

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021315\
 Data File : BM000522.D
 Acq On : 13 Feb 2015 17:30
 Operator : TP/IZ
 Sample : G1249-12DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FMDL

Quant Time: Feb 14 00:50:27 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	3762	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	11902	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	7114	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	14309	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	12249	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	10576	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.09	152	2657	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	5636	0.19	ng/ul	0.00

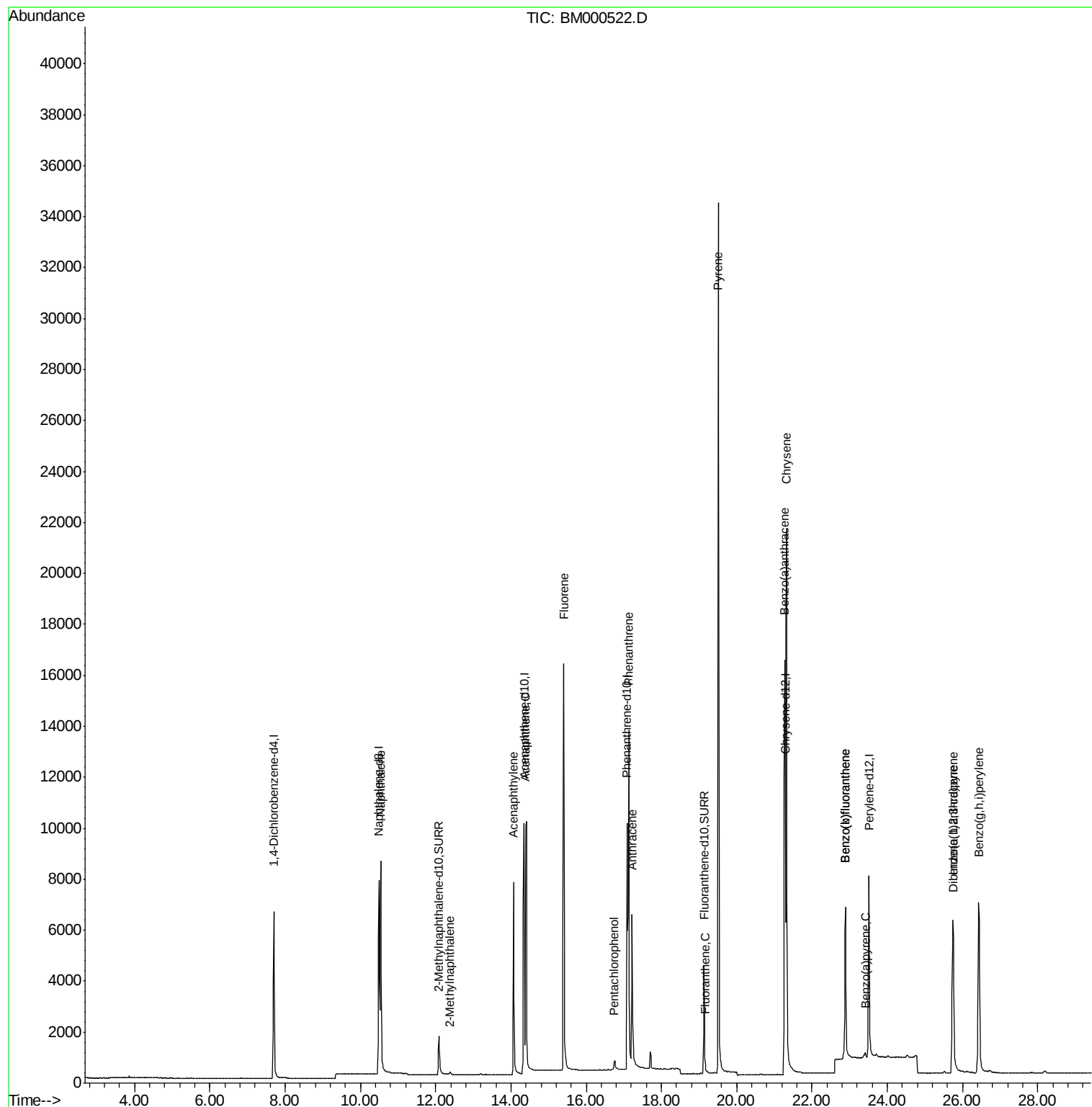
Target Compounds						Qvalue
3) Naphthalene	10.54	128	13091	0.47	ng/ul	100
5) 2-Methylnaphthalene	12.38	142	98	0.01	ng/ul	92
7) Acenaphthylene	14.07	152	10563	0.39	ng/ul	99
8) Acenaphthene	14.40	153	8374	0.41	ng/ul#	81
9) Fluorene	15.40	166	11741	0.47	ng/ul	98
11) Pentachlorophenol	16.75	266	509	0.28	ng/ul	93
12) Phenanthrene	17.13	178	15435	0.40	ng/ul	98
13) Anthracene	17.23	178	8775	0.25	ng/ul	98
15) Fluoranthene	19.15	202	263	0.01	ng/ul#	36
17) Pyrene	19.51	202	37038	0.84	ng/ul	92
18) Benzo(a)anthracene	21.27	228	14037	0.41	ng/ul	97
19) Chrysene	21.32	228	22912	0.58	ng/ul	98
21) Benzo(b)fluoranthene	22.89	252	9800	0.27	ng/ul	97
22) Benzo(k)fluoranthene	22.89	252	9800	0.28	ng/ul	96
23) Benzo(a)pyrene	23.42	252	311	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.74	276	13433	0.36	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.75	278	640	0.02	ng/ul#	36
26) Benzo(g,h,i)perylene	26.43	276	15170	0.46	ng/ul	100

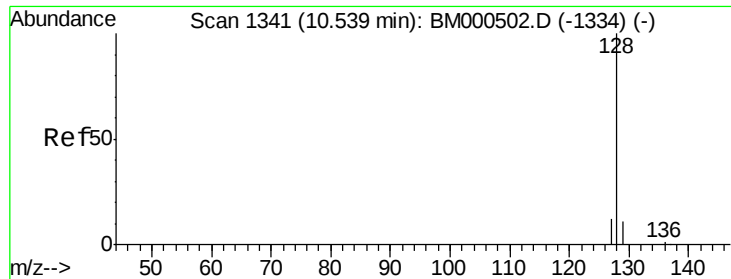
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 12 16:45:55 2015
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#3

