

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002651.D
 Acq On : 03 Sep 2015 17:00
 Operator : UM/IZ
 Sample : MDL-01-W
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Quant Time: Sep 04 04:14:14 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 03 14:33:37 2015
 Response via : Initial Calibration

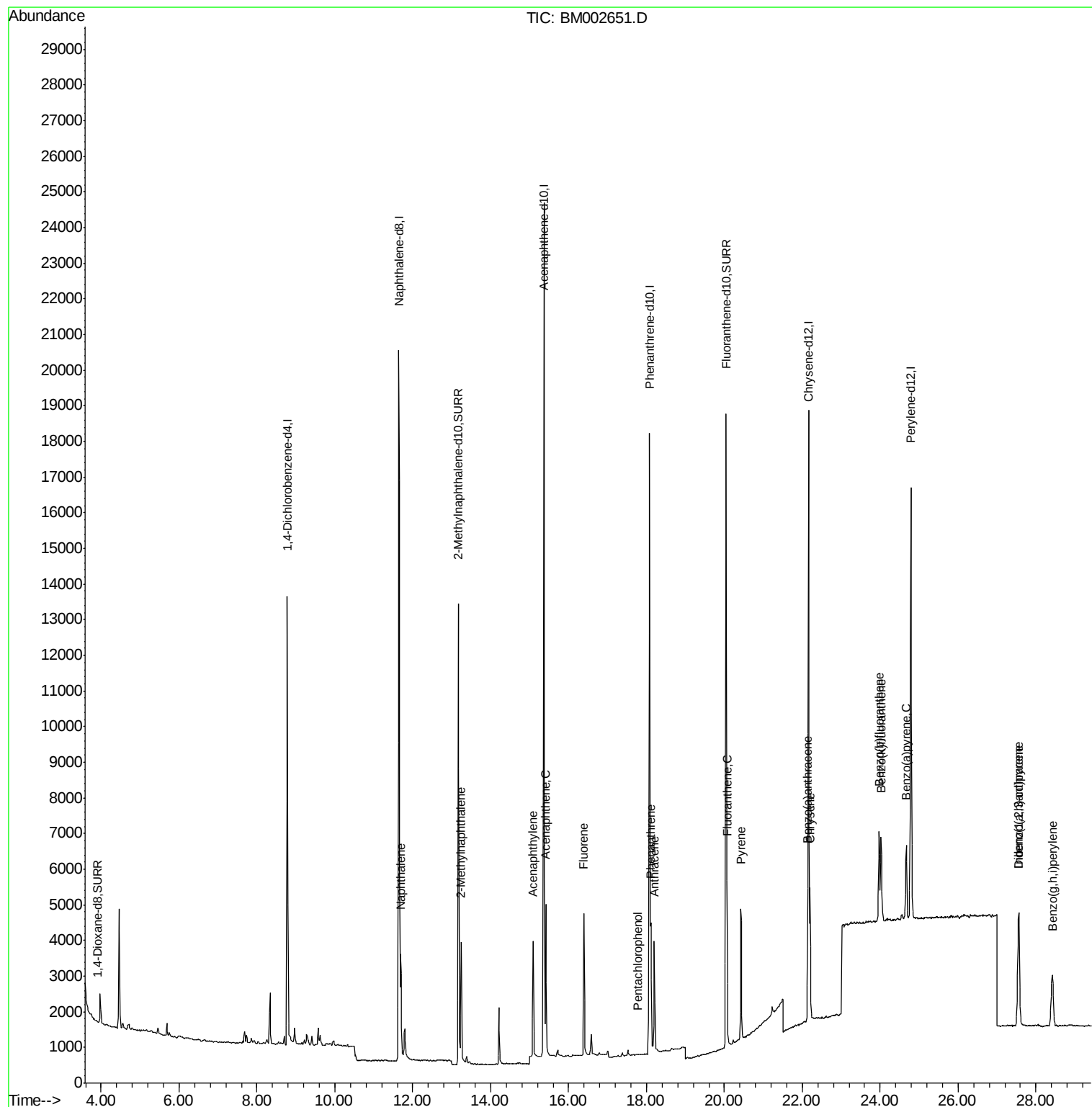
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7597	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	32111	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	14548	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	26099	0.40	ng/ul	0.00
18) Chrysene-d12	22.17	240	19261	0.40	ng/ul	0.01
22) Perylene-d12	24.78	264	18967	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.90	96	22	0.00	ng/uL	0.08
6) 2-Methylnaphthalene-d10	13.17	152	17068	0.40	ng/ul	0.00
16) Fluoranthene-d10	20.05	212	22783	0.38	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.69	128	4187	0.05	ng/ul	96
7) 2-Methylnaphthalene	13.25	142	3371	0.06	ng/ul	94
9) Acenaphthylene	15.09	152	3908	0.05	ng/ul	97
10) Acenaphthene	15.42	153	2769	0.05	ng/ul	99
11) Fluorene	16.39	166	2972	0.05	ng/ul	94
13) Pentachlorophenol	17.78	266	19	0.01	ng/ul#	16
14) Phenanthrene	18.11	178	4119	0.05	ng/ul	94
15) Anthracene	18.20	178	3935	0.05	ng/ul	95
17) Fluoranthene	20.07	202	4217	0.05	ng/ul	91
19) Pyrene	20.42	202	4205	0.06	ng/ul#	86
20) Benzo(a)anthracene	22.14	228	3626	0.06	ng/ul#	82
21) Chrysene	22.20	228	3588	0.06	ng/ul#	87
23) Benzo(b)fluoranthene	23.97	252	4087	0.06	ng/ul#	42
24) Benzo(k)fluoranthene	24.02	252	3320	0.05	ng/ul#	39
25) Benzo(a)pyrene	24.67	252	3449	0.06	ng/ul#	37
26) Indeno(1,2,3-cd)pyrene	27.56	276	4108	0.06	ng/ul	98
27) Dibenzo(a,h)anthracene	27.56	278	3395	0.06	ng/ul#	57
28) Benzo(a,h,i)perylene	28.42	276	3516	0.06	ng/ul#	66

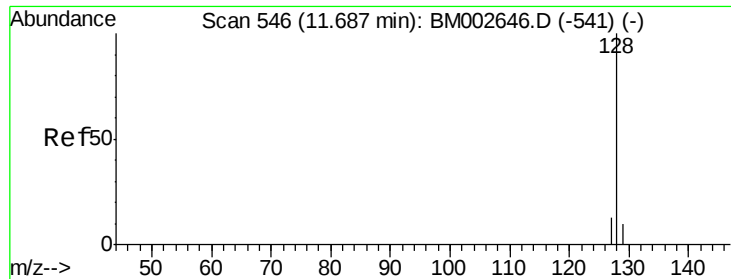
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
Data File : BM002651.D
Acq On : 03 Sep 2015 17:00
Operator : UM/IZ
Sample : MDL-01-W
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Quant Time: Sep 04 04:14:14 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 03 14:33:37 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

