

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000637.D
 Acq On : 04 Mar 2015 04:40
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Quant Time: Mar 04 06:18:32 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	4323	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	15420	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	7247	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	19103	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	14614	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	11365	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	5842	1.85	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	1	0.00	ng/ul	-0.02
16) Fluoranthene-d10	19.10	212	12	0.00	ng/ul	0.01

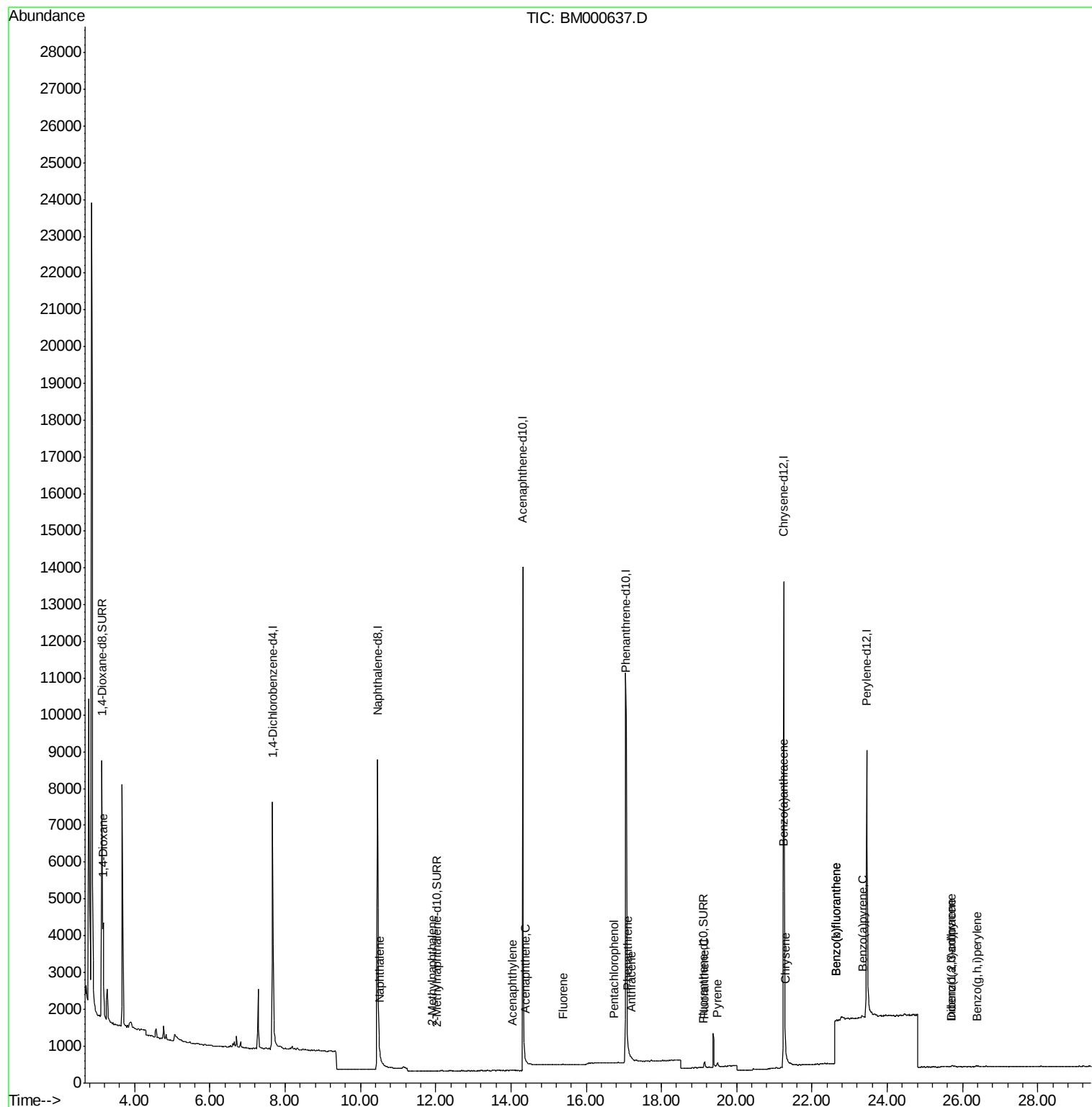
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	4576	0.94	ng/ul#	51
5) Naphthalene	10.50	128	58	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.90	142	3	0.00	ng/ul	87
9) Acenaphthylene	14.04	152	26	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	23	0.00	ng/ul#	76
11) Fluorene	15.38	166	38	0.00	ng/ul#	51
13) Pentachlorophenol	16.74	266	9	0.01	ng/ul#	48
14) Phenanthrene	17.10	178	127	0.00	ng/ul#	1
15) Anthracene	17.19	178	56	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	115	0.00	ng/ul#	1
19) Pyrene	19.49	202	137	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.24	228	124	0.00	ng/ul#	29
21) Chrysene	21.28	228	118	0.00	ng/ul#	23
23) Benzo(b)fluoranthene	22.64	252	856	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.64	252	856	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	83	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	75	0.00	ng/ul#	84
27) Dibenzo(a,h)anthracene	25.71	278	61	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	78	0.00	ng/ul#	1

