

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
 Data File : BM000138.D
 Acq On : 07 Jan 2015 21:46
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

Quant Time: Jan 08 12:05:23 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 10:41:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2960	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9505	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5576	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10488	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8958	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8174	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	4805	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8534	0.38	ng/ul	0.00

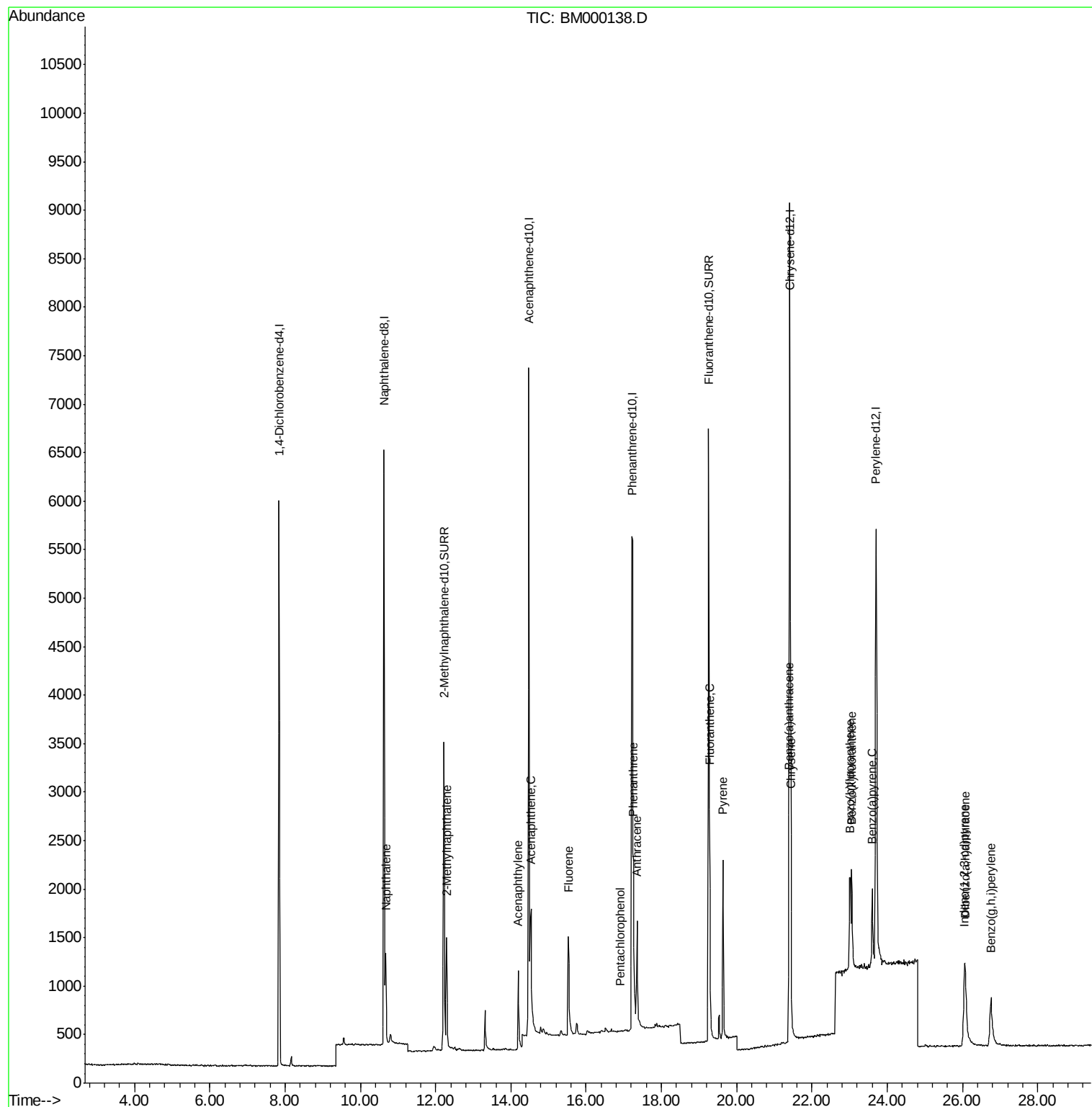
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.68	128	1417	0.06	ng/ul#	87
5) 2-Methylnaphthalene	12.29	142	885	0.05	ng/ul	97
7) Acenaphthylene	14.20	152	1415	0.05	ng/ul#	88
8) Acenaphthene	14.54	153	956	0.05	ng/ul	95
9) Fluorene	15.52	166	1060	0.05	ng/ul#	85
11) Pentachlorophenol	16.90	266	15	0.01	ng/ul#	44
12) Phenanthrene	17.26	178	1780	0.05	ng/ul#	89
13) Anthracene	17.35	178	1674	0.06	ng/ul#	88
15) Fluoranthene	19.27	202	2061	0.06	ng/ul	91
17) Pyrene	19.64	202	2114	0.06	ng/ul#	93
18) Benzo(a)anthracene	21.39	228	1690	0.06	ng/ul	92
19) Chrysene	21.44	228	1821	0.06	ng/ul	96
21) Benzo(b)fluoranthene	23.01	252	1717	0.05	ng/ul	65
22) Benzo(k)fluoranthene	23.05	252	1700	0.06	ng/ul#	69
23) Benzo(a)pyrene	23.60	252	1707	0.06	ng/ul#	57
24) Indeno(1,2,3-cd)pyrene	26.05	276	1830	0.06	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.07	278	1432	0.05	ng/ul#	59
26) Benzo(g,h,i)perylene	26.75	276	1666	0.06	ng/ul#	77

