

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042215\
 Data File : BM001110.D
 Acq On : 22 Apr 2015 18:10
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: Apr 23 03:44:12 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 08:05:22 2015
 Response via : Initial Calibration

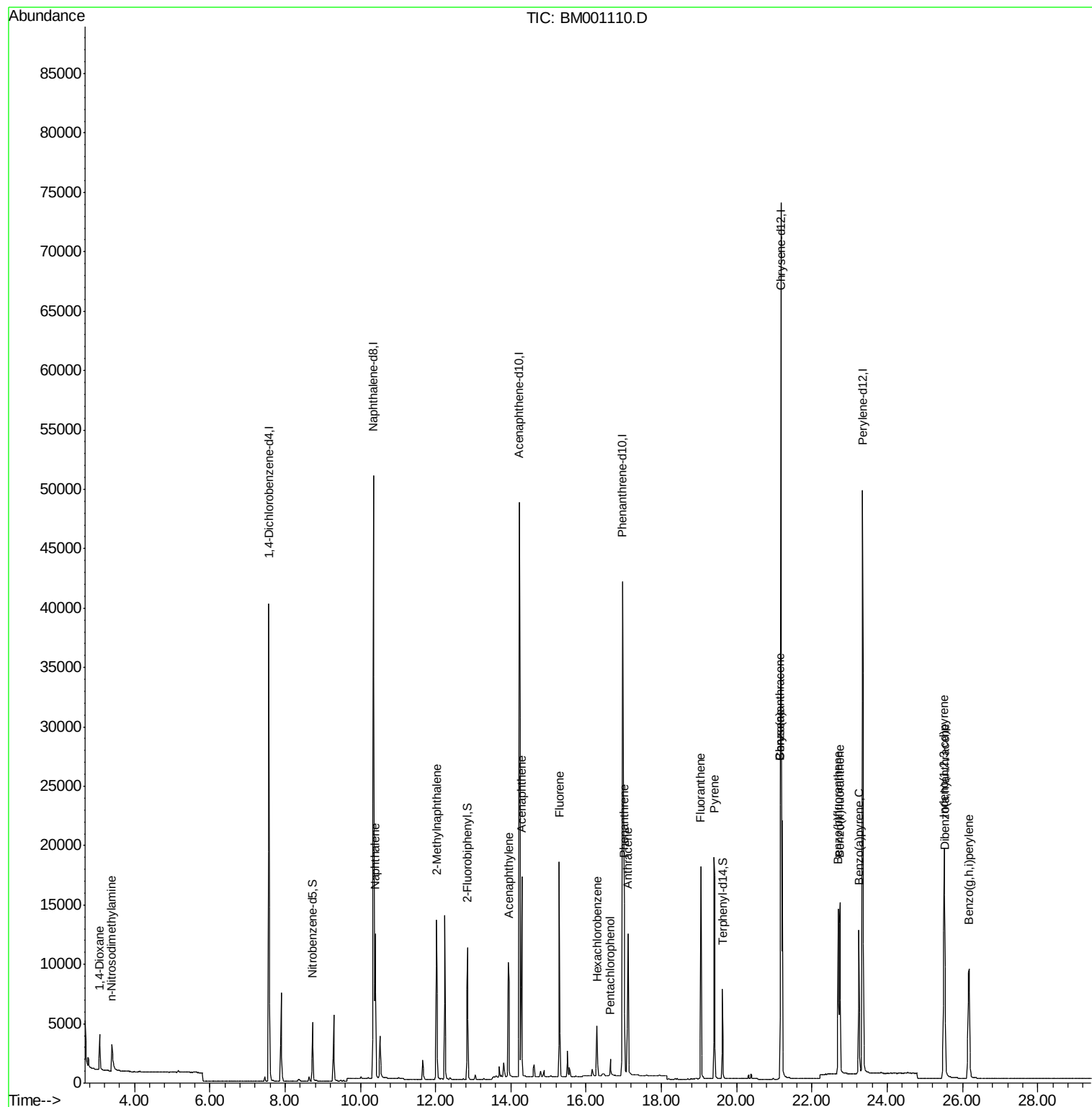
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	19895	5.00	ng	0.00
4) Naphthalene-d8	10.35	136	67448	5.00	ng	-0.01
8) Acenaphthene-d10	14.22	164	31958	5.00	ng	-0.02
13) Phenanthrene-d10	16.97	188	63836	5.00	ng	-0.02
19) Chrysene-d12	21.18	240	61623	5.00	ng	-0.01
25) Perylene-d12	23.35	264	59736	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.73	82	4239	1.20	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	10580	1.00	ng	-0.01
21) Terphenyl-d14	19.62	244	7685	0.94	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.07	88	1988	0.89	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	2593	1.23	ng	89
6) Naphthalene	10.40	128	15972	0.99	ng	98
7) 2-Methylnaphthalene	12.03	142	9890	0.95	ng	95
10) Acenaphthylene	13.93	152	15271	1.08	ng	99
11) Acenaphthene	14.29	154	9529	0.96	ng	100
12) Fluorene	15.29	166	11160	0.98	ng	97
14) Hexachlorobenzene	16.29	284	3719	1.05	ng	# 100
15) Pentachlorophenol	16.64	266	1263	1.25	ng	94
16) Phenanthrene	17.01	178	17781	1.05	ng	98
17) Anthracene	17.11	178	16013	1.03	ng	99
18) Fluoranthene	19.04	202	18770	1.06	ng	100
20) Pyrene	19.40	202	20096	0.98	ng	100
22) Benzo(a)anthracene	21.16	228	18809	1.05	ng	# 92
23) Chrysene	21.16	228	18809	1.00	ng	93
24) Indeno(1,2,3-cd)pyrene	25.51	276	22311	1.16	ng	98
26) Benzo(b)fluoranthene	22.70	252	20465	1.07	ng	97
27) Benzo(k)fluoranthene	22.74	252	17007	0.92	ng	98
28) Benzo(a)pyrene	23.24	252	17469	1.06	ng	98
29) Dibenzo(a,h)anthracene	25.53	278	17377	1.07	ng	96
30) Benzo(g,h,i)perylene	26.17	276	18586	1.06	ng	96

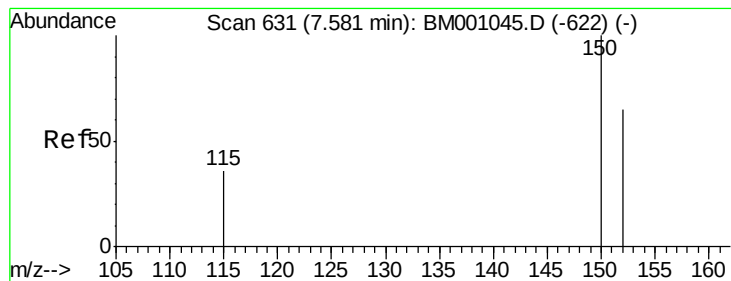
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

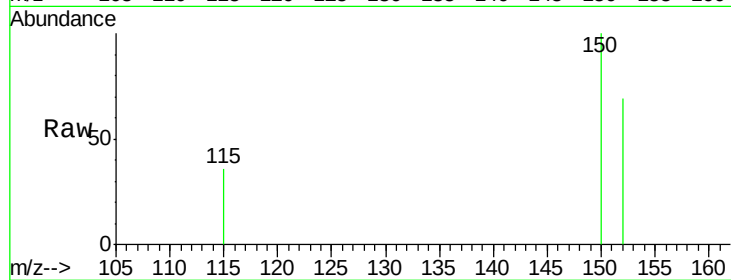
Tgt Ion: 152 Resp: 19895

Ion Ratio Lower Upper

152 100

150 145.9 123.3 184.9

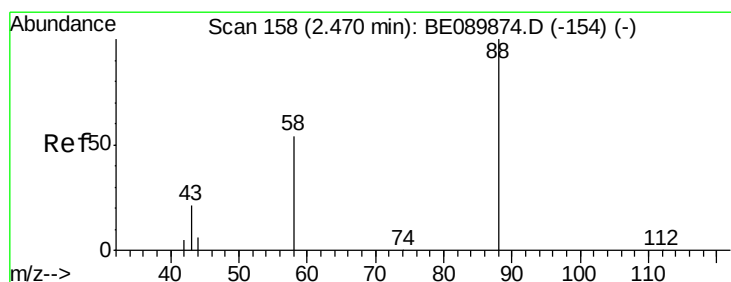
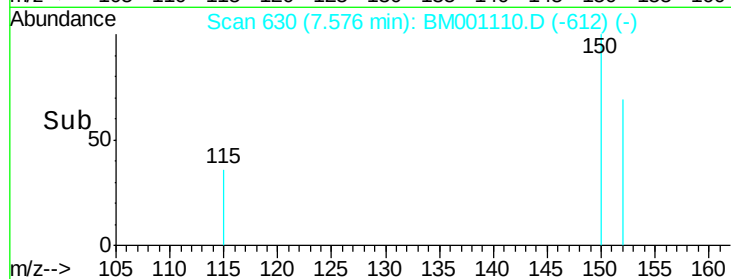
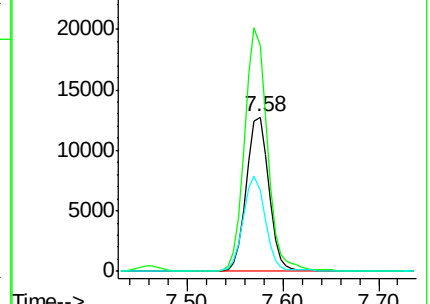
115 52.2 45.0 67.6



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: 0.89 ng

RT: 3.07 min Scan# 38

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

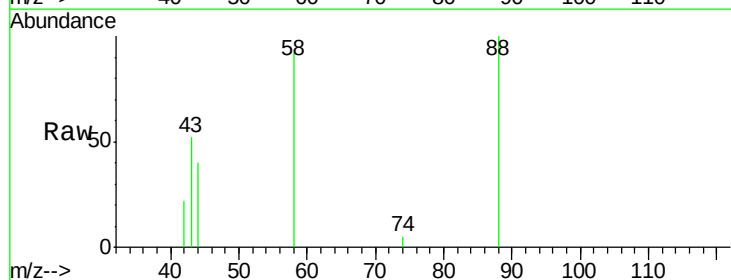
Tgt Ion: 88 Resp: 1988

Ion Ratio Lower Upper

88 100

58 83.2 0.0 0.0#

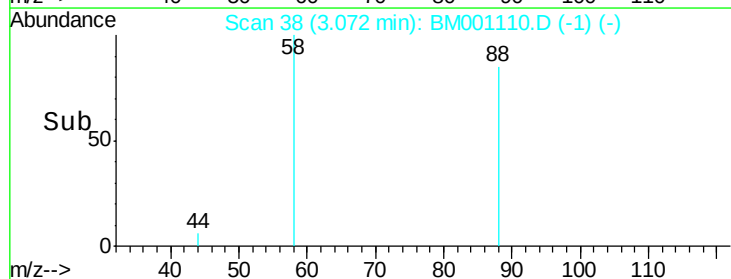
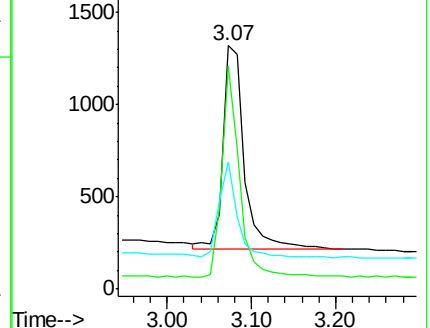
43 39.1 0.0 0.0#