Naphthalene

Concen: 0.47 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

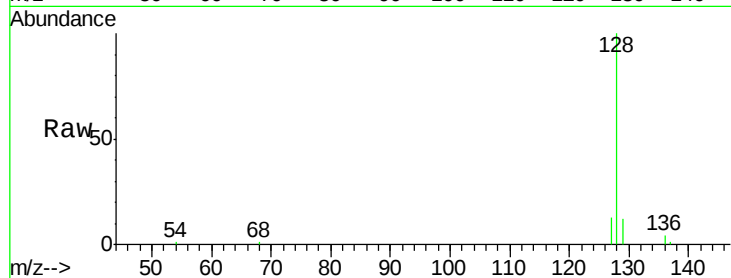
Tgt Ion:128 Resp: 13091

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

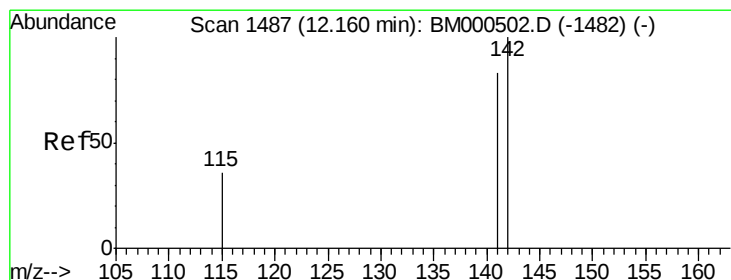
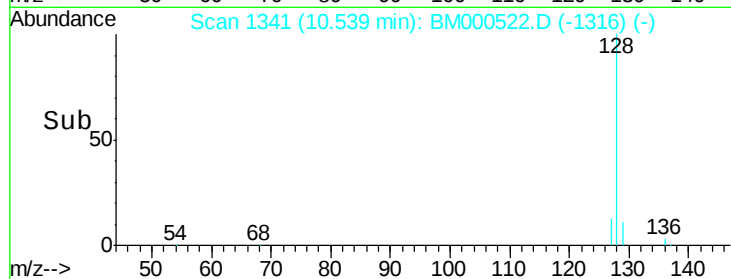
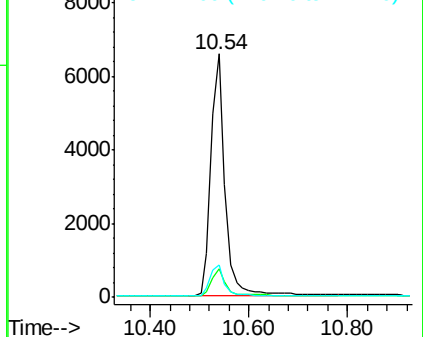
127 13.2 10.4 15.6



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: 0.01 ng/ul

RT: 12.38 min Scan# 1508

Delta R.T. 0.22 min

Lab File: BM000522.D

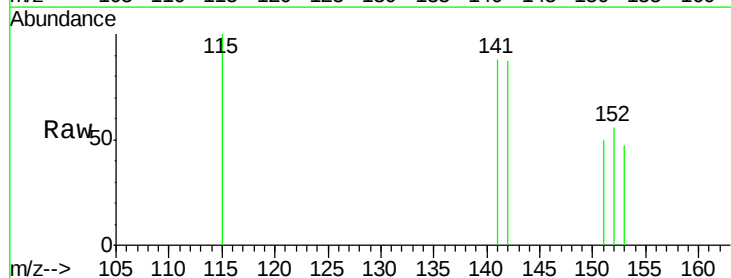
Acq: 13 Feb 2015 17:30

Tgt Ion:142 Resp: 98

Ion Ratio Lower Upper

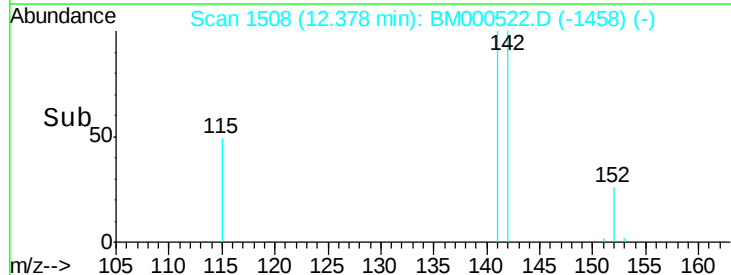
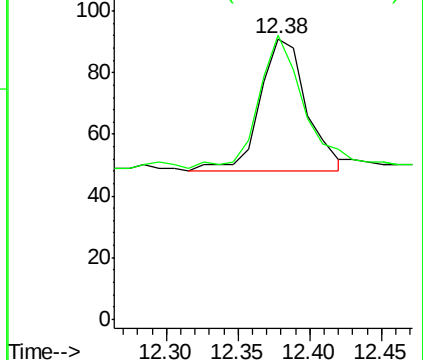
142 100

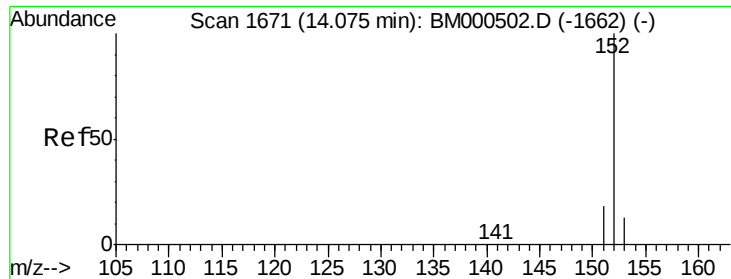
141 94.9 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.07 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

