

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001038.D
 Acq On : 17 Apr 2015 19:09
 Operator : TP/IZ
 Sample : PB82749BL
 Misc : SBLK45
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK45

Quant Time: Apr 20 08:51:20 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	1282	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4654	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2392	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5117	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4216	5.00	ng	0.00
25) Perylene-d12	23.37	264	3927	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

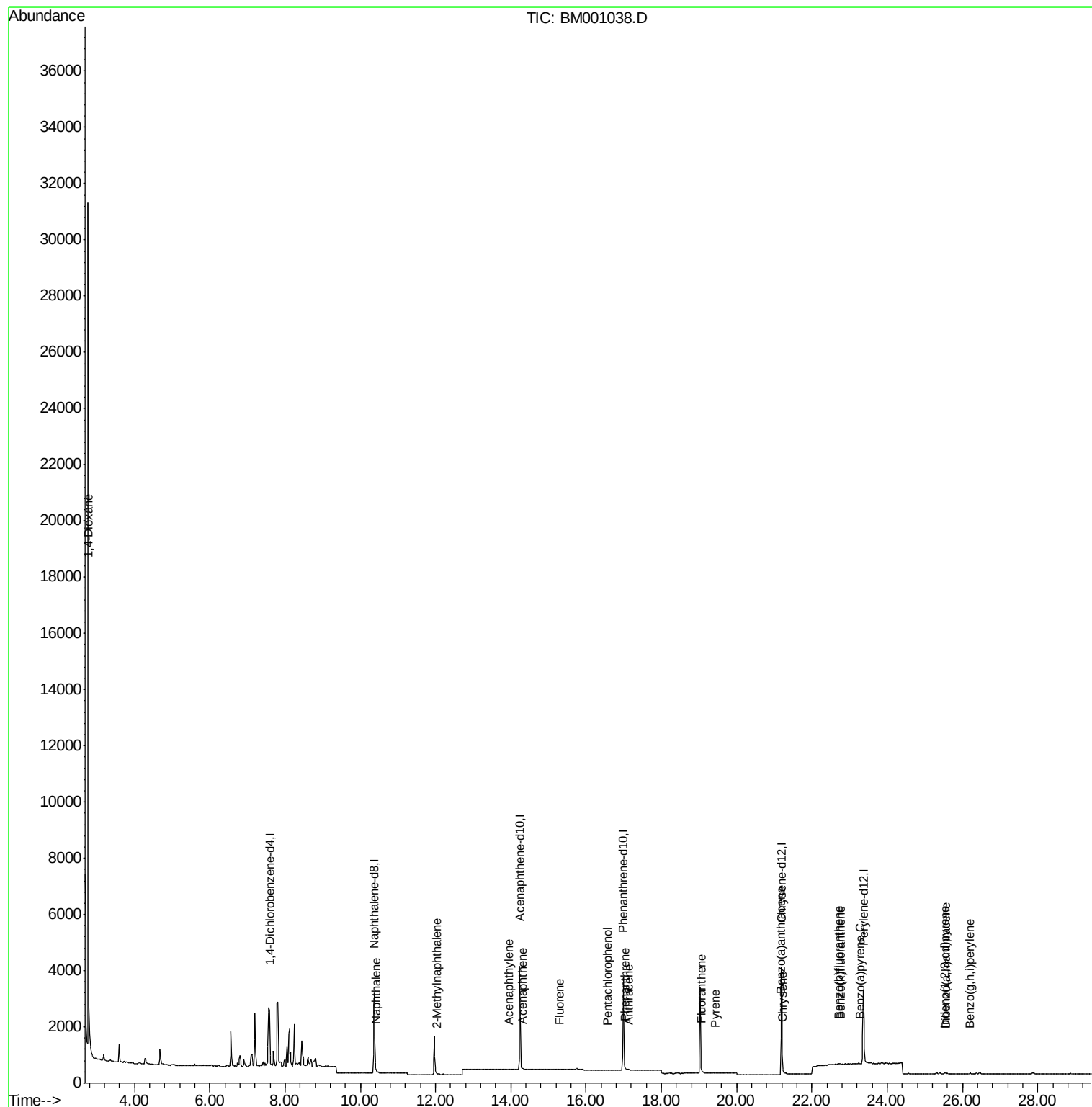
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.78	88	4333	30.72	ng	# 100
6) Naphthalene	10.41	128	48	0.04	ng	# 1
7) 2-Methylnaphthalene	12.03	142	9	0.01	ng	# 49
10) Acenaphthylene	13.94	152	2	0.23	ng	# 62
11) Acenaphthene	14.30	154	4	0.01	ng	# 1
12) Fluorene	15.30	166	12	0.01	ng	# 1
15) Pentachlorophenol	16.57	266	9	0.41	ng	# 59
16) Phenanthrene	17.03	178	27	0.16	ng	# 29
17) Anthracene	17.12	178	10	0.01	ng	# 62
18) Fluoranthene	19.06	202	24	0.02	ng	# 64
20) Pyrene	19.42	202	20	0.16	ng	# 60
22) Benzo(a)anthracene	21.18	228	33	0.18	ng	# 1
23) Chrysene	21.22	228	12	0.13	ng	# 1
24) Indeno(1,2,3-cd)pyrene	25.54	276	39	0.17	ng	# 59
26) Benzo(b)fluoranthene	22.72	252	26	0.18	ng	# 1
27) Benzo(k)fluoranthene	22.76	252	14	0.16	ng	# 1
28) Benzo(a)pyrene	23.28	252	41	0.20	ng	# 1
29) Dibenzo(a,h)anthracene	25.55	278	29	0.19	ng	# 1
30) Benzo(g,h,i)perylene	26.20	276	39	0.18	ng	# 1

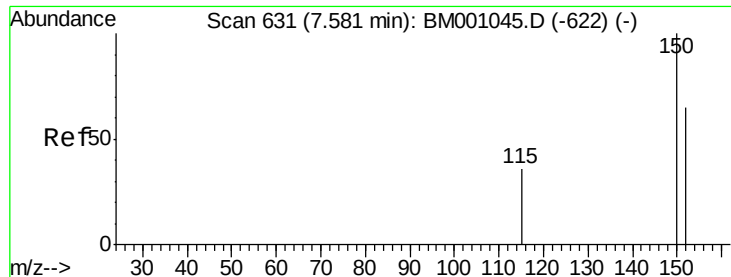
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

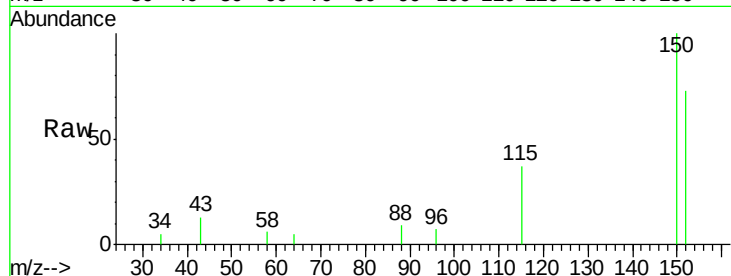
Tgt Ion:152 Resp: 1282

Ion Ratio Lower Upper

152 100

150 137.9 123.3 184.9

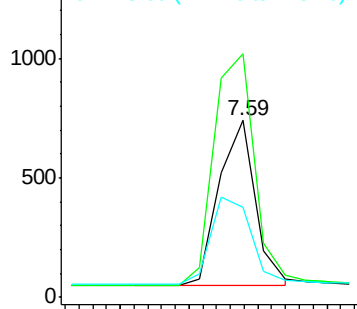
115 51.2 45.0 67.6



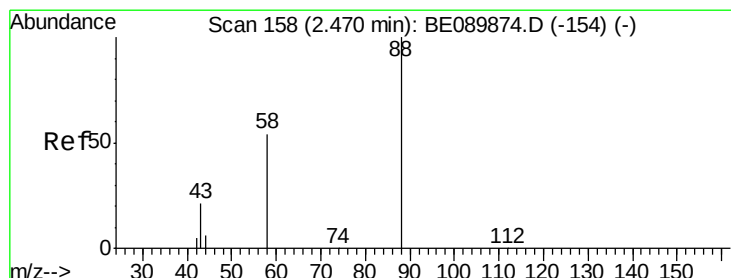
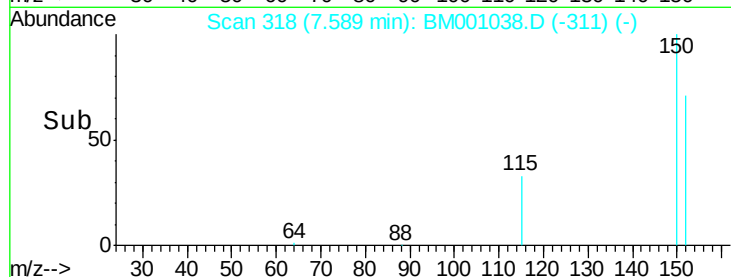
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 30.72 ng

RT: 2.78 min Scan# 7

Delta R.T. -0.30 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

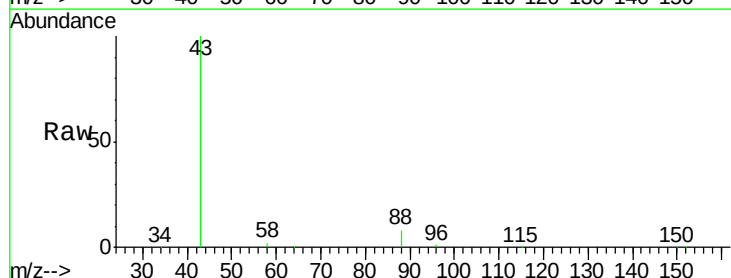
Tgt Ion: 88 Resp: 4333

Ion Ratio Lower Upper

88 100

58 10.2 0.0 0.0#

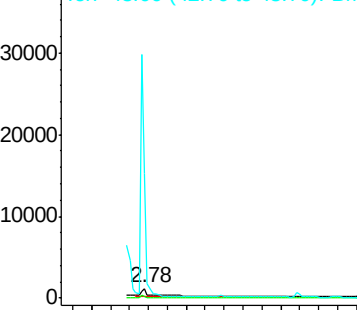
43 1046.5 0.0 0.0#



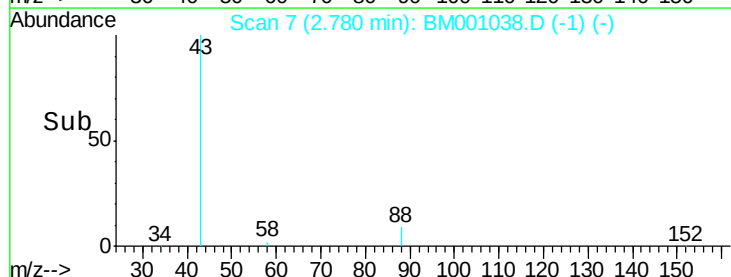
Abundance Ion 88.00 (87.70 to 88.70): BM

