

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000131.D
 Acq On : 07 Jan 2015 16:27
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

Quant Time: Jan 08 03:44:51 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	2835	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9236	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5571	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10334	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8696	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7929	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	3732	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	6506	0.29	ng/ul	0.00

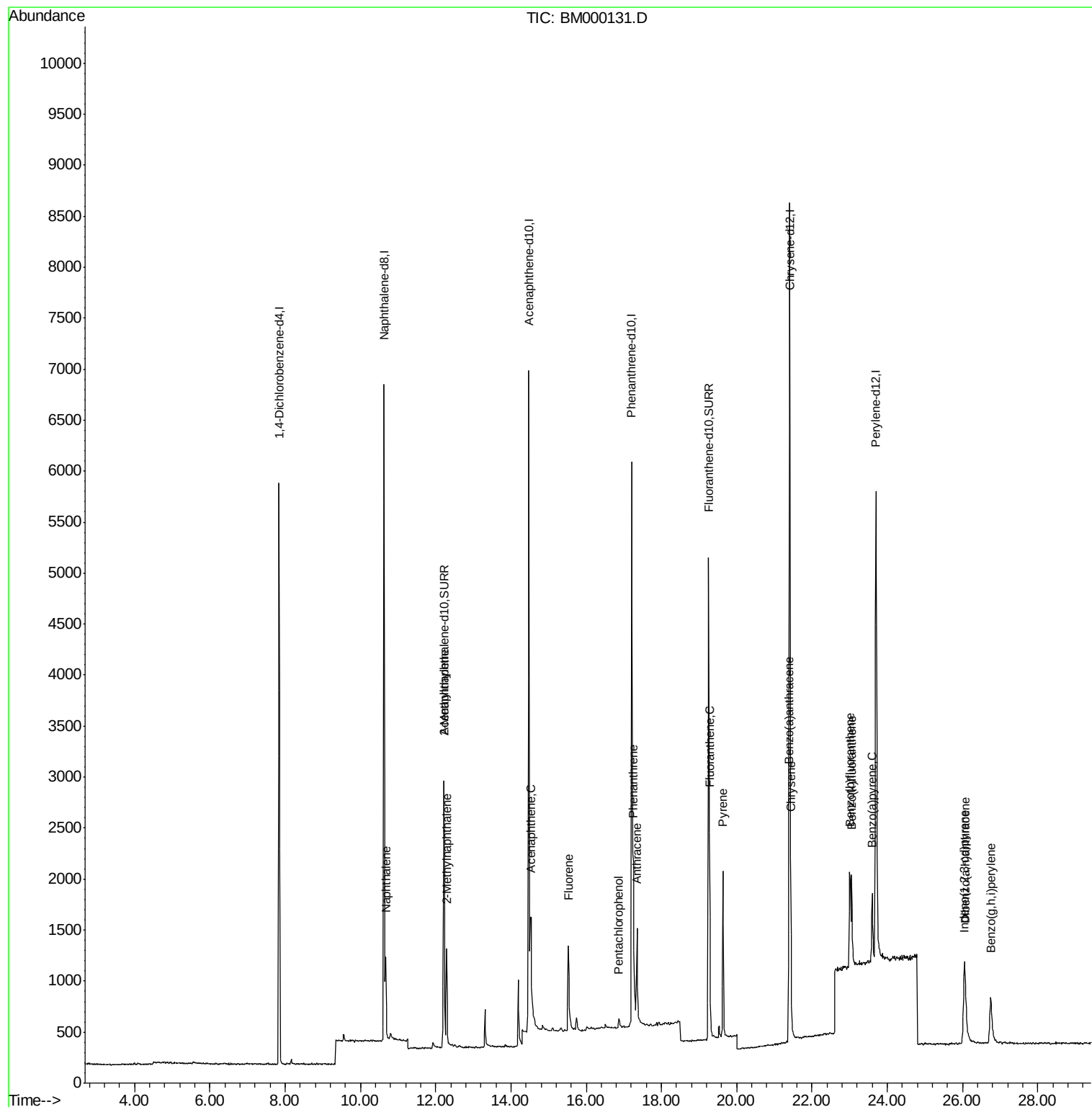
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1217	0.05	ng/ul#	85
5) 2-Methylnaphthalene	12.29	142	765	0.05	ng/ul	99
7) Acenaphthylene	12.22	152	3732	0.30	ng/ul	98
8) Acenaphthene	14.54	153	799	0.05	ng/ul	96
9) Fluorene	15.52	166	904	0.05	ng/ul#	93
11) Pentachlorophenol	16.87	266	110	0.07	ng/ul#	83
12) Phenanthrene	17.26	178	1542	0.05	ng/ul#	84
13) Anthracene	17.35	178	1436	0.05	ng/ul#	83
15) Fluoranthene	19.27	202	1746	0.05	ng/ul	90
17) Pyrene	19.63	202	1813	0.05	ng/ul#	91
18) Benzo(a)anthracene	21.39	228	1478	0.05	ng/ul#	90
19) Chrysene	21.44	228	1518	0.05	ng/ul	94
21) Benzo(b)fluoranthene	23.00	252	1620	0.05	ng/ul#	64
22) Benzo(k)fluoranthene	23.05	252	1461	0.05	ng/ul#	62
23) Benzo(a)pyrene	23.60	252	1279	0.05	ng/ul#	50
24) Indeno(1,2,3-cd)pyrene	26.03	276	1631	0.05	ng/ul	96
25) Dibenzo(a,h)anthracene	26.07	278	1268	0.05	ng/ul#	61
26) Benzo(g,h,i)perylene	26.75	276	1429	0.05	ng/ul#	73

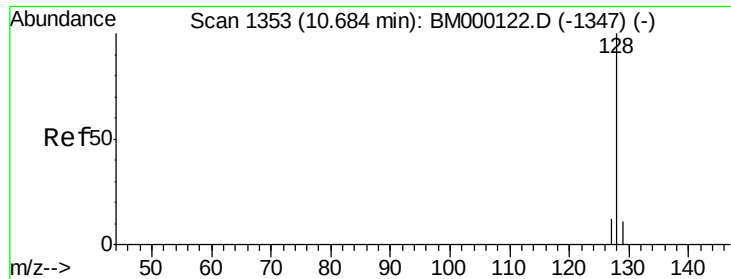
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