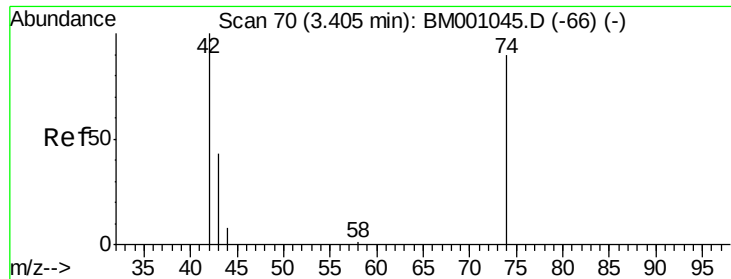


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 1.23 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

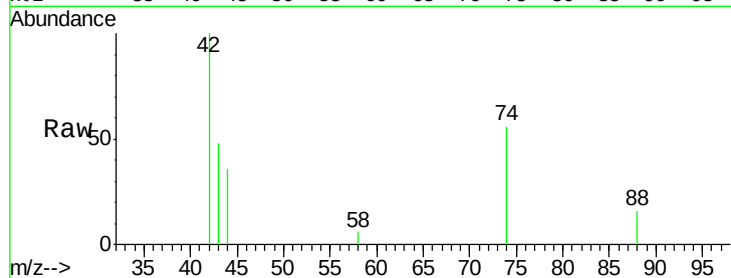
Tgt Ion: 42 Resp: 2593

Ion Ratio Lower Upper

42 100

74 102.9 92.1 138.1

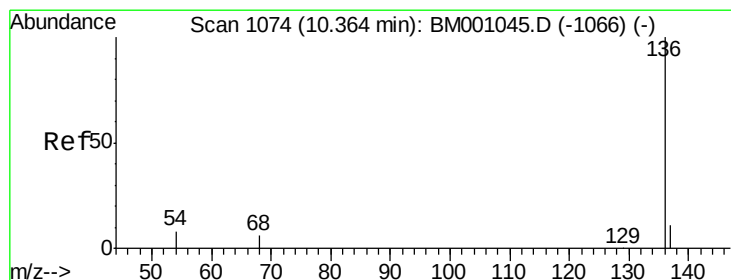
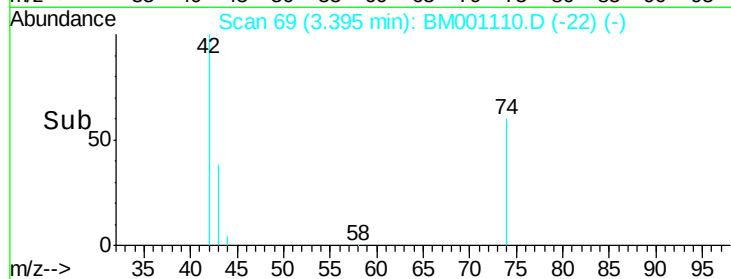
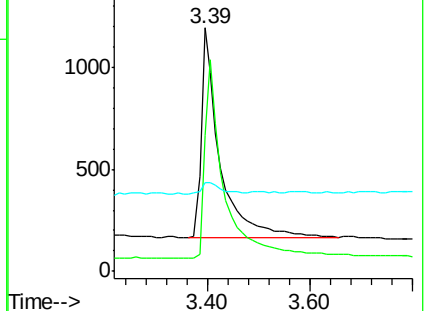
44 5.8 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001110.D (-22) (-)

Ion 74.00 (73.70 to 74.70): BM001110.D (-22) (-)

Ion 44.00 (43.70 to 44.70): BM001110.D (-22) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

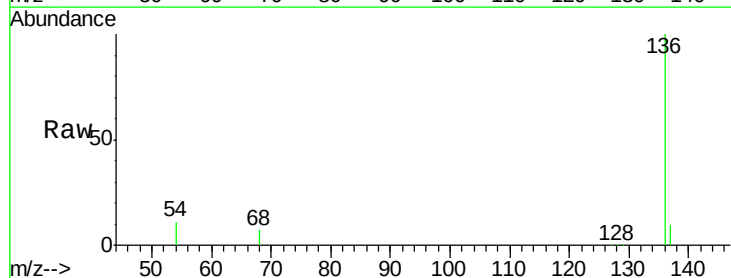
Tgt Ion: 136 Resp: 67448

Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

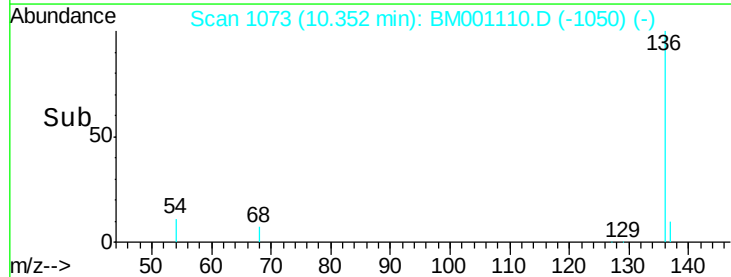
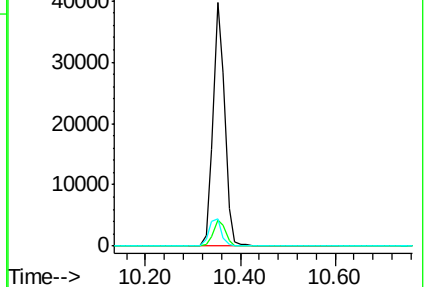
54 11.1 6.5 9.7#

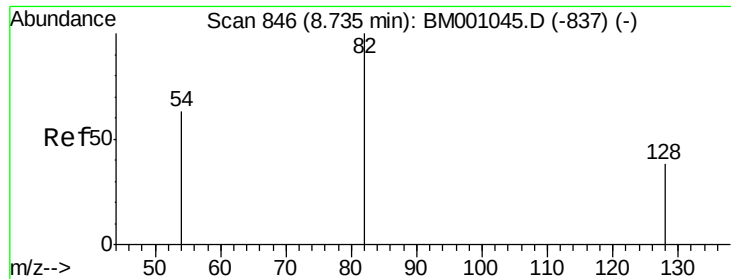


Abundance Ion 136.00 (135.70 to 136.70): BM001110.D (-1050) (-)

Ion 137.00 (136.70 to 137.70): BM001110.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BM001110.D (-1050) (-)





#5

Nitrobenzene-d5

Concen: 1.20 ng

RT: 8.73 min Scan# 845

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

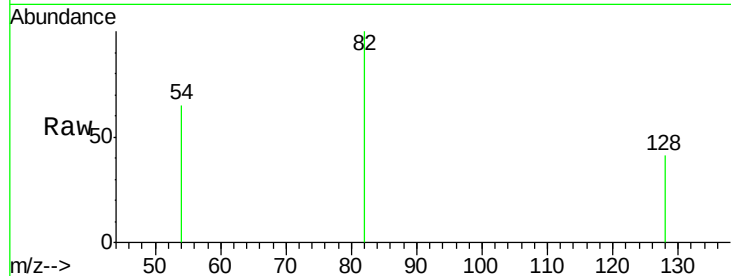
Tgt Ion: 82 Resp: 4239

Ion Ratio Lower Upper

82 100

128 40.5 31.9 47.9

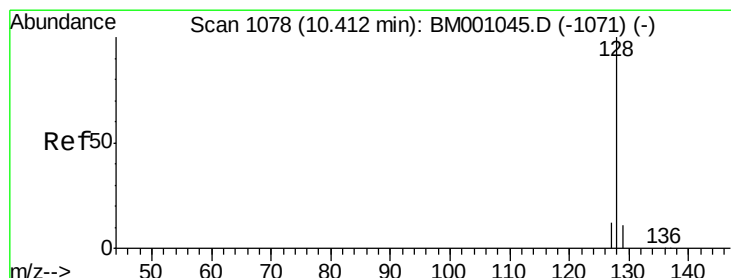
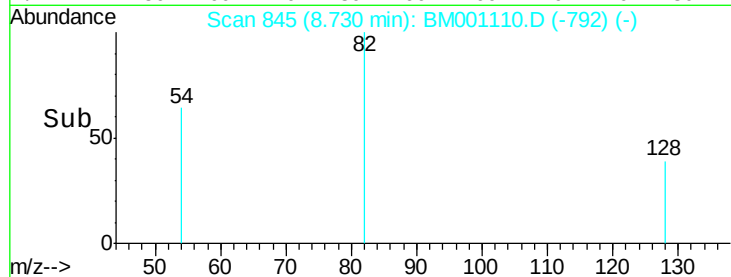
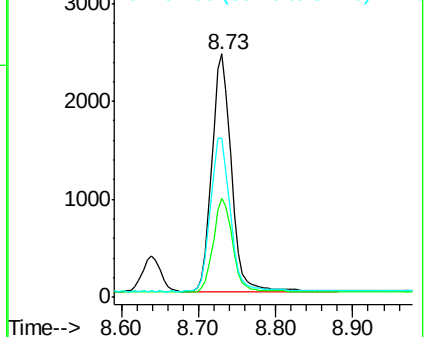
54 65.2 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001110.D (-792) (-)

Ion 128.00 (127.70 to 128.70): BM001110.D (-792) (-)

Ion 54.00 (53.70 to 54.70): BM001110.D (-792) (-)



#6

Naphthalene

Concen: 0.99 ng

RT: 10.40 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

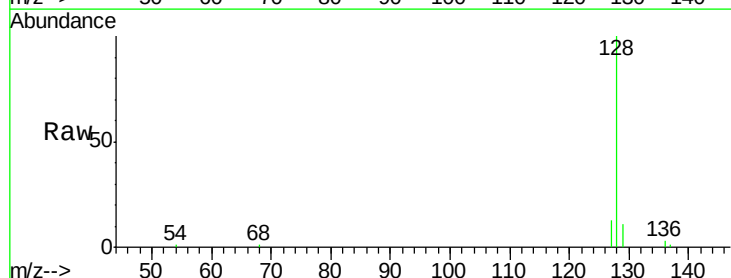
Tgt Ion: 128 Resp: 15972

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

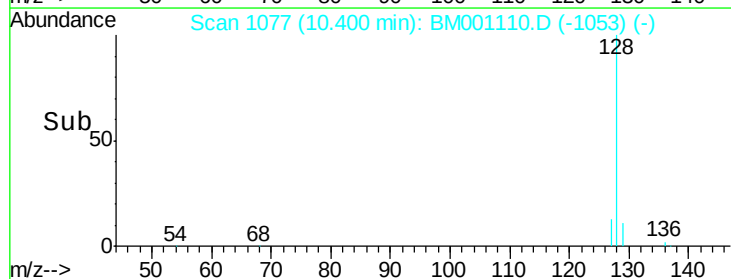
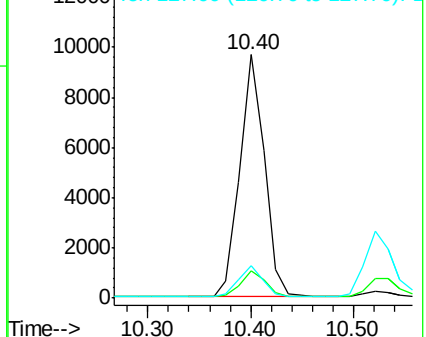
127 13.3 10.0 15.0

