

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001032.D
 Acq On : 17 Apr 2015 13:49
 Operator : TP/IZ
 Sample : SSTD0.836
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.836

Quant Time: Apr 20 08:49:56 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	1321	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	4794	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2491	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5360	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4702	5.00	ng	0.00
25) Perylene-d12	23.36	264	4220	5.00	ng	0.00

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

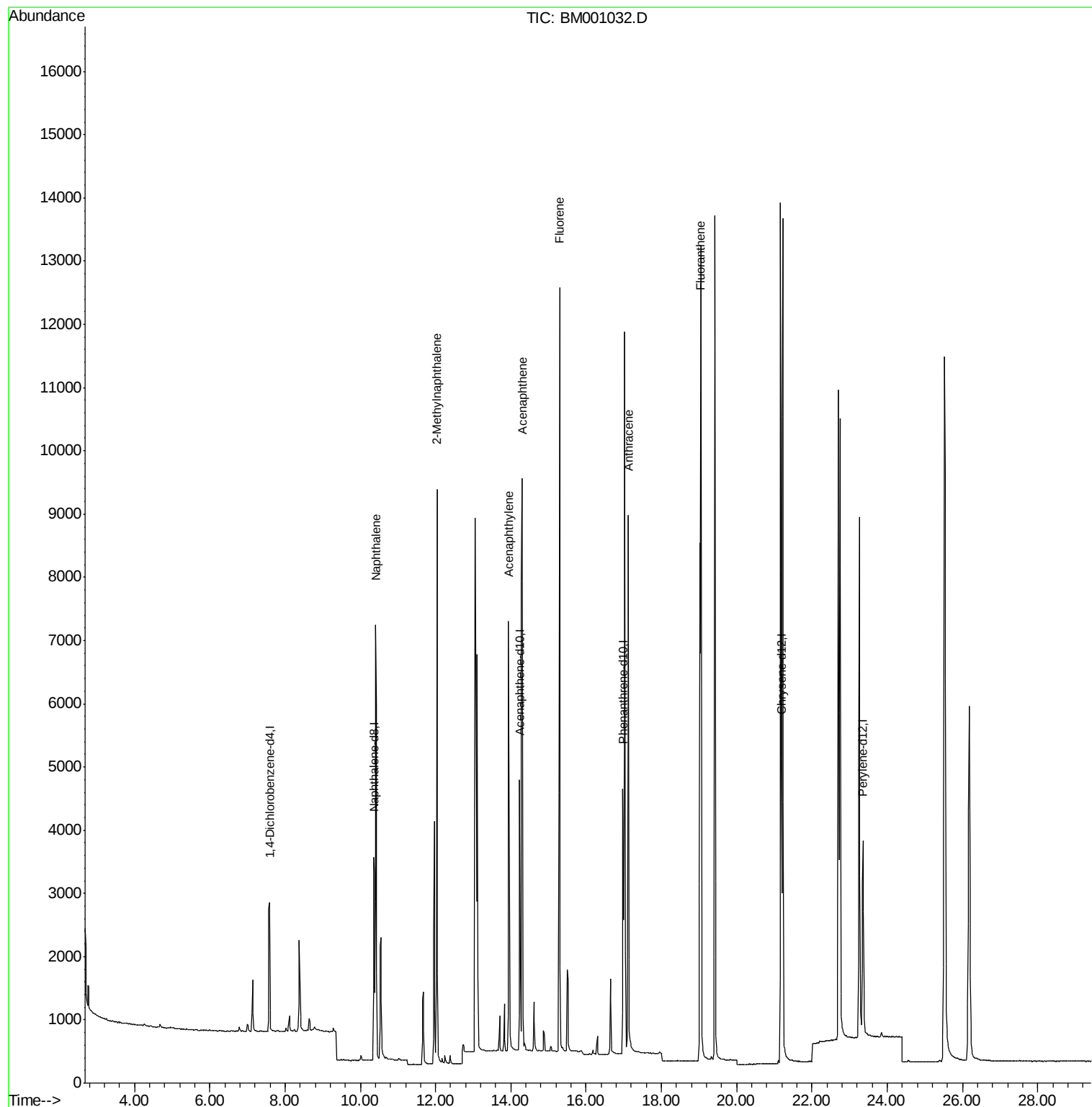
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	9900	8.60	ng	97
7) 2-Methylnaphthalene	12.03	142	6647	8.79	ng	96
10) Acenaphthylene	13.94	152	8960	6.20	ng	99
11) Acenaphthene	14.30	154	6480	8.28	ng	98
12) Fluorene	15.30	166	8103	8.91	ng	100
15) Pentachlorophenol	16.64	266	999	Below Cal		97
16) Phenanthrene	17.03	178	12662	Below Cal		99
17) Anthracene	17.12	178	11682	9.34	ng	99
18) Fluoranthene	19.05	202	14170	10.01	ng	99
20) Pyrene	19.42	202	14452	Below Cal		99
22) Benzo(a)anthracene	21.17	228	11935	Below Cal		100
23) Chrysene	21.22	228	13240	Below Cal		98
24) Indeno(1,2,3-cd)pyrene	25.52	276	13208	Below Cal		100
26) Benzo(b)fluoranthene	22.70	252	12401	Below Cal		99
27) Benzo(k)fluoranthene	22.75	252	12676	Below Cal		99
28) Benzo(a)pyrene	23.26	252	11799	Below Cal		99
29) Dibenzo(a,h)anthracene	25.54	278	10709	Below Cal		97
30) Benzo(g,h,i)perylene	26.19	276	11606	Below Cal		98

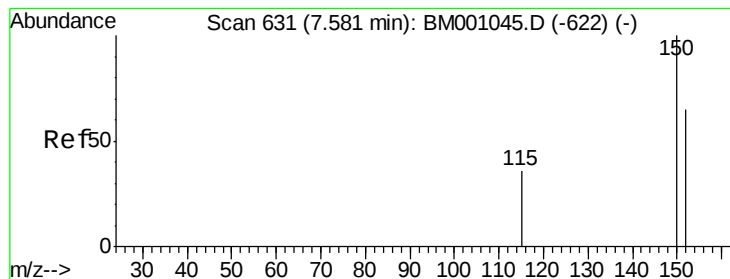
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

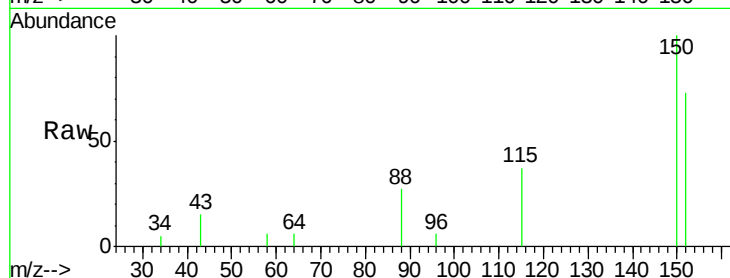
Tgt Ion:152 Resp: 1321

Ion Ratio Lower Upper

152 100

150 137.6 123.3 184.9

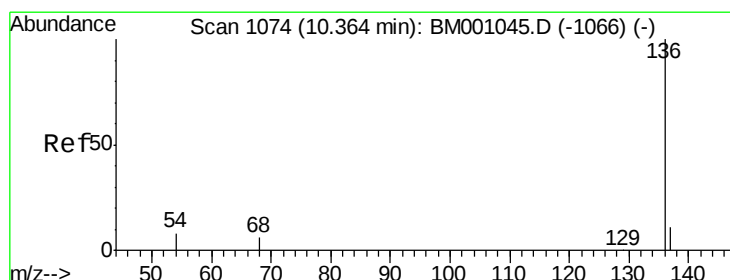
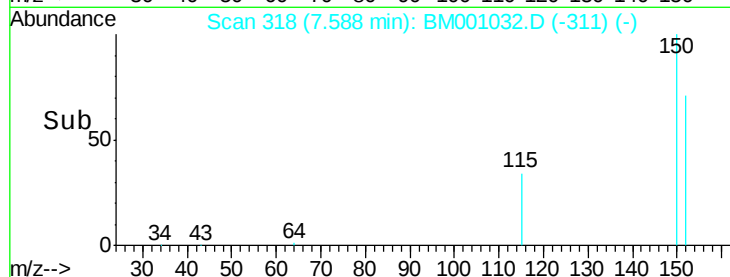
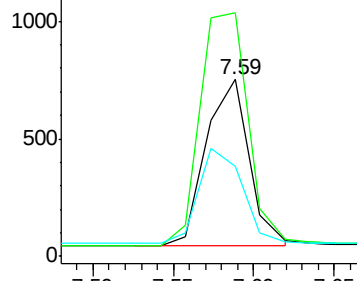
115 51.1 45.0 67.6



