

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001025.D
 Acq On : 16 Apr 2015 20:08
 Operator : TP/IZ
 Sample : SSTD0.830
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.830

Quant Time: Apr 20 08:48:30 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	1290	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4636	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2690	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	4843	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4185	5.00	ng	0.00
25) Perylene-d12	23.36	264	3786	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

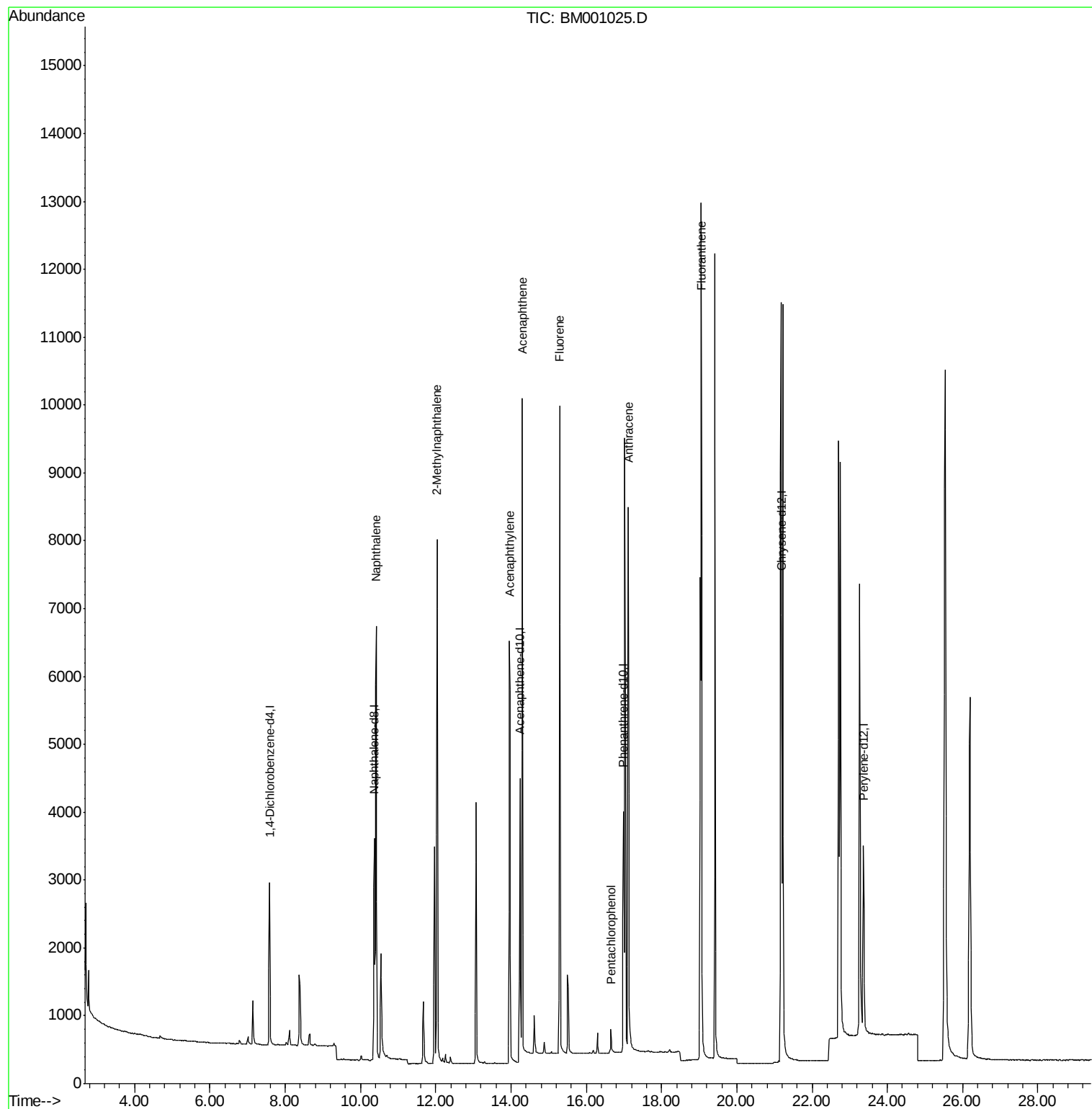
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.42	128	9573	8.60	ng	99
7) 2-Methylnaphthalene	12.03	142	6211	8.49	ng	# 89
10) Acenaphthylene	13.96	152	8336	5.37	ng	100
11) Acenaphthene	14.30	154	5805	6.87	ng	98
12) Fluorene	15.29	166	7179	7.31	ng	99
15) Pentachlorophenol	16.65	266	336	3.60	ng	# 90
16) Phenanthrene	17.02	178	11144	Below Cal		99
17) Anthracene	17.12	178	10274	9.09	ng	99
18) Fluoranthene	19.05	202	12461	9.74	ng	100
20) Pyrene	19.42	202	12523	Below Cal		99
22) Benzo(a)anthracene	21.18	228	10148	Below Cal		99
23) Chrysene	21.23	228	11776	Below Cal		98
24) Indeno(1,2,3-cd)pyrene	25.53	276	12115	Below Cal		100
26) Benzo(b)fluoranthene	22.71	252	10855	Below Cal		99
27) Benzo(k)fluoranthene	22.75	252	11424	Below Cal		99
28) Benzo(a)pyrene	23.26	252	10326	Below Cal		98
29) Dibenzo(a,h)anthracene	25.54	278	9911	Below Cal		98
30) Benzo(g,h,i)perylene	26.19	276	10737	Below Cal		99

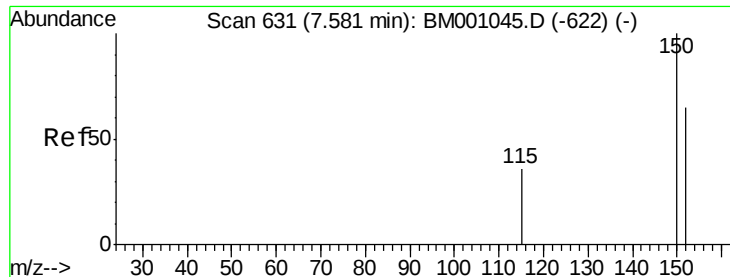
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

