

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021315\
 Data File : BM000521.D
 Acq On : 13 Feb 2015 16:55
 Operator : TP/IZ
 Sample : G1249-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FM0

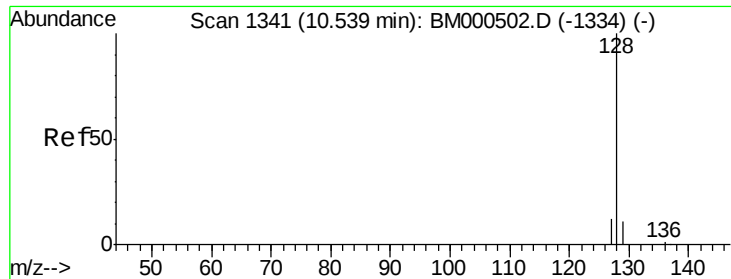
Quant Time: Feb 14 00:40:59 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3993	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	13022	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	7261	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	15071	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	12780	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	10759	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	5764	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	11468	0.36	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	28046	0.92	ng/ul	98
5) 2-Methylnaphthalene	12.16	142	47	0.00	ng/ul	100
7) Acenaphthylene	14.07	152	22325	0.82	ng/ul	99
8) Acenaphthene	14.40	153	17653	0.84	ng/ul#	80
9) Fluorene	15.40	166	25234	1.00	ng/ul	95
11) Pentachlorophenol	16.76	266	398	0.21	ng/ul	98
12) Phenanthrene	17.13	178	32168	0.79	ng/ul	98
13) Anthracene	17.23	178	18674	0.51	ng/ul	97
15) Fluoranthene	19.16	202	512	0.01	ng/ul	64
17) Pyrene	19.53	202	77125	1.68	ng/ul	98
18) Benzo(a)anthracene	21.27	228	29377	0.82	ng/ul	99
19) Chrysene	21.32	228	45446	1.09	ng/ul	97
21) Benzo(b)fluoranthene	22.89	252	19966	0.55	ng/ul	96
22) Benzo(k)fluoranthene	22.89	252	19966	0.55	ng/ul	98
23) Benzo(a)pyrene	23.42	252	625	0.02	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.74	276	27733	0.73	ng/ul	95
25) Dibenzo(a,h)anthracene	25.75	278	1305	0.04	ng/ul#	71
26) Benzo(g,h,i)perylene	26.44	276	31404	0.94	ng/ul	98

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



#3

Naphthalene

Concen: 0.92 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

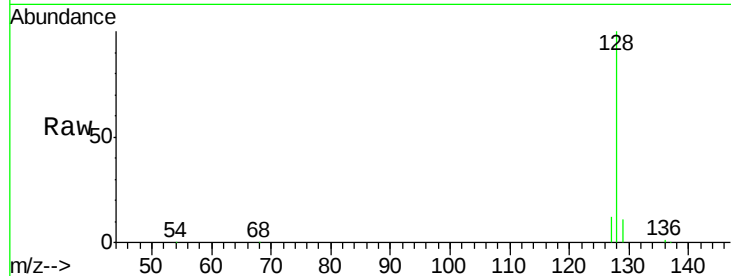
Tgt Ion:128 Resp: 28046

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

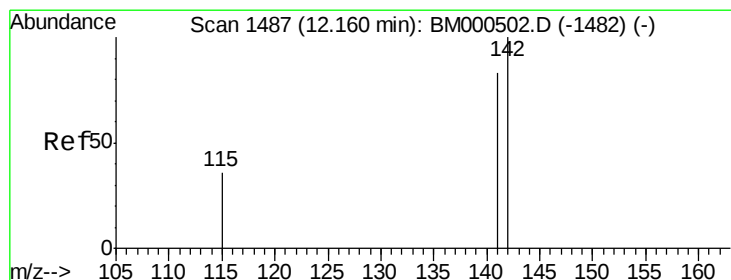
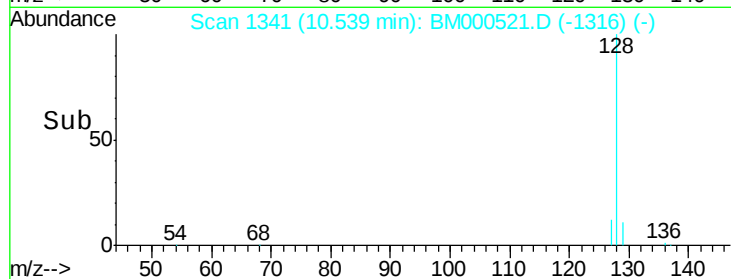
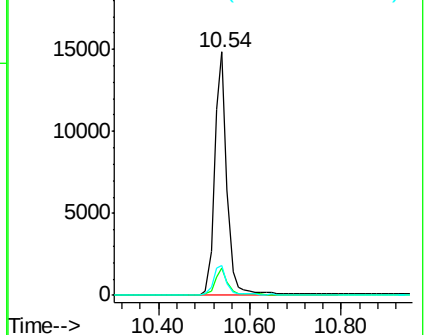
127 12.4 10.4 15.6



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: 0.00 ng/ul

RT: 12.16 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM000521.D

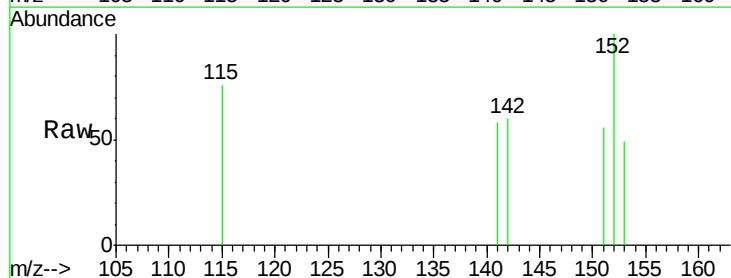
Acq: 13 Feb 2015 16:55

Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

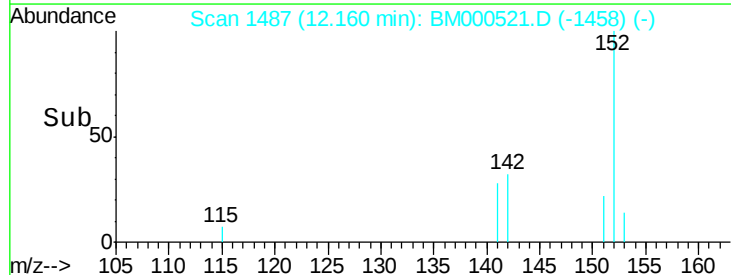
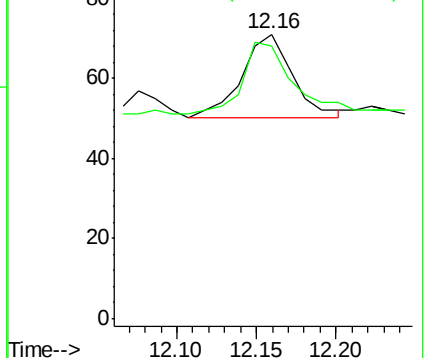
142 100