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

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

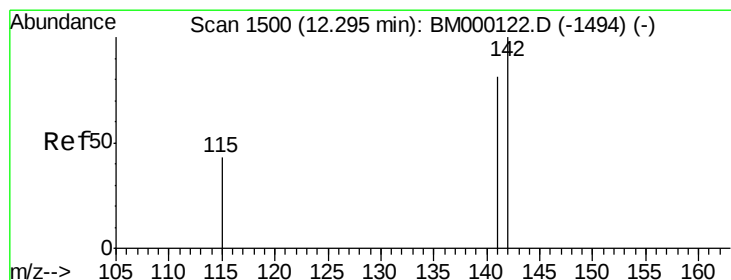
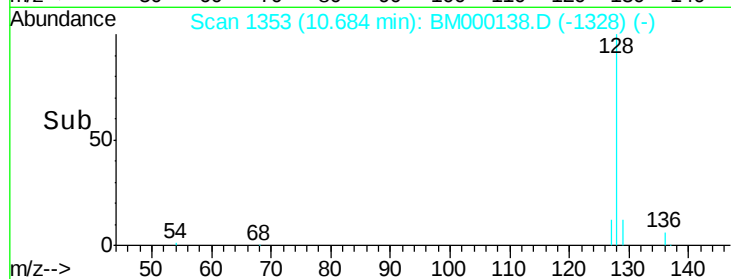
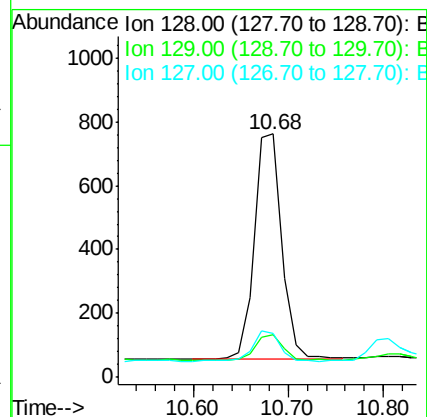
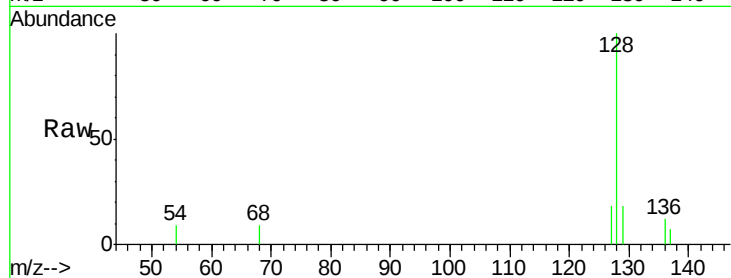
Tot Ion:128 Resp: 1417

Ion Ratio Lower Upper

128 100

129 17.6 9.5 14.3#

127 17.8 10.4 15.6#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000138.D

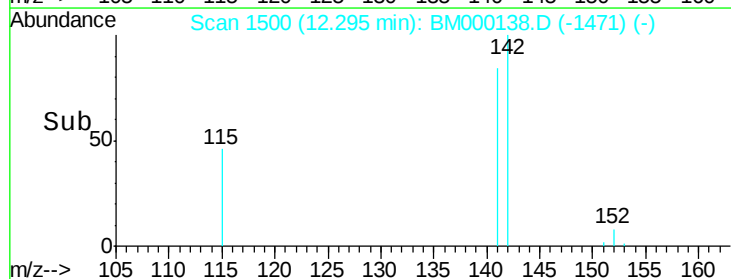
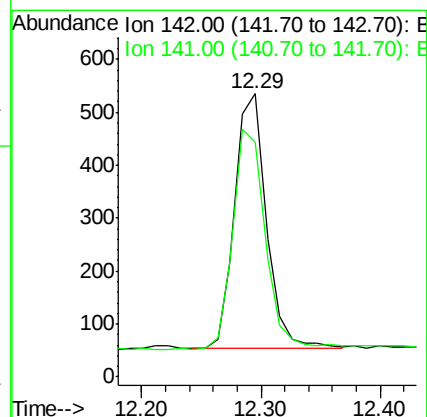
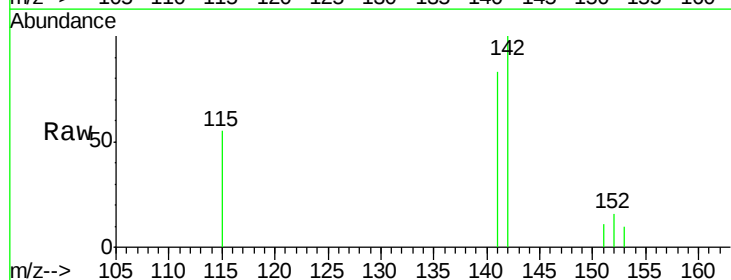
Acq: 07 Jan 2015 21:46

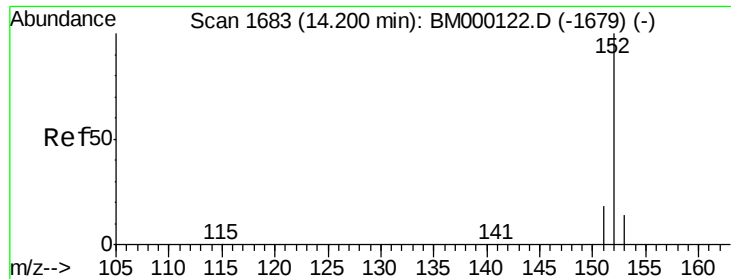
Tgt Ion:142 Resp: 885

Ion Ratio Lower Upper

142 100

141 88.6 68.9 103.3





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

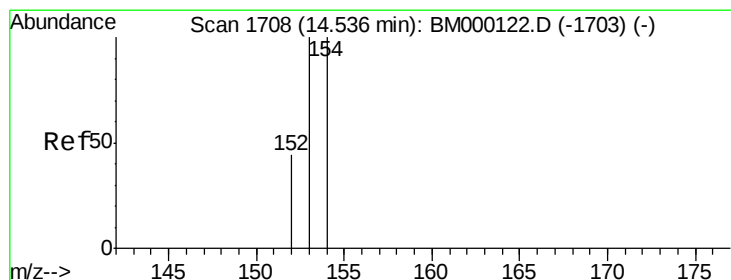
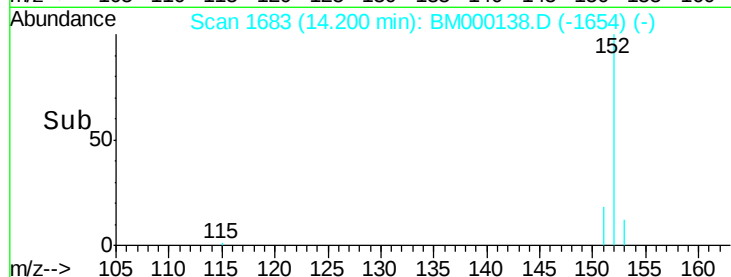
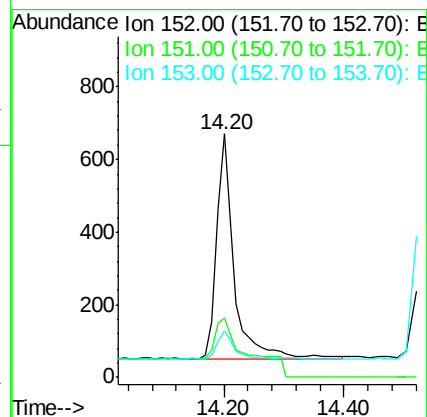
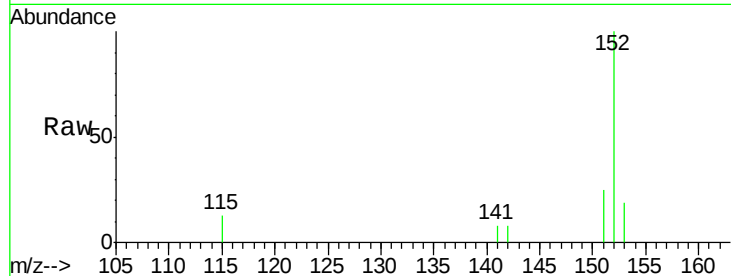
Tot Ion:152 Resp: 1415

