

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Quant Time: Feb 13 00:06:36 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	3781	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	12692	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	7323	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1158725	0.40	ng/ul	0.11
16) Chrysene-d12	21.29	240	12441	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	852528	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	6629	0.41	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

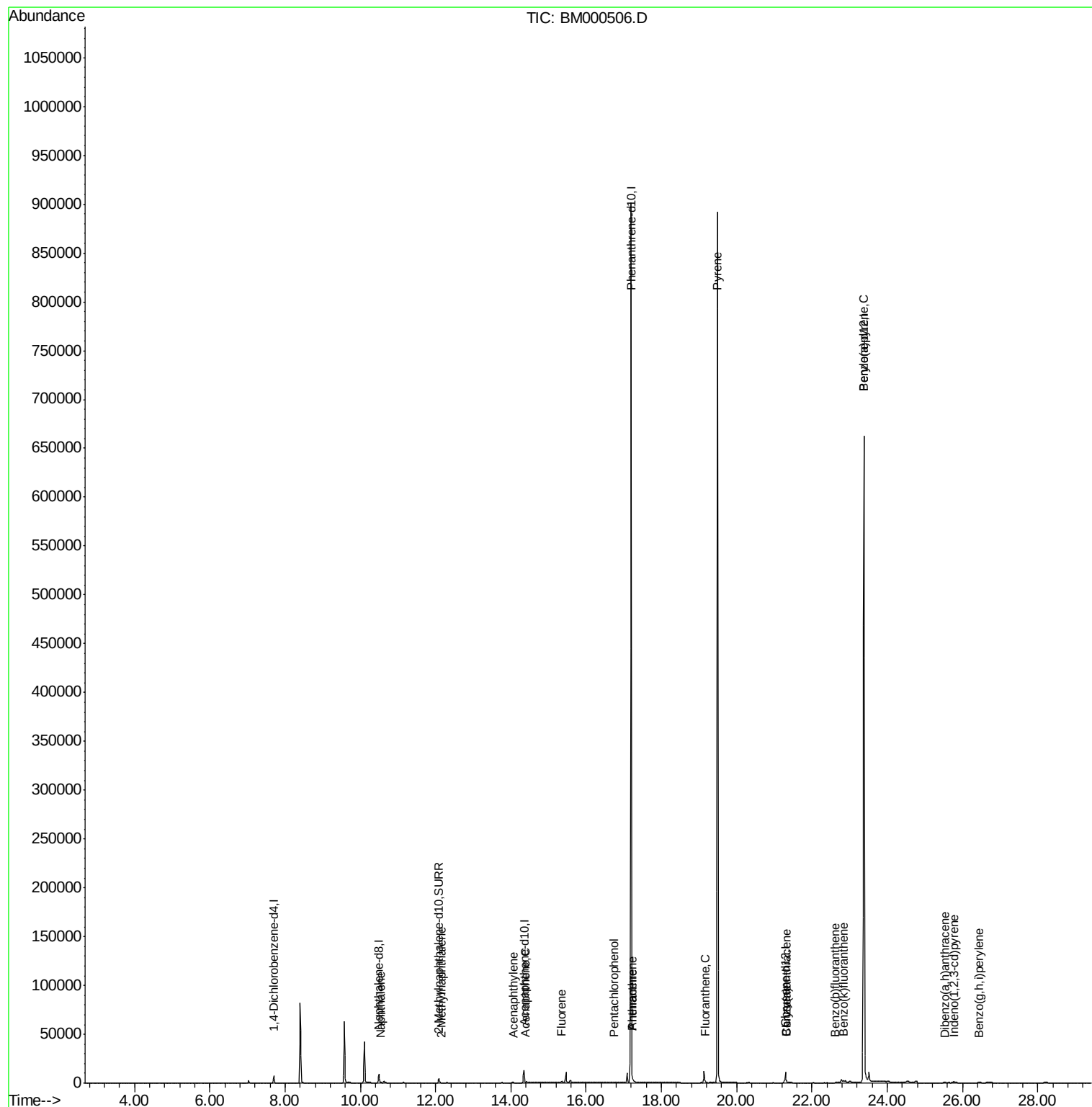
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	399	0.01	ng/ul#	35
5) 2-Methylnaphthalene	12.16	142	70	0.00	ng/ul	96
7) Acenaphthylene	14.08	152	409	0.01	ng/ul#	58
8) Acenaphthene	14.40	153	96	0.00	ng/ul#	73
9) Fluorene	15.34	166	2302	0.09	ng/ul#	17
11) Pentachlorophenol	16.75	266	797	0.01	ng/ul	95
12) Phenanthrene	17.23	178	2024	0.00	ng/ul#	87
13) Anthracene	17.23	178	2018	0.00	ng/ul#	86
15) Fluoranthene	19.15	202	1828	0.00	ng/ul	90
17) Pyrene	19.49	202	3839	0.09	ng/ul#	1
18) Benzo(a)anthracene	21.32	228	2121	0.06	ng/ul	91
19) Chrysene	21.32	228	2121	0.05	ng/ul#	94
21) Benzo(b)fluoranthene	22.63	252	552	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	2240	0.00	ng/ul#	53
23) Benzo(a)pyrene	23.38	252	4112	0.00	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.76	276	1429	0.00	ng/ul	99
25) Dibenzo(a,h)anthracene	25.52	278	43	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	1250	0.00	ng/ul#	75

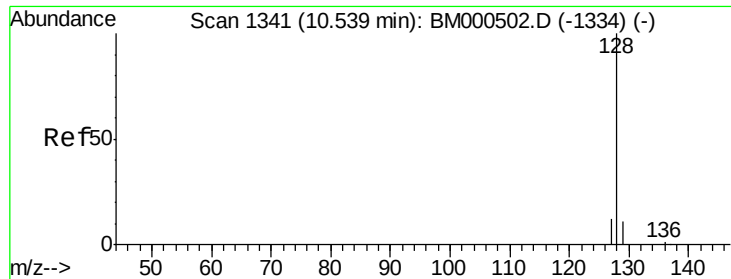
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

