

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030315\
 Data File : BM000627.D
 Acq On : 03 Mar 2015 21:33
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

Quant Time: Mar 04 03:13:25 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	3716	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	12840	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	6197	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	14946	0.40	ng/ul	0.02
18) Chrysene-d12	21.26	240	11662	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	9328	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	5919	2.18	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	7	0.00	ng/ul	0.01
16) Fluoranthene-d10	19.11	212	13	0.00	ng/ul	0.02

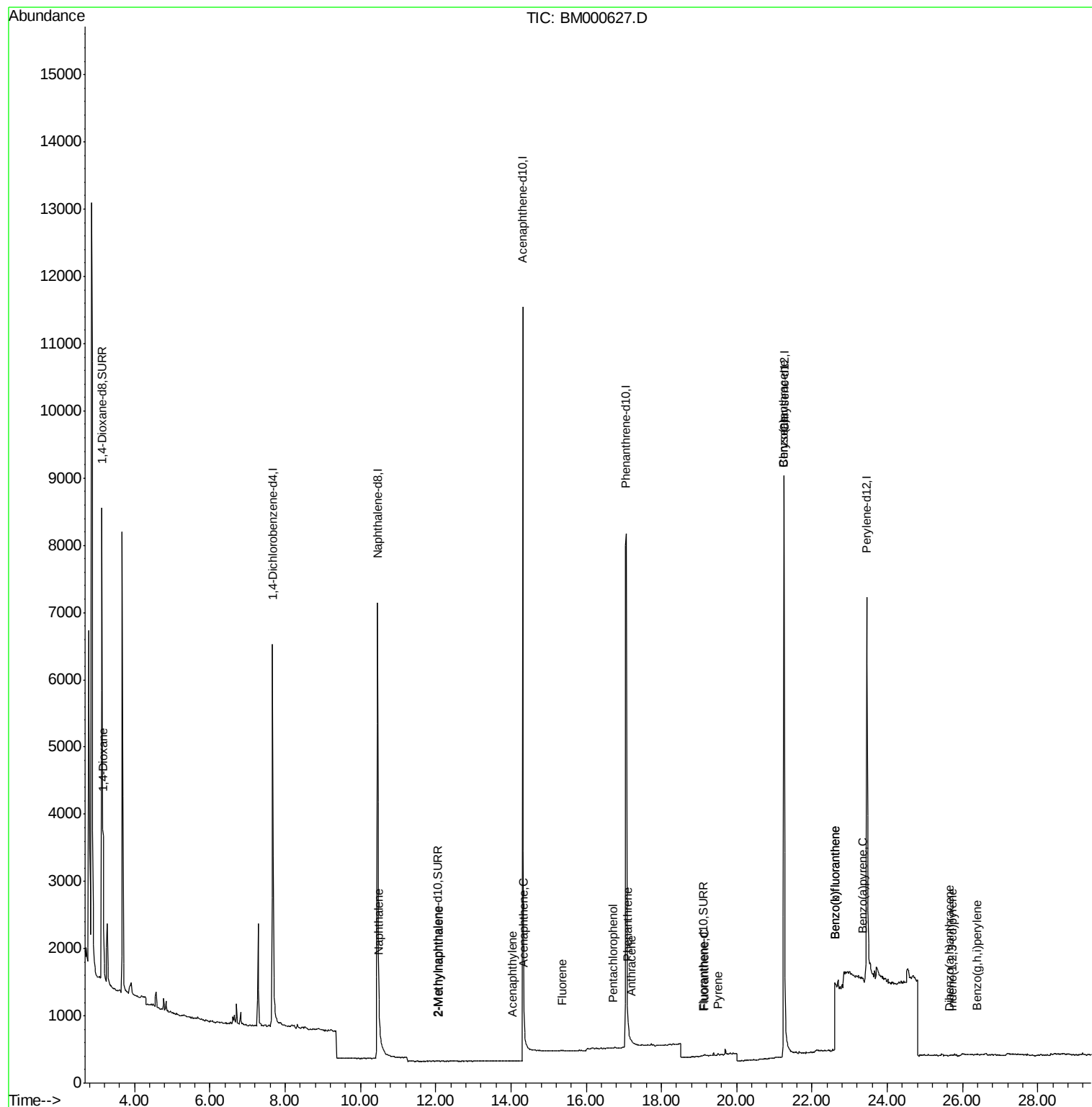
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	3255	0.77	ng/ul#	54
5) Naphthalene	10.49	128	9	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.09	142	2	0.00	ng/ul#	5
9) Acenaphthylene	14.04	152	5	0.00	ng/ul#	1
10) Acenaphthene	14.35	153	9	0.00	ng/ul#	73
11) Fluorene	15.36	166	13	0.00	ng/ul#	44
13) Pentachlorophenol	16.71	266	7	0.01	ng/ul#	24
14) Phenanthrene	17.10	178	23	0.00	ng/ul#	1
15) Anthracene	17.20	178	19	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	39	0.00	ng/ul#	1
19) Pyrene	19.50	202	25	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	53	0.00	ng/ul#	1
21) Chrysene	21.25	228	53	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.62	252	574	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.62	252	574	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	31	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.72	276	22	0.00	ng/ul#	70
27) Dibenzo(a,h)anthracene	25.65	278	5	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	36	0.00	ng/ul#	1

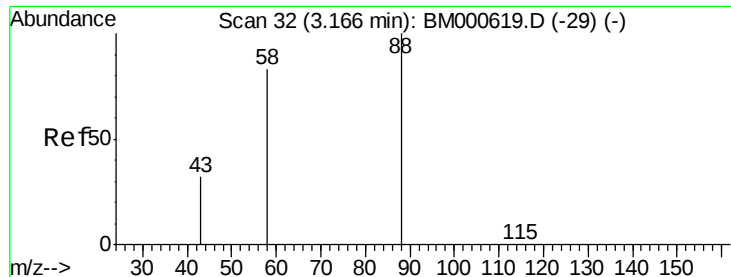
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.77 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

