

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000136.D
 Acq On : 07 Jan 2015 20:35
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Quant Time: Jan 08 03:56:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 02:20:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2970	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9557	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5688	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10612	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8946	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8205	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	6119	0.48	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	10644	0.47	ng/ul	0.00

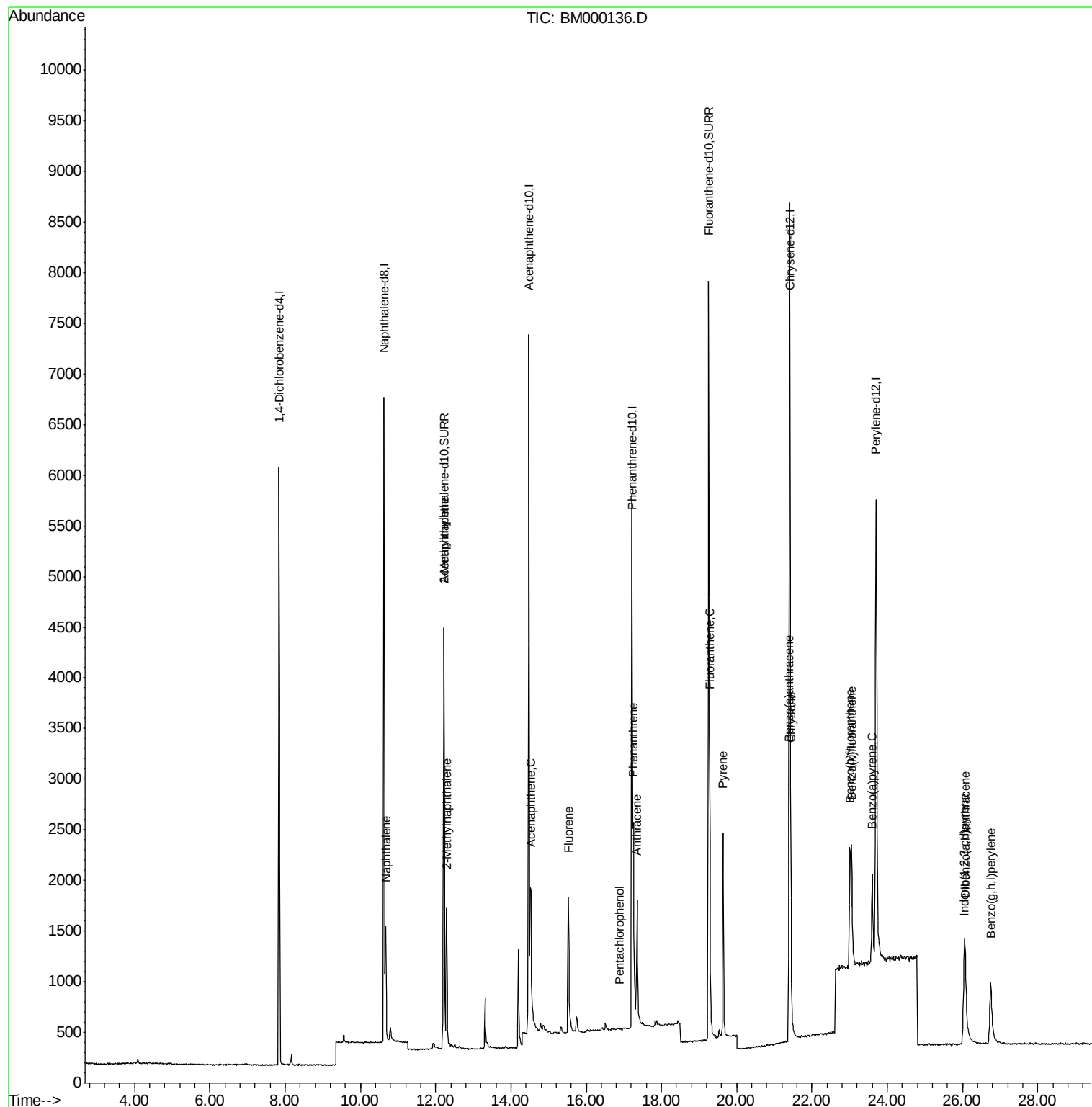
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	1650	0.07	ng/ul#	87
5) 2-Methylnaphthalene	12.29	142	1058	0.06	ng/ul	98
7) Acenaphthylene	12.22	152	6119	0.48	ng/ul	99
8) Acenaphthene	14.54	153	1091	0.06	ng/ul	97
9) Fluorene	15.52	166	1356	0.07	ng/ul#	92
11) Pentachlorophenol	16.89	266	7	0.00	ng/ul#	20
12) Phenanthrene	17.26	178	2123	0.06	ng/ul#	91
13) Anthracene	17.35	178	1948	0.06	ng/ul#	87
15) Fluoranthene	19.27	202	2477	0.07	ng/ul	93
17) Pyrene	19.64	202	2495	0.07	ng/ul#	93
18) Benzo(a)anthracene	21.39	228	1967	0.07	ng/ul	92
19) Chrysene	21.44	228	2142	0.07	ng/ul	96
21) Benzo(b)fluoranthene	23.00	252	2108	0.06	ng/ul	73
22) Benzo(k)fluoranthene	23.05	252	1970	0.06	ng/ul#	74
23) Benzo(a)pyrene	23.60	252	1811	0.06	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	26.03	276	2195	0.07	ng/ul	98
25) Dibenzo(a,h)anthracene	26.07	278	1694	0.06	ng/ul#	66
26) Benzo(g,h,i)perylene	26.74	276	2012	0.07	ng/ul#	82