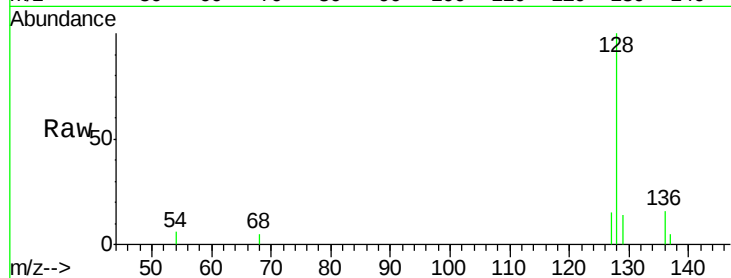
Tot Ion:128 Resp: 4187

Ion Ratio Lower Upper

128 100

129 14.0 9.8 14.8

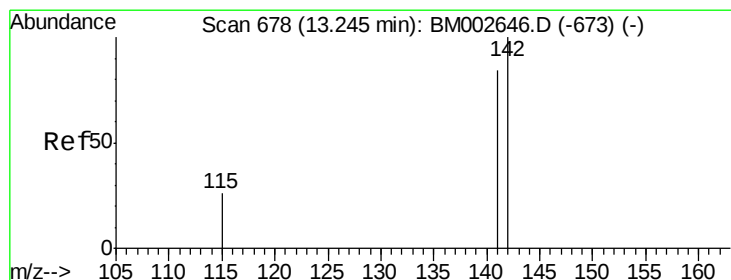
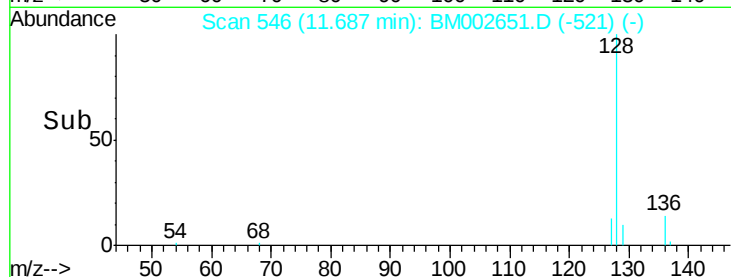
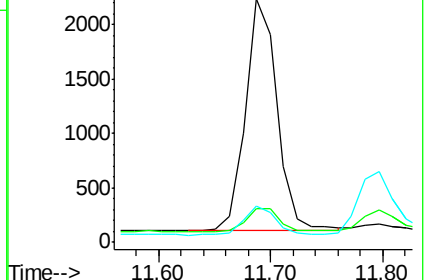
127 15.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 13.25 min Scan# 678

Delta R.T. -0.00 min

Lab File: BM002651.D

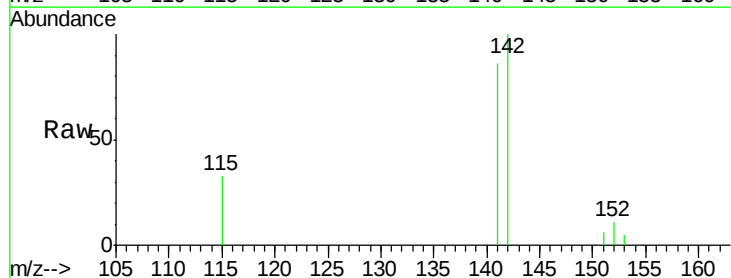
Acq: 03 Sep 2015 17:00

Tgt Ion:142 Resp: 3371

Ion Ratio Lower Upper

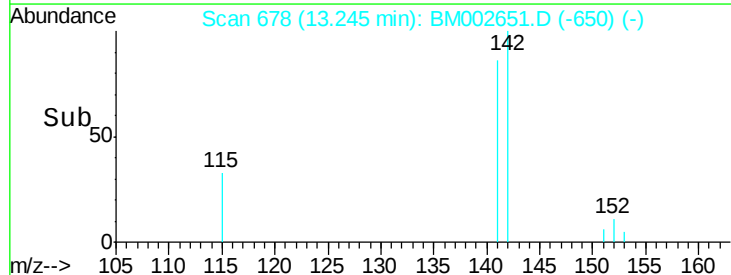
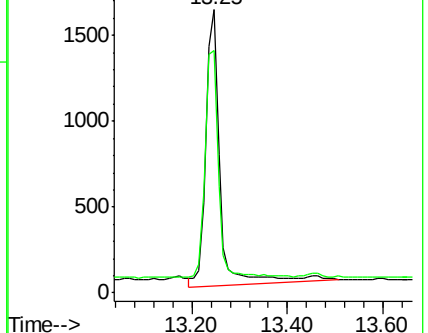
142 100

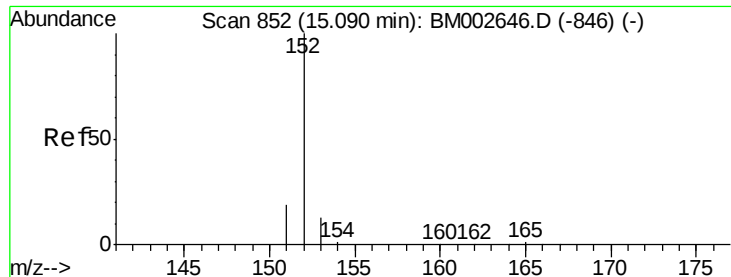
141 93.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. -0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