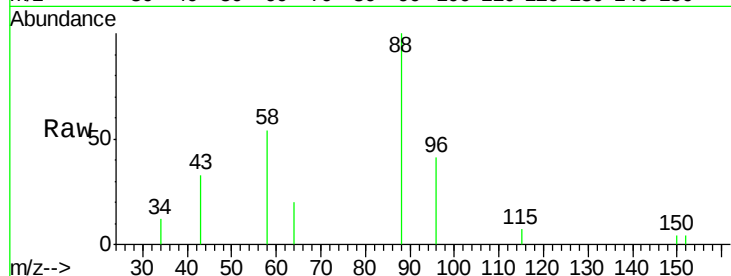
Tgt Ion: 88 Resp: 3255

Ion Ratio Lower Upper

88 100

58 35.1 55.4 83.2#

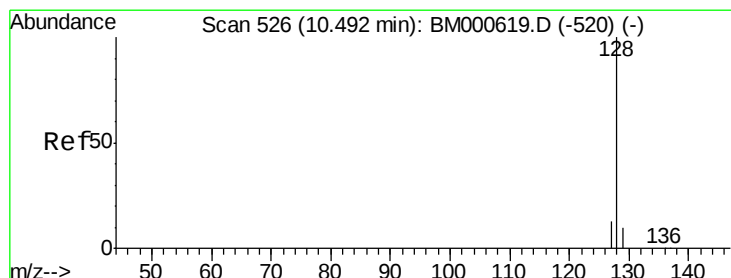
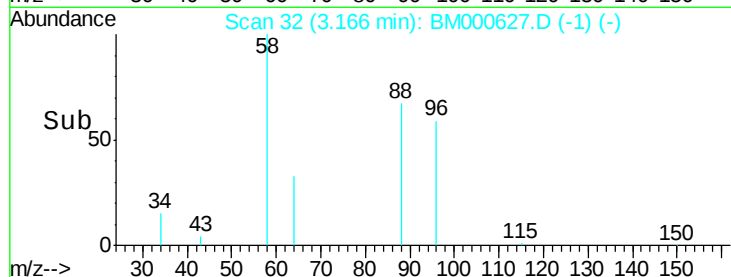
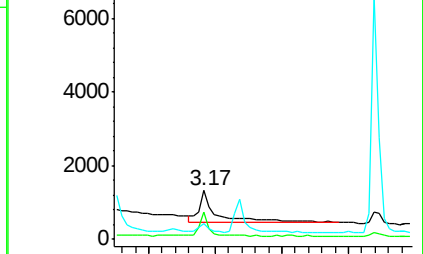
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000627.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000627.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000627.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

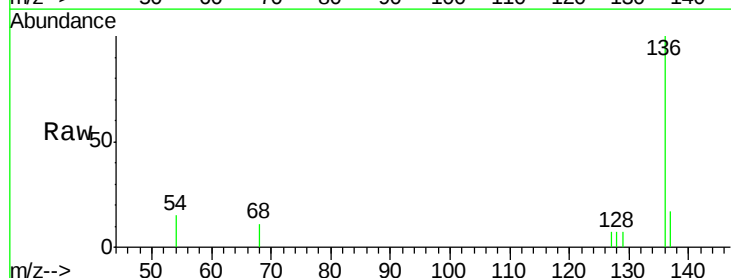
Tgt Ion: 128 Resp: 9

Ion Ratio Lower Upper

128 100

129 92.9 8.5 12.7#

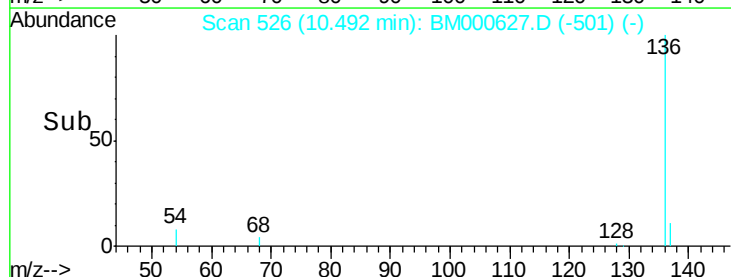
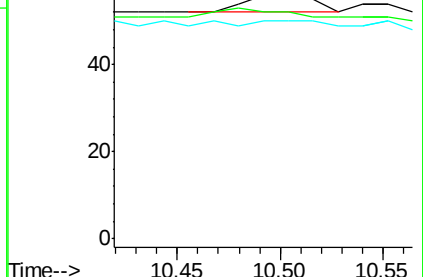
127 89.3 11.0 16.6#

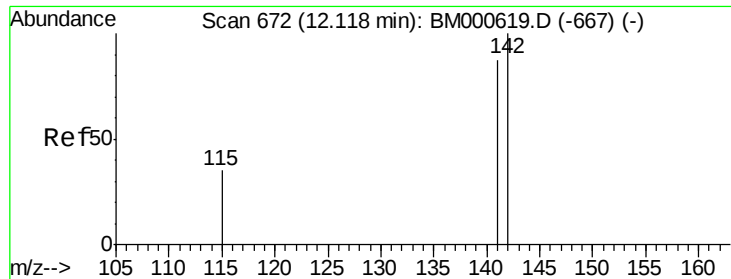


Abundance Ion 128.00 (127.70 to 128.70): BM000627.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000627.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000627.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 669

Delta R.T. -0.03 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

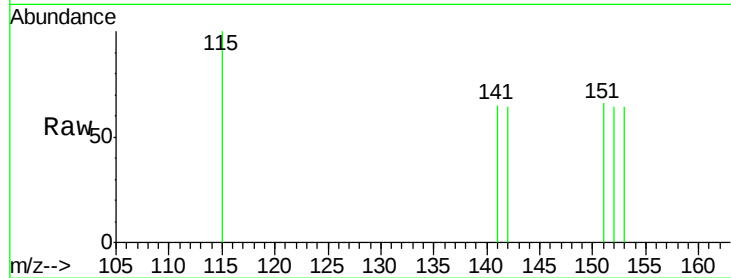
MDL-05-W

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 0.0 70.6 106.0#

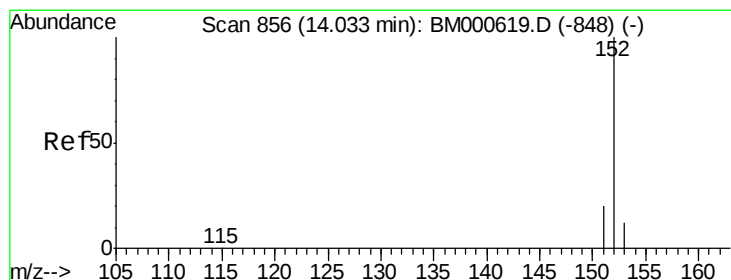
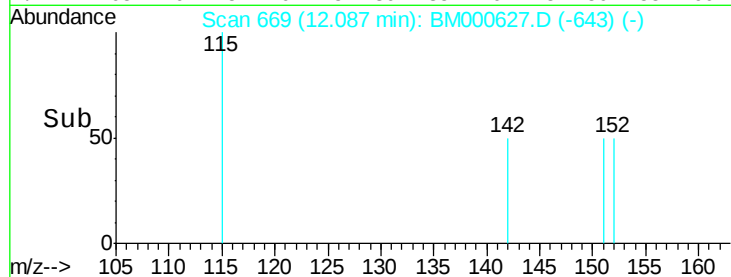


