

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042215\
 Data File : BM001107.D
 Acq On : 22 Apr 2015 14:19
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 23 11:10:30 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 08:05:22 2015
 Response via : Initial Calibration

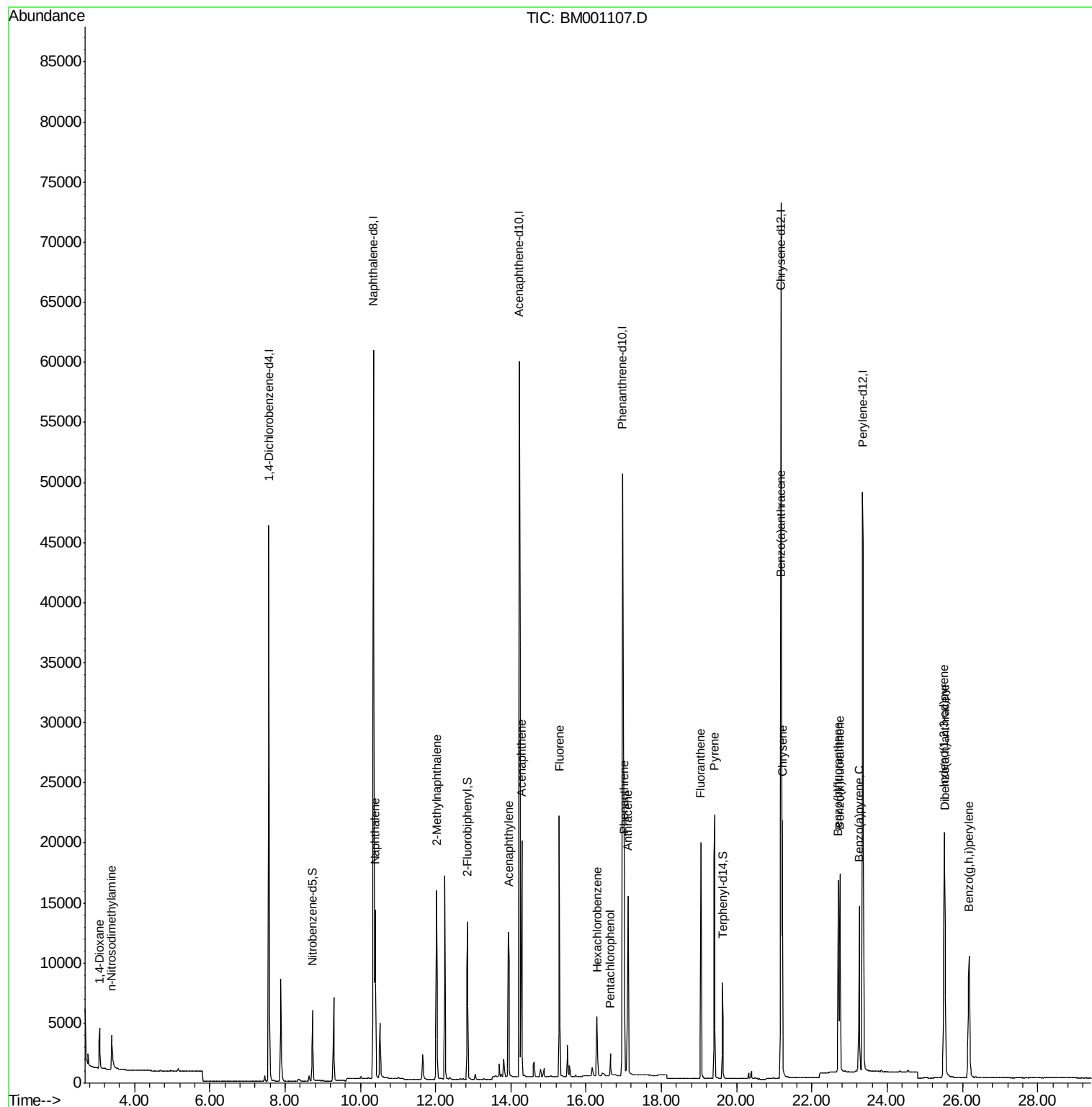
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	22545	5.00	ng	-0.01
4) Naphthalene-d8	10.35	136	79418	5.00	ng	-0.01
8) Acenaphthene-d10	14.22	164	38608	5.00	ng	-0.02
13) Phenanthrene-d10	16.97	188	76777	5.00	ng	-0.02
19) Chrysene-d12	21.18	240	65800	5.00	ng	-0.01
25) Perylene-d12	23.35	264	62803	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.73	82	5047	1.22	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	12748	1.00	ng	-0.01
21) Terphenyl-d14	19.62	244	8790	1.01	ng	-0.01
Target Compounds						Ovalue
2) 1,4-Dioxane	3.07	88	2353	0.93	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	2888	1.21	ng	92
6) Naphthalene	10.40	128	18489	0.98	ng	99
7) 2-Methylnaphthalene	12.03	142	11824	0.97	ng	96
10) Acenaphthylene	13.93	152	18643	1.09	ng	99
11) Acenaphthene	14.29	154	11398	0.95	ng	99
12) Fluorene	15.29	166	13598	0.99	ng	98
14) Hexachlorobenzene	16.29	284	4372	1.03	ng	# 100
15) Pentachlorophenol	16.64	266	1655	1.34	ng	93
16) Phenanthrene	17.01	178	20810	1.02	ng	98
17) Anthracene	17.11	178	19300	1.03	ng	99
18) Fluoranthene	19.04	202	21528	1.01	ng	100
20) Pyrene	19.42	202	22595	1.04	ng	100
22) Benzo(a)anthracene	21.17	228	20111	1.05	ng	98
23) Chrysene	21.21	228	19248m	0.96	ng	
24) Indeno(1,2,3-cd)pyrene	25.52	276	23441	1.14	ng	98
26) Benzo(b)fluoranthene	22.70	252	20317	1.01	ng	99
27) Benzo(k)fluoranthene	22.74	252	19008	0.98	ng	100
28) Benzo(a)pyrene	23.25	252	18405	1.07	ng	100
29) Dibenzo(a,h)anthracene	25.53	278	18115	1.06	ng	99
30) Benzo(g,h,i)perylene	26.17	276	19564	1.06	ng	98

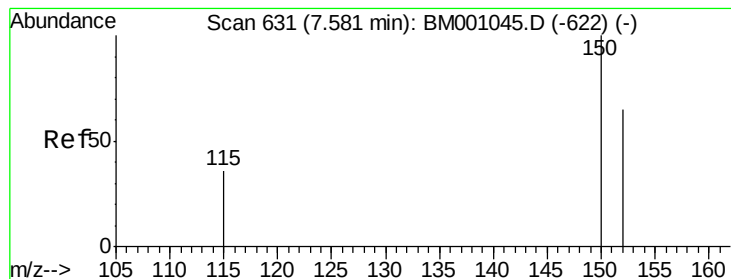
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.57 min Scan# 629

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

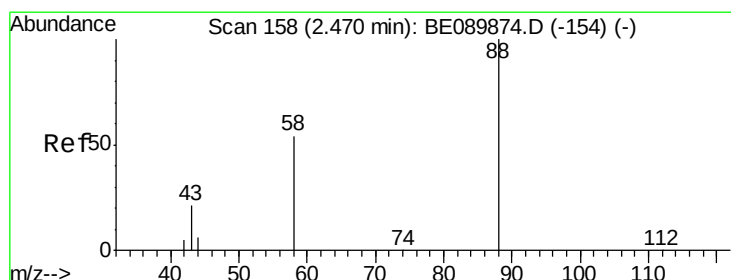
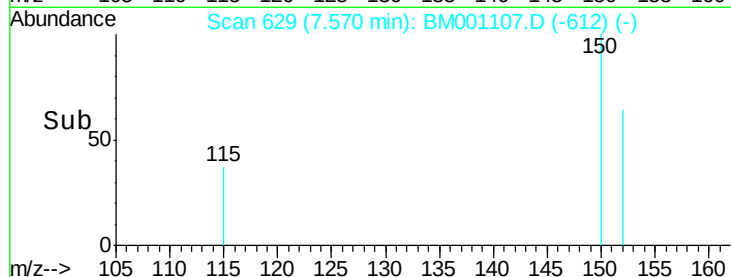
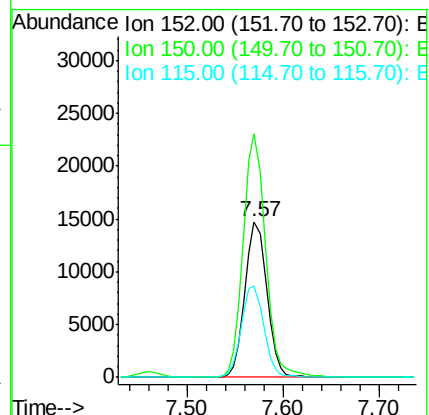
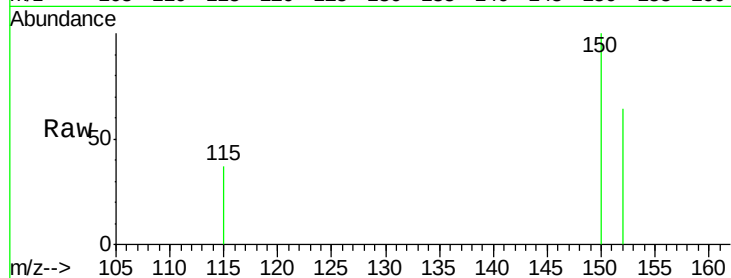
Tot Ion:152 Resp: 22545

Ion Ratio Lower Upper

152 100

150 156.7 123.3 184.9

115 58.5 45.0 67.6



#2

1,4-Dioxane

Concen: 0.93 ng

RT: 3.07 min Scan# 38

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

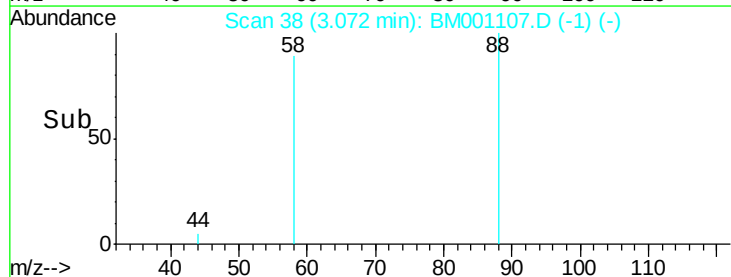
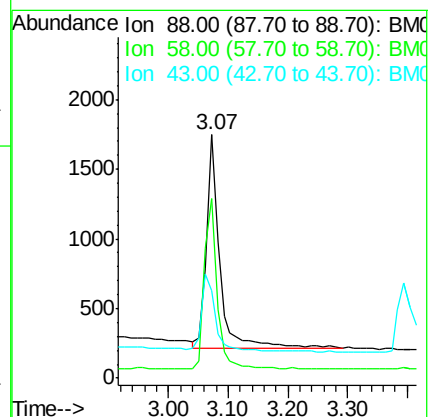
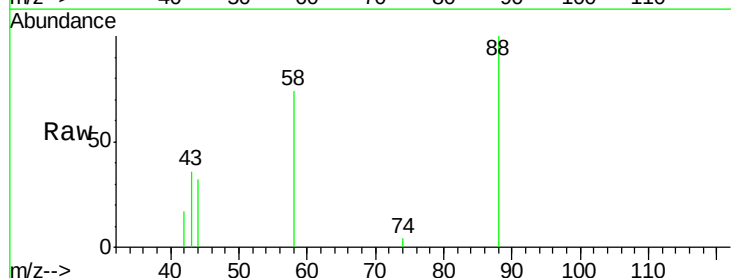
Tgt Ion: 88 Resp: 2353