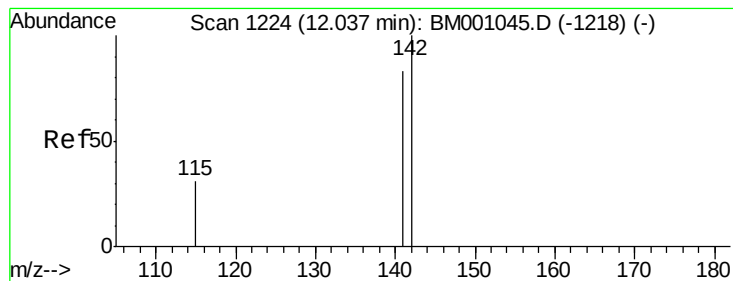


Abundance Ion 128.00 (127.70 to 128.70): BM001110.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001110.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001110.D (-1053) (-)





#7

2-Methylnaphthalene

Concen: 0.95 ng

RT: 12.03 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

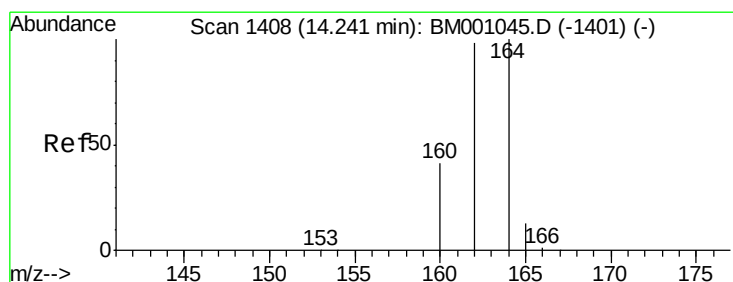
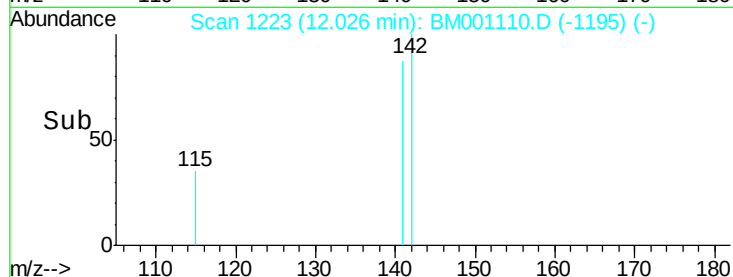
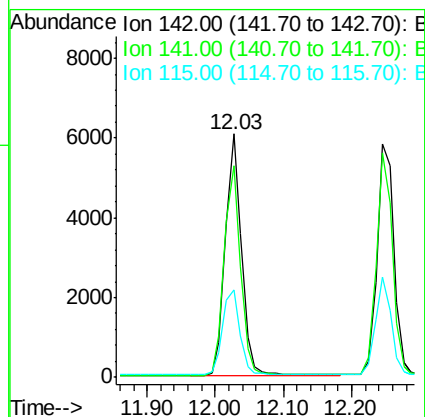
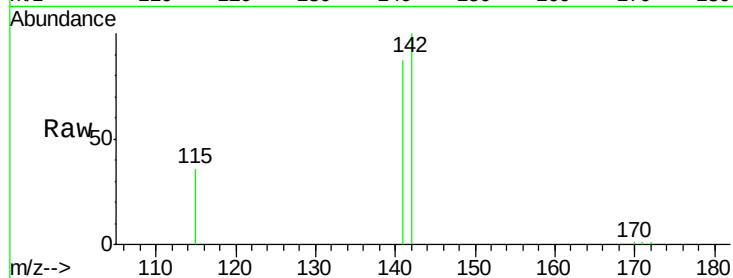
Tgt Ion:142 Resp: 9890

Ion Ratio Lower Upper

142 100

141 87.1 66.7 100.1

115 36.0 25.5 38.3



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 1407

Delta R.T. -0.02 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

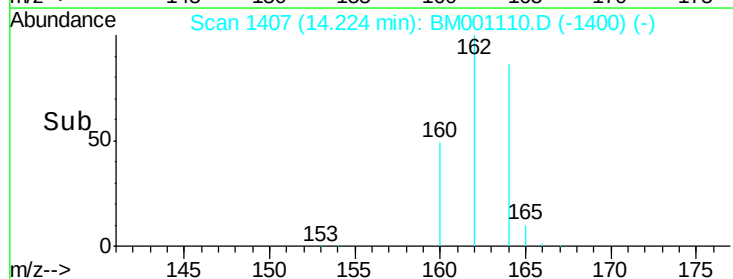
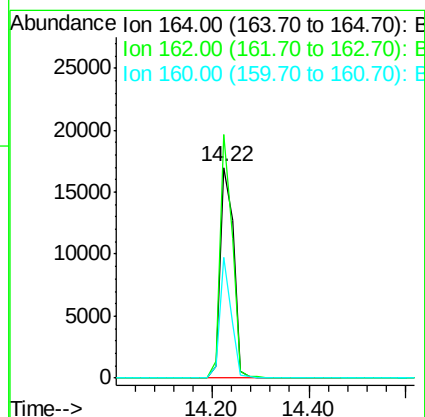
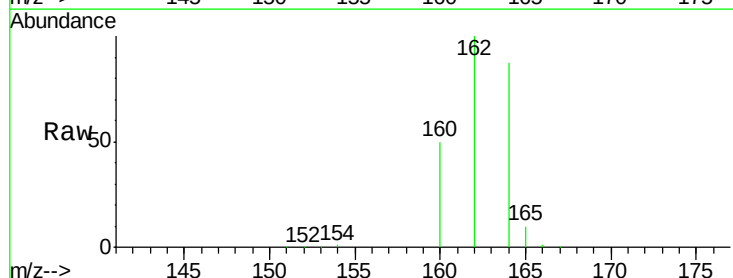
Tgt Ion:164 Resp: 31958

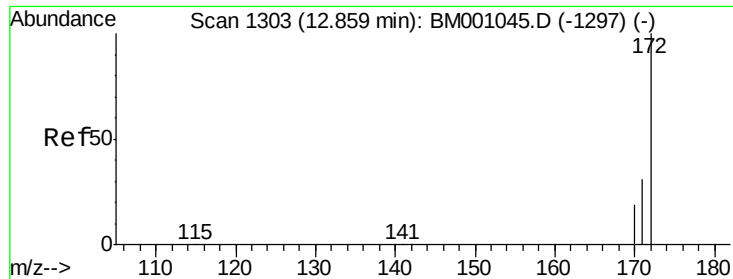
Ion Ratio Lower Upper

164 100

162 115.6 78.5 117.7

160 57.2 32.9 49.3





#9

2-Fluorobiphenyl

Concen: 1.00 ng

RT: 12.85 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

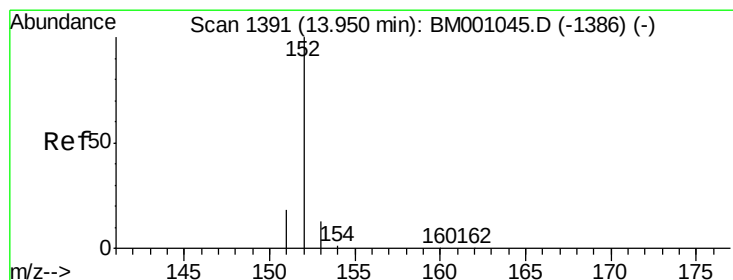
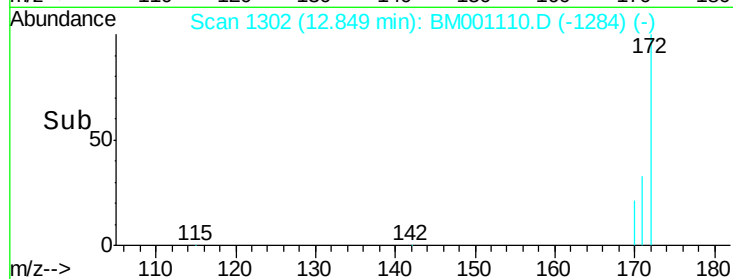
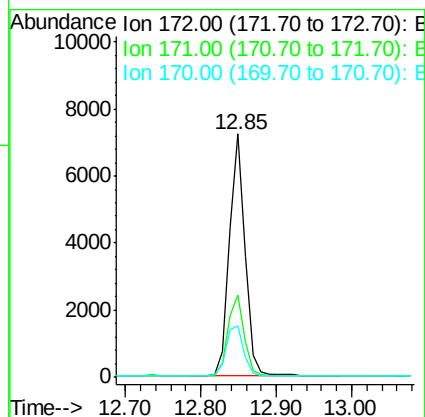
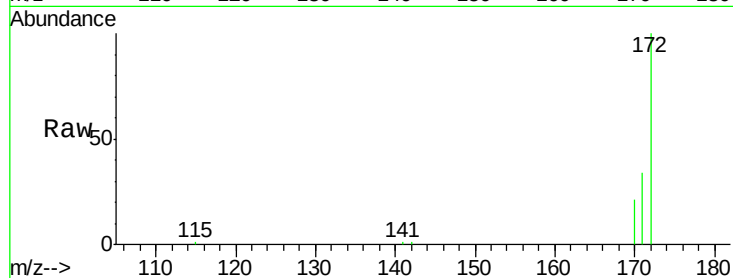
Tgt Ion:172 Resp: 10580