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

Time--> 12.05 12.10



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

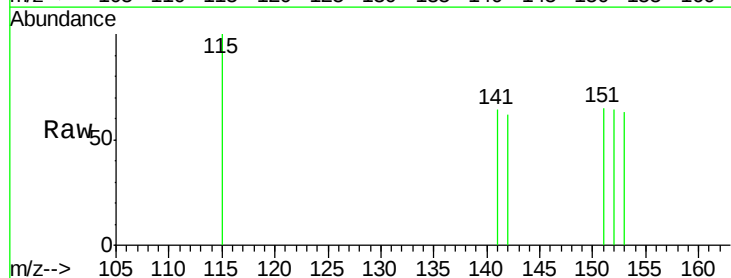
Tgt Ion:152 Resp: 5

Ion Ratio Lower Upper

152 100

151 102.0 16.0 24.0#

153 98.0 10.2 15.4#



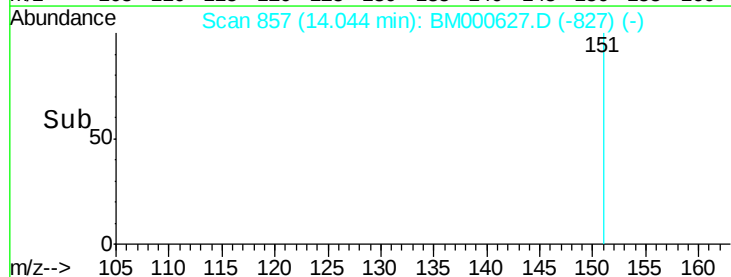
Abundance Ion 152.00 (151.70 to 152.70): E

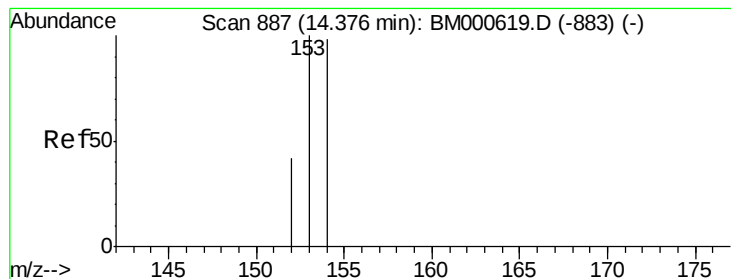
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

Time--> 14.00 14.05 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 885

Delta R.T. -0.03 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

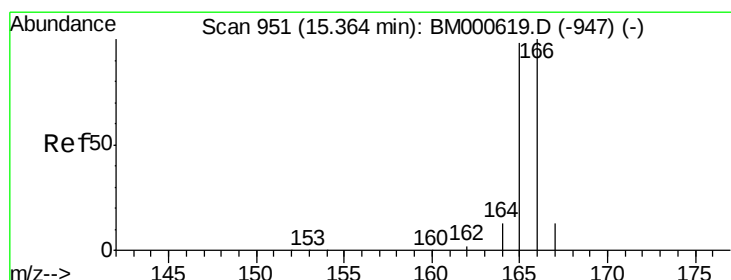
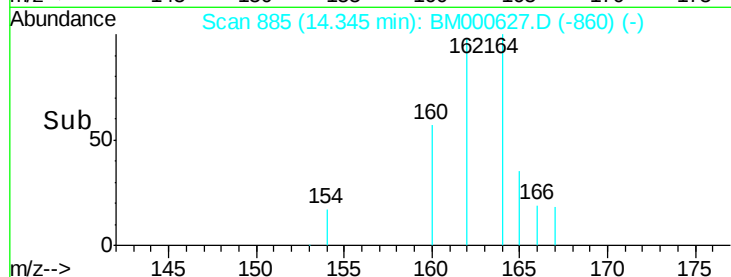
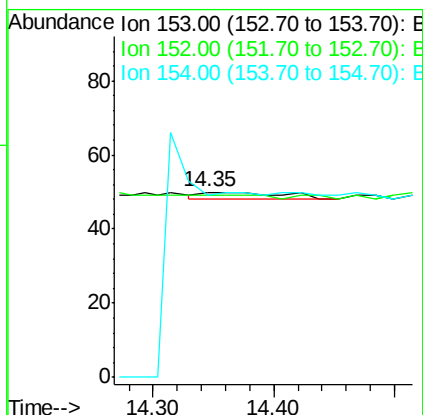
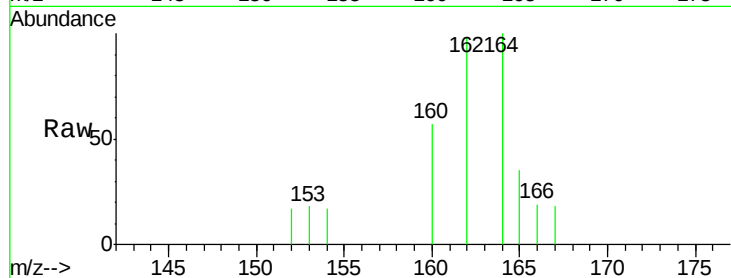
Instrument :

BNA_M

ClientSampleId :

MDL-05-W

Tgt Ion:	153	Resp:	9
Ion	Ratio	Lower	Upper
153	100		
152	98.0	34.2	51.2#
154	98.0	78.8	118.2



#11

Fluorene

Concen: 0.00 ng/ul

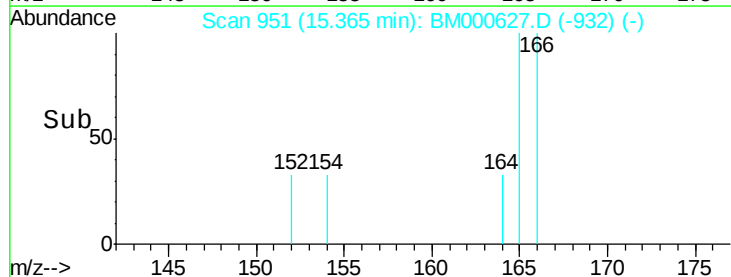
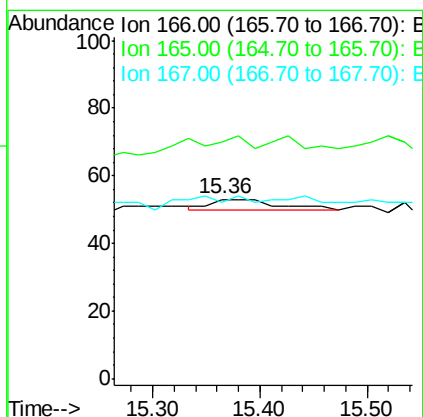
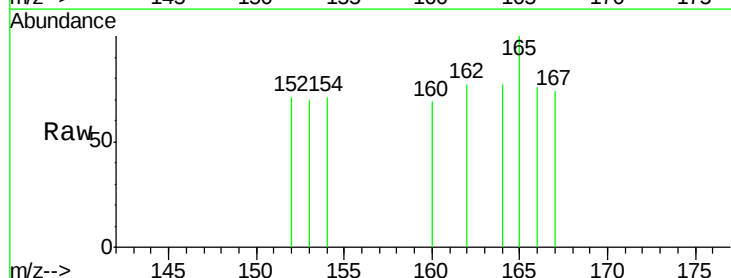
RT: 15.36 min Scan# 951

