

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001030.D
 Acq On : 17 Apr 2015 12:38
 Operator : TP/IZ
 Sample : SSTD0.234
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.234

Quant Time: Apr 20 08:49:26 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	1259	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	4684	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2519	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5486	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4695	5.00	ng	0.00
25) Perylene-d12	23.36	264	4325	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

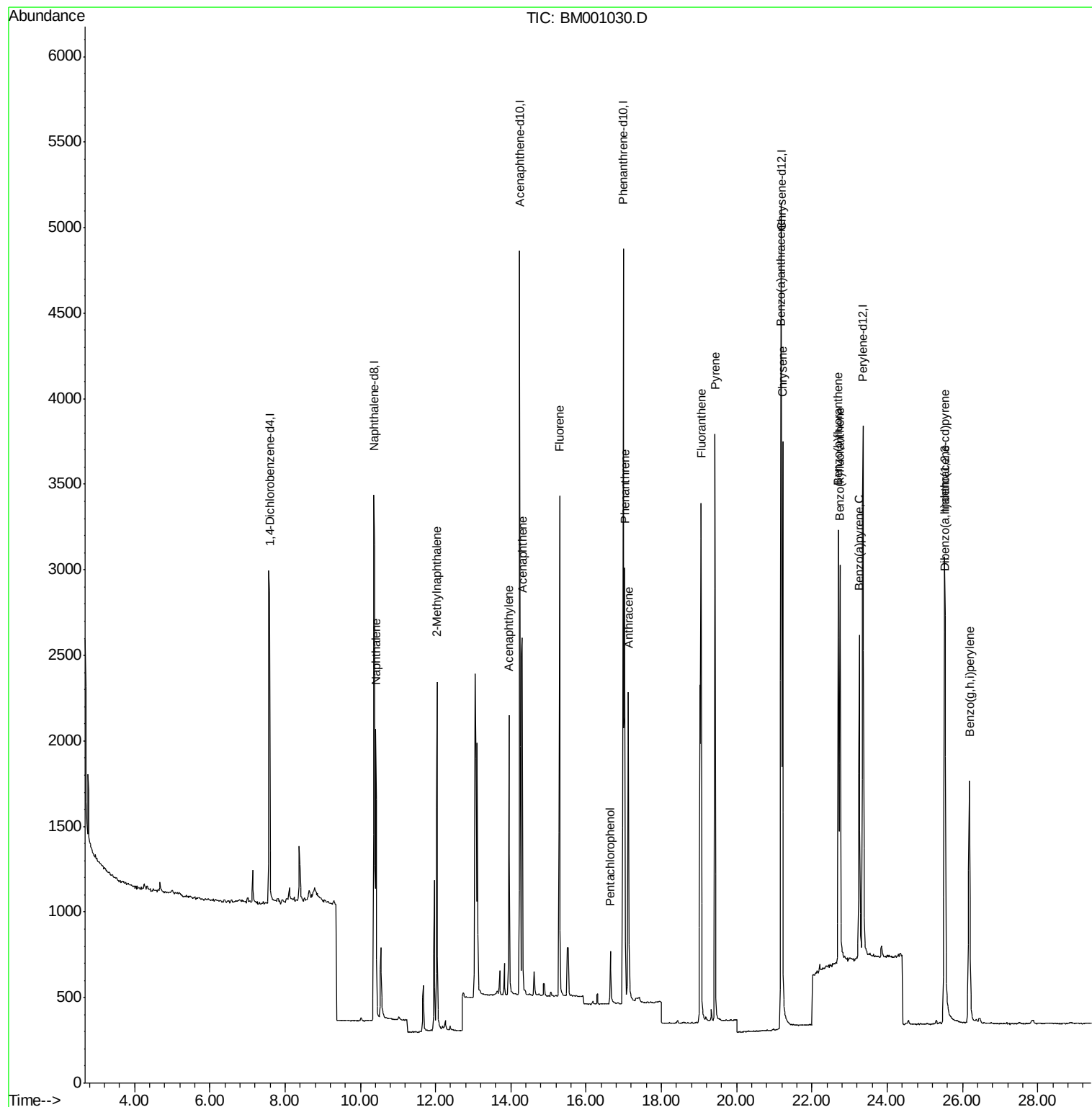
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	2377	2.11	ng	# 93
7) 2-Methylnaphthalene	12.03	142	1611	2.18	ng	# 94
10) Acenaphthylene	13.94	152	2195	1.68	ng	99
11) Acenaphthene	14.30	154	1579	2.00	ng	100
12) Fluorene	15.30	166	1992	2.17	ng	100
15) Pentachlorophenol	16.64	266	252	2.38	ng	# 92
16) Phenanthrene	17.03	178	3117	1.87	ng	100
17) Anthracene	17.12	178	2850	2.23	ng	99
18) Fluoranthene	19.06	202	3415	2.36	ng	100
20) Pyrene	19.42	202	3552	1.96	ng	99
22) Benzo(a)anthracene	21.17	228	2857	1.78	ng	96
23) Chrysene	21.22	228	3303	2.06	ng	96
24) Indeno(1,2,3-cd)pyrene	25.53	276	3241	1.89	ng	99
26) Benzo(b)fluoranthene	22.70	252	3049	1.83	ng	# 87
27) Benzo(k)fluoranthene	22.74	252	3187	2.04	ng	# 88
28) Benzo(a)pyrene	23.25	252	2949	2.04	ng	# 84
29) Dibenzo(a,h)anthracene	25.54	278	2611	1.85	ng	# 91
30) Benzo(g,h,i)perylene	26.18	276	2867	1.94	ng	94

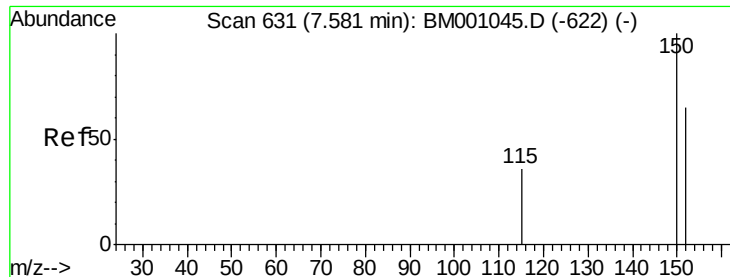
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

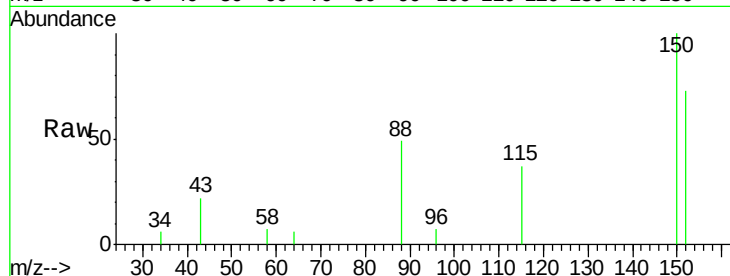
Tgt Ion:152 Resp: 1259

Ion Ratio Lower Upper

152 100

150 136.7 123.3 184.9

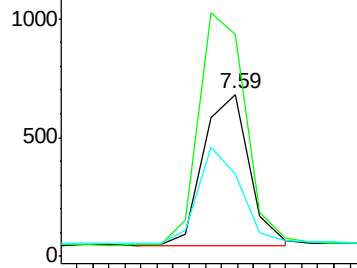
115 51.1 45.0 67.6



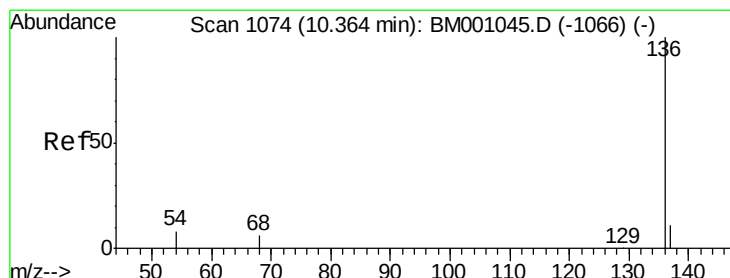
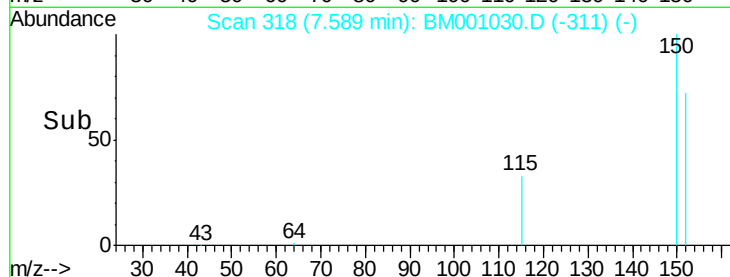
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 515