Ion Ratio Lower Upper

152 100

151 24.6 15.4 23.2#

153 19.1 11.0 16.4#



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

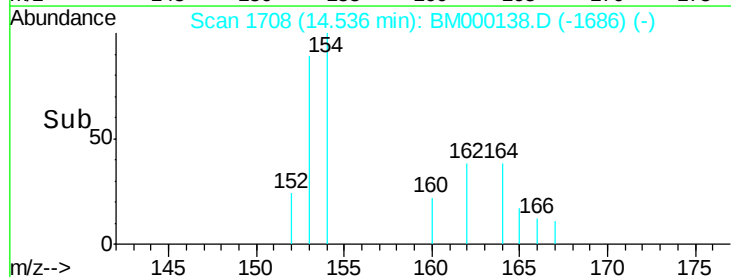
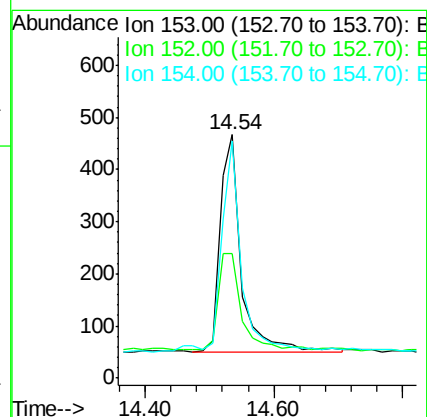
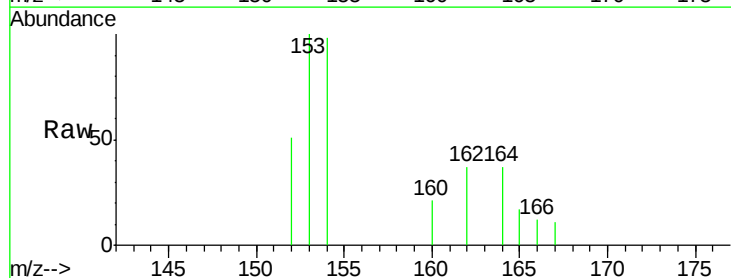
Tgt Ion:153 Resp: 956

Ion Ratio Lower Upper

153 100

152 51.2 35.8 53.6

154 97.6 79.9 119.9





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

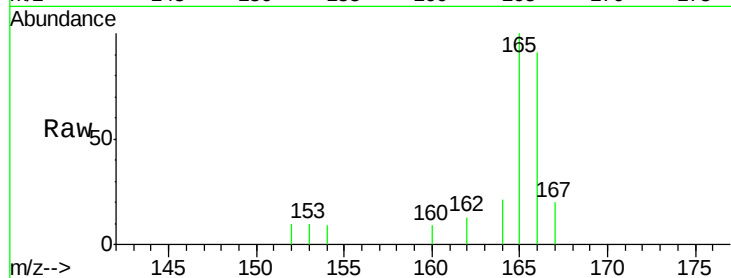
Tot Ion:166 Resp: 1060

Ion Ratio Lower Upper

166 100

165 109.7 77.0 115.4

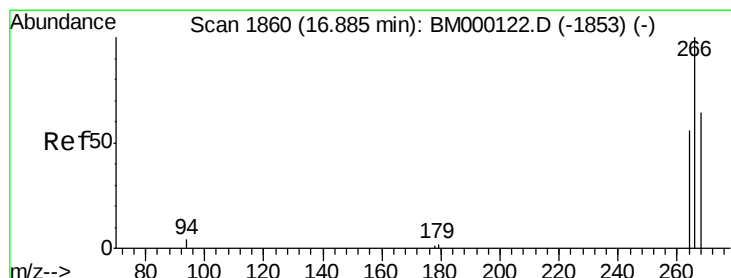
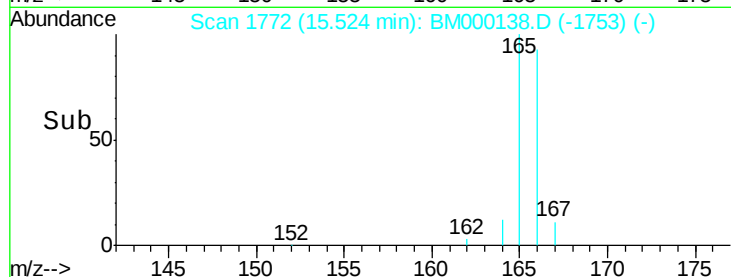
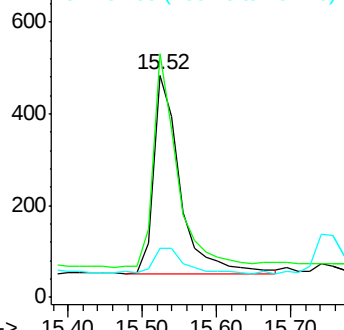
167 21.9 11.0 16.6#



