

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000130.D
 Acq On : 07 Jan 2015 15:52
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Quant Time: Jan 08 03:41:23 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 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	2907	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9447	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5651	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10450	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8827	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7936	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	3720	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	6290	0.28	ng/ul	0.00

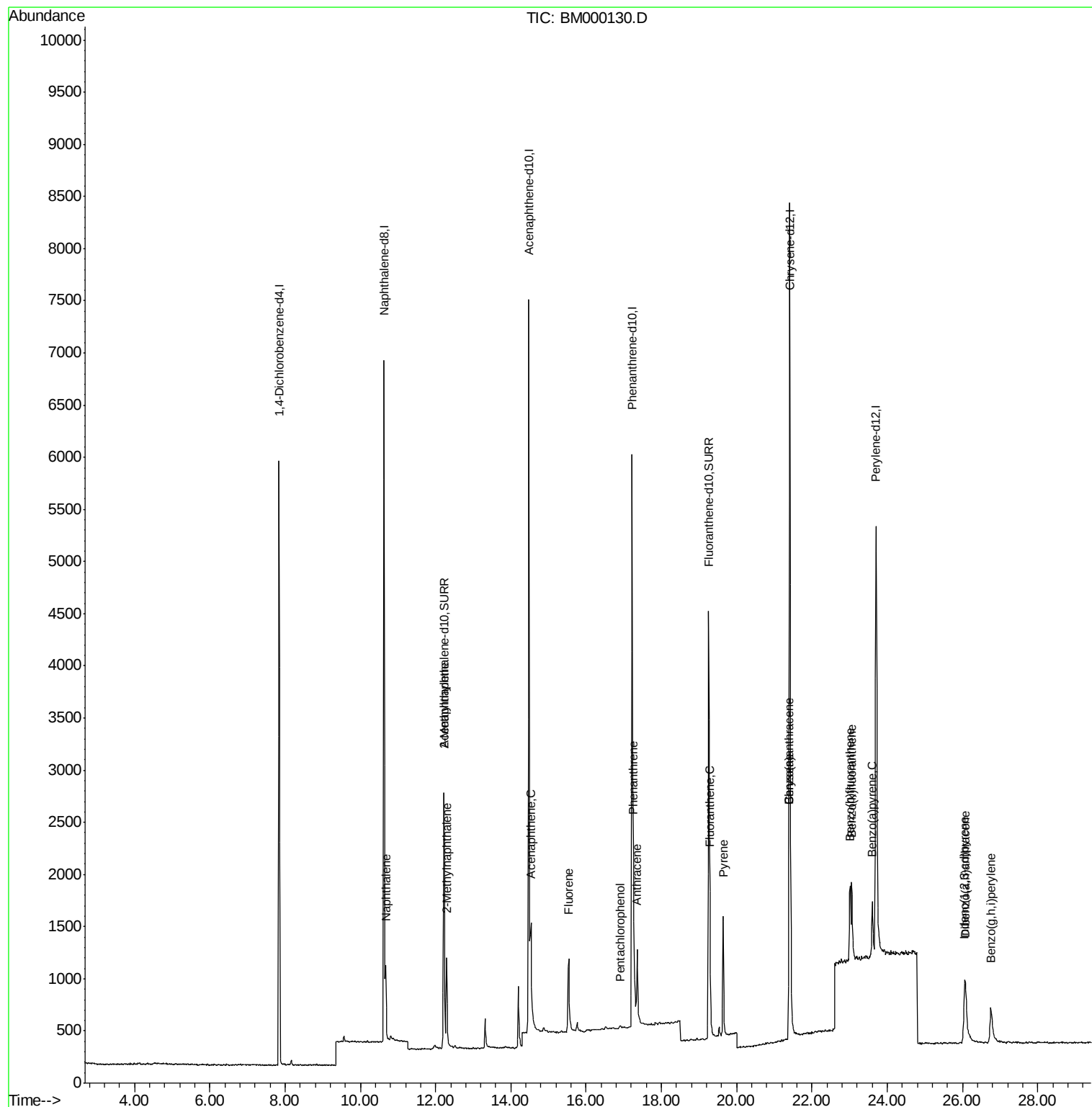
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1045	0.04	ng/ul#	83
5) 2-Methylnaphthalene	12.30	142	667	0.04	ng/ul	94
7) Acenaphthylene	12.22	152	3720	0.29	ng/ul	99
8) Acenaphthene	14.54	153	686	0.04	ng/ul	94
9) Fluorene	15.54	166	816	0.04	ng/ul#	95
11) Pentachlorophenol	16.90	266	33	0.02	ng/ul#	26
12) Phenanthrene	17.26	178	1299	0.04	ng/ul#	80
13) Anthracene	17.35	178	1233	0.04	ng/ul#	76
15) Fluoranthene	19.28	202	1538	0.04	ng/ul	84
17) Pyrene	19.65	202	1521	0.04	ng/ul#	88
18) Benzo(a)anthracene	21.39	228	1248	0.04	ng/ul#	90
19) Chrysene	21.39	228	1248	0.04	ng/ul	95
21) Benzo(b)fluoranthene	23.01	252	1237	0.04	ng/ul#	49
22) Benzo(k)fluoranthene	23.05	252	1357	0.05	ng/ul#	54
23) Benzo(a)pyrene	23.61	252	1206	0.04	ng/ul#	34
24) Indeno(1,2,3-cd)pyrene	26.06	276	1349	0.04	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.08	278	1068	0.04	ng/ul#	46
26) Benzo(g,h,i)perylene	26.75	276	1205	0.04	ng/ul#	64

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

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QLast Update : Thu Jan 08 02:20:43 2015
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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