Delta R.T. -0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

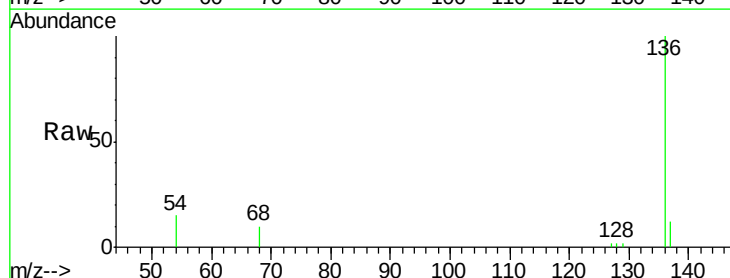
Tgt Ion:136 Resp: 4684

Ion Ratio Lower Upper

136 100

137 11.8 8.6 13.0

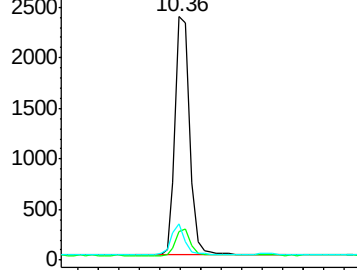
54 14.7 6.5 9.7#



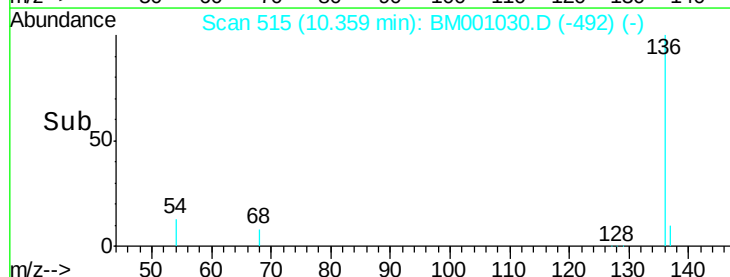
Abundance Ion 136.00 (135.70 to 136.70): E

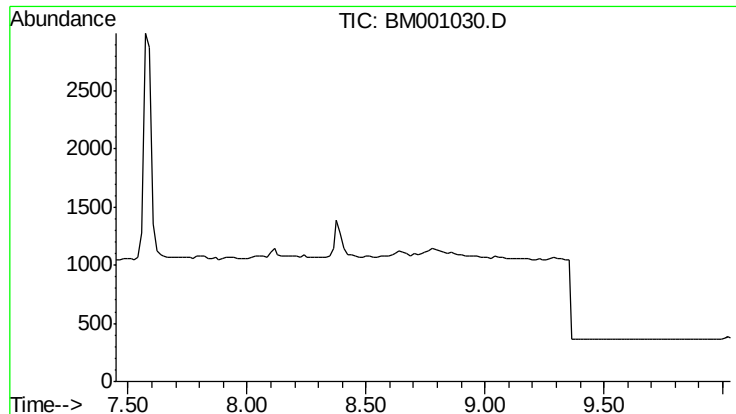
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



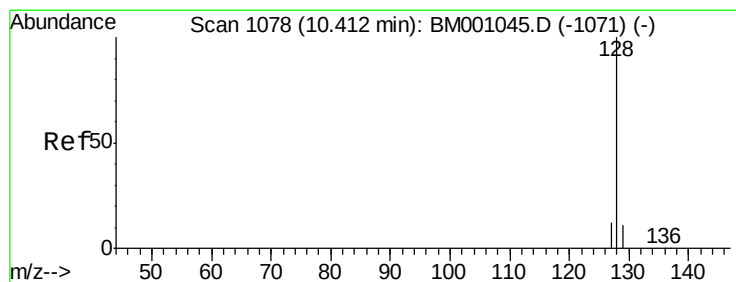
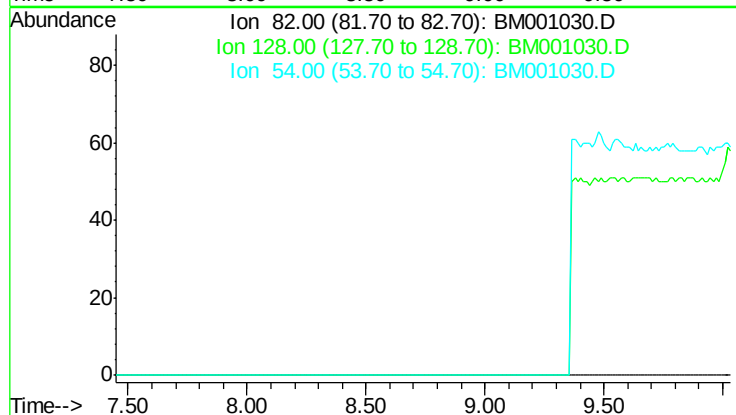


#5
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.74 min
 Lab File: BM001030.D
 Acq: 17 Apr 2015 12:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.234

Tgt Ion: 82

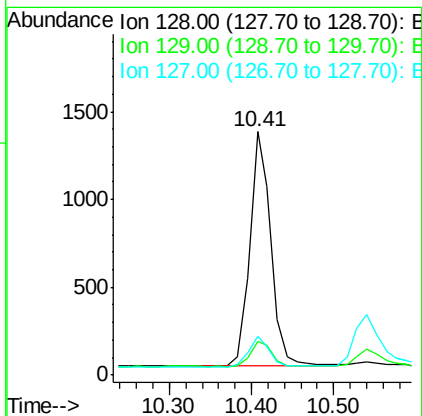
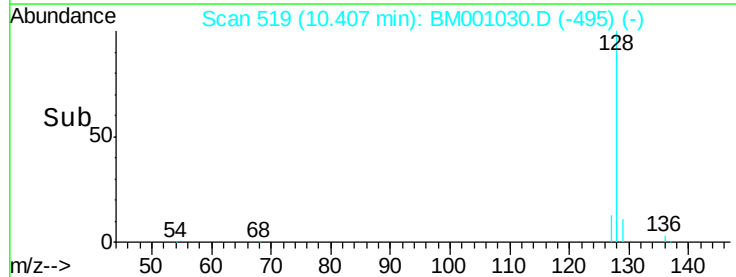
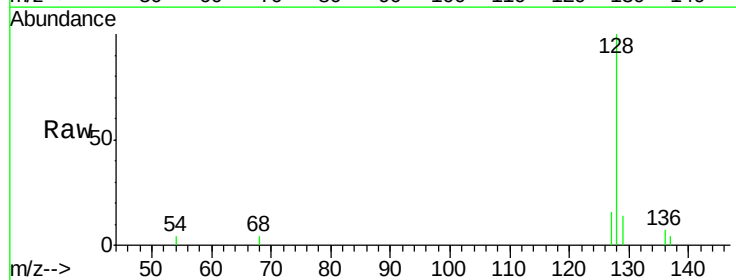
Sig	Exp Ratio
82	100
128	39.9
54	64.1

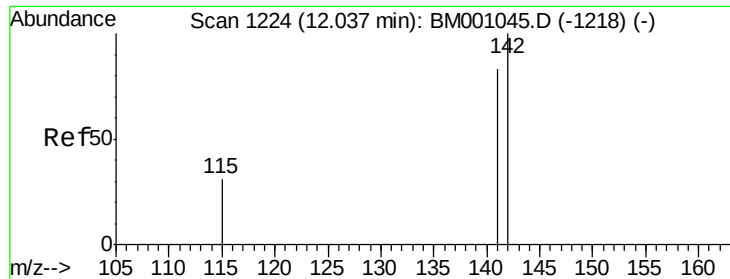


#6
 Naphthalene
 Concen: 2.11 ng
 RT: 10.41 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BM001030.D
 Acq: 17 Apr 2015 12:38

Tgt Ion: 128 Resp: 2377

Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.3	13.9
127	15.9	10.0	15.0





#7

2-Methylnaphthalene

Concen: 2.18 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

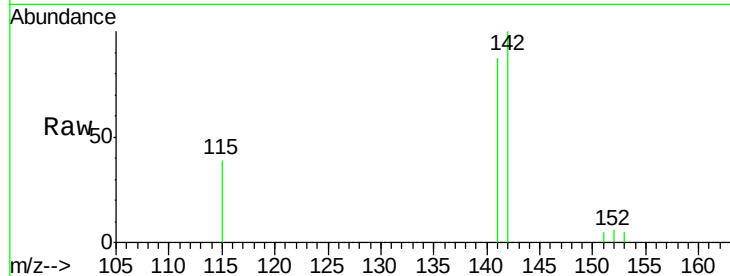
Tgt Ion:142 Resp: 1611

Ion Ratio Lower Upper

142 100

141 87.1 66.7 100.1

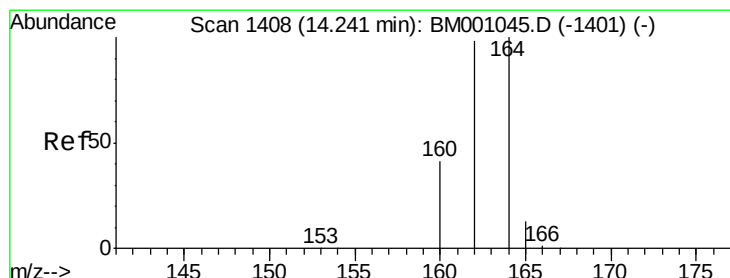
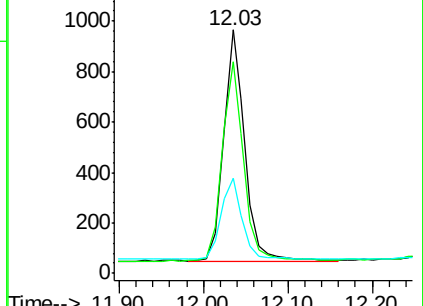
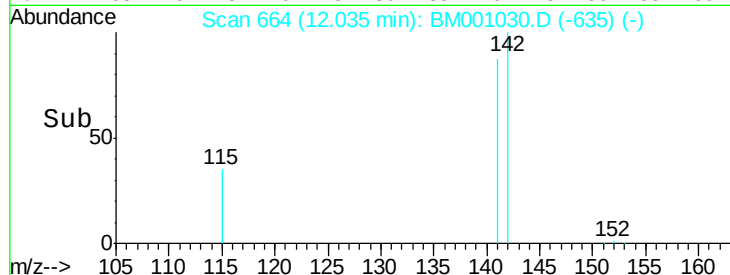
115 38.8 25.5 38.3#



