

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001037.D
 Acq On : 17 Apr 2015 18:24
 Operator : TP/IZ
 Sample : G1749-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1N62

Quant Time: Apr 20 08:51:06 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	1494	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	5458	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2775	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5997	5.00	ng	0.00
19) Chrysene-d12	21.19	240	5205	5.00	ng	0.00
25) Perylene-d12	23.37	264	4678	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
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

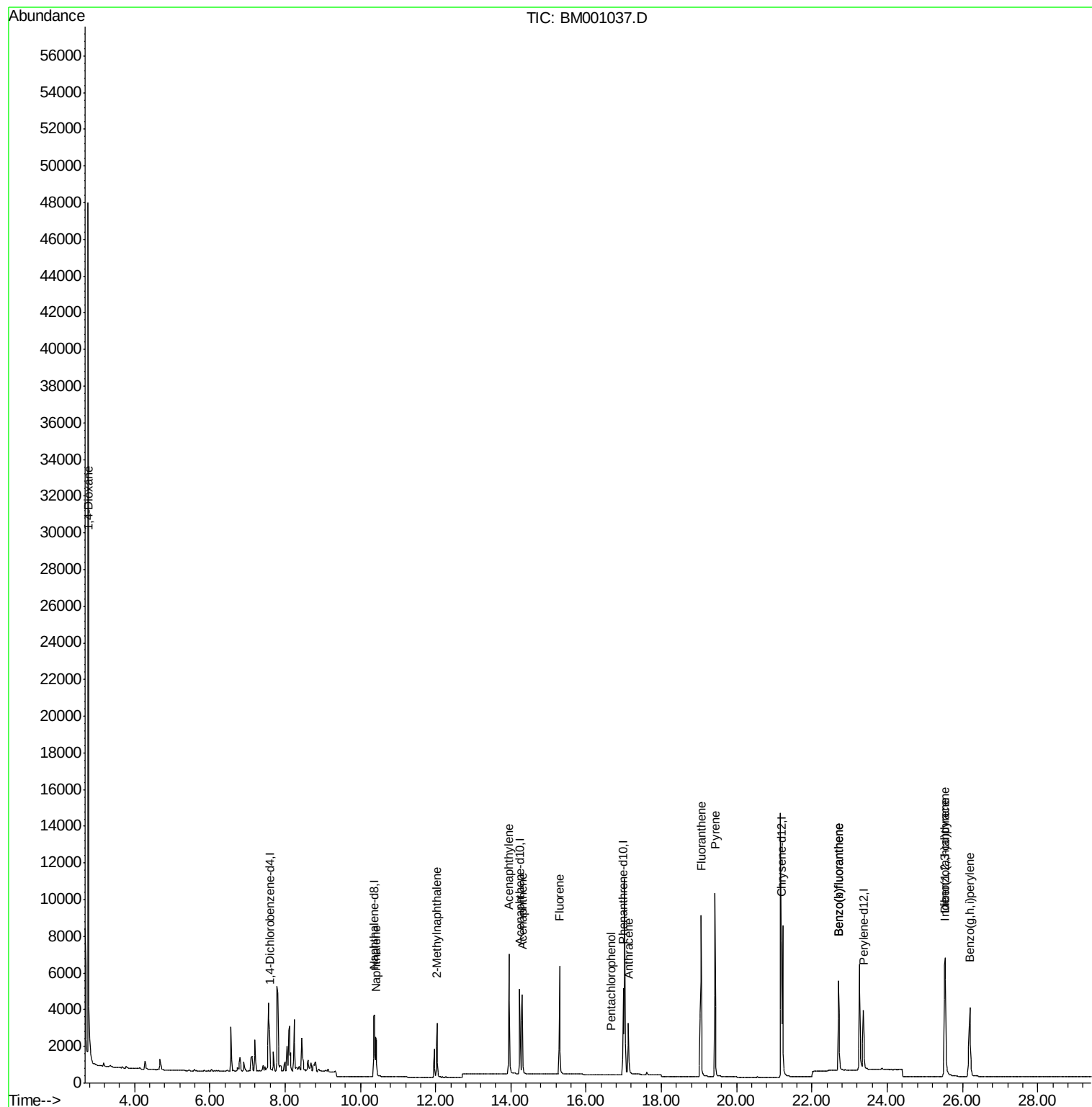
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.78	88	5176	31.49	ng	# 100
6) Naphthalene	10.41	128	3401	2.60	ng	# 93
7) 2-Methylnaphthalene	12.03	142	2444	2.84	ng	# 91
10) Acenaphthylene	13.94	152	9392	5.85	ng	99
11) Acenaphthene	14.30	154	2827	3.24	ng	98
12) Fluorene	15.30	166	4072	4.02	ng	99
15) Pentachlorophenol	16.66	266	10	0.41	ng	# 60
16) Phenanthrene	17.03	178	12541	Below Cal		99
17) Anthracene	17.12	178	4032	2.88	ng	99
18) Fluoranthene	19.06	202	8344	5.27	ng	100
20) Pyrene	19.42	202	9357	5.92	ng	99
22) Benzo(a)anthracene	21.17	228	13114	Below Cal		92
23) Chrysene	21.17	228	13114	Below Cal		94
24) Indeno(1,2,3-cd)pyrene	25.53	276	7515	4.55	ng	99
26) Benzo(b)fluoranthene	22.71	252	6141	3.72	ng	95
27) Benzo(k)fluoranthene	22.71	252	6141	4.01	ng	95
28) Benzo(a)pyrene	23.26	252	8768	Below Cal		97
29) Dibenzo(a,h)anthracene	25.54	278	6444	5.05	ng	95
30) Benzo(g,h,i)perylene	26.19	276	7924	7.26	ng	98

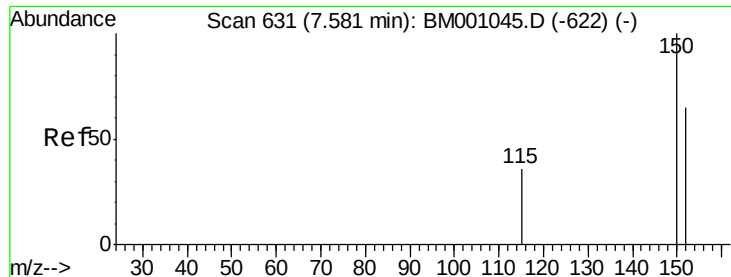
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

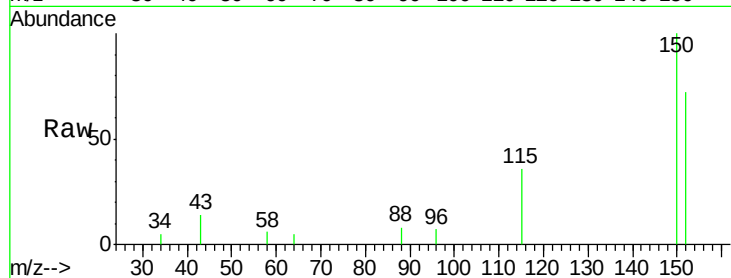
Tgt Ion: 152 Resp: 1494

Ion Ratio Lower Upper

152 100

150 139.8 123.3 184.9

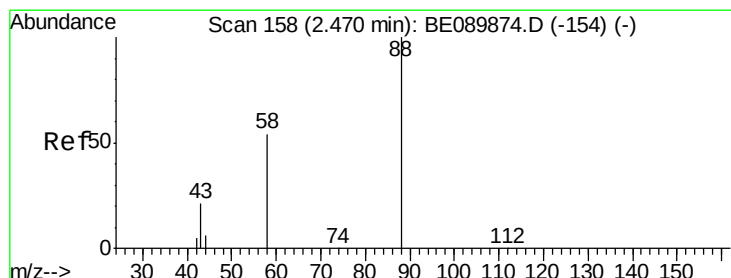
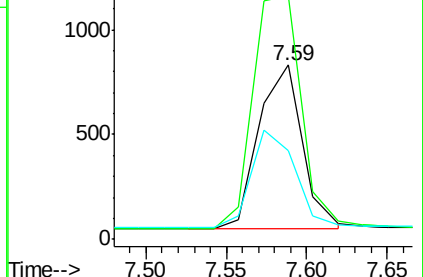
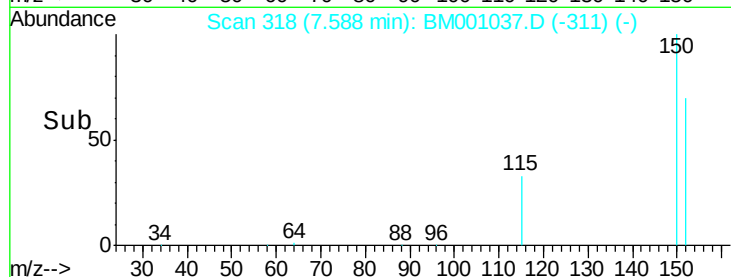
115 50.7 45.0 67.6



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: 31.49 ng

RT: 2.78 min Scan# 7

Delta R.T. -0.30 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

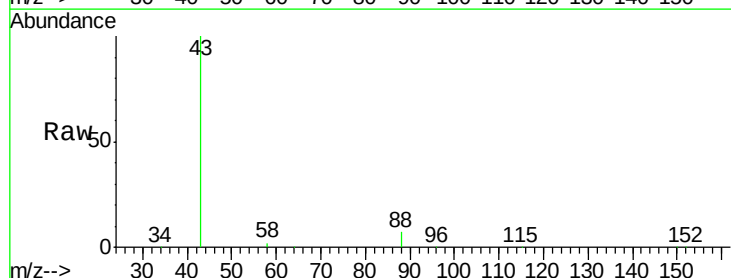
Tgt Ion: 88 Resp: 5176

Ion Ratio Lower Upper

88 100

58 13.4 0.0 0.0#

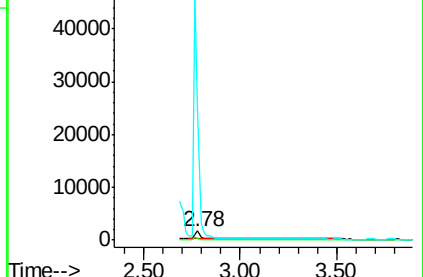
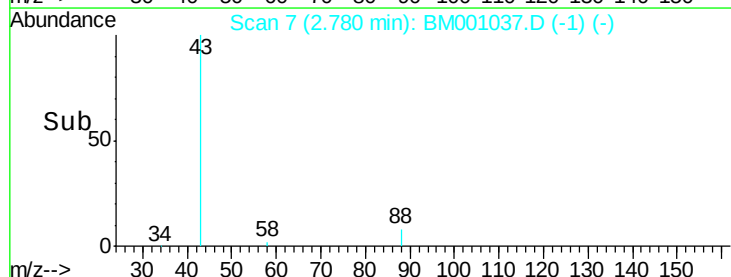
43 1388.8 0.0 0.0#