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



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.90 min Scan# 1861

Delta R.T. 0.02 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

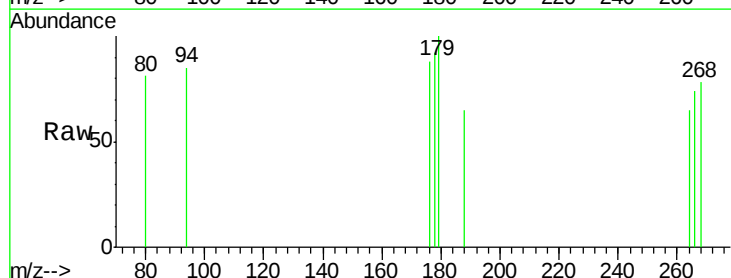
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 40.0 53.9 80.9#

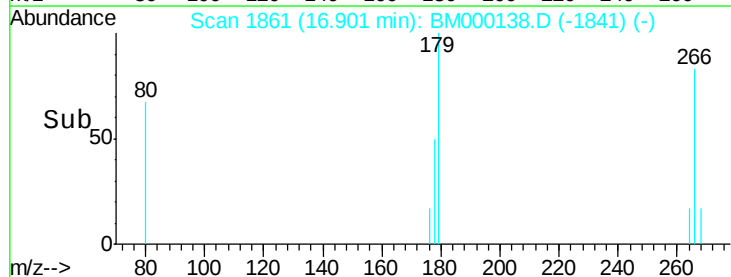
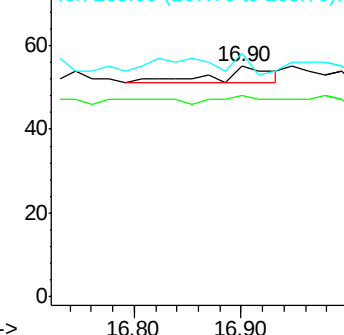
268 0.0 49.2 73.8#

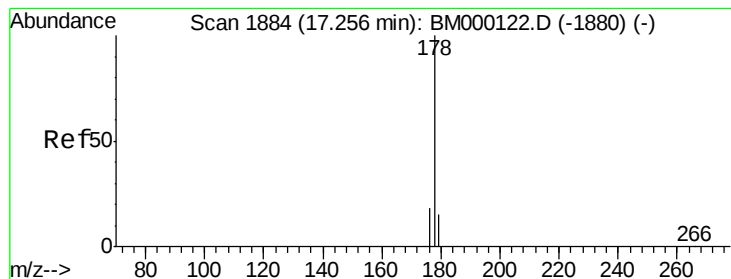


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

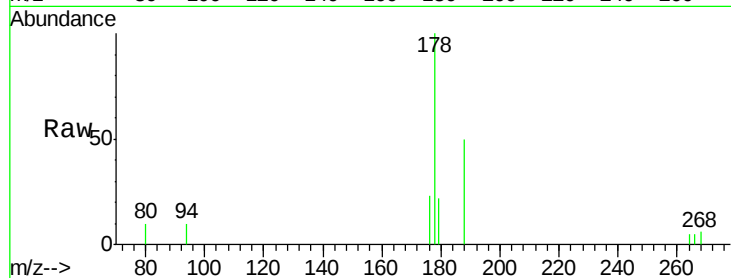
Tot Ion:178 Resp: 1780

Ion Ratio Lower Upper

178 100

176 23.5 15.1 22.7#

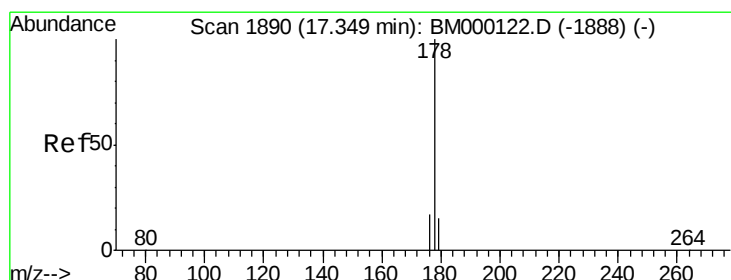
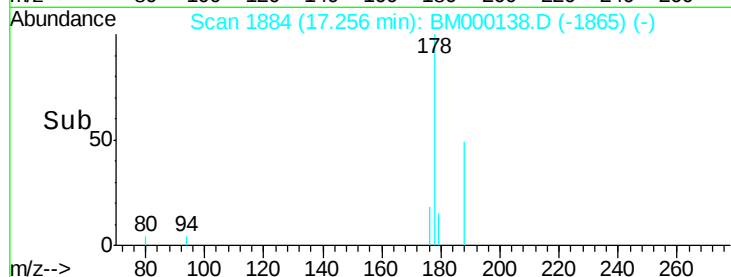
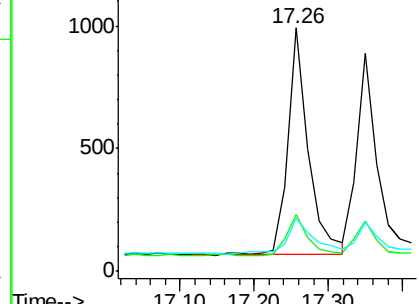
179 21.6 13.0 19.4#



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: BM000138.D

Acq: 07 Jan 2015 21:46

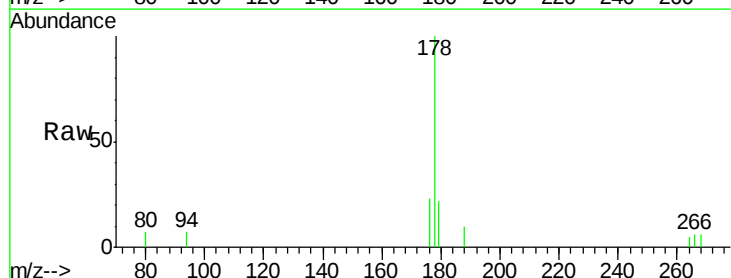
Tgt Ion:178 Resp: 1674

Ion Ratio Lower Upper

178 100

176 22.9 14.6 21.8#

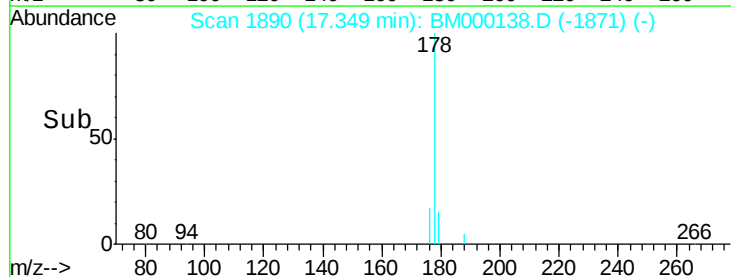
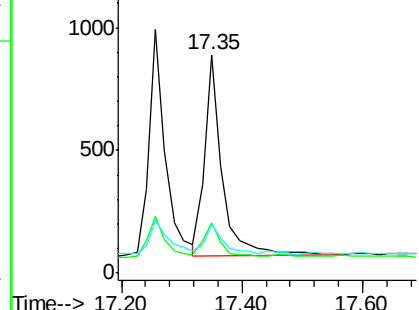
179 22.4 13.1 19.7#