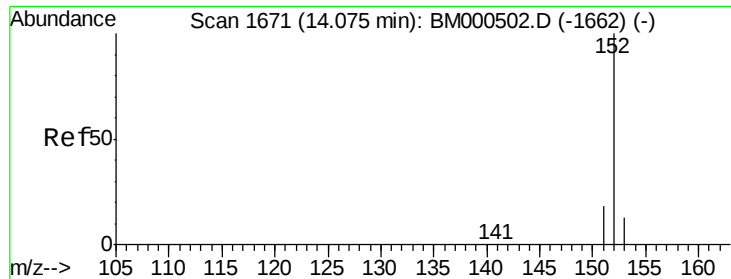
141 87.2 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.82 ng/ul

RT: 14.07 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

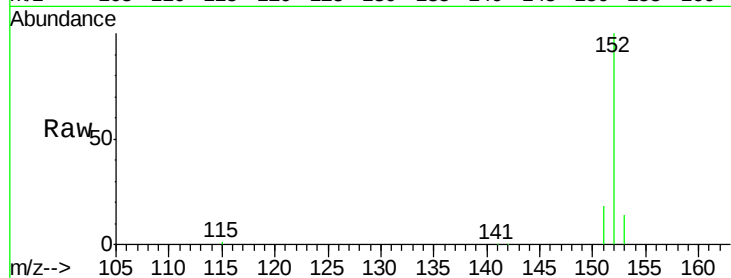
Tgt Ion:152 Resp: 22325

Ion Ratio Lower Upper

152 100

151 18.2 15.0 22.6

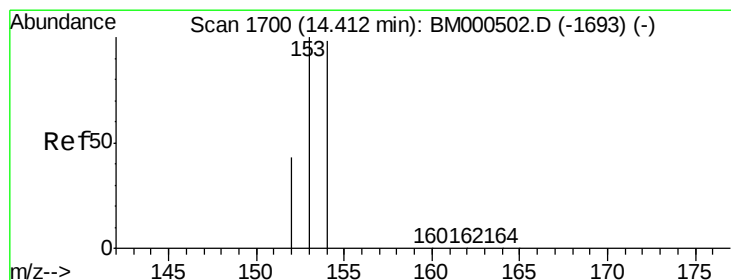
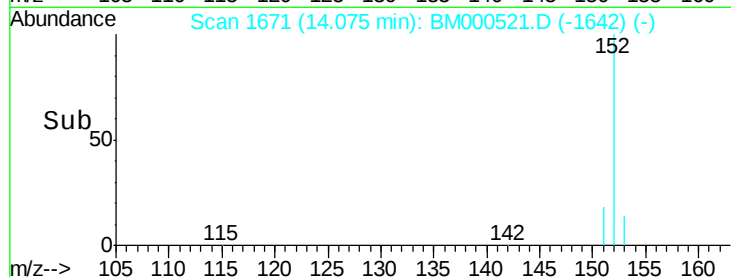
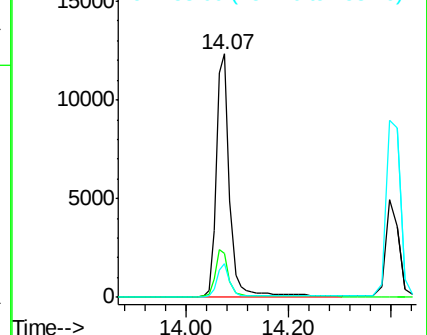
153 13.9 11.1 16.7



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: 0.84 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

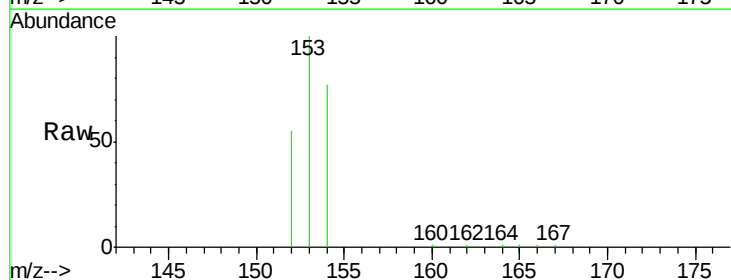
Tgt Ion:153 Resp: 17653

Ion Ratio Lower Upper

153 100

152 55.4 35.1 52.7#

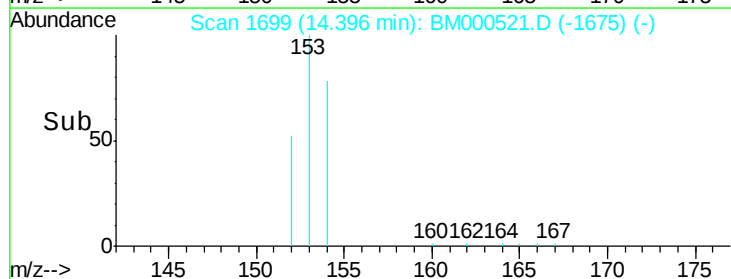
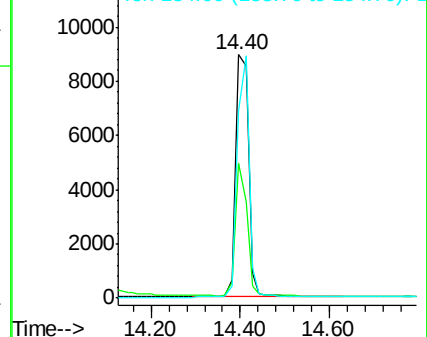
154 76.8 78.5 117.7#

