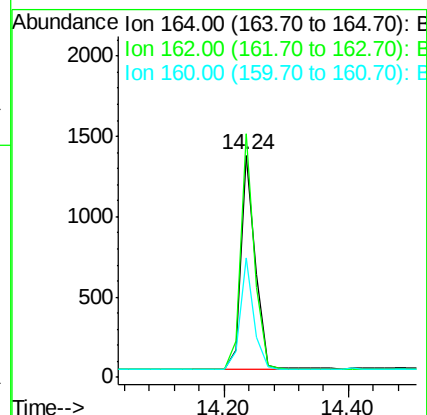
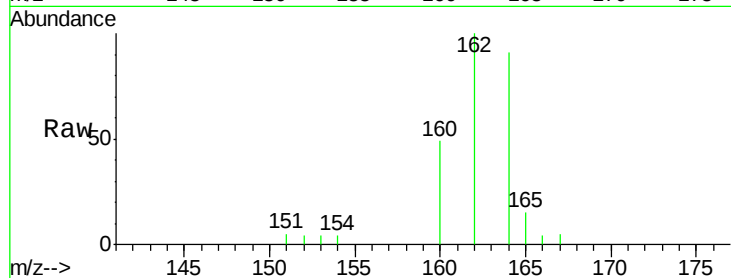
Tgt Ion:164 Resp: 2159

Ion Ratio Lower Upper

164 100

162 109.7 78.5 117.7

160 53.8 32.9 49.3#



#9

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 12.86 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

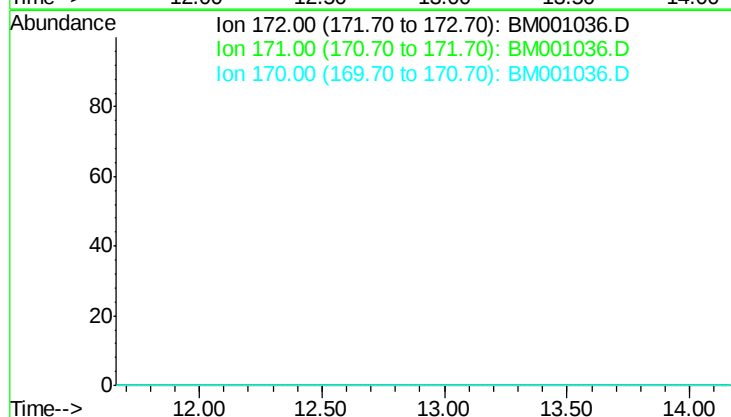
Tgt Ion: 172

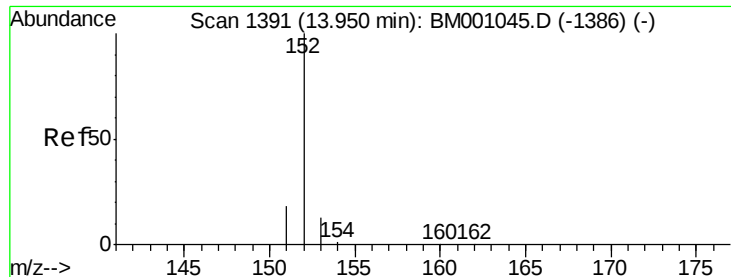
Sig Exp Ratio

172 100

171 32.0

170 19.7





#10

Acenaphthylene

Concen: 3.13 ng

RT: 13.94 min Scan# 801

Delta R.T. -0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

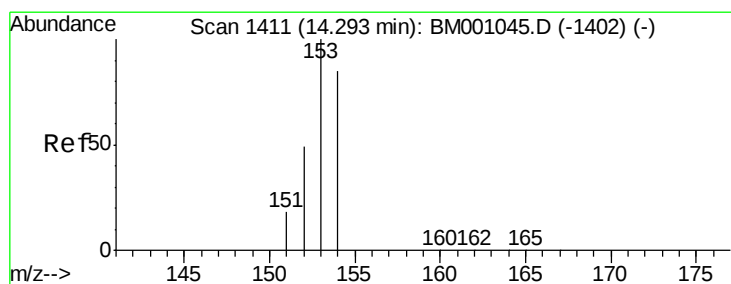
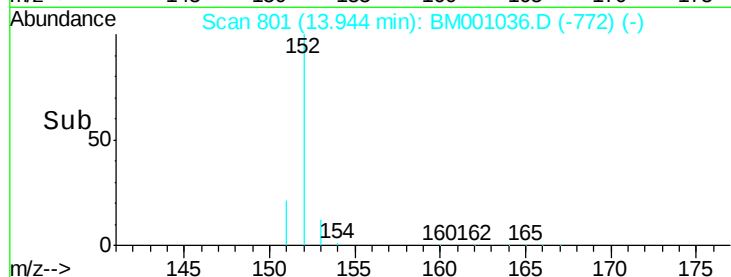
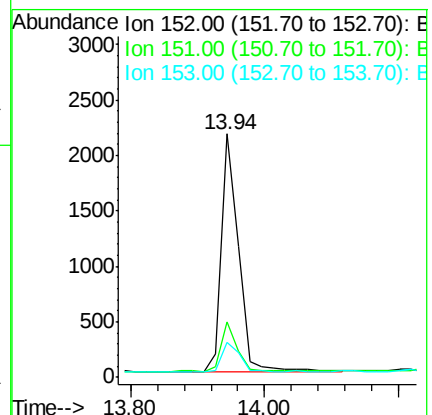
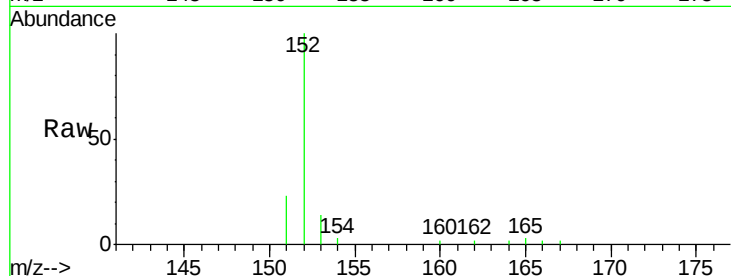
Tgt Ion:152 Resp: 3769