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: BM001030.D

Acq: 17 Apr 2015 12:38

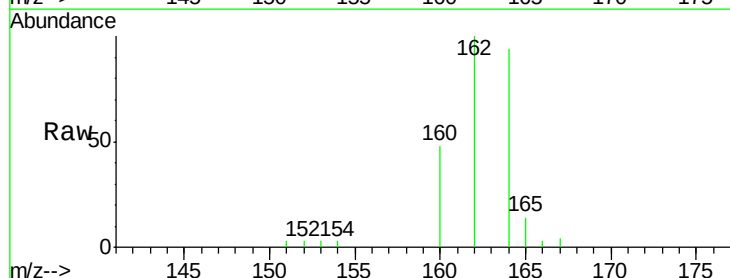
Tgt Ion:164 Resp: 2519

Ion Ratio Lower Upper

164 100

162 106.7 78.5 117.7

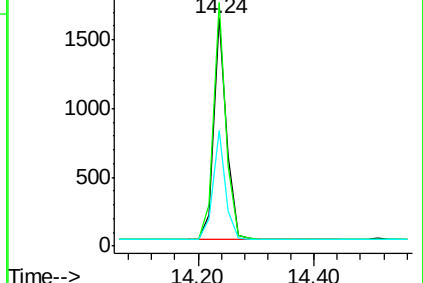
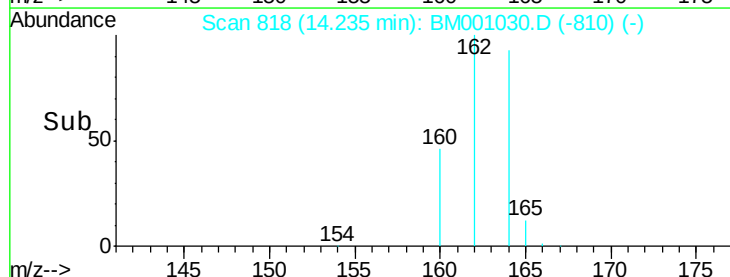
160 50.7 32.9 49.3#

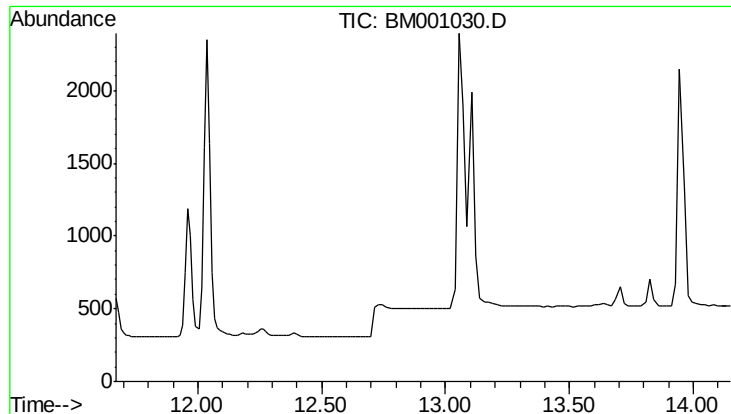


Abundance Ion 164.00 (163.70 to 164.70): E

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: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

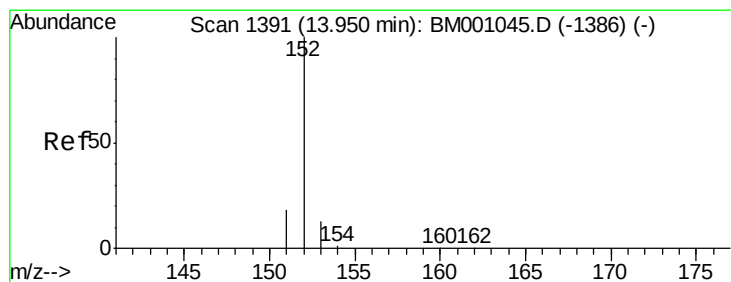
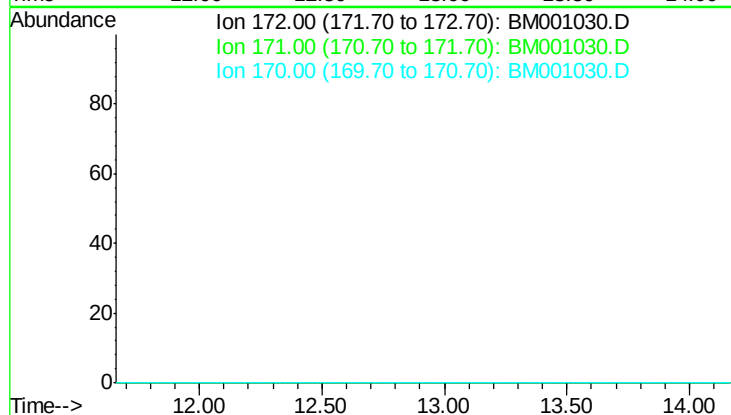
Tgt Ion: 172

Sig Exp Ratio

172 100

171 32.0

170 19.7



#10

Acenaphthylene

Concen: 1.68 ng

RT: 13.94 min Scan# 801

Delta R.T. -0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

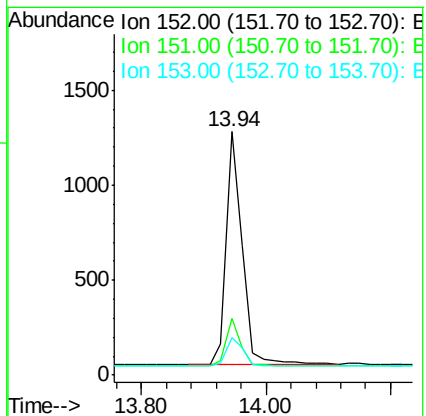
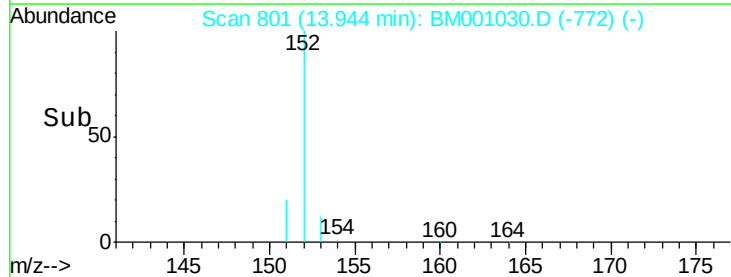
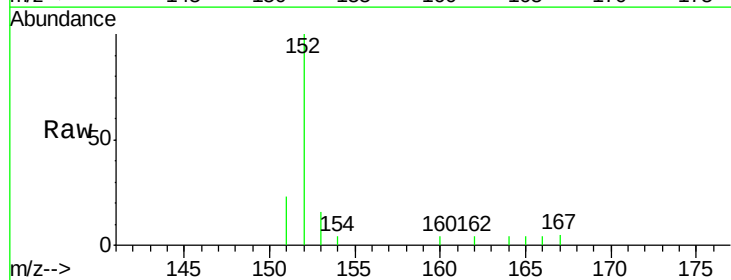
Tgt Ion: 152 Resp: 2195

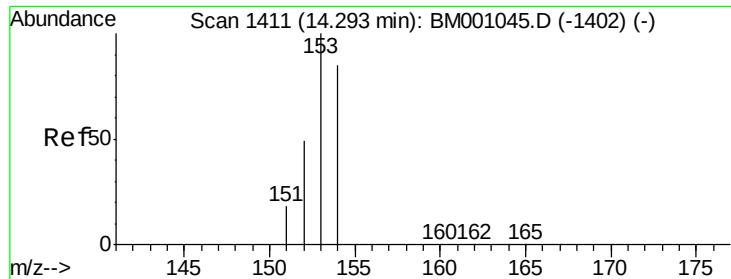
Ion Ratio Lower Upper

152 100

151 18.9 14.7 22.1

153 13.1 10.2 15.2





#11

Acenaphthene

Concen: 2.00 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

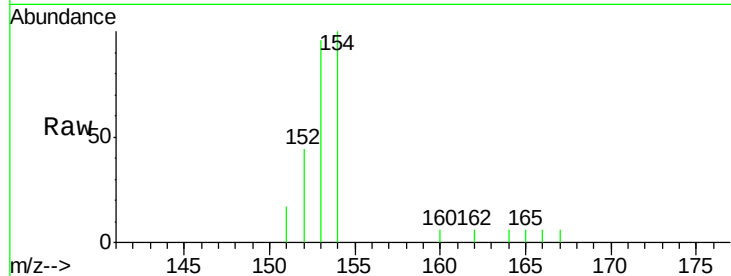
Tgt Ion:154 Resp: 1579

Ion Ratio Lower Upper

154 100

153 110.3 88.1 132.1

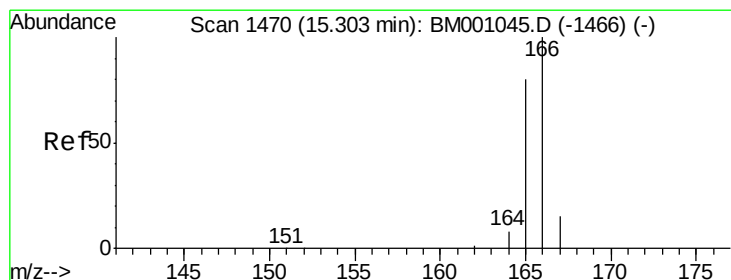
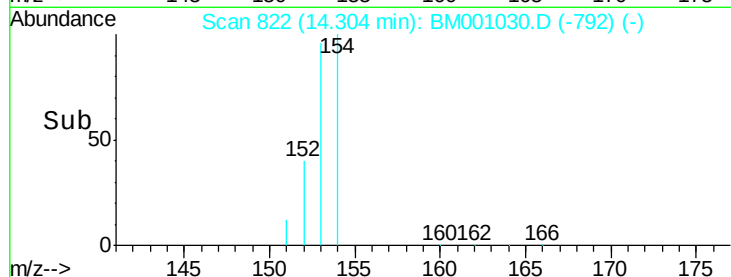
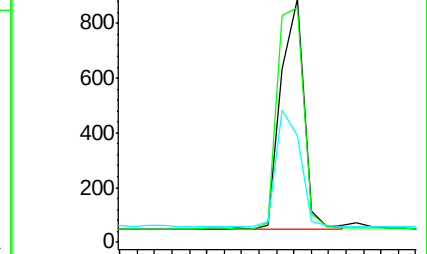
152 52.1 42.3 63.5