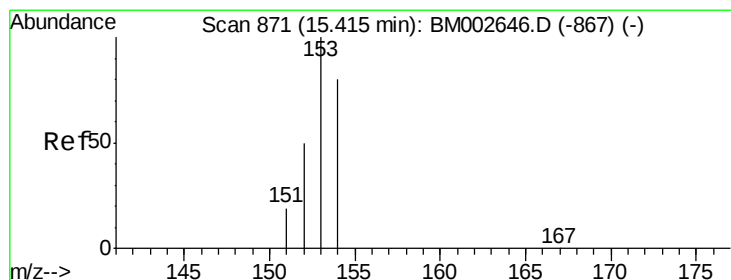
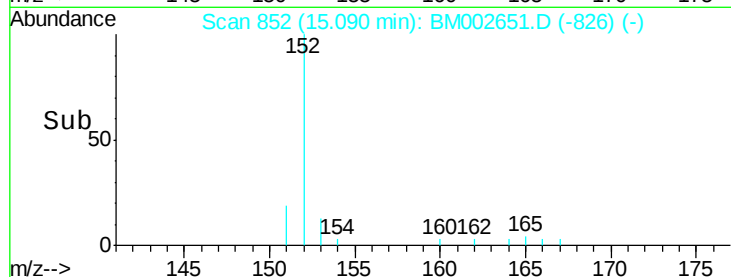
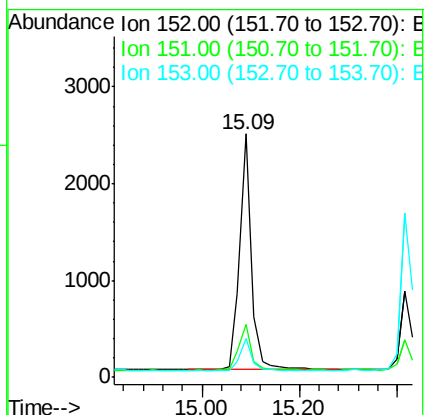
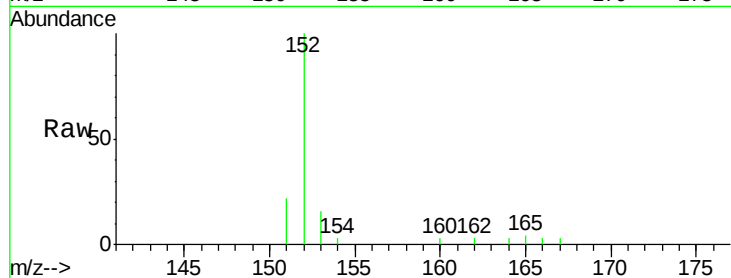
Tot Ion:152 Resp: 3908

Ion Ratio Lower Upper

152 100

151 21.7 16.8 25.2

153 15.8 11.3 16.9



#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

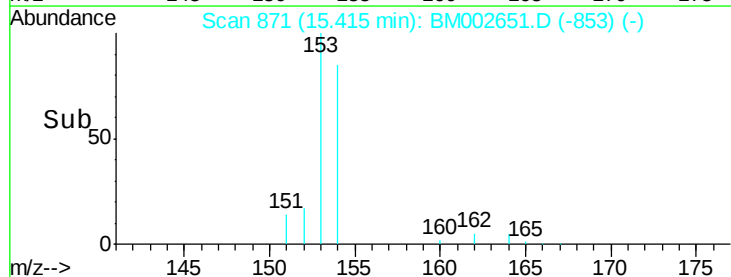
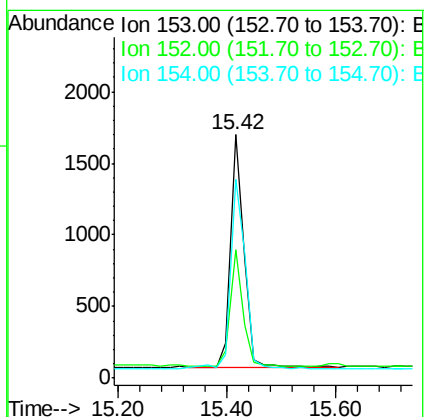
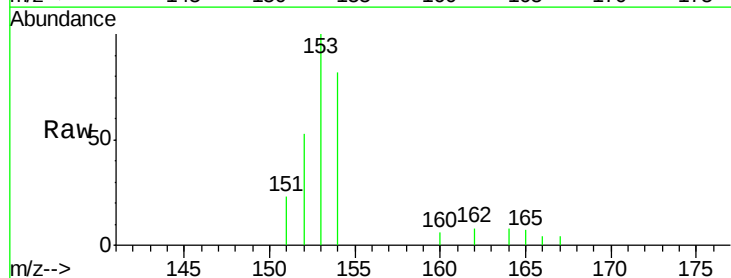
Tgt Ion:153 Resp: 2769

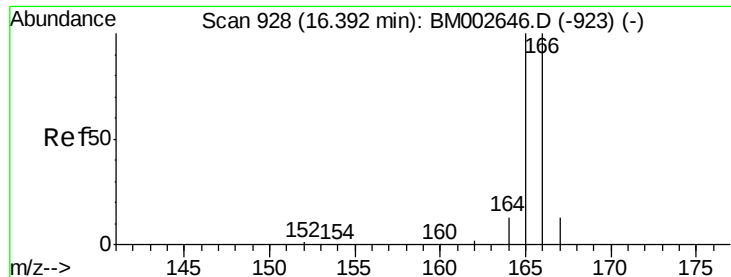
Ion Ratio Lower Upper

153 100

152 52.7 42.3 63.5

154 81.8 64.7 97.1

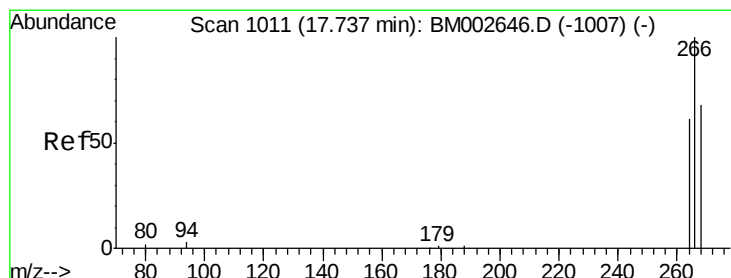
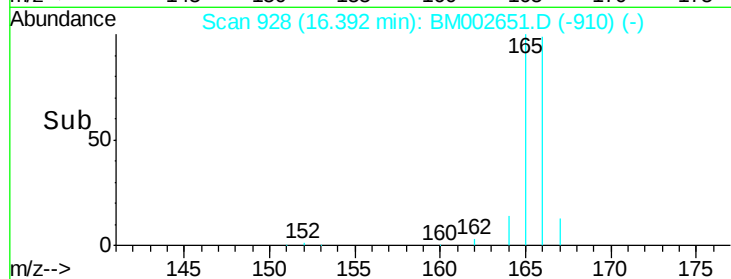
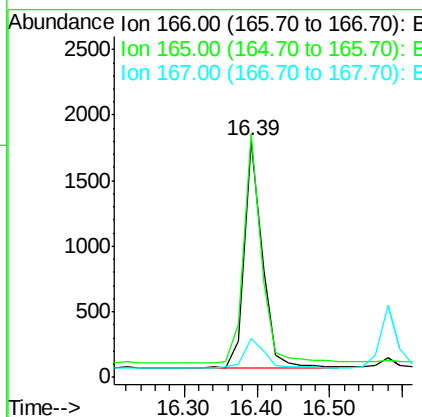
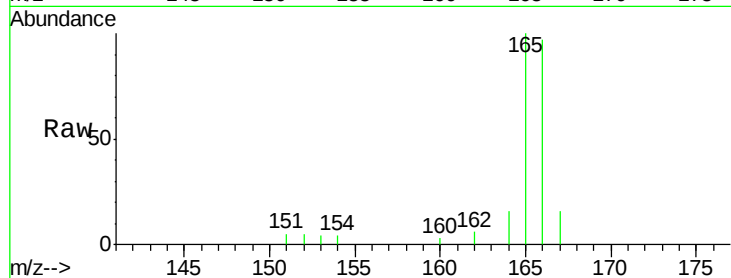