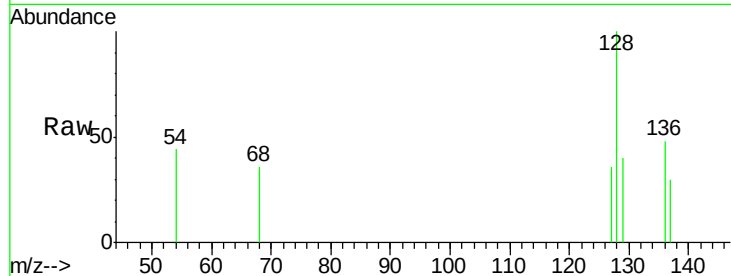
Tgt Ion:128 Resp: 399

Ion Ratio Lower Upper

128 100

129 39.7 9.5 14.3#

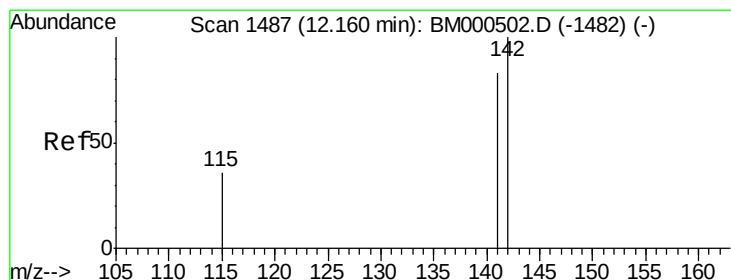
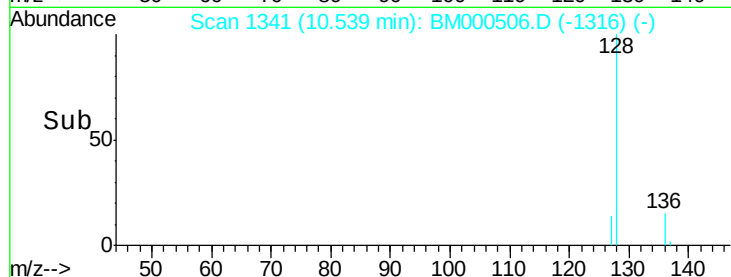
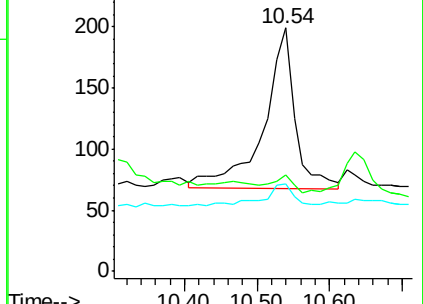
127 36.2 10.4 15.6#



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: 0.00 ng/ul

RT: 12.16 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM000506.D

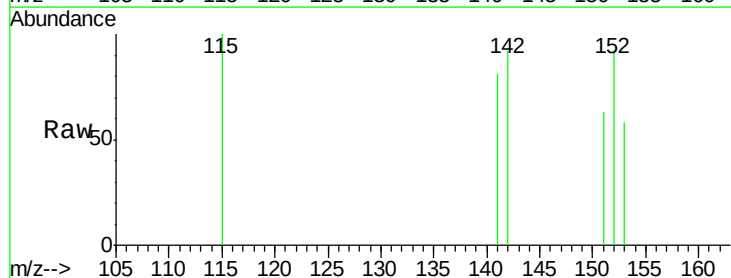
Acq: 12 Feb 2015 17:15

Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

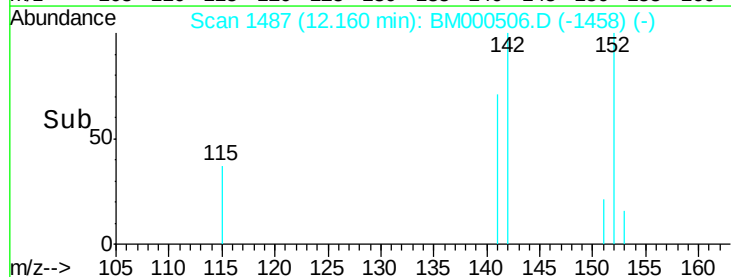
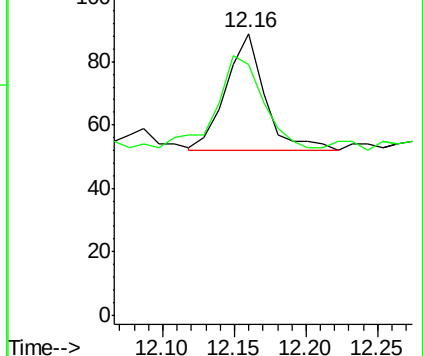
142 100

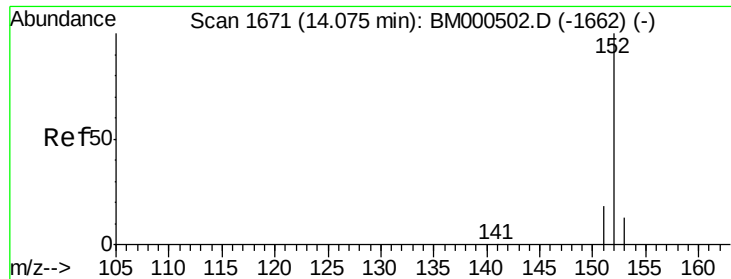
141 91.4 69.9 104.9



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: 14.08 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

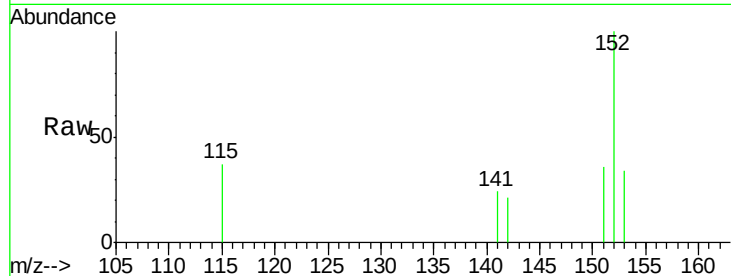
Tgt Ion:152 Resp: 409

Ion Ratio Lower Upper

152 100

151 35.5 15.0 22.6#

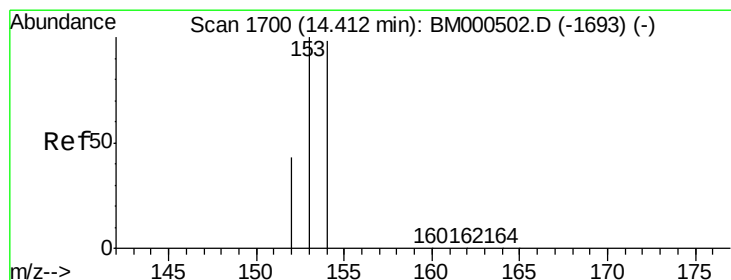
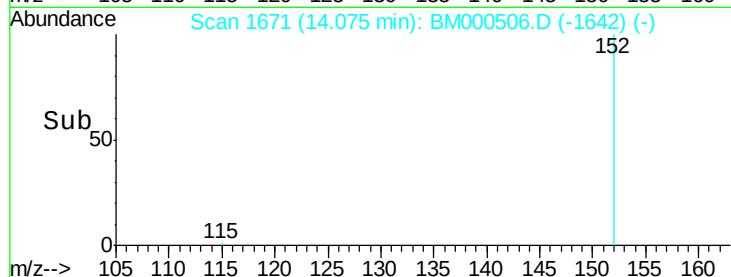
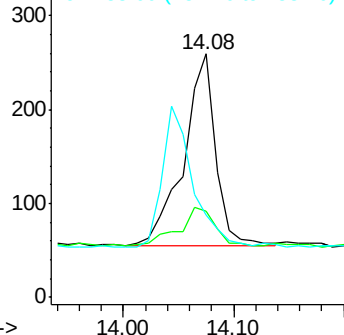
153 33.6 11.1 16.7#