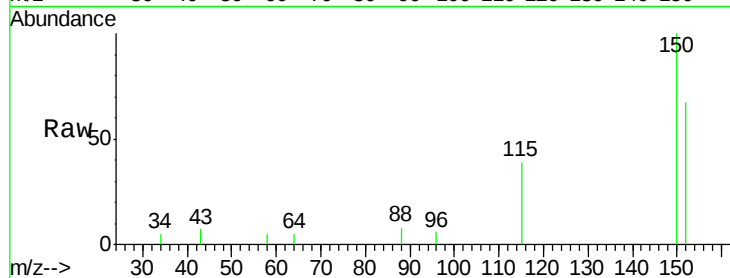
Tgt Ion:152 Resp: 1290

Ion Ratio Lower Upper

152 100

150 149.0 123.3 184.9

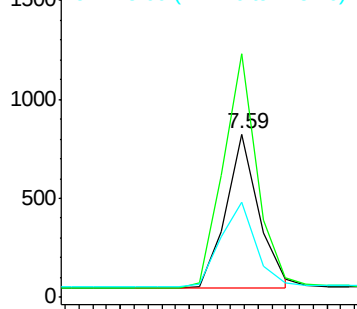
115 58.0 45.0 67.6



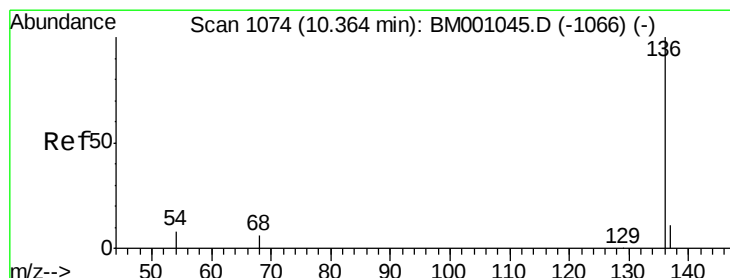
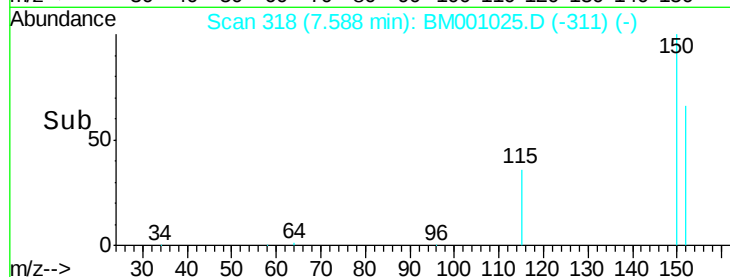
Abundance Ion 152.00 (151.70 to 152.70): E

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: 10.37 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

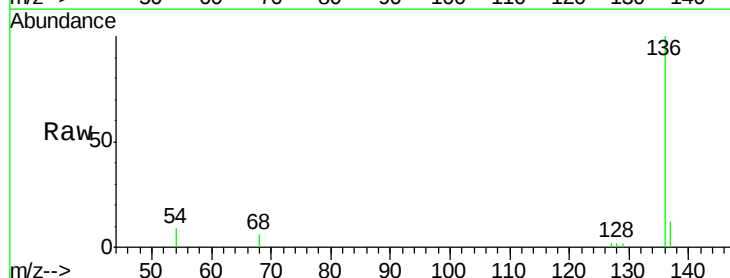
Tgt Ion:136 Resp: 4636

Ion Ratio Lower Upper

136 100

137 12.4 8.6 13.0

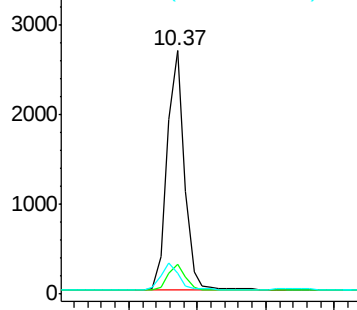
54 8.6 6.5 9.7



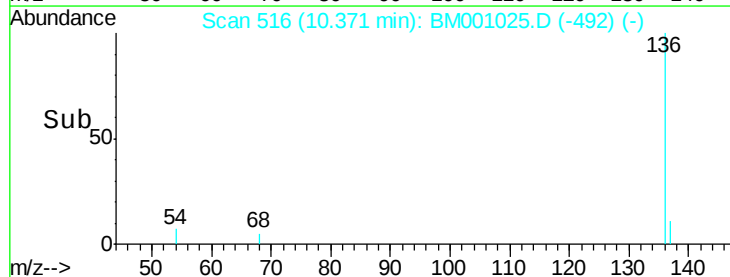
Abundance Ion 136.00 (135.70 to 136.70): E

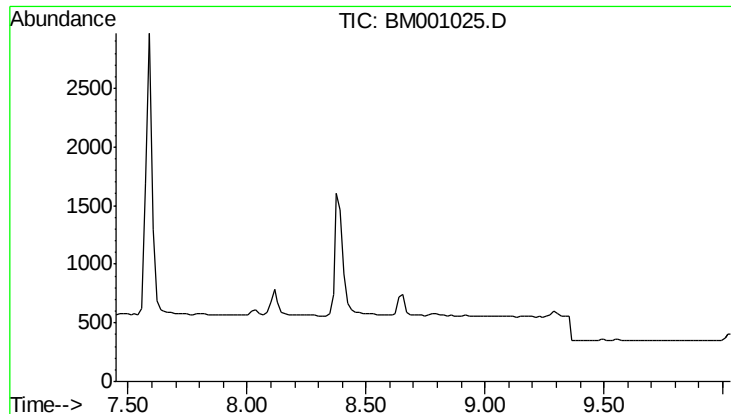
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#5

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 8.74 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.9

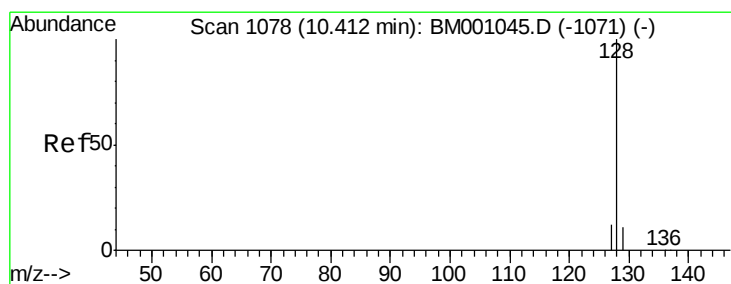
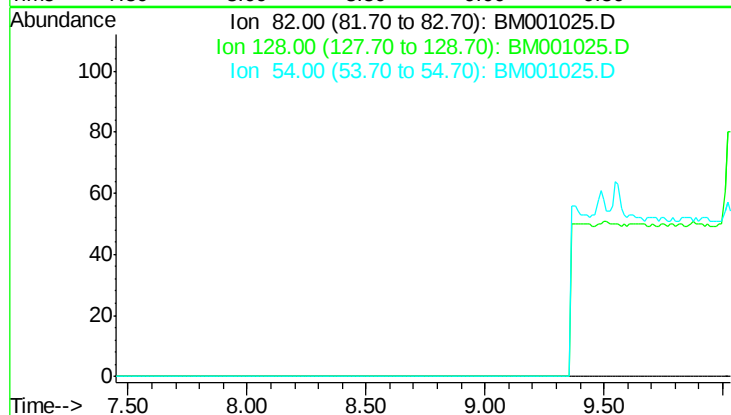
54 64.1

Instrument :

BNA_M

ClientSampleId :