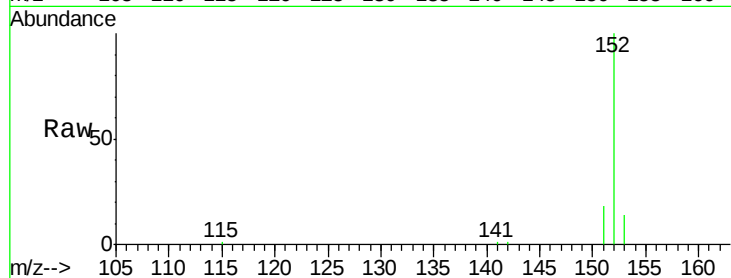
Tgt Ion:152 Resp: 10563

Ion Ratio Lower Upper

152 100

151 18.4 15.0 22.6

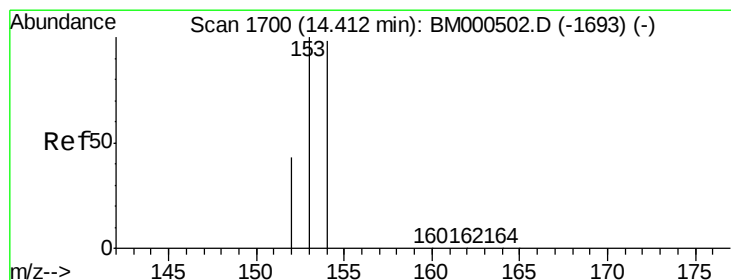
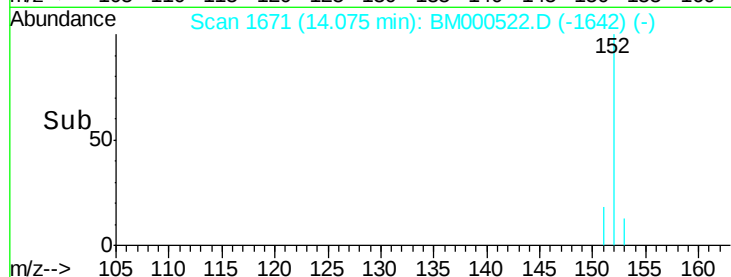
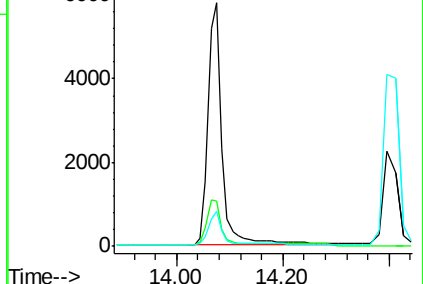
153 14.2 11.1 16.7



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: 0.41 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

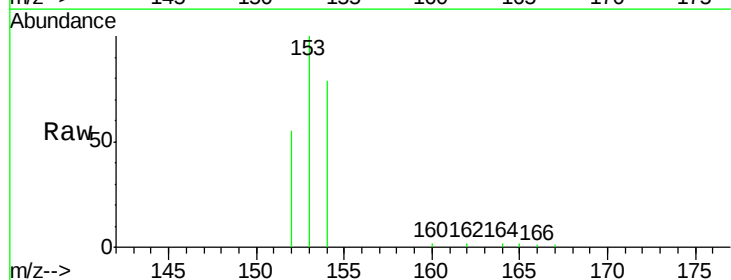
Tgt Ion:153 Resp: 8374

Ion Ratio Lower Upper

153 100

152 55.5 35.1 52.7#

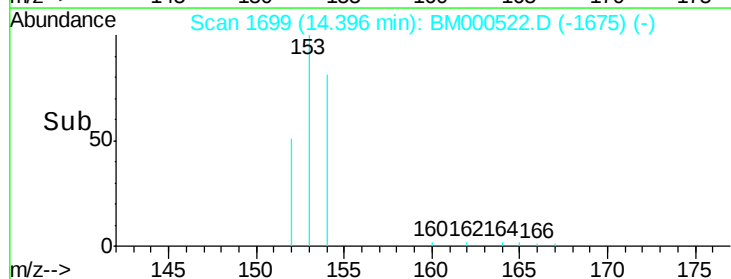
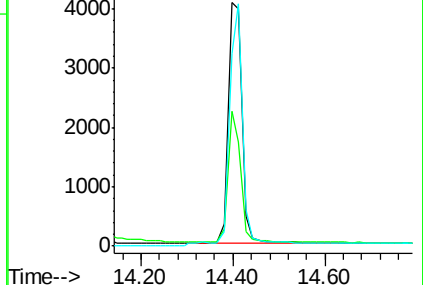
154 79.1 78.5 117.7

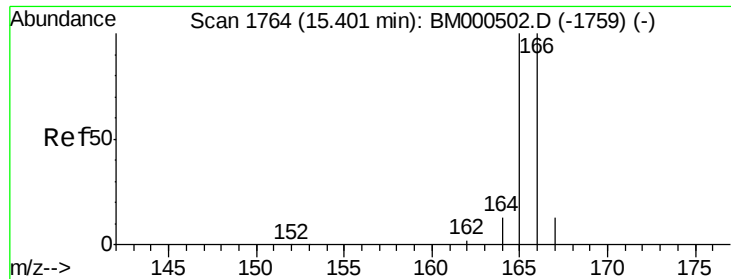


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

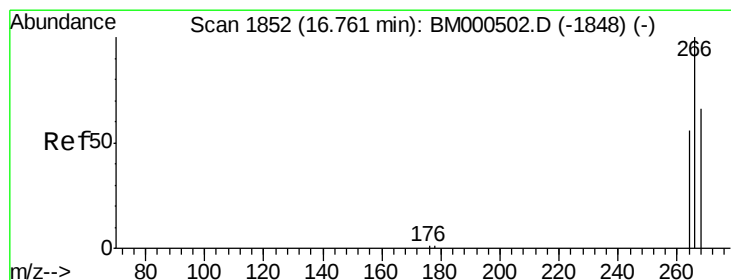
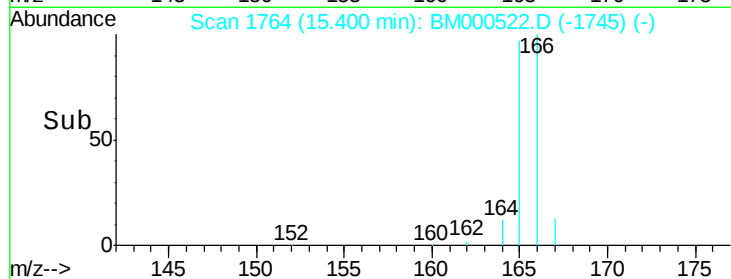
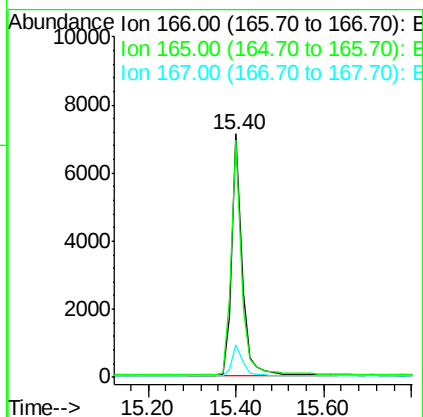
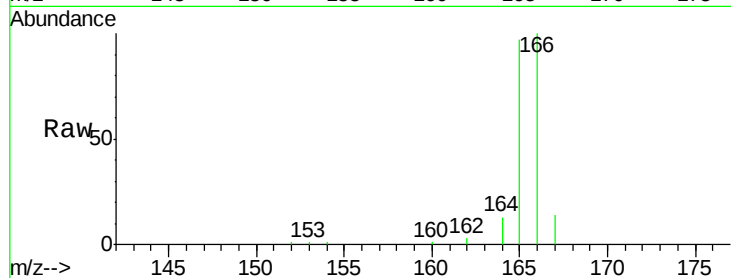




#9
Fluorene
 Concen: 0.47 ng/ul
 RT: 15.40 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BM000522.D
 Acq: 13 Feb 2015 17:30