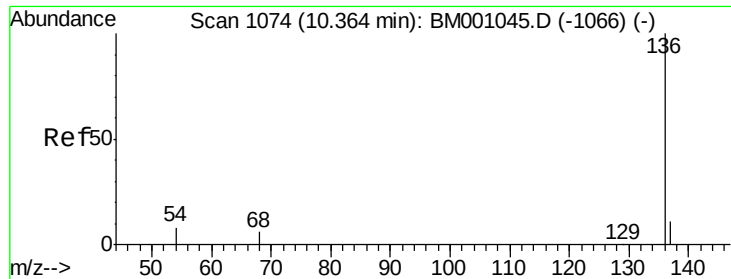


Abundance Ion 88.00 (87.70 to 88.70): BM

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: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

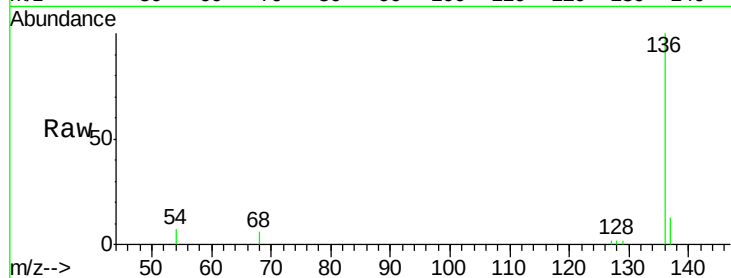
Tgt Ion:136 Resp: 5458

Ion Ratio Lower Upper

136 100

137 12.9 8.6 13.0

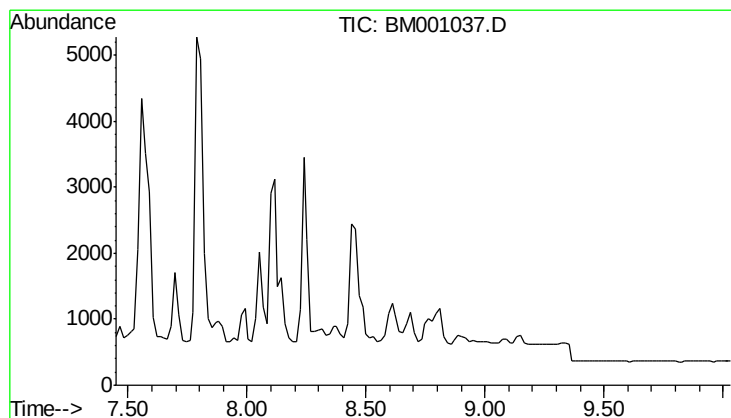
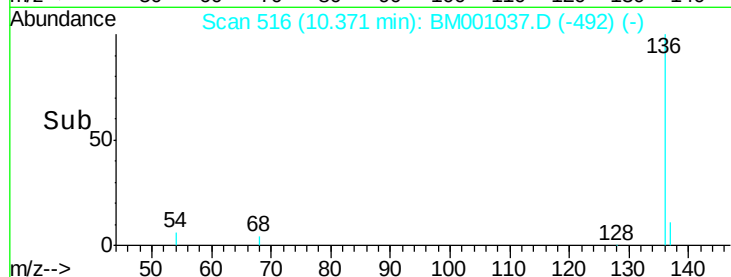
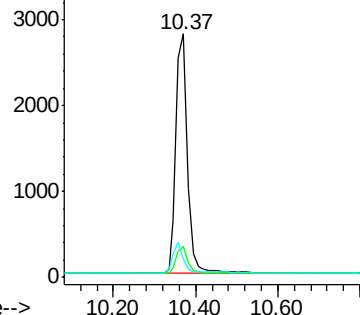
54 7.5 6.5 9.7



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: BM001037.D

Acq: 17 Apr 2015 18:24

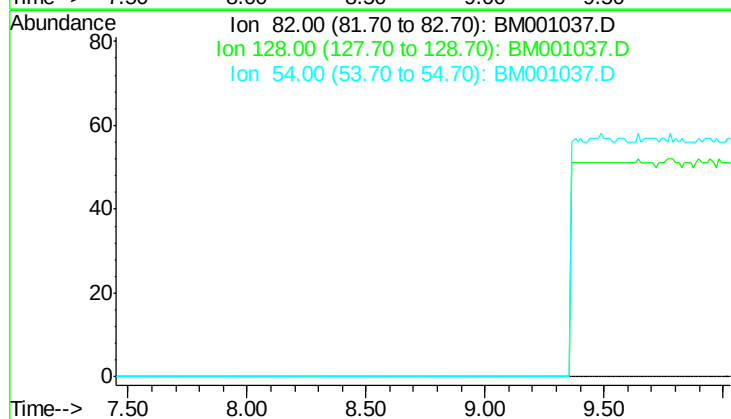
Tgt Ion: 82

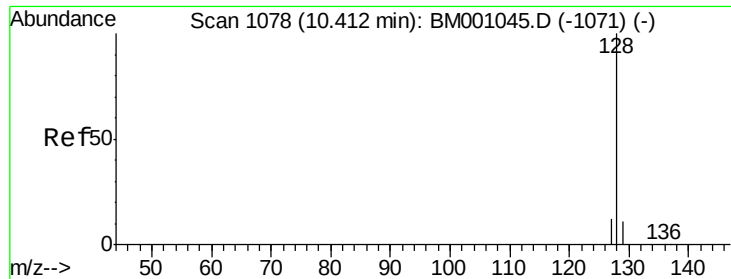
Sig Exp Ratio

82 100

128 39.9

54 64.1





#6

Naphthalene

Concen: 2.60 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

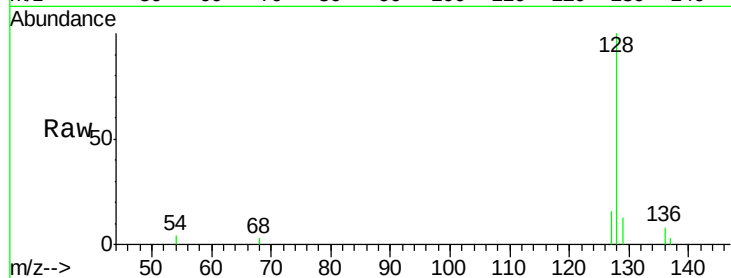
Tgt Ion:128 Resp: 3401

Ion Ratio Lower Upper

128 100

129 13.0 9.3 13.9

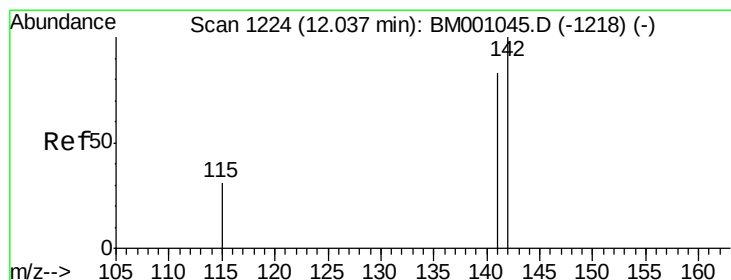
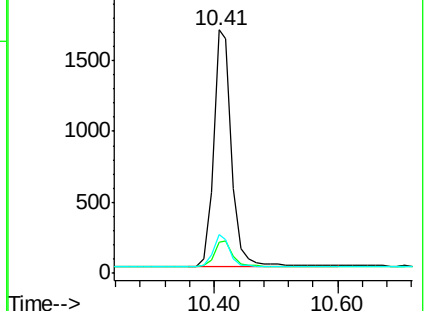
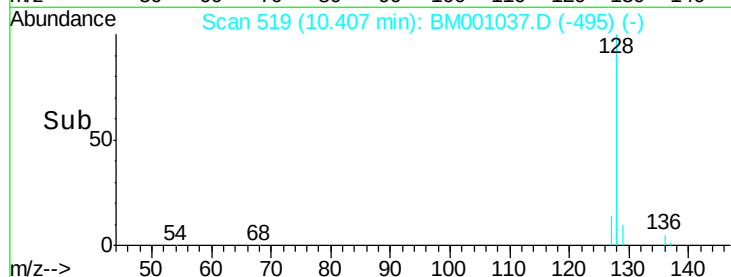
127 16.1 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 2.84 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