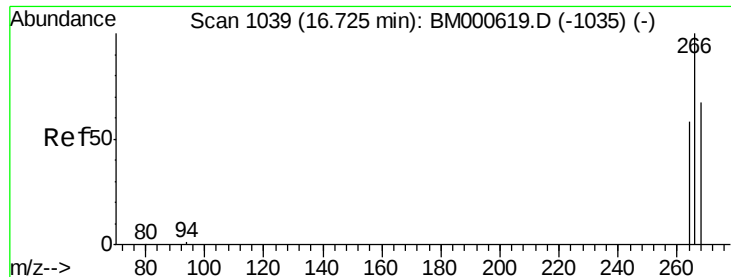
Delta R.T. 0.00 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Tgt Ion:	166	Resp:	13
Ion	Ratio	Lower	Upper
166	100		
165	132.1	78.5	117.7#
167	98.1	10.6	16.0#

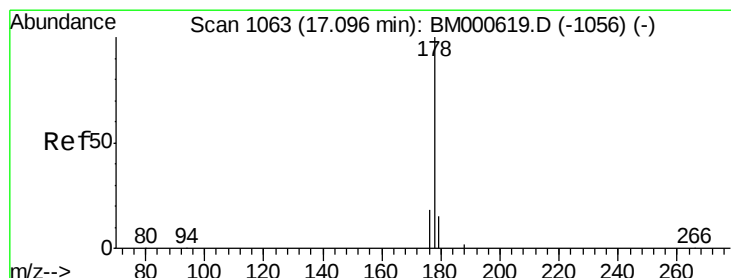
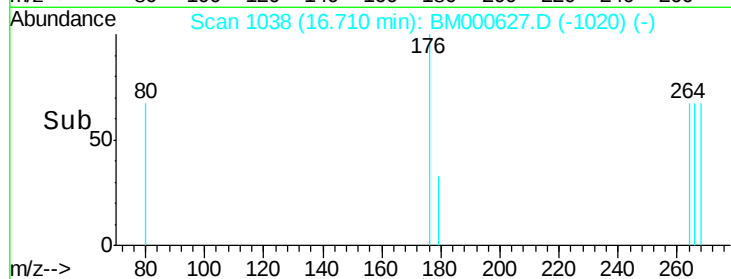
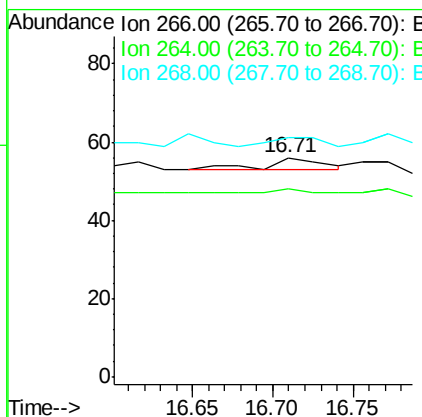
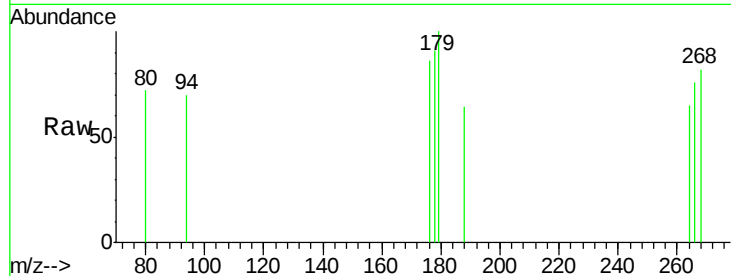




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BM000627.D
 Acq: 03 Mar 2015 21:33

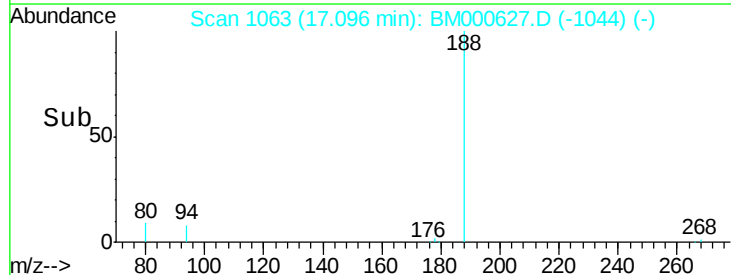
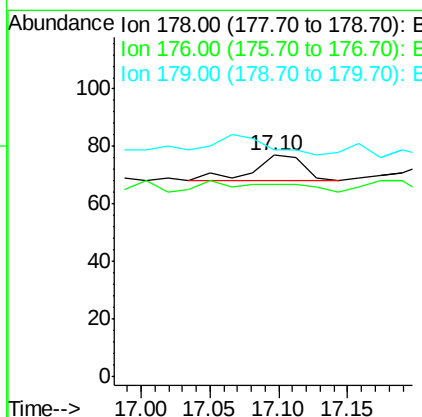
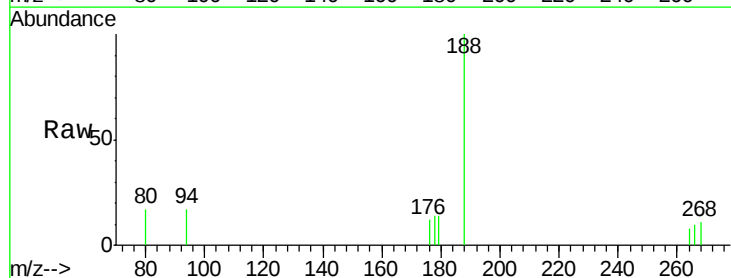
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

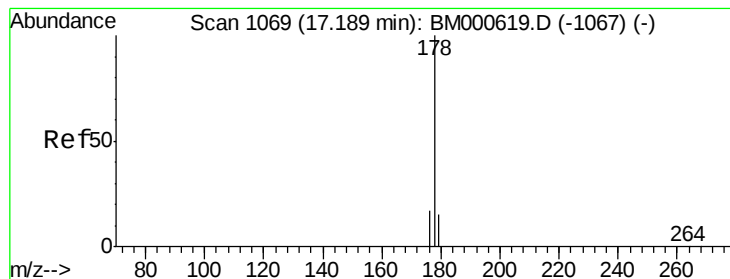
Tgt Ion: 266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 157.1 51.0 76.4#
 268 85.7 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000627.D
 Acq: 03 Mar 2015 21:33

Tgt Ion: 178 Resp: 23
 Ion Ratio Lower Upper
 178 100
 176 87.0 14.8 22.2#
 179 102.6 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: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

