

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041815\
 Data File : BM001055.D
 Acq On : 18 Apr 2015 11:00
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: Apr 20 08:06:47 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

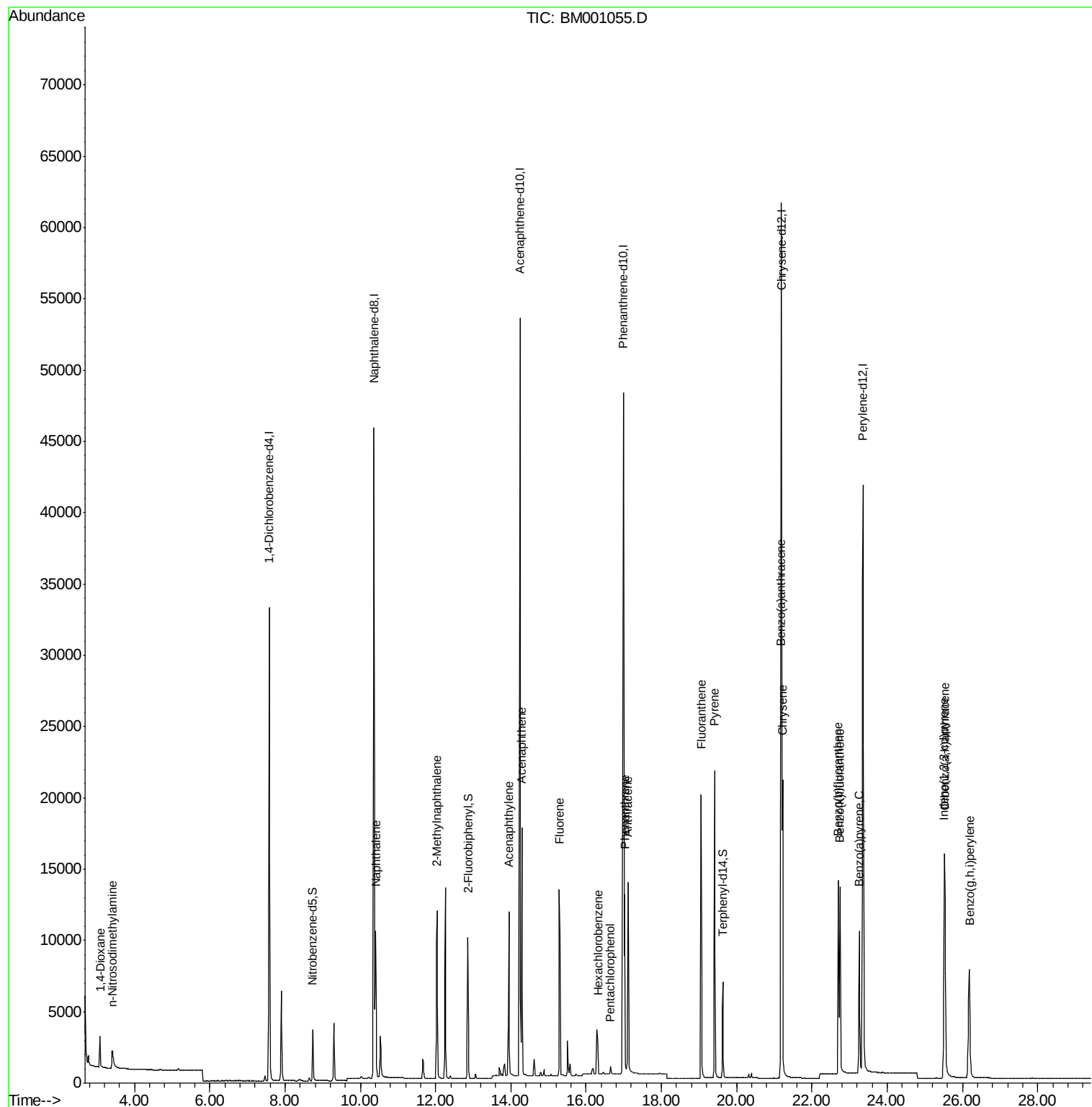
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16721	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	60092	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	31772	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	69451	5.00	ng	0.00
19) Chrysene-d12	21.19	240	59295	5.00	ng	0.00
25) Perylene-d12	23.36	264	53525	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	3190	0.97	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10313	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	7860	0.89	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.08	88	1786	0.97	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1670	0.92	ng	# 99
6) Naphthalene	10.41	128	14131	0.98	ng	100
7) 2-Methylnaphthalene	12.04	142	9137	0.96	ng	99
10) Acenaphthylene	13.95	152	13914	0.96	ng	100
11) Acenaphthene	14.29	154	9311	0.93	ng	99
12) Fluorene	15.29	166	11146	0.96	ng	99
14) Hexachlorobenzene	16.31	284	3719	0.87	ng	# 100
15) Pentachlorophenol	16.64	266	660	0.73	ng	95
16) Phenanthrene	17.03	178	17830	0.88	ng	99
17) Anthracene	17.11	178	16671	1.03	ng	100
18) Fluoranthene	19.05	202	18560	1.01	ng	100
20) Pyrene	19.42	202	19521	0.89	ng	100
22) Benzo(a)anthracene	21.17	228	16859	0.88	ng	98
23) Chrysene	21.22	228	18204	0.91	ng	97
24) Indeno(1,2,3-cd)pyrene	25.52	276	18387	0.89	ng	100
26) Benzo(b)fluoranthene	22.70	252	16571	0.85	ng	99
27) Benzo(k)fluoranthene	22.74	252	17003	0.91	ng	98
28) Benzo(a)pyrene	23.25	252	14583	0.87	ng	99
29) Dibenzo(a,h)anthracene	25.53	278	14489	0.87	ng	100
30) Benzo(g,h,i)perylene	26.18	276	15530	0.88	ng	97

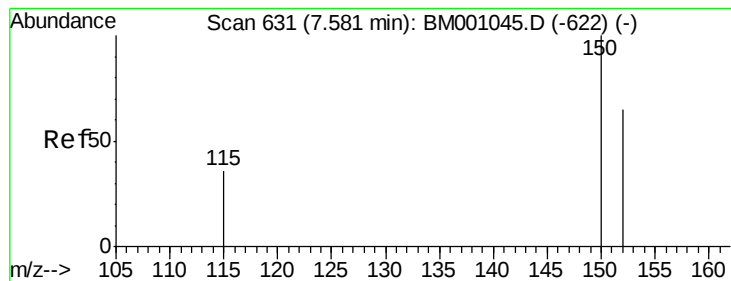
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

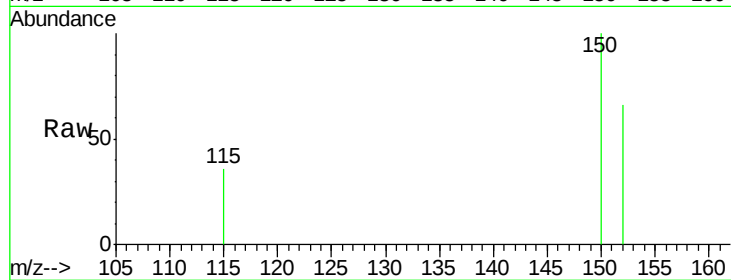
Tgt Ion:152 Resp: 16721

Ion Ratio Lower Upper

152 100

150 151.7 123.3 184.9

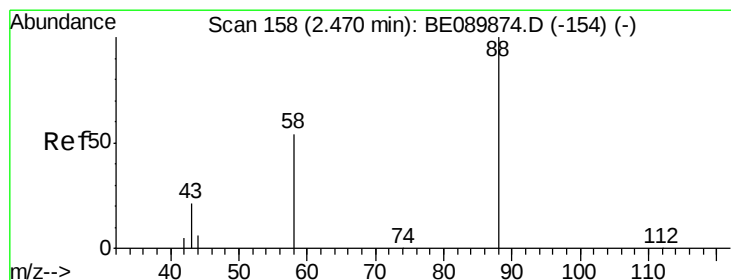
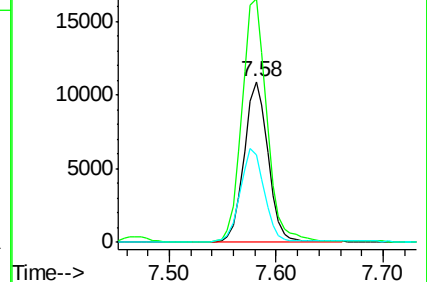
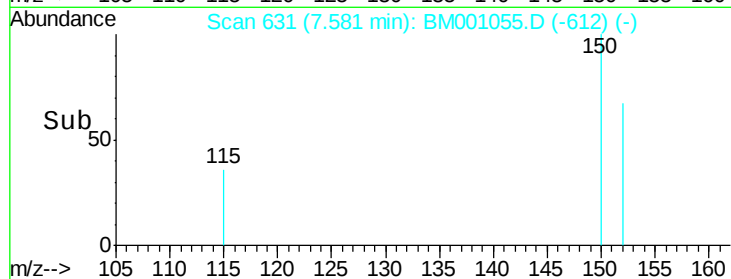
115 54.4 45.0 67.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.97 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

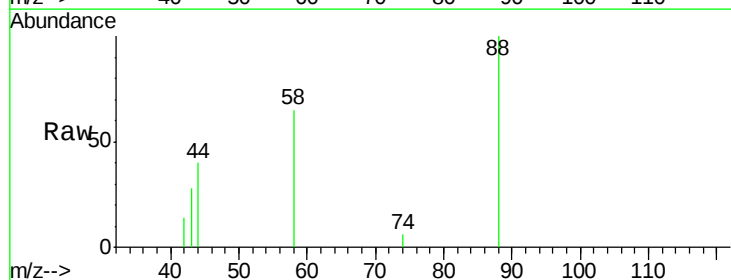
Tgt Ion: 88 Resp: 1786

Ion Ratio Lower Upper

88 100

58 72.8 0.0 0.0#

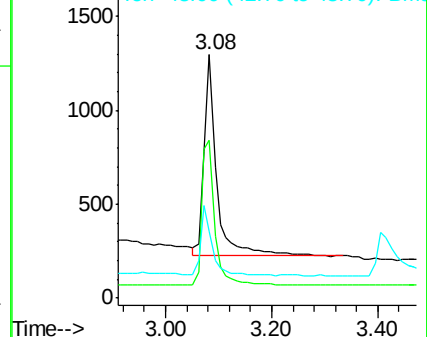
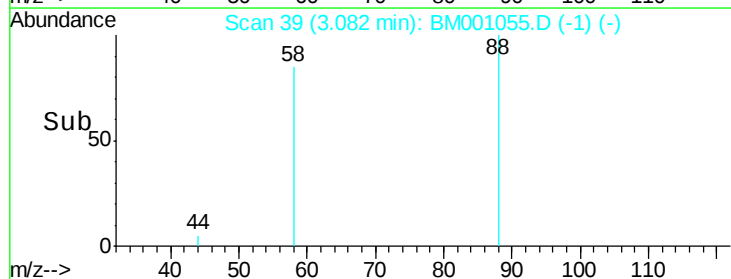
43 28.9 0.0 0.0#

