

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001039.D
 Acq On : 17 Apr 2015 19:45
 Operator : TP/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.439

Quant Time: Apr 20 08:51:34 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	1392	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	5165	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2661	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5702	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4830	5.00	ng	0.00
25) Perylene-d12	23.36	264	4373	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

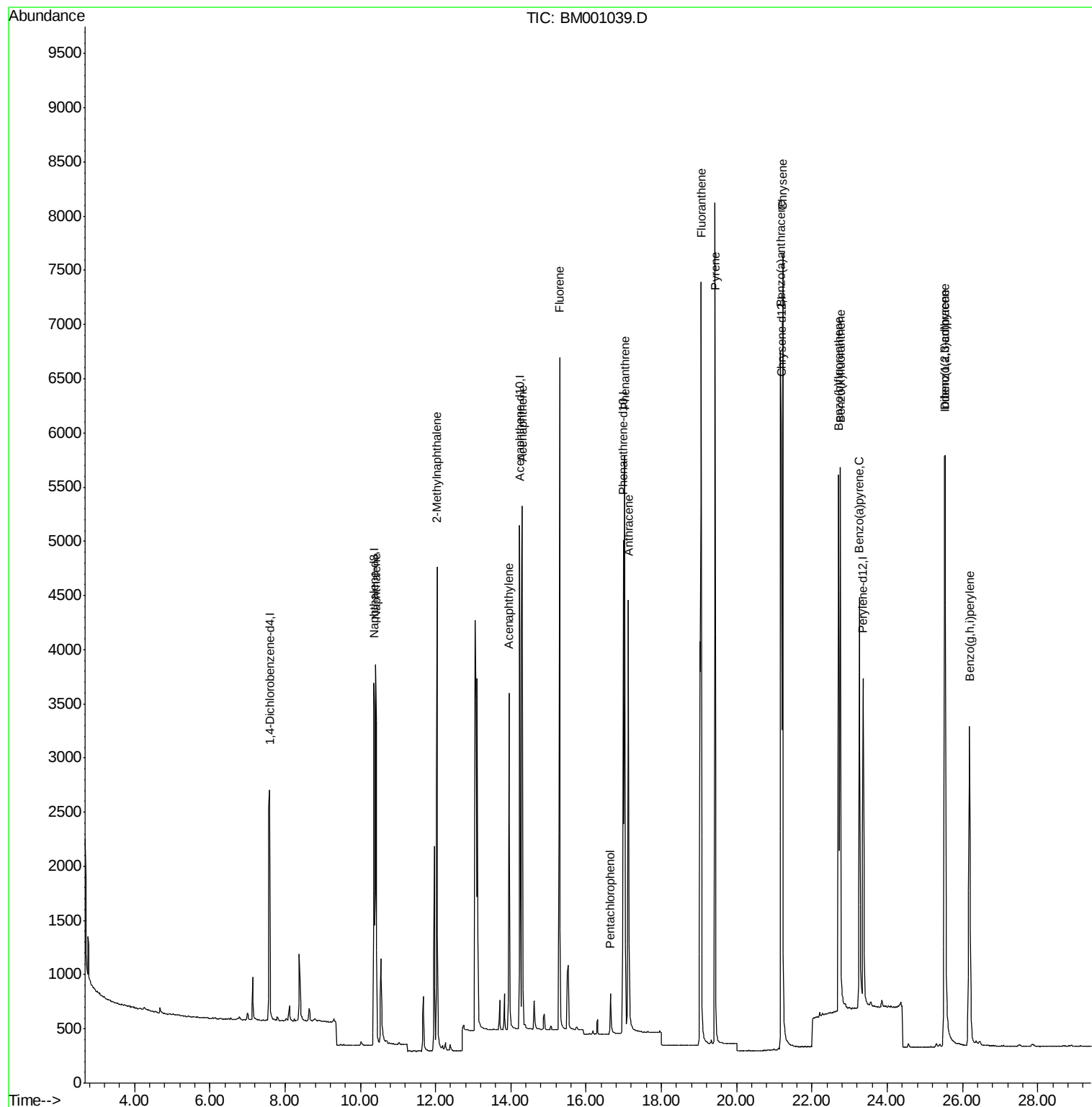
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	5243	4.23	ng	96
7) 2-Methylnaphthalene	12.03	142	3462	4.25	ng	93
10) Acenaphthylene	13.94	152	4517	3.05	ng	99
11) Acenaphthene	14.30	154	3280	3.93	ng	99
12) Fluorene	15.30	166	4206	4.33	ng	100
15) Pentachlorophenol	16.64	266	374	3.39	ng	95
16) Phenanthrene	17.03	178	6465	4.20	ng	99
17) Anthracene	17.12	178	6037	4.54	ng	100
18) Fluoranthene	19.06	202	7126	4.73	ng	100
20) Pyrene	19.42	202	7298	4.46	ng	99
22) Benzo(a)anthracene	21.17	228	5788	3.82	ng	94
23) Chrysene	21.22	228	6721	4.81	ng	94
24) Indeno(1,2,3-cd)pyrene	25.53	276	6679	4.28	ng	100
26) Benzo(b)fluoranthene	22.71	252	6548	4.47	ng	96
27) Benzo(k)fluoranthene	22.75	252	6168	4.43	ng	95
28) Benzo(a)pyrene	23.27	252	5859	4.56	ng	94
29) Dibenzo(a,h)anthracene	25.54	278	5416	4.29	ng	96
30) Benzo(g,h,i)perylene	26.18	276	5930	4.60	ng	98

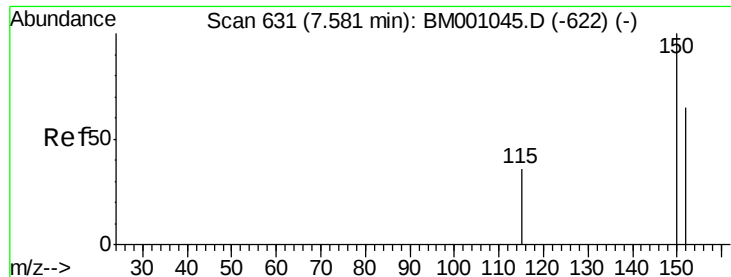
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampled :

SSTD0.439

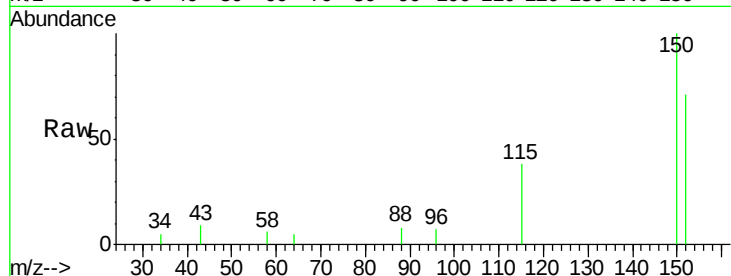
Tgt Ion:152 Resp: 1392

Ion Ratio Lower Upper

152 100

150 140.3 123.3 184.9

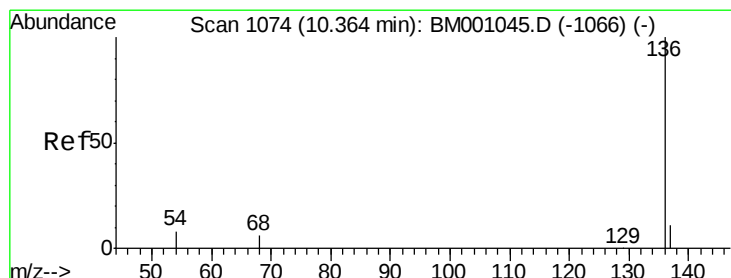
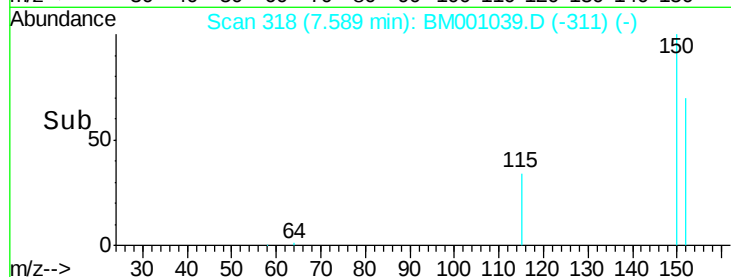
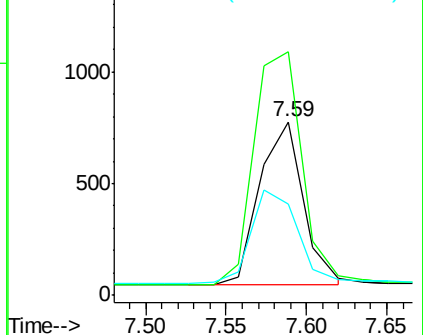
115 52.7 45.0 67.6



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. -0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

