

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000633.D
 Acq On : 04 Mar 2015 02:17
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

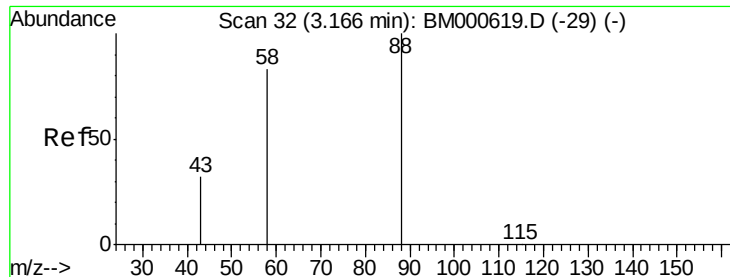
Quant Time: Mar 04 06:16:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 02:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4261	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	14673	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	6956	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	14030	0.40	ng/ul	0.02
18) Chrysene-d12	21.26	240	8579	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	7285	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	5635	1.81	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	6	0.00	ng/ul	0.07
16) Fluoranthene-d10	19.10	212	7	0.00	ng/ul	0.01

Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	4022	0.83	ng/ul#	52
5) Naphthalene	10.50	128	32	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.36	142	6	0.00	ng/ul	87
9) Acenaphthylene	14.04	152	8	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	22	0.00	ng/ul#	76
11) Fluorene	15.38	166	31	0.00	ng/ul#	47
13) Pentachlorophenol	16.71	266	9	0.01	ng/ul#	27
14) Phenanthrene	17.10	178	93	0.00	ng/ul#	1
15) Anthracene	17.20	178	60	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	131	0.00	ng/ul#	1
19) Pyrene	19.50	202	123	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.24	228	104	0.00	ng/ul#	15
21) Chrysene	21.29	228	92	0.00	ng/ul#	23
23) Benzo(b)fluoranthene	22.62	252	420	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.62	252	420	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	119	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	76	0.00	ng/ul#	79
27) Dibenzo(a,h)anthracene	25.73	278	70	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	79	0.00	ng/ul#	1

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



#3

1,4-Dioxane

Concen: 0.83 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

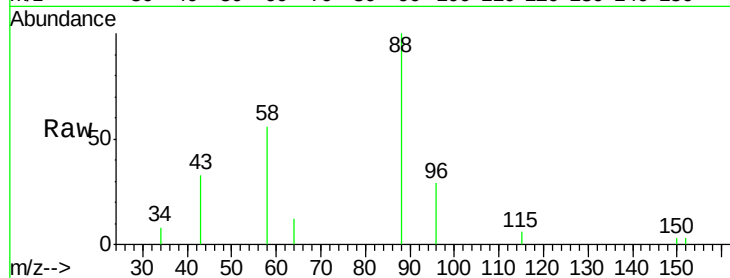
Tgt Ion: 88 Resp: 4022

Ion Ratio Lower Upper

88 100

58 32.5 55.4 83.2#

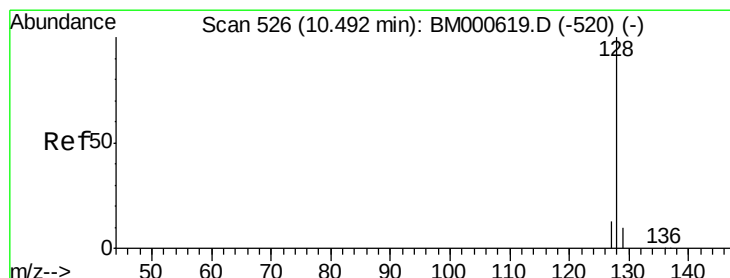
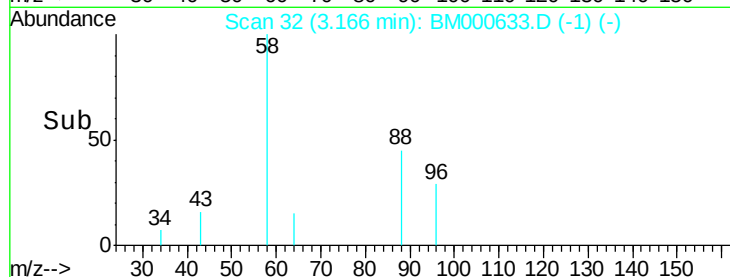
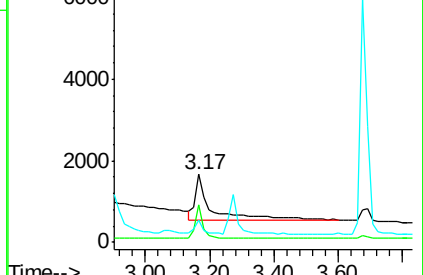
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000633.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000633.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000633.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

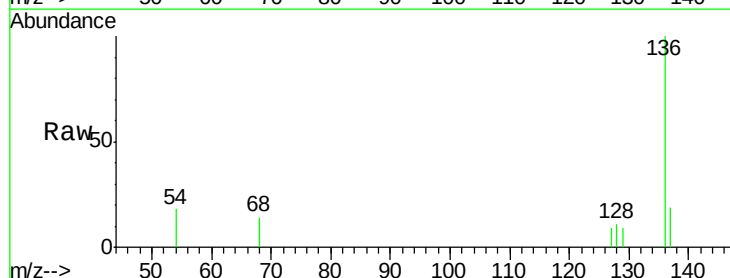
Tgt Ion: 128 Resp: 32

Ion Ratio Lower Upper

128 100

129 82.5 8.5 12.7#

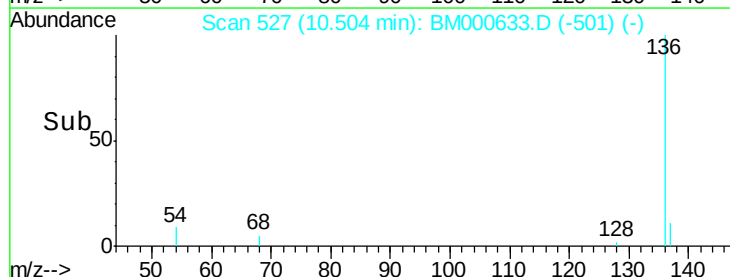
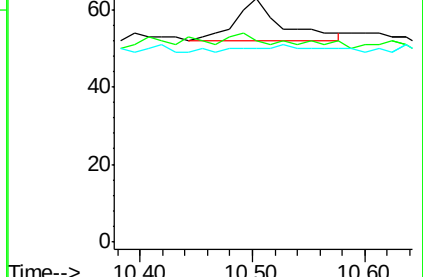
127 79.4 11.0 16.6#