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

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

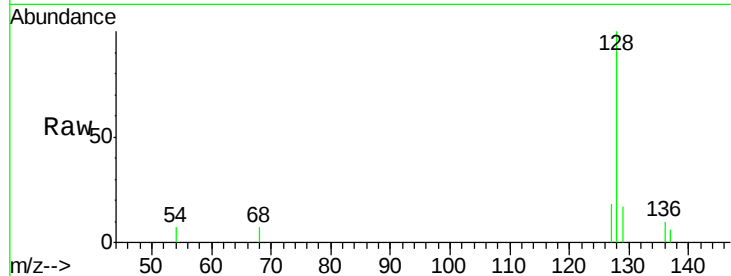
Tgt Ion:128 Resp: 1650

Ion Ratio Lower Upper

128 100

129 16.9 9.5 14.3#

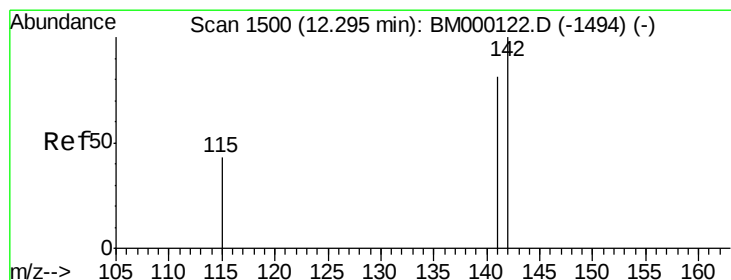
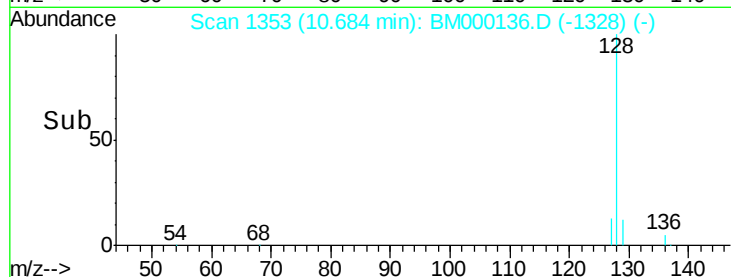
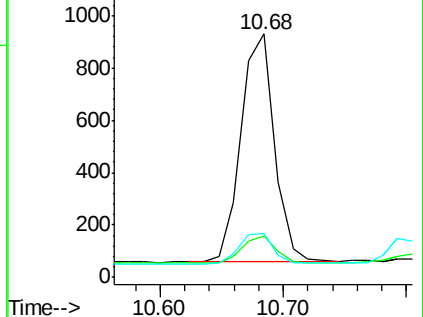
127 18.0 10.4 15.6#



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



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000136.D

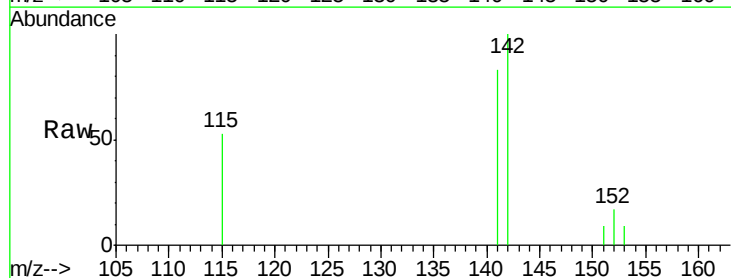
Acq: 07 Jan 2015 20:35

Tgt Ion:142 Resp: 1058

Ion Ratio Lower Upper

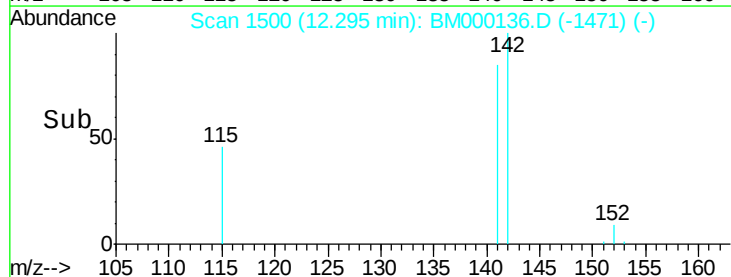
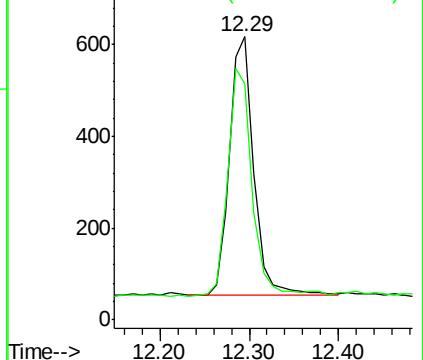
142 100

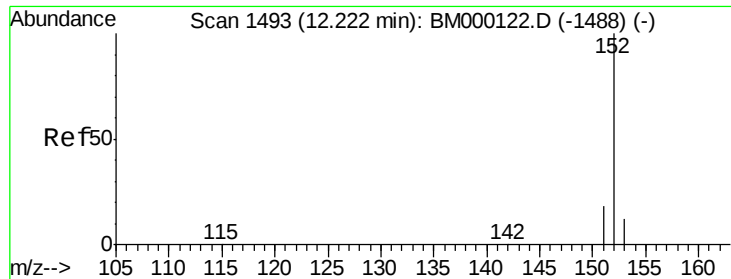
141 88.0 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.48 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

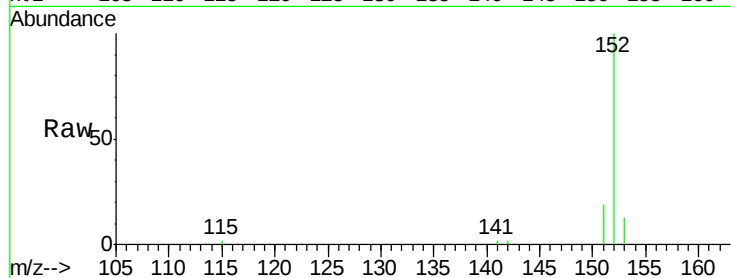
Tgt Ion:152 Resp: 6119

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.2

153 13.2 11.0 16.4



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

12.22

3000

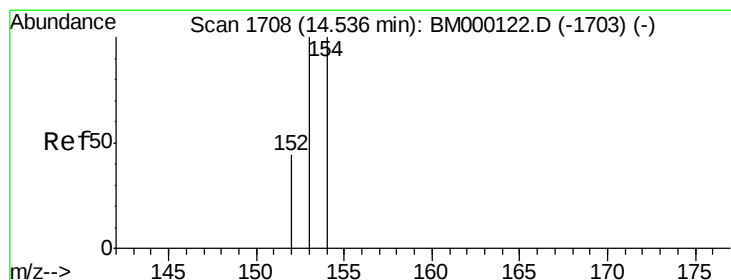
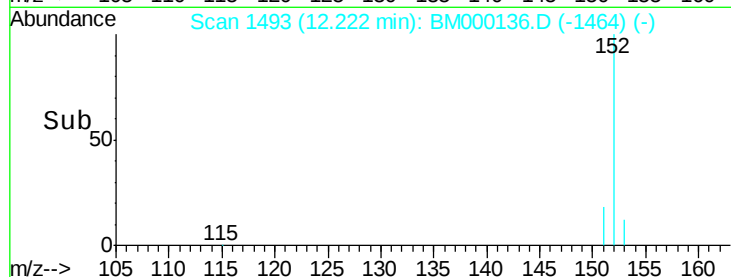
2000

