

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000513.D
 Acq On : 12 Feb 2015 21:24
 Operator : TP/IZ
 Sample : G1249-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FL2

Quant Time: Feb 13 00:08:48 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	3813	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	12827	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	8023	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1294381	0.40	ng/ul	0.11
16) Chrysene-d12	21.29	240	13061	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	1001432	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	7294	0.45	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

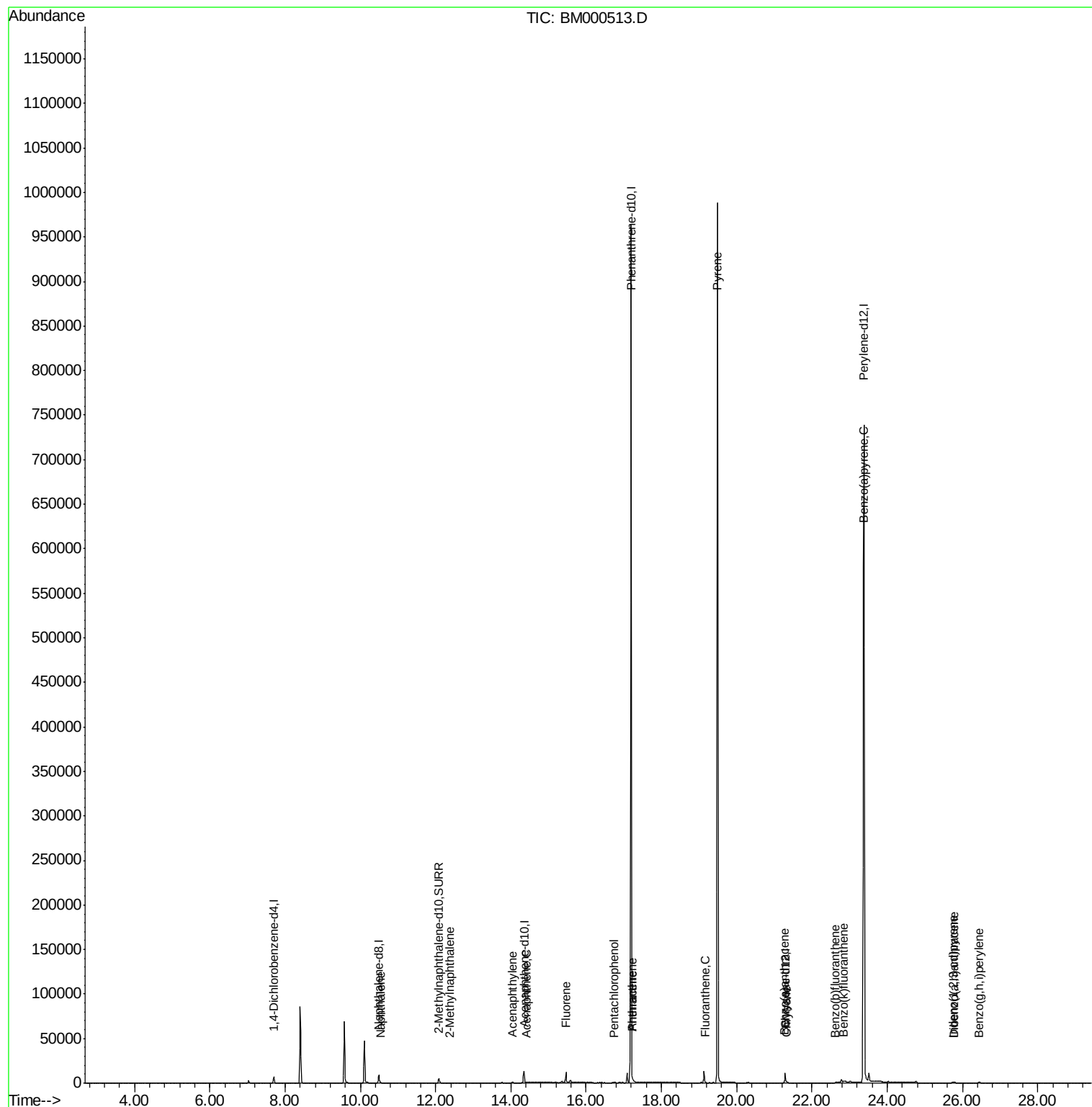
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	300	0.01	ng/ul#	24
5) 2-Methylnaphthalene	12.38	142	53	0.00	ng/ul	93
7) Acenaphthylene	14.04	152	157	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	37	0.00	ng/ul#	72
9) Fluorene	15.46	166	111	0.00	ng/ul#	1
11) Pentachlorophenol	16.75	266	25	0.00	ng/ul	97
12) Phenanthrene	17.23	178	1174	0.00	ng/ul#	69
13) Anthracene	17.23	178	1170	0.00	ng/ul#	68
15) Fluoranthene	19.15	202	678	0.00	ng/ul	70
17) Pyrene	19.49	202	2859	0.06	ng/ul#	1
18) Benzo(a)anthracene	21.27	228	1108	0.03	ng/ul#	88
19) Chrysene	21.32	228	1142	0.03	ng/ul#	86
21) Benzo(b)fluoranthene	22.62	252	371	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	1254	0.00	ng/ul#	19
23) Benzo(a)pyrene	23.37	252	5367	0.00	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.75	276	1013	0.00	ng/ul	99
25) Dibenzo(a,h)anthracene	25.77	278	760	0.00	ng/ul#	31
26) Benzo(g,h,i)perylene	26.44	276	859	0.00	ng/ul#	64

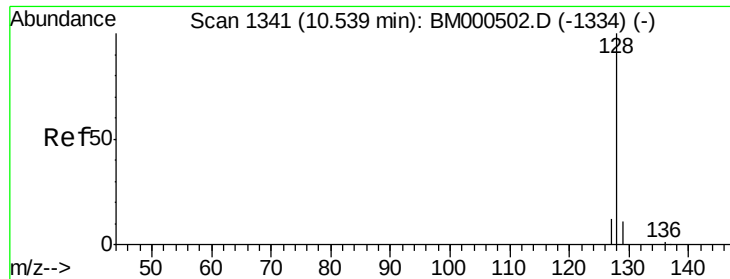
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