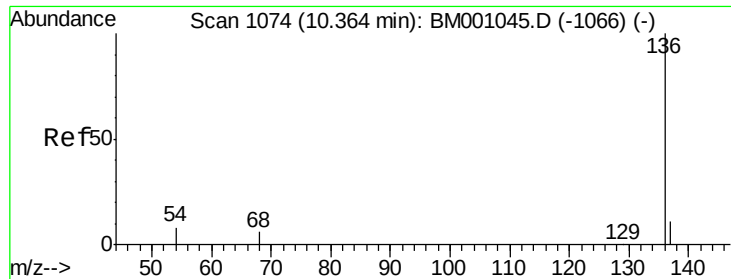
Ion 58.00 (57.70 to 58.70): BM

Ion 43.00 (42.70 to 43.70): BM



Time-->





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

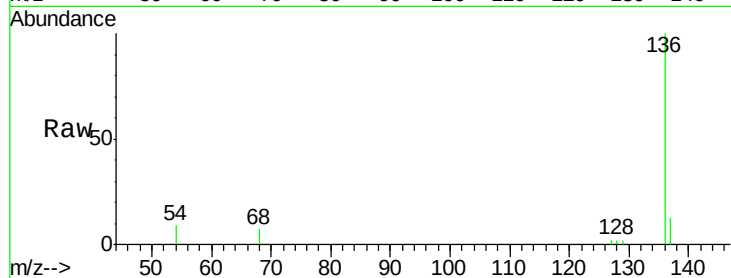
Tgt Ion:136 Resp: 4654

Ion Ratio Lower Upper

136 100

137 12.6 8.6 13.0

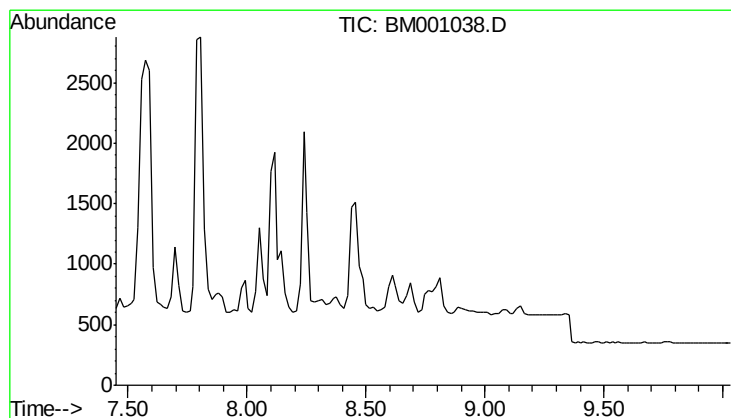
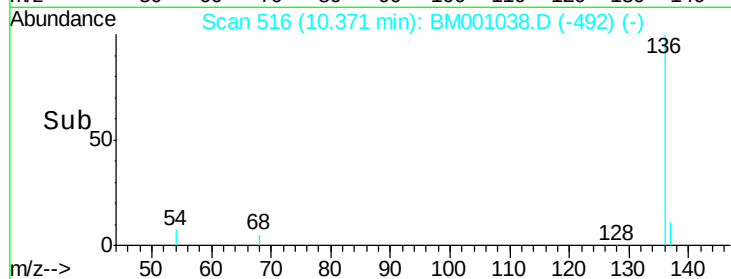
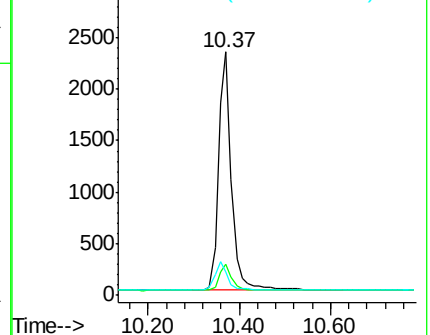
54 9.5 6.5 9.7



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: BM001038.D

Acq: 17 Apr 2015 19:09

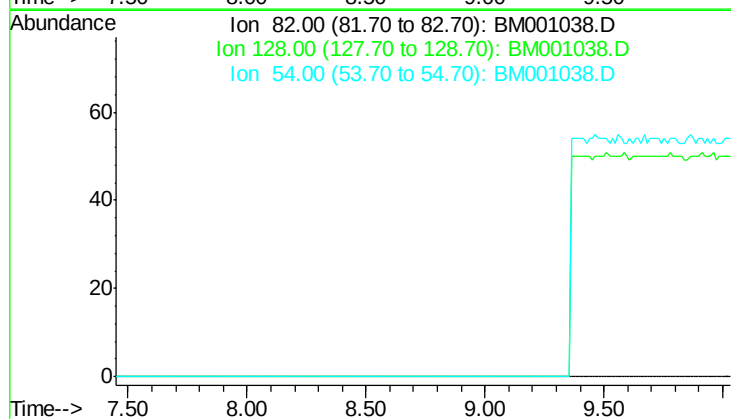
Tgt Ion: 82

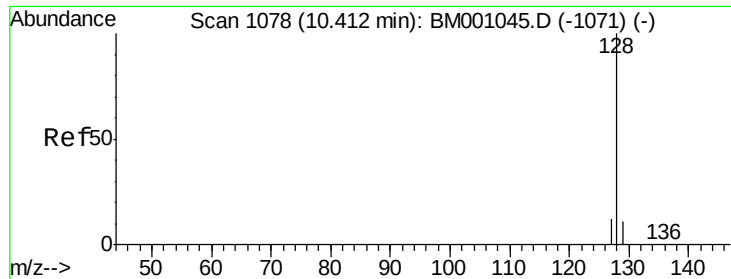
Sig Exp Ratio

82 100

128 39.9

54 64.1





#6

Naphthalene

Concen: 0.04 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

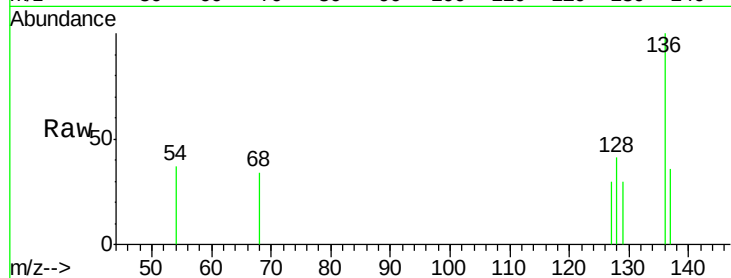
Tgt Ion:128 Resp: 48

Ion Ratio Lower Upper

128 100

129 72.9 9.3 13.9#

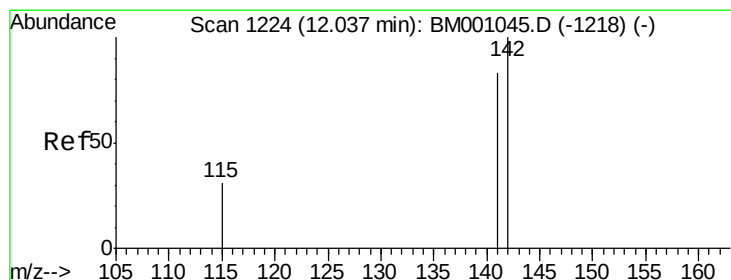
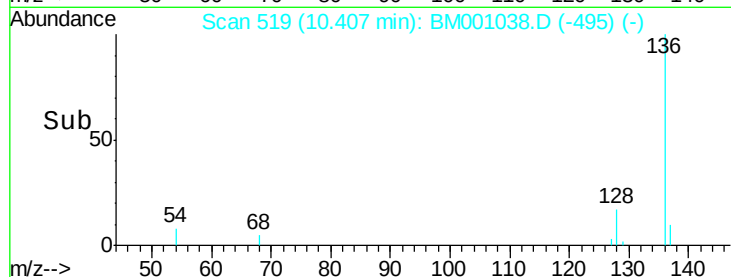
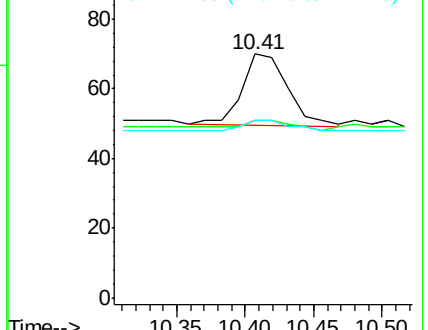
127 72.9 10.0 15.0#



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: 0.01 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

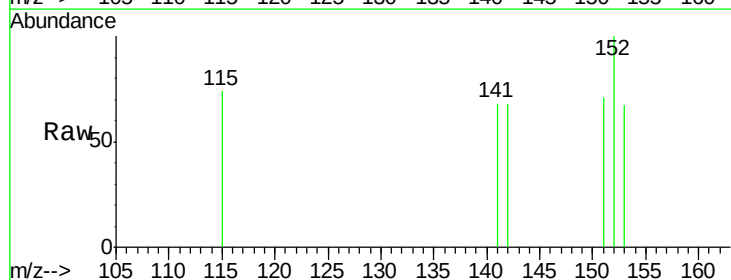
Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