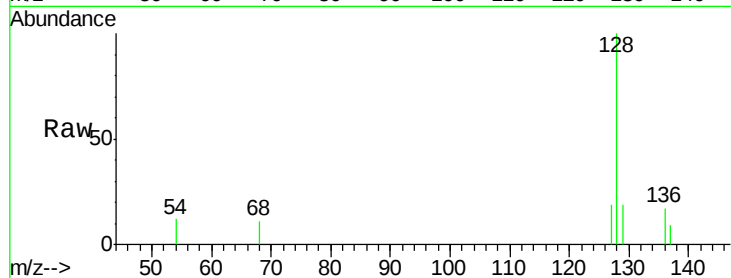
Tgt Ion:128 Resp: 1045

Ion Ratio Lower Upper

128 100

129 19.0 9.5 14.3#

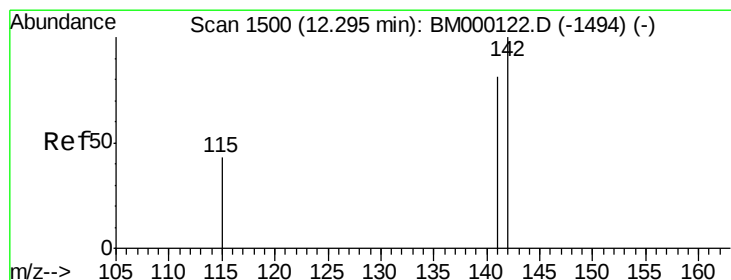
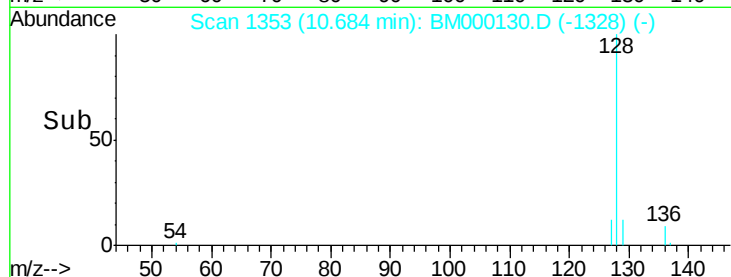
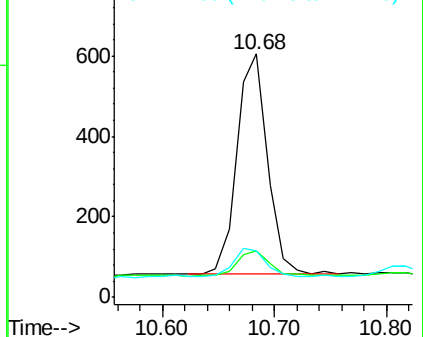
127 19.2 10.4 15.6#



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: 0.04 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000130.D

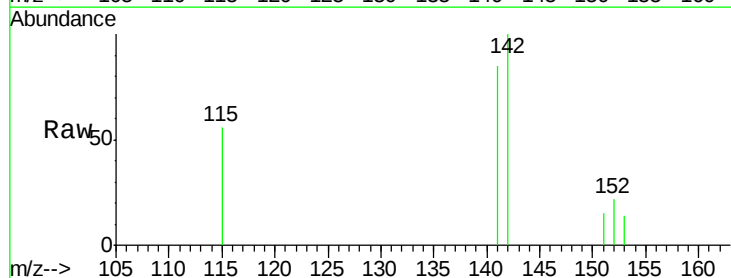
Acq: 07 Jan 2015 15:52

Tgt Ion:142 Resp: 667

Ion Ratio Lower Upper

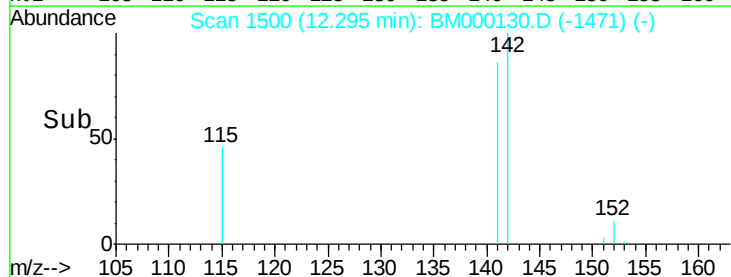
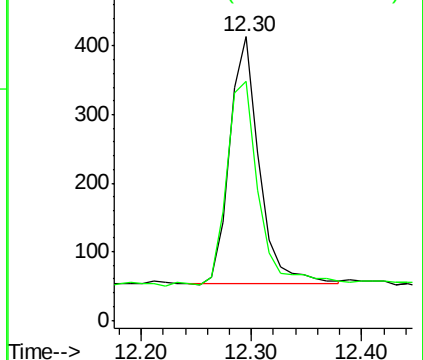
142 100

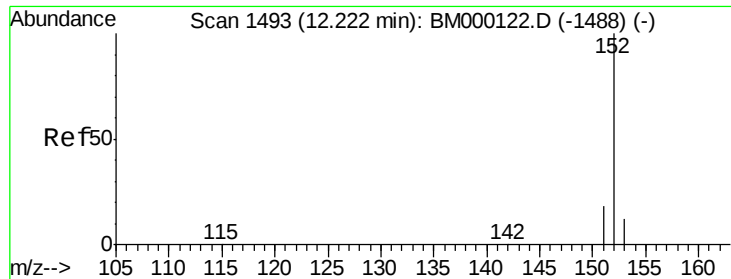
141 91.9 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.29 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

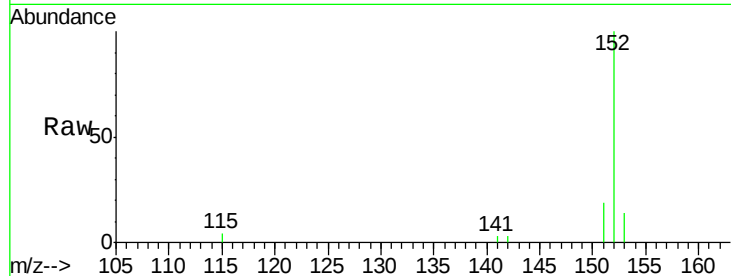
Tgt Ion:152 Resp: 3720

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.2

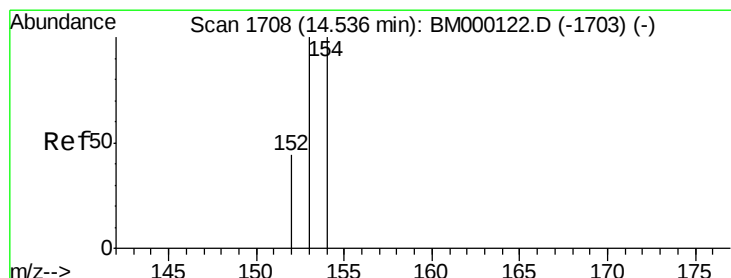
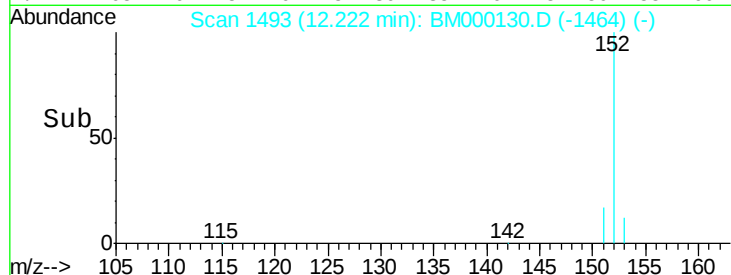
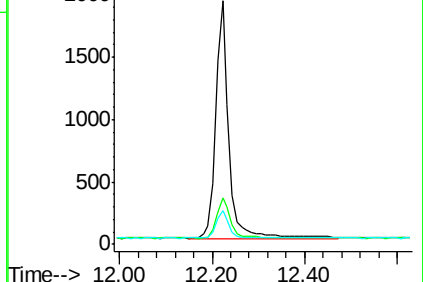
153 14.1 11.0 16.4