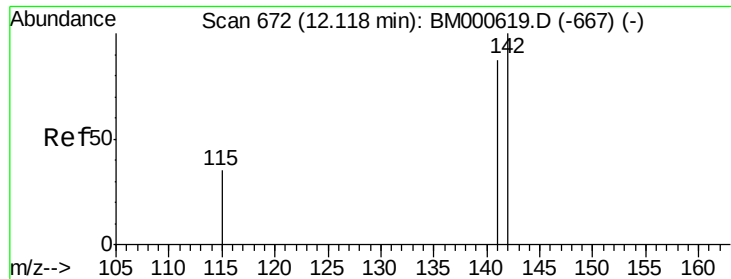


Abundance Ion 128.00 (127.70 to 128.70): BM000633.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000633.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000633.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.36 min Scan# 695

Delta R.T. 0.24 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

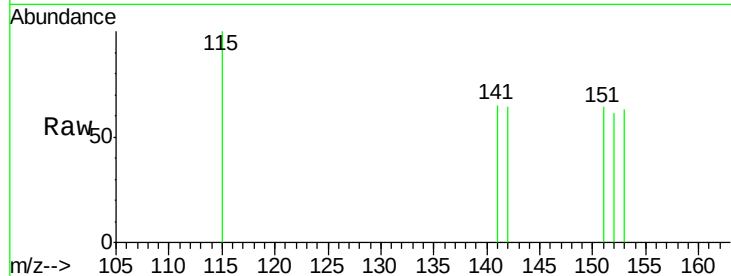
MDL-02-S

Tgt Ion:142 Resp: 6

Ion Ratio Lower Upper

142 100

141 100.0 70.6 106.0

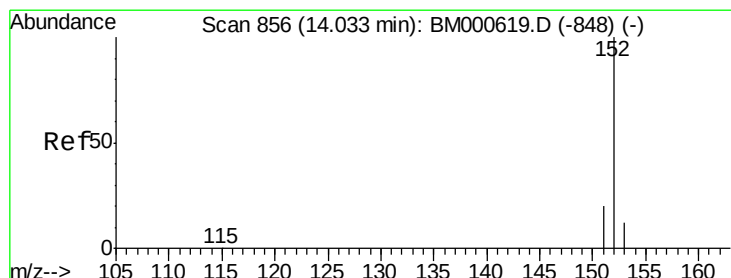
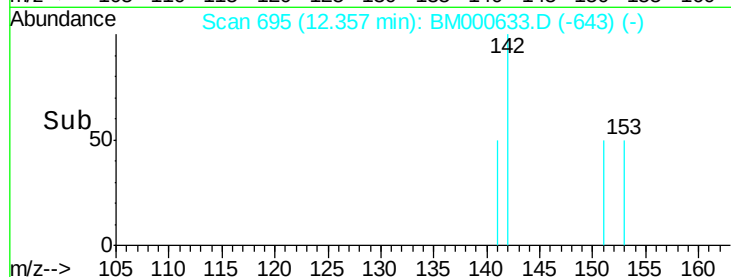


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.36

Time--> 12.30 12.35



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

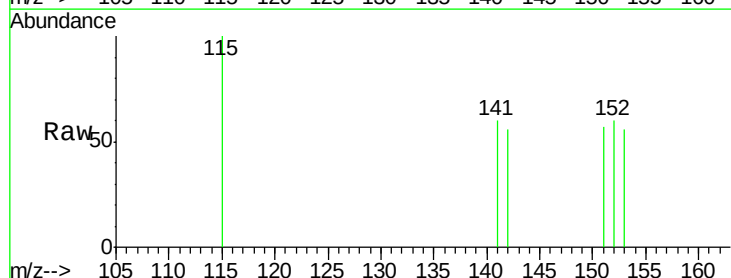
Tgt Ion:152 Resp: 8

Ion Ratio Lower Upper

152 100

151 96.2 16.0 24.0#

153 94.2 10.2 15.4#



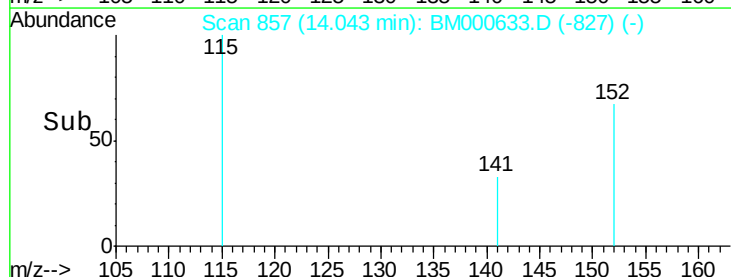
Abundance Ion 152.00 (151.70 to 152.70): E

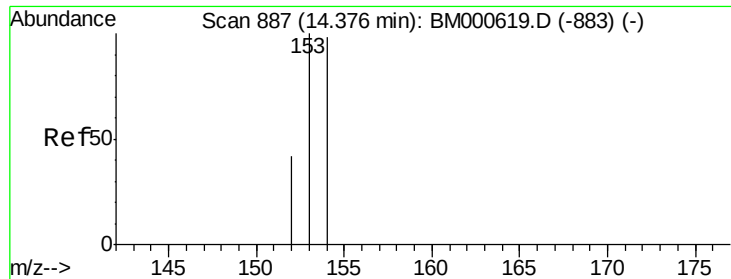
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