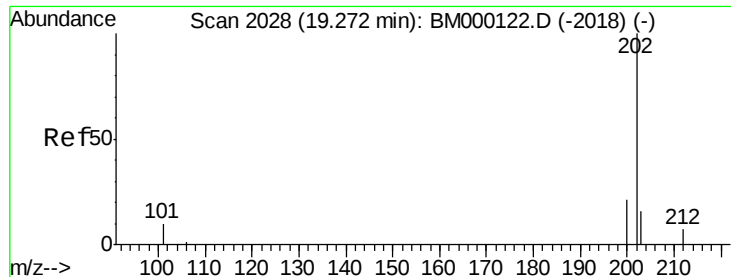


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.06 ng/ul

RT: 19.27 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

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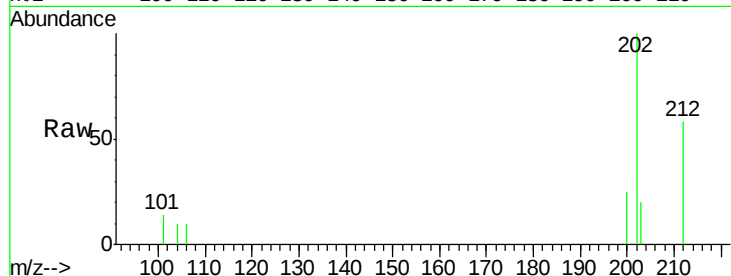
Tot Ion:202 Resp: 2061

Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.5

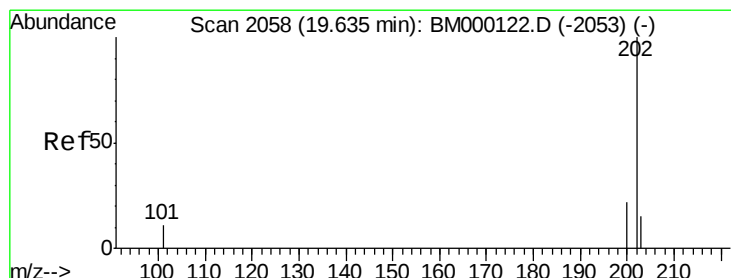
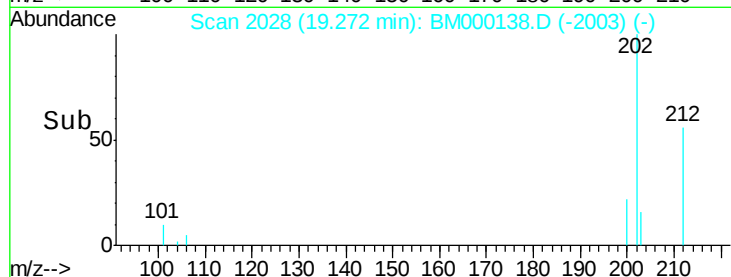
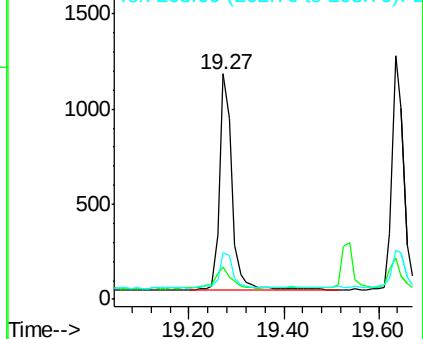
203 20.4 0.0 36.6



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: 0.06 ng/ul

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

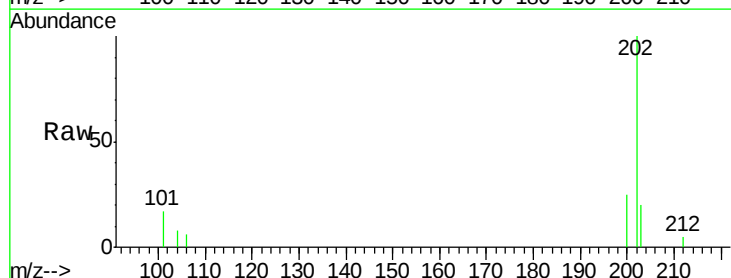
Tgt Ion:202 Resp: 2114

Ion Ratio Lower Upper

202 100

200 24.6 17.9 26.9

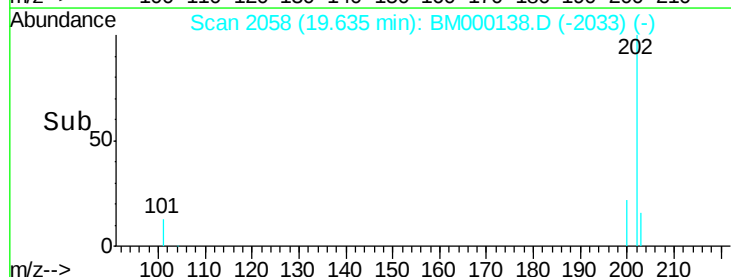
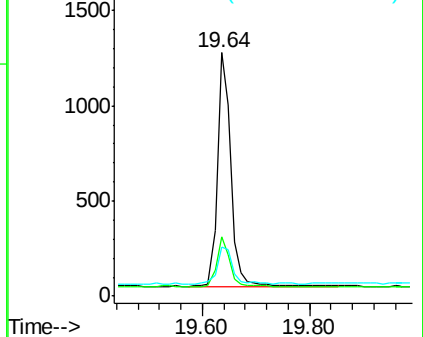
203 20.2 12.8 19.2#