142 100

141 100.0 66.7 100.1

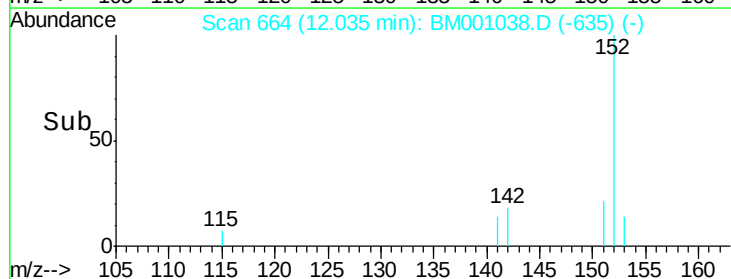
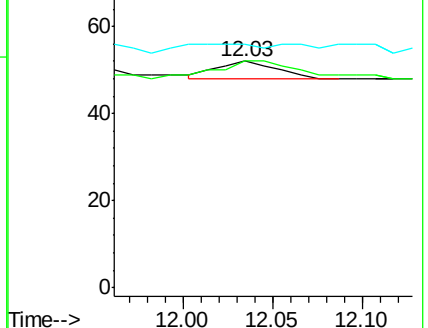
115 107.7 25.5 38.3#

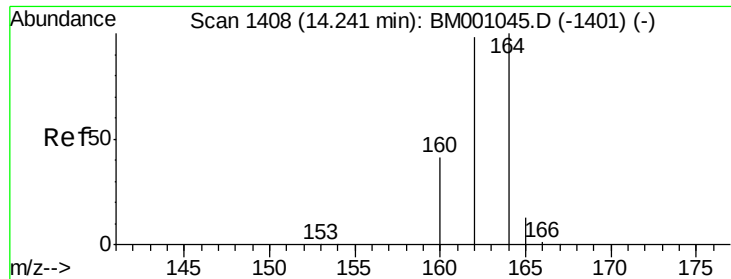


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

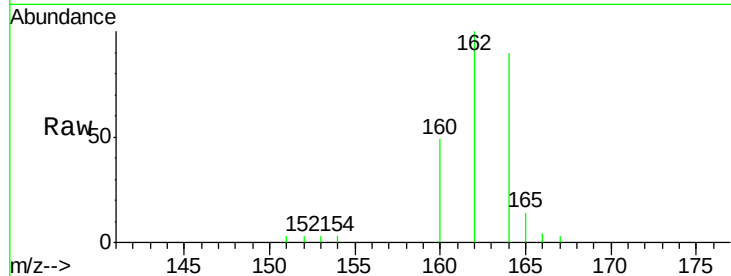
Tgt Ion: 164 Resp: 2392

Ion Ratio Lower Upper

164 100

162 110.5 78.5 117.7

160 54.6 32.9 49.3#

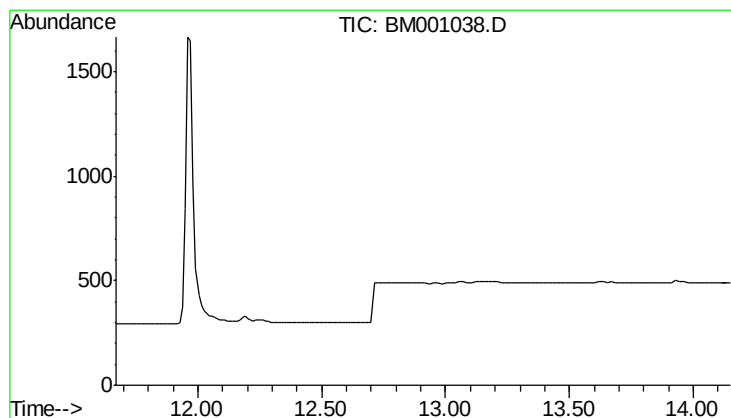
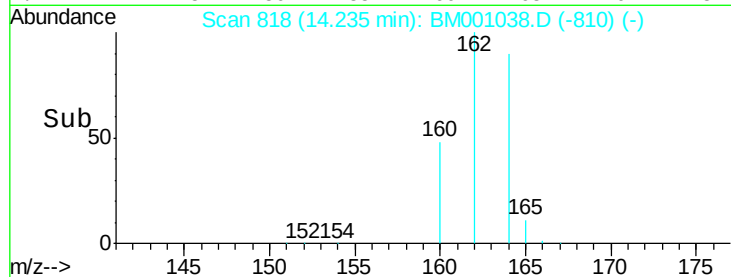
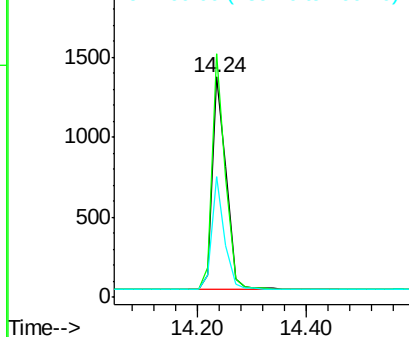


Abundance

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: BM001038.D

Acq: 17 Apr 2015 19:09

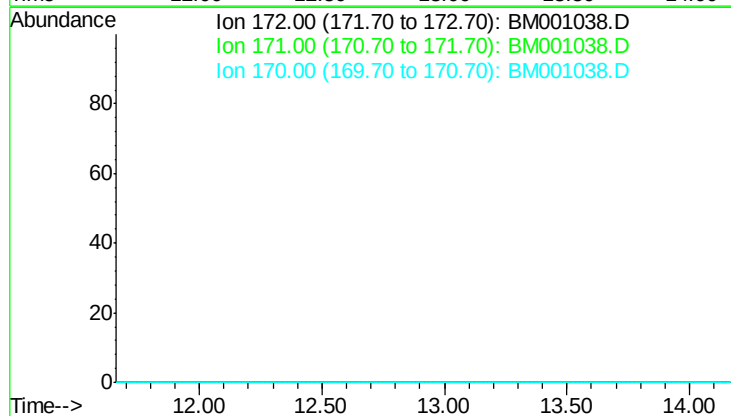
Tgt Ion: 172

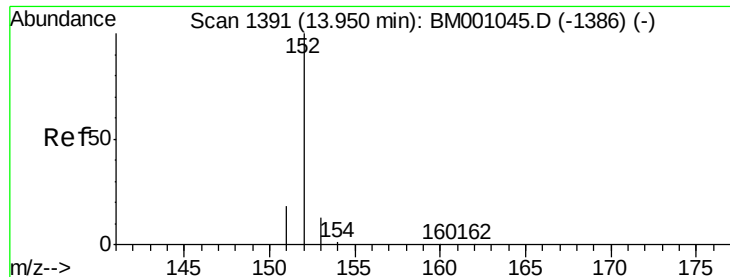
Sig Exp Ratio

172 100

171 32.0

170 19.7





#10

Acenaphthylene

Concen: 0.23 ng

RT: 13.94 min Scan# 801

Delta R.T. -0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

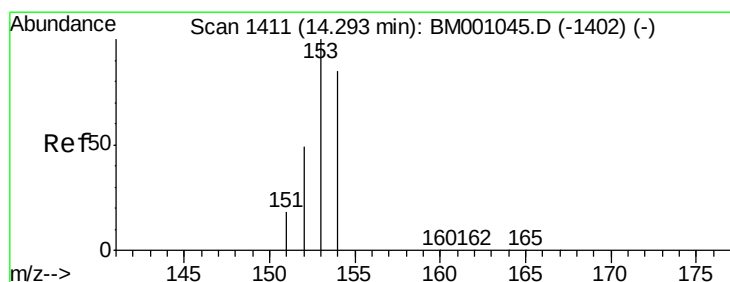
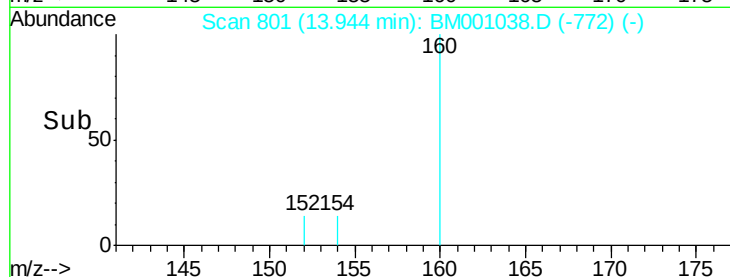
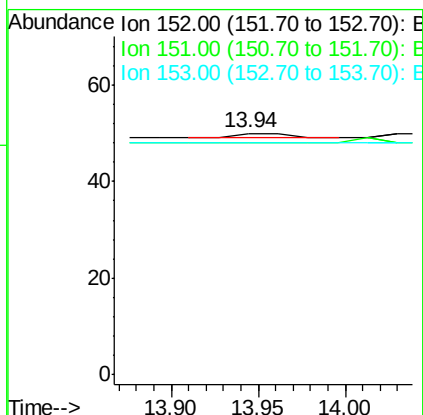
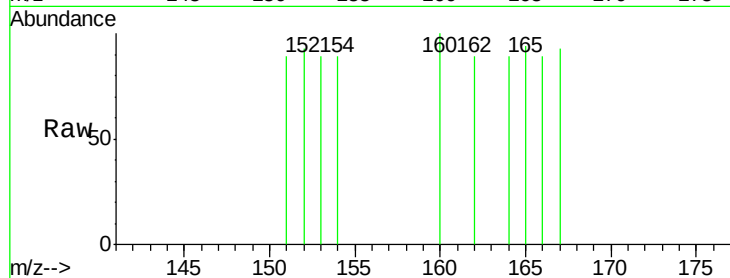
Instrument :

BNA_M

ClientSampleId :

SBLK45

Tgt Ion:	152	Resp:	2
Ion	Ratio	Lower	Upper
152	100		
151	0.0	14.7	22.1#
153	0.0	10.2	15.2#