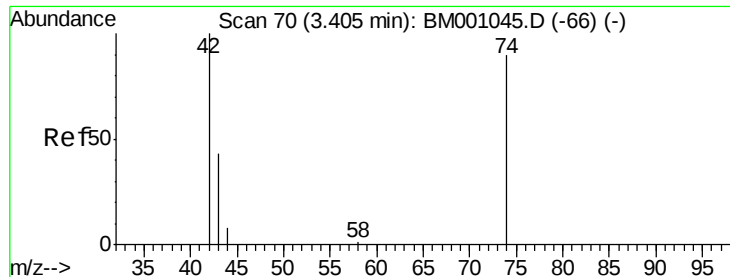


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.92 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

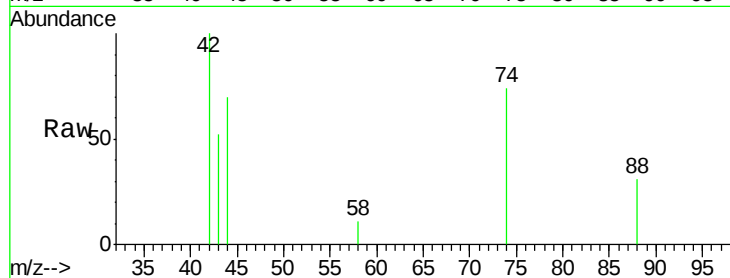
Tgt Ion: 42 Resp: 1670

Ion Ratio Lower Upper

42 100

74 115.0 92.1 138.1

44 11.3 5.8 8.6#

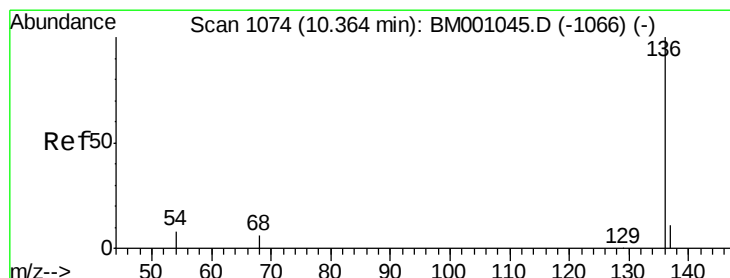
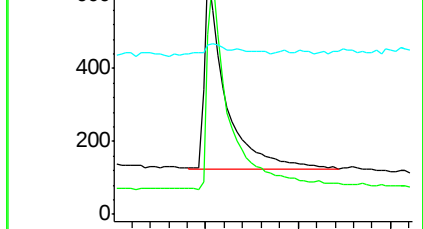
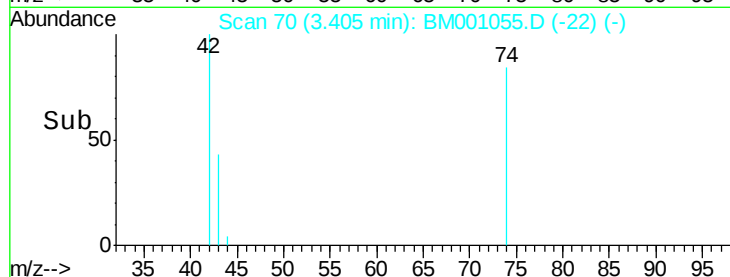


Abundance Ion 42.00 (41.70 to 42.70): BM001045.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001045.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001045.D (-66) (-)

Time-->



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

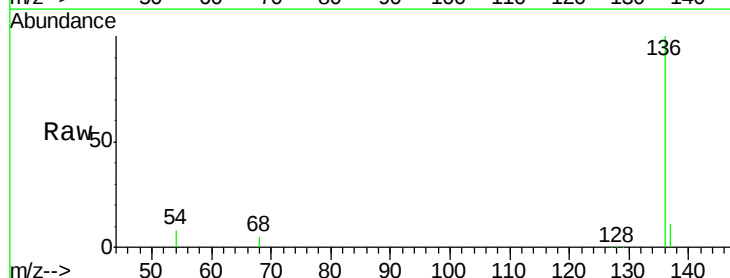
Tgt Ion: 136 Resp: 60092

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.6 6.5 9.7

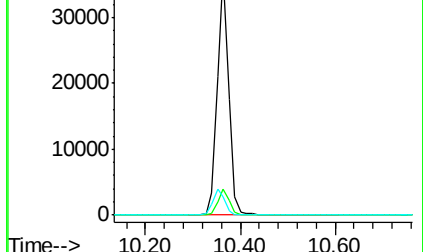
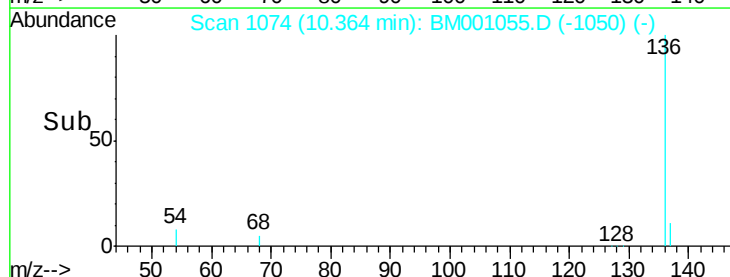


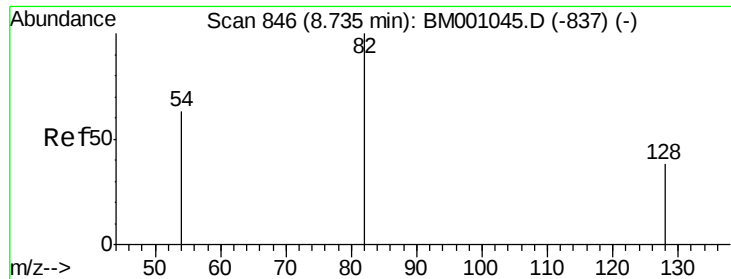
Abundance Ion 136.00 (135.70 to 136.70): BM001045.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001045.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-1066) (-)

Time-->





#5

Nitrobenzene-d5

Concen: 0.97 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

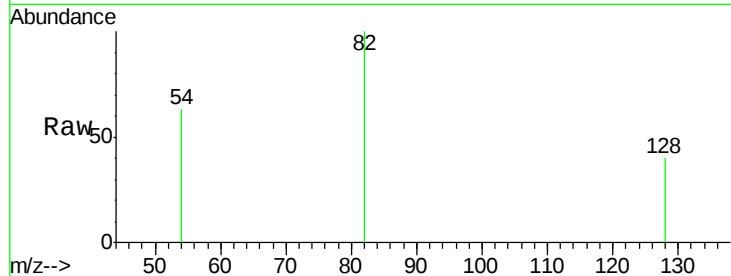
Tgt Ion: 82 Resp: 3190

Ion Ratio Lower Upper

82 100

128 40.2 31.9 47.9

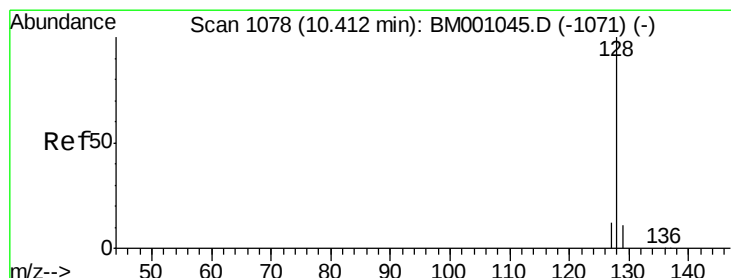
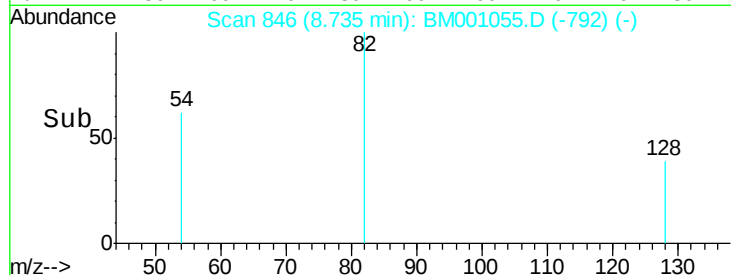
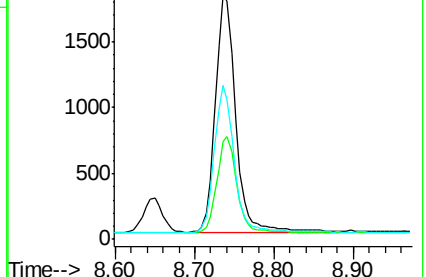
54 63.2 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001045.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001045.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001045.D (-837) (-)



#6

Naphthalene

Concen: 0.98 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

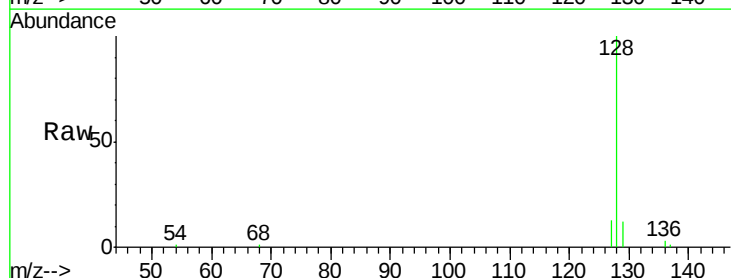
Tgt Ion: 128 Resp: 14131

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

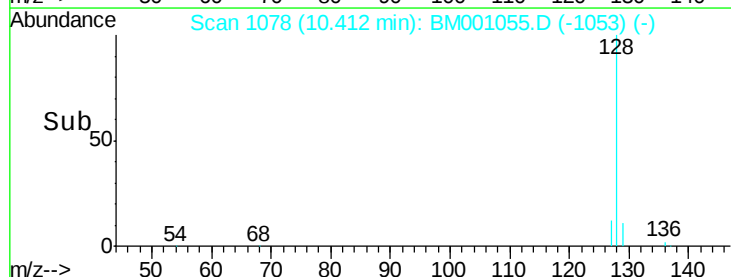
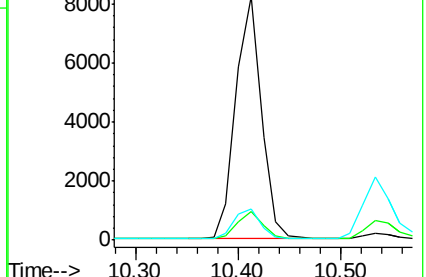
127 12.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): BM001045.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001045.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001045.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 0.96 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

