

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
 Data File : BM000132.D
 Acq On : 07 Jan 2015 17:03
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-W

Quant Time: Jan 08 11:57:48 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	3011	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9837	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5720	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10652	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	9060	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8198	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	4689	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7951	0.35	ng/ul	0.00

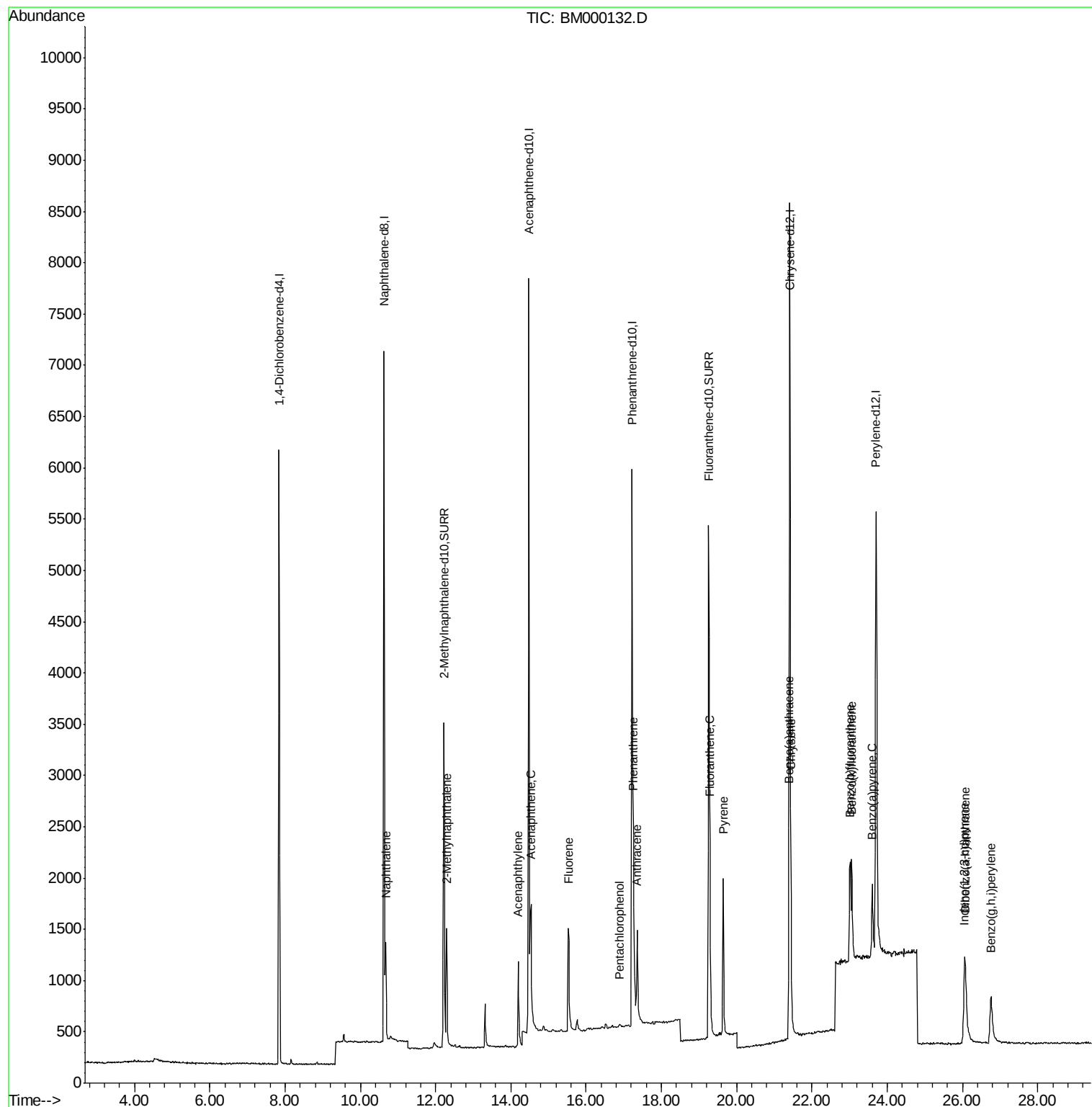
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.68	128	1441	0.05	ng/ul#	88
5) 2-Methylnaphthalene	12.30	142	931	0.05	ng/ul	99
7) Acenaphthylene	14.20	152	1438	0.05	ng/ul#	85
8) Acenaphthene	14.54	153	940	0.05	ng/ul	94
9) Fluorene	15.52	166	1096	0.05	ng/ul#	86
11) Pentachlorophenol	16.89	266	69	0.04	ng/ul#	59
12) Phenanthrene	17.26	178	1747	0.05	ng/ul#	84
13) Anthracene	17.35	178	1609	0.05	ng/ul#	82
15) Fluoranthene	19.28	202	2017	0.06	ng/ul	88
17) Pyrene	19.65	202	2061	0.05	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	1674	0.06	ng/ul#	91
19) Chrysene	21.44	228	1823	0.06	ng/ul	95
21) Benzo(b)fluoranthene	23.01	252	1701	0.05	ng/ul#	62
22) Benzo(k)fluoranthene	23.05	252	1803	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.61	252	1495	0.05	ng/ul#	52
24) Indeno(1,2,3-cd)pyrene	26.05	276	1773	0.05	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.07	278	1474	0.06	ng/ul#	56
26) Benzo(g,h,i)perylene	26.75	276	1633	0.06	ng/ul#	73

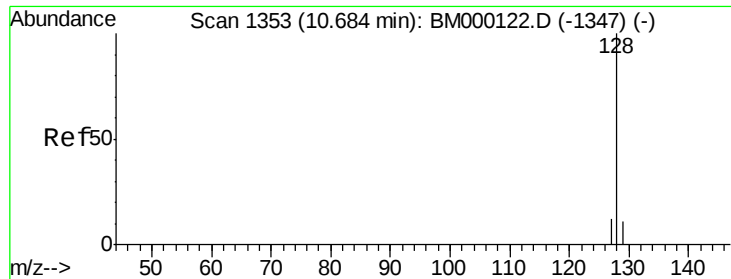
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 08 10:41:47 2015
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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: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