Time--> 13.95 14.00 14.05 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

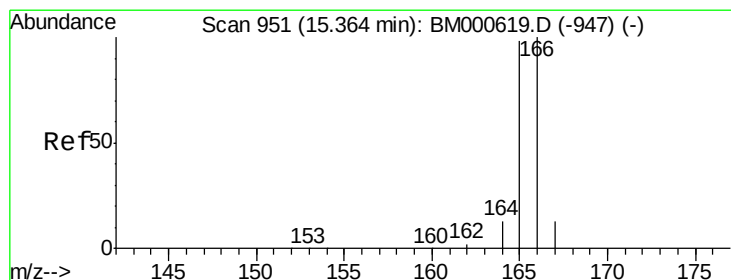
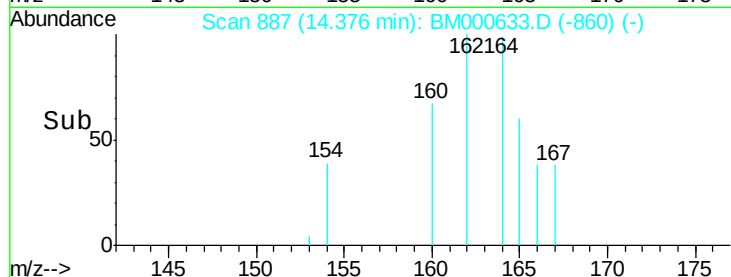
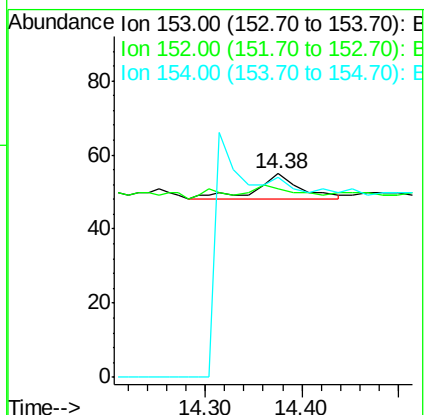
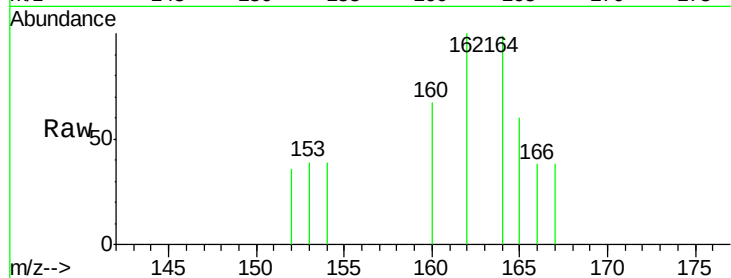
Tgt Ion:153 Resp: 22

Ion Ratio Lower Upper

153 100

152 92.7 34.2 51.2#

154 98.2 78.8 118.2



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.38 min Scan# 952

Delta R.T. 0.02 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

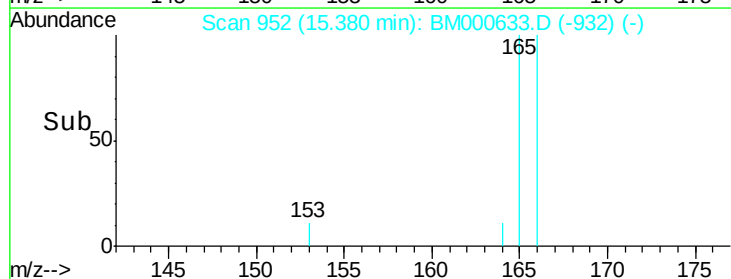
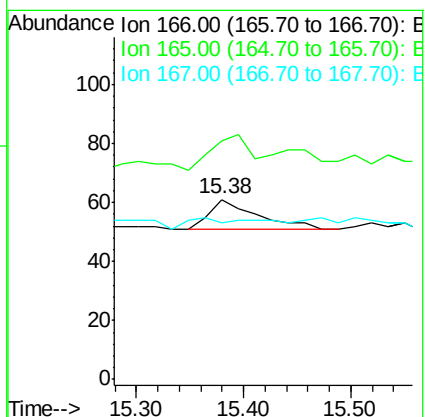
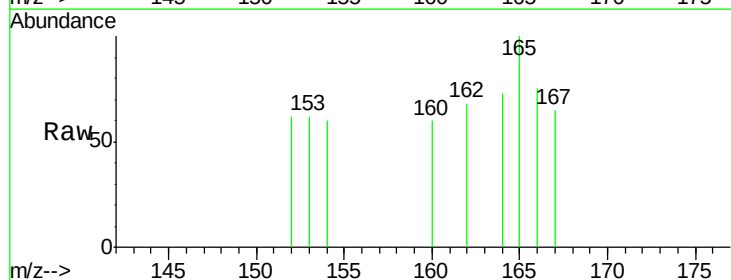
Tgt Ion:166 Resp: 31

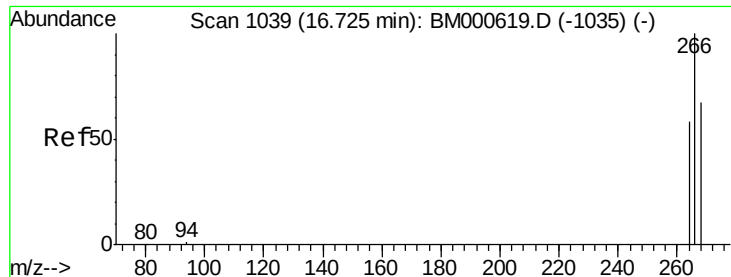
Ion Ratio Lower Upper

166 100

165 132.8 78.5 117.7#

167 86.9 10.6 16.0#

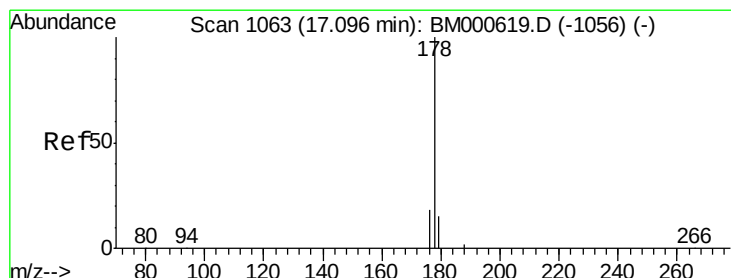
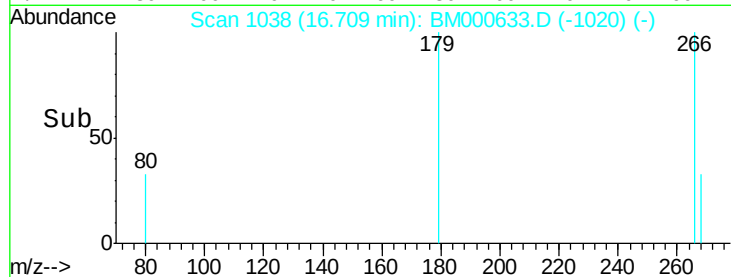
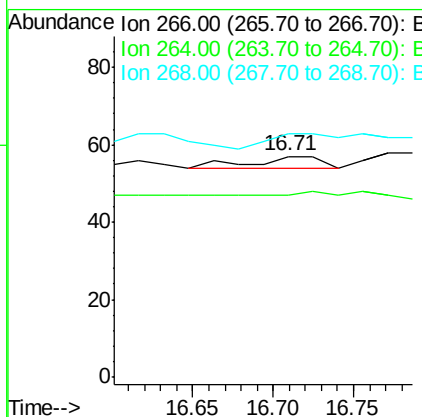
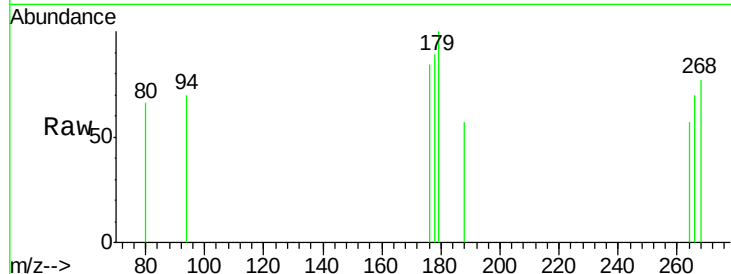




