

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000636.D
 Acq On : 04 Mar 2015 04:04
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Mar 04 06:18:10 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	4694	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16240	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	7719	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	17257	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	9861	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	7930	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	6677	1.95	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	2	0.00	ng/ul	0.00
16) Fluoranthene-d10	19.11	212	11	0.00	ng/ul	0.02

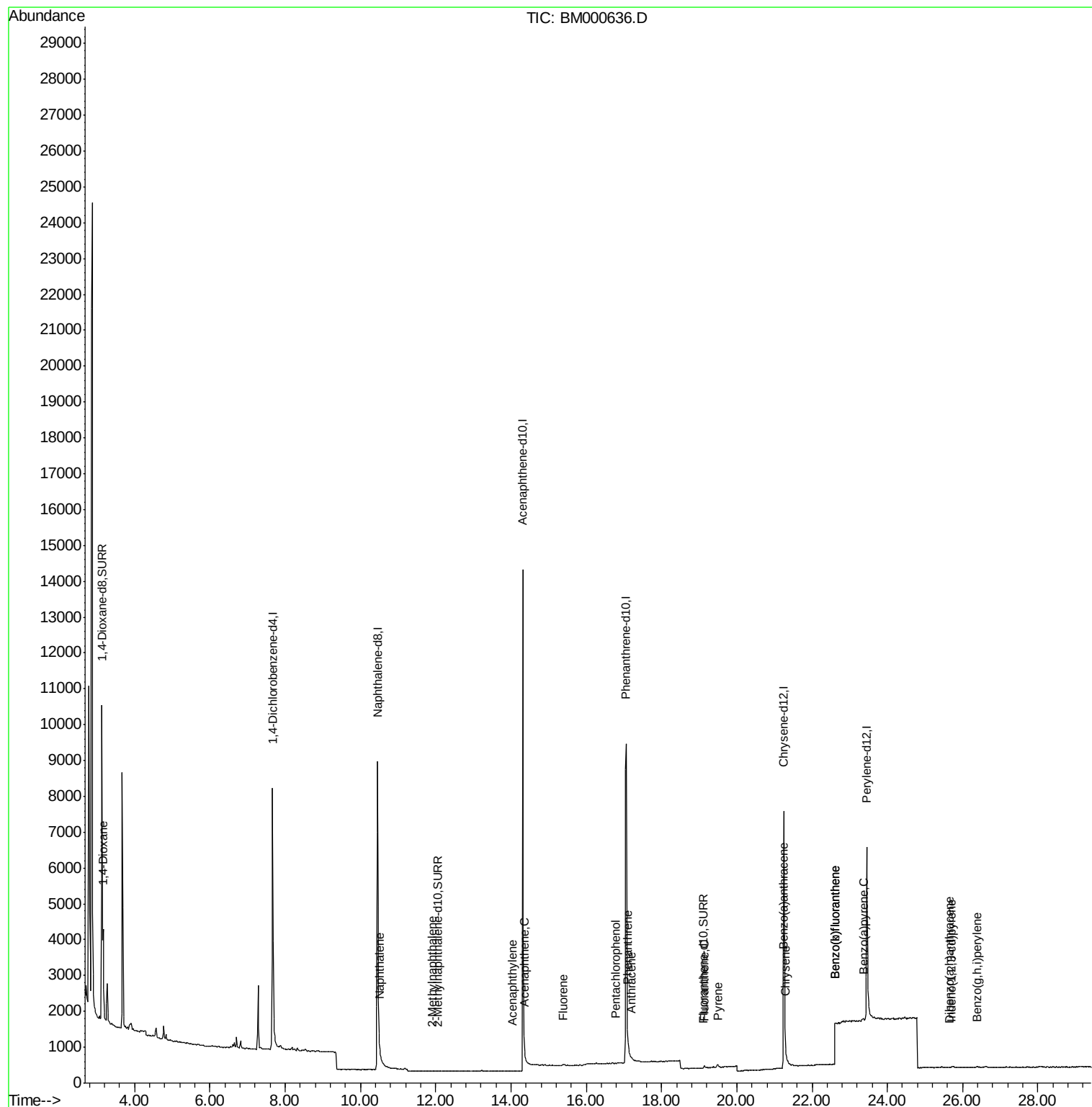
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	4536	0.85	ng/ul#	49
5) Naphthalene	10.50	128	28	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.90	142	2	0.00	ng/ul	87
9) Acenaphthylene	14.03	152	11	0.00	ng/ul#	1
10) Acenaphthene	14.36	153	16	0.00	ng/ul#	73
11) Fluorene	15.38	166	32	0.00	ng/ul#	39
13) Pentachlorophenol	16.77	266	11	0.01	ng/ul#	43
14) Phenanthrene	17.10	178	125	0.00	ng/ul#	1
15) Anthracene	17.20	178	66	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	105	0.00	ng/ul#	1
19) Pyrene	19.50	202	106	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.24	228	91	0.00	ng/ul#	8
21) Chrysene	21.29	228	84	0.00	ng/ul#	8
23) Benzo(b)fluoranthene	22.60	252	726	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.60	252	726	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	53	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	69	0.00	ng/ul#	61
27) Dibenzo(a,h)anthracene	25.66	278	4	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	63	0.00	ng/ul#	1

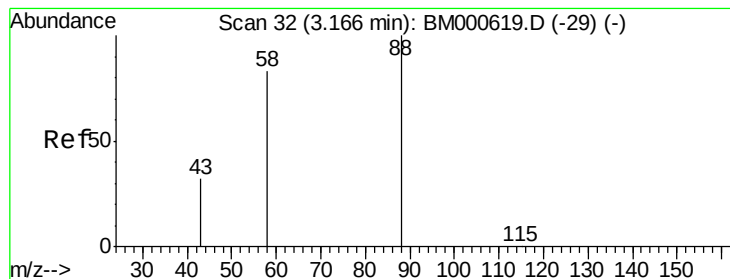
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
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Quant Time: Mar 04 06:18:10 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





