

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000128.D
 Acq On : 07 Jan 2015 14:41
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 08 03:35:27 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	2889	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9614	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5634	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10870	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	9032	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8212	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4535	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8182	0.35	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1150	0.05	ng/ul#	85
5) 2-Methylnaphthalene	12.29	142	765	0.04	ng/ul	98
7) Acenaphthylene	12.22	152	4535	0.36	ng/ul	99
8) Acenaphthene	14.54	153	780	0.04	ng/ul	95
9) Fluorene	15.54	166	946	0.05	ng/ul#	91
11) Pentachlorophenol	16.90	266	41	0.02	ng/ul#	70
12) Phenanthrene	17.26	178	1503	0.04	ng/ul#	82
13) Anthracene	17.35	178	1358	0.04	ng/ul#	81
15) Fluoranthene	19.28	202	1766	0.05	ng/ul	87
17) Pyrene	19.65	202	1822	0.05	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	1445	0.05	ng/ul	91
19) Chrysene	21.39	228	1445	0.04	ng/ul	96
21) Benzo(b)fluoranthene	23.00	252	1488	0.05	ng/ul#	58
22) Benzo(k)fluoranthene	23.05	252	1424	0.05	ng/ul#	57
23) Benzo(a)pyrene	23.61	252	1324	0.05	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	26.06	276	1532	0.05	ng/ul	98
25) Dibenzo(a,h)anthracene	26.08	278	1270	0.05	ng/ul#	55
26) Benzo(g,h,i)perylene	26.76	276	1387	0.05	ng/ul#	74

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



#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

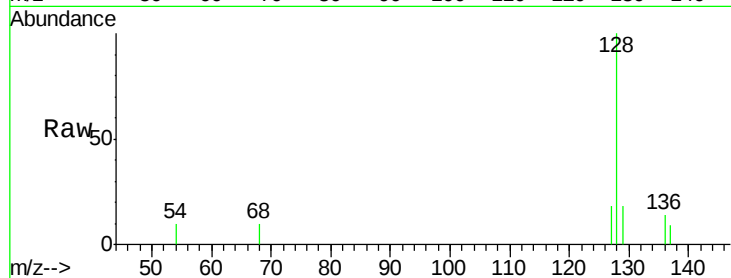
Tgt Ion:128 Resp: 1150

Ion Ratio Lower Upper

128 100

129 18.3 9.5 14.3#

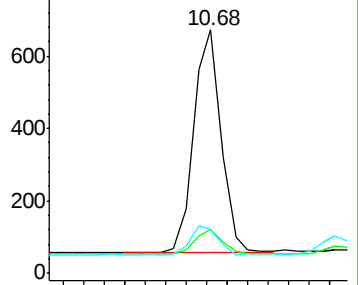
127 18.2 10.4 15.6#



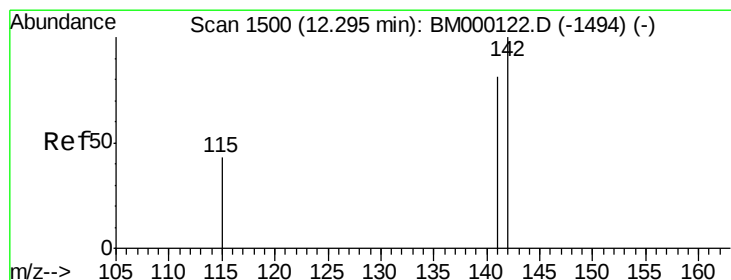
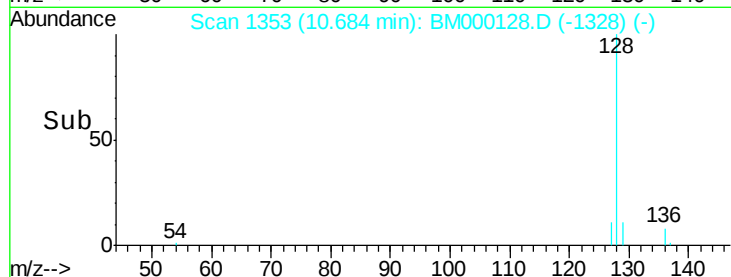
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000128.D