#11

Acenaphthene

Concen: 0.01 ng

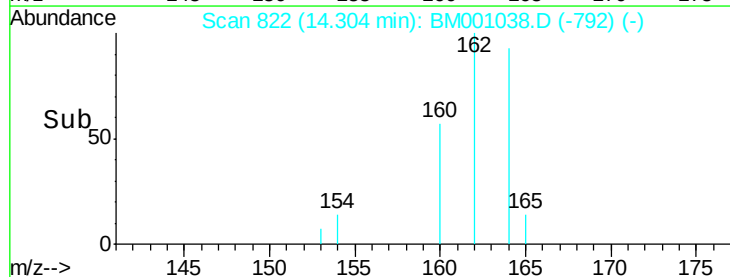
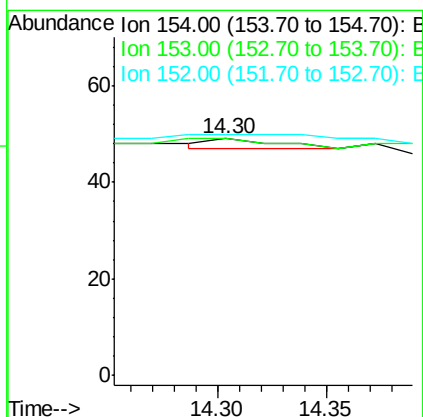
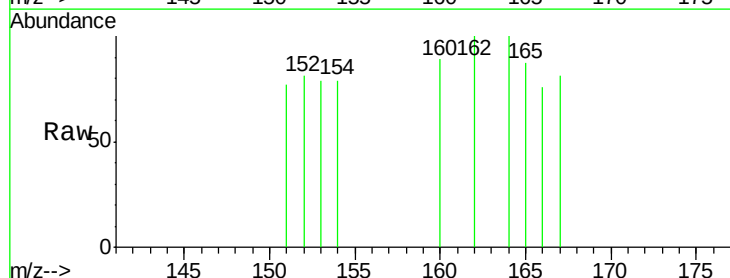
RT: 14.30 min Scan# 822

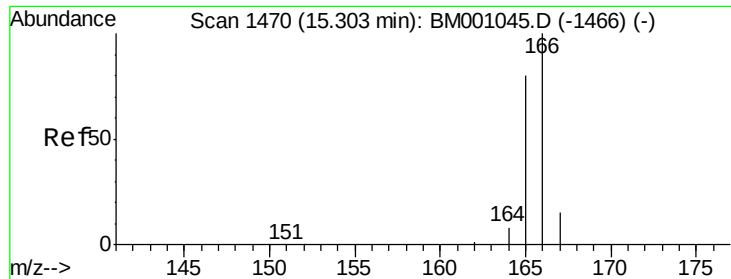
Delta R.T. 0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Tgt Ion:	154	Resp:	4
Ion	Ratio	Lower	Upper
154	100		
153	150.0	88.1	132.1#
152	325.0	42.3	63.5#





#12

Fluorene

Concen: 0.01 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

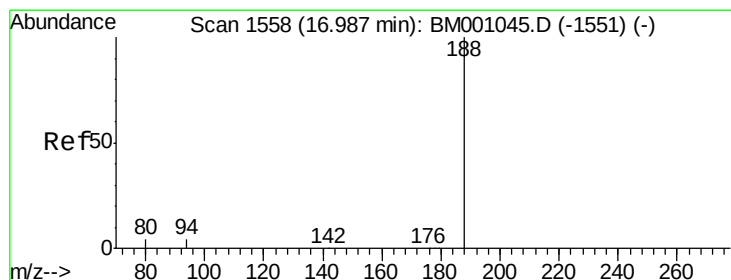
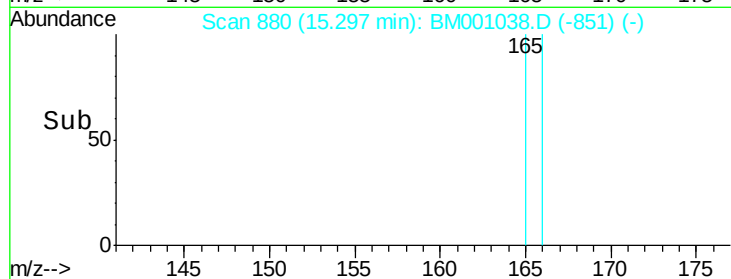
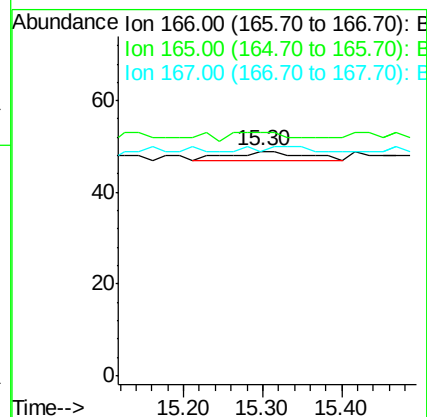
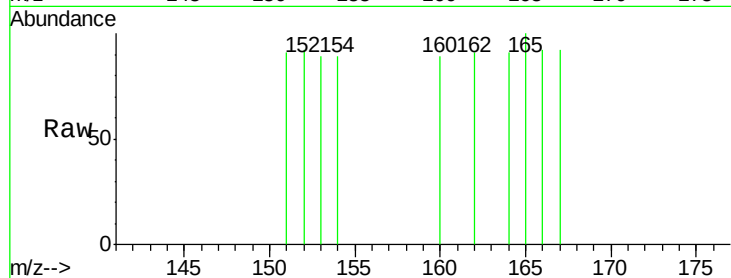
Tgt Ion:166 Resp: 12

Ion Ratio Lower Upper

166 100

165 0.0 77.6 116.4#

167 75.0 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: BM001038.D

Acq: 17 Apr 2015 19:09

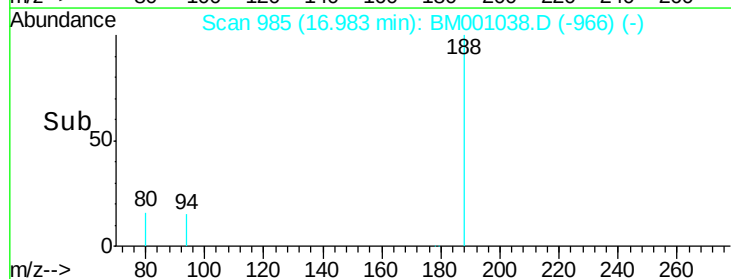
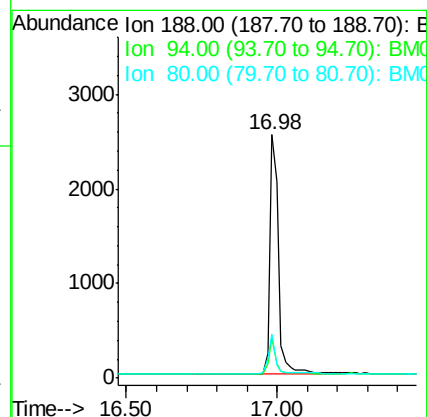
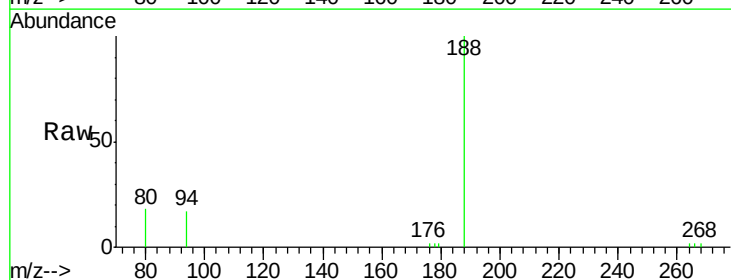
Tgt Ion:188 Resp: 5117

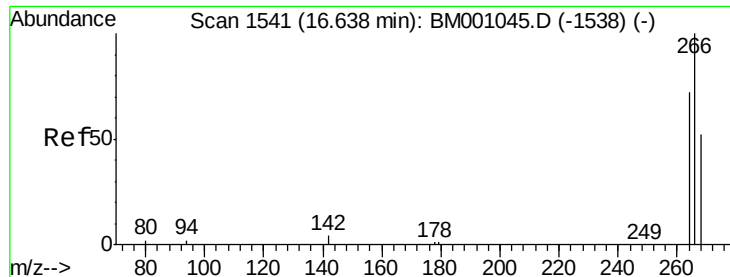
Ion Ratio Lower Upper

188 100

94 16.5 3.6 5.4#

80 18.2 3.0 4.6#

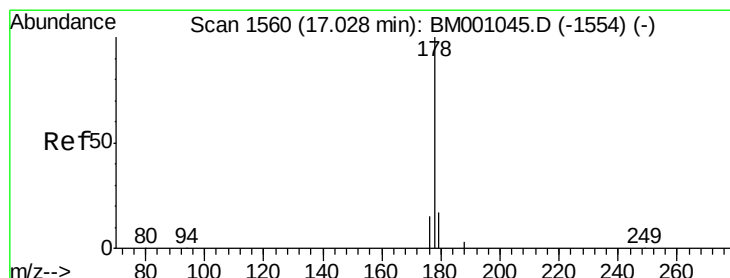
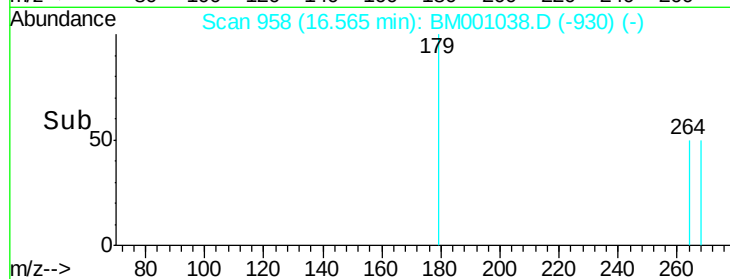
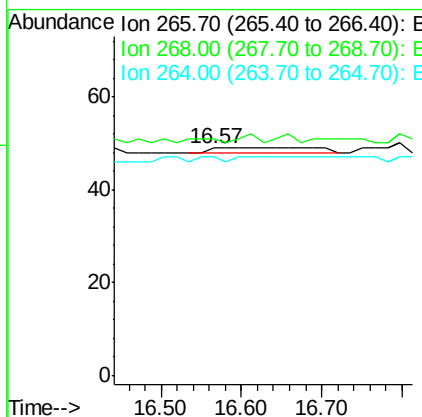
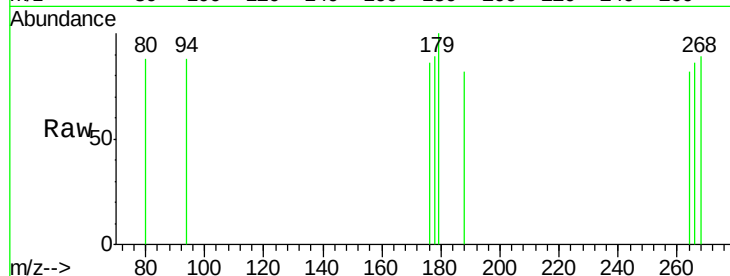