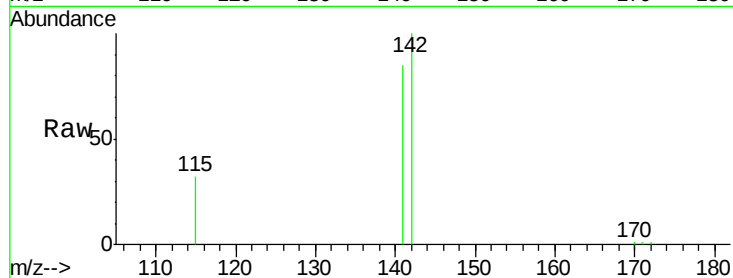
Tgt Ion:142 Resp: 9137

Ion Ratio Lower Upper

142 100

141 85.0 66.7 100.1

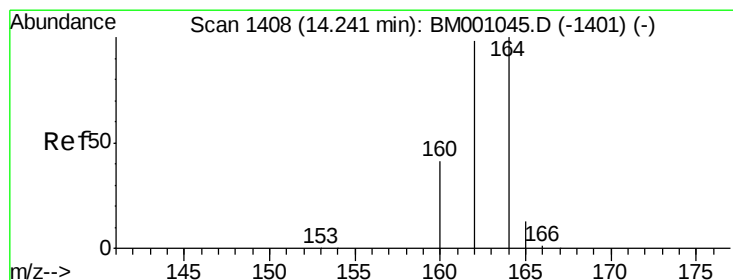
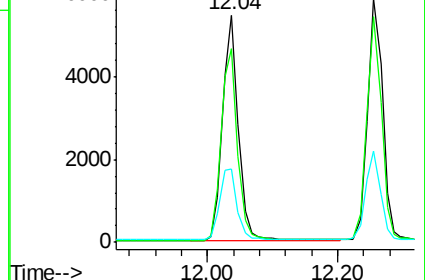
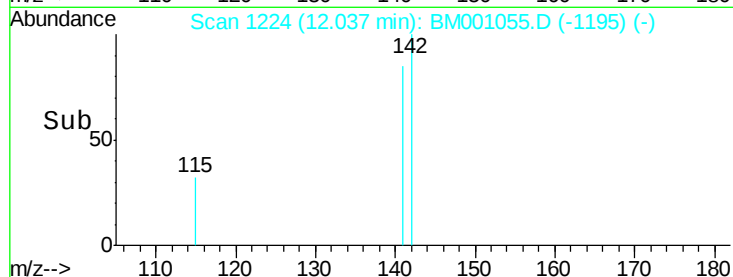
115 32.2 25.5 38.3



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# 1408

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

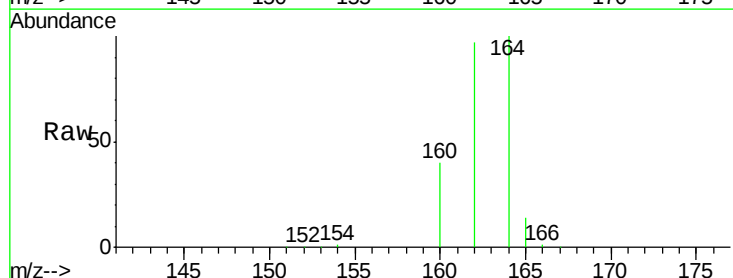
Tgt Ion:164 Resp: 31772

Ion Ratio Lower Upper

164 100

162 96.6 78.5 117.7

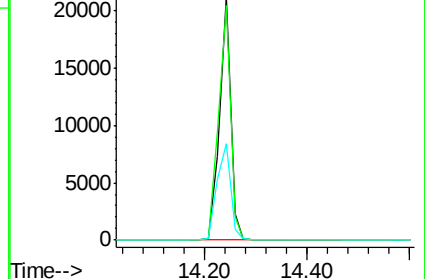
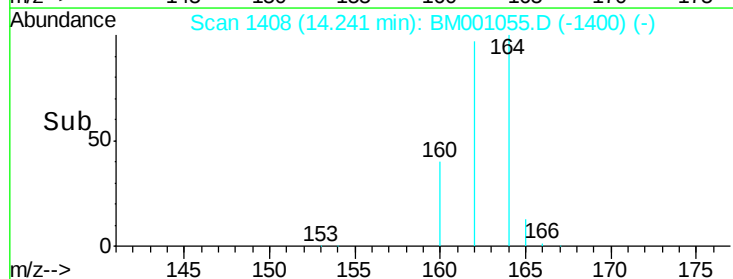
160 39.9 32.9 49.3



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

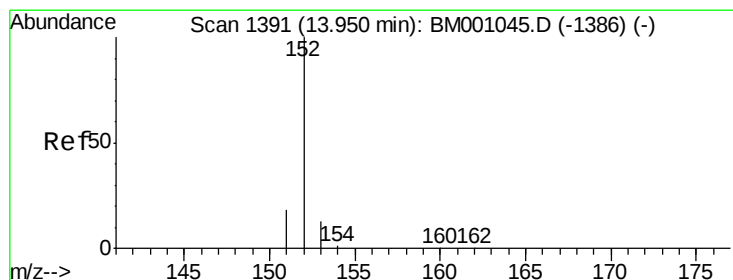
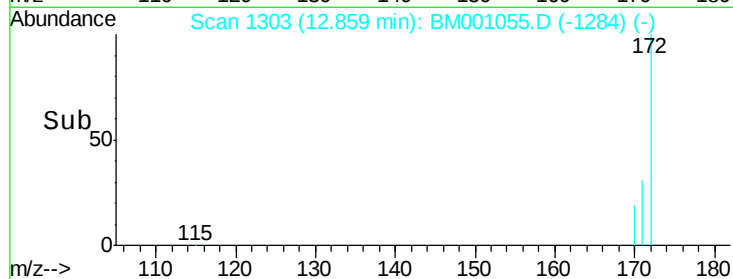
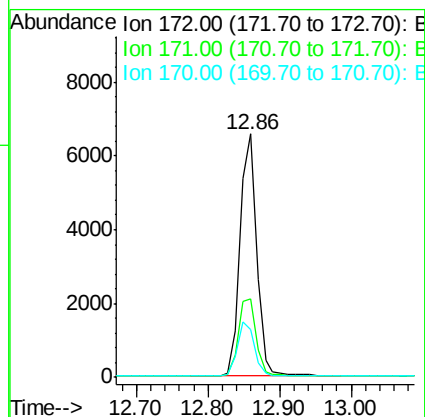
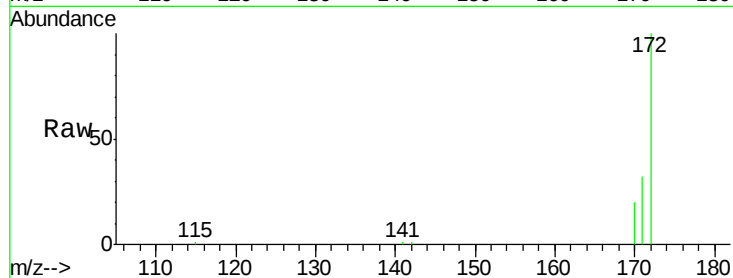




#9
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 12.86 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

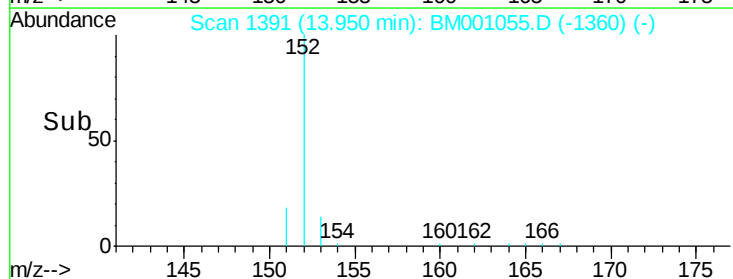
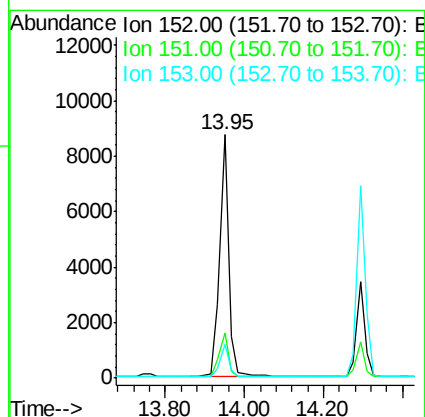
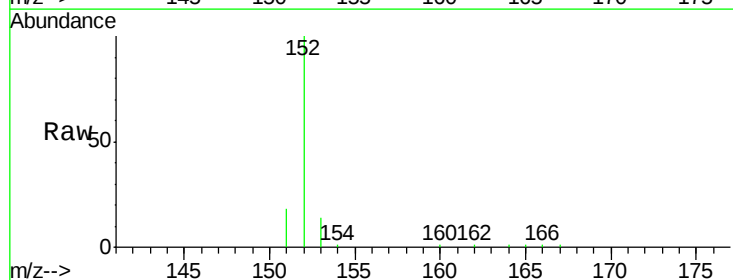
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

