

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002659.D
 Acq On : 03 Sep 2015 21:56
 Operator : UM/IZ
 Sample : MDL-BL-S
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-S

Quant Time: Sep 04 04:37:38 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 : Fri Sep 04 04:35:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7324	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	28227	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11515	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	20026	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	18609	0.40	ng/ul	0.00
22) Perylene-d12	24.78	264	18309	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.83	96	45	0.01	ng/uL	0.02
6) 2-Methylnaphthalene-d10	13.17	152	13980	0.37	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	19057	0.42	ng/ul	-0.01

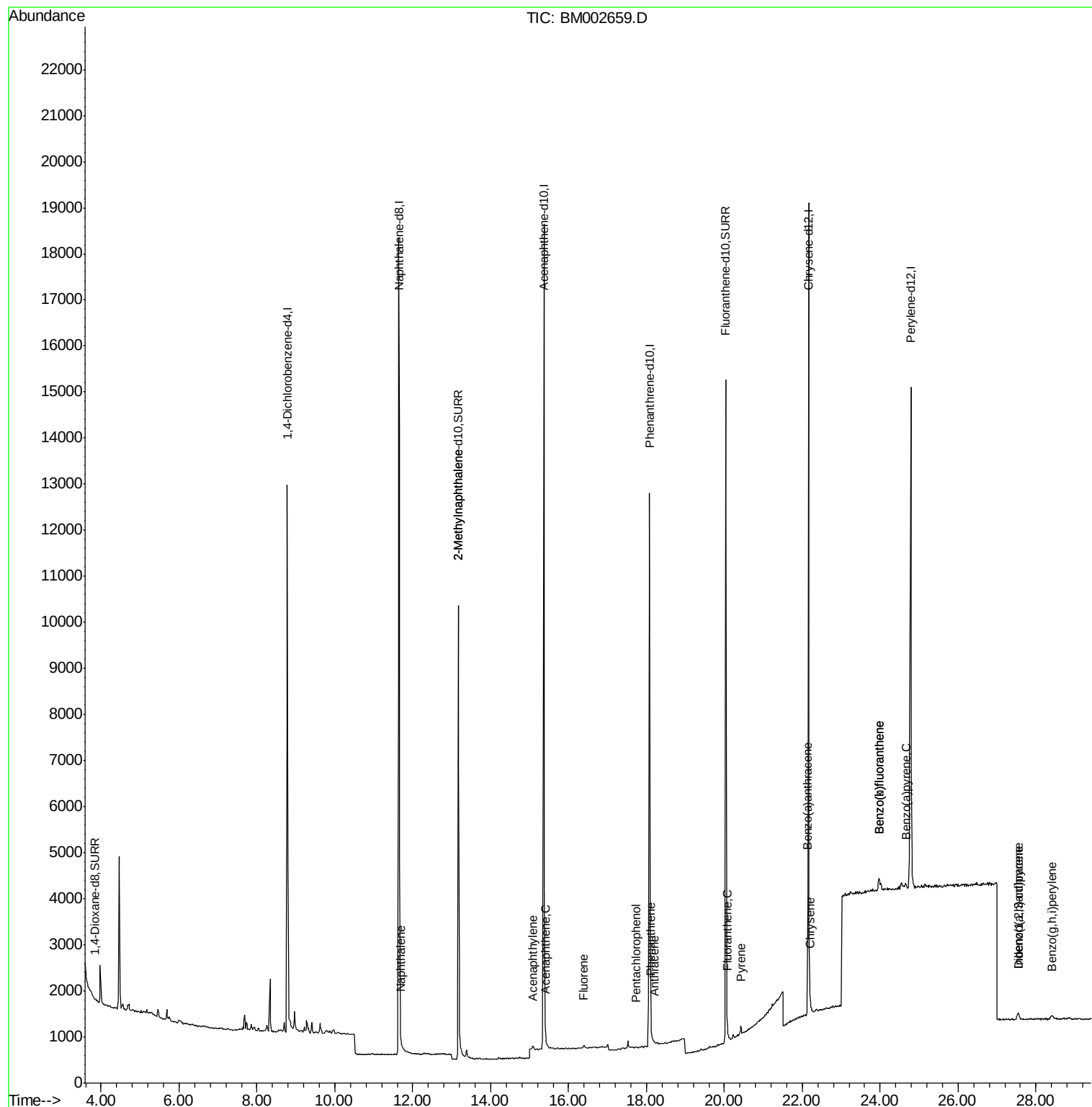
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.69	128	94	0.00	ng/ul#	1
7) 2-Methylnaphthalene	13.17	142	2415	0.05	ng/ul#	5
9) Acenaphthylene	15.09	152	194	0.00	ng/ul#	4
10) Acenaphthene	15.42	153	33	0.00	ng/ul#	73
11) Fluorene	16.39	166	105	0.00	ng/ul#	55
13) Pentachlorophenol	17.74	266	20	0.01	ng/ul#	51
14) Phenanthrene	18.11	178	208	0.00	ng/ul#	1
15) Anthracene	18.20	178	80	0.00	ng/ul#	1
17) Fluoranthene	20.07	202	272	0.00	ng/ul#	1
19) Pyrene	20.42	202	415	0.01	ng/ul#	1
20) Benzo(a)anthracene	22.14	228	359	0.01	ng/ul#	1
21) Chrysene	22.20	228	396	0.01	ng/ul#	2
23) Benzo(b)fluoranthene	23.97	252	849	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	23.97	252	849	0.01	ng/ul#	1
25) Benzo(a)pyrene	24.66	252	238	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.55	276	244	0.00	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.55	278	275	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	28.40	276	193	0.00	ng/ul#	1

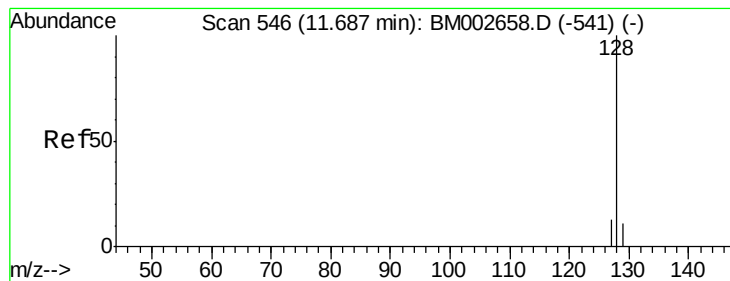
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampleId :

MDL-BL-S

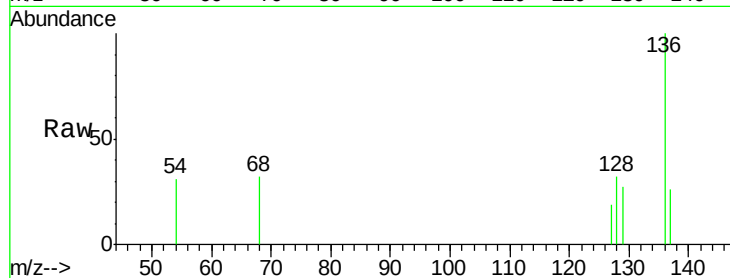
Tot Ion:128 Resp: 94

Ion Ratio Lower Upper

128 100

129 84.2 9.8 14.8#

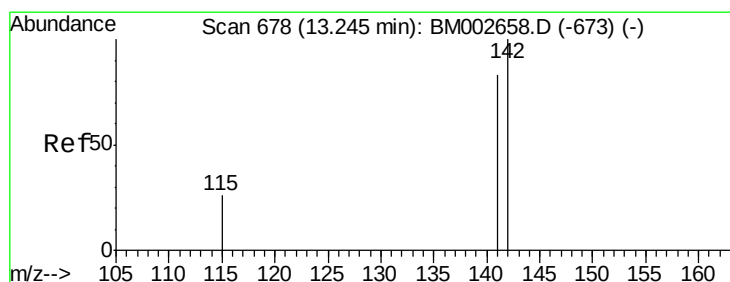
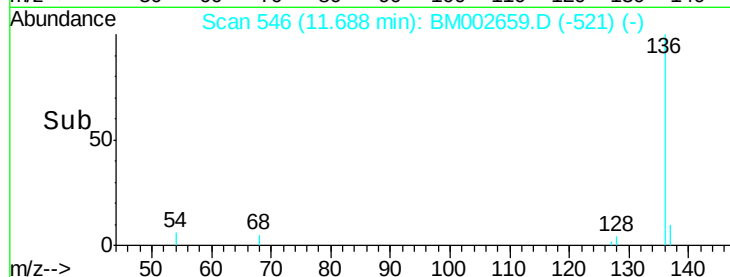
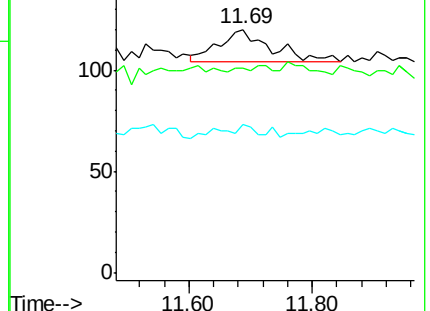
127 60.8 10.7 16.1#



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: 0.05 ng/ul

RT: 13.17 min Scan# 671

Delta R.T. -0.07 min

Lab File: BM002659.D

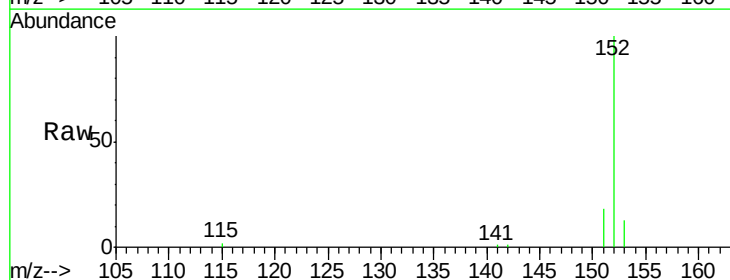
Acq: 03 Sep 2015 21:56

Tgt Ion:142 Resp: 2415

Ion Ratio Lower Upper

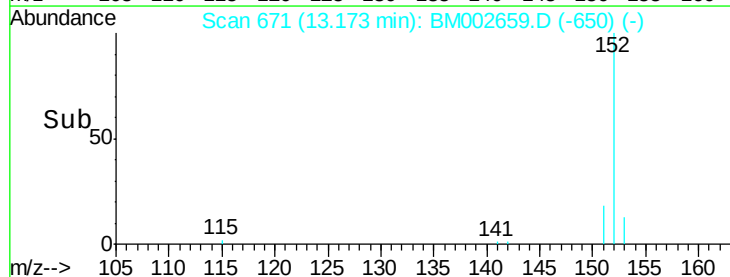
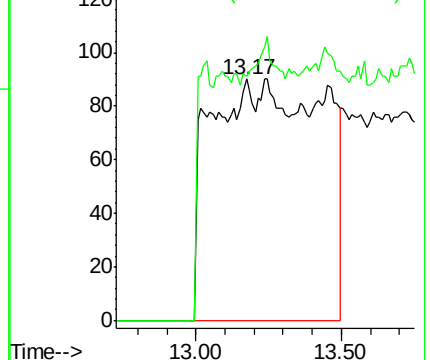
142 100

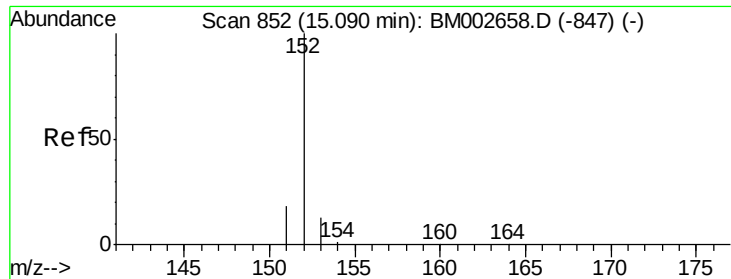
141 0.0 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampleId :

