

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030315\
 Data File : BM000623.D
 Acq On : 03 Mar 2015 19:11
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Quant Time: Mar 04 03:12:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 02:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4142	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	13822	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	6358	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	13095	0.40	ng/ul	0.02
18) Chrysene-d12	21.26	240	7507	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	6682	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	5969	1.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	1	0.00	ng/ul	0.02
16) Fluoranthene-d10	19.11	212	17	0.00	ng/ul	0.02

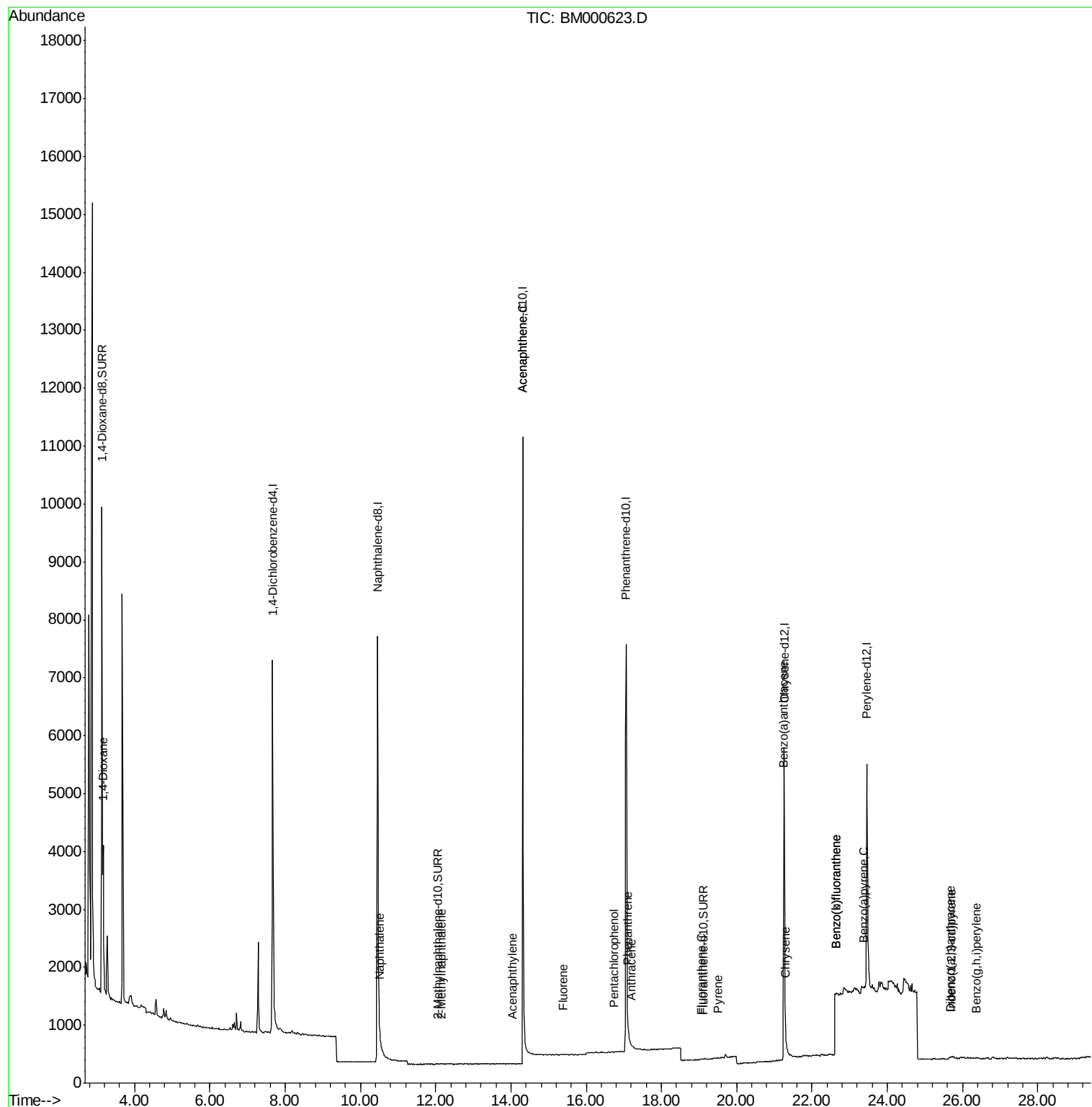
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	2856	0.61	ng/ul#	64
5) Naphthalene	10.50	128	31	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.16	142	7	0.00	ng/ul	87
9) Acenaphthylene	14.04	152	6	0.00	ng/ul#	1
10) Acenaphthene	14.31	153	12	0.00	ng/ul#	54
11) Fluorene	15.40	166	8	0.00	ng/ul#	43
13) Pentachlorophenol	16.74	266	15	0.01	ng/ul#	45
14) Phenanthrene	17.10	178	14	0.00	ng/ul#	1
15) Anthracene	17.19	178	10	0.00	ng/ul#	1
17) Fluoranthene	19.06	202	1	0.00	ng/ul#	1
19) Pyrene	19.50	202	31	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	47	0.00	ng/ul#	1
21) Chrysene	21.29	228	32	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.64	252	792	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.64	252	792	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.38	252	31	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	43	0.00	ng/ul#	80
27) Dibenzo(a,h)anthracene	25.68	278	6	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	34	0.00	ng/ul#	1

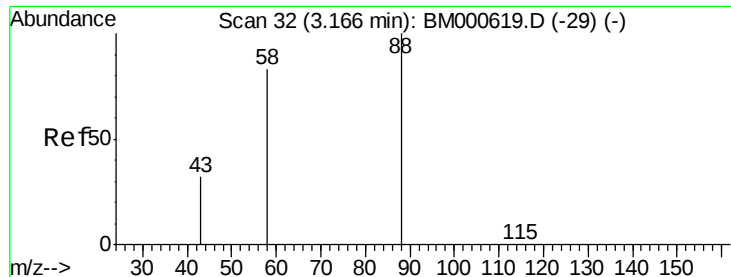
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.61 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