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: 2.17 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

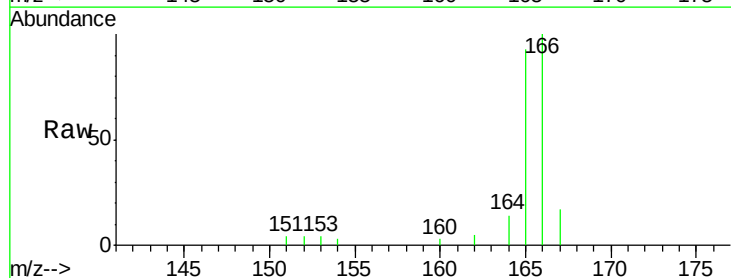
Tgt Ion:166 Resp: 1992

Ion Ratio Lower Upper

166 100

165 97.3 77.6 116.4

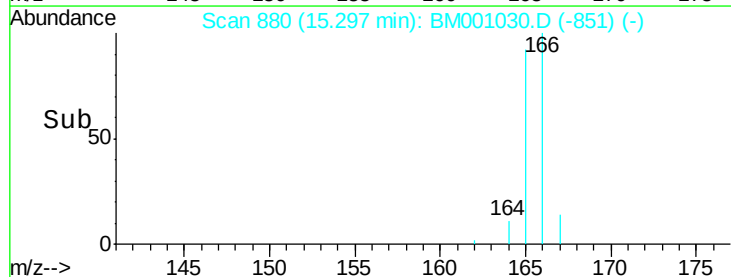
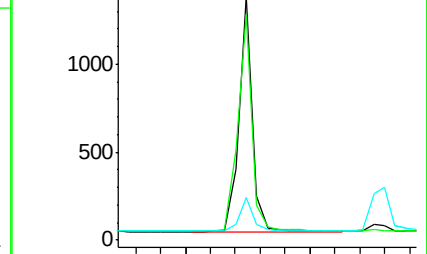
167 13.8 10.6 16.0

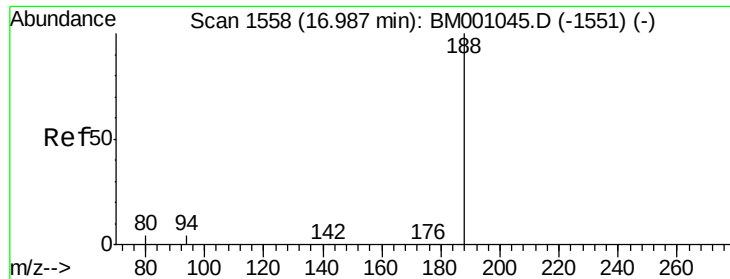


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

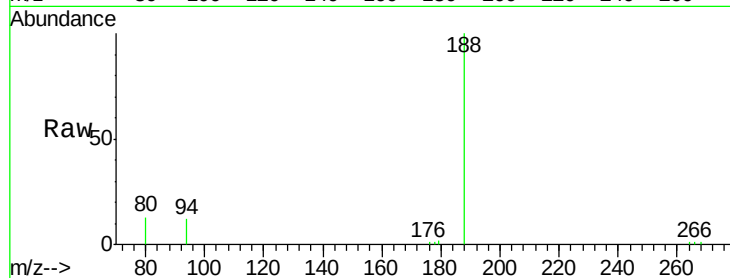




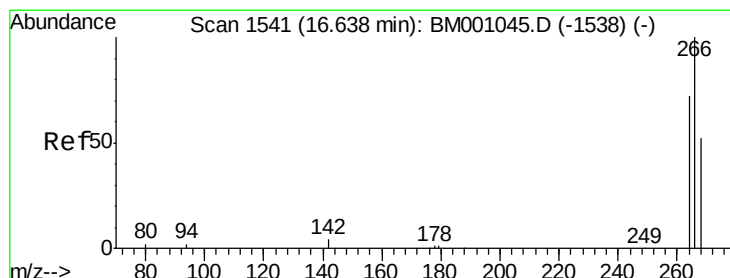
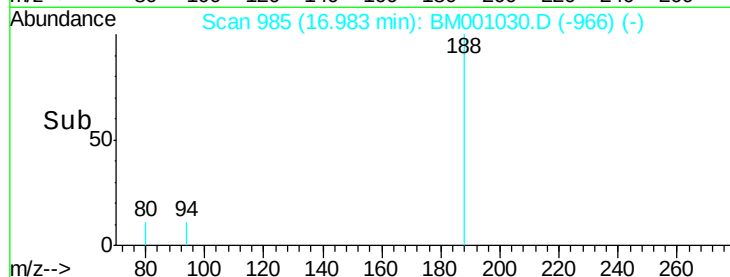
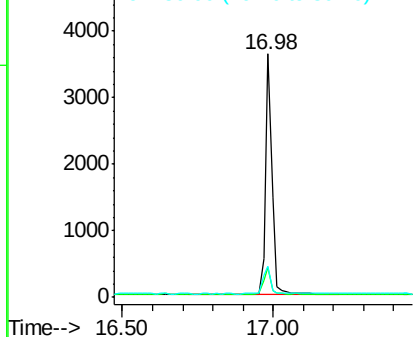
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 985
Delta R.T. -0.00 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

Instrument :
BNA_M
ClientSampleId :
SSTD0.234

Tgt Ion:188 Resp: 5486
Ion Ratio Lower Upper
188 100
94 12.1 3.6 5.4#
80 12.6 3.0 4.6#

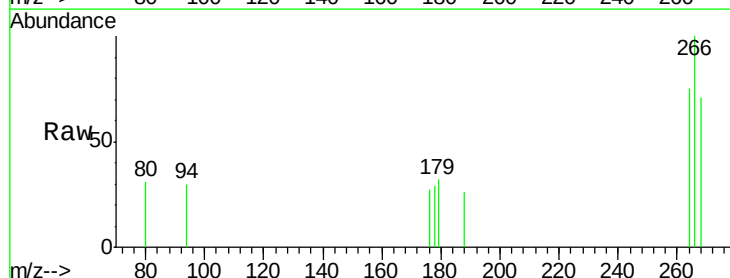


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

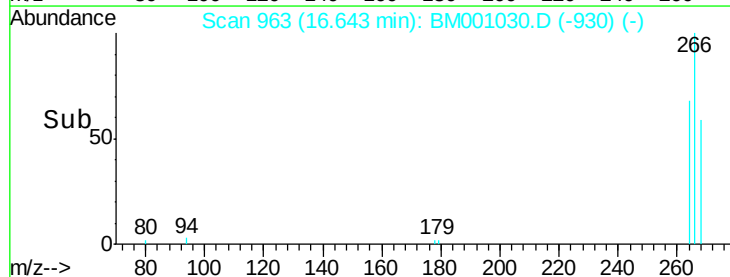
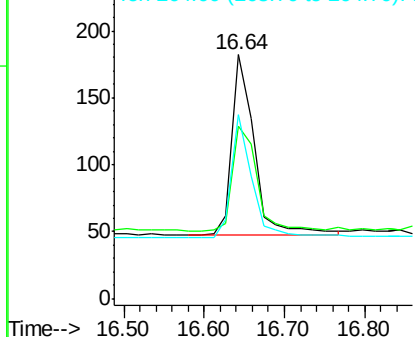


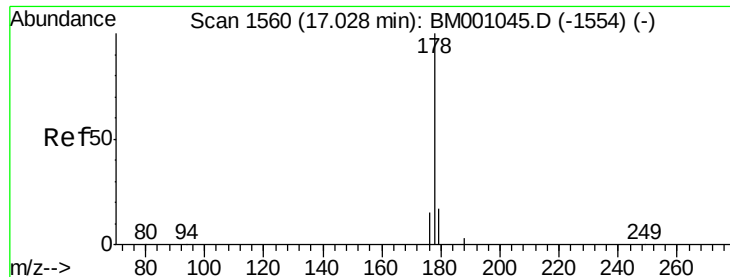
#15
Pentachlorophenol
Concen: 2.38 ng
RT: 16.64 min Scan# 963
Delta R.T. 0.01 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

Tgt Ion:266 Resp: 252
Ion Ratio Lower Upper
266 100
268 70.9 46.3 69.5#
264 75.3 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