#3

1,4-Dioxane

Concen: 0.85 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

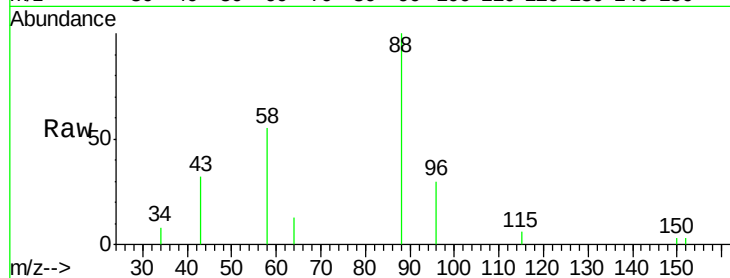
Tgt Ion: 88 Resp: 4536

Ion Ratio Lower Upper

88 100

58 29.5 55.4 83.2#

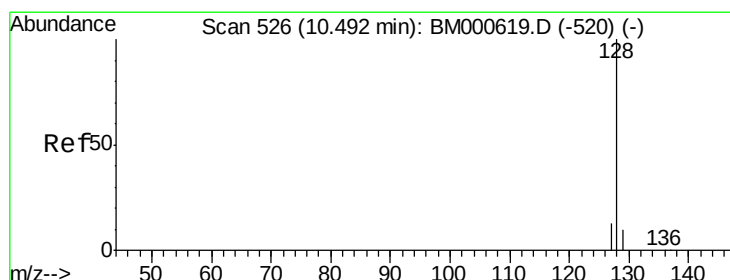
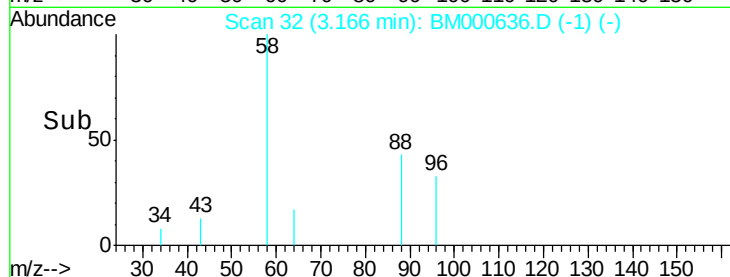
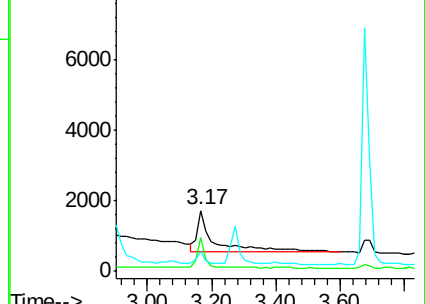
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000636.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000636.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000636.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

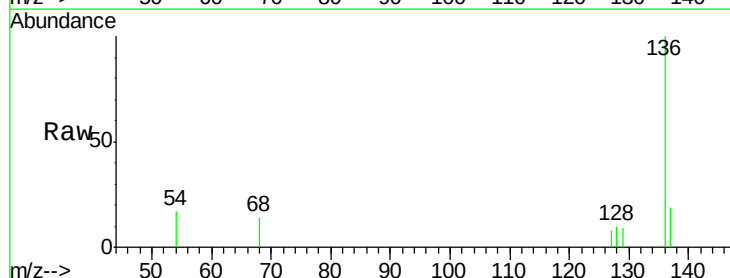
Tgt Ion: 128 Resp: 28

Ion Ratio Lower Upper

128 100

129 84.1 8.5 12.7#

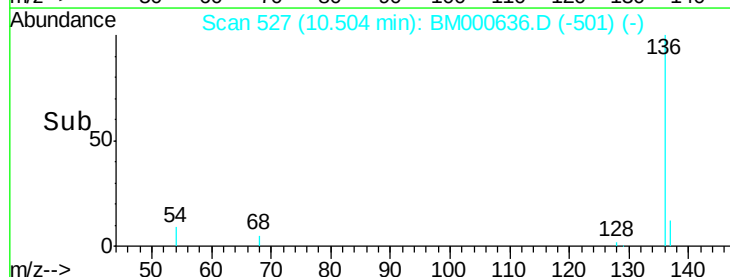
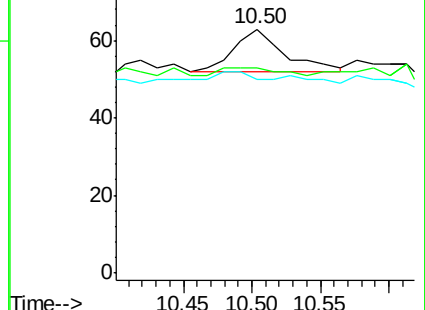
127 79.4 11.0 16.6#

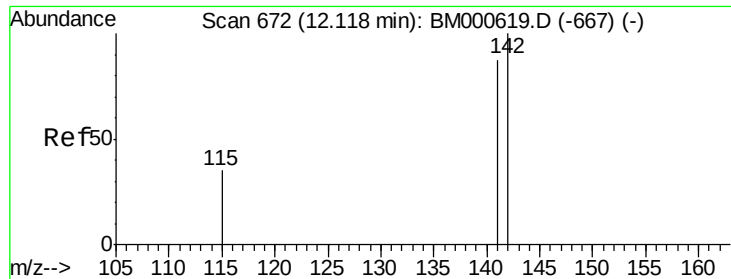


Abundance Ion 128.00 (127.70 to 128.70): BM000636.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000636.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000636.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.90 min Scan# 651

Delta R.T. -0.22 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

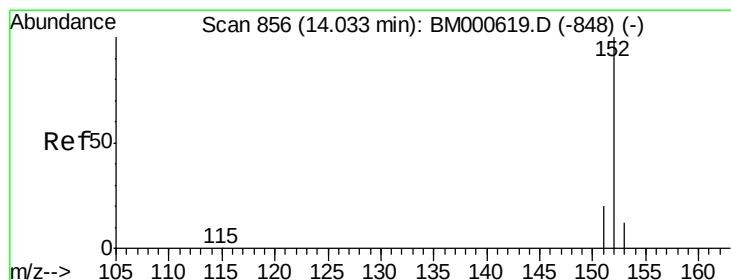
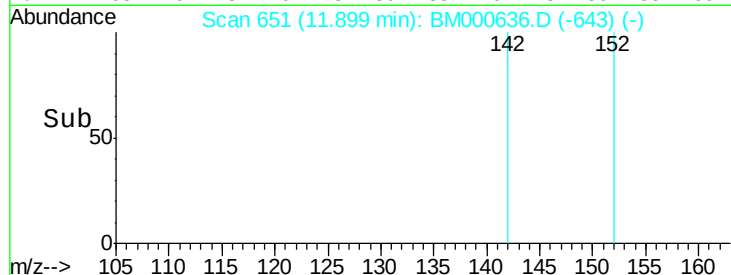
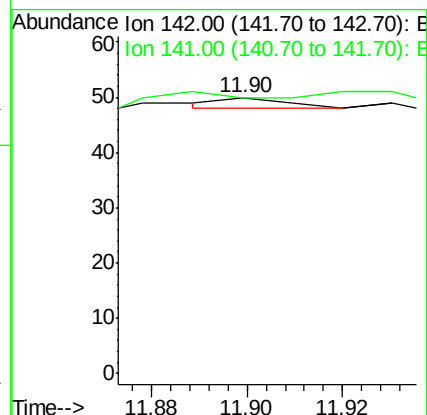
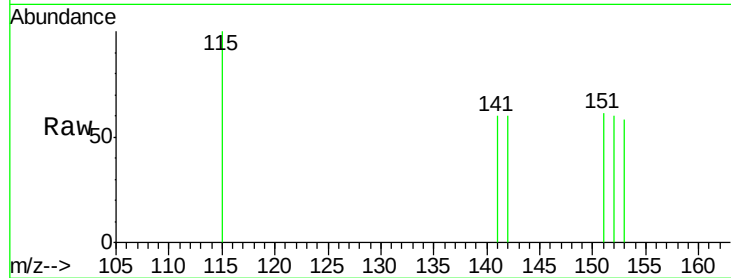
MDL-05-S