#15
 Pentachlorophenol
 Concen: 0.41 ng
 RT: 16.57 min Scan# 958
 Delta R.T. -0.07 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

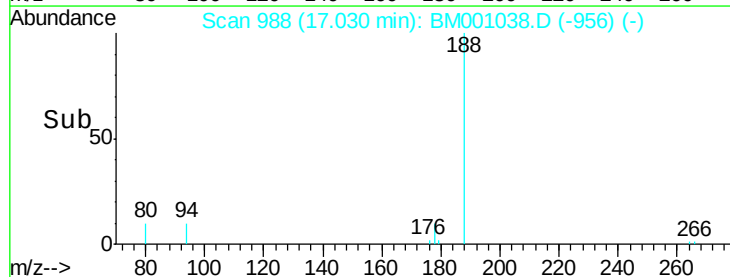
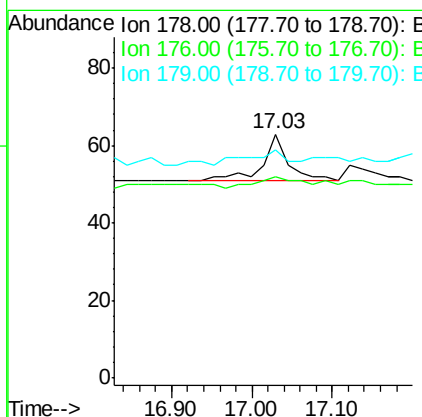
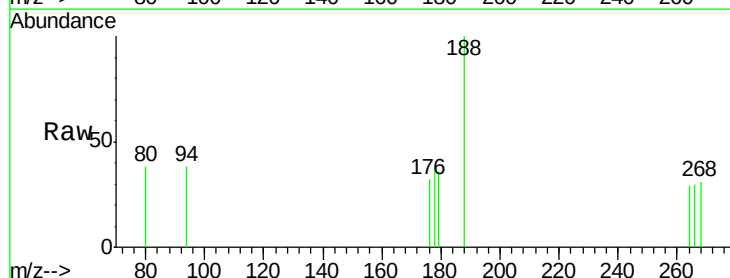
Instrument :
 BNA_M
 ClientSampleId :
 SBLK45

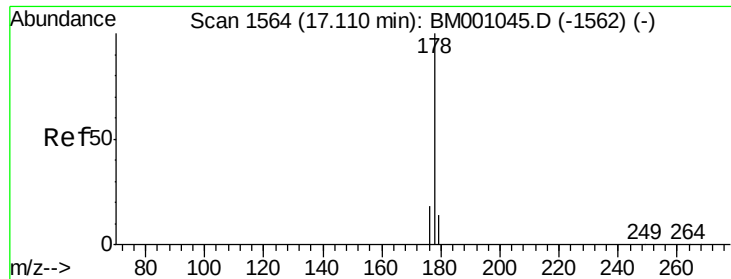
Tgt Ion: 266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 268 104.1 46.3 69.5#
 264 95.9 59.8 89.6#



#16
 Phenanthrene
 Concen: 0.16 ng
 RT: 17.03 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

Tgt Ion: 178 Resp: 27
 Ion Ratio Lower Upper
 178 100
 176 40.7 14.6 22.0#
 179 55.6 12.6 19.0#





#17

Anthracene

Concen: 0.01 ng

RT: 17.12 min Scan# 994

Delta R.T. 0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

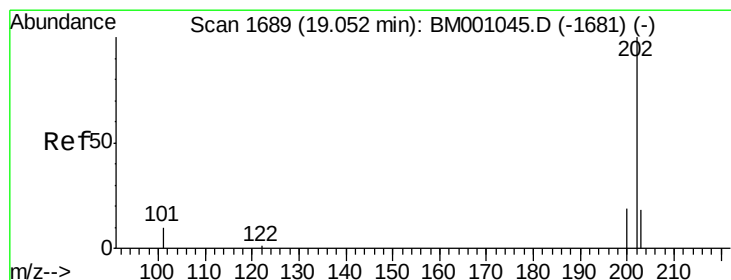
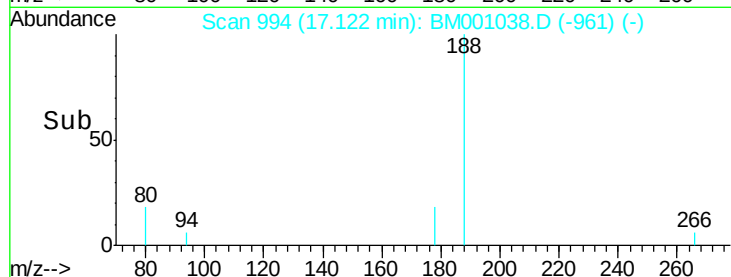
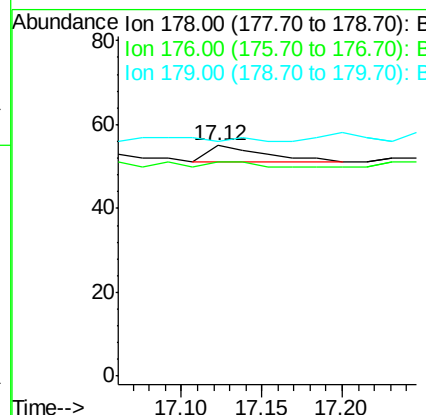
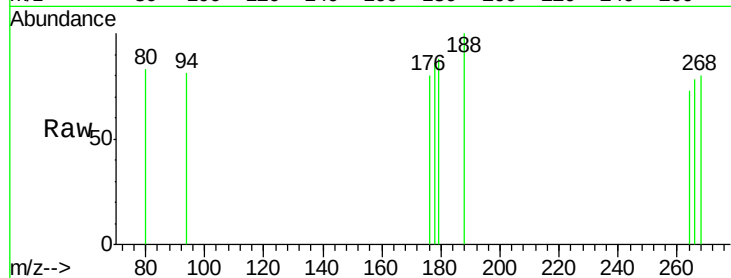
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 0.0 14.3 21.5#

179 0.0 11.8 17.8#



#18

Fluoranthene

Concen: 0.02 ng

RT: 19.06 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

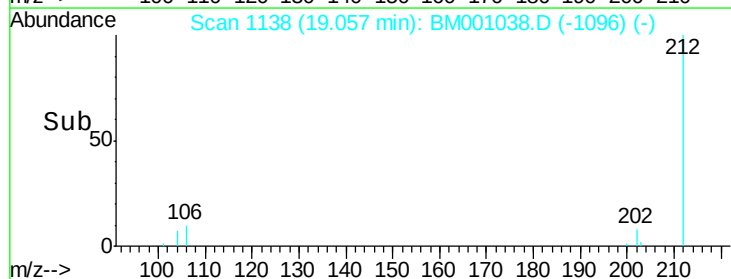
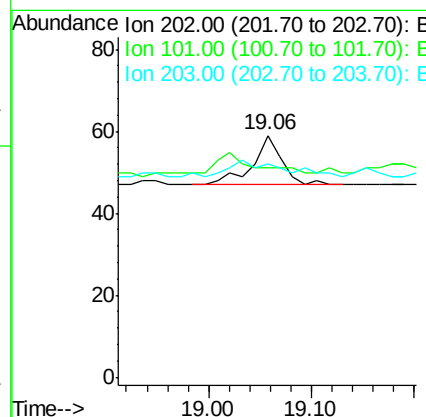
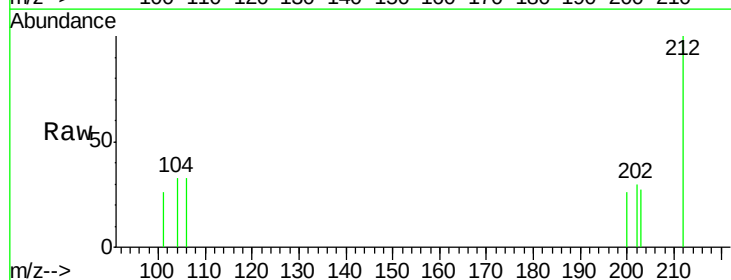
Tgt Ion:202 Resp: 24

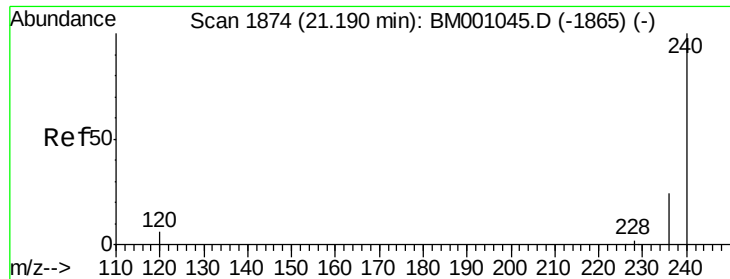
Ion Ratio Lower Upper

202 100

101 0.0 10.1 15.1#

203 0.0 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: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

