

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000632.D
 Acq On : 04 Mar 2015 01:42
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Quant Time: Mar 04 06:16:18 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	4200	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	14747	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	6965	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	16429	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	9660	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	7588	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	5595	1.83	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.03	152	3	0.00	ng/ul	-0.01
16) Fluoranthene-d10	19.11	212	7	0.00	ng/ul	0.02

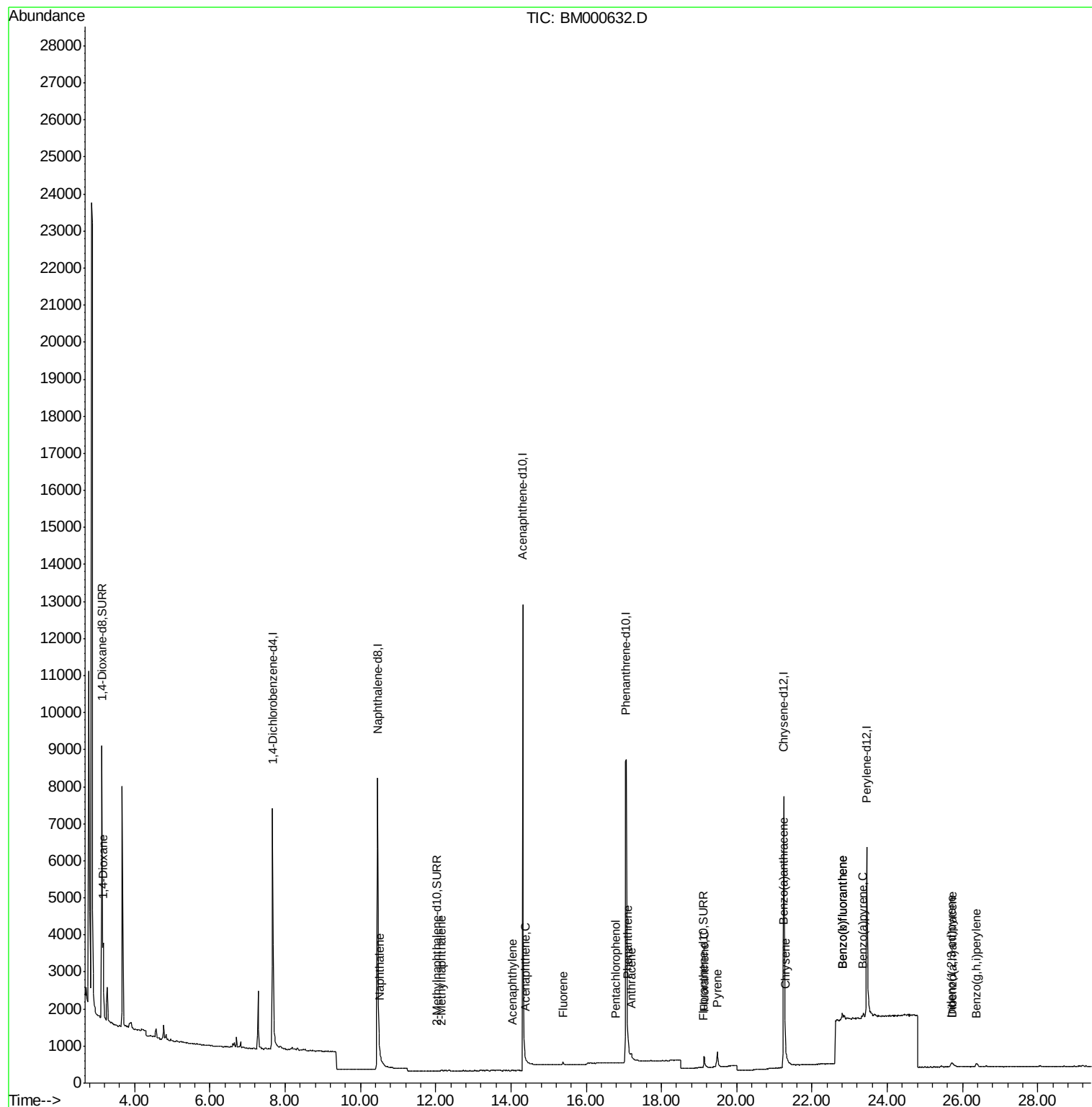
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	3871	0.82	ng/ul#	48
5) Naphthalene	10.50	128	34	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.16	142	28	0.00	ng/ul#	78
9) Acenaphthylene	14.04	152	28	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	32	0.00	ng/ul#	78
11) Fluorene	15.38	166	102	0.00	ng/ul#	56
13) Pentachlorophenol	16.77	266	16	0.01	ng/ul#	18
14) Phenanthrene	17.10	178	343	0.01	ng/ul#	41
15) Anthracene	17.20	178	257	0.01	ng/ul#	12
17) Fluoranthene	19.12	202	469	0.01	ng/ul#	47
19) Pyrene	19.49	202	467	0.01	ng/ul#	62
20) Benzo(a)anthracene	21.24	228	278	0.01	ng/ul#	60
21) Chrysene	21.29	228	363	0.01	ng/ul#	63
23) Benzo(b)fluoranthene	22.80	252	243	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.80	252	243	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	261	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	255	0.01	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.72	278	200	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	251	0.01	ng/ul#	5

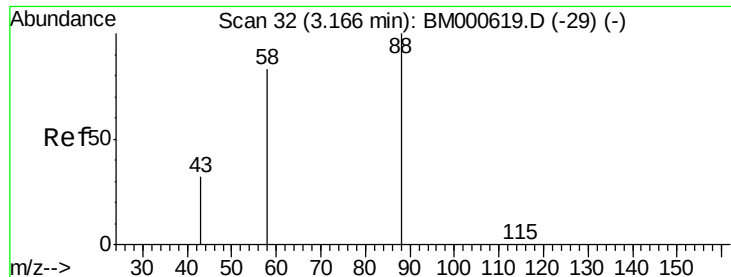
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 02:50:23 2015
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#3