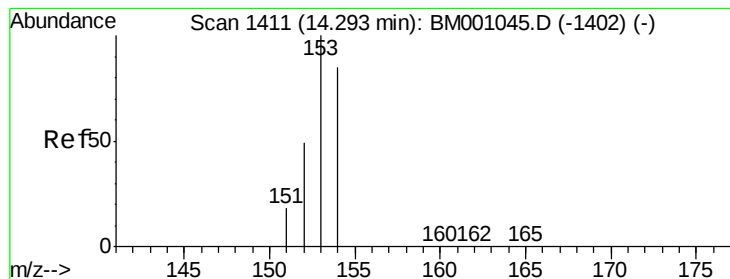
Tgt Ion:172 Resp: 10313
 Ion Ratio Lower Upper
 172 100
 171 32.1 25.6 38.4
 170 19.9 15.8 23.6



#10
 Acenaphthylene
 Concen: 0.96 ng
 RT: 13.95 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

Tgt Ion:152 Resp: 13914
 Ion Ratio Lower Upper
 152 100
 151 18.5 14.7 22.1
 153 12.9 10.2 15.2





#11

Acenaphthene

Concen: 0.93 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

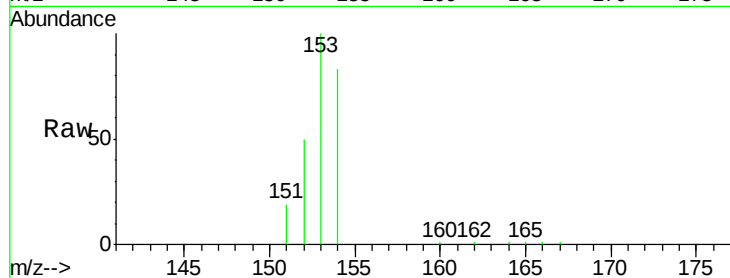
Tgt Ion:154 Resp: 9311

Ion Ratio Lower Upper

154 100

153 110.9 88.1 132.1

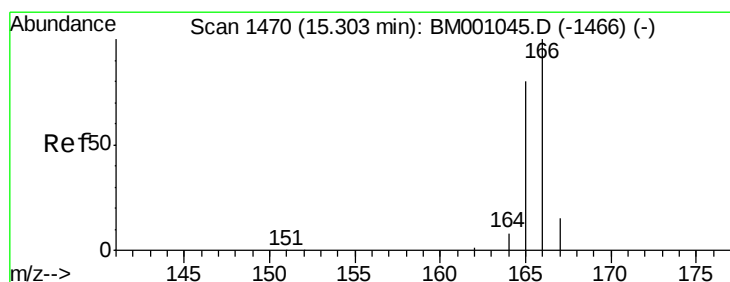
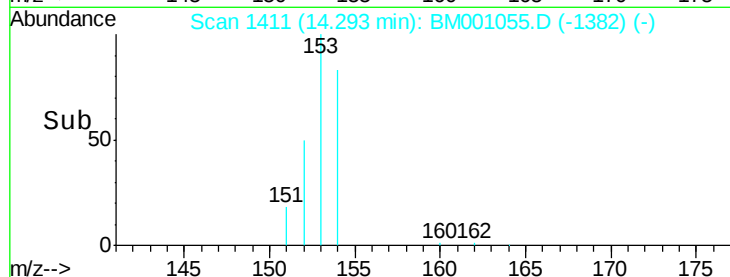
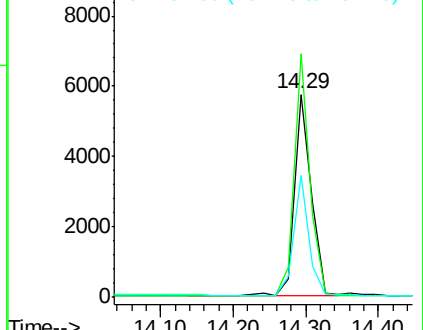
152 54.0 42.3 63.5



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: 0.96 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

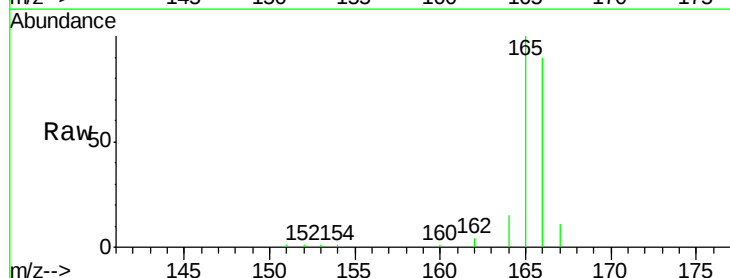
Tgt Ion:166 Resp: 11146

Ion Ratio Lower Upper

166 100

165 96.4 77.6 116.4

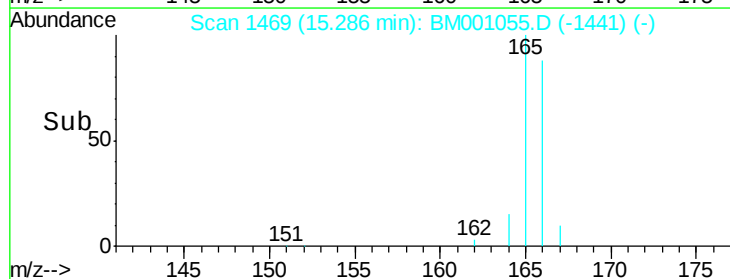
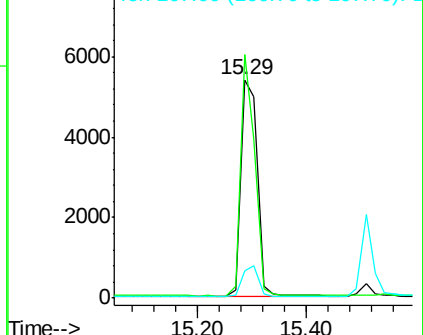
167 13.4 10.6 16.0

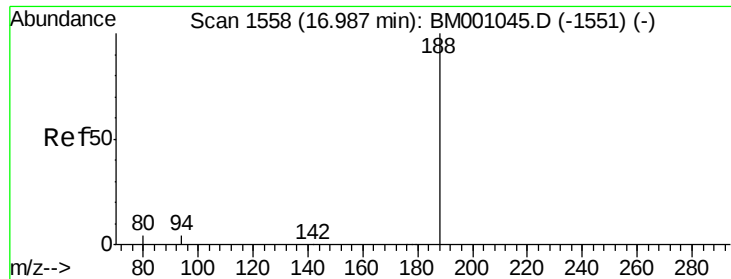


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

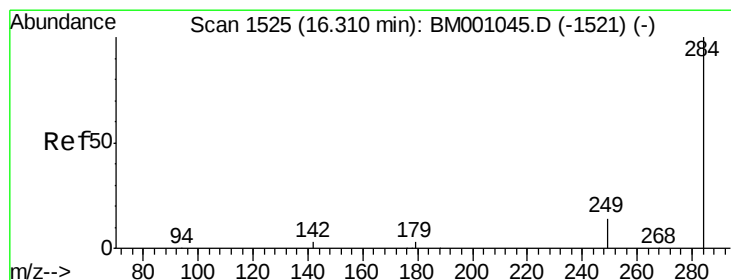
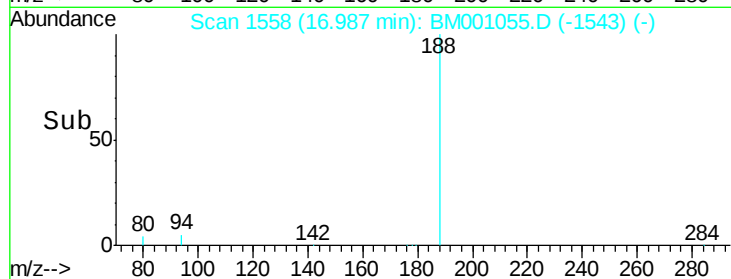
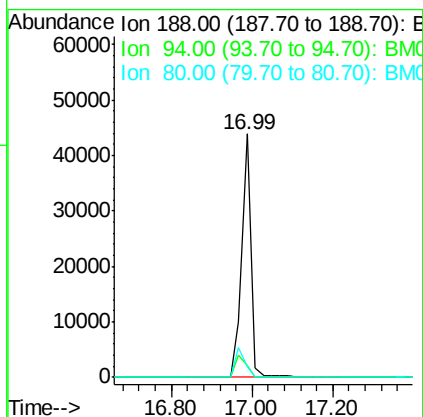
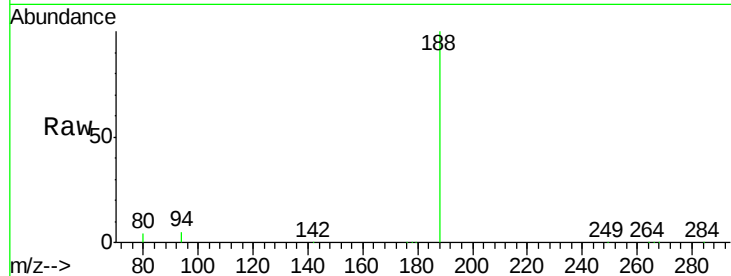




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

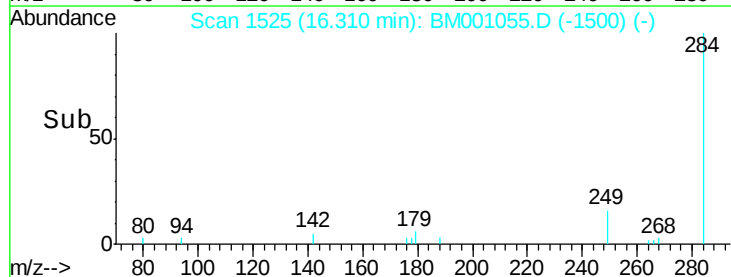
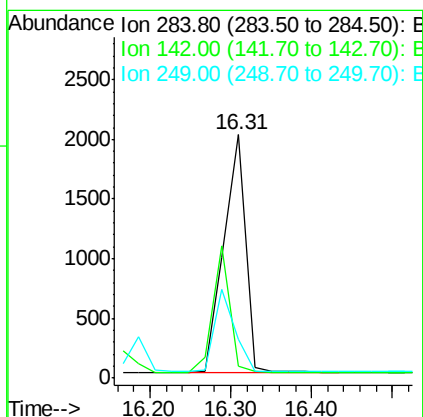
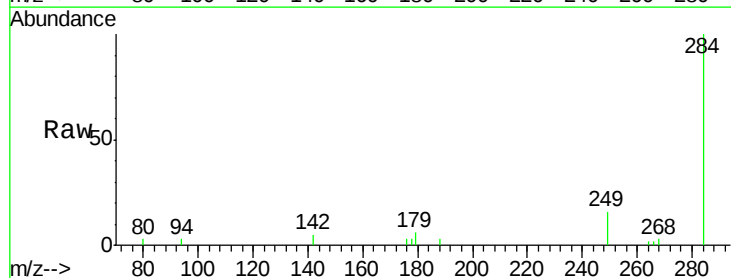
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:188 Resp: 69451
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 4.2 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.87 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001055.D
Acq: 18 Apr 2015 11:00