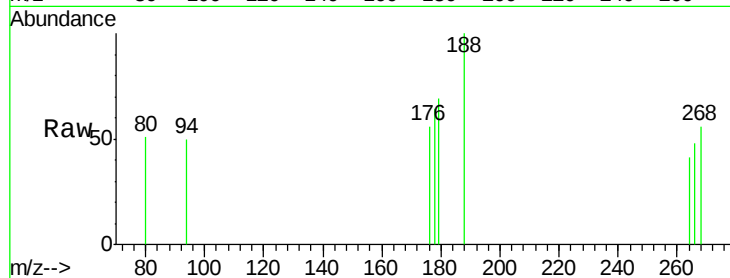
Tgt Ion:178 Resp: 19

Ion Ratio Lower Upper

178 100

176 88.0 14.2 21.4#

179 108.0 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

100

80

60

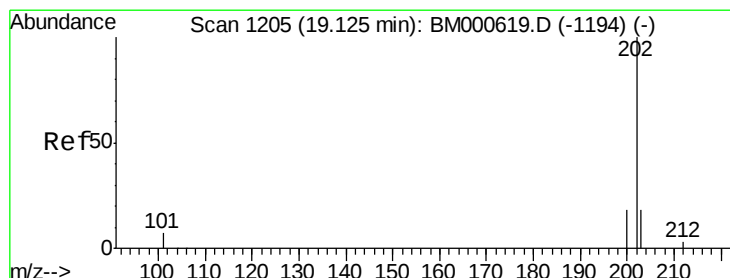
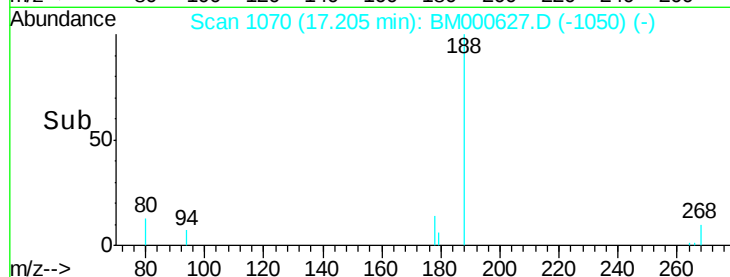
40

20

0

17.10 17.15 17.20 17.25

Time-->



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.14 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

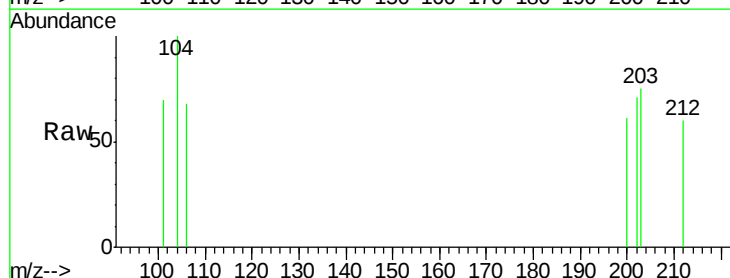
Tgt Ion:202 Resp: 39

Ion Ratio Lower Upper

202 100

101 98.3 0.0 27.0#

203 105.0 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

80

60

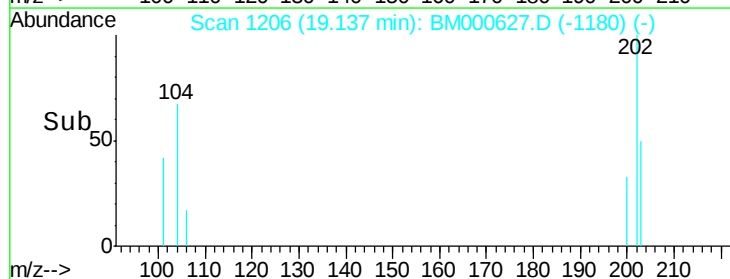
40

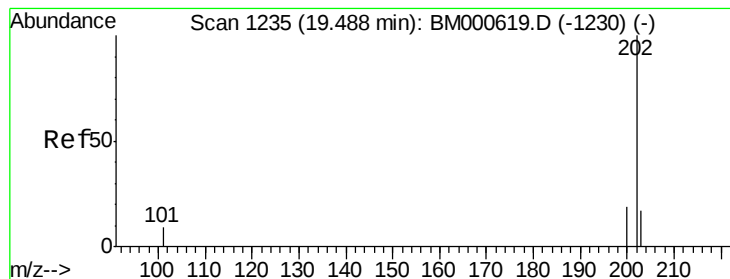
20

0

19.10 19.14 19.20 19.30

Time-->





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.50 min Scan# 1236

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

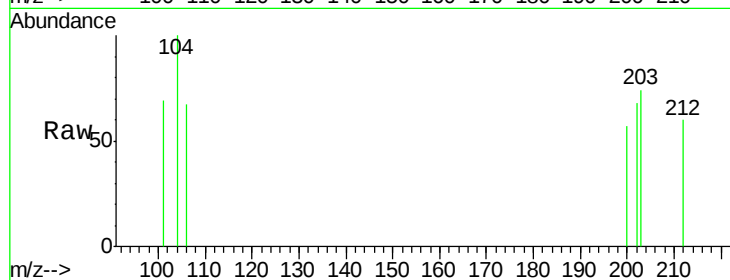
Tgt Ion:202 Resp: 25

Ion Ratio Lower Upper

202 100

200 84.7 15.5 23.3#

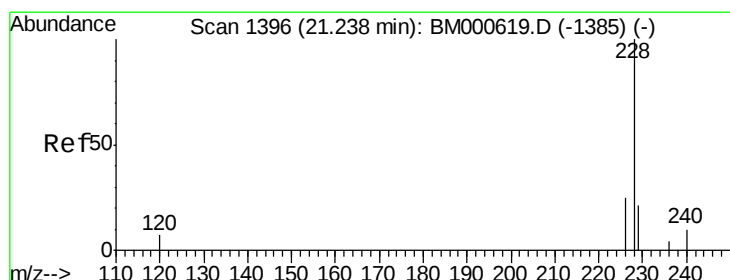
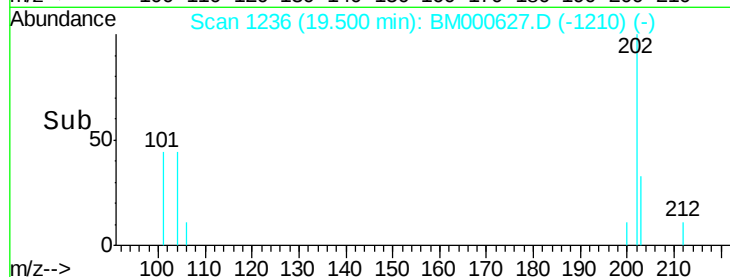
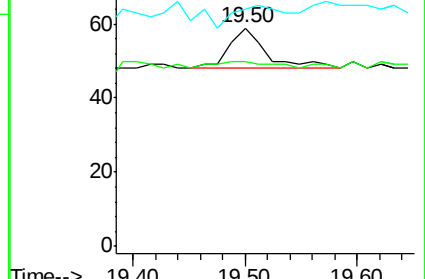
203 108.5 14.2 21.2#