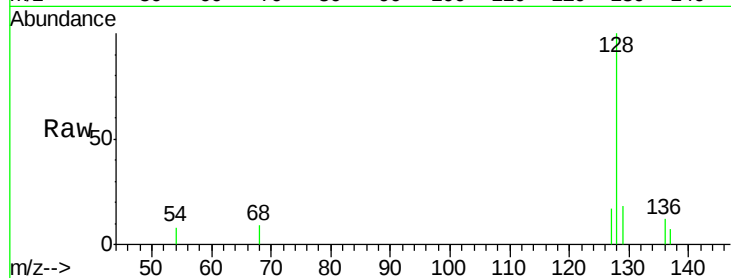
Tot Ion:128 Resp: 1441

Ion Ratio Lower Upper

128 100

129 17.7 9.5 14.3#

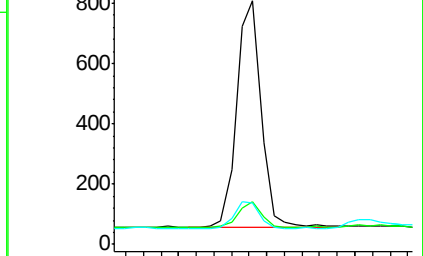
127 16.8 10.4 15.6#



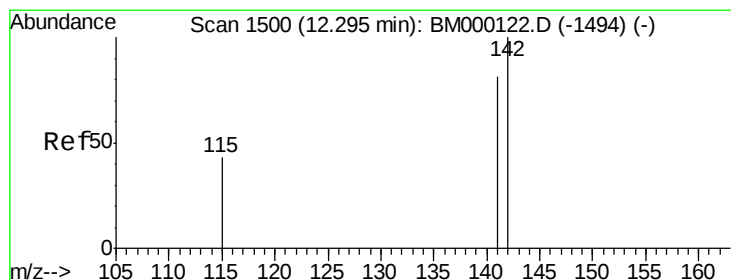
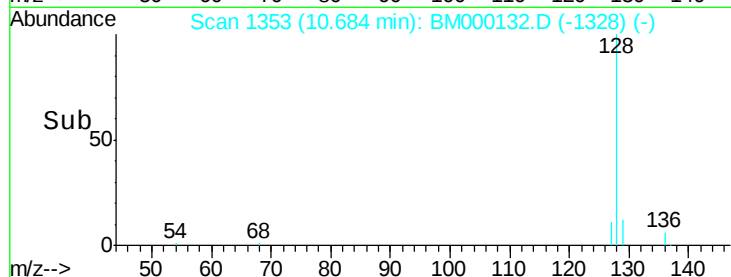
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000132.D

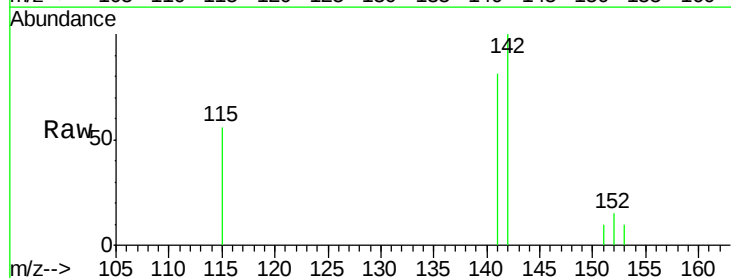
Acq: 07 Jan 2015 17:03

Tgt Ion:142 Resp: 931

Ion Ratio Lower Upper

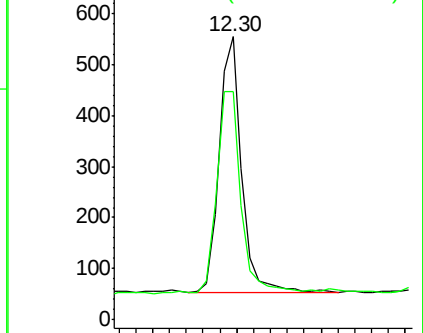
142 100

141 87.1 68.9 103.3

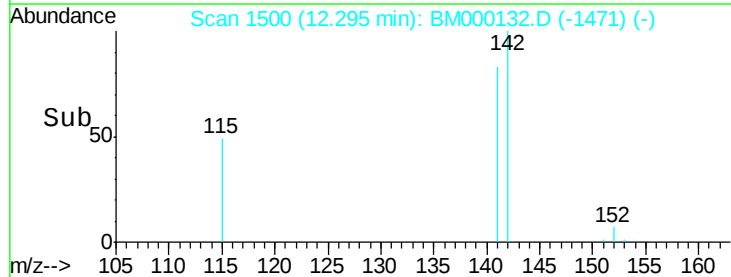


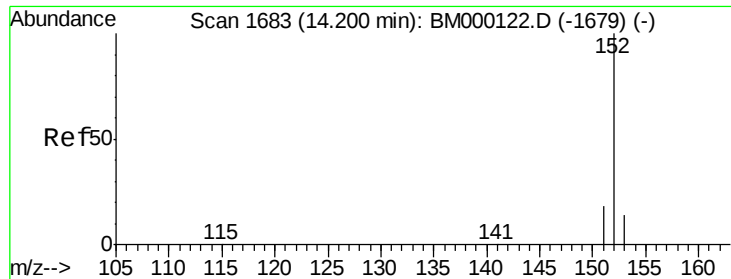
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

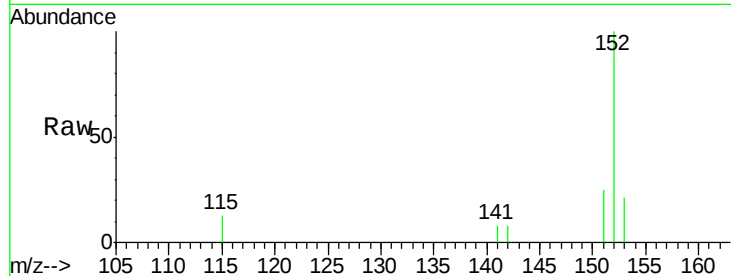
Tot Ion:152 Resp: 1438

Ion Ratio Lower Upper

152 100

151 25.0 15.4 23.2#

153 21.0 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

14.20

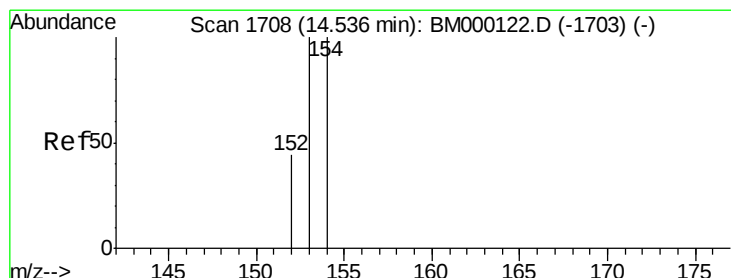
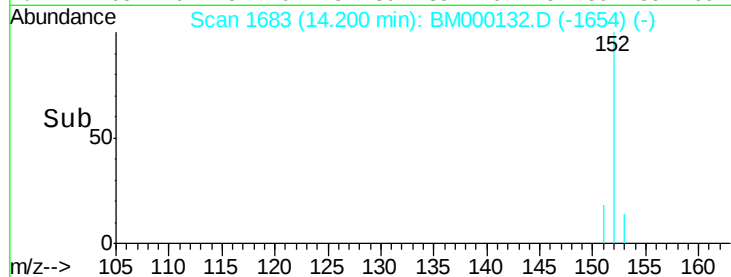
600