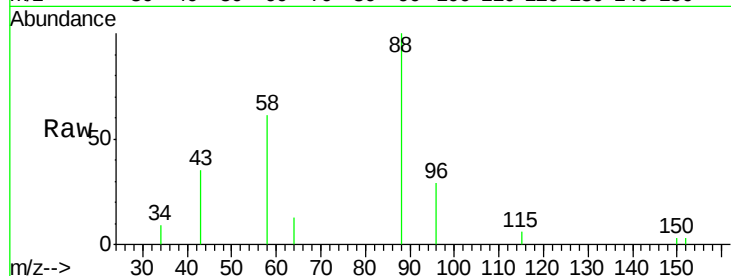
Tgt Ion: 88 Resp: 2856

Ion Ratio Lower Upper

88 100

58 47.1 55.4 83.2#

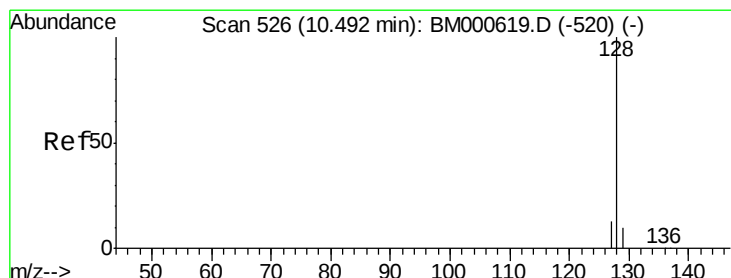
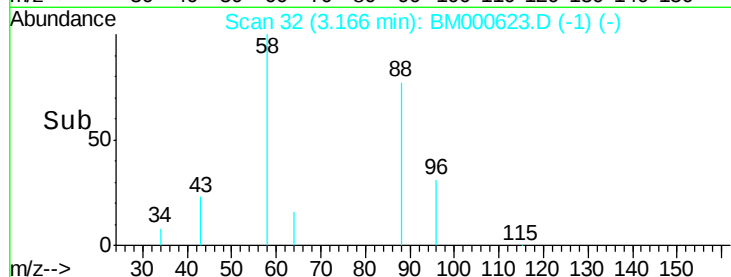
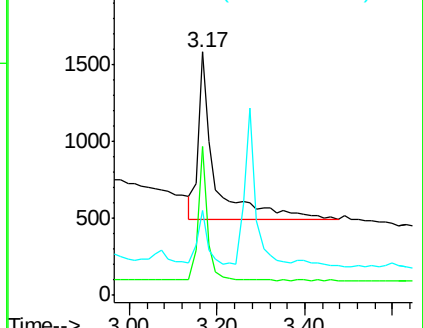
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000623.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000623.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000623.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

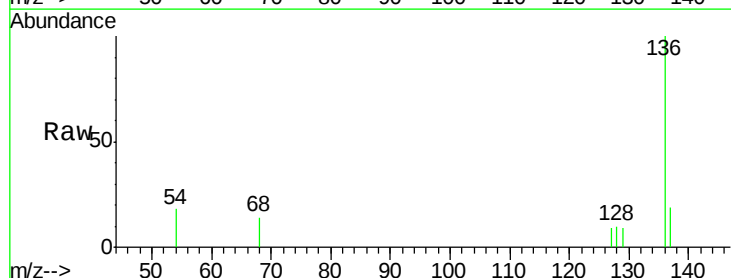
Tgt Ion: 128 Resp: 31

Ion Ratio Lower Upper

128 100

129 89.7 8.5 12.7#

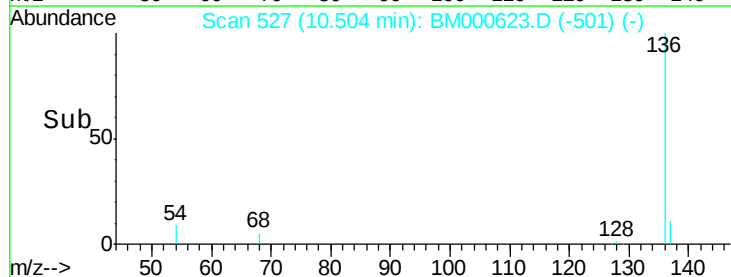
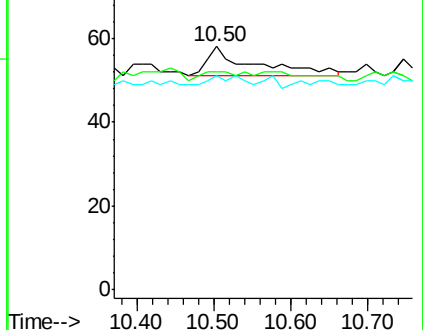
127 87.9 11.0 16.6#

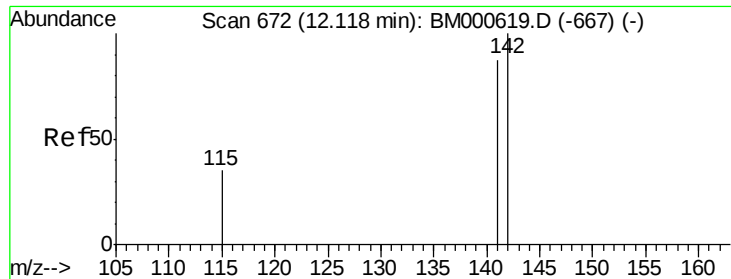


Abundance Ion 128.00 (127.70 to 128.70): BM000623.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000623.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000623.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.16 min Scan# 676

Delta R.T. 0.04 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

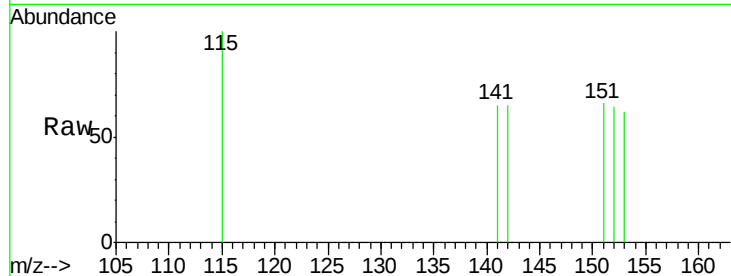
MDL-01-W

Tgt Ion:142 Resp: 7

Ion Ratio Lower Upper

142 100

141 100.0 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

60

50

40

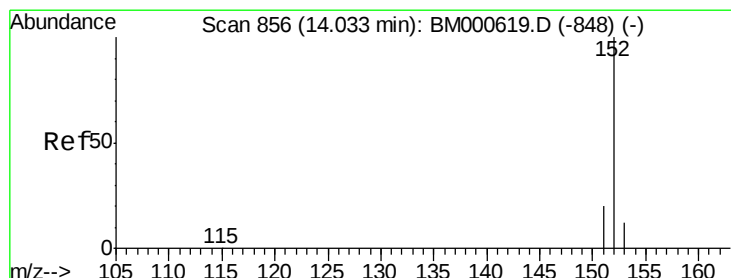
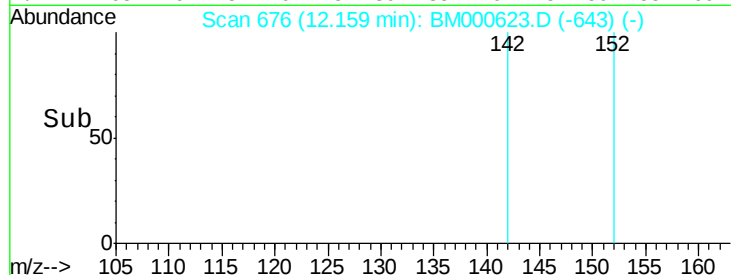
30