1000

0

Time-->

12.00 12.20 12.40



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

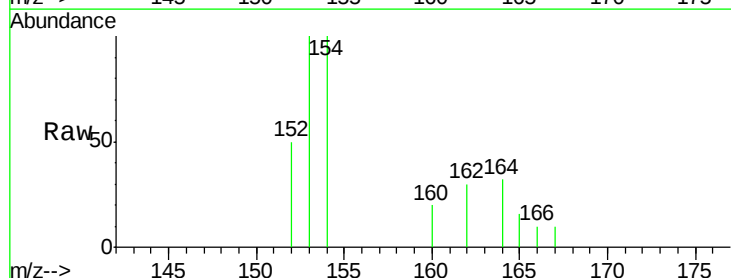
Tgt Ion:153 Resp: 1091

Ion Ratio Lower Upper

153 100

152 49.7 35.8 53.6

154 99.6 79.9 119.9



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

14.54

600

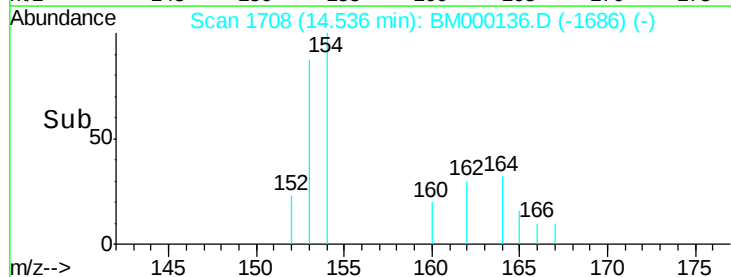
400

200

0

Time-->

14.40 14.60 14.80





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

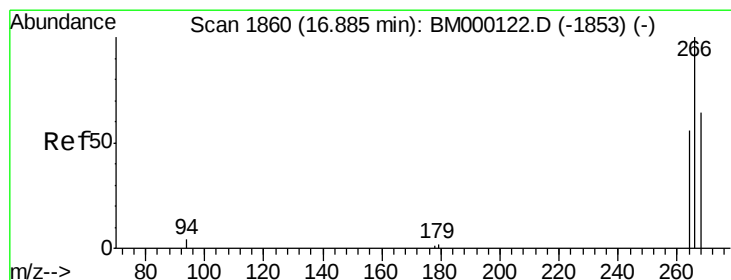
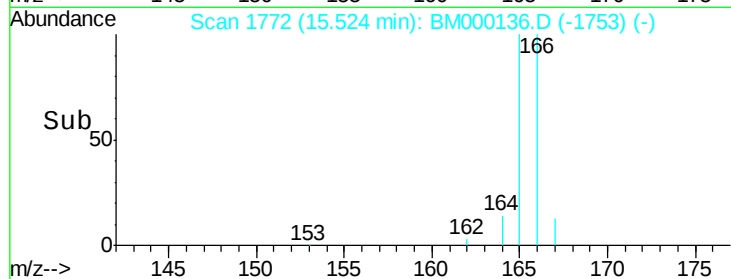
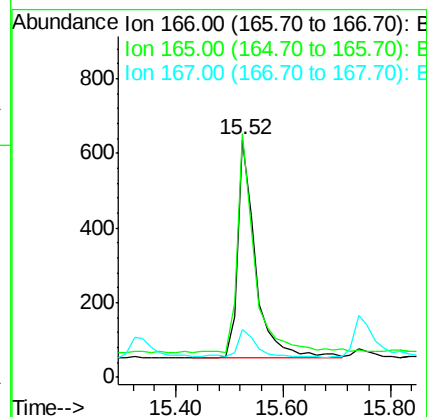
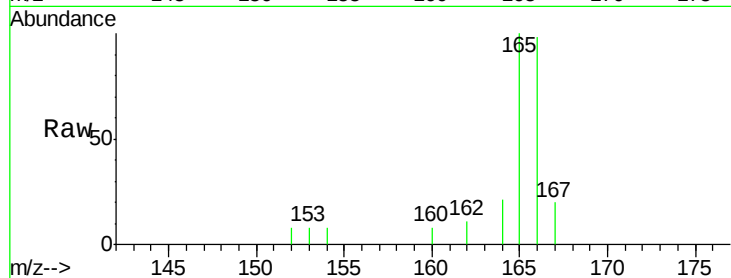
Tgt Ion:166 Resp: 1356

Ion Ratio Lower Upper

166 100

165 102.5 77.0 115.4

167 20.3 11.0 16.6#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.89 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

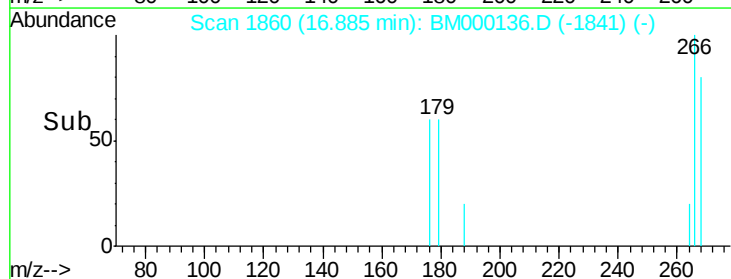
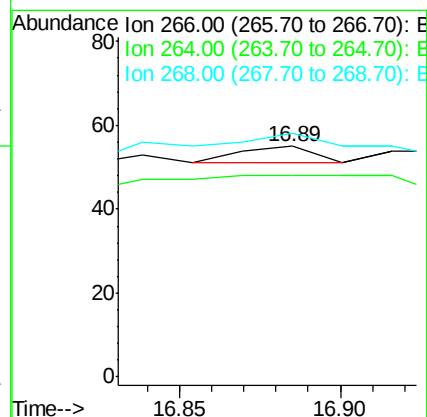
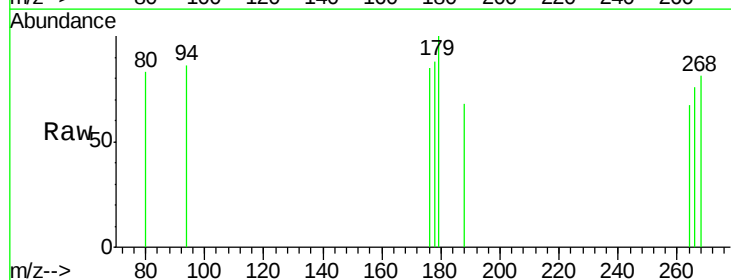
Tgt Ion:266 Resp: 7