Ion Ratio Lower Upper

172 100

171 33.6 25.6 38.4

170 21.3 15.8 23.6



#10

Acenaphthylene

Concen: 1.08 ng

RT: 13.93 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

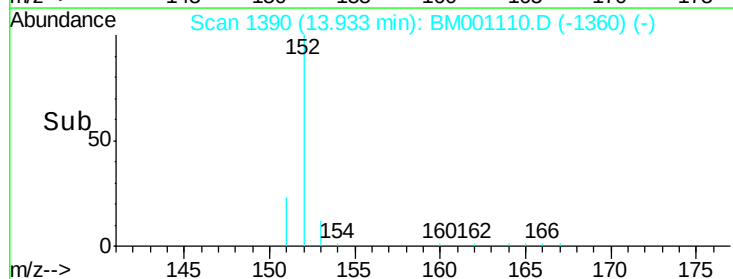
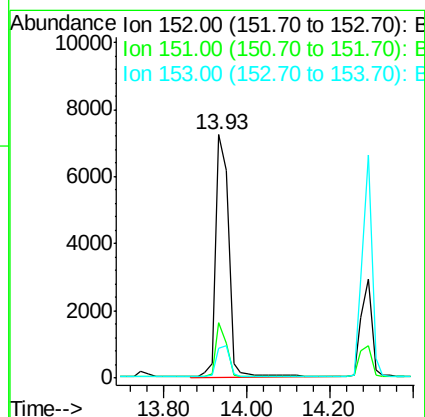
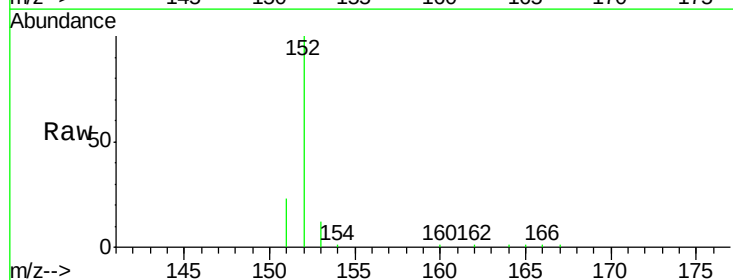
Tgt Ion:152 Resp: 15271

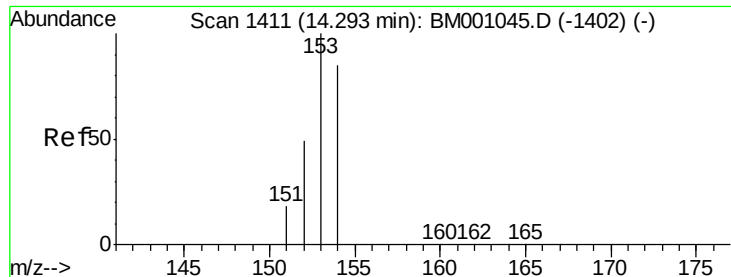
Ion Ratio Lower Upper

152 100

151 18.9 14.7 22.1

153 12.8 10.2 15.2





#11

Acenaphthene

Concen: 0.96 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

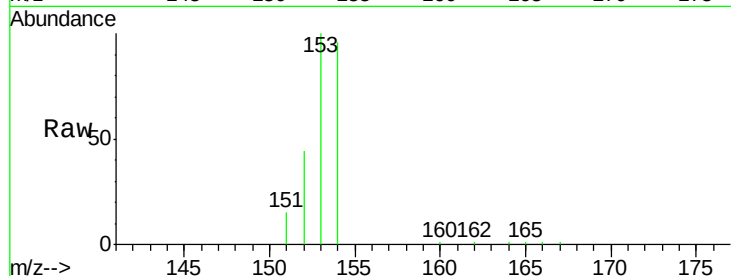
Tgt Ion:154 Resp: 9529

Ion Ratio Lower Upper

154 100

153 110.0 88.1 132.1

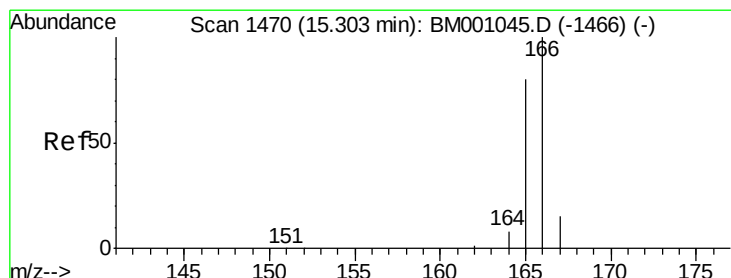
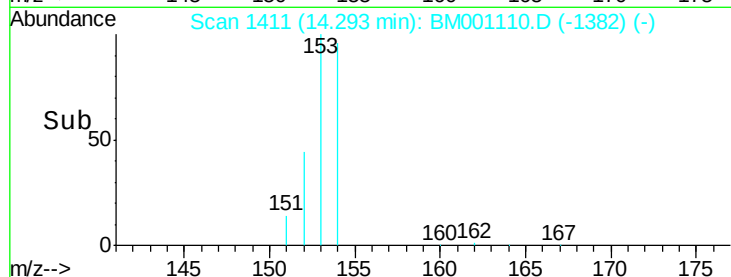
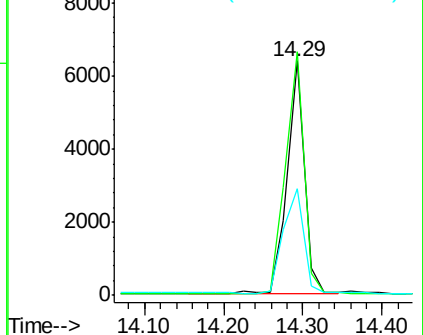
152 53.1 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.98 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

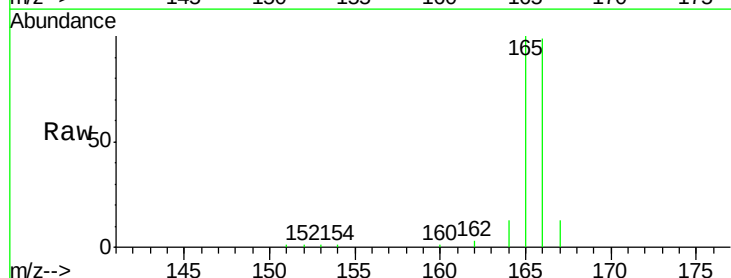
Tgt Ion:166 Resp: 11160

Ion Ratio Lower Upper

166 100

165 100.1 77.6 116.4

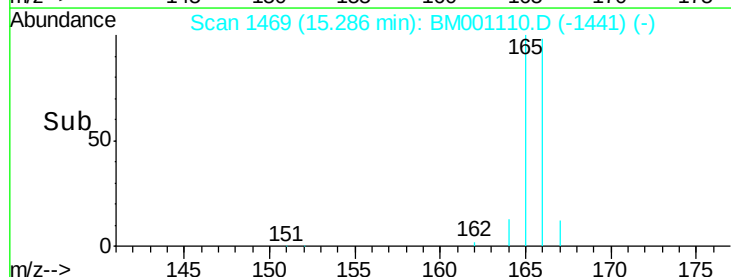
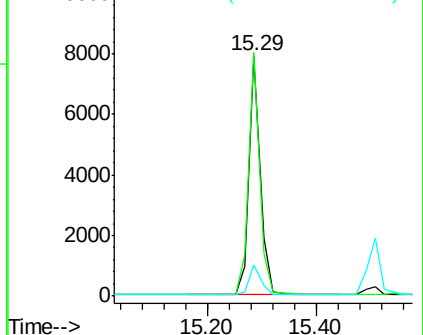
167 13.3 10.6 16.0

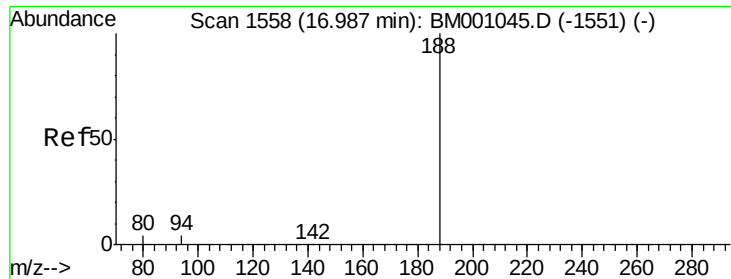


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.97 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

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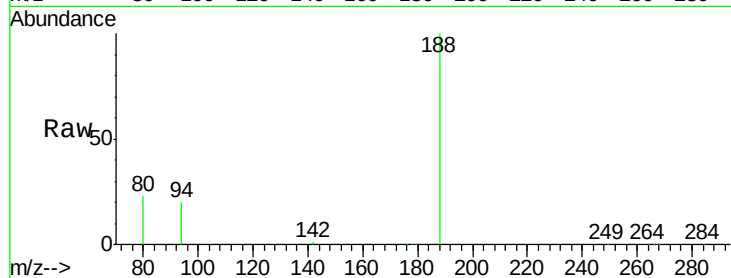
Tgt Ion:188 Resp: 63836

Ion Ratio Lower Upper

188 100

94 19.7 3.6 5.4#

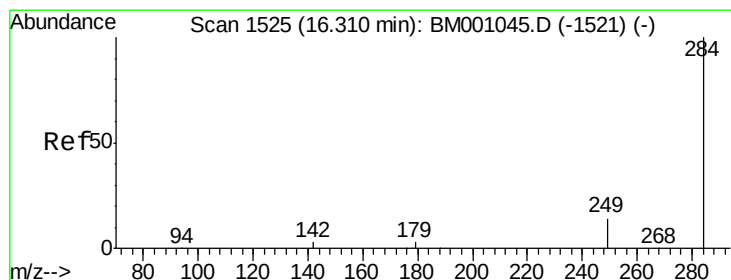
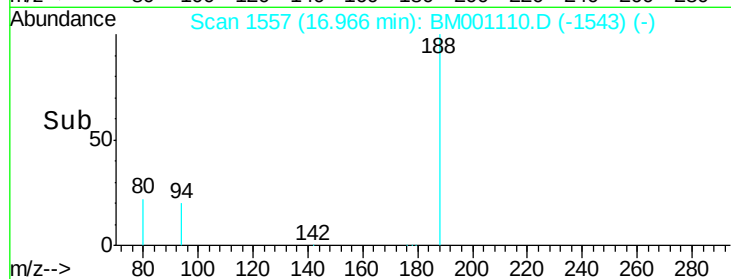
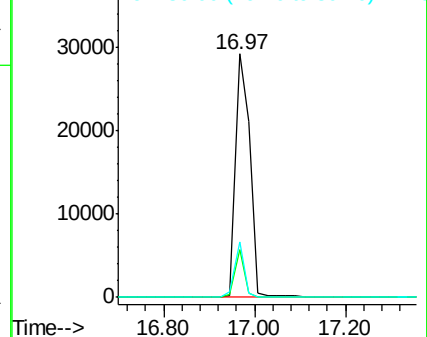
80 22.6 3.0 4.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#14