SSTD0.830



#6

Naphthalene

Concen: 8.60 ng

RT: 10.42 min Scan# 520

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

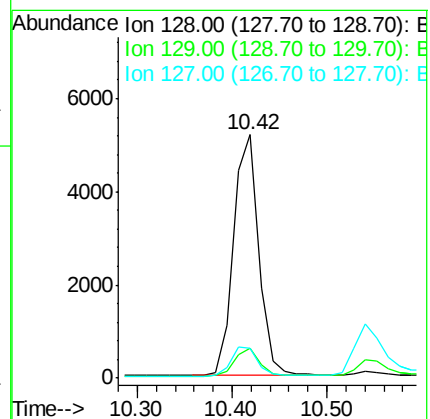
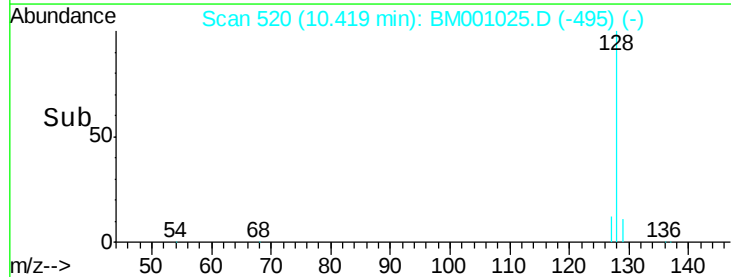
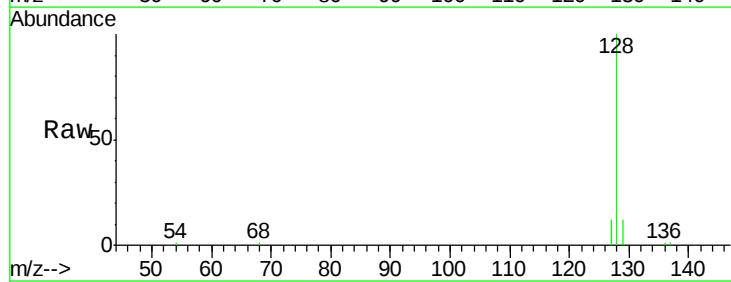
Tgt Ion: 128 Resp: 9573

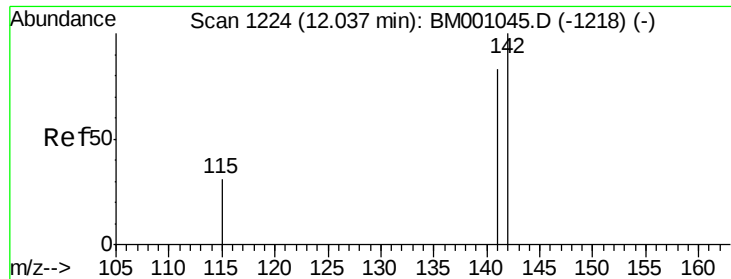
Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

127 12.4 10.0 15.0





#7

2-Methylnaphthalene

Concen: 8.49 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

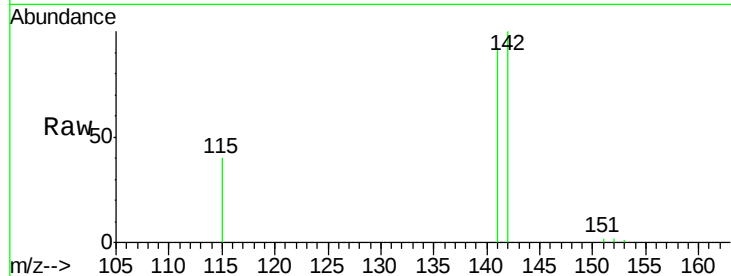
Tgt Ion:142 Resp: 6211

Ion Ratio Lower Upper

142 100

141 92.3 66.7 100.1

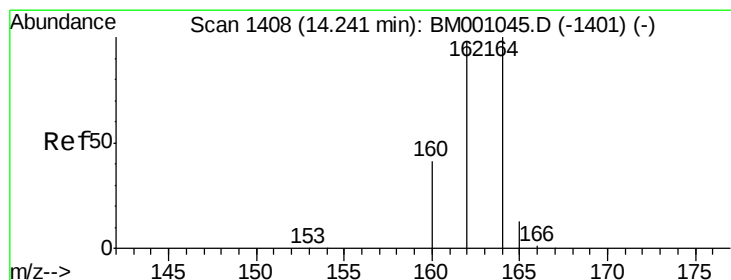
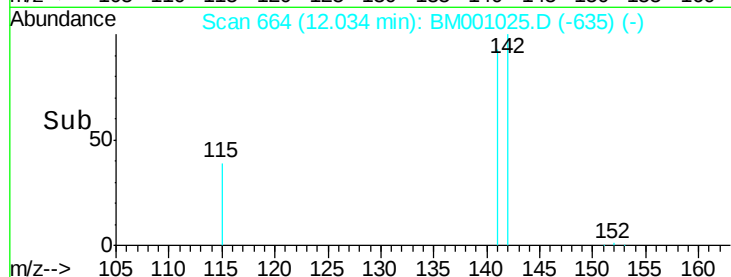
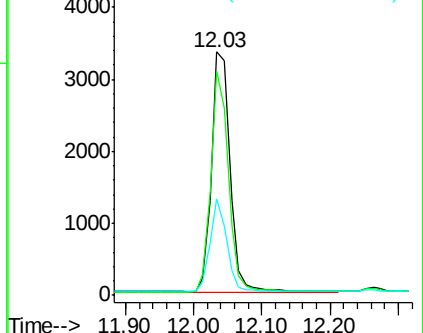
115 39.5 25.5 38.3#



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# 875

Delta R.T. -0.00 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

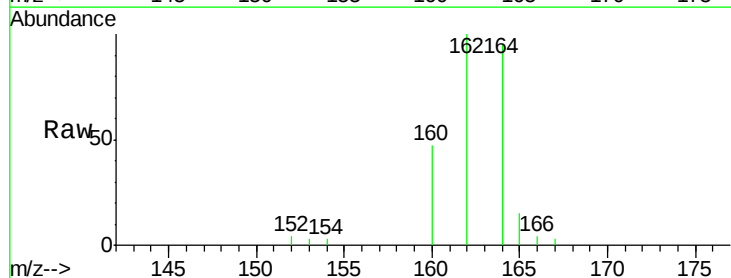
Tgt Ion:164 Resp: 2690

Ion Ratio Lower Upper

164 100

162 104.7 78.5 117.7

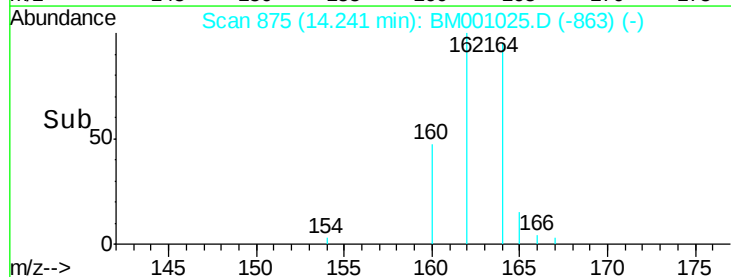
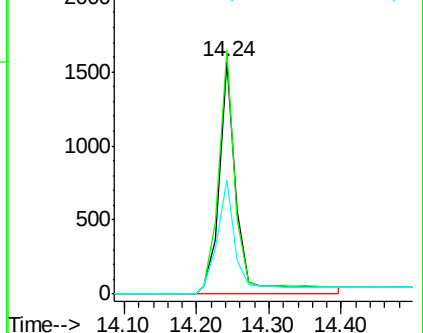
160 49.1 32.9 49.3