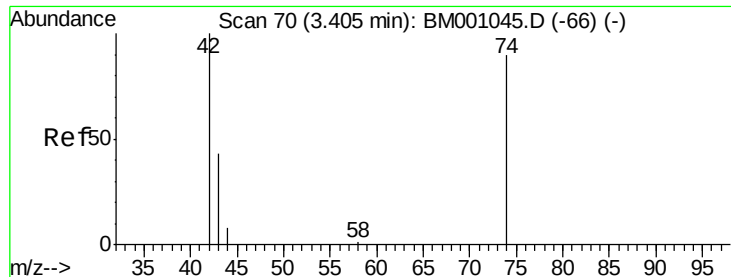
Ion Ratio Lower Upper

88 100

58 75.3 0.0 0.0#

43 42.2 0.0 0.0#



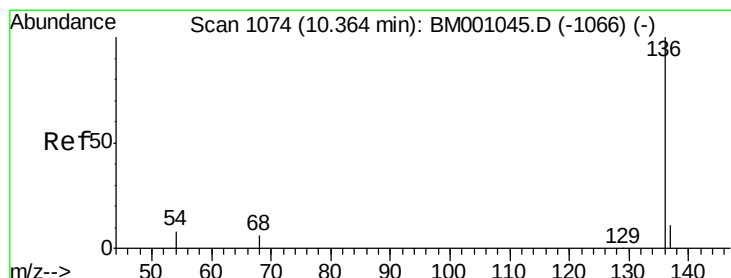
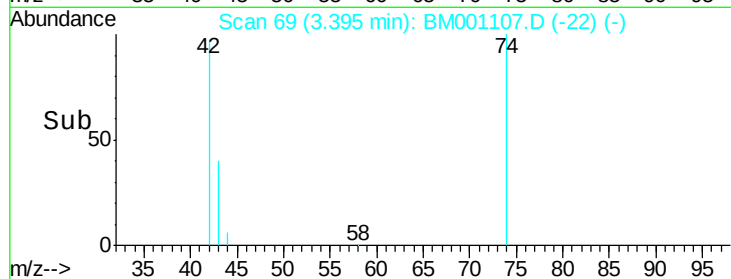
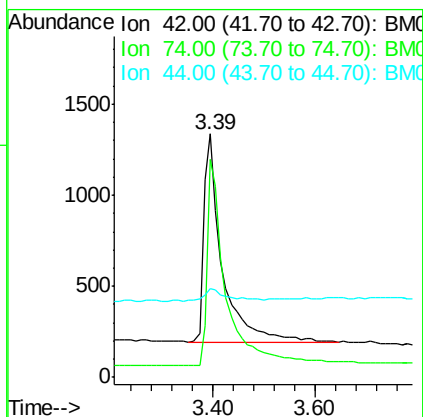
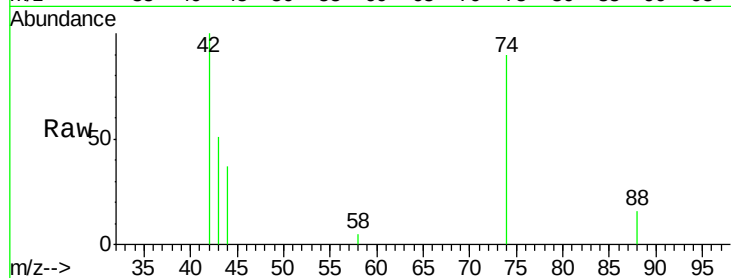


#3

n-Nitrosodimethylamine
Concen: 1.21 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.01 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

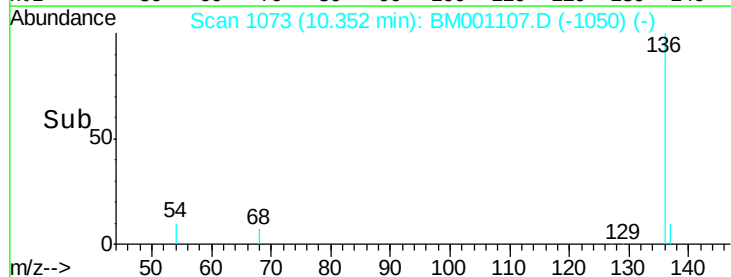
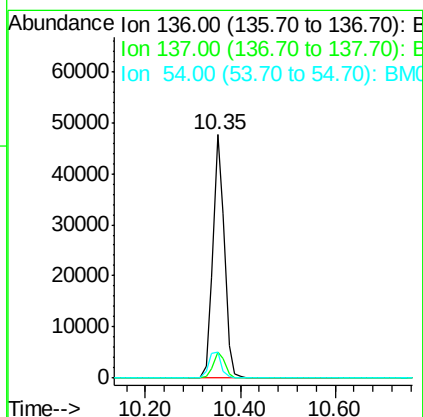
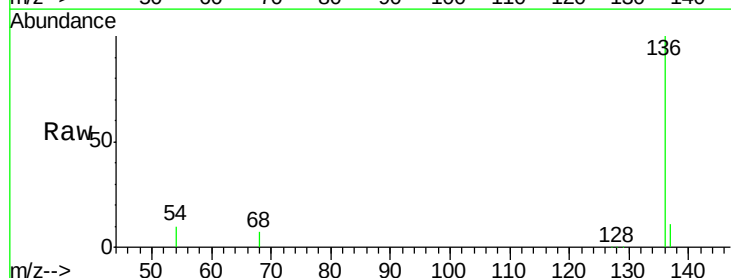
Tot Ion: 42 Resp: 2888
Ion Ratio Lower Upper
42 100
74 106.5 92.1 138.1
44 6.9 5.8 8.6

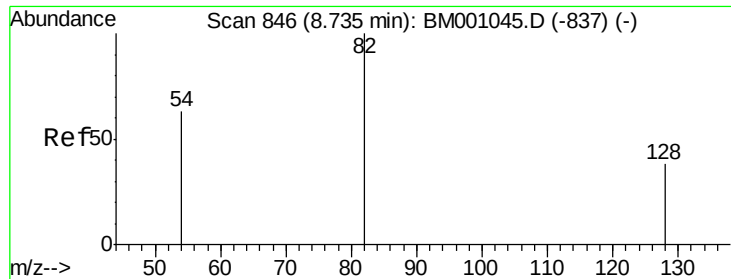


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.35 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

Tgt Ion: 136 Resp: 79418
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 10.4 6.5 9.7#





#5

Nitrobenzene-d5

Concen: 1.22 ng

RT: 8.73 min Scan# 845

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

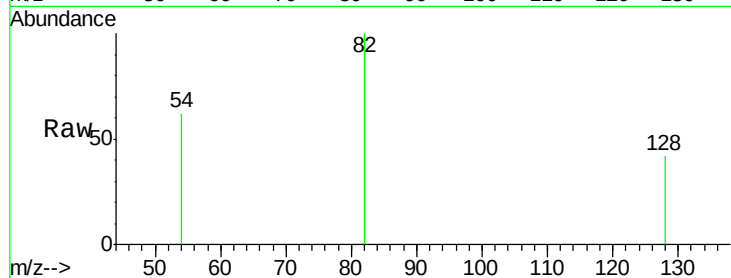
Tot Ion: 82 Resp: 5047

Ion Ratio Lower Upper

82 100

128 41.9 31.9 47.9

54 62.4 51.3 76.9

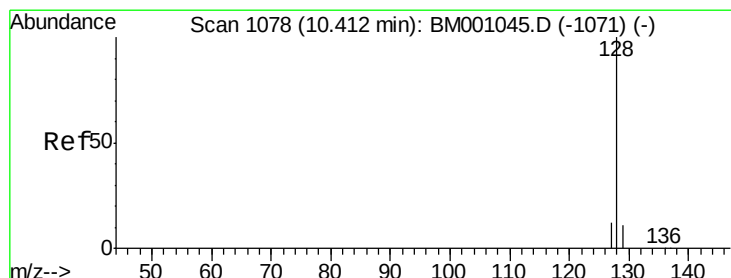
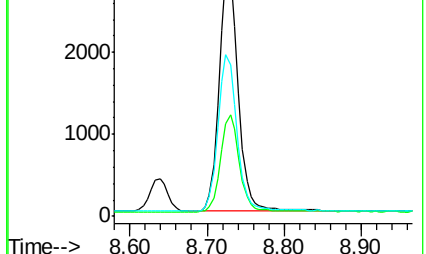
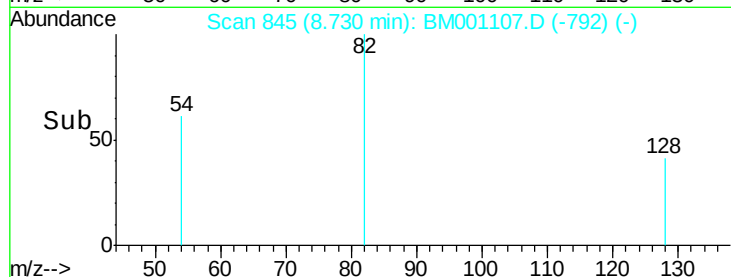


Abundance Ion 82.00 (81.70 to 82.70): BM001107.D (-1053) (-)

Ion 128.00 (127.70 to 128.70): BM001107.D (-1053) (-)

Ion 54.00 (53.70 to 54.70): BM001107.D (-1053) (-)

