

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000618.D
 Acq On : 27 Feb 2015 22:06
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 01:10:44 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM022715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 23:02:43 2015
 Response via : Initial Calibration

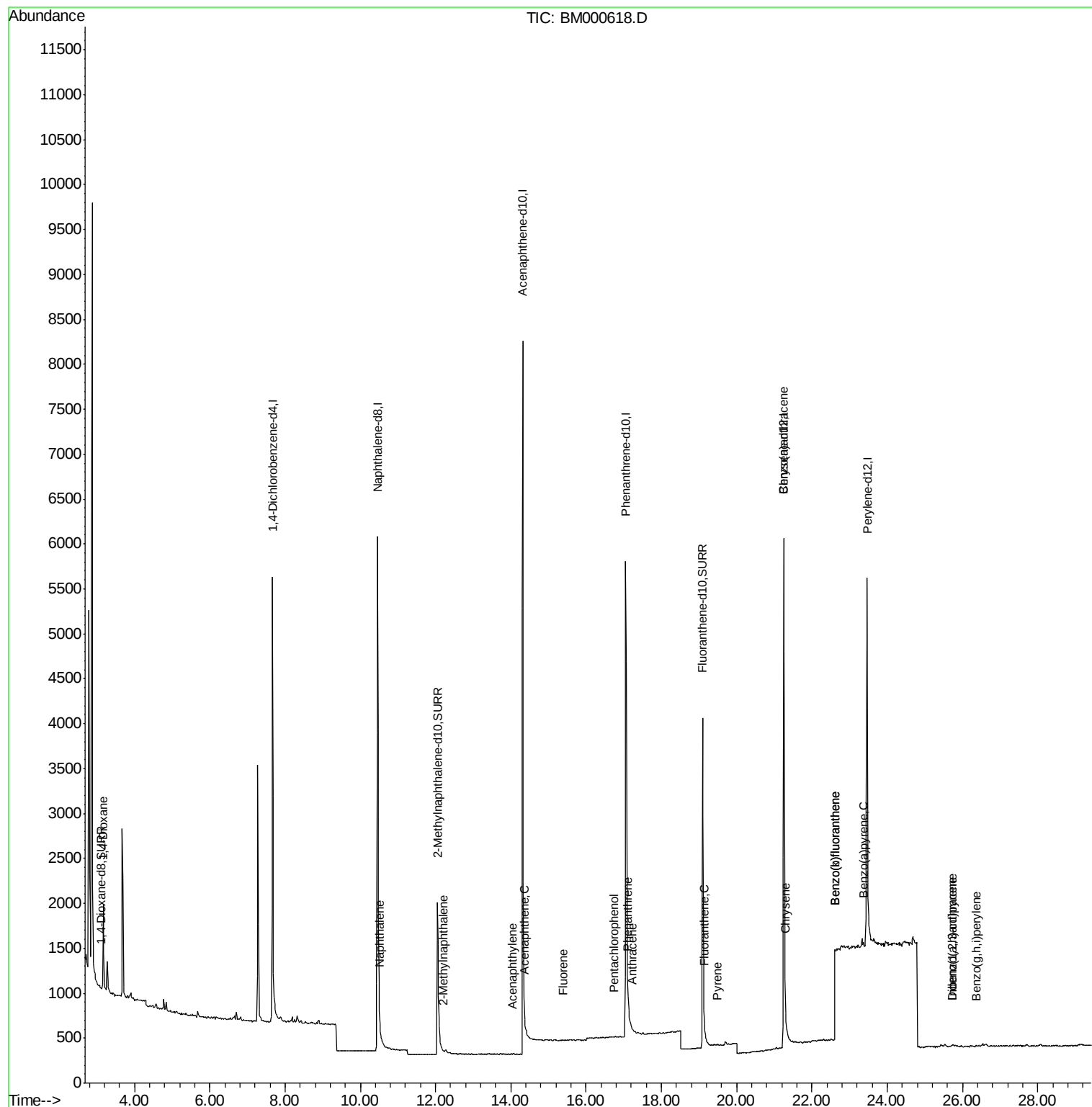
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3080	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10313	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.32	164	6020	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	10794	0.40	ng/ul	-0.01
18) Chrysene-d12	21.25	240	7632	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	6487	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	19	0.01	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	3414	0.27	ng/ul	0.01
16) Fluoranthene-d10	19.09	212	5795	0.29	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	1111	0.35	ng/ul#	62
5) Naphthalene	10.50	128	38	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.21	142	2	0.00	ng/ul	88
9) Acenaphthylene	14.05	152	6	0.00	ng/ul#	1
10) Acenaphthene	14.37	153	6	0.00	ng/ul#	74
11) Fluorene	15.40	166	12	0.00	ng/ul#	52
13) Pentachlorophenol	16.75	266	21	0.02	ng/ul#	17
14) Phenanthrene	17.12	178	50	0.00	ng/ul#	1
15) Anthracene	17.23	178	16	0.00	ng/ul#	1
17) Fluoranthene	19.13	202	28	0.00	ng/ul#	1
19) Pyrene	19.49	202	17	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	51	0.00	ng/ul#	1
21) Chrysene	21.28	228	48	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.62	252	484	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.62	252	484	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	34	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.73	276	62	0.00	ng/ul#	50
27) Dibenzo(a,h)anthracene	25.73	278	17	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.36	276	34	0.00	ng/ul#	1

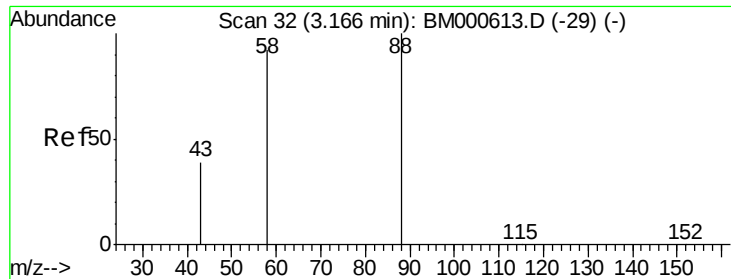
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.35 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :

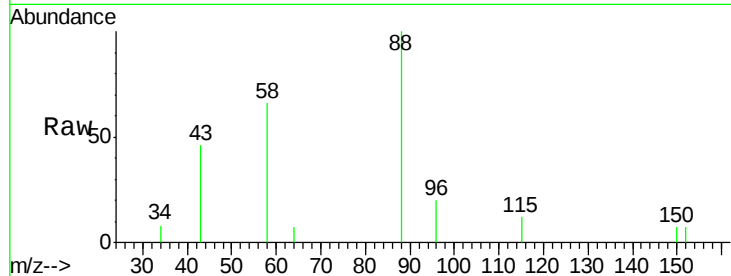
Tgt Ion: 88 Resp: 1111

Ion Ratio Lower Upper

88 100

58 54.9 62.7 94.1#

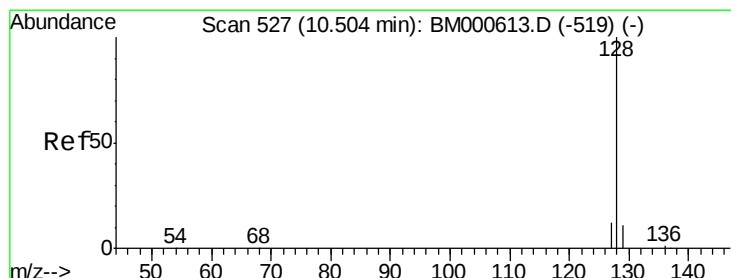
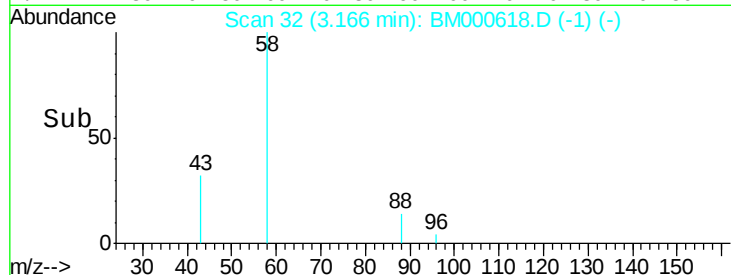
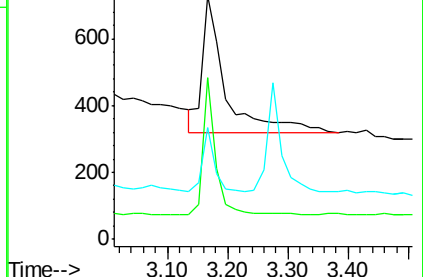
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000618.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000618.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000618.D (-29) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

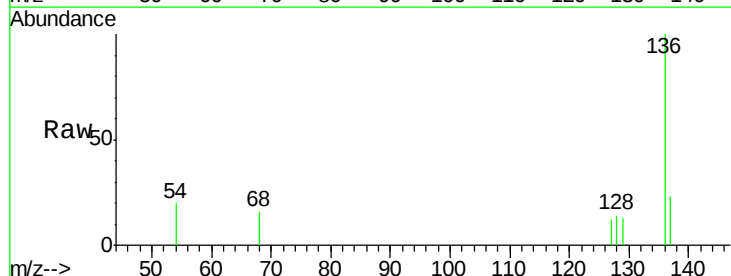
Tgt Ion: 128 Resp: 38

Ion Ratio Lower Upper

128 100

129 92.7 9.4 14.0#

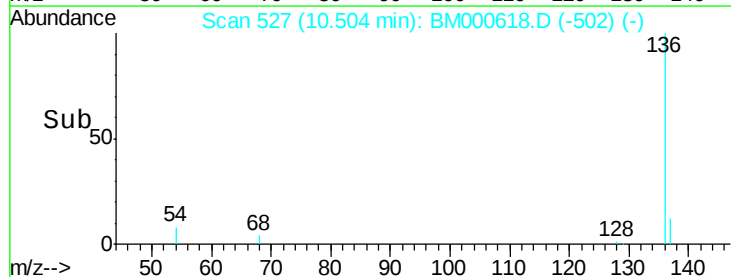
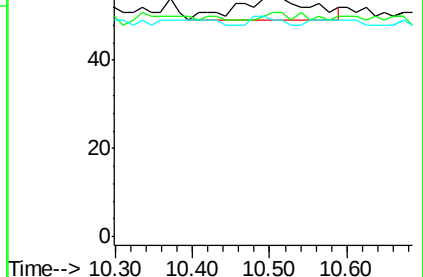
127 89.1 10.0 15.0#

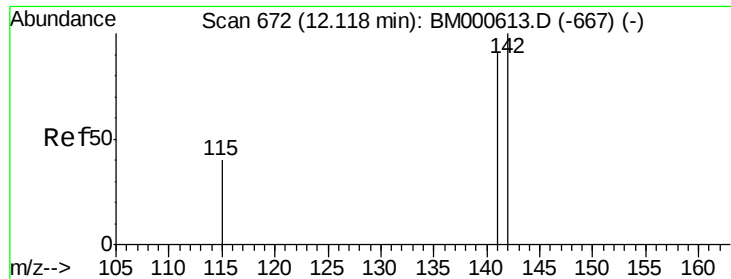


Abundance Ion 128.00 (127.70 to 128.70): BM000618.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000618.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000618.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.21 min Scan# 681

Delta R.T. 0.09 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

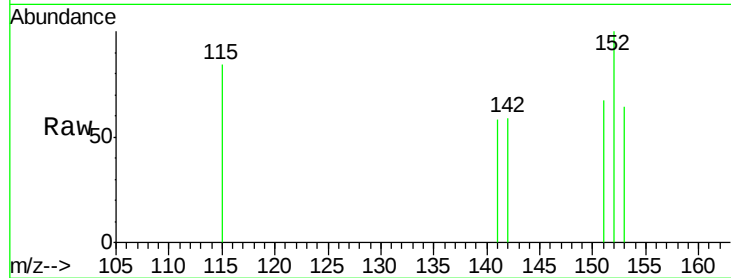
ClientSampled :

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 100.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.21

50

40

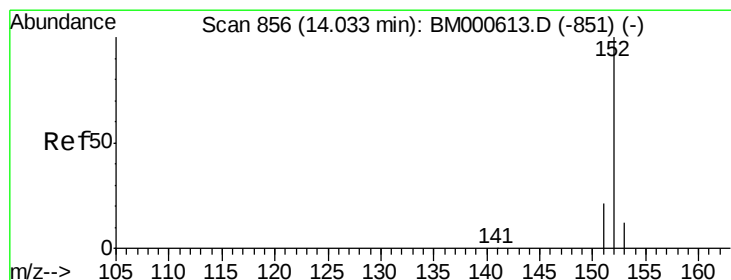
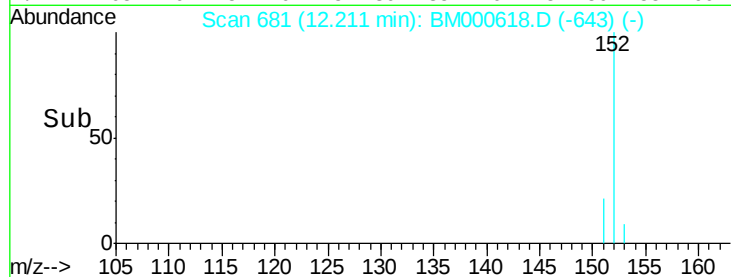
30