Ion Ratio Lower Upper

152 100

151 20.5 14.7 22.1

153 13.0 10.2 15.2



#11

Acenaphthene

Concen: 0.07 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

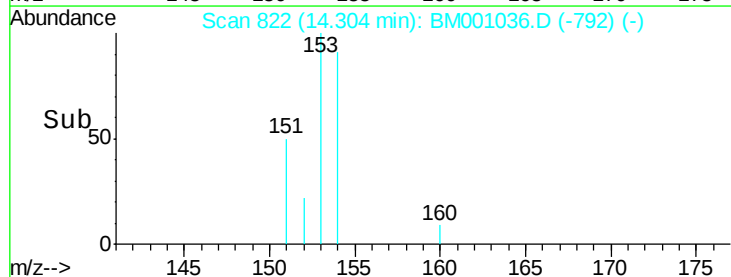
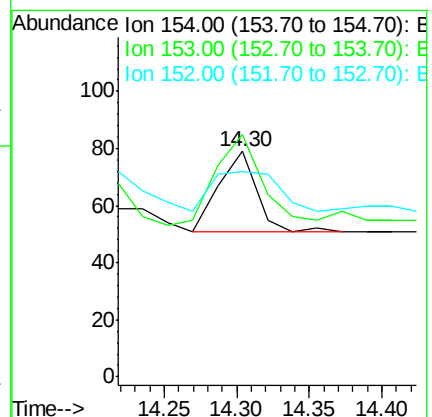
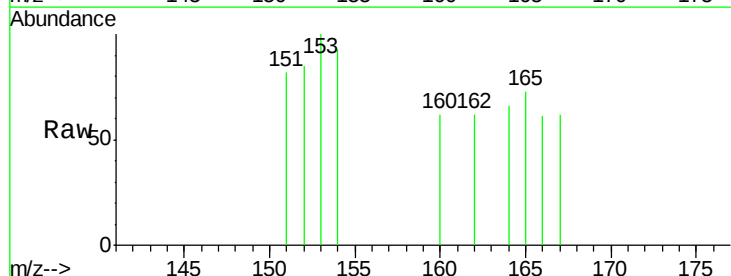
Tgt Ion:154 Resp: 50

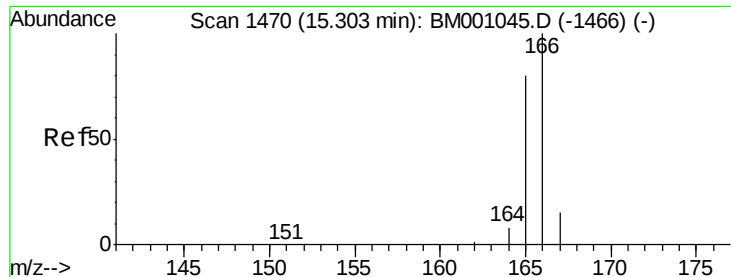
Ion Ratio Lower Upper

154 100

153 146.0 88.1 132.1#

152 0.0 42.3 63.5#





#12

Fluorene

Concen: 4.77 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

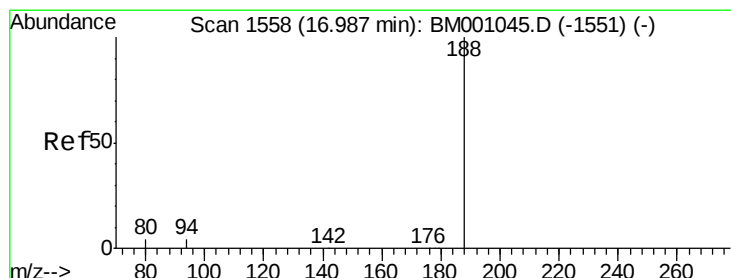
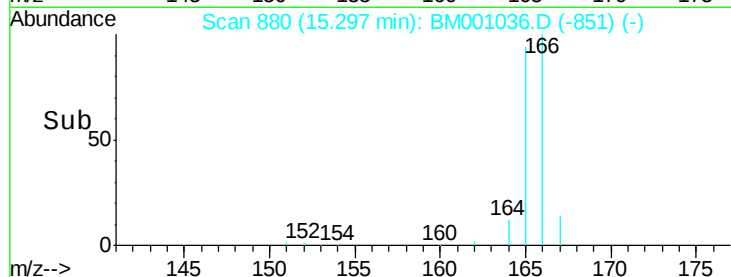
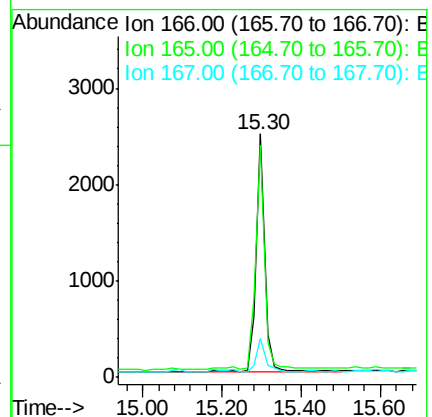
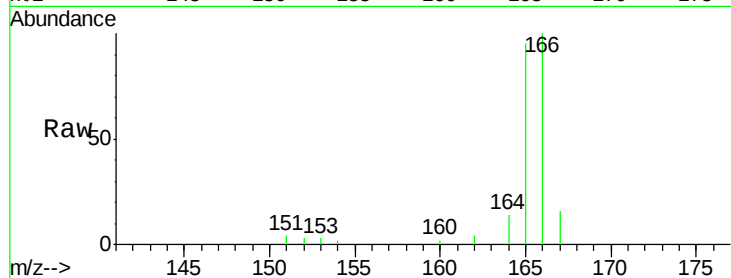
Tgt Ion:166 Resp: 3758

Ion Ratio Lower Upper

166 100

165 94.4 77.6 116.4

167 14.4 10.6 16.0



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 985

Delta R.T. -0.00 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

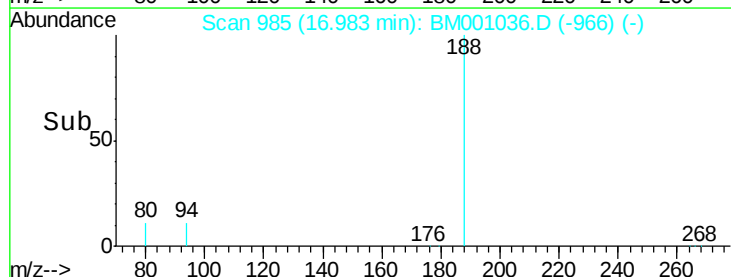
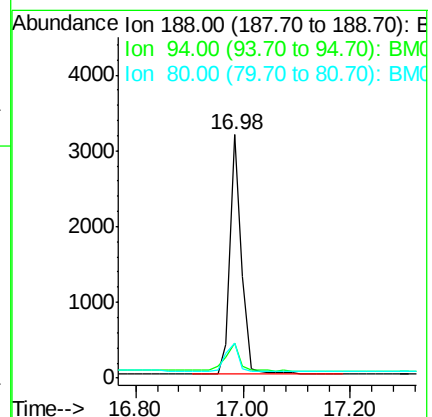
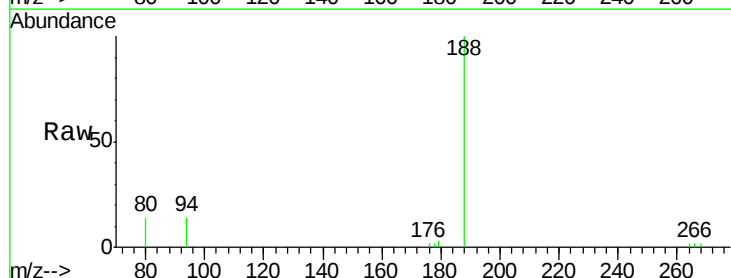
Tgt Ion:188 Resp: 4679