#11
 Fluorene
 Concen: 0.05 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002651.D
 Acq: 03 Sep 2015 17:00

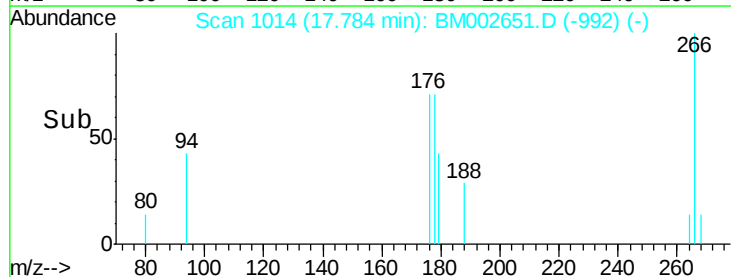
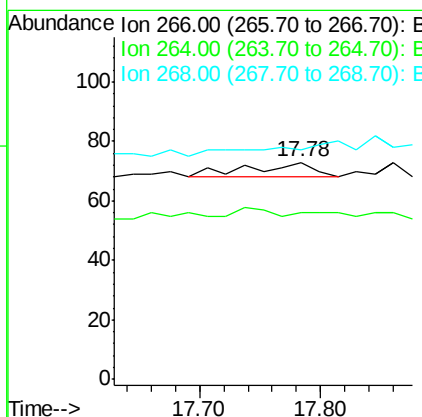
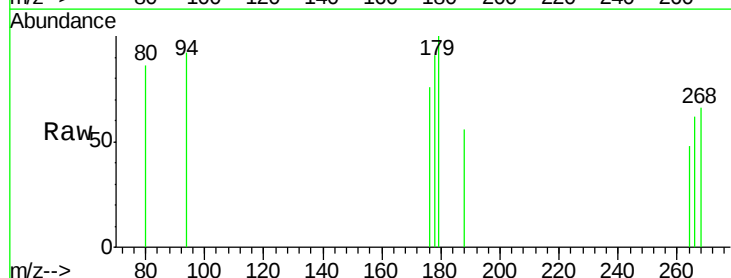
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

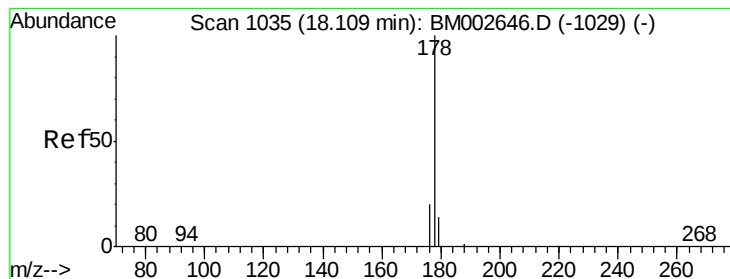
Tot Ion:166 Resp: 2972
 Ion Ratio Lower Upper
 166 100
 165 103.1 87.6 131.4
 167 16.5 11.1 16.7



#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.78 min Scan# 1014
 Delta R.T. 0.05 min
 Lab File: BM002651.D
 Acq: 03 Sep 2015 17:00

Tgt Ion:266 Resp: 19
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#





#14

Phenanthrene

Concen: 0.05 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

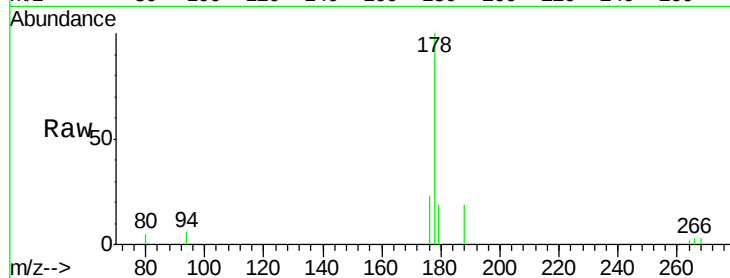
Tot Ion:178 Resp: 4119

Ion Ratio Lower Upper

178 100

176 22.5 16.2 24.4

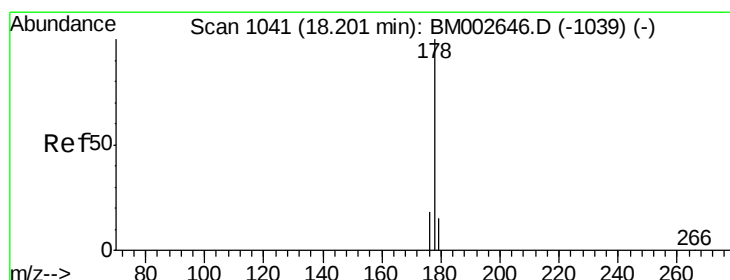
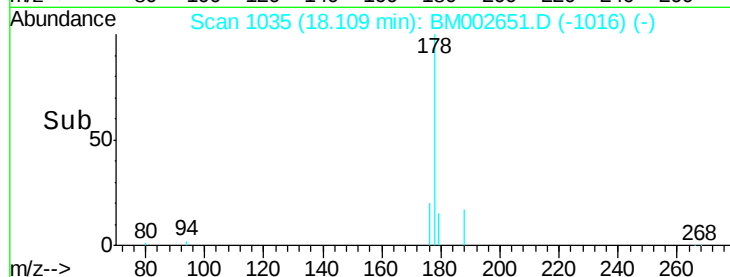
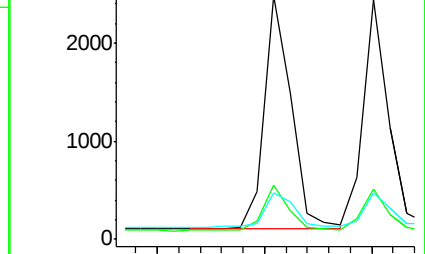
179 19.0 12.8 19.2