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 100.0 70.6 106.0



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

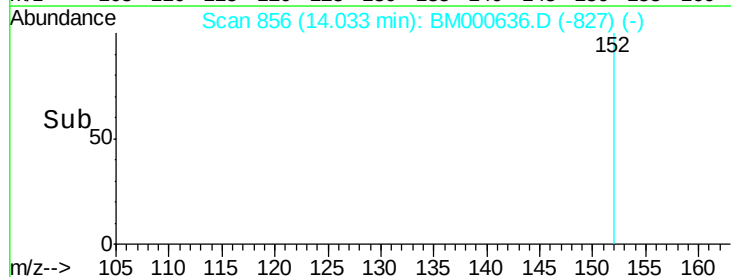
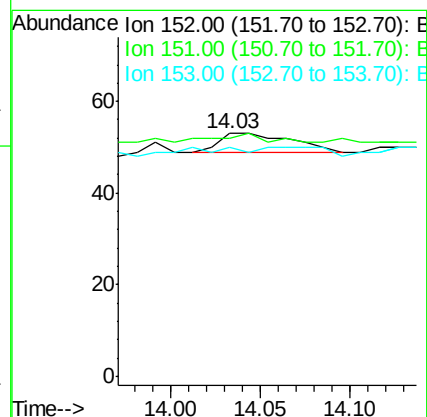
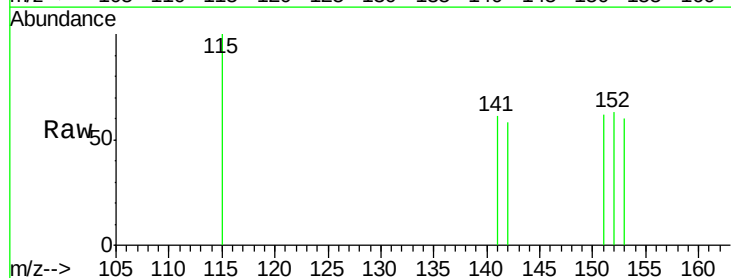
Tgt Ion:152 Resp: 11

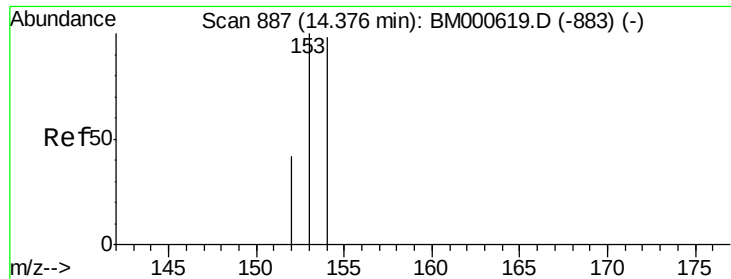
Ion Ratio Lower Upper

152 100

151 98.1 16.0 24.0#

153 94.3 10.2 15.4#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.02 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

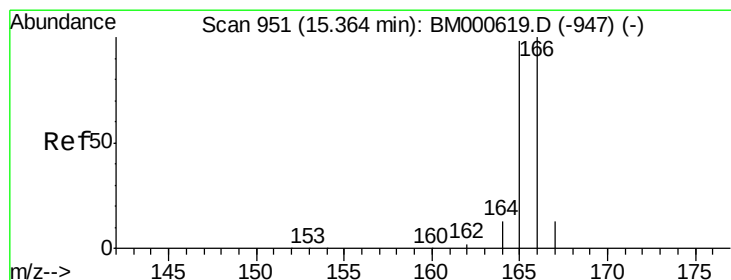
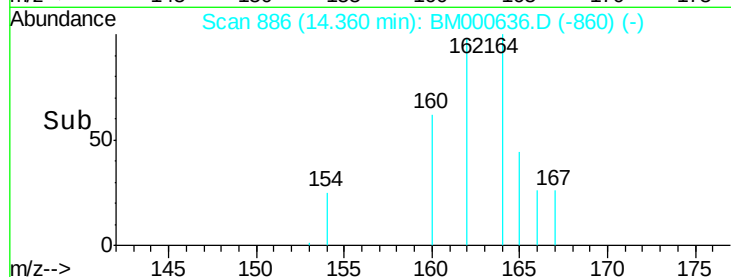
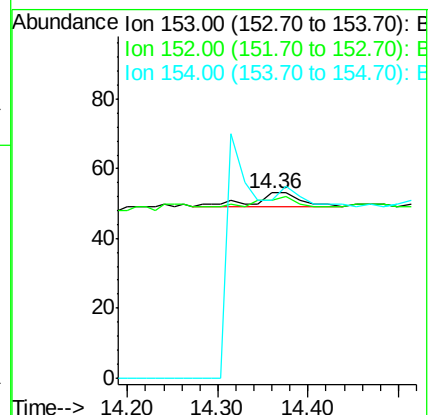
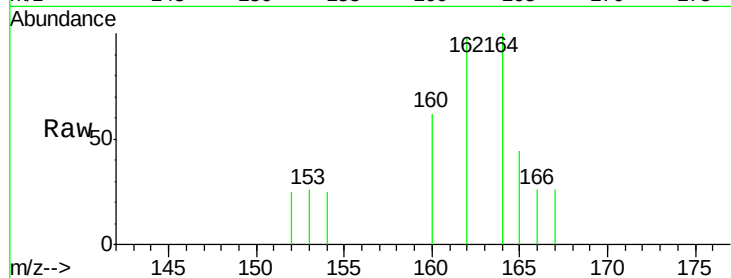
Tgt Ion:153 Resp: 16

Ion Ratio Lower Upper

153 100

152 96.2 34.2 51.2#

154 96.2 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: BM000636.D

Acq: 04 Mar 2015 04:04

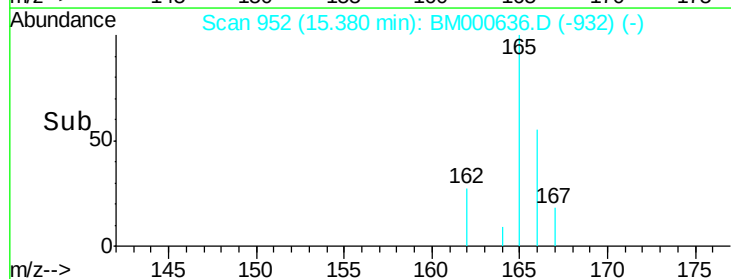
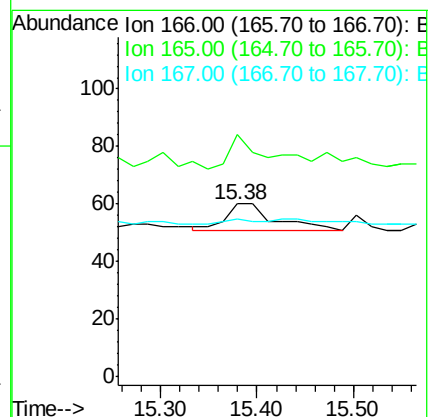
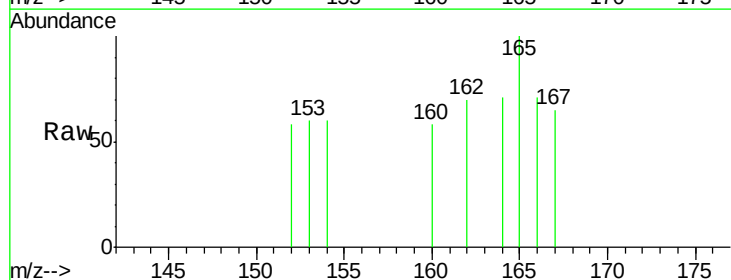
Tgt Ion:166 Resp: 32