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BM000633.D
 Acq: 04 Mar 2015 02:17

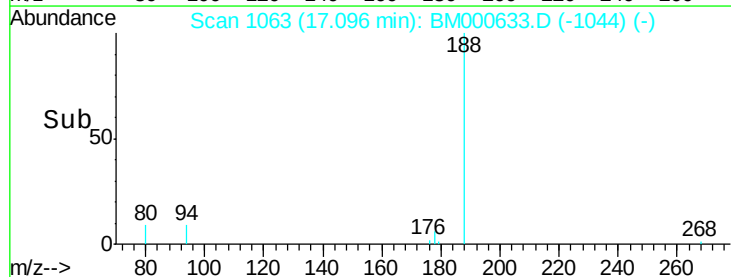
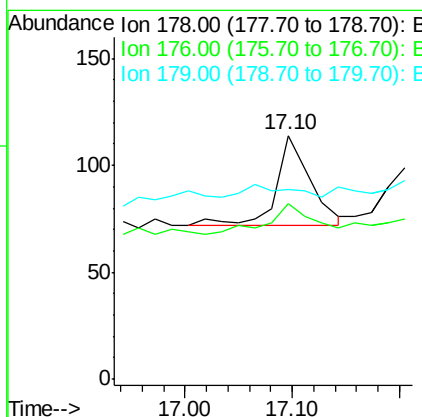
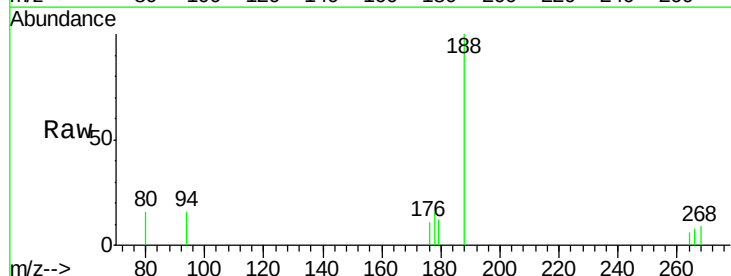
Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

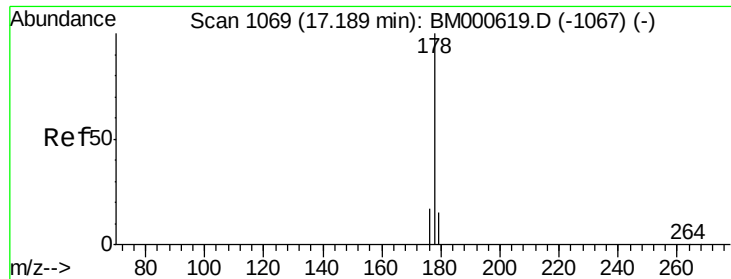
Tgt Ion: 266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 22.2 51.0 76.4#
 268 133.3 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000633.D
 Acq: 04 Mar 2015 02:17

Tgt Ion: 178 Resp: 93
 Ion Ratio Lower Upper
 178 100
 176 71.9 14.8 22.2#
 179 78.1 12.7 19.1#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.20 min Scan# 1070

Delta R.T. 0.02 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampled :

MDL-02-S

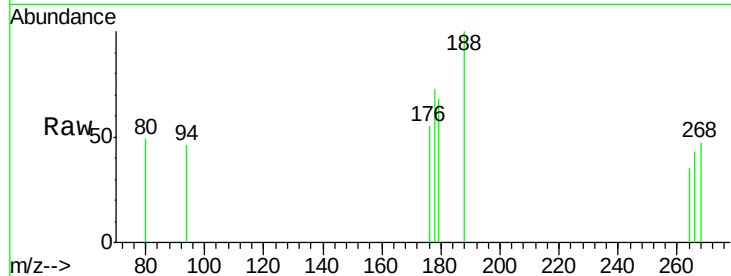
Tgt Ion:178 Resp: 60

Ion Ratio Lower Upper

178 100

176 75.8 14.2 21.4#

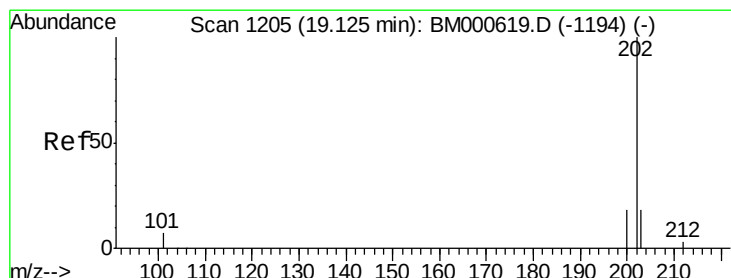
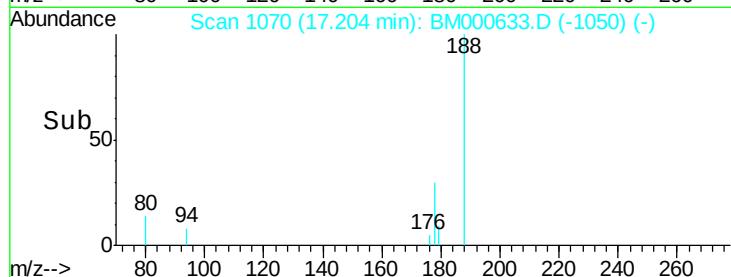
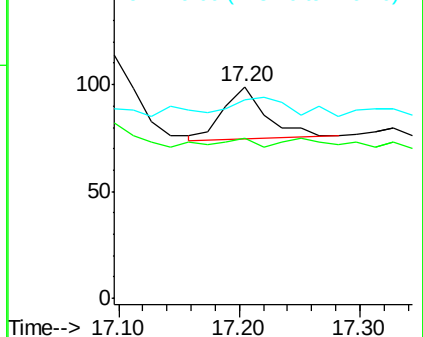
179 93.9 12.8 19.2#