400

200

0

Time--> 14.00 14.20 14.40



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

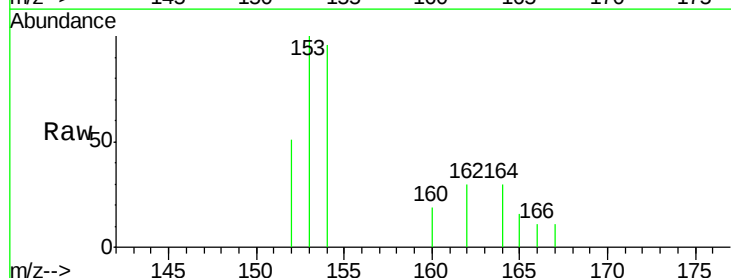
Tgt Ion:153 Resp: 940

Ion Ratio Lower Upper

153 100

152 51.1 35.8 53.6

154 95.6 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

500

400

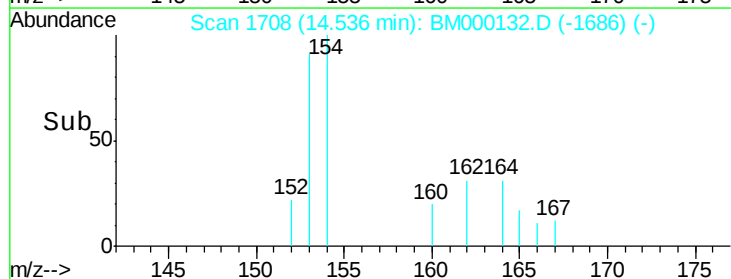
300

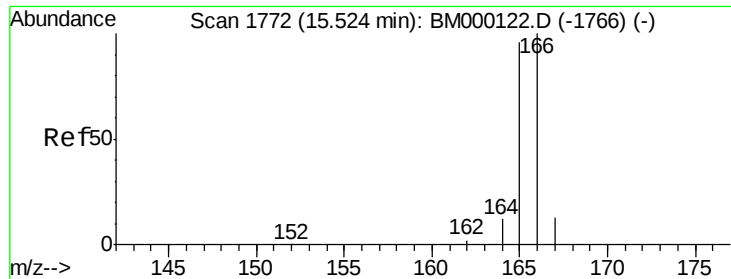
200

100

0

Time--> 14.40 14.60 14.80





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

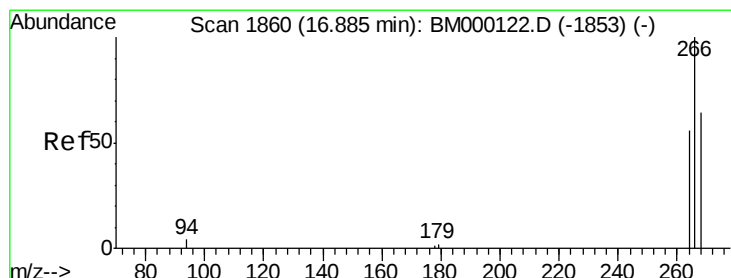
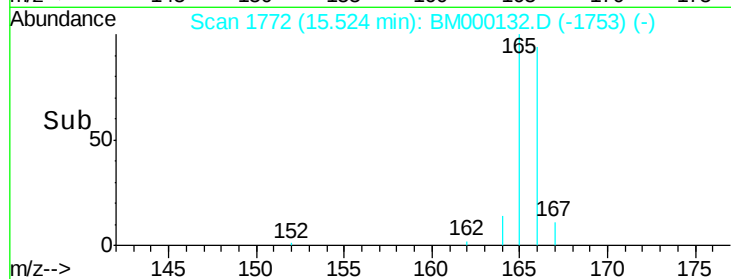
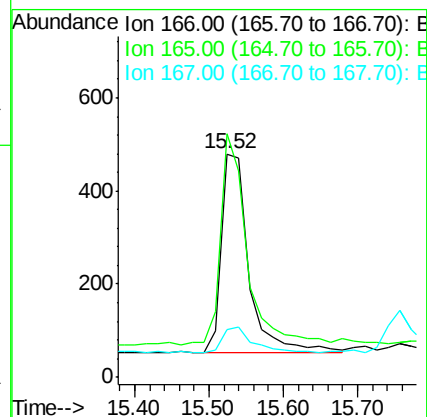
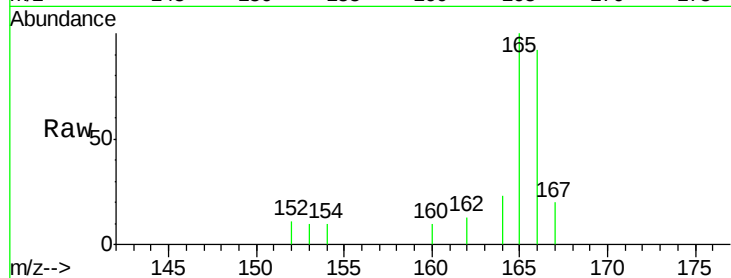
Tot Ion:166 Resp: 1096

Ion Ratio Lower Upper

166 100

165 109.0 77.0 115.4

167 21.2 11.0 16.6#



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.89 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