Time-->



#6

Naphthalene

Concen: 0.98 ng

RT: 10.40 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

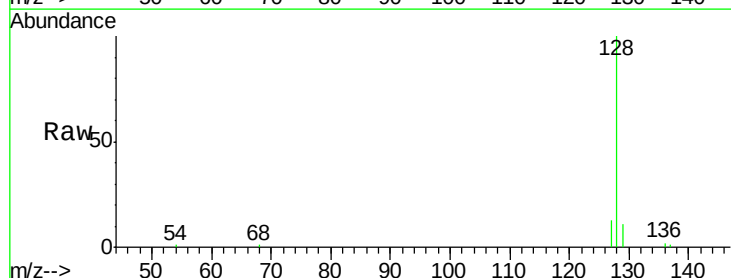
Tgt Ion: 128 Resp: 18489

Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

127 13.1 10.0 15.0

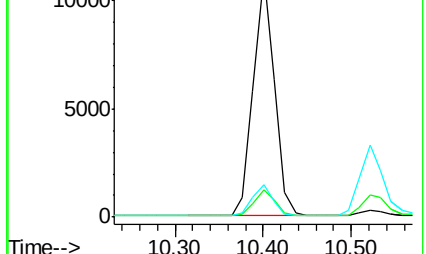
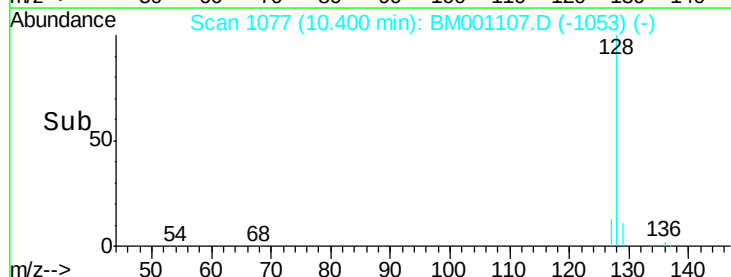


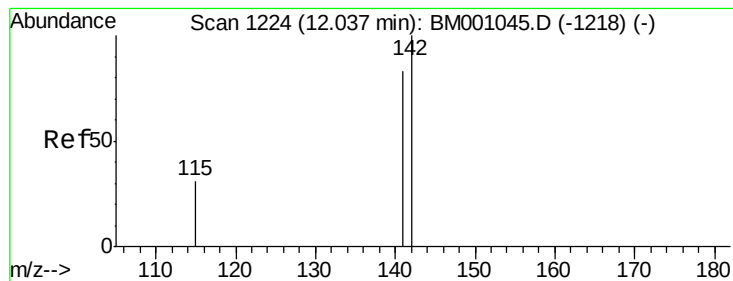
Abundance Ion 128.00 (127.70 to 128.70): BM001107.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001107.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001107.D (-1053) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.97 ng

RT: 12.03 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

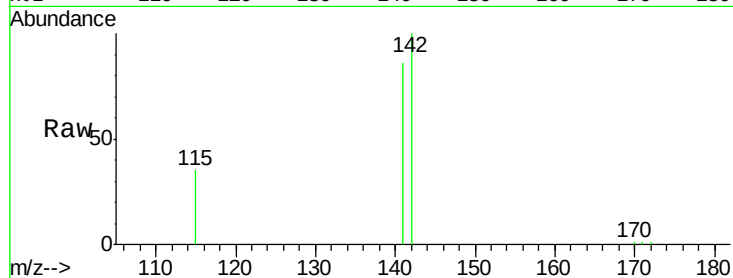
Tot Ion:142 Resp: 11824

Ion Ratio Lower Upper

142 100

141 86.4 66.7 100.1

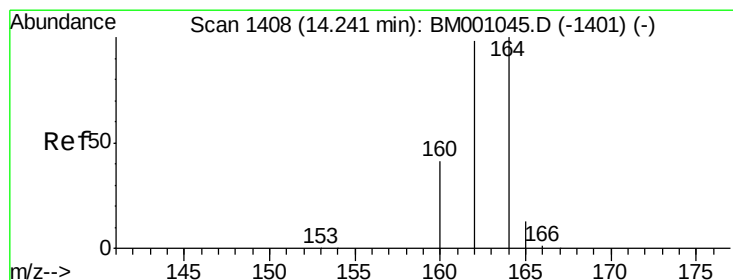
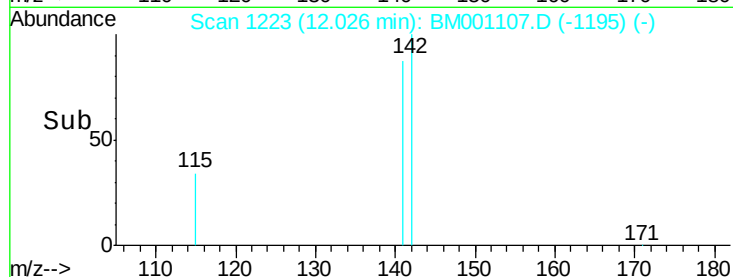
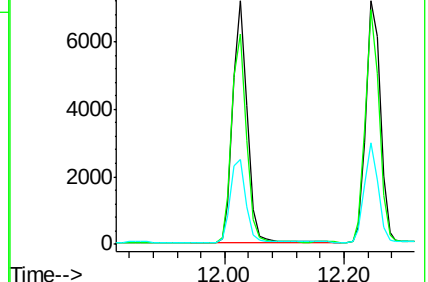
115 34.6 25.5 38.3



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: 14.22 min Scan# 1407

Delta R.T. -0.02 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

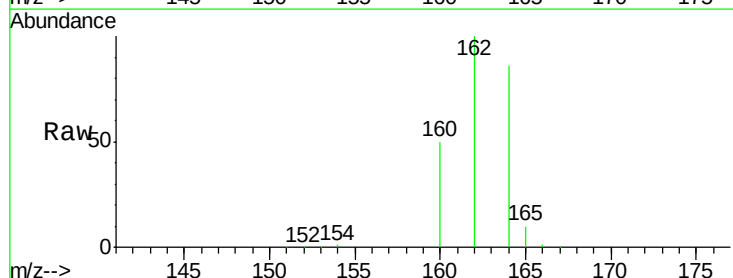
Tgt Ion:164 Resp: 38608

Ion Ratio Lower Upper

164 100

162 116.0 78.5 117.7

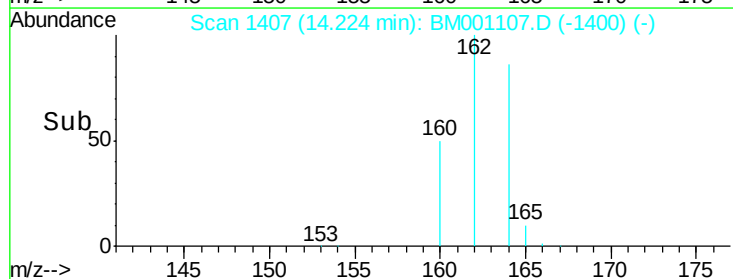
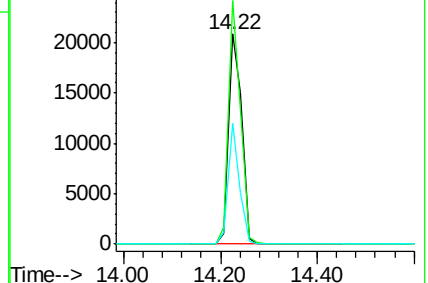
160 57.7 32.9 49.3#

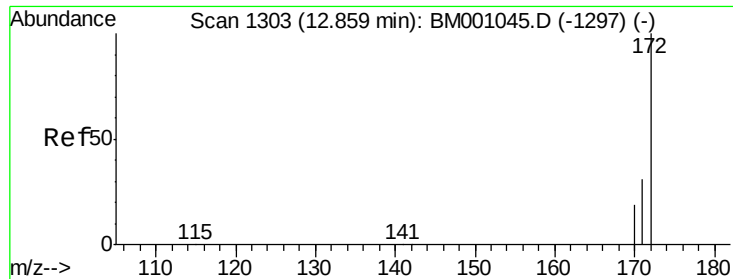


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.00 ng

RT: 12.85 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

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ClientSampleId :

SSTDCCC001

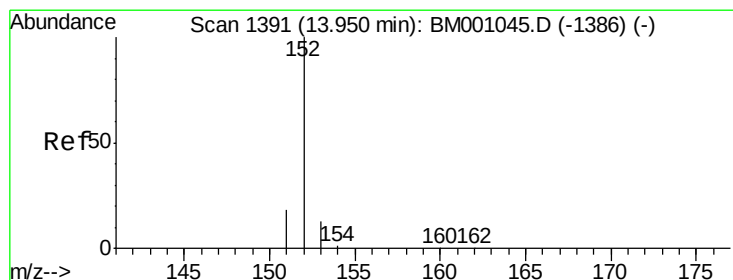
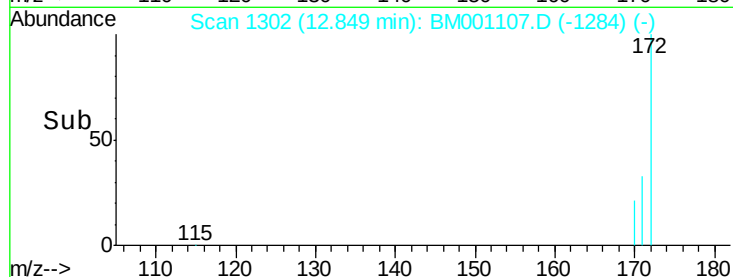
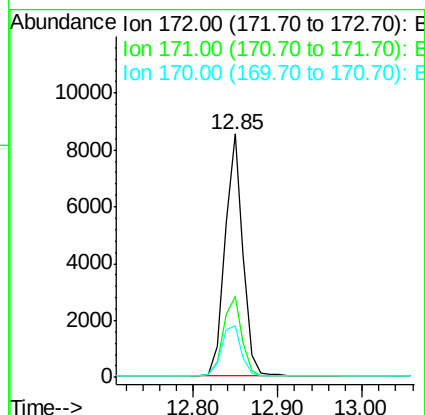
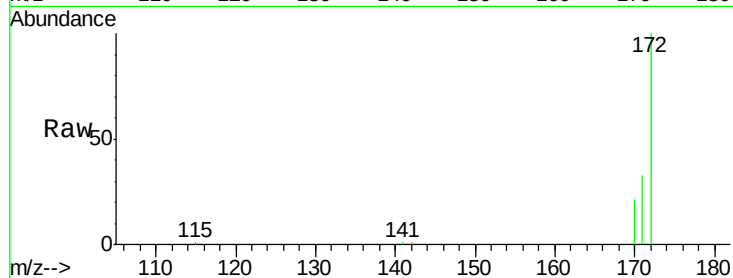
Tot Ion:172 Resp: 12748