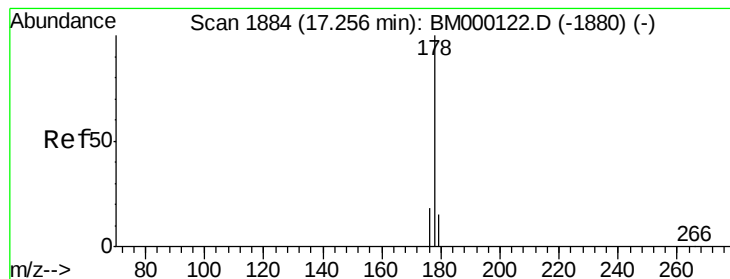
Ion Ratio Lower Upper

266 100

264 85.7 53.9 80.9#

268 171.4 49.2 73.8#





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

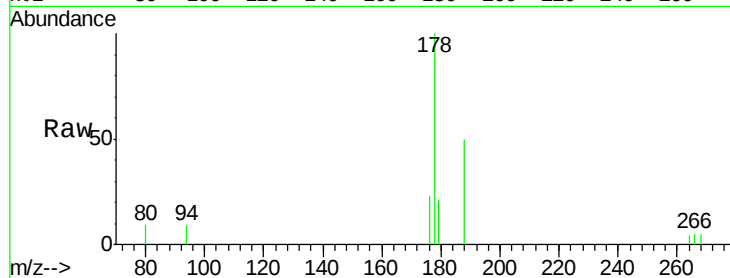
Tgt Ion:178 Resp: 2123

Ion Ratio Lower Upper

178 100

176 22.9 15.1 22.7#

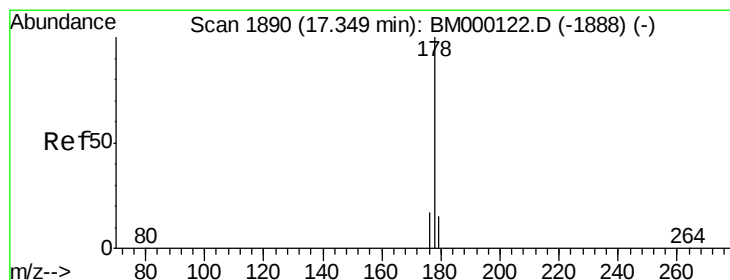
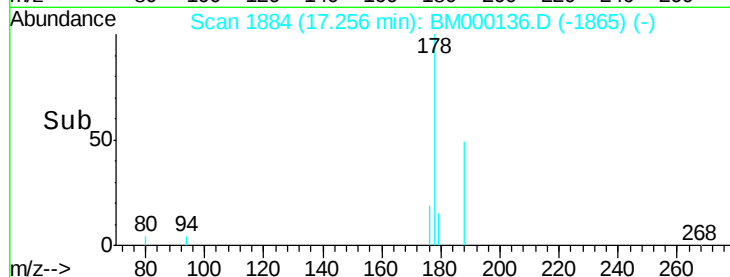
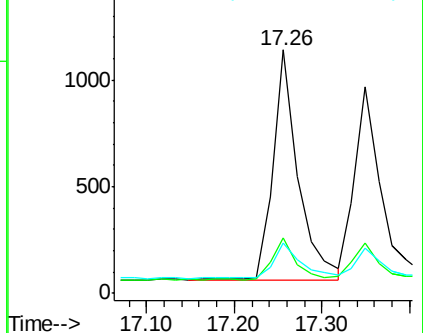
179 20.5 13.0 19.4#



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



#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

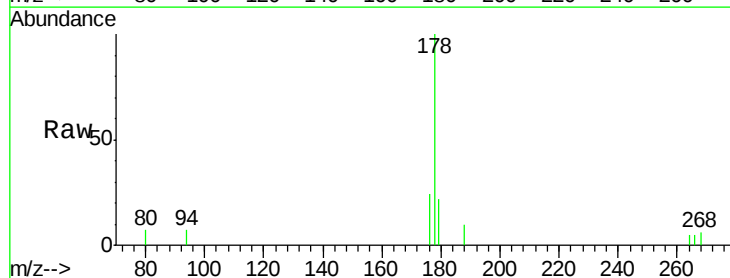
Tgt Ion:178 Resp: 1948

Ion Ratio Lower Upper

178 100

176 24.3 14.6 21.8#

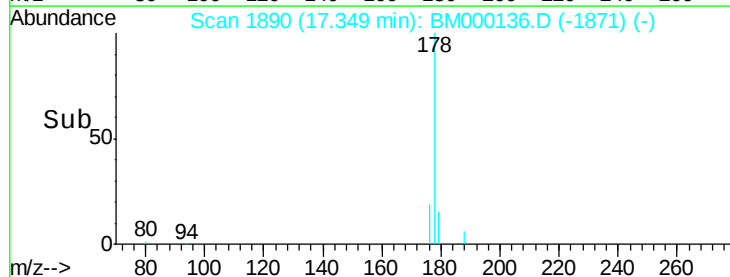
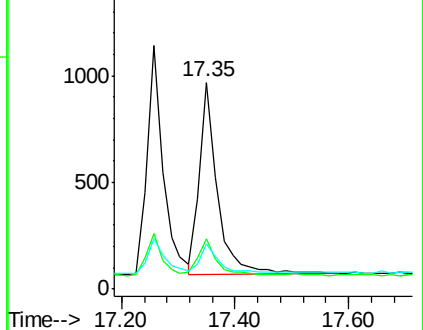
179 22.0 13.1 19.7#