20

10

0

Time--> 12.20 12.22 12.24



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.05 min Scan# 858

Delta R.T. 0.02 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

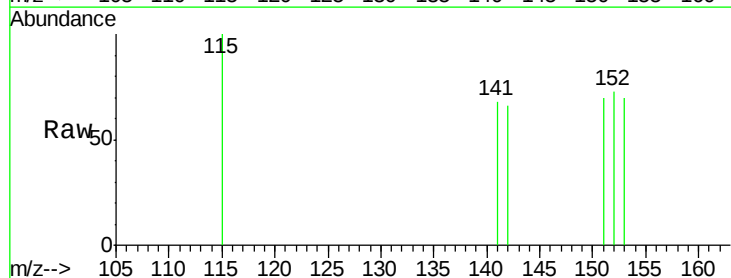
Tgt Ion:152 Resp: 6

Ion Ratio Lower Upper

152 100

151 96.2 17.0 25.6#

153 96.2 9.9 14.9#



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

14.05

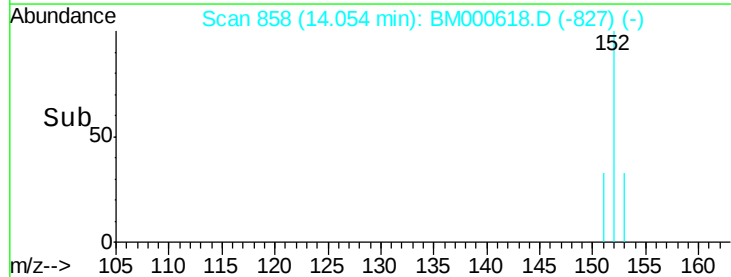
60

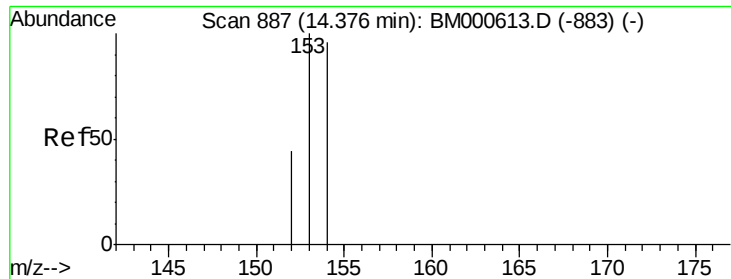
40

20

0

Time--> 14.05 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.37 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM000618.D

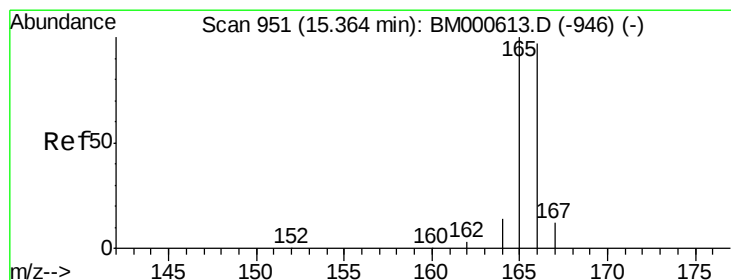
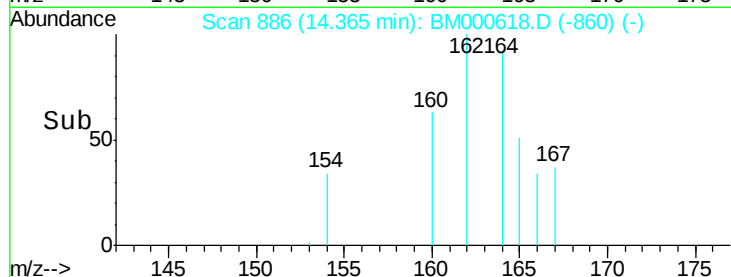
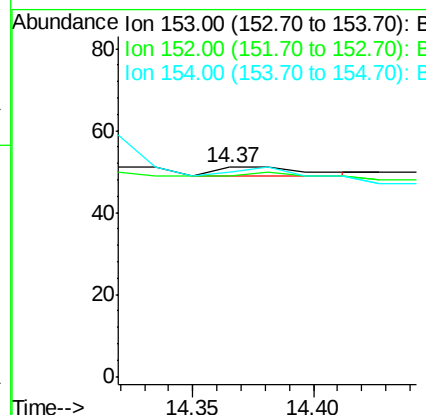
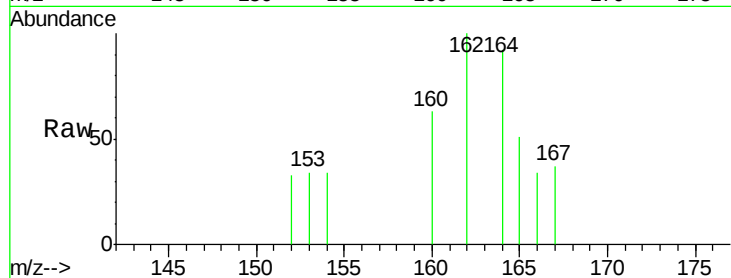
Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	153	Resp:	6
Ion	Ratio	Lower	Upper
153	100		
152	96.1	35.9	53.9#
154	98.0	76.9	115.3



#11

Fluorene

Concen: 0.00 ng/ul

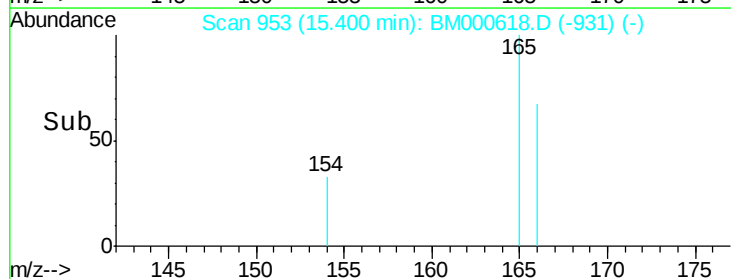
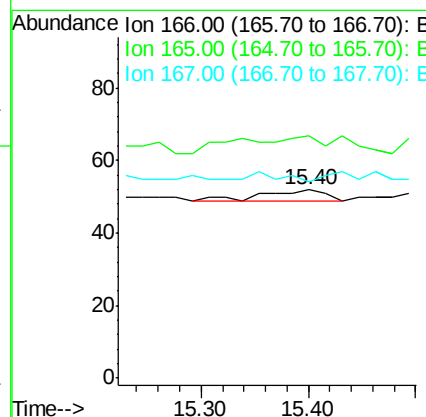
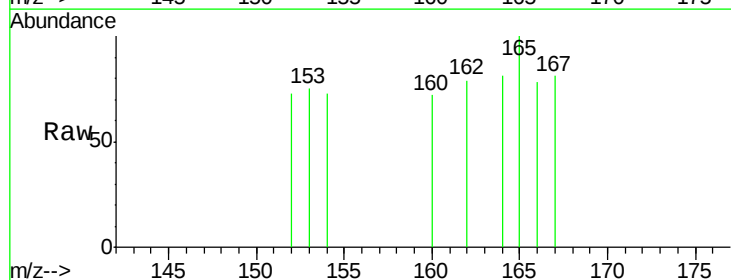
RT: 15.40 min Scan# 953

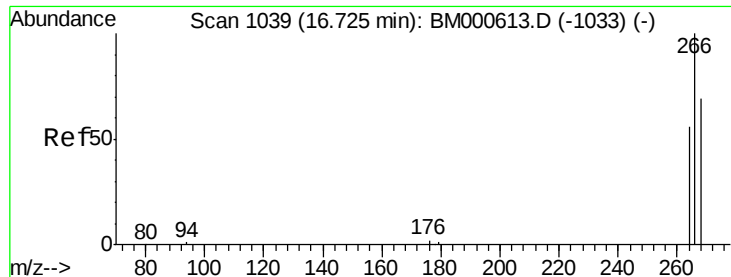
Delta R.T. 0.04 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Tgt Ion:	166	Resp:	12
Ion	Ratio	Lower	Upper
166	100		
165	128.8	82.5	123.7#
167	103.8	10.6	16.0#