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

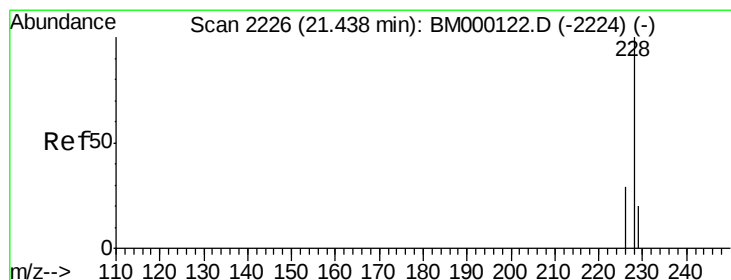
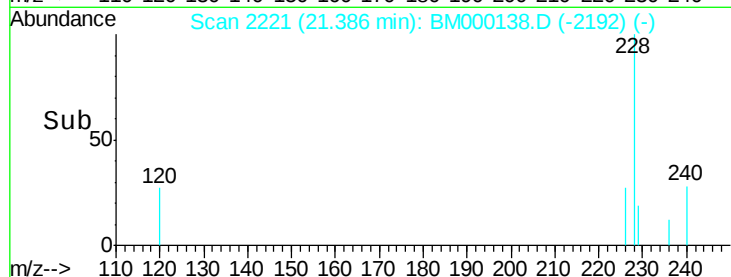
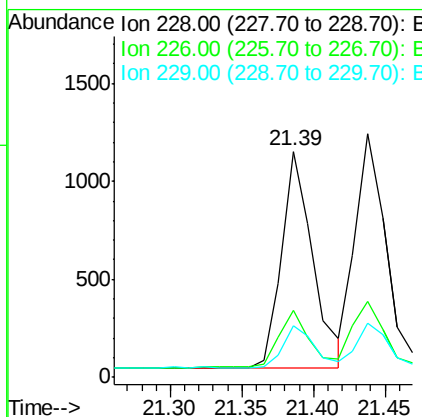
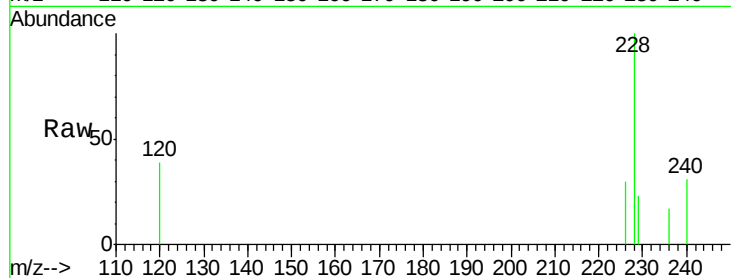




#18
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM000138.D
Acq: 07 Jan 2015 21:46

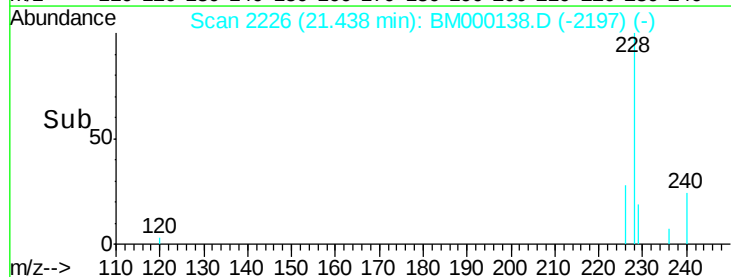
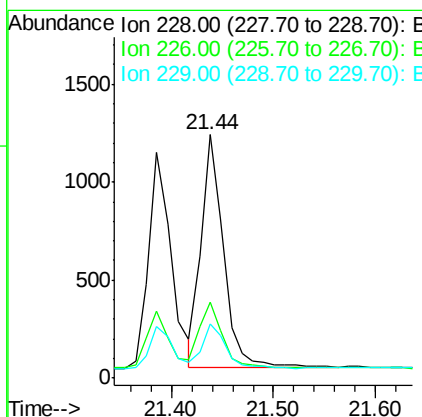
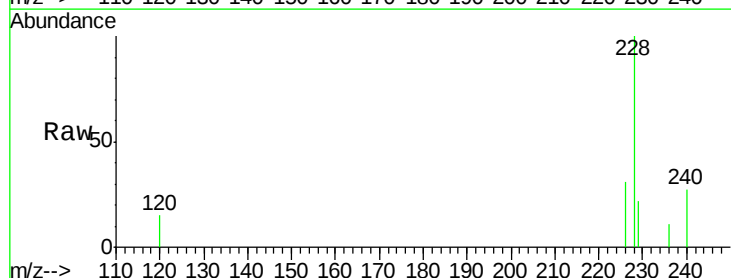
Instrument :
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ClientSampleId :
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Tot Ion:228 Resp: 1690
Ion Ratio Lower Upper
228 100
226 29.8 20.8 31.2
229 22.9 15.5 23.3



#19
Chrysene
Concen: 0.06 ng/ul
RT: 21.44 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BM000138.D
Acq: 07 Jan 2015 21:46

Tgt Ion:228 Resp: 1821
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.6
229 22.5 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