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



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

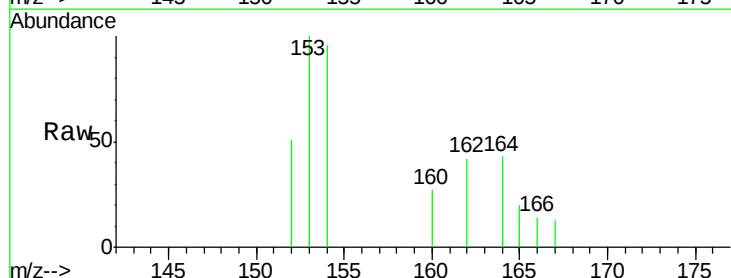
Tgt Ion:153 Resp: 686

Ion Ratio Lower Upper

153 100

152 50.5 35.8 53.6

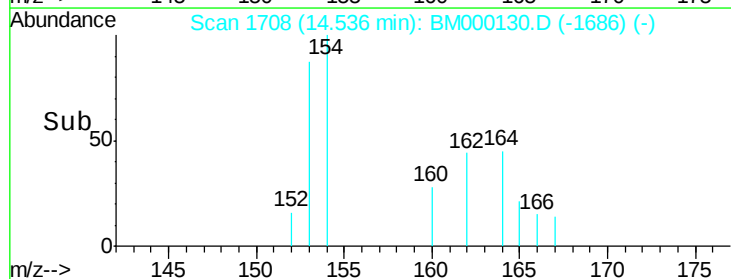
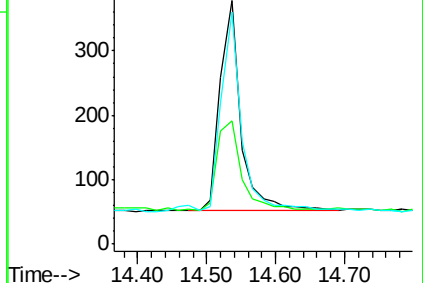
154 95.5 79.9 119.9



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





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.54 min Scan# 1773

Delta R.T. 0.02 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

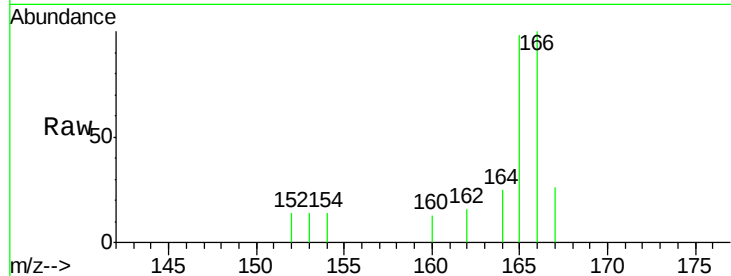
Tgt Ion:166 Resp: 816

Ion Ratio Lower Upper

166 100

165 98.1 77.0 115.4

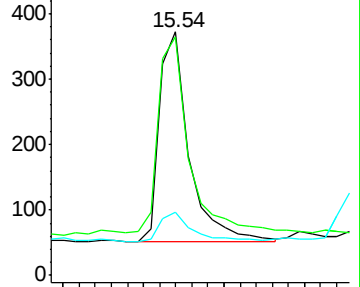
167 25.8 11.0 16.6#



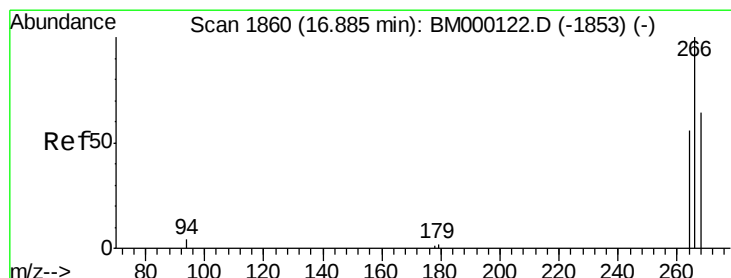
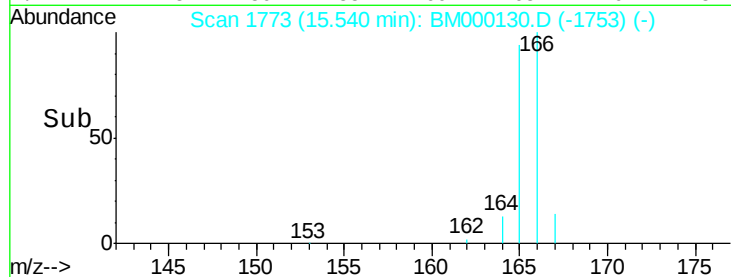
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.40 15.50 15.60 15.70



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.90 min Scan# 1861

Delta R.T. 0.02 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

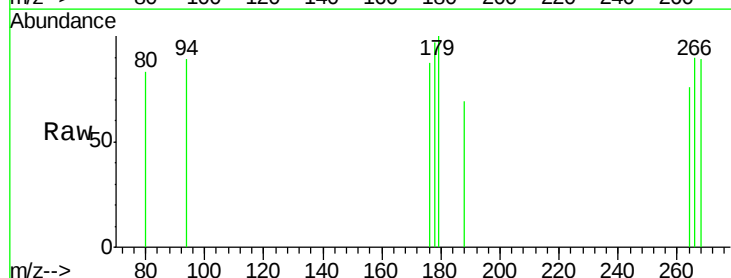
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 136.4 53.9 80.9#