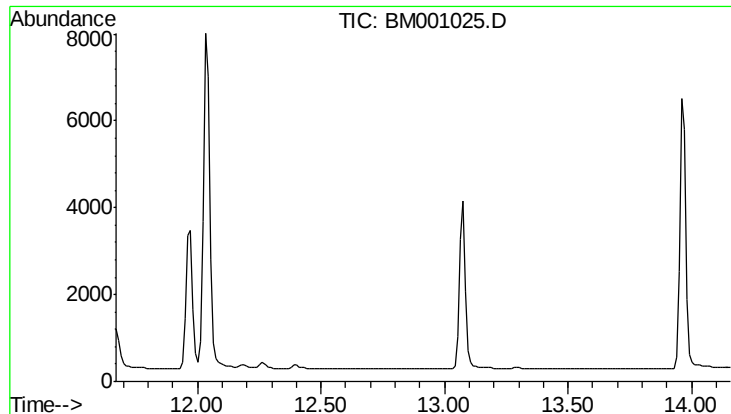


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

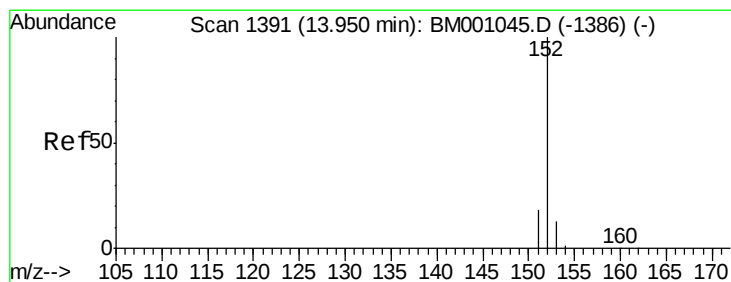
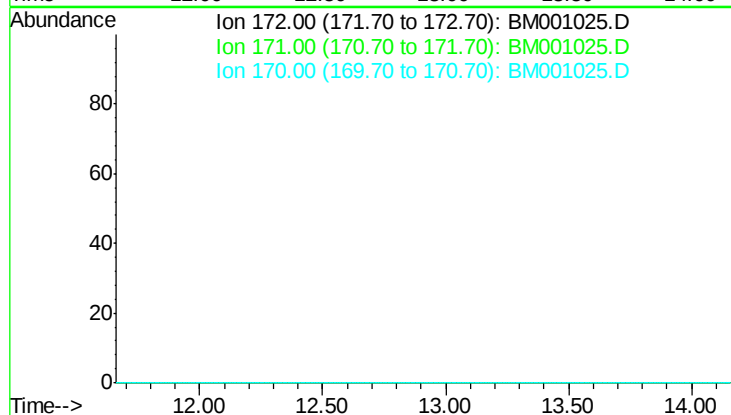




#9
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 12.86 min
 Lab File: BM001025.D
 Acq: 16 Apr 2015 20:08

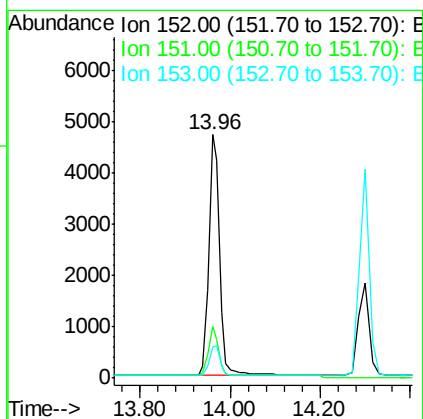
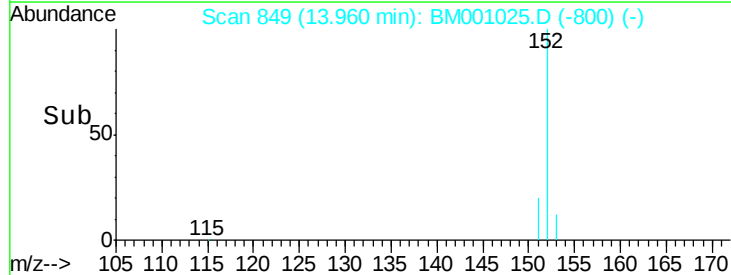
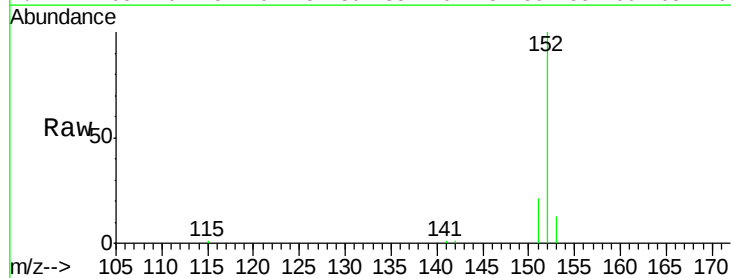
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.830

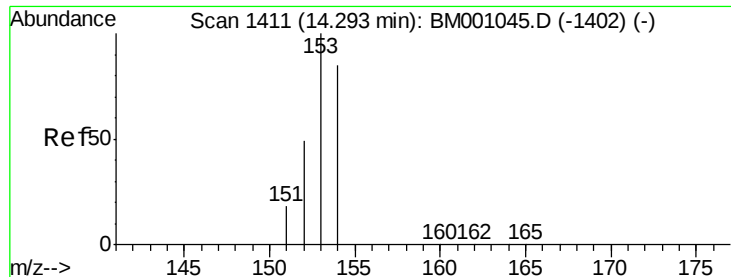
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 32.0
 170 19.7



#10
 Acenaphthylene
 Concen: 5.37 ng
 RT: 13.96 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: BM001025.D
 Acq: 16 Apr 2015 20:08

Tgt Ion: 152 Resp: 8336
 Ion Ratio Lower Upper
 152 100
 151 18.3 14.7 22.1
 153 12.4 10.2 15.2