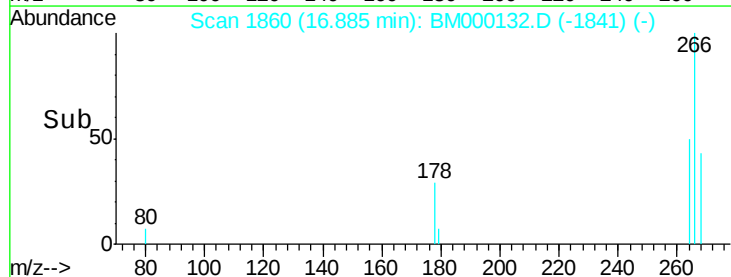
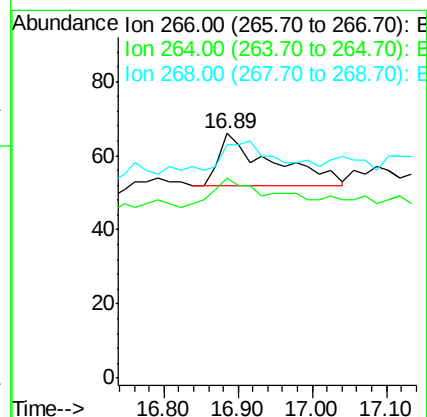
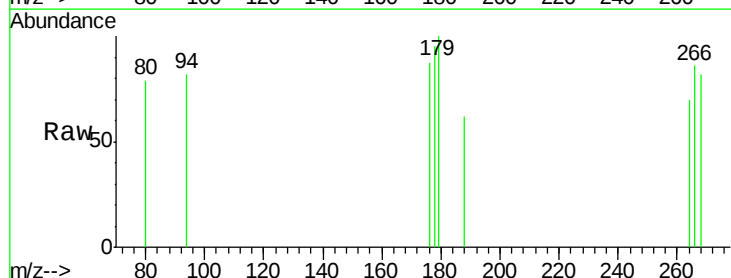
Tgt Ion:266 Resp: 69

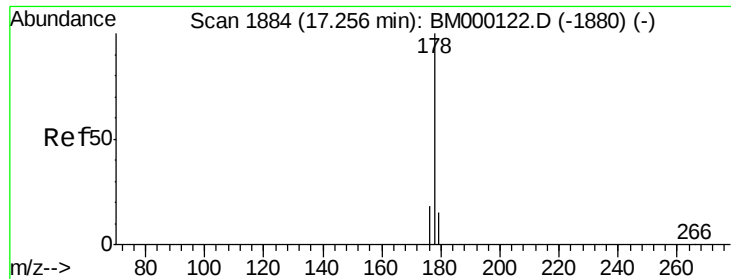
Ion Ratio Lower Upper

266 100

264 63.8 53.9 80.9

268 0.0 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: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

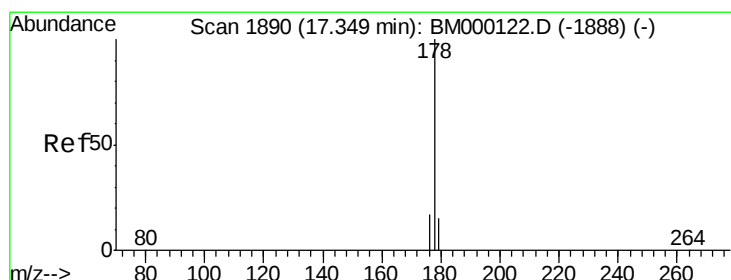
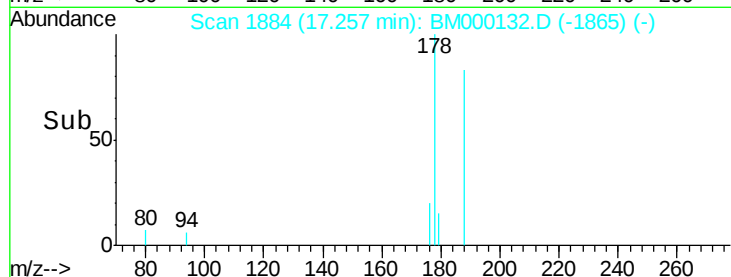
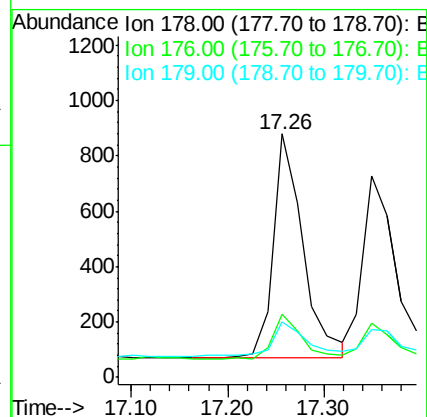
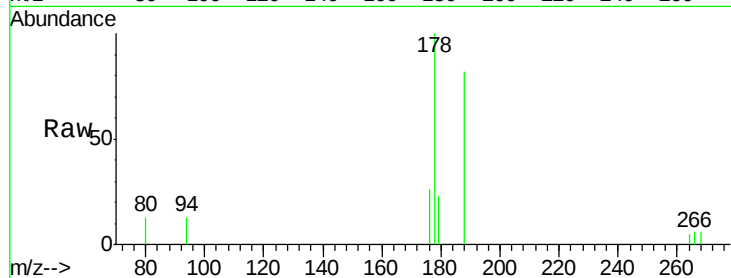
Tot Ion:178 Resp: 1747

Ion Ratio Lower Upper

178 100

176 25.9 15.1 22.7#

179 22.8 13.0 19.4#



#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

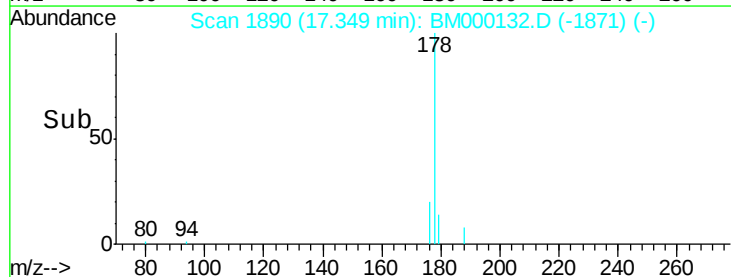
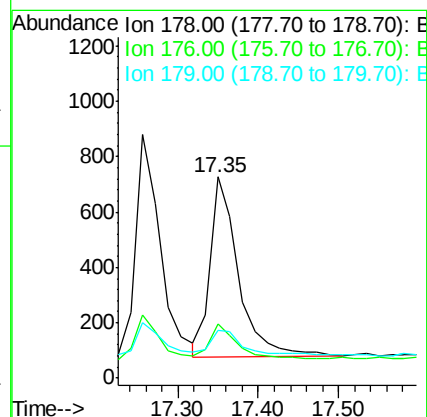
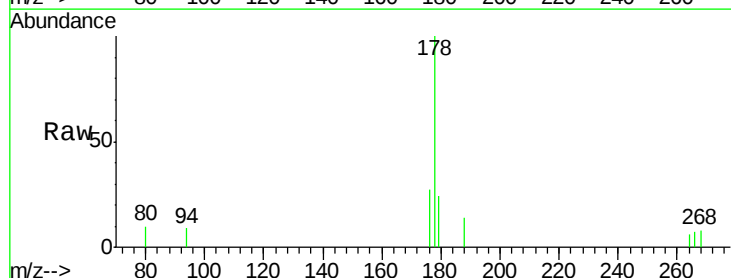
Tgt Ion:178 Resp: 1609