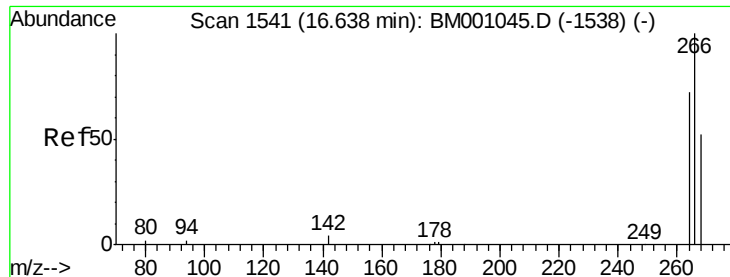
Ion Ratio Lower Upper

188 100

94 14.2 3.6 5.4#

80 14.1 3.0 4.6#

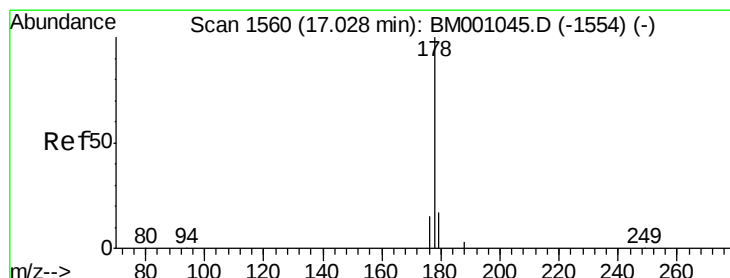
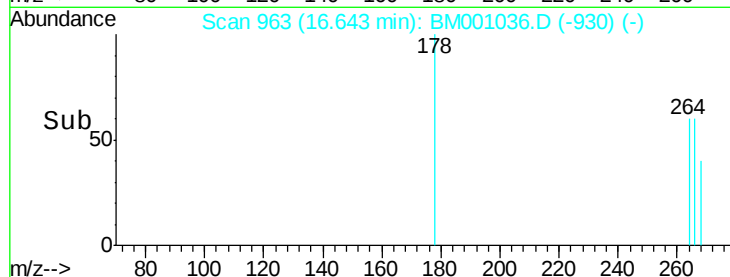
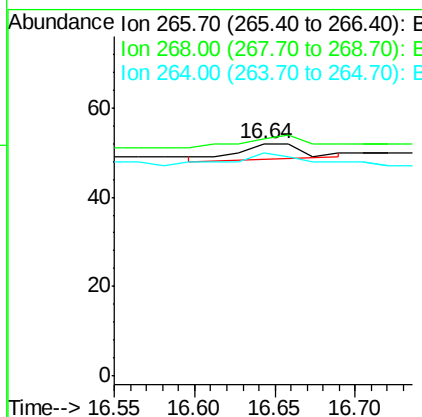
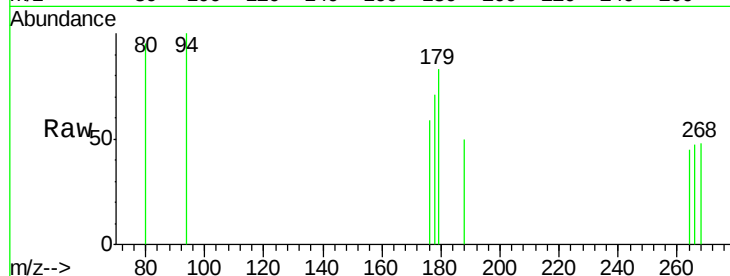




#15
 Pentachlorophenol
 Concen: 0.43 ng
 RT: 16.64 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

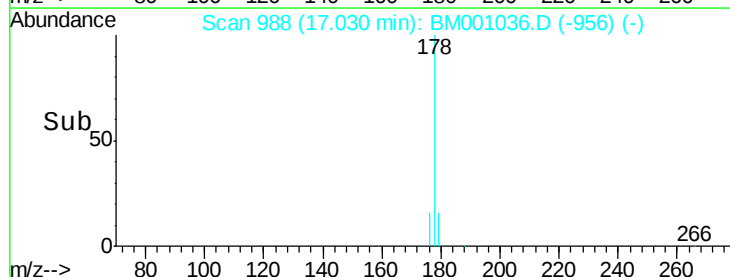
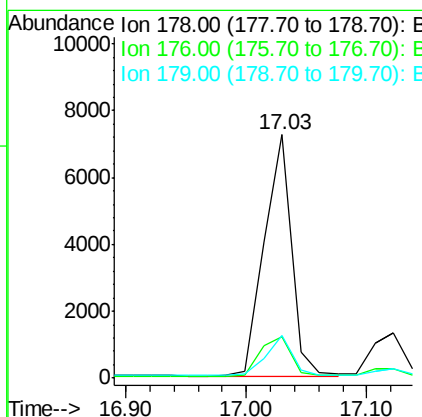
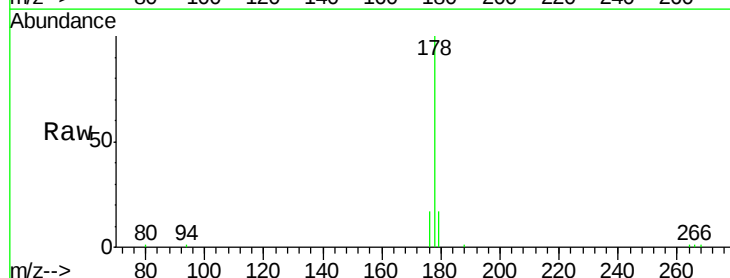
Instrument :
 BNA_M
 ClientSampleId :
 X1N67

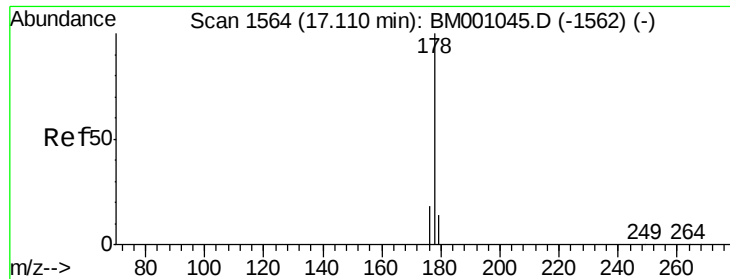
Tgt Ion: 266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 101.9 46.3 69.5#
 264 96.2 59.8 89.6#



#16
 Phenanthrene
 Concen: Below Cal
 RT: 17.03 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

Tgt Ion: 178 Resp: 11341
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 16.0 12.6 19.0