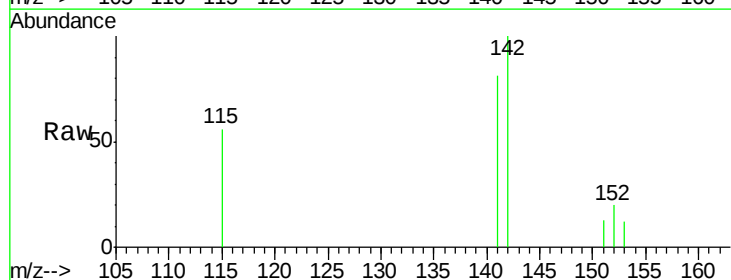
Acq: 07 Jan 2015 14:41

Tgt Ion:142 Resp: 765

Ion Ratio Lower Upper

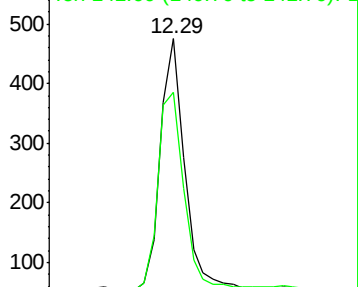
142 100

141 84.2 68.9 103.3

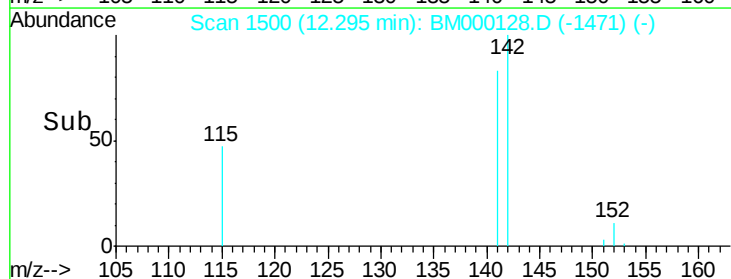


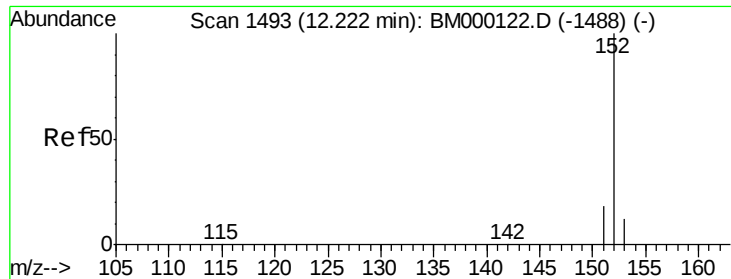
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.36 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

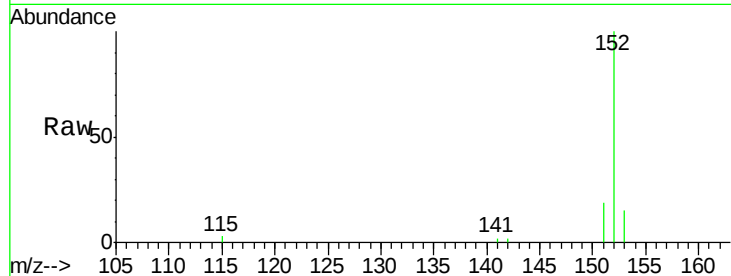
Tgt Ion:152 Resp: 4535

Ion Ratio Lower Upper

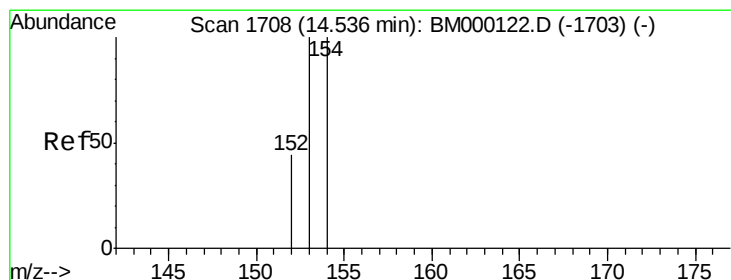
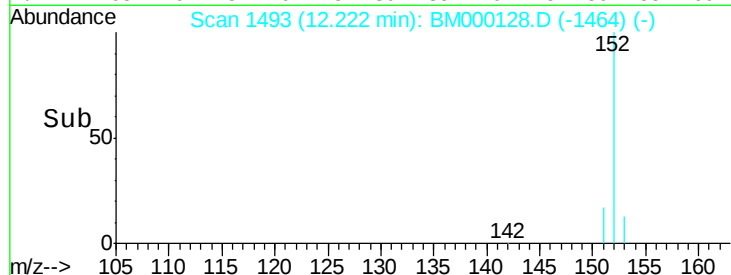
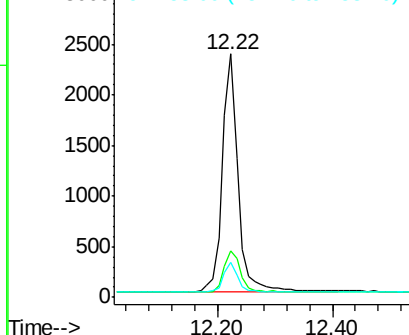
152 100

151 19.0 15.4 23.2

153 14.6 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: BM000128.D

Acq: 07 Jan 2015 14:41

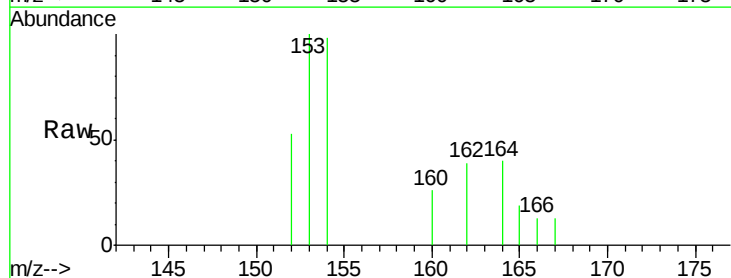
Tgt Ion:153 Resp: 780

Ion Ratio Lower Upper

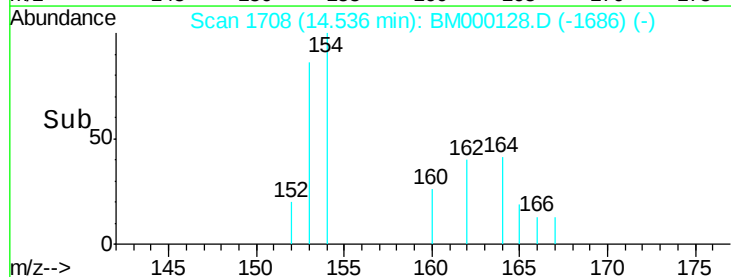
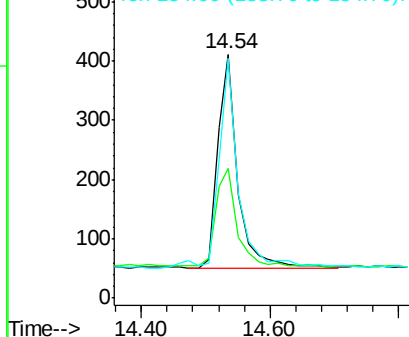
153 100