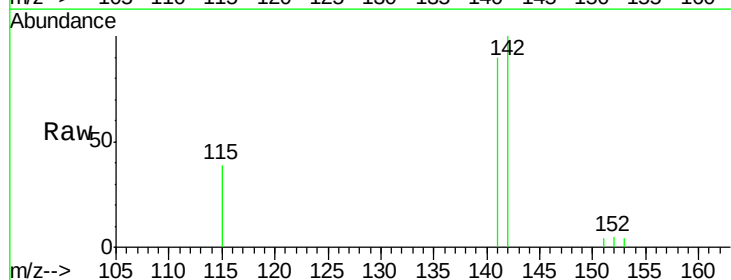
Tgt Ion:142 Resp: 2444

Ion Ratio Lower Upper

142 100

141 90.2 66.7 100.1

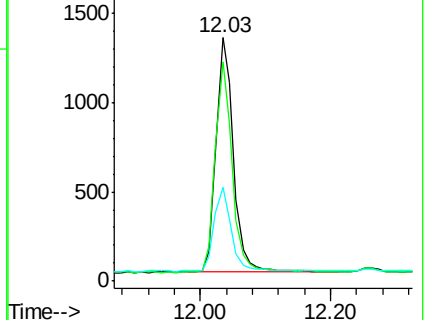
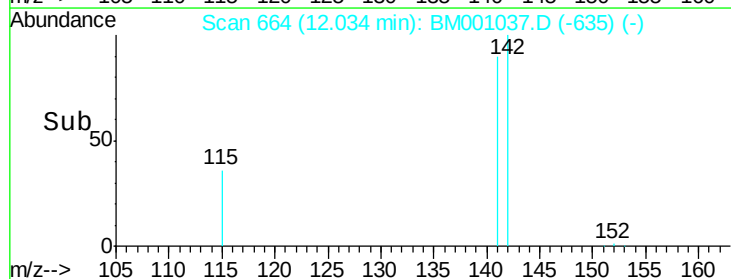
115 38.6 25.5 38.3#

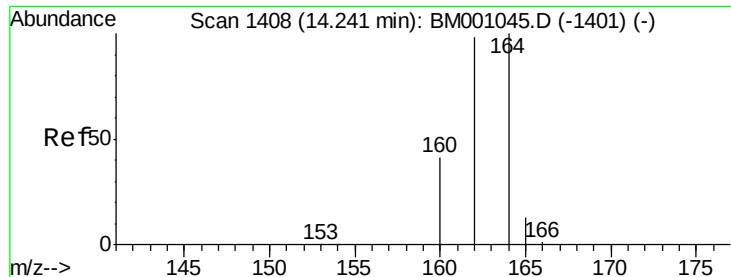


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

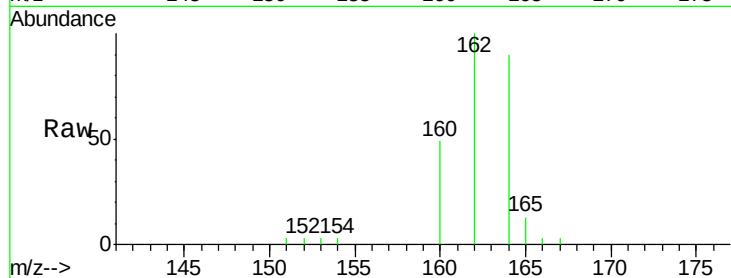
Tgt Ion:164 Resp: 2775

Ion Ratio Lower Upper

164 100

162 110.6 78.5 117.7

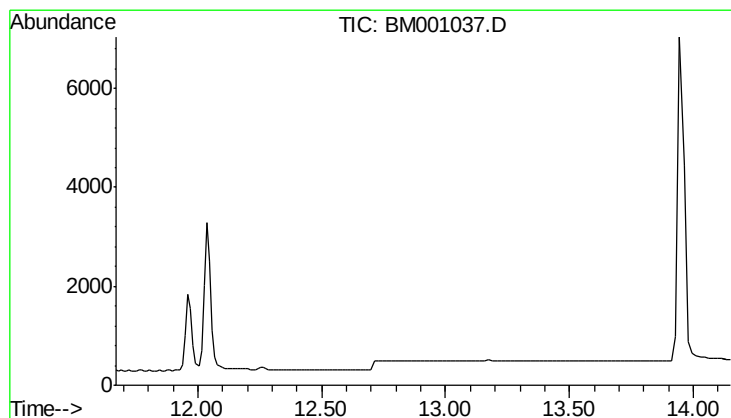
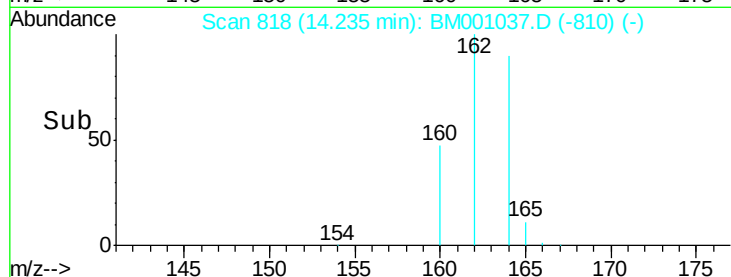
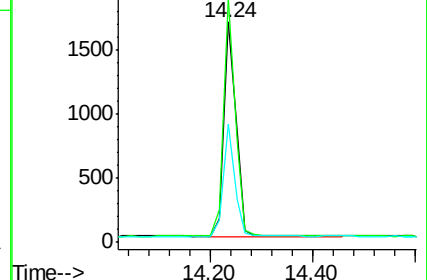
160 53.8 32.9 49.3#



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



#9

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 12.86 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

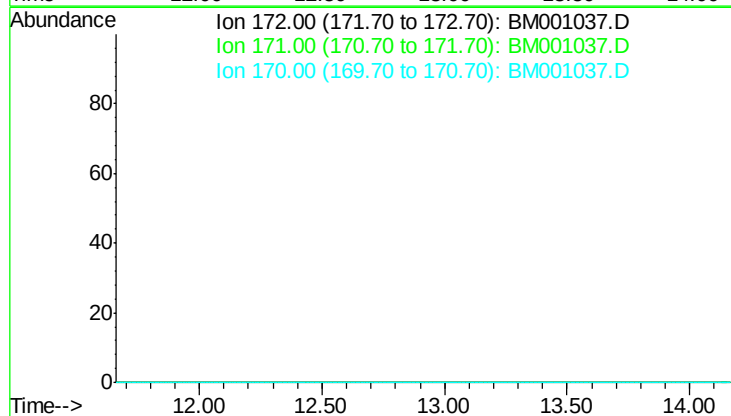
Tgt Ion: 172

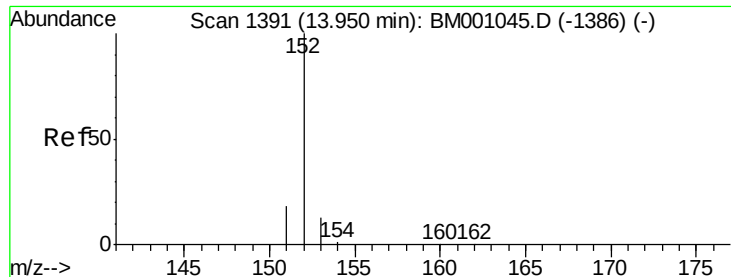
Sig Exp Ratio

172 100

171 32.0

170 19.7





#10

Acenaphthylene

Concen: 5.85 ng

RT: 13.94 min Scan# 801

Delta R.T. -0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

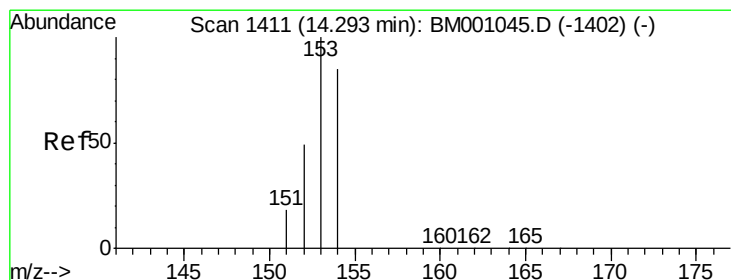
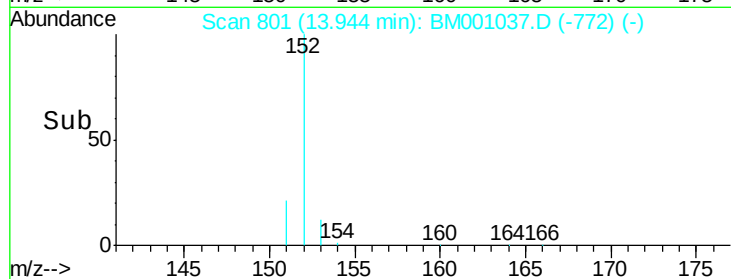
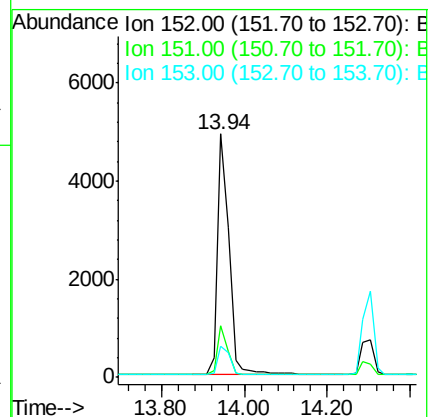
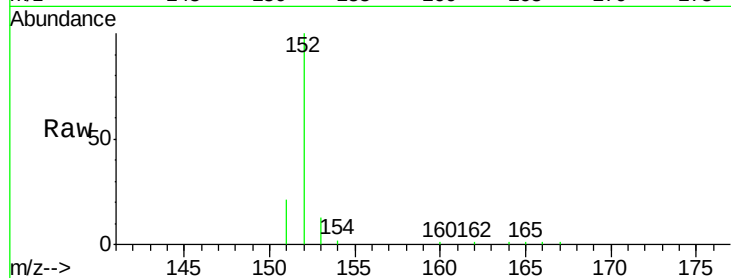
Tgt Ion:152 Resp: 9392