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: 0.00 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

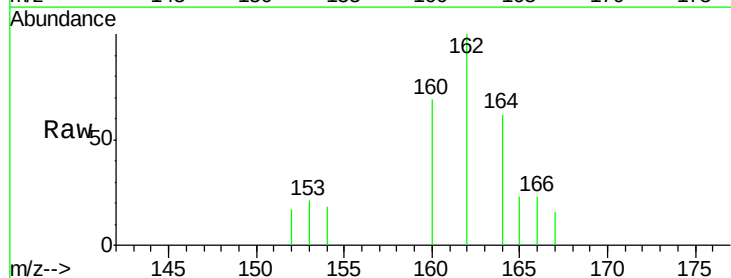
Tgt Ion:153 Resp: 96

Ion Ratio Lower Upper

153 100

152 80.7 35.1 52.7#

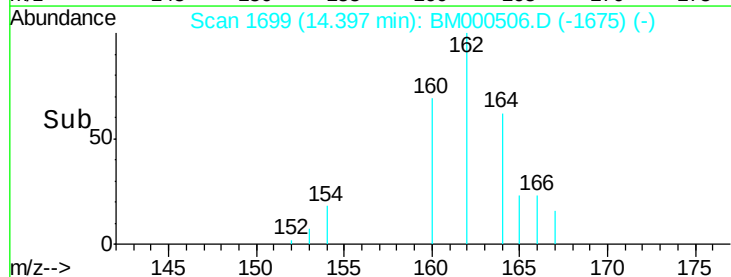
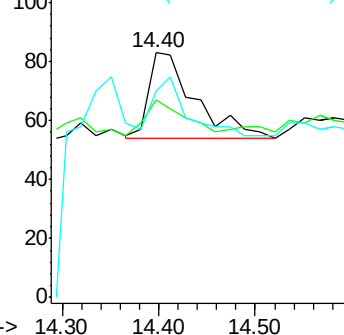
154 84.3 78.5 117.7

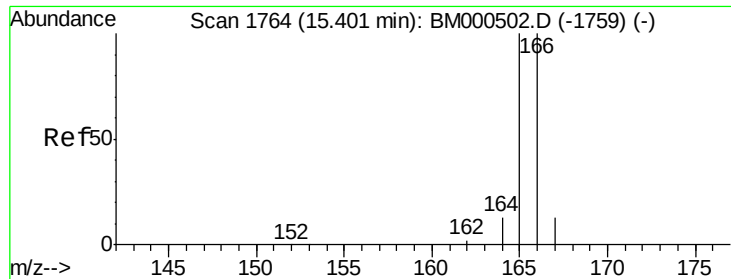


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

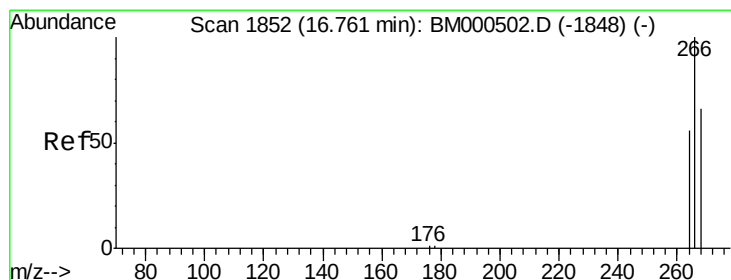
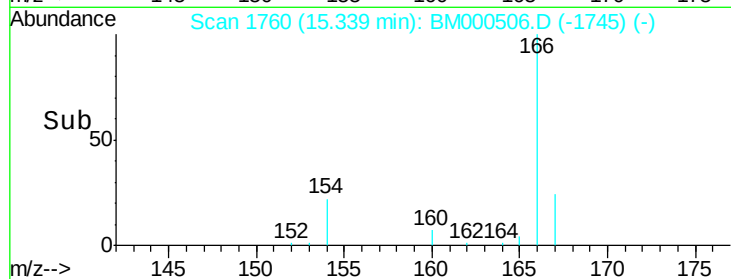
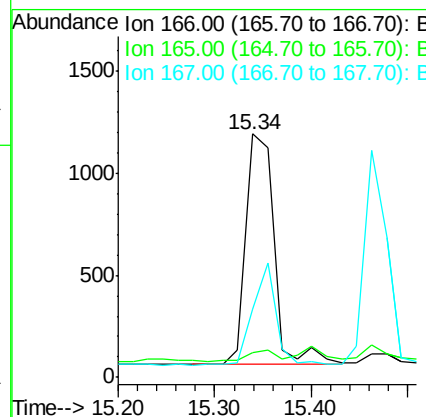
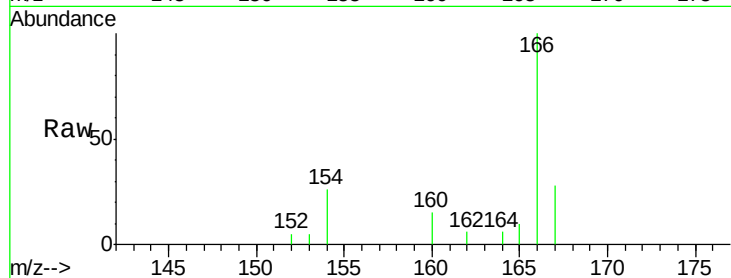




#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.34 min Scan# 1760
 Delta R.T. -0.06 min
 Lab File: BM000506.D
 Acq: 12 Feb 2015 17:15