152 53.0 35.8 53.6

154 98.3 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: 0.05 ng/ul

RT: 15.54 min Scan# 1773

Delta R.T. 0.02 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

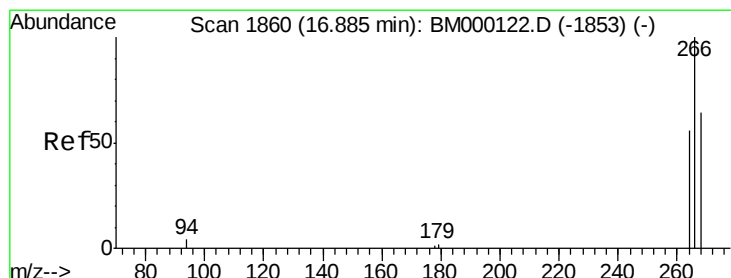
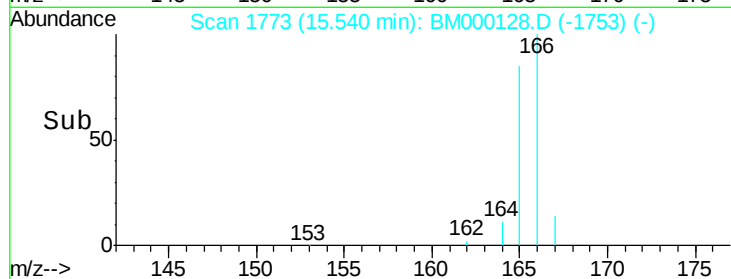
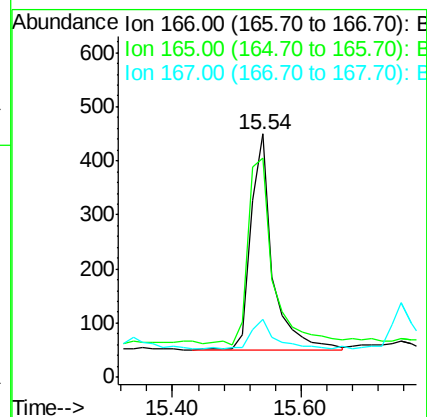
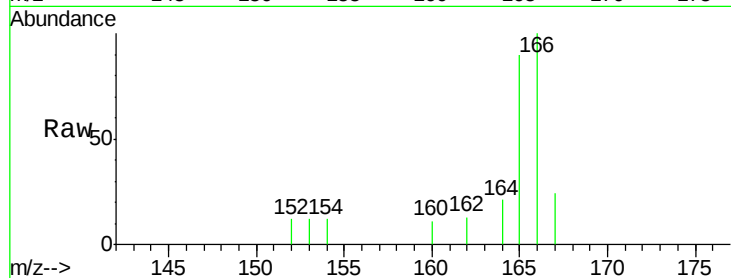
Tgt Ion:166 Resp: 946

Ion Ratio Lower Upper

166 100

165 90.0 77.0 115.4

167 24.0 11.0 16.6#



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.90 min Scan# 1861

Delta R.T. 0.02 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

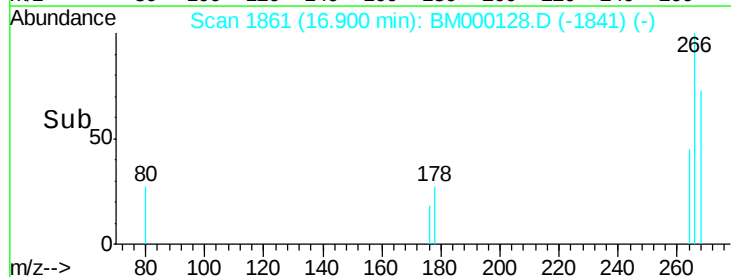
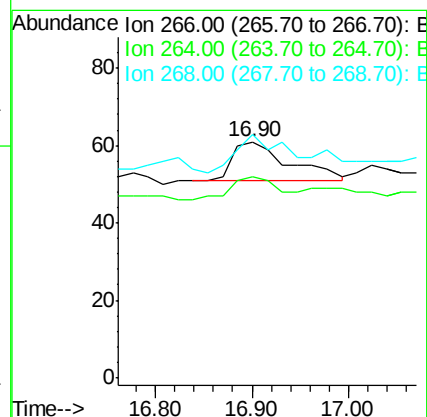
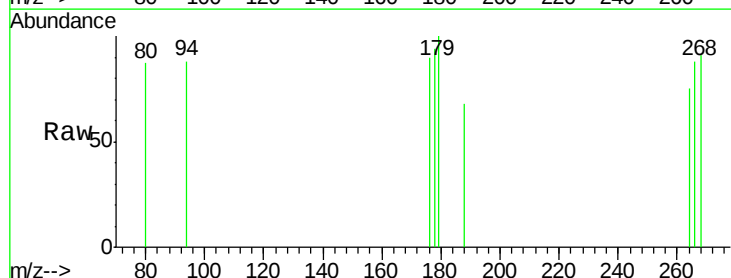
Tgt Ion:266 Resp: 41