Ion Ratio Lower Upper

152 100

151 19.2 14.7 22.1

153 12.8 10.2 15.2



#11

Acenaphthene

Concen: 3.24 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

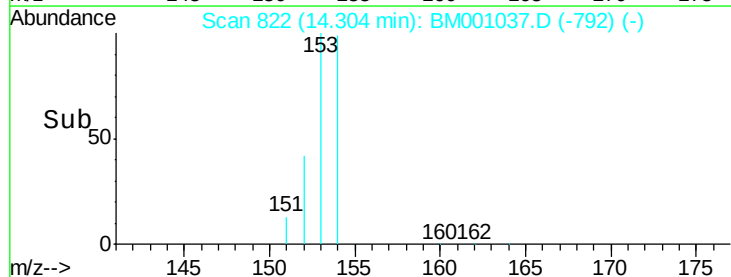
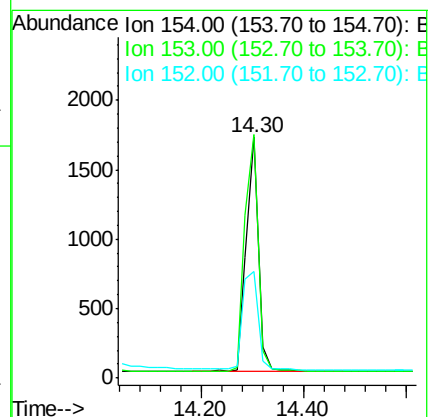
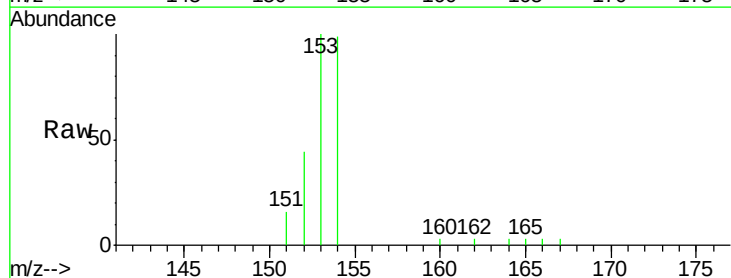
Tgt Ion:154 Resp: 2827

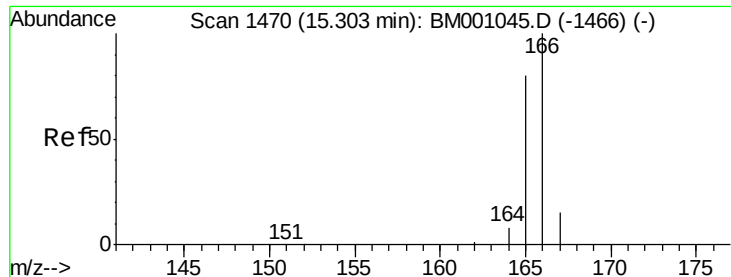
Ion Ratio Lower Upper

154 100

153 111.1 88.1 132.1

152 55.2 42.3 63.5





#12

Fluorene

Concen: 4.02 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

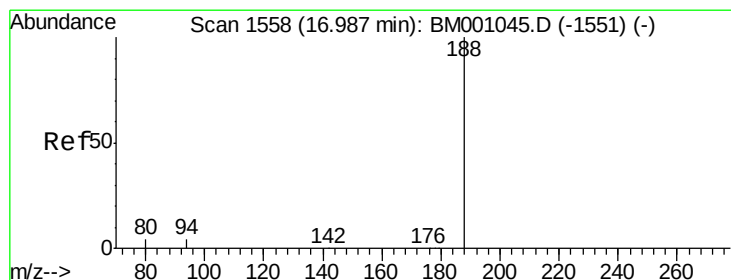
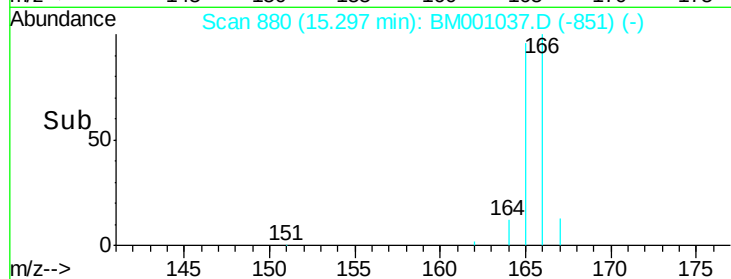
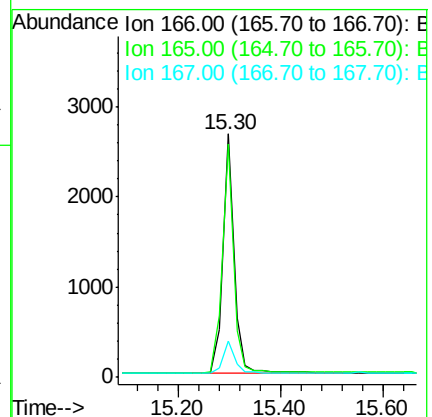
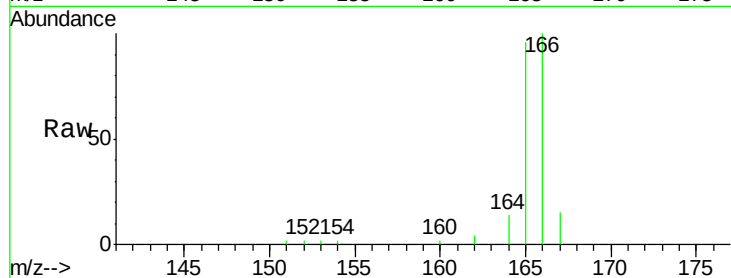
Tgt Ion:166 Resp: 4072

Ion Ratio Lower Upper

166 100

165 96.0 77.6 116.4

167 13.2 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: BM001037.D

Acq: 17 Apr 2015 18:24

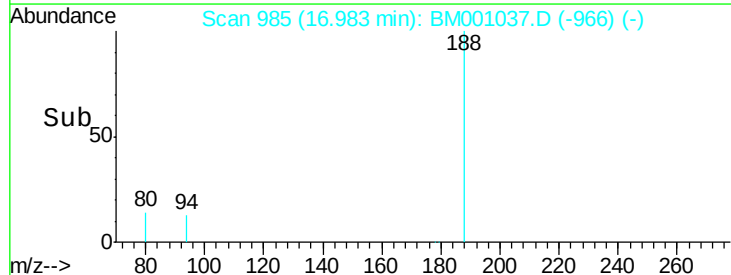
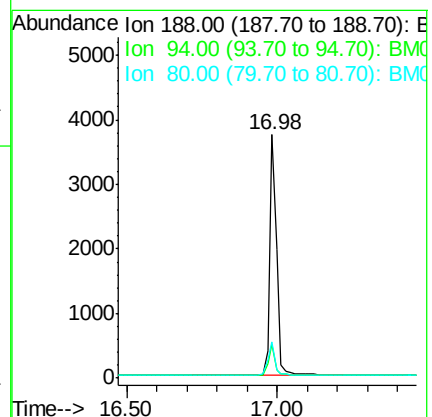
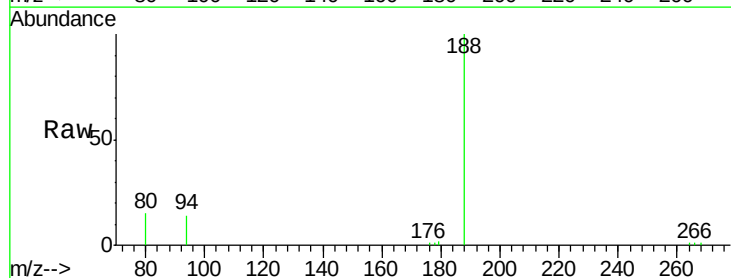
Tgt Ion:188 Resp: 5997

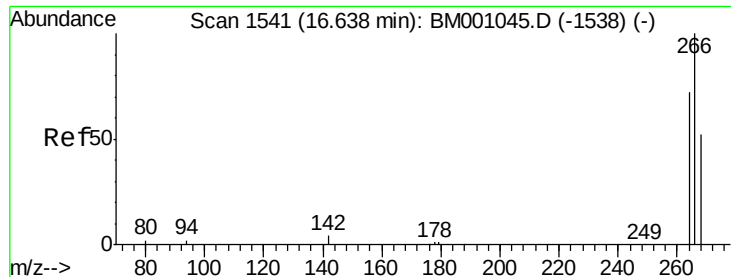
Ion Ratio Lower Upper

188 100

94 14.0 3.6 5.4#

80 14.7 3.0 4.6#





#15

Pentachlorophenol

Concen: 0.41 ng

RT: 16.66 min Scan# 964

Delta R.T. 0.02 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

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X1N62

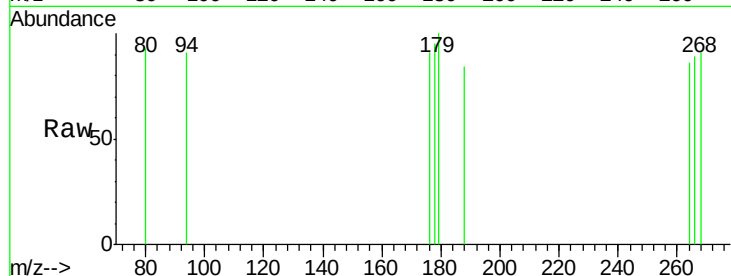
Tgt Ion: 266 Resp: 10

Ion Ratio Lower Upper

266 100

268 102.0 46.3 69.5#

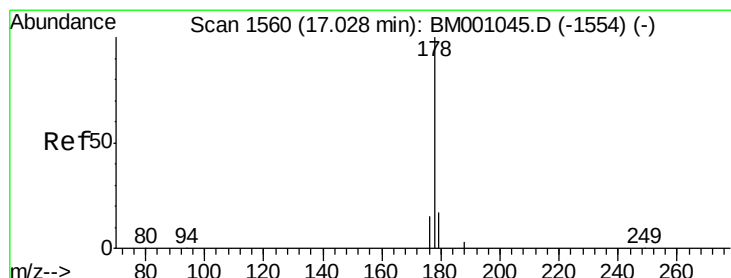
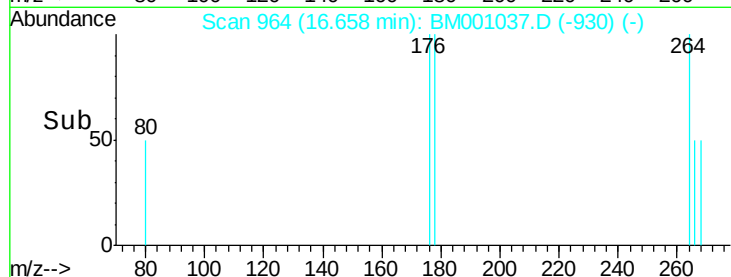
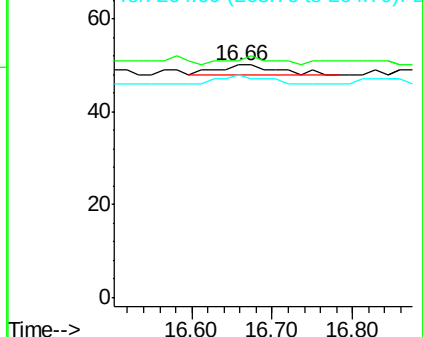
264 96.0 59.8 89.6#