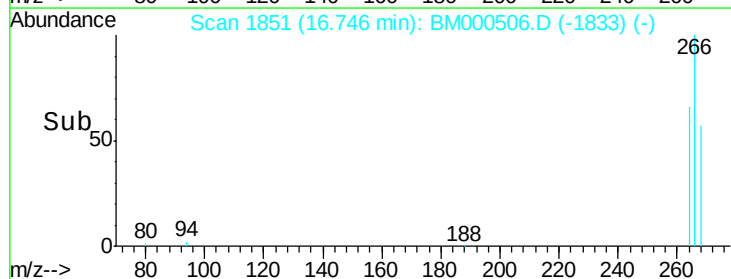
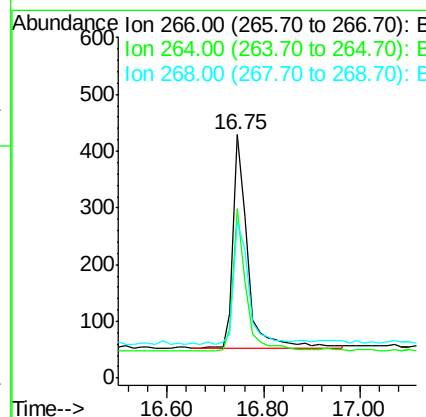
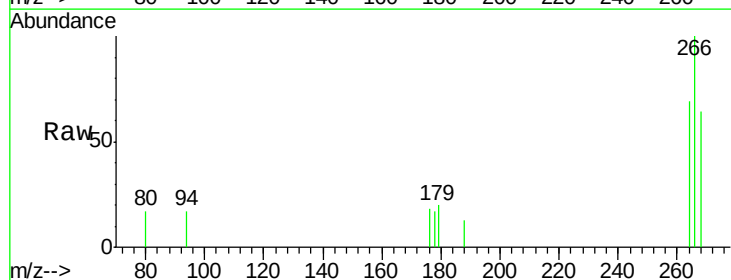
Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

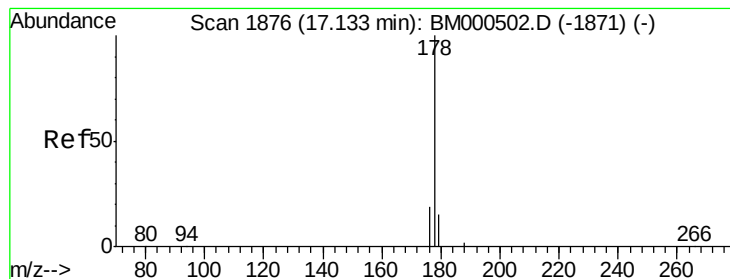
Tgt Ion:166 Resp: 2302
 Ion Ratio Lower Upper
 166 100
 165 10.3 80.0 120.0#
 167 27.8 11.4 17.2#



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.75 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BM000506.D
 Acq: 12 Feb 2015 17:15

Tgt Ion:266 Resp: 797
 Ion Ratio Lower Upper
 266 100
 264 57.7 51.4 77.2
 268 59.8 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: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

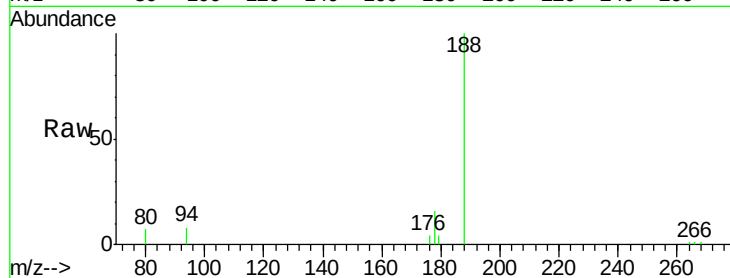
Tgt Ion:178 Resp: 2024

Ion Ratio Lower Upper

178 100

176 22.5 15.5 23.3

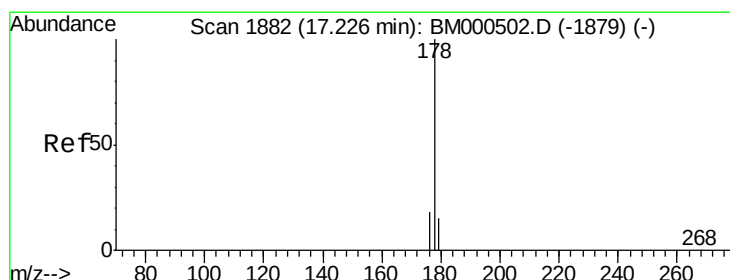
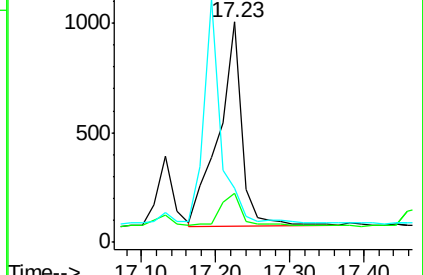
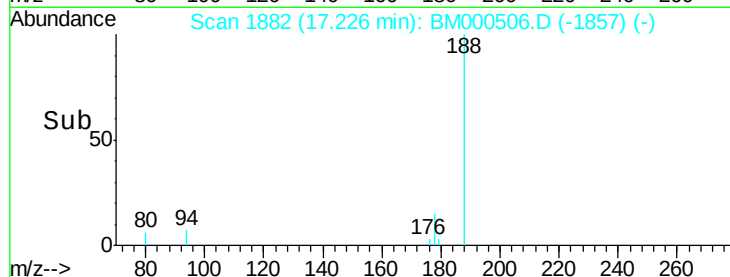
179 24.8 12.5 18.7#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

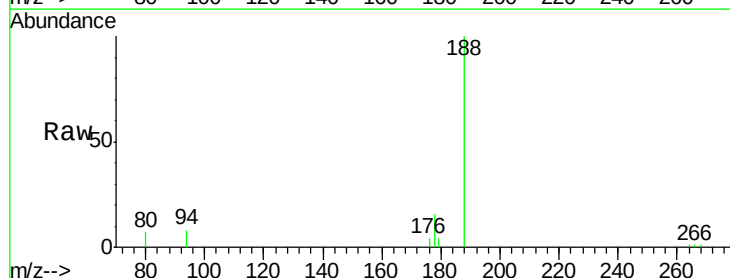
Tgt Ion:178 Resp: 2018

Ion Ratio Lower Upper

178 100

176 22.5 14.9 22.3#

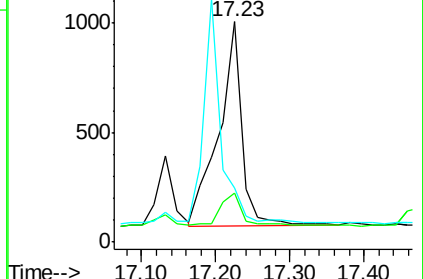
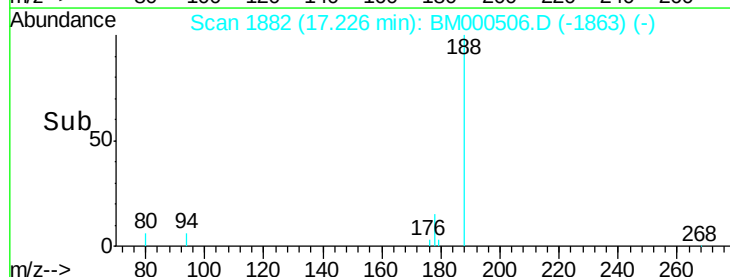
179 24.8 12.8 19.2#