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



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 515

Delta R.T. -0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

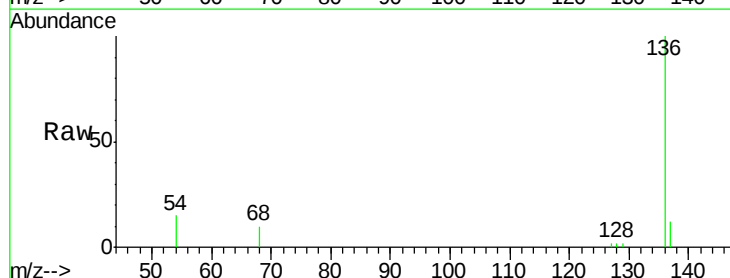
Tgt Ion:136 Resp: 4794

Ion Ratio Lower Upper

136 100

137 11.9 8.6 13.0

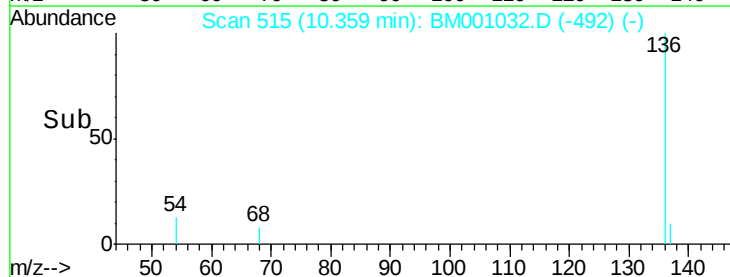
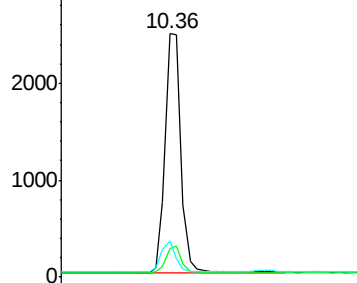
54 14.9 6.5 9.7#

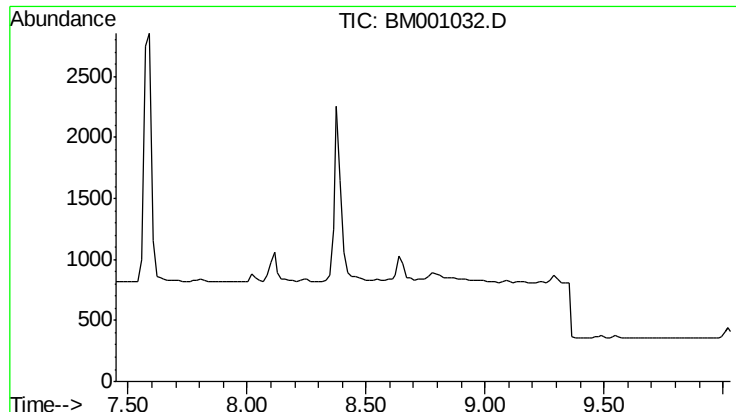


Abundance Ion 136.00 (135.70 to 136.70): E

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: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

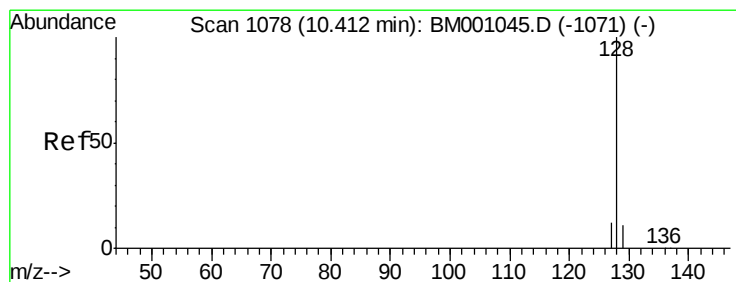
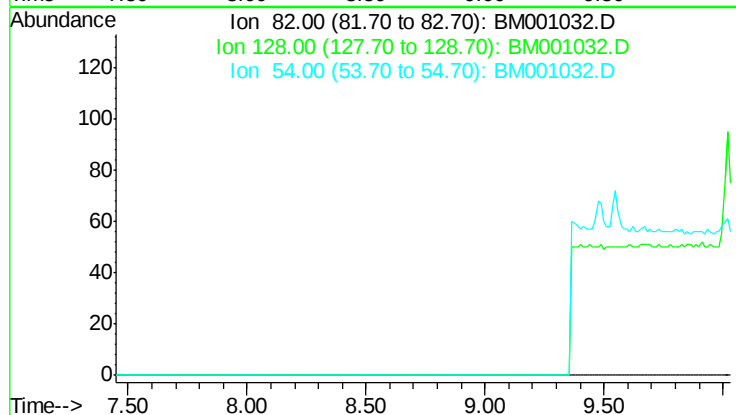
Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.9

54 64.1



#6

Naphthalene

Concen: 8.60 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

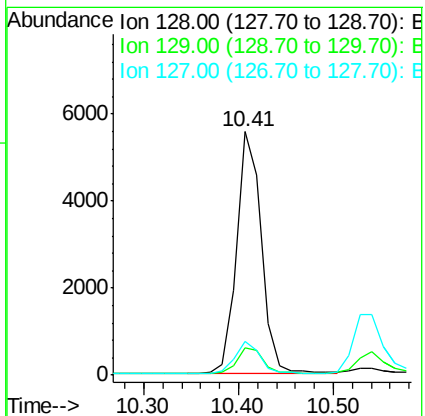
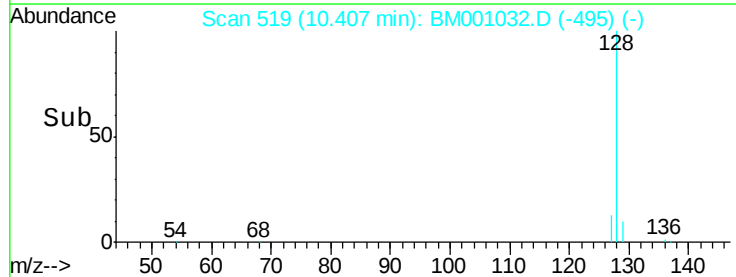
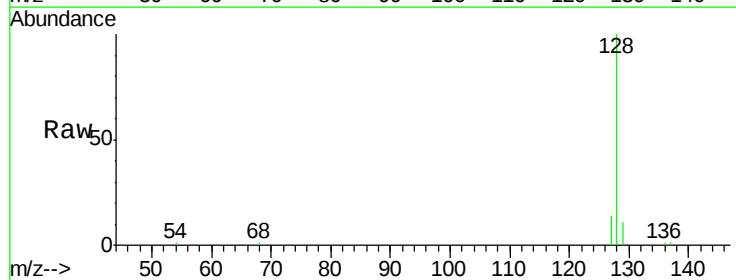
Tgt Ion: 128 Resp: 9900

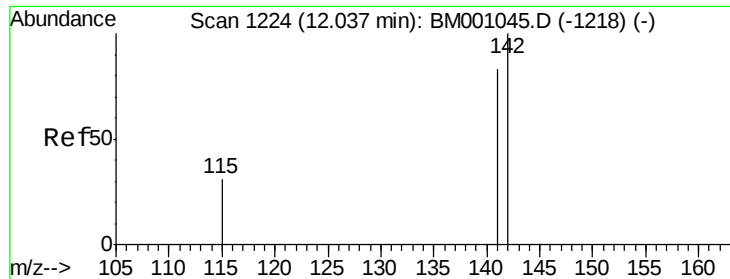
Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

127 13.9 10.0 15.0





#7

2-Methylnaphthalene

Concen: 8.79 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

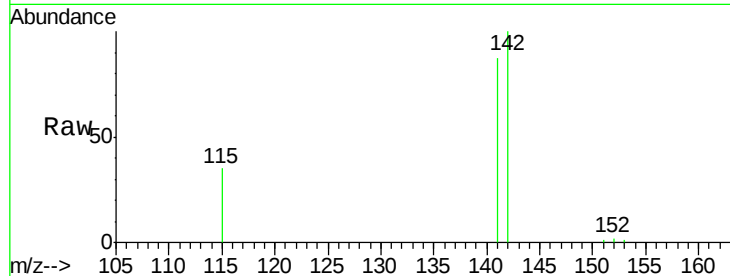
Tgt Ion:142 Resp: 6647

Ion Ratio Lower Upper

142 100

141 86.8 66.7 100.1

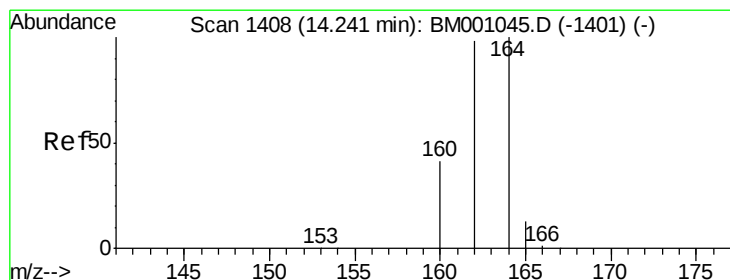
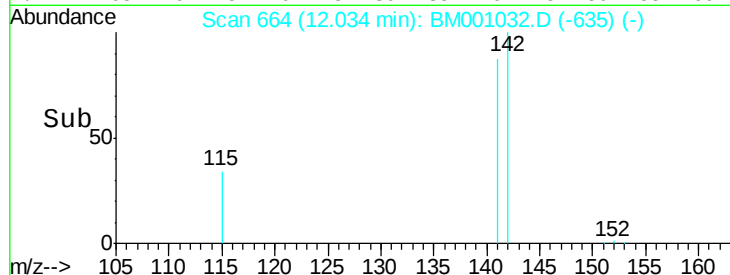
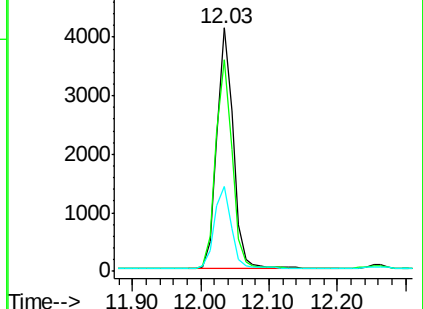
115 34.9 25.5 38.3