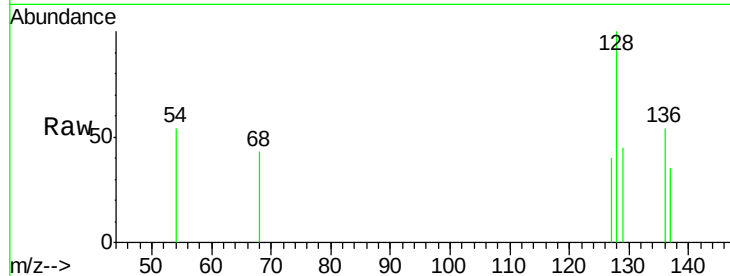
Tgt Ion:128 Resp: 300

Ion Ratio Lower Upper

128 100

129 45.1 9.5 14.3#

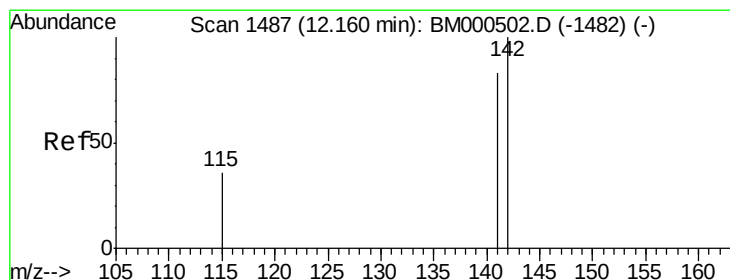
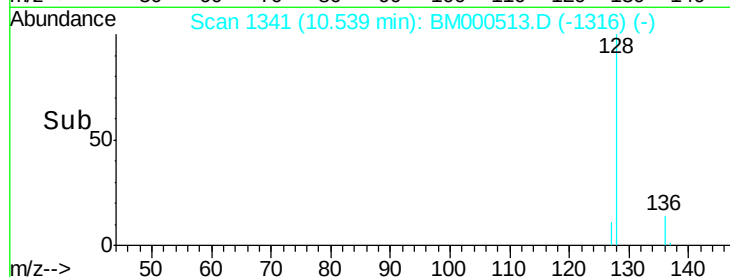
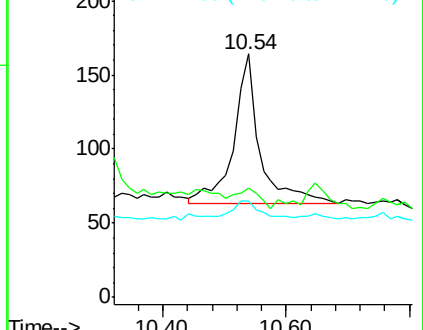
127 39.6 10.4 15.6#



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



#5

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.38 min Scan# 1508

Delta R.T. 0.22 min

Lab File: BM000513.D

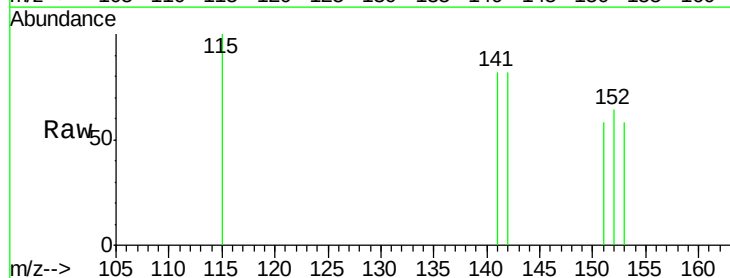
Acq: 12 Feb 2015 21:24

Tgt Ion:142 Resp: 53

Ion Ratio Lower Upper

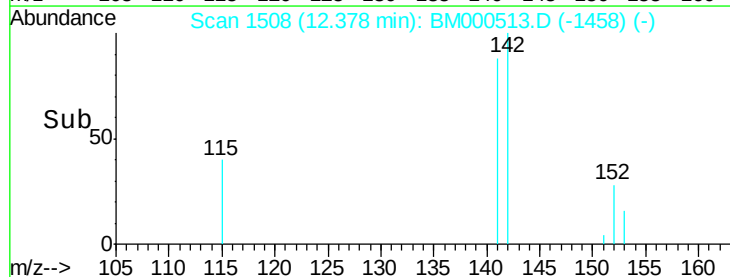
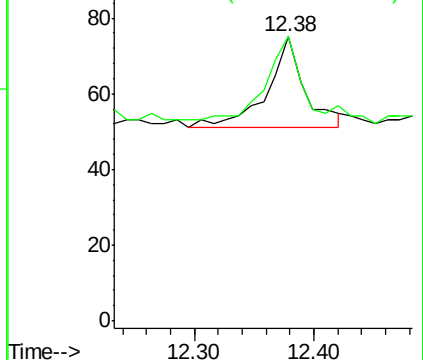
142 100

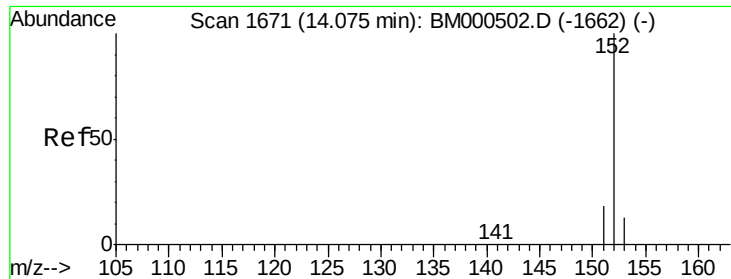
141 81.1 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 1668

Delta R.T. -0.03 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

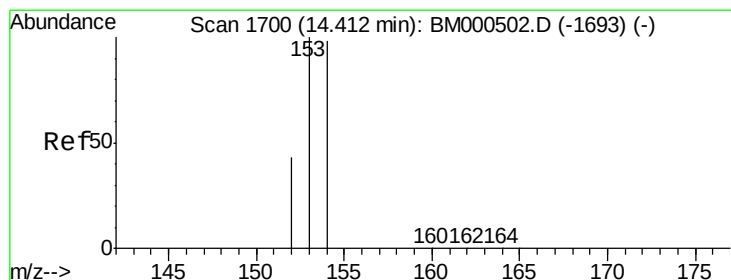
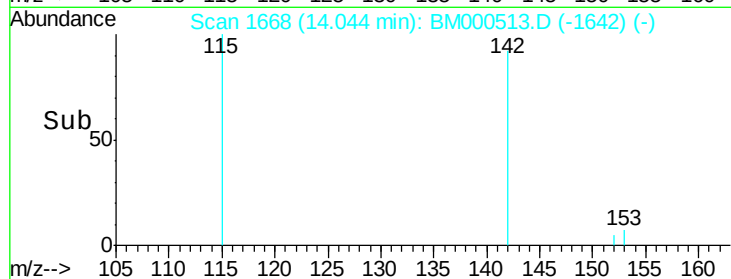
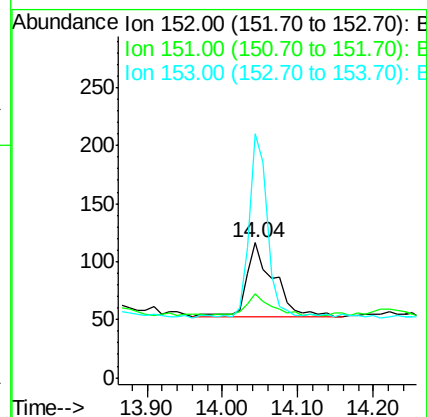
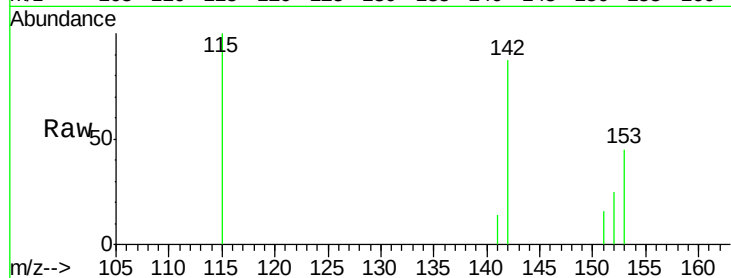
Tgt Ion:152 Resp: 157