#17

Anthracene

Concen: 2.41 ng

RT: 17.12 min Scan# 994

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

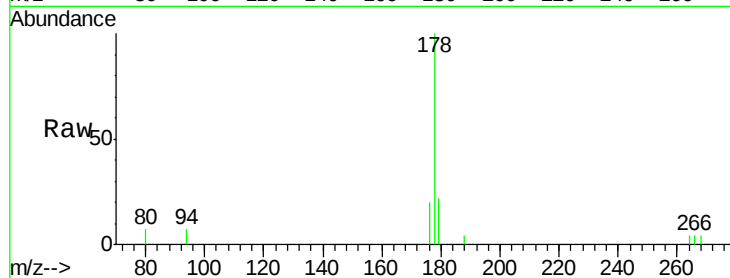
Tgt Ion:178 Resp: 2636

Ion Ratio Lower Upper

178 100

176 16.8 14.3 21.5

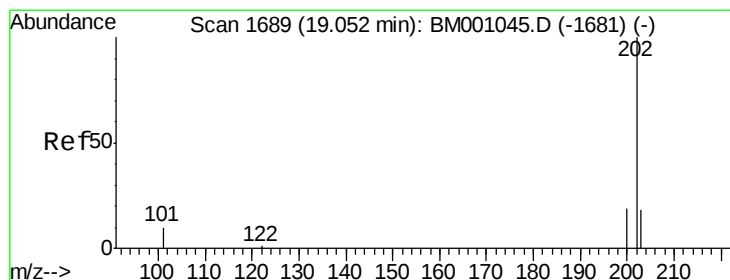
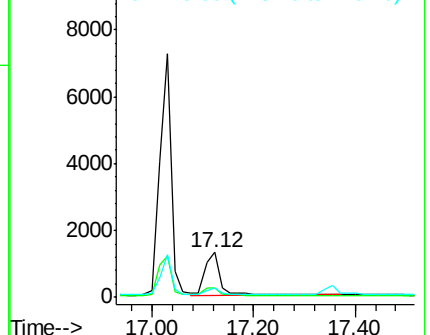
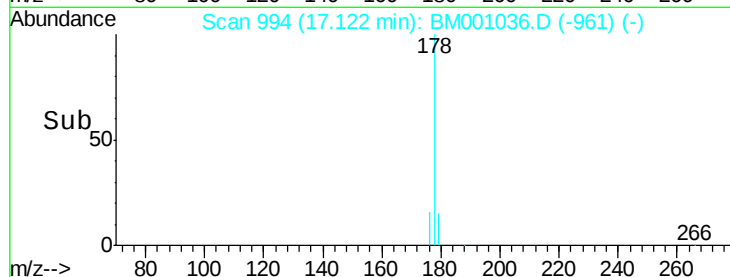
179 13.7 11.8 17.8



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



#18

Fluoranthene

Concen: 6.48 ng

RT: 19.06 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

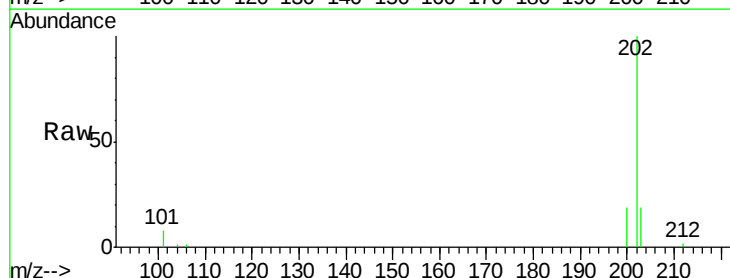
Tgt Ion:202 Resp: 8012

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

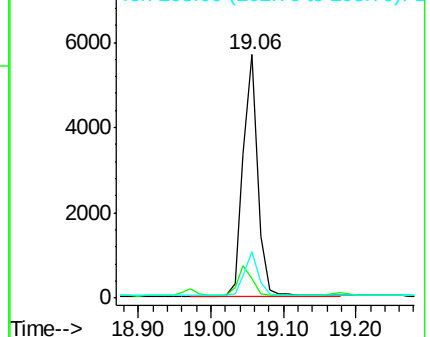
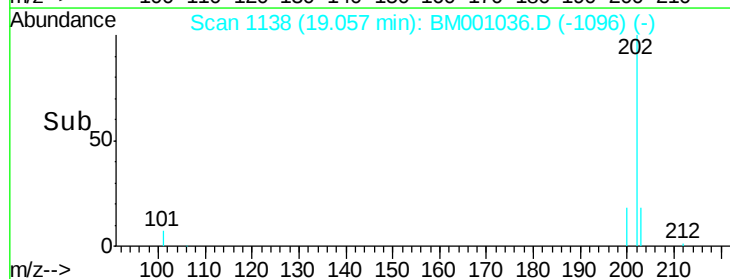
203 17.6 13.8 20.8

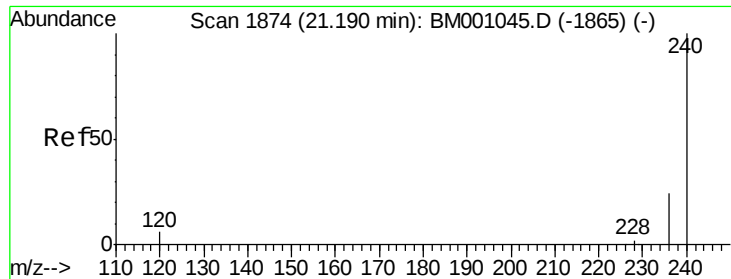


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.19 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

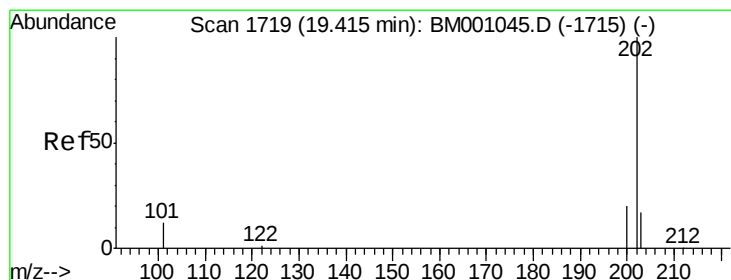
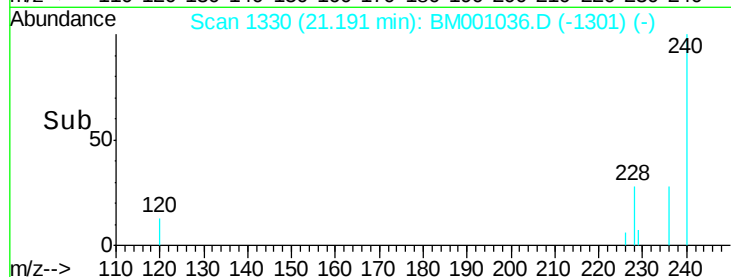
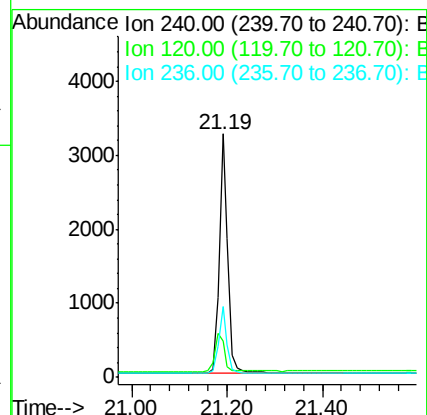
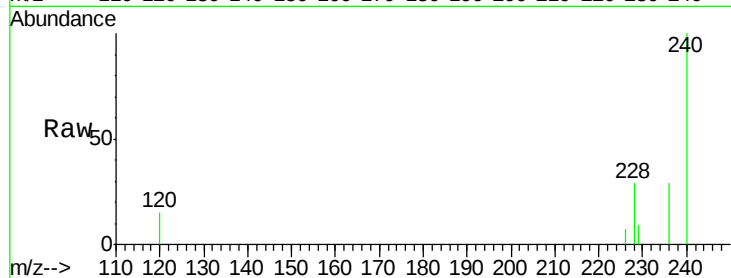
Tgt Ion:240 Resp: 4225