Hexachlorobenzene

Concen: 1.05 ng

RT: 16.29 min Scan# 1524

Delta R.T. -0.02 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

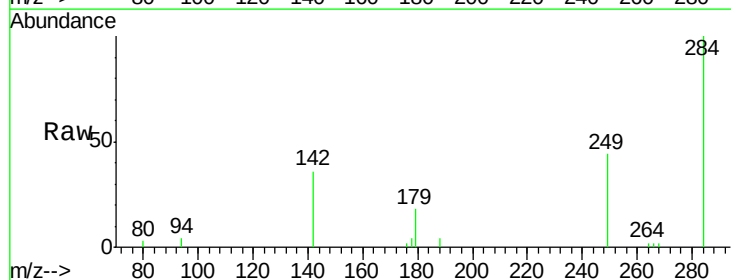
Tgt Ion:284 Resp: 3719

Ion Ratio Lower Upper

284 100

142 40.0 0.0 0.0#

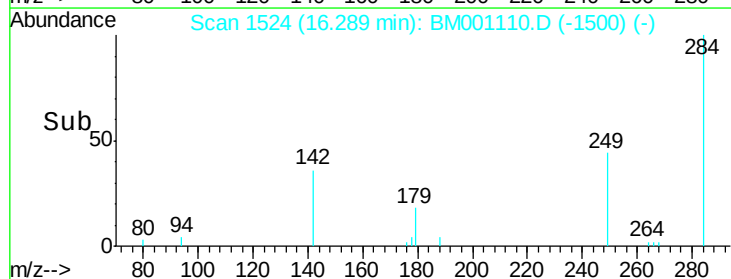
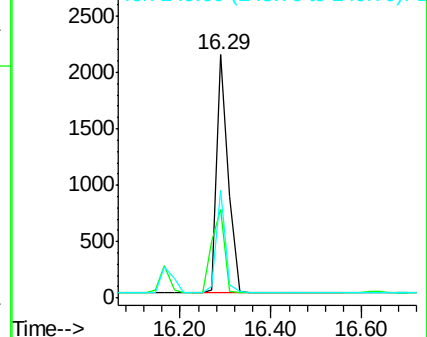
249 34.7 0.0 0.0#

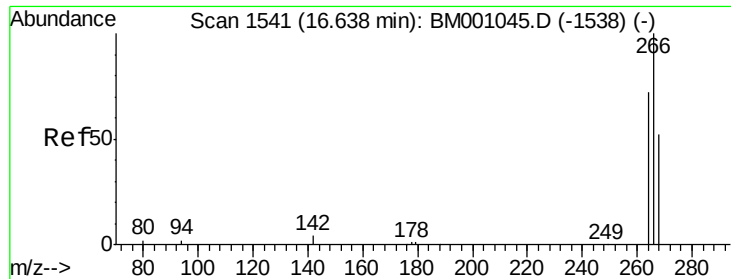


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

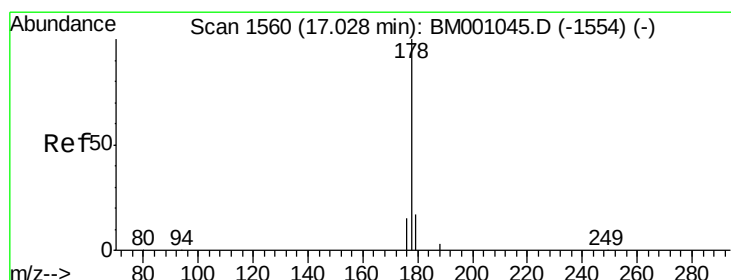
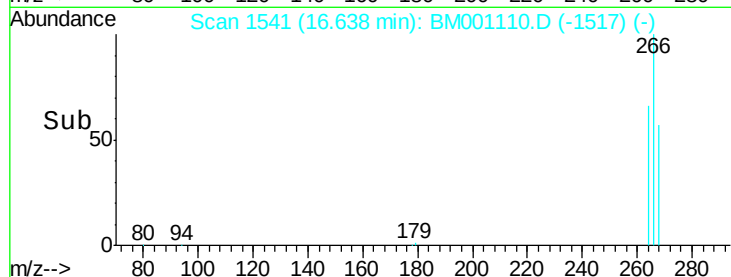
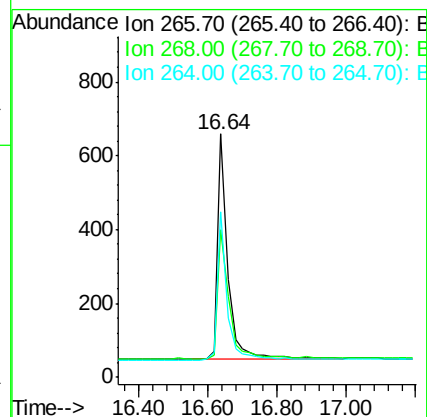
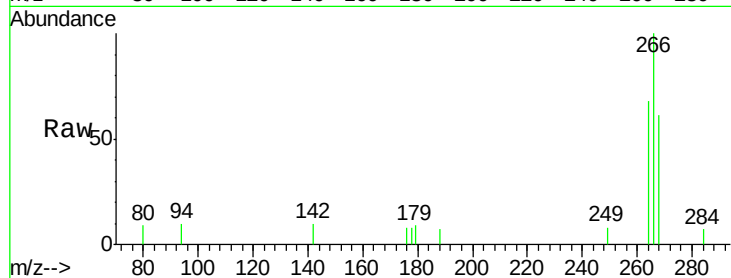




#15
 Pentachlorophenol
 Concen: 1.25 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001110.D
 Acq: 22 Apr 2015 18:10

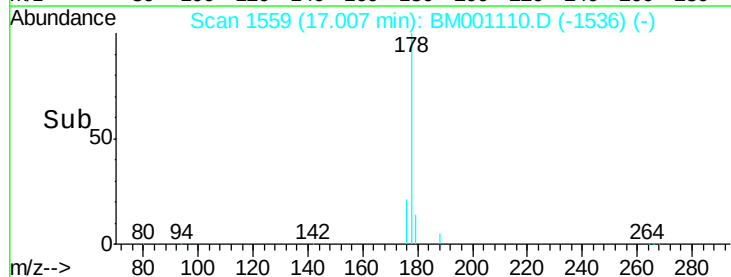
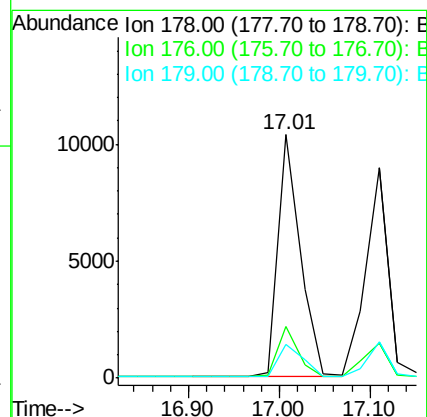
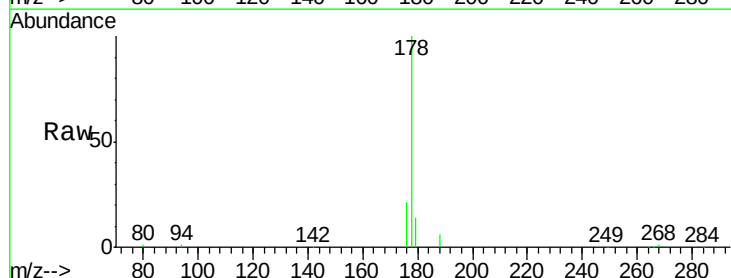
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

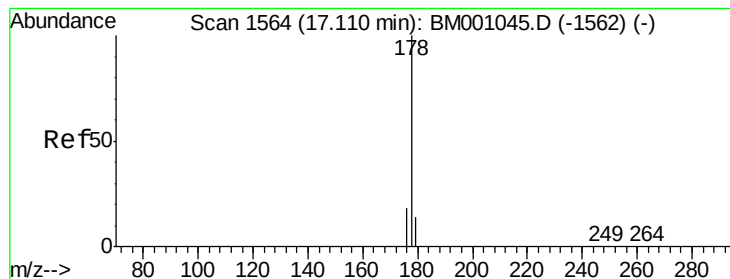
Tgt Ion: 266 Resp: 1263
 Ion Ratio Lower Upper
 266 100
 268 60.8 46.3 69.5
 264 68.0 59.8 89.6



#16
 Phenanthrene
 Concen: 1.05 ng
 RT: 17.01 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BM001110.D
 Acq: 22 Apr 2015 18:10

Tgt Ion: 178 Resp: 17781
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.6 22.0
 179 15.3 12.6 19.0





#17

Anthracene

Concen: 1.03 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

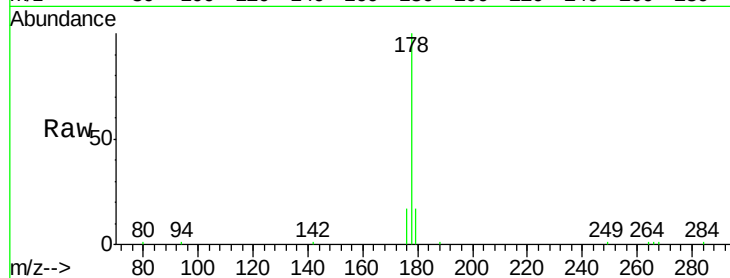
Tgt Ion:178 Resp: 16013

Ion Ratio Lower Upper

178 100

176 17.8 14.3 21.5

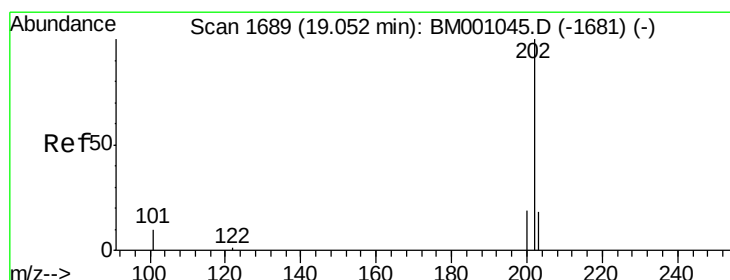
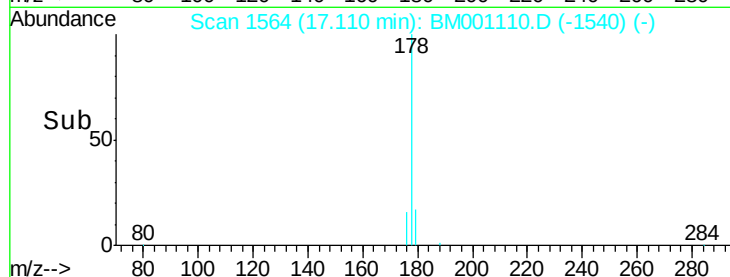
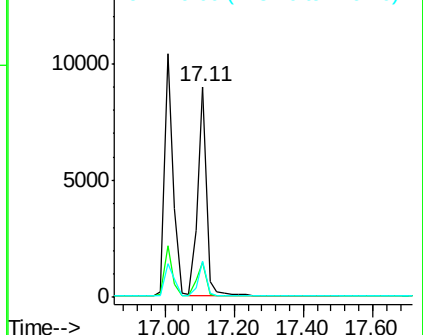
179 15.5 11.8 17.8