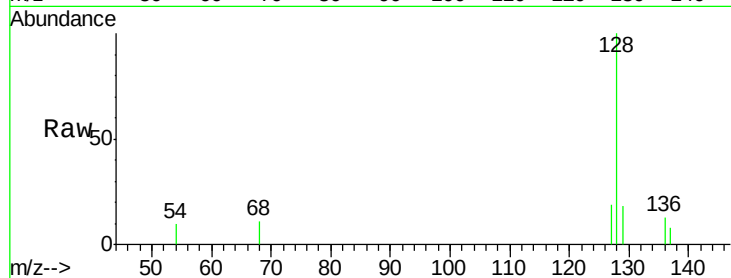
Tgt Ion:128 Resp: 1217

Ion Ratio Lower Upper

128 100

129 18.4 9.5 14.3#

127 18.6 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

10.68

800

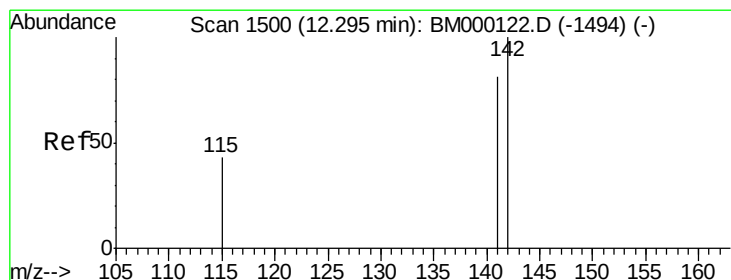
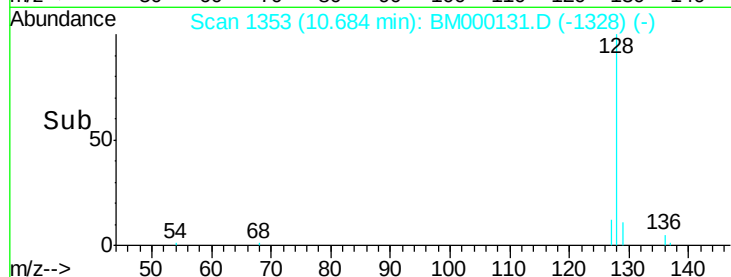
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BM000131.D

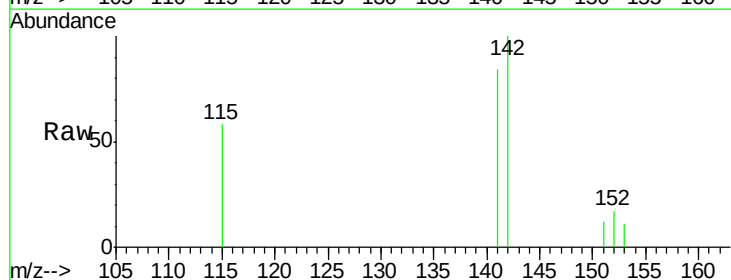
Acq: 07 Jan 2015 16:27

Tgt Ion:142 Resp: 765

Ion Ratio Lower Upper

142 100

141 85.4 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

500

400

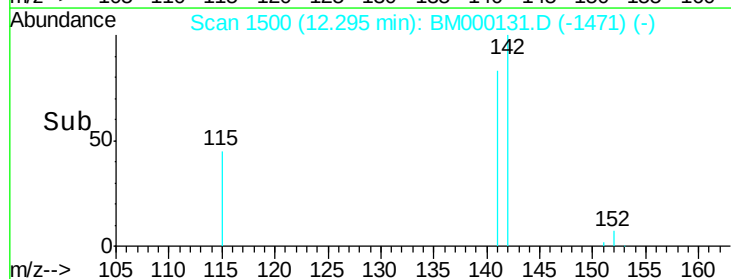
300

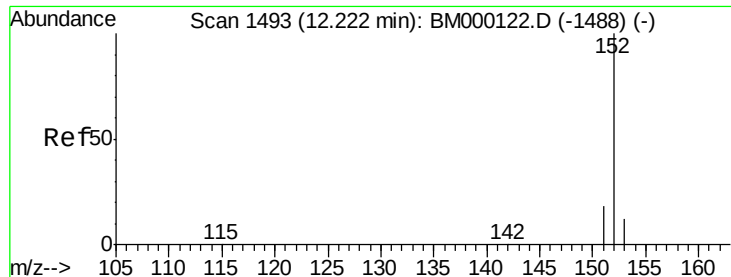
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampled :

MDL-05-W

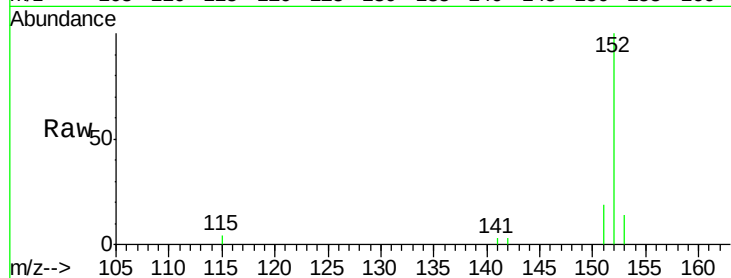
Tgt Ion:152 Resp: 3732

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.2

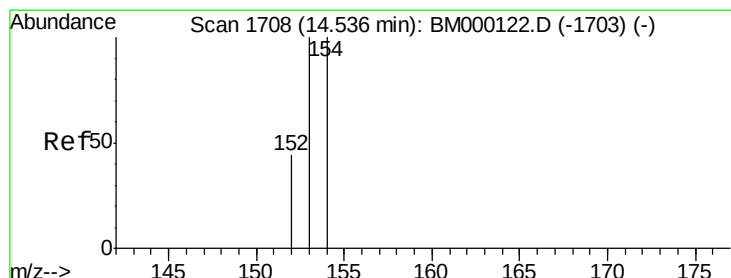
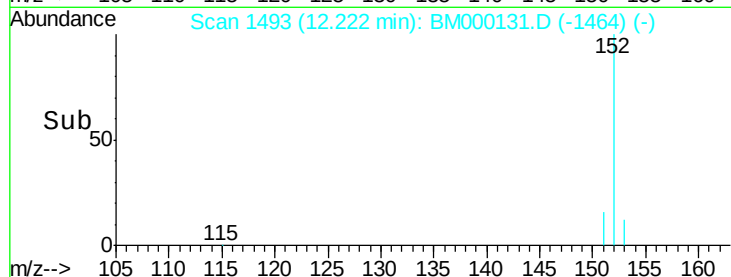
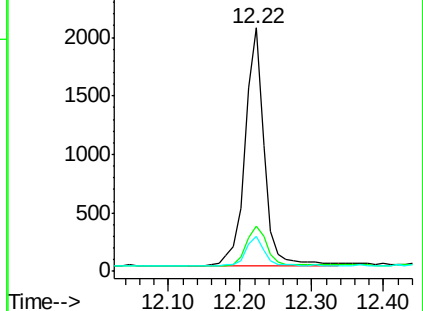
153 14.5 11.0 16.4