1,4-Dioxane

Concen: 0.82 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

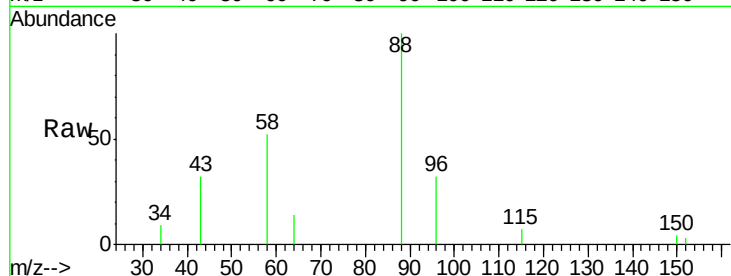
Tgt Ion: 88 Resp: 3871

Ion Ratio Lower Upper

88 100

58 28.6 55.4 83.2#

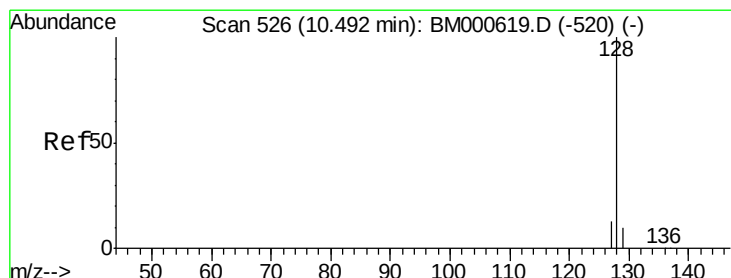
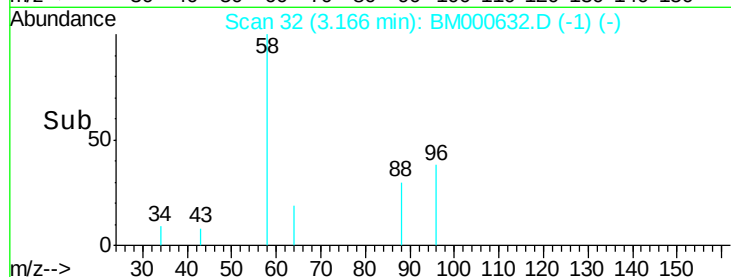
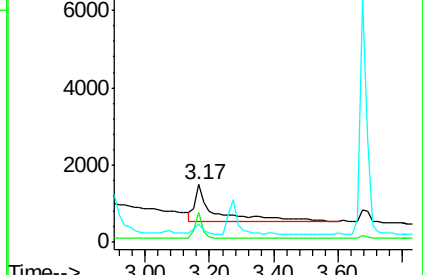
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000632.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000632.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000632.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

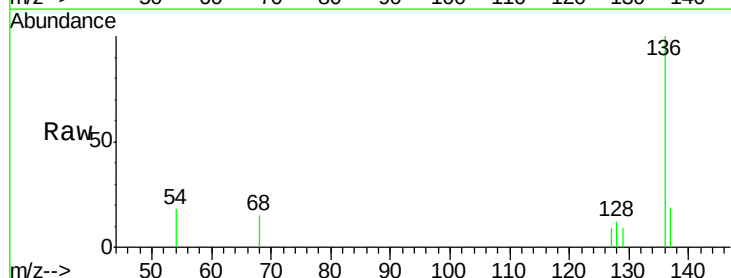
Tgt Ion: 128 Resp: 34

Ion Ratio Lower Upper

128 100

129 79.1 8.5 12.7#

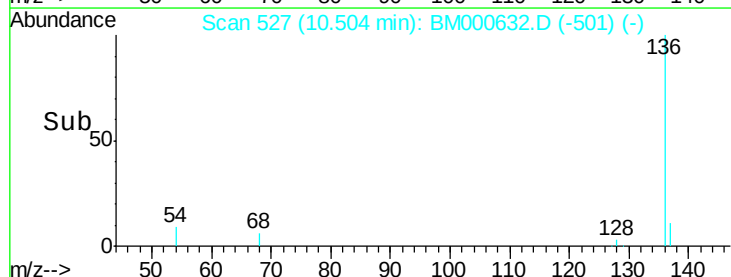
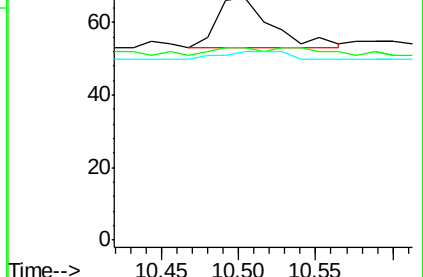
127 77.6 11.0 16.6#

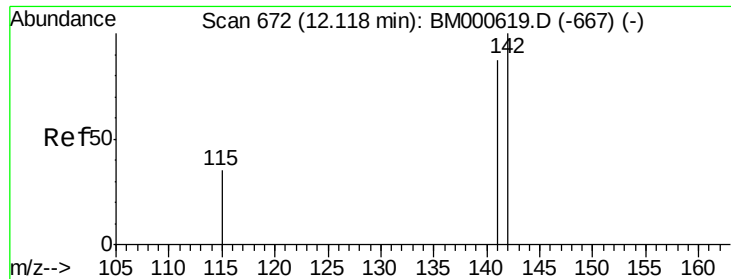


Abundance Ion 128.00 (127.70 to 128.70): BM000632.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000632.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000632.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.16 min Scan# 676

Delta R.T. 0.04 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

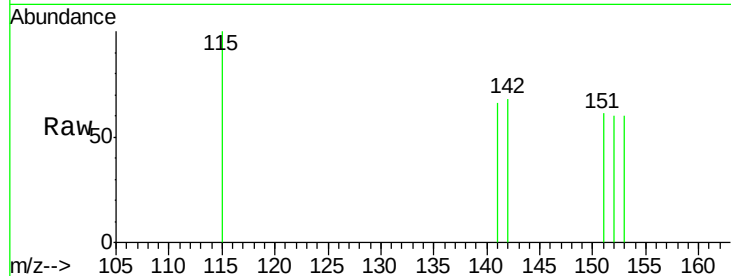
MDL-01-S

Tgt Ion:142 Resp: 28

Ion Ratio Lower Upper

142 100

141 67.9 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

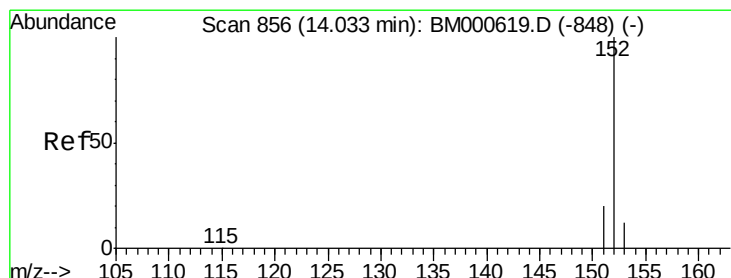
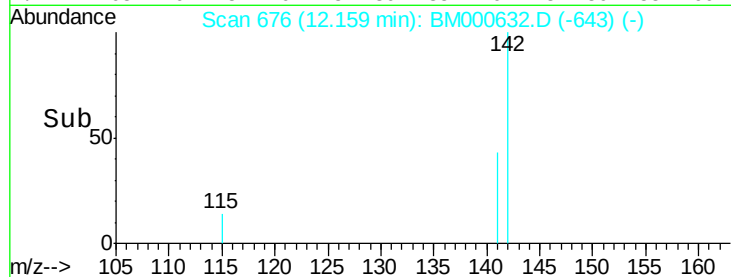
30