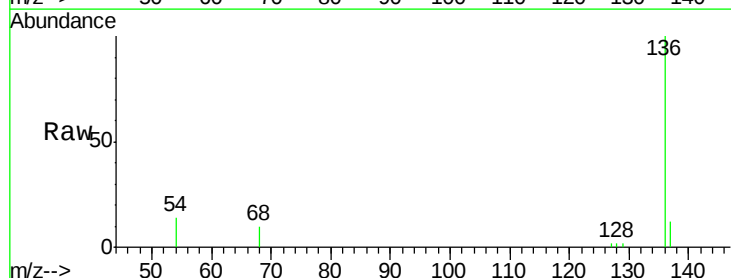
Tgt Ion:136 Resp: 5165

Ion Ratio Lower Upper

136 100

137 11.7 8.6 13.0

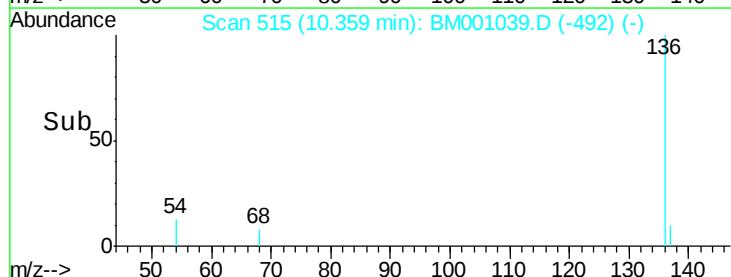
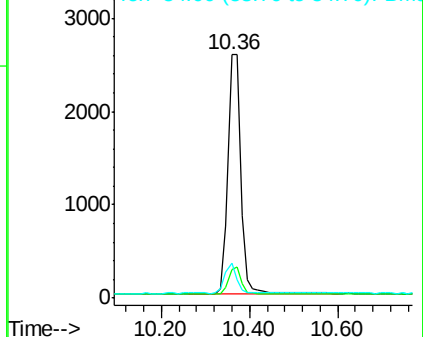
54 14.4 6.5 9.7#

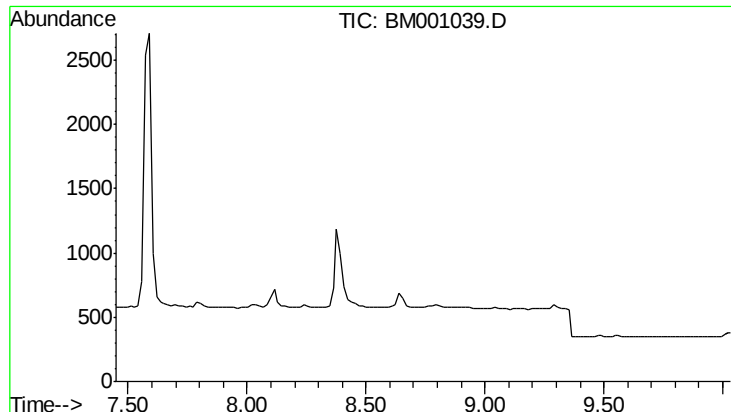


Abundance Ion 136.00 (135.70 to 136.70): E

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: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

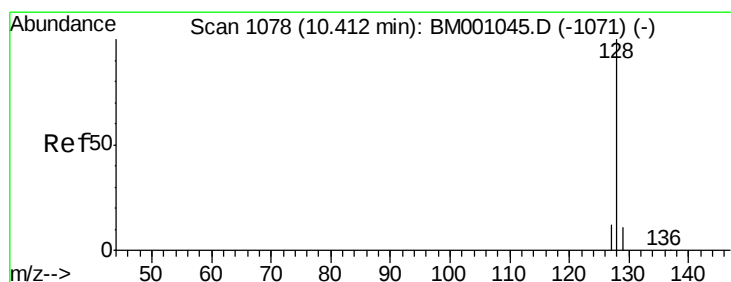
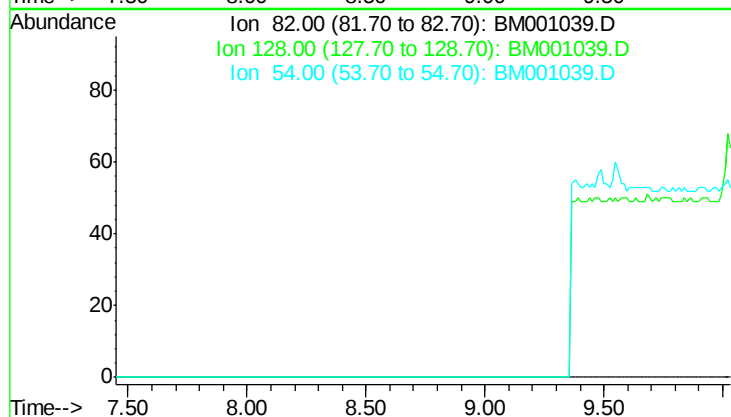
Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.9

54 64.1



#6

Naphthalene

Concen: 4.23 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

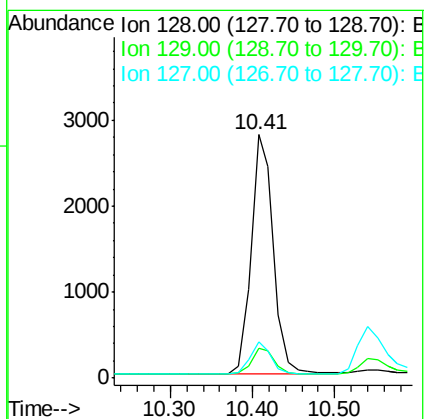
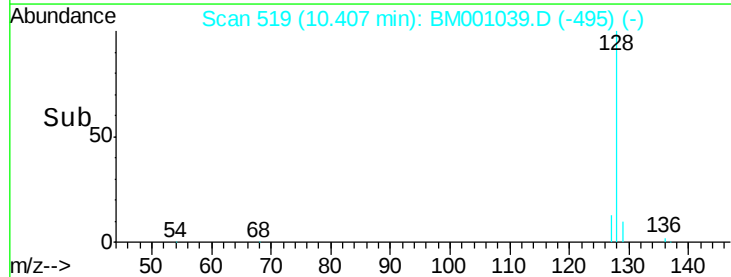
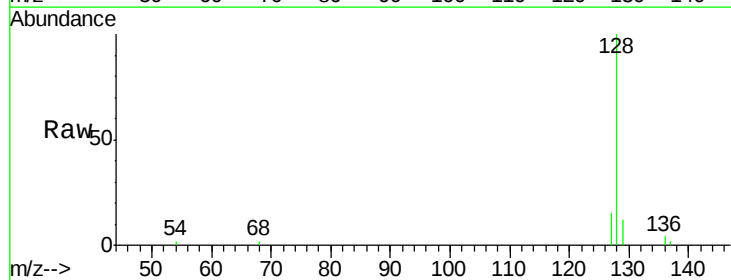
Tgt Ion: 128 Resp: 5243

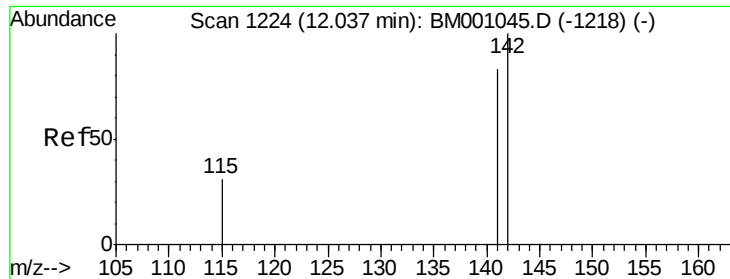
Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

127 14.9 10.0 15.0





#7

2-Methylnaphthalene

Concen: 4.25 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

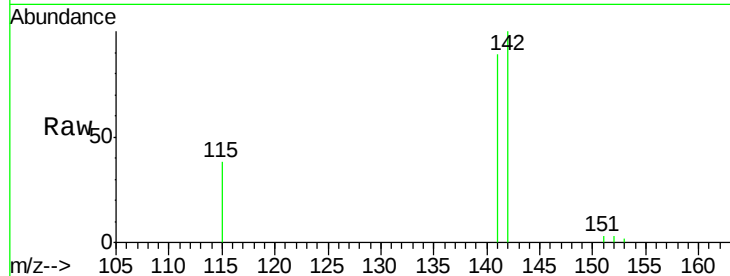
Tgt Ion:142 Resp: 3462

Ion Ratio Lower Upper

142 100

141 88.9 66.7 100.1

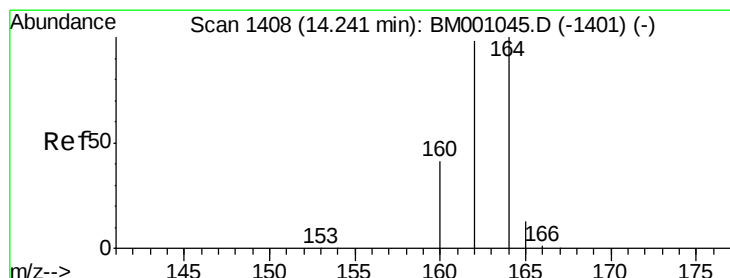
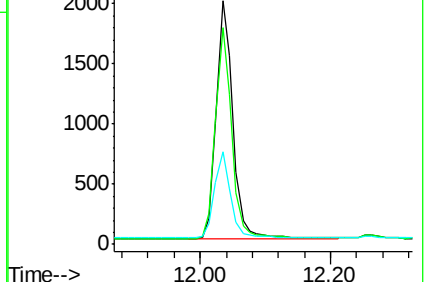
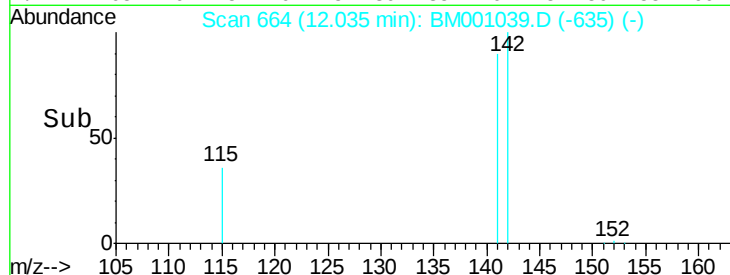
115 37.9 25.5 38.3