20

10

0

Time--> 12.10 12.15 12.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

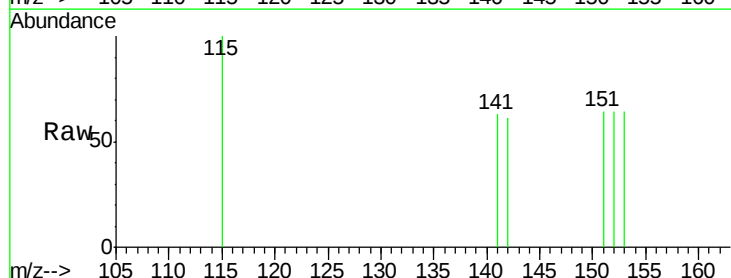
Tgt Ion:152 Resp: 6

Ion Ratio Lower Upper

152 100

151 100.0 16.0 24.0#

153 100.0 10.2 15.4#



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

14.04

60

50

40

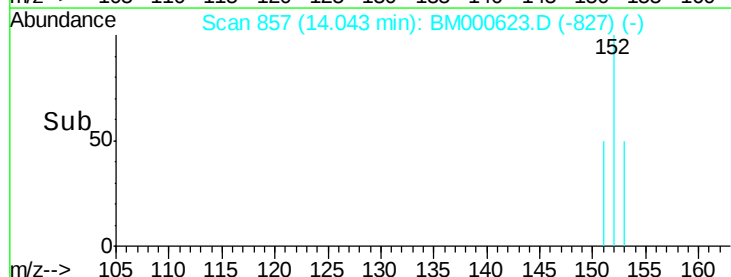
30

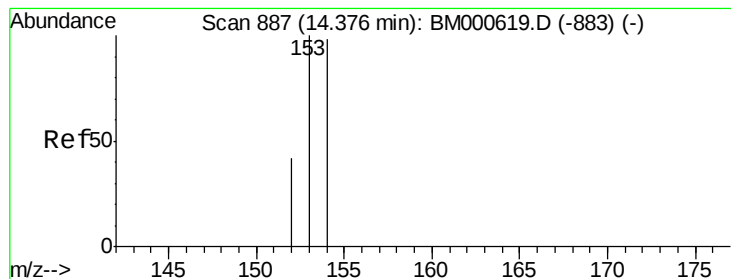
20

10

0

Time--> 14.05 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.31 min Scan# 883

Delta R.T. -0.06 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

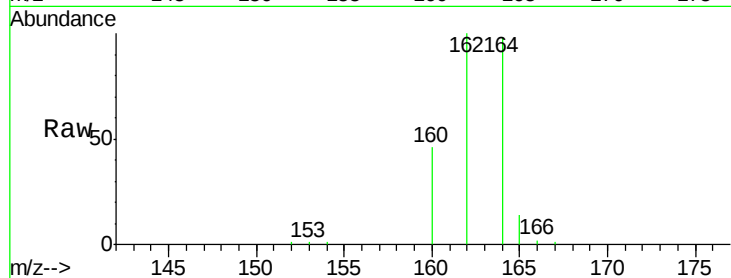
Tgt Ion:153 Resp: 12

Ion Ratio Lower Upper

153 100

152 98.0 34.2 51.2#

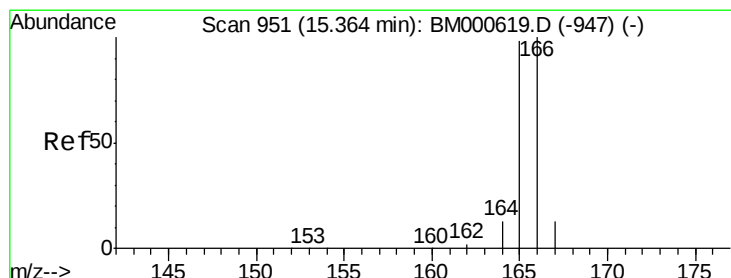
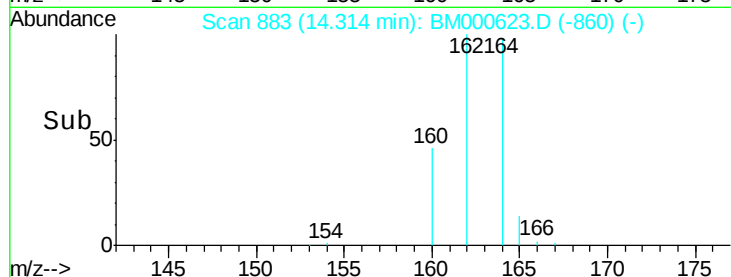
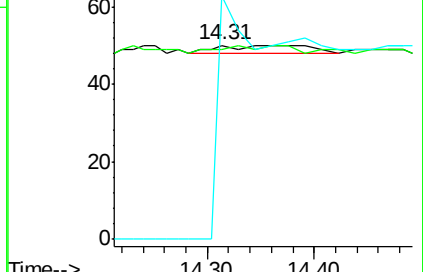
154 126.0 78.8 118.2#



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.40 min Scan# 953

Delta R.T. 0.03 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

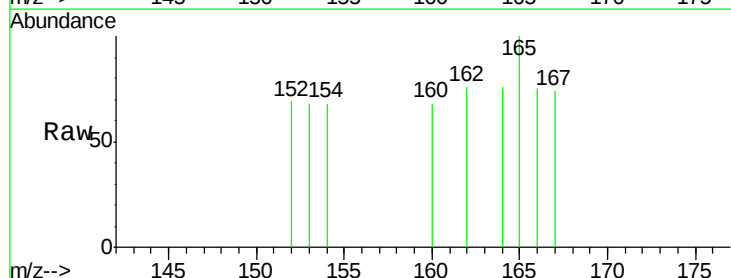
Tgt Ion:166 Resp: 8

Ion Ratio Lower Upper

166 100

165 133.3 78.5 117.7#

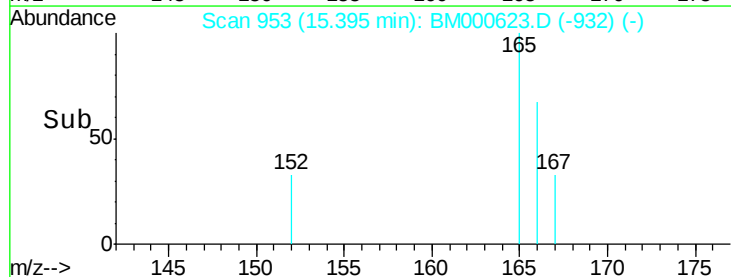
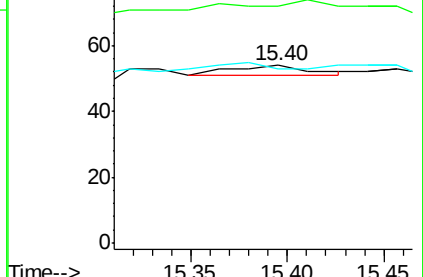
167 98.1 10.6 16.0#