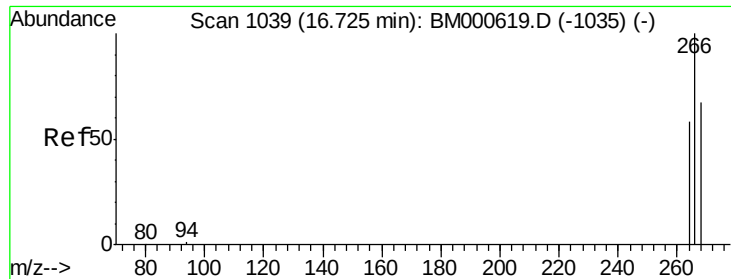
Ion Ratio Lower Upper

166 100

165 140.0 78.5 117.7#

167 91.7 10.6 16.0#

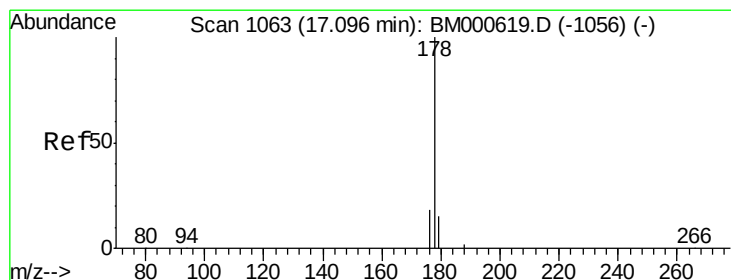
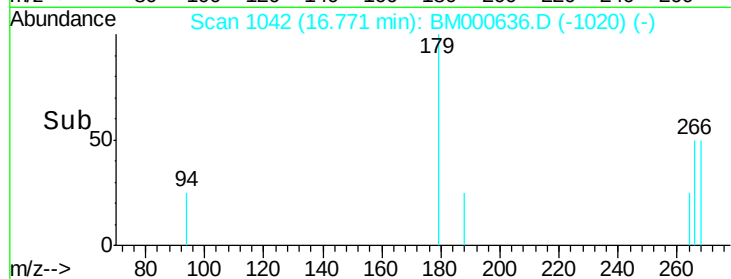
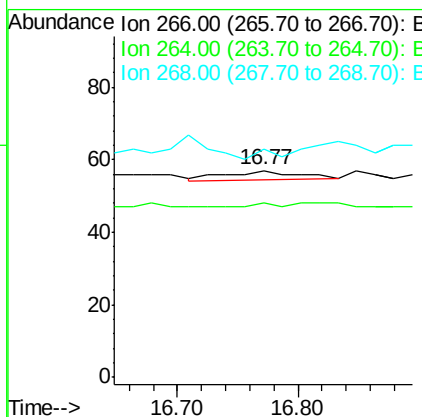
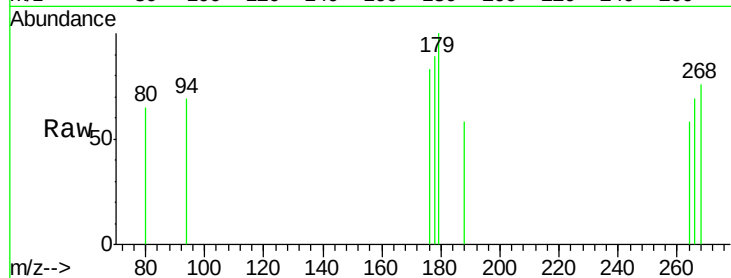




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.77 min Scan# 1042
 Delta R.T. 0.05 min
 Lab File: BM000636.D
 Acq: 04 Mar 2015 04:04

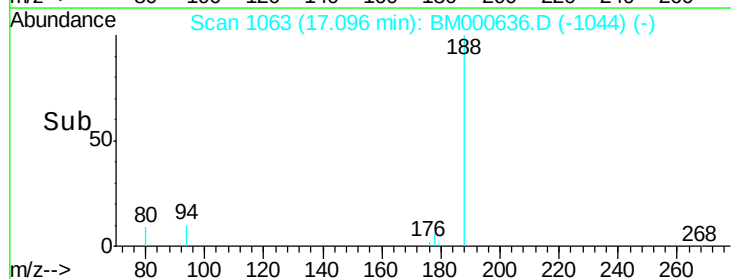
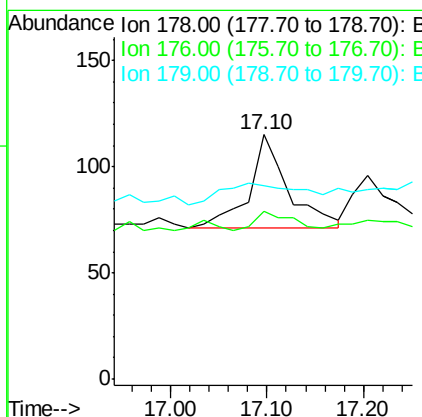
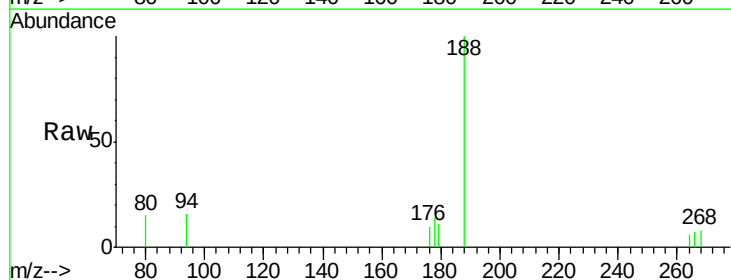
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

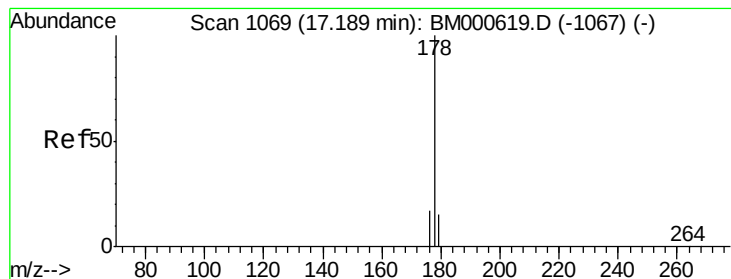
Tgt Ion: 266 Resp: 11
 Ion Ratio Lower Upper
 266 100
 264 36.4 51.0 76.4#
 268 0.0 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000636.D
 Acq: 04 Mar 2015 04:04