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: BM001032.D

Acq: 17 Apr 2015 13:49

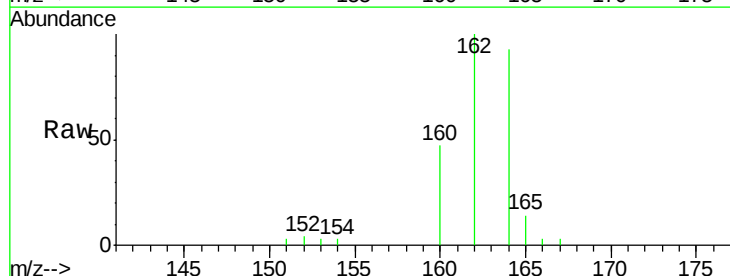
Tgt Ion:164 Resp: 2491

Ion Ratio Lower Upper

164 100

162 108.0 78.5 117.7

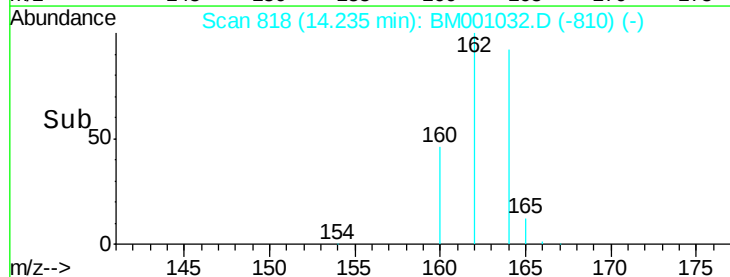
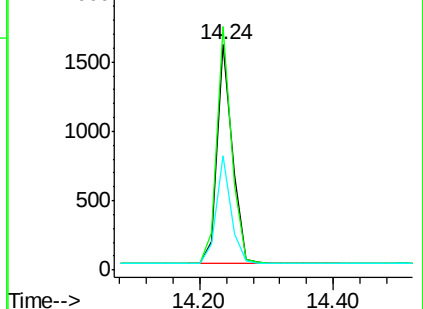
160 50.8 32.9 49.3

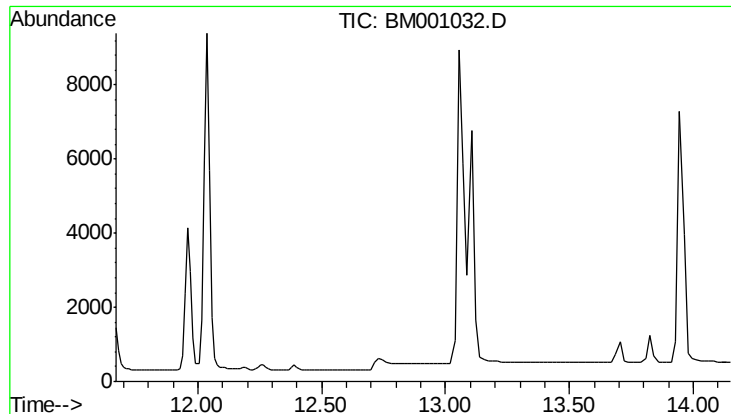


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

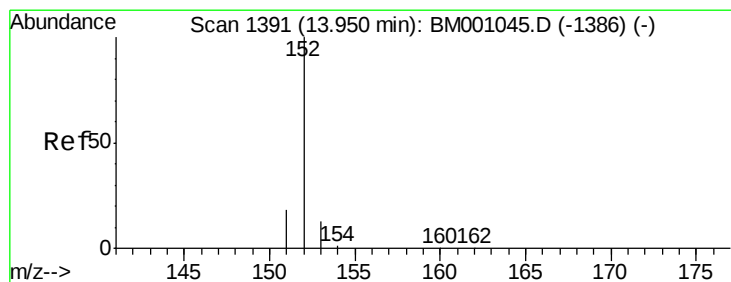
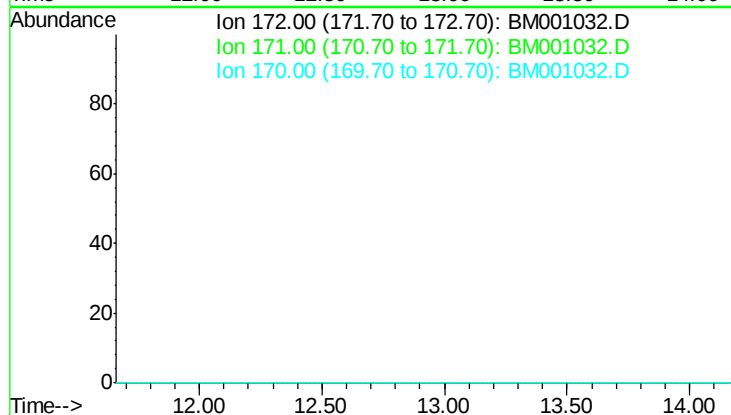




#9
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 12.86 min
 Lab File: BM001032.D
 Acq: 17 Apr 2015 13:49

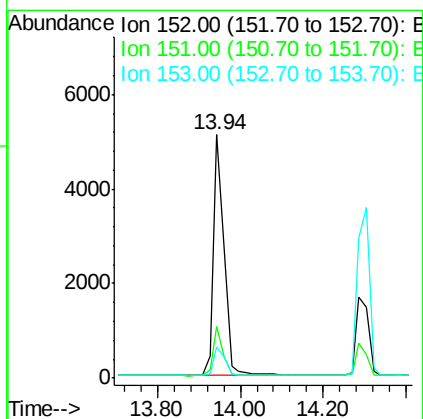
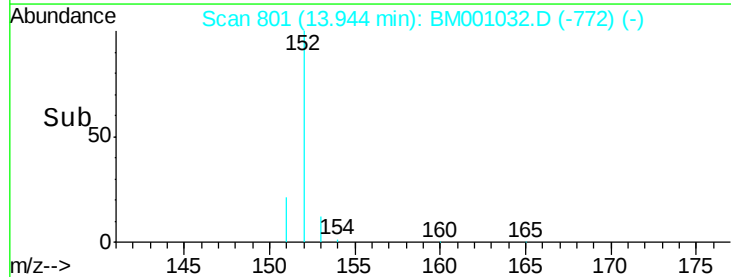
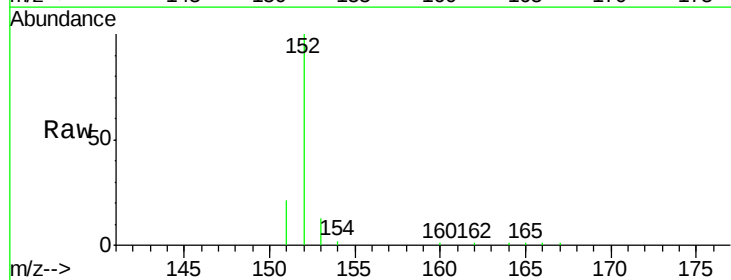
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.836

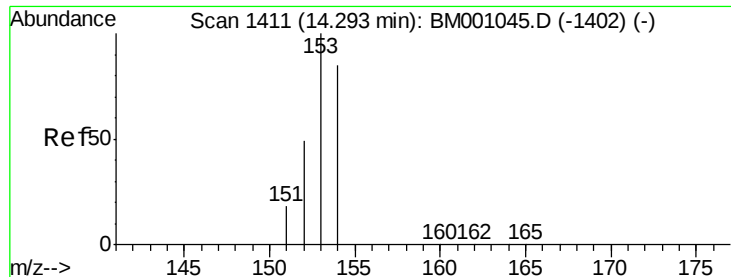
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 32.0
 170 19.7



#10
 Acenaphthylene
 Concen: 6.20 ng
 RT: 13.94 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BM001032.D
 Acq: 17 Apr 2015 13:49

Tgt Ion: 152 Resp: 8960
 Ion Ratio Lower Upper
 152 100
 151 19.1 14.7 22.1
 153 12.9 10.2 15.2





#11

Acenaphthene

Concen: 8.28 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

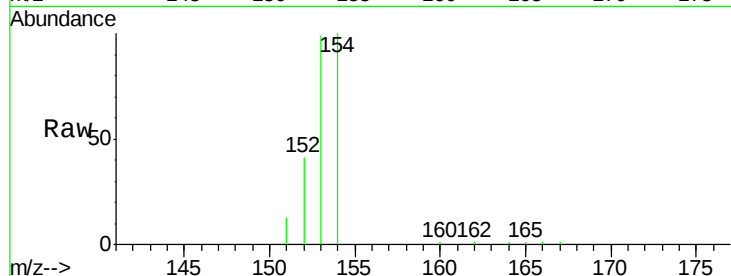
Tgt Ion:154 Resp: 6480

Ion Ratio Lower Upper

154 100

153 107.6 88.1 132.1

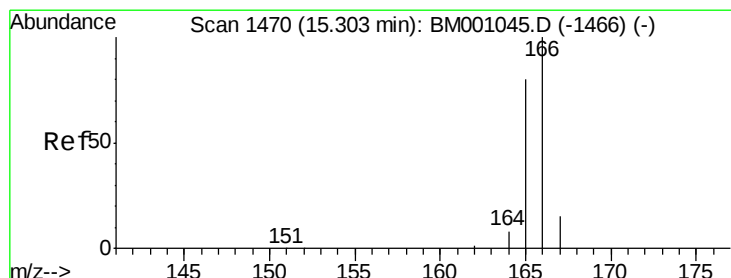
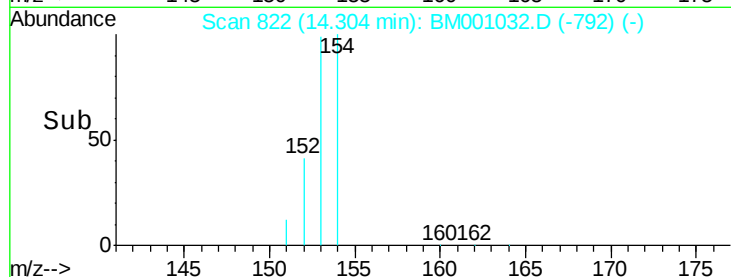
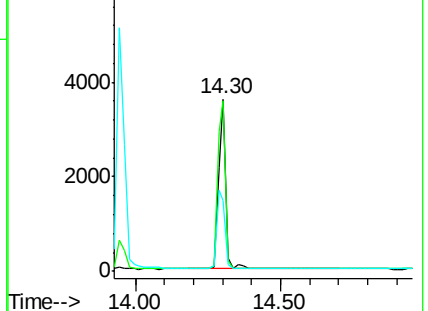
152 53.1 42.3 63.5