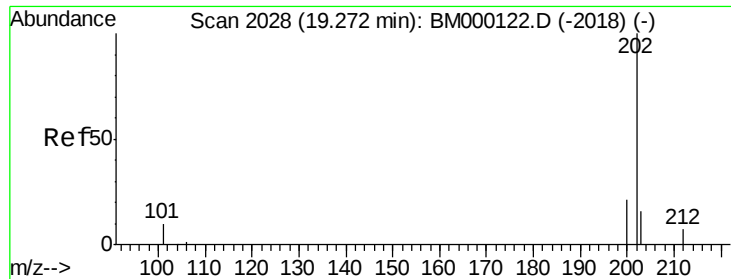


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.27 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

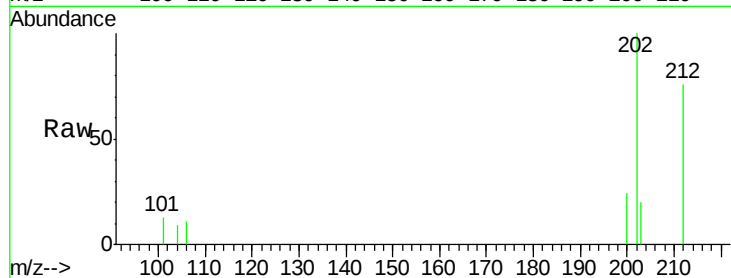
Tgt Ion:202 Resp: 2477

Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.5

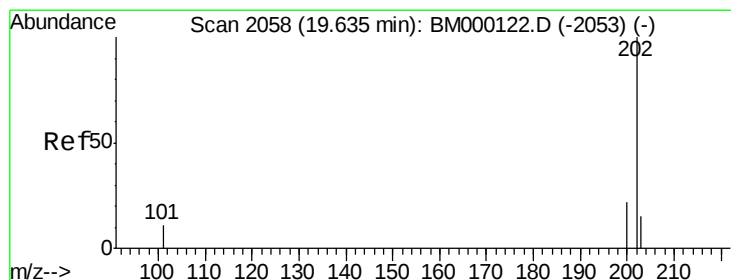
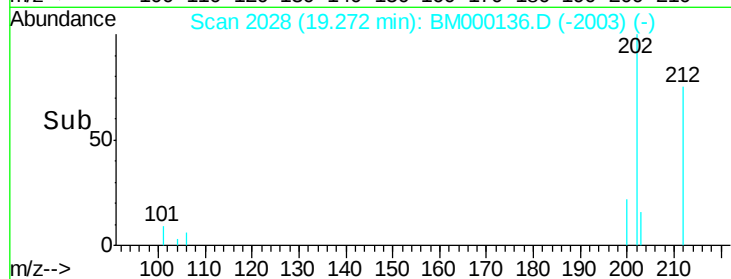
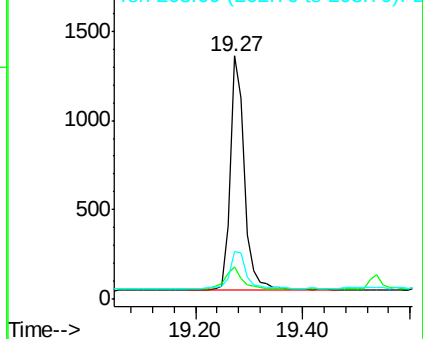
203 19.6 0.0 36.6



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



#17

Pyrene

Concen: 0.07 ng/ul

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

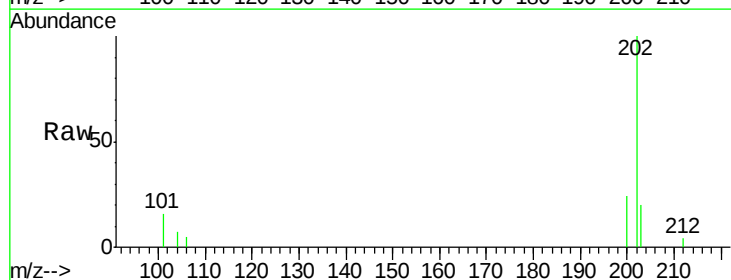
Tgt Ion:202 Resp: 2495

Ion Ratio Lower Upper

202 100

200 24.4 17.9 26.9

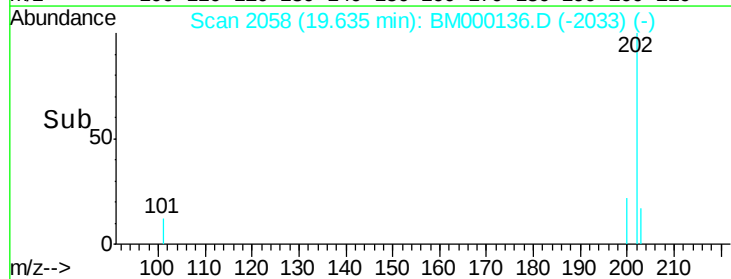
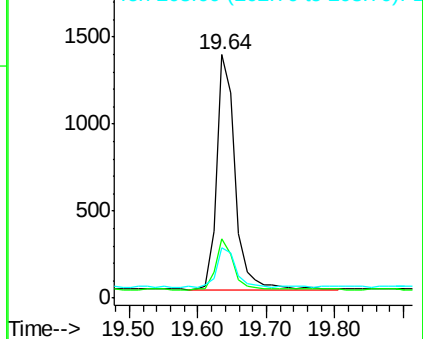
203 20.4 12.8 19.2#