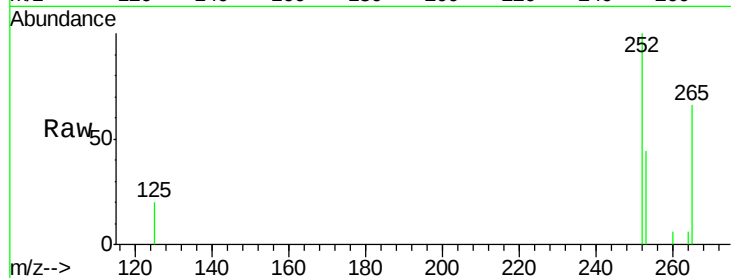
Tot Ion:252 Resp: 1717

Ion Ratio Lower Upper

252 100

253 43.7 0.0 48.2

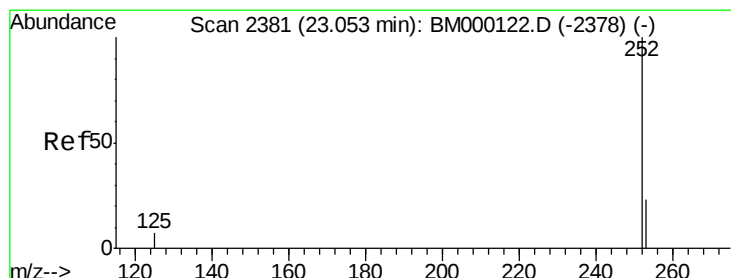
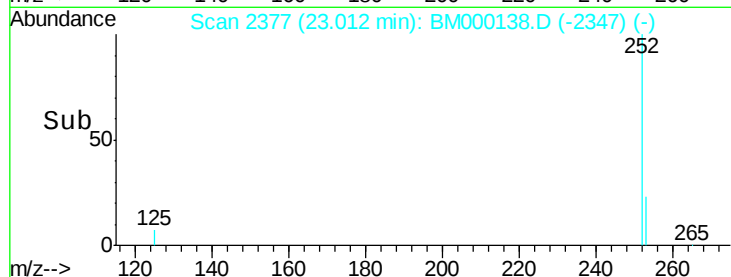
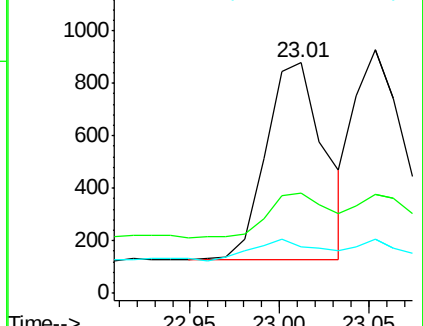
125 20.3 0.0 21.6



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/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

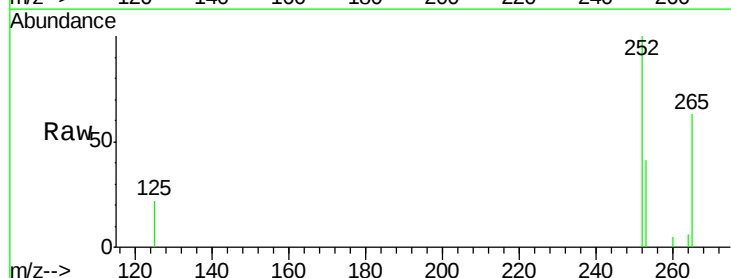
Tgt Ion:252 Resp: 1700

Ion Ratio Lower Upper

252 100

253 40.9 20.5 30.7#

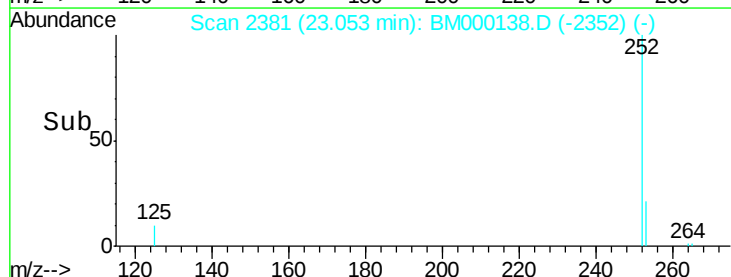
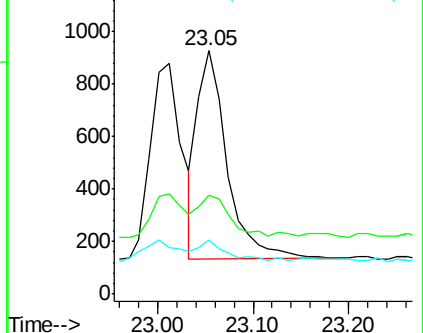
125 22.3 7.8 11.8#



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: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

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ClientSampleId :

MDL-03-S

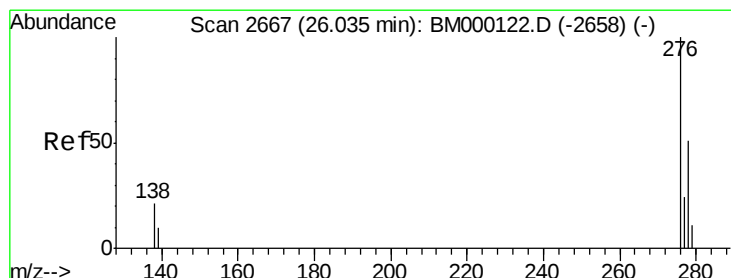
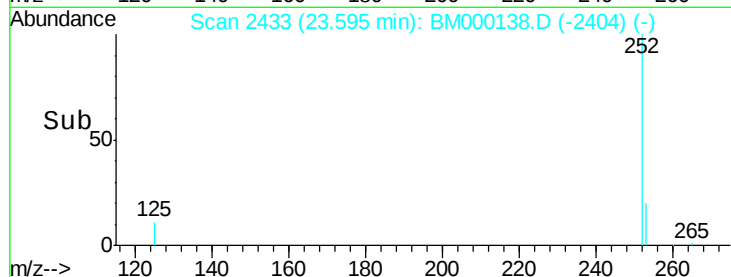
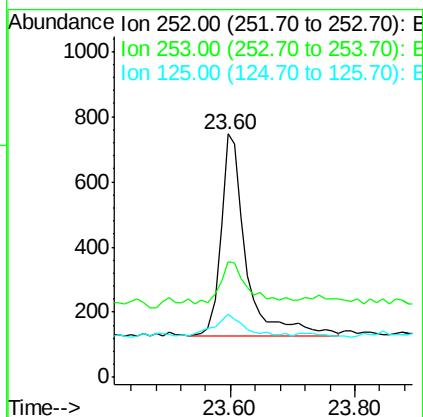
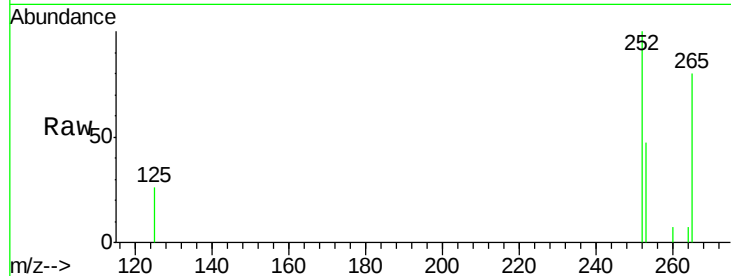
Tot Ion:252 Resp: 1707