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: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

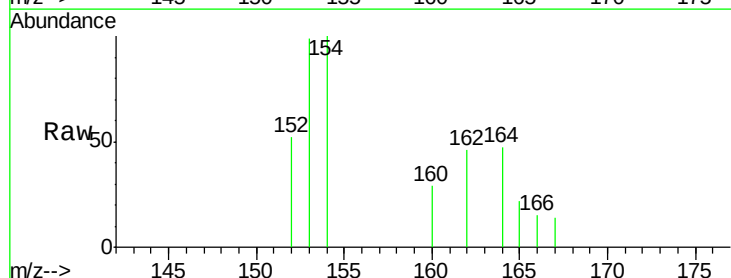
Tgt Ion:153 Resp: 799

Ion Ratio Lower Upper

153 100

152 52.2 35.8 53.6

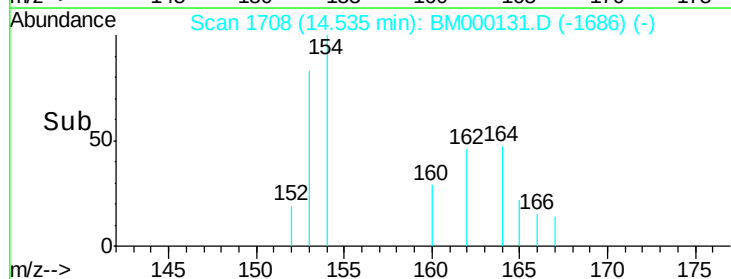
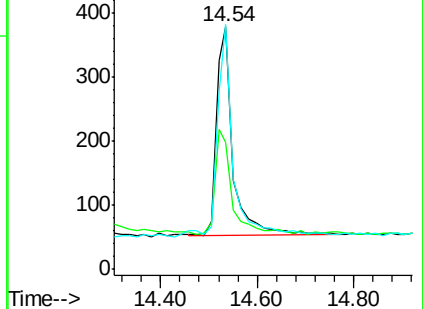
154 100.8 79.9 119.9

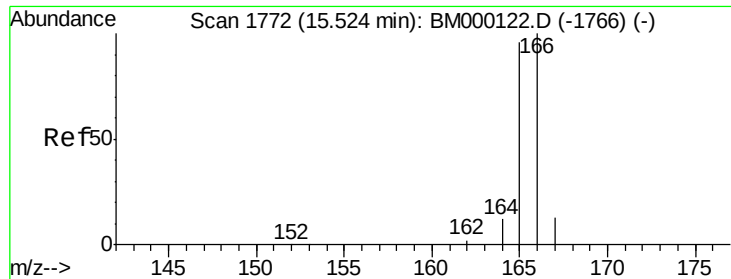


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

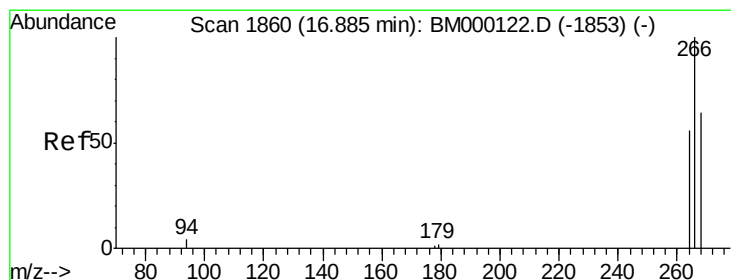
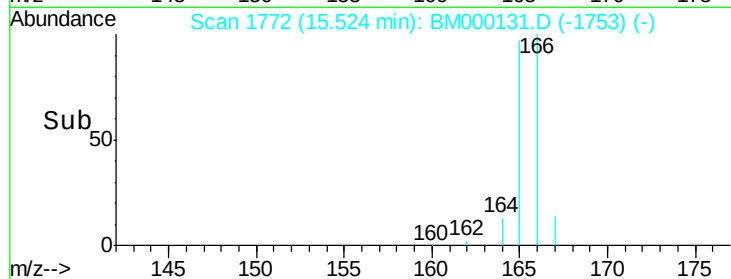
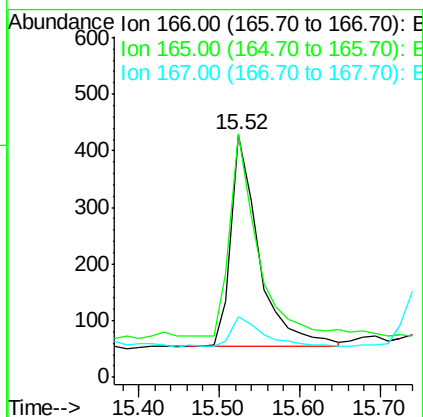
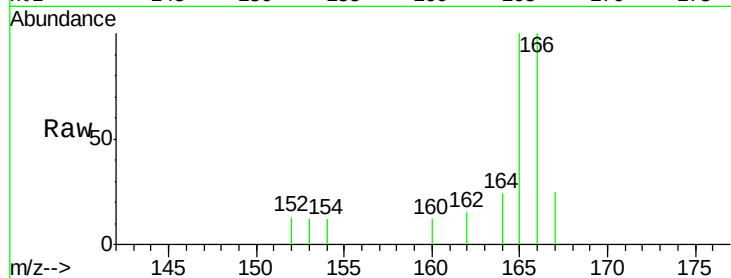




#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000131.D
 Acq: 07 Jan 2015 16:27

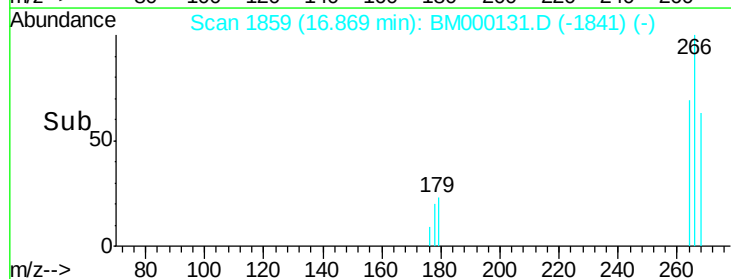
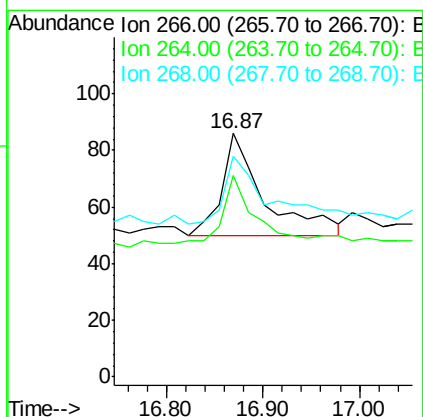
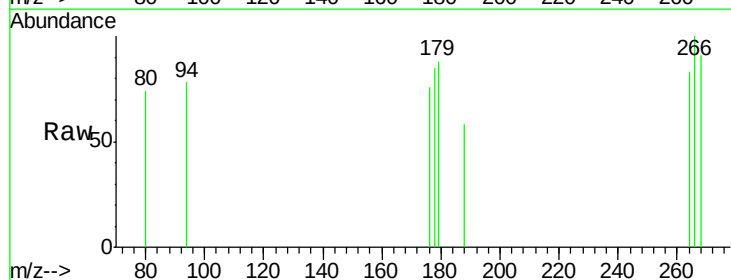
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