20

10

0

Time--> 12.10 12.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

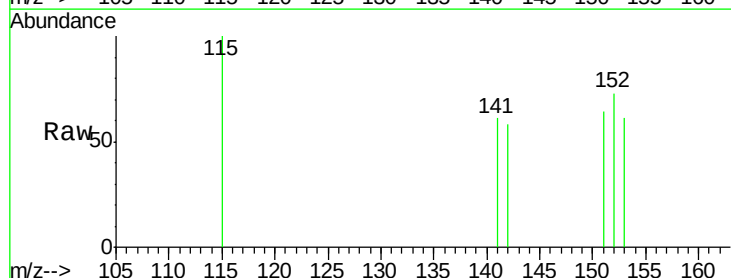
Tgt Ion:152 Resp: 28

Ion Ratio Lower Upper

152 100

151 87.1 16.0 24.0#

153 83.9 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

80

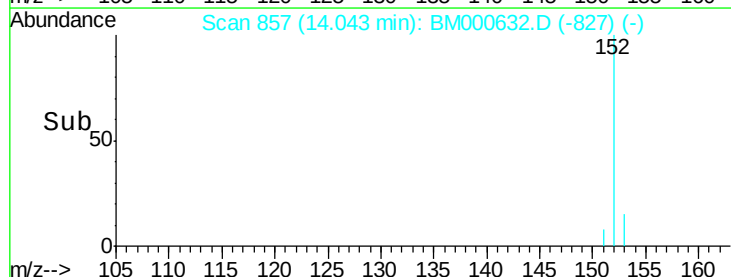
60

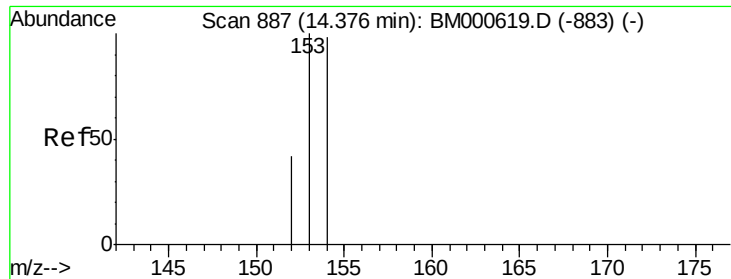
40

20

0

Time--> 14.00 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampled :

MDL-01-S

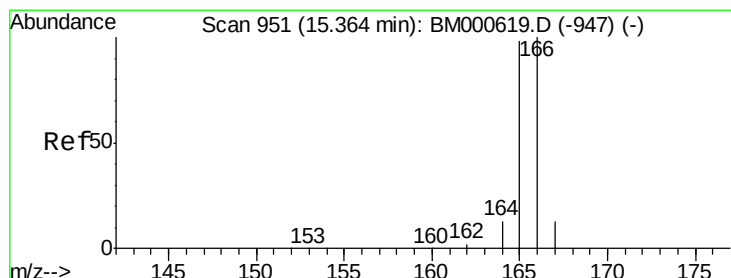
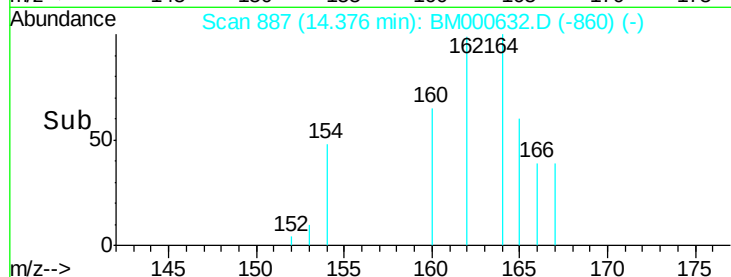
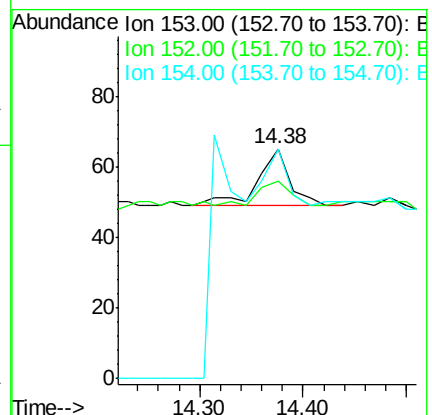
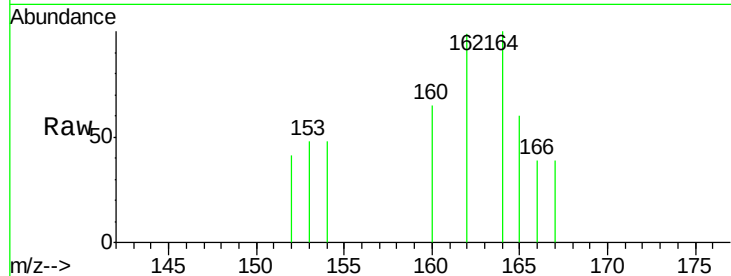
Tgt Ion:153 Resp: 32

Ion Ratio Lower Upper

153 100

152 86.2 34.2 51.2#

154 100.0 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: BM000632.D

Acq: 04 Mar 2015 01:42

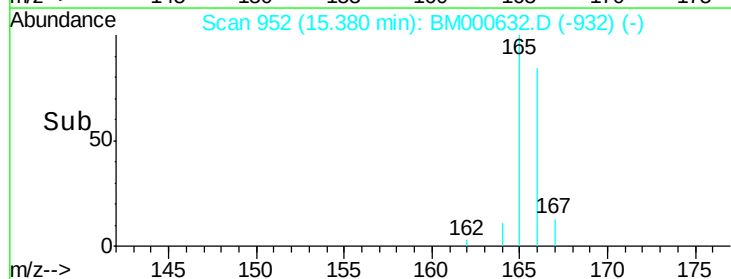
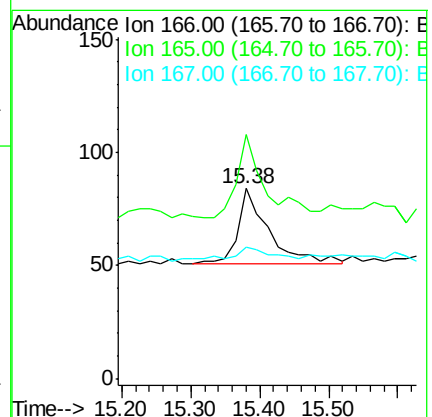
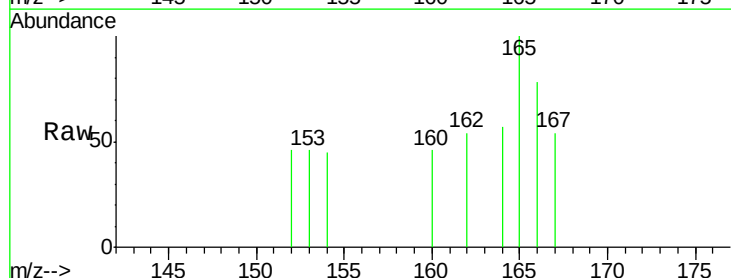
Tgt Ion:166 Resp: 102