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



#15

Anthracene

Concen: 0.05 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

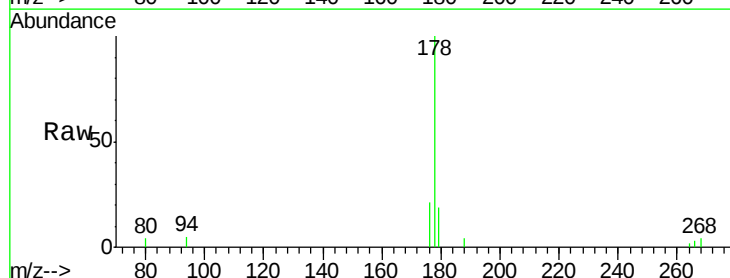
Tgt Ion:178 Resp: 3935

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

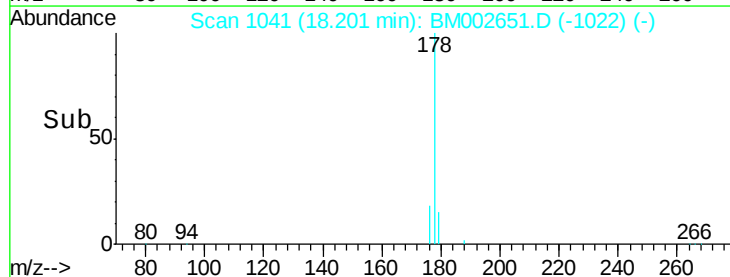
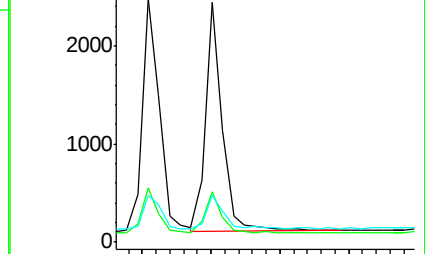
179 19.4 13.3 19.9

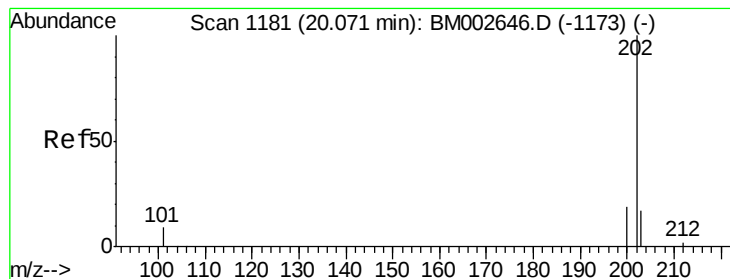


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.05 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

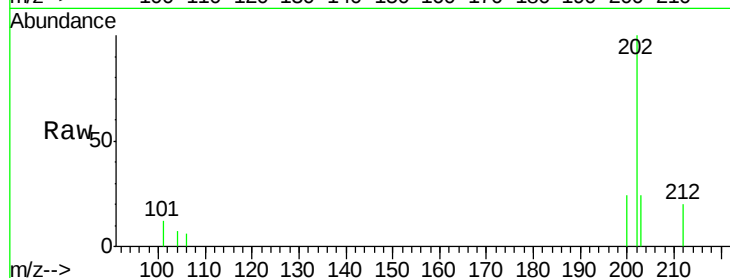
Tot Ion:202 Resp: 4217

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.1

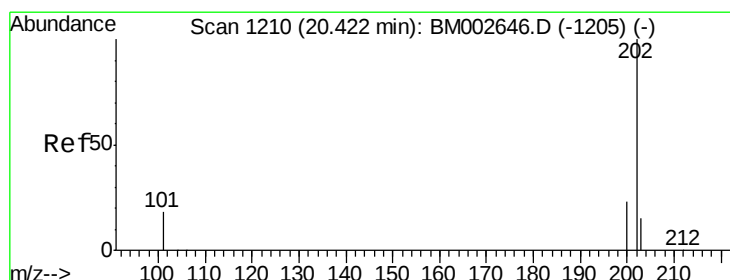
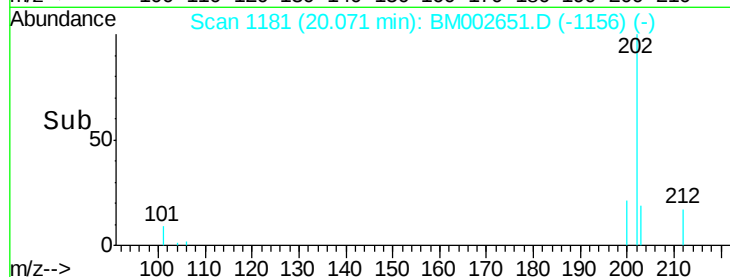
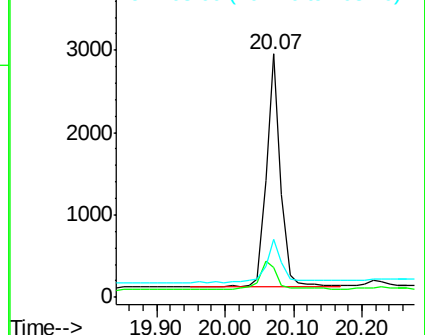
203 23.7 0.0 37.2



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

Pyrene

Concen: 0.06 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

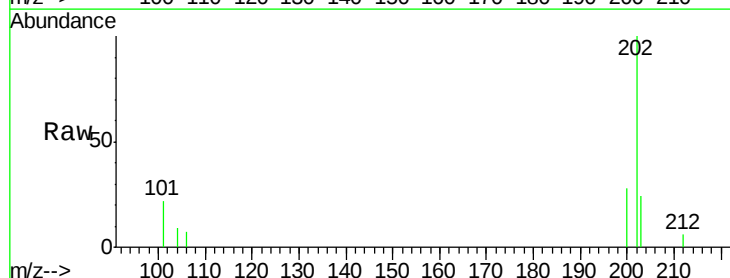
Tgt Ion:202 Resp: 4205

Ion Ratio Lower Upper

202 100

200 28.3 18.0 27.0#

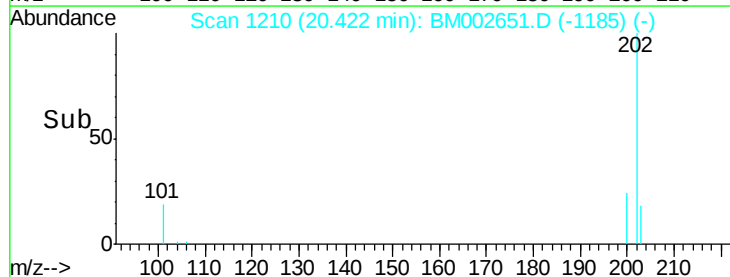
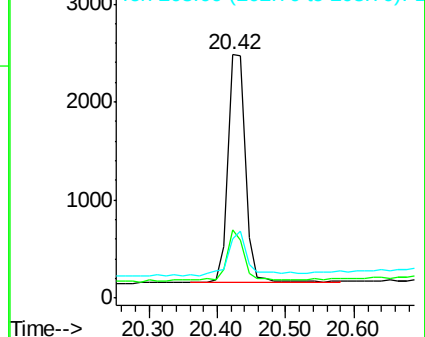
203 24.4 13.8 20.6#