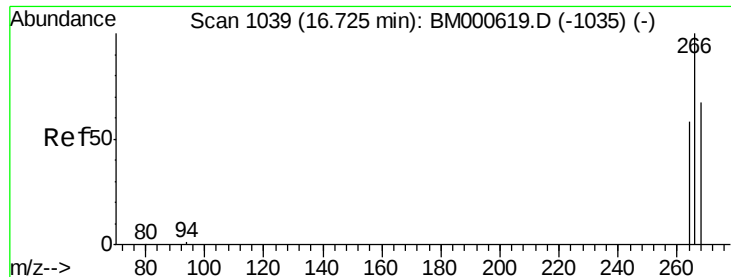


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

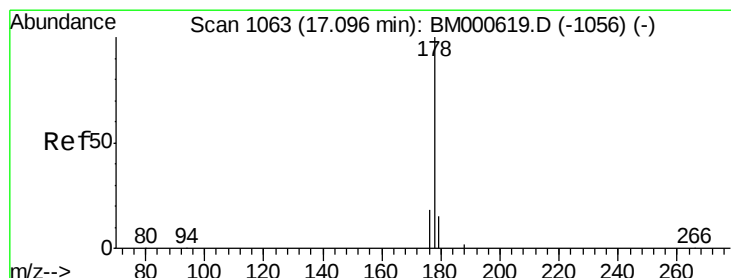
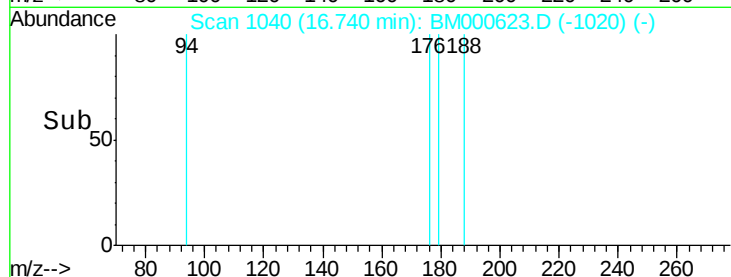
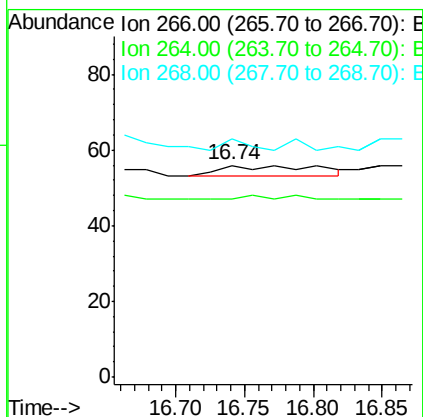
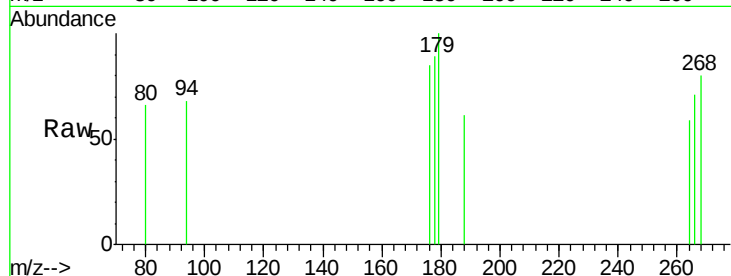




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.74 min Scan# 1040
 Delta R.T. 0.02 min
 Lab File: BM000623.D
 Acq: 03 Mar 2015 19:11

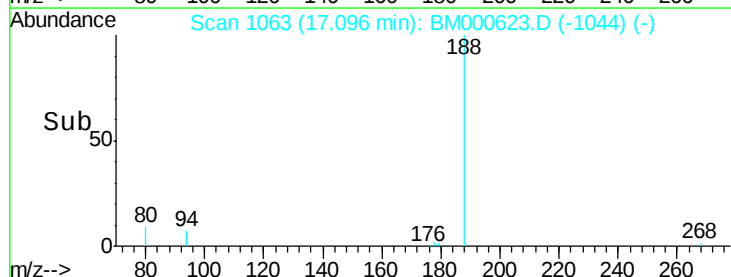
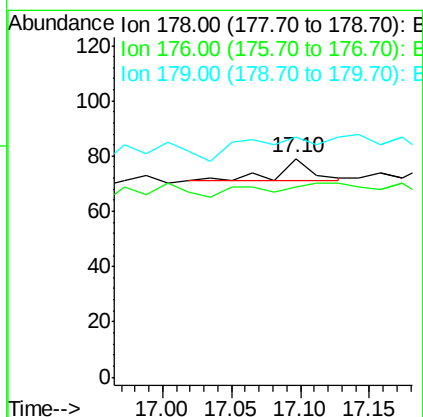
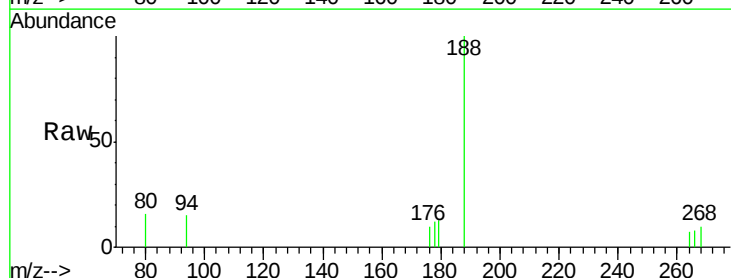
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

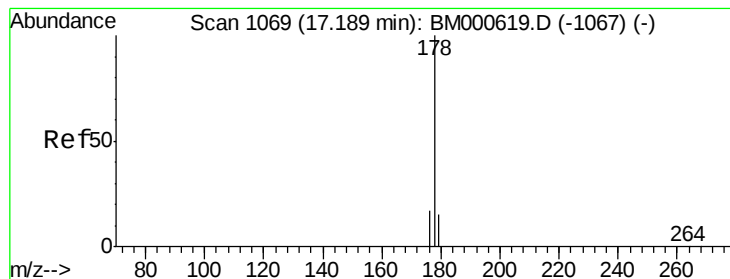
Tgt Ion: 266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 13.3 51.0 76.4#
 268 26.7 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000623.D
 Acq: 03 Mar 2015 19:11

Tgt Ion: 178 Resp: 14
 Ion Ratio Lower Upper
 178 100
 176 87.3 14.8 22.2#
 179 110.1 12.7 19.1#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

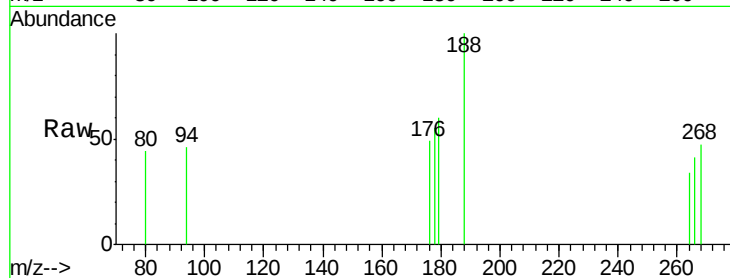
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 89.6 14.2 21.4#