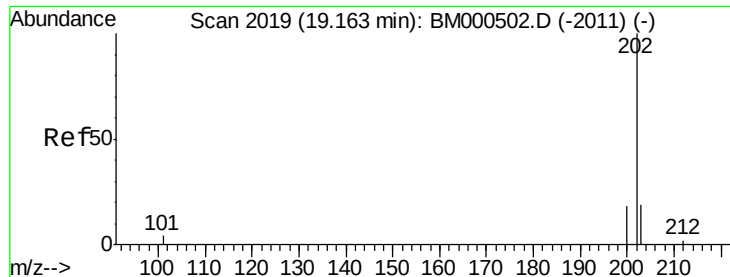


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.15 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

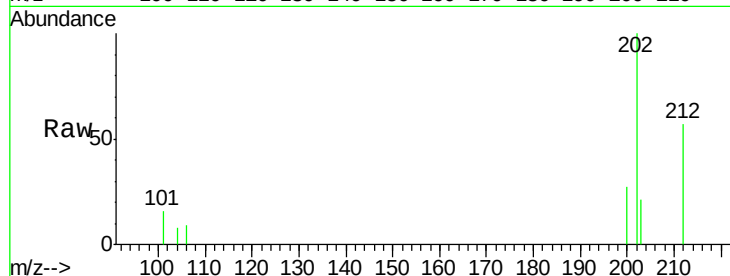
Tgt Ion:202 Resp: 1828

Ion Ratio Lower Upper

202 100

101 15.8 0.0 24.8

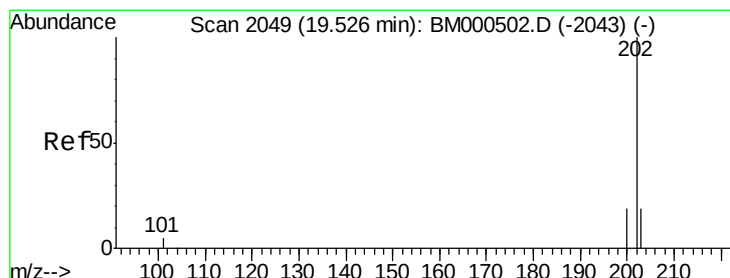
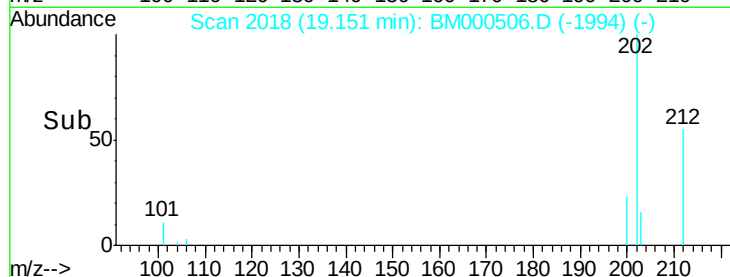
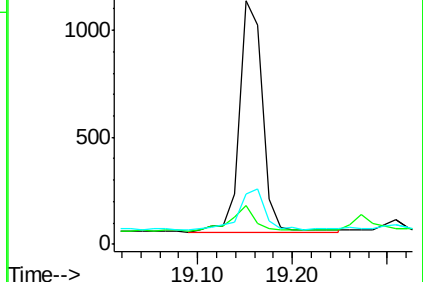
203 20.9 0.0 39.2



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



#17

Pyrene

Concen: 0.09 ng/ul

RT: 19.49 min Scan# 2046

Delta R.T. -0.04 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

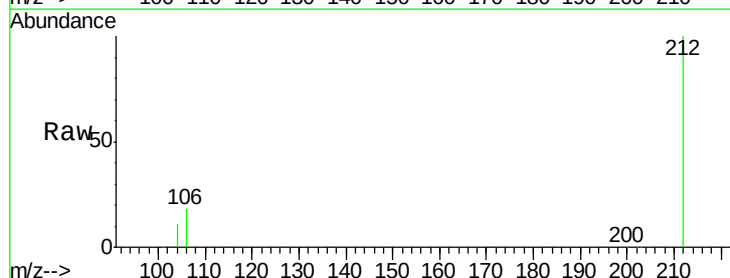
Tgt Ion:202 Resp: 3839

Ion Ratio Lower Upper

202 100

200 7.9 15.4 23.0#

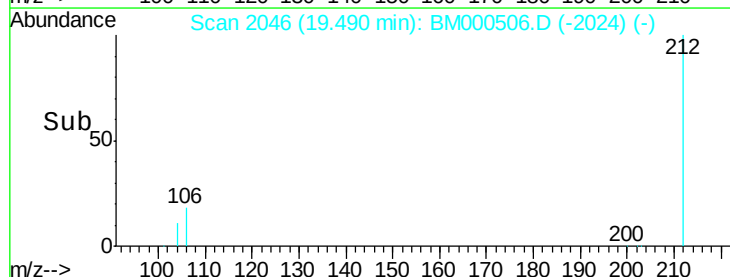
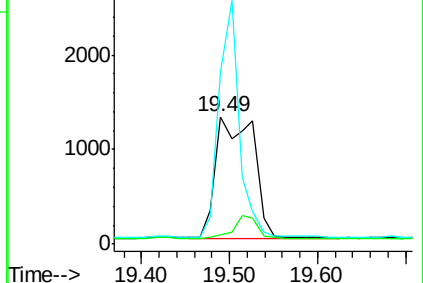
203 134.7 15.4 23.2#

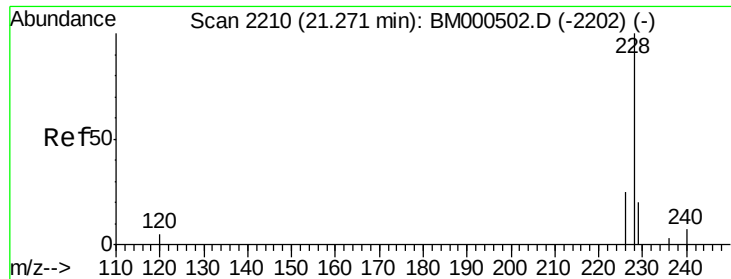


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. 0.05 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