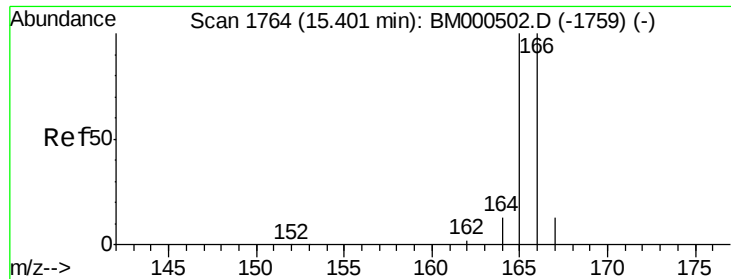


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

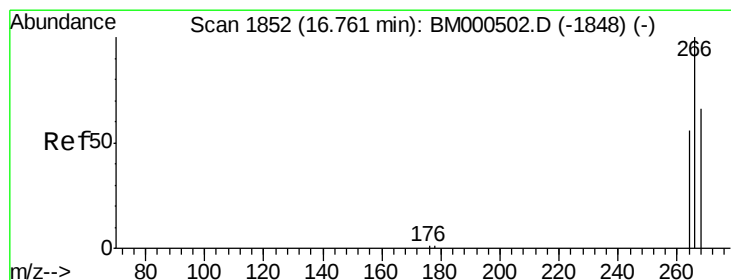
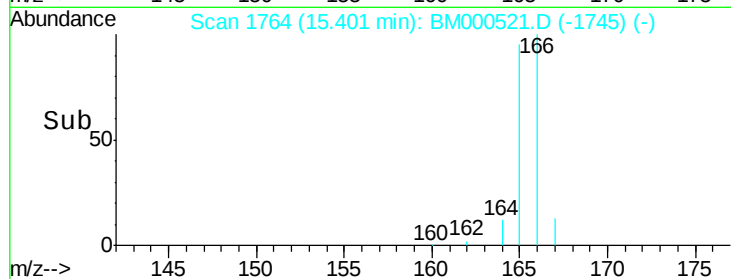
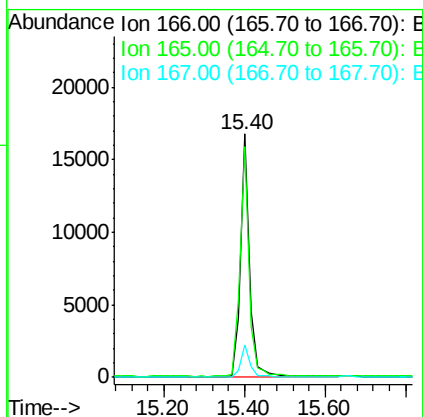
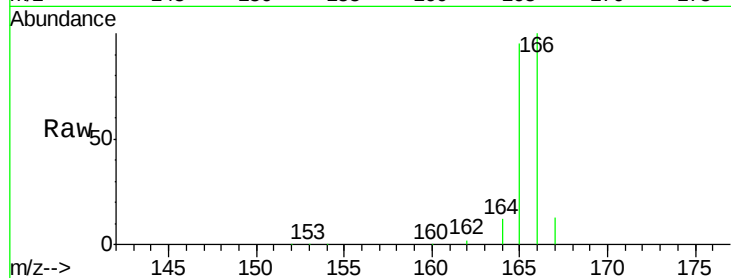




#9
Fluorene
 Concen: 1.00 ng/ul
 RT: 15.40 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BM000521.D
 Acq: 13 Feb 2015 16:55

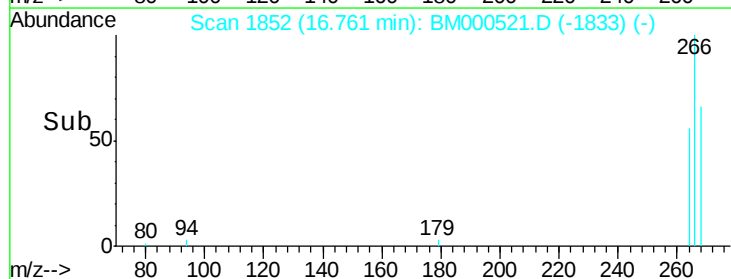
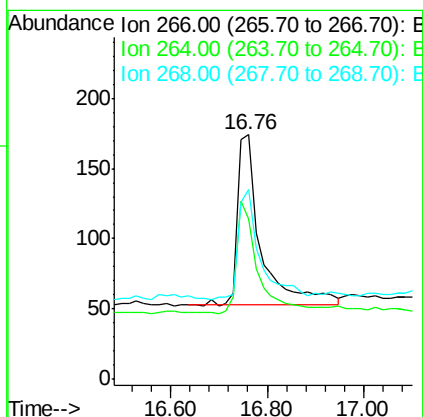
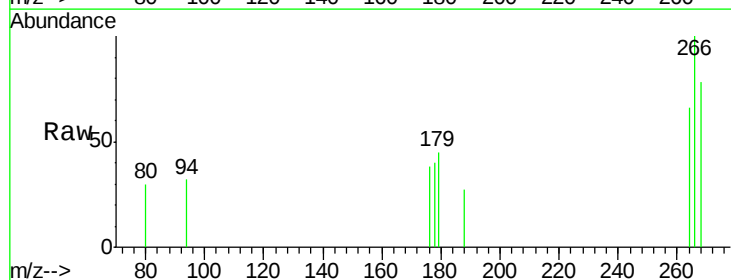
Instrument :
 BNA_M
 ClientSampleId :
 A4FM0