#11

Acenaphthene

Concen: 6.87 ng

RT: 14.30 min Scan# 879

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

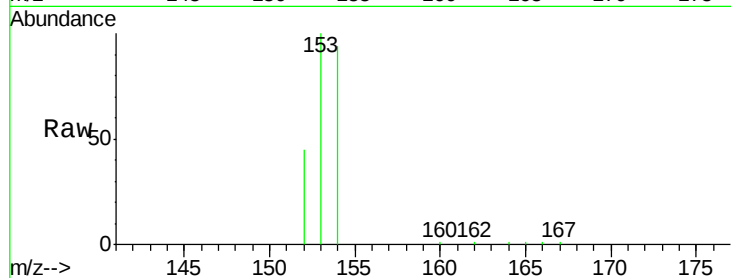
Tgt Ion:154 Resp: 5805

Ion Ratio Lower Upper

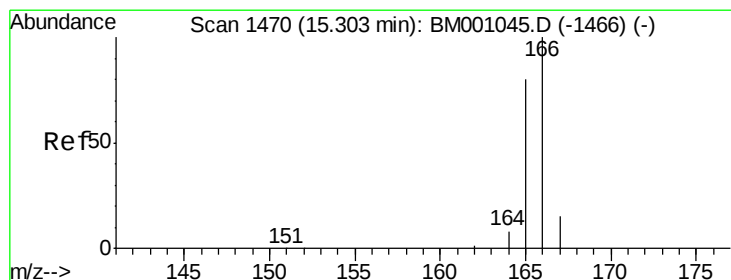
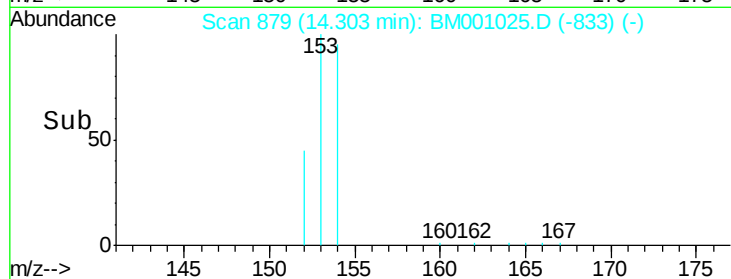
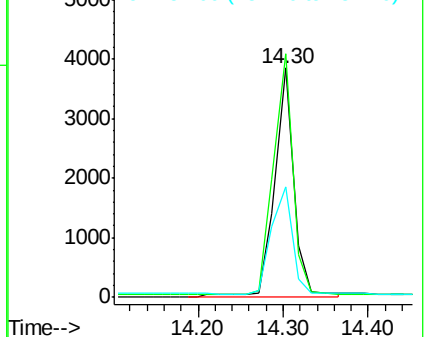
154 100

153 108.7 88.1 132.1

152 54.2 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: 7.31 ng

RT: 15.29 min Scan# 943

Delta R.T. -0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

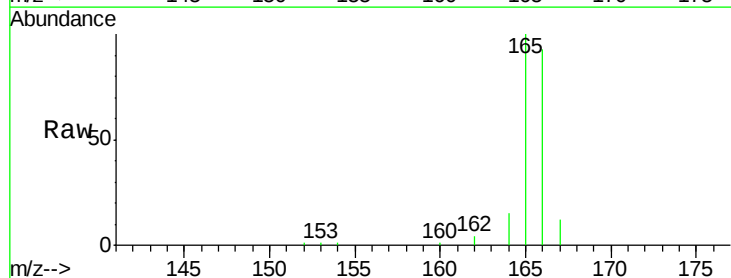
Tgt Ion:166 Resp: 7179

Ion Ratio Lower Upper

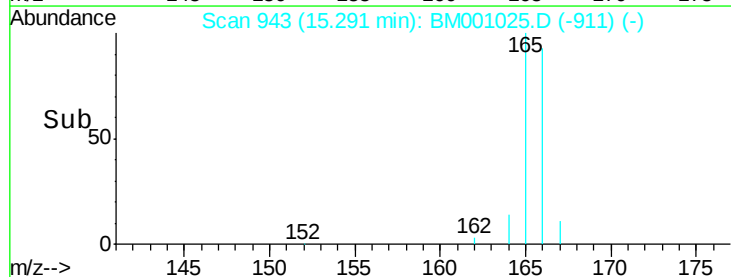
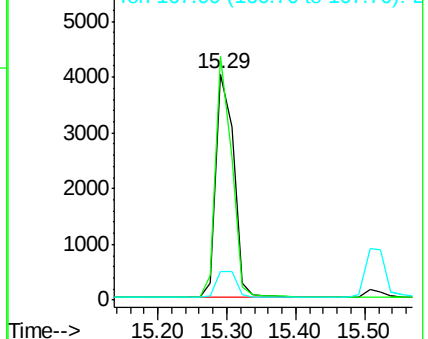
166 100

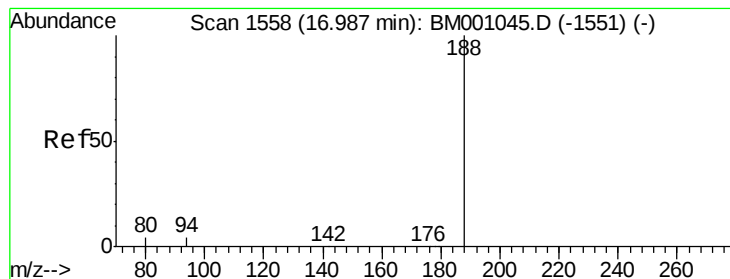
165 97.7 77.6 116.4

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: 16.99 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

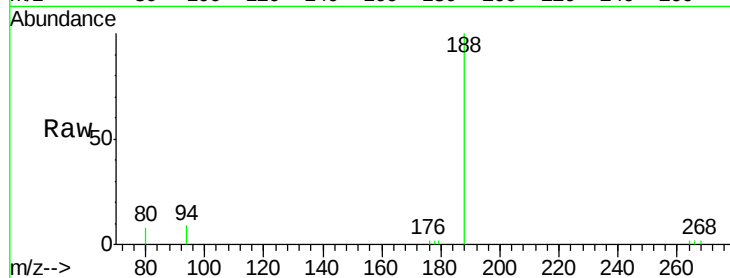
Tgt Ion:188 Resp: 4843

Ion Ratio Lower Upper

188 100

94 8.6 3.6 5.4#

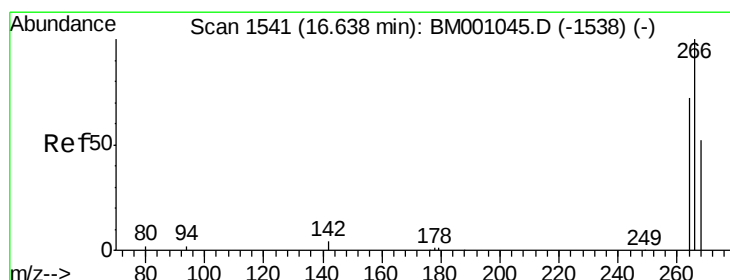
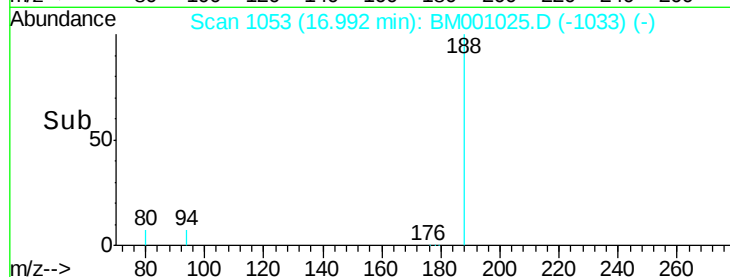
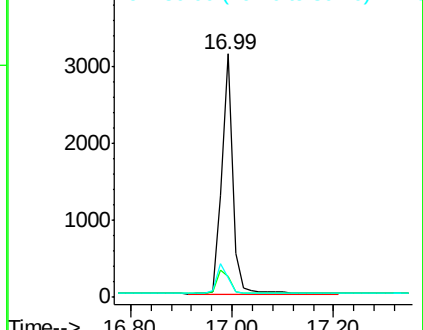
80 8.2 3.0 4.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#15