MDL-BL-S

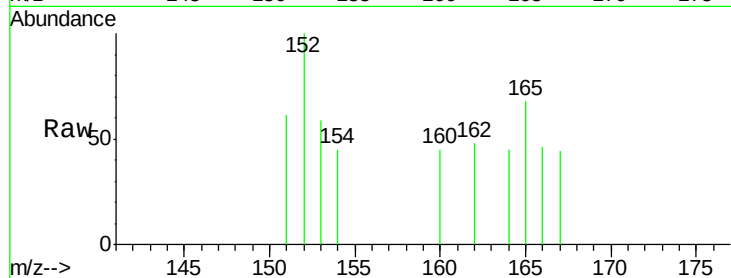
Tot Ion:152 Resp: 194

Ion Ratio Lower Upper

152 100

151 60.8 16.8 25.2#

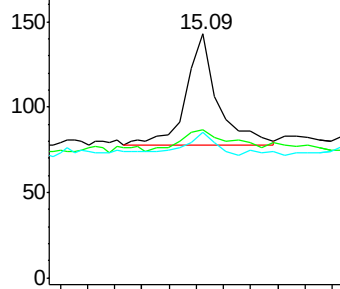
153 59.4 11.3 16.9#



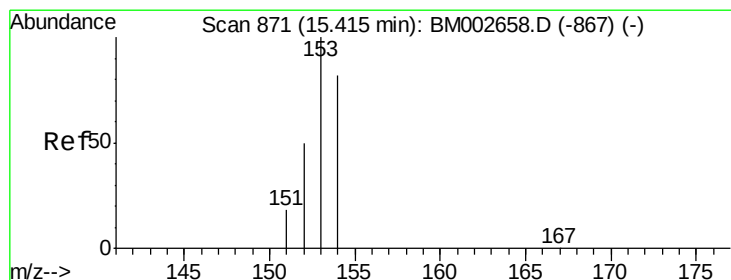
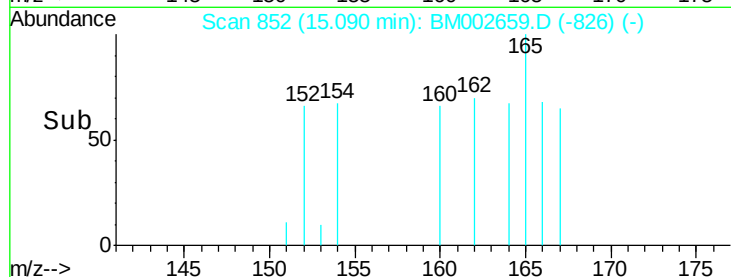
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

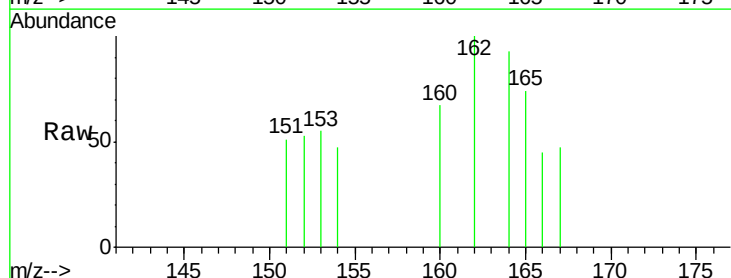
Tgt Ion:153 Resp: 33

Ion Ratio Lower Upper

153 100

152 96.4 42.3 63.5#

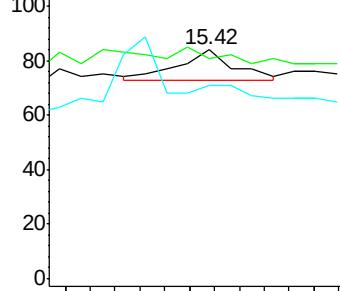
154 84.5 64.7 97.1



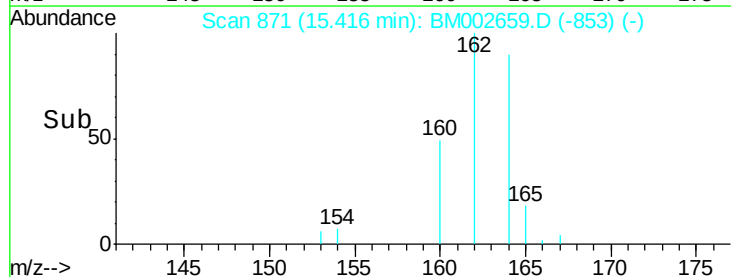
Abundance Ion 153.00 (152.70 to 153.70): E

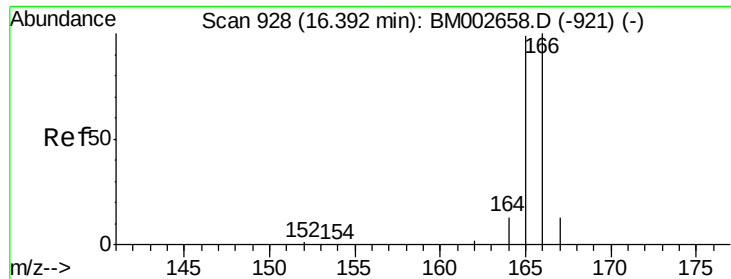
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

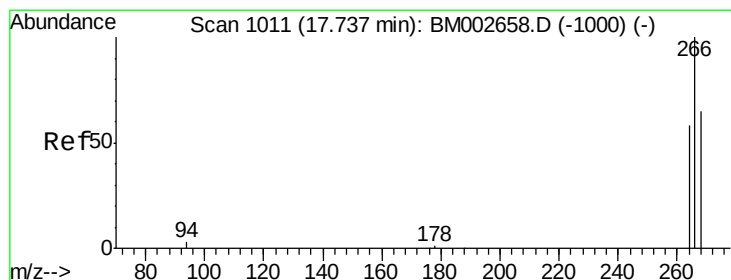
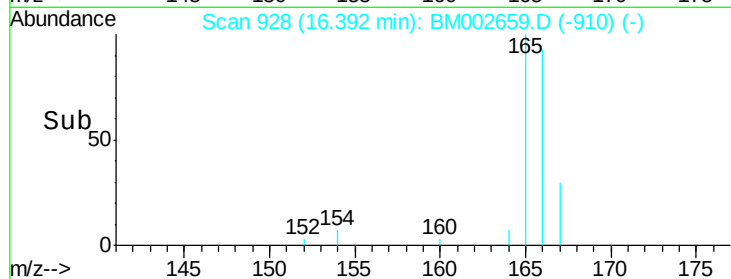
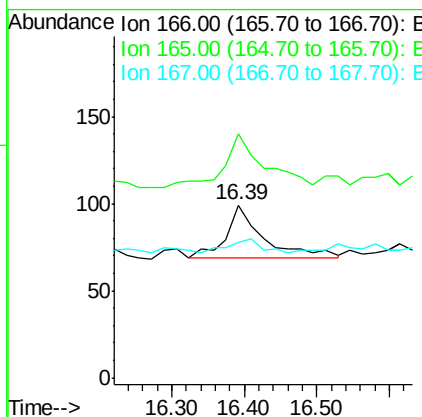
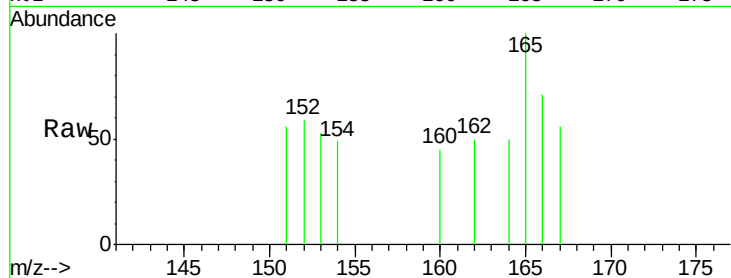




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002659.D
 Acq: 03 Sep 2015 21:56