Ion Ratio Lower Upper

152 100

151 62.1 15.0 22.6#

153 181.0 11.1 16.7#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

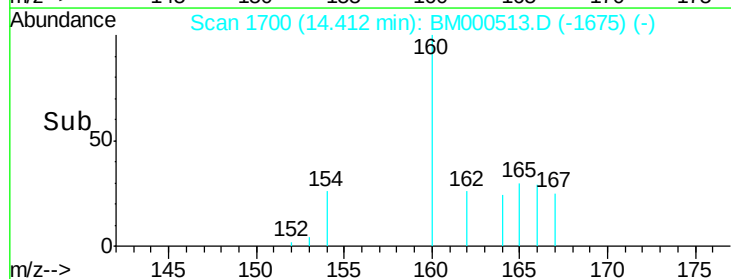
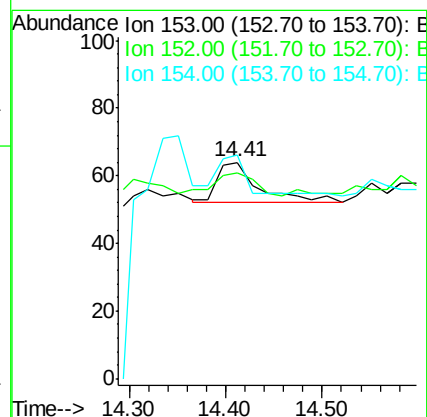
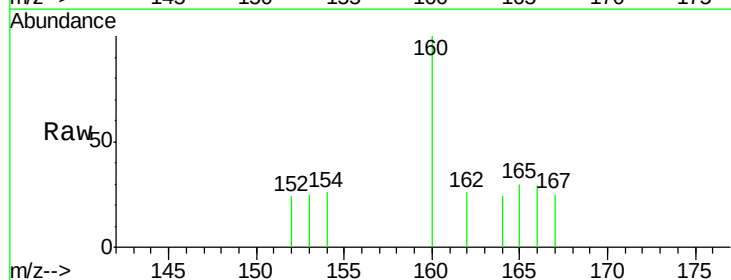
Tgt Ion:153 Resp: 37

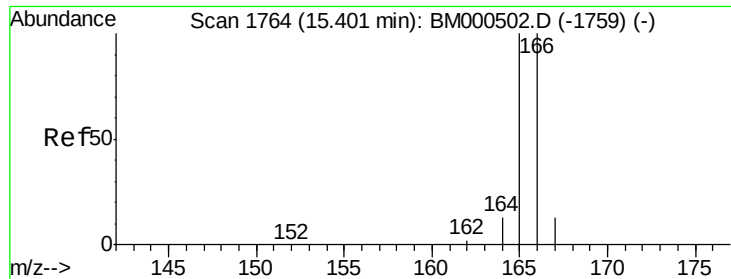
Ion Ratio Lower Upper

153 100

152 95.3 35.1 52.7#

154 103.1 78.5 117.7

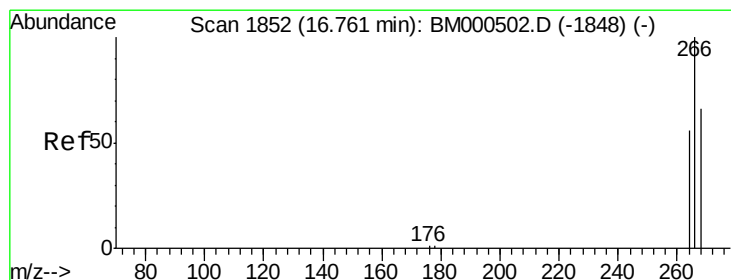
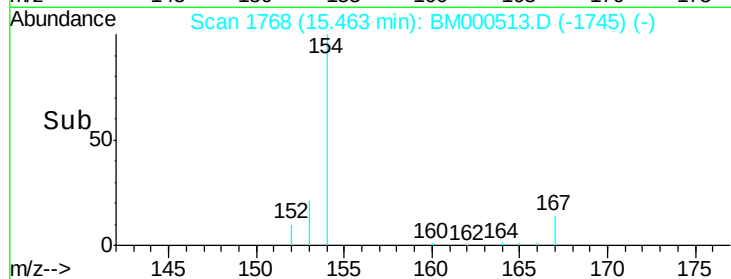
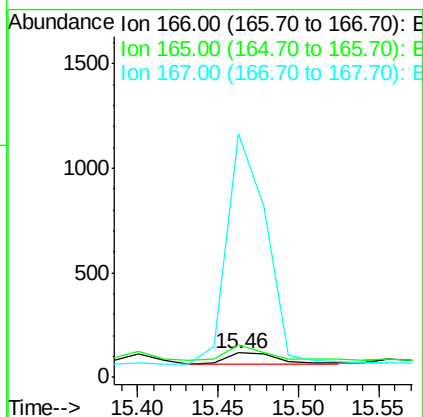
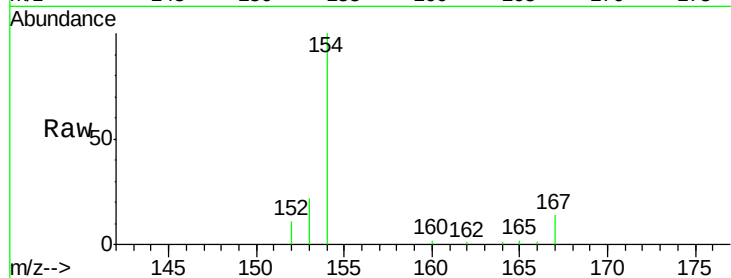




#9
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.46 min Scan# 1768
 Delta R.T. 0.06 min
 Lab File: BM000513.D
 Acq: 12 Feb 2015 21:24