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



#16

Phenanthrene

Concen: Below Cal

RT: 17.03 min Scan# 988

Delta R.T. 0.00 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

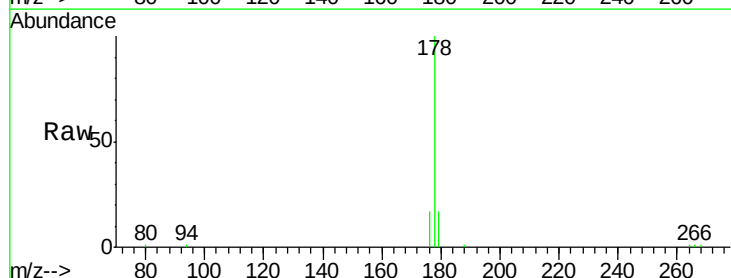
Tgt Ion: 178 Resp: 12541

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

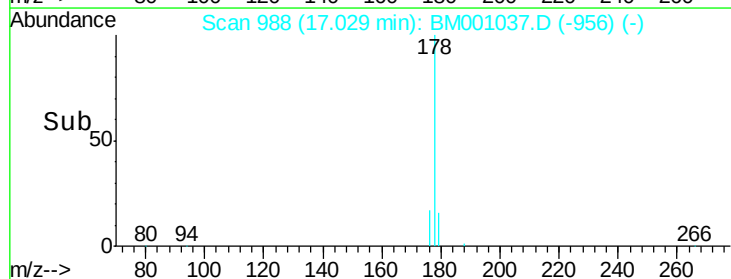
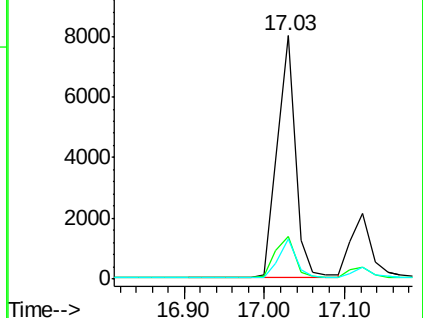
179 15.4 12.6 19.0

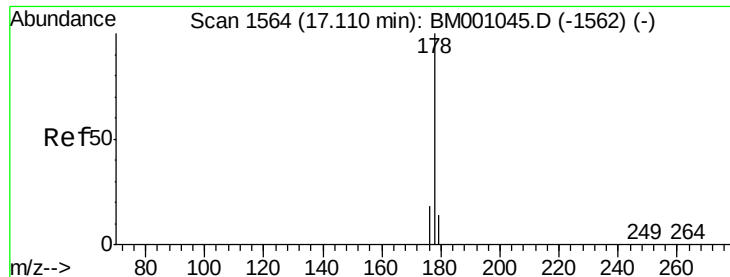


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

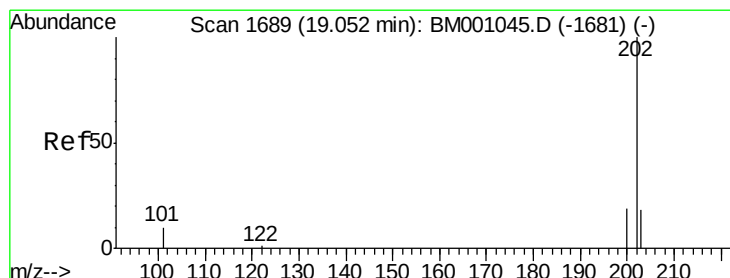
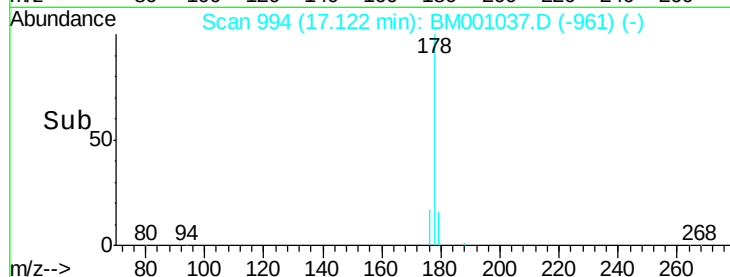
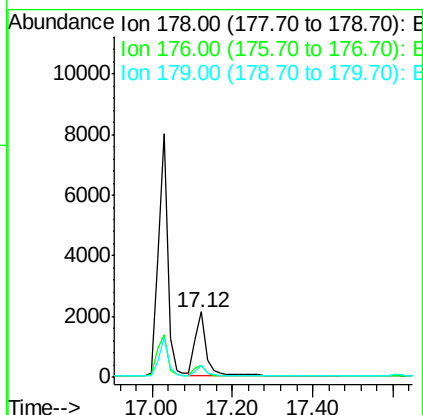
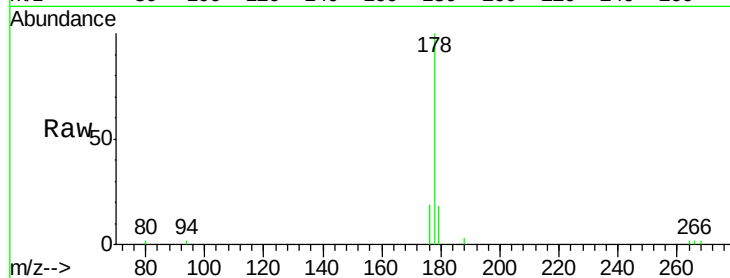




#17
 Anthracene
 Concen: 2.88 ng
 RT: 17.12 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

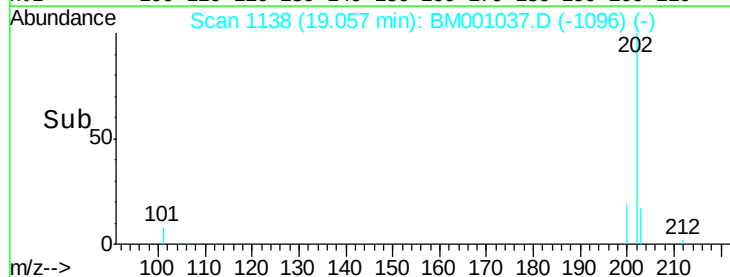
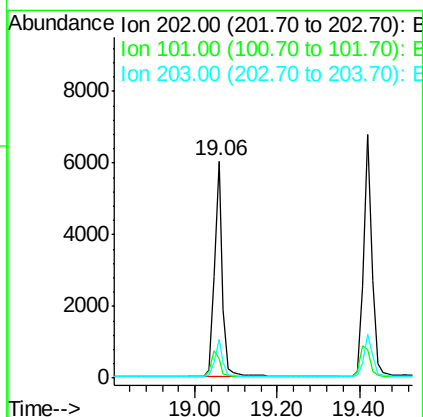
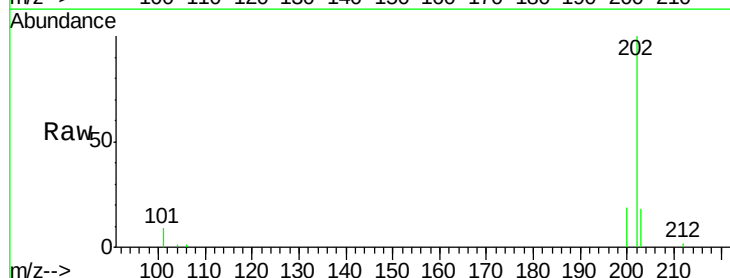
Instrument :
 BNA_M
 ClientSampleId :
 X1N62

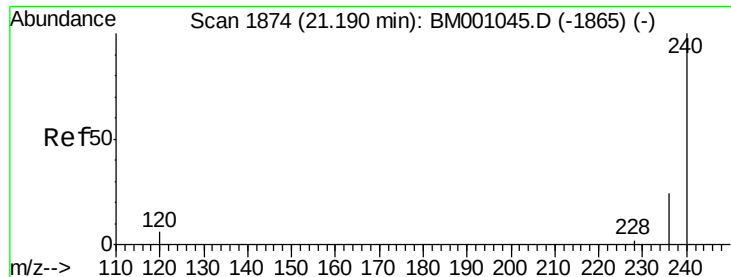
Tgt Ion:178 Resp: 4032
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 14.5 11.8 17.8



#18
 Fluoranthene
 Concen: 5.27 ng
 RT: 19.06 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

Tgt Ion:202 Resp: 8344
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.1 15.1
 203 17.3 13.8 20.8





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.19 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