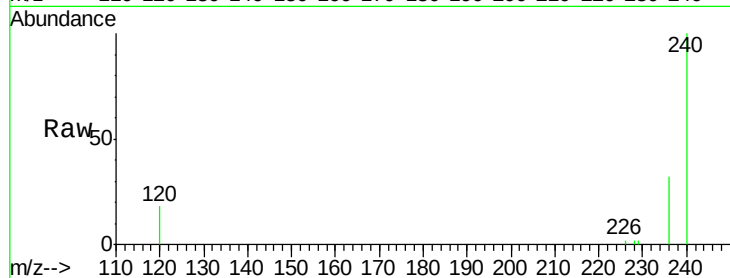
Tgt Ion:240 Resp: 4216

Ion Ratio Lower Upper

240 100

120 18.0 4.6 6.8#

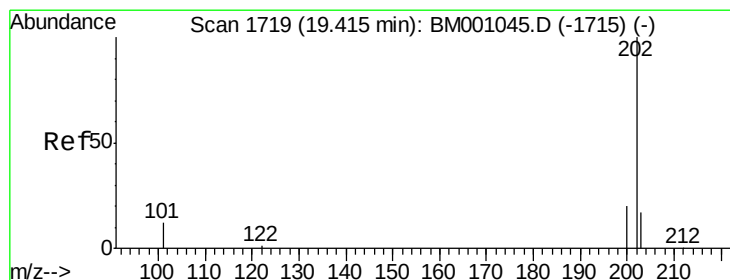
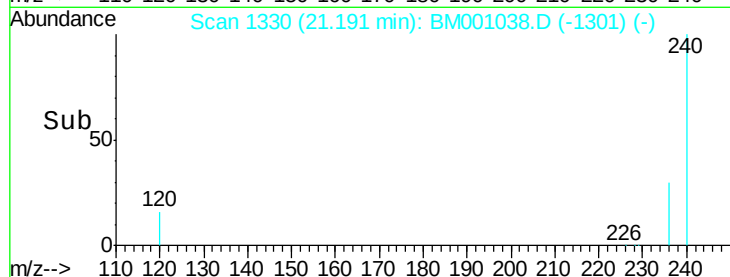
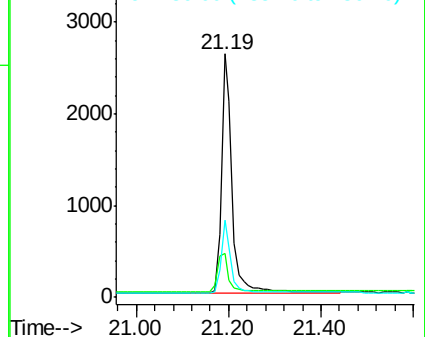
236 31.5 19.1 28.7#



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: 0.16 ng

RT: 19.42 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

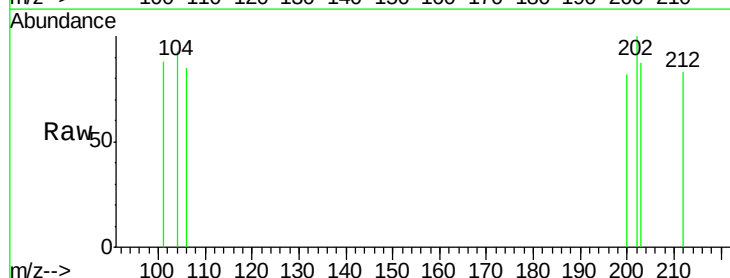
Tgt Ion:202 Resp: 20

Ion Ratio Lower Upper

202 100

200 25.0 16.3 24.5#

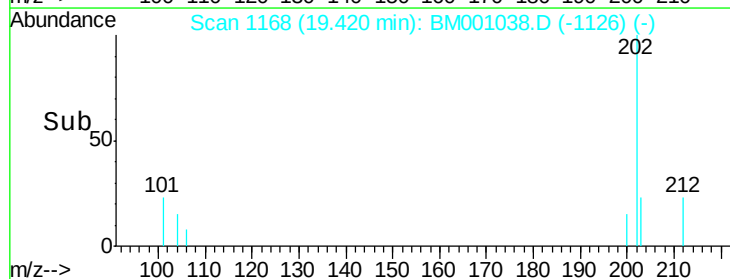
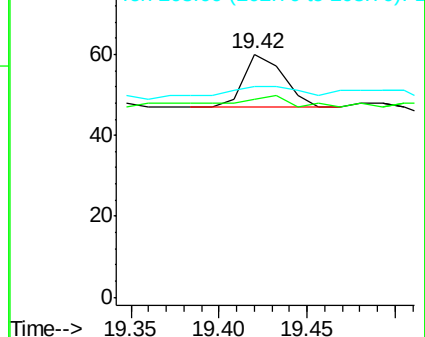
203 50.0 13.8 20.6#

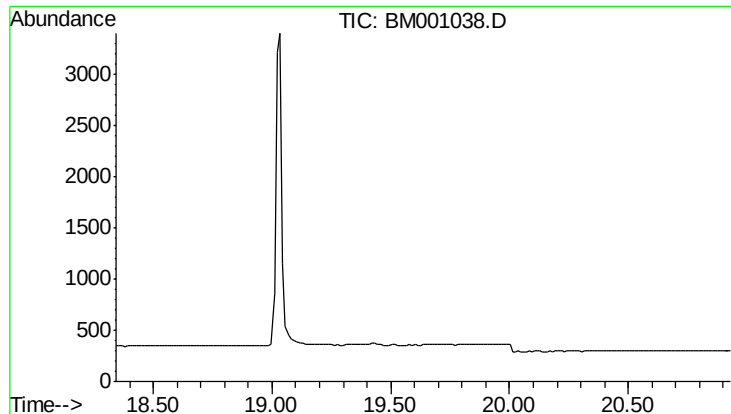


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

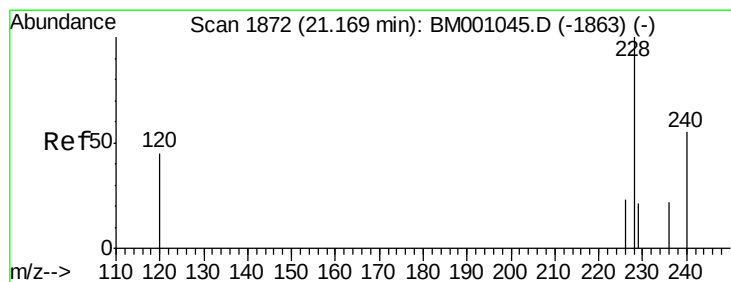
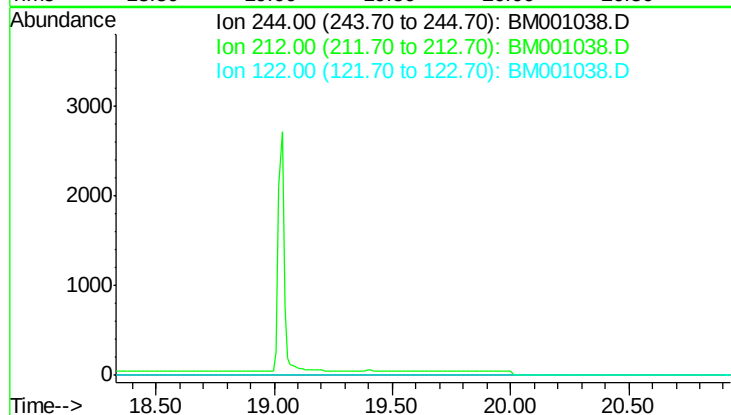




#21
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.63 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

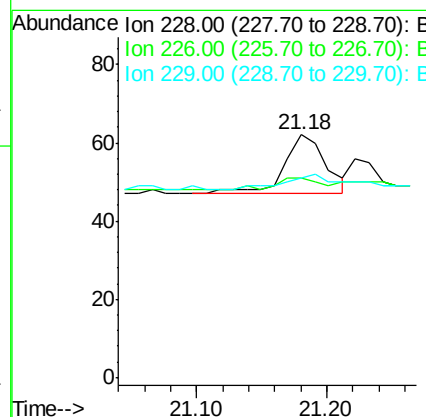
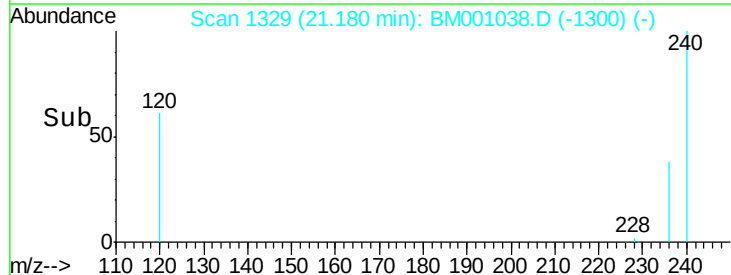
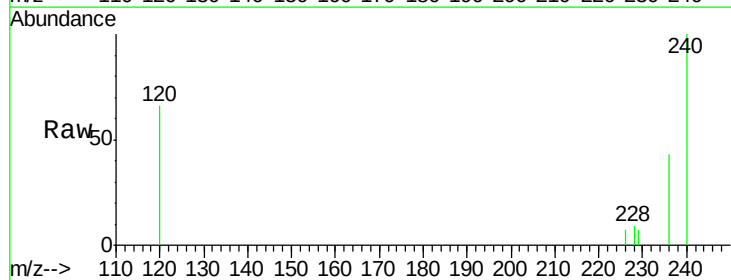
Instrument :
 BNA_M
 ClientSampleId :
 SBLK45

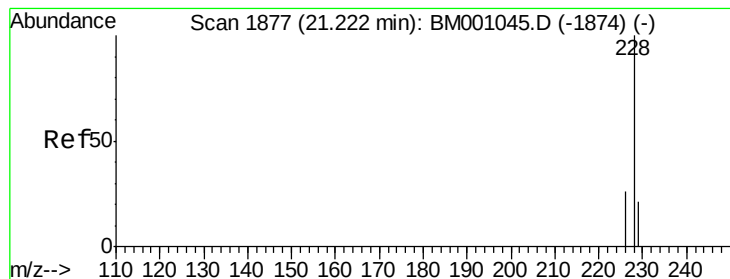
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 8.9
 122 7.4



#22
 Benzo(a)anthracene
 Concen: 0.18 ng
 RT: 21.18 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

Tgt Ion: 228 Resp: 33
 Ion Ratio Lower Upper
 228 100
 226 82.3 19.0 28.6#
 229 82.3 16.8 25.2#