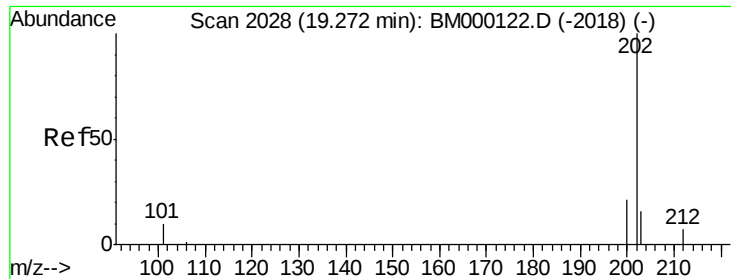
Ion Ratio Lower Upper

178 100

176 27.0 14.6 21.8#

179 23.6 13.1 19.7#

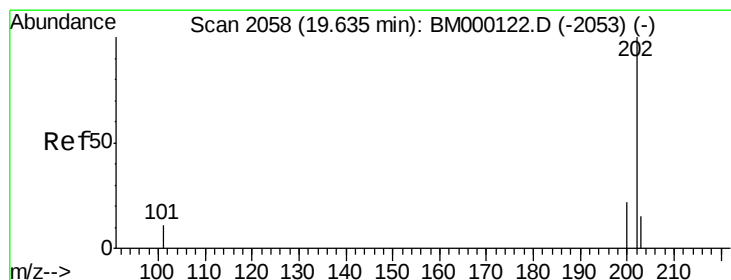
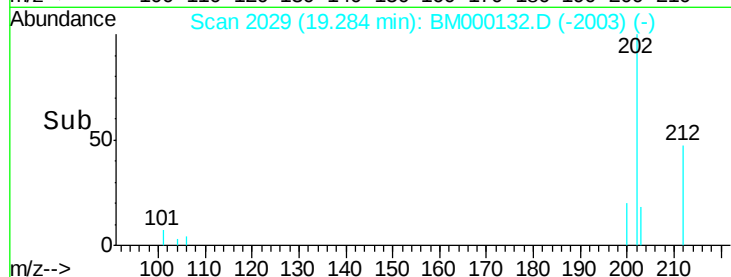
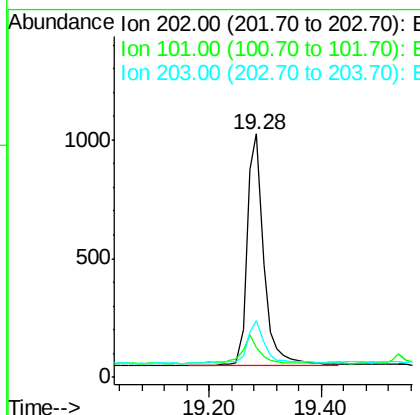
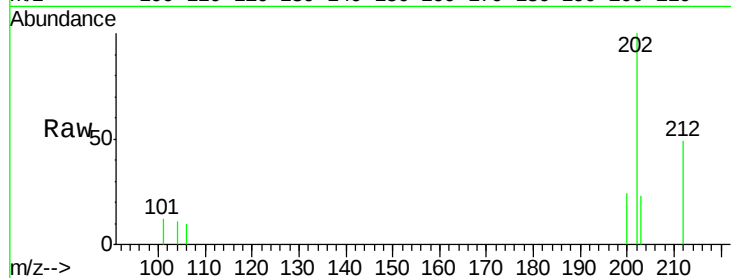




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.28 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM000132.D
Acq: 07 Jan 2015 17:03

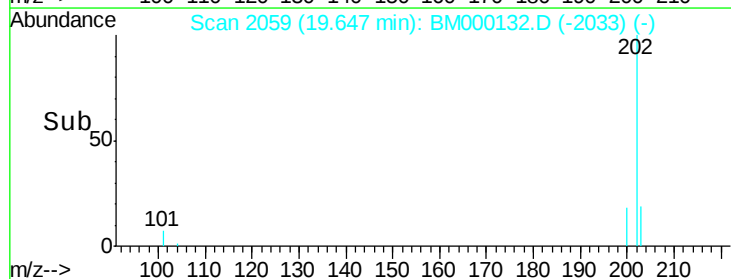
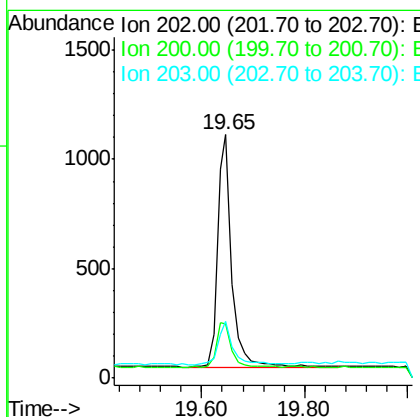
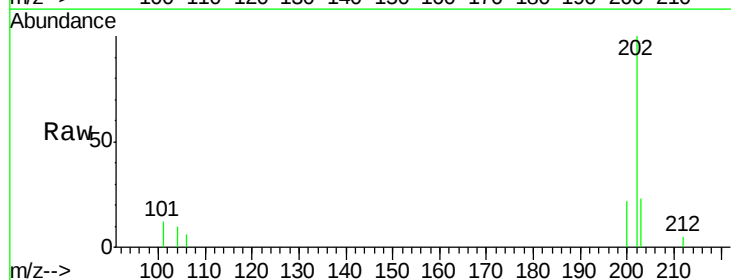
Instrument :
BNA_M
ClientSampleId :
MDL-06-W

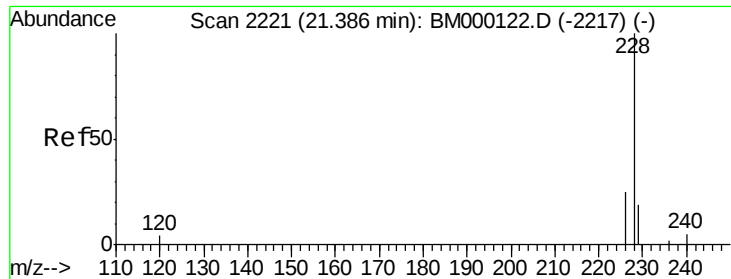
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.5
203	23.4	0.0	36.6