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: BM001039.D

Acq: 17 Apr 2015 19:45

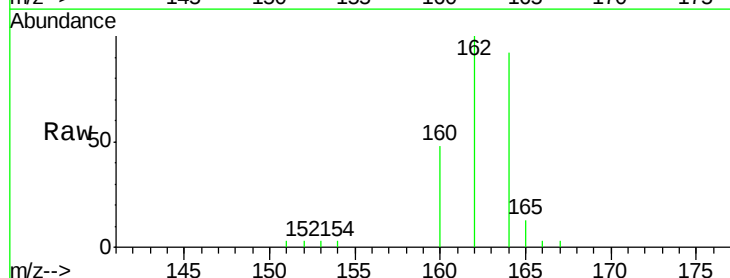
Tgt Ion:164 Resp: 2661

Ion Ratio Lower Upper

164 100

162 108.1 78.5 117.7

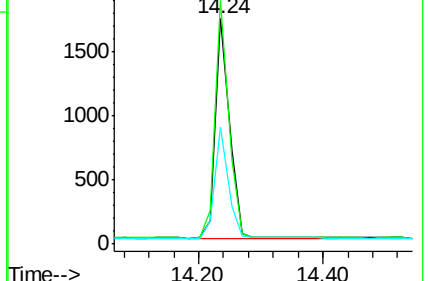
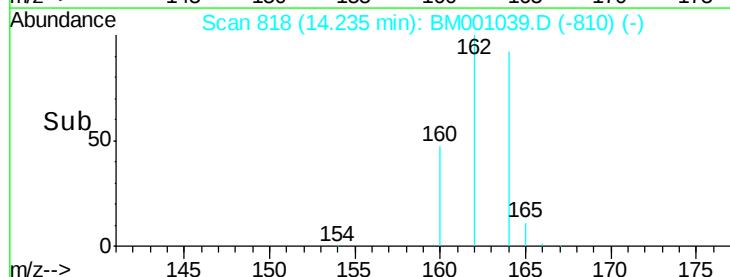
160 51.8 32.9 49.3#

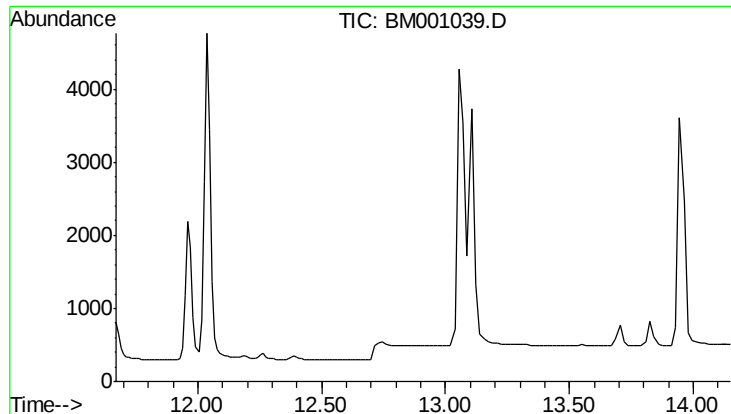


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

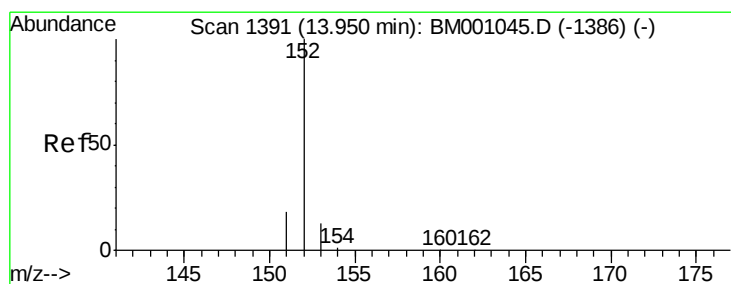
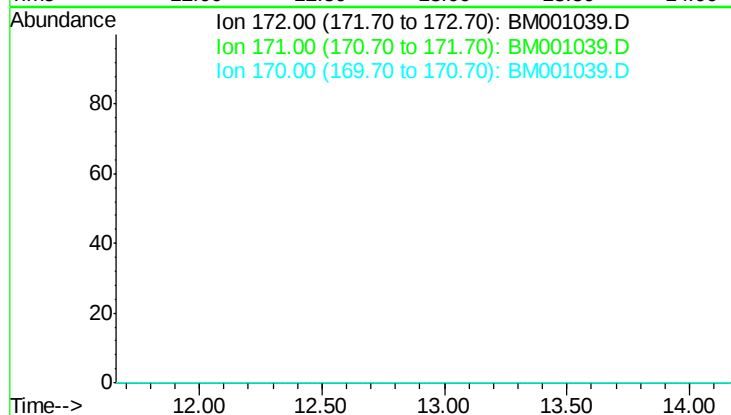




#9
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 12.86 min
 Lab File: BM001039.D
 Acq: 17 Apr 2015 19:45

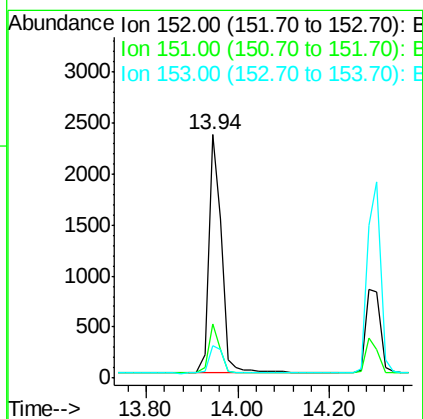
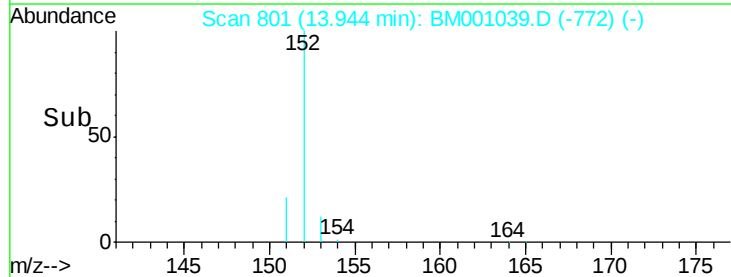
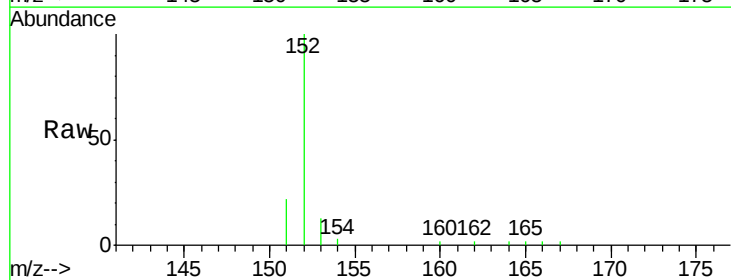
Instrument :
 BNA_M
 ClientSampleId :
 SST0.439

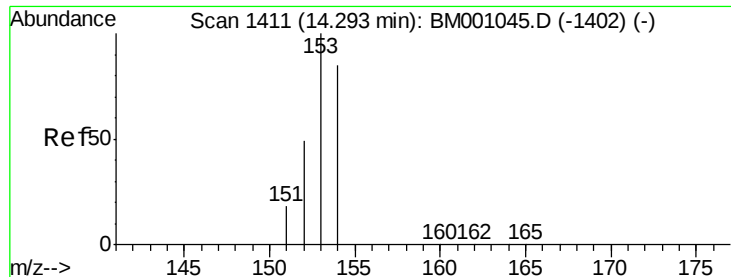
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 32.0
 170 19.7



#10
 Acenaphthylene
 Concen: 3.05 ng
 RT: 13.94 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BM001039.D
 Acq: 17 Apr 2015 19:45

Tgt Ion: 152 Resp: 4517
 Ion Ratio Lower Upper
 152 100
 151 18.9 14.7 22.1
 153 13.3 10.2 15.2





#11

Acenaphthene

Concen: 3.93 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

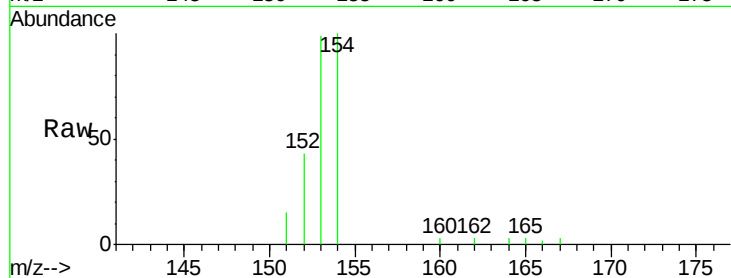
Tgt Ion:154 Resp: 3280

Ion Ratio Lower Upper

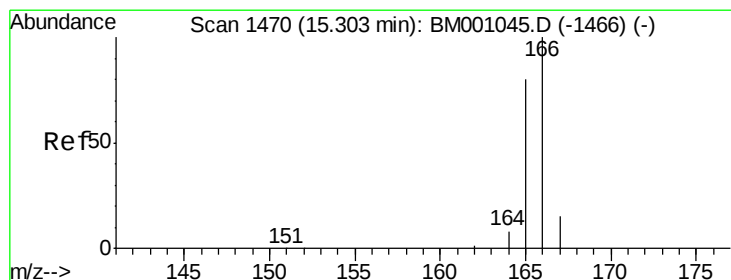
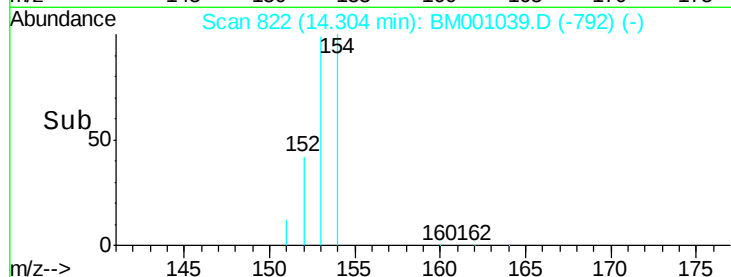
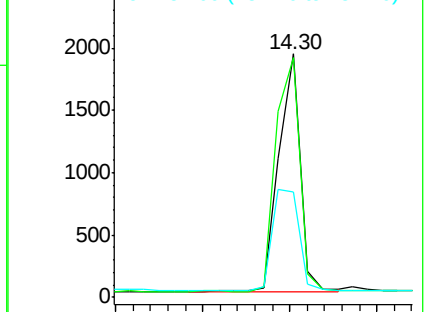
154 100