Pentachlorophenol

Concen: 3.60 ng

RT: 16.65 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

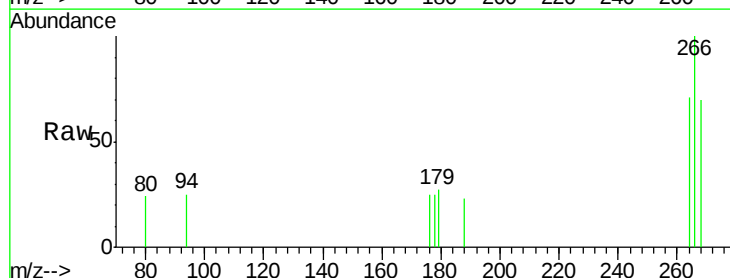
Tgt Ion:266 Resp: 336

Ion Ratio Lower Upper

266 100

268 70.2 46.3 69.5#

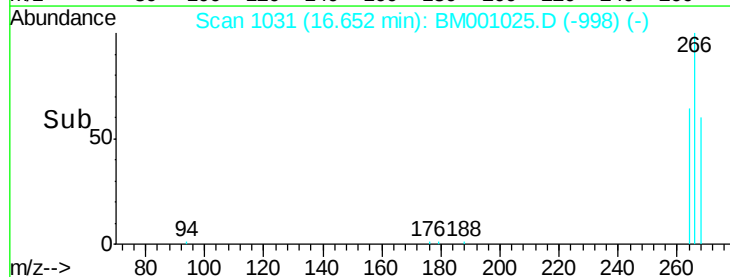
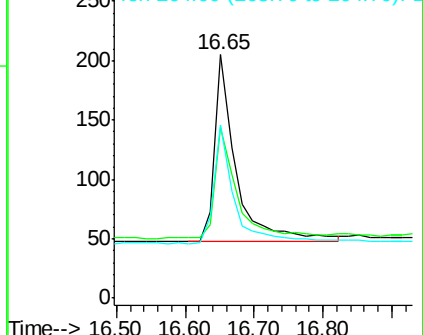
264 71.2 59.8 89.6

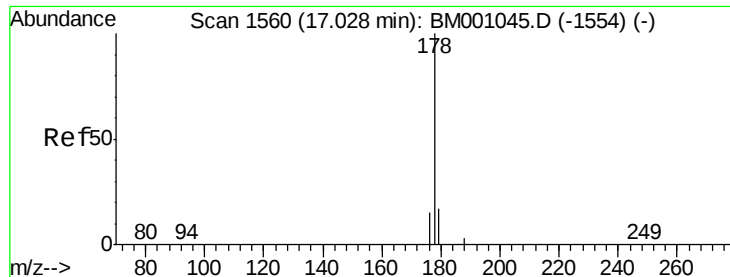


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: Below Cal

RT: 17.02 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

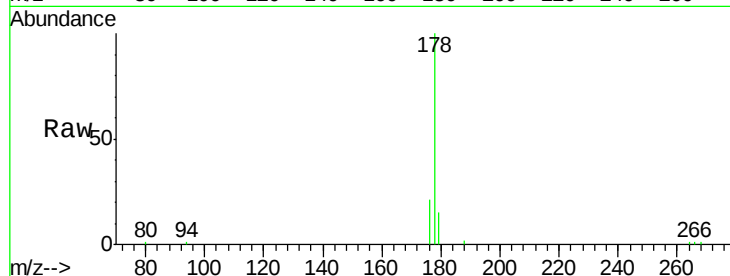
Tgt Ion:178 Resp: 11144

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

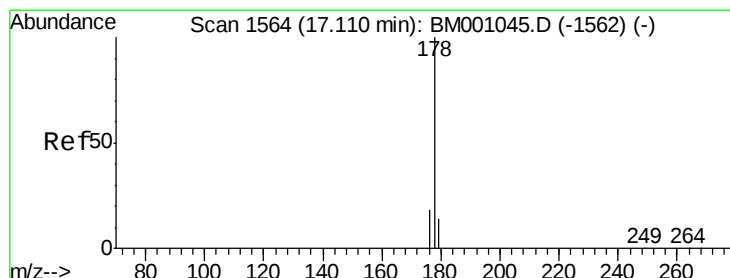
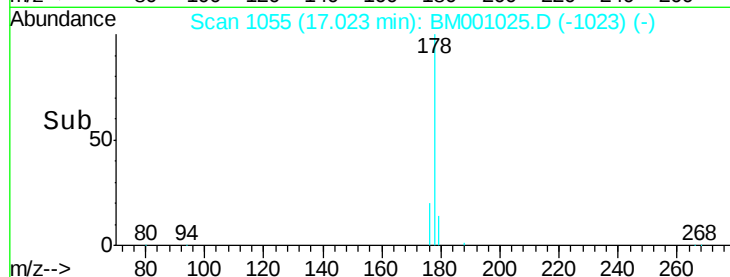
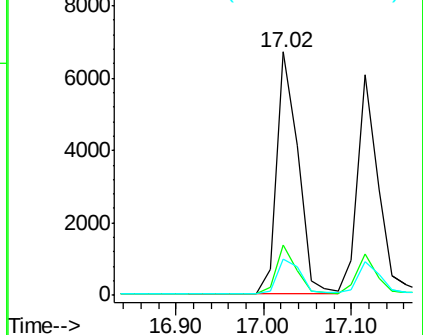
179 15.5 12.6 19.0



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: 9.09 ng

RT: 17.12 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

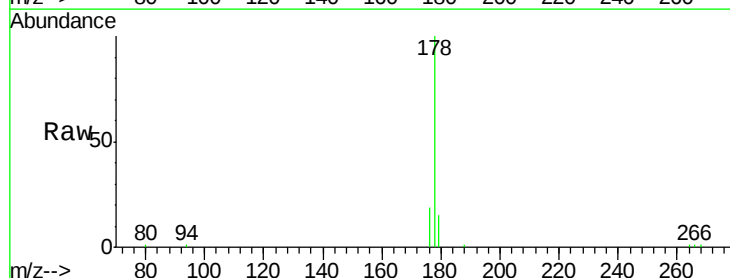
Tgt Ion:178 Resp: 10274

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

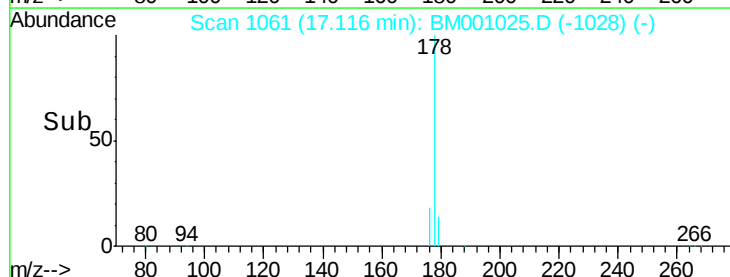
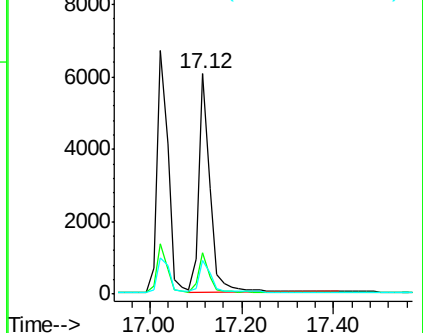
179 15.6 11.8 17.8