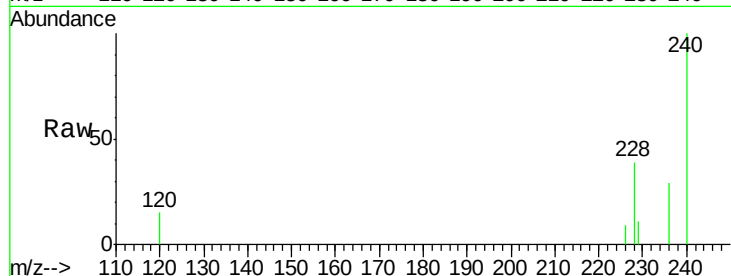
Tgt Ion:240 Resp: 5205

Ion Ratio Lower Upper

240 100

120 14.7 4.6 6.8#

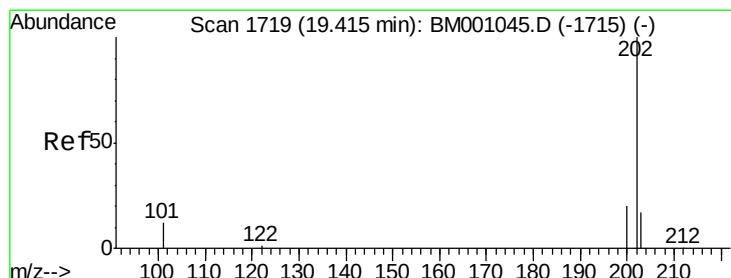
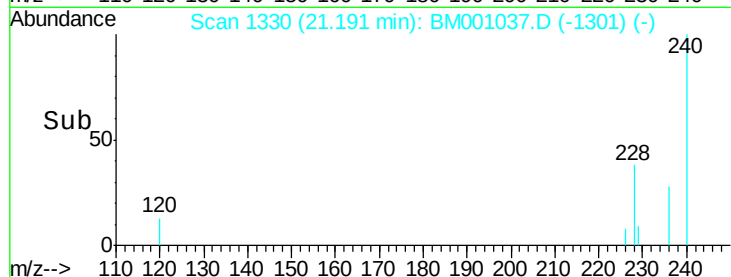
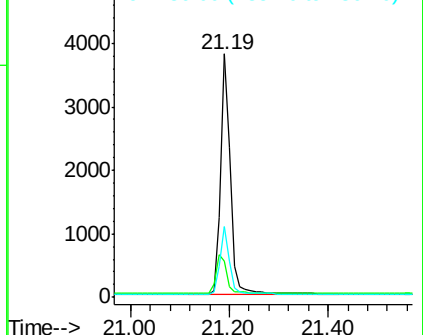
236 28.9 19.1 28.7#



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



#20

Pyrene

Concen: 5.92 ng

RT: 19.42 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

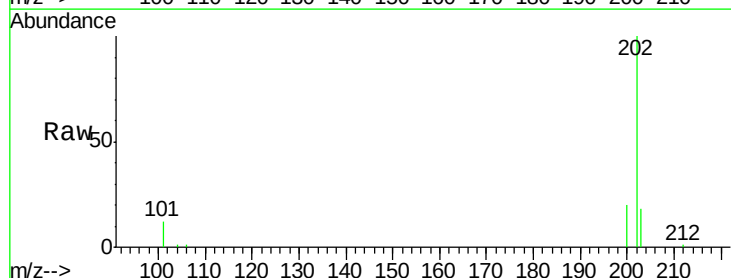
Tgt Ion:202 Resp: 9357

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

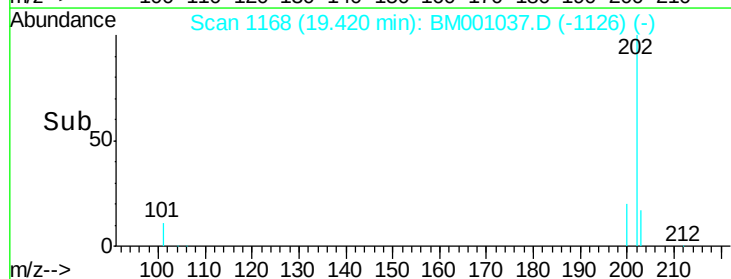
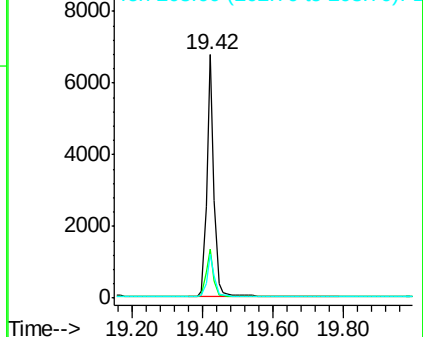
203 17.9 13.8 20.6

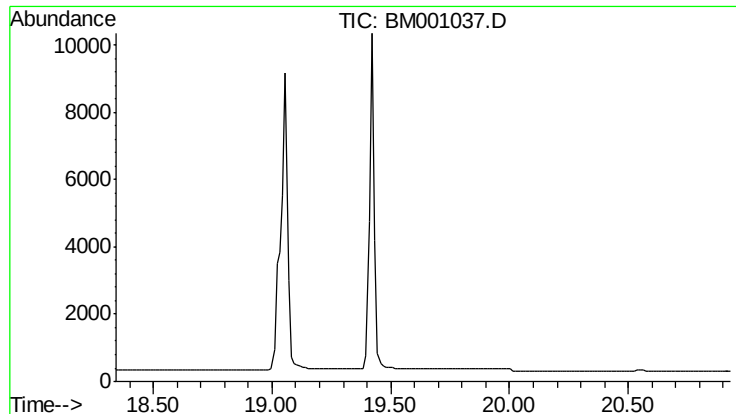


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

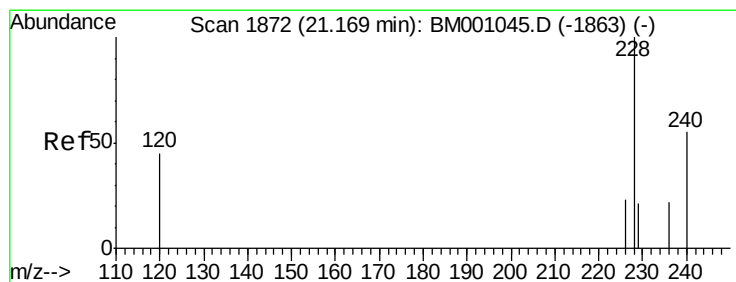
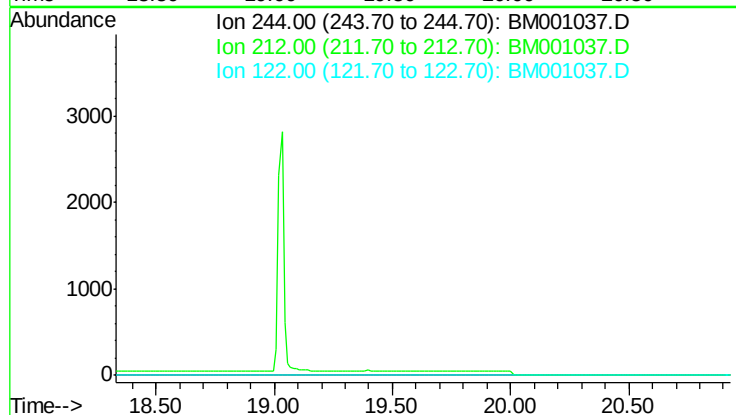




#21
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.63 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

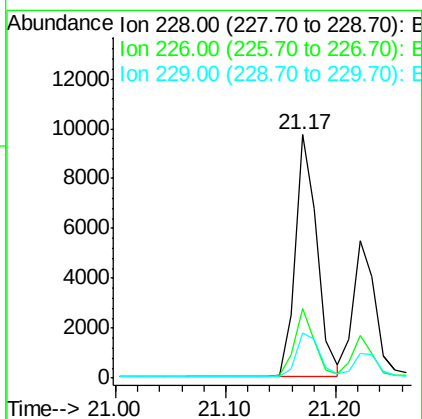
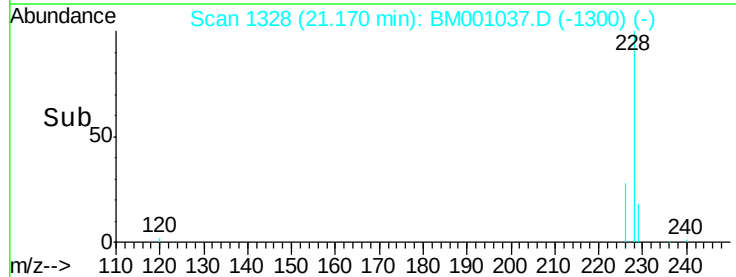
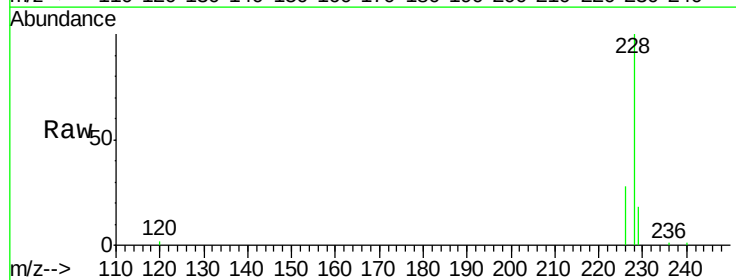
Instrument :
 BNA_M
 ClientSampleId :
 X1N62

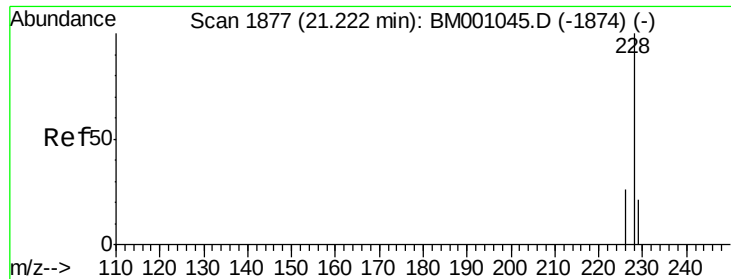
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 8.9
 122 7.4



#22
 Benzo(a)anthracene
 Concen: Below Cal
 RT: 21.17 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

Tgt Ion: 228 Resp: 13114
 Ion Ratio Lower Upper
 228 100
 226 28.5 19.0 28.6
 229 18.3 16.8 25.2