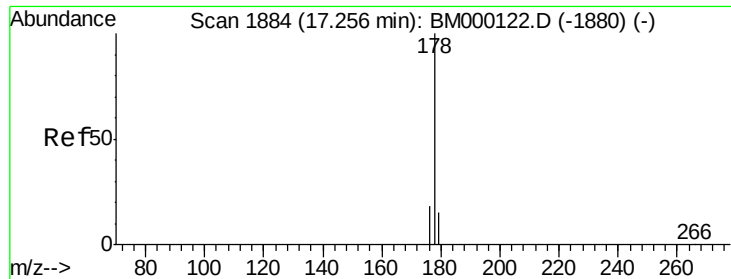
Tgt Ion:166 Resp: 904
 Ion Ratio Lower Upper
 166 100
 165 100.5 77.0 115.4
 167 25.2 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.87 min Scan# 1859
 Delta R.T. -0.02 min
 Lab File: BM000131.D
 Acq: 07 Jan 2015 16:27

Tgt Ion:266 Resp: 110
 Ion Ratio Lower Upper
 266 100
 264 61.8 53.9 80.9
 268 82.7 49.2 73.8#





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

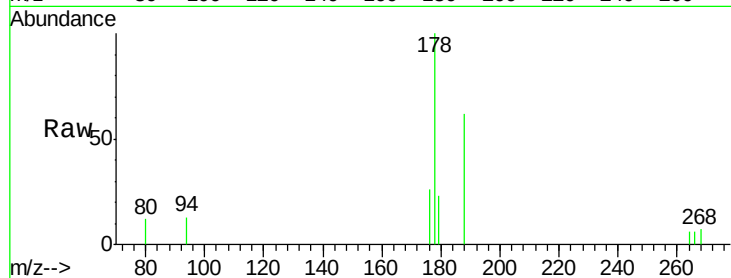
Tgt Ion:178 Resp: 1542

Ion Ratio Lower Upper

178 100

176 25.6 15.1 22.7#

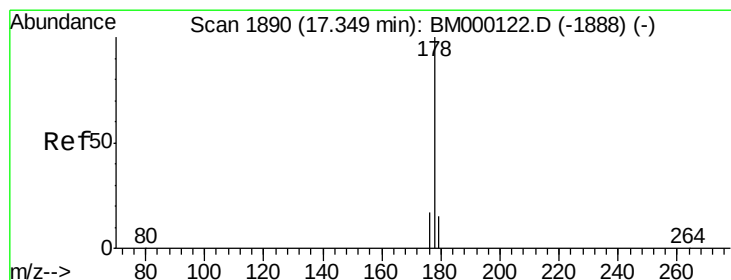
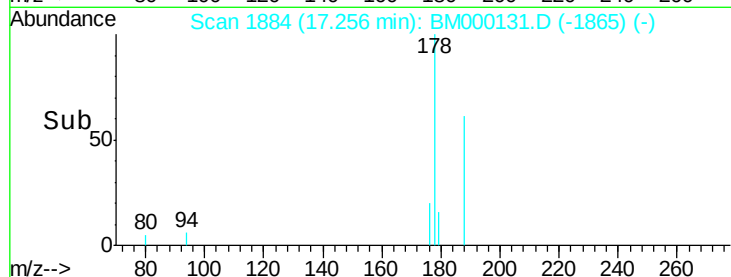
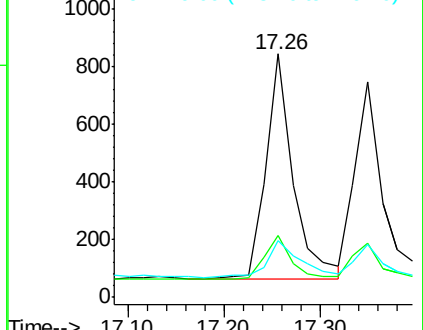
179 23.3 13.0 19.4#



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: 0.05 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

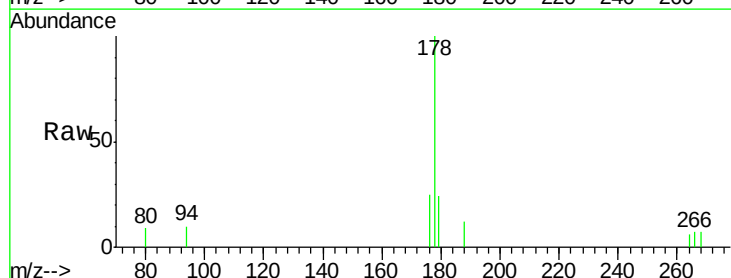
Tgt Ion:178 Resp: 1436

Ion Ratio Lower Upper

178 100

176 25.1 14.6 21.8#

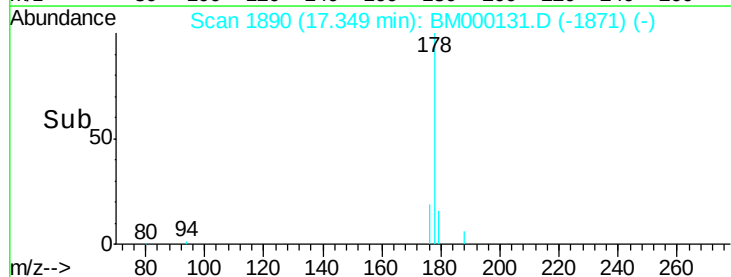
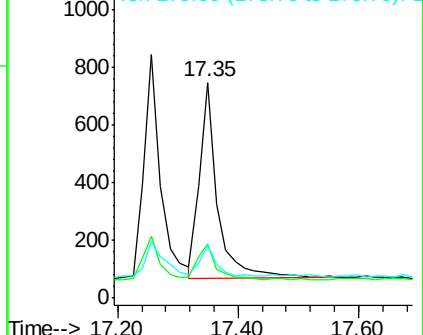
179 24.3 13.1 19.7#