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: 8.91 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

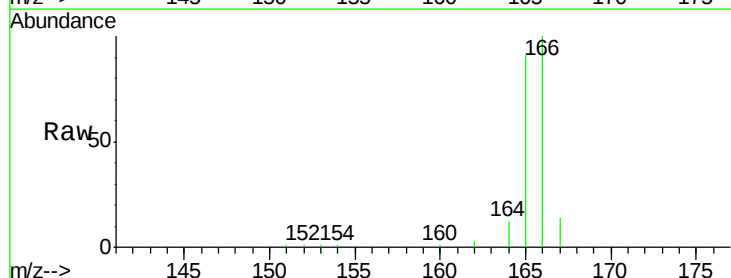
Tgt Ion:166 Resp: 8103

Ion Ratio Lower Upper

166 100

165 96.8 77.6 116.4

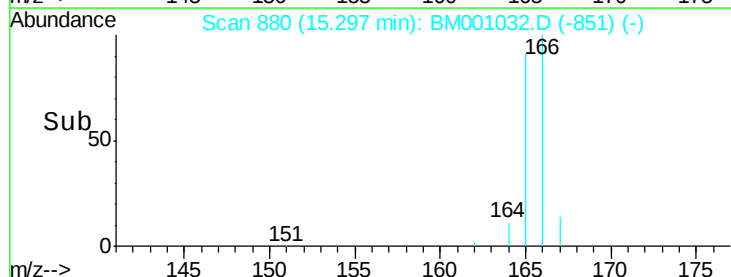
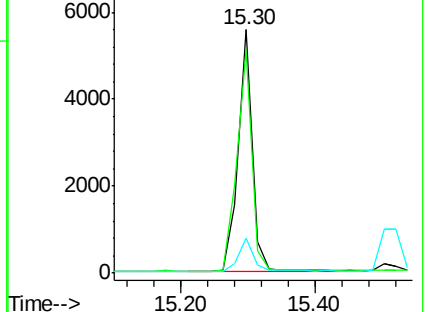
167 13.5 10.6 16.0

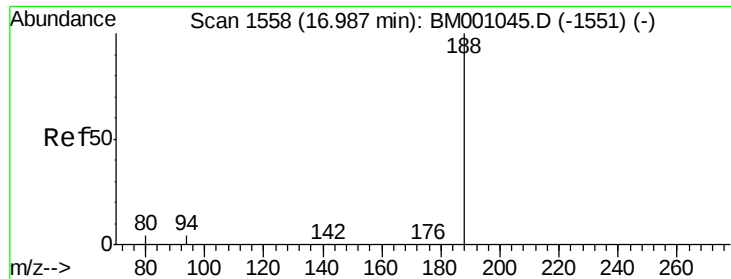


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.98 min Scan# 985

Delta R.T. -0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

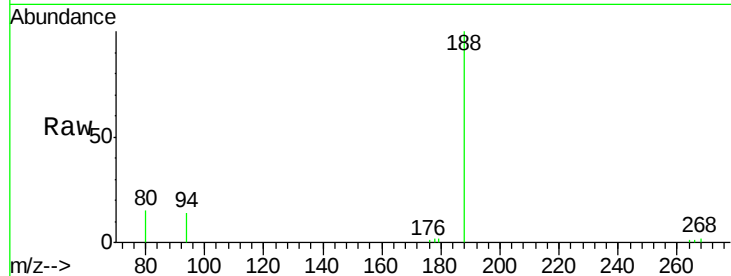
Tgt Ion:188 Resp: 5360

Ion Ratio Lower Upper

188 100

94 14.1 3.6 5.4#

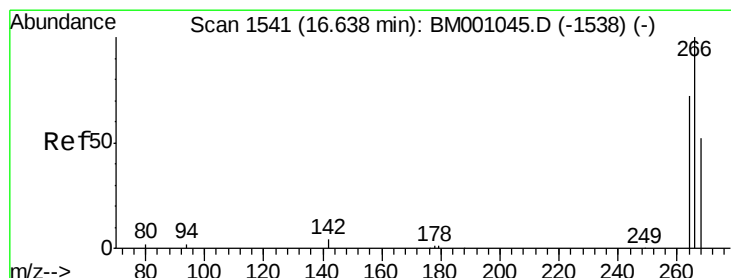
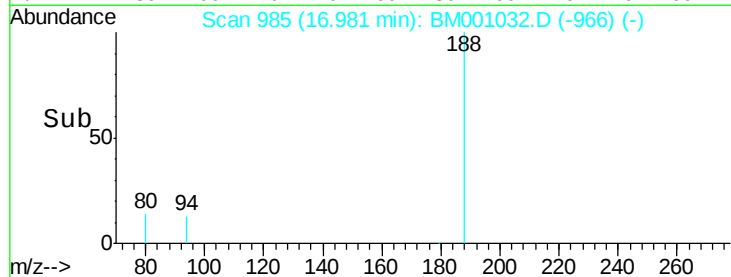
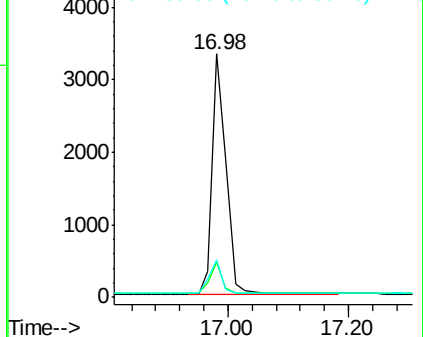
80 15.4 3.0 4.6#



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



#15

Pentachlorophenol

Concen: Below Cal

RT: 16.64 min Scan# 963

Delta R.T. 0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

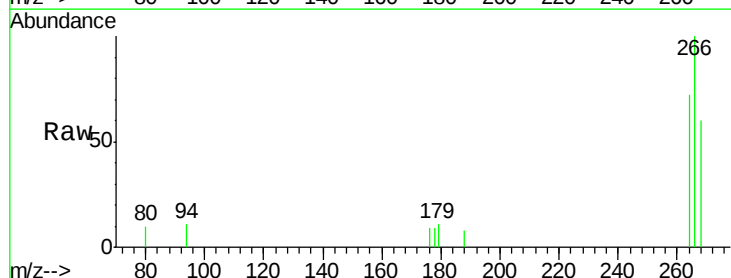
Tgt Ion:266 Resp: 999

Ion Ratio Lower Upper

266 100

268 59.9 46.3 69.5

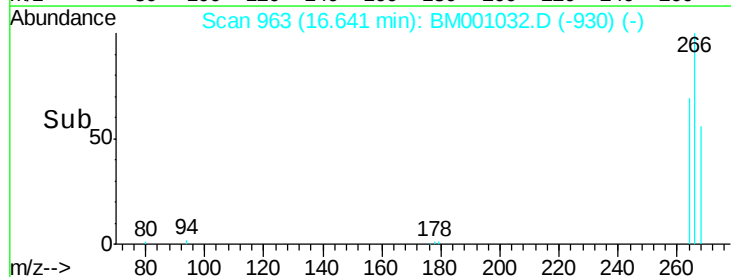
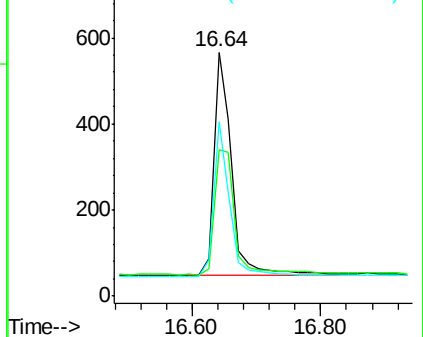
264 71.6 59.8 89.6