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: 21.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

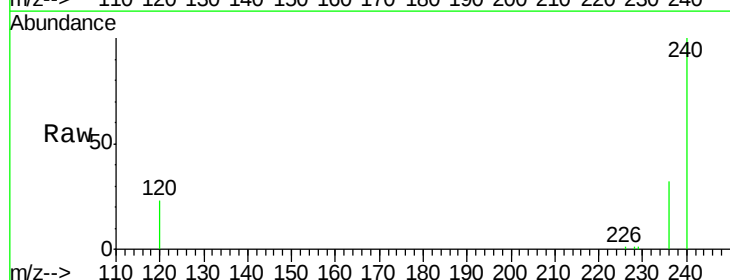
Tgt Ion:228 Resp: 53

Ion Ratio Lower Upper

228 100

226 74.4 20.0 30.0#

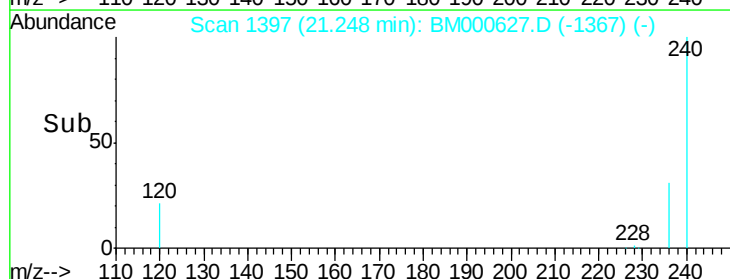
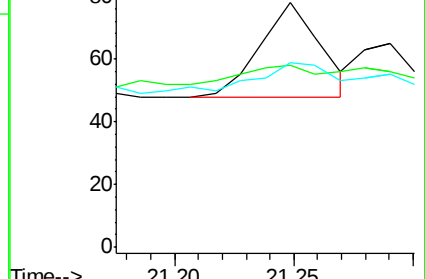
229 75.6 16.7 25.1#

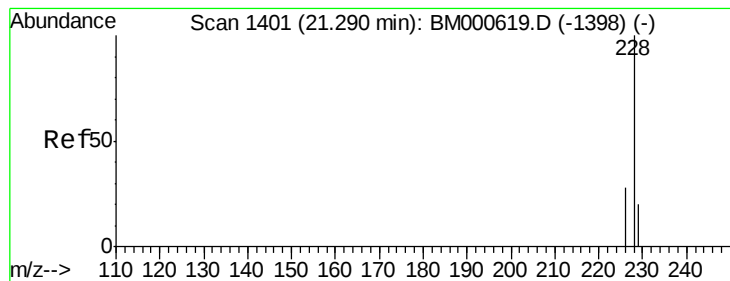


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.25 min Scan# 1397

Delta R.T. -0.04 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

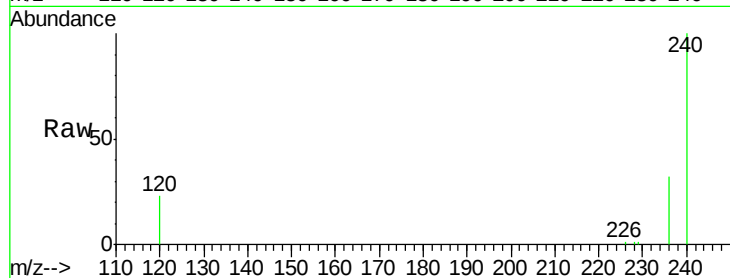
Tgt Ion:228 Resp: 53

Ion Ratio Lower Upper

228 100

226 74.4 22.6 33.8#

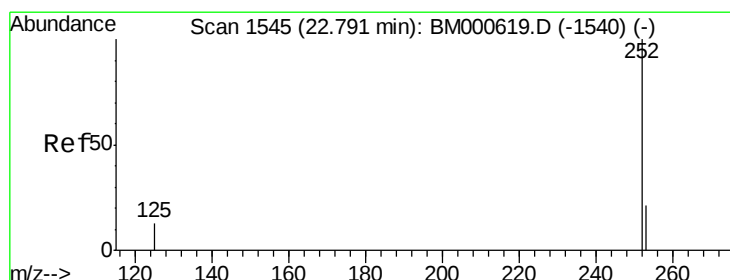
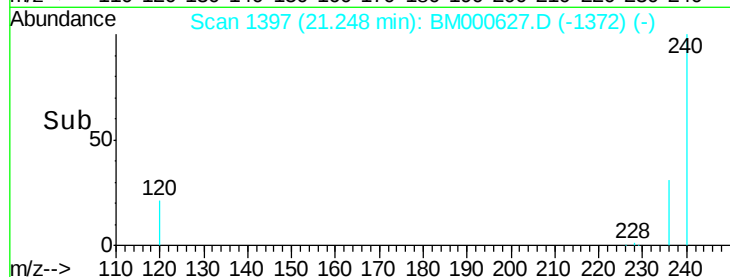
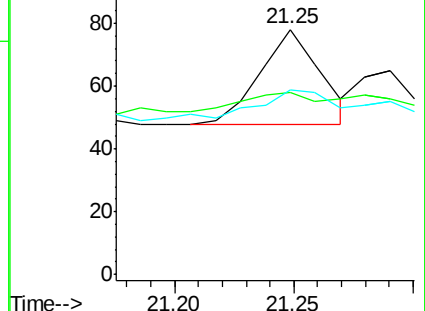
229 75.6 16.4 24.6#