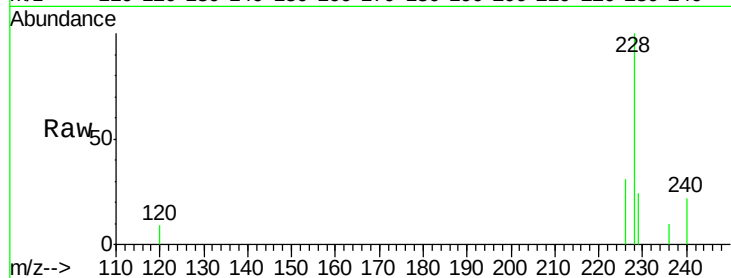
Tgt Ion:228 Resp: 2121

Ion Ratio Lower Upper

228 100

226 30.6 20.6 31.0

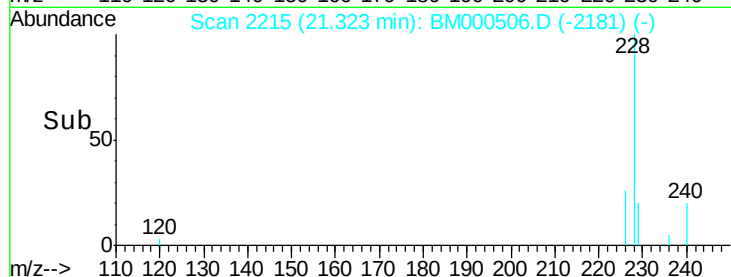
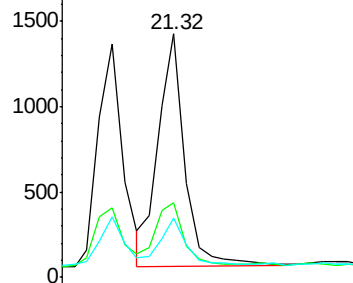
229 24.1 16.3 24.5



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: 0.05 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

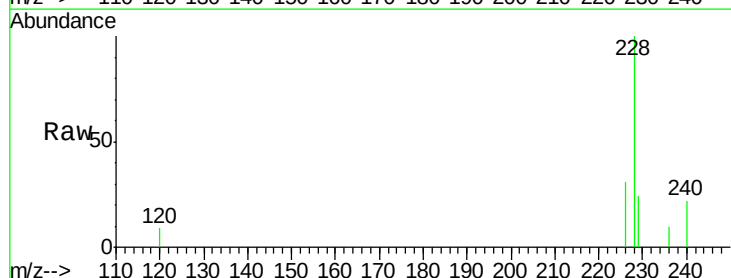
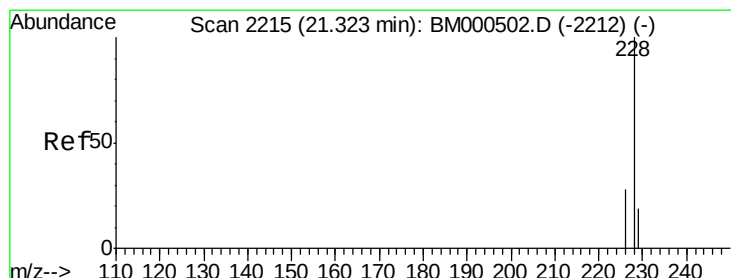
Tgt Ion:228 Resp: 2121

Ion Ratio Lower Upper

228 100

226 30.6 22.7 34.1

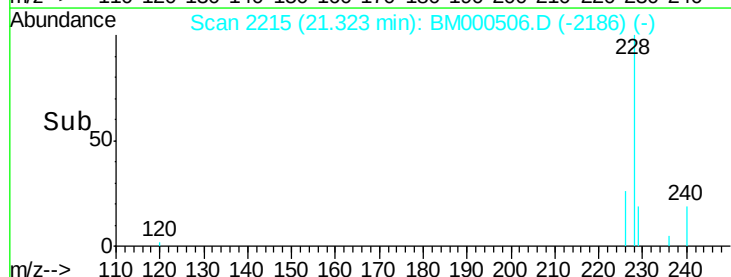
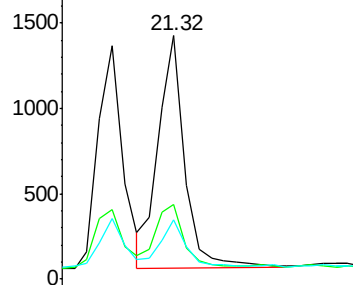
229 24.1 16.0 24.0#