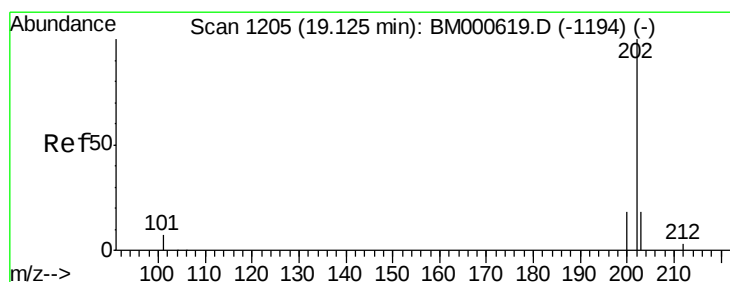
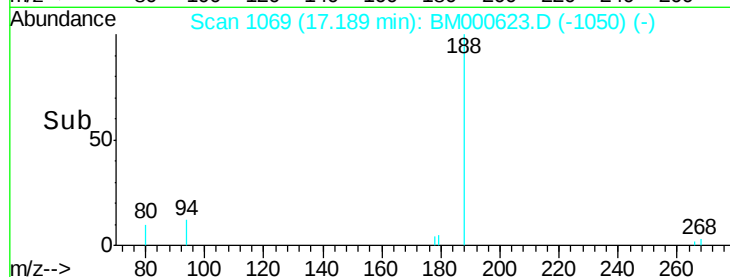
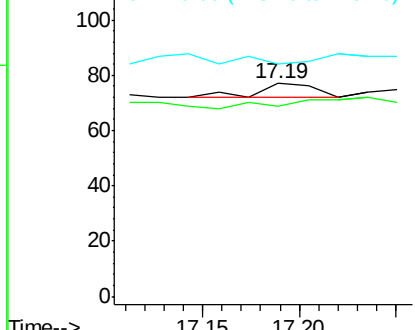
179 109.1 12.8 19.2#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.06 min Scan# 1200

Delta R.T. -0.06 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

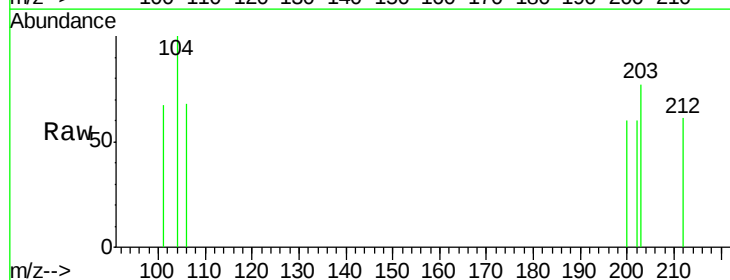
Tgt Ion:202 Resp: 1

Ion Ratio Lower Upper

202 100

101 112.2 0.0 27.0#

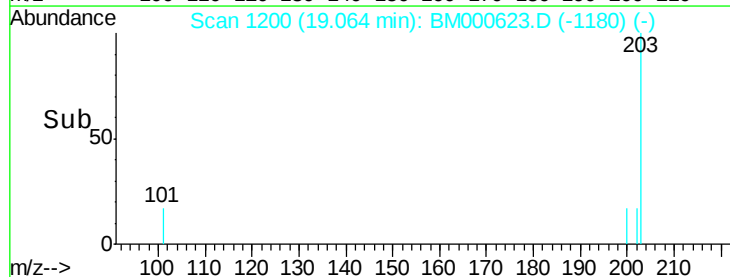
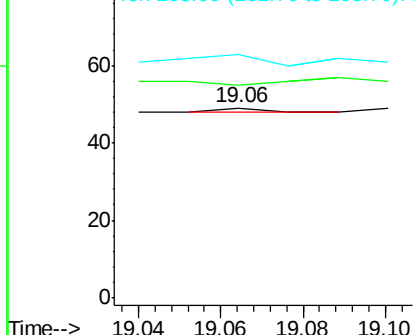
203 128.6 0.0 38.5#

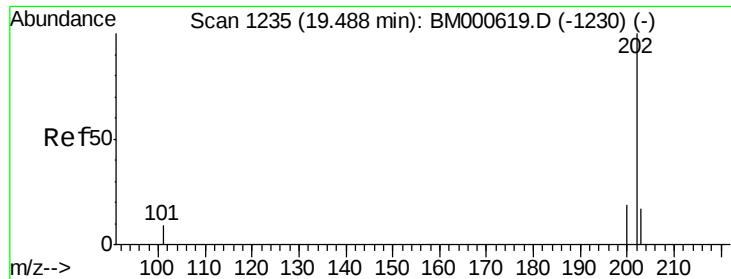


Abundance Ion 202.00 (201.70 to 202.70): E

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: 19.50 min Scan# 1236

Delta R.T. 0.01 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

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ClientSampleId :

MDL-01-W

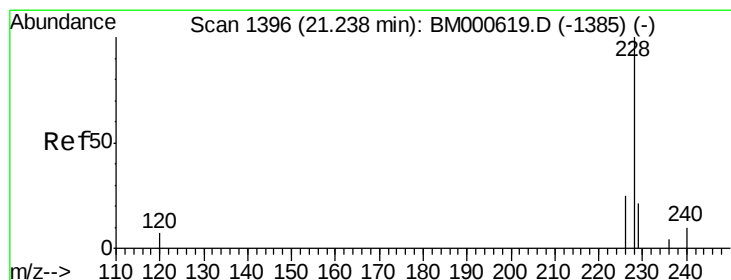
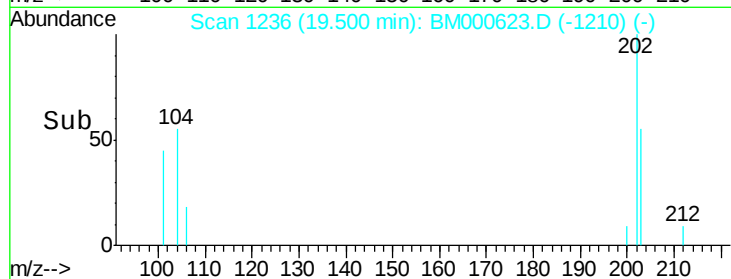
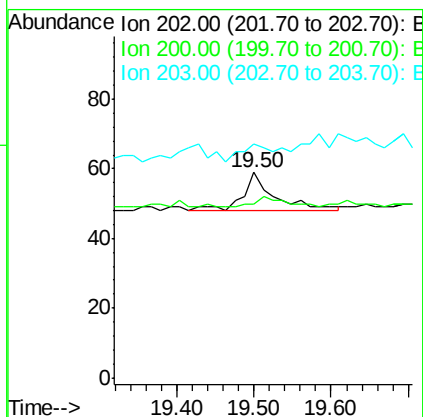
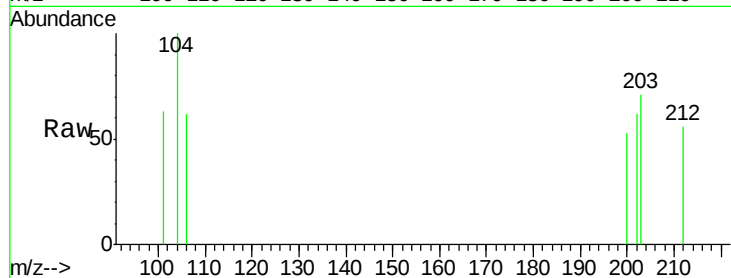
Tgt Ion:202 Resp: 31