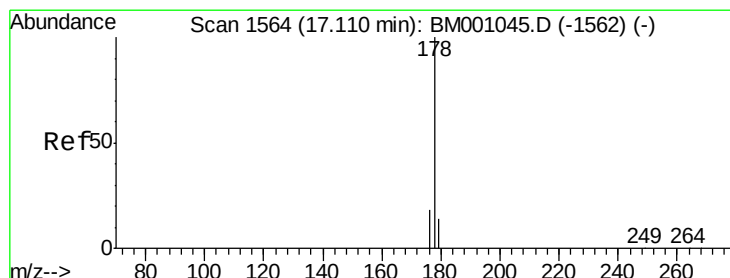
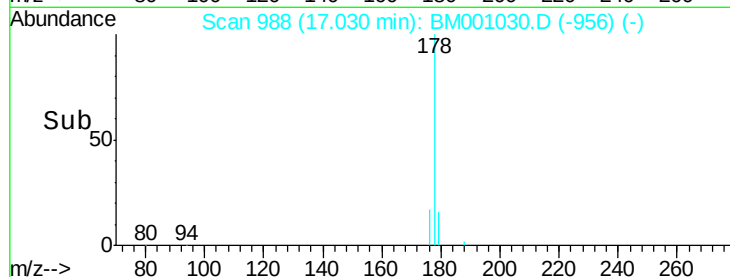
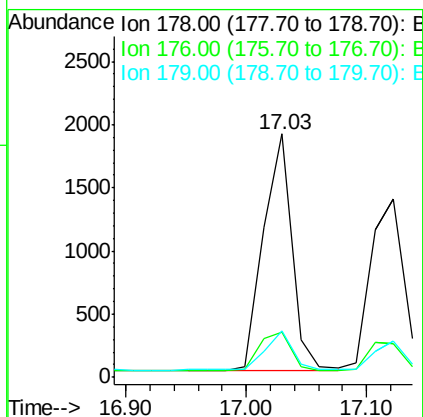
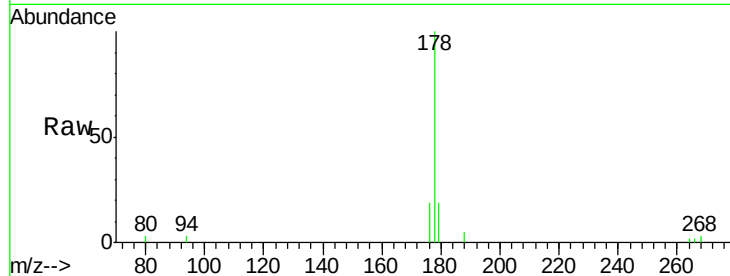




#16
Phenanthrene
Concen: 1.87 ng
RT: 17.03 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

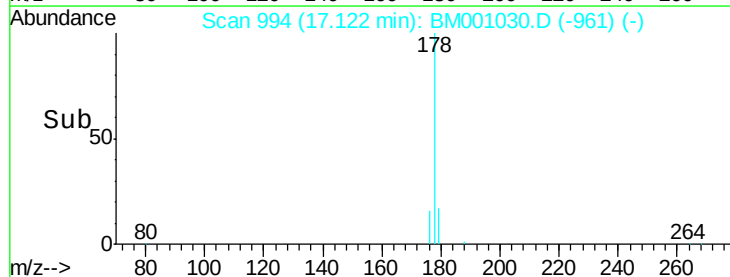
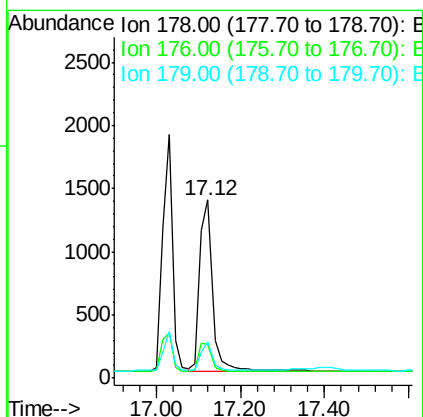
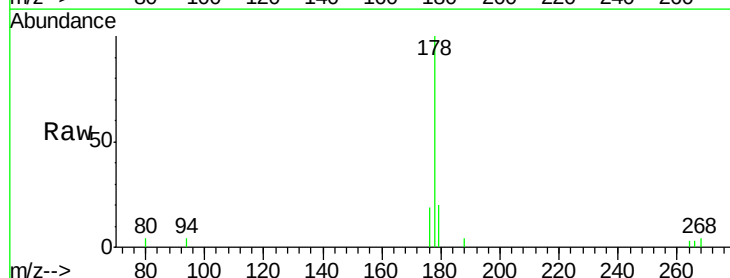
Instrument :
BNA_M
ClientSampleId :
SSTD0.234

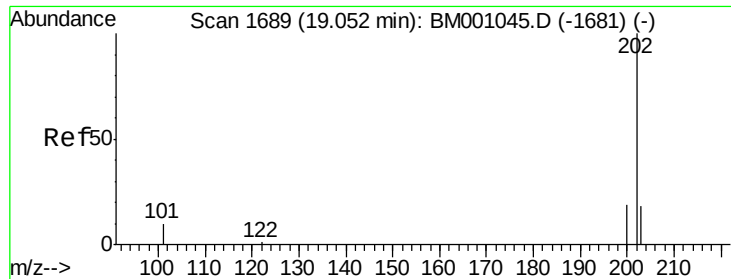
Tgt Ion:178 Resp: 3117
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.8 12.6 19.0



#17
Anthracene
Concen: 2.23 ng
RT: 17.12 min Scan# 994
Delta R.T. 0.01 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

Tgt Ion:178 Resp: 2850
Ion Ratio Lower Upper
178 100
176 17.4 14.3 21.5
179 15.4 11.8 17.8

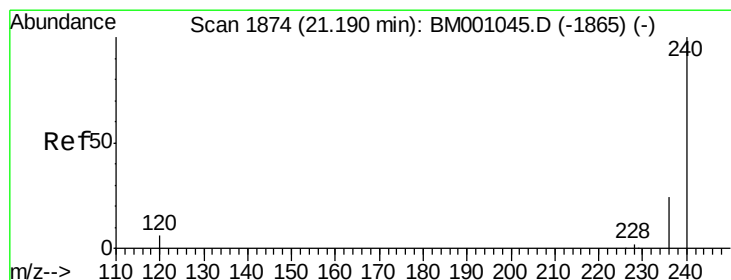
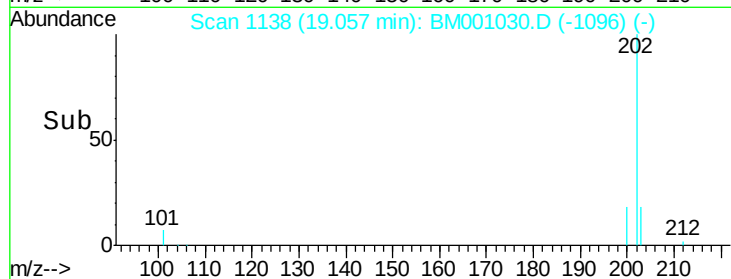
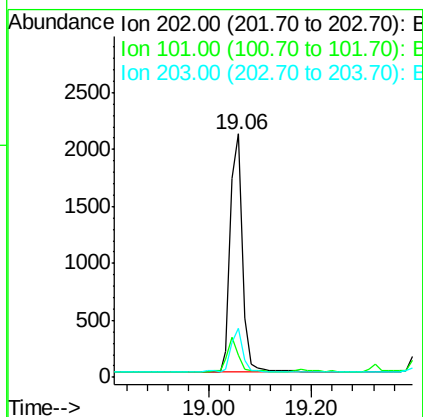
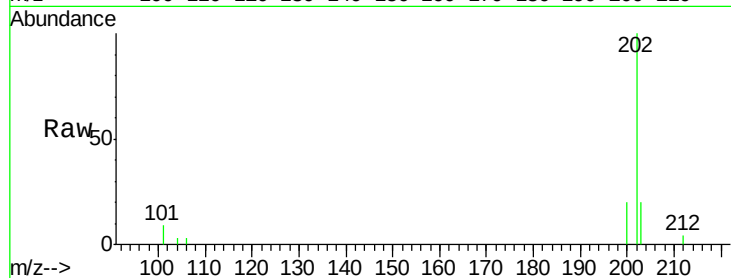




#18
 Fluoranthene
 Concen: 2.36 ng
 RT: 19.06 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: BM001030.D
 Acq: 17 Apr 2015 12:38

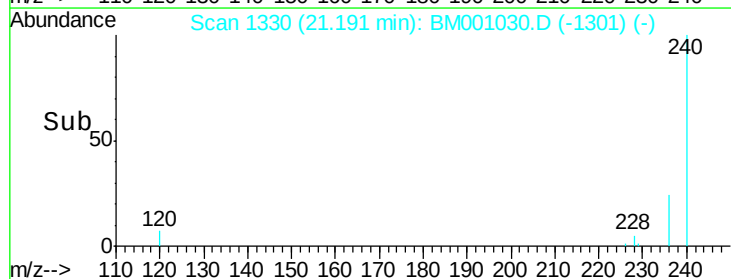
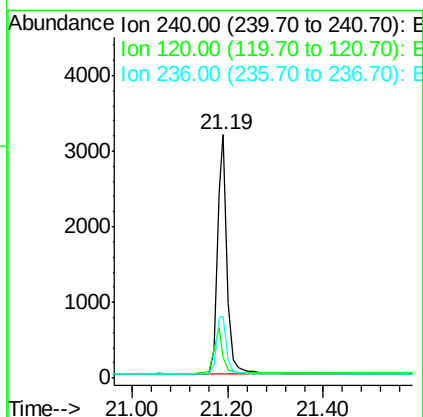
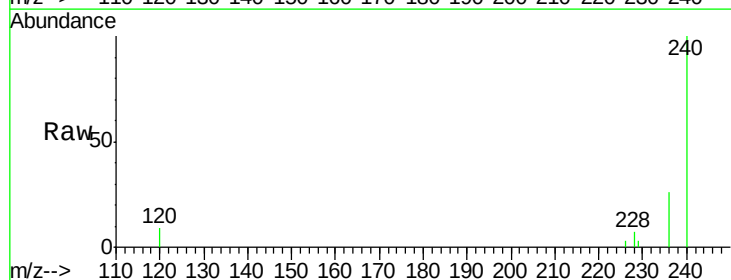
Instrument :
 BNA_M
 ClientSampleId :
 SST0.234