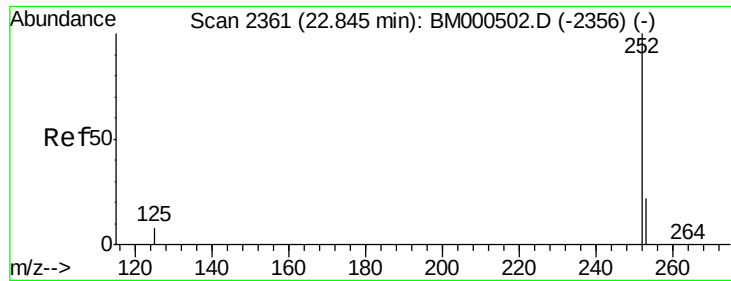


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.63 min Scan# 2340

Delta R.T. -0.22 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

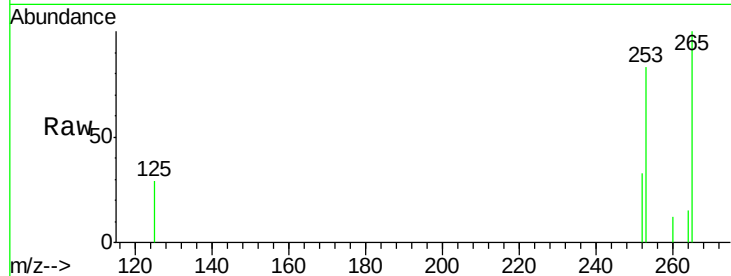
Tgt Ion:252 Resp: 552

Ion Ratio Lower Upper

252 100

253 253.5 0.0 52.6#

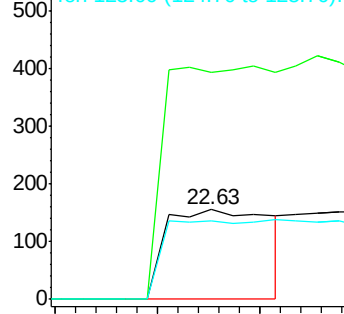
125 87.7 0.0 17.6#



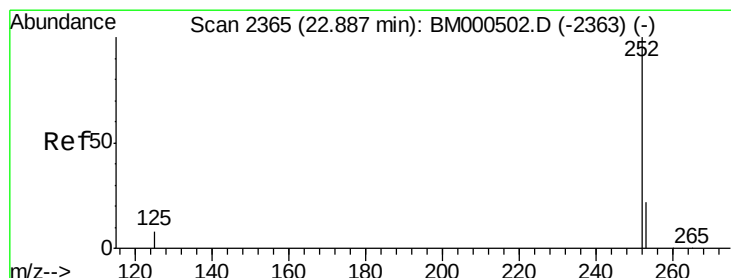
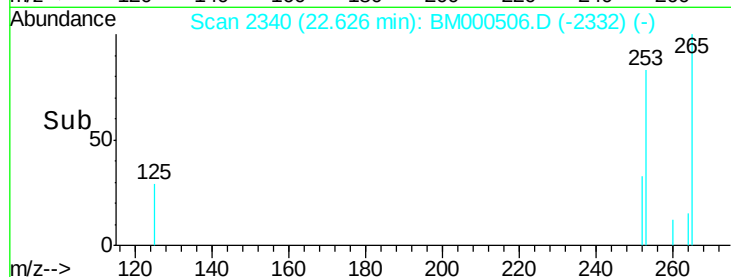
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.84 min Scan# 2361

Delta R.T. -0.04 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

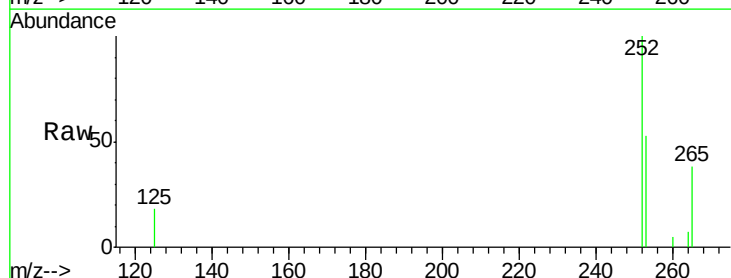
Tgt Ion:252 Resp: 2240

Ion Ratio Lower Upper

252 100

253 52.9 20.2 30.4#

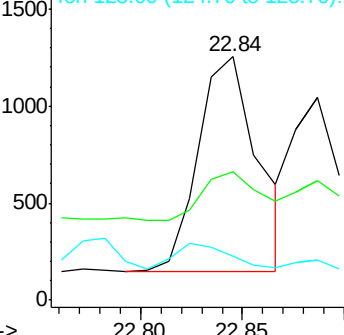
125 18.0 7.4 11.0#



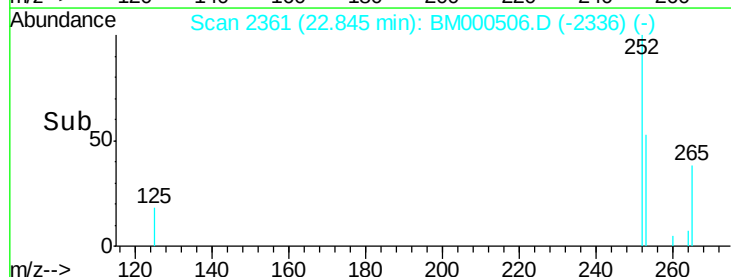
Abundance Ion 252.00 (251.70 to 252.70): E

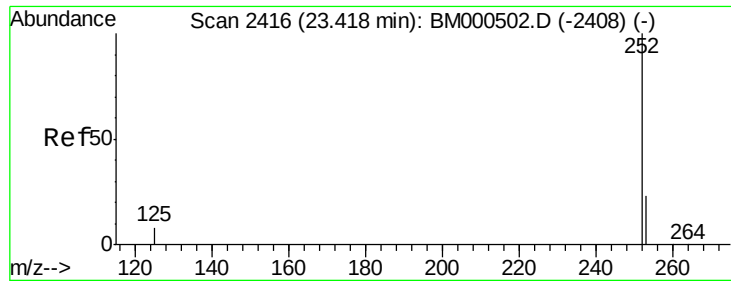
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.38 min Scan# 2412

Delta R.T. -0.04 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

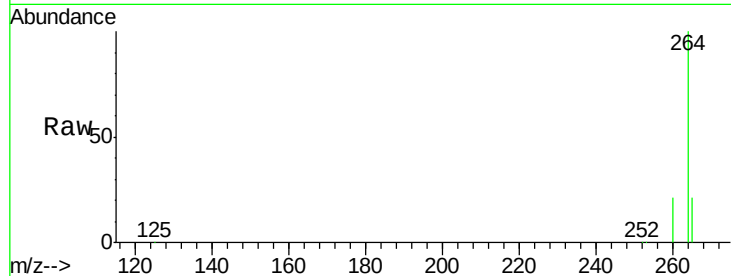
Tgt Ion:252 Resp: 4112

Ion Ratio Lower Upper

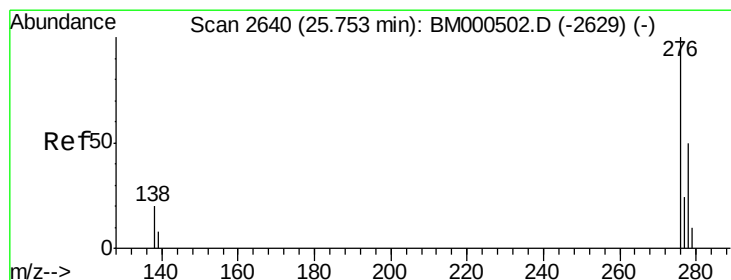
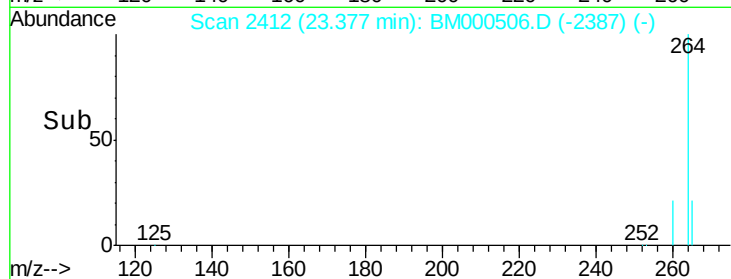
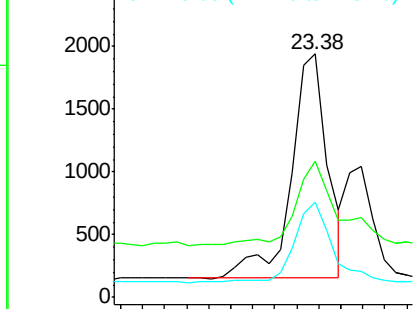
252 100