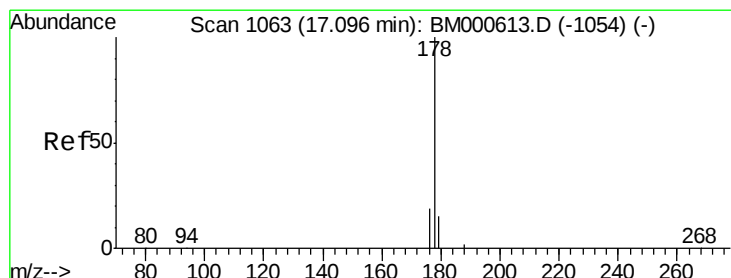
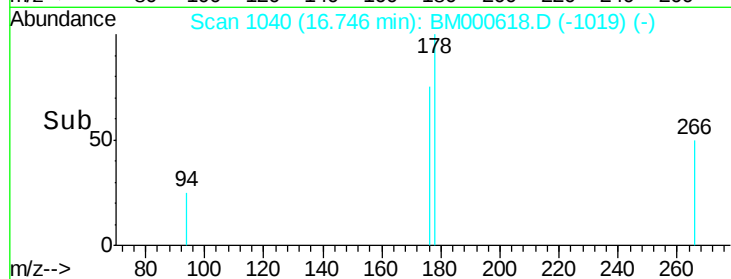
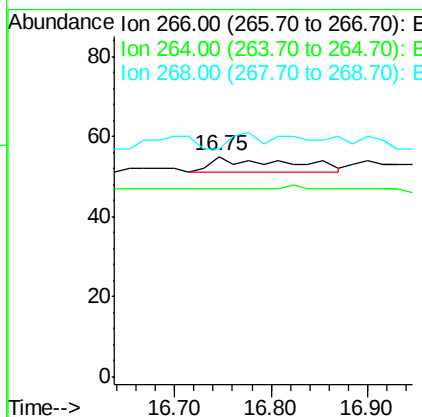
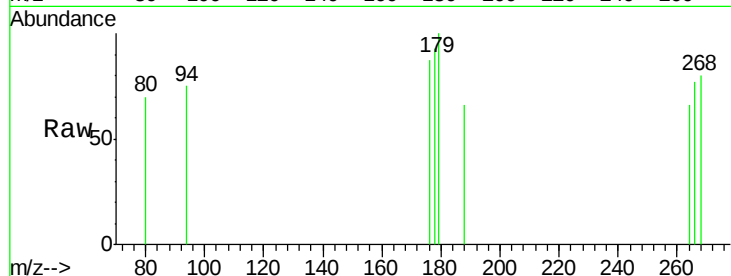




#13
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.75 min Scan# 1040
 Delta R.T. 0.02 min
 Lab File: BM000618.D
 Acq: 27 Feb 2015 22:06

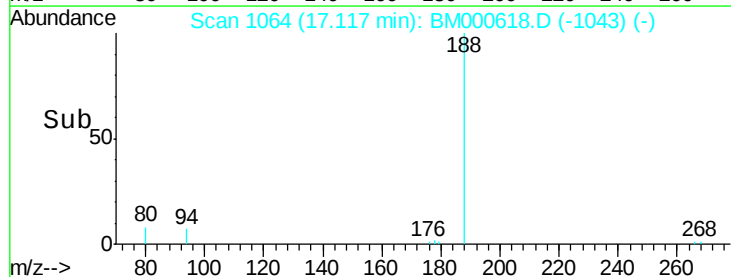
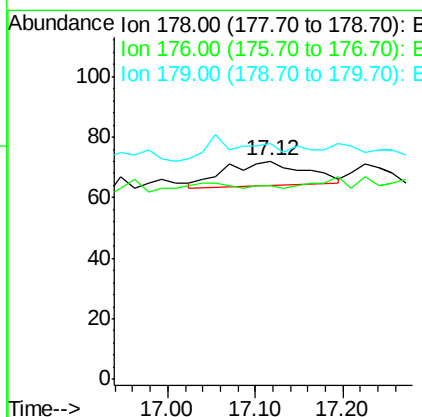
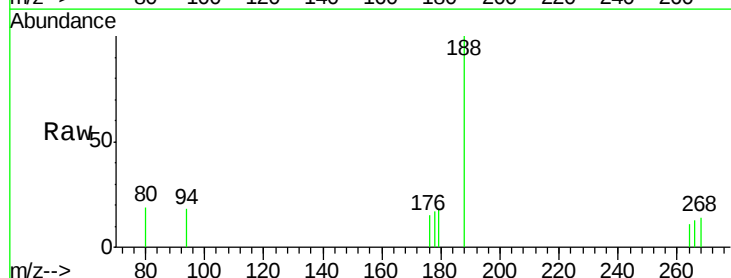
Instrument :
 BNA_M
 ClientSampleId :

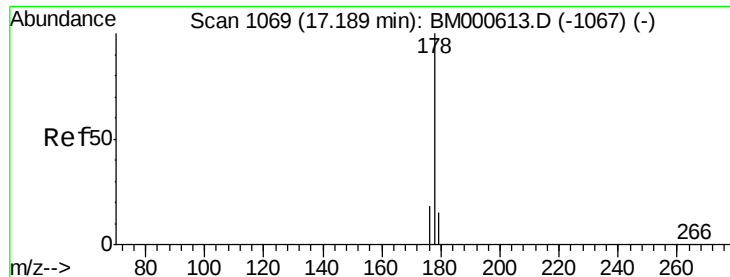
Tgt Ion: 266 Resp: 21
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 0.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.12 min Scan# 1064
 Delta R.T. 0.02 min
 Lab File: BM000618.D
 Acq: 27 Feb 2015 22:06

Tgt Ion: 178 Resp: 50
 Ion Ratio Lower Upper
 178 100
 176 88.9 15.3 22.9#
 179 108.3 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1071

Delta R.T. 0.04 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :