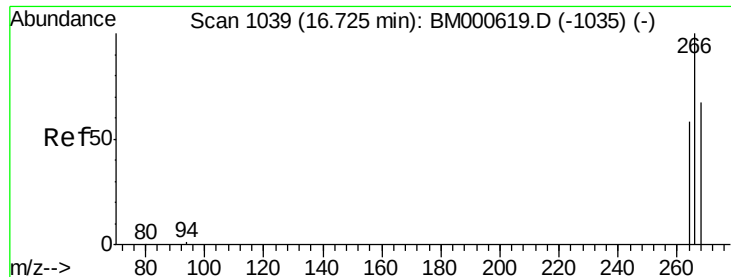
Ion Ratio Lower Upper

166 100

165 128.6 78.5 117.7#

167 69.0 10.6 16.0#

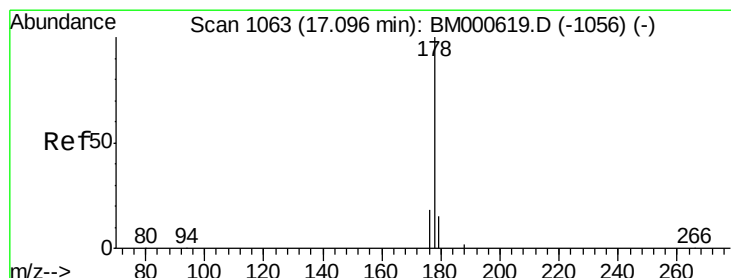
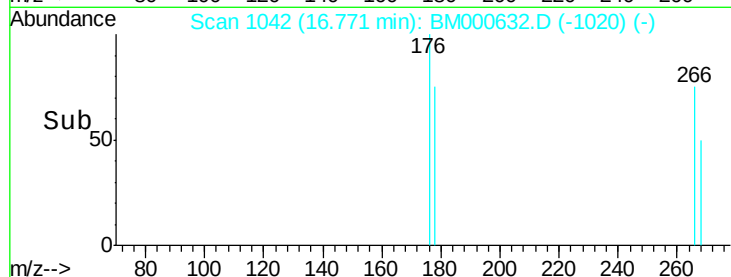
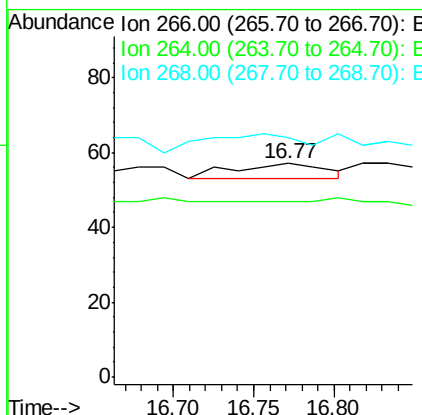
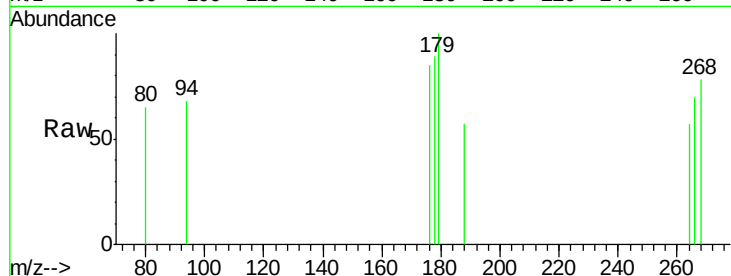




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.77 min Scan# 1042
 Delta R.T. 0.05 min
 Lab File: BM000632.D
 Acq: 04 Mar 2015 01:42

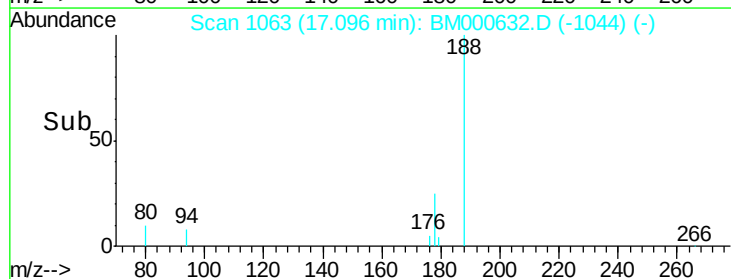
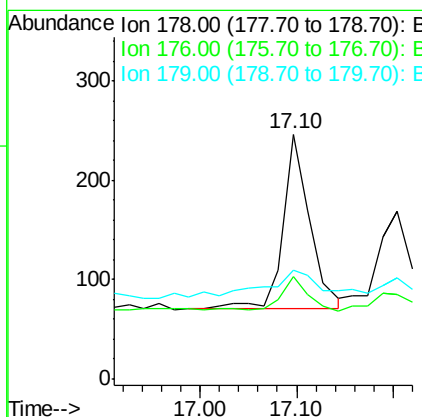
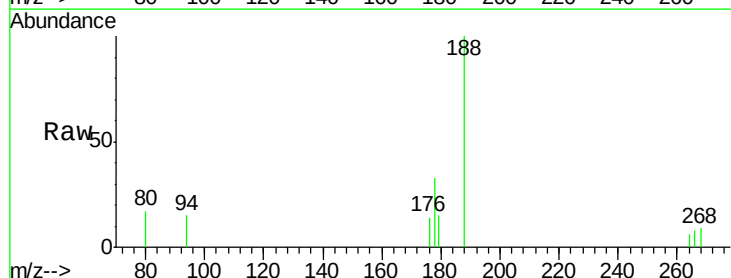
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

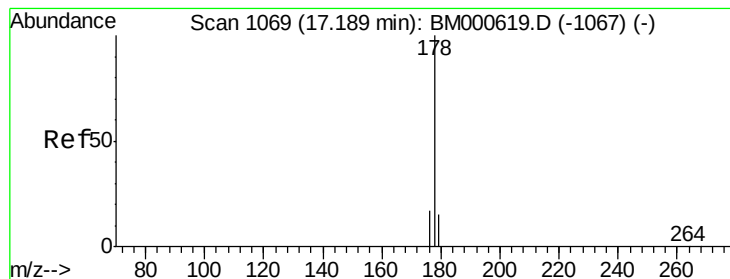
Tgt Ion: 266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.4#
 268 125.0 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000632.D
 Acq: 04 Mar 2015 01:42

Tgt Ion: 178 Resp: 343
 Ion Ratio Lower Upper
 178 100
 176 41.9 14.8 22.2#
 179 44.3 12.7 19.1#