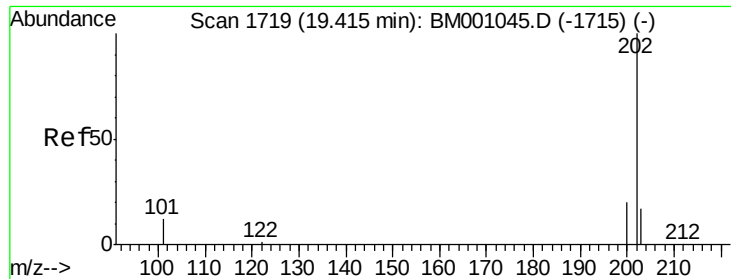
Tgt Ion: 202 Resp: 3415
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.1 15.1
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BM001030.D
 Acq: 17 Apr 2015 12:38

Tgt Ion: 240 Resp: 4695
 Ion Ratio Lower Upper
 240 100
 120 8.7 4.6 6.8#
 236 25.6 19.1 28.7

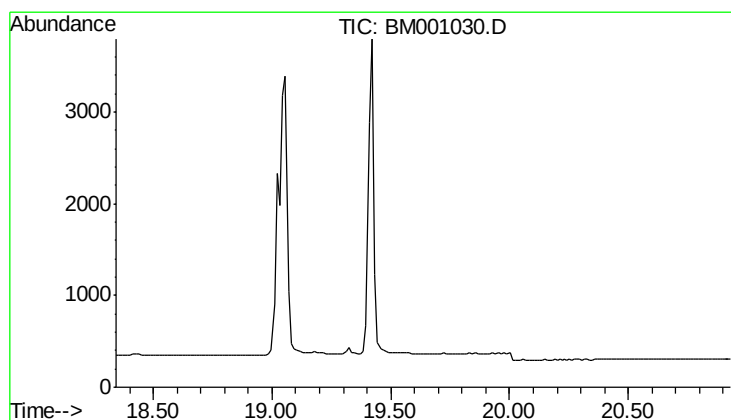
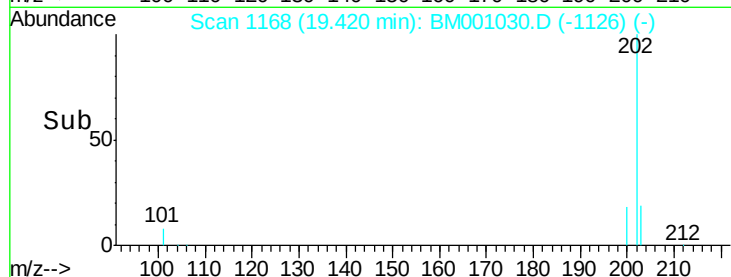
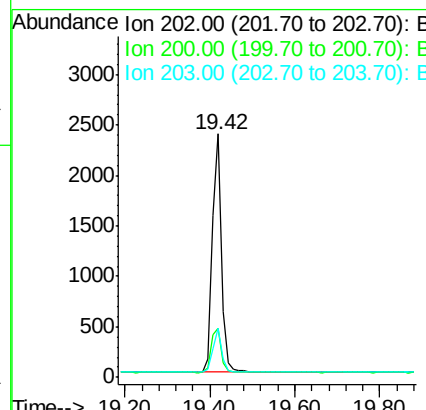
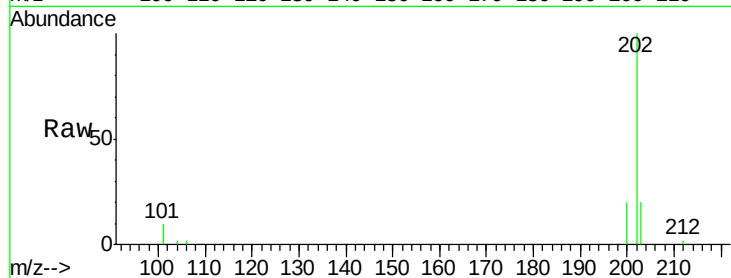




#20
Pyrene
Concen: 1.96 ng
RT: 19.42 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

Instrument :
BNA_M
ClientSampleId :
SSTD0.234

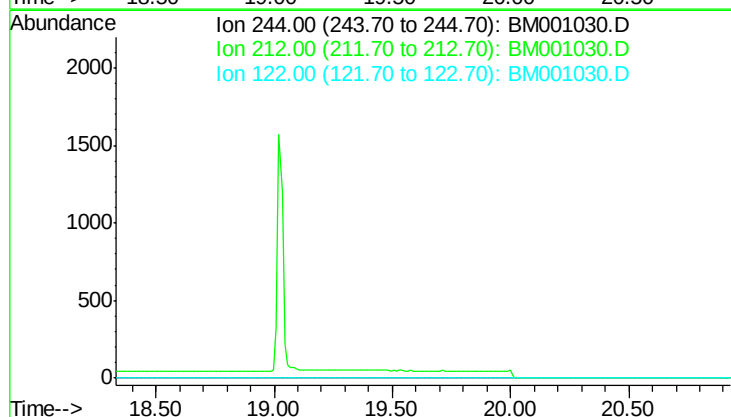
Tgt Ion: 202 Resp: 3552
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 18.4 13.8 20.6

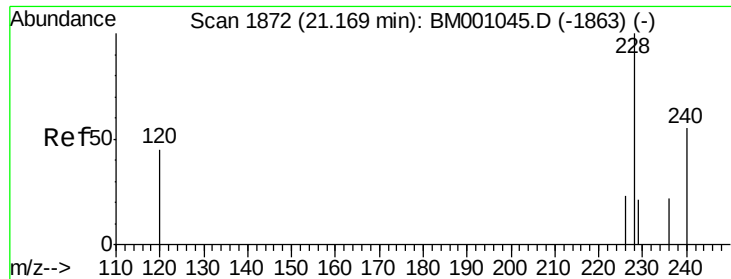


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

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





#22

Benzo(a)anthracene

Concen: 1.78 ng

RT: 21.17 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

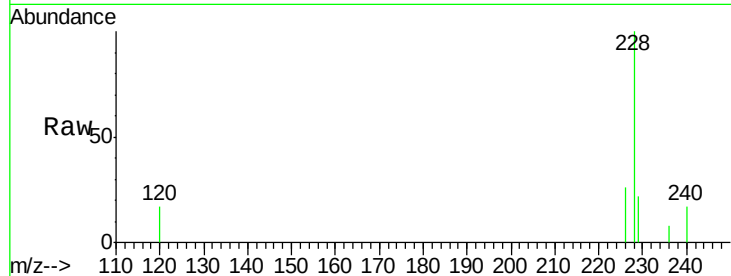
Tgt Ion:228 Resp: 2857

Ion Ratio Lower Upper

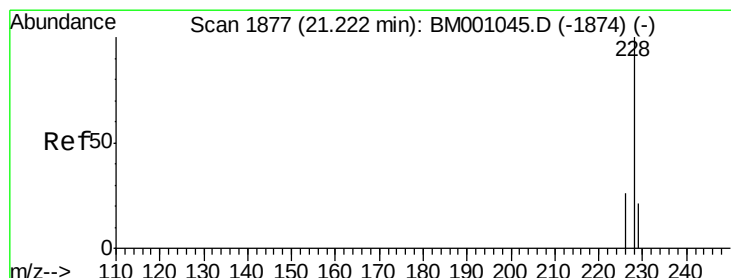
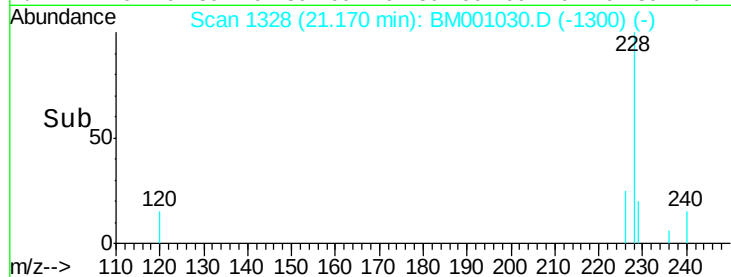
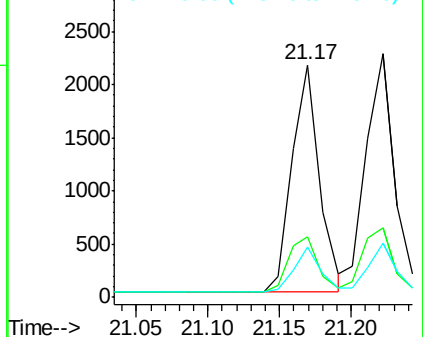
228 100