Ion Ratio Lower Upper

172 100

171 33.3 25.6 38.4

170 21.2 15.8 23.6



#10

Acenaphthylene

Concen: 1.09 ng

RT: 13.93 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

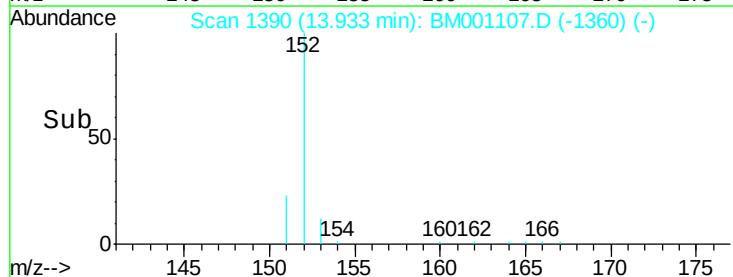
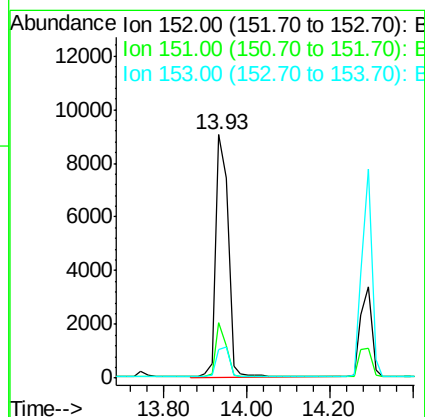
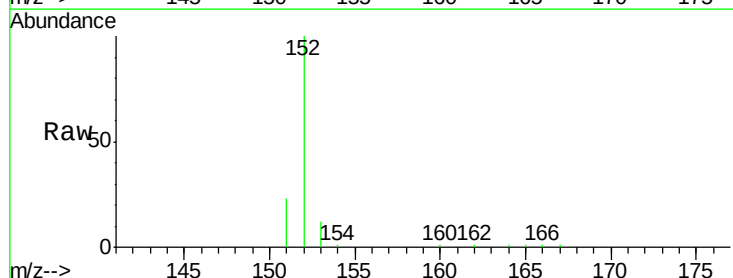
Tgt Ion:152 Resp: 18643

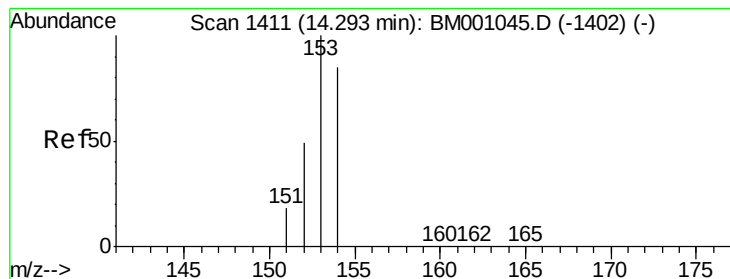
Ion Ratio Lower Upper

152 100

151 19.0 14.7 22.1

153 12.6 10.2 15.2





#11

Acenaphthene

Concen: 0.95 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

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ClientSampleId :

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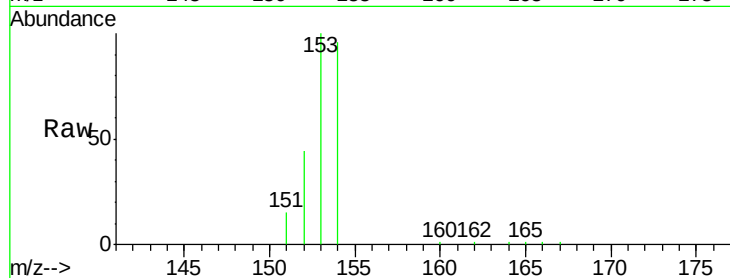
Tot Ion:154 Resp: 11398

Ion Ratio Lower Upper

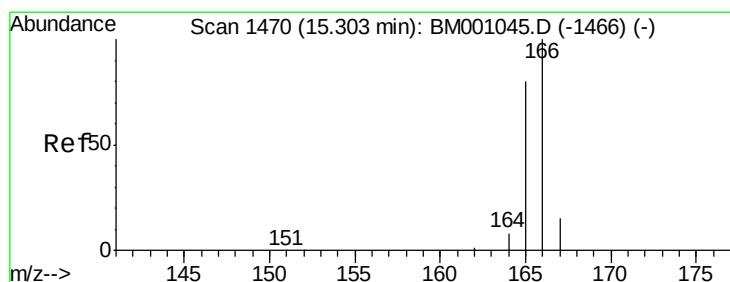
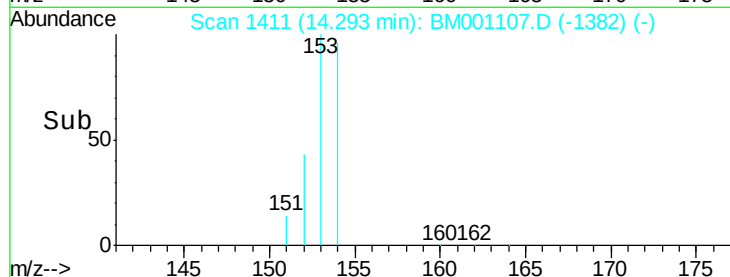
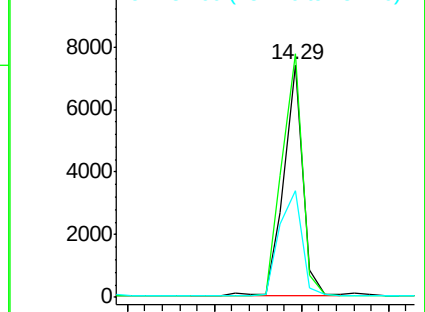
154 100

153 111.4 88.1 132.1

152 53.9 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: 0.99 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

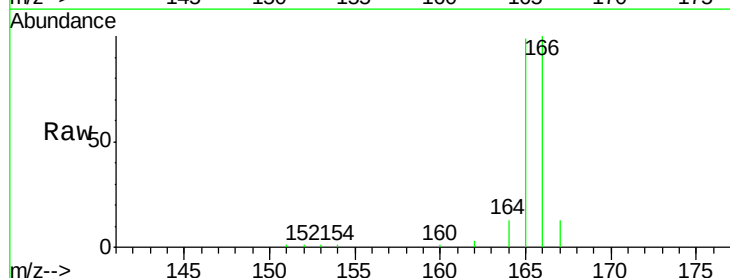
Tgt Ion:166 Resp: 13598

Ion Ratio Lower Upper

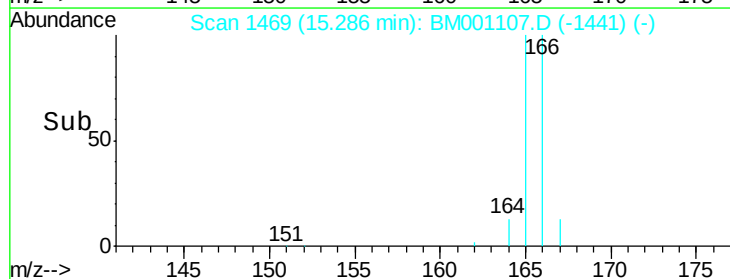
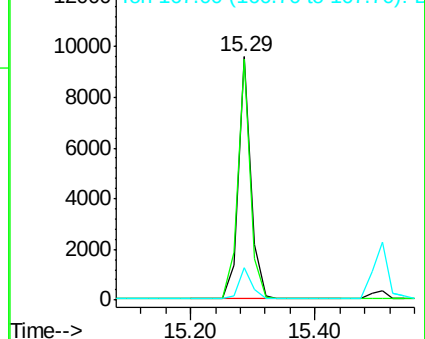
166 100

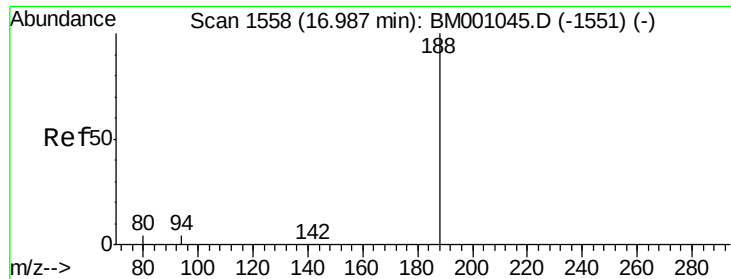
165 98.7 77.6 116.4

167 13.2 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: 16.97 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

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ClientSampleId :

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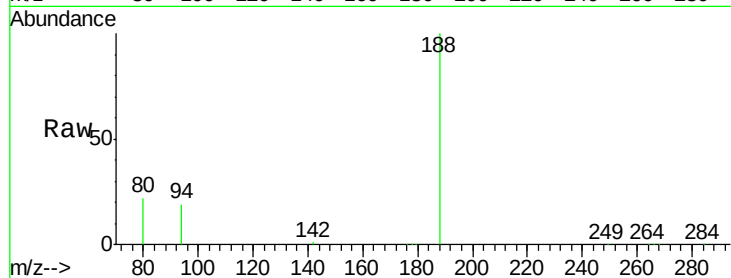
Tot Ion:188 Resp: 76777

Ion Ratio Lower Upper

188 100

94 19.2 3.6 5.4#

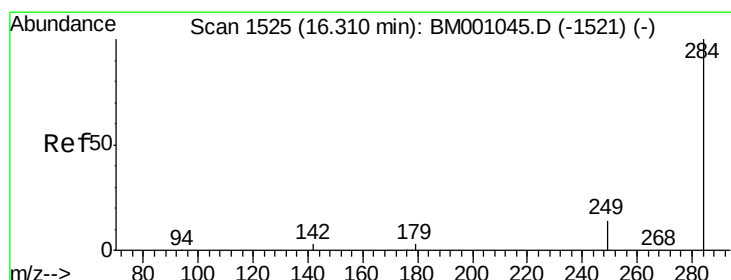
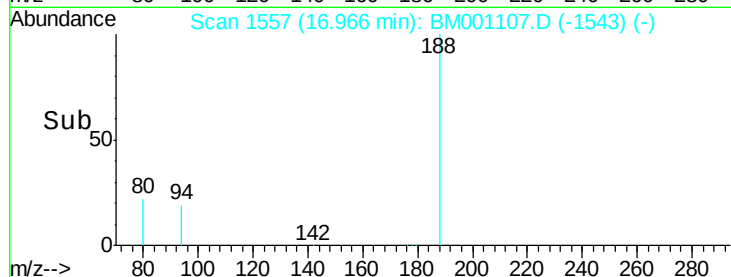
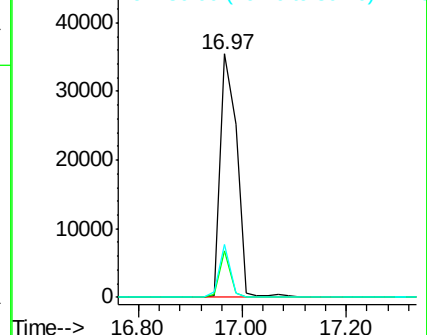
80 21.9 3.0 4.6#