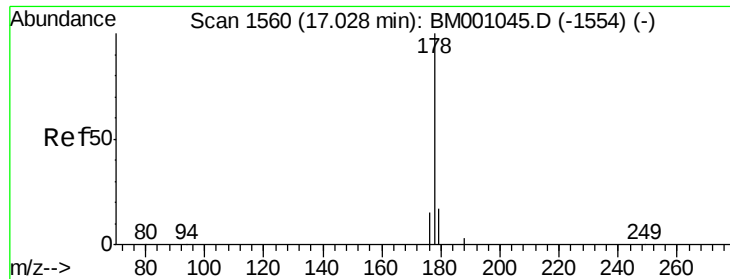


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

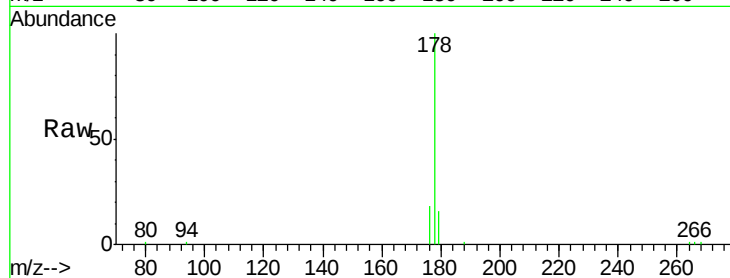




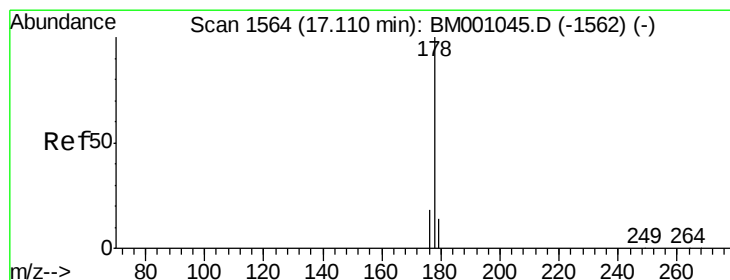
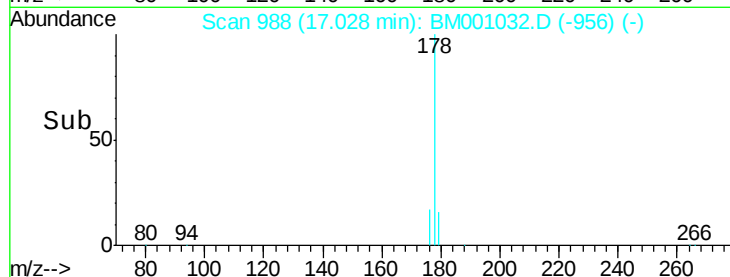
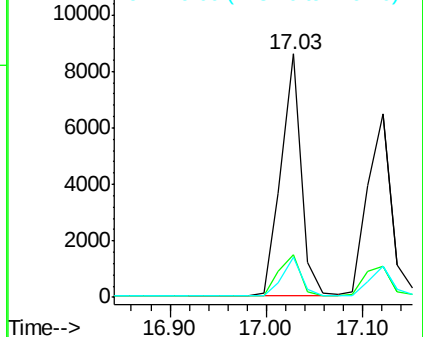
#16
Phenanthrene
Concen: Below Cal
RT: 17.03 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

Instrument :
BNA_M
ClientSampleId :
SSTD0.836

Tgt Ion:178 Resp: 12662
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.4 12.6 19.0

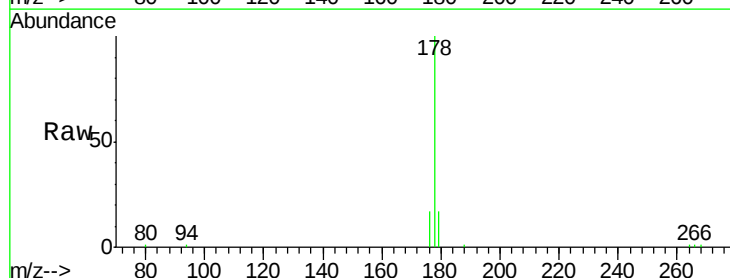


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

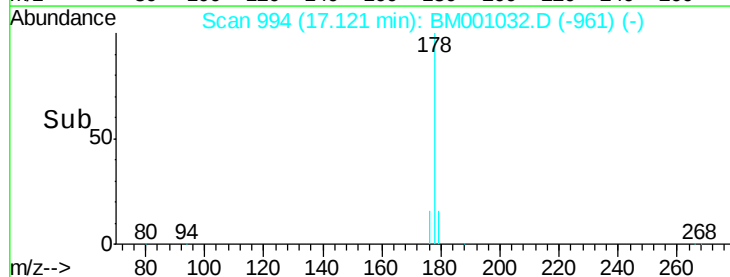
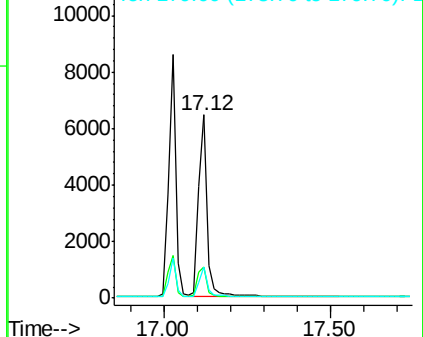


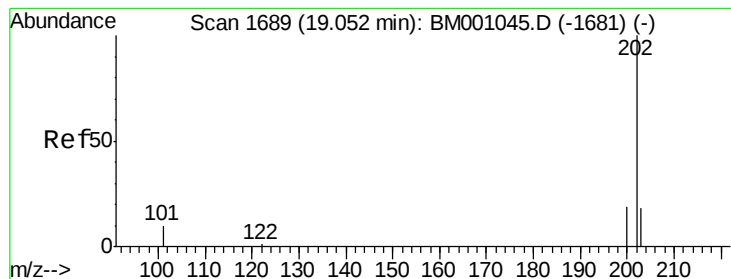
#17
Anthracene
Concen: 9.34 ng
RT: 17.12 min Scan# 994
Delta R.T. 0.01 min
Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

Tgt Ion:178 Resp: 11682
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 15.6 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: 10.01 ng

RT: 19.05 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

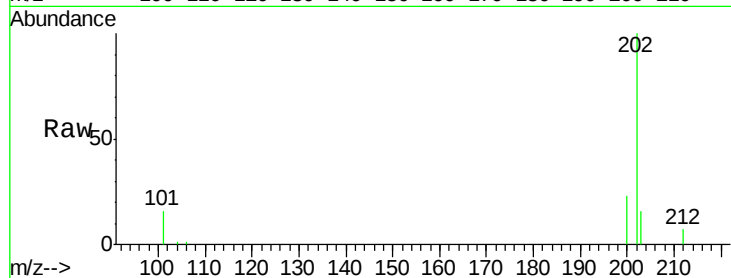
Tgt Ion:202 Resp: 14170

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

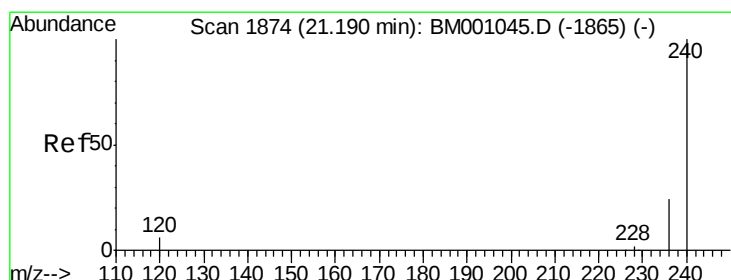
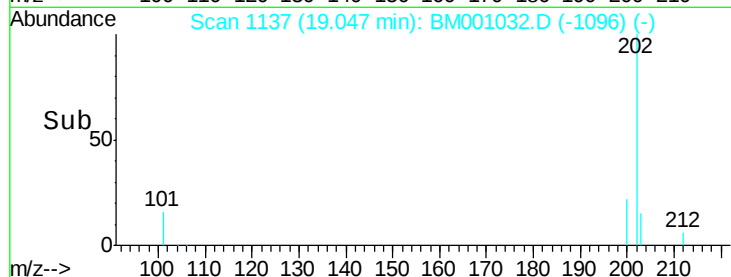
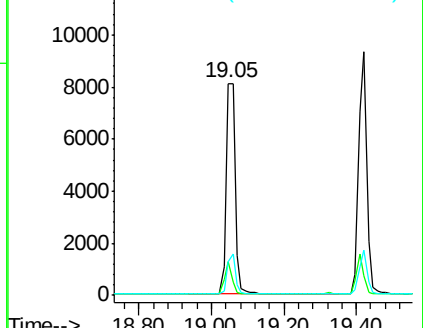
203 17.6 13.8 20.8



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: BM001032.D

Acq: 17 Apr 2015 13:49

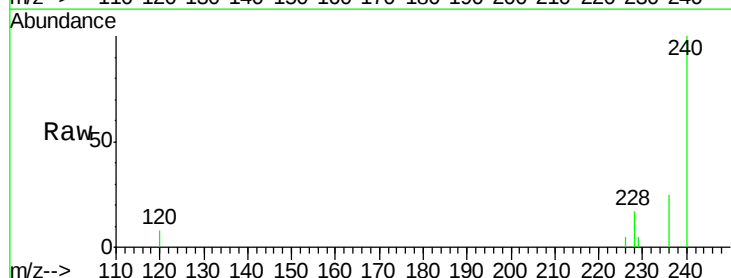
Tgt Ion:240 Resp: 4702

Ion Ratio Lower Upper

240 100

120 7.7 4.6 6.8#

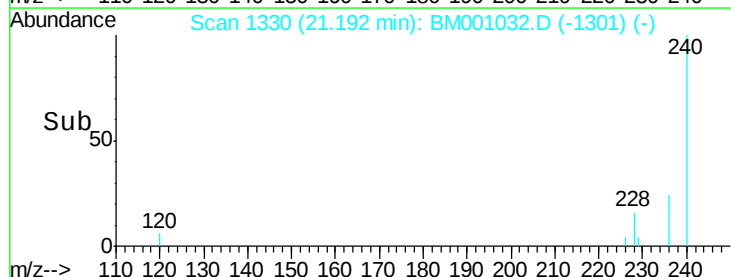
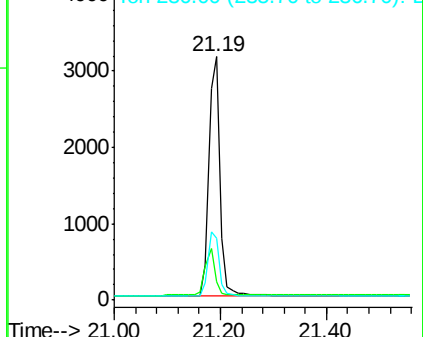
236 25.4 19.1 28.7