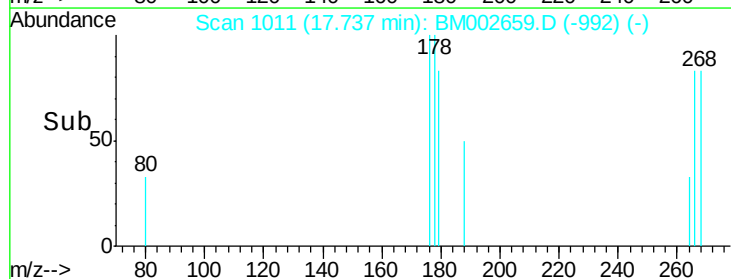
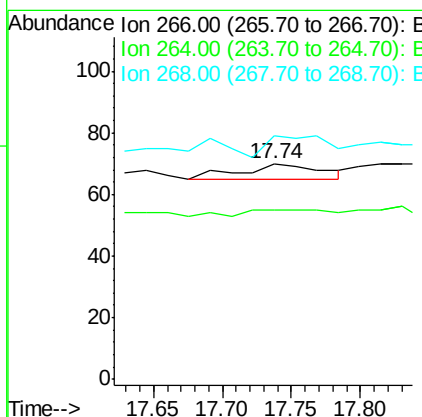
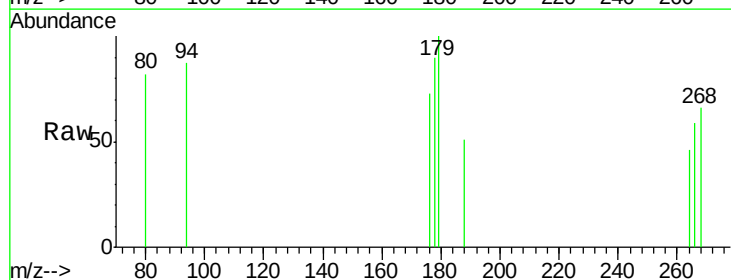
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-S

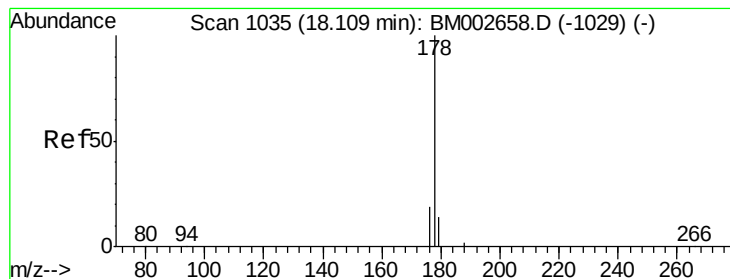
Tot Ion:166 Resp: 105
 Ion Ratio Lower Upper
 166 100
 165 141.4 87.6 131.4#
 167 78.8 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.74 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BM002659.D
 Acq: 03 Sep 2015 21:56

Tgt Ion:266 Resp: 20
 Ion Ratio Lower Upper
 266 100
 264 45.0 53.5 80.3#
 268 125.0 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampleId :

MDL-BL-S

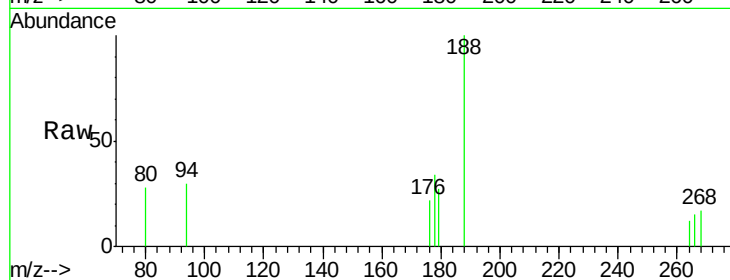
Tot Ion:178 Resp: 208

Ion Ratio Lower Upper

178 100

176 64.4 16.2 24.4#

179 81.9 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

18.11

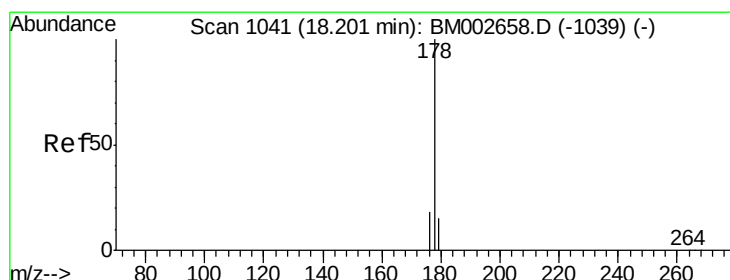
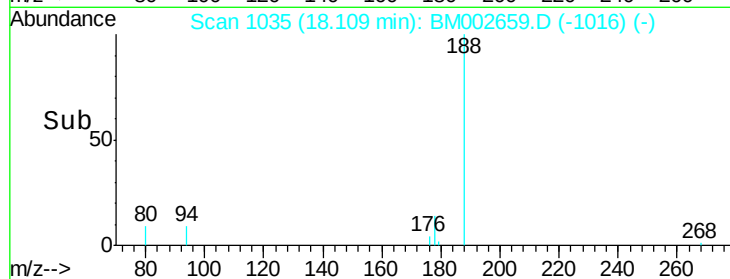
150