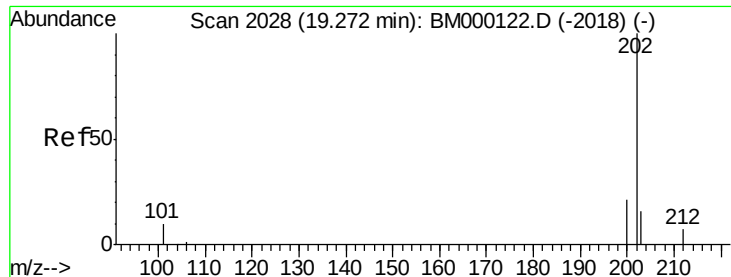


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.27 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

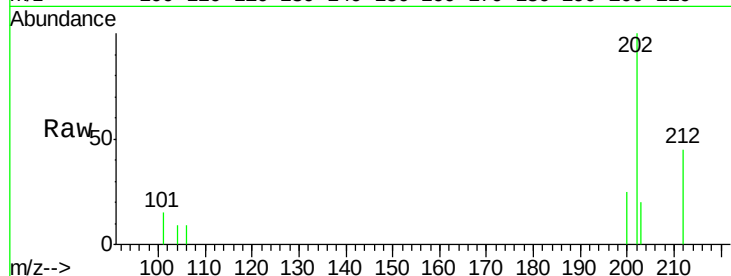
Tgt Ion:202 Resp: 1746

Ion Ratio Lower Upper

202 100

101 14.9 0.0 30.5

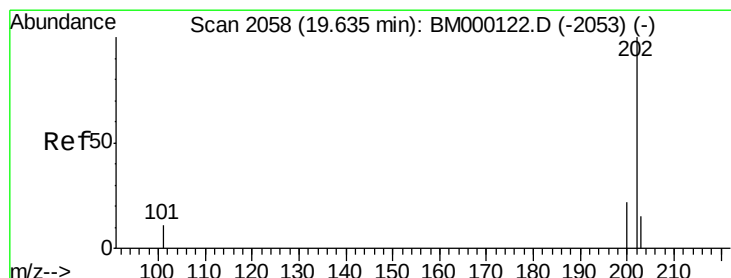
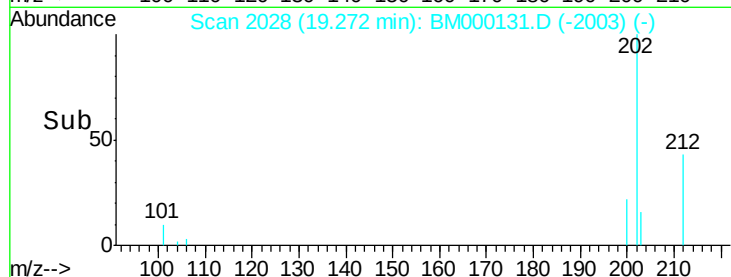
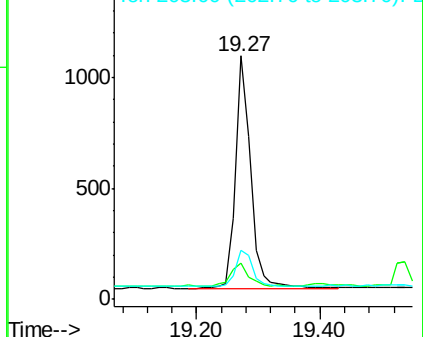
203 20.1 0.0 36.6



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: 19.63 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

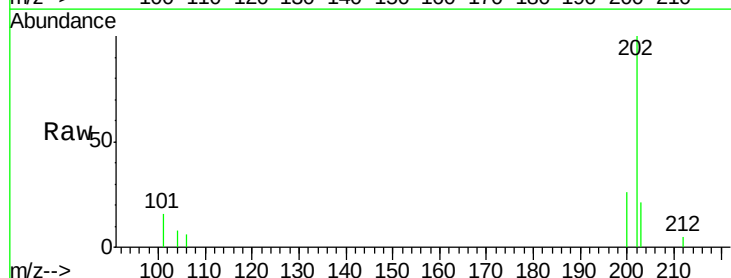
Tgt Ion:202 Resp: 1813

Ion Ratio Lower Upper

202 100

200 25.9 17.9 26.9

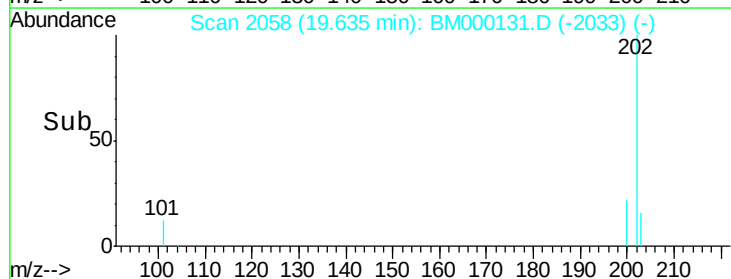
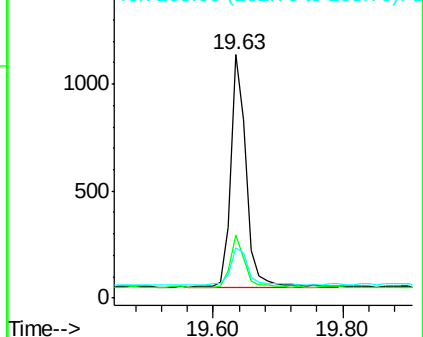
203 20.7 12.8 19.2#

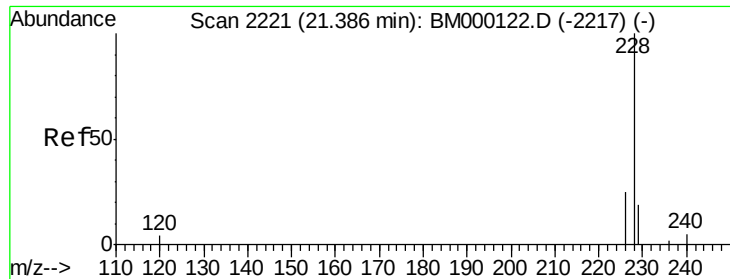


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampled :

MDL-05-W

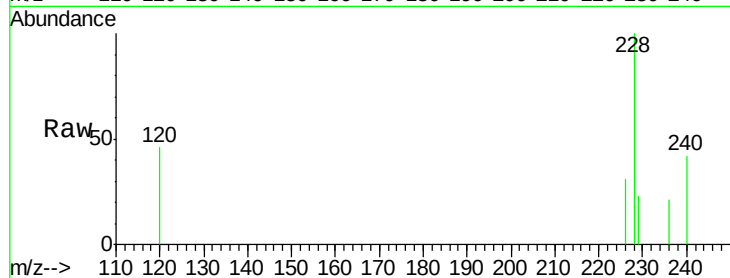
Tgt Ion:228 Resp: 1478

Ion Ratio Lower Upper

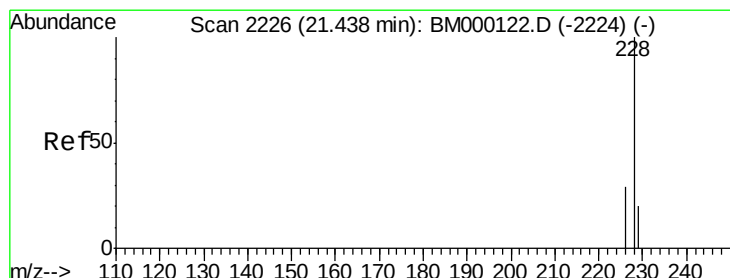
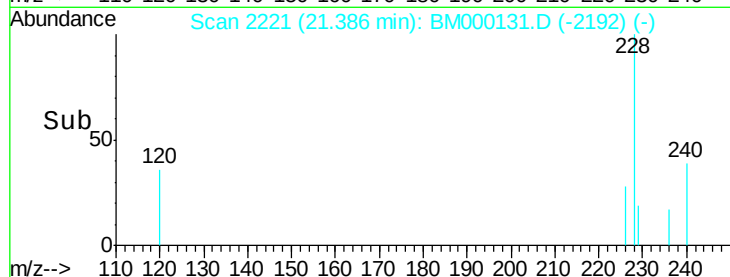
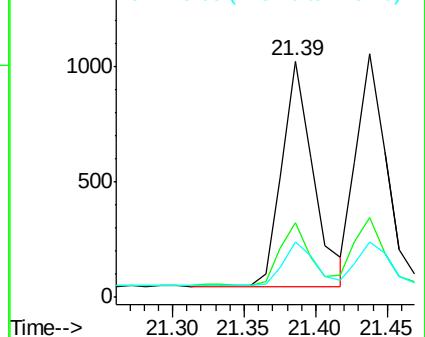
228 100

226 31.4 20.8 31.2#

229 23.2 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: 0.05 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

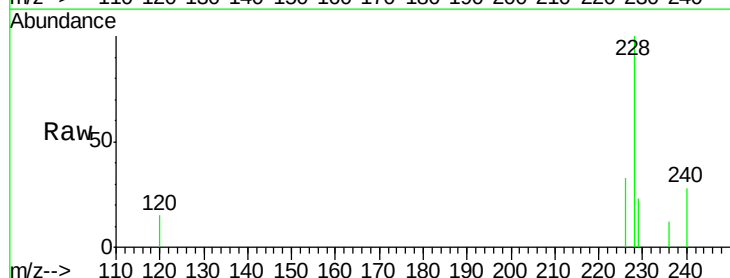
Tgt Ion:228 Resp: 1518

Ion Ratio Lower Upper

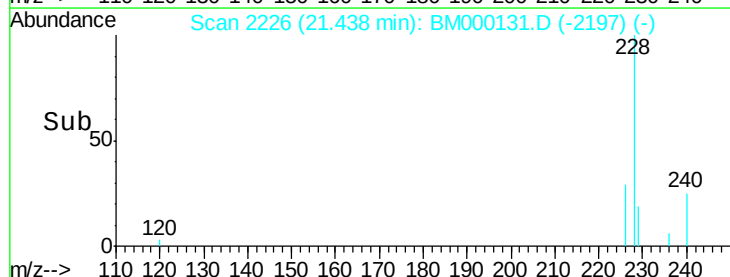
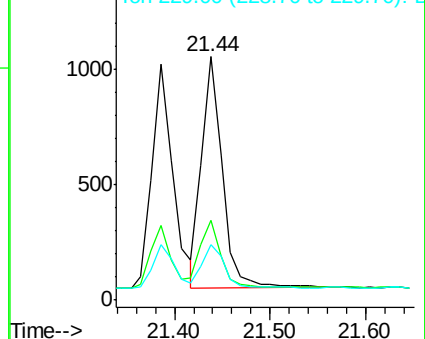
228 100

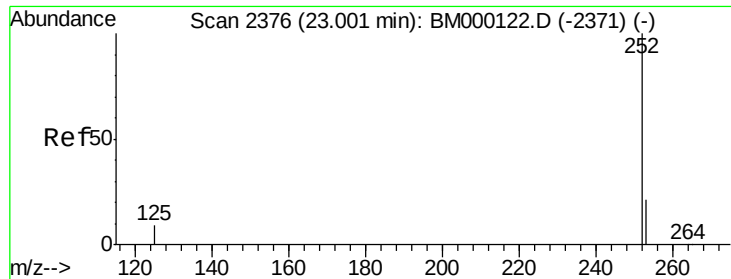
226 32.7 23.8 35.6

229 22.6 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: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