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



#14

Hexachlorobenzene

Concen: 1.03 ng

RT: 16.29 min Scan# 1524

Delta R.T. -0.02 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

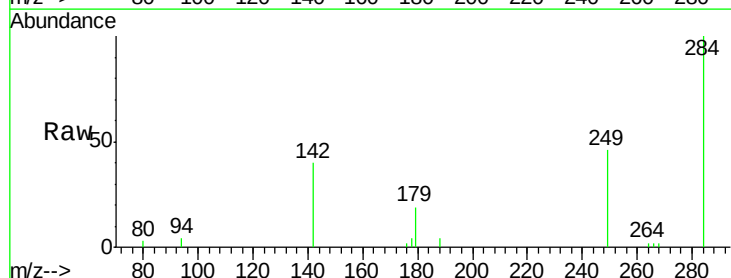
Tgt Ion:284 Resp: 4372

Ion Ratio Lower Upper

284 100

142 40.8 0.0 0.0#

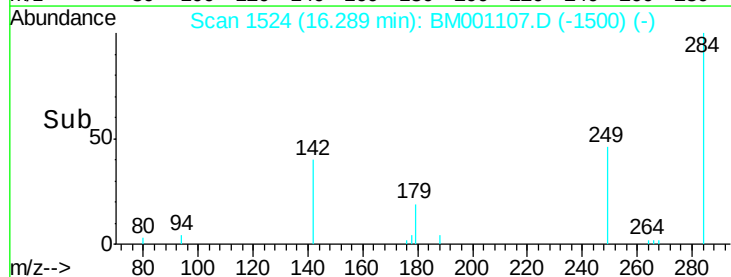
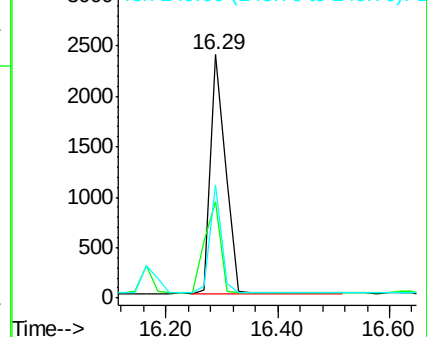
249 34.8 0.0 0.0#

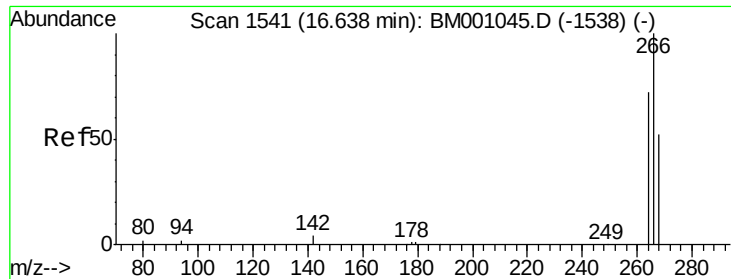


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

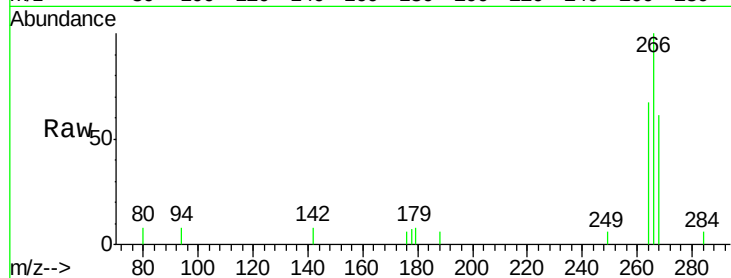




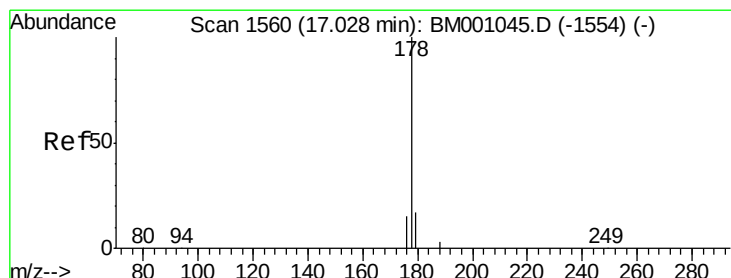
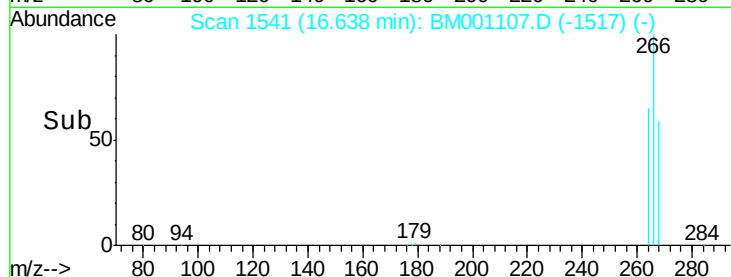
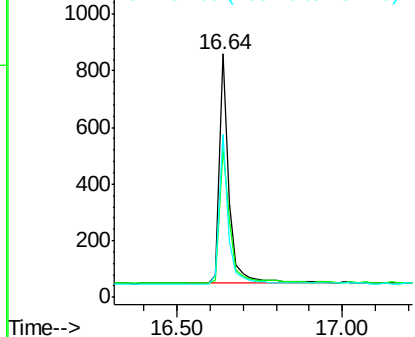
#15
 Pentachlorophenol
 Concen: 1.34 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001107.D
 Acq: 22 Apr 2015 14:19

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tot Ion:266 Resp: 1655
 Ion Ratio Lower Upper
 266 100
 268 61.3 46.3 69.5
 264 67.1 59.8 89.6

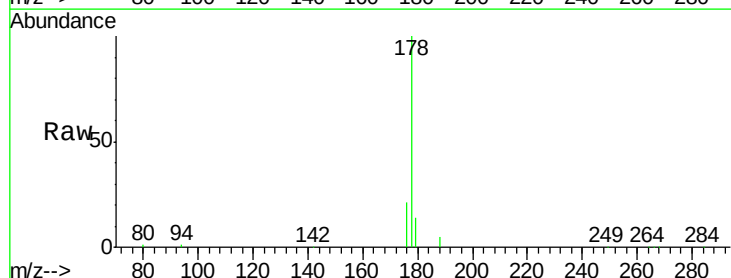


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

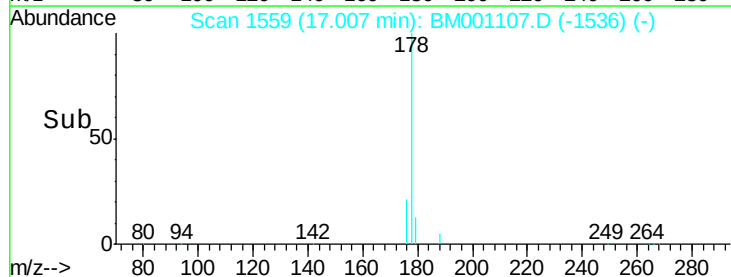
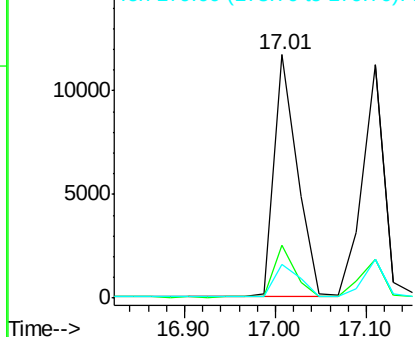


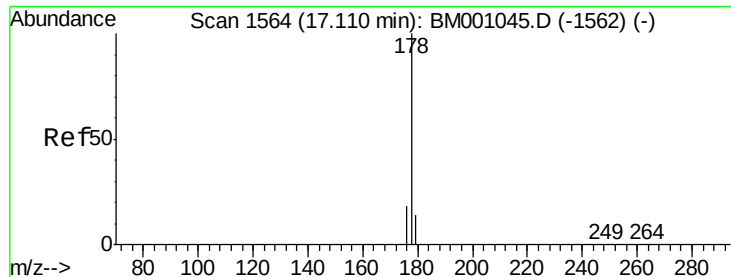
#16
 Phenanthrene
 Concen: 1.02 ng
 RT: 17.01 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BM001107.D
 Acq: 22 Apr 2015 14:19

Tgt Ion:178 Resp: 20810
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 22.0
 179 15.2 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: 1.03 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

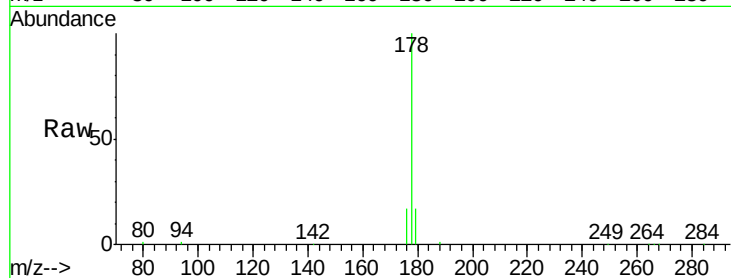
Tot Ion:178 Resp: 19300

Ion Ratio Lower Upper

178 100

176 17.7 14.3 21.5

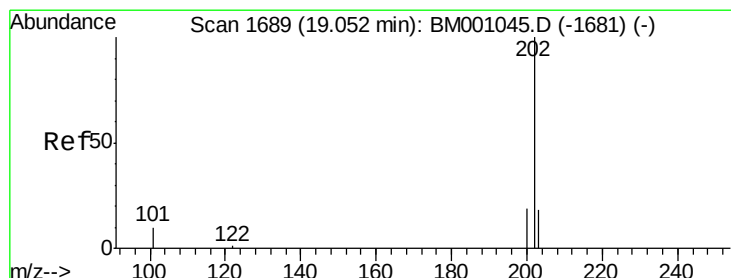
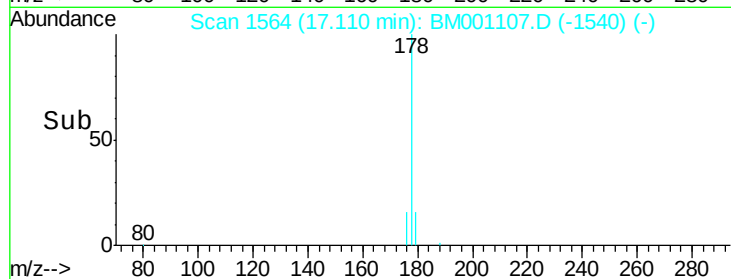
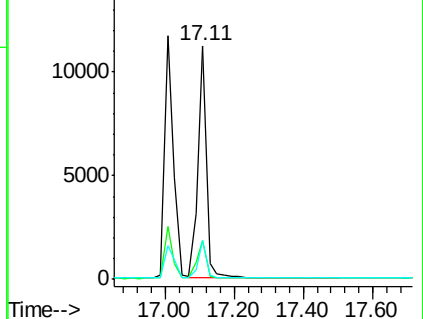
179 15.5 11.8 17.8