Tgt Ion:284 Resp: 3719
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

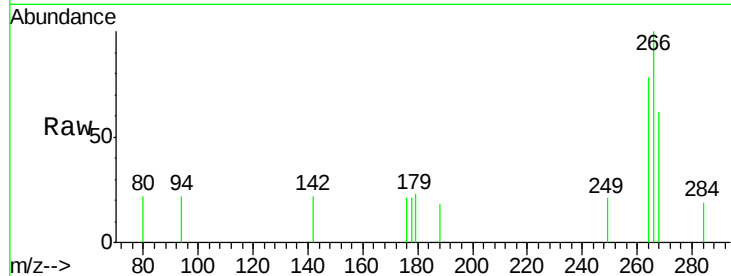




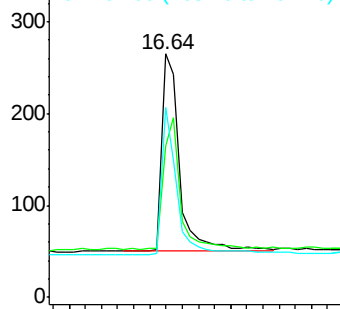
#15
 Pentachlorophenol
 Concen: 0.73 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

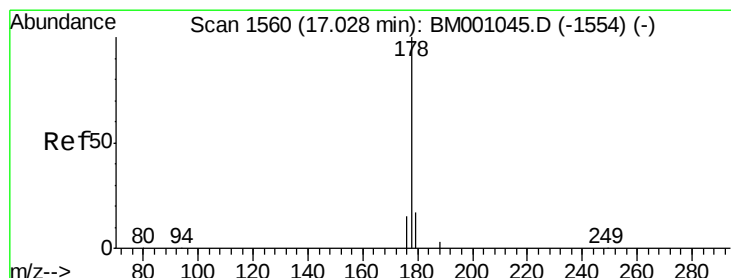
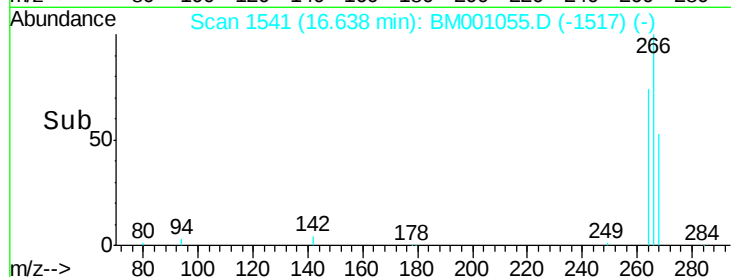
Tgt Ion: 266 Resp: 660
 Ion Ratio Lower Upper
 266 100
 268 62.3 46.3 69.5
 264 78.1 59.8 89.6



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

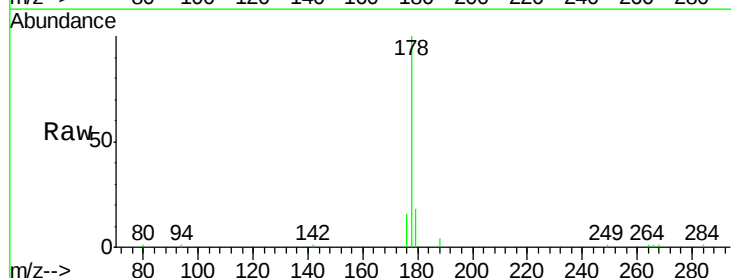


Time--> 16.40 16.60 16.80 17.00

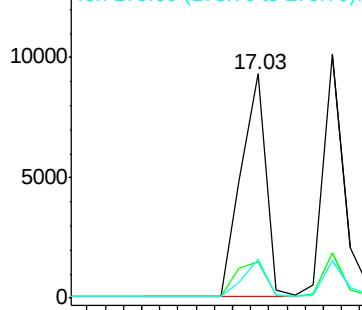


#16
 Phenanthrene
 Concen: 0.88 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

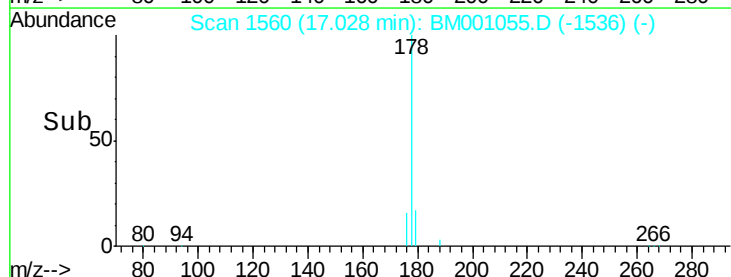
Tgt Ion: 178 Resp: 17830
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 22.0
 179 15.8 12.6 19.0

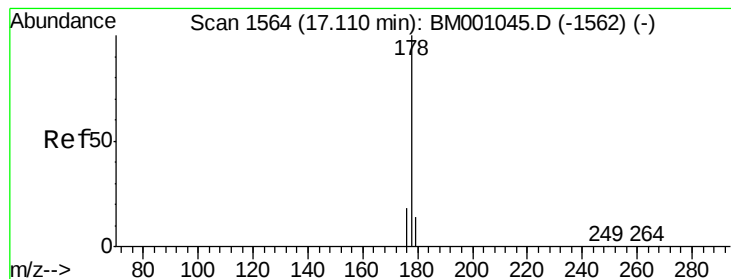


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 16.90 17.00 17.10





#17

Anthracene

Concen: 1.03 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

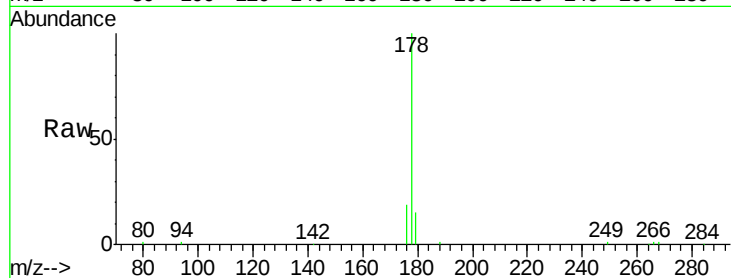
Tgt Ion:178 Resp: 16671

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

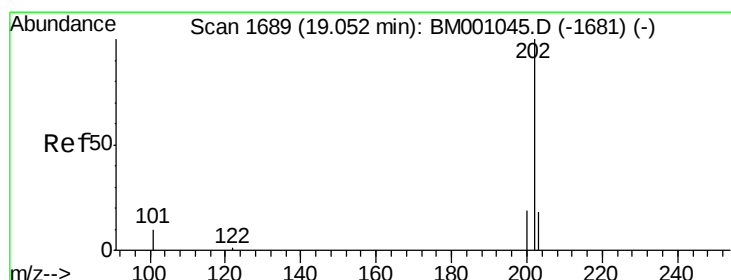
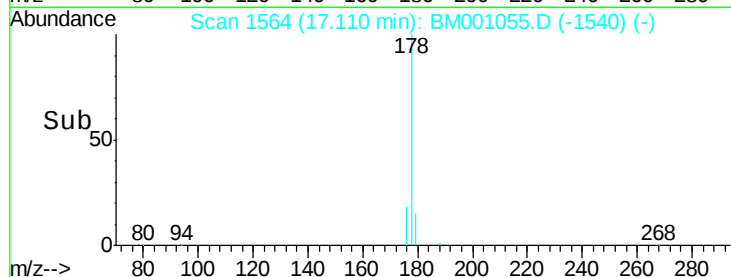
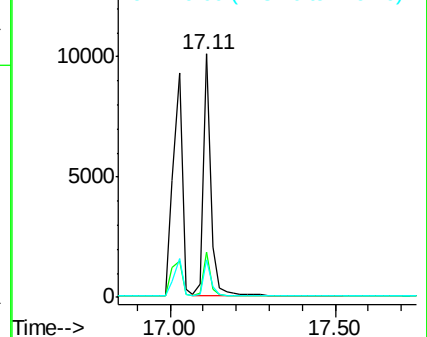
179 15.0 11.8 17.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 1.01 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

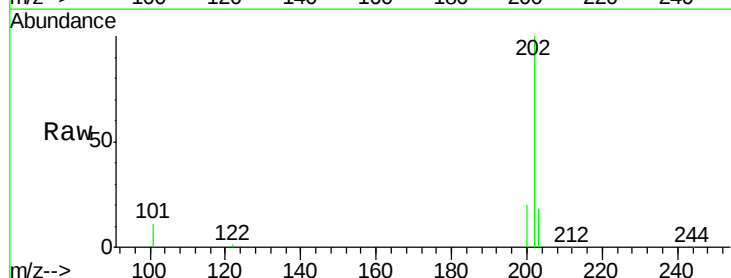
Tgt Ion:202 Resp: 18560

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

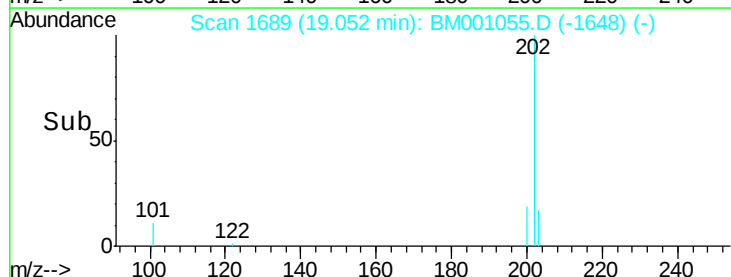
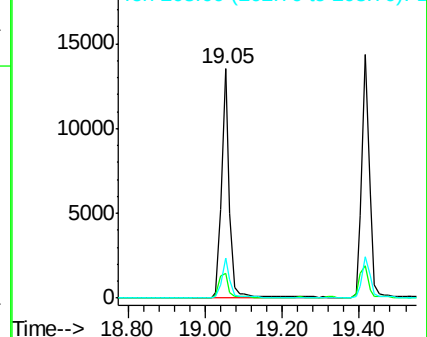
203 17.3 13.8 20.8