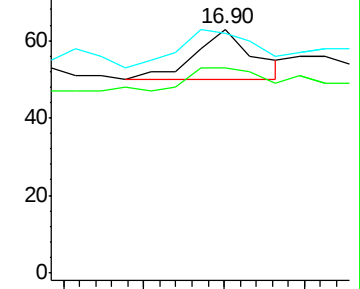
268 109.1 49.2 73.8#



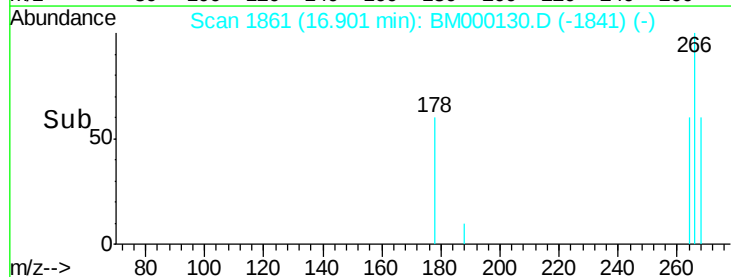
Abundance Ion 266.00 (265.70 to 266.70): E

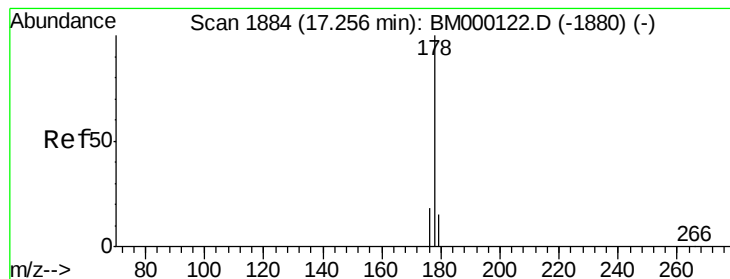
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.80 16.85 16.90 16.95





#12

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

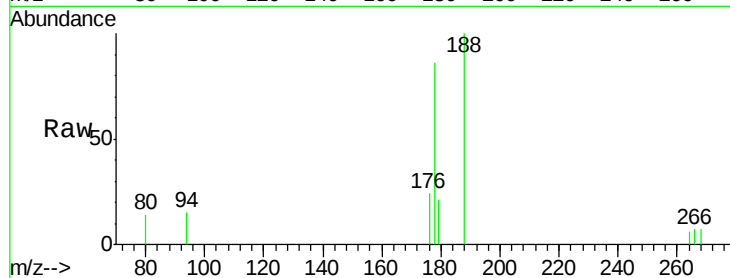
Tgt Ion:178 Resp: 1299

Ion Ratio Lower Upper

178 100

176 27.4 15.1 22.7#

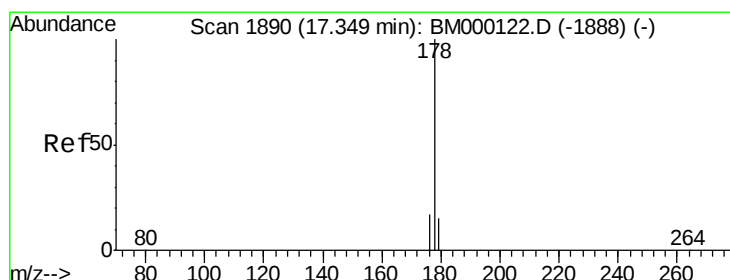
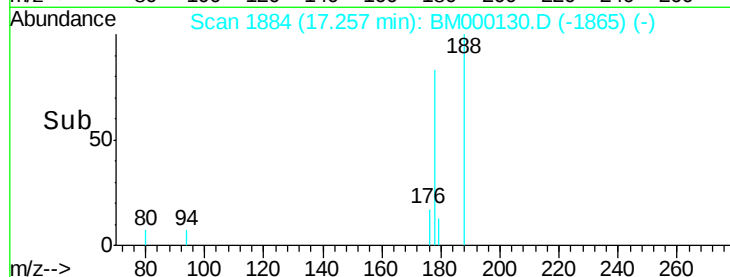
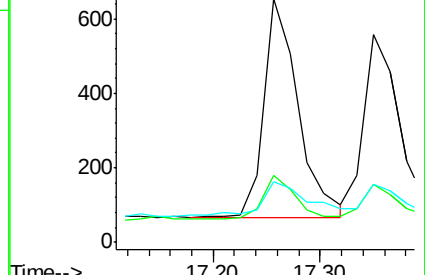
179 24.9 13.0 19.4#



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: 0.04 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

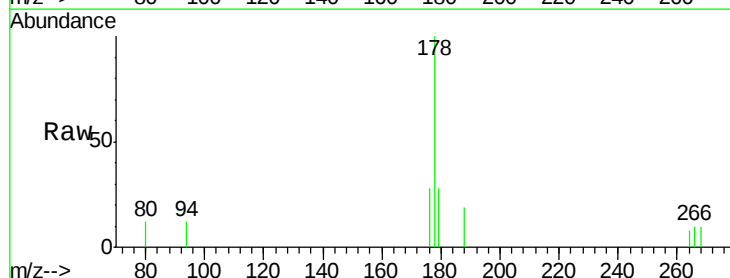
Tgt Ion:178 Resp: 1233

Ion Ratio Lower Upper

178 100

176 28.1 14.6 21.8#

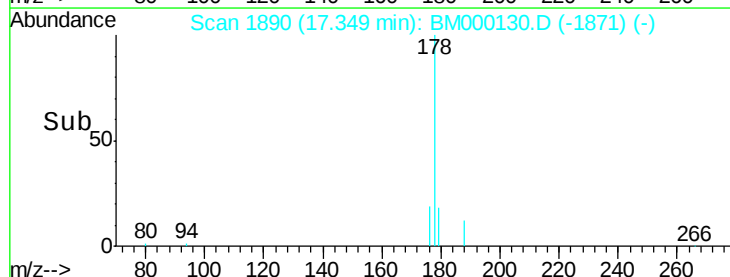
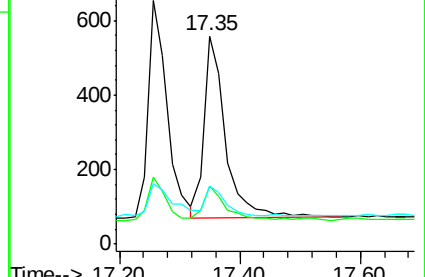
179 27.9 13.1 19.7#