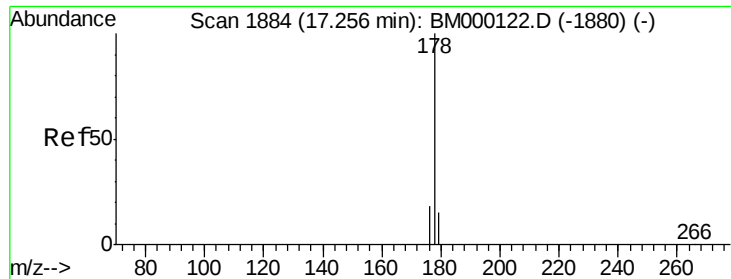
Ion Ratio Lower Upper

266 100

264 48.8 53.9 80.9#

268 90.2 49.2 73.8#





#12

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

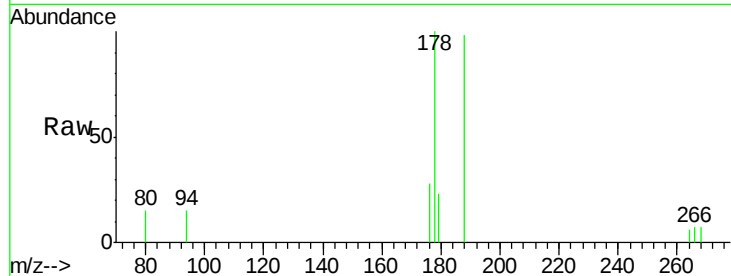
Tgt Ion:178 Resp: 1503

Ion Ratio Lower Upper

178 100

176 27.9 15.1 22.7#

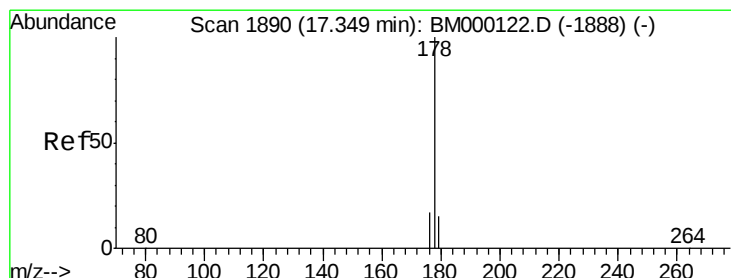
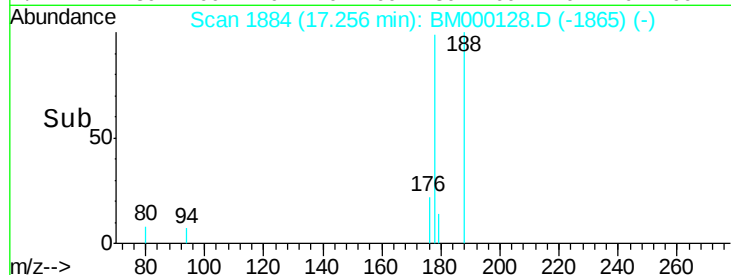
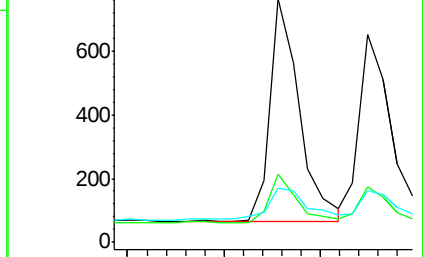
179 22.5 13.0 19.4#



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: 0.04 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

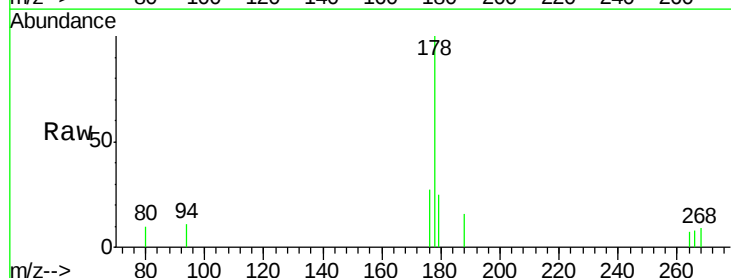
Tgt Ion:178 Resp: 1358

Ion Ratio Lower Upper

178 100

176 26.8 14.6 21.8#

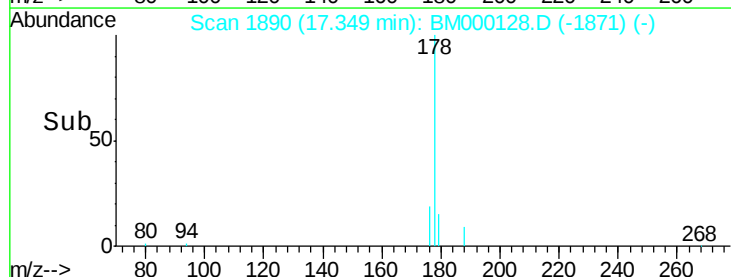
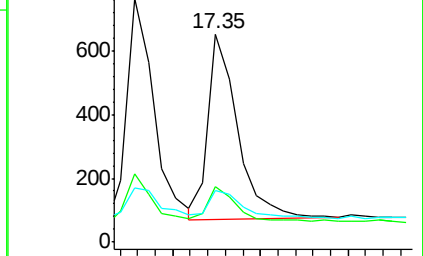
179 24.8 13.1 19.7#

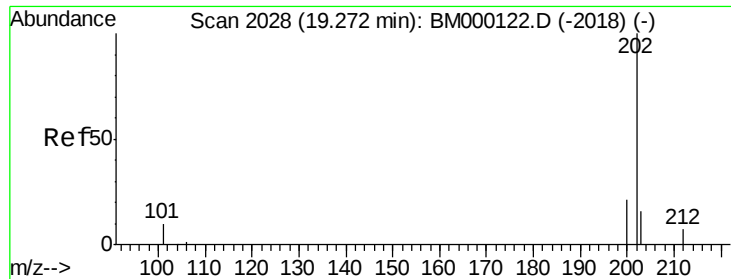


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.28 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