226 26.2 19.0 28.6

229 22.0 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: 2.06 ng

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

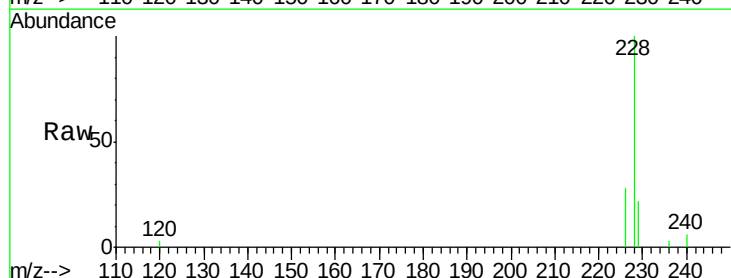
Tgt Ion:228 Resp: 3303

Ion Ratio Lower Upper

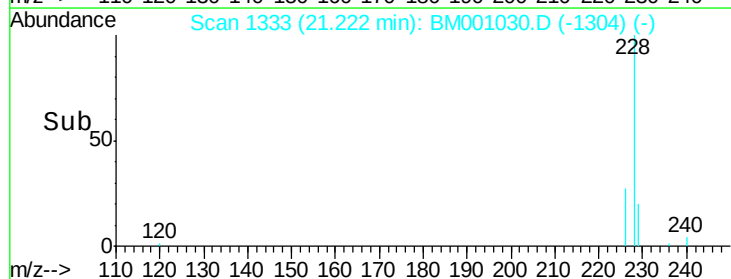
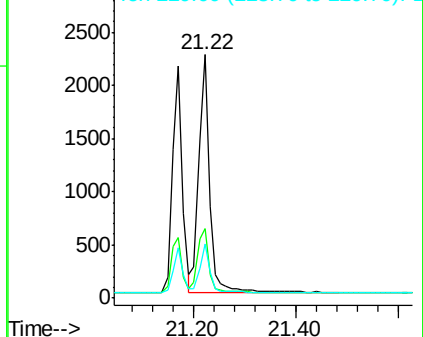
228 100

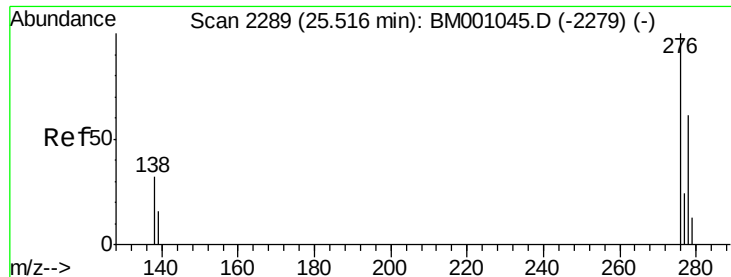
226 28.5 20.6 31.0

229 22.2 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: 1.89 ng

RT: 25.53 min Scan# 1746

Delta R.T. 0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

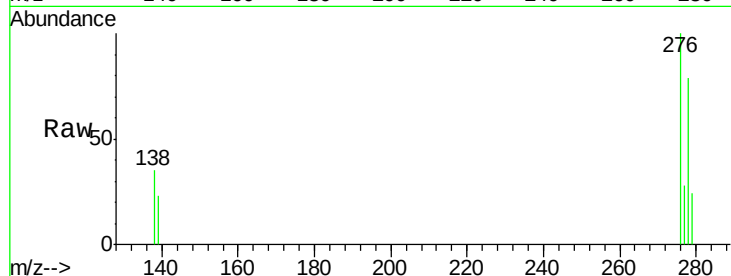
Tgt Ion:276 Resp: 3241

Ion Ratio Lower Upper

276 100

138 31.7 26.3 39.5

277 24.7 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

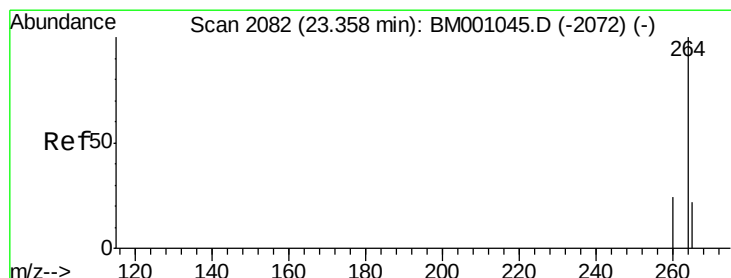
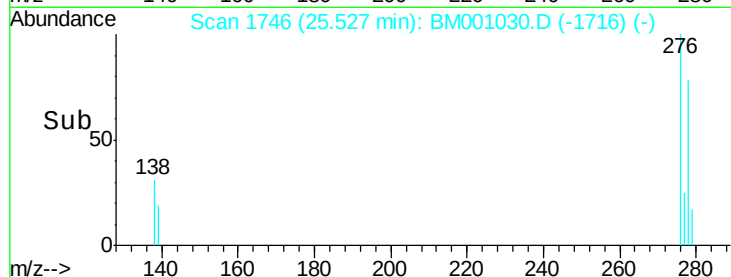
25.53

1000

500

0

Time--> 25.40 25.60 25.80



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

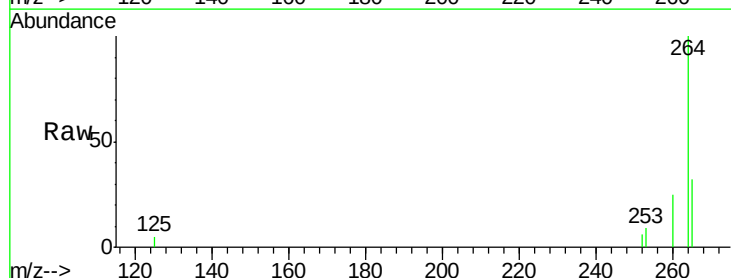
Tgt Ion:264 Resp: 4325

Ion Ratio Lower Upper

264 100

260 25.4 19.0 28.6

265 32.3 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

23.36

3000

2500

2000

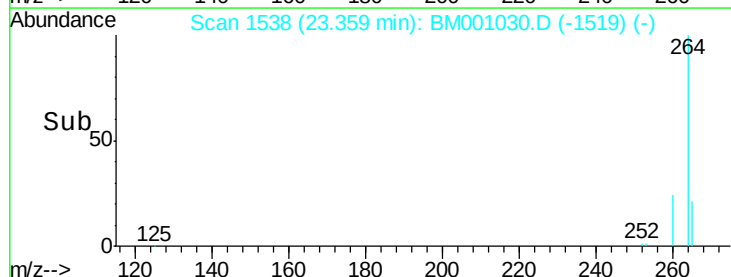
1500

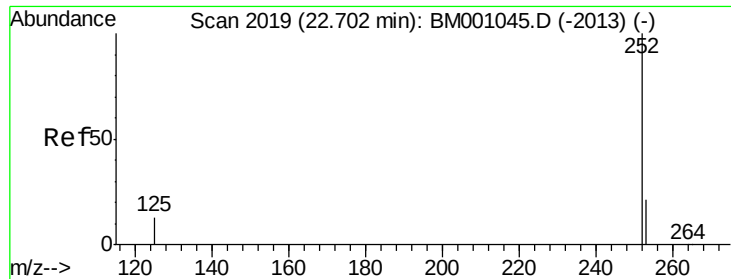
1000

500

0

Time--> 23.20 23.40 23.60

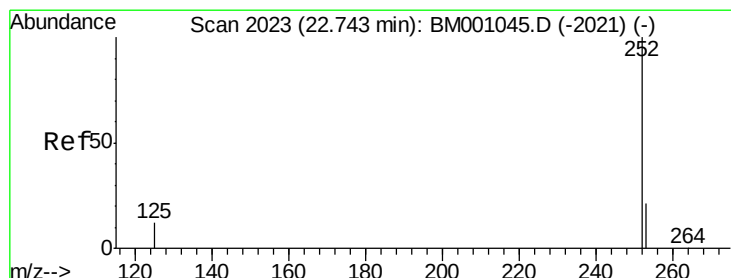
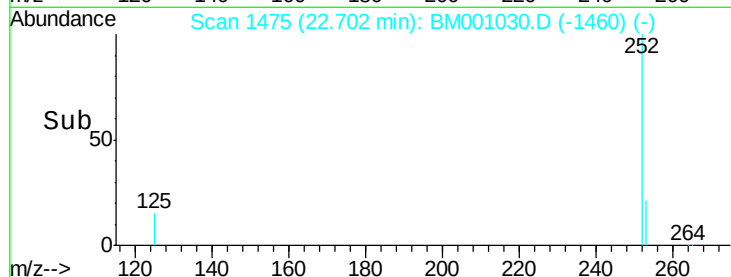
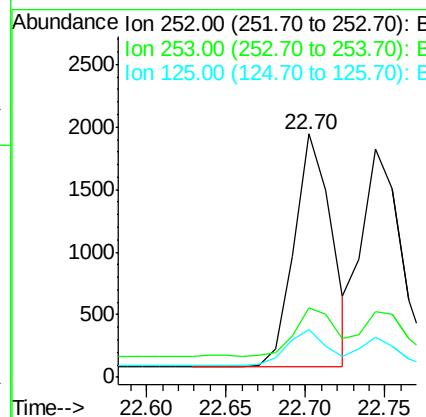
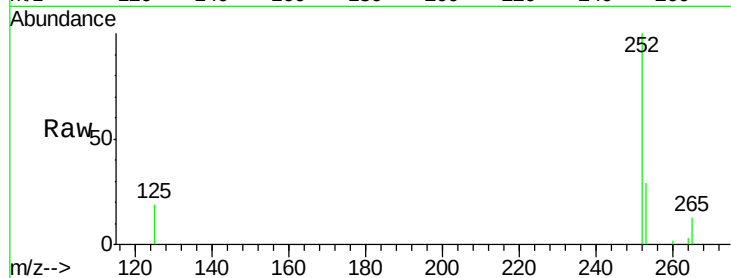




#26
Benzo(b)fluoranthene
Concen: 1.83 ng
RT: 22.70 min Scan# 1475
Delta R.T. 0.00 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