#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.20 min Scan# 1070

Delta R.T. 0.02 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

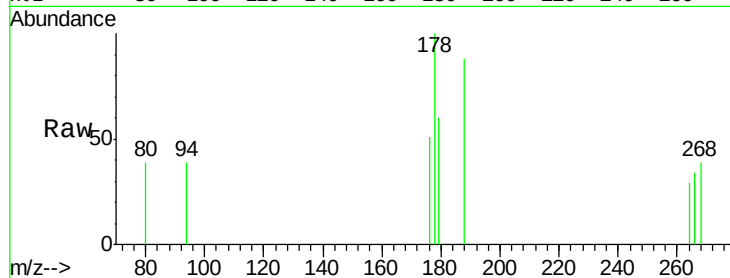
Tgt Ion:178 Resp: 257

Ion Ratio Lower Upper

178 100

176 50.6 14.2 21.4#

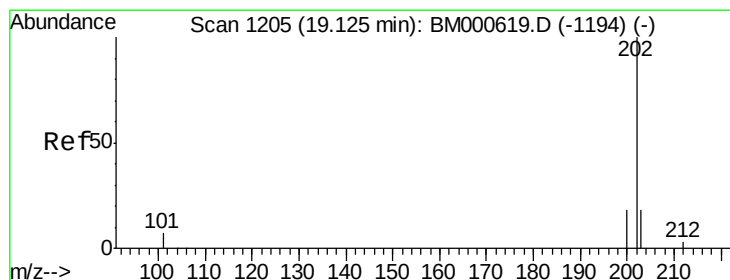
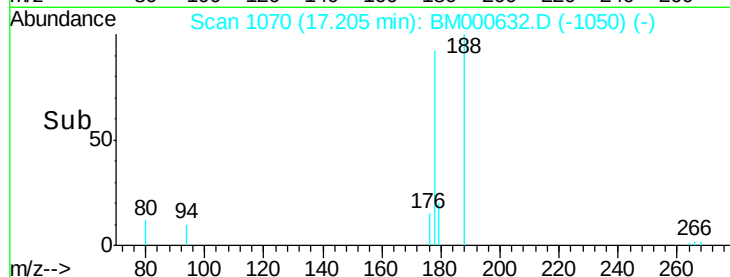
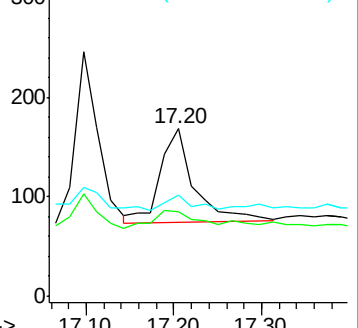
179 60.1 12.8 19.2#



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: 0.01 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

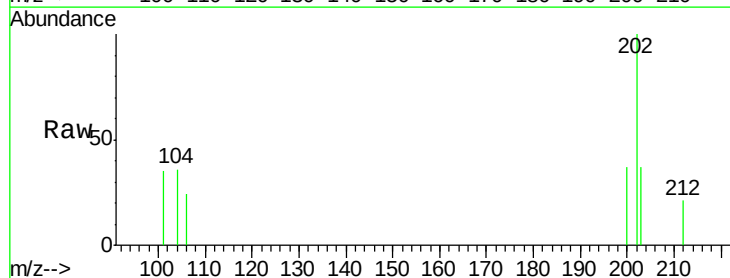
Tgt Ion:202 Resp: 469

Ion Ratio Lower Upper

202 100

101 34.6 0.0 27.0#

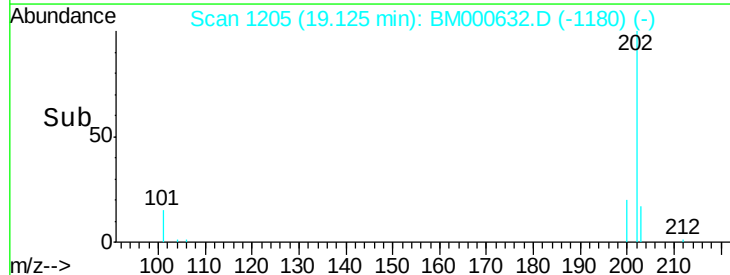
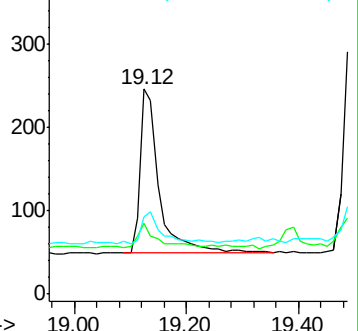
203 37.4 0.0 38.5

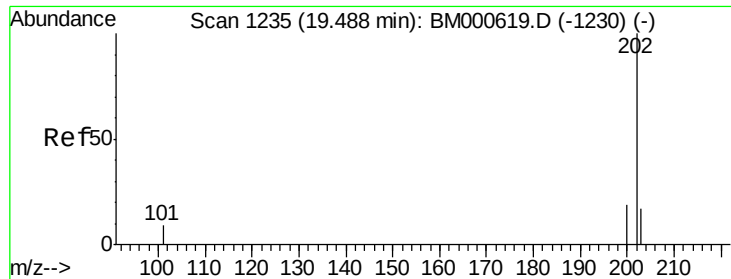


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.01 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

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MDL-01-S

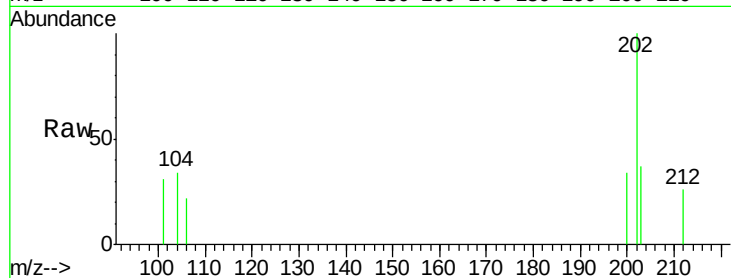
Tgt Ion:202 Resp: 467

Ion Ratio Lower Upper

202 100

200 34.5 15.5 23.3#

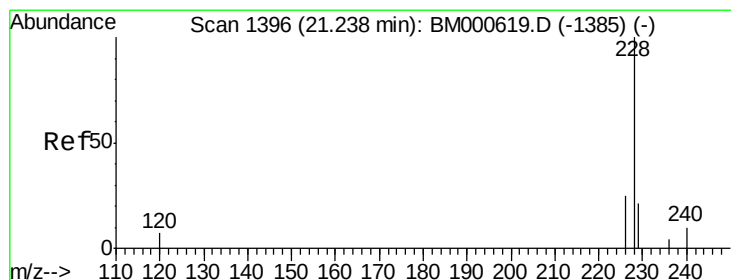
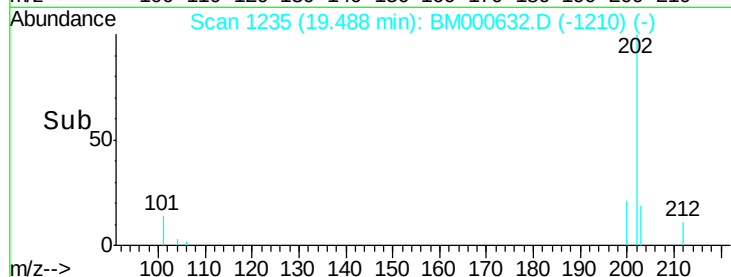
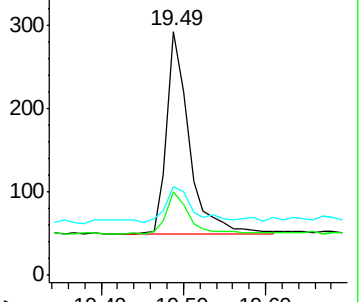
203 36.5 14.2 21.2#