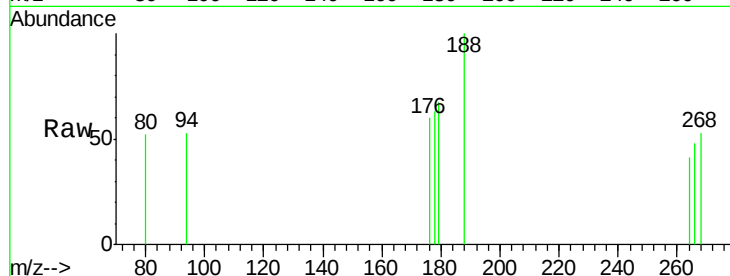
Tgt Ion:178 Resp: 16

Ion Ratio Lower Upper

178 100

176 94.4 14.6 22.0#

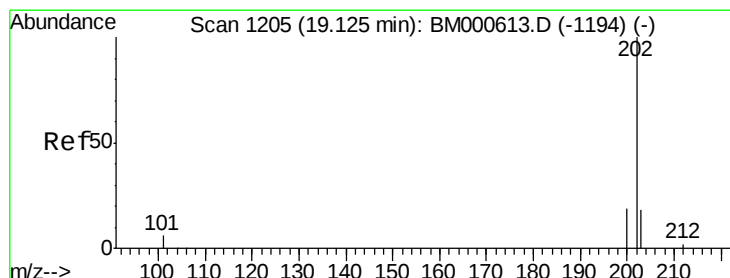
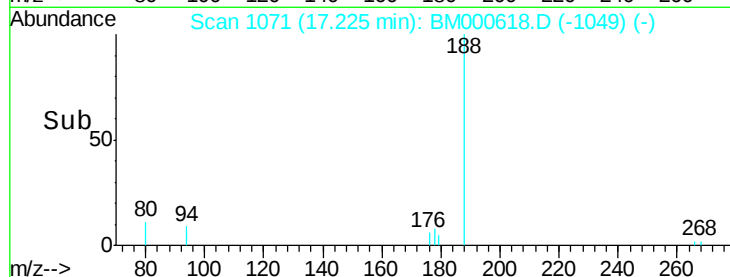
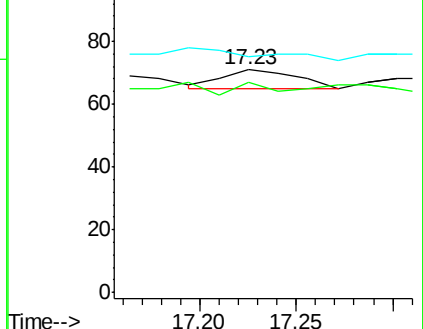
179 105.6 12.9 19.3#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.13 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

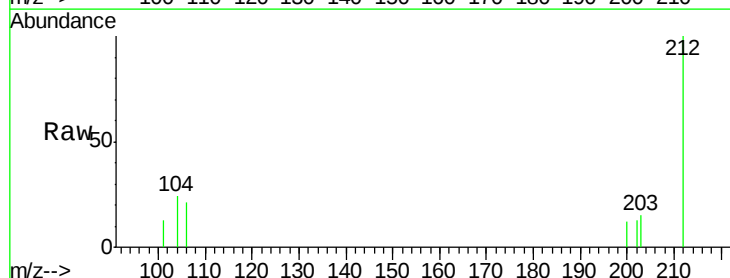
Tgt Ion:202 Resp: 28

Ion Ratio Lower Upper

202 100

101 100.0 0.0 26.2#

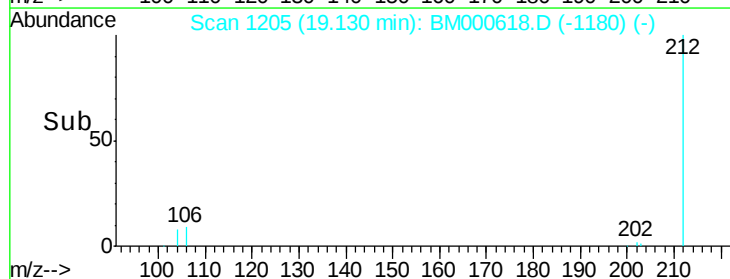
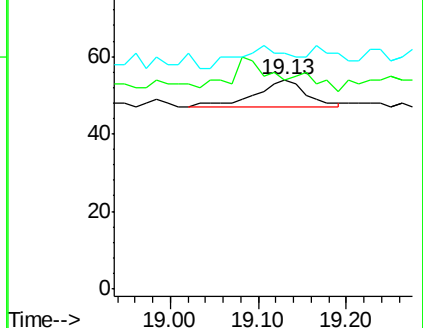
203 113.0 0.0 38.3#

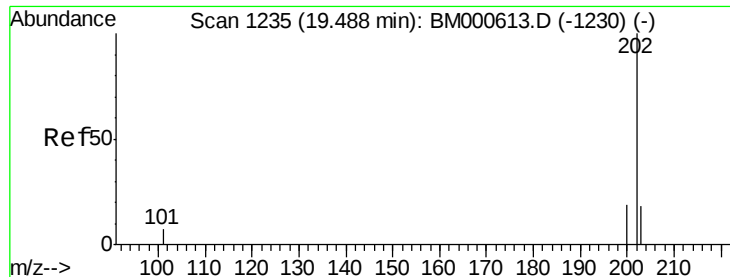


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.01 min

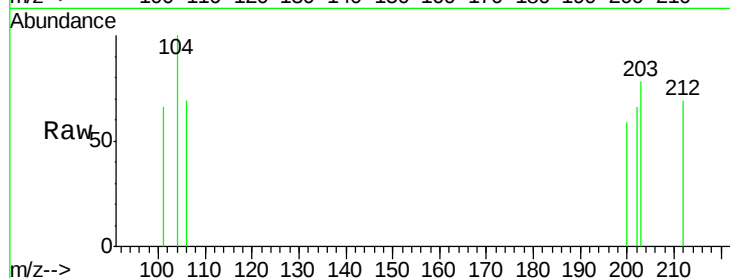
Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampled :



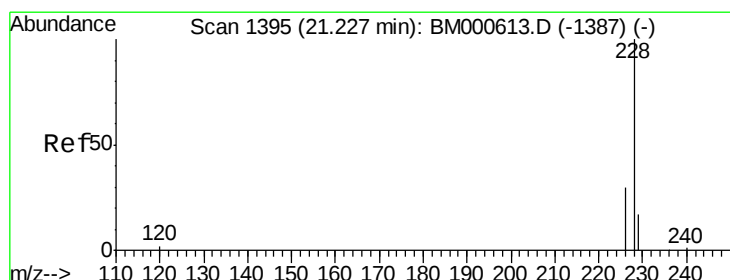
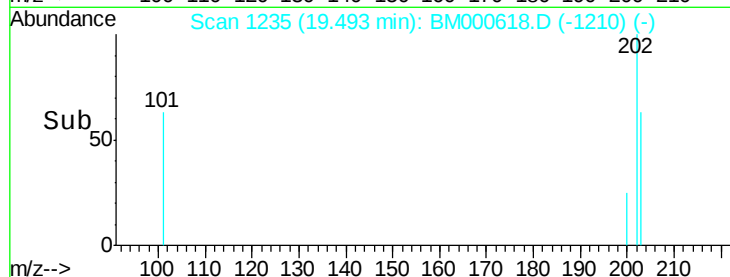
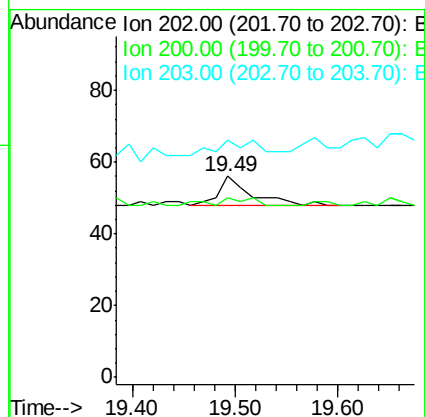
Tgt Ion:202 Resp: 17