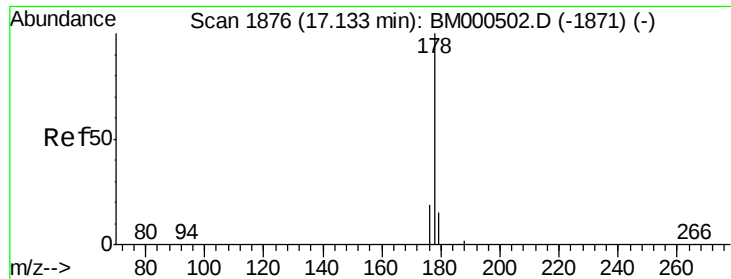
Tgt Ion:166 Resp: 25234
 Ion Ratio Lower Upper
 166 100
 165 95.1 80.0 120.0
 167 13.5 11.4 17.2



#11
Pentachlorophenol
 Concen: 0.21 ng/ul
 RT: 16.76 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BM000521.D
 Acq: 13 Feb 2015 16:55

Tgt Ion:266 Resp: 398
 Ion Ratio Lower Upper
 266 100
 264 62.6 51.4 77.2
 268 62.8 48.7 73.1





#12

Phenanthrene

Concen: 0.79 ng/ul

RT: 17.13 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

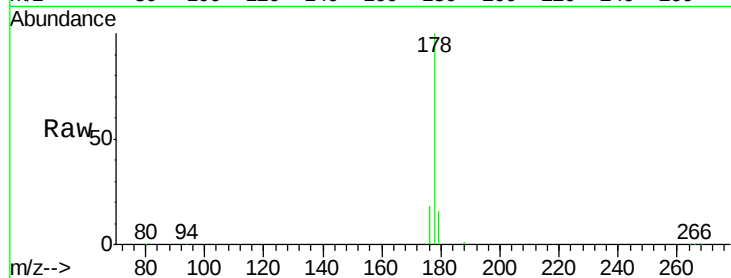
Tgt Ion:178 Resp: 32168

Ion Ratio Lower Upper

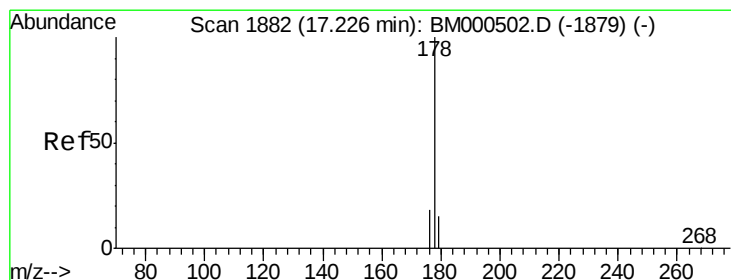
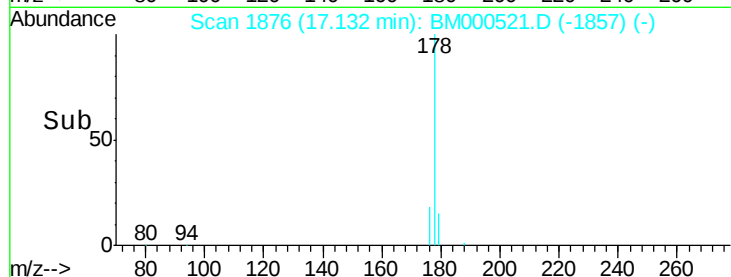
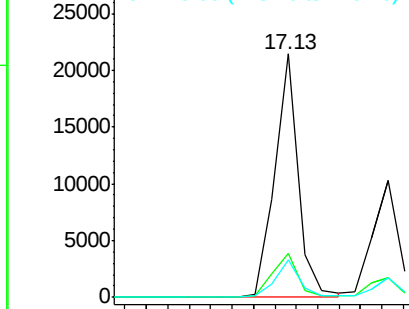
178 100

176 17.9 15.5 23.3

179 15.7 12.5 18.7



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



#13

Anthracene

Concen: 0.51 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

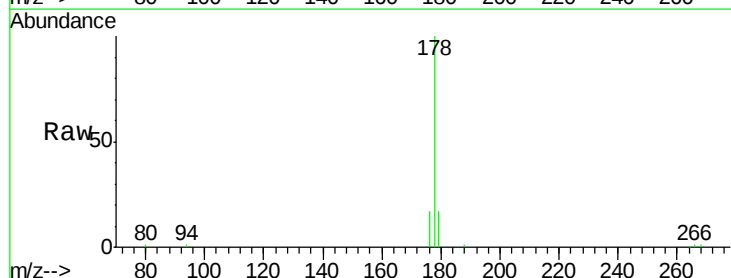
Tgt Ion:178 Resp: 18674

Ion Ratio Lower Upper

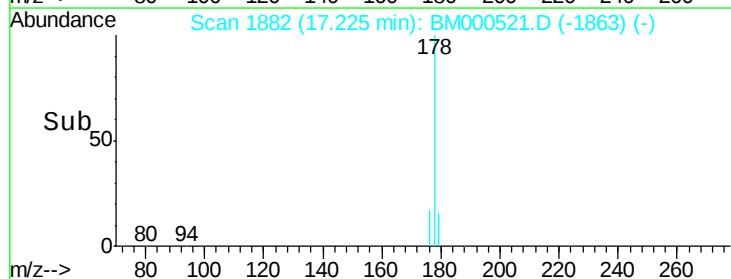
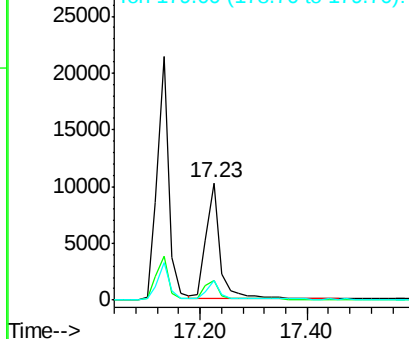
178 100