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: 19.04 min Scan# 1688

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

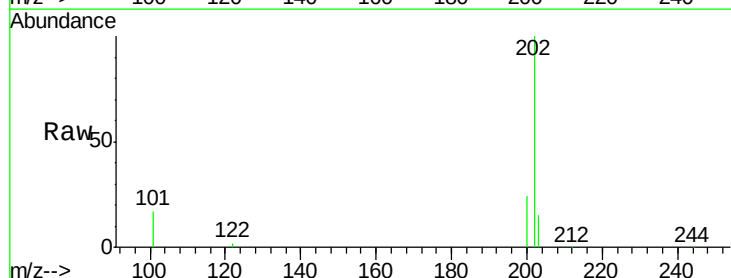
Tgt Ion:202 Resp: 21528

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

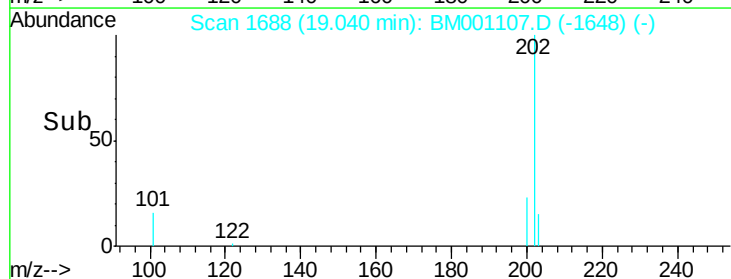
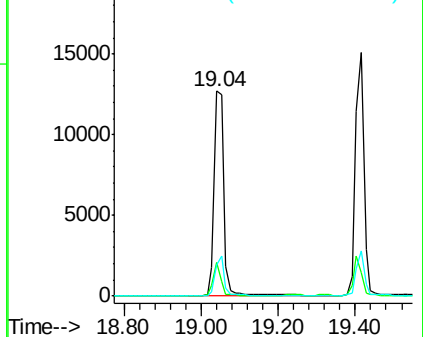
203 17.2 13.8 20.8

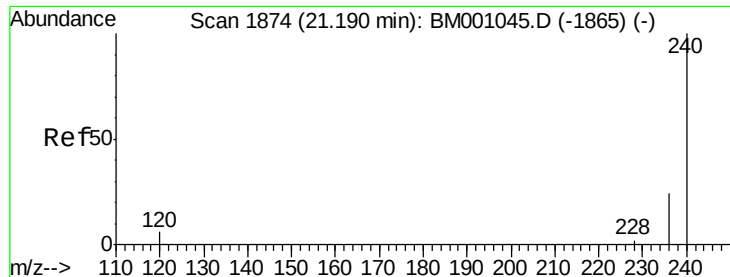


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.18 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

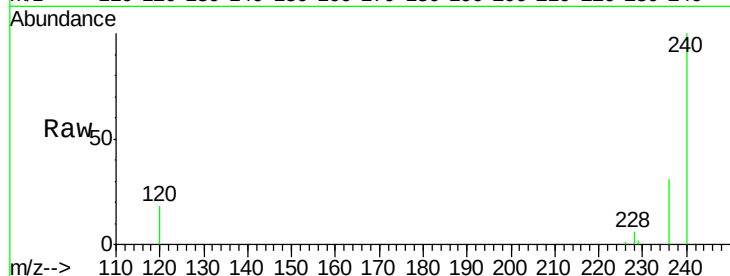
Tot Ion:240 Resp: 65800

Ion Ratio Lower Upper

240 100

120 17.5 4.6 6.8#

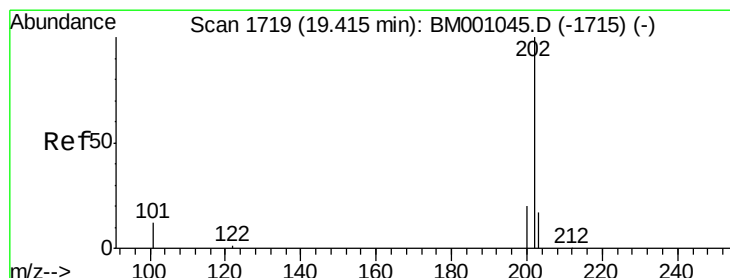
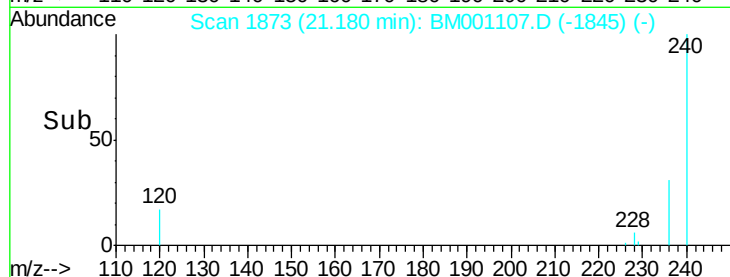
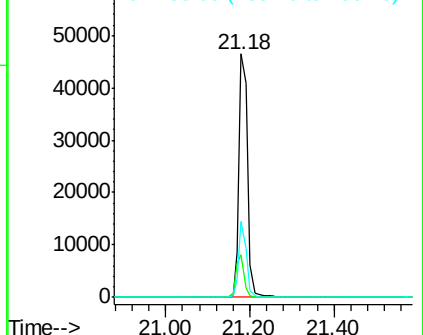
236 31.0 19.1 28.7#



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: 1.04 ng

RT: 19.42 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

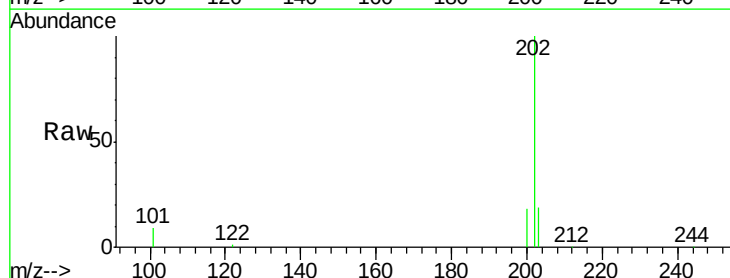
Tgt Ion:202 Resp: 22595

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

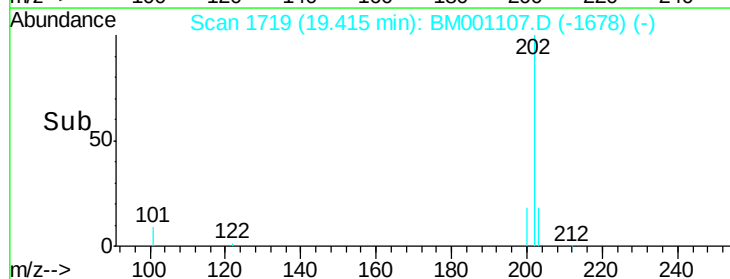
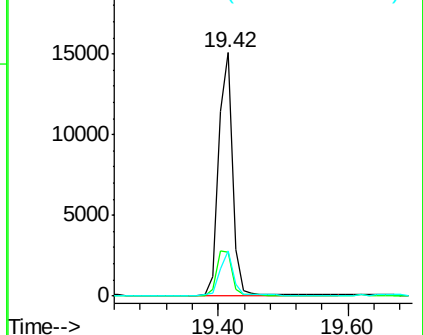
203 17.3 13.8 20.6

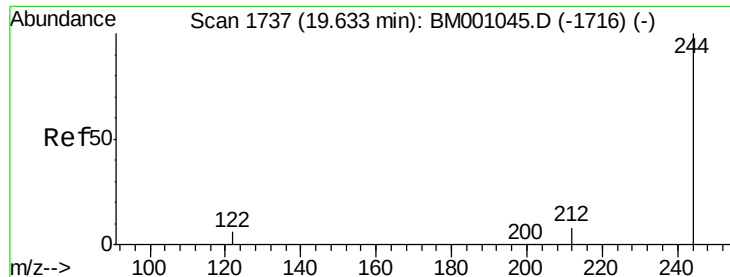


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.01 ng

RT: 19.62 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

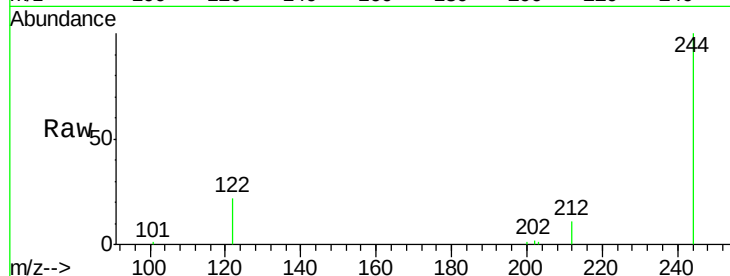
Tot Ion:244 Resp: 8790

Ion Ratio Lower Upper

244 100

212 11.0 7.1 10.7#

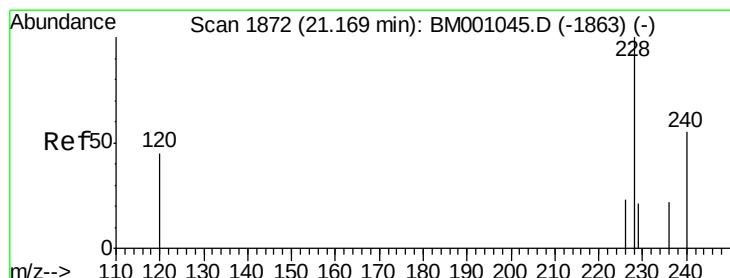
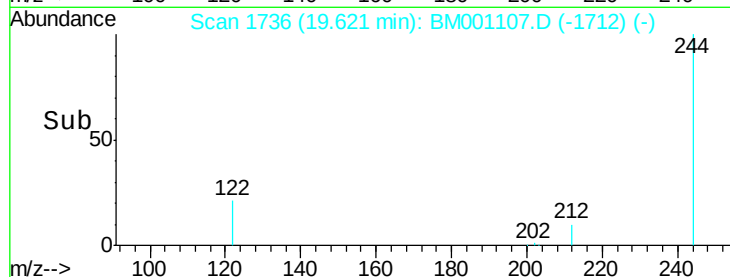
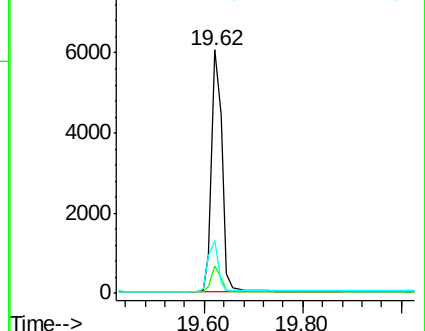
122 21.8 5.9 8.9#



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: 1.05 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