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: BM000627.D

Acq: 03 Mar 2015 21:33

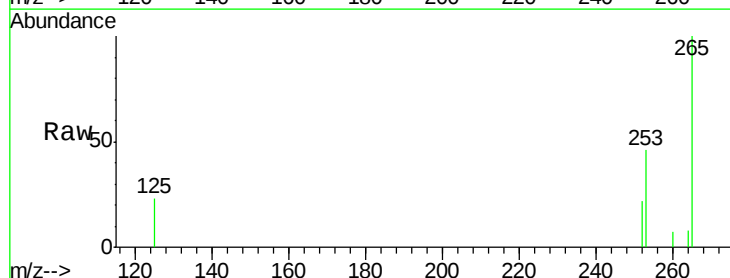
Tgt Ion:252 Resp: 574

Ion Ratio Lower Upper

252 100

253 210.2 0.0 51.2#

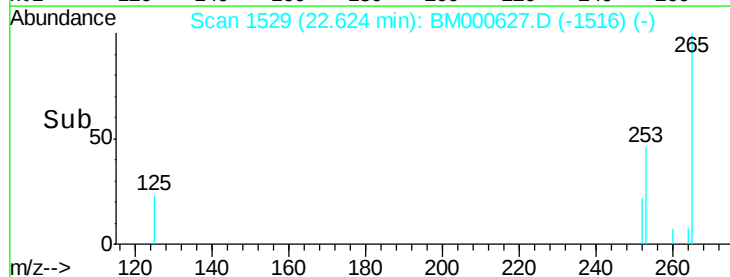
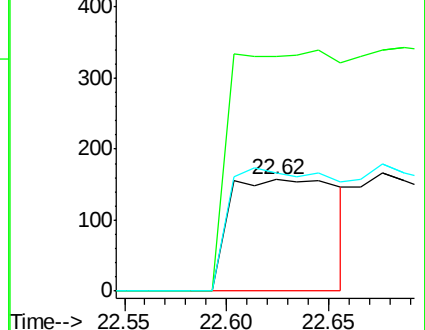
125 105.7 0.0 30.0#

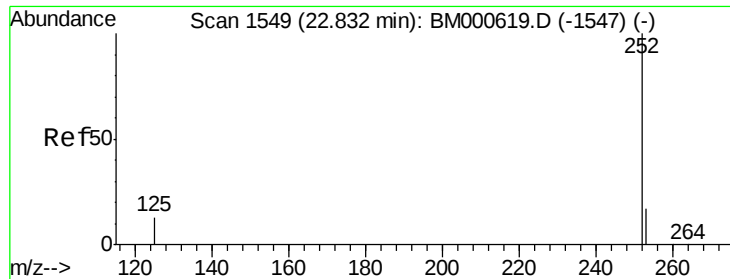


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

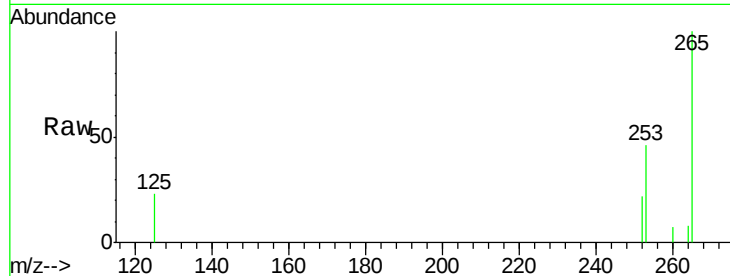
Tgt Ion: 252 Resp: 574

Ion Ratio Lower Upper

252 100

253 210.2 20.5 30.7#

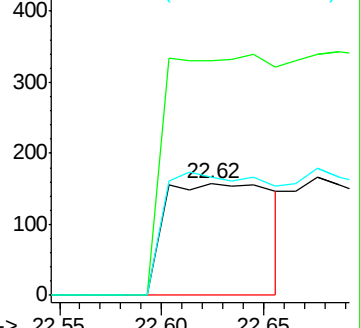
125 105.7 11.8 17.6#



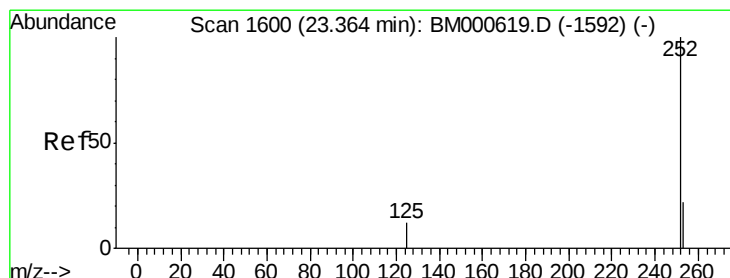
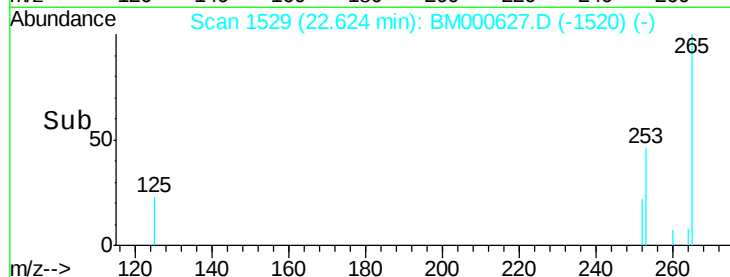
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

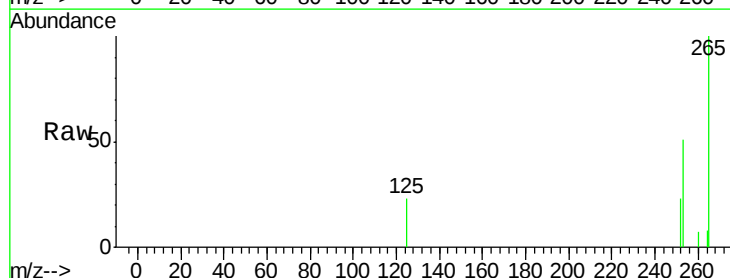
Tgt Ion: 252 Resp: 31

Ion Ratio Lower Upper

252 100

253 225.0 23.4 35.0#

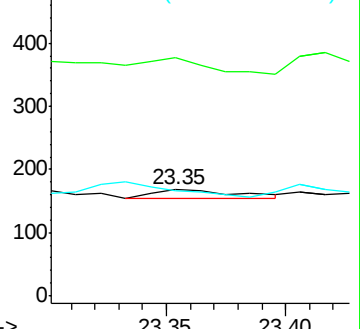
125 99.4 12.2 18.4#



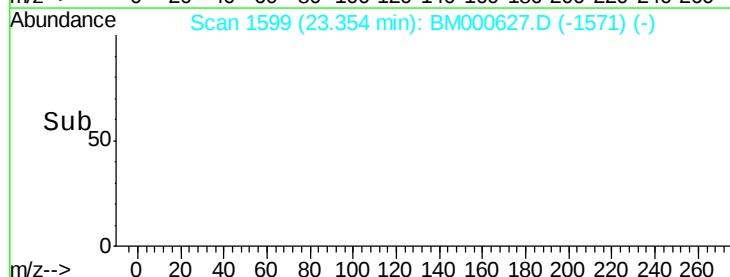
Abundance Ion 252.00 (251.70 to 252.70): E

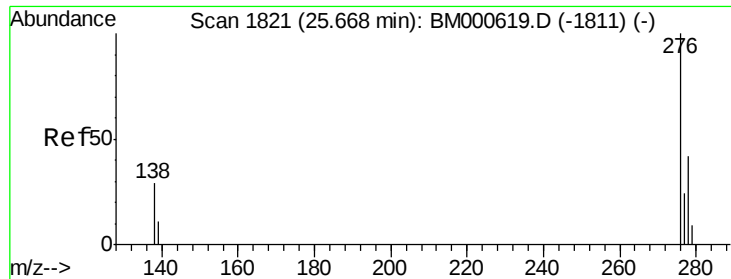
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.72 min Scan# 1826