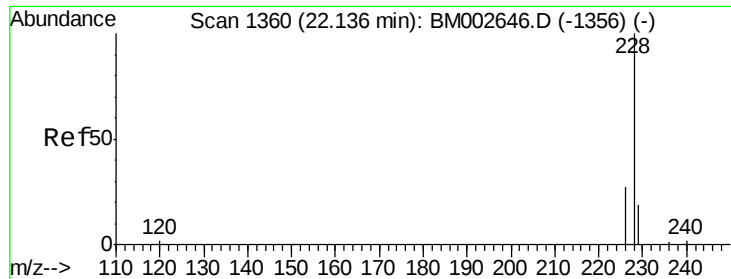


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

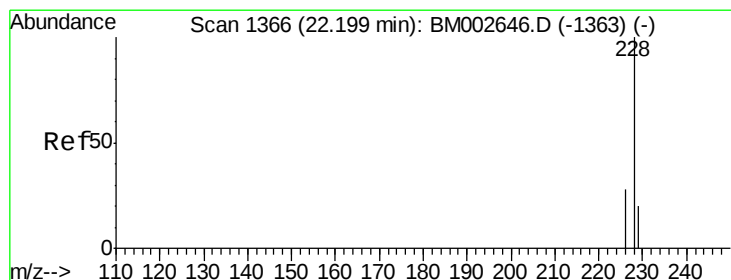
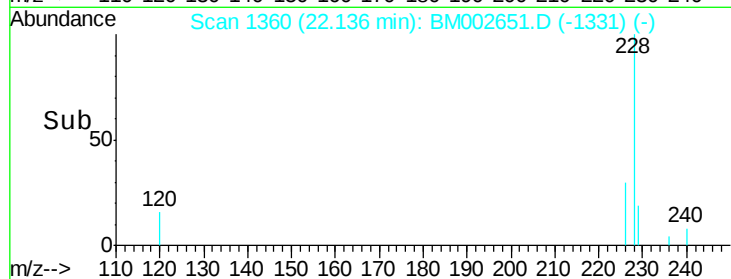
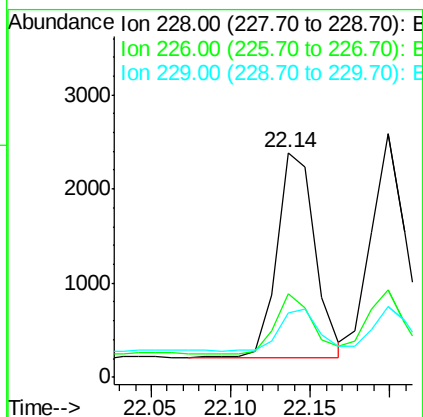
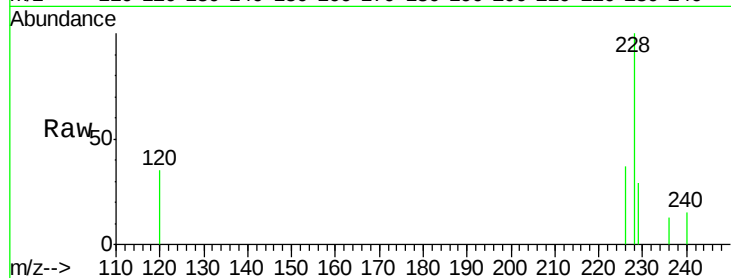
Tot Ion:228 Resp: 3626

Ion Ratio Lower Upper

228 100

226 37.4 23.0 34.4#

229 28.5 15.2 22.8#



#21

Chrysene

Concen: 0.06 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

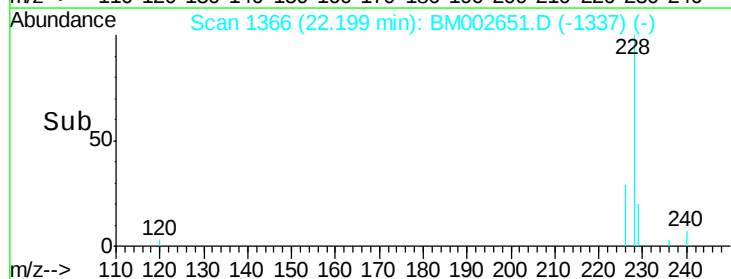
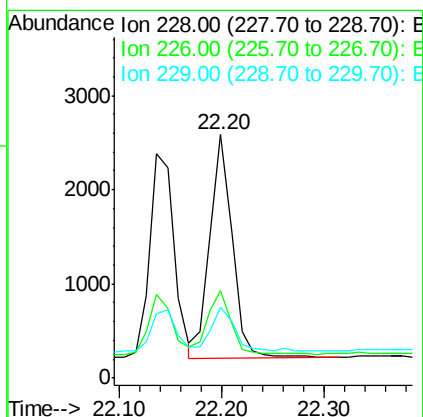
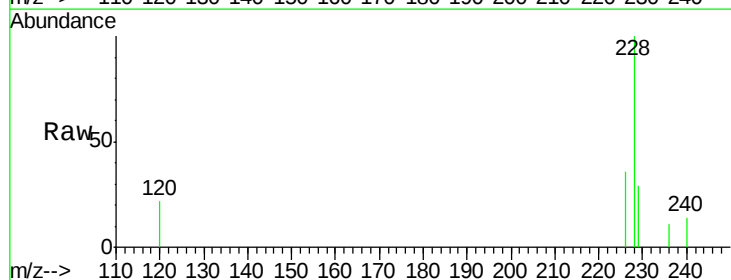
Tgt Ion:228 Resp: 3588