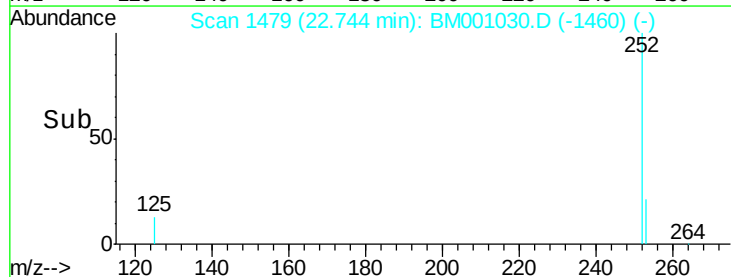
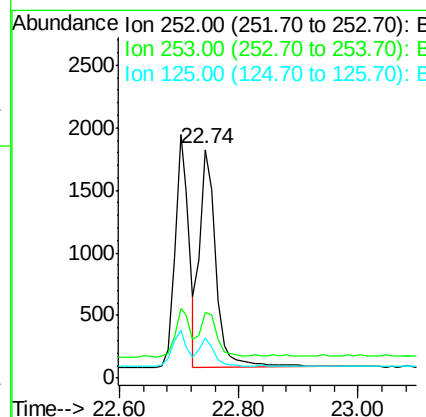
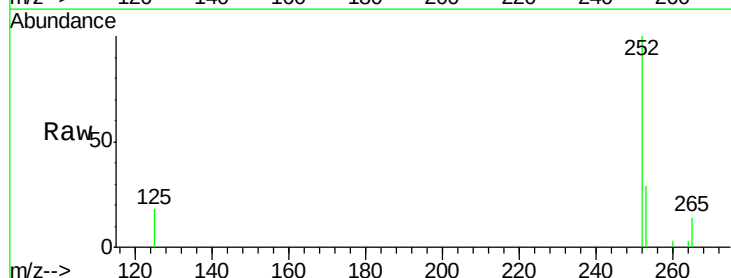
Instrument :
BNA_M
ClientSampleId :
SSTD0.234

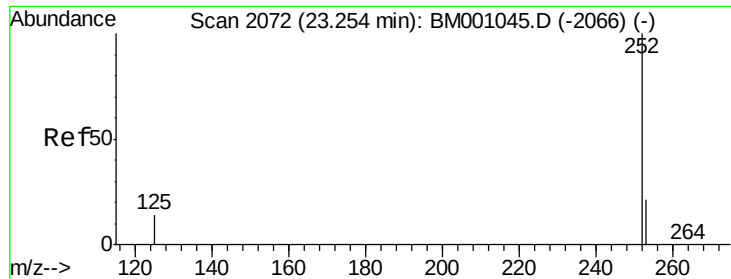
Tgt Ion:252 Resp: 3049
Ion Ratio Lower Upper
252 100
253 28.6 18.2 27.2#
125 19.4 10.9 16.3#



#27
Benzo(k)fluoranthene
Concen: 2.04 ng
RT: 22.74 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BM001030.D
Acq: 17 Apr 2015 12:38

Tgt Ion:252 Resp: 3187
Ion Ratio Lower Upper
252 100
253 28.9 18.3 27.5#
125 17.8 10.6 15.8#





#28

Benzo(a)pyrene

Concen: 2.04 ng

RT: 23.25 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

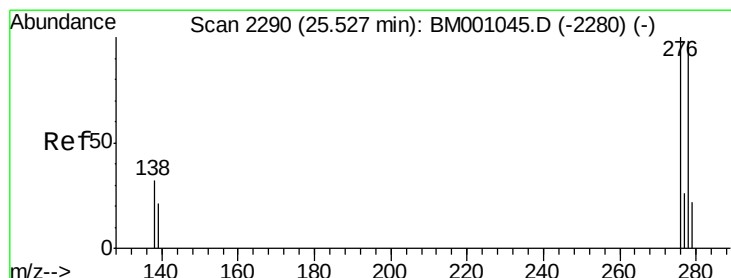
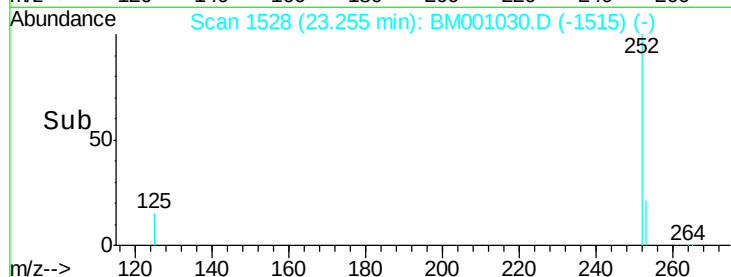
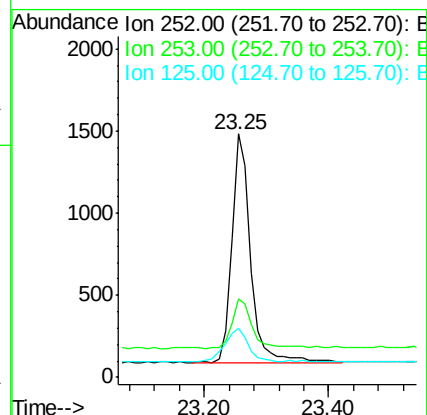
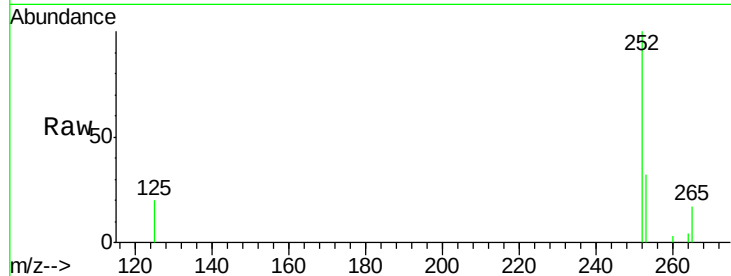
Tgt Ion:252 Resp: 2949

Ion Ratio Lower Upper

252 100

253 32.2 18.6 27.8#

125 20.2 11.9 17.9#



#29

Dibenzo(a,h)anthracene

Concen: 1.85 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

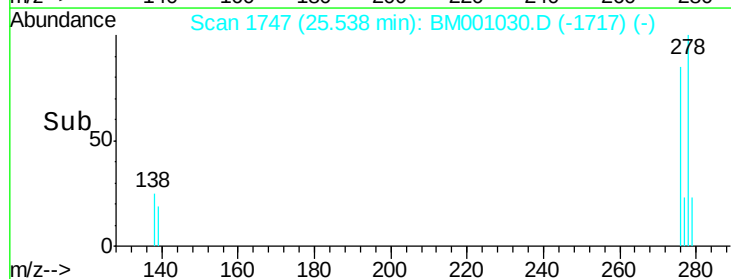
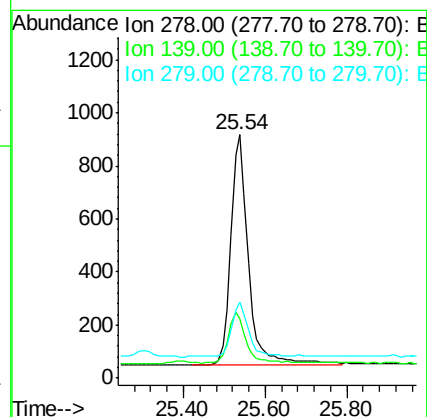
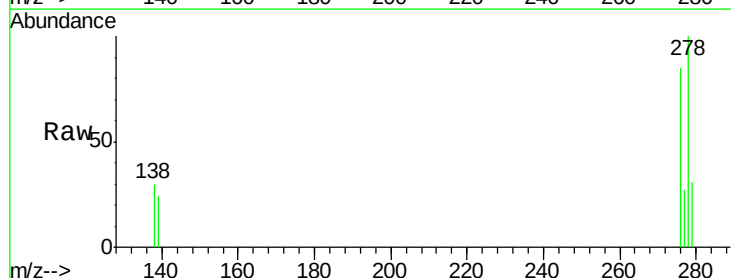
Tgt Ion:278 Resp: 2611

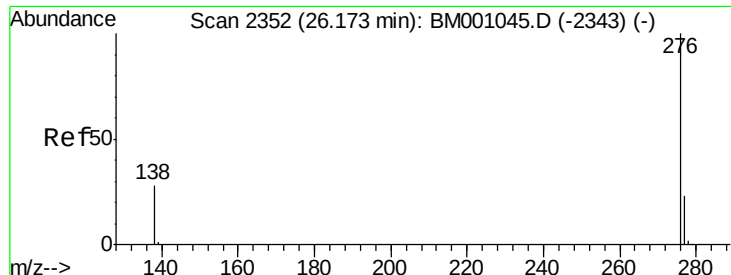
Ion Ratio Lower Upper

278 100

139 24.3 18.2 27.2

279 30.9 19.1 28.7#





#30

Benzo(g,h,i)perylene

Concen: 1.94 ng

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001030.D

Acq: 17 Apr 2015 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.234

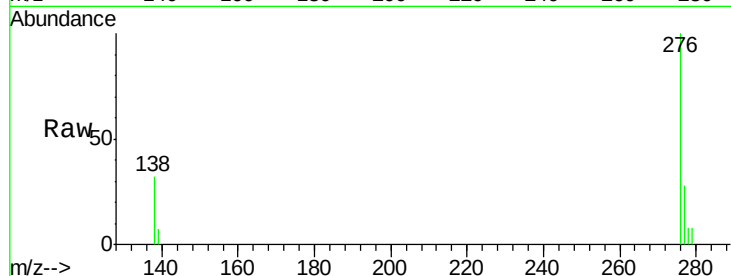
Tgt Ion: 276 Resp: 2867

Ion Ratio Lower Upper

276 100

277 27.8 19.0 28.4

138 31.9 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