Ion Ratio Lower Upper

240 100

120 15.0 4.6 6.8#

236 29.1 19.1 28.7#



#20

Pyrene

Concen: Below Cal

RT: 19.42 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

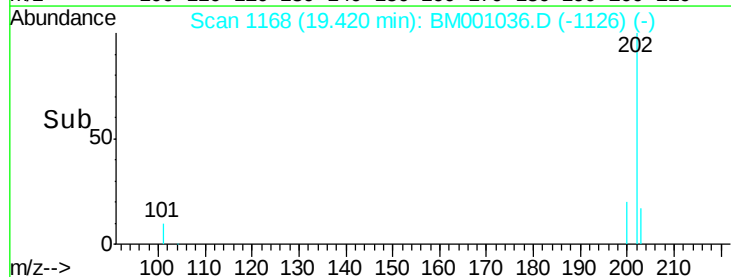
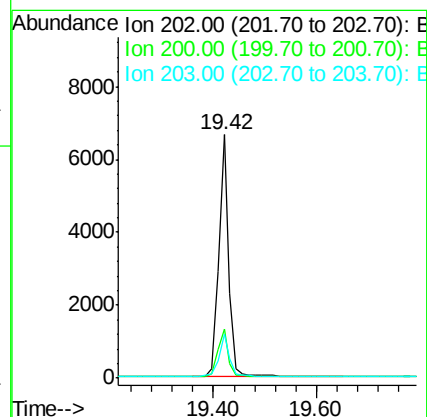
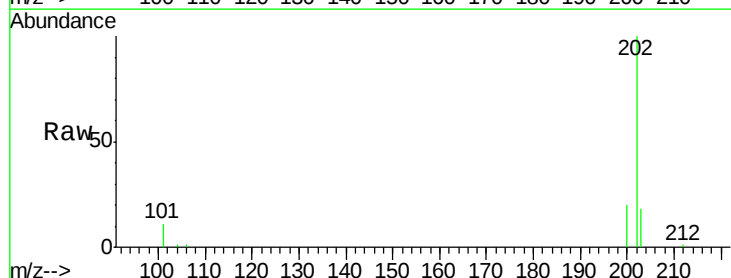
Tgt Ion:202 Resp: 9008

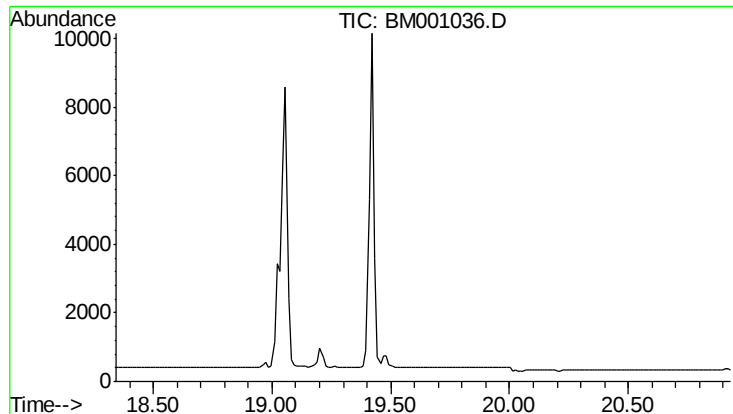
Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

203 17.9 13.8 20.6





#21

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 19.63 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

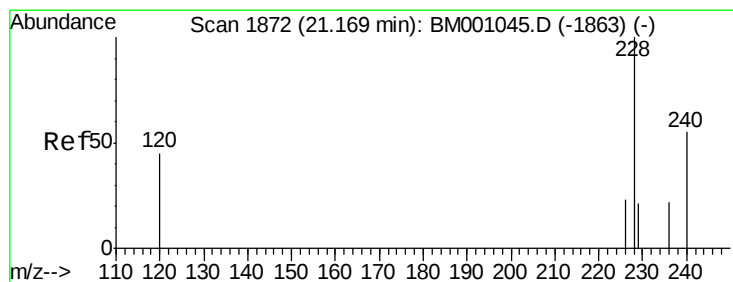
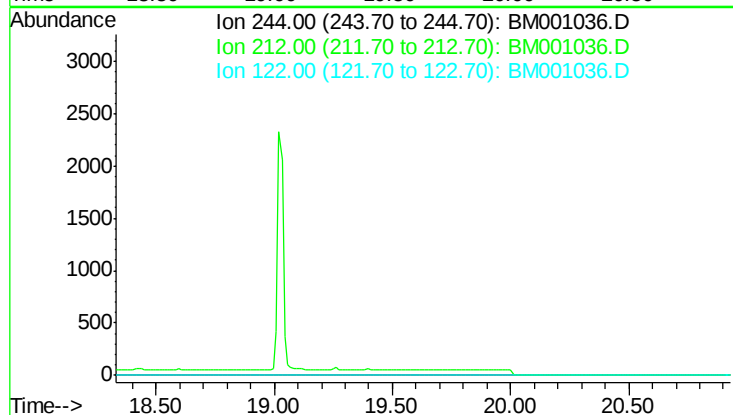
Tgt Ion: 244

Sig Exp Ratio

244 100

212 8.9

122 7.4



#22

Benzo(a)anthracene

Concen: Below Cal

RT: 21.17 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

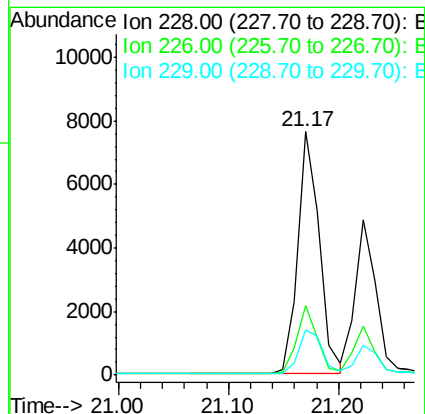
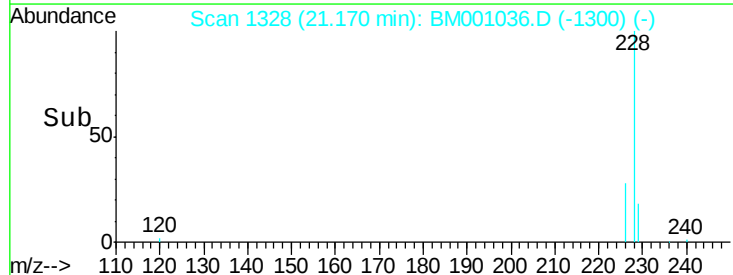
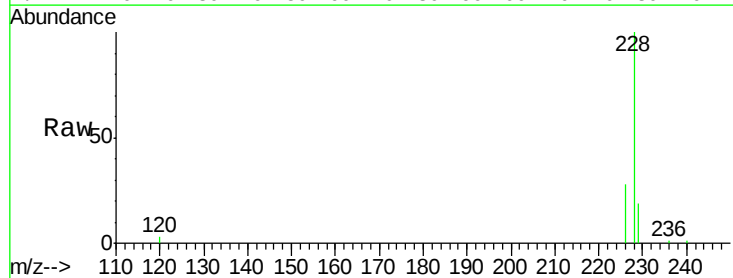
Tgt Ion: 228 Resp: 10239