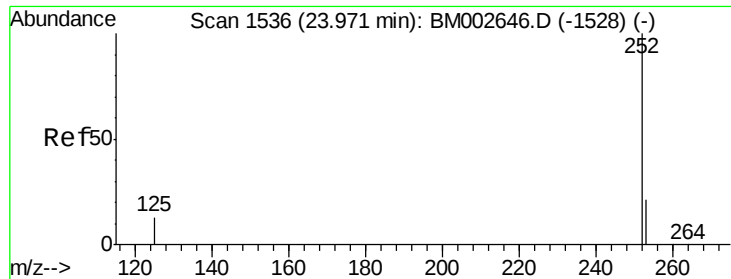
Ion Ratio Lower Upper

228 100

226 36.1 25.7 38.5

229 29.0 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

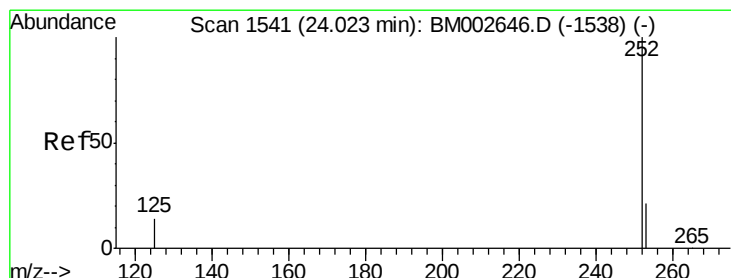
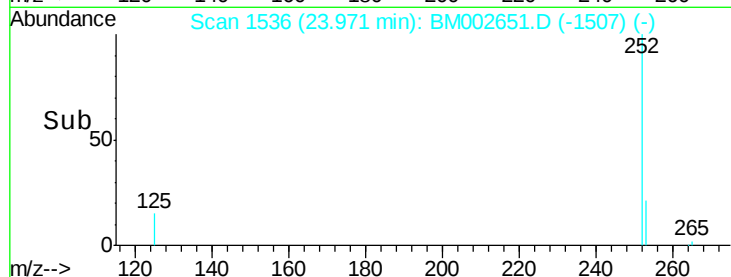
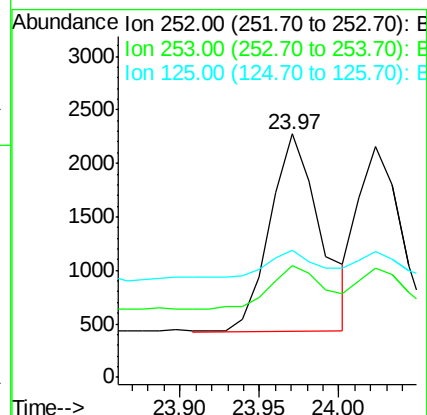
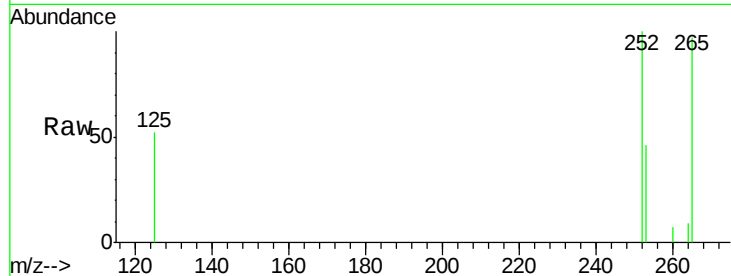
Tot Ion:252 Resp: 4087

Ion Ratio Lower Upper

252 100

253 45.7 0.0 48.0

125 52.4 0.0 36.6#



#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 24.02 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

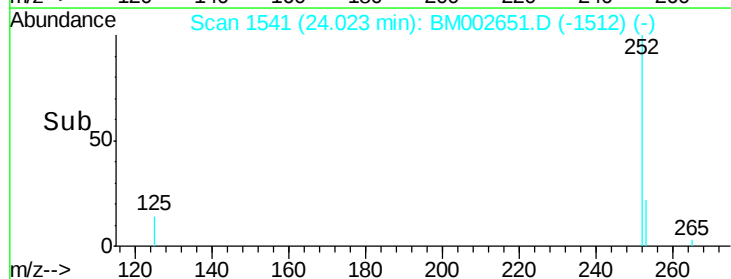
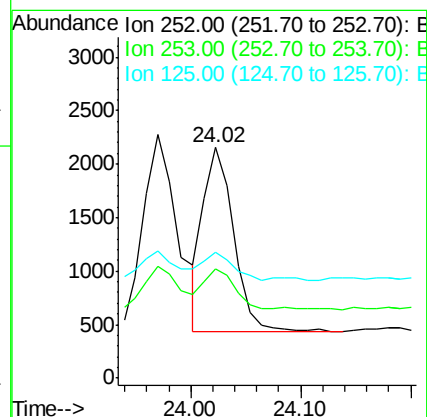
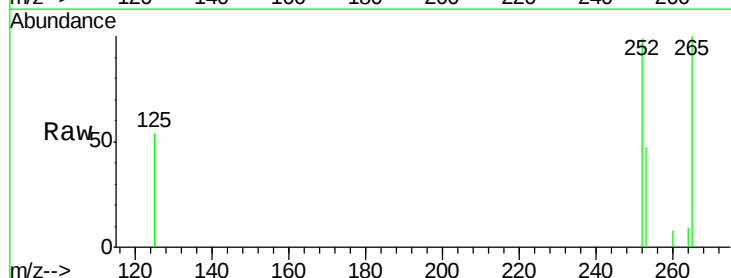
Tgt Ion:252 Resp: 3320

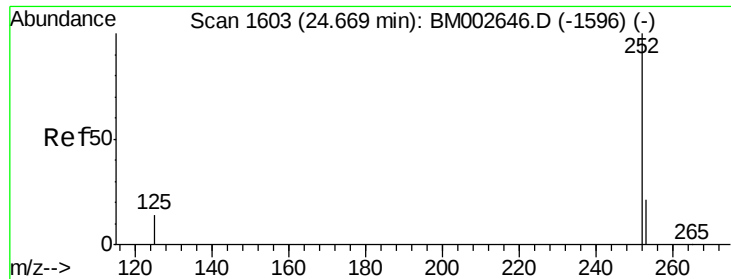
Ion Ratio Lower Upper

252 100

253 47.2 20.8 31.2#

125 54.6 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.67 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

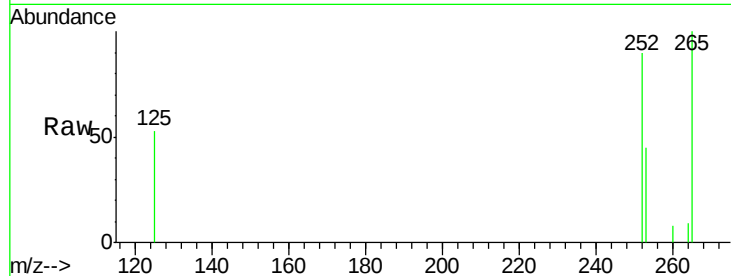
Tot Ion:252 Resp: 3449

Ion Ratio Lower Upper

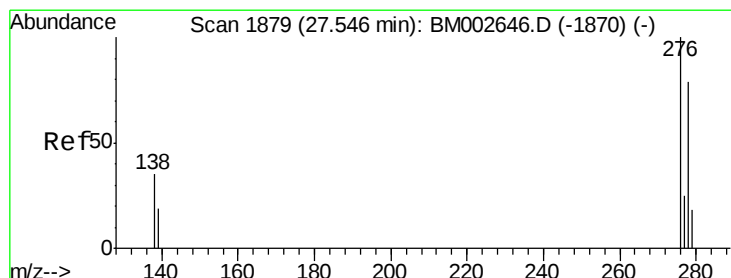
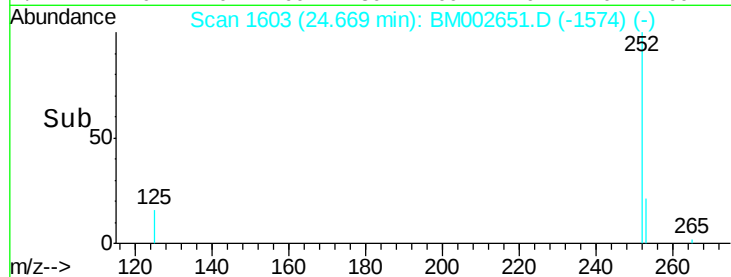
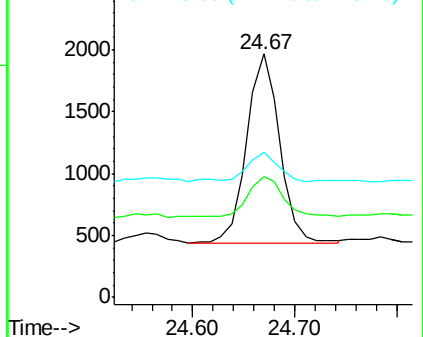
252 100