100

50

0

Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

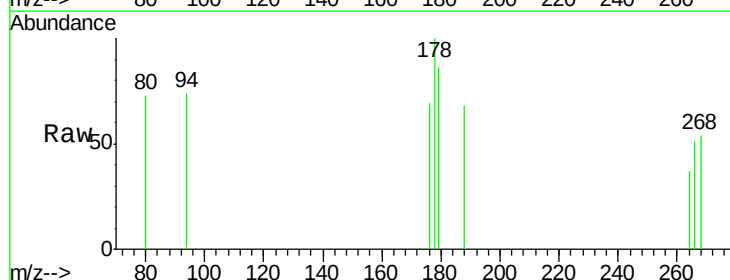
Tgt Ion:178 Resp: 80

Ion Ratio Lower Upper

178 100

176 68.9 15.8 23.8#

179 86.5 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

18.20

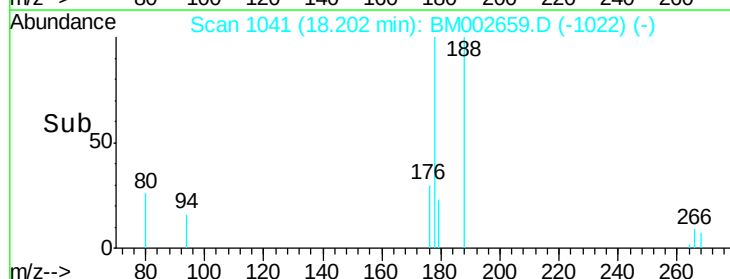
150

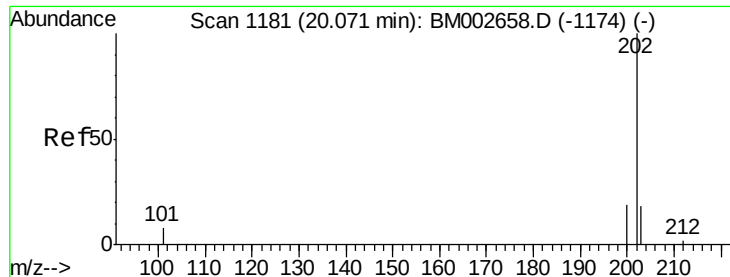
100

50

0

Time-->

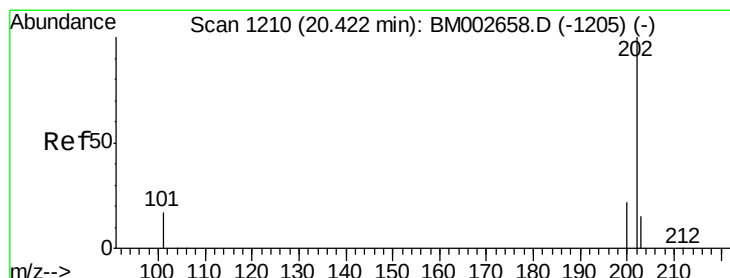
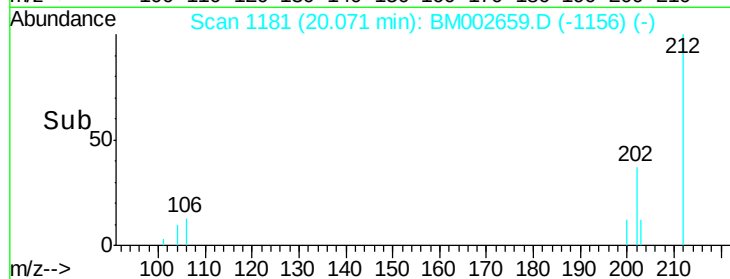
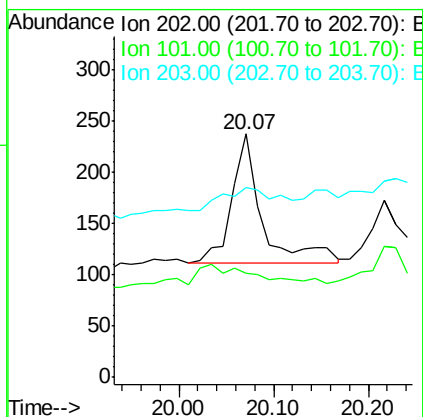
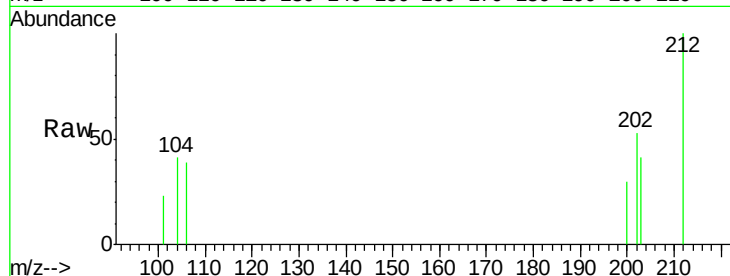




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 20.07 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM002659.D
Acq: 03 Sep 2015 21:56

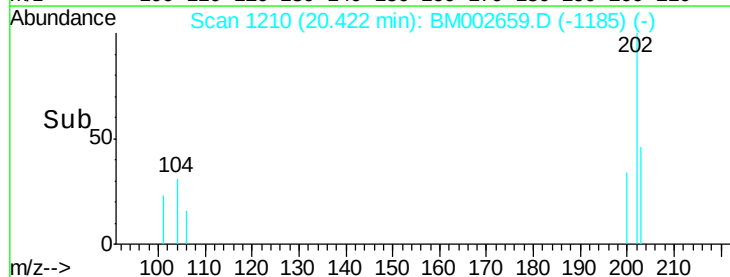
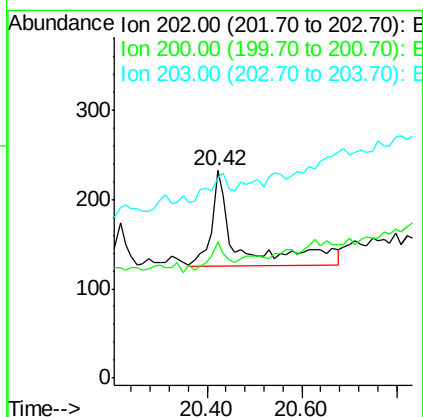
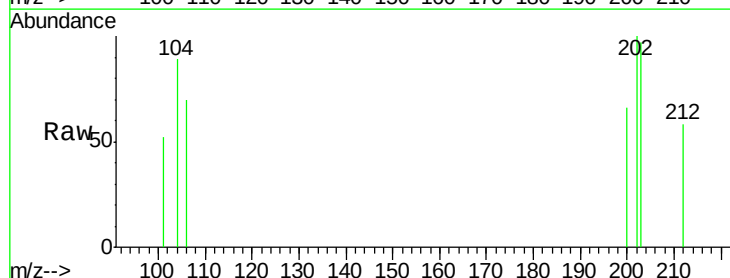
Instrument :
BNA_M
ClientSampleId :
MDL-BL-S

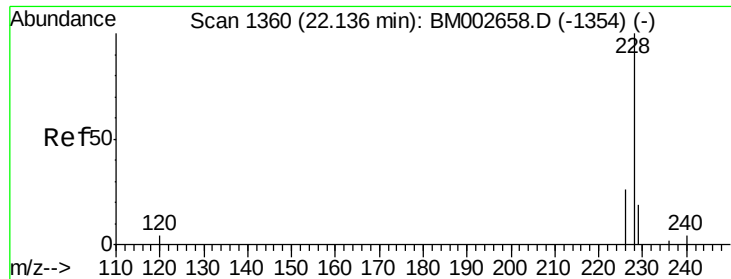
Tot Ion:202 Resp: 272
Ion Ratio Lower Upper
202 100
101 42.6 0.0 33.1#
203 78.1 0.0 37.2#



#19
Pyrene
Concen: 0.01 ng/ul
RT: 20.42 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM002659.D
Acq: 03 Sep 2015 21:56