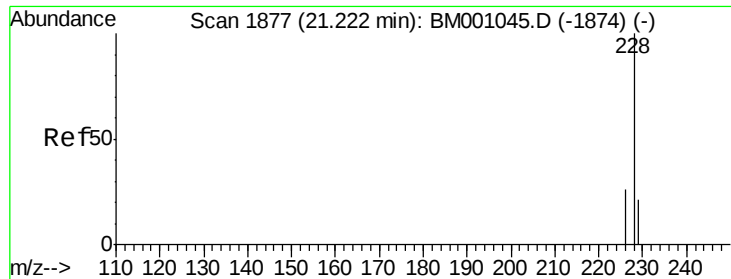
Ion Ratio Lower Upper

228 100

226 28.4 19.0 28.6

229 18.8 16.8 25.2





#23

Chrysene

Concen: Below Cal

RT: 21.17 min Scan# 1328

Delta R.T. -0.05 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

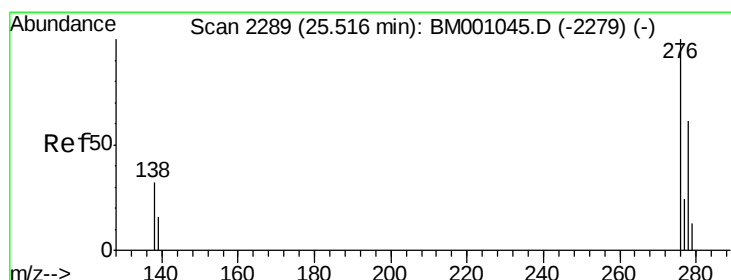
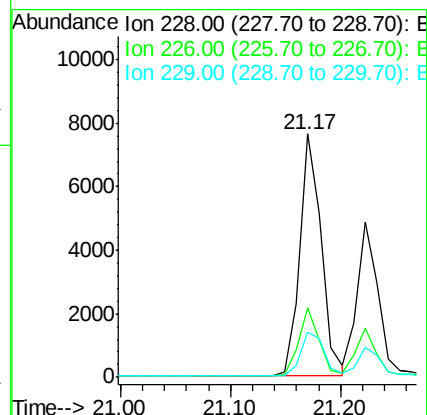
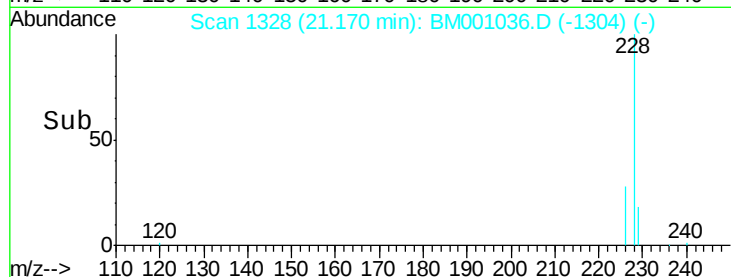
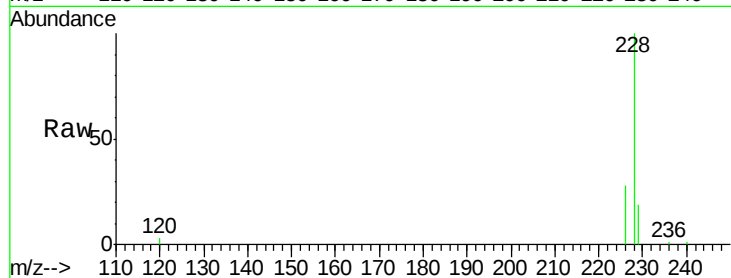
Tgt Ion:228 Resp: 10239

Ion Ratio Lower Upper

228 100

226 28.4 20.6 31.0

229 18.8 17.2 25.8



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.11 ng

RT: 25.53 min Scan# 1746

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

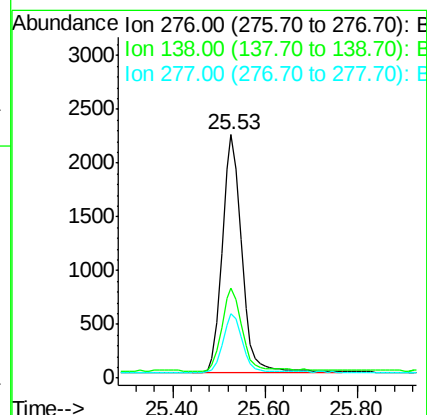
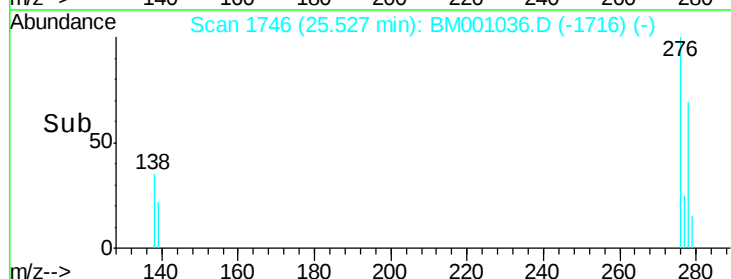
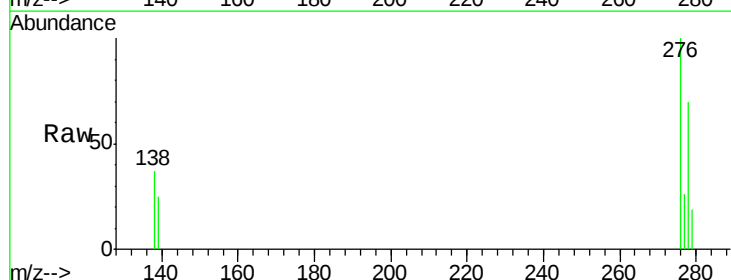
Tgt Ion:276 Resp: 6575