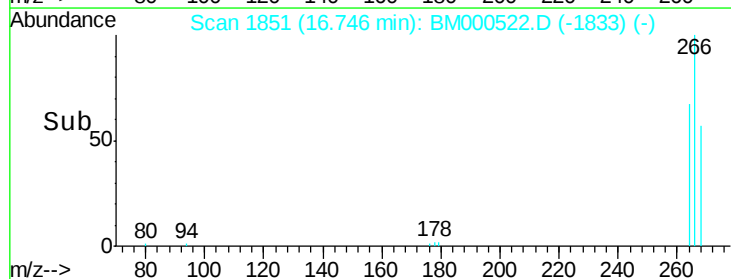
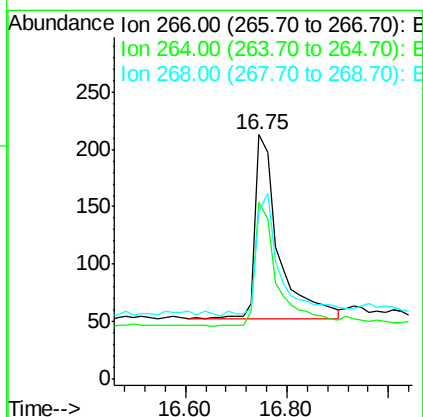
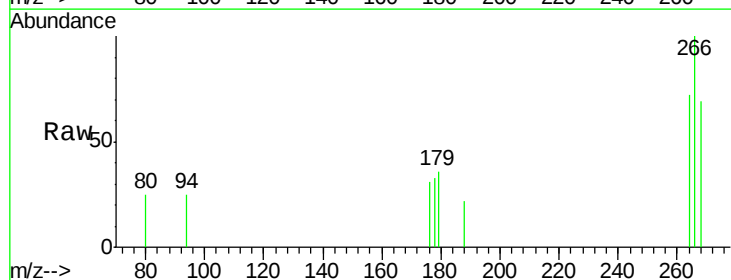
Instrument :
 BNA_M
 ClientSampleId :
 A4FMODEL

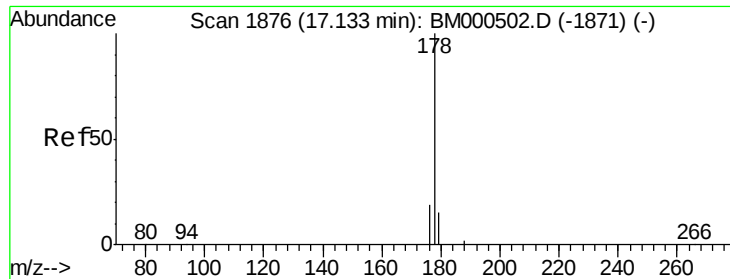
Tgt Ion:166 Resp: 11741
 Ion Ratio Lower Upper
 166 100
 165 97.5 80.0 120.0
 167 13.6 11.4 17.2



#11
Pentachlorophenol
 Concen: 0.28 ng/ul
 RT: 16.75 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BM000522.D
 Acq: 13 Feb 2015 17:30

Tgt Ion:266 Resp: 509
 Ion Ratio Lower Upper
 266 100
 264 64.8 51.4 77.2
 268 71.1 48.7 73.1





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.13 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

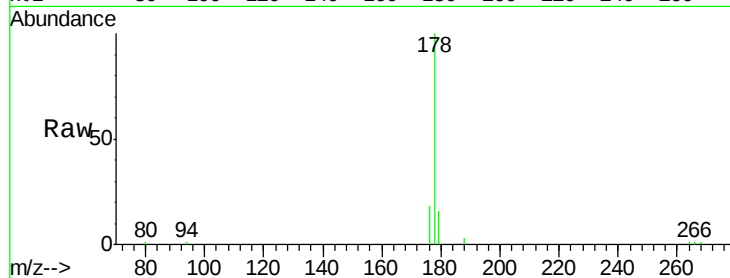
Tgt Ion:178 Resp: 15435

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

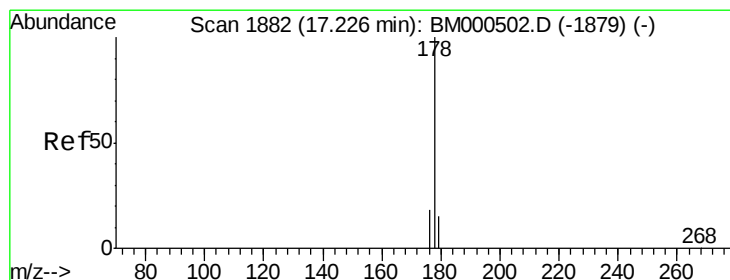
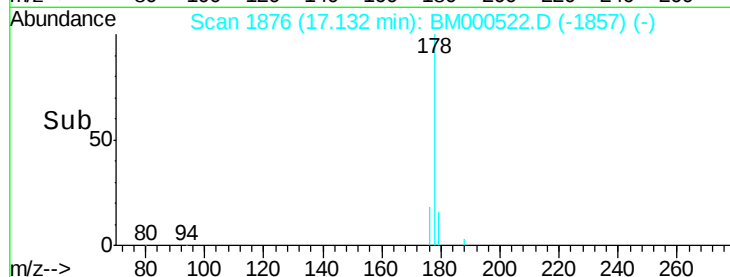
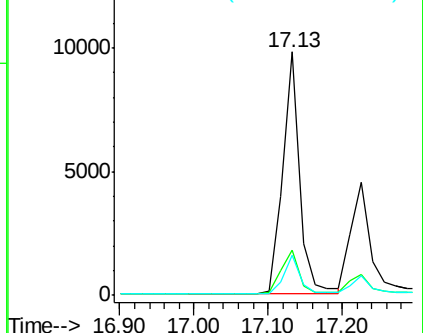
179 16.2 12.5 18.7



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: 0.25 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