153 110.9 88.1 132.1

152 54.0 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: 4.33 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

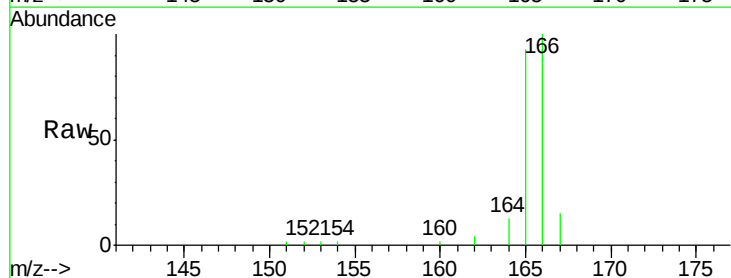
Tgt Ion:166 Resp: 4206

Ion Ratio Lower Upper

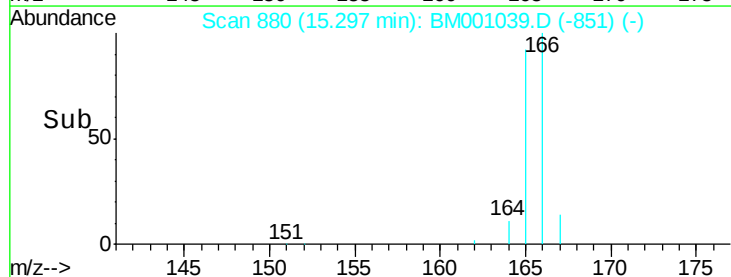
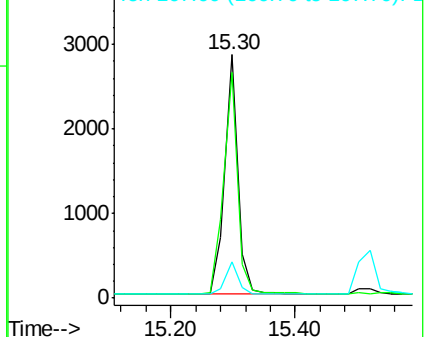
166 100

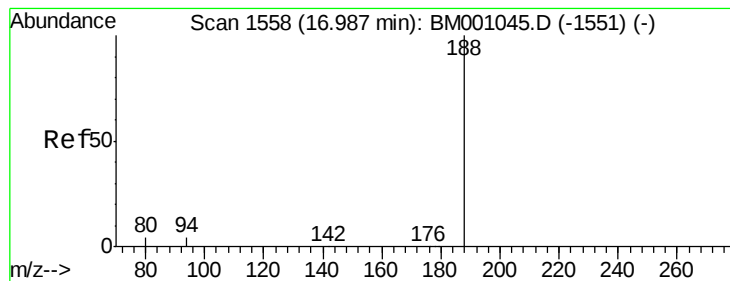
165 96.5 77.6 116.4

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: 16.98 min Scan# 985

Delta R.T. -0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

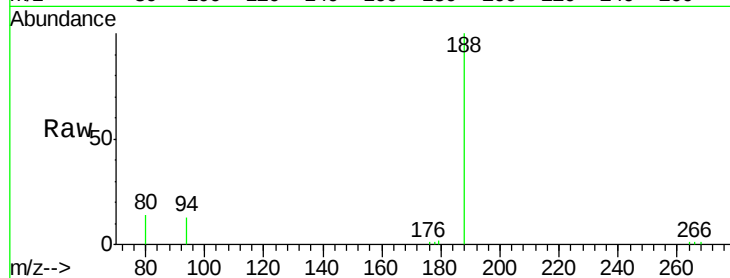
Tgt Ion:188 Resp: 5702

Ion Ratio Lower Upper

188 100

94 12.9 3.6 5.4#

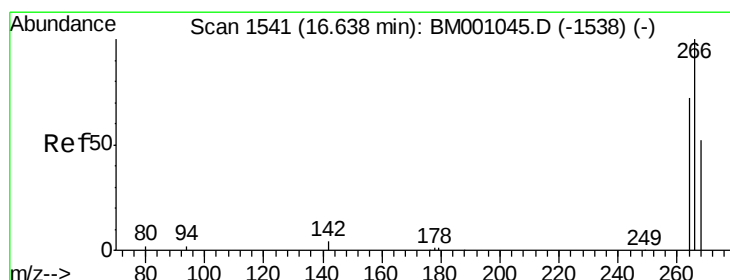
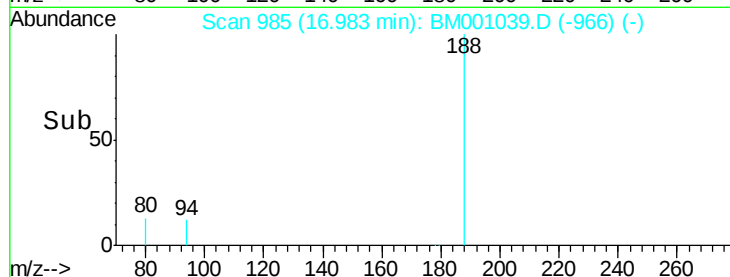
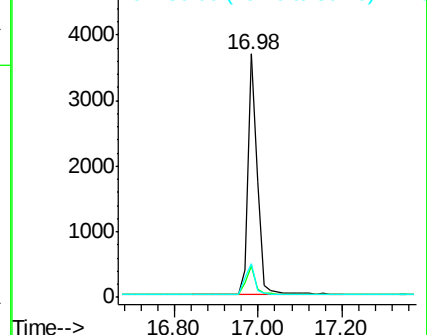
80 13.7 3.0 4.6#



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: 3.39 ng

RT: 16.64 min Scan# 963

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

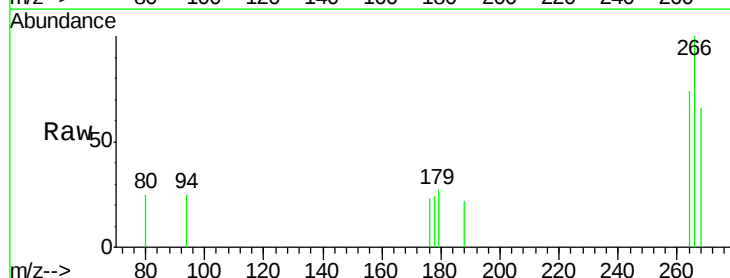
Tgt Ion:266 Resp: 374

Ion Ratio Lower Upper

266 100

268 65.7 46.3 69.5

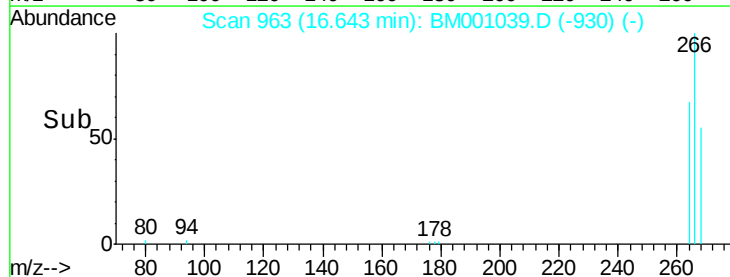
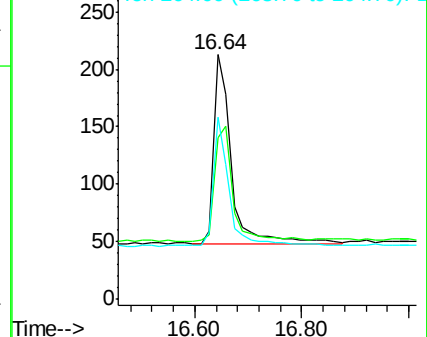
264 74.2 59.8 89.6