Ion Ratio Lower Upper

202 100

200 84.7 15.5 23.3#

203 113.6 14.2 21.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

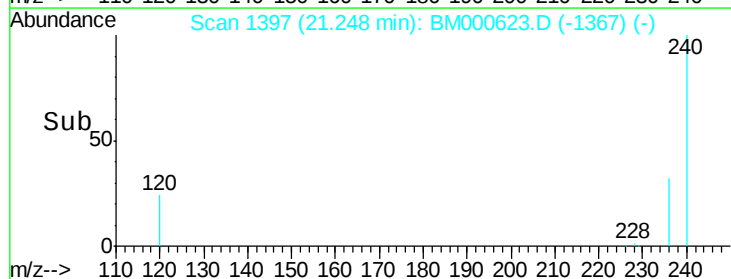
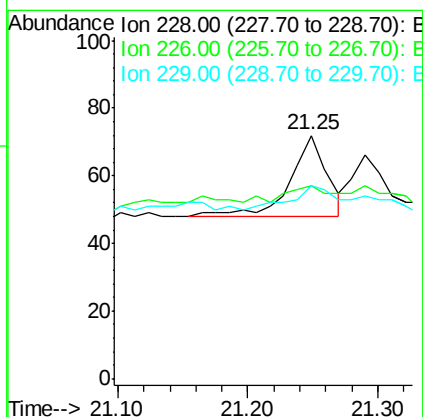
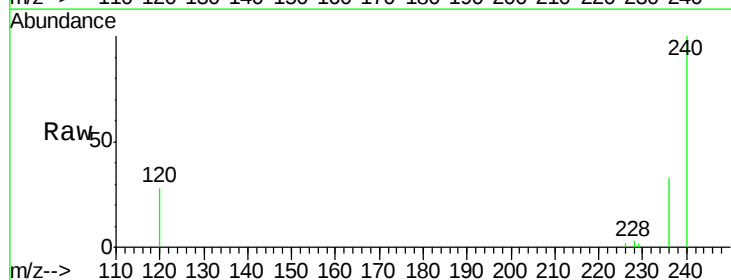
Tgt Ion:228 Resp: 47

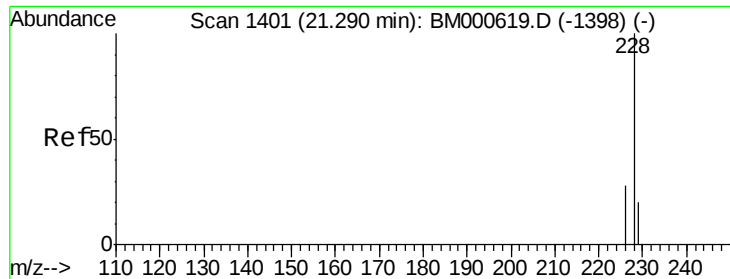
Ion Ratio Lower Upper

228 100

226 79.2 20.0 30.0#

229 79.2 16.7 25.1#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

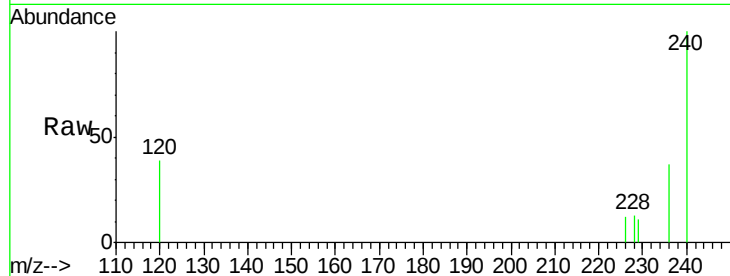
Tgt Ion:228 Resp: 32

Ion Ratio Lower Upper

228 100

226 86.4 22.6 33.8#

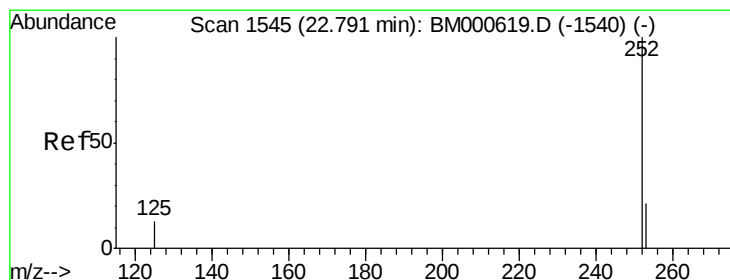
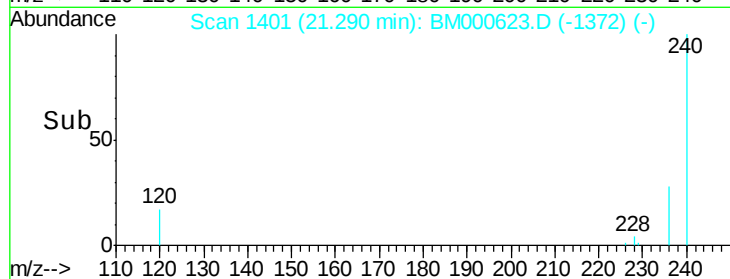
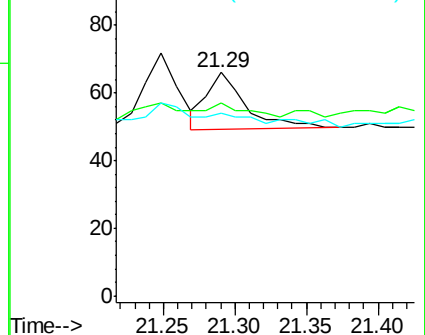
229 81.8 16.4 24.6#