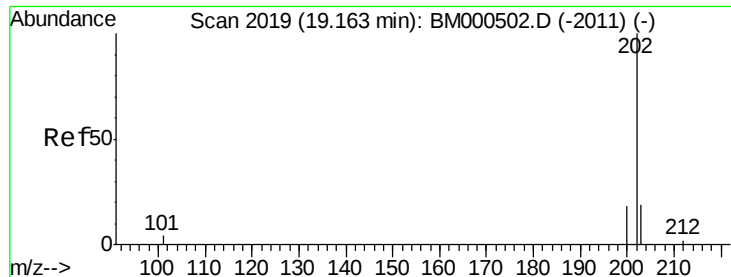
176 17.1 14.9 22.3

179 16.6 12.8 19.2



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: 0.01 ng/ul

RT: 19.16 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

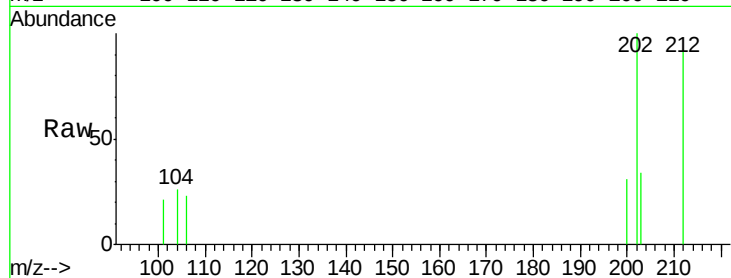
Tgt Ion:202 Resp: 512

Ion Ratio Lower Upper

202 100

101 20.9 0.0 24.8

203 33.9 0.0 39.2



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

19.16

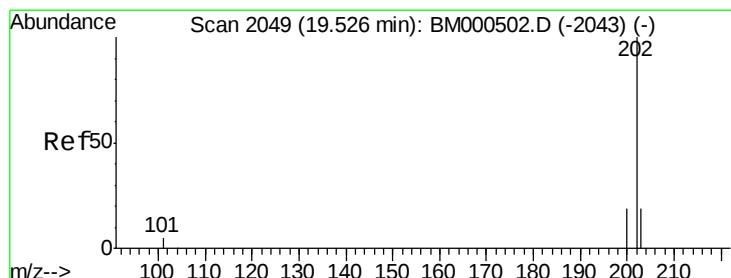
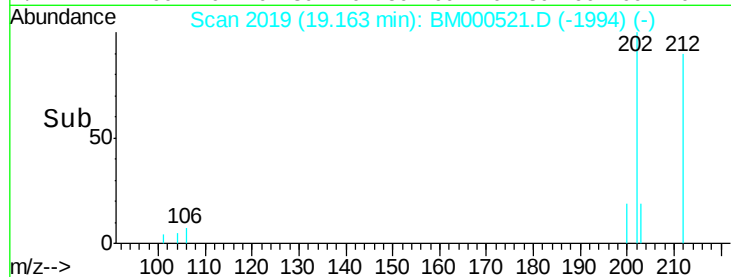
300