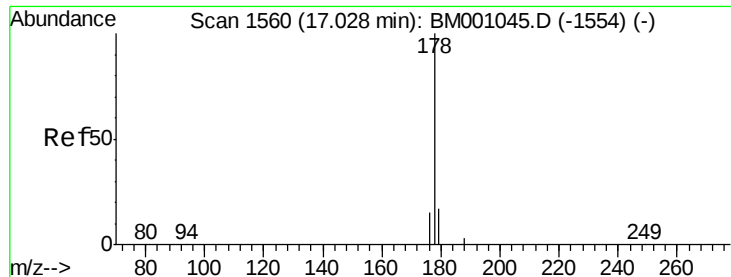


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

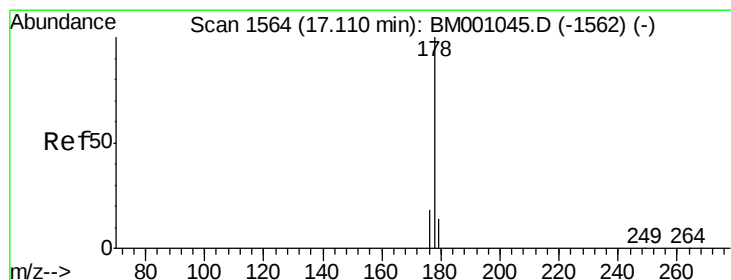
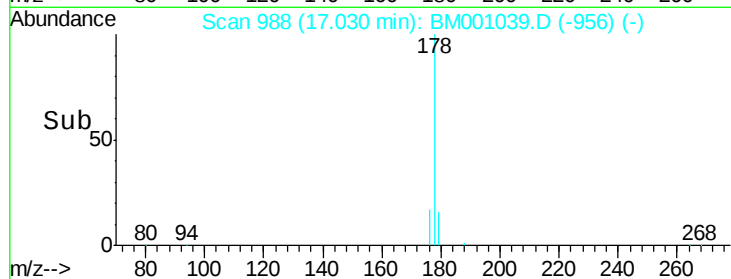
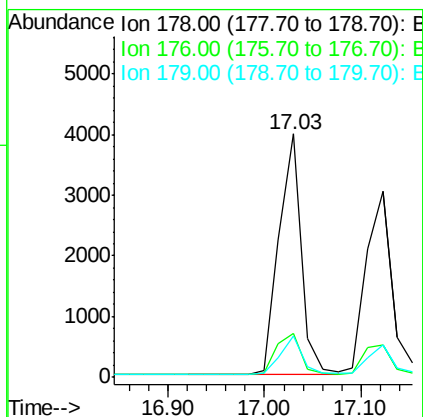
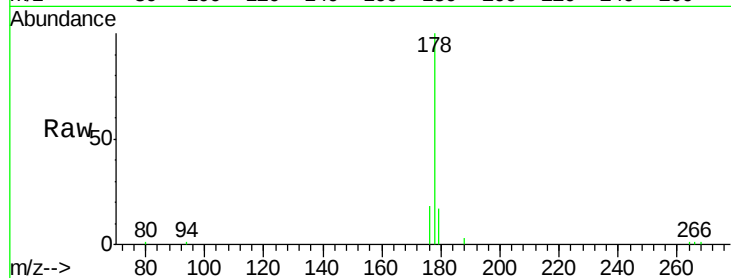




#16
Phenanthrene
Concen: 4.20 ng
RT: 17.03 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM001039.D
Acq: 17 Apr 2015 19:45

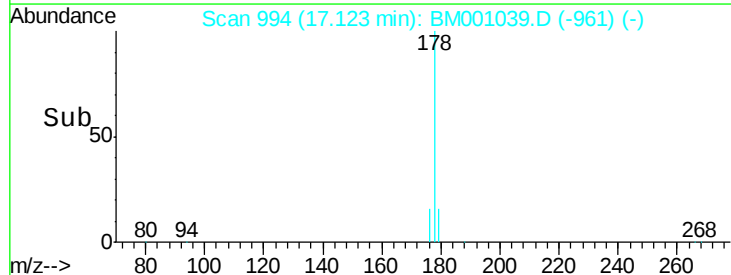
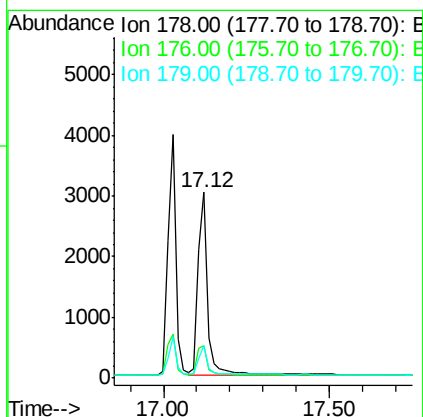
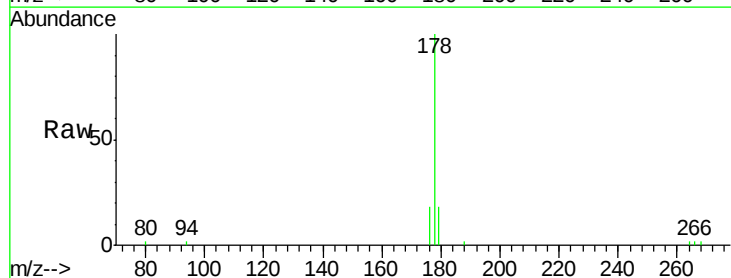
Instrument :
BNA_M
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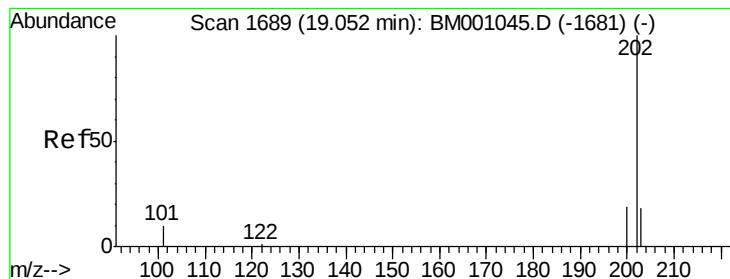
Tgt Ion:178 Resp: 6465
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.3 12.6 19.0



#17
Anthracene
Concen: 4.54 ng
RT: 17.12 min Scan# 994
Delta R.T. 0.01 min
Lab File: BM001039.D
Acq: 17 Apr 2015 19:45

Tgt Ion:178 Resp: 6037
Ion Ratio Lower Upper
178 100
176 18.1 14.3 21.5
179 14.7 11.8 17.8





#18

Fluoranthene

Concen: 4.73 ng

RT: 19.06 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

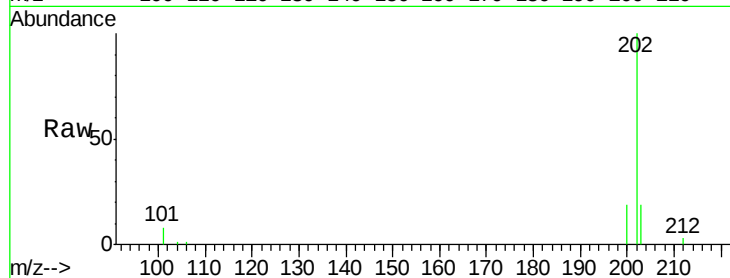
Tgt Ion:202 Resp: 7126

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

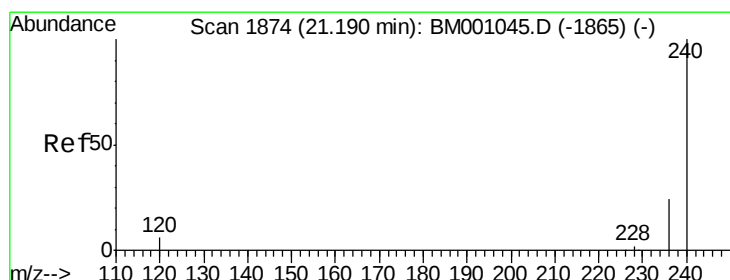
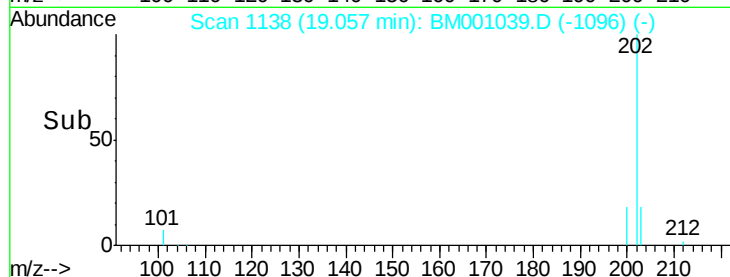
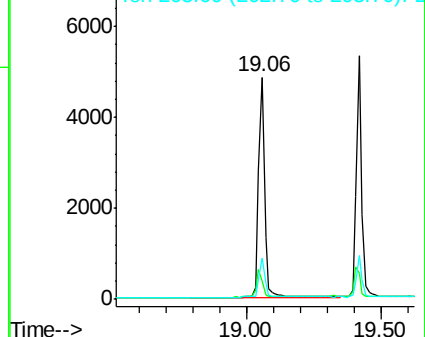
203 17.4 13.8 20.8



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# 1330

Delta R.T. 0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

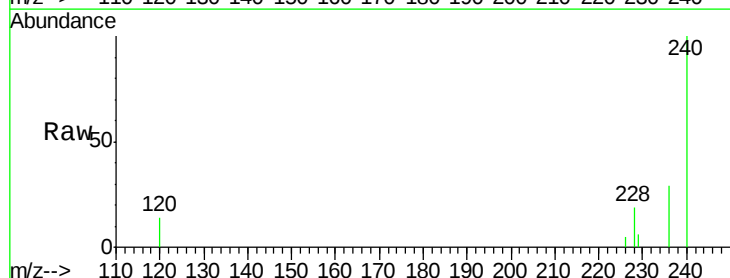
Tgt Ion:240 Resp: 4830

Ion Ratio Lower Upper

240 100

120 13.6 4.6 6.8#

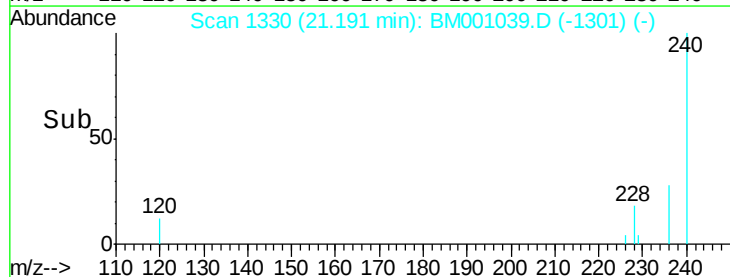
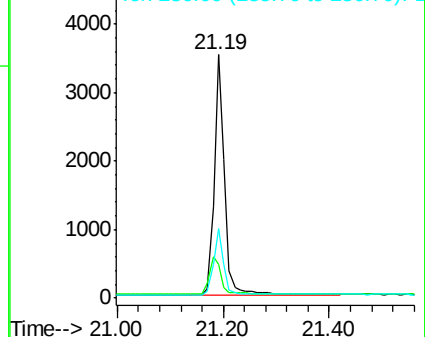
236 28.6 19.1 28.7