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





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

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MDL-01-S

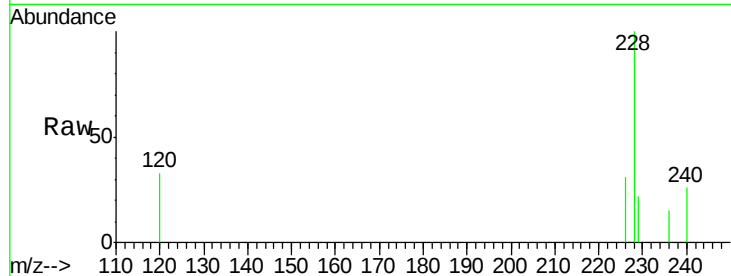
Tgt Ion:228 Resp: 1967

Ion Ratio Lower Upper

228 100

226 30.5 20.8 31.2

229 22.1 15.5 23.3

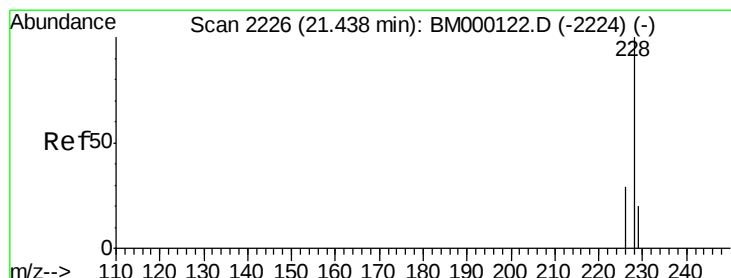
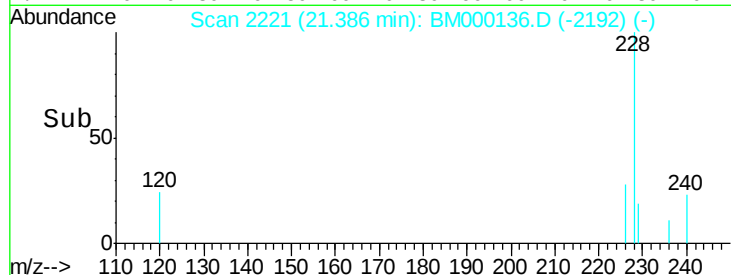
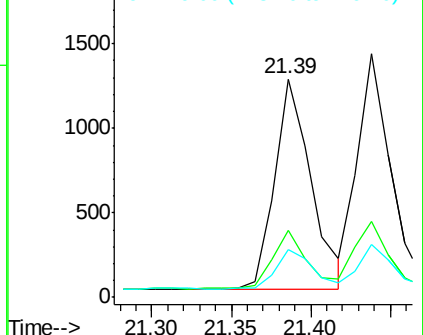


Abundance

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



#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

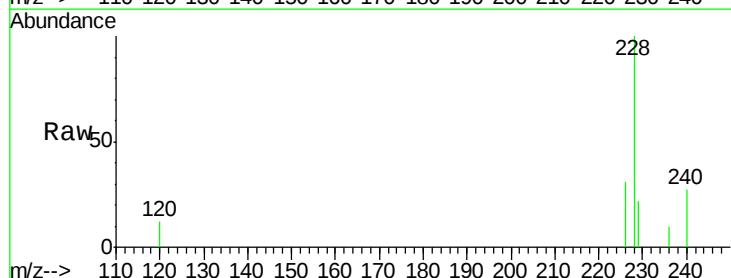
Tgt Ion:228 Resp: 2142

Ion Ratio Lower Upper

228 100

226 31.4 23.8 35.6

229 21.7 15.8 23.8

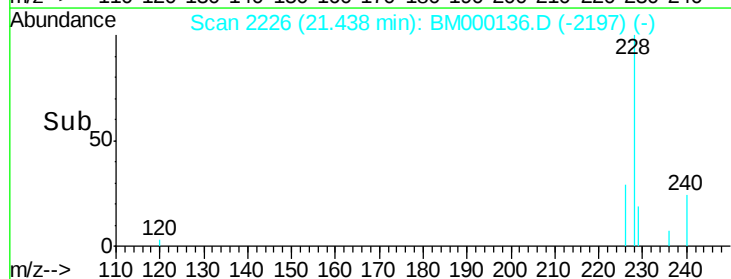
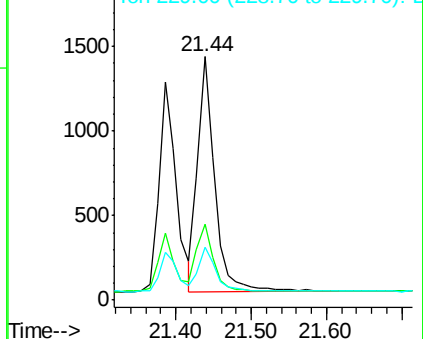


Abundance

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





#21

Benzo(b)fluoranthene

Concen: 0.06 ng/u1

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

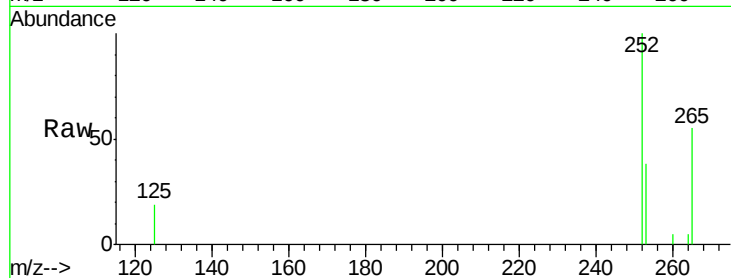
Tgt Ion:252 Resp: 2108

Ion Ratio Lower Upper

252 100

253 38.3 0.0 48.2

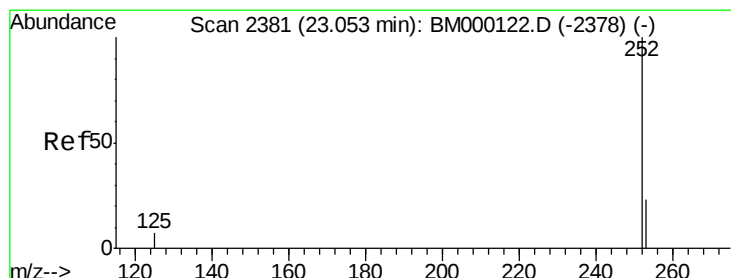
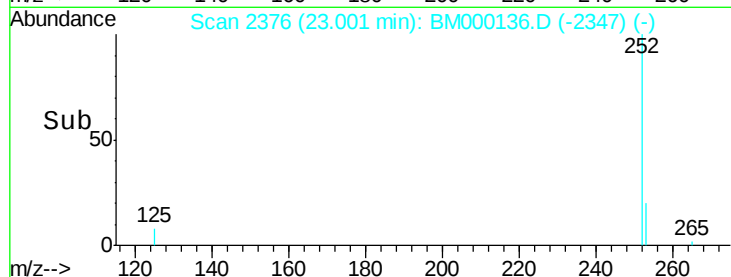
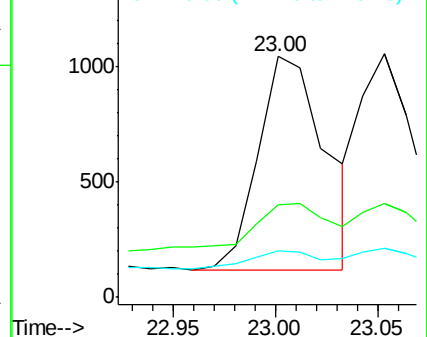
125 19.1 0.0 21.6