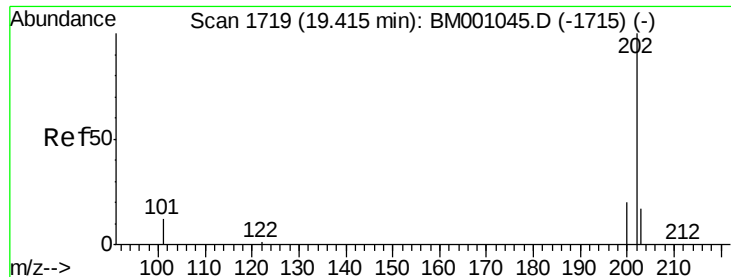


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

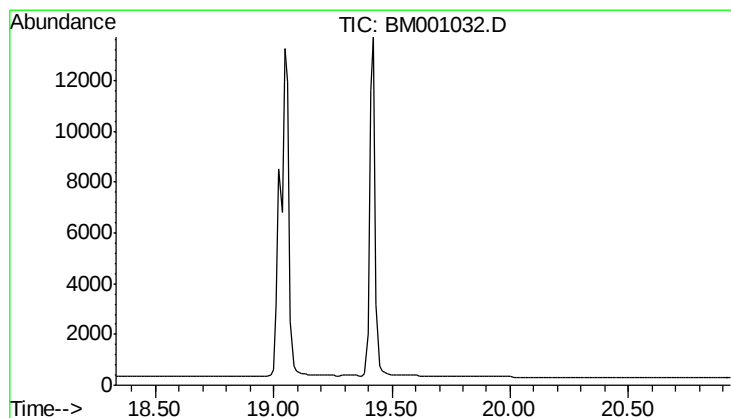
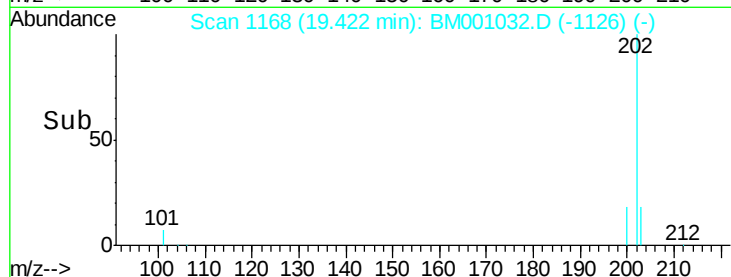
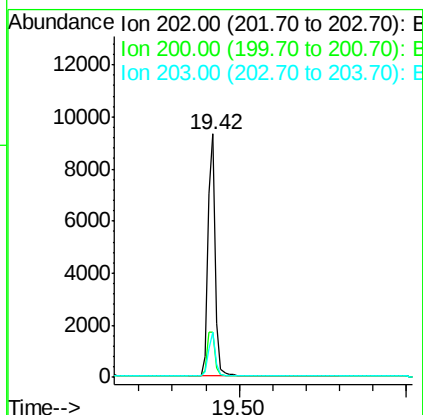
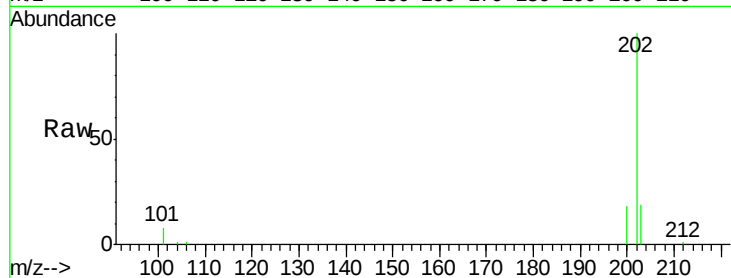




#20
Pyrene
Concen: Below Cal
RT: 19.42 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

Instrument :
BNA_M
ClientSampleId :
SSTD0.836

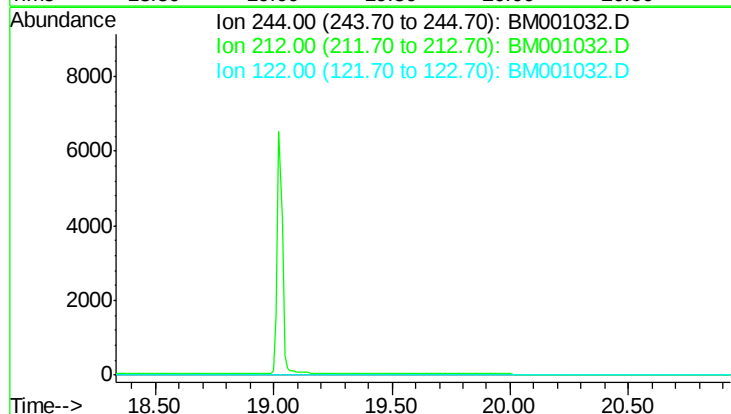
Tgt Ion: 202 Resp: 14452
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.7 13.8 20.6

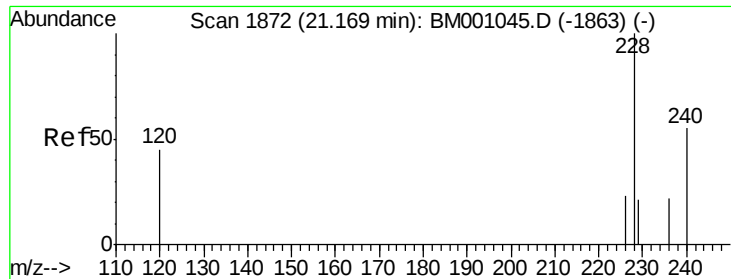


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

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: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

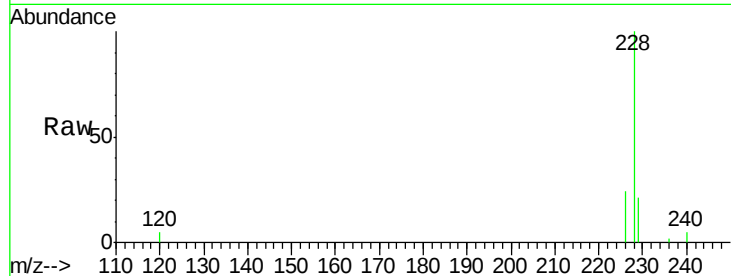
Tgt Ion:228 Resp: 11935

Ion Ratio Lower Upper

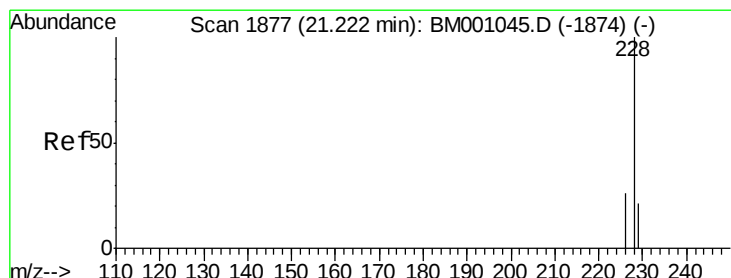
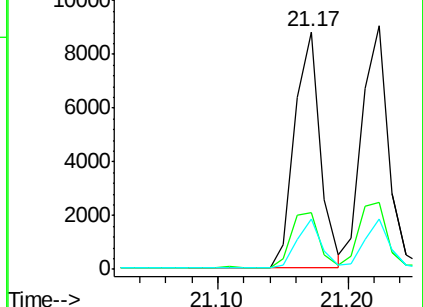
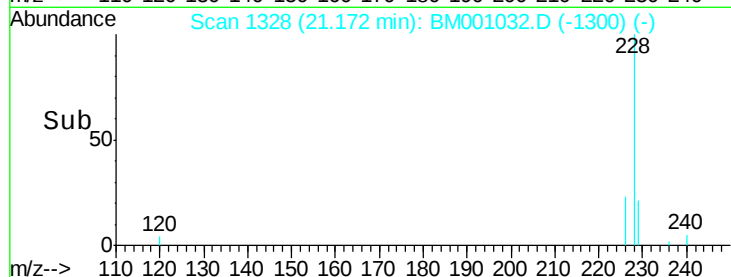
228 100

226 23.9 19.0 28.6

229 21.0 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: Below Cal

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

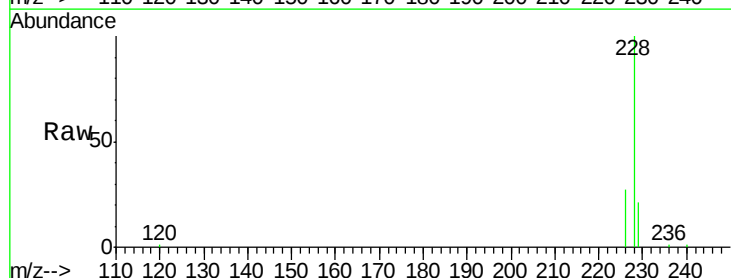
Tgt Ion:228 Resp: 13240

Ion Ratio Lower Upper

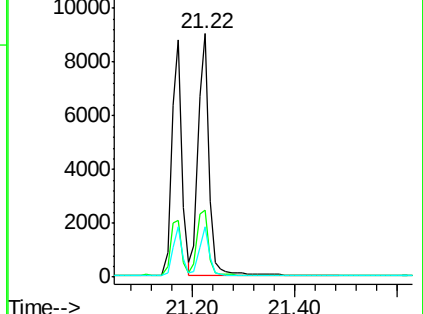
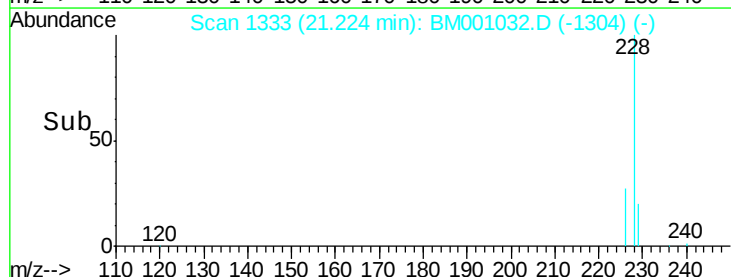
228 100