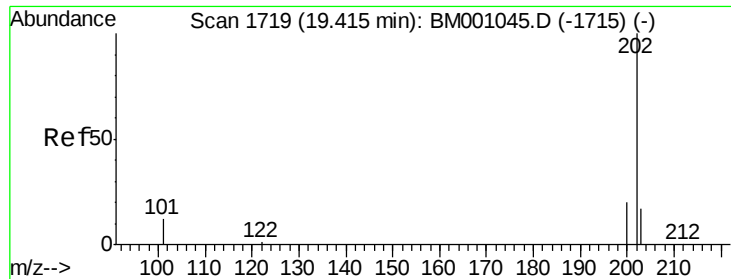


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

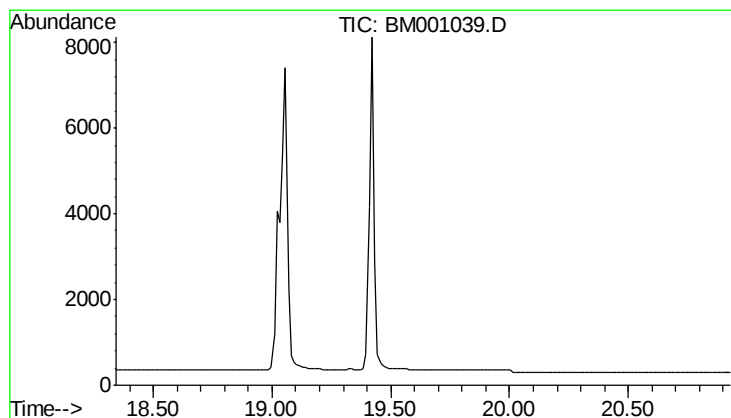
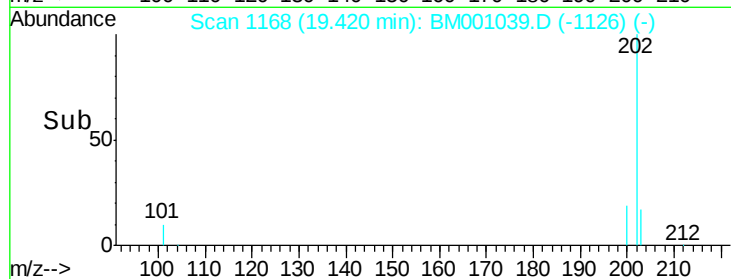
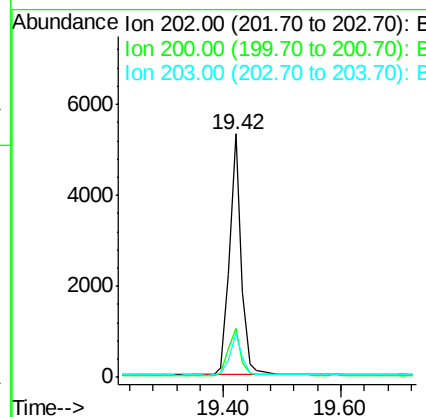
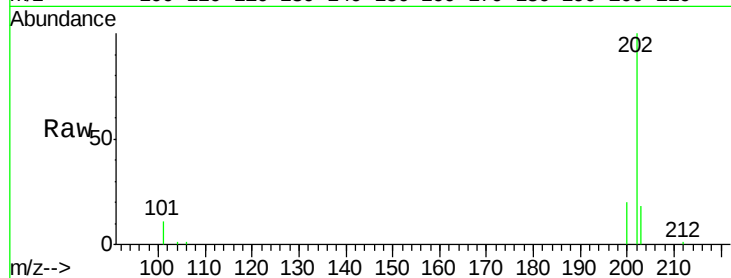




#20
Pyrene
Concen: 4.46 ng
RT: 19.42 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BM001039.D
Acq: 17 Apr 2015 19:45

Instrument :
BNA_M
ClientSampleId :
SSTD0.439

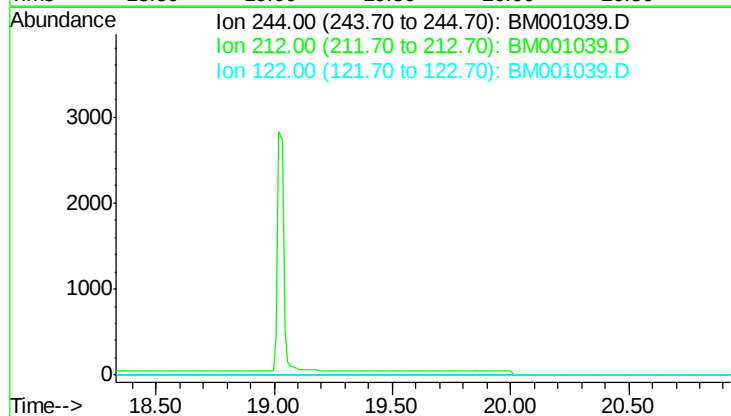
Tgt Ion: 202 Resp: 7298
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.8 13.8 20.6

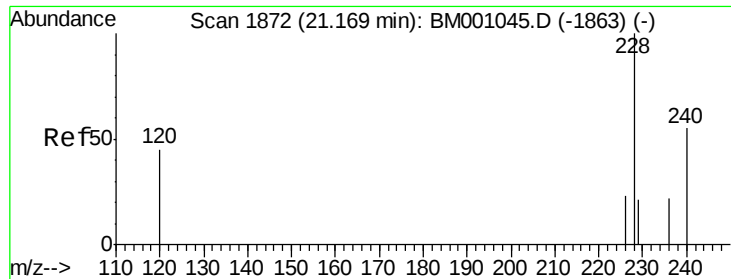


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001039.D
Acq: 17 Apr 2015 19:45

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





#22

Benzo(a)anthracene

Concen: 3.82 ng

RT: 21.17 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

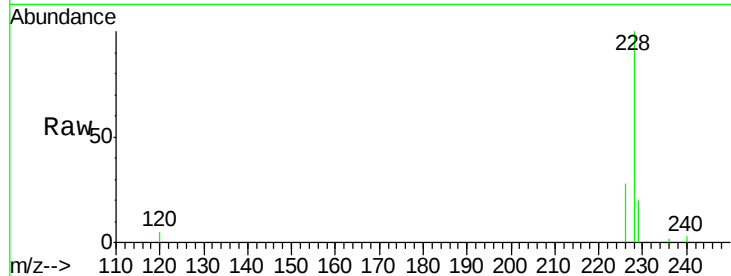
Tgt Ion:228 Resp: 5788

Ion Ratio Lower Upper

228 100

226 28.3 19.0 28.6

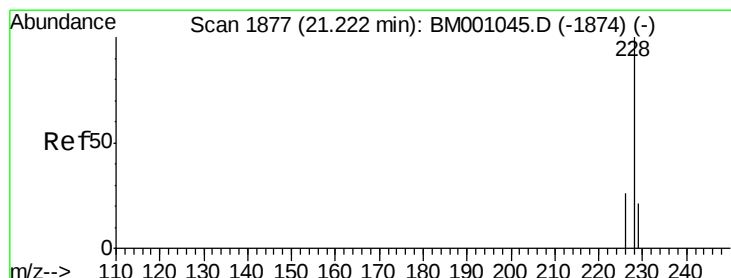
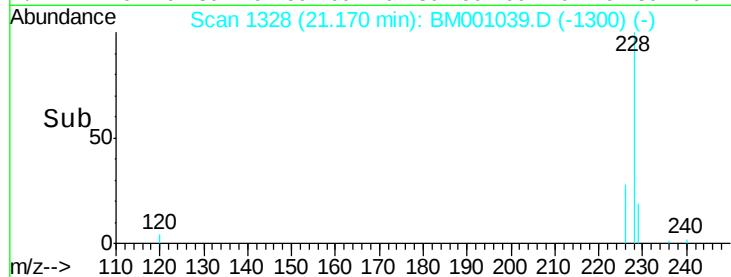
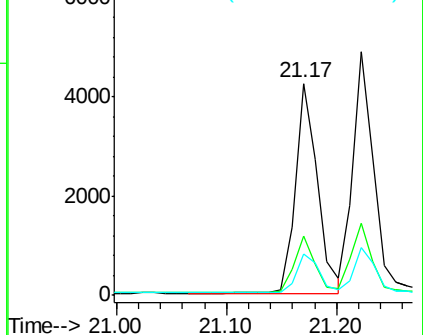
229 19.9 16.8 25.2



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: 4.81 ng

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

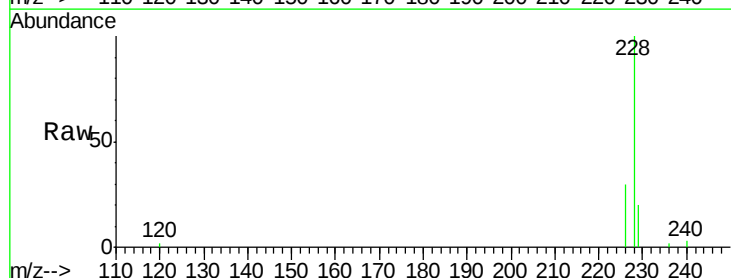
Tgt Ion:228 Resp: 6721

Ion Ratio Lower Upper

228 100

226 29.6 20.6 31.0

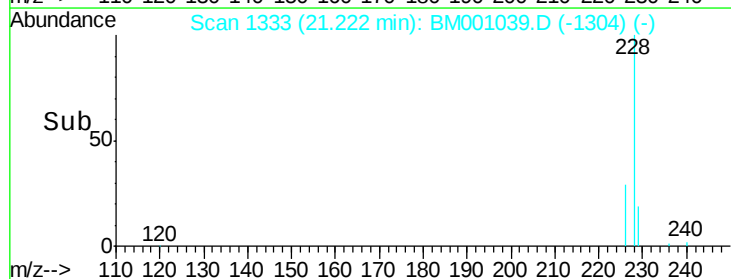
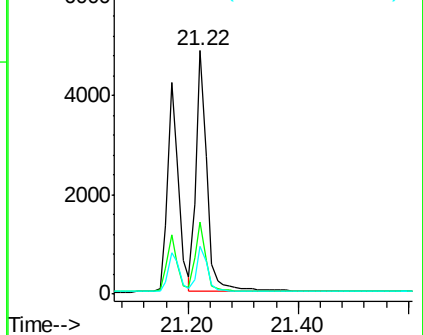
229 19.6 17.2 25.8