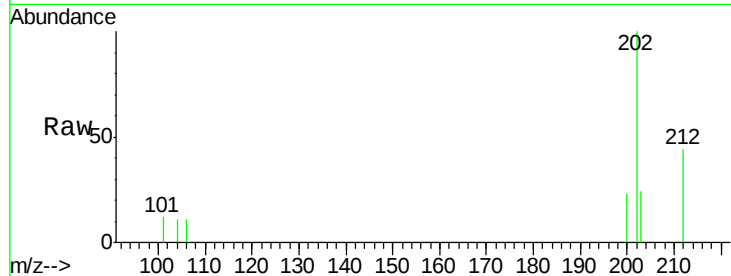
Tgt Ion:202 Resp: 1766

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

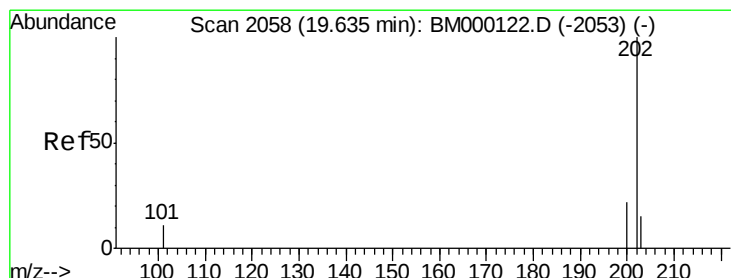
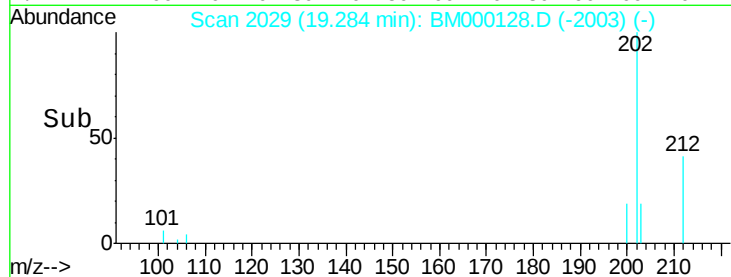
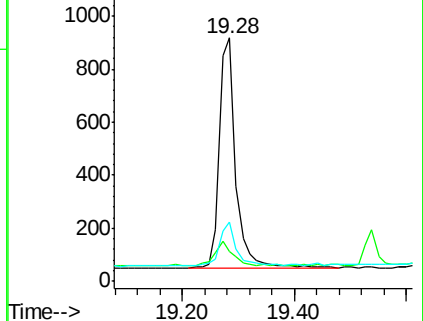
203 24.2 0.0 36.6



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: 0.05 ng/ul

RT: 19.65 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

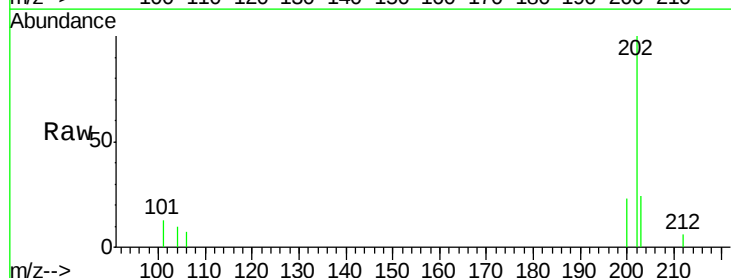
Tgt Ion:202 Resp: 1822

Ion Ratio Lower Upper

202 100

200 22.6 17.9 26.9

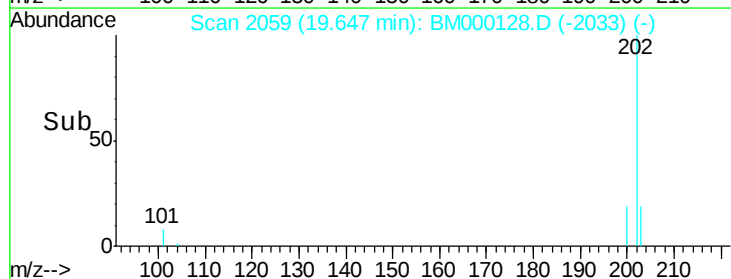
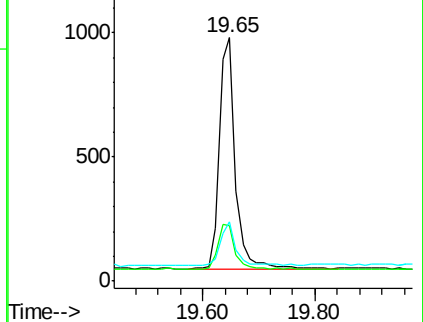
203 24.2 12.8 19.2#