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: 1.06 ng

RT: 19.04 min Scan# 1688

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

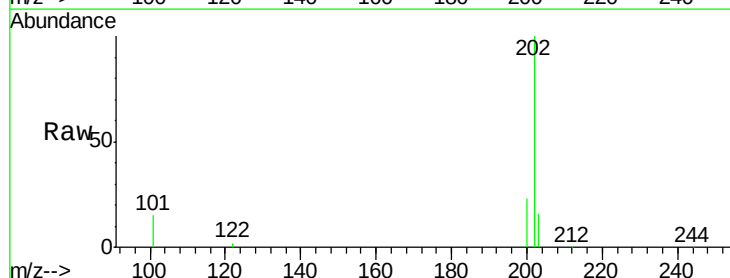
Tgt Ion:202 Resp: 18770

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

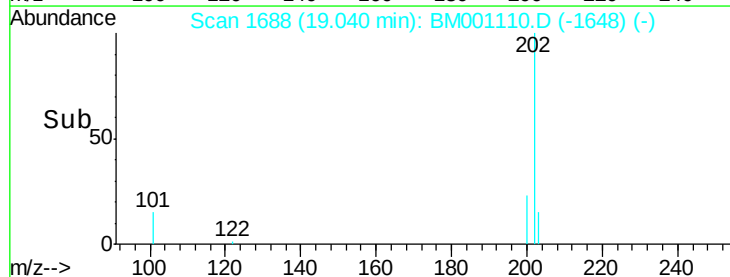
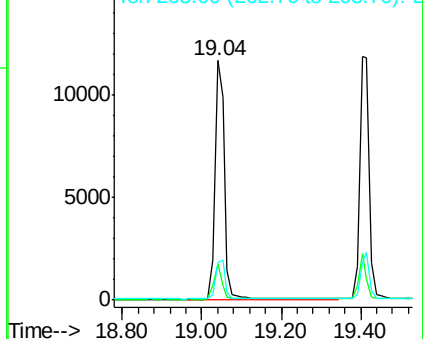
203 17.2 13.8 20.8

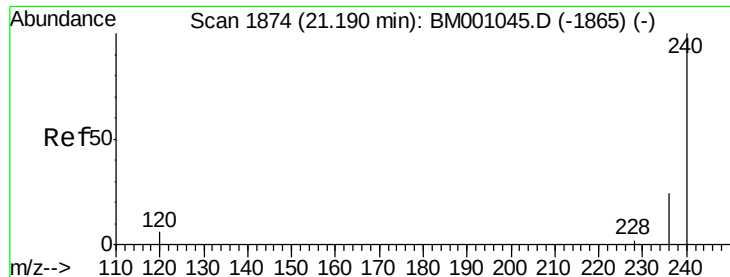


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.18 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

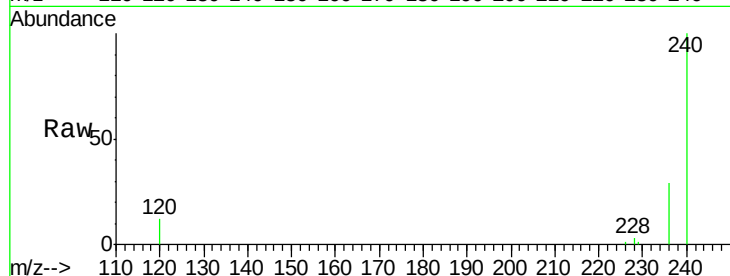
Tgt Ion:240 Resp: 61623

Ion Ratio Lower Upper

240 100

120 11.8 4.6 6.8#

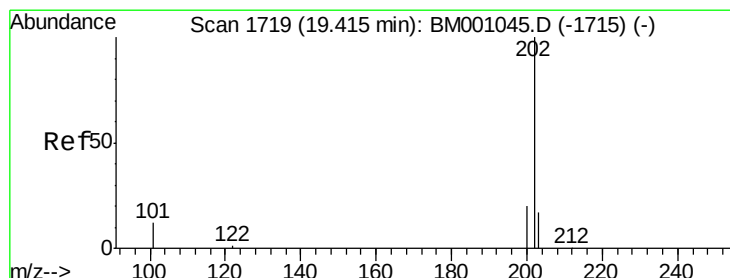
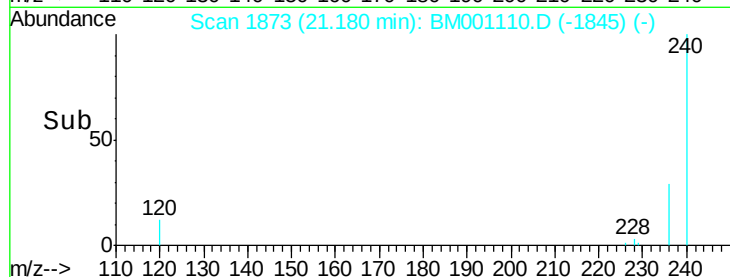
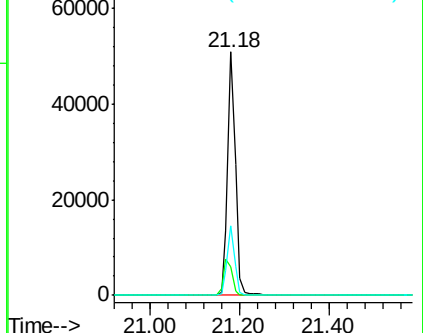
236 28.7 19.1 28.7#



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: 0.98 ng

RT: 19.40 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

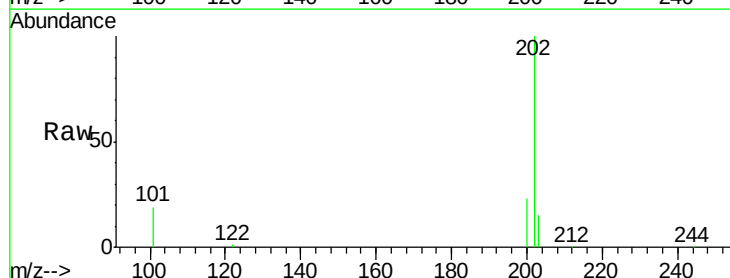
Tgt Ion:202 Resp: 20096

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

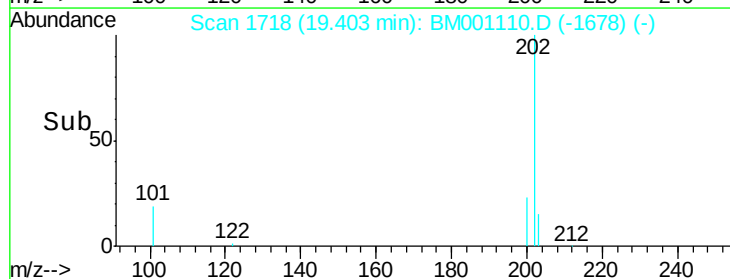
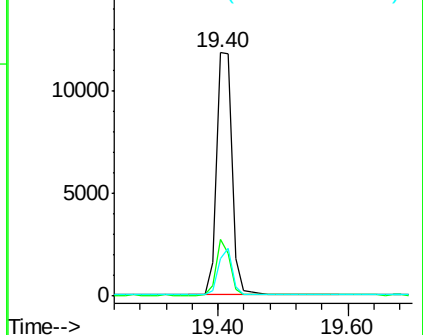
203 17.3 13.8 20.6

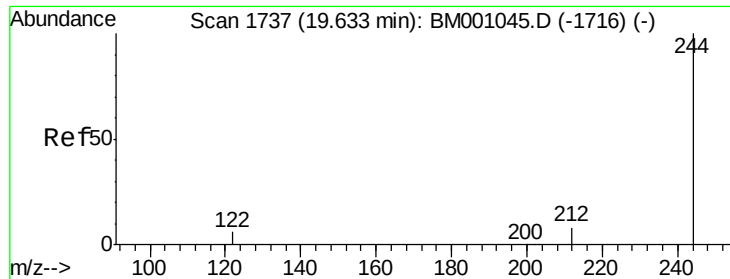


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.94 ng

RT: 19.62 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

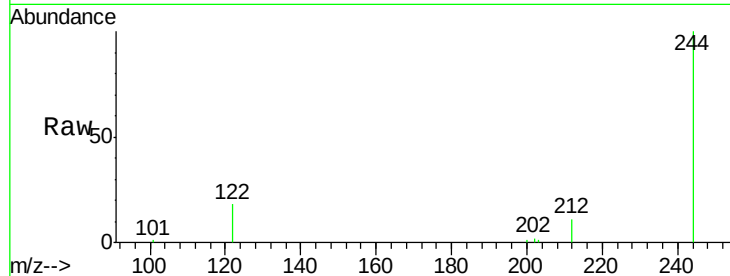
Tgt Ion:244 Resp: 7685

Ion Ratio Lower Upper

244 100

212 10.7 7.1 10.7#

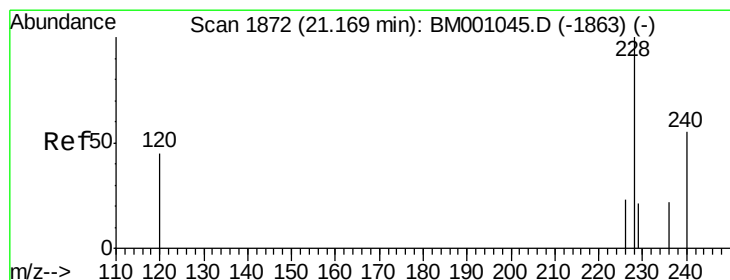
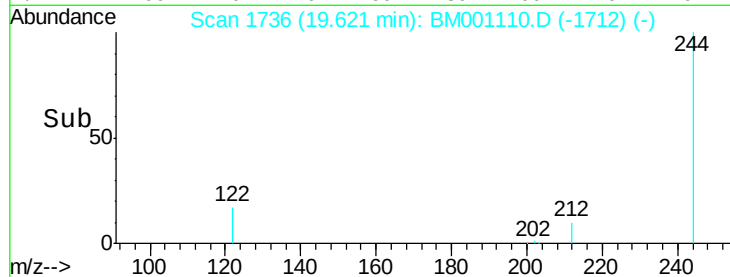
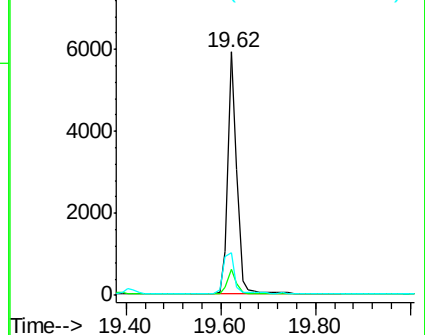
122 17.7 5.9 8.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 1.05 ng