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: 19.14 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

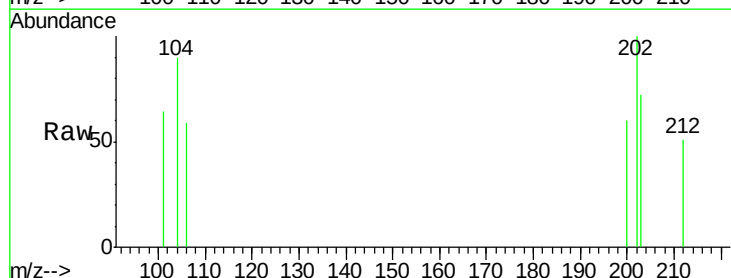
Tgt Ion:202 Resp: 131

Ion Ratio Lower Upper

202 100

101 64.0 0.0 27.0#

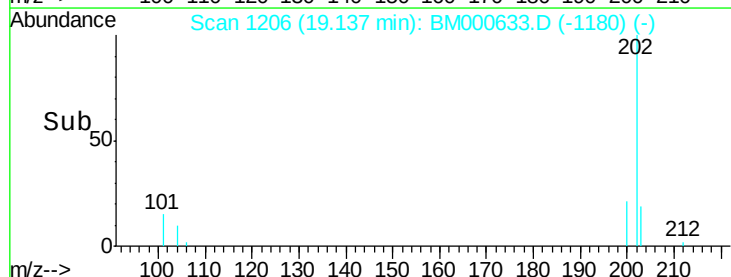
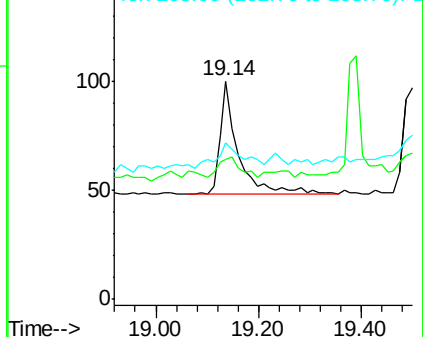
203 72.0 0.0 38.5#

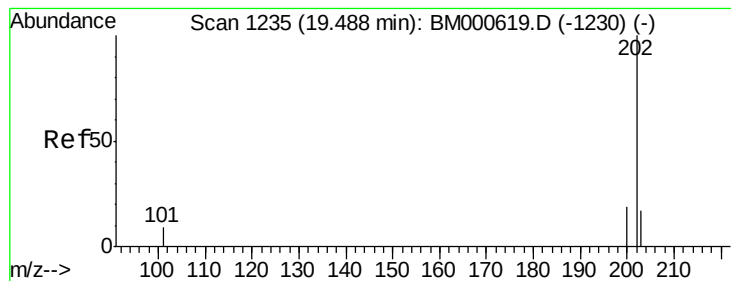


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

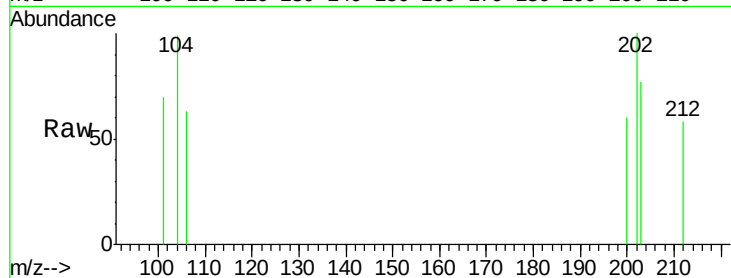
Tgt Ion:202 Resp: 123

Ion Ratio Lower Upper

202 100

200 59.6 15.5 23.3#

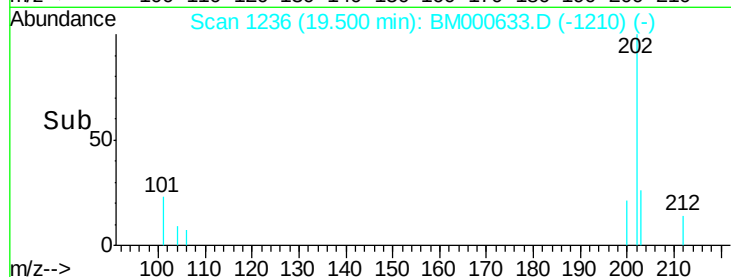
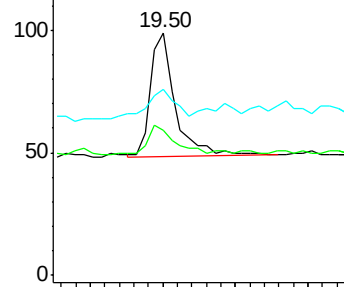
203 76.8 14.2 21.2#



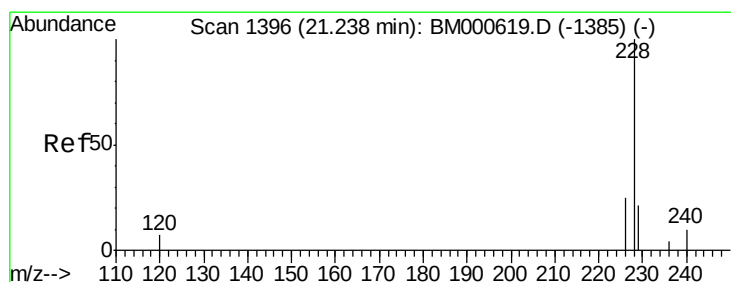
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