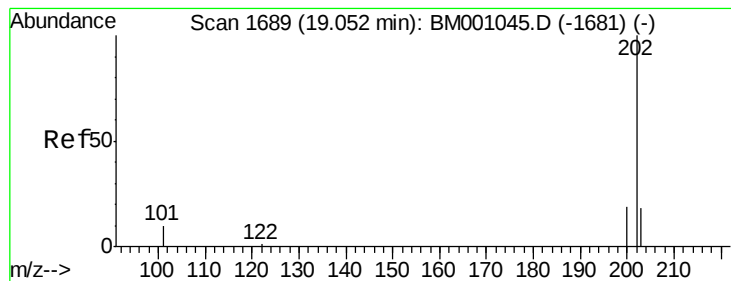


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 9.74 ng

RT: 19.05 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

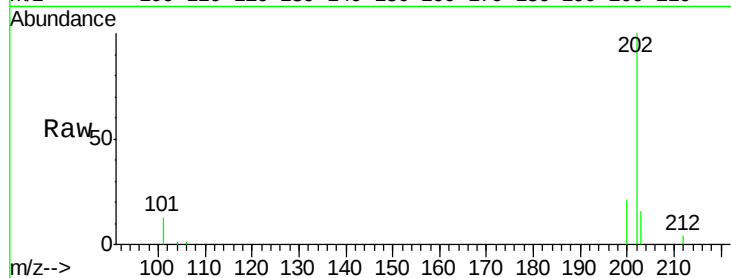
Tgt Ion:202 Resp: 12461

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

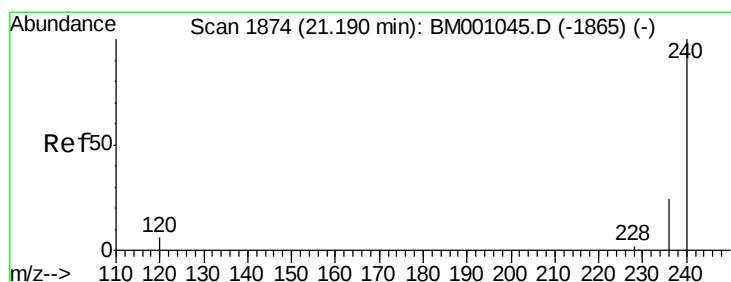
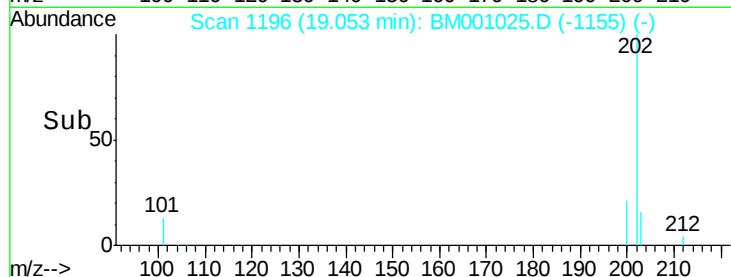
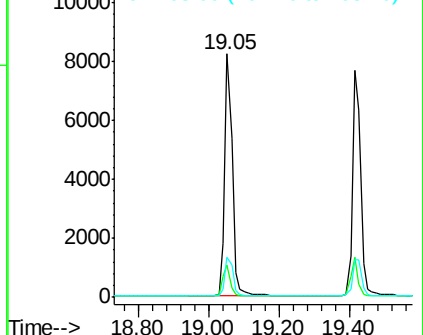
203 17.4 13.8 20.8



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# 1388

Delta R.T. -0.00 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

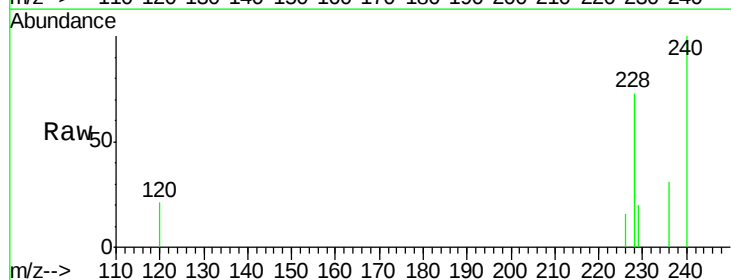
Tgt Ion:240 Resp: 4185

Ion Ratio Lower Upper

240 100

120 21.0 4.6 6.8#

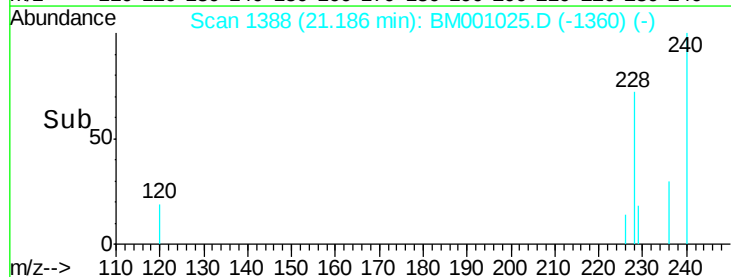
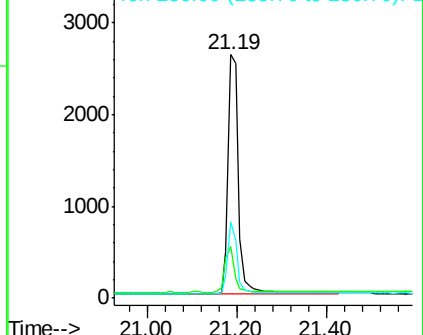
236 31.3 19.1 28.7#

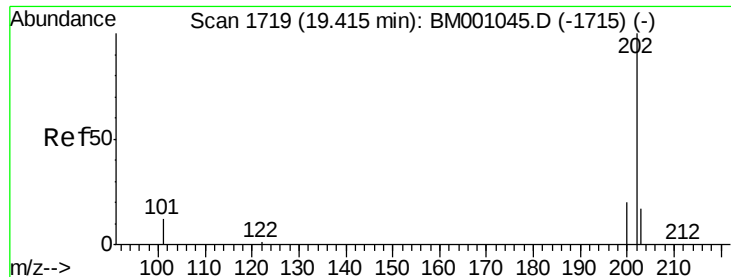


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

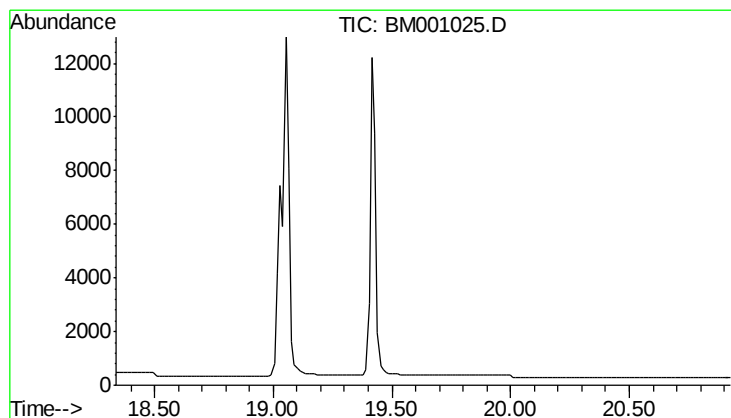
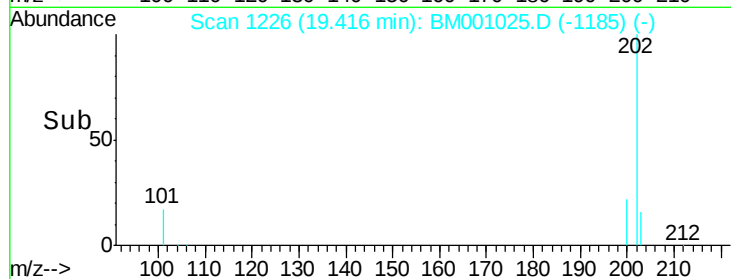
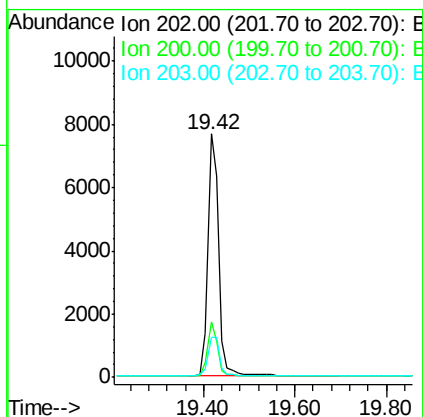
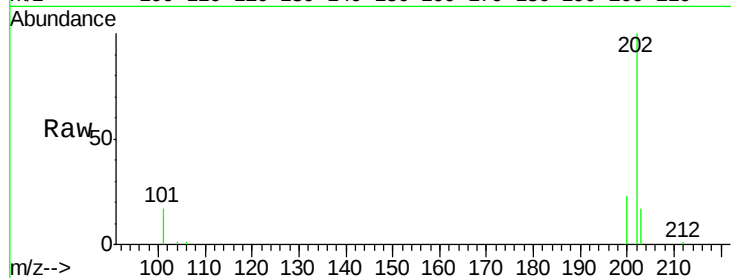