Ion Ratio Lower Upper

202 100

200 89.3 15.7 23.5#

203 117.9 14.8 22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.03 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

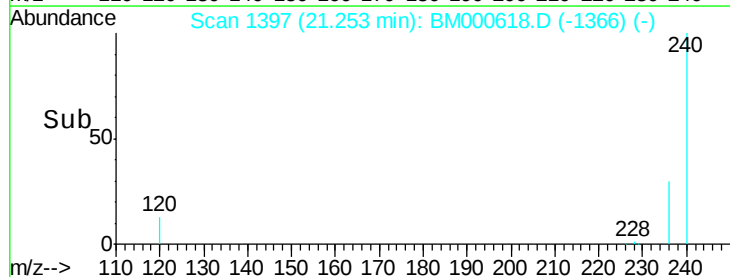
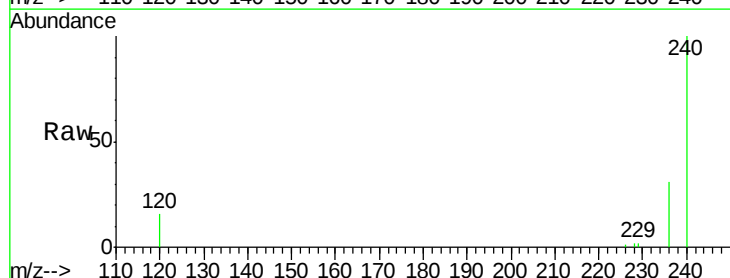
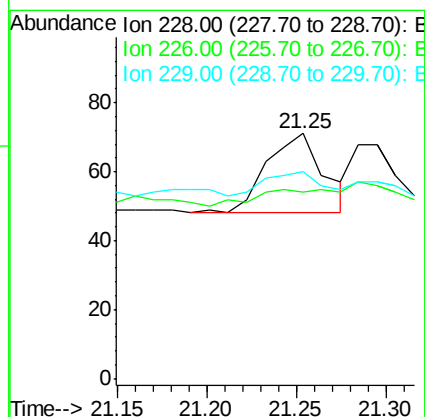
Tgt Ion:228 Resp: 51

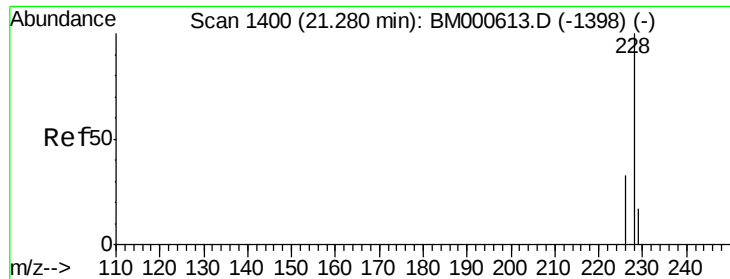
Ion Ratio Lower Upper

228 100

226 76.1 24.1 36.1#

229 84.5 14.2 21.4#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :

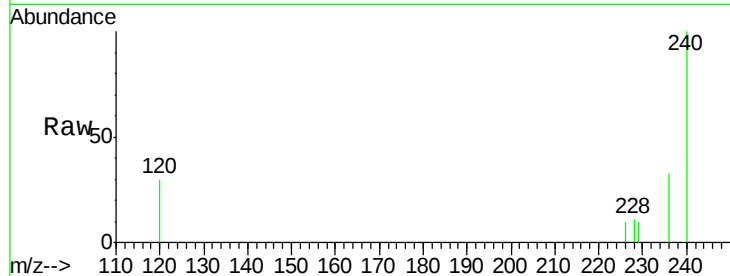
Tgt Ion:228 Resp: 48

Ion Ratio Lower Upper

228 100

226 83.8 26.5 39.7#

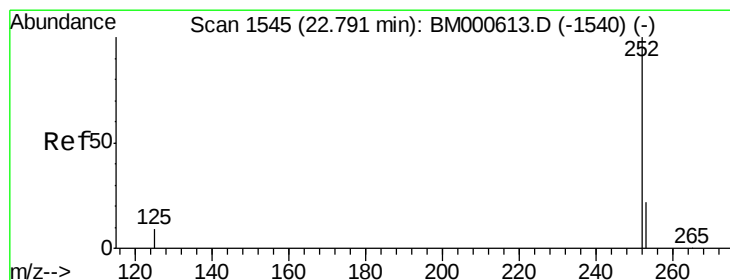
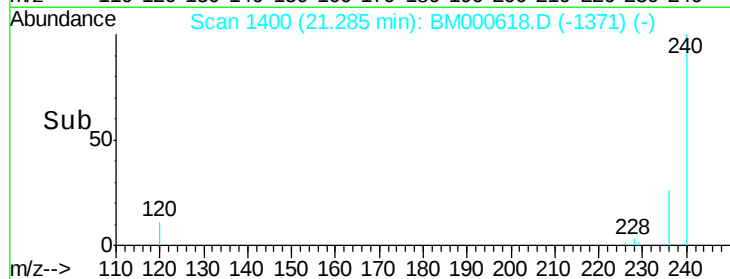
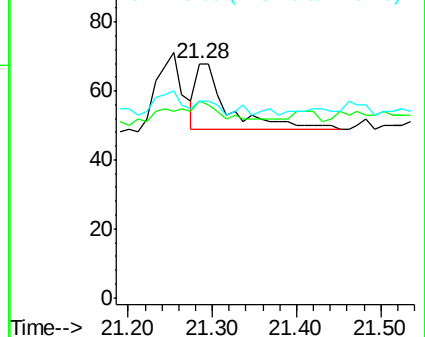
229 83.8 14.3 21.5#



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



#23

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.62 min Scan# 1528

Delta R.T. -0.17 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

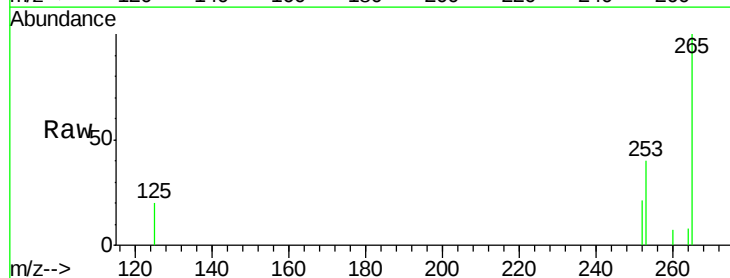
Tgt Ion:252 Resp: 484

Ion Ratio Lower Upper

252 100

253 188.1 0.0 51.2#

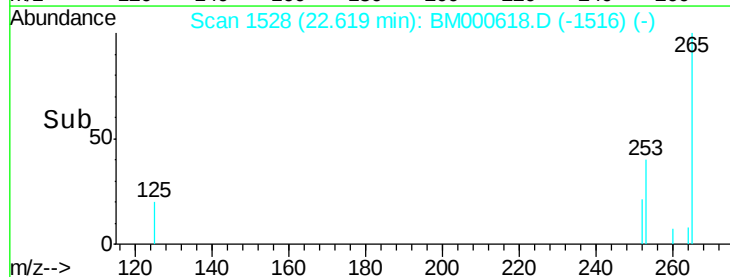
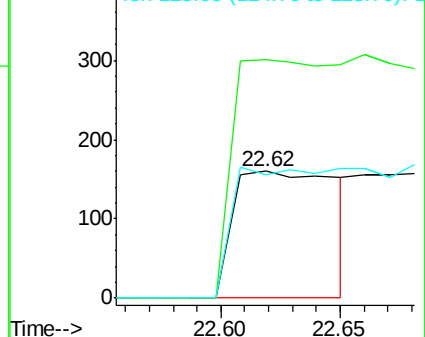
125 96.9 0.0 22.8#