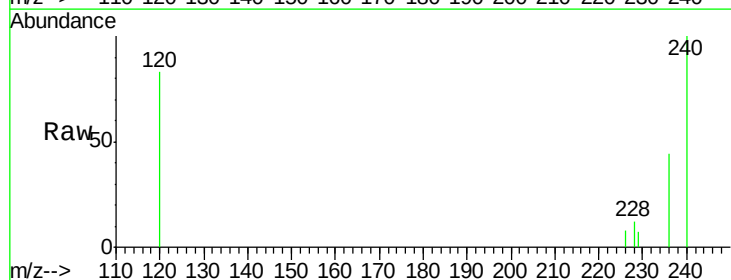
Tgt Ion:228 Resp: 104

Ion Ratio Lower Upper

228 100

226 67.0 20.0 30.0#

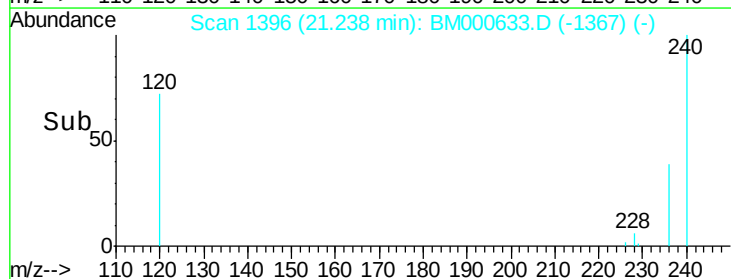
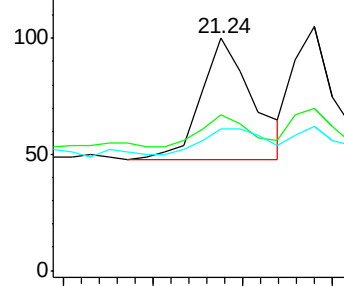
229 61.0 16.7 25.1#



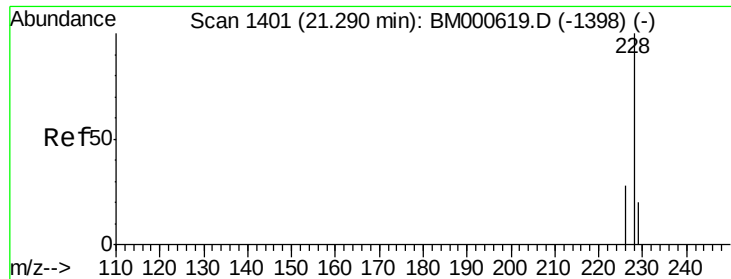
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

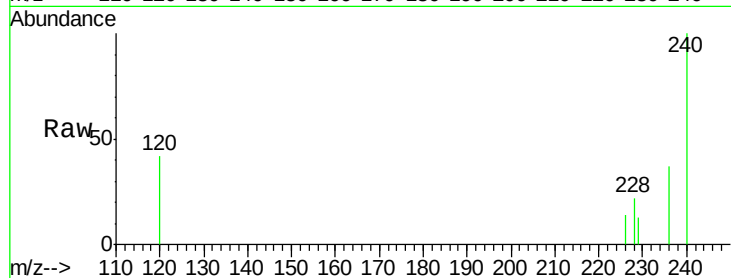
Tgt Ion:228 Resp: 92

Ion Ratio Lower Upper

228 100

226 66.7 22.6 33.8#

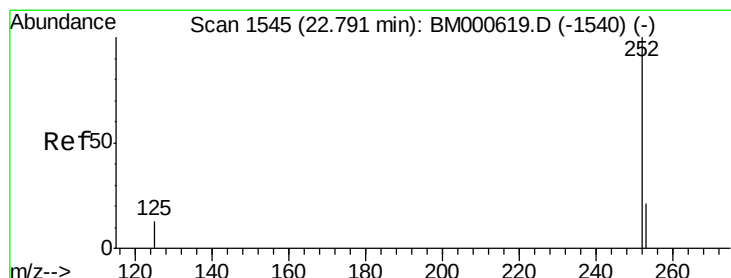
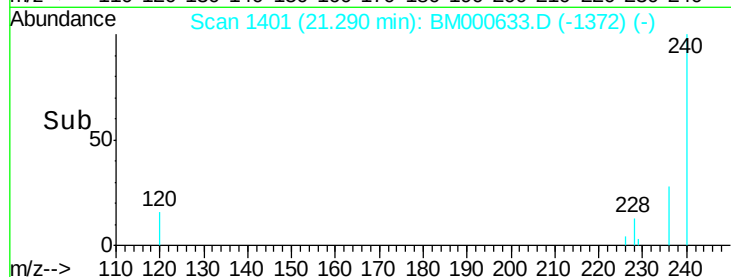
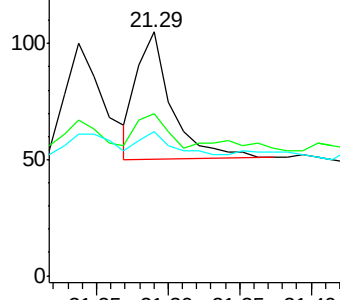
229 59.0 16.4 24.6#



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: 0.02 ng/ul

RT: 22.62 min Scan# 1529

Delta R.T. -0.17 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

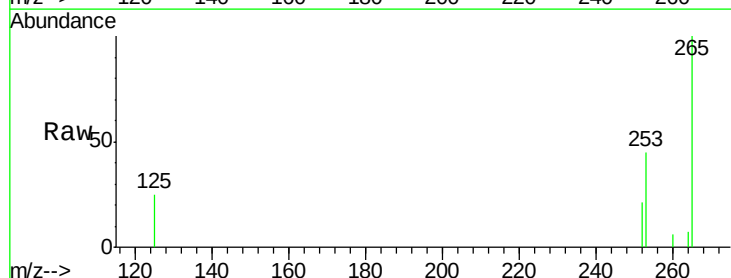
Tgt Ion:252 Resp: 420

Ion Ratio Lower Upper

252 100

253 217.0 0.0 51.2#

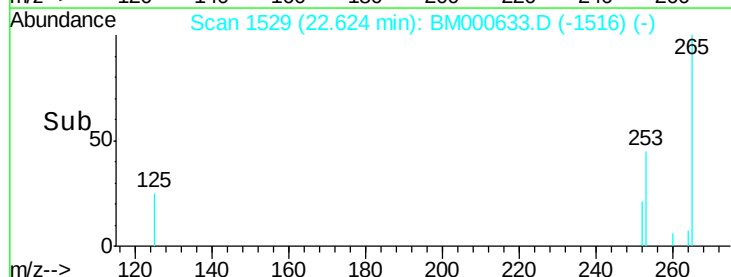
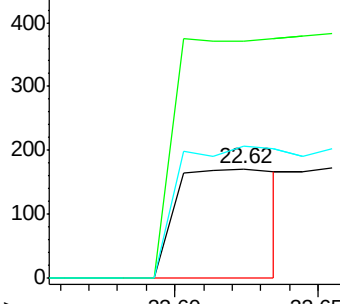
125 120.5 0.0 30.0#