#17
Pyrene
Concen: 0.05 ng/ul
RT: 19.65 min Scan# 2059
Delta R.T. 0.01 min
Lab File: BM000132.D
Acq: 07 Jan 2015 17:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.9	26.9
203	23.4	12.8	19.2#





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

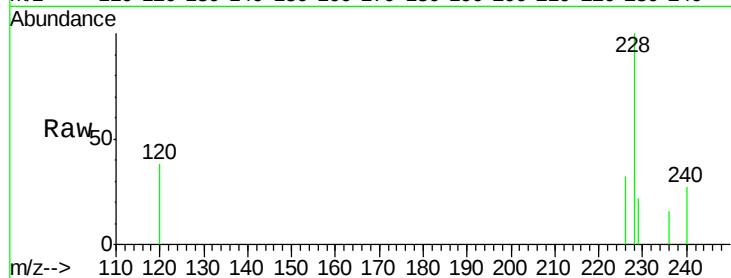
Tot Ion:228 Resp: 1674

Ion Ratio Lower Upper

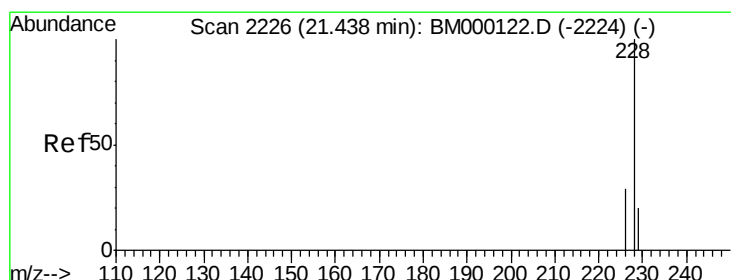
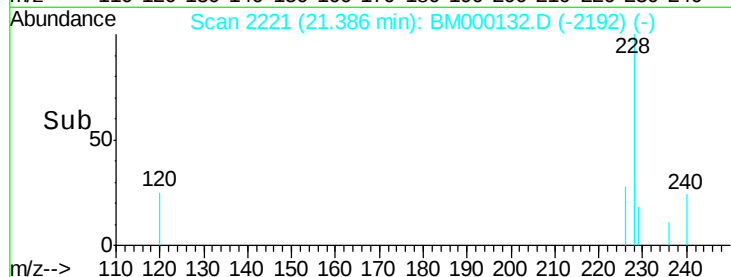
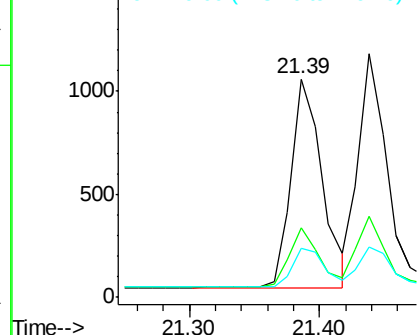
228 100

226 31.6 20.8 31.2#

229 22.5 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: 0.06 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

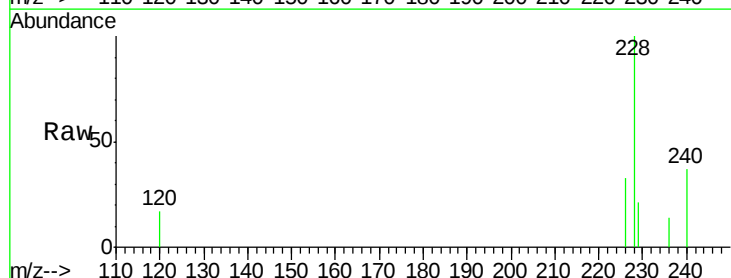
Tgt Ion:228 Resp: 1823

Ion Ratio Lower Upper

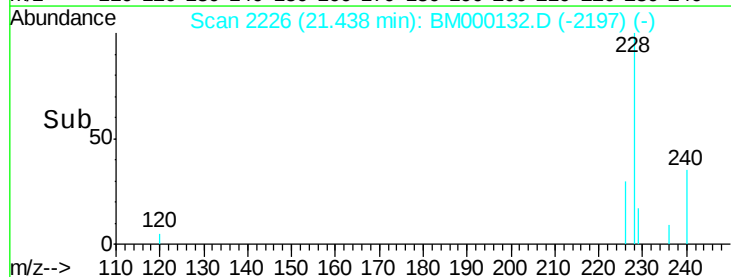
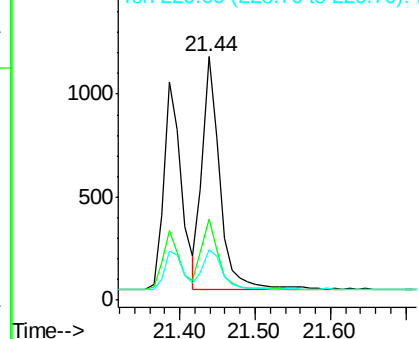
228 100

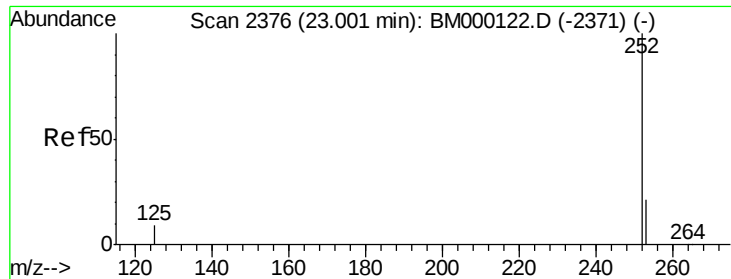
226 33.4 23.8 35.6

229 20.6 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: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