Tgt Ion:202 Resp: 415
Ion Ratio Lower Upper
202 100
200 65.5 18.0 27.0#
203 96.6 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampled :

MDL-BL-S

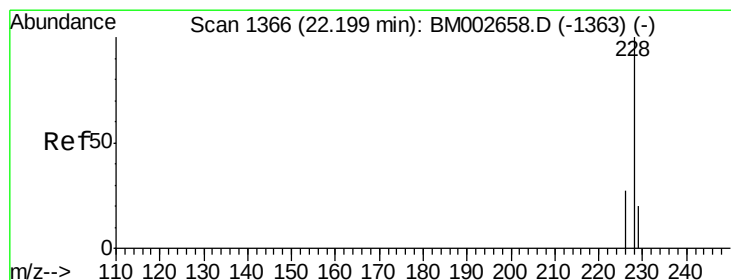
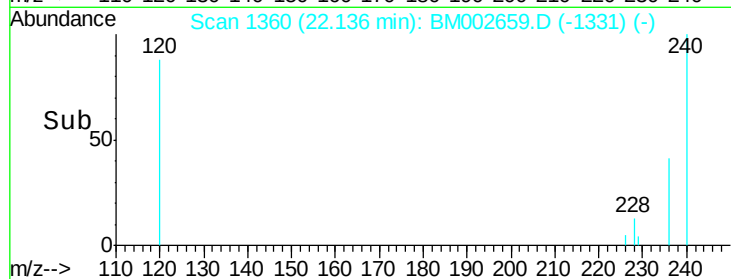
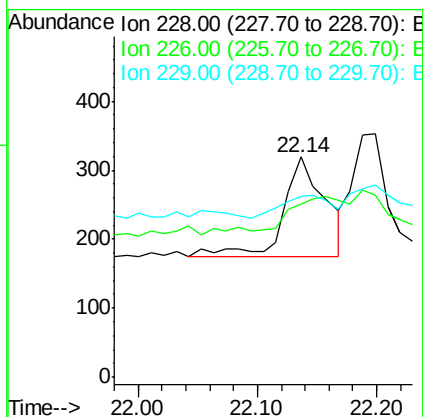
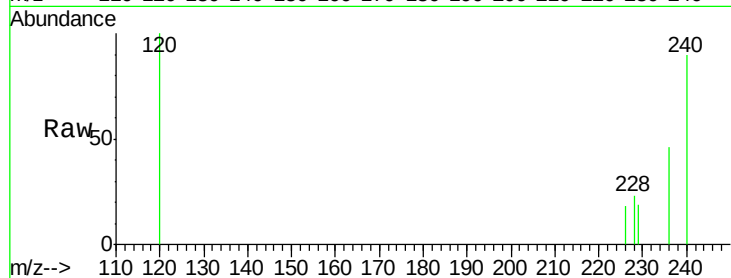
Tot Ion:228 Resp: 359

Ion Ratio Lower Upper

228 100

226 78.7 23.0 34.4#

229 82.1 15.2 22.8#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

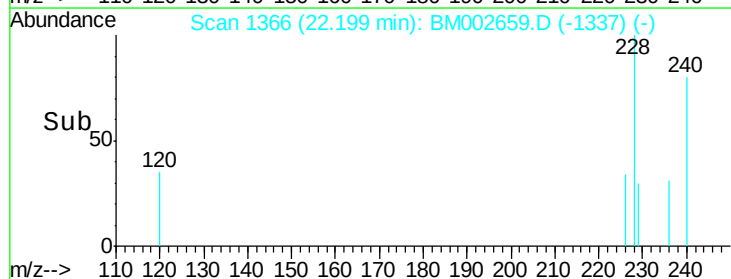
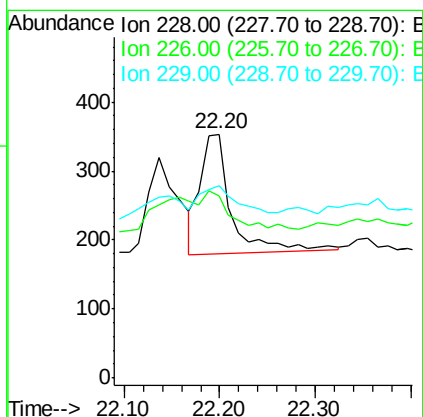
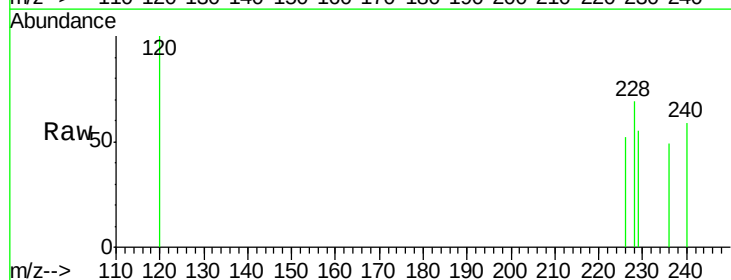
Tgt Ion:228 Resp: 396

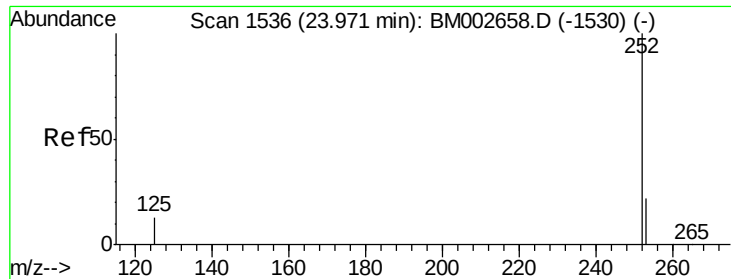
Ion Ratio Lower Upper

228 100

226 74.8 25.7 38.5#

229 79.0 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampleId :