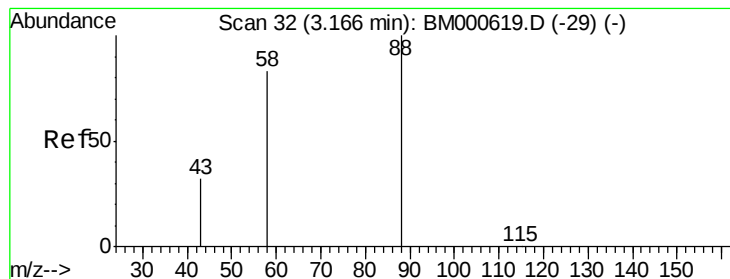
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

1,4-Dioxane

Concen: 0.94 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

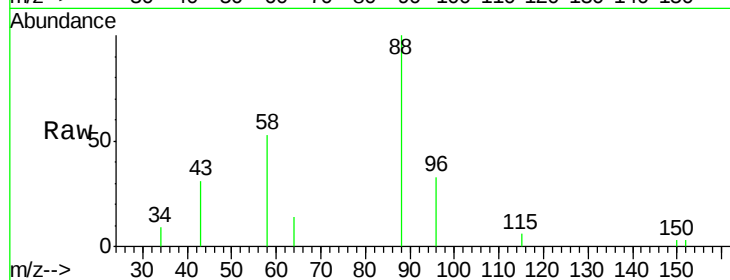
Tgt Ion: 88 Resp: 4576

Ion Ratio Lower Upper

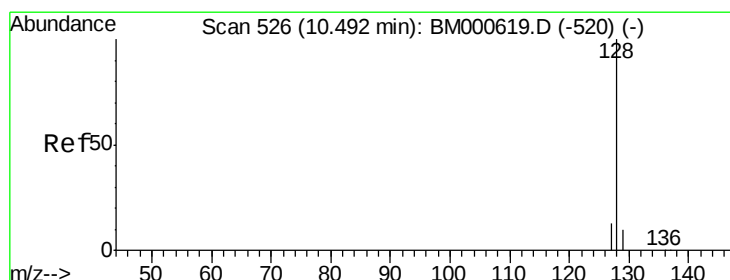
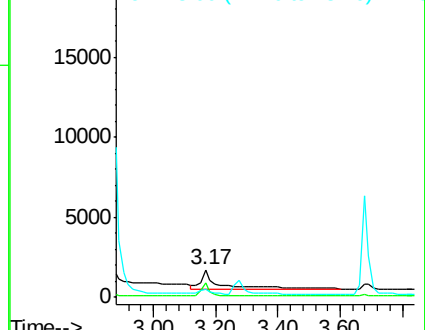
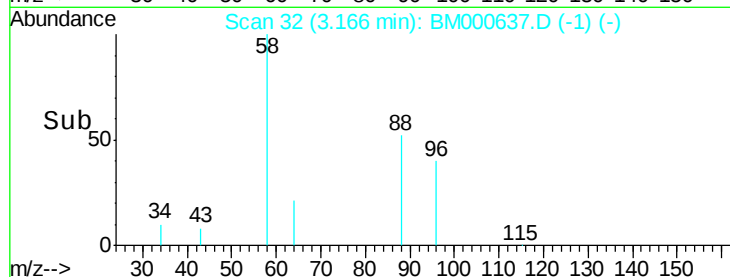
88 100

58 31.6 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000637.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