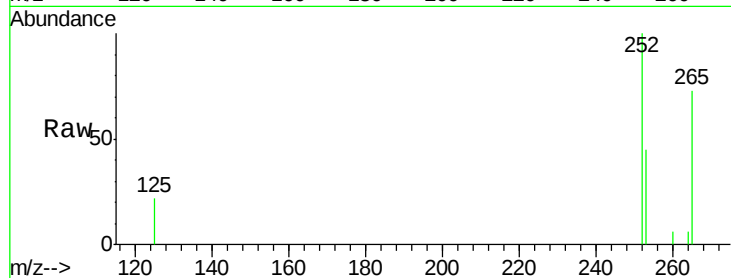
Tot Ion:252 Resp: 1701

Ion Ratio Lower Upper

252 100

253 44.6 0.0 48.2

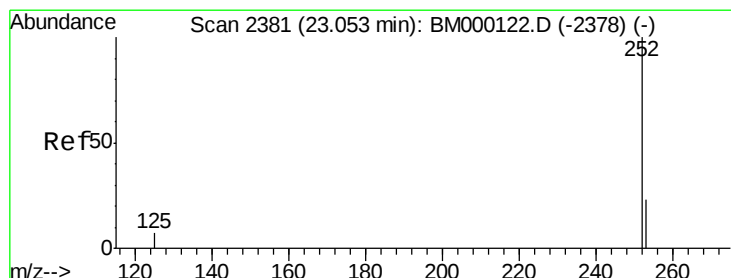
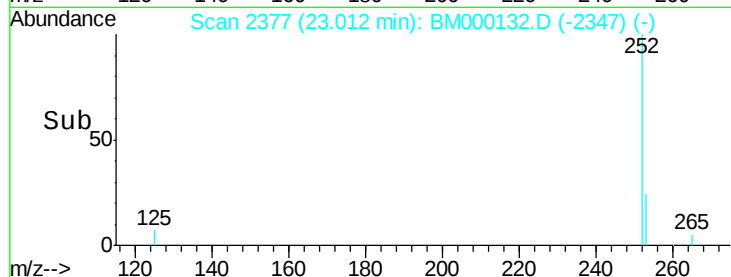
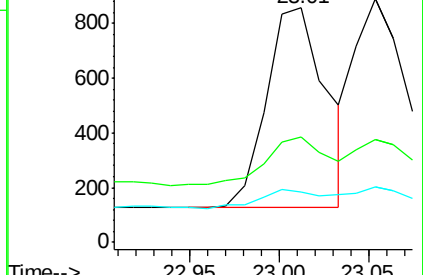
125 21.7 0.0 21.6#



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: 0.06 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

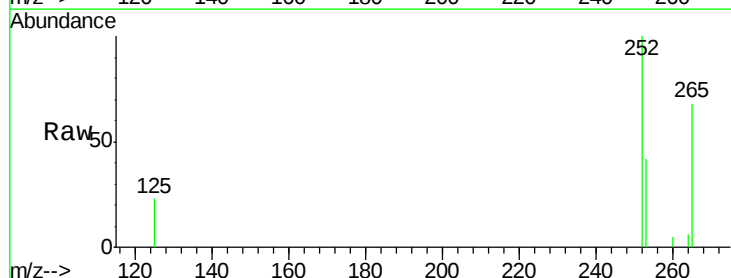
Tgt Ion:252 Resp: 1803

Ion Ratio Lower Upper

252 100

253 42.4 20.5 30.7#

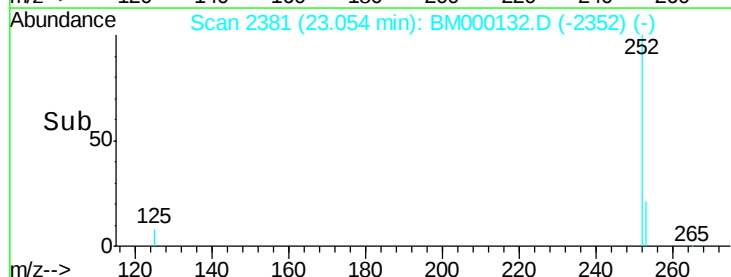
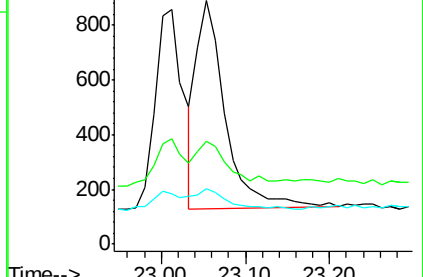
125 22.7 7.8 11.8#

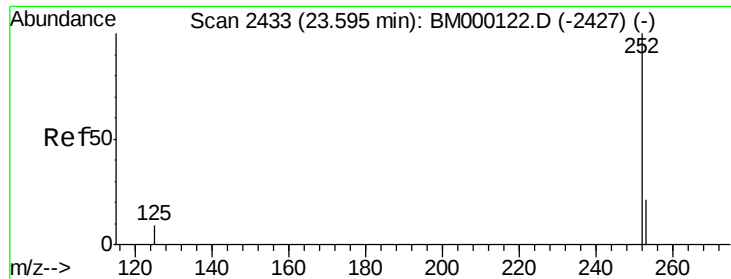


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000132.D

Acq: 07 Jan 2015 17:03

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

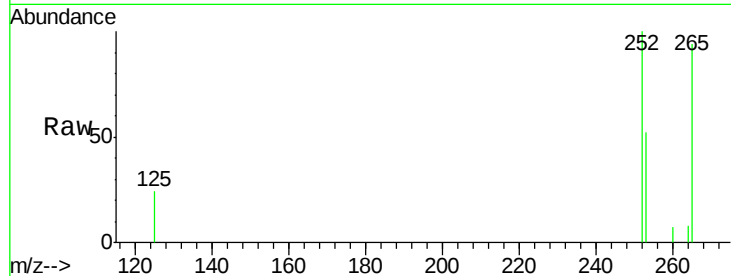
Tot Ion:252 Resp: 1495

Ion Ratio Lower Upper

252 100

253 51.8 19.8 29.6#

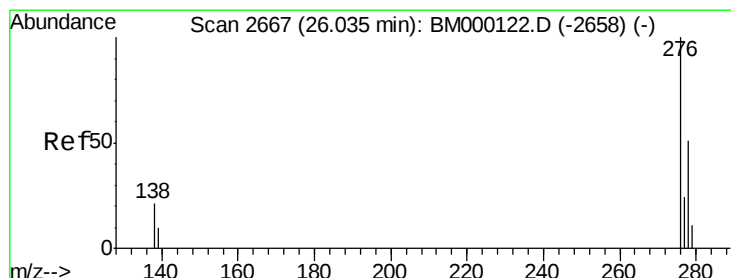
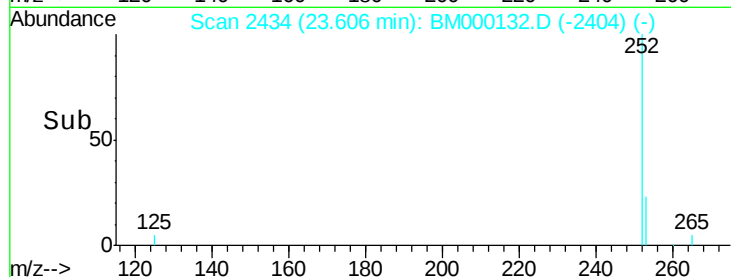
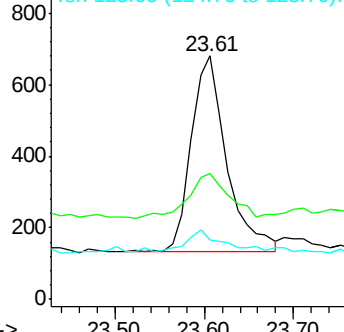
125 24.4 9.2 13.8#