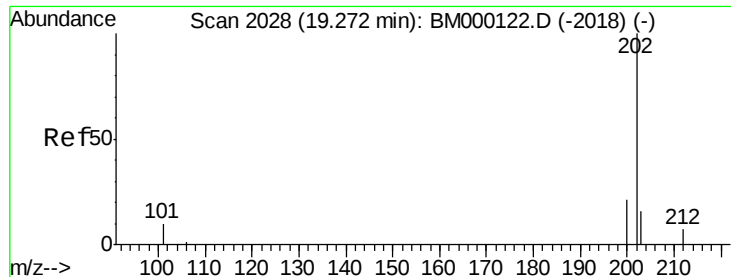


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

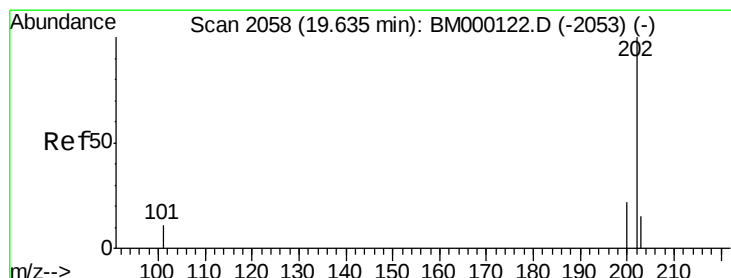
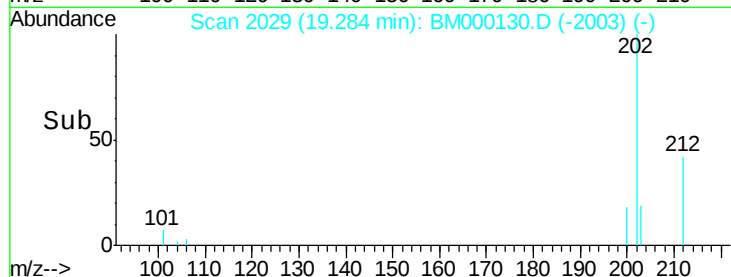
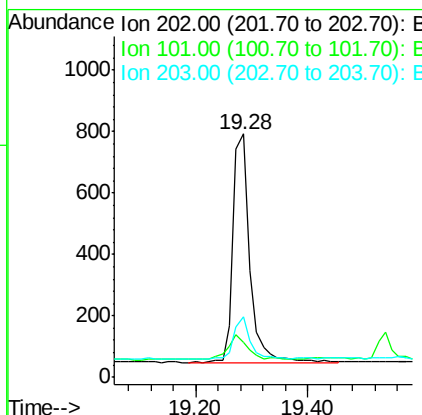
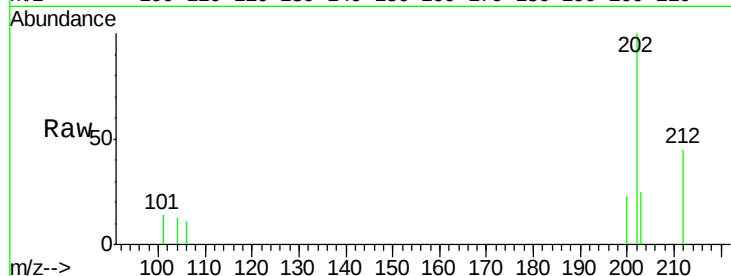




#15
Fluoranthene
 Concen: 0.04 ng/ul
 RT: 19.28 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BM000130.D
 Acq: 07 Jan 2015 15:52

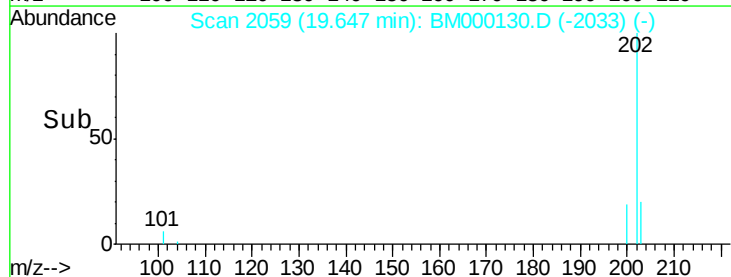
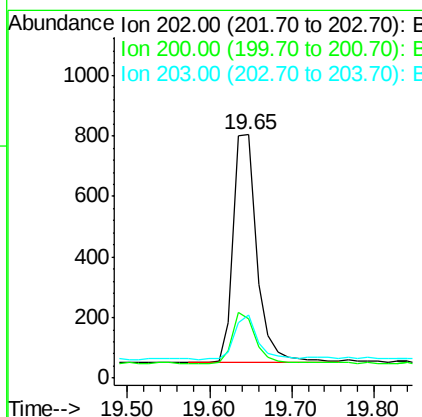
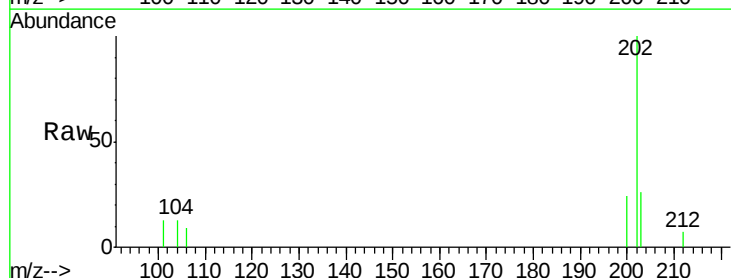
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

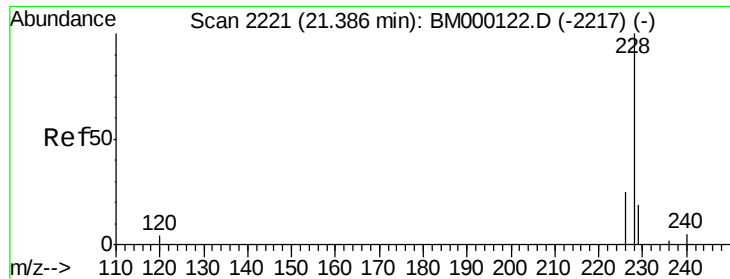
Tgt Ion:202 Resp: 1538
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 30.5
 203 25.1 0.0 36.6



#17
Pyrene
 Concen: 0.04 ng/ul
 RT: 19.65 min Scan# 2059
 Delta R.T. 0.01 min
 Lab File: BM000130.D
 Acq: 07 Jan 2015 15:52