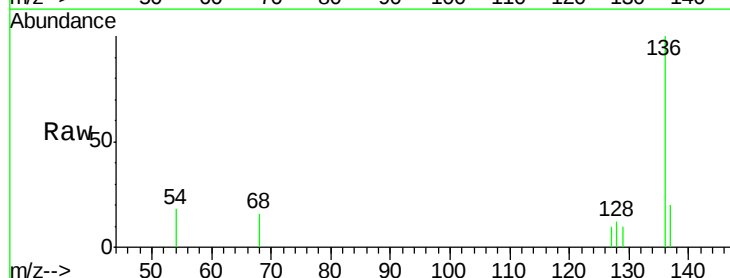
Tgt Ion: 128 Resp: 58

Ion Ratio Lower Upper

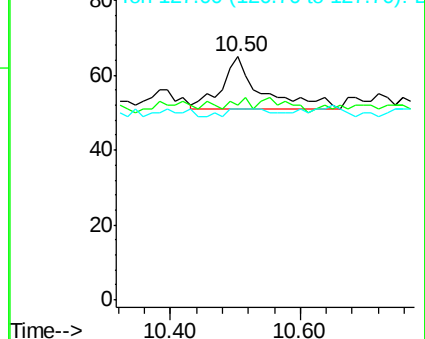
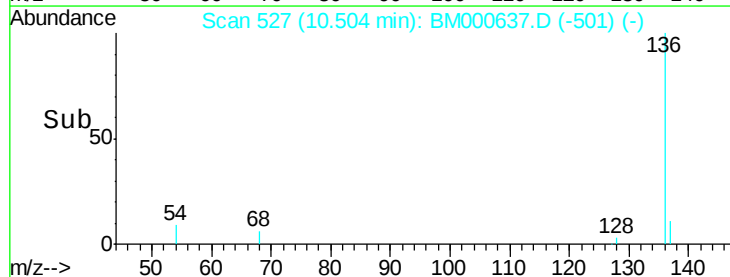
128 100

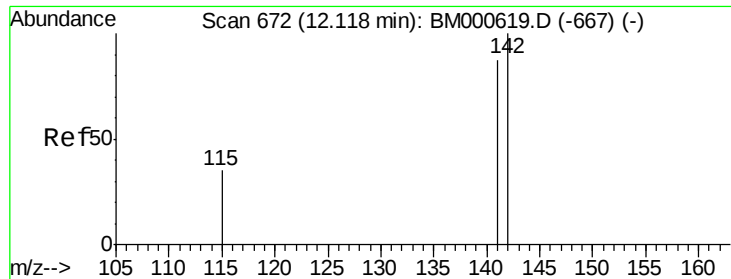
129 80.0 8.5 12.7#

127 78.5 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): BM000637.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.90 min Scan# 651

Delta R.T. -0.22 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

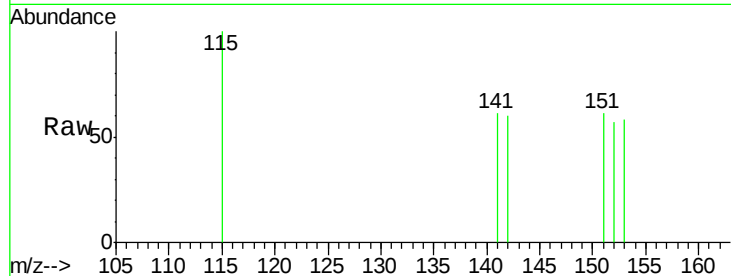
MDL-06-S

Tgt Ion:142 Resp: 3

Ion Ratio Lower Upper

142 100

141 100.0 70.6 106.0

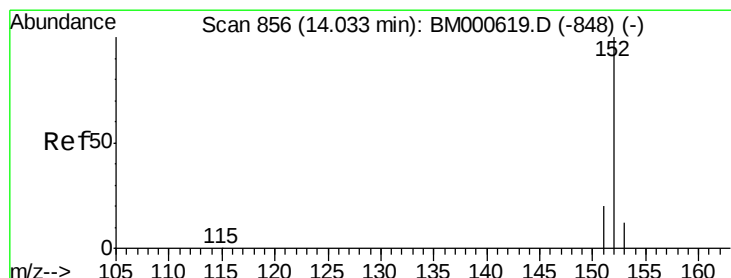
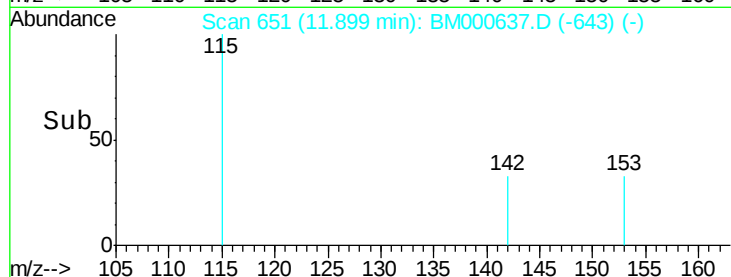