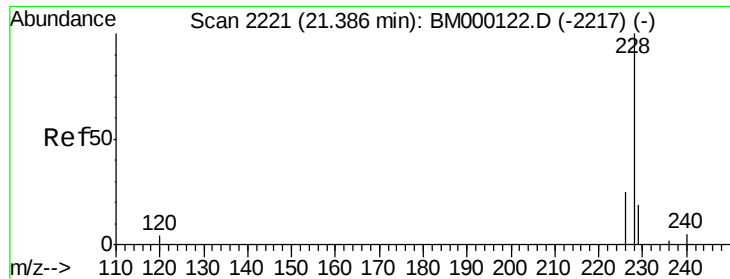


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

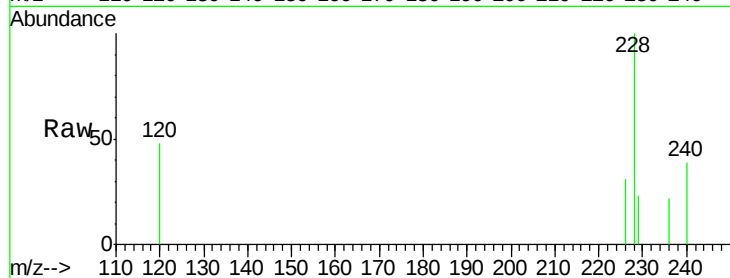
Tgt Ion:228 Resp: 1445

Ion Ratio Lower Upper

228 100

226 31.2 20.8 31.2

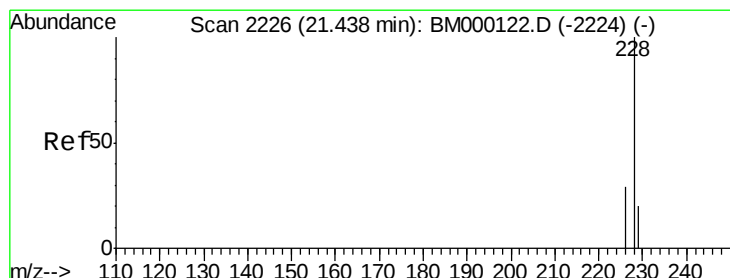
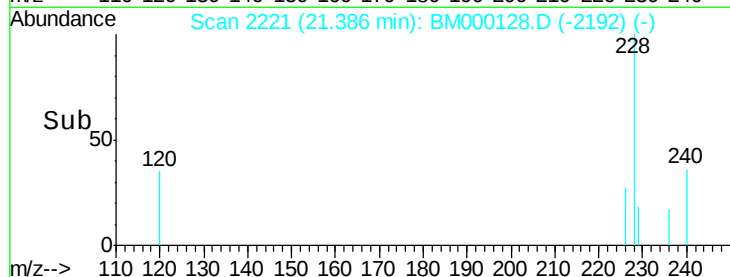
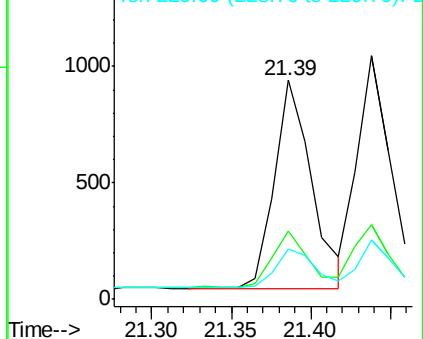
229 22.8 15.5 23.3



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: BM000128.D

Acq: 07 Jan 2015 14:41

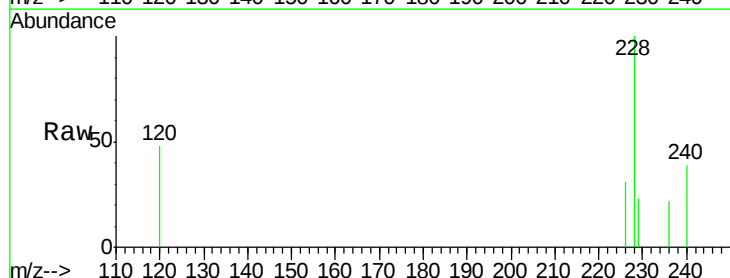
Tgt Ion:228 Resp: 1445

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.6

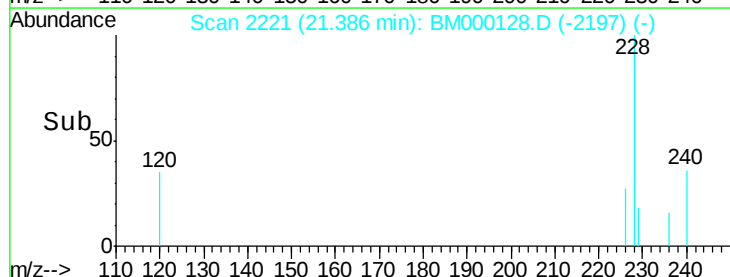
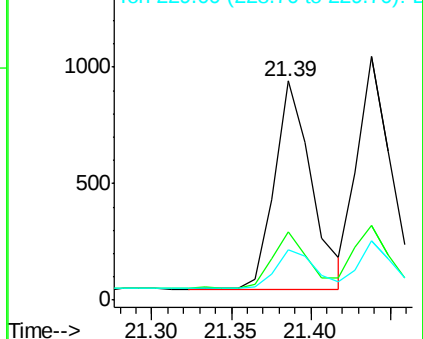
229 22.8 15.8 23.8



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: 0.05 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

BNA_M

ClientSampleId :

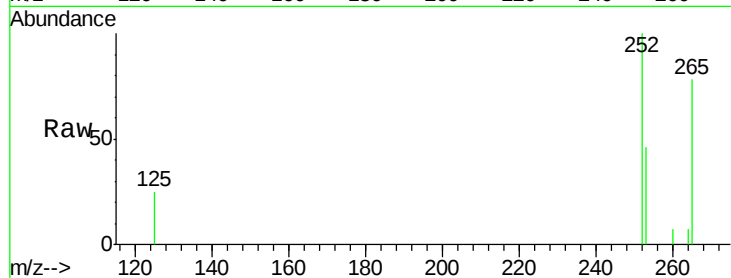
Tgt Ion:252 Resp: 1488

Ion Ratio Lower Upper

252 100

253 46.0 0.0 48.2

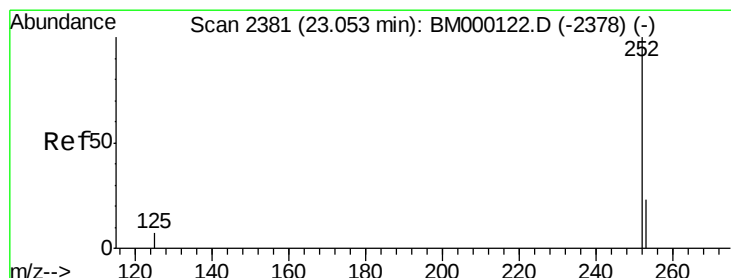
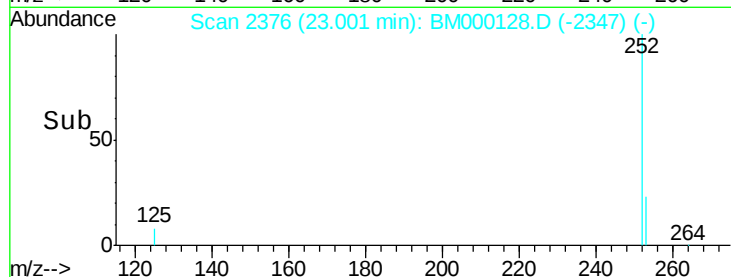
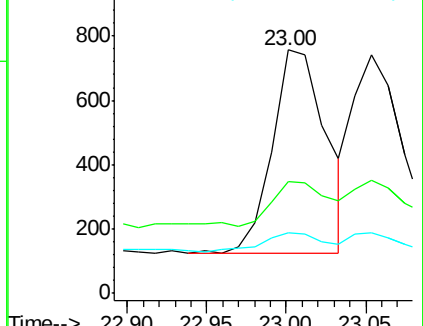
125 24.7 0.0 21.6#