Tgt Ion:202 Resp: 1521
 Ion Ratio Lower Upper
 202 100
 200 24.1 17.9 26.9
 203 26.1 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

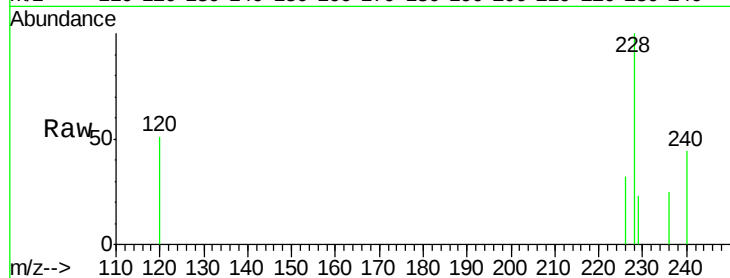
Tgt Ion:228 Resp: 1248

Ion Ratio Lower Upper

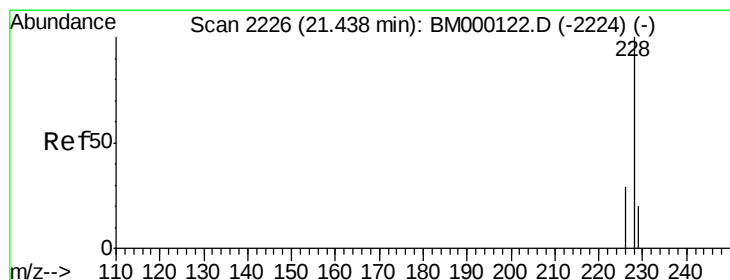
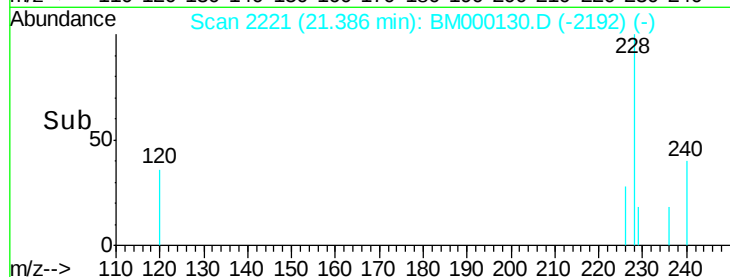
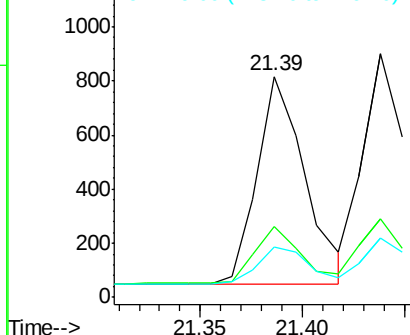
228 100

226 31.9 20.8 31.2#

229 23.0 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: 0.04 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. -0.05 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

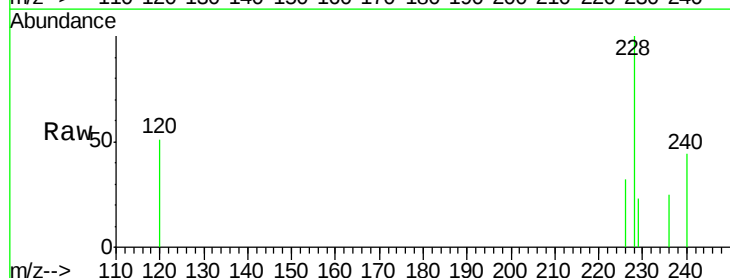
Tgt Ion:228 Resp: 1248

Ion Ratio Lower Upper

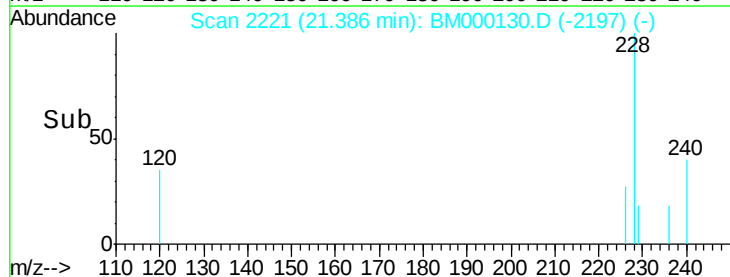
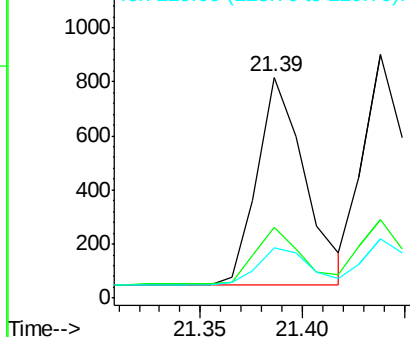
228 100

226 31.9 23.8 35.6

229 23.0 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: 0.04 ng/u1

RT: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

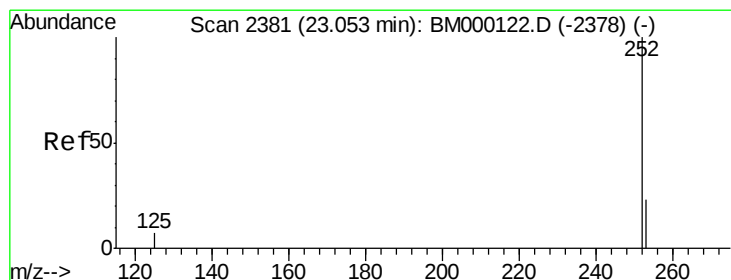
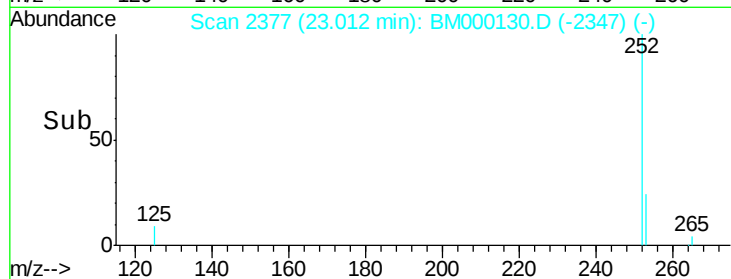
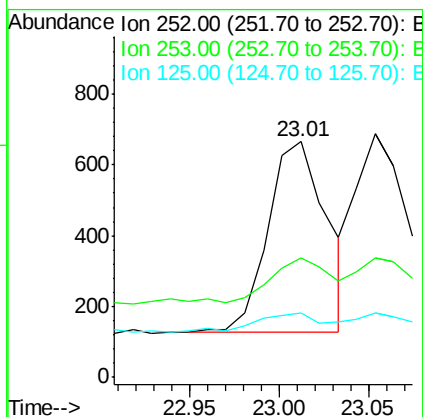
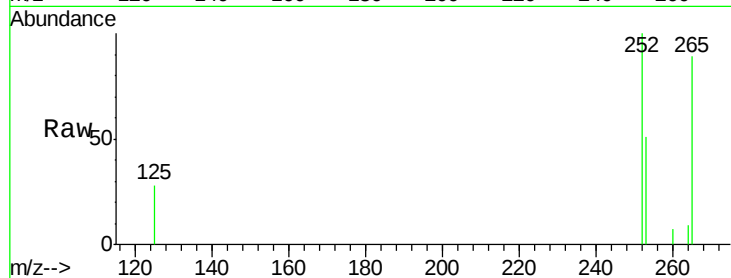
Tgt Ion:252 Resp: 1237