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.90

Time--> 11.86 11.88 11.90 11.92



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

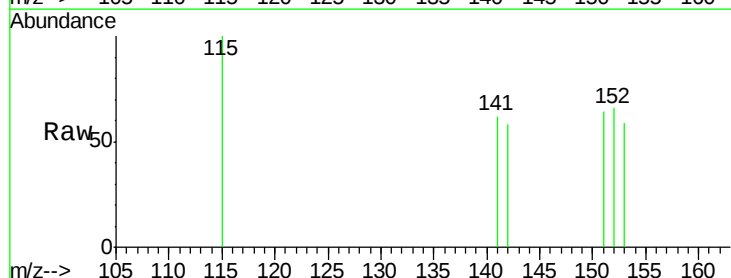
Tgt Ion:152 Resp: 26

Ion Ratio Lower Upper

152 100

151 96.4 16.0 24.0#

153 89.3 10.2 15.4#



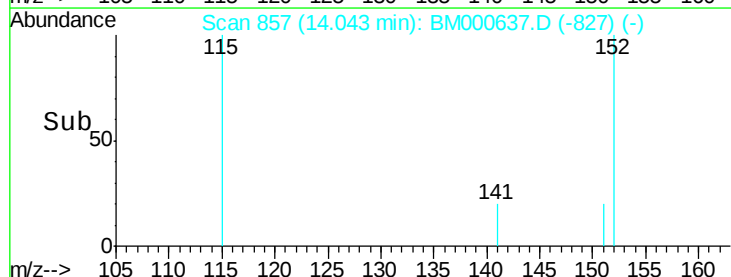
Abundance Ion 152.00 (151.70 to 152.70): E

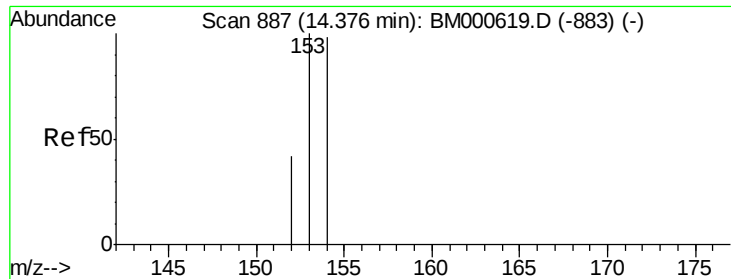
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

Time--> 14.00 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

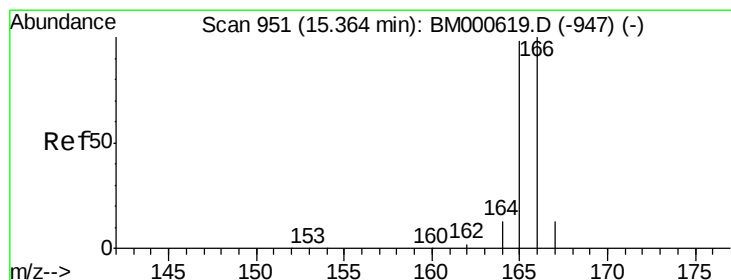
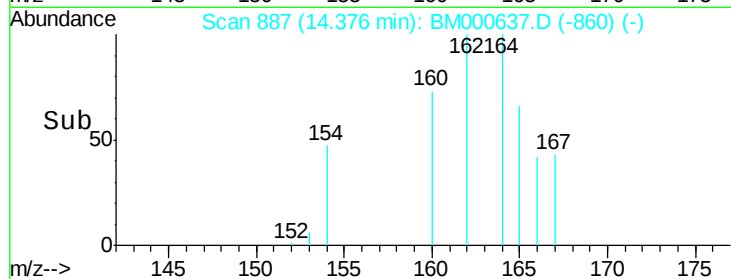
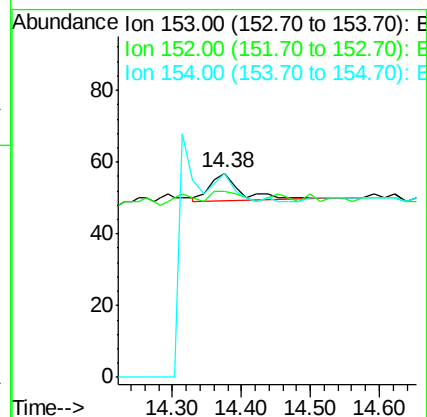
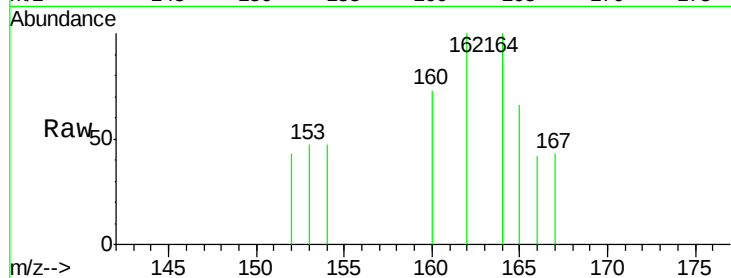
Tgt Ion:153 Resp: 23