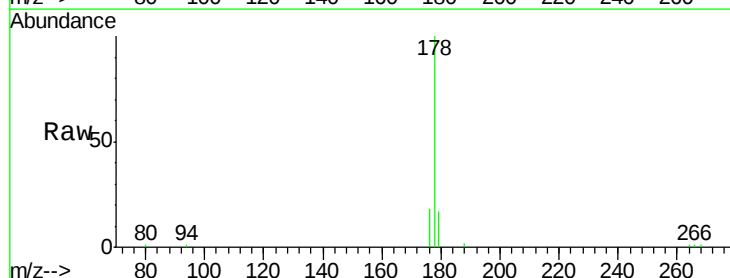
Tgt Ion:178 Resp: 8775

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

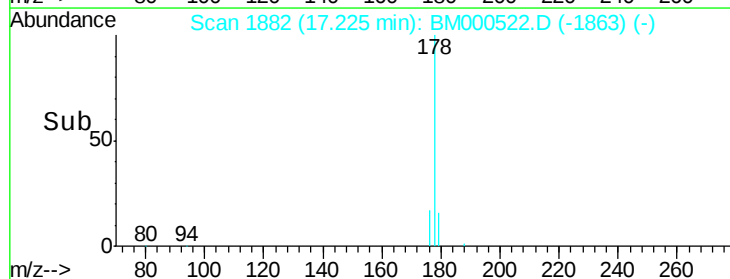
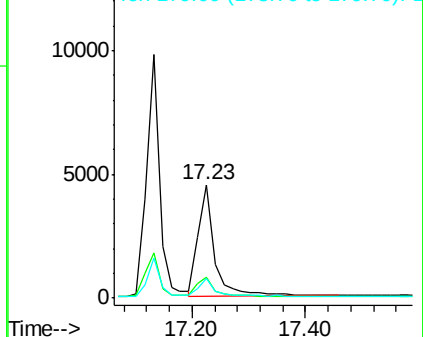
179 17.2 12.8 19.2

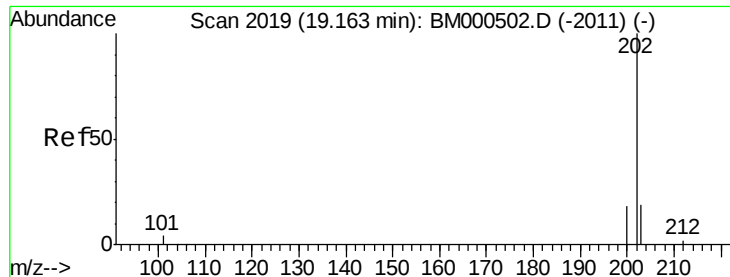


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.15 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

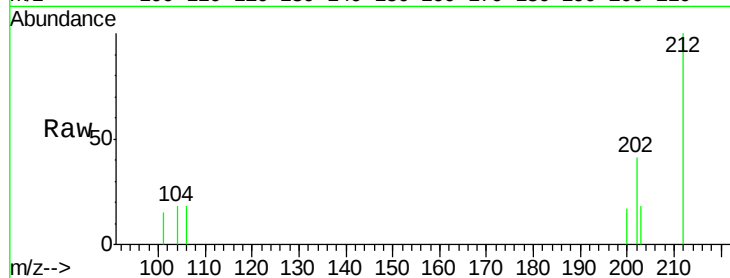
Tgt Ion:202 Resp: 263

Ion Ratio Lower Upper

202 100

101 35.6 0.0 24.8#

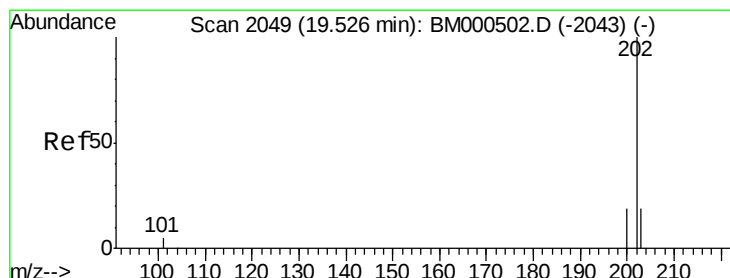
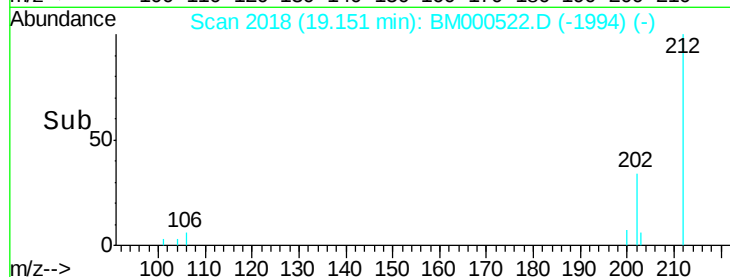
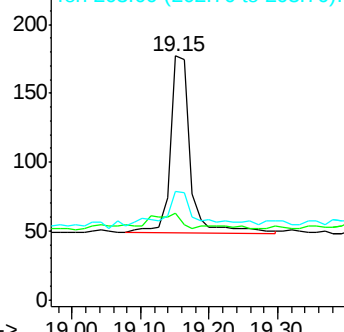
203 44.6 0.0 39.2#



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



#17

Pyrene

Concen: 0.84 ng/ul

RT: 19.51 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

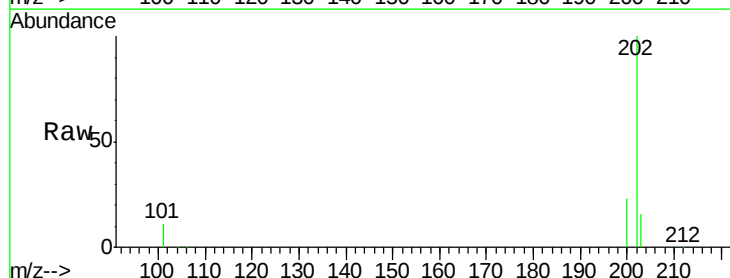
Tgt Ion:202 Resp: 37038

Ion Ratio Lower Upper

202 100

200 22.7 15.4 23.0

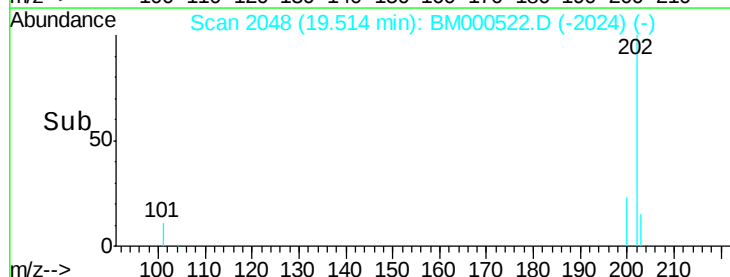
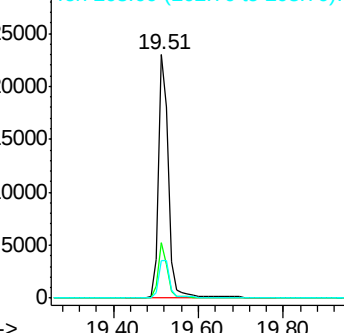
203 15.6 15.4 23.2