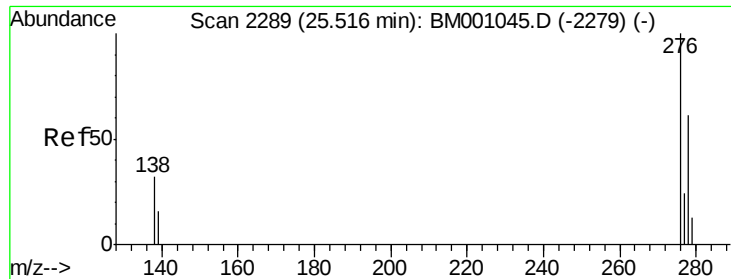


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.28 ng

RT: 25.53 min Scan# 1746

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

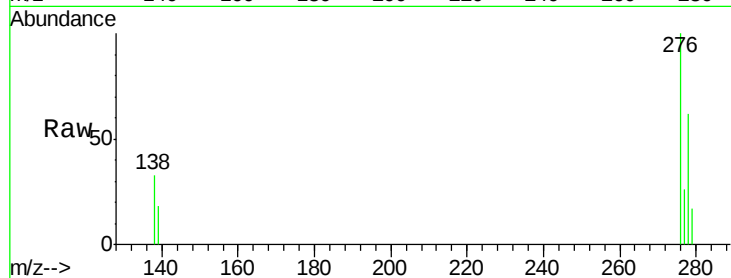
Tgt Ion:276 Resp: 6679

Ion Ratio Lower Upper

276 100

138 32.8 26.3 39.5

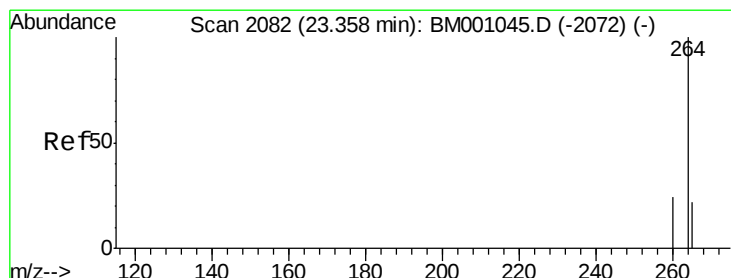
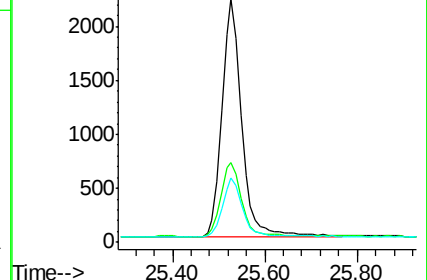
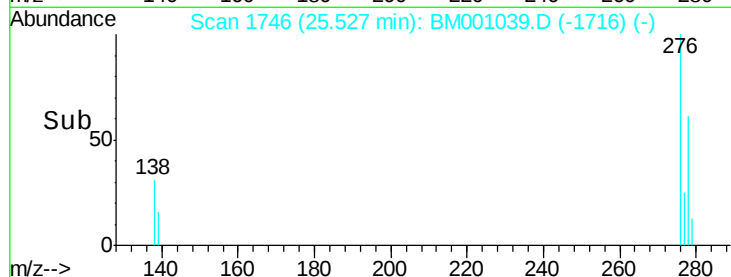
277 24.6 19.5 29.3



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: BM001039.D

Acq: 17 Apr 2015 19:45

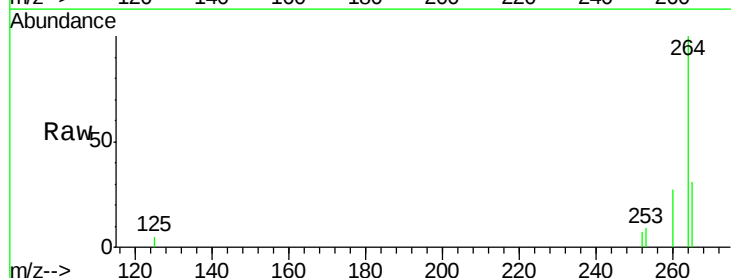
Tgt Ion:264 Resp: 4373

Ion Ratio Lower Upper

264 100

260 27.2 19.0 28.6

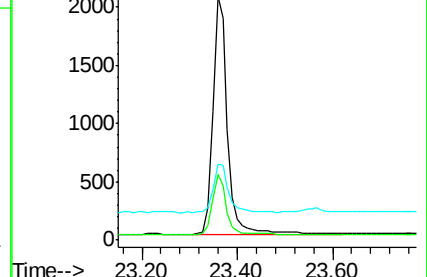
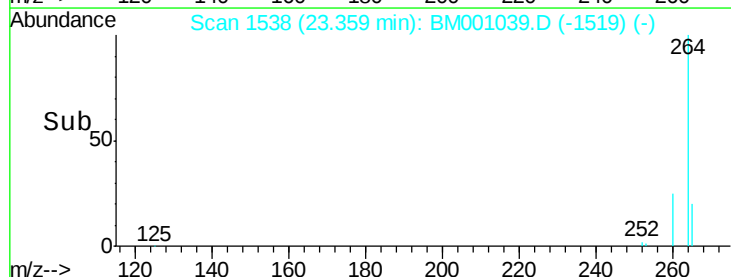
265 31.3 17.9 26.9#

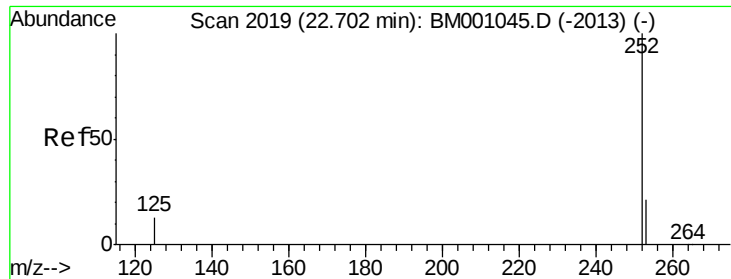


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 4.47 ng

RT: 22.71 min Scan# 1476

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

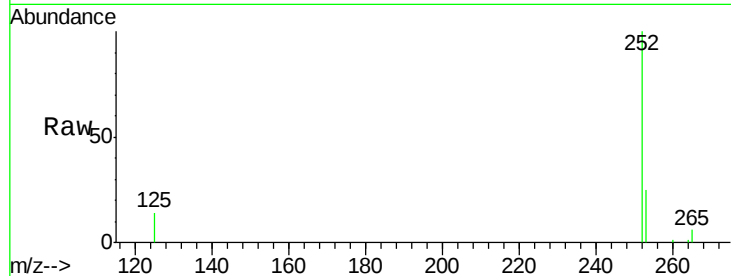
Tgt Ion:252 Resp: 6548

Ion Ratio Lower Upper

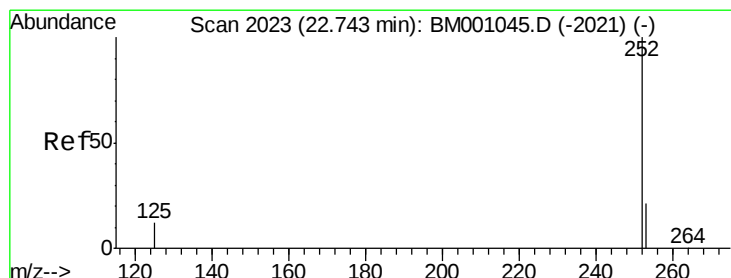
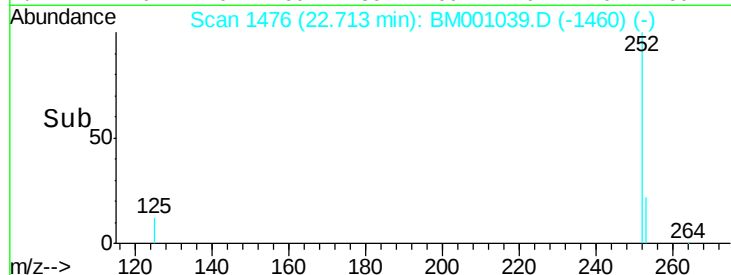
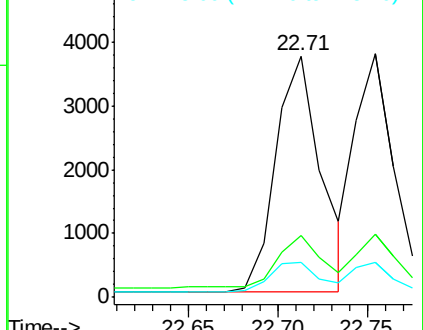
252 100