Ion Ratio Lower Upper

252 100

253 47.4 19.8 29.6#

125 26.1 9.2 13.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

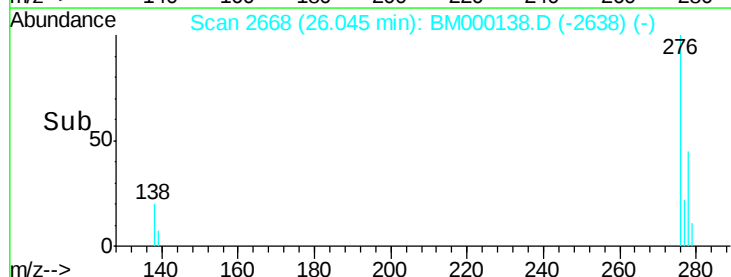
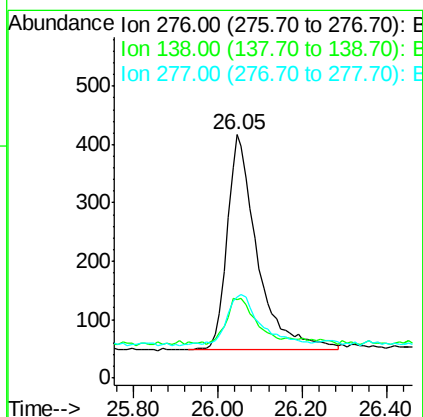
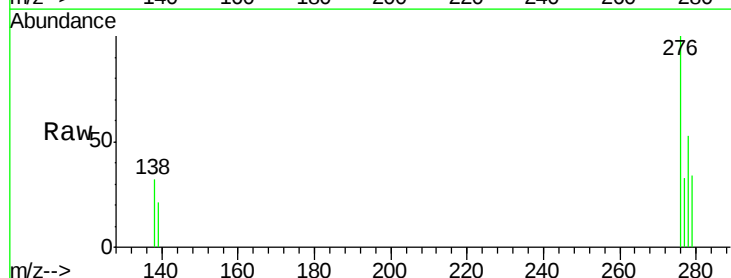
Tgt Ion:276 Resp: 1830

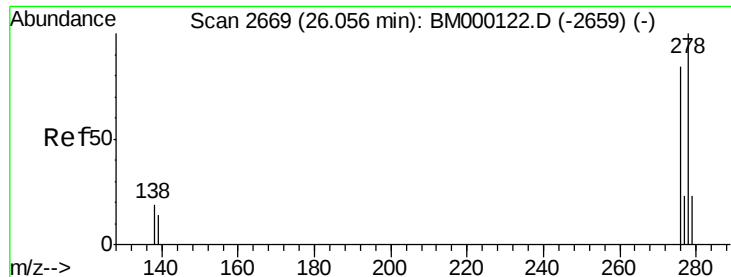
Ion Ratio Lower Upper

276 100

138 20.9 17.6 26.4

277 0.0 19.9 29.9#





#25

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 26.07 min Scan# 2670

Delta R.T. 0.01 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

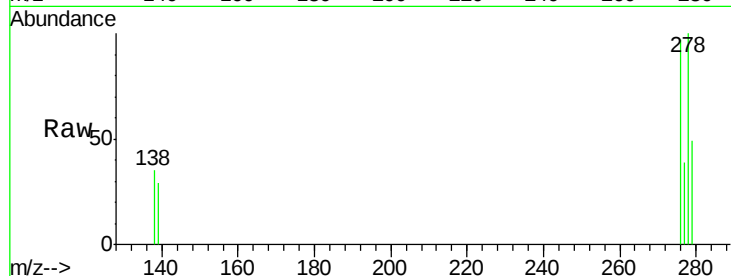
Tot Ion:278 Resp: 1432

Ion Ratio Lower Upper

278 100

139 28.8 12.6 18.8#

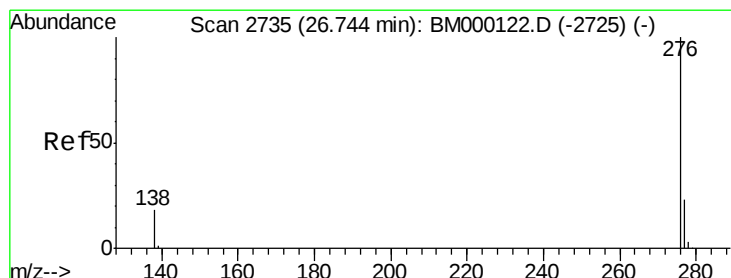
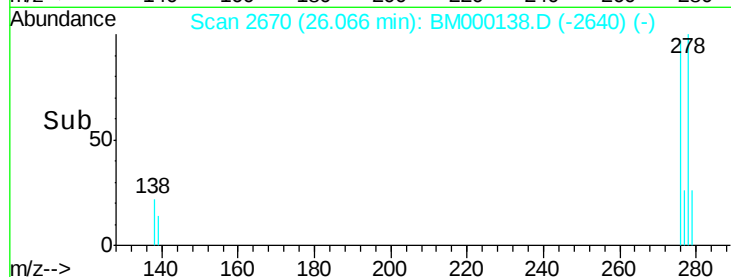
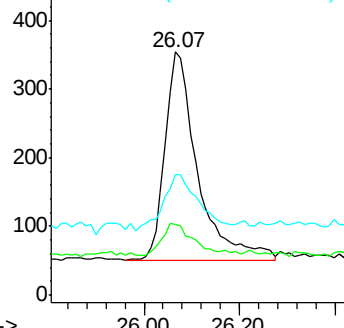
279 49.4 20.6 30.8#



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



#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.75 min Scan# 2736

Delta R.T. 0.01 min

Lab File: BM000138.D

Acq: 07 Jan 2015 21:46

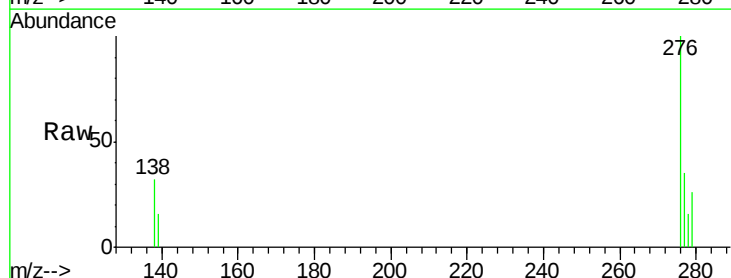
Tgt Ion:276 Resp: 1666

Ion Ratio Lower Upper

276 100

277 35.2 20.0 30.0#

138 31.6 15.7 23.5#



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