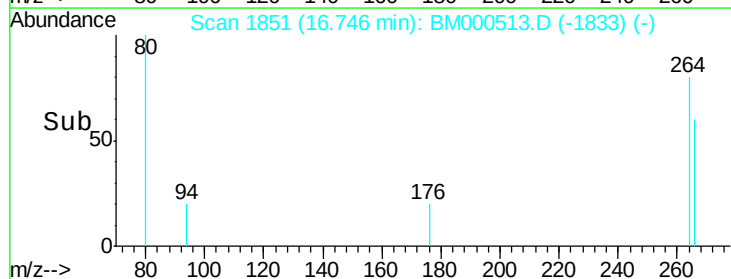
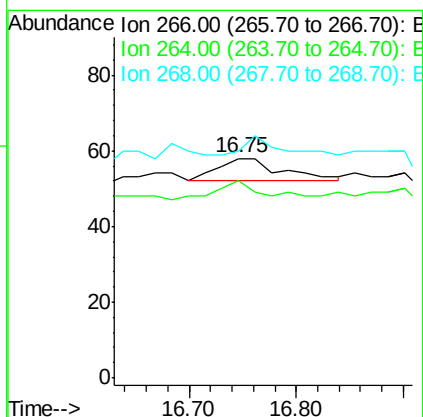
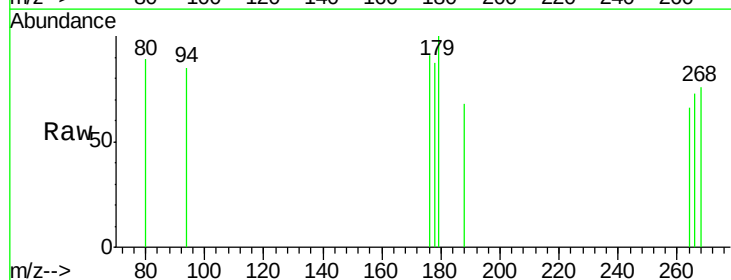
Instrument :
 BNA_M
 ClientSampleId :
 A4FL2

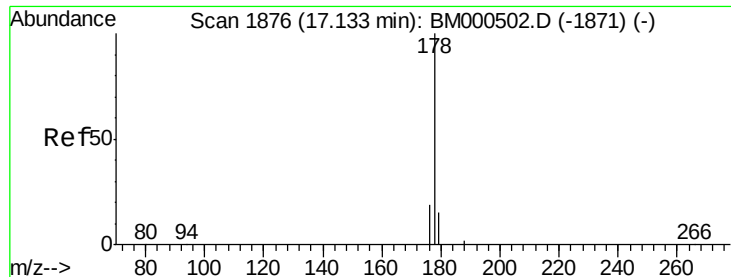
Tgt Ion:166 Resp: 111
 Ion Ratio Lower Upper
 166 100
 165 129.7 80.0 120.0#
 167 986.4 11.4 17.2#



#11
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.75 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BM000513.D
 Acq: 12 Feb 2015 21:24

Tgt Ion:266 Resp: 25
 Ion Ratio Lower Upper
 266 100
 264 64.0 51.4 77.2
 268 56.0 48.7 73.1





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. 0.09 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

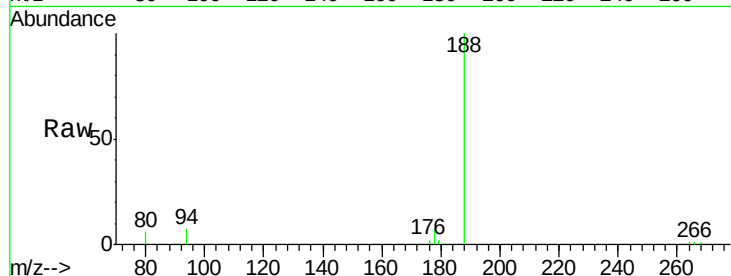
Tgt Ion:178 Resp: 1174

Ion Ratio Lower Upper

178 100

176 29.9 15.5 23.3#

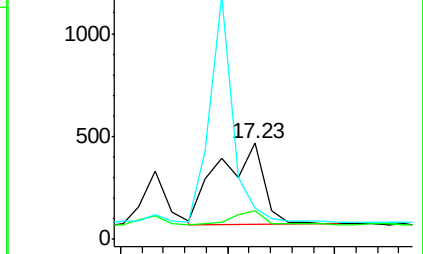
179 32.7 12.5 18.7#



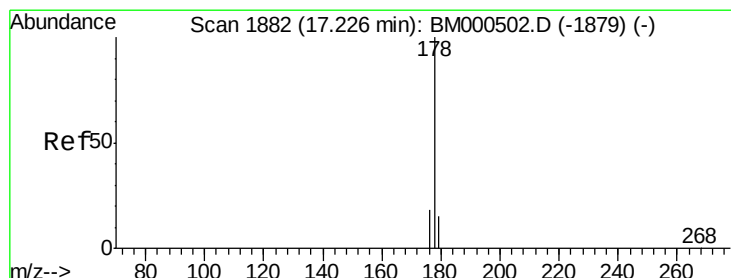
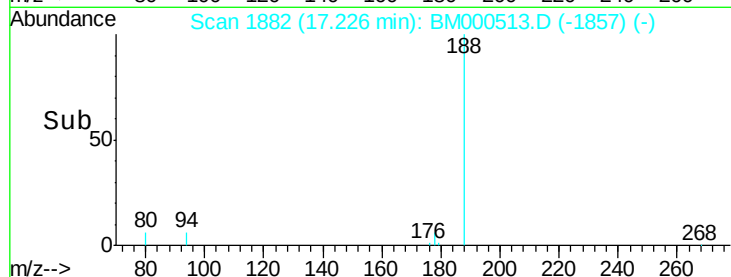
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

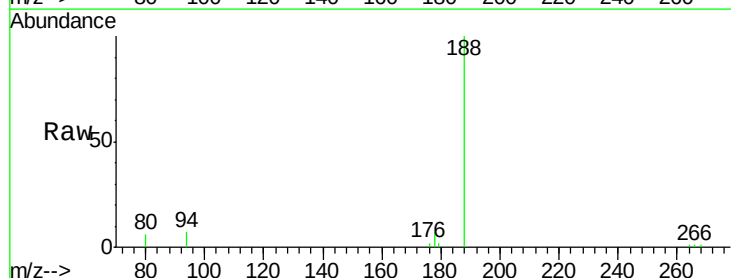
Tgt Ion:178 Resp: 1170

Ion Ratio Lower Upper

178 100

176 29.9 14.9 22.3#

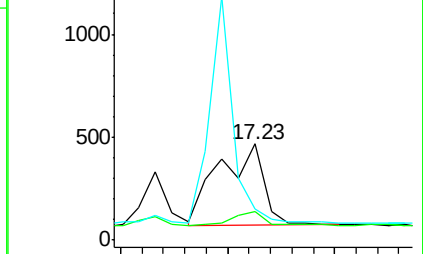
179 32.7 12.8 19.2#



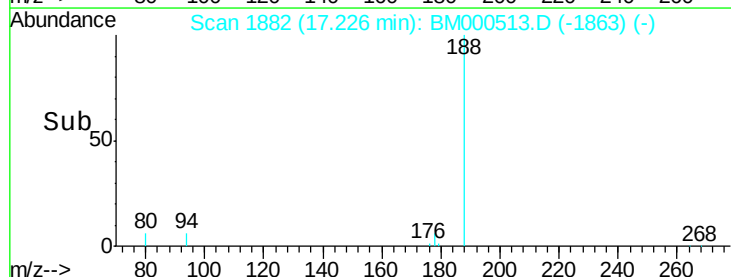
Abundance Ion 178.00 (177.70 to 178.70): E