#23

Chrysene

Concen: Below Cal

RT: 21.17 min Scan# 1328

Delta R.T. -0.05 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

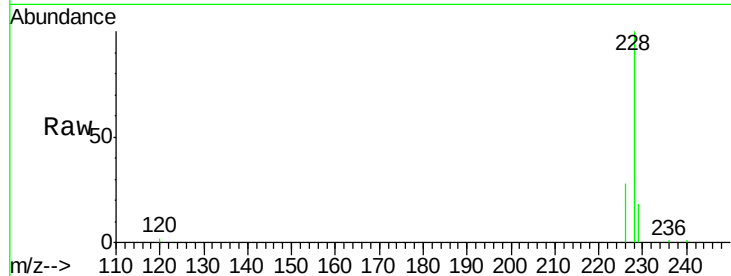
Tgt Ion: 228 Resp: 13114

Ion Ratio Lower Upper

228 100

226 28.5 20.6 31.0

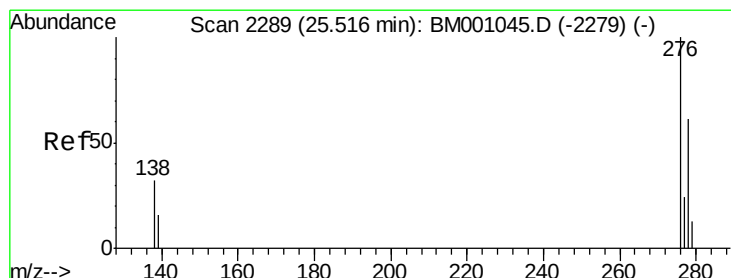
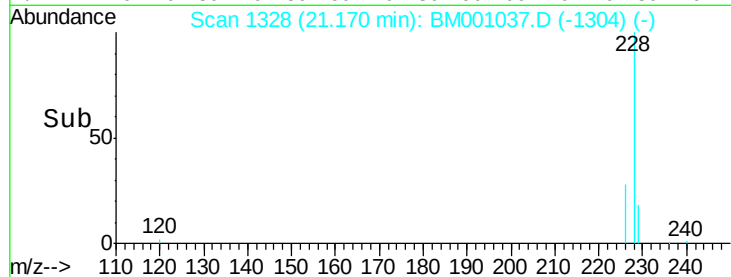
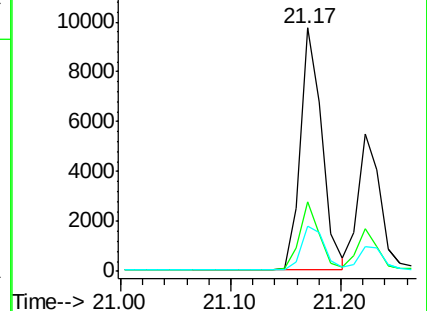
229 18.3 17.2 25.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 4.55 ng

RT: 25.53 min Scan# 1746

Delta R.T. 0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

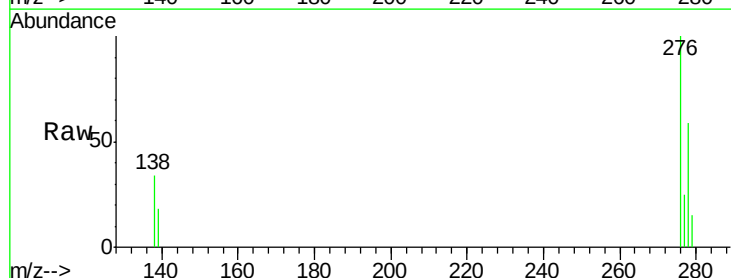
Tgt Ion: 276 Resp: 7515

Ion Ratio Lower Upper

276 100

138 33.8 26.3 39.5

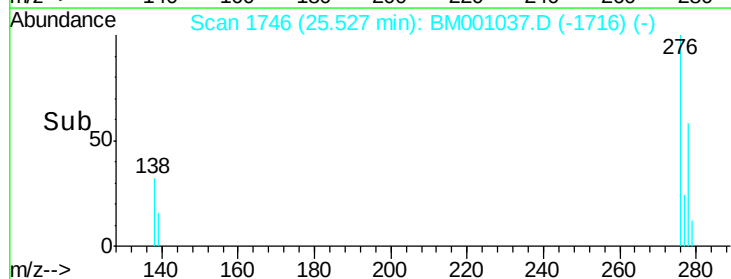
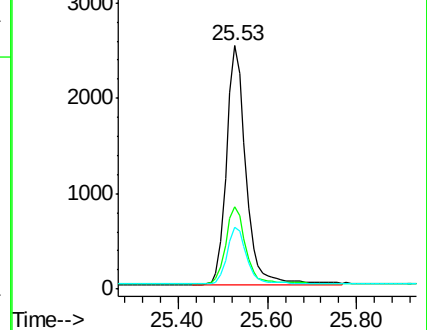
277 24.5 19.5 29.3

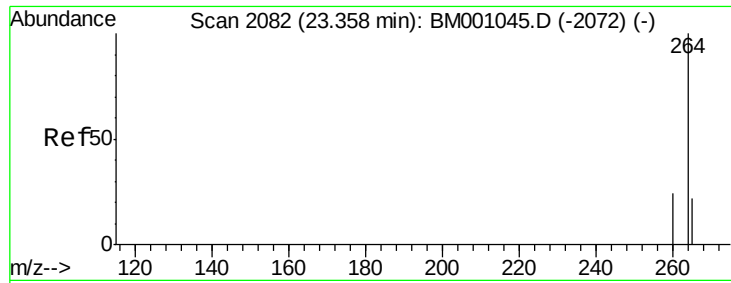


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

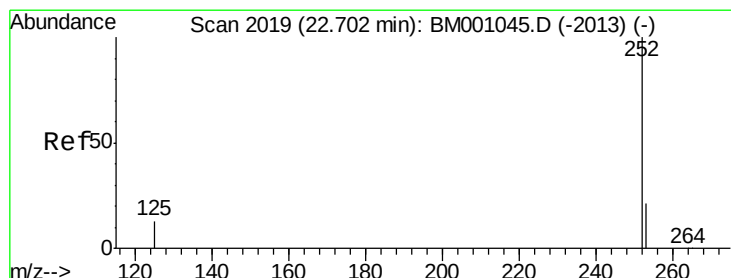
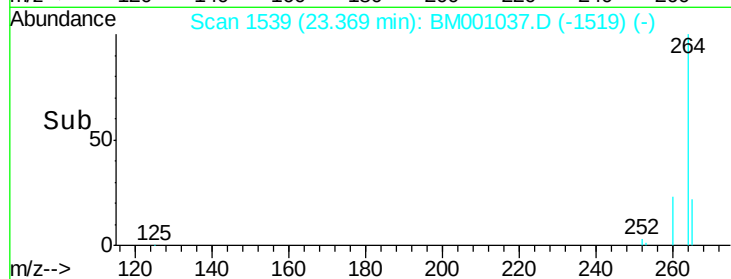
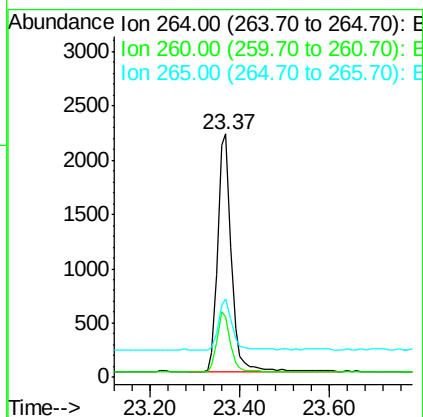
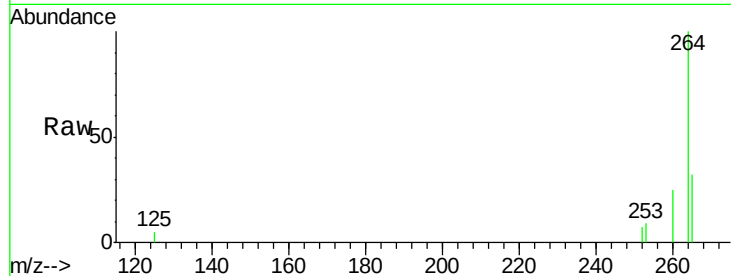




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.37 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

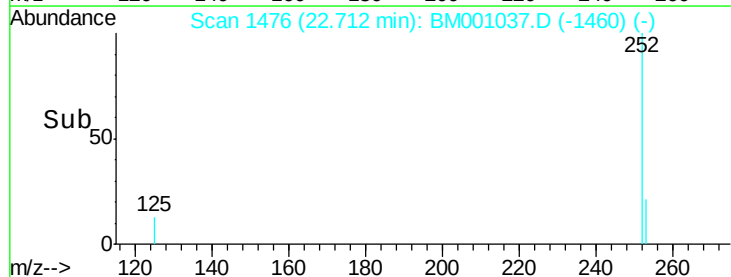
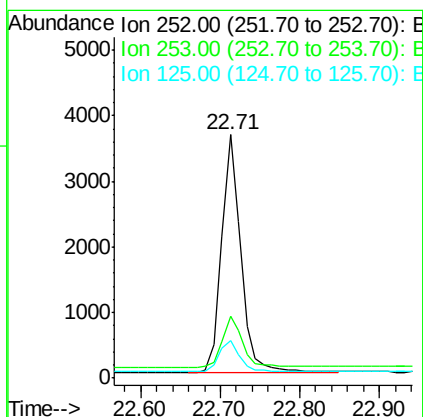
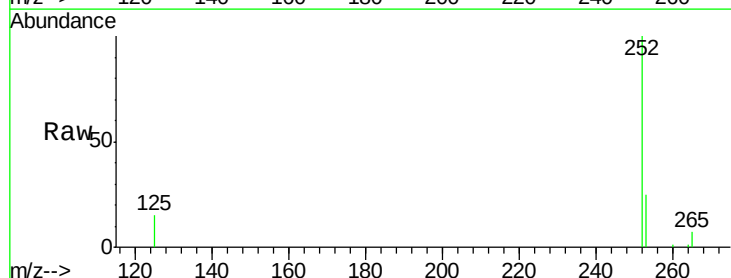
Instrument :
 BNA_M
 ClientSampleId :
 X1N62