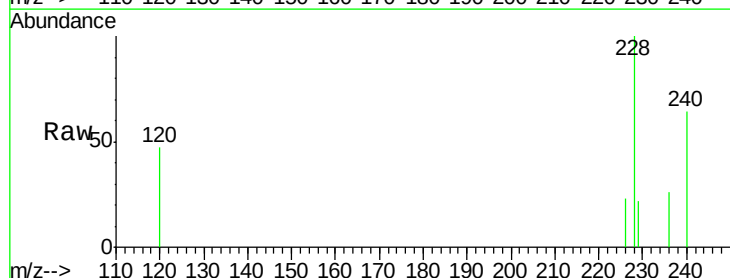
Tgt Ion:228 Resp: 20111

Ion Ratio Lower Upper

228 100

226 22.9 19.0 28.6

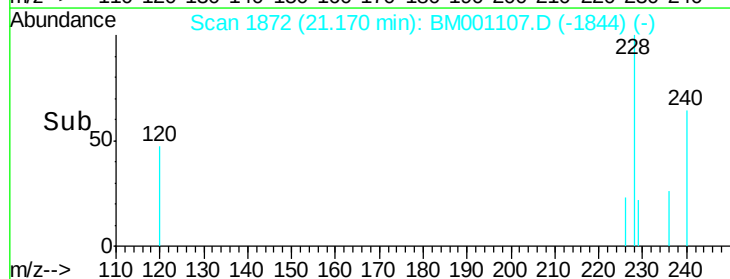
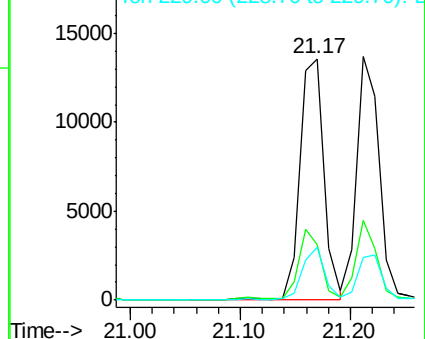
229 21.9 16.8 25.2

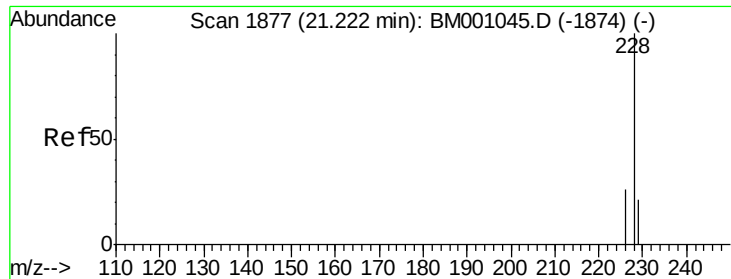


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.96 ng/mL

RT: 21.21 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument:

BNA_M

ClientSampleID:

SSTDCCC001

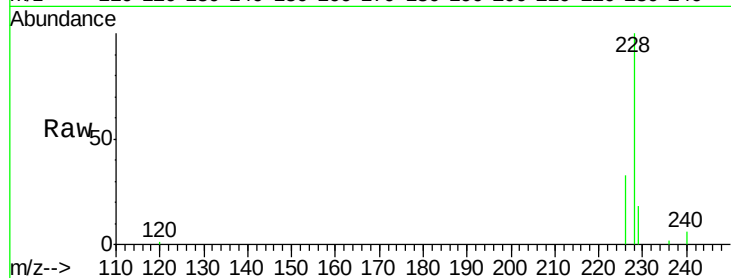
Tot Ion: 228 Resp: 19248

Ion Ratio Lower Upper

228 100

226 32.5 20.6 31.0#

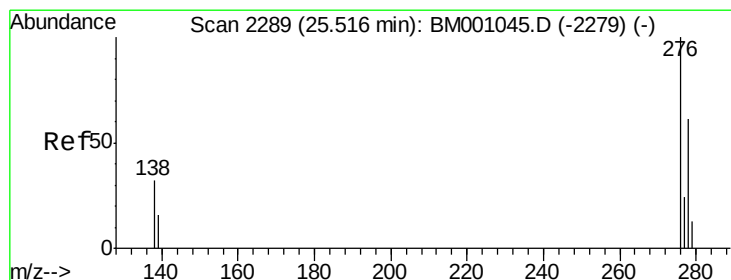
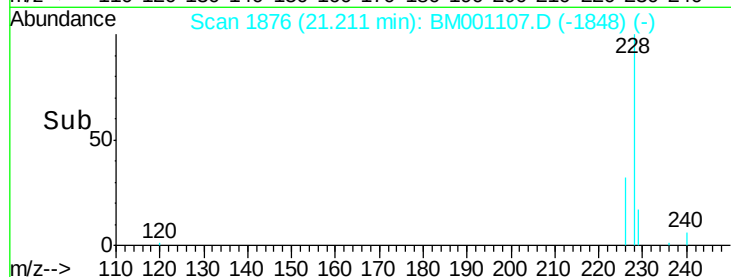
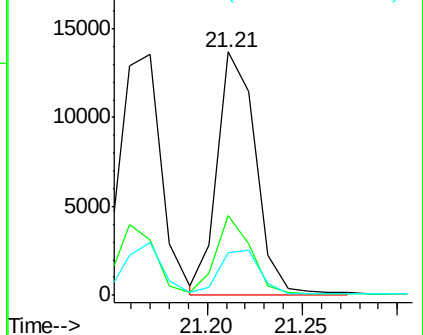
229 17.7 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.14 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

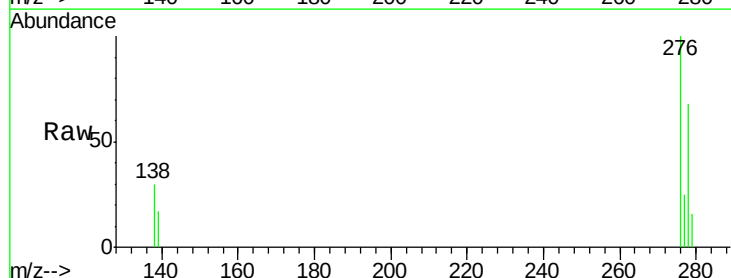
Tgt Ion: 276 Resp: 23441

Ion Ratio Lower Upper

276 100

138 31.3 26.3 39.5

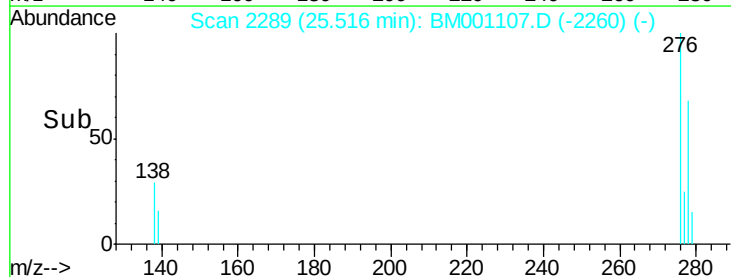
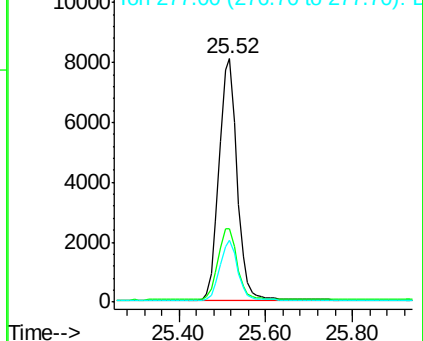
277 24.6 19.5 29.3

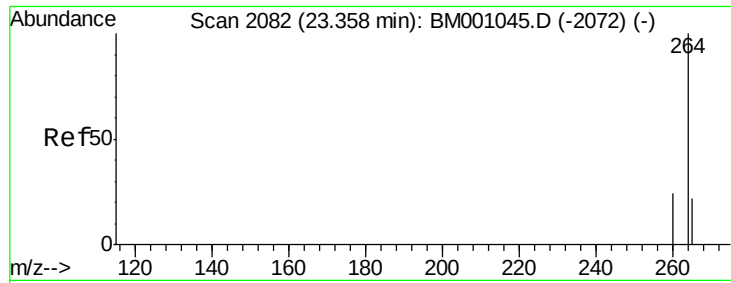


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

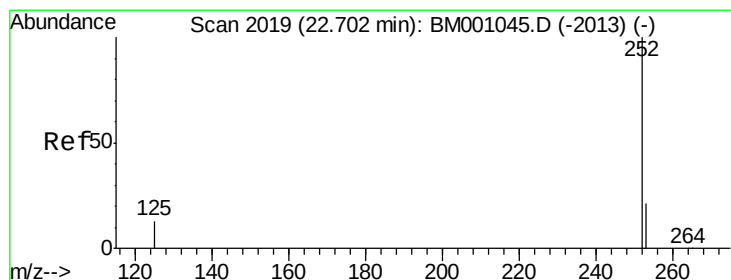
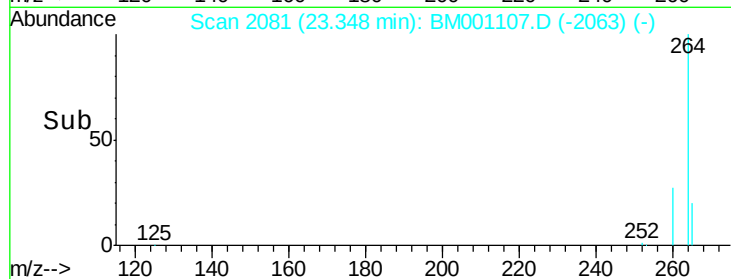
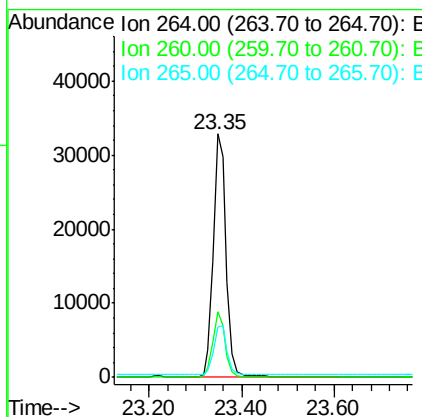
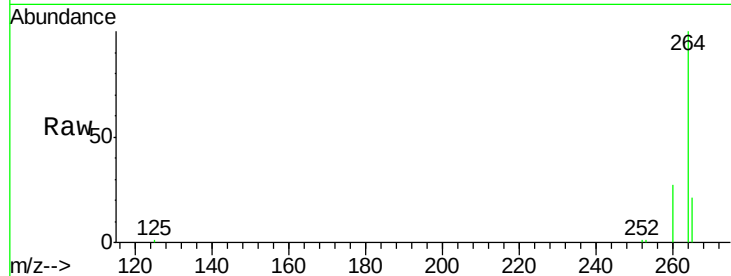