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: 0.01 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

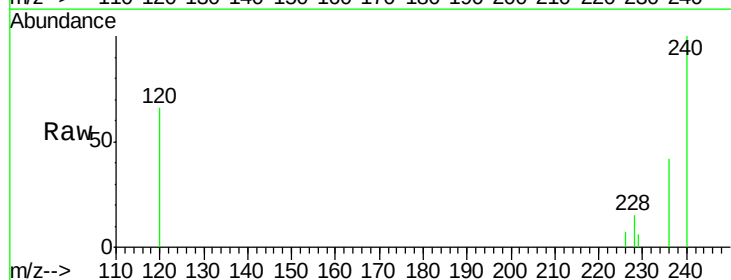
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 44.5 20.0 30.0#

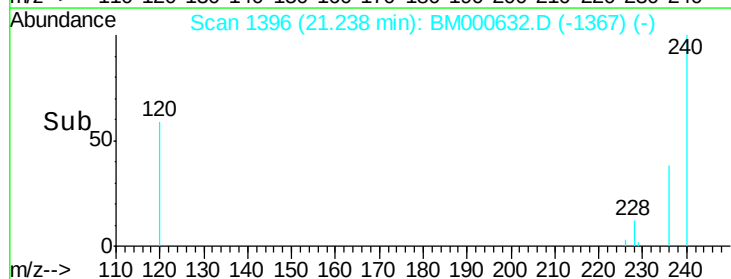
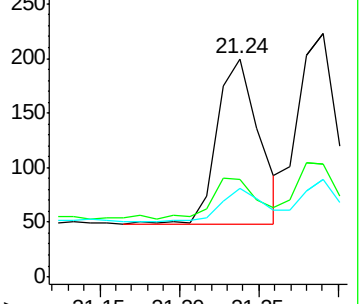
229 40.5 16.7 25.1#

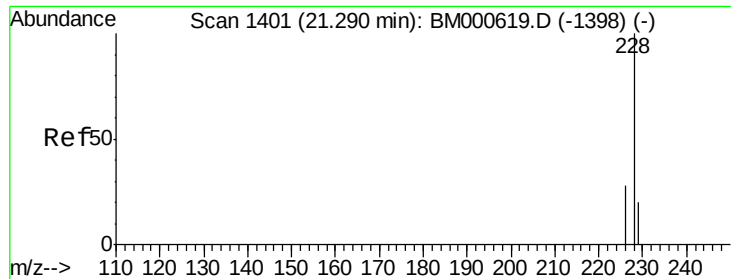


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

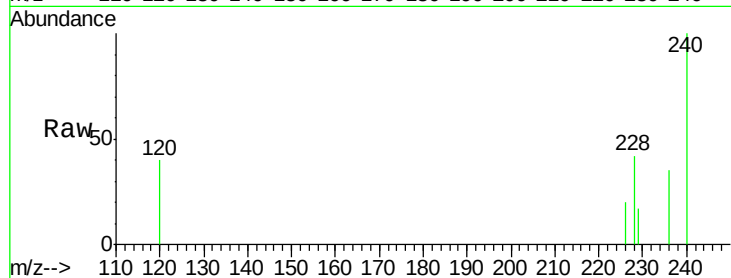
Tgt Ion:228 Resp: 363

Ion Ratio Lower Upper

228 100

226 46.2 22.6 33.8#

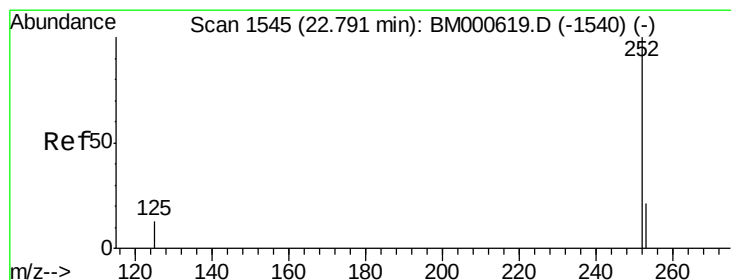
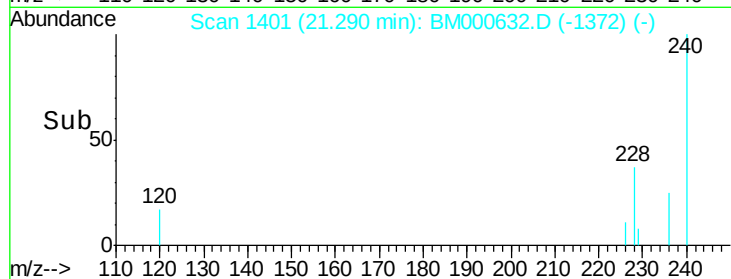
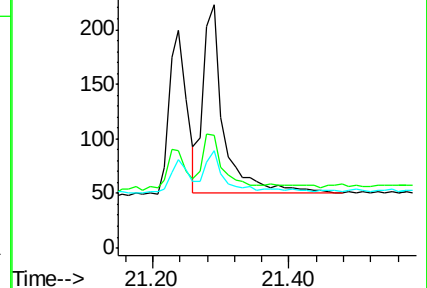
229 39.9 16.4 24.6#



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: 0.01 ng/ul

RT: 22.80 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

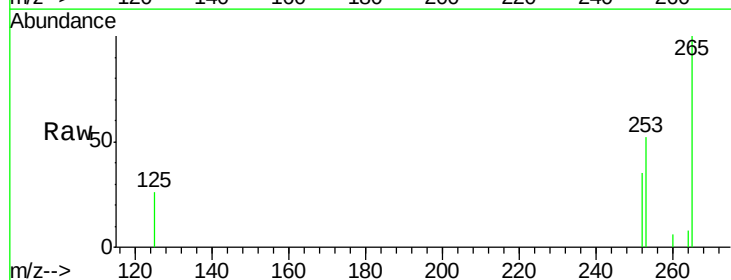
Tgt Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

253 146.8 0.0 51.2#

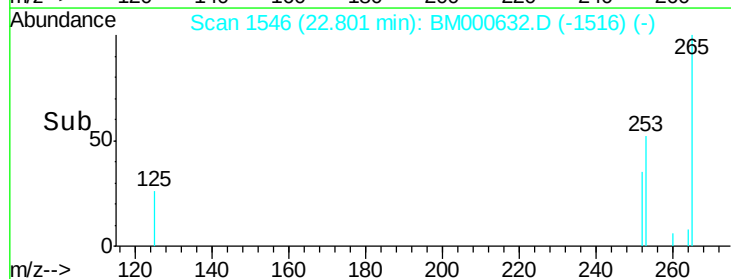
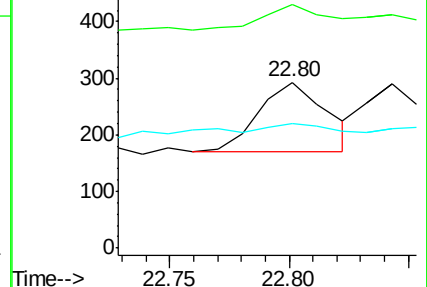
125 74.7 0.0 30.0#