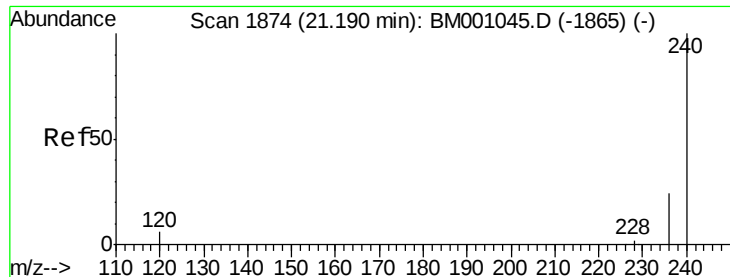


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1874

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

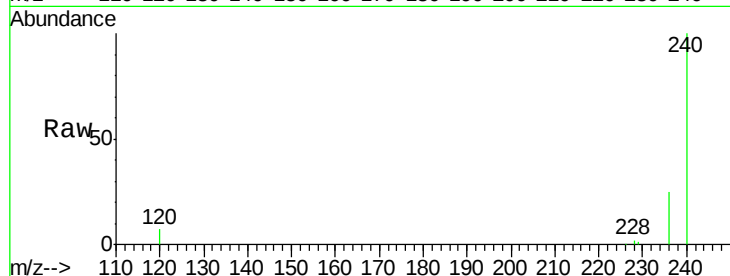
Tgt Ion:240 Resp: 59295

Ion Ratio Lower Upper

240 100

120 7.0 4.6 6.8#

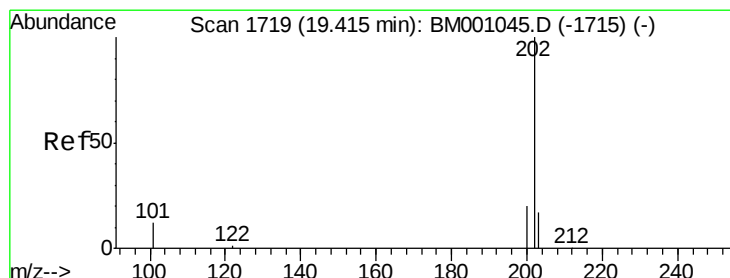
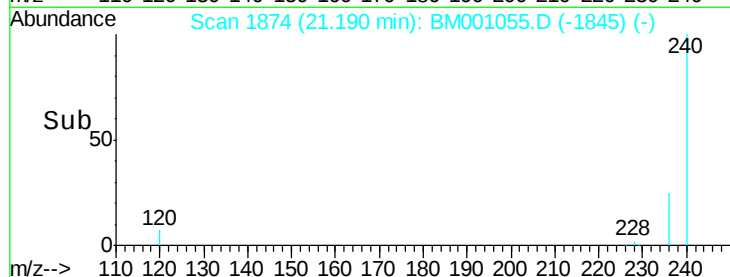
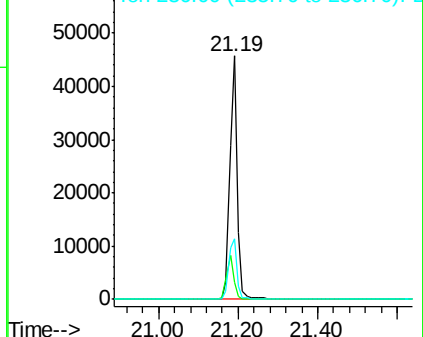
236 24.9 19.1 28.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.89 ng

RT: 19.42 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

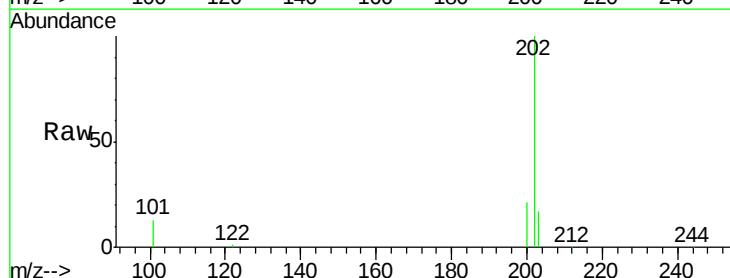
Tgt Ion:202 Resp: 19521

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

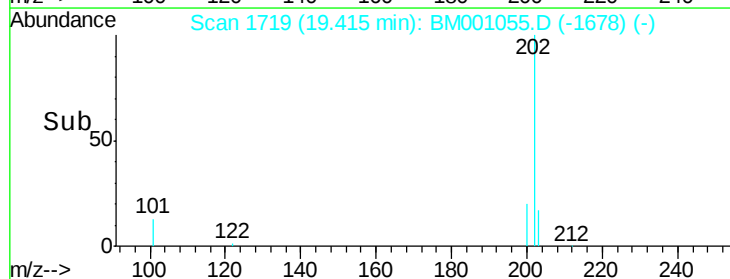
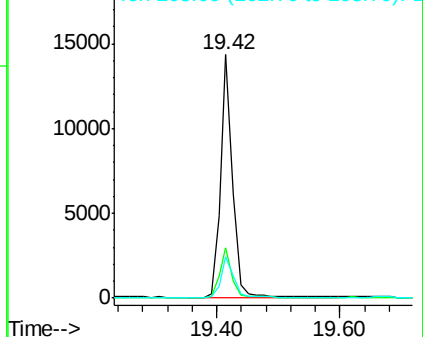
203 17.2 13.8 20.6

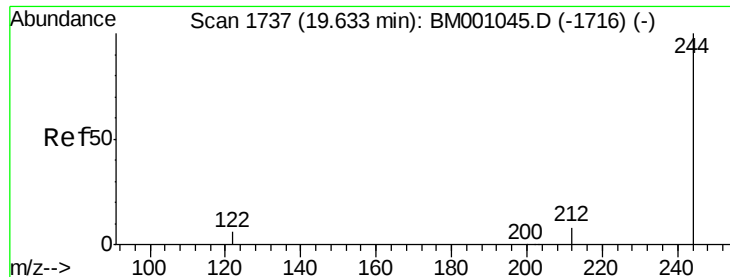


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.89 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

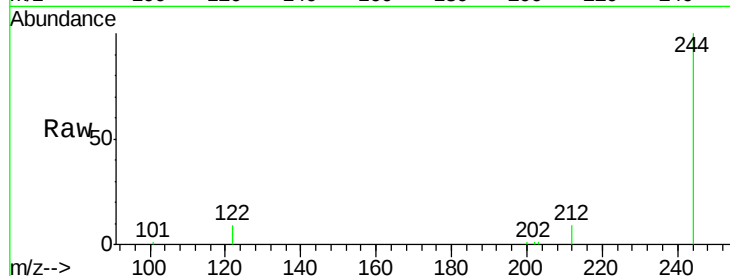
Tgt Ion:244 Resp: 7860

Ion Ratio Lower Upper

244 100

212 9.0 7.1 10.7

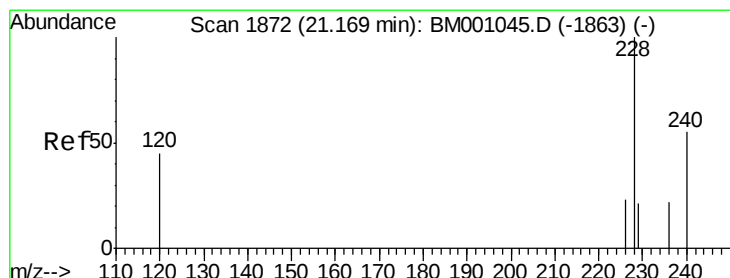
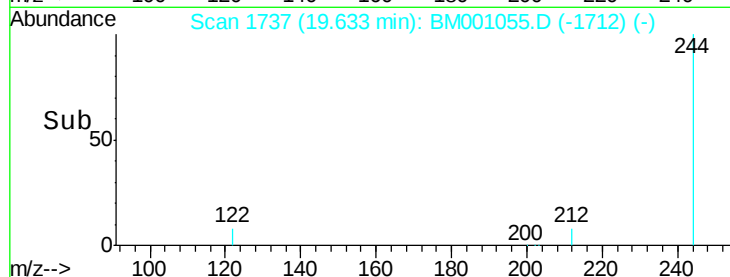
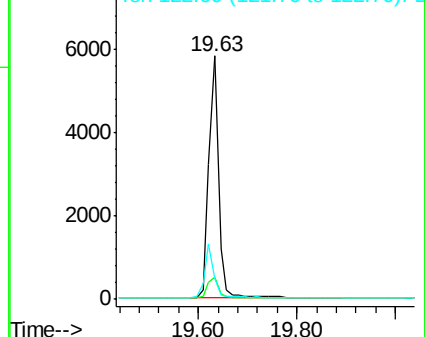
122 8.8 5.9 8.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.88 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

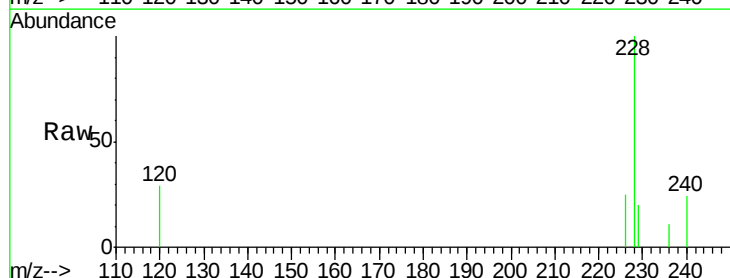
Tgt Ion:228 Resp: 16859

Ion Ratio Lower Upper

228 100

226 25.0 19.0 28.6

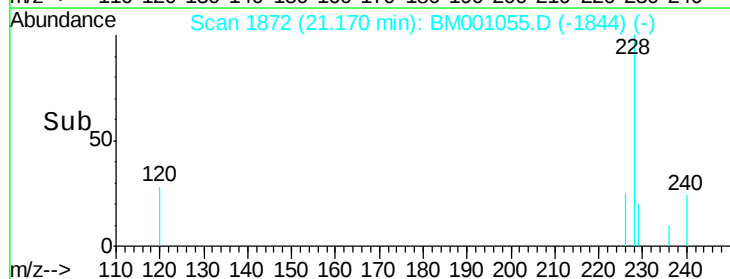
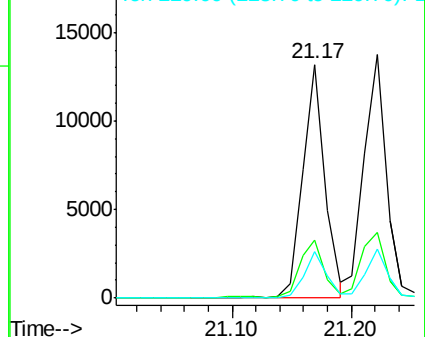
229 20.1 16.8 25.2