#23

Chrysene

Concen: 0.13 ng

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

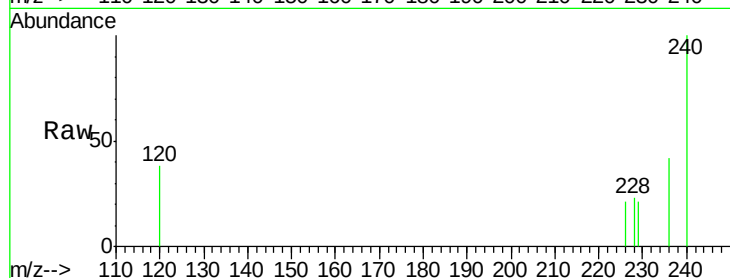
Tgt Ion: 228 Resp: 12

Ion Ratio Lower Upper

228 100

226 89.3 20.6 31.0#

229 89.3 17.2 25.8#

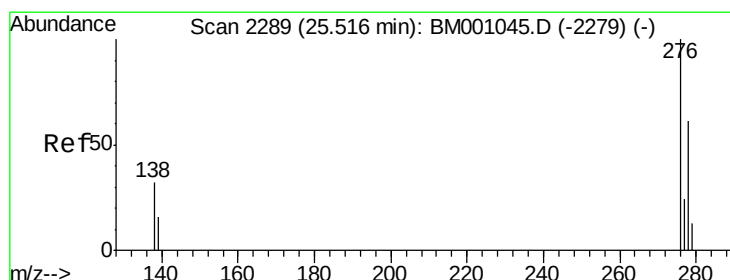
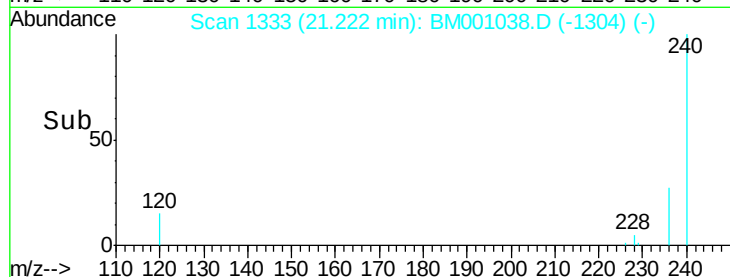
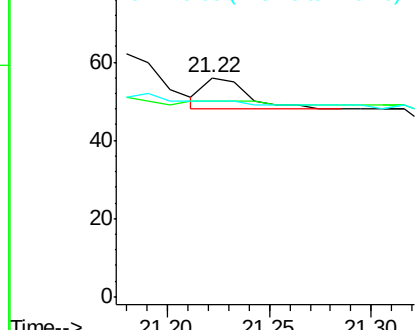


Abundance

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: 0.17 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.02 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

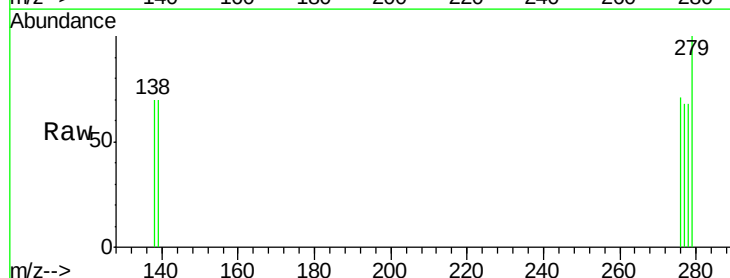
Tgt Ion: 276 Resp: 39

Ion Ratio Lower Upper

276 100

138 0.0 26.3 39.5#

277 33.3 19.5 29.3#

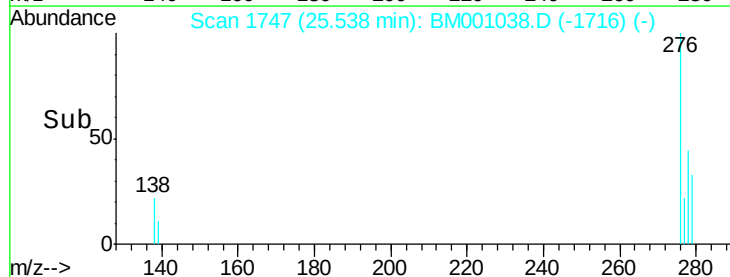
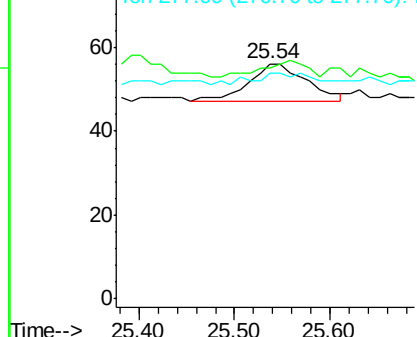


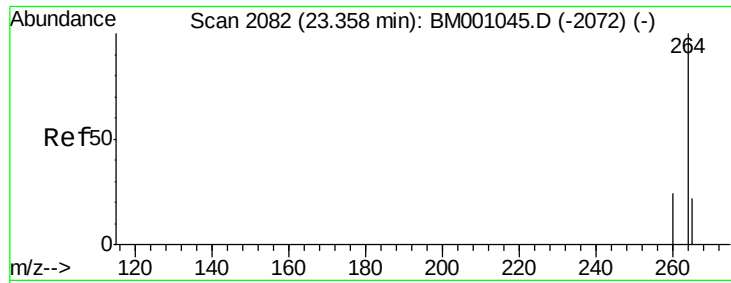
Abundance

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

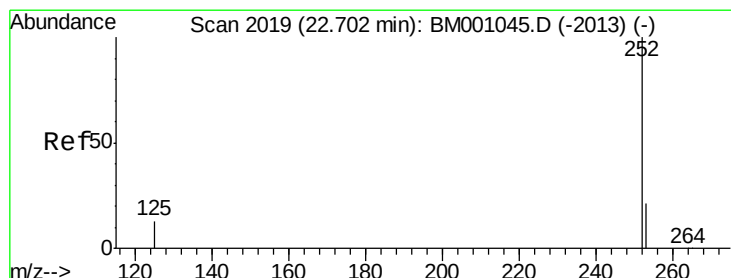
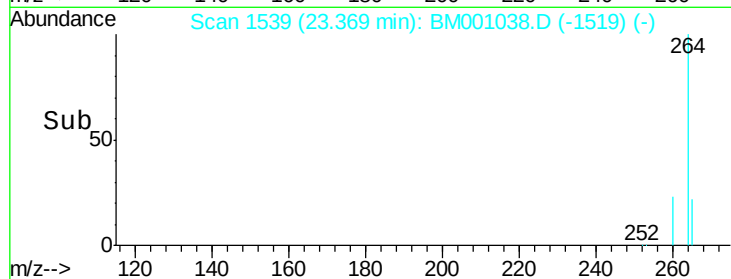
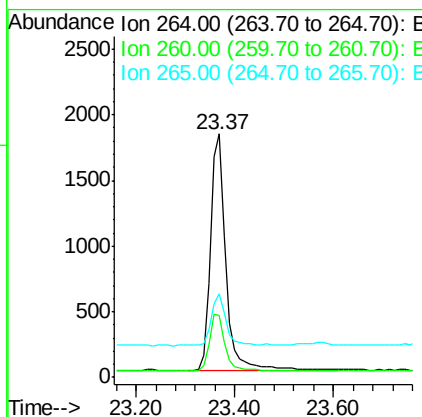
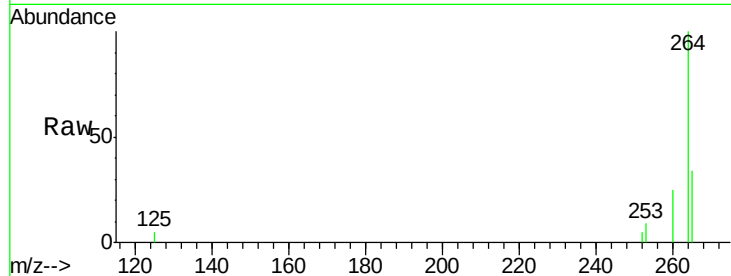




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.37 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

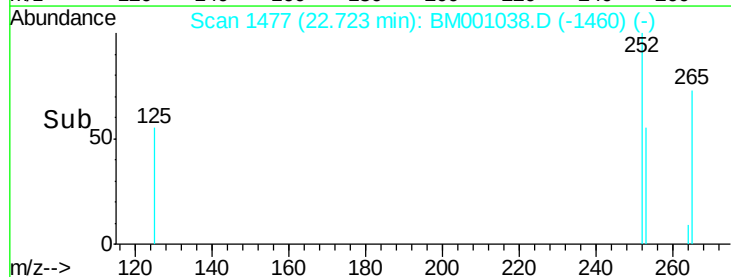
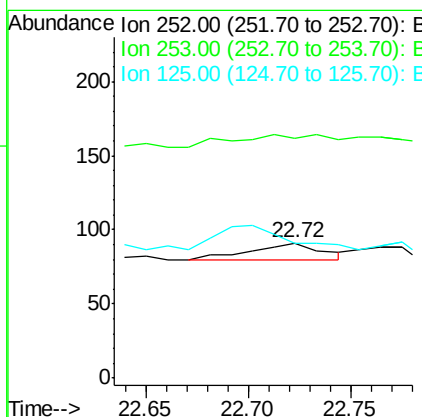
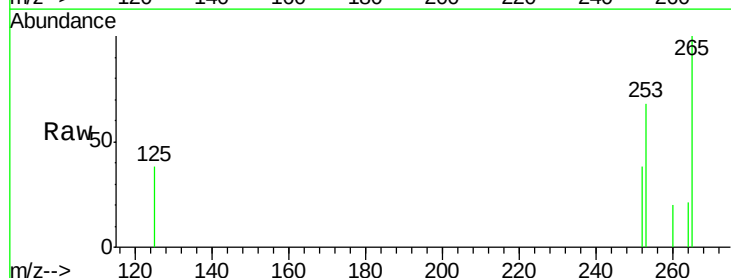
Instrument :
 BNA_M
 ClientSampleId :
 SBLK45

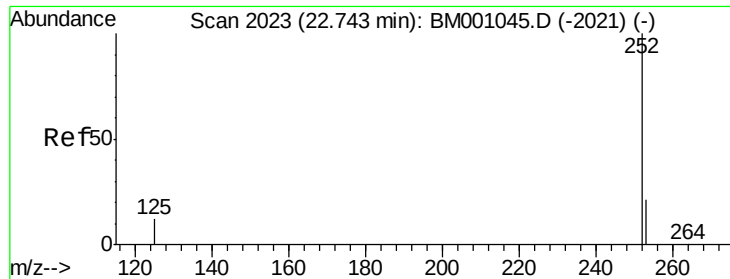
Tgt Ion: 264 Resp: 3927
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.0 28.6
 265 34.4 17.9 26.9#