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: 0.05 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

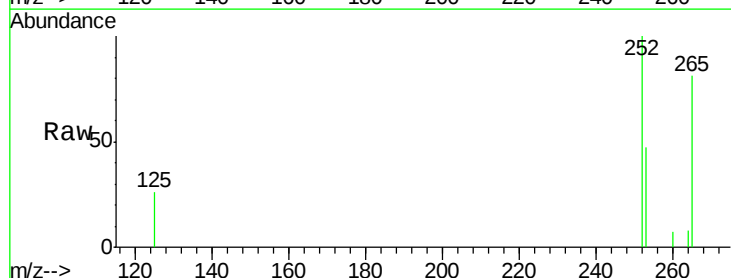
Tgt Ion:252 Resp: 1424

Ion Ratio Lower Upper

252 100

253 47.4 20.5 30.7#

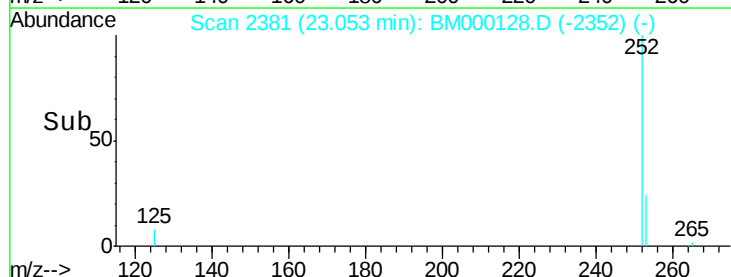
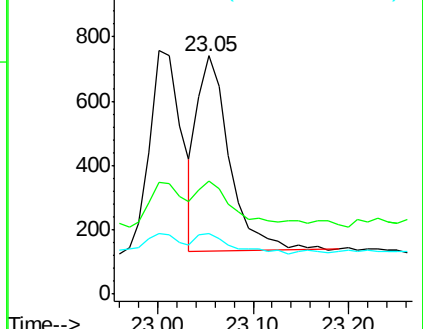
125 25.5 7.8 11.8#



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: 0.05 ng/ul

RT: 23.61 min Scan# 2434

Delta R.T. 0.01 min

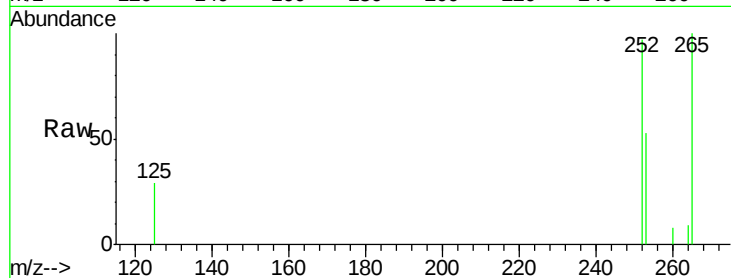
Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

Instrument :

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ClientSampleId :



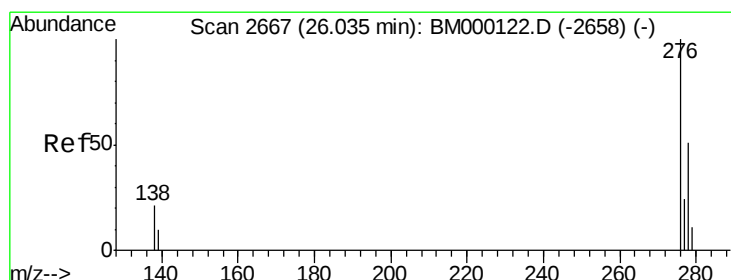
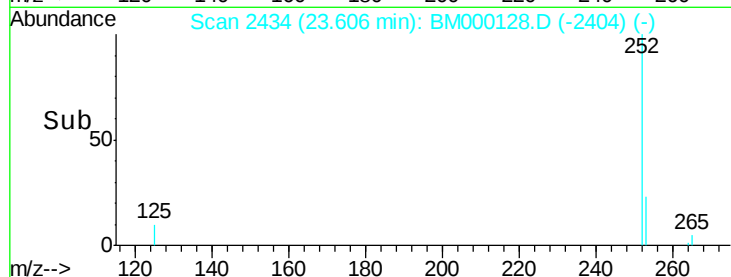
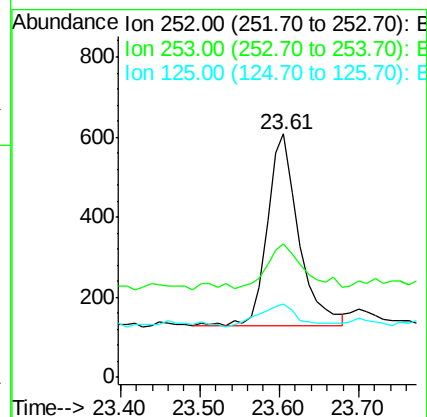
Tgt Ion: 252 Resp: 1324