Ion Ratio Lower Upper

252 100

253 51.0 0.0 48.2#

125 27.5 0.0 21.6#



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/u1

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

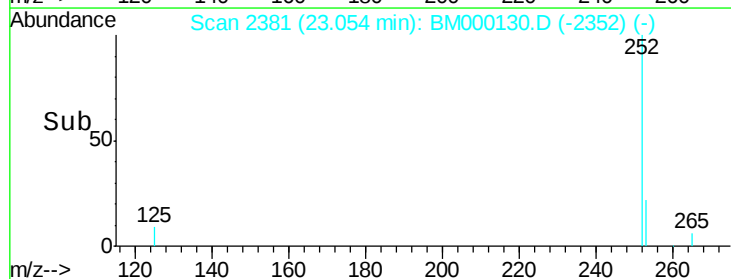
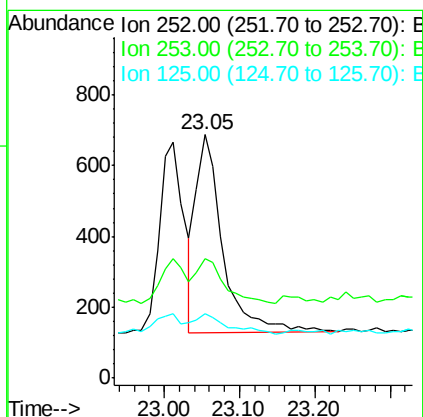
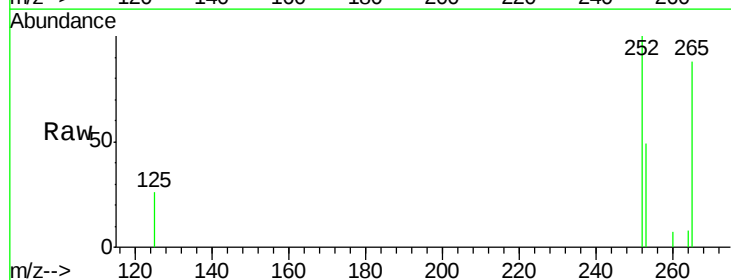
Tgt Ion:252 Resp: 1357

Ion Ratio Lower Upper

252 100

253 49.3 20.5 30.7#

125 26.2 7.8 11.8#





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

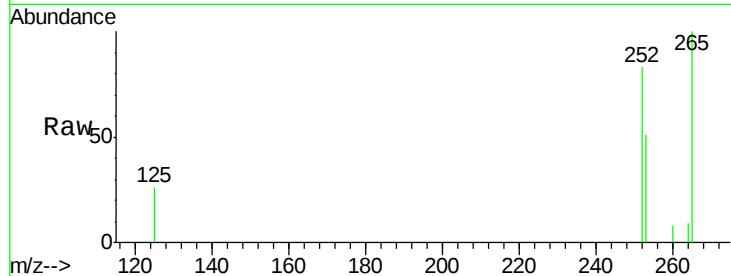
Tgt Ion:252 Resp: 1206

Ion Ratio Lower Upper

252 100

253 60.6 19.8 29.6#

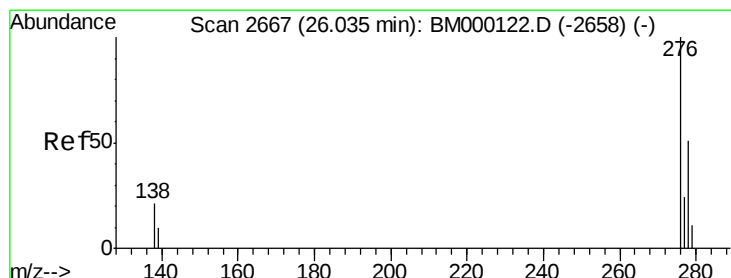
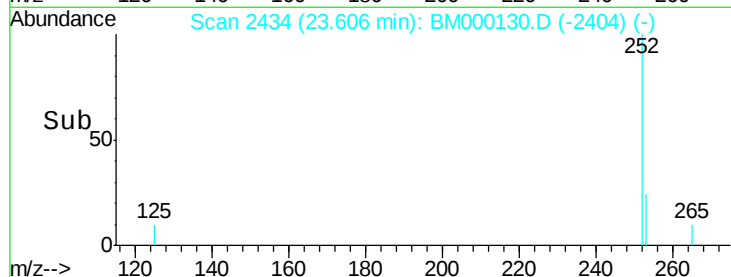
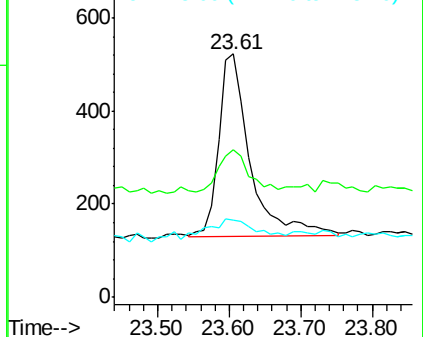
125 31.7 9.2 13.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