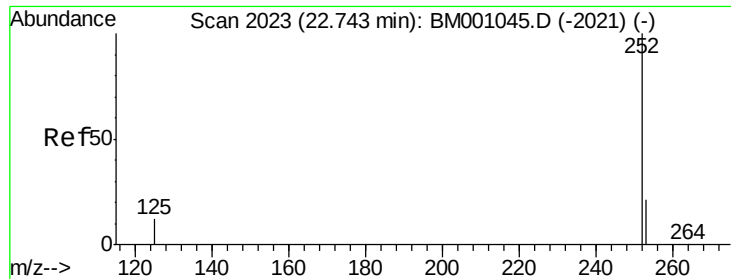
Tgt Ion: 264 Resp: 4678
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.0 28.6
 265 32.4 17.9 26.9#



#26
 Benzo(b)fluoranthene
 Concen: 3.72 ng
 RT: 22.71 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: BM001037.D
 Acq: 17 Apr 2015 18:24

Tgt Ion: 252 Resp: 6141
 Ion Ratio Lower Upper
 252 100
 253 25.3 18.2 27.2
 125 15.4 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 4.01 ng

RT: 22.71 min Scan# 1476

Delta R.T. -0.03 min

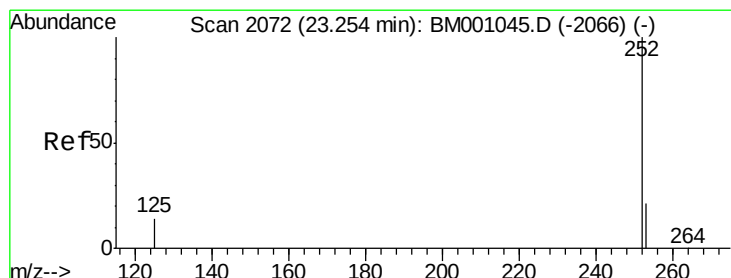
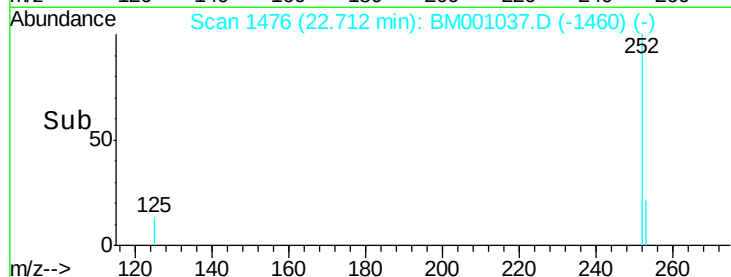
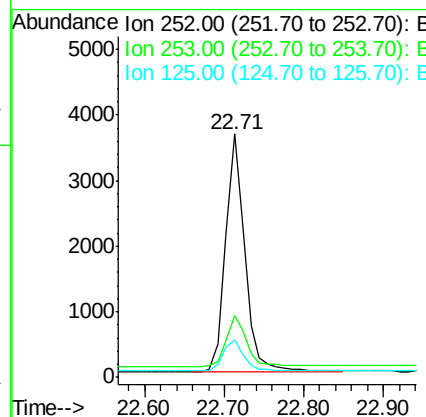
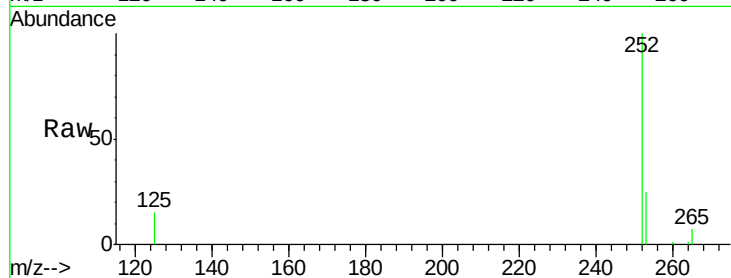
Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :
BNA_M
ClientSampleId :
X1N62

Tgt Ion:252 Resp: 6141

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.3	27.5
125	15.4	10.6	15.8



#28

Benzo(a)pyrene

Concen: Below Cal

RT: 23.26 min Scan# 1529

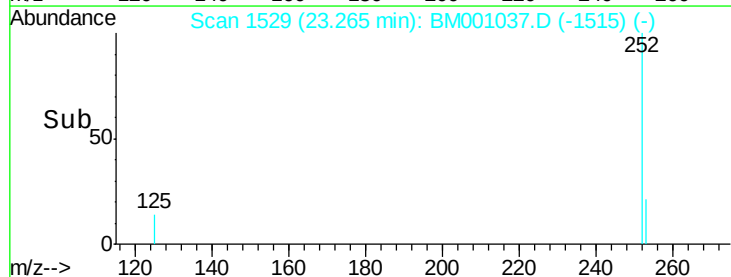
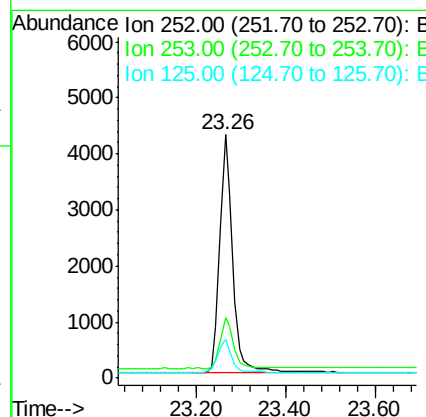
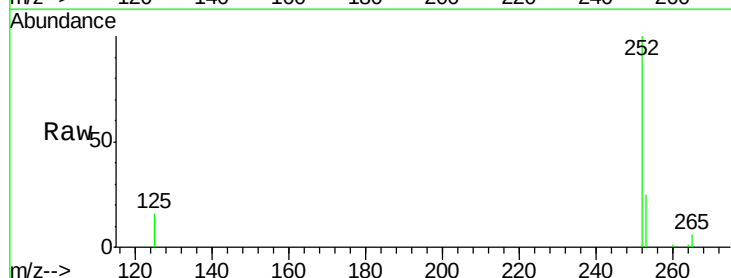
Delta R.T. 0.01 min

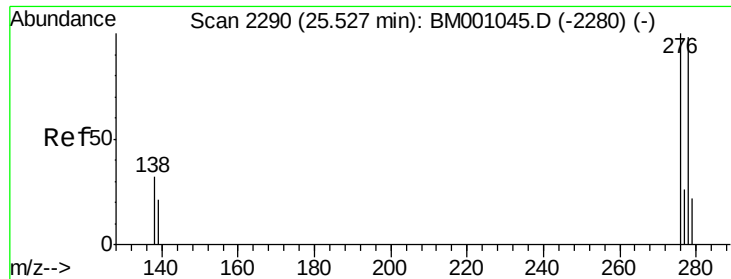
Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Tgt Ion:252 Resp: 8768

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	27.8
125	16.1	11.9	17.9





#29

Dibenzo(a,h)anthracene

Concen: 5.05 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

Instrument :

BNA_M

ClientSampleId :

X1N62

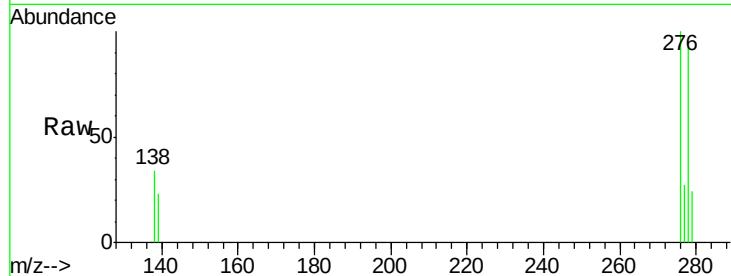
Tgt Ion:278 Resp: 6444

Ion Ratio Lower Upper

278 100

139 25.3 18.2 27.2

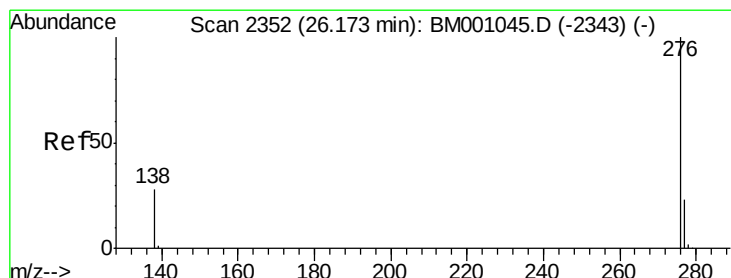
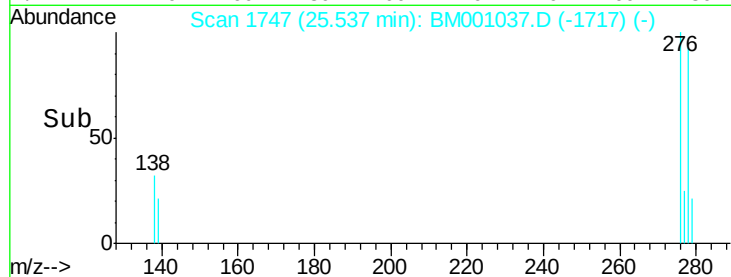
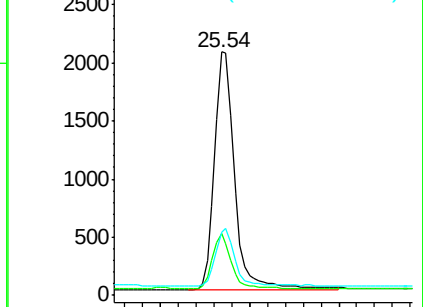
279 26.0 19.1 28.7



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: 7.26 ng

RT: 26.19 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BM001037.D

Acq: 17 Apr 2015 18:24

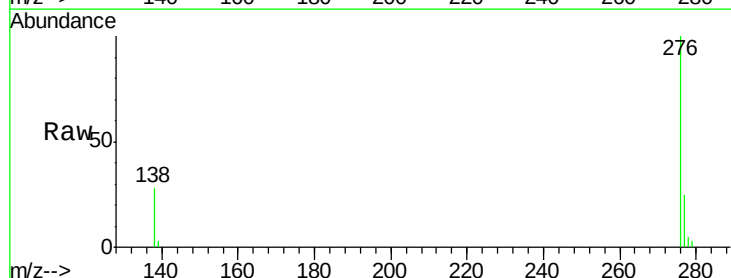
Tgt Ion:276 Resp: 7924

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 28.1 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