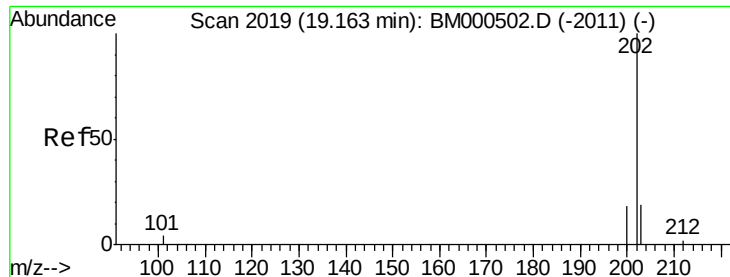
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.15 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

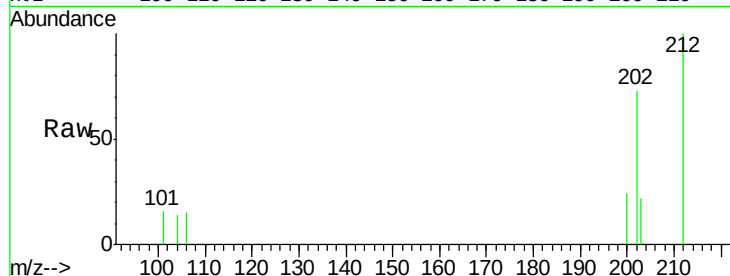
Tgt Ion:202 Resp: 678

Ion Ratio Lower Upper

202 100

101 21.5 0.0 24.8

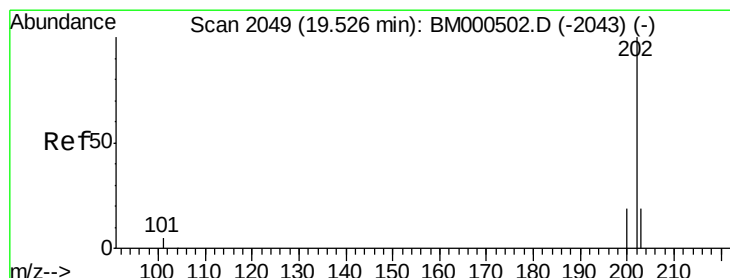
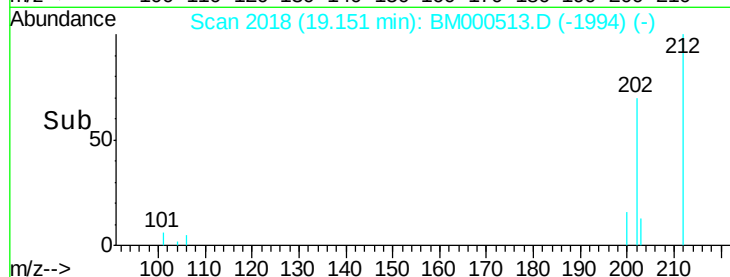
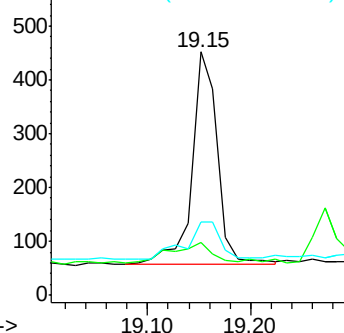
203 30.3 0.0 39.2



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: 0.06 ng/ul

RT: 19.49 min Scan# 2046

Delta R.T. -0.04 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

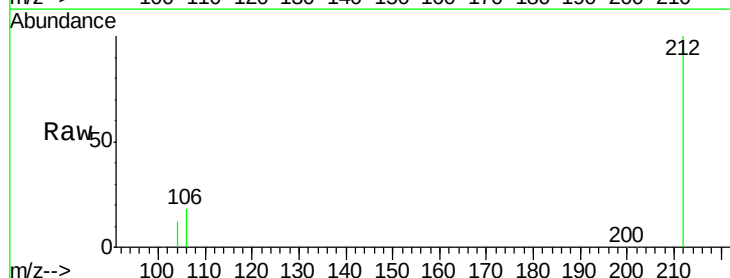
Tgt Ion:202 Resp: 2859

Ion Ratio Lower Upper

202 100

200 7.1 15.4 23.0#

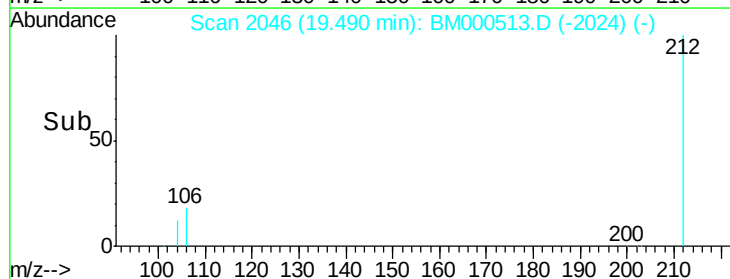
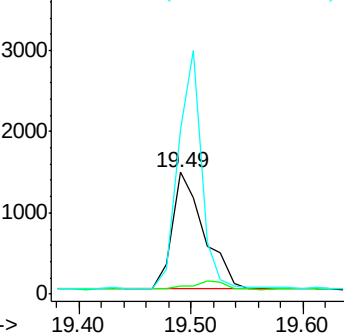
203 135.3 15.4 23.2#