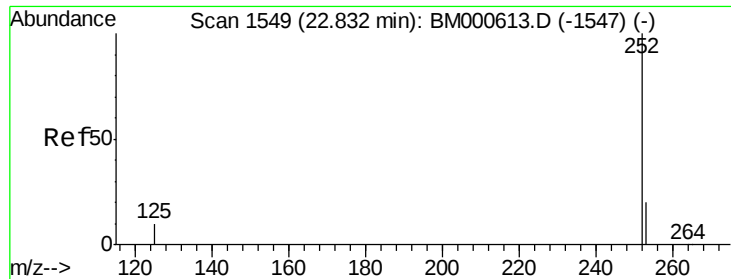


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.62 min Scan# 1528

Delta R.T. -0.21 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :

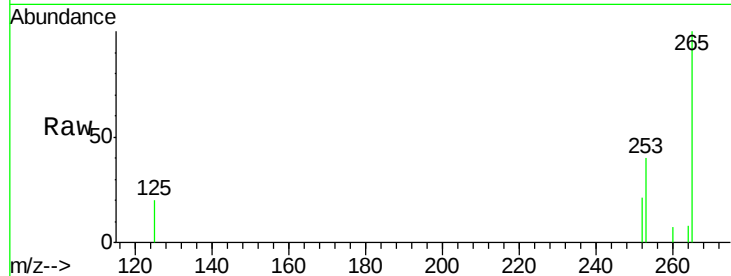
Tgt Ion: 252 Resp: 484

Ion Ratio Lower Upper

252 100

253 188.1 20.2 30.2#

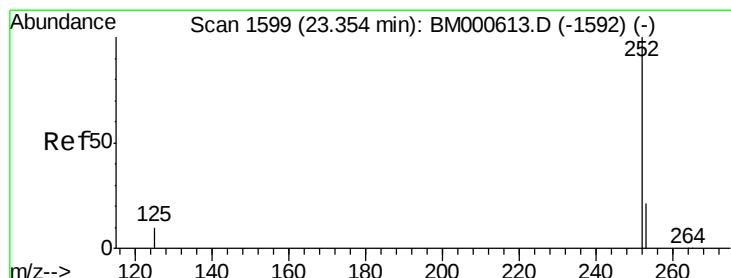
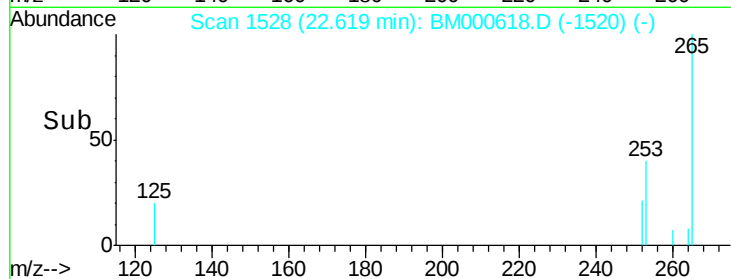
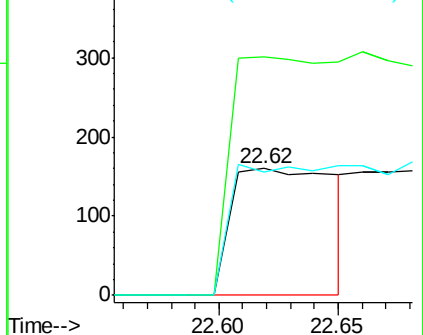
125 96.9 9.6 14.4#



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



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1600

Delta R.T. 0.02 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

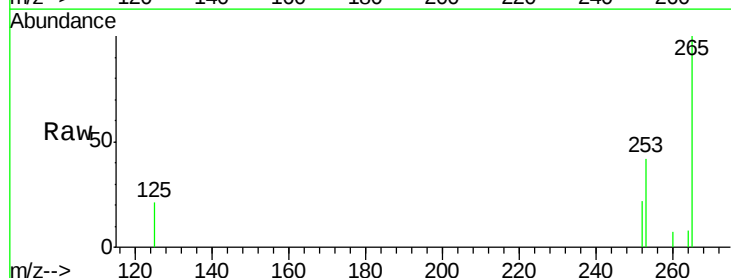
Tgt Ion: 252 Resp: 34

Ion Ratio Lower Upper

252 100

253 189.7 21.3 31.9#

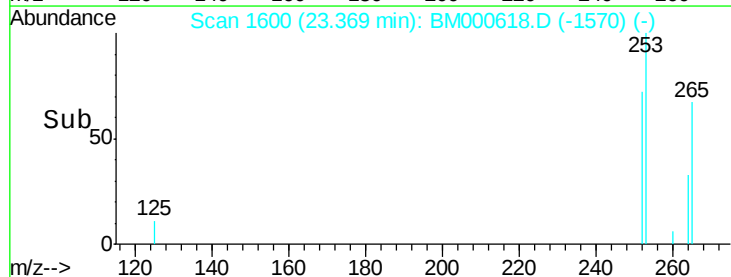
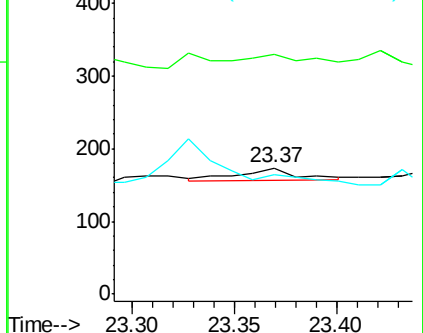
125 94.3 10.6 15.8#

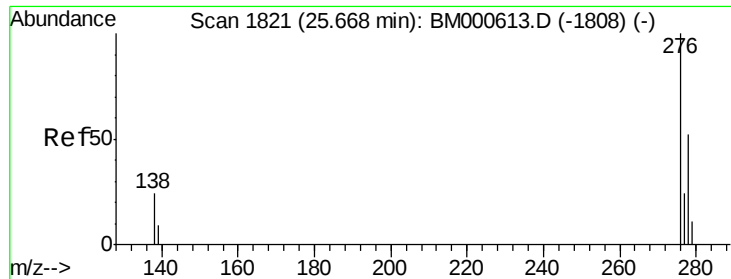


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1826

Delta R.T. 0.06 min

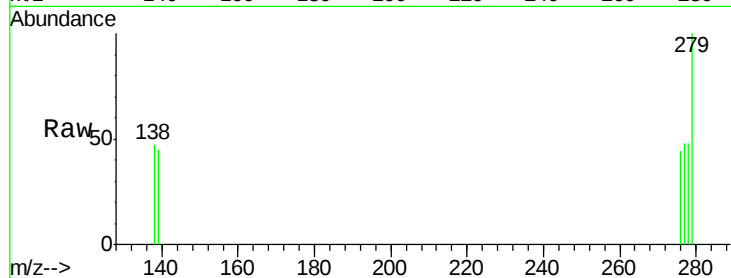
Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :