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



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/u1

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

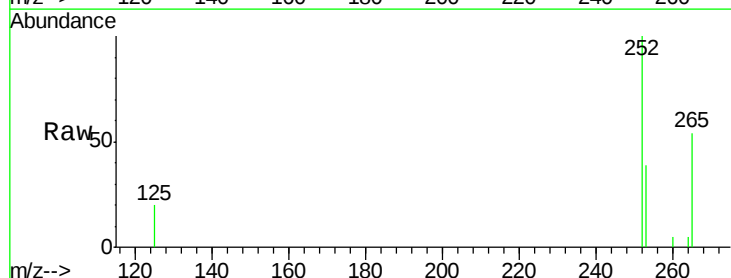
Tgt Ion:252 Resp: 1970

Ion Ratio Lower Upper

252 100

253 38.6 20.5 30.7#

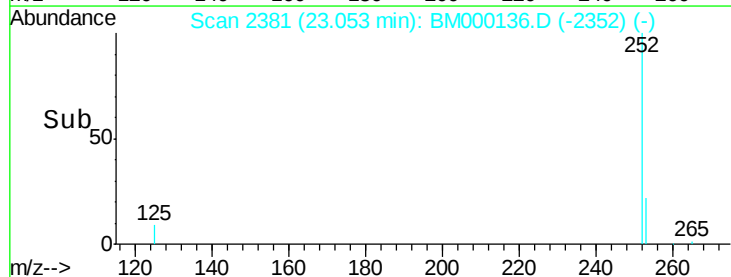
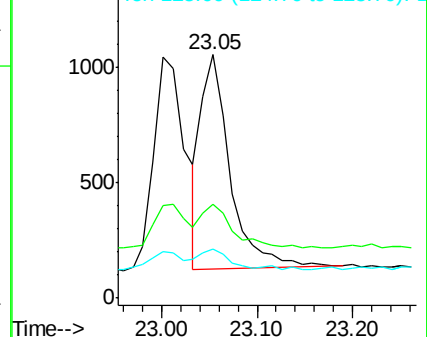
125 20.1 7.8 11.8#

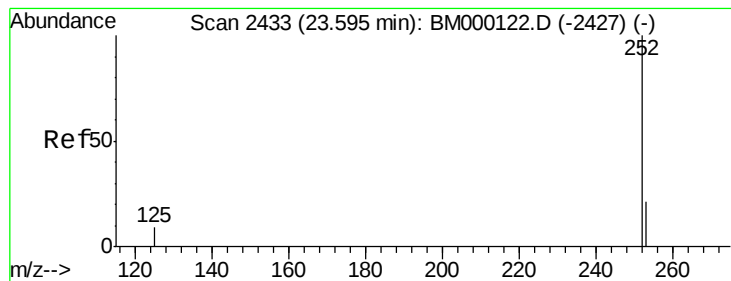


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

Instrument :

BNA_M

ClientSampled :

MDL-01-S

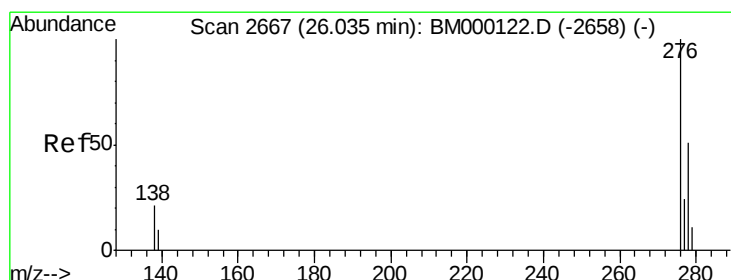
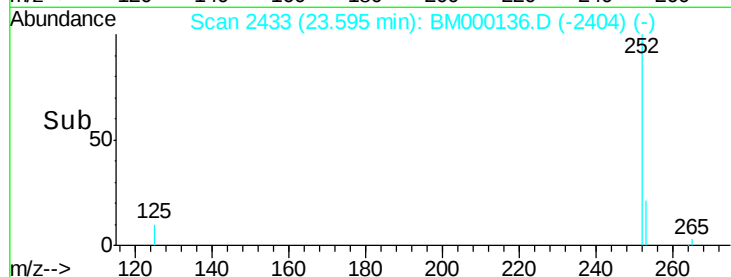
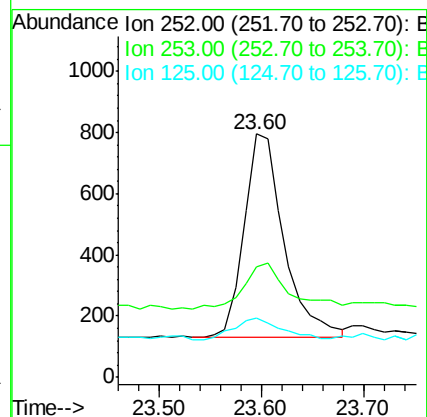
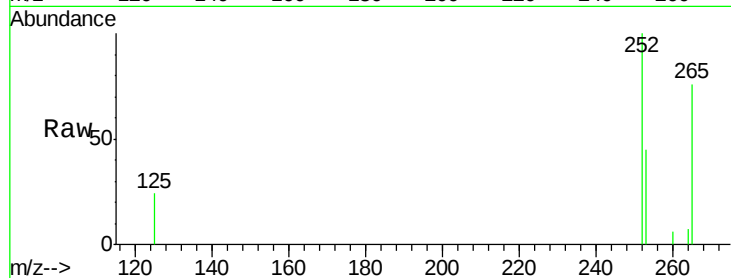
Tgt Ion:252 Resp: 1811