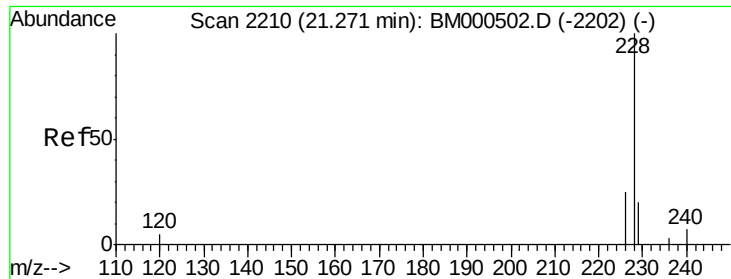


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

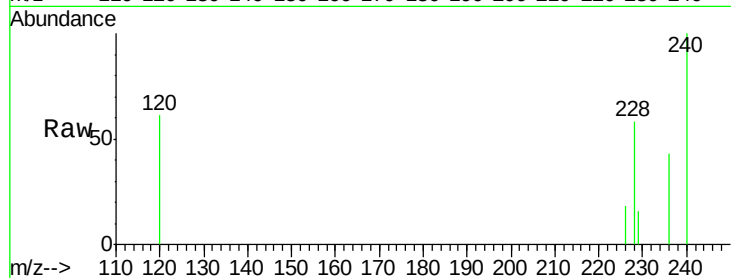
Tgt Ion:228 Resp: 1108

Ion Ratio Lower Upper

228 100

226 30.6 20.6 31.0

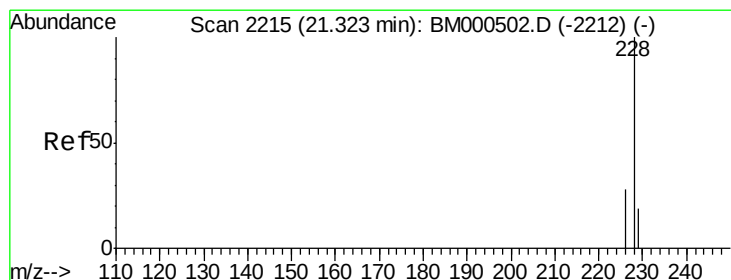
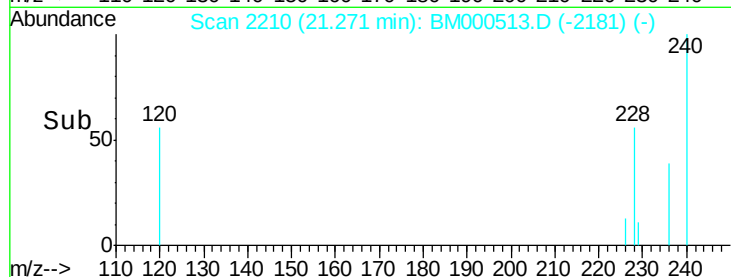
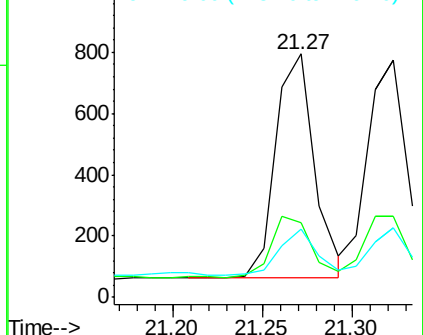
229 27.9 16.3 24.5#



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: 0.03 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

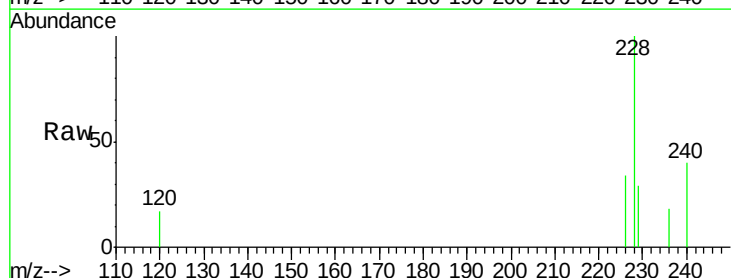
Tgt Ion:228 Resp: 1142

Ion Ratio Lower Upper

228 100

226 34.1 22.7 34.1#

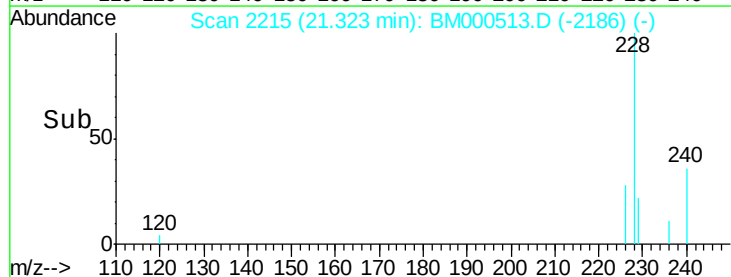
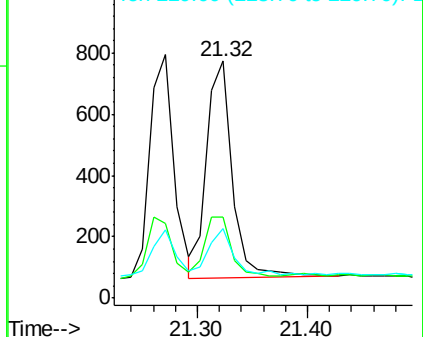
229 29.1 16.0 24.0#