200

100

0

Time-->



#17

Pyrene

Concen: 1.68 ng/ul

RT: 19.53 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

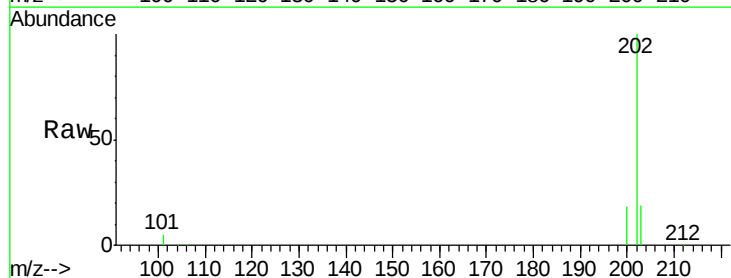
Tgt Ion:202 Resp: 77125

Ion Ratio Lower Upper

202 100

200 18.3 15.4 23.0

203 18.6 15.4 23.2



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

19.53

60000

50000

40000

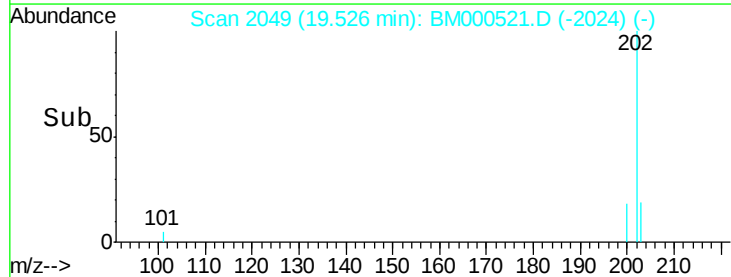
30000

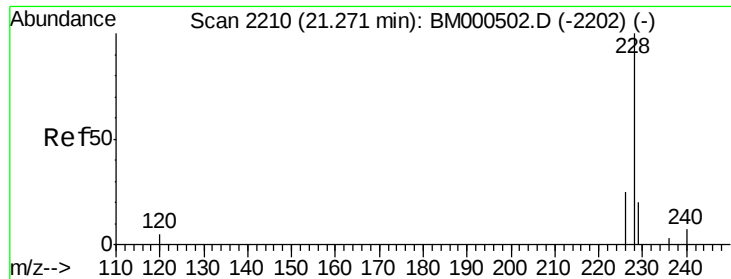
20000

10000

0

Time-->





#18

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

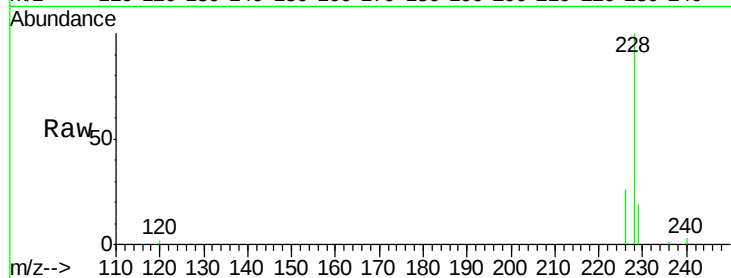
Tgt Ion:228 Resp: 29377

Ion Ratio Lower Upper

228 100

226 25.9 20.6 31.0

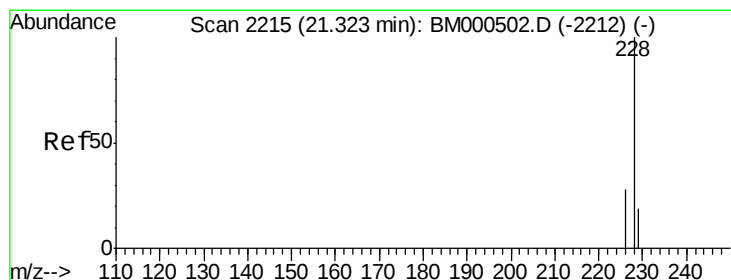
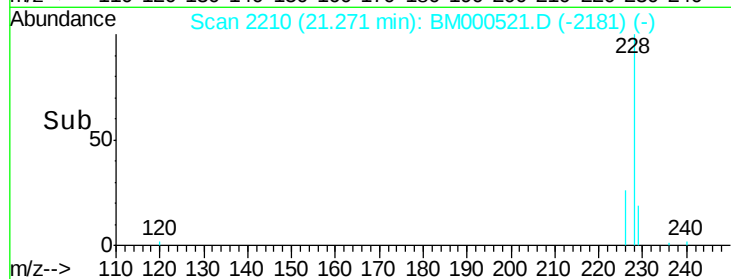
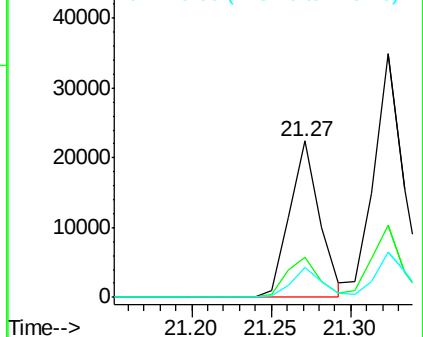
229 19.4 16.3 24.5



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: 1.09 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

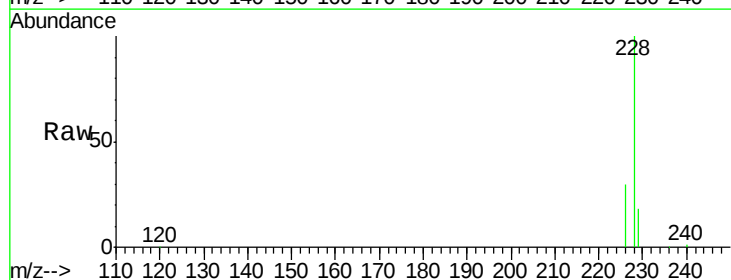
Tgt Ion:228 Resp: 45446

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

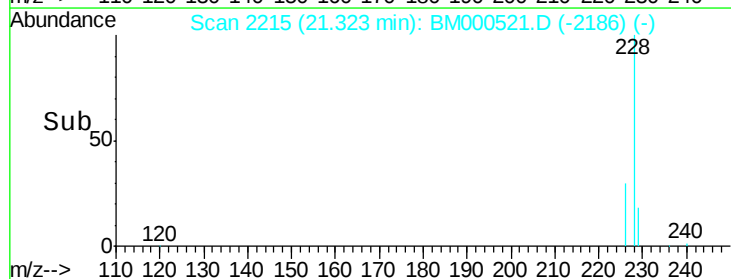
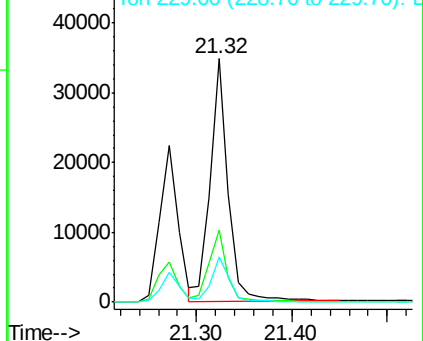
229 18.5 16.0 24.0

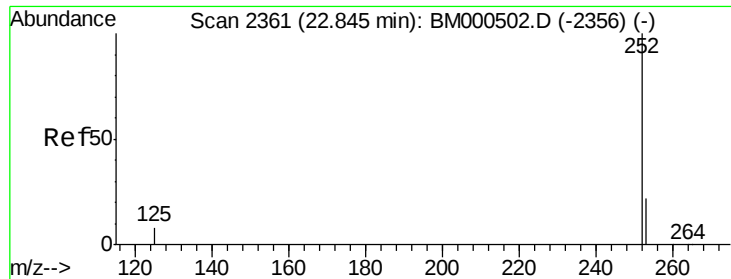


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. 0.04 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

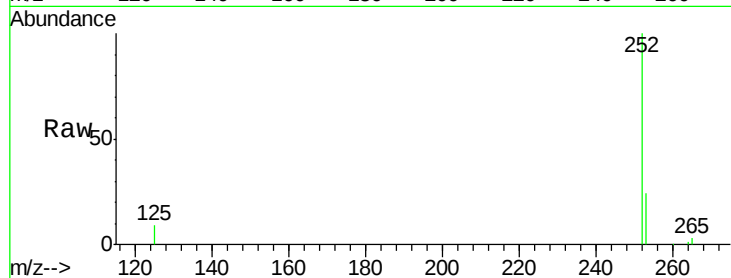
Tgt Ion:252 Resp: 19966

Ion Ratio Lower Upper

252 100

253 23.7 0.0 52.6

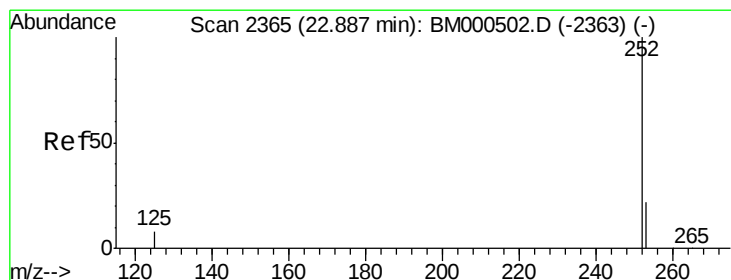
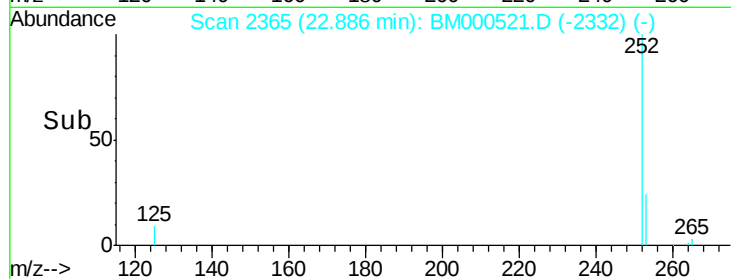
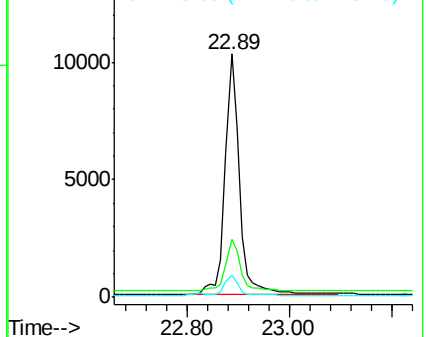
125 9.2 0.0 17.6