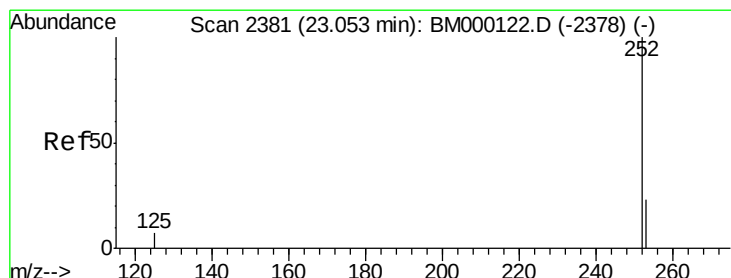
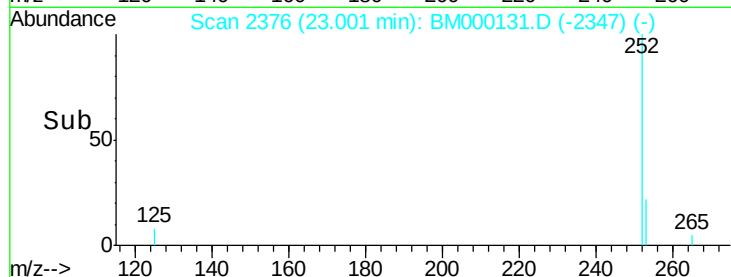
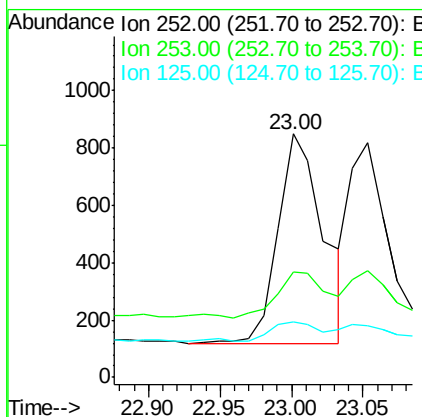
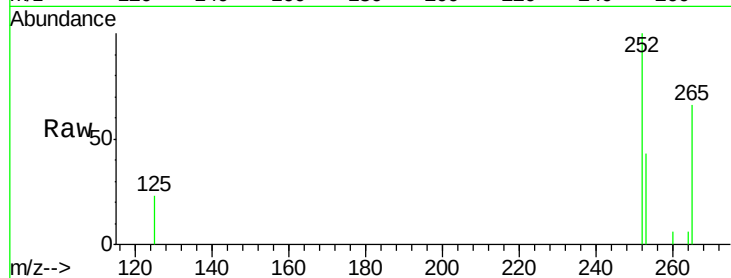
BNA_M

ClientSampleId :

MDL-05-W

Tgt Ion:252 Resp: 1620

Ion	Ratio	Lower	Upper
252	100		
253	43.2	0.0	48.2
125	22.6	0.0	21.6#



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 23.05 min Scan# 2381

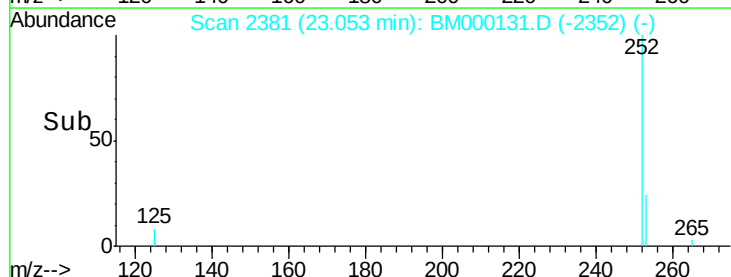
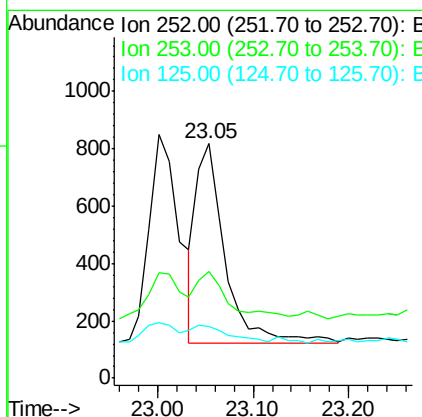
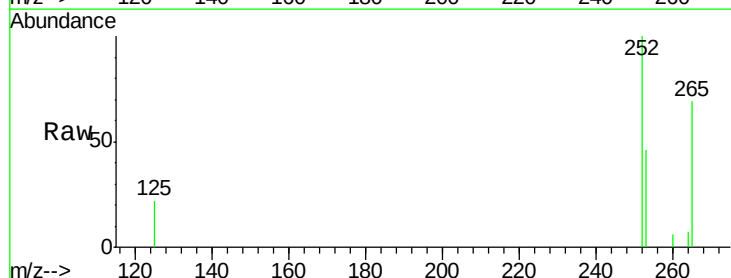
Delta R.T. -0.00 min

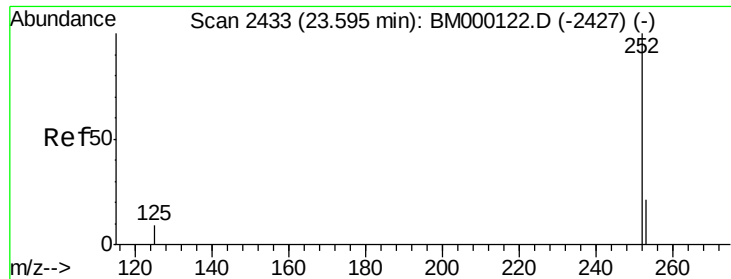
Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Tgt Ion:252 Resp: 1461

Ion	Ratio	Lower	Upper
252	100		
253	45.7	20.5	30.7#
125	22.2	7.8	11.8#





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

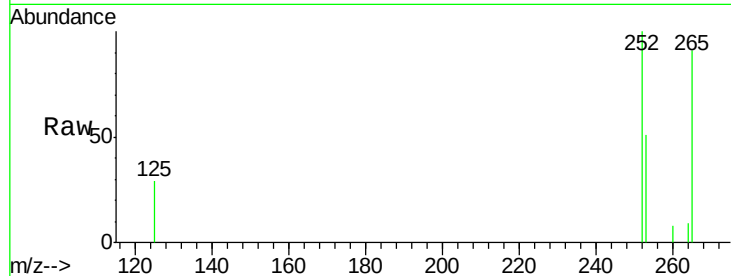
Tgt Ion: 252 Resp: 1279

Ion Ratio Lower Upper

252 100

253 50.8 19.8 29.6#

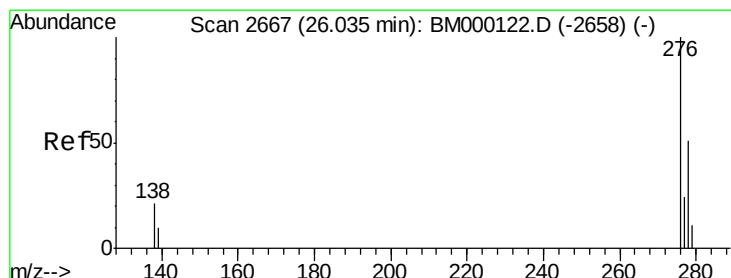
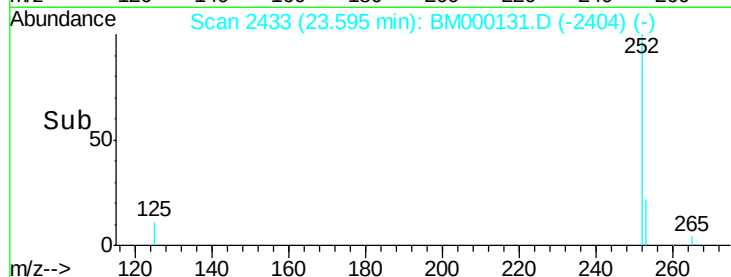
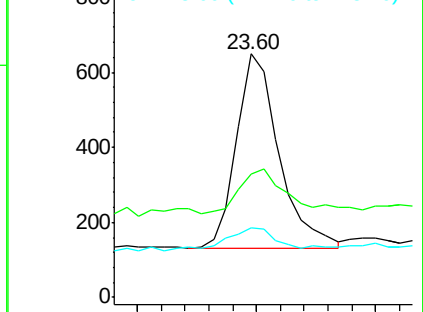
125 28.7 9.2 13.8#