RT: 21.16 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

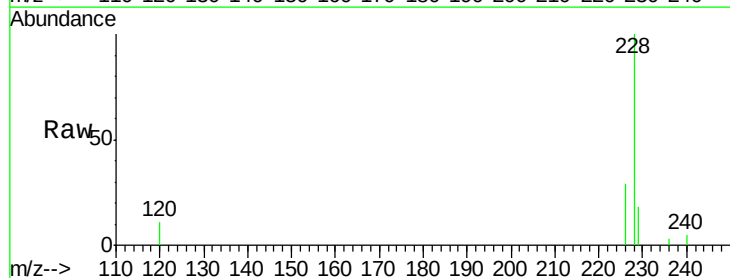
Tgt Ion:228 Resp: 18809

Ion Ratio Lower Upper

228 100

226 28.7 19.0 28.6#

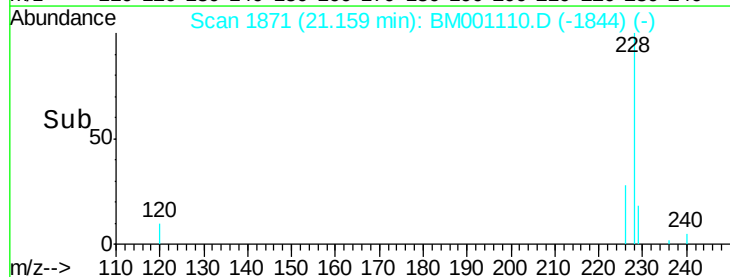
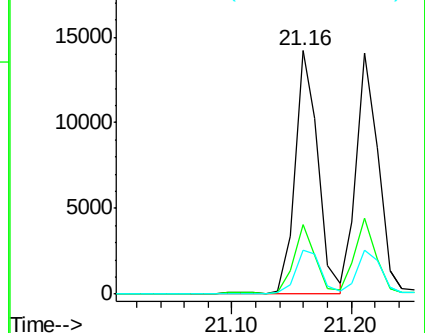
229 18.0 16.8 25.2

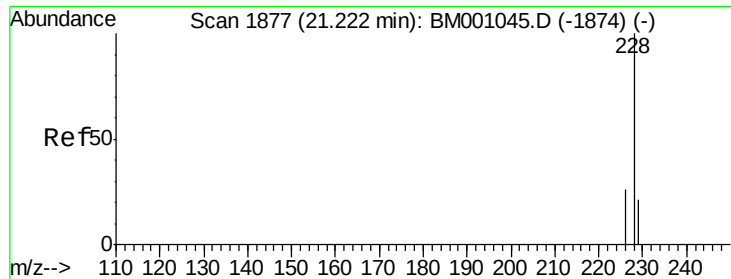


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.00 ng

RT: 21.16 min Scan# 1871

Delta R.T. -0.06 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

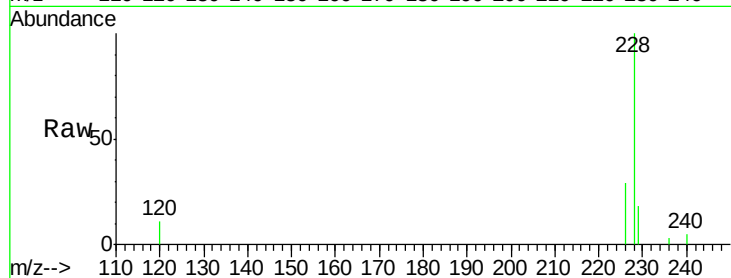
Tgt Ion:228 Resp: 18809

Ion Ratio Lower Upper

228 100

226 28.7 20.6 31.0

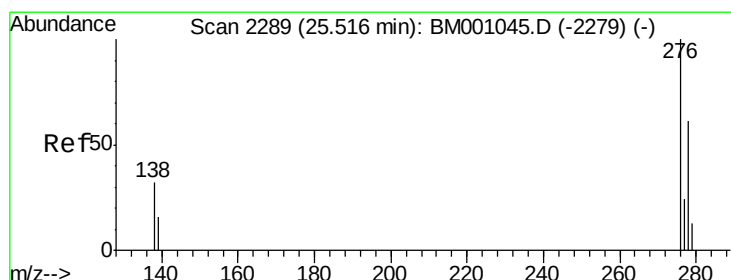
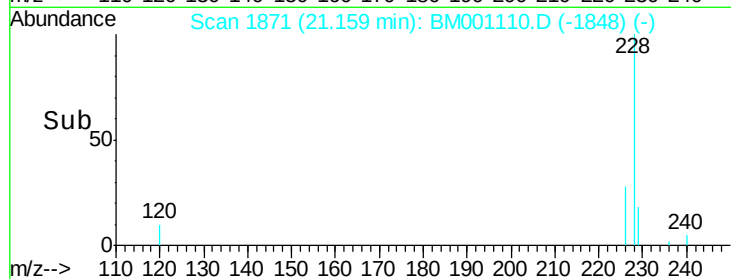
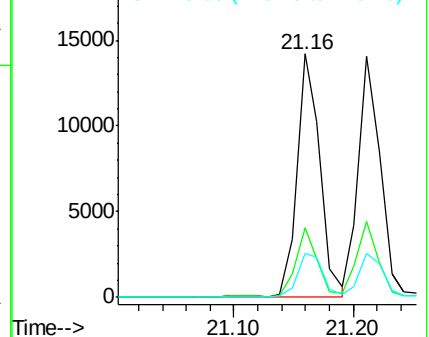
229 18.0 17.2 25.8



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: 1.16 ng

RT: 25.51 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

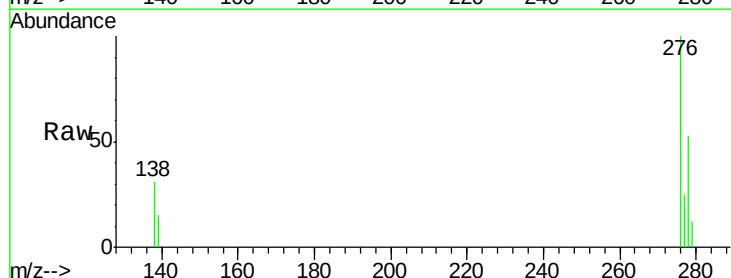
Tgt Ion:276 Resp: 22311

Ion Ratio Lower Upper

276 100

138 31.2 26.3 39.5

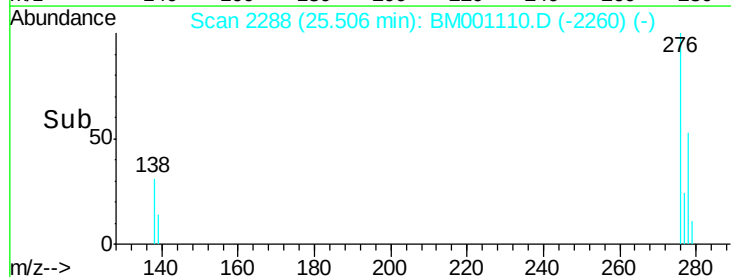
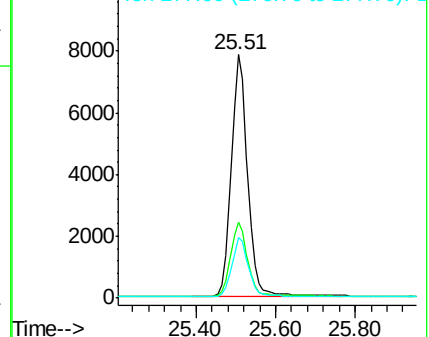
277 24.4 19.5 29.3

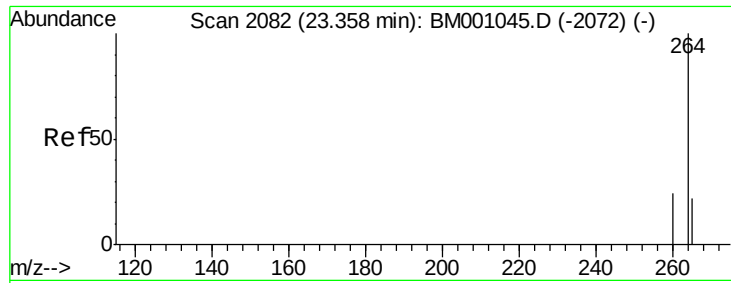


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

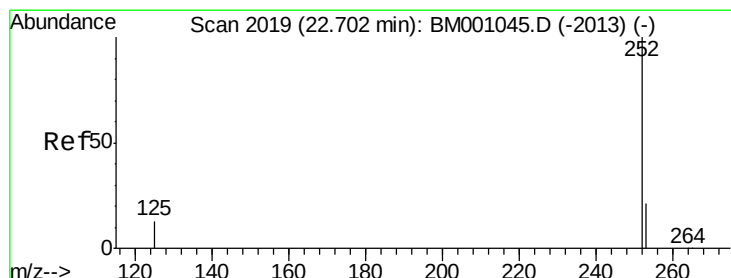
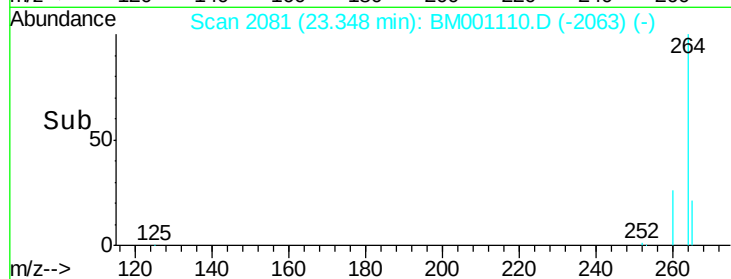
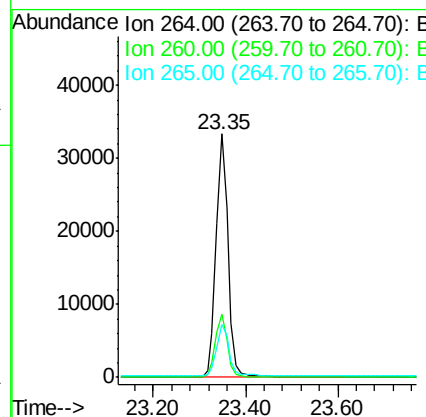
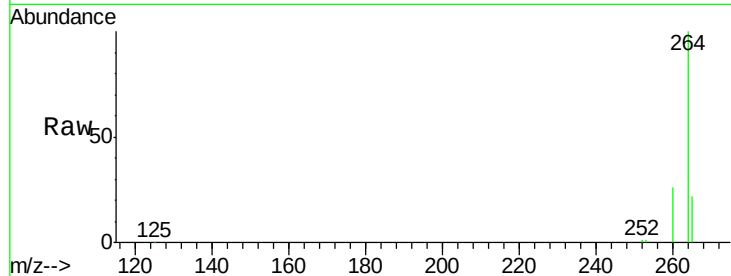




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM001110.D
 Acq: 22 Apr 2015 18:10