#26
 Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 22.72 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: BM001038.D
 Acq: 17 Apr 2015 19:09

Tgt Ion: 252 Resp: 26
 Ion Ratio Lower Upper
 252 100
 253 178.0 18.2 27.2#
 125 100.0 10.9 16.3#

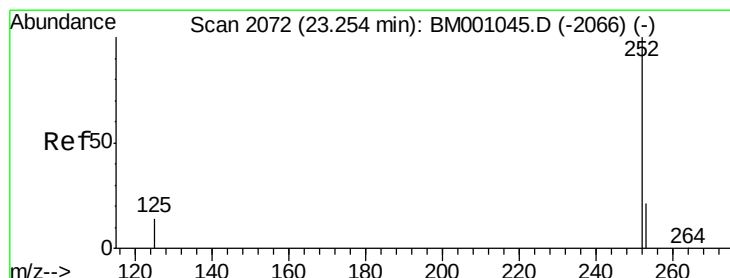
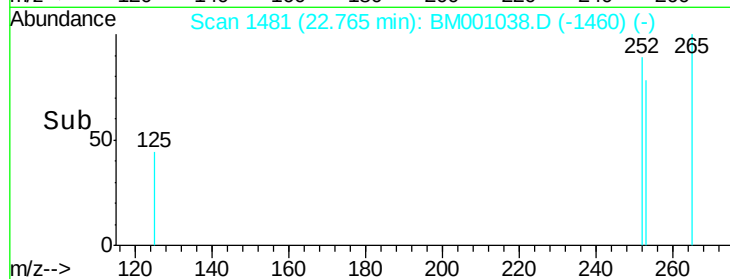
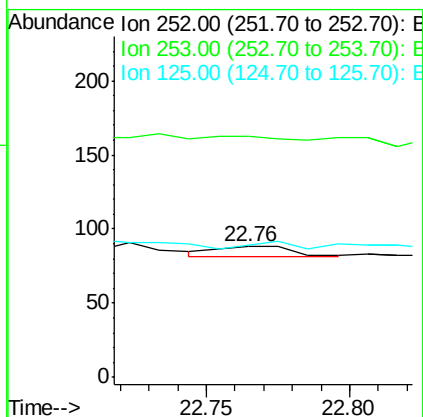
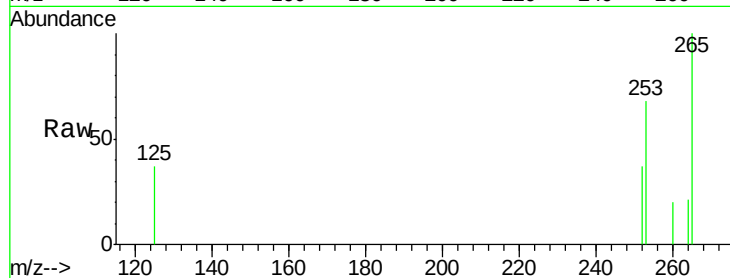




#27
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 22.76 min Scan# 1481
Delta R.T. 0.02 min
Lab File: BM001038.D
Acq: 17 Apr 2015 19:09

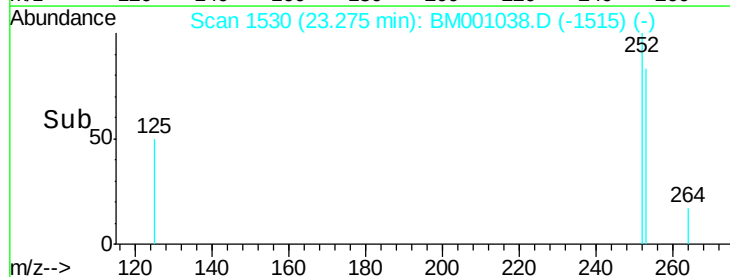
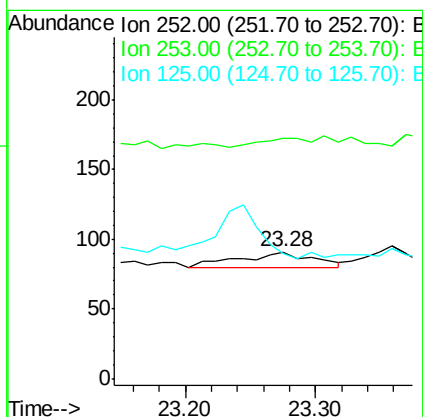
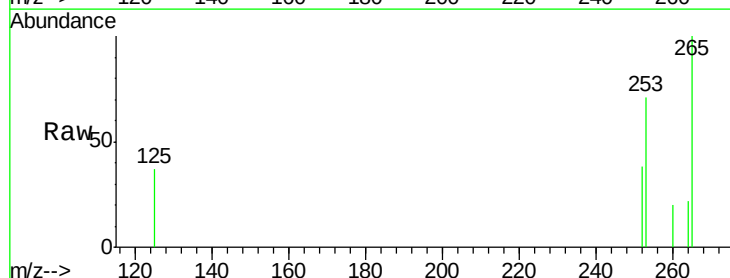
Instrument :
BNA_M
ClientSampleId :
SBLK45

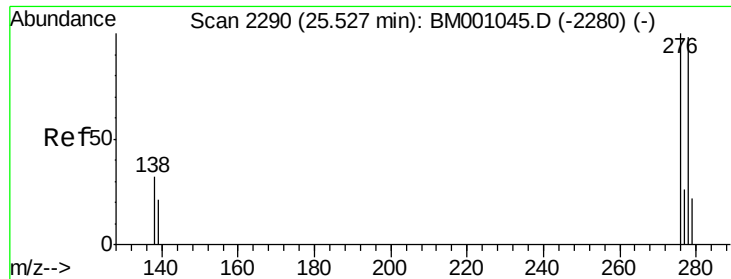
Tgt Ion: 252 Resp: 14
Ion Ratio Lower Upper
252 100
253 185.2 18.3 27.5#
125 101.1 10.6 15.8#



#28
Benzo(a)pyrene
Concen: 0.20 ng
RT: 23.28 min Scan# 1530
Delta R.T. 0.02 min
Lab File: BM001038.D
Acq: 17 Apr 2015 19:09

Tgt Ion: 252 Resp: 41
Ion Ratio Lower Upper
252 100
253 189.0 18.6 27.8#
125 98.9 11.9 17.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.19 ng

RT: 25.55 min Scan# 1748

Delta R.T. 0.02 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SBLK45

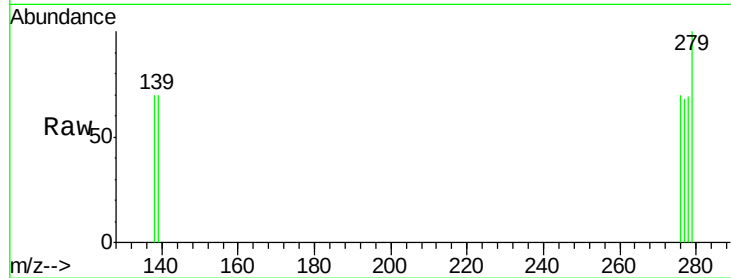
Tgt Ion: 278 Resp: 29

Ion Ratio Lower Upper

278 100

139 101.8 18.2 27.2#

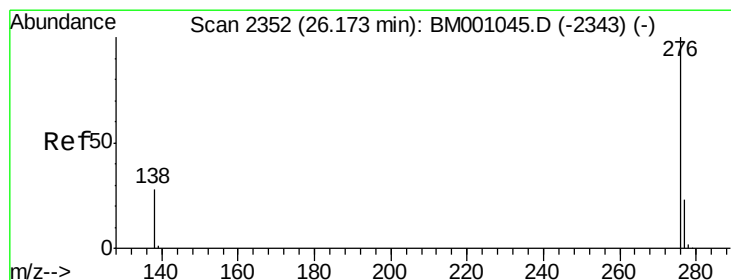
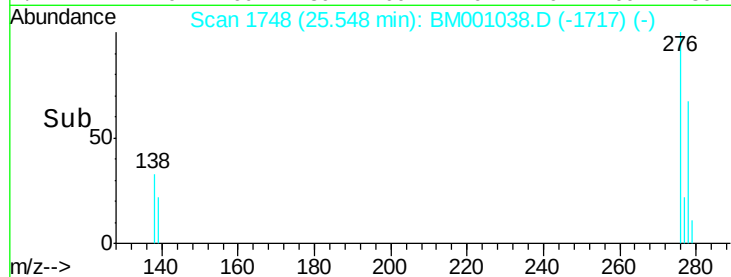
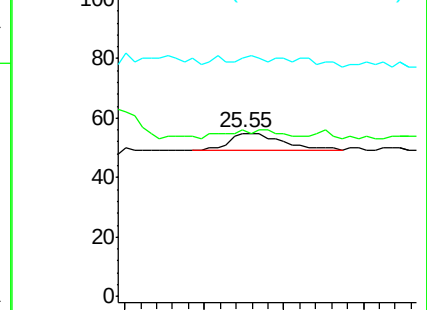
279 145.5 19.1 28.7#



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: 0.18 ng

RT: 26.20 min Scan# 1811

Delta R.T. 0.03 min

Lab File: BM001038.D

Acq: 17 Apr 2015 19:09

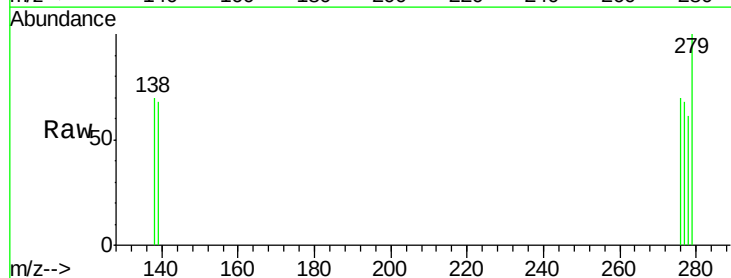
Tgt Ion: 276 Resp: 39

Ion Ratio Lower Upper

276 100

277 96.4 19.0 28.4#

138 100.0 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