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: 0.55 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

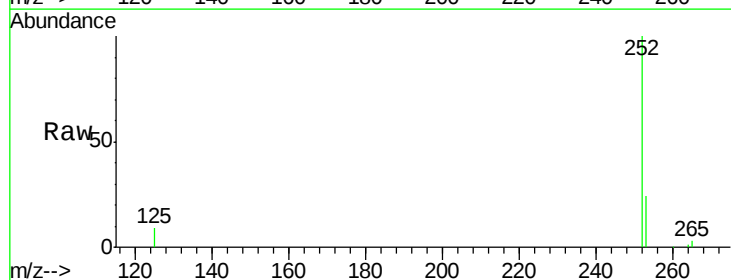
Tgt Ion:252 Resp: 19966

Ion Ratio Lower Upper

252 100

253 23.7 20.2 30.4

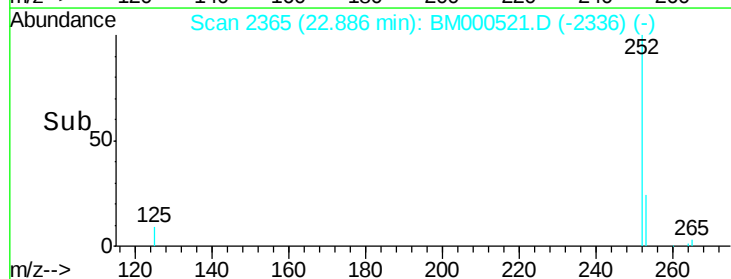
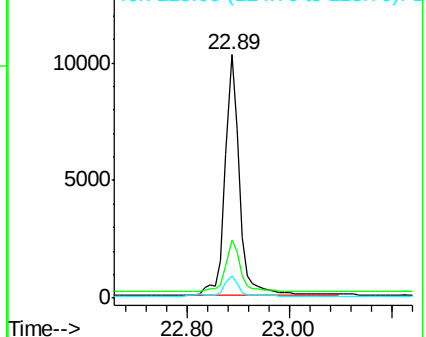
125 9.2 7.4 11.0

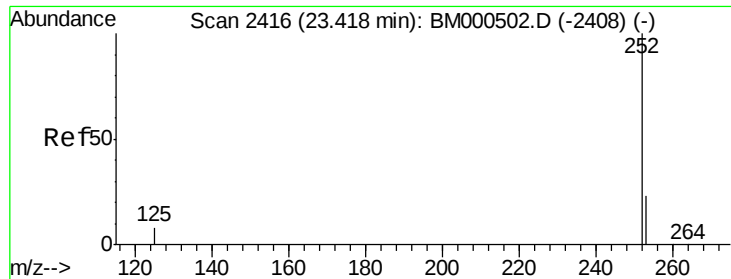


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.42 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

Instrument :

BNA_M

ClientSampleId :

A4FM0

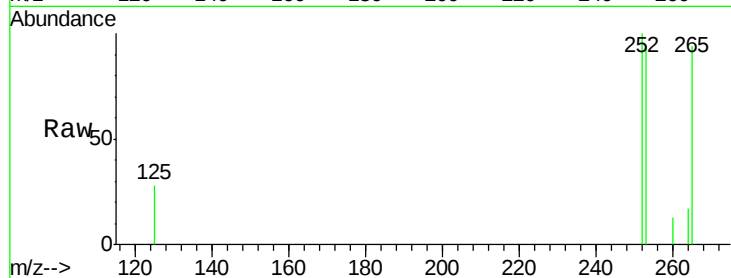
Tgt Ion: 252 Resp: 625

Ion Ratio Lower Upper

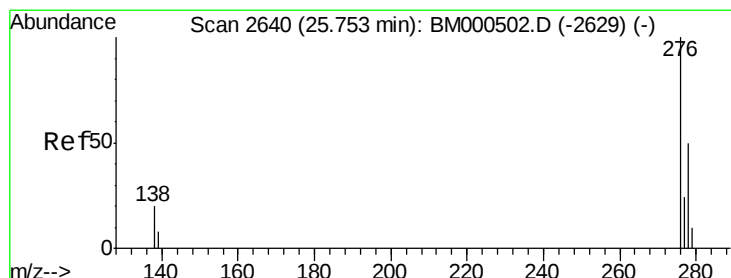
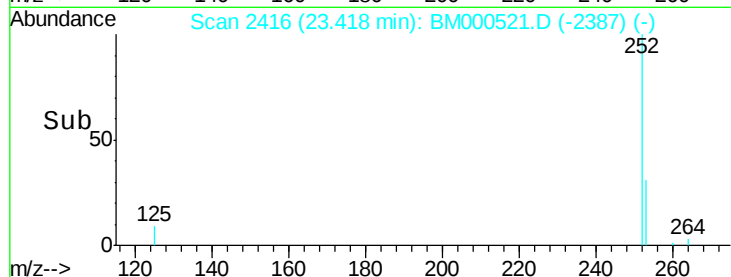
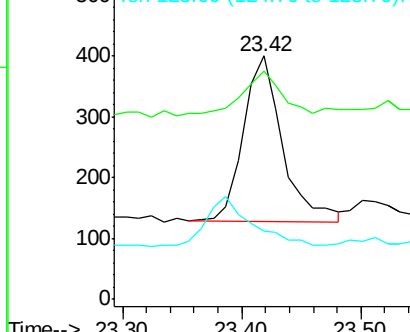
252 100