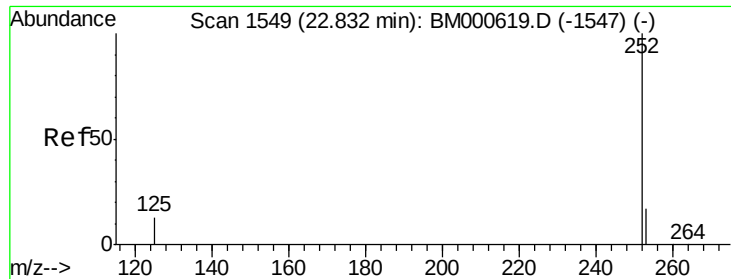


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.62 min Scan# 1529

Delta R.T. -0.21 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

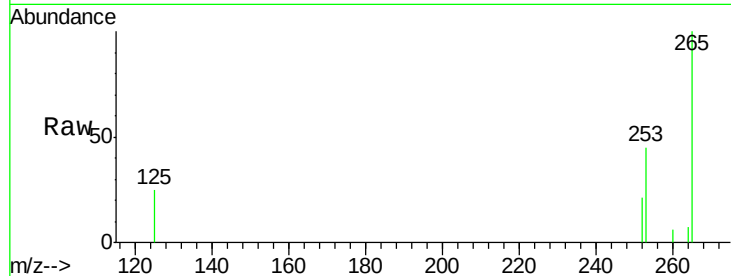
Tgt Ion: 252 Resp: 420

Ion Ratio Lower Upper

252 100

253 217.0 20.5 30.7#

125 120.5 11.8 17.6#

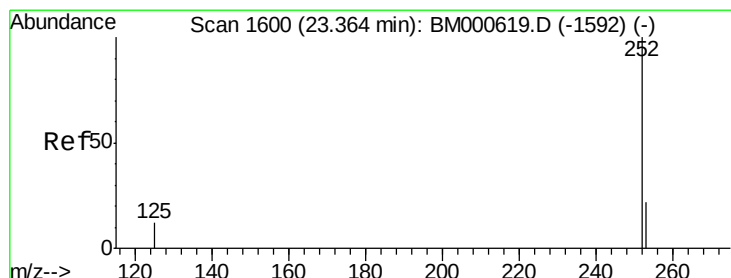
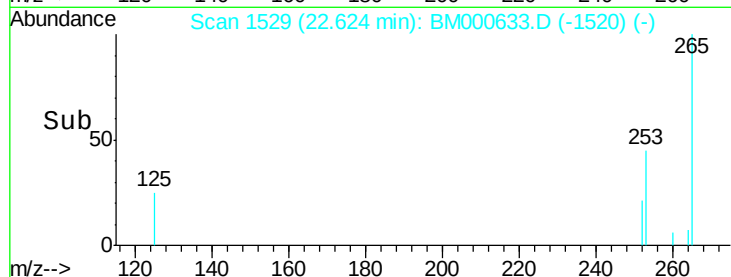
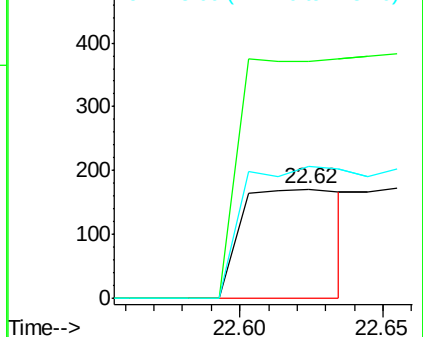


Abundance

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/ul

RT: 23.36 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

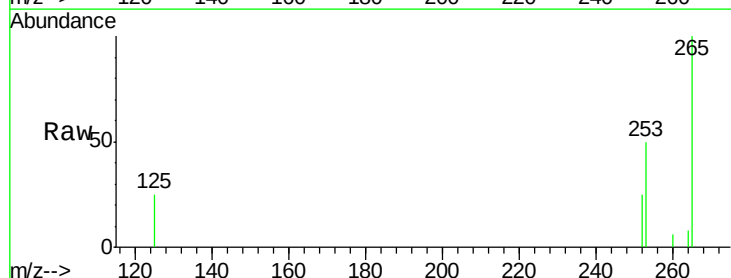
Tgt Ion: 252 Resp: 119

Ion Ratio Lower Upper

252 100

253 199.0 23.4 35.0#

125 98.6 12.2 18.4#

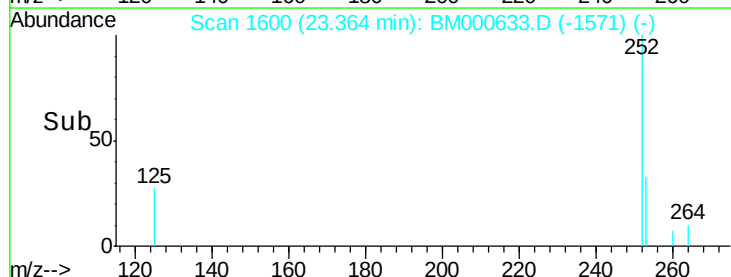
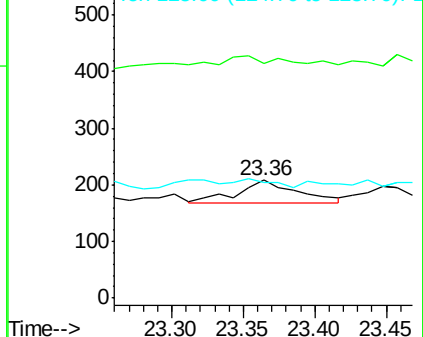