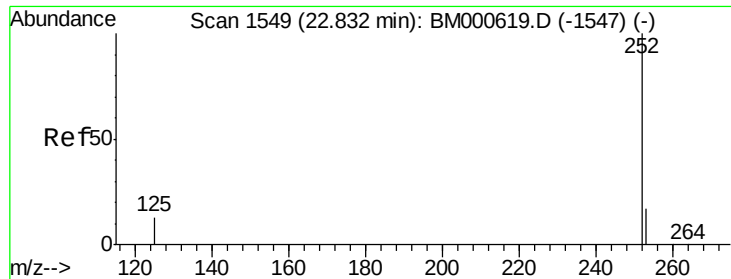


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.80 min Scan# 1546

Delta R.T. -0.03 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

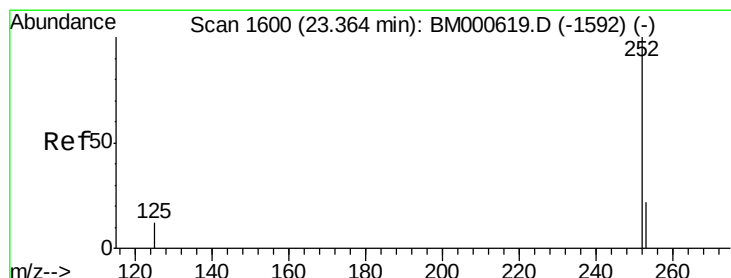
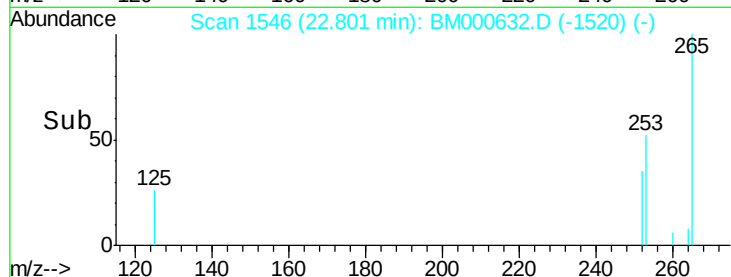
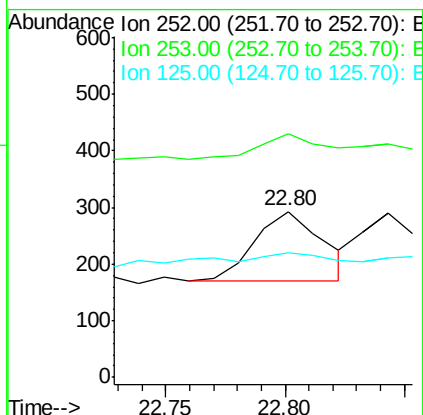
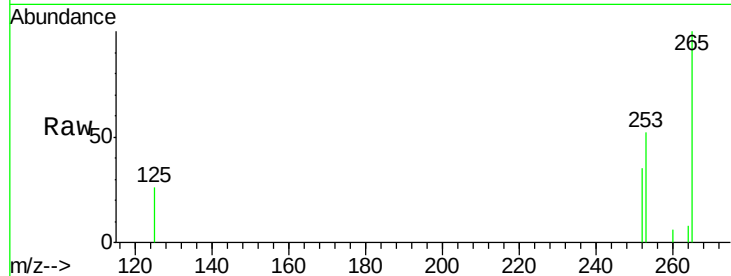
Tgt Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

253 146.8 20.5 30.7#

125 74.7 11.8 17.6#



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

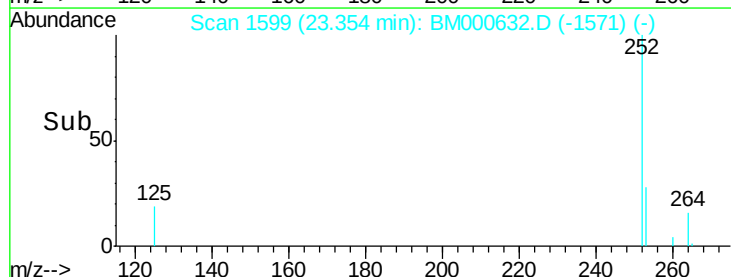
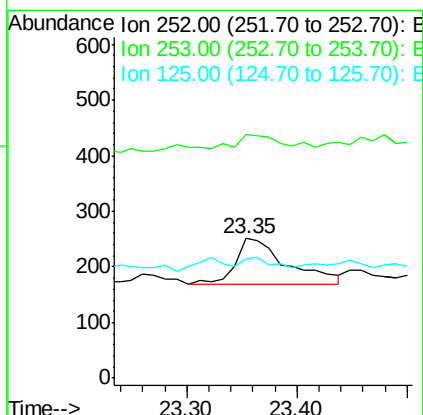
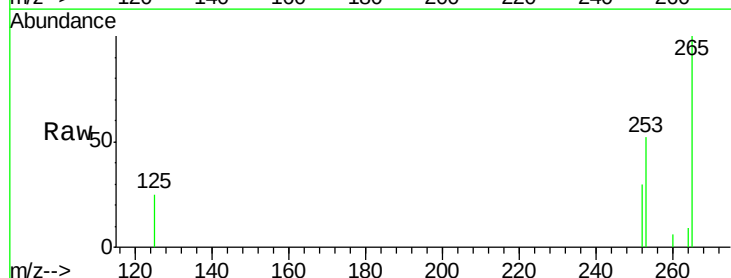
Tgt Ion:252 Resp: 261

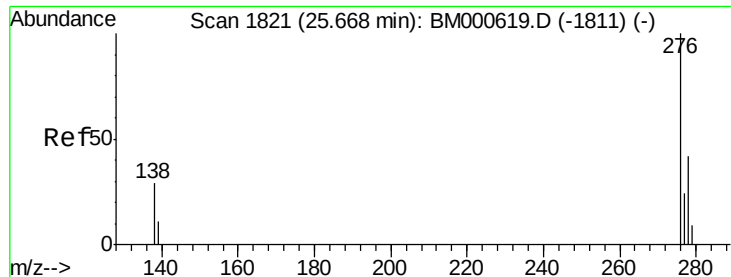
Ion Ratio Lower Upper

252 100

253 174.5 23.4 35.0#

125 85.3 12.2 18.4#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.70 min Scan# 1824