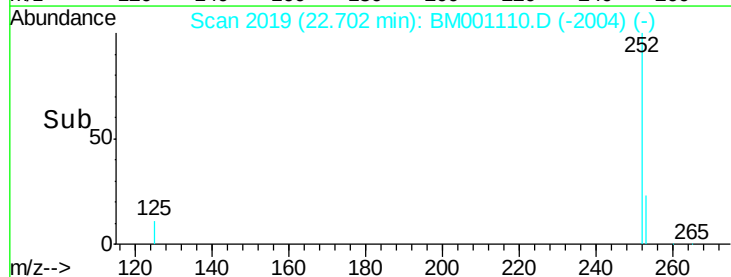
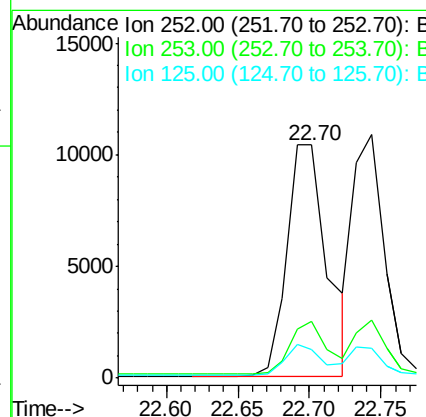
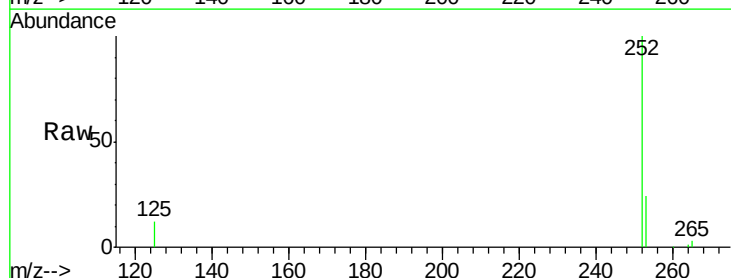
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

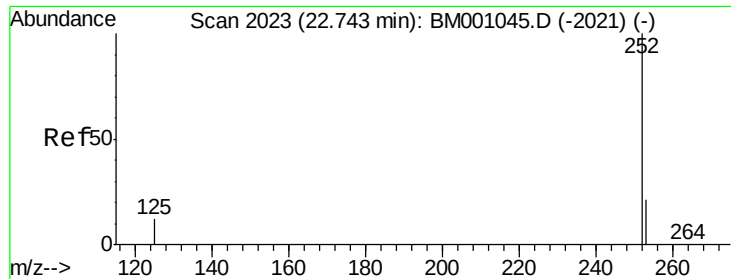
Tgt Ion:264 Resp: 59736
 Ion Ratio Lower Upper
 264 100
 260 26.1 19.0 28.6
 265 21.5 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 1.07 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001110.D
 Acq: 22 Apr 2015 18:10

Tgt Ion:252 Resp: 20465
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.2 27.2
 125 12.4 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 0.92 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

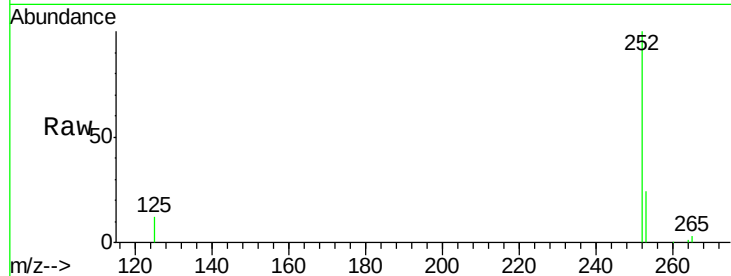
Tgt Ion:252 Resp: 17007

Ion Ratio Lower Upper

252 100

253 23.9 18.3 27.5

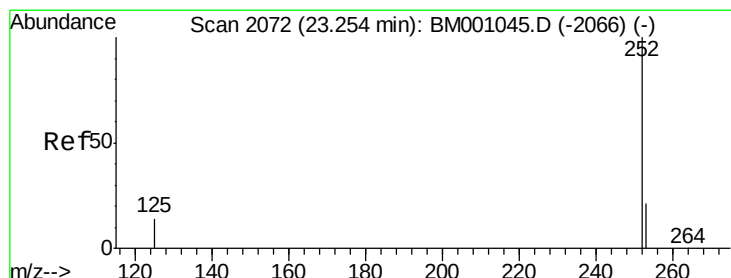
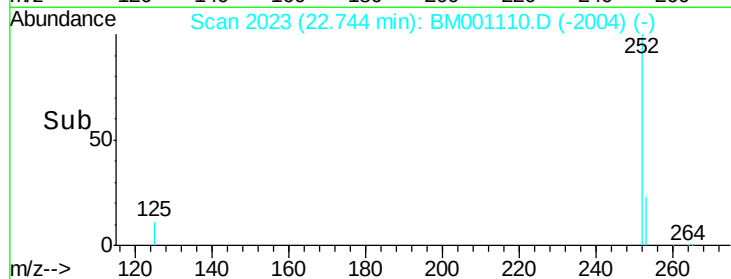
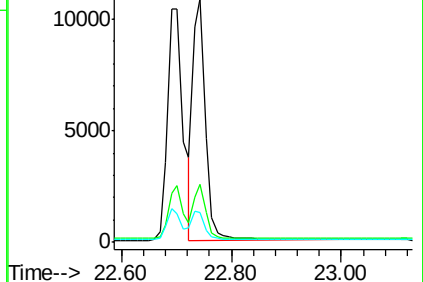
125 12.2 10.6 15.8



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: 1.06 ng

RT: 23.24 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

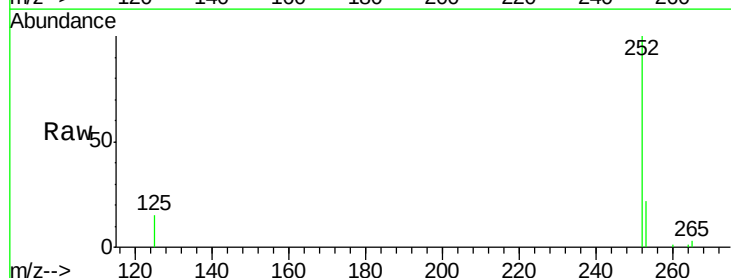
Tgt Ion:252 Resp: 17469

Ion Ratio Lower Upper

252 100

253 21.8 18.6 27.8

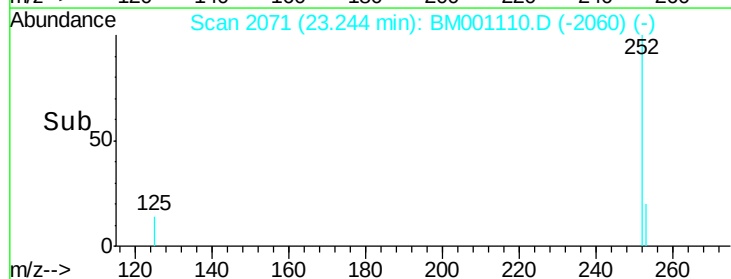
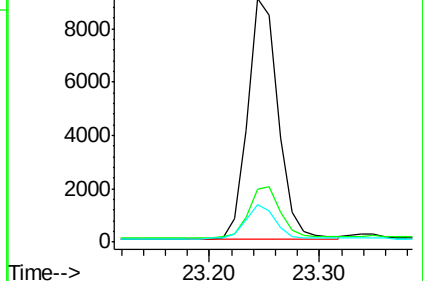
125 15.4 11.9 17.9

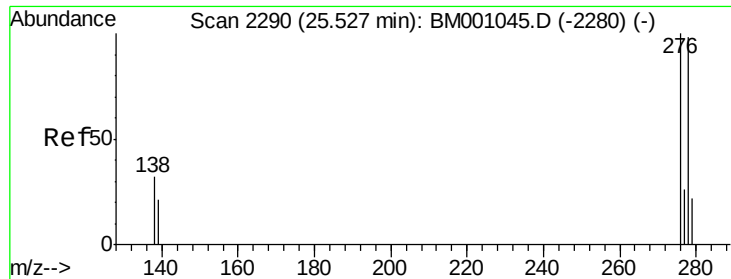


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.07 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

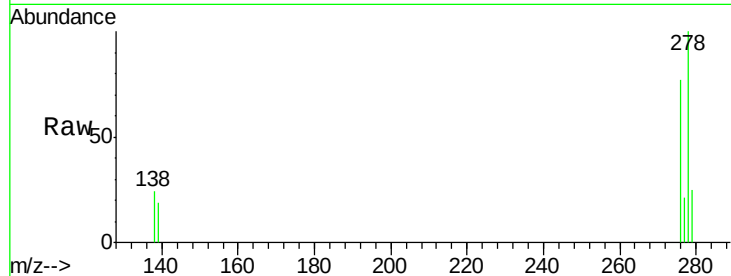
Tgt Ion: 278 Resp: 17377

Ion Ratio Lower Upper

278 100

139 19.4 18.2 27.2

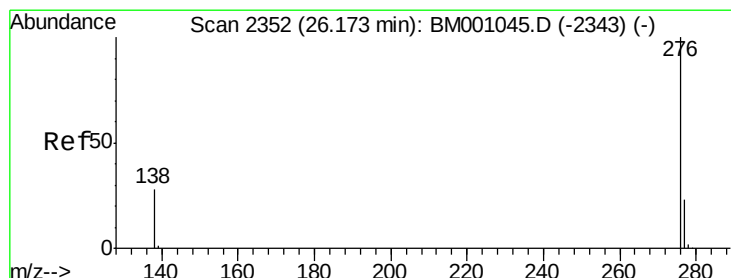
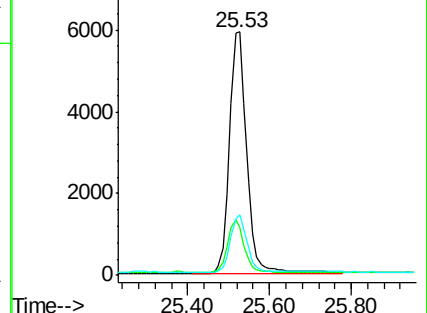
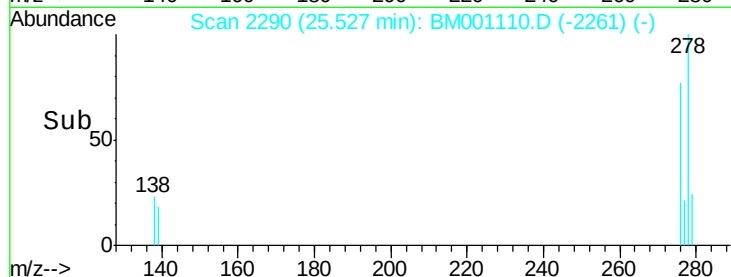
279 24.8 19.1 28.7



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: 1.06 ng

RT: 26.17 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BM001110.D

Acq: 22 Apr 2015 18:10

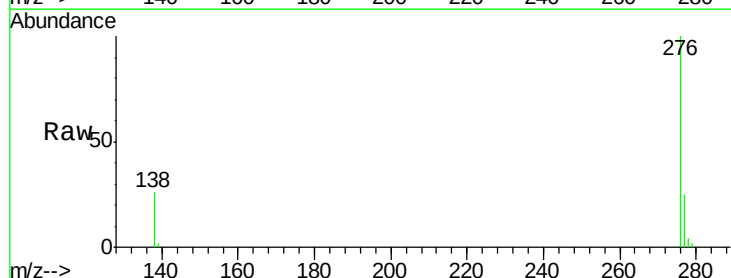
Tgt Ion: 276 Resp: 18586

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 26.3 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