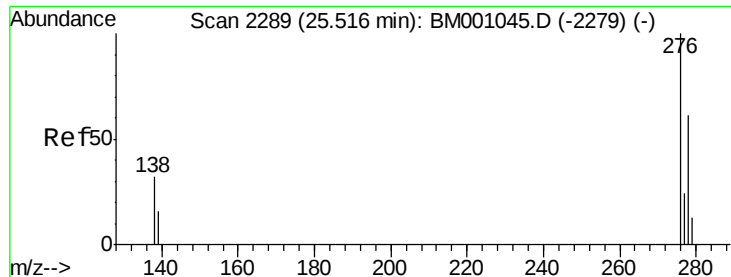
226 27.3 20.6 31.0

229 20.7 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: Below Cal

RT: 25.52 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

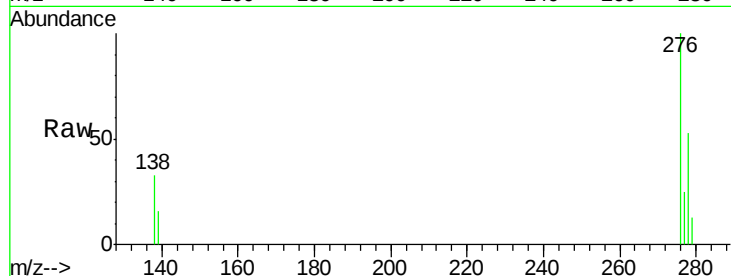
Tgt Ion:276 Resp: 13208

Ion Ratio Lower Upper

276 100

138 32.8 26.3 39.5

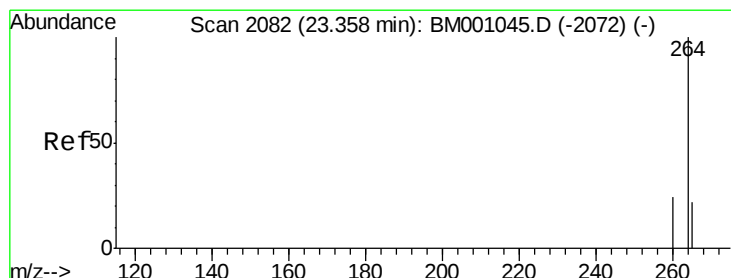
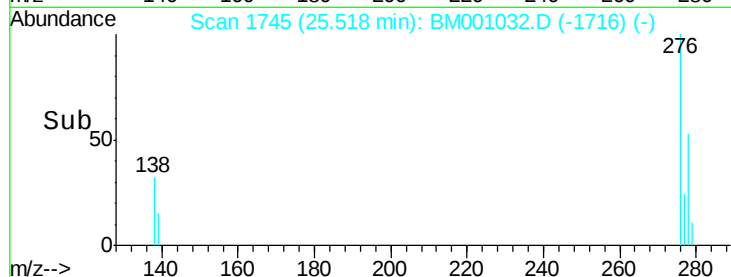
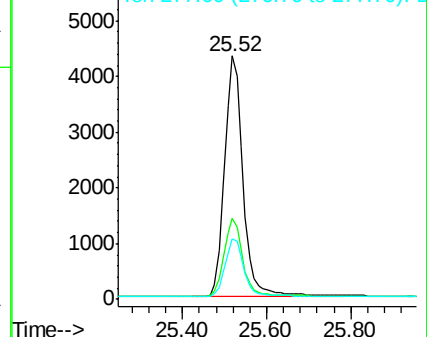
277 24.5 19.5 29.3



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: 23.36 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

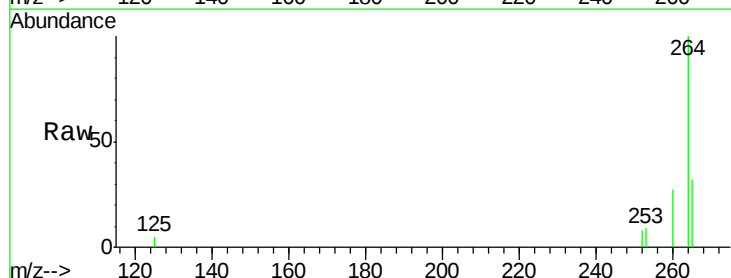
Tgt Ion:264 Resp: 4220

Ion Ratio Lower Upper

264 100

260 26.7 19.0 28.6

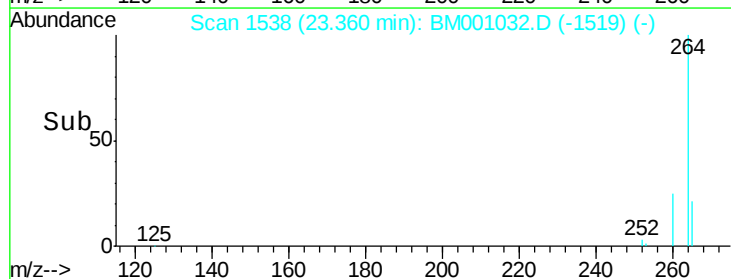
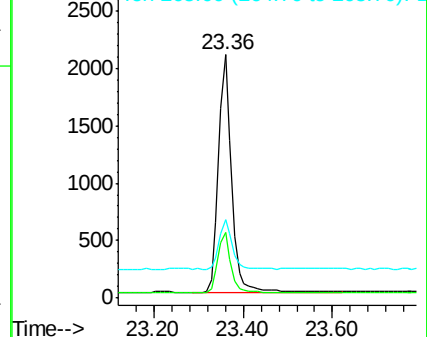
265 32.4 17.9 26.9#

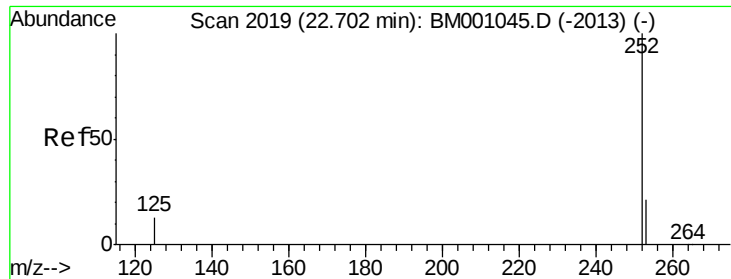


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

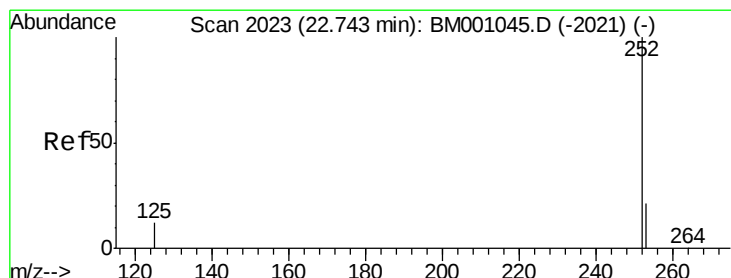
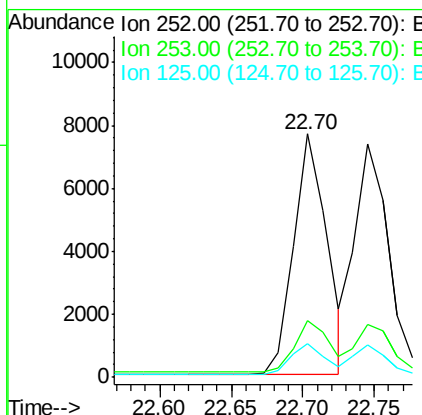
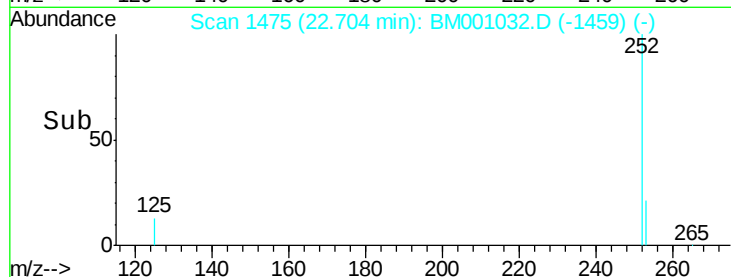
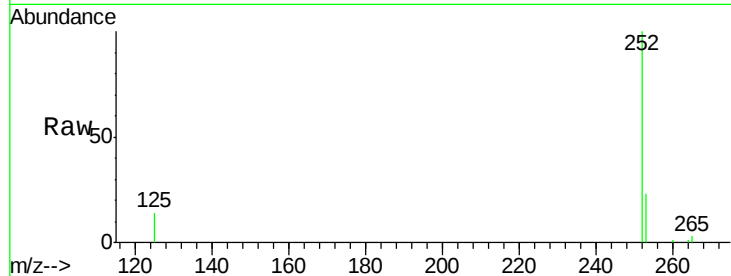