Tgt Ion: 178 Resp: 125
 Ion Ratio Lower Upper
 178 100
 176 68.7 14.8 22.2#
 179 79.1 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: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

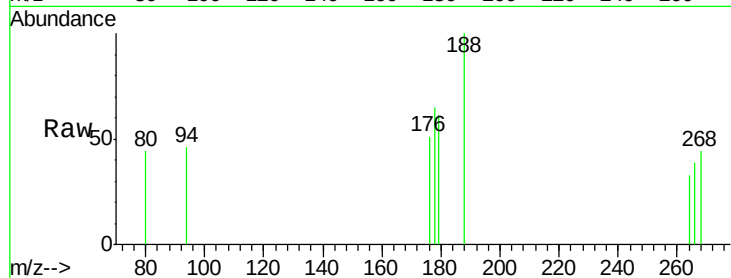
Tgt Ion:178 Resp: 66

Ion Ratio Lower Upper

178 100

176 78.1 14.2 21.4#

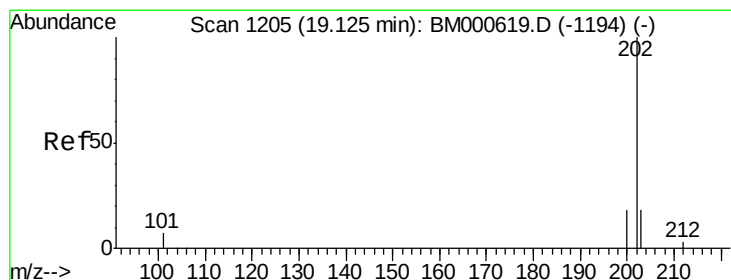
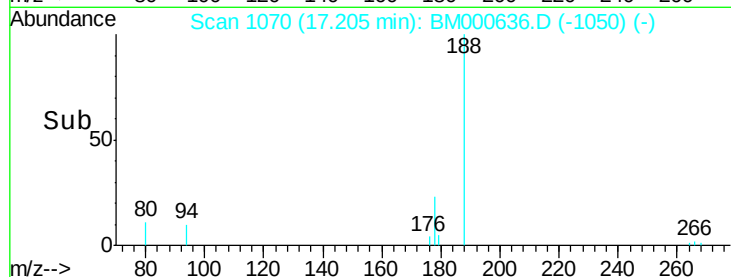
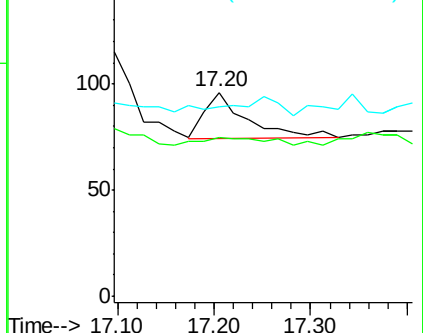
179 92.7 12.8 19.2#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.14 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

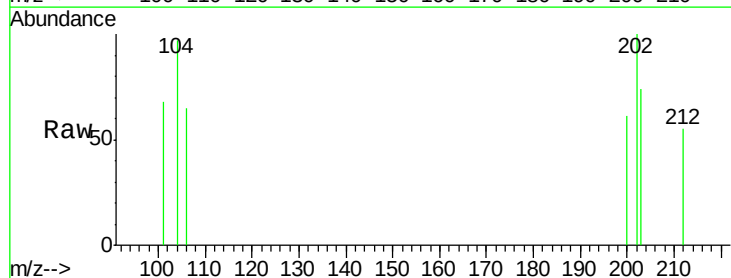
Tgt Ion:202 Resp: 105

Ion Ratio Lower Upper

202 100

101 68.1 0.0 27.0#

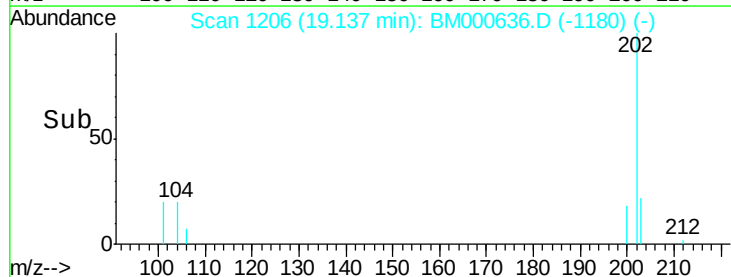
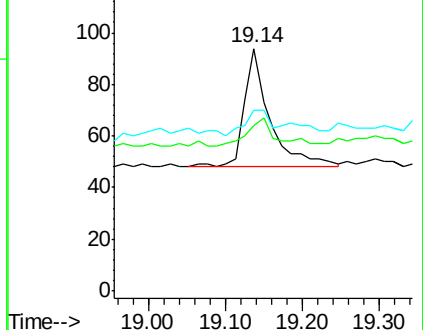
203 74.5 0.0 38.5#