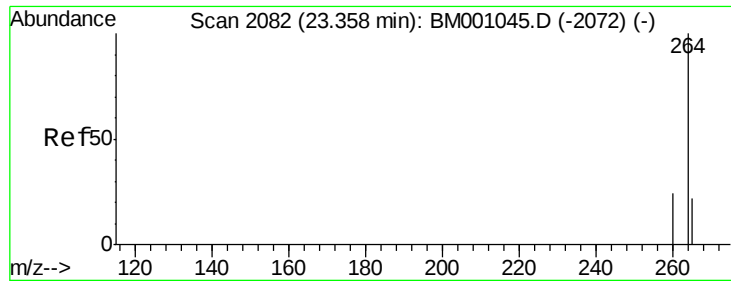
Ion Ratio Lower Upper

276 100

138 36.5 26.3 39.5

277 24.8 19.5 29.3

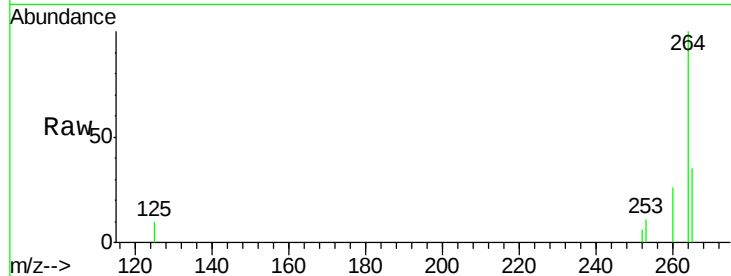




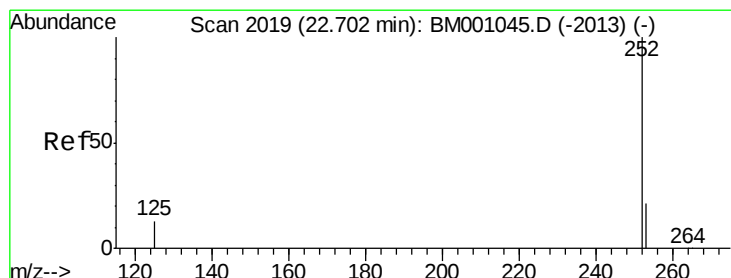
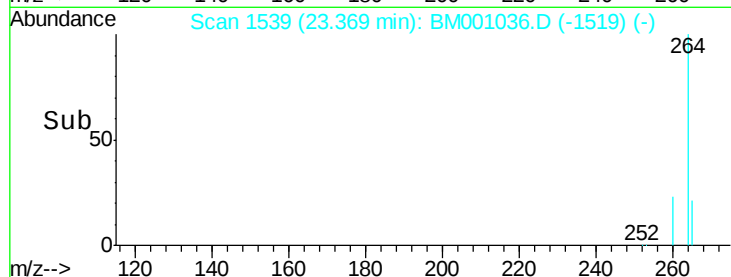
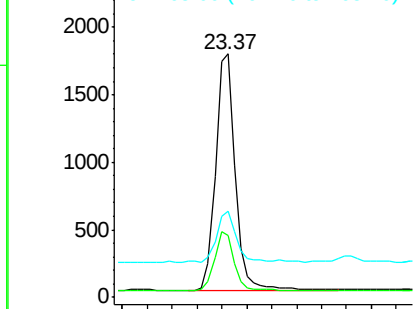
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.37 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

Instrument :
 BNA_M
 ClientSampleId :
 X1N67

Tgt Ion: 264 Resp: 3798
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.0 28.6
 265 35.2 17.9 26.9#

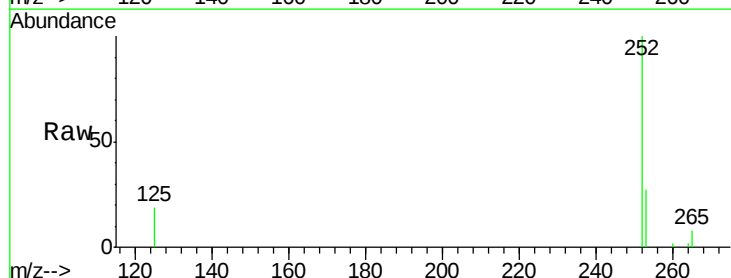


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

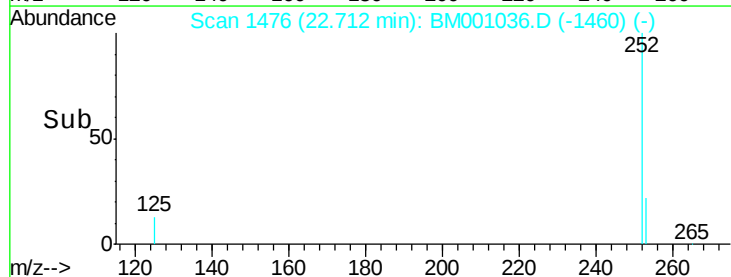
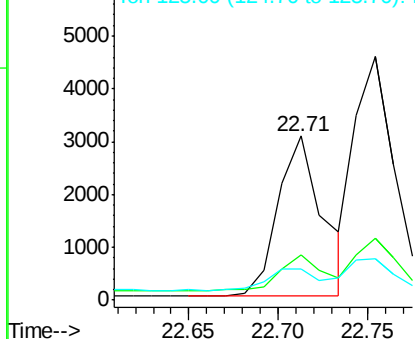


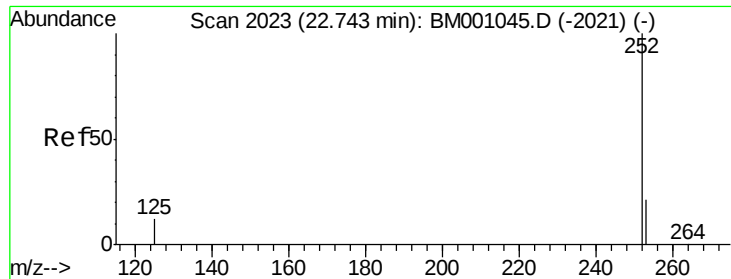
#26
 Benzo(b)fluoranthene
 Concen: 3.98 ng
 RT: 22.71 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: BM001036.D
 Acq: 17 Apr 2015 17:36

Tgt Ion: 252 Resp: 5242
 Ion Ratio Lower Upper
 252 100
 253 27.4 18.2 27.2#
 125 18.7 10.9 16.3#



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





#27

Benzo(k)fluoranthene

Concen: Below Cal

RT: 22.75 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

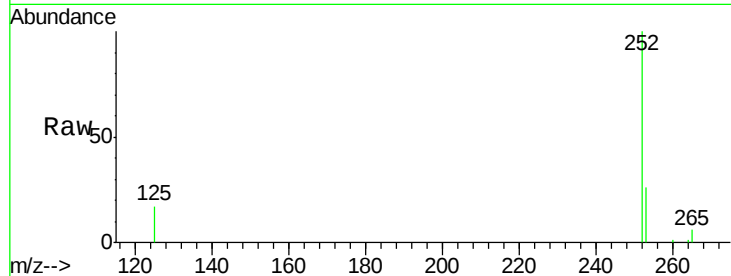
Tgt Ion:252 Resp: 7483

Ion Ratio Lower Upper

252 100

253 25.6 18.3 27.5

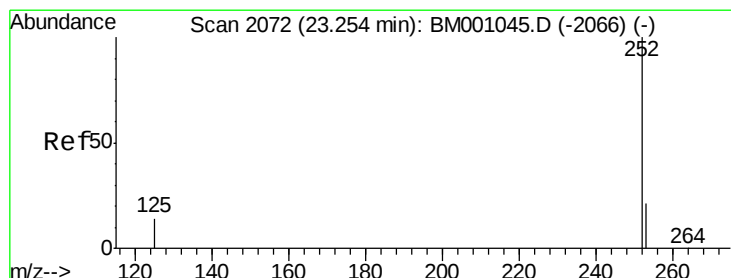
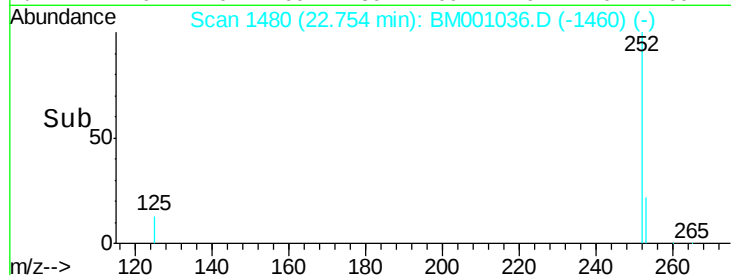
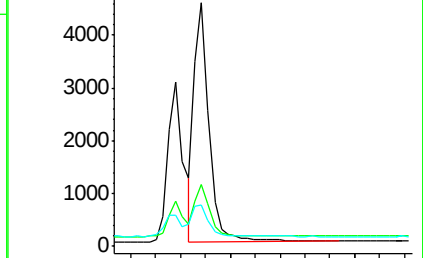
125 17.0 10.6 15.8#