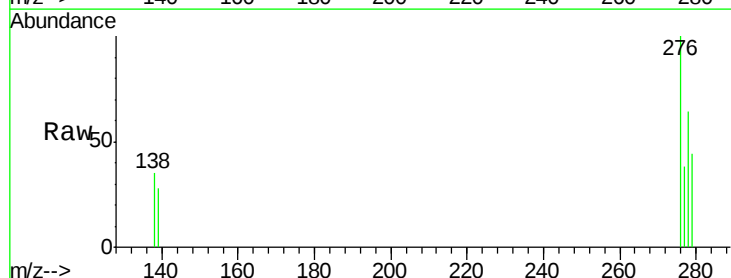
Tgt Ion:276 Resp: 1349

Ion Ratio Lower Upper

276 100

138 22.1 17.6 26.4

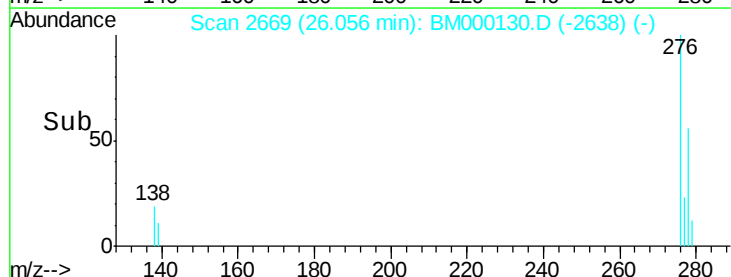
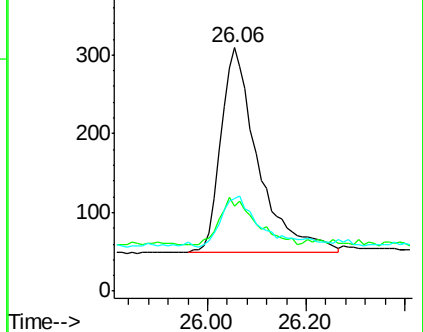
277 0.0 19.9 29.9#

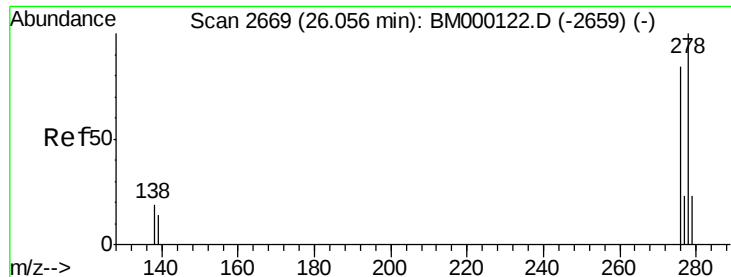


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.08 min Scan# 2671

Delta R.T. 0.02 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

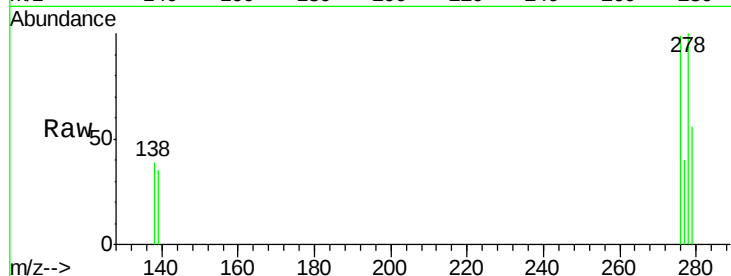
Tgt Ion:278 Resp: 1068

Ion Ratio Lower Upper

278 100

139 34.9 12.6 18.8#

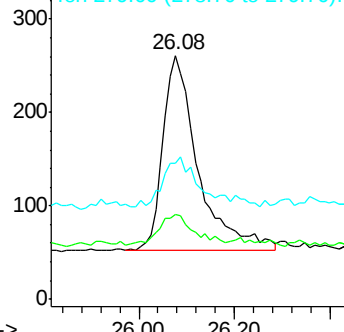
279 55.9 20.6 30.8#



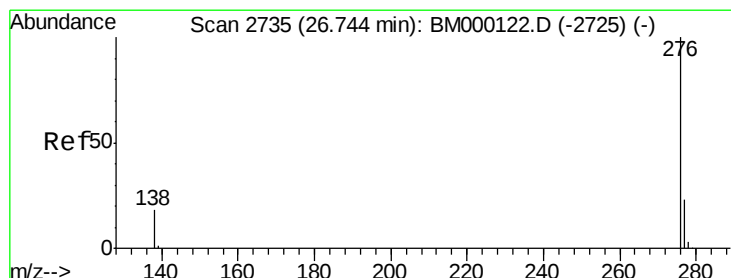
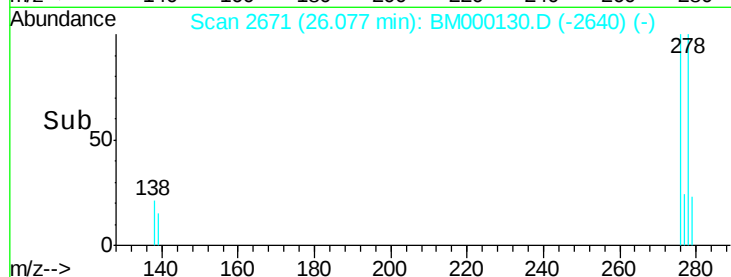
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.75 min Scan# 2736

Delta R.T. 0.01 min

Lab File: BM000130.D

Acq: 07 Jan 2015 15:52

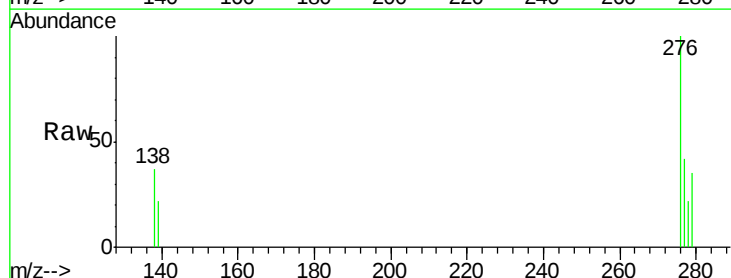
Tgt Ion:276 Resp: 1205

Ion Ratio Lower Upper

276 100

277 41.6 20.0 30.0#

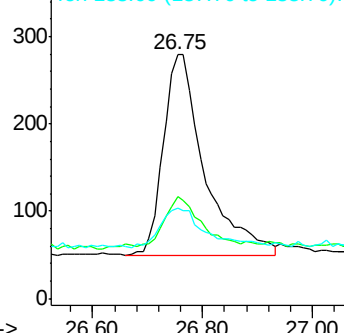
138 37.3 15.7 23.5#



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



Time-->