253 56.0 23.1 34.7#

125 39.3 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: 0.00 ng/ul

RT: 25.76 min Scan# 2641

Delta R.T. 0.01 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

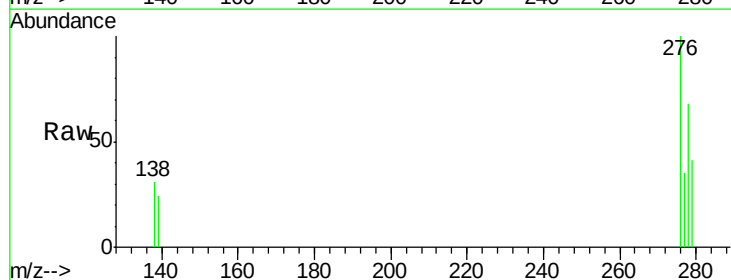
Tgt Ion:276 Resp: 1429

Ion Ratio Lower Upper

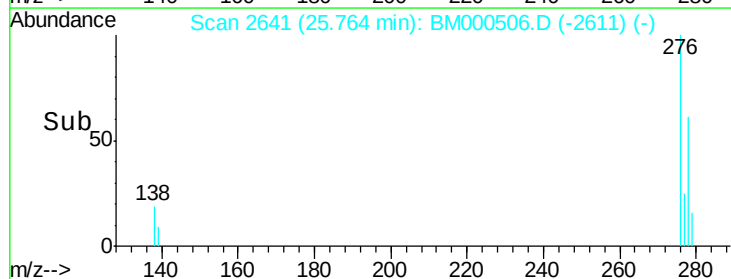
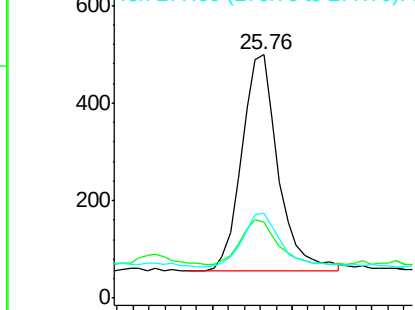
276 100

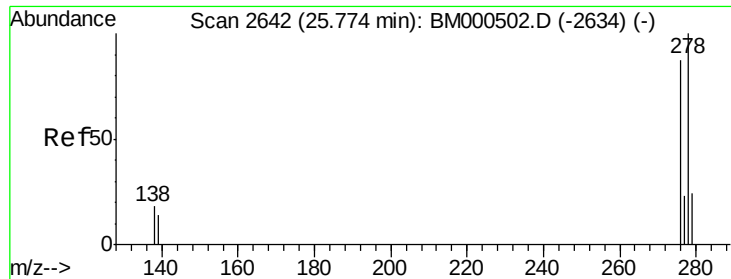
138 21.2 17.3 25.9

277 24.9 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: 0.00 ng/ul

RT: 25.52 min Scan# 2618

Delta R.T. -0.25 min

Lab File: BM000506.D

Acq: 12 Feb 2015 17:15

Instrument :

BNA_M

ClientSampleId :

A4FN4

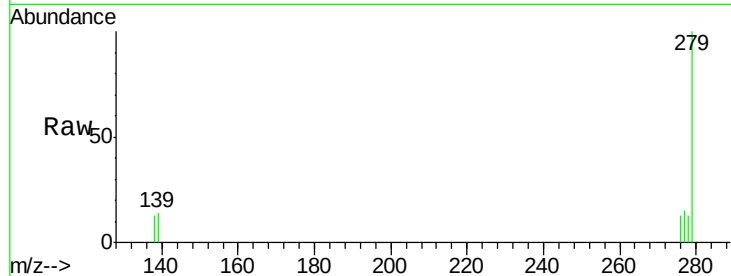
Tgt Ion:278 Resp: 43

Ion Ratio Lower Upper

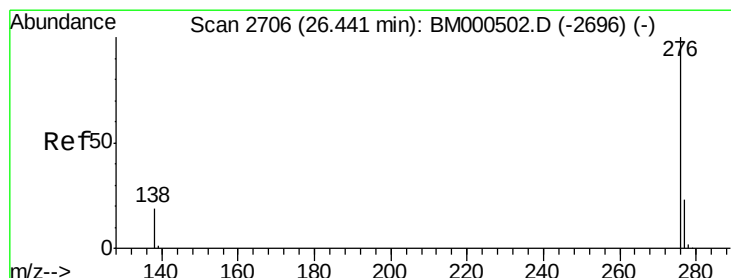
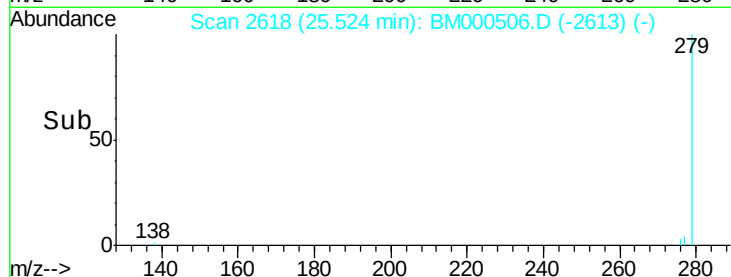
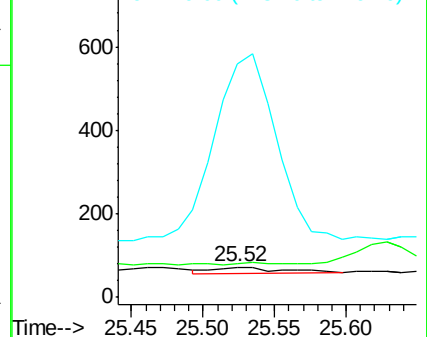
278 100

139 109.6 12.5 18.7#

279 764.4 22.2 33.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#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: BM000506.D

Acq: 12 Feb 2015 17:15

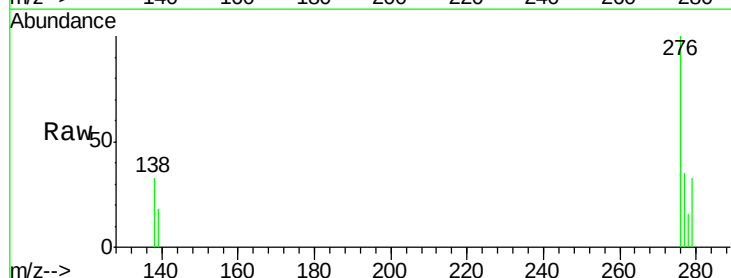
Tgt Ion:276 Resp: 1250

Ion Ratio Lower Upper

276 100

277 34.6 19.2 28.8#

138 32.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