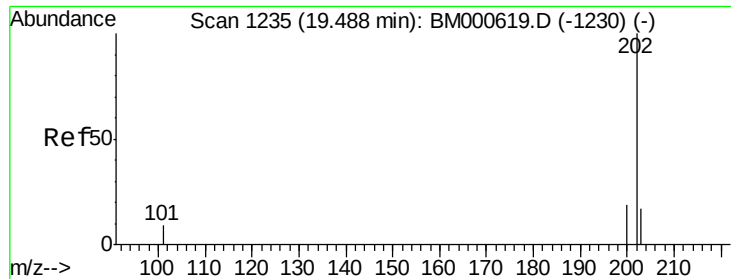


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

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MDL-05-S

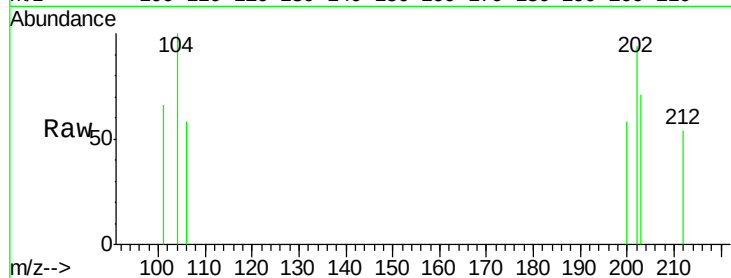
Tgt Ion:202 Resp: 106

Ion Ratio Lower Upper

202 100

200 61.9 15.5 23.3#

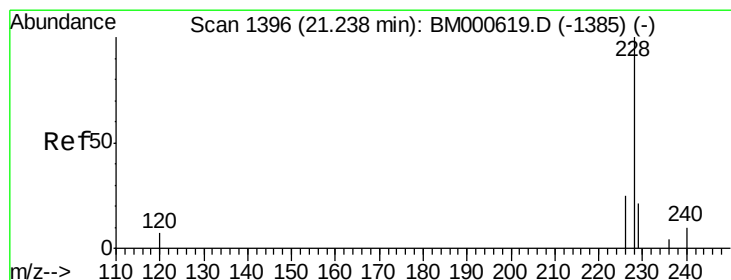
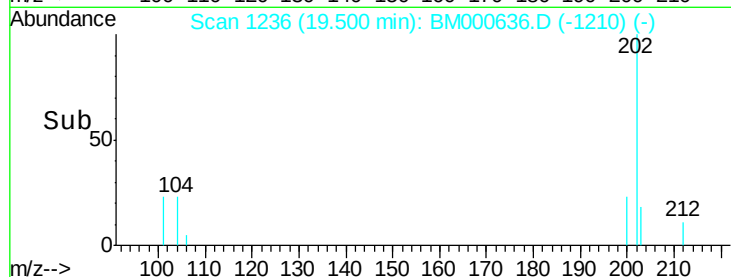
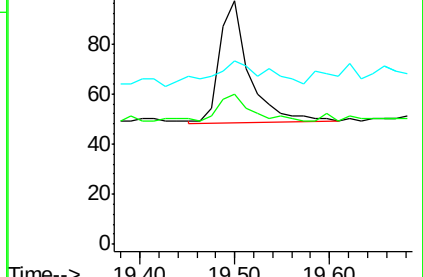
203 75.3 14.2 21.2#



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



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

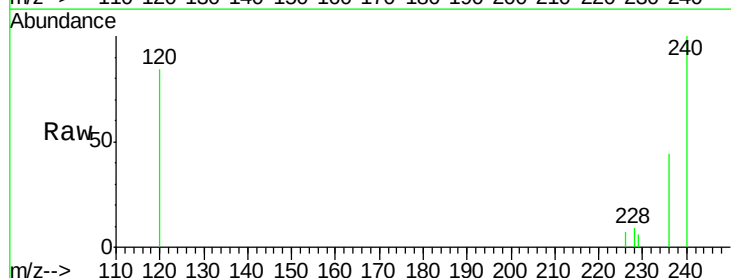
Tgt Ion:228 Resp: 91

Ion Ratio Lower Upper

228 100

226 71.0 20.0 30.0#

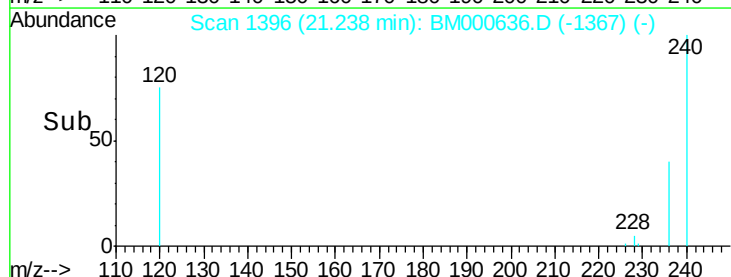
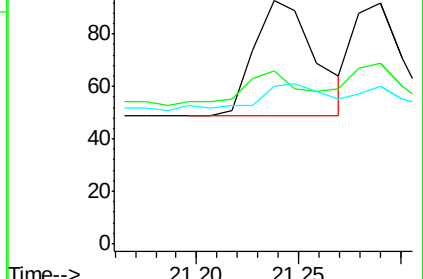
229 64.5 16.7 25.1#

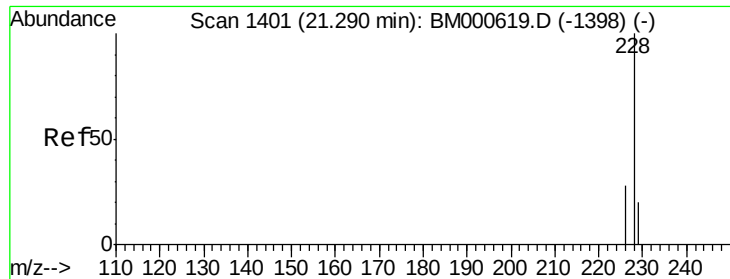


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

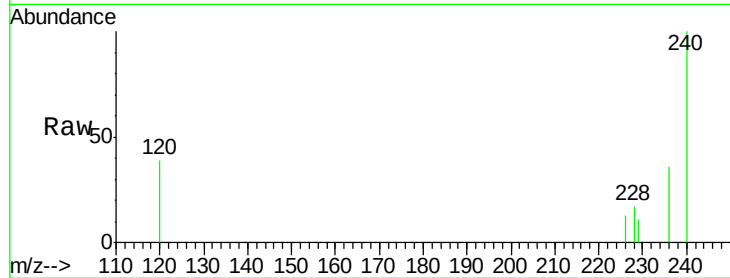
Tgt Ion:228 Resp: 84

Ion Ratio Lower Upper

228 100

226 75.0 22.6 33.8#

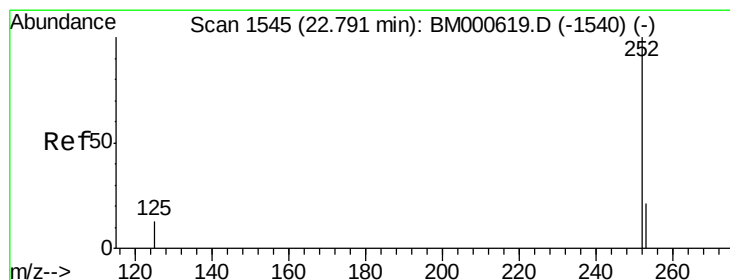
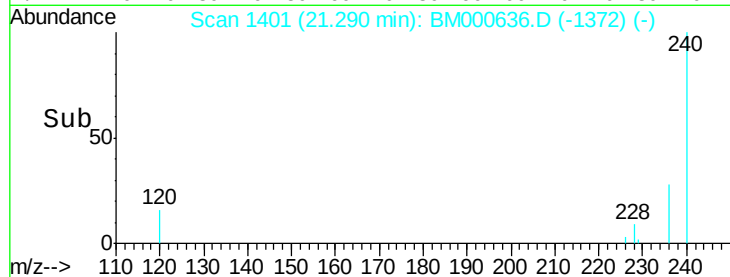
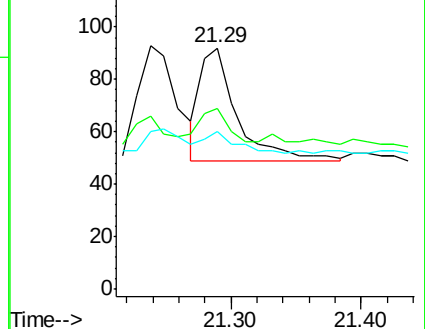
229 65.2 16.4 24.6#



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: 22.60 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