Ion Ratio Lower Upper

252 100

253 54.6 19.8 29.6#

125 30.1 9.2 13.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BM000128.D

Acq: 07 Jan 2015 14:41

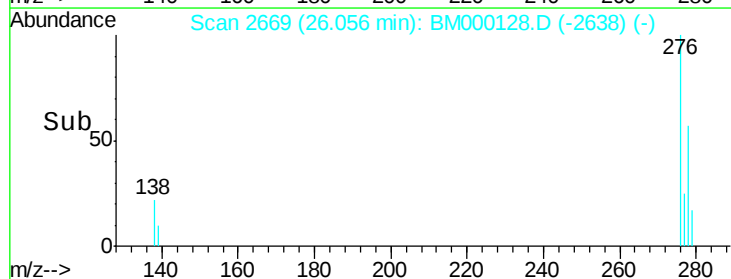
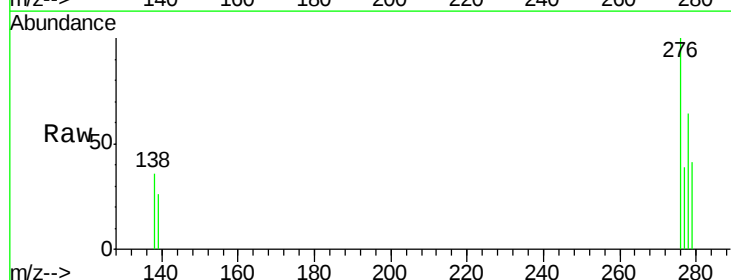
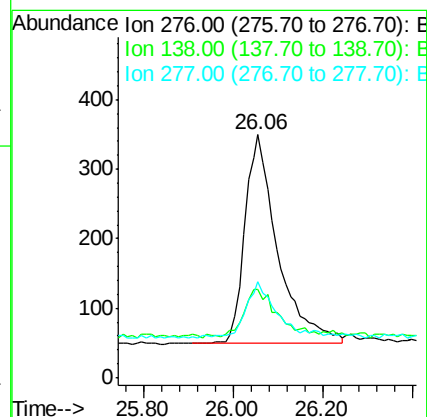
Tgt Ion: 276 Resp: 1532

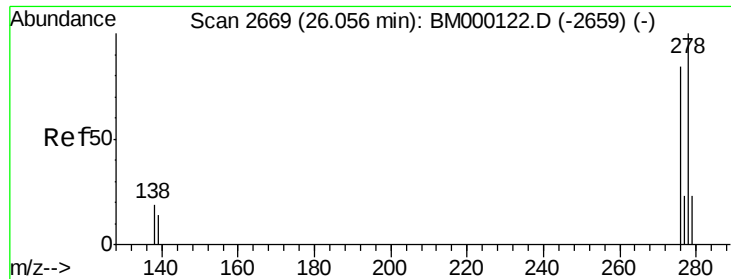
Ion Ratio Lower Upper

276 100

138 23.2 17.6 26.4

277 24.4 19.9 29.9

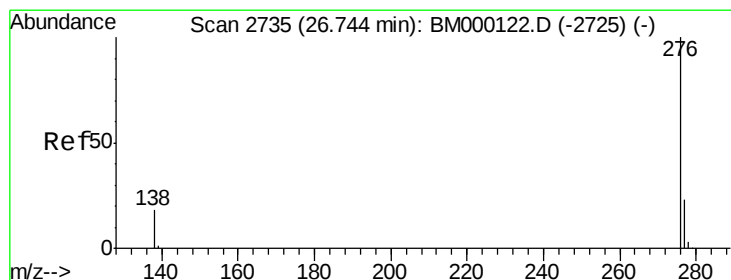
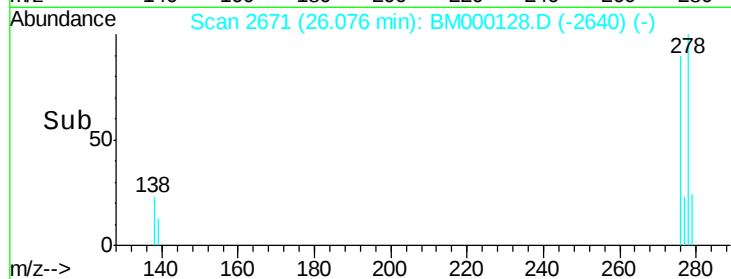
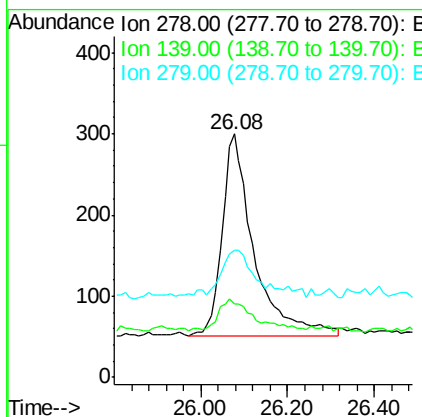
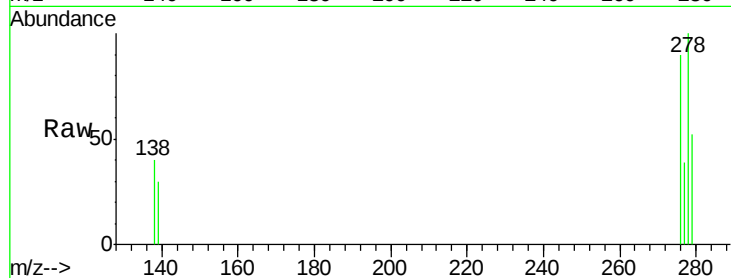




#25
 Dibenzo(a,h)anthracene
 Concen: 0.05 ng/ul
 RT: 26.08 min Scan# 2671
 Delta R.T. 0.02 min
 Lab File: BM000128.D
 Acq: 07 Jan 2015 14:41

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 278 Resp: 1270
 Ion Ratio Lower Upper
 278 100
 139 30.0 12.6 18.8#
 279 52.0 20.6 30.8#



#26
 Benzo(g,h,i)perylene
 Concen: 0.05 ng/ul
 RT: 26.76 min Scan# 2737
 Delta R.T. 0.02 min
 Lab File: BM000128.D
 Acq: 07 Jan 2015 14:41

Tgt Ion: 276 Resp: 1387
 Ion Ratio Lower Upper
 276 100
 277 38.6 20.0 30.0#
 138 31.2 15.7 23.5#