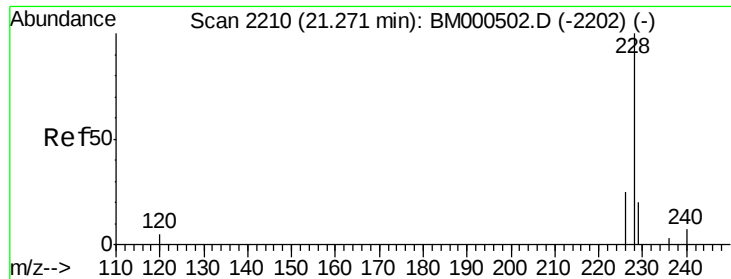


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

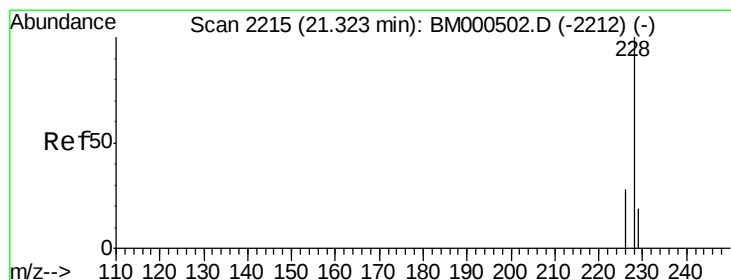
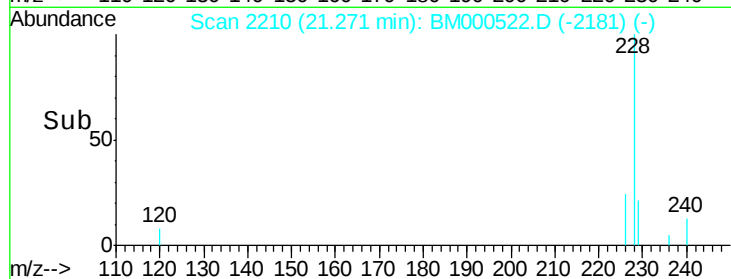
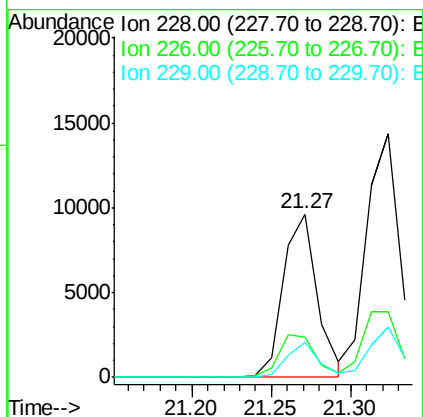
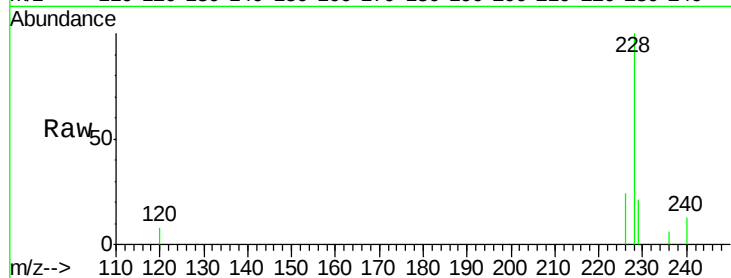
Tgt Ion:228 Resp: 14037

Ion Ratio Lower Upper

228 100

226 24.2 20.6 31.0

229 21.2 16.3 24.5



#19

Chrysene

Concen: 0.58 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

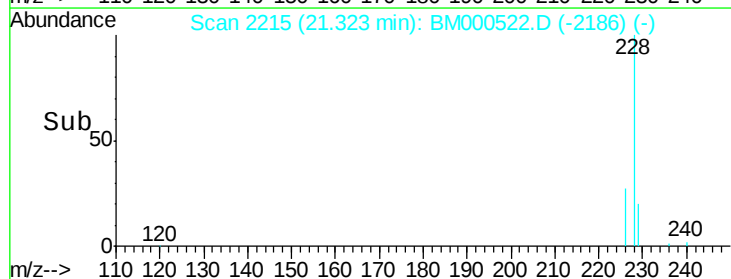
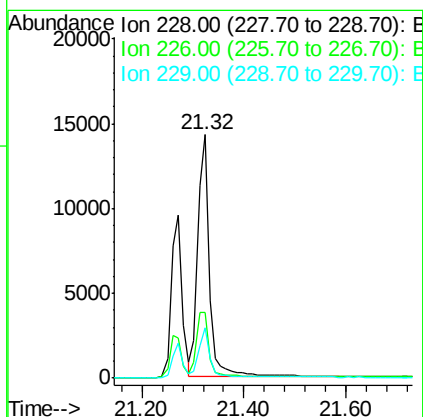
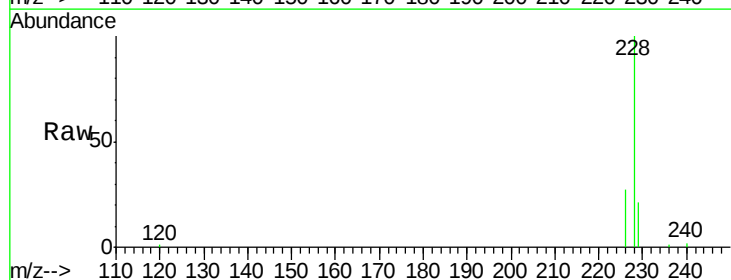
Tgt Ion:228 Resp: 22912

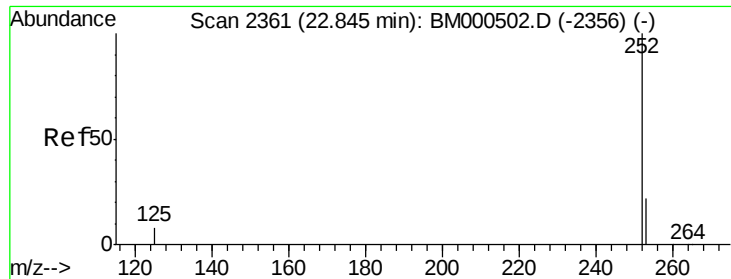
Ion Ratio Lower Upper

228 100

226 26.9 22.7 34.1

229 20.7 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 0.27 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. 0.04 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMODEL

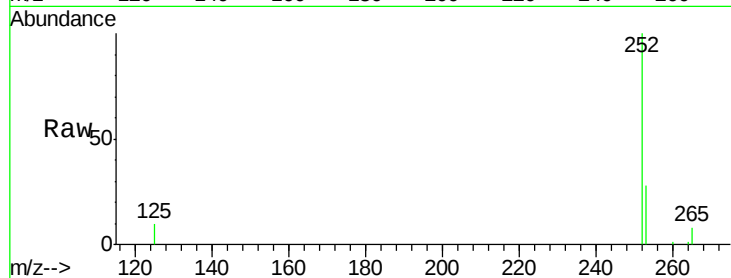
Tgt Ion:252 Resp: 9800

Ion Ratio Lower Upper

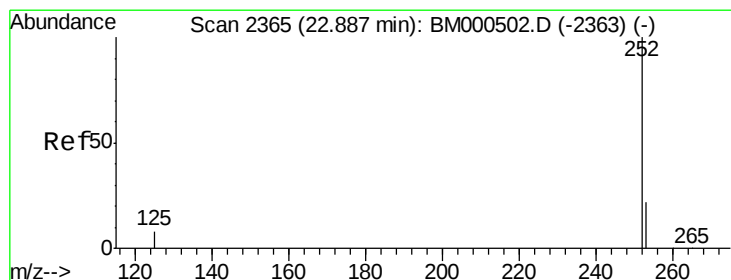
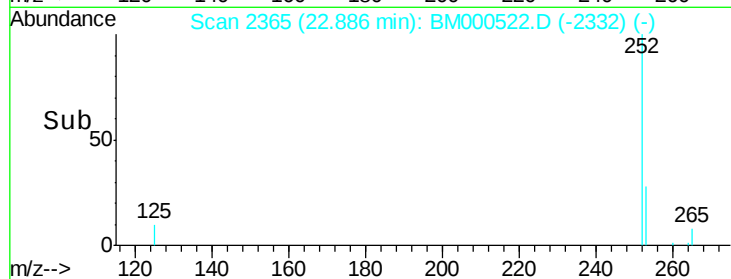
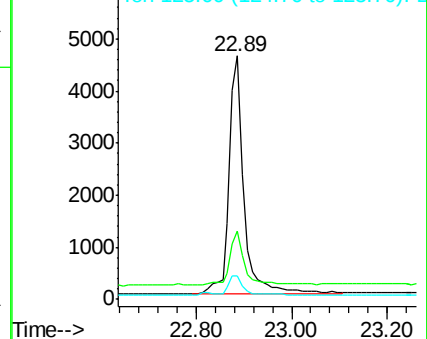
252 100

253 27.9 0.0 52.6

125 9.8 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: 0.28 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

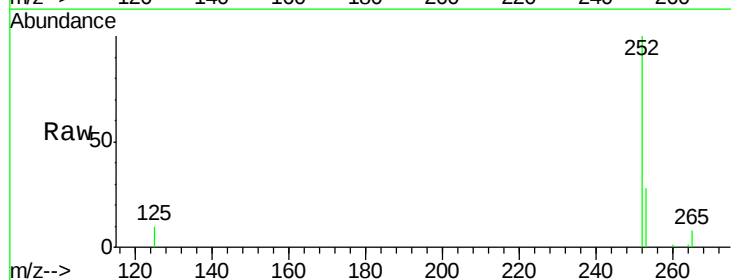
Tgt Ion:252 Resp: 9800

Ion Ratio Lower Upper

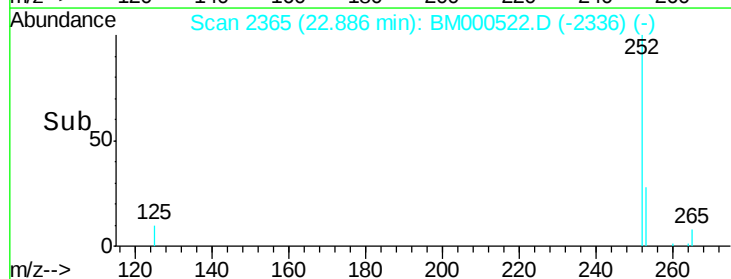
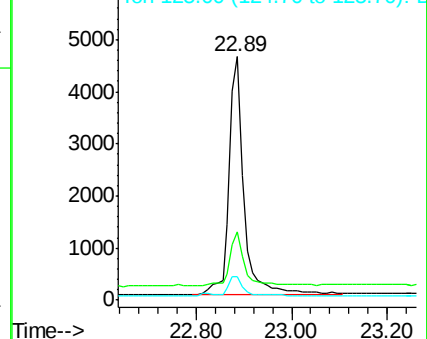
252 100

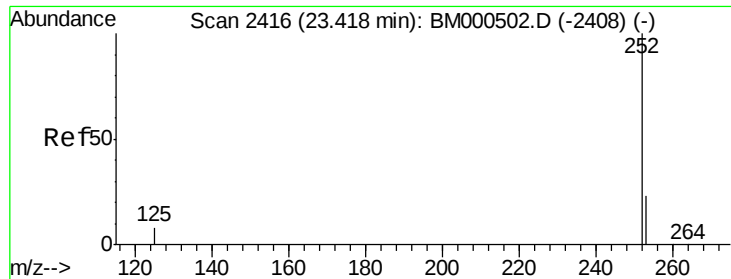
253 27.9 20.2 30.4

125 9.8 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: 0.01 ng/ul

RT: 23.42 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

Instrument :

BNA_M

ClientSampleId :

A4FMDL

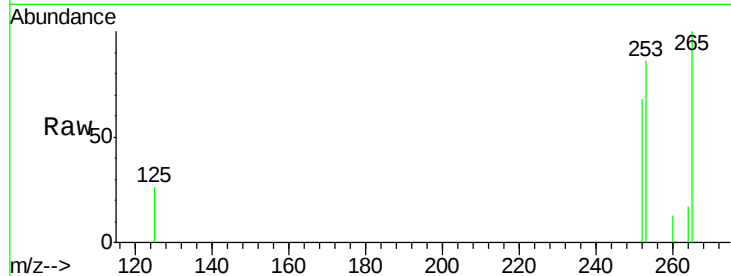
Tgt Ion:252 Resp: 311

Ion Ratio Lower Upper

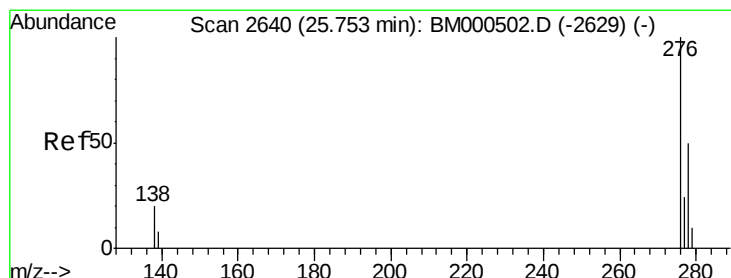
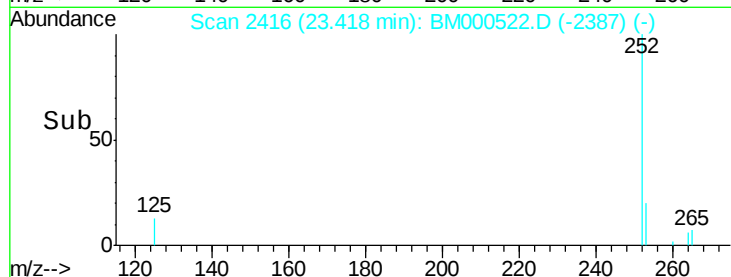
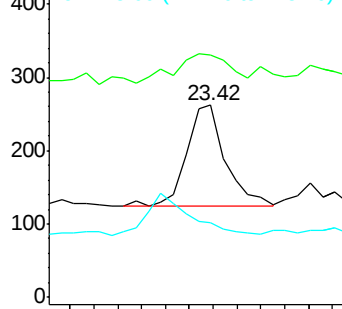
252 100