#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

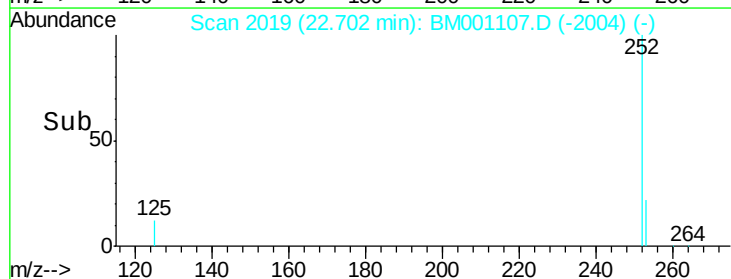
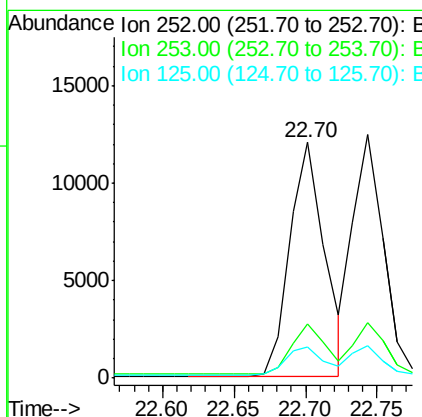
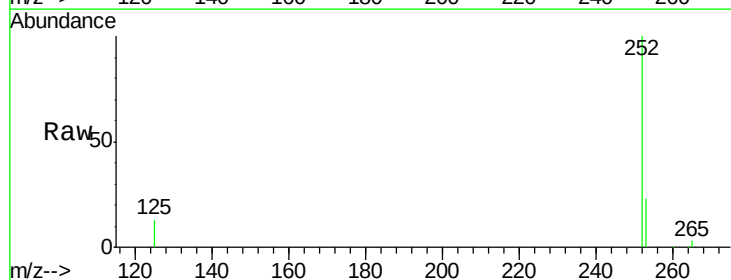
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

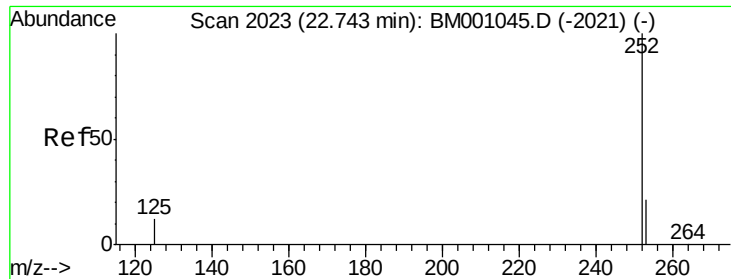
Tot Ion:264 Resp: 62803
Ion Ratio Lower Upper
264 100
260 26.8 19.0 28.6
265 20.5 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 1.01 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

Tgt Ion:252 Resp: 20317
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 13.3 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 0.98 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

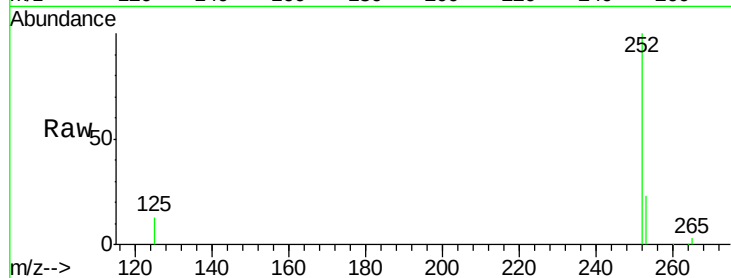
Tot Ion:252 Resp: 19008

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

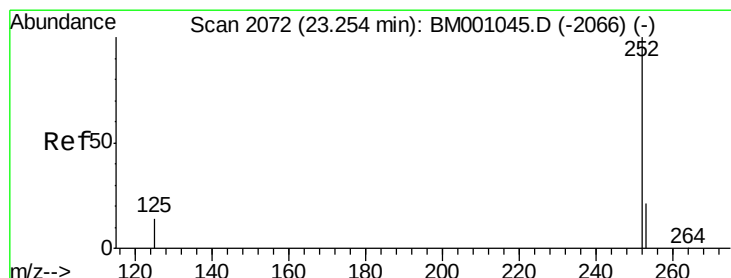
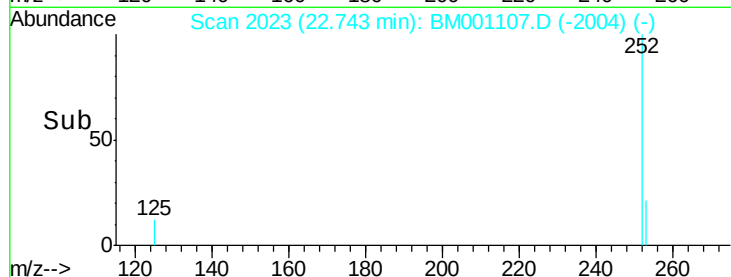
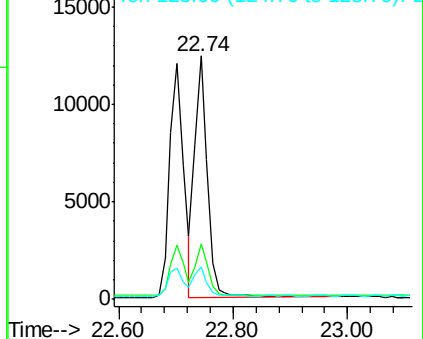
125 13.2 10.6 15.8



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: 1.07 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001107.D

Acq: 22 Apr 2015 14:19

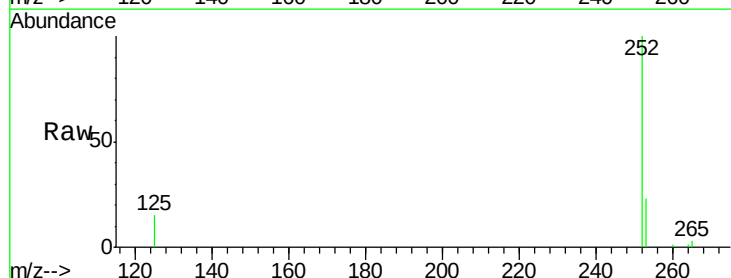
Tgt Ion:252 Resp: 18405

Ion Ratio Lower Upper

252 100

253 23.5 18.6 27.8

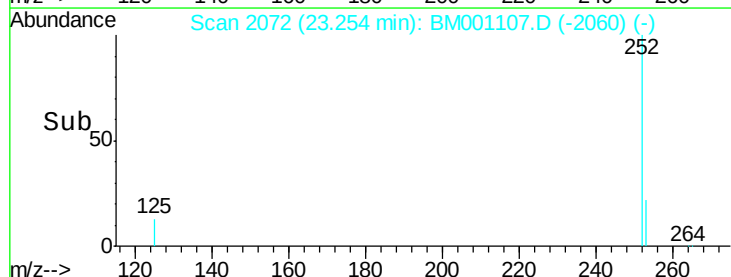
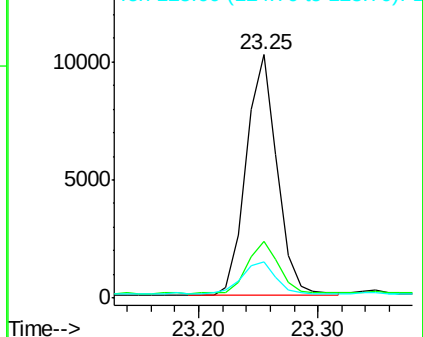
125 14.8 11.9 17.9

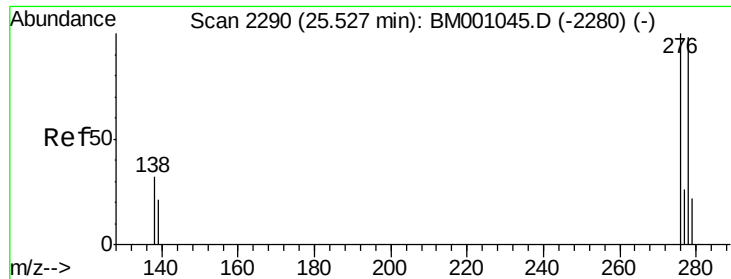


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



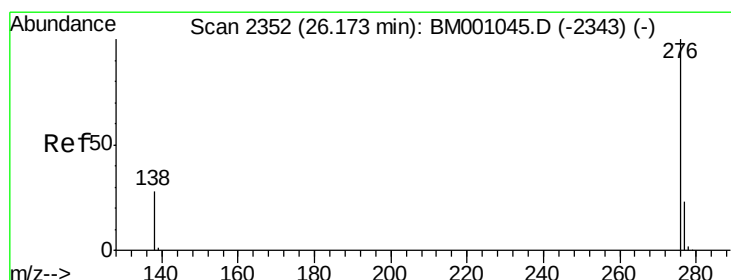
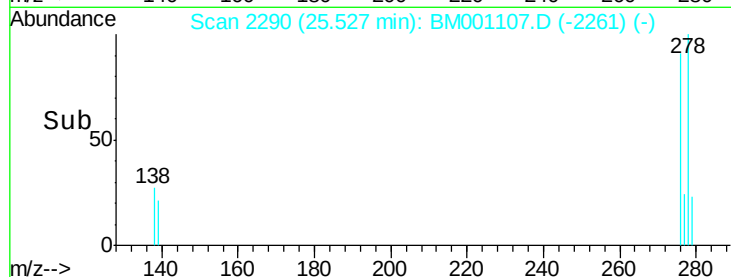
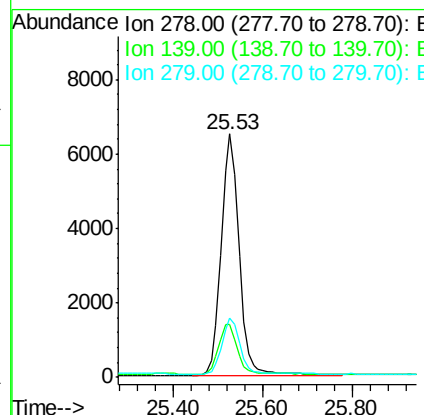
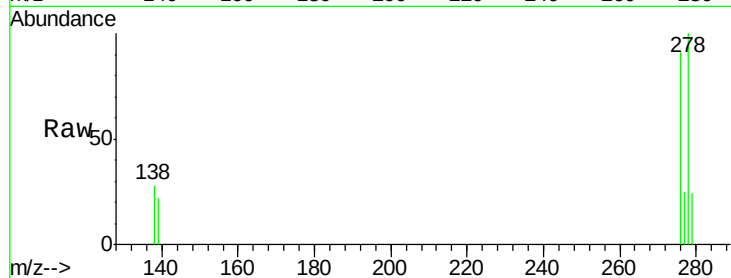


#29
Dibenzo(a,h)anthracene
Concen: 1.06 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion:278 Resp: 18115

Ion	Ratio	Lower	Upper
278	100		
139	21.8	18.2	27.2
279	24.3	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 1.06 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001107.D
Acq: 22 Apr 2015 14:19

Tgt Ion:276 Resp: 19564

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	27.6	23.4	35.2