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: 0.03 ng/ul

RT: 22.64 min Scan# 1531

Delta R.T. -0.15 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

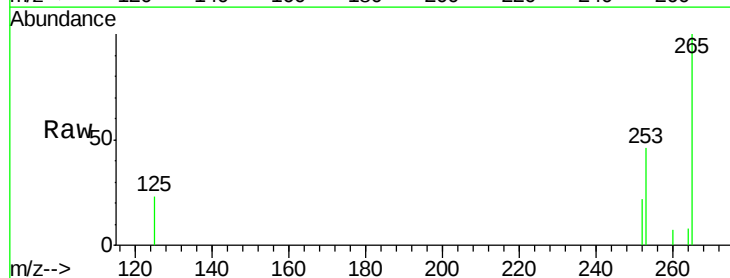
Tgt Ion:252 Resp: 792

Ion Ratio Lower Upper

252 100

253 210.9 0.0 51.2#

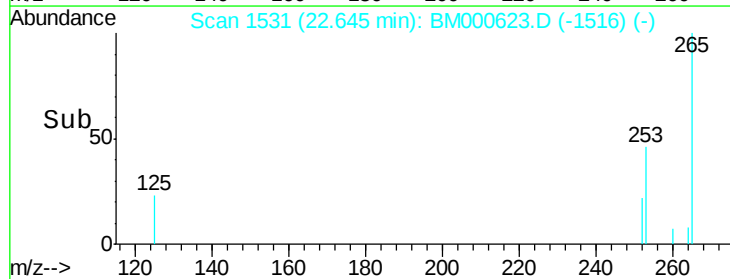
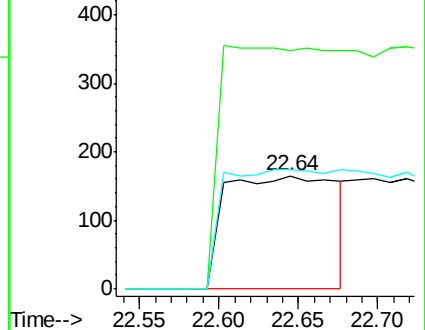
125 105.5 0.0 30.0#

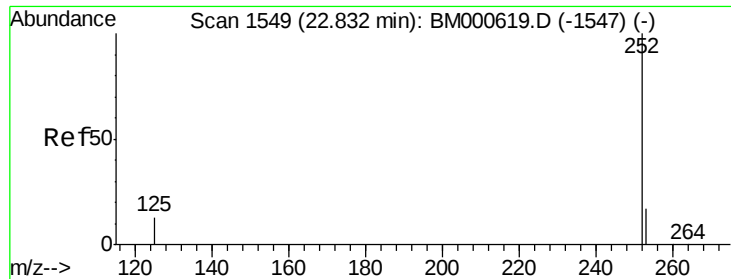


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/u1

RT: 22.64 min Scan# 1531

Delta R.T. -0.19 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

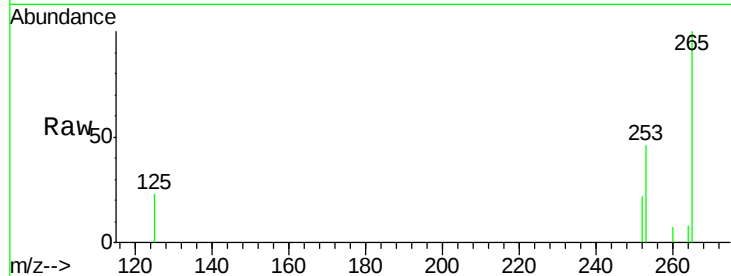
Tgt Ion:252 Resp: 792

Ion Ratio Lower Upper

252 100

253 210.9 20.5 30.7#

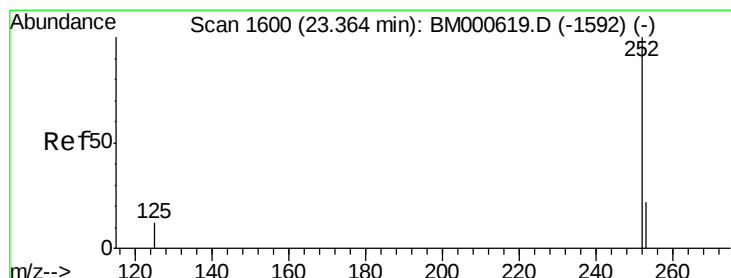
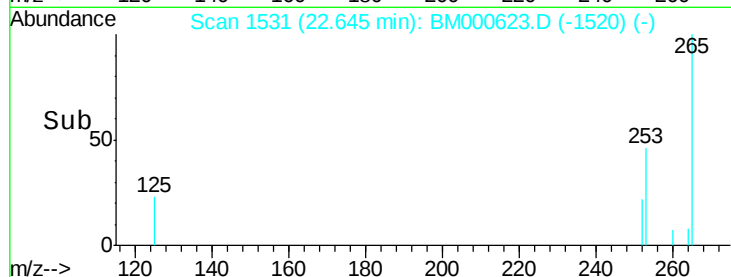
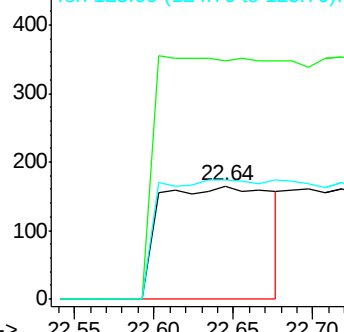
125 105.5 11.8 17.6#



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



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.38 min Scan# 1602

Delta R.T. 0.02 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

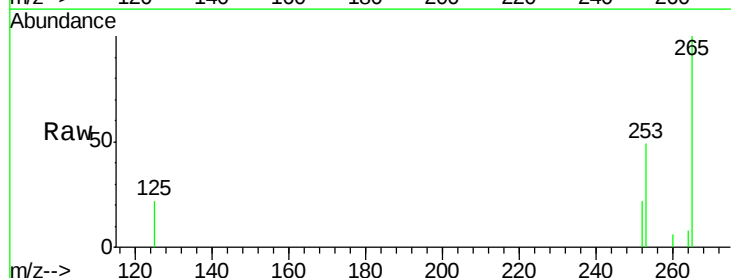
Tgt Ion:252 Resp: 31

Ion Ratio Lower Upper

252 100

253 219.1 23.4 35.0#

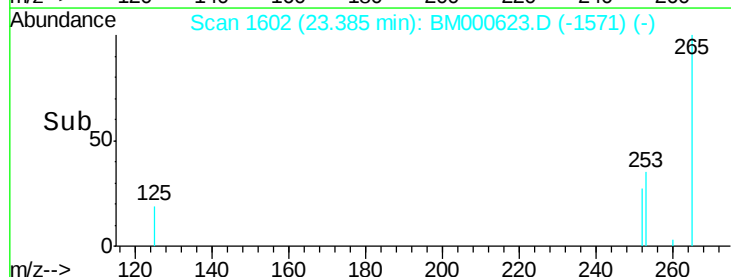
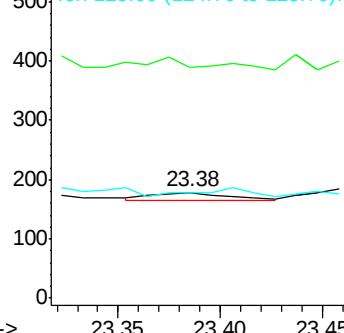
125 100.6 12.2 18.4#

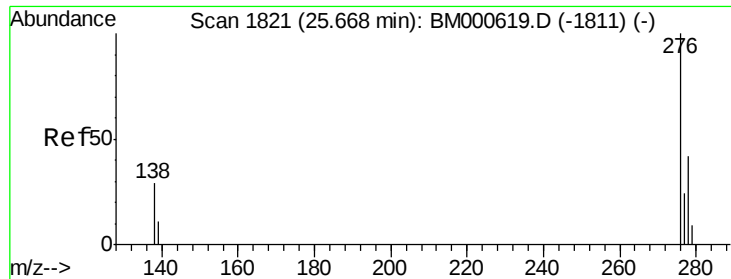


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.04 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