253 49.6 21.8 32.8#

125 59.6 14.5 21.7#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 27.56 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BM002651.D

Acq: 03 Sep 2015 17:00

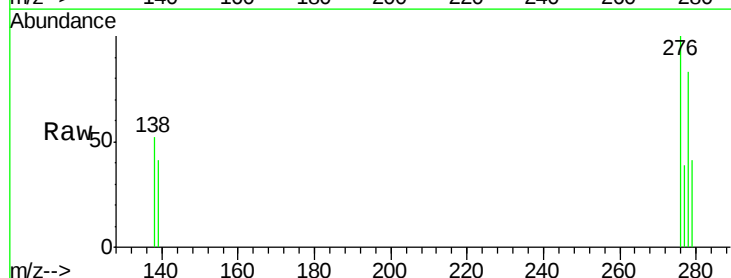
Tgt Ion:276 Resp: 4108

Ion Ratio Lower Upper

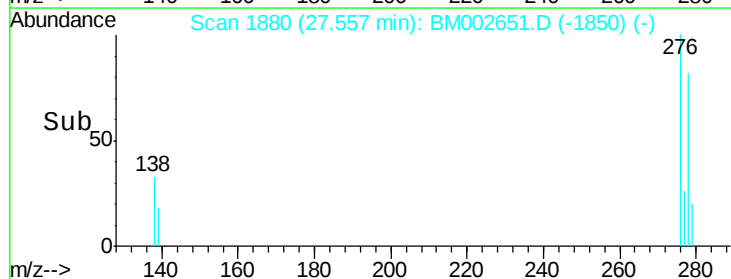
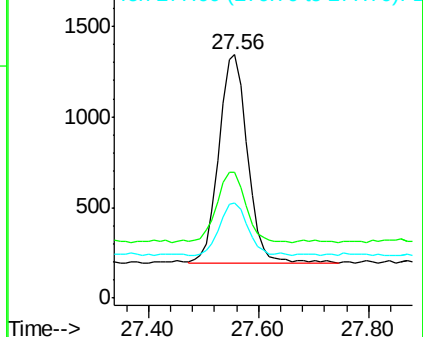
276 100

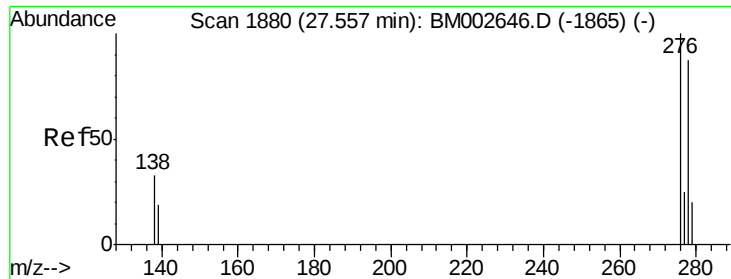
138 36.1 27.5 41.3

277 25.0 19.3 28.9



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

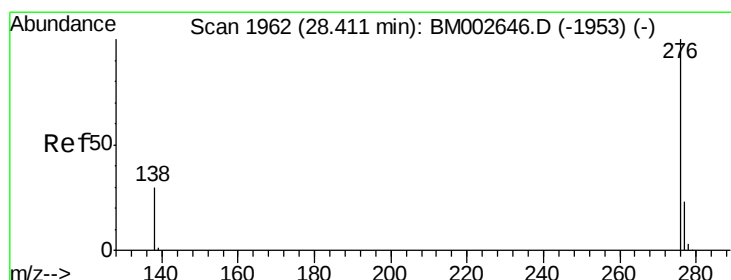
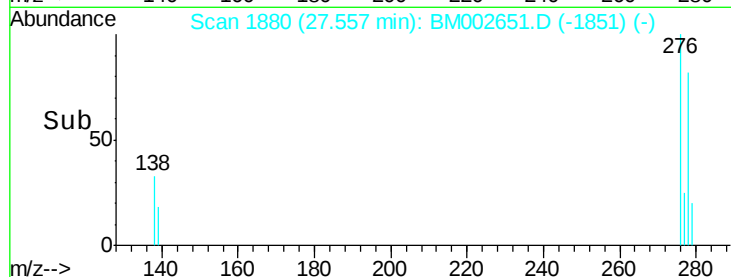
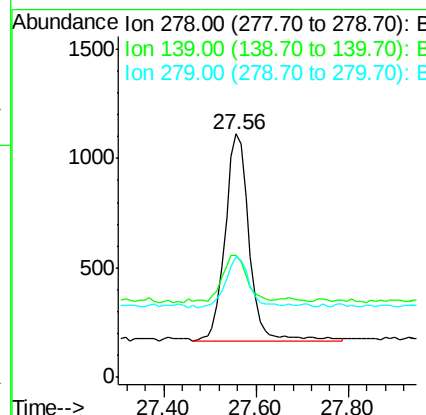
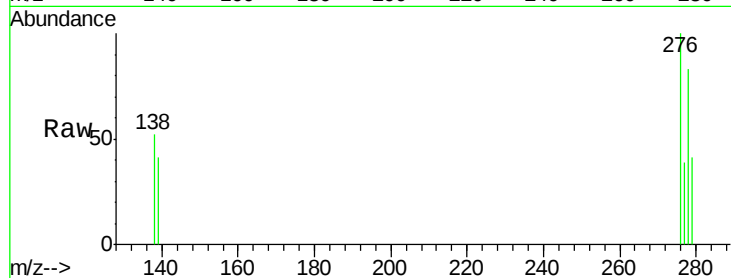




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.56 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BM002651.D
Acq: 03 Sep 2015 17:00

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tot Ion:278 Resp: 3395
Ion Ratio Lower Upper
278 100
139 50.0 21.7 32.5#
279 49.6 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 28.42 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BM002651.D
Acq: 03 Sep 2015 17:00

Tgt Ion:276 Resp: 3516
Ion Ratio Lower Upper
276 100
277 41.7 21.3 31.9#
138 52.9 25.5 38.3#