253 93.5 23.1 34.7#

125 28.0 8.0 12.0#



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: 0.73 ng/ul

RT: 25.74 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BM000521.D

Acq: 13 Feb 2015 16:55

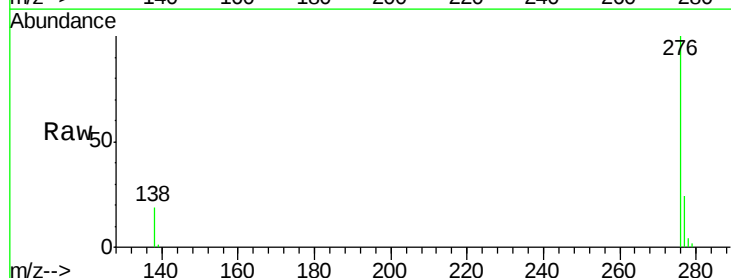
Tgt Ion: 276 Resp: 27733

Ion Ratio Lower Upper

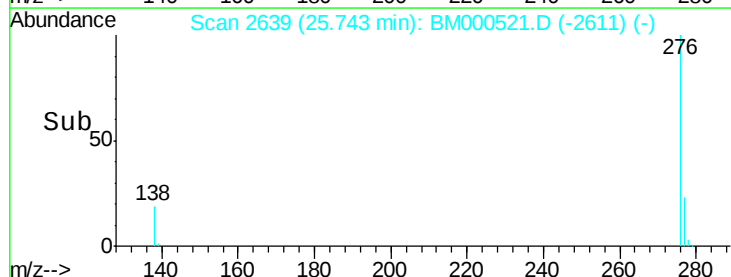
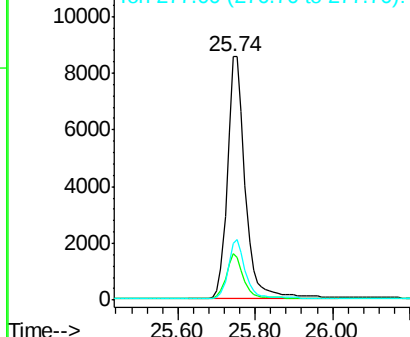
276 100

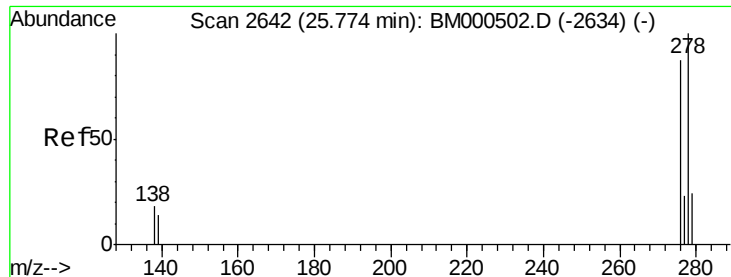
138 17.8 17.3 25.9

277 23.5 19.8 29.8



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

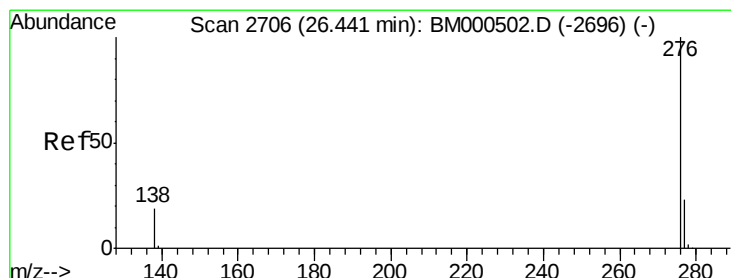
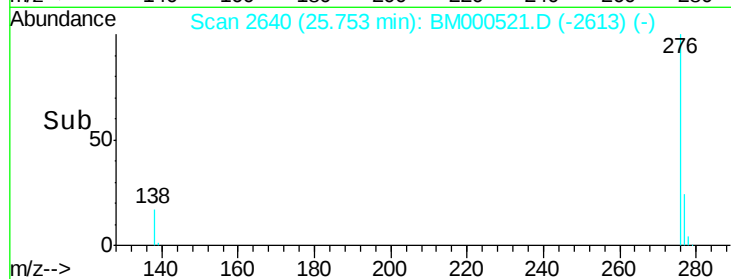
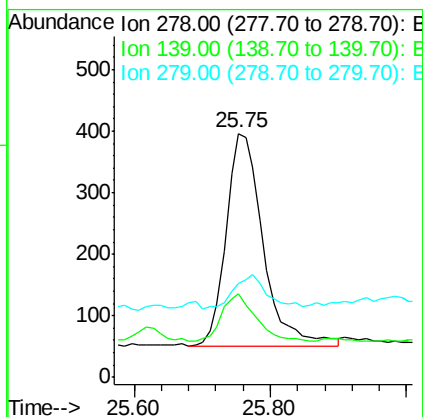
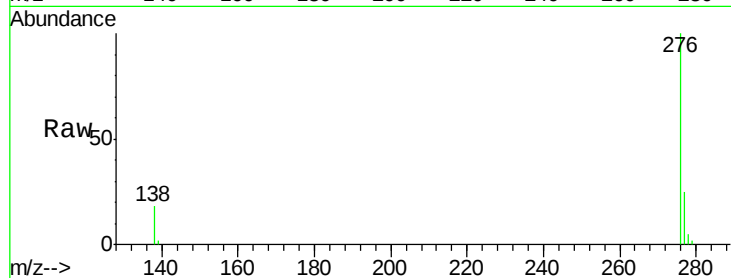




#25
Dibenzo(a,h)anthracene
Concen: 0.04 ng/ul
RT: 25.75 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BM000521.D
Acq: 13 Feb 2015 16:55

Instrument :
BNA_M
ClientSampleId :
A4FM0

Tgt Ion: 278 Resp: 1305
Ion Ratio Lower Upper
278 100
139 34.1 12.5 18.7#
279 38.4 22.2 33.2#



#26
Benzo(g,h,i)perylene
Concen: 0.94 ng/ul
RT: 26.44 min Scan# 2706
Delta R.T. -0.00 min
Lab File: BM000521.D
Acq: 13 Feb 2015 16:55

Tgt Ion: 276 Resp: 31404
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 18.7 16.0 24.0