MDL-BL-S

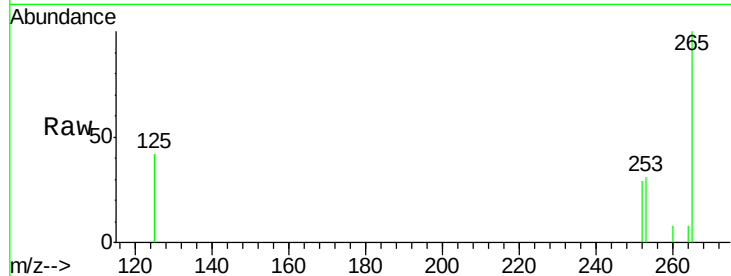
Tot Ion:252 Resp: 849

Ion Ratio Lower Upper

252 100

253 107.9 0.0 48.0#

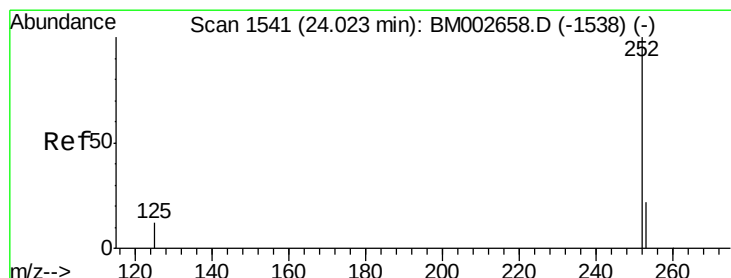
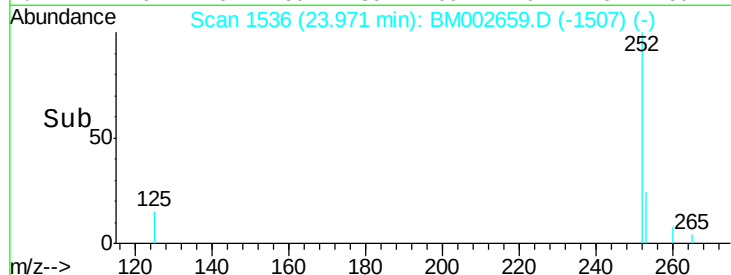
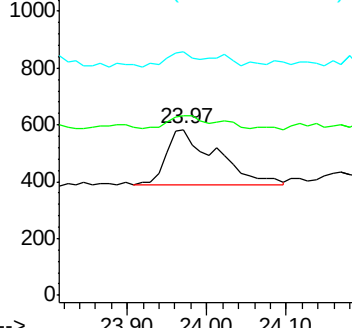
125 146.7 0.0 36.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

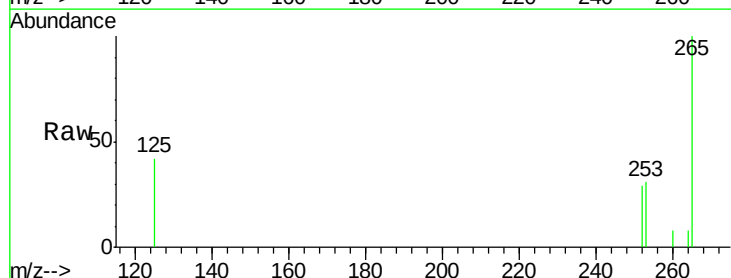
Tgt Ion:252 Resp: 849

Ion Ratio Lower Upper

252 100

253 107.9 20.8 31.2#

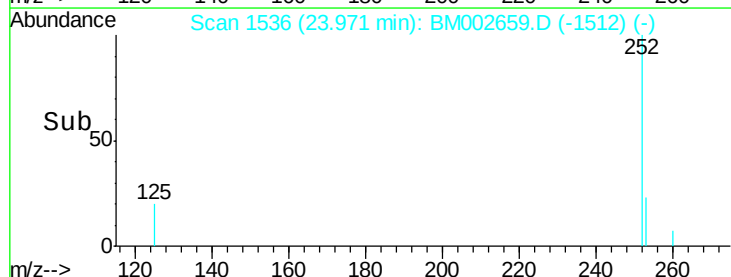
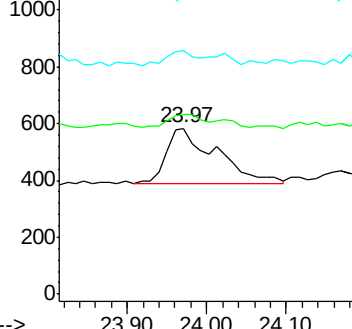
125 146.7 12.2 18.4#

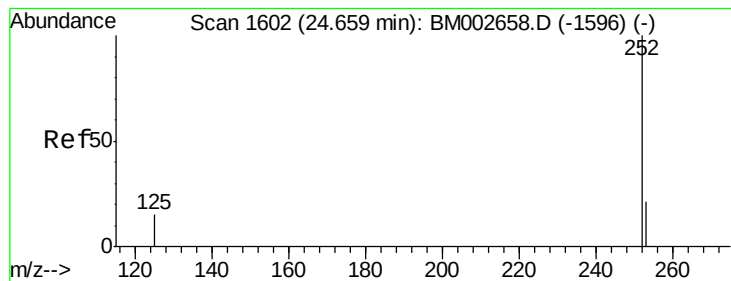


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002659.D

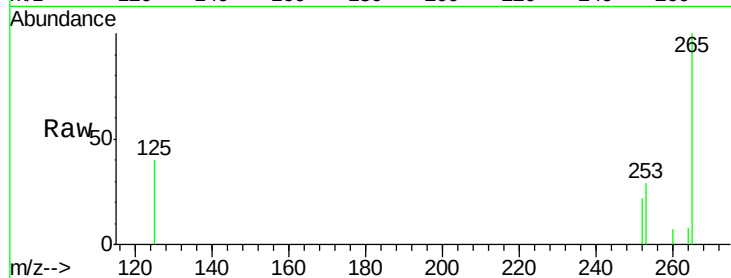
Acq: 03 Sep 2015 21:56

Instrument :

BNA_M

ClientSampleId :

MDL-BL-S



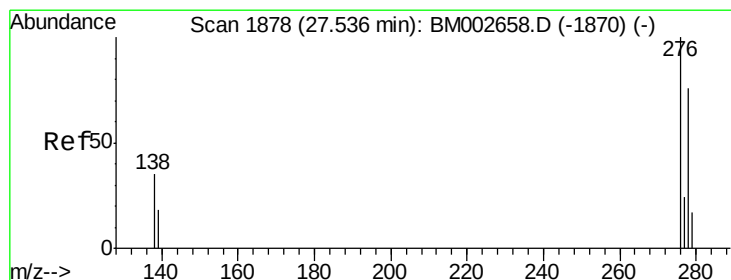
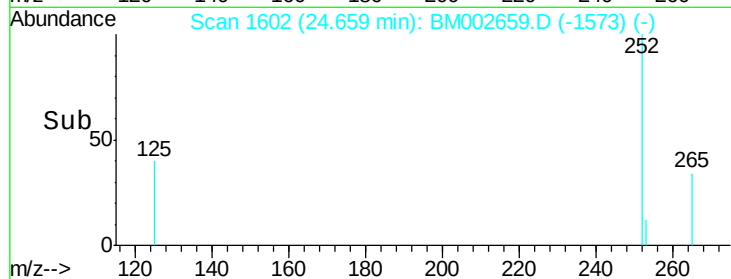
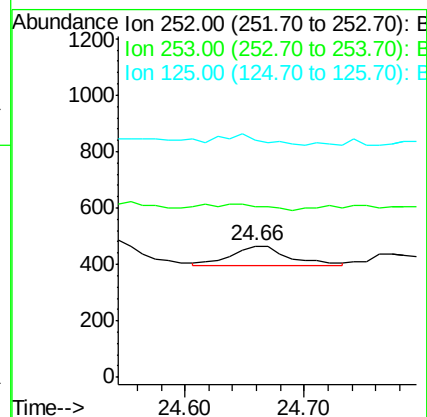
Tot Ion:252 Resp: 238