#26
Benzo(b)fluoranthene
Concen: Below Cal
RT: 22.70 min Scan# 1475
Delta R.T. 0.00 min
Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

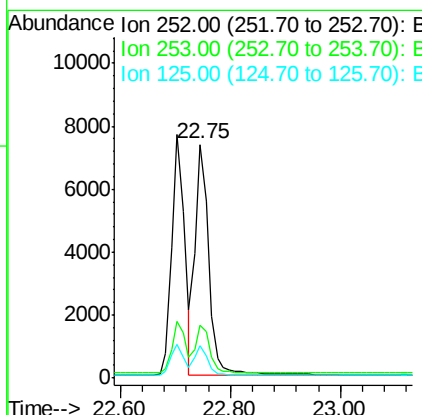
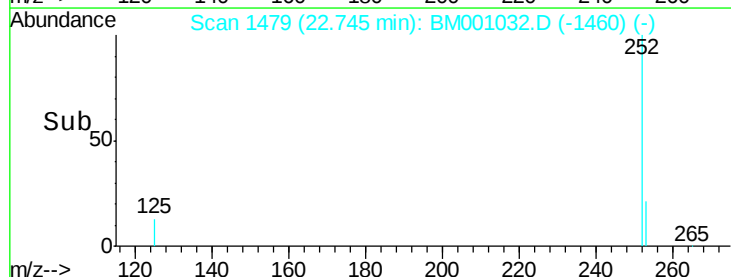
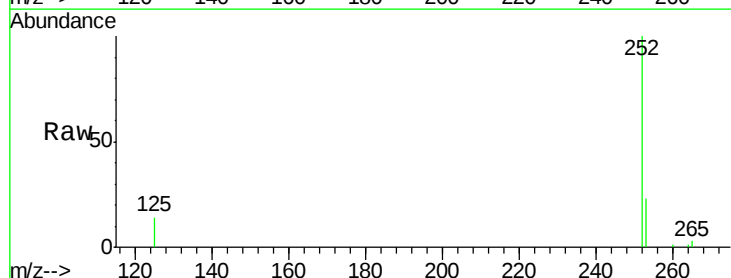
Instrument :
BNA_M
ClientSampleId :
SSTD0.836

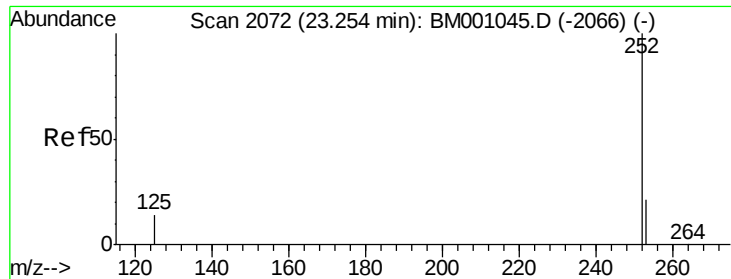
Tgt Ion:252 Resp: 12401
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 14.1 10.9 16.3



#27
Benzo(k)fluoranthene
Concen: Below Cal
RT: 22.75 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BM001032.D
Acq: 17 Apr 2015 13:49

Tgt Ion:252 Resp: 12676
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 13.9 10.6 15.8





#28

Benzo(a)pyrene

Concen: Below Cal

RT: 23.26 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836

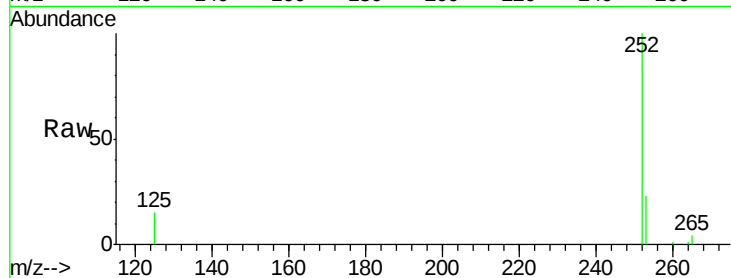
Tgt Ion:252 Resp: 11799

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

125 15.5 11.9 17.9

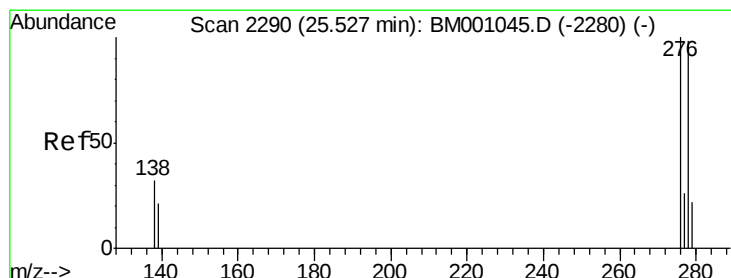
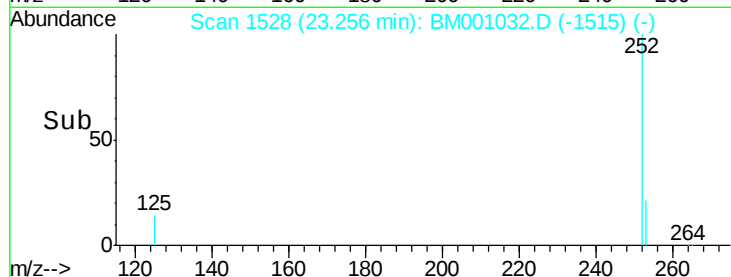
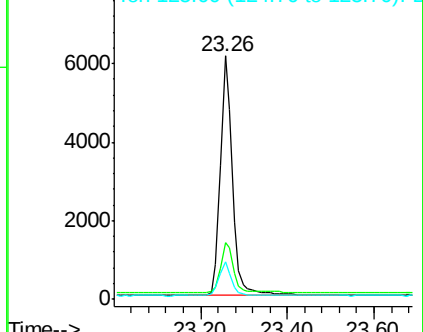


Abundance

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: Below Cal

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001032.D

Acq: 17 Apr 2015 13:49

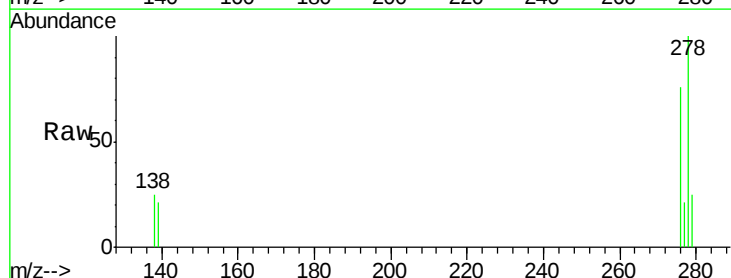
Tgt Ion:278 Resp: 10709

Ion Ratio Lower Upper

278 100

139 20.9 18.2 27.2

279 25.3 19.1 28.7

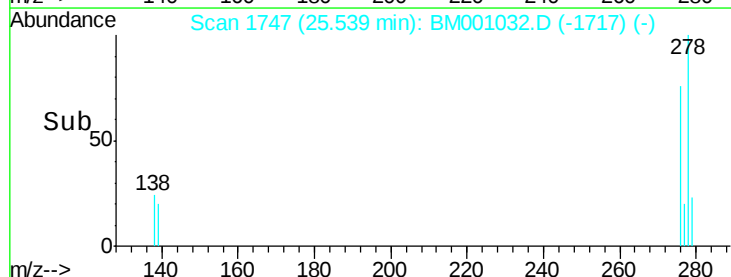
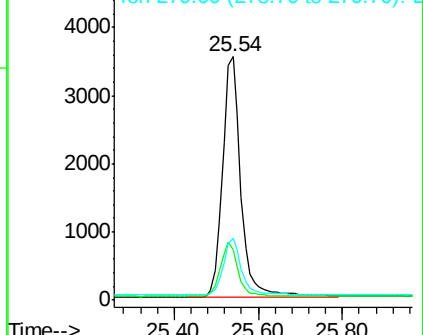


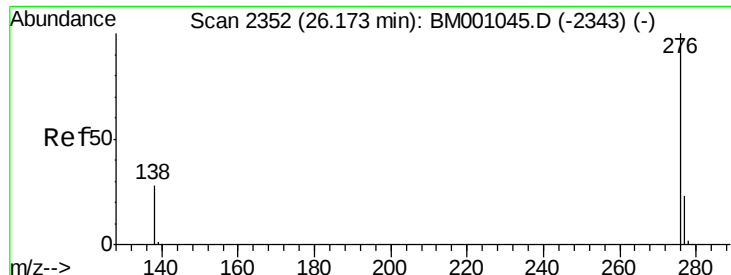
Abundance

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: 26.19 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001032.D

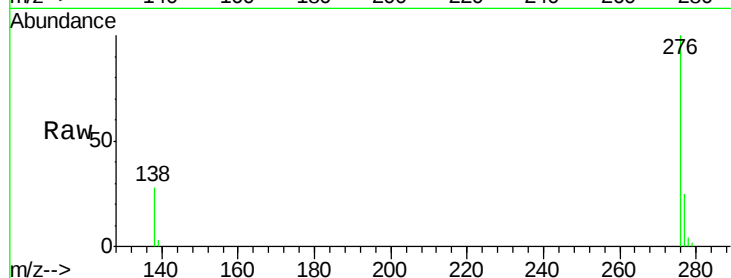
Acq: 17 Apr 2015 13:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.836



Tgt Ion:276 Resp: 11606

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 27.9 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