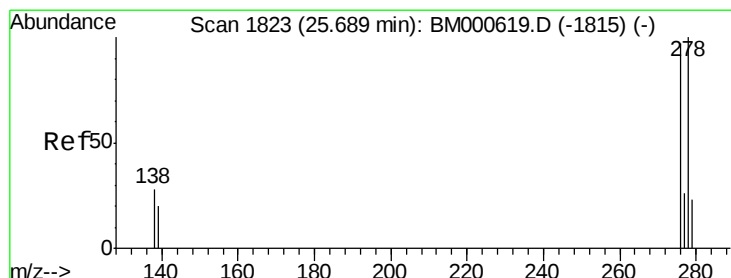
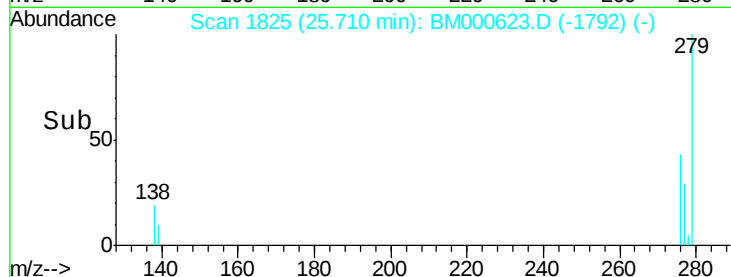
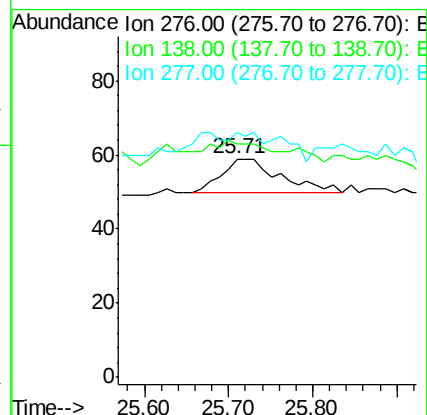
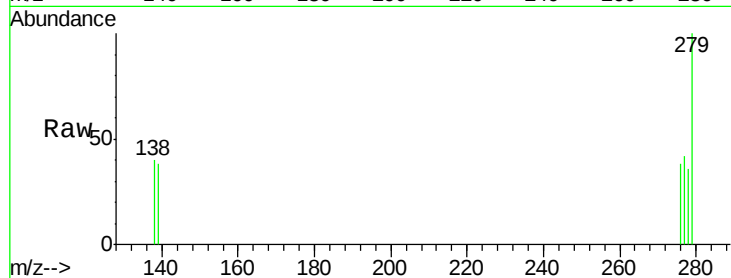
Tgt Ion: 276 Resp: 43

Ion Ratio Lower Upper

276 100

138 25.6 23.8 35.8

277 41.9 19.7 29.5#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.68 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BM000623.D

Acq: 03 Mar 2015 19:11

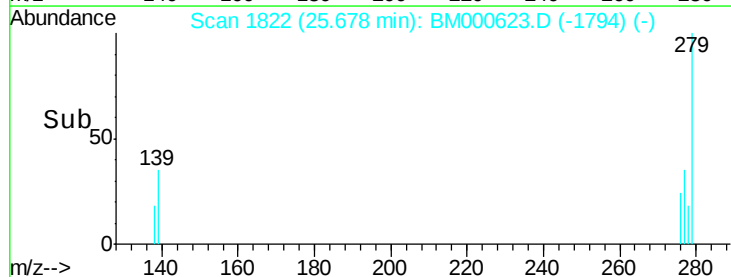
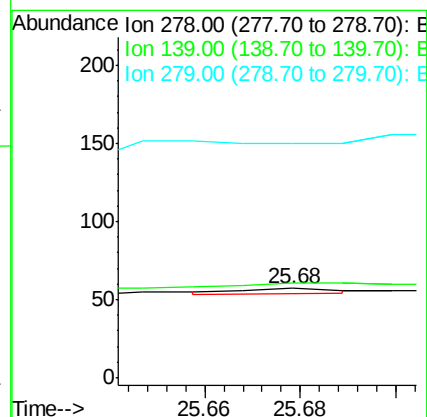
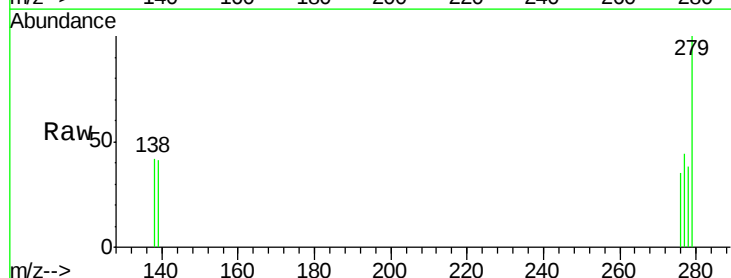
Tgt Ion: 278 Resp: 6

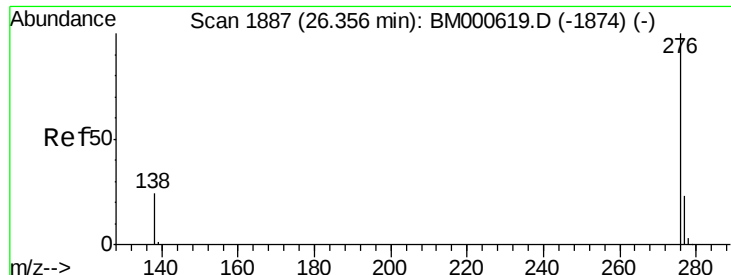
Ion Ratio Lower Upper

278 100

139 107.0 17.0 25.6#

279 263.2 22.3 33.5#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM000623.D

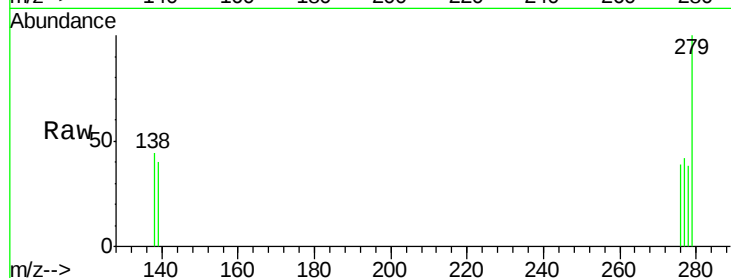
Acq: 03 Mar 2015 19:11

Instrument :

BNA_M

ClientSampleId :

MDL-01-W



Tgt Ion: 276 Resp: 34

Ion Ratio Lower Upper

276 100

277 108.9 19.9 29.9#

138 112.5 20.6 30.8#