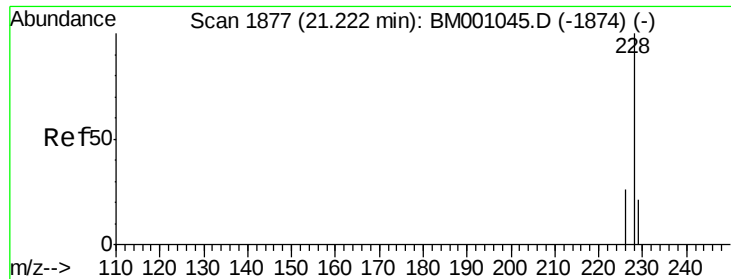


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.91 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

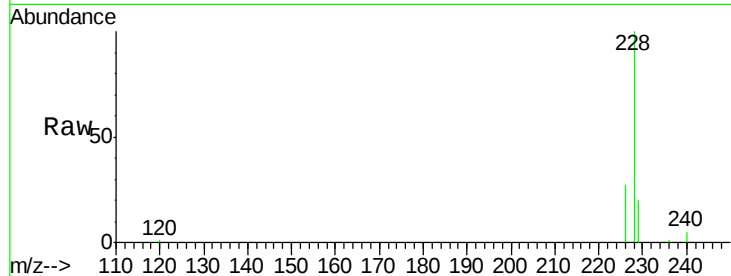
Tgt Ion:228 Resp: 18204

Ion Ratio Lower Upper

228 100

226 27.2 20.6 31.0

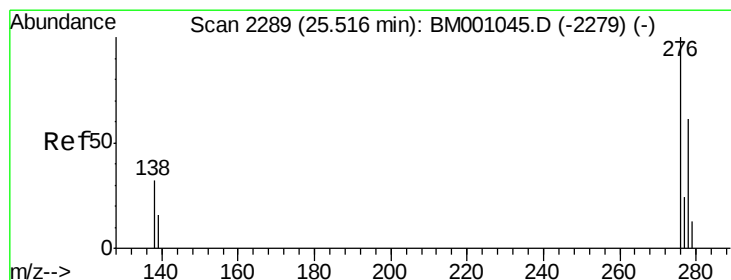
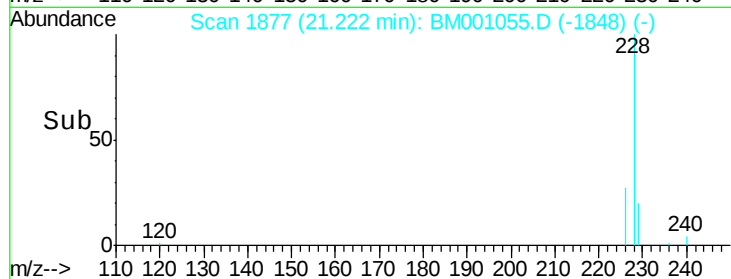
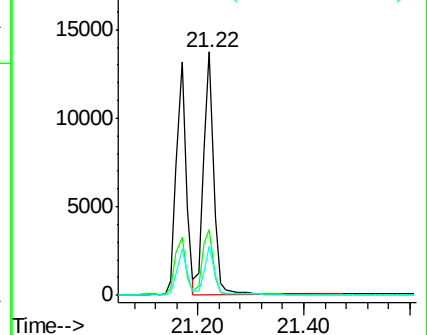
229 20.2 17.2 25.8



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: 0.89 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

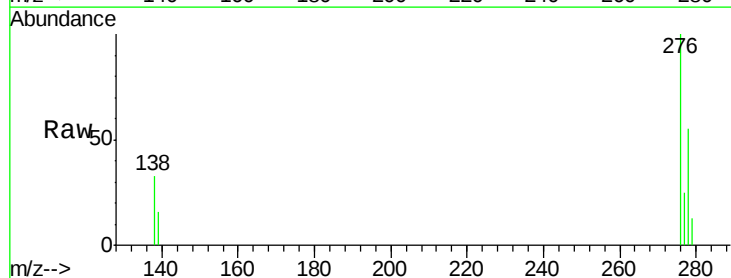
Tgt Ion:276 Resp: 18387

Ion Ratio Lower Upper

276 100

138 33.1 26.3 39.5

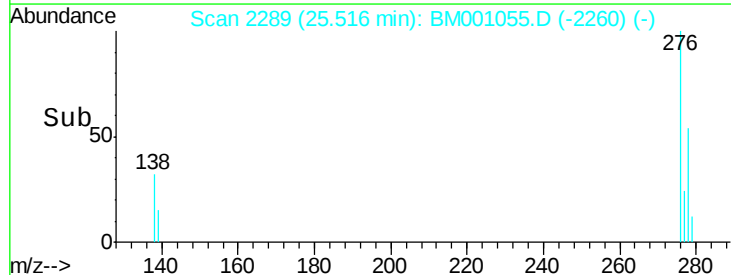
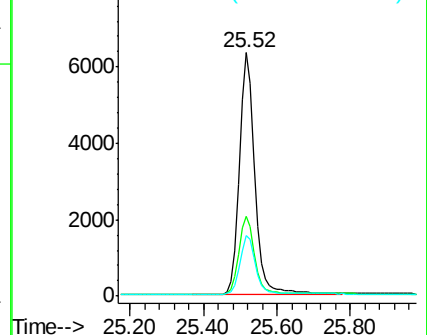
277 24.3 19.5 29.3

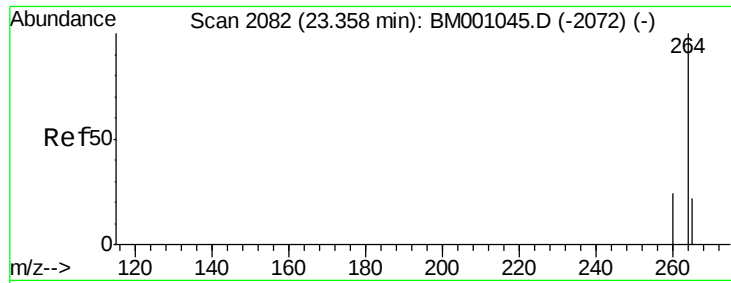


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

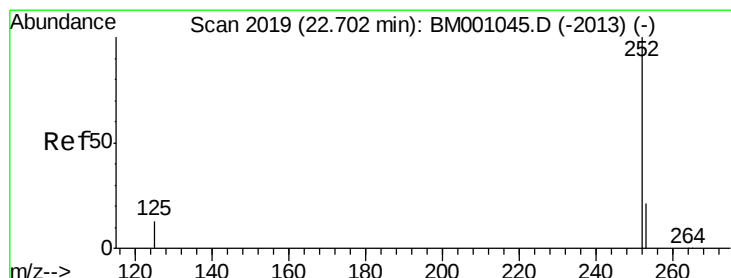
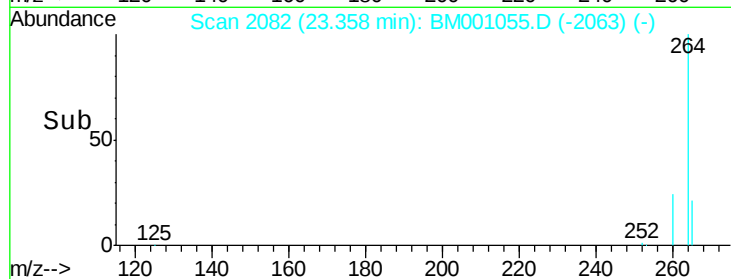
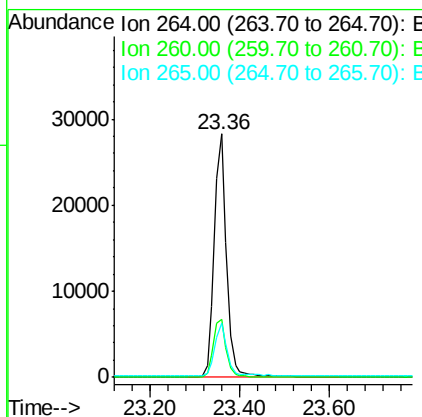
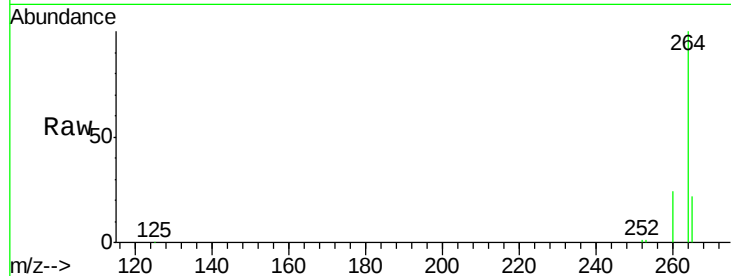