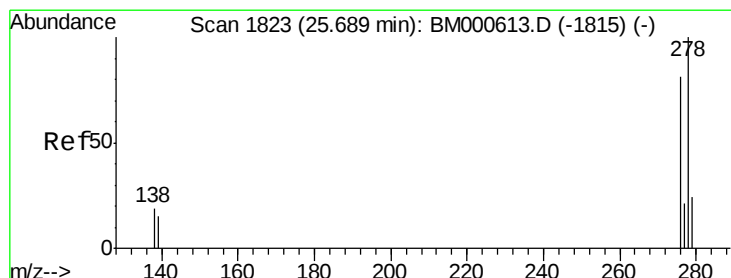
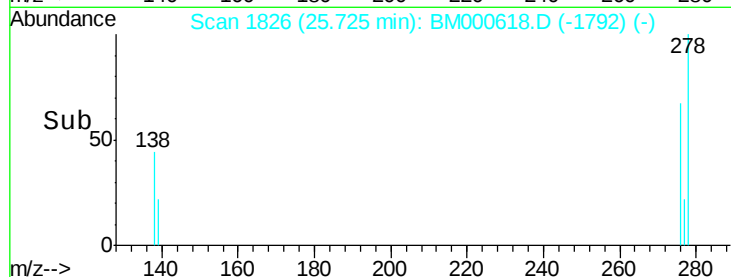
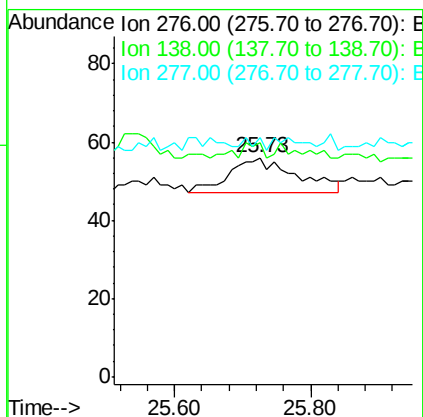
Tgt Ion: 276 Resp: 62

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 0.0 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

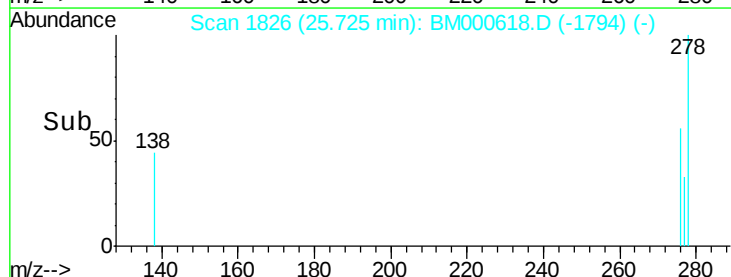
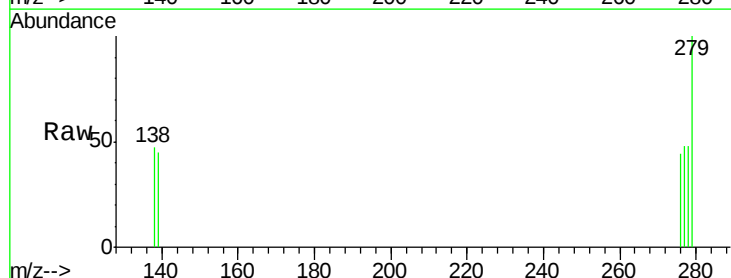
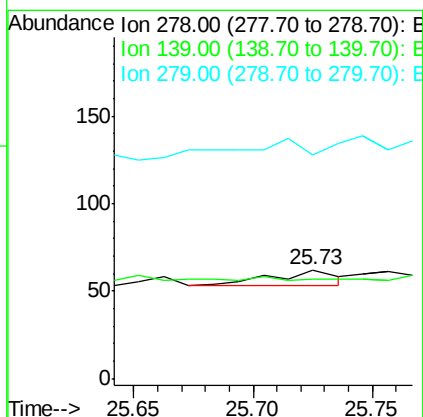
Tgt Ion: 278 Resp: 17

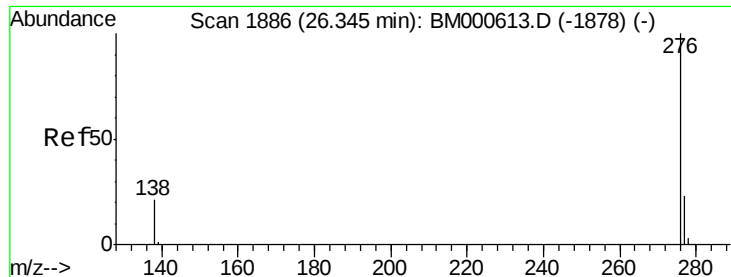
Ion Ratio Lower Upper

278 100

139 91.9 13.3 19.9#

279 206.5 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.36 min Scan# 1887

Delta R.T. 0.02 min

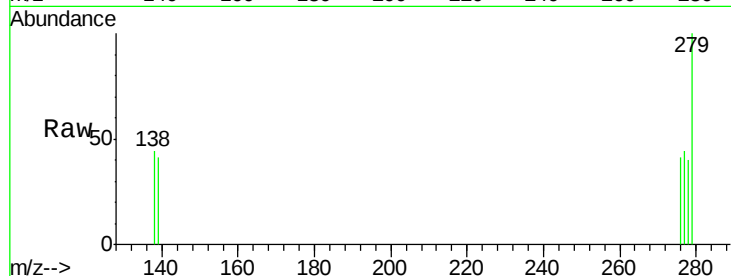
Lab File: BM000618.D

Acq: 27 Feb 2015 22:06

Instrument :

BNA_M

ClientSampleId :



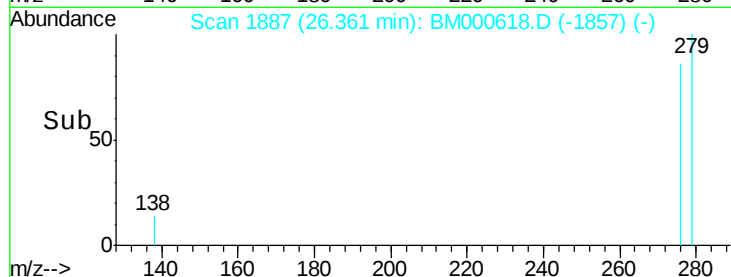
Tgt Ion: 276 Resp: 34

Ion Ratio Lower Upper

276 100

277 105.4 19.8 29.8#

138 105.4 17.8 26.6#



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