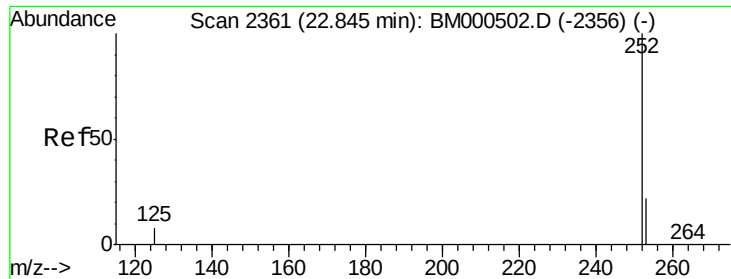


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.62 min Scan# 2339

Delta R.T. -0.23 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

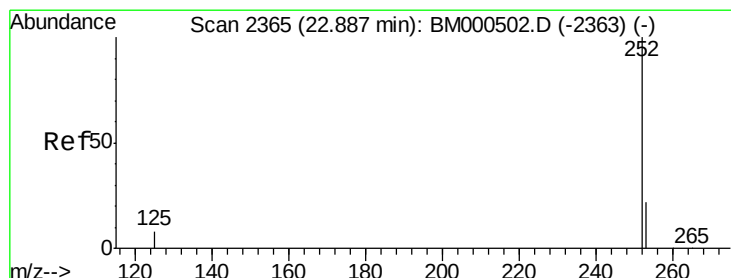
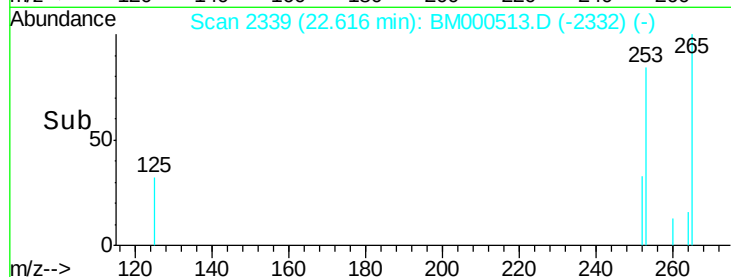
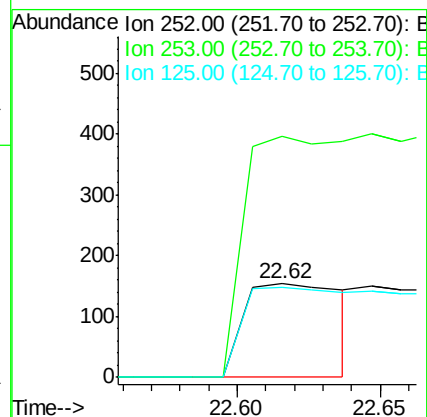
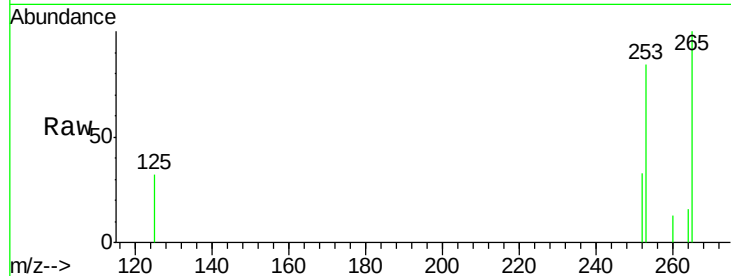
Tgt Ion:252 Resp: 371

Ion Ratio Lower Upper

252 100

253 257.1 0.0 52.6#

125 96.1 0.0 17.6#



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.83 min Scan# 2360

Delta R.T. -0.05 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

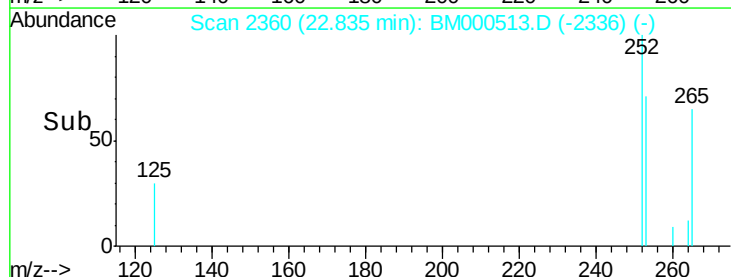
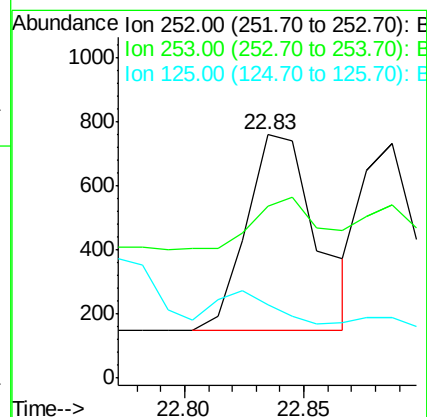
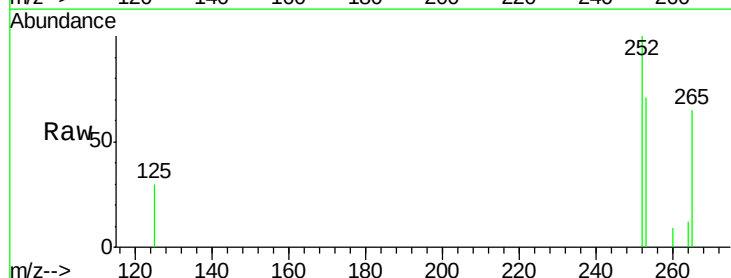
Tgt Ion:252 Resp: 1254

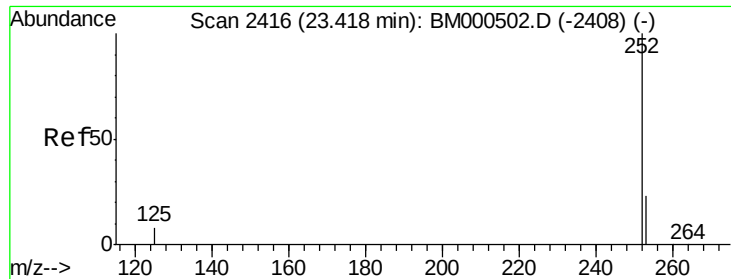
Ion Ratio Lower Upper

252 100

253 70.7 20.2 30.4#

125 30.0 7.4 11.0#





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 2411

Delta R.T. -0.05 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

Instrument :

BNA_M

ClientSampleId :

A4FL2

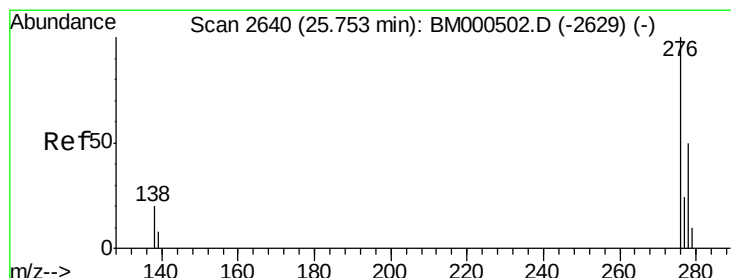
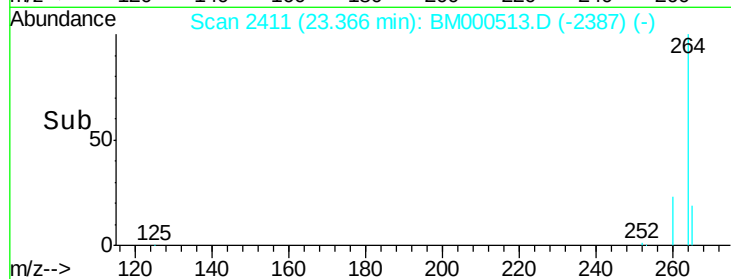
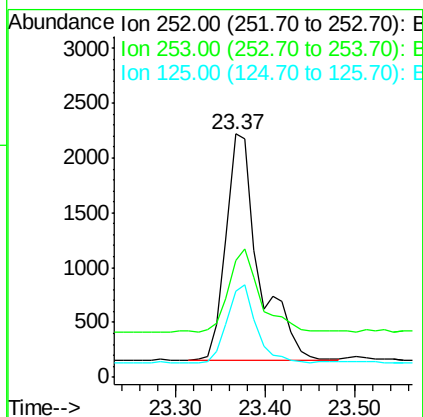
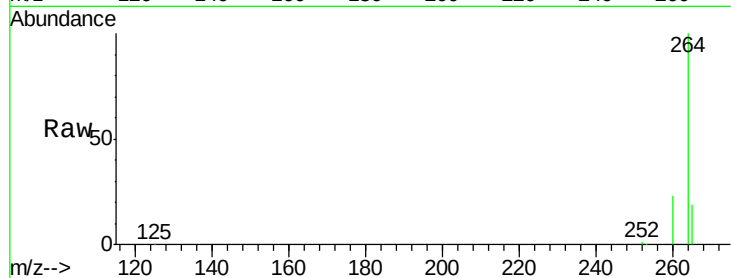
Tgt Ion:252 Resp: 5367