#20
Pyrene
Concen: Below Cal
RT: 19.42 min Scan# 1226
Delta R.T. 0.00 min
Lab File: BM001025.D
Acq: 16 Apr 2015 20:08

Instrument :
BNA_M
ClientSampleId :
SSTD0.830

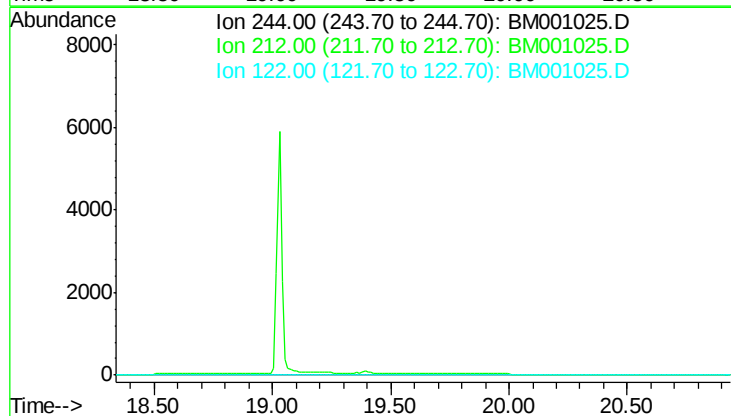
Tgt Ion: 202 Resp: 12523
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 18.0 13.8 20.6

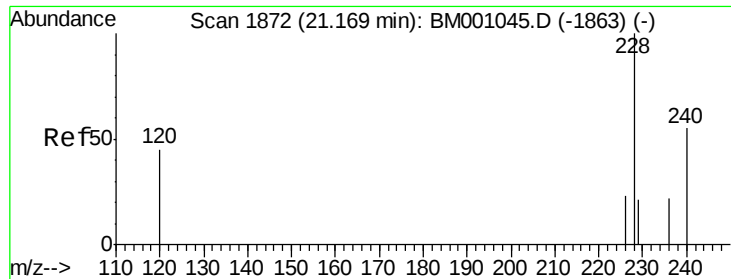


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001025.D
Acq: 16 Apr 2015 20:08

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





#22

Benzo(a)anthracene

Concen: Below Cal

RT: 21.18 min Scan# 1387

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.830

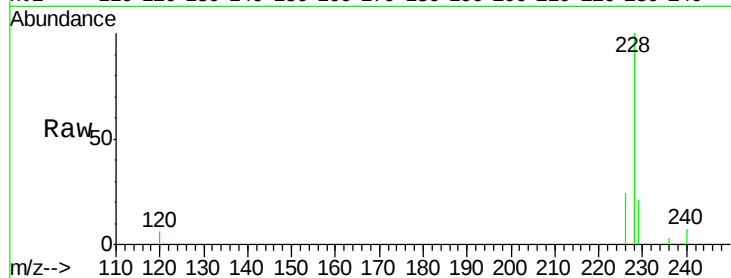
Tgt Ion:228 Resp: 10148

Ion Ratio Lower Upper

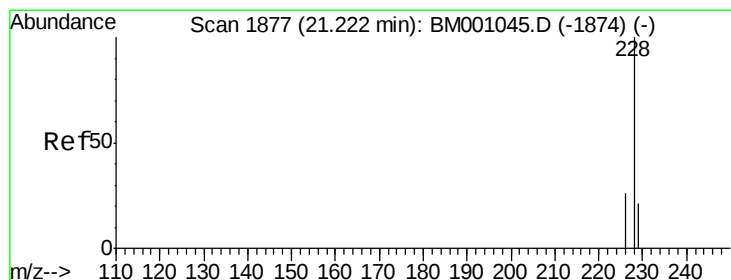
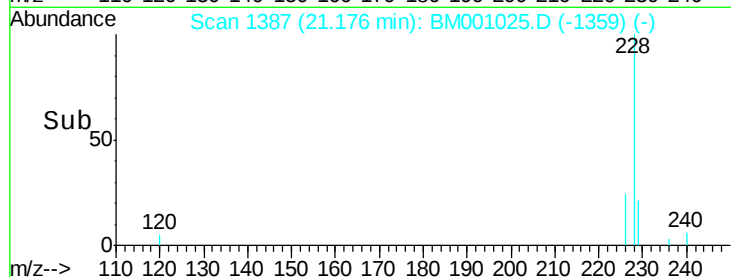
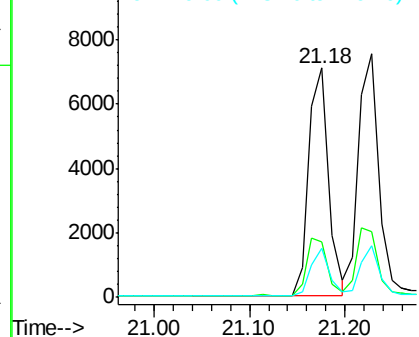
228 100

226 24.0 19.0 28.6

229 21.3 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: 21.23 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BM001025.D

Acq: 16 Apr 2015 20:08

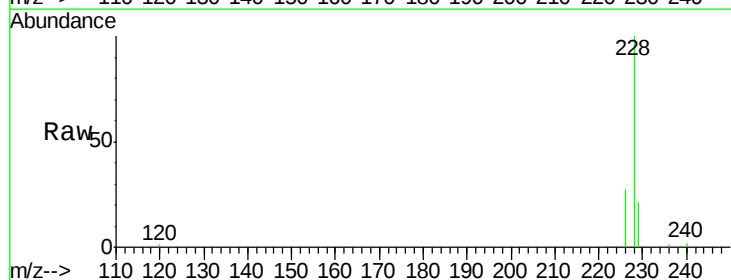
Tgt Ion:228 Resp: 11776

Ion Ratio Lower Upper

228 100

226 27.0 20.6 31.0

229 21.3 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