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

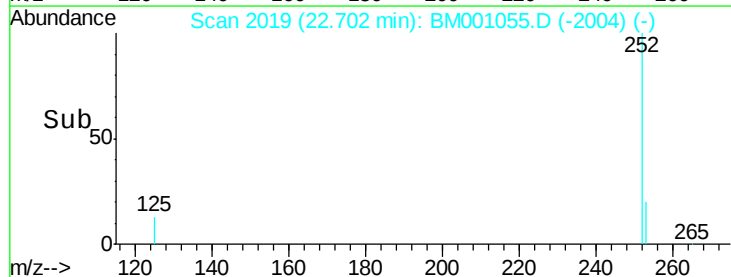
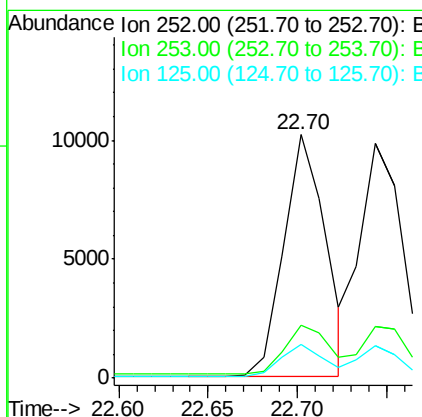
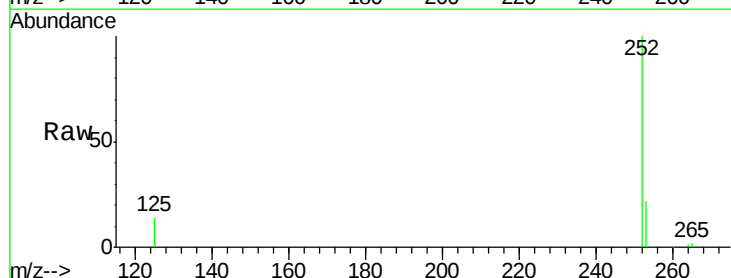
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion: 264 Resp: 53525
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 22.2 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 0.85 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001055.D
 Acq: 18 Apr 2015 11:00

Tgt Ion: 252 Resp: 16571
 Ion Ratio Lower Upper
 252 100
 253 21.9 18.2 27.2
 125 13.8 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 0.91 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

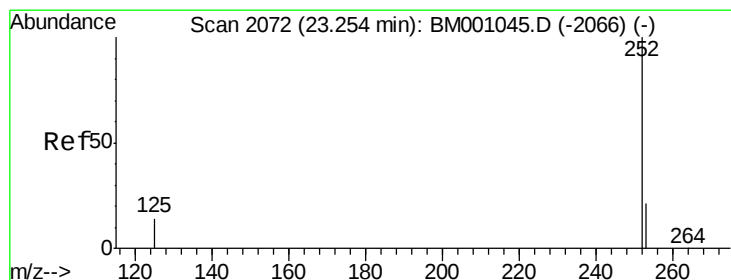
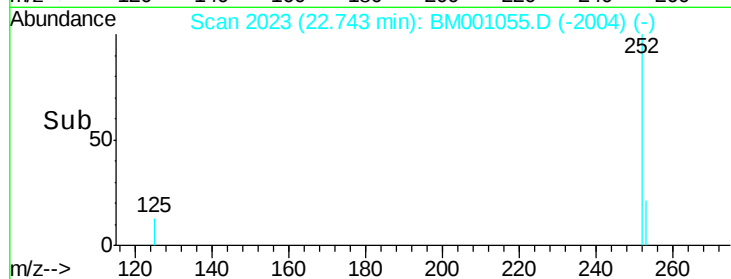
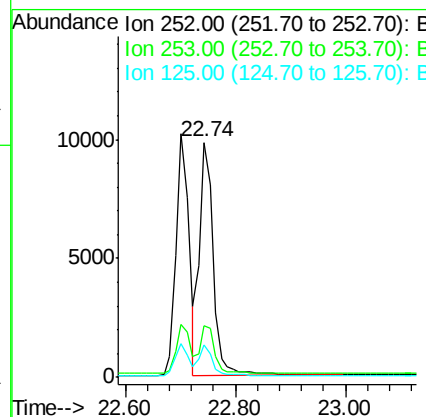
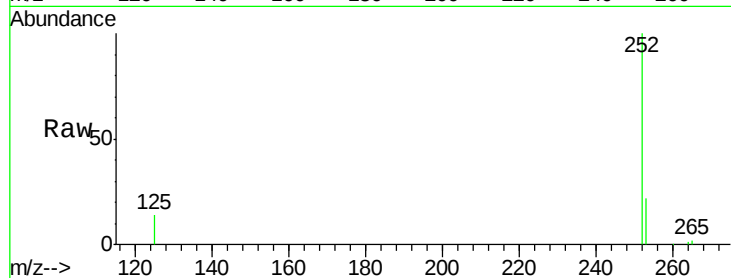
Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:252 Resp: 17003

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.3	27.5
125	13.9	10.6	15.8



#28

Benzo(a)pyrene

Concen: 0.87 ng

RT: 23.25 min Scan# 2072

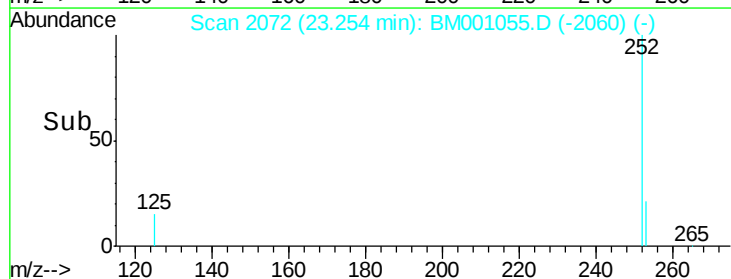
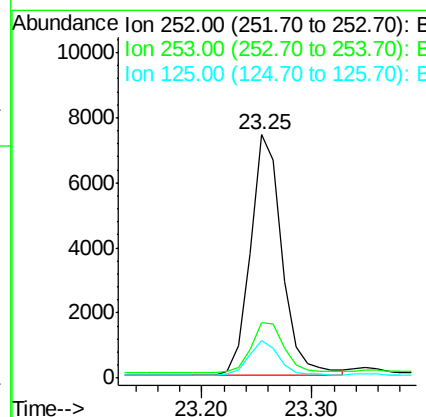
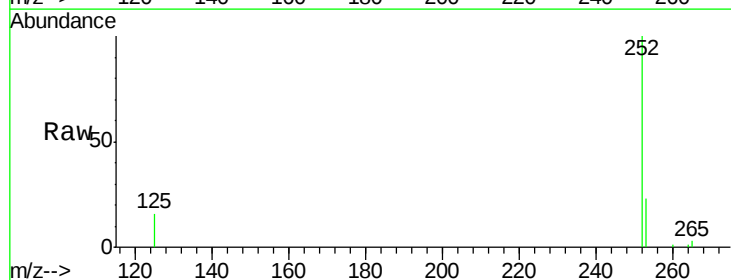
Delta R.T. 0.00 min

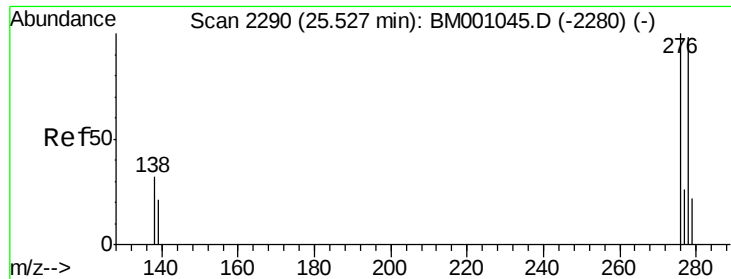
Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Tgt Ion:252 Resp: 14583

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	15.6	11.9	17.9





#29

Dibenzo(a,h)anthracene

Concen: 0.87 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

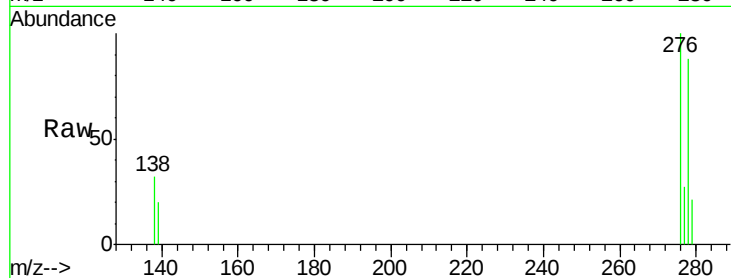
Tgt Ion: 278 Resp: 14489

Ion Ratio Lower Upper

278 100

139 23.0 18.2 27.2

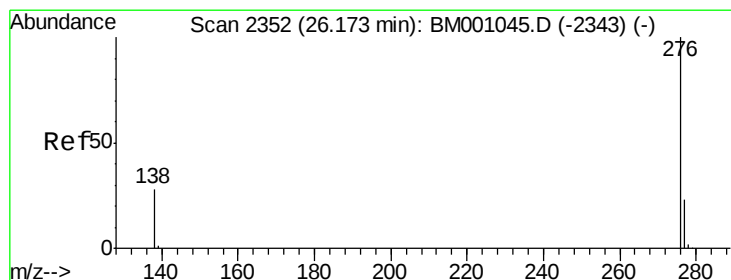
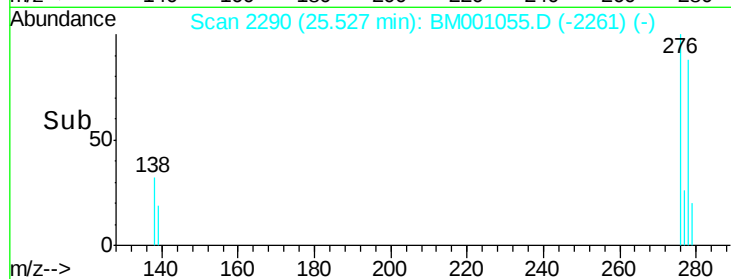
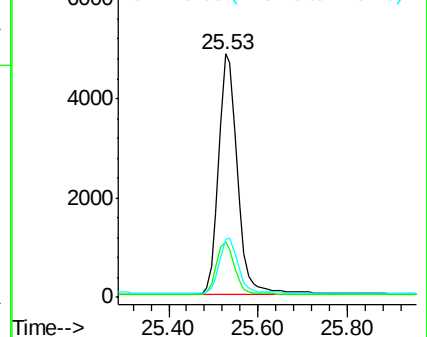
279 24.0 19.1 28.7



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: 0.88 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001055.D

Acq: 18 Apr 2015 11:00

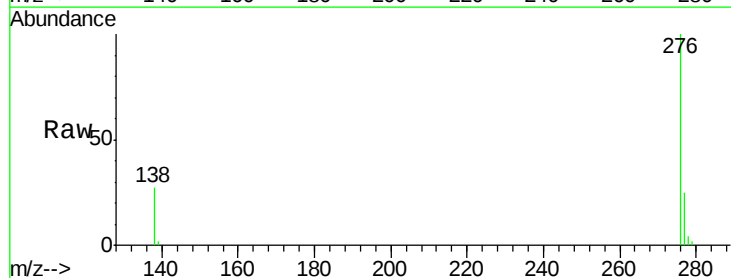
Tgt Ion: 276 Resp: 15530

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 27.1 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