Delta R.T. 0.03 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

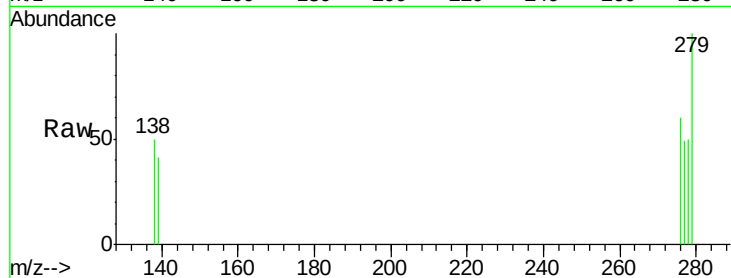
Tgt Ion: 276 Resp: 255

Ion Ratio Lower Upper

276 100

138 30.2 23.8 35.8

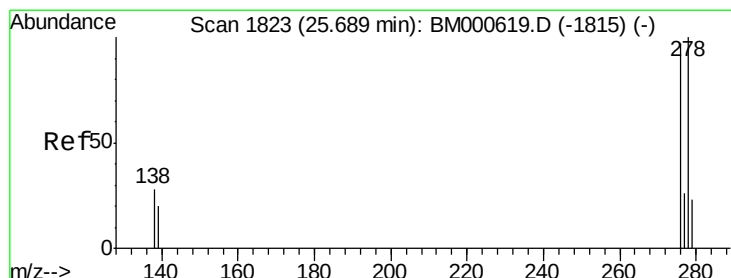
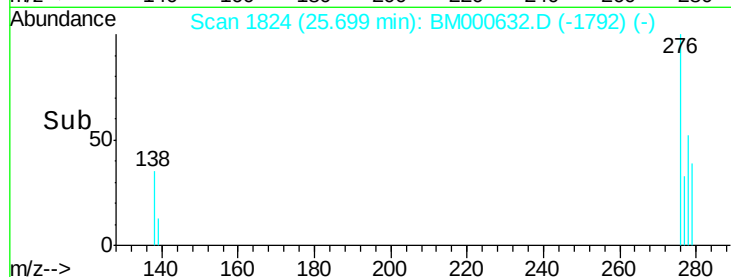
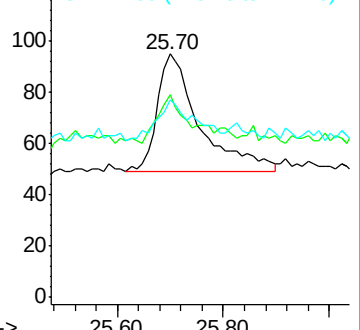
277 30.6 19.7 29.5#



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: 0.01 ng/ul

RT: 25.72 min Scan# 1826

Delta R.T. 0.03 min

Lab File: BM000632.D

Acq: 04 Mar 2015 01:42

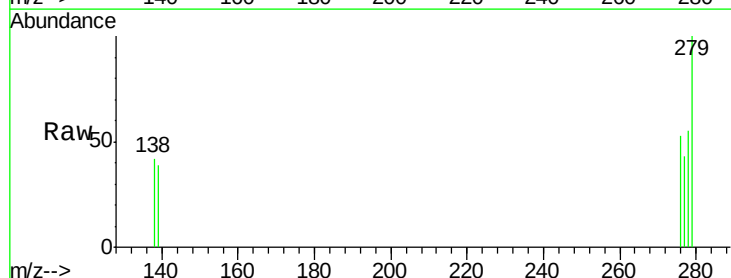
Tgt Ion: 278 Resp: 200

Ion Ratio Lower Upper

278 100

139 71.7 17.0 25.6#

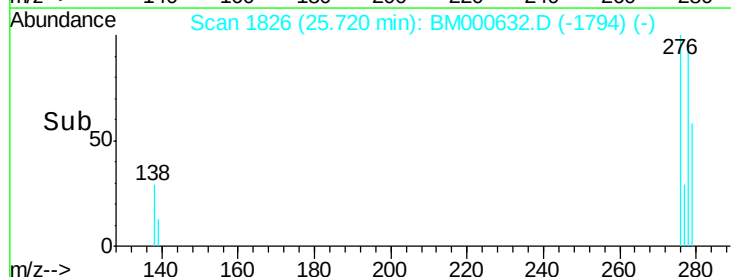
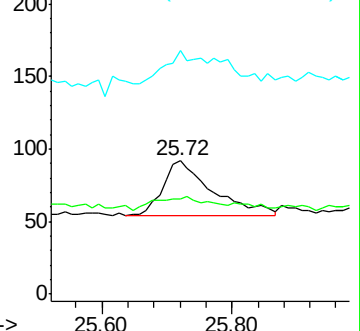
279 182.6 22.3 33.5#

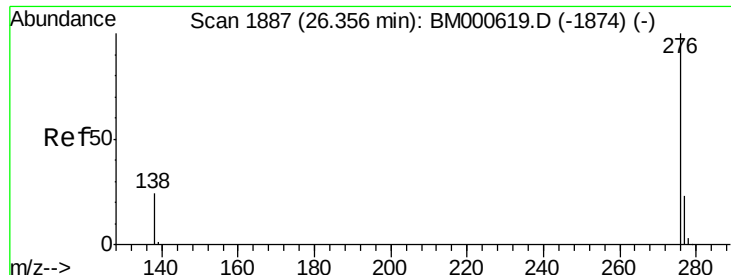


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM000632.D

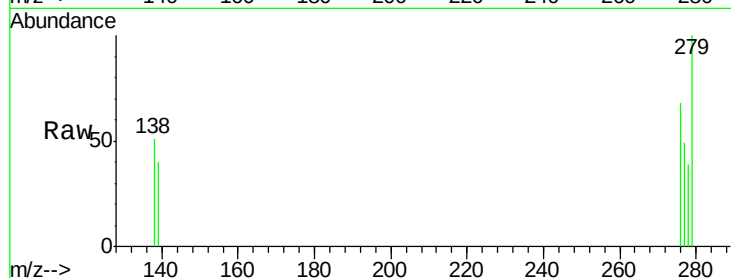
Acq: 04 Mar 2015 01:42

Instrument :

BNA_M

ClientSampleId :

MDL-01-S



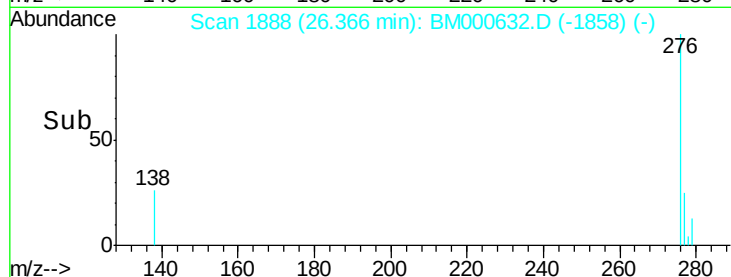
Tgt Ion: 276 Resp: 251

Ion Ratio Lower Upper

276 100

277 72.1 19.9 29.9#

138 74.0 20.6 30.8#



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