Delta R.T. 0.05 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

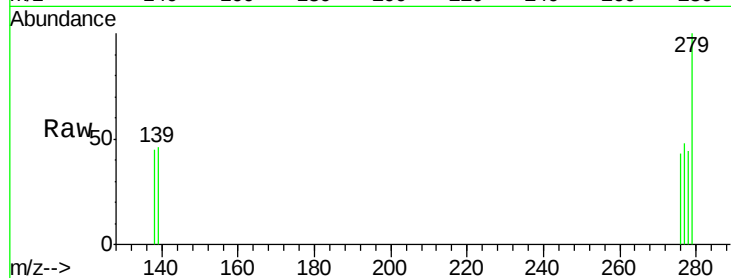
Tgt Ion: 276 Resp: 22

Ion Ratio Lower Upper

276 100

138 22.7 23.8 35.8#

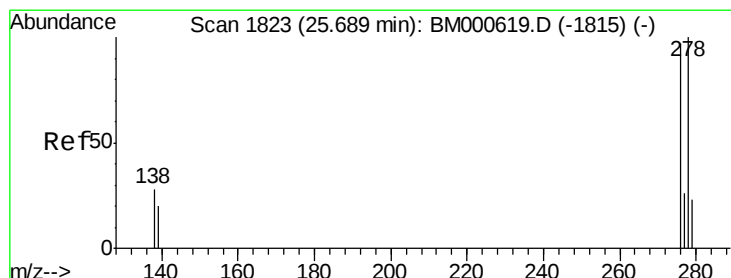
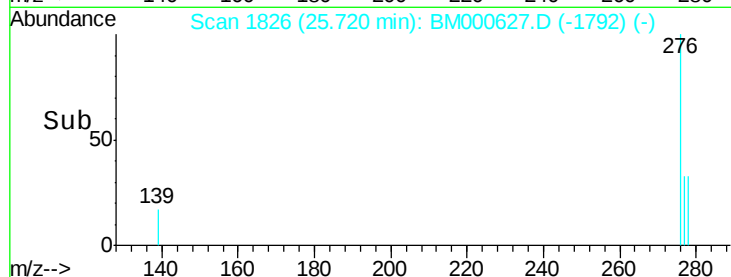
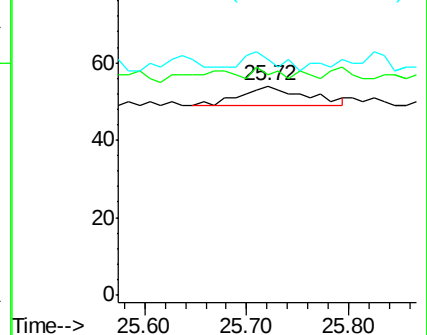
277 50.0 19.7 29.5#



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: 25.65 min Scan# 1819

Delta R.T. -0.04 min

Lab File: BM000627.D

Acq: 03 Mar 2015 21:33

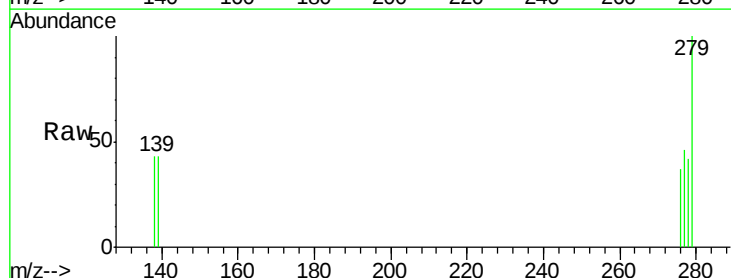
Tgt Ion: 278 Resp: 5

Ion Ratio Lower Upper

278 100

139 101.8 17.0 25.6#

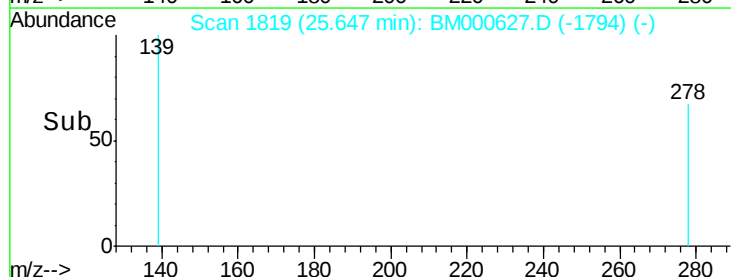
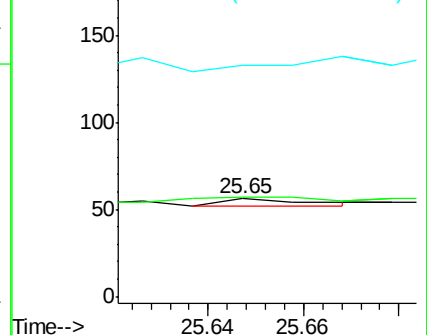
279 237.5 22.3 33.5#

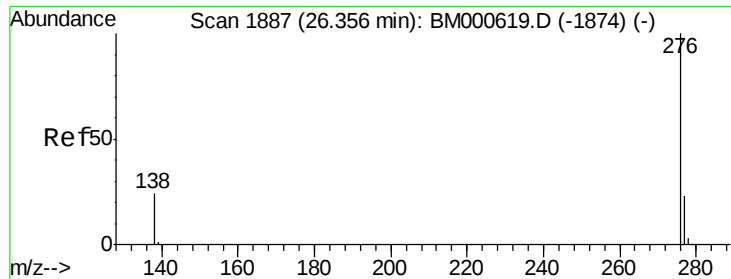


Abundance Ion 278.00 (277.70 to 278.70): E

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: BM000627.D

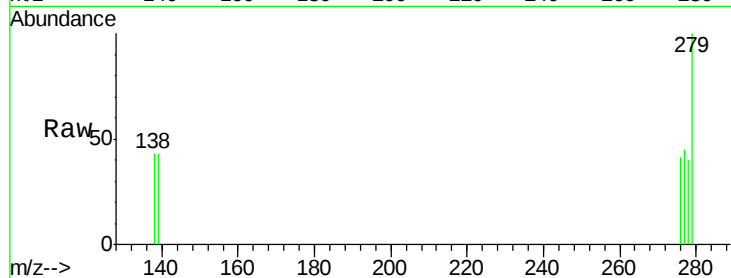
Acq: 03 Mar 2015 21:33

Instrument :

BNA_M

ClientSampleId :

MDL-05-W



Tgt Ion: 276 Resp: 36

Ion Ratio Lower Upper

276 100

277 108.9 19.9 29.9#

138 103.6 20.6 30.8#