253 25.4 18.2 27.2

125 14.3 10.9 16.3



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



#27

Benzo(k)fluoranthene

Concen: 4.43 ng

RT: 22.75 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

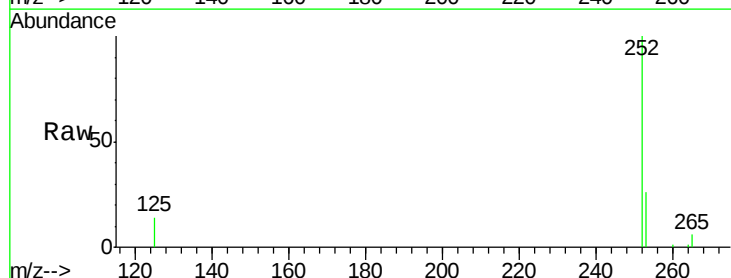
Tgt Ion:252 Resp: 6168

Ion Ratio Lower Upper

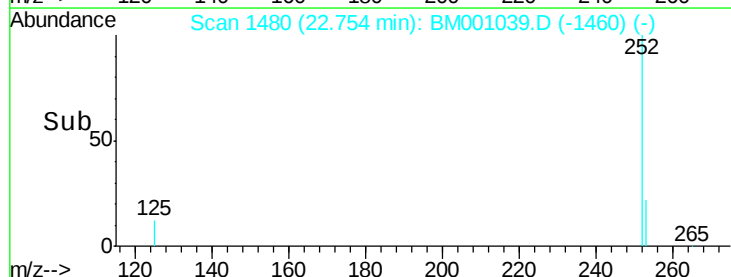
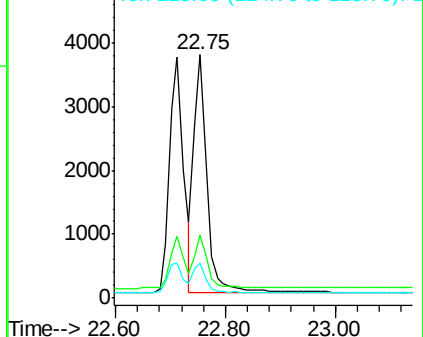
252 100

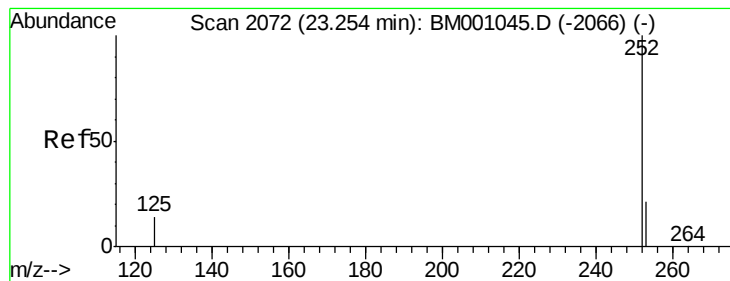
253 25.7 18.3 27.5

125 14.3 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: 4.56 ng

RT: 23.27 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

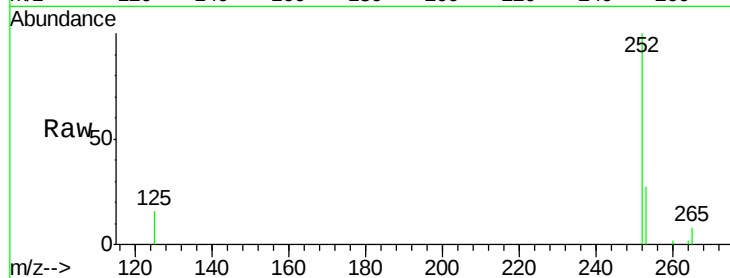
Tgt Ion:252 Resp: 5859

Ion Ratio Lower Upper

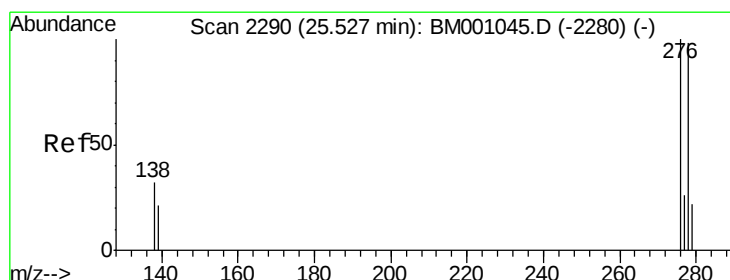
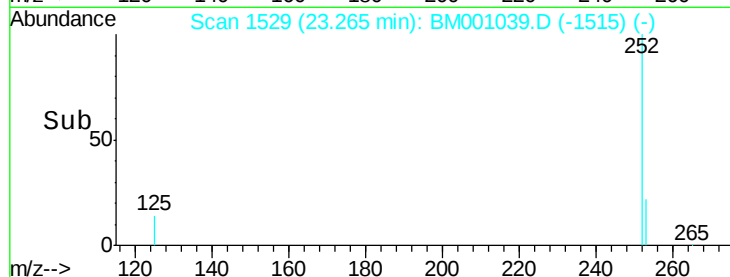
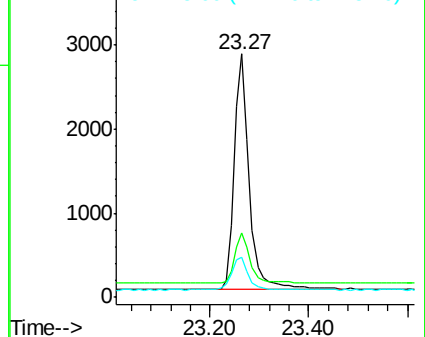
252 100

253 26.7 18.6 27.8

125 16.3 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: 4.29 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001039.D

Acq: 17 Apr 2015 19:45

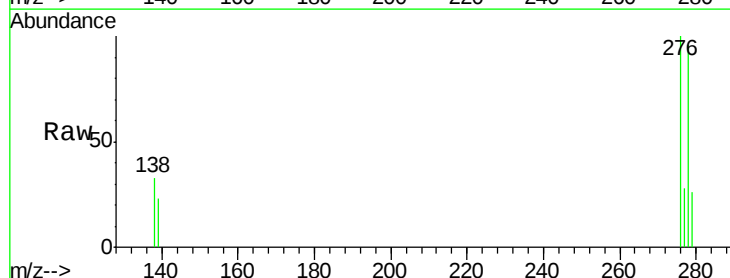
Tgt Ion:278 Resp: 5416

Ion Ratio Lower Upper

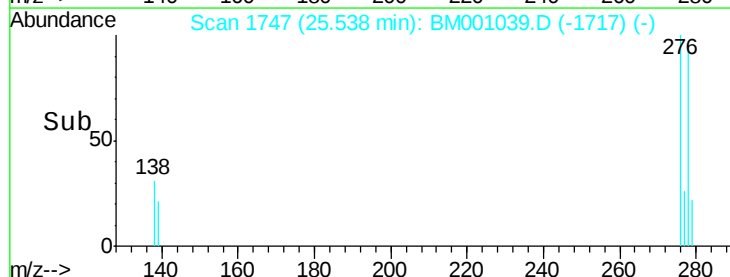
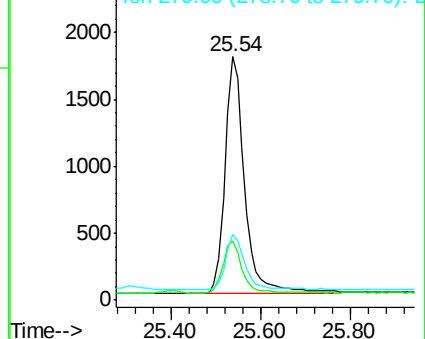
278 100

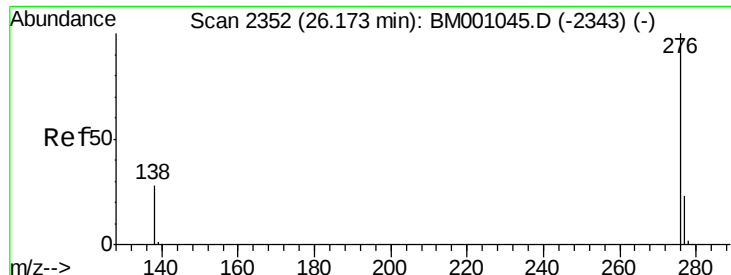
139 24.1 18.2 27.2

279 26.7 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: 4.60 ng

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001039.D

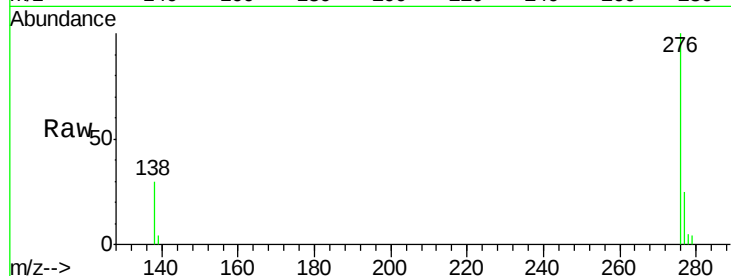
Acq: 17 Apr 2015 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.439



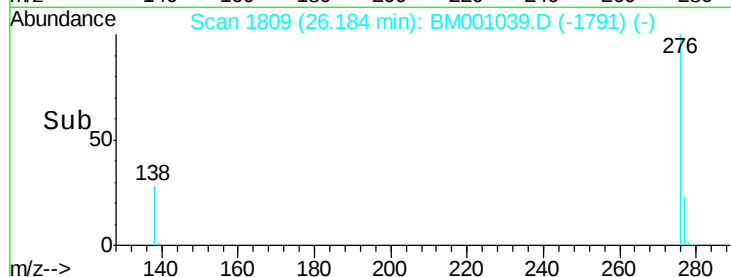
Tgt Ion: 276 Resp: 5930

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 29.5 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