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



#28

Benzo(a)pyrene

Concen: 0.20 ng

RT: 23.25 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

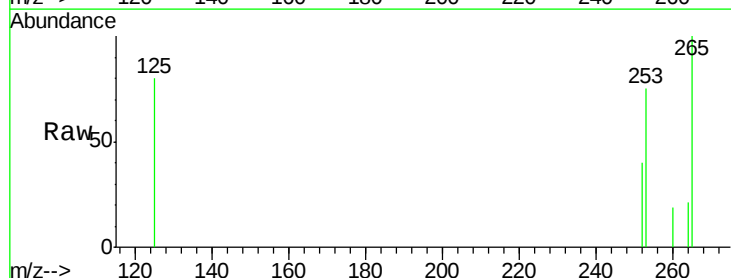
Tgt Ion:252 Resp: 25

Ion Ratio Lower Upper

252 100

253 189.4 18.6 27.8#

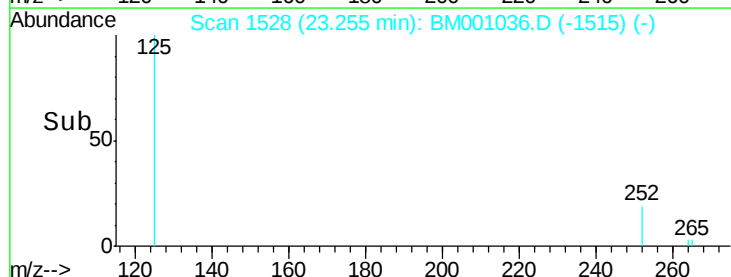
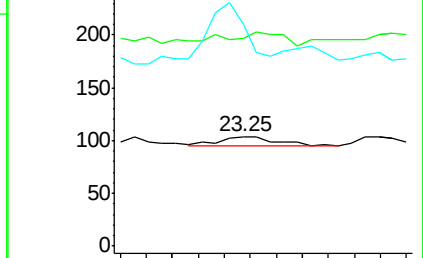
125 201.9 11.9 17.9#

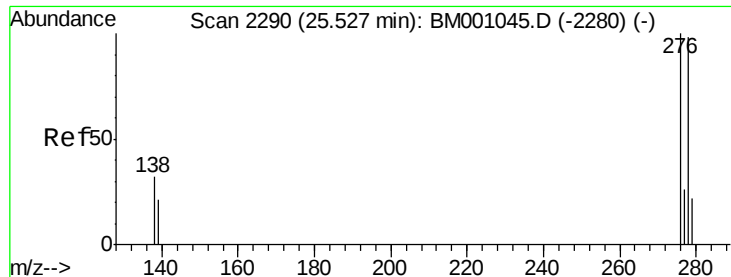


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 6.29 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

Instrument :

BNA_M

ClientSampleId :

X1N67

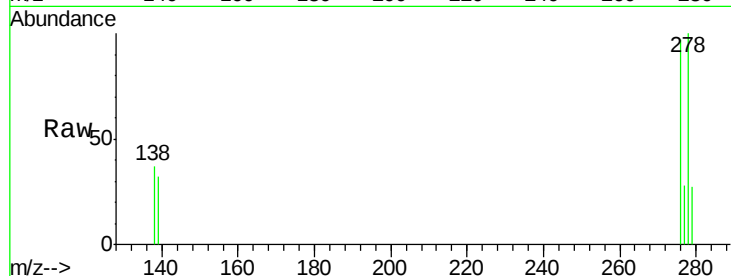
Tgt Ion:278 Resp: 5865

Ion Ratio Lower Upper

278 100

139 32.2 18.2 27.2#

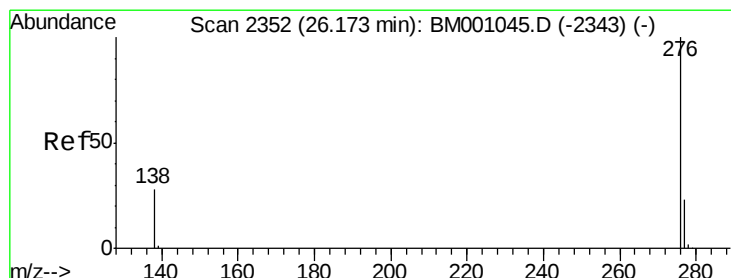
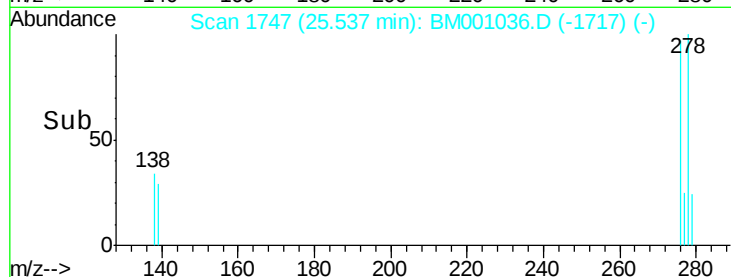
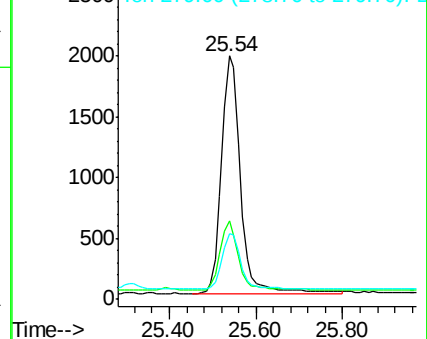
279 27.2 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: Below Cal

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001036.D

Acq: 17 Apr 2015 17:36

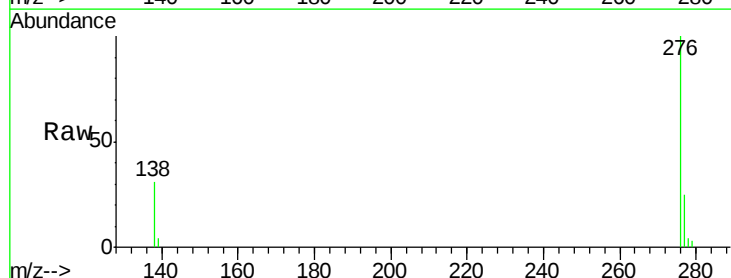
Tgt Ion:276 Resp: 8911

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 30.9 23.4 35.2



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