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: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000132.D

Acq: 07 Jan 2015 17:03

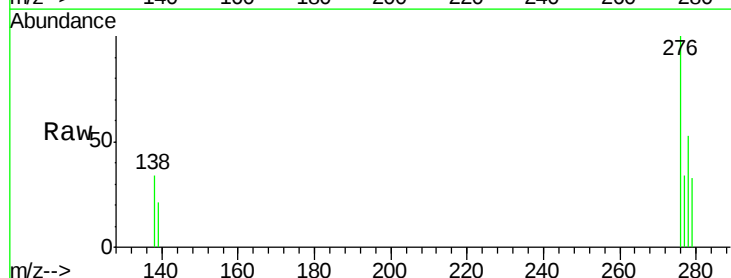
Tgt Ion:276 Resp: 1773

Ion Ratio Lower Upper

276 100

138 0.0 17.6 26.4#

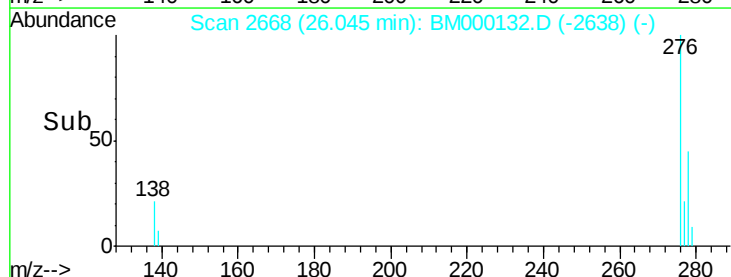
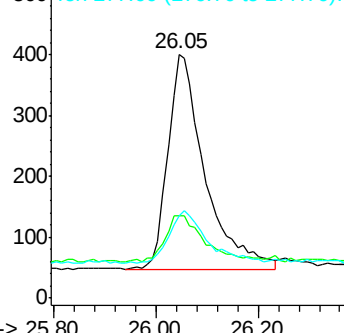
277 25.4 19.9 29.9

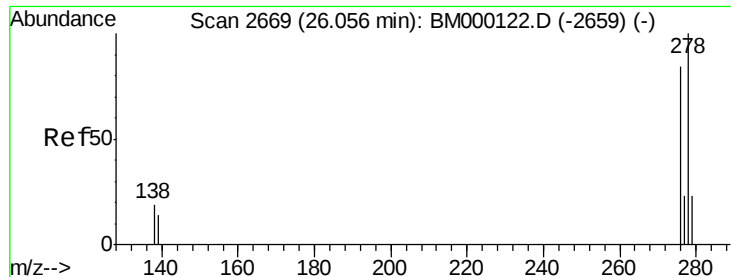


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

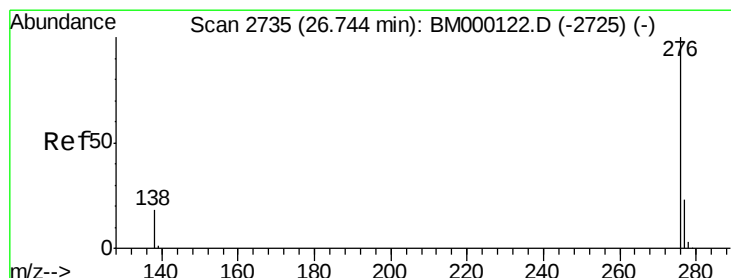
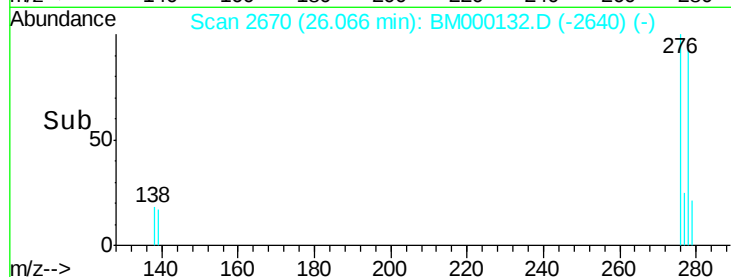
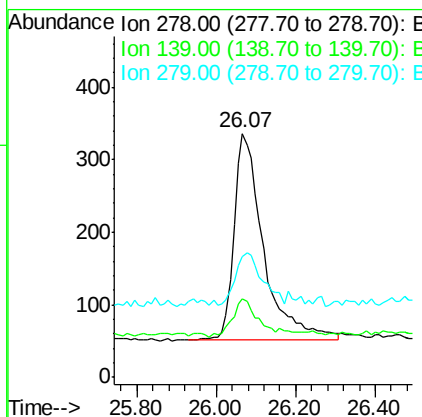
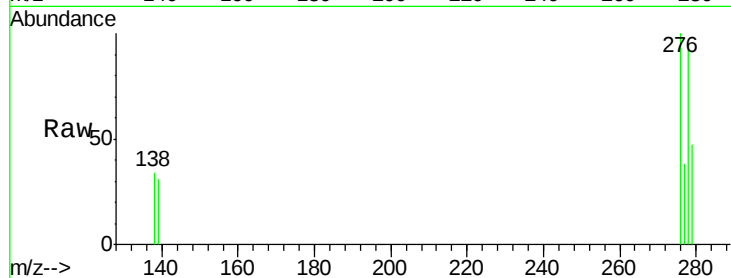




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000132.D
Acq: 07 Jan 2015 17:03

Instrument :
BNA_M
ClientSampleId :
MDL-06-W

Tot Ion:278 Resp: 1474
Ion Ratio Lower Upper
278 100
139 32.4 12.6 18.8#
279 49.7 20.6 30.8#



#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: BM000132.D
Acq: 07 Jan 2015 17:03

Tgt Ion:276 Resp: 1633
Ion Ratio Lower Upper
276 100
277 36.4 20.0 30.0#
138 34.5 15.7 23.5#