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: 0.05 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BM000131.D

Acq: 07 Jan 2015 16:27

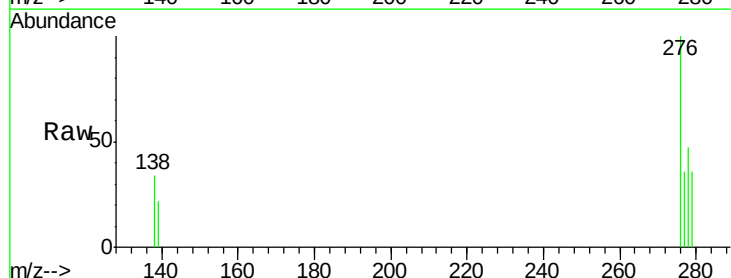
Tgt Ion: 276 Resp: 1631

Ion Ratio Lower Upper

276 100

138 18.9 17.6 26.4

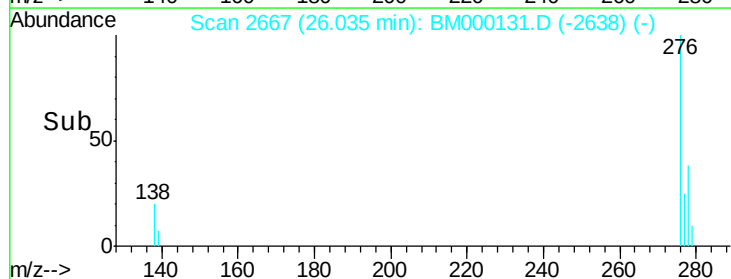
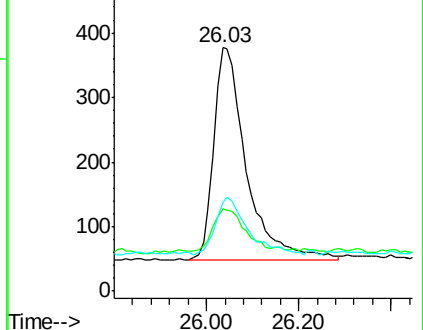
277 25.9 19.9 29.9

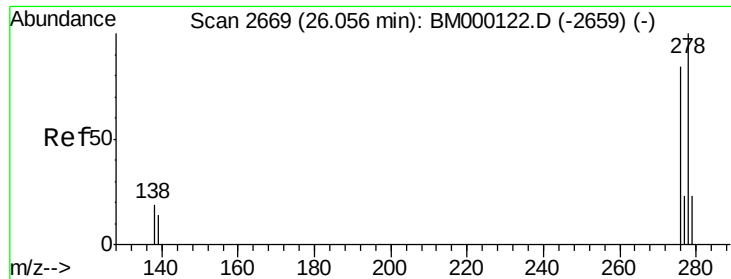


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

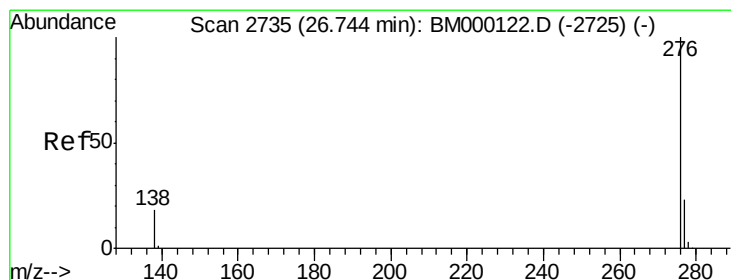
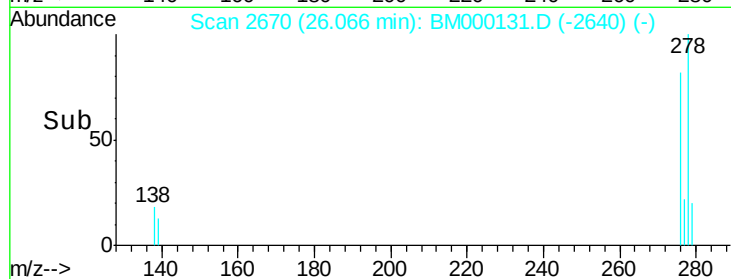
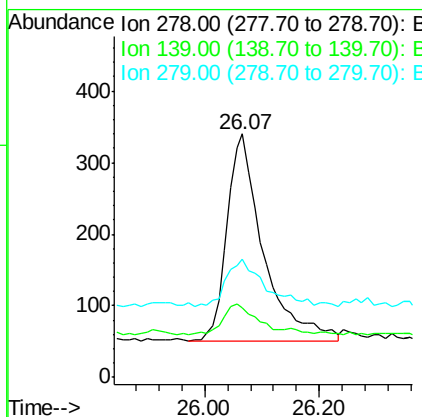
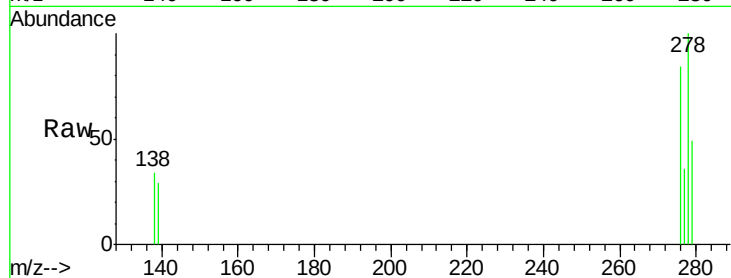




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000131.D
Acq: 07 Jan 2015 16:27

Instrument :
BNA_M
ClientSampleId :
MDL-05-W

Tgt Ion: 278 Resp: 1268
Ion Ratio Lower Upper
278 100
139 28.5 12.6 18.8#
279 48.5 20.6 30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.75 min Scan# 2736
Delta R.T. 0.01 min
Lab File: BM000131.D
Acq: 07 Jan 2015 16:27

Tgt Ion: 276 Resp: 1429
Ion Ratio Lower Upper
276 100
277 37.7 20.0 30.0#
138 32.7 15.7 23.5#