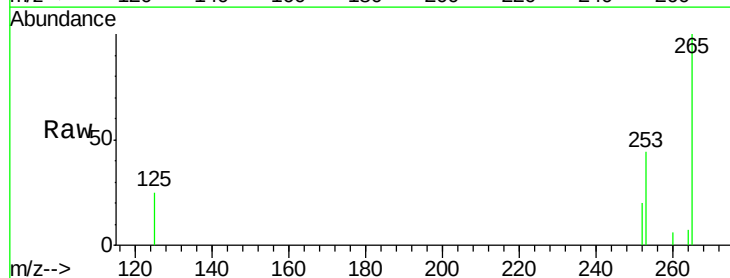
Tgt Ion:252 Resp: 726

Ion Ratio Lower Upper

252 100

253 217.9 0.0 51.2#

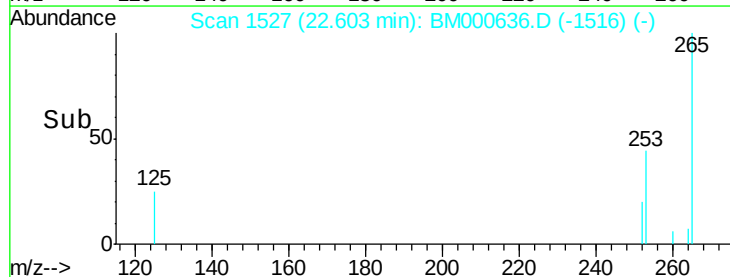
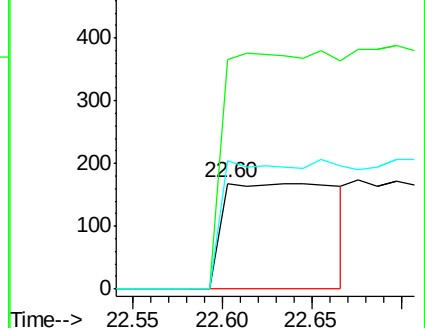
125 121.4 0.0 30.0#

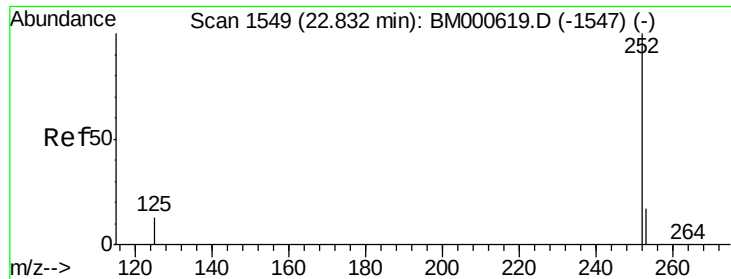


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.60 min Scan# 1527

Delta R.T. -0.23 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

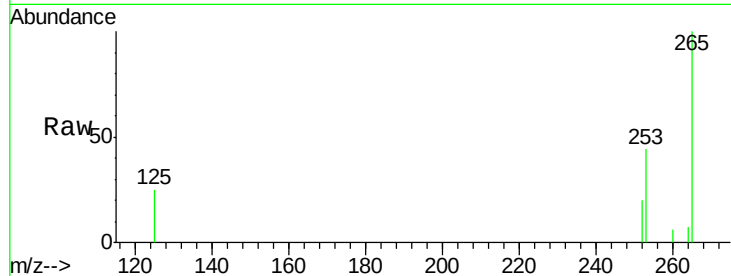
Tgt Ion:252 Resp: 726

Ion Ratio Lower Upper

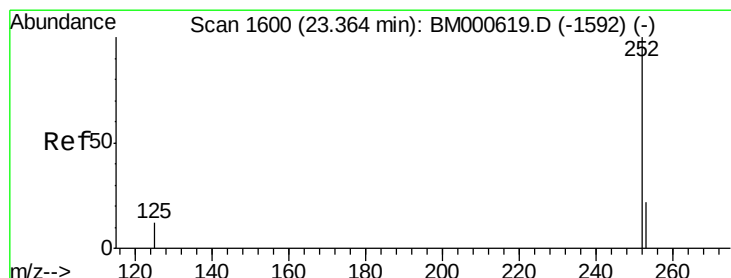
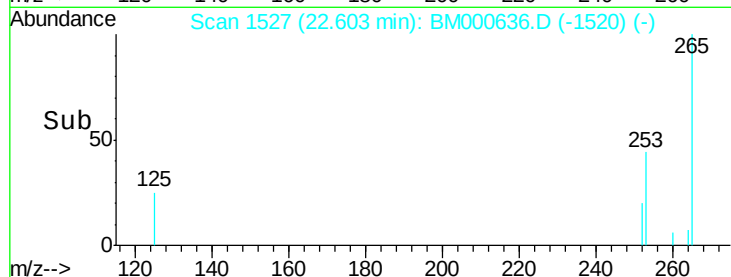
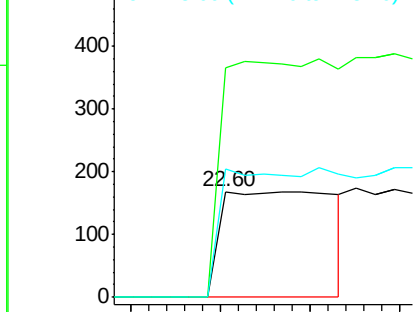
252 100

253 217.9 20.5 30.7#

125 121.4 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: BM000636.D

Acq: 04 Mar 2015 04:04

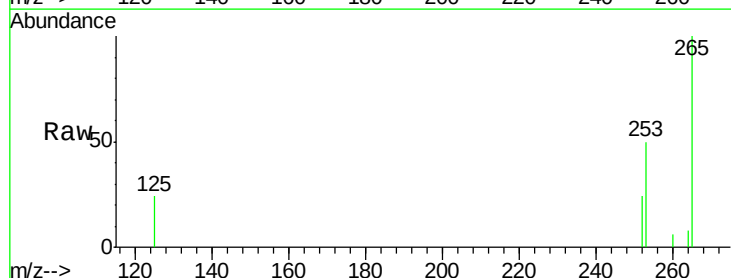
Tgt Ion:252 Resp: 53

Ion Ratio Lower Upper

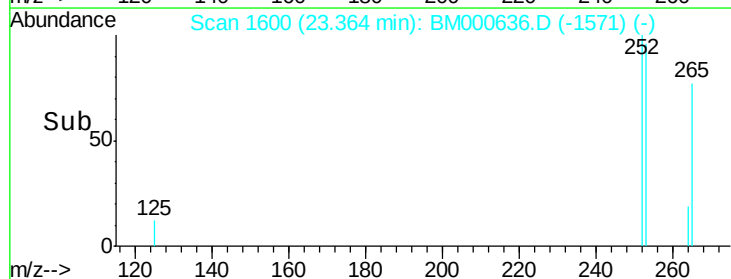
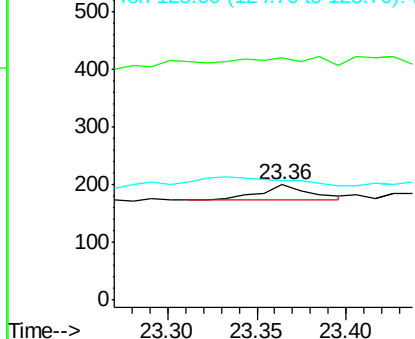
252 100