253 126.0 23.1 34.7#

125 38.5 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: 0.36 ng/ul

RT: 25.74 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BM000522.D

Acq: 13 Feb 2015 17:30

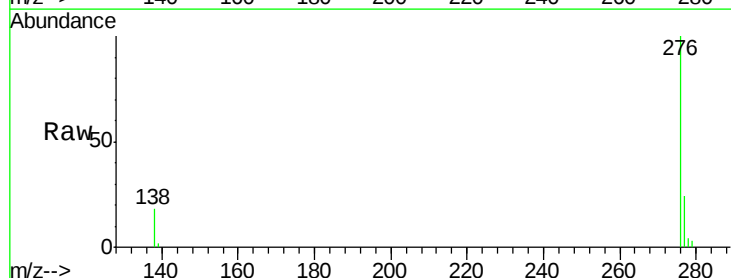
Tgt Ion:276 Resp: 13433

Ion Ratio Lower Upper

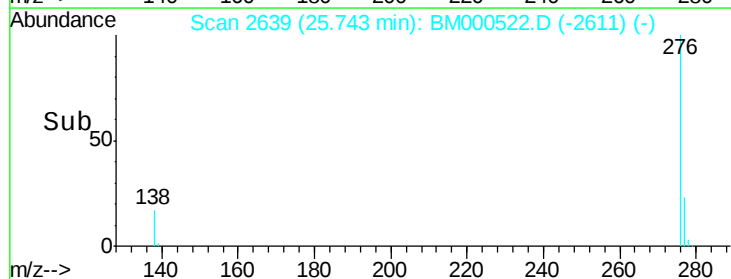
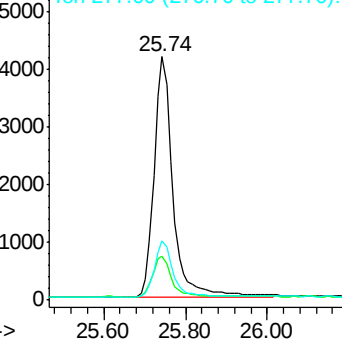
276 100

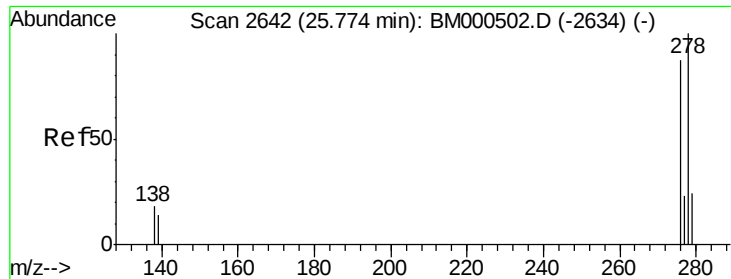
138 17.1 17.3 25.9#

277 22.6 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

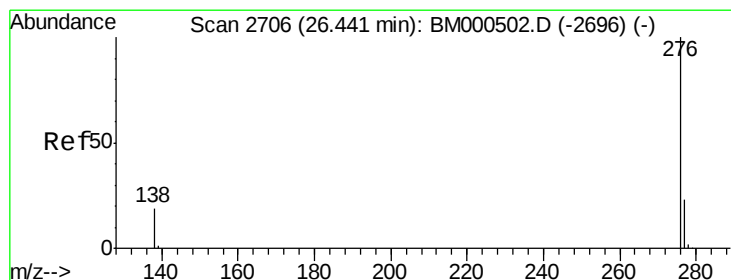
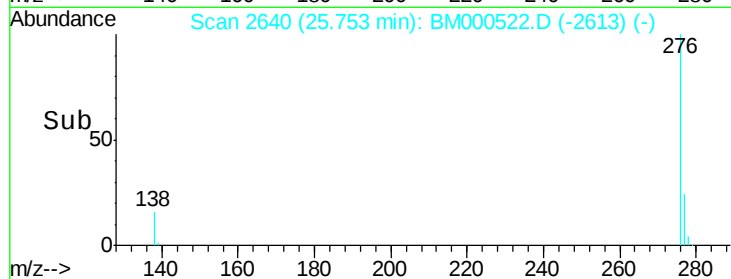
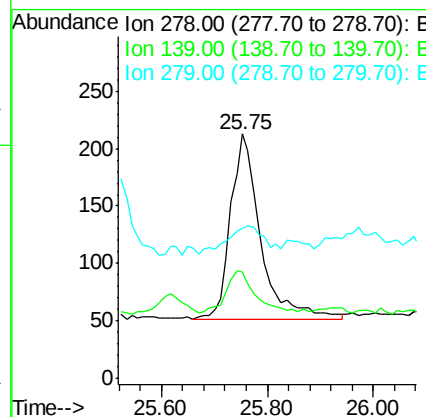
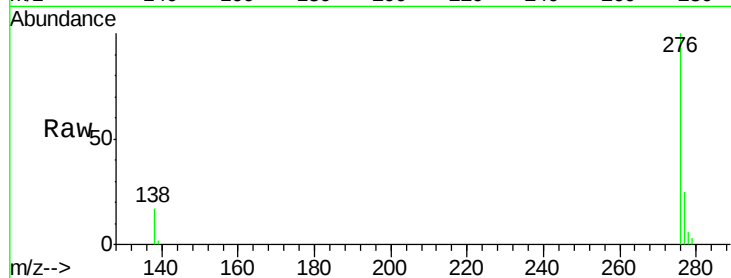




#25
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.75 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BM000522.D
Acq: 13 Feb 2015 17:30

Instrument :
BNA_M
ClientSampleId :
A4FMDL

Tgt Ion: 278 Resp: 640
Ion Ratio Lower Upper
278 100
139 43.2 12.5 18.7#
279 61.0 22.2 33.2#



#26
Benzo(g,h,i)perylene
Concen: 0.46 ng/ul
RT: 26.43 min Scan# 2705
Delta R.T. -0.01 min
Lab File: BM000522.D
Acq: 13 Feb 2015 17:30

Tgt Ion: 276 Resp: 15170
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 20.0 16.0 24.0