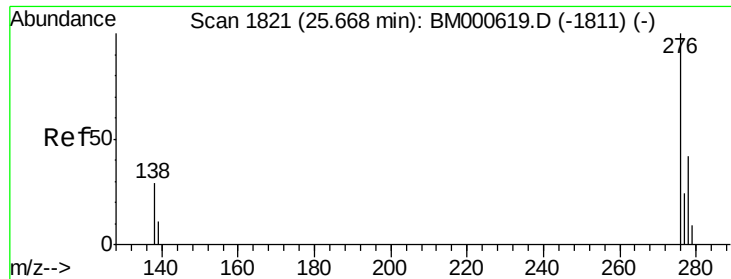
Abundance

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: BM000633.D

Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

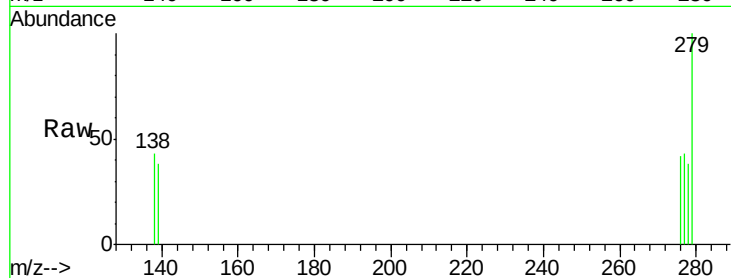
Tgt Ion: 276 Resp: 76

Ion Ratio Lower Upper

276 100

138 25.0 23.8 35.8

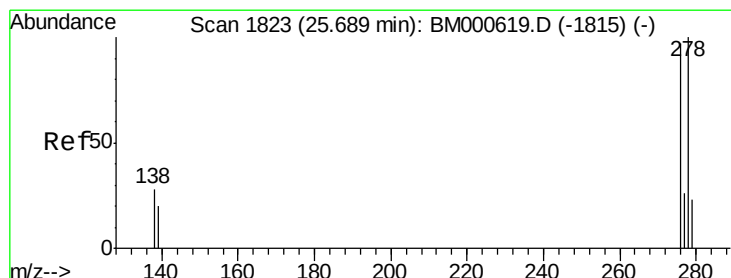
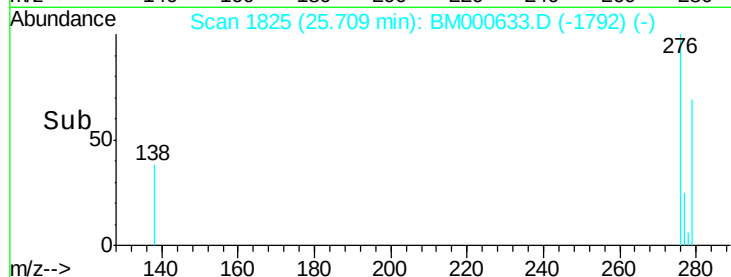
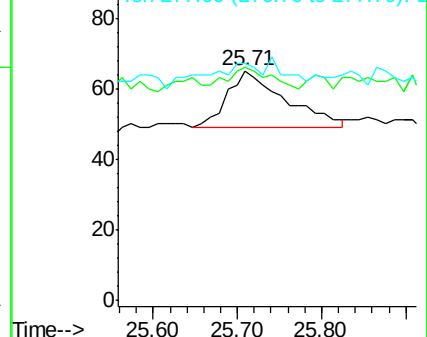
277 42.1 19.7 29.5#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1827

Delta R.T. 0.04 min

Lab File: BM000633.D

Acq: 04 Mar 2015 02:17

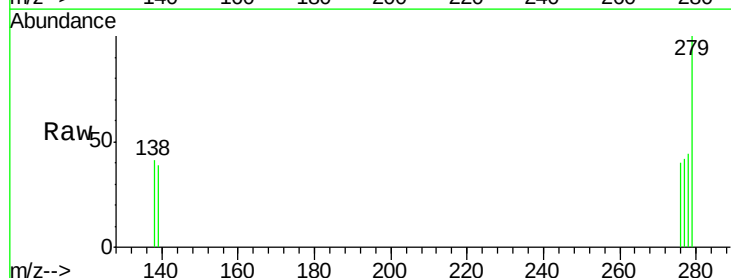
Tgt Ion: 278 Resp: 70

Ion Ratio Lower Upper

278 100

139 89.6 17.0 25.6#

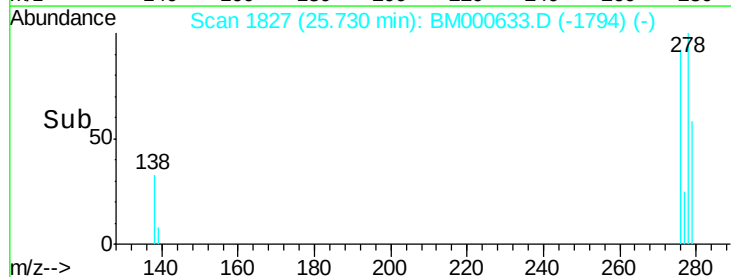
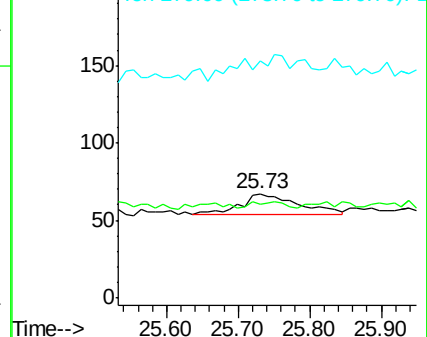
279 228.4 22.3 33.5#

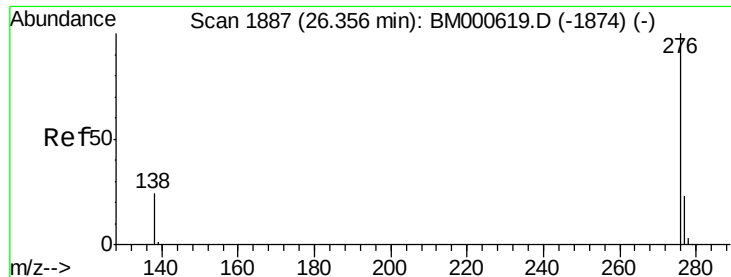


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.38 min Scan# 1889

Delta R.T. 0.02 min

Lab File: BM000633.D

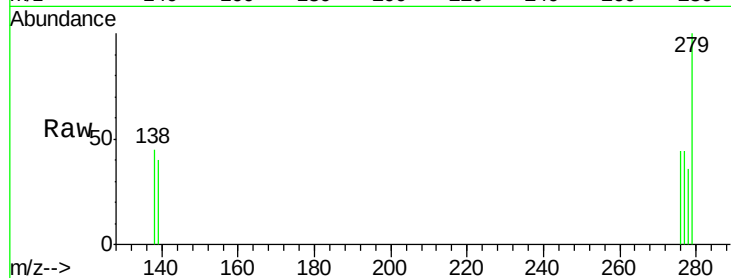
Acq: 04 Mar 2015 02:17

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



Tgt Ion: 276 Resp: 79

Ion Ratio Lower Upper

276 100

277 100.0 19.9 29.9#

138 101.5 20.6 30.8#