Ion Ratio Lower Upper

252 100

253 130.3 21.8 32.8#

125 180.7 14.5 21.7#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 27.55 min Scan# 1879

Delta R.T. 0.01 min

Lab File: BM002659.D

Acq: 03 Sep 2015 21:56

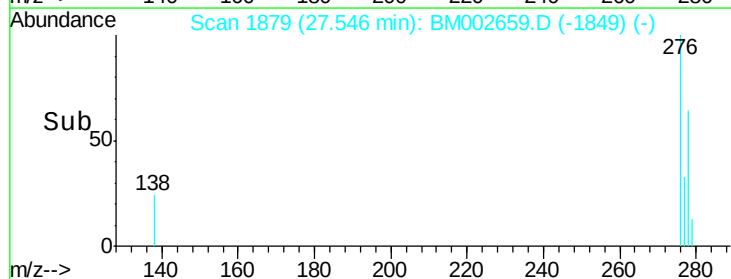
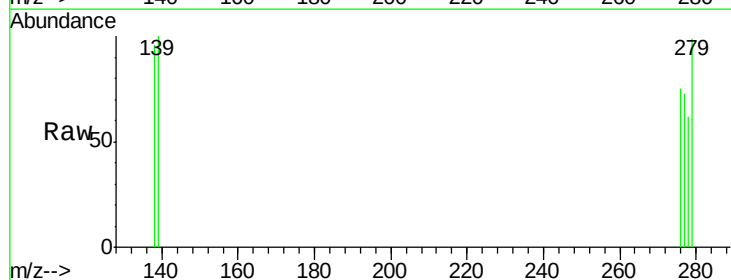
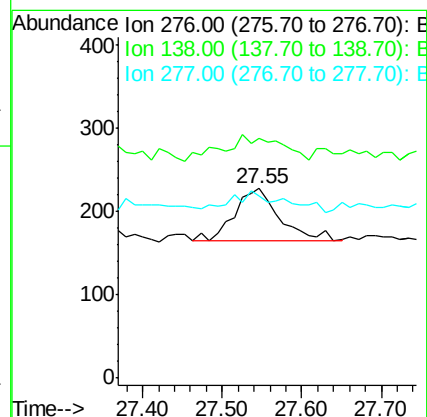
Tgt Ion:276 Resp: 244

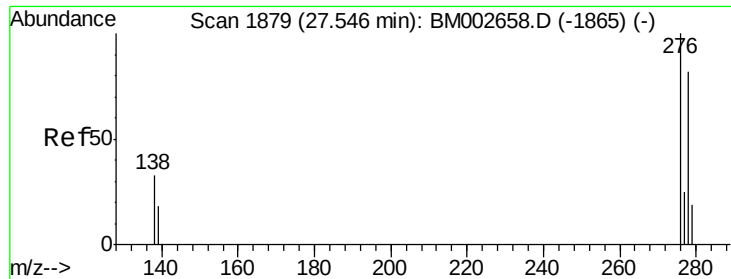
Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

277 0.0 19.3 28.9#

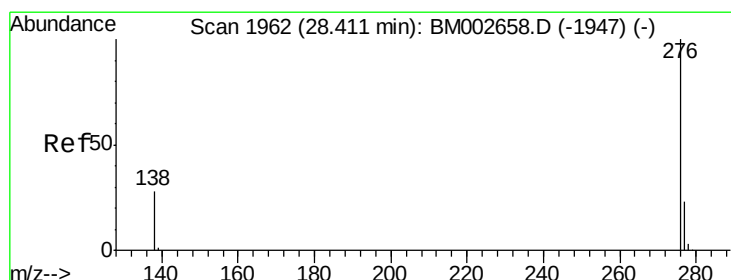
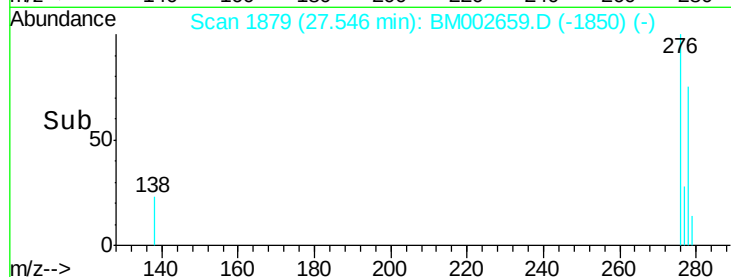
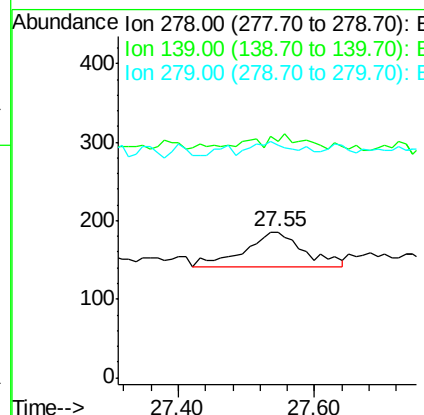
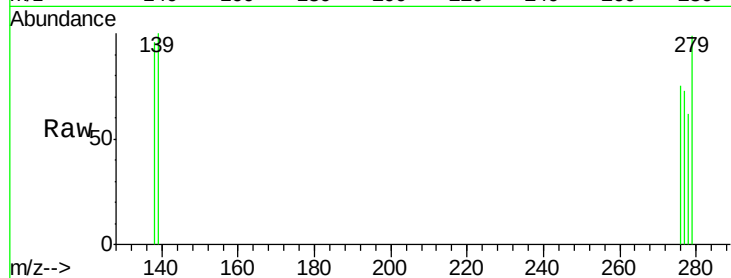




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM002659.D
Acq: 03 Sep 2015 21:56

Instrument :
BNA_M
ClientSampled :
MDL-BL-S

Tot Ion: 278 Resp: 275
Ion Ratio Lower Upper
278 100
139 161.8 21.7 32.5#
279 159.7 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 28.40 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BM002659.D
Acq: 03 Sep 2015 21:56

Tgt Ion: 276 Resp: 193
Ion Ratio Lower Upper
276 100
277 106.2 21.3 31.9#
138 135.9 25.5 38.3#