Ion Ratio Lower Upper

252 100

253 45.2 19.8 29.6#

125 24.5 9.2 13.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000136.D

Acq: 07 Jan 2015 20:35

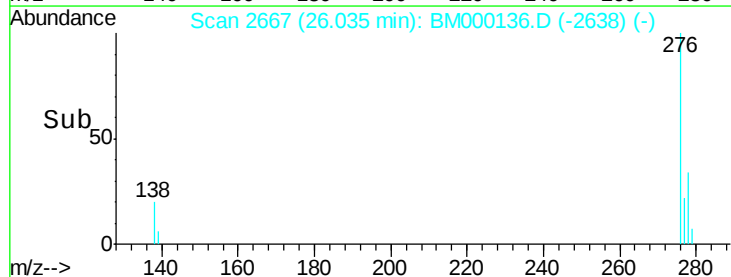
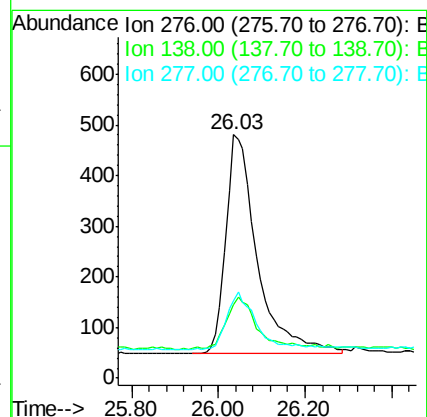
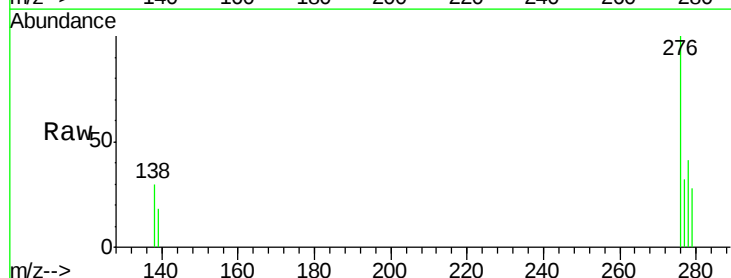
Tgt Ion:276 Resp: 2195

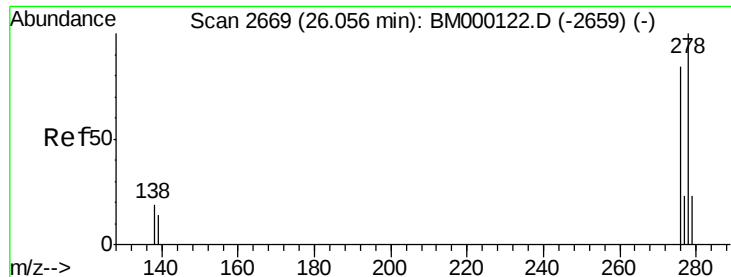
Ion Ratio Lower Upper

276 100

138 22.1 17.6 26.4

277 23.1 19.9 29.9

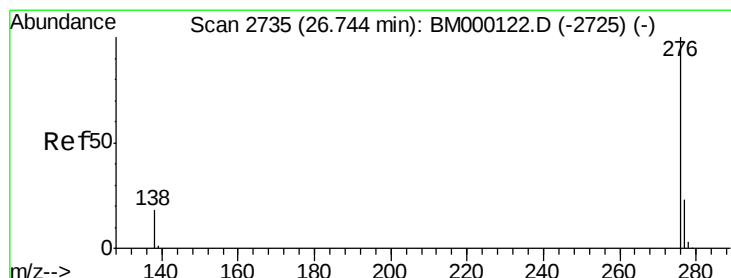
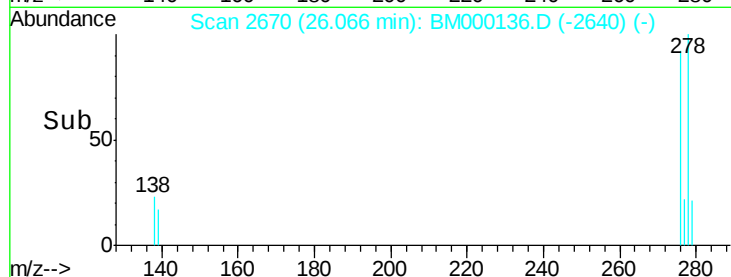
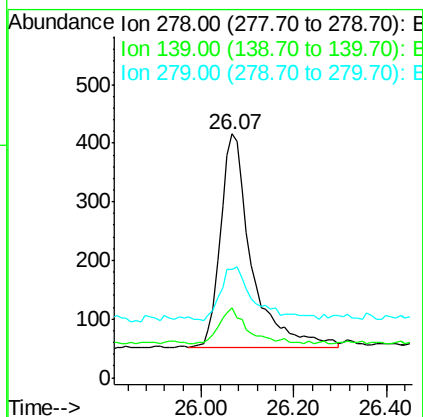
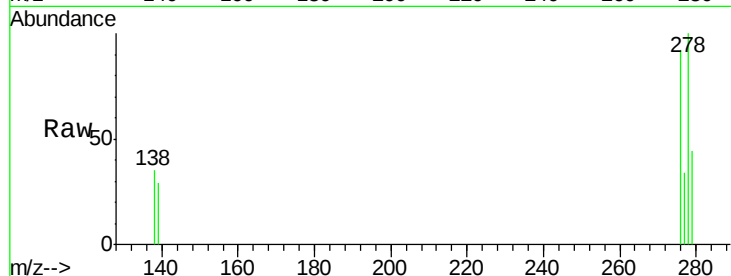




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000136.D
Acq: 07 Jan 2015 20:35

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:278 Resp: 1694
Ion Ratio Lower Upper
278 100
139 28.6 12.6 18.8#
279 44.2 20.6 30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BM000136.D
Acq: 07 Jan 2015 20:35

Tgt Ion:276 Resp: 2012
Ion Ratio Lower Upper
276 100
277 32.5 20.0 30.0#
138 30.1 15.7 23.5#