Ion Ratio Lower Upper

252 100

253 47.7 23.1 34.7#

125 35.5 8.0 12.0#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.75 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BM000513.D

Acq: 12 Feb 2015 21:24

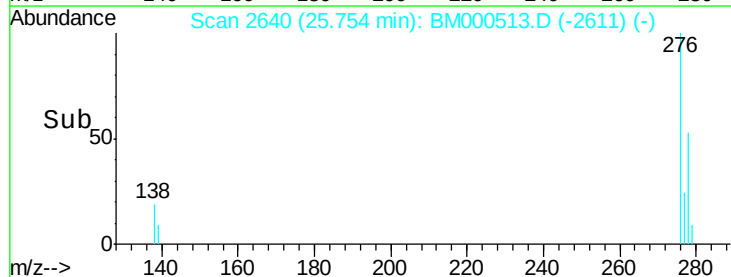
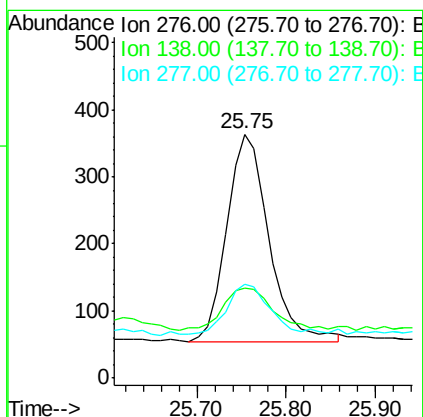
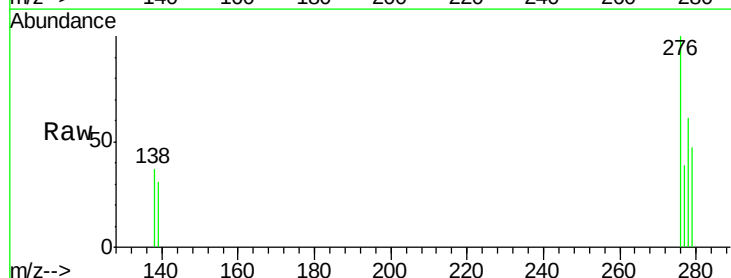
Tgt Ion:276 Resp: 1013

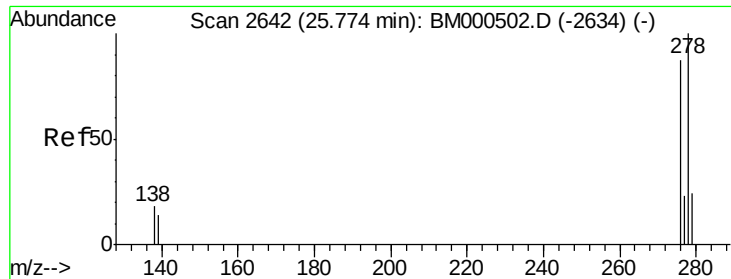
Ion Ratio Lower Upper

276 100

138 23.0 17.3 25.9

277 24.8 19.8 29.8



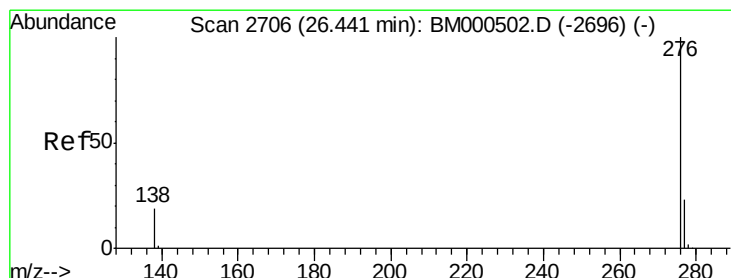
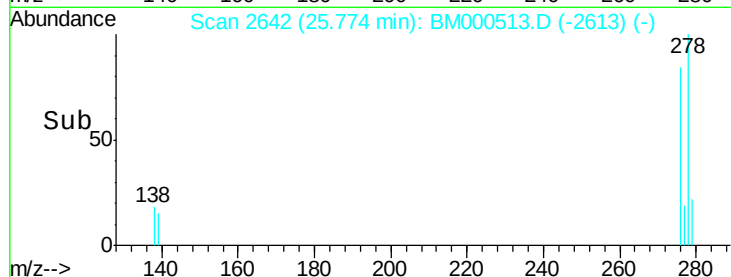
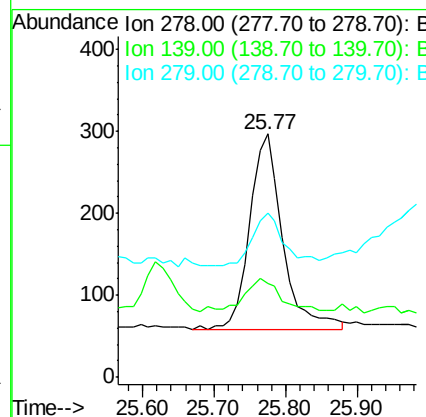
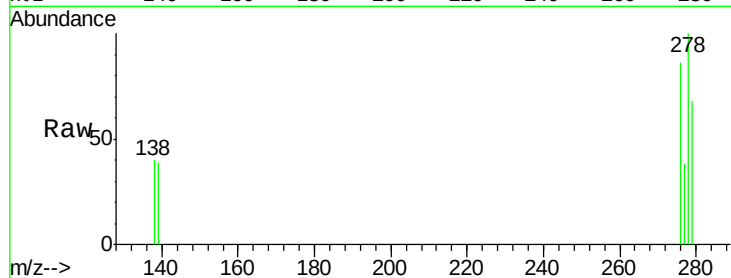


#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.77 min Scan# 2642
Delta R.T. 0.00 min
Lab File: BM000513.D
Acq: 12 Feb 2015 21:24

Instrument :
BNA_M
ClientSampleId :
A4FL2

Tgt Ion: 278 Resp: 760

Ion	Ratio	Lower	Upper
278	100		
139	38.7	12.5	18.7#
279	67.7	22.2	33.2#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.44 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BM000513.D
Acq: 12 Feb 2015 21:24

Tgt Ion: 276 Resp: 859

Ion	Ratio	Lower	Upper
276	100		
277	40.2	19.2	28.8#
138	38.6	16.0	24.0#