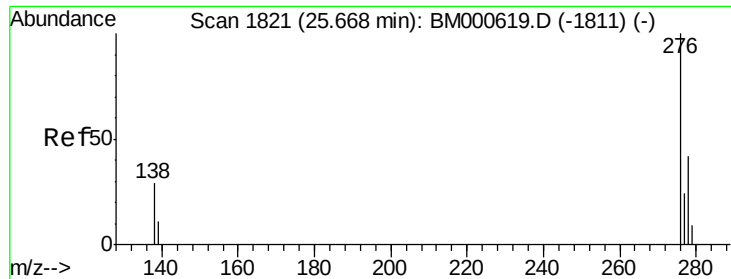
253 210.5 23.4 35.0#

125 103.5 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: BM000636.D

Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

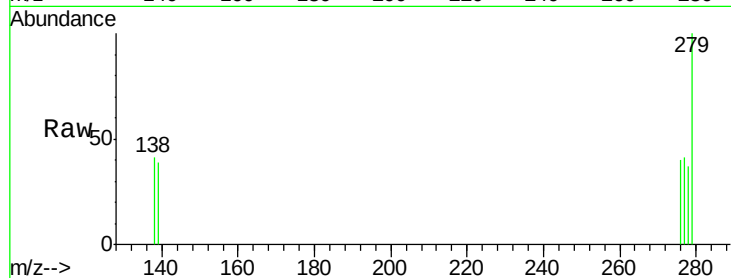
Tgt Ion:276 Resp: 69

Ion Ratio Lower Upper

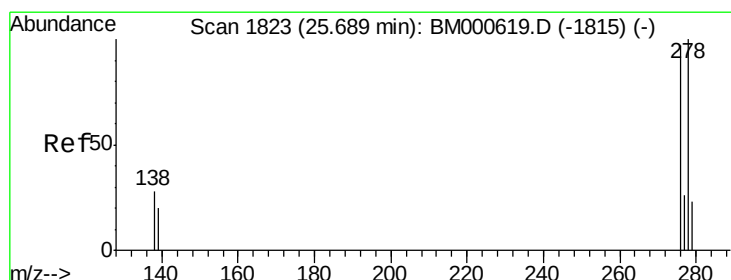
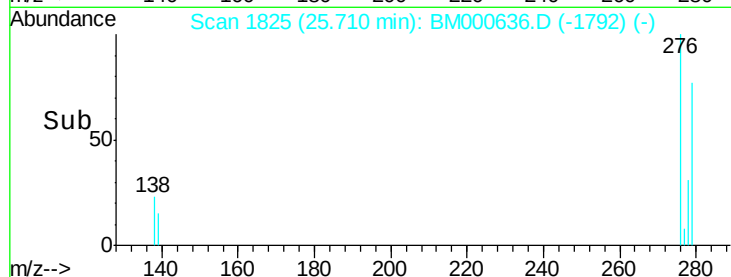
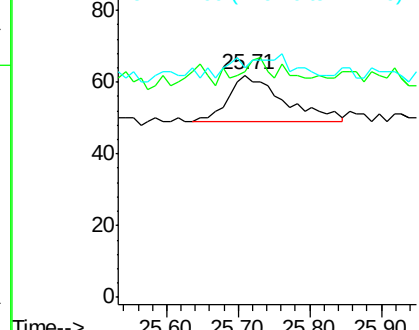
276 100

138 0.0 23.8 35.8#

277 14.5 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: 25.66 min Scan# 1820

Delta R.T. -0.03 min

Lab File: BM000636.D

Acq: 04 Mar 2015 04:04

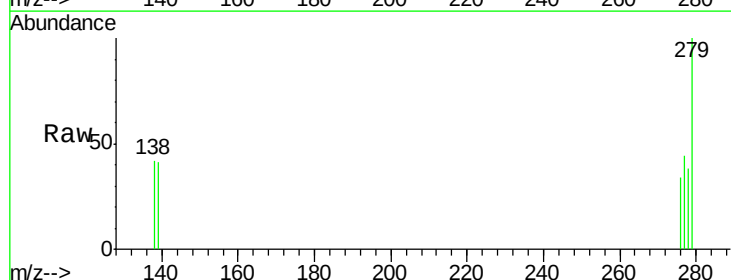
Tgt Ion:278 Resp: 4

Ion Ratio Lower Upper

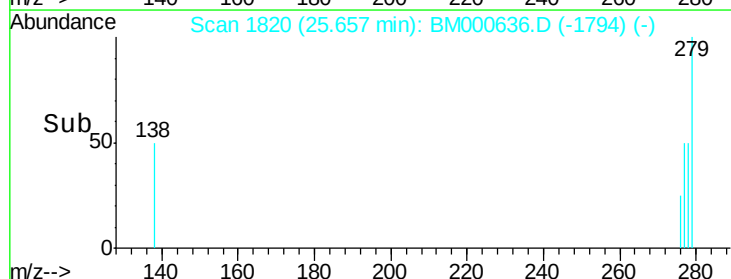
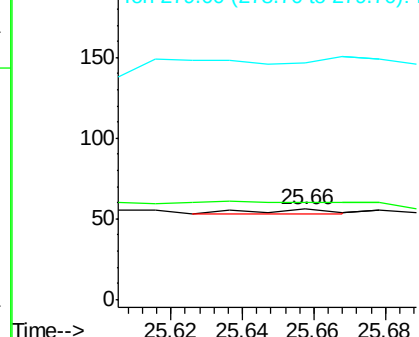
278 100

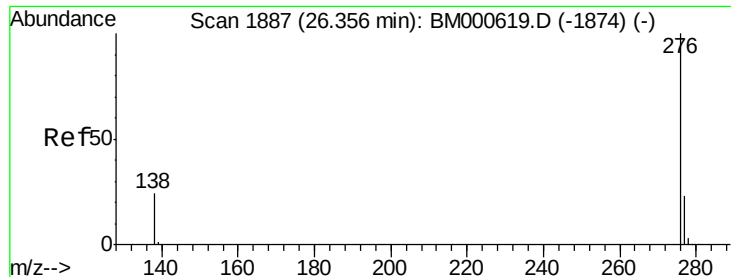
139 107.1 17.0 25.6#

279 262.5 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: BM000636.D

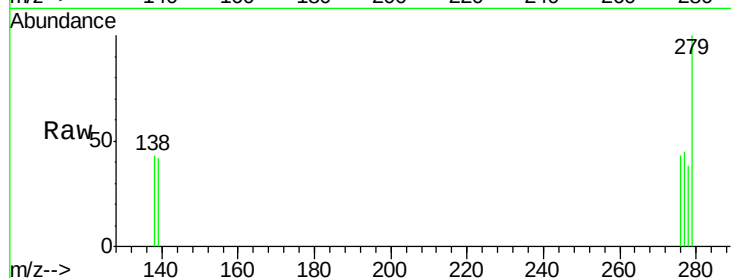
Acq: 04 Mar 2015 04:04

Instrument :

BNA_M

ClientSampleId :

MDL-05-S



Tgt Ion: 276 Resp: 63

Ion Ratio Lower Upper

276 100

277 103.2 19.9 29.9#

138 100.0 20.6 30.8#