Ion Ratio Lower Upper

153 100

152 91.2 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: BM000637.D

Acq: 04 Mar 2015 04:40

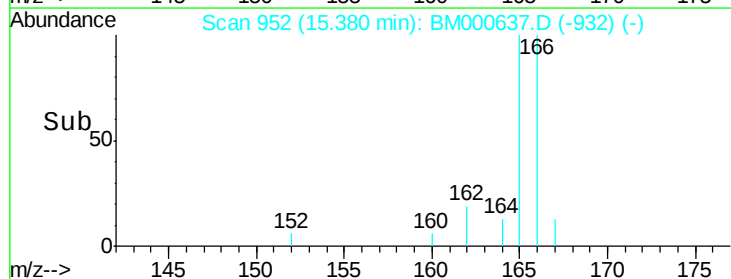
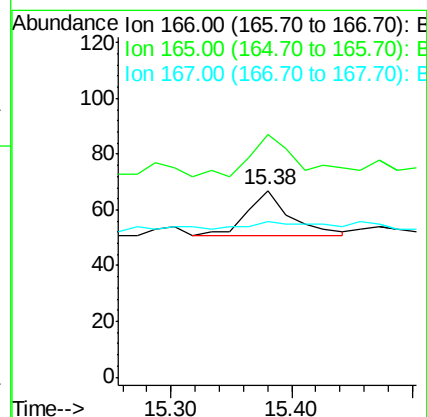
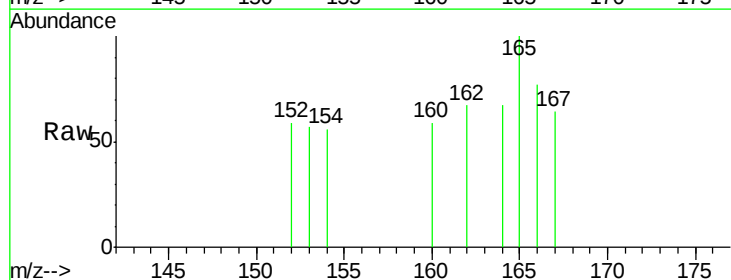
Tgt Ion:166 Resp: 38

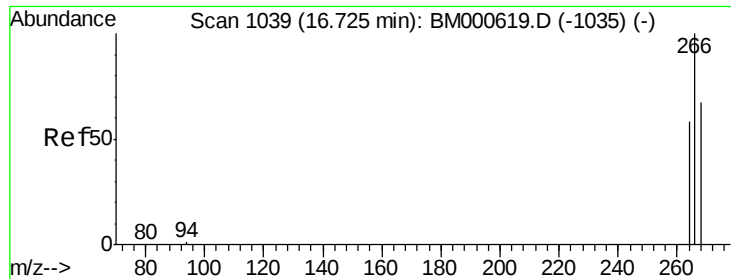
Ion Ratio Lower Upper

166 100

165 129.9 78.5 117.7#

167 83.6 10.6 16.0#





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.74 min Scan# 1040

Delta R.T. 0.02 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

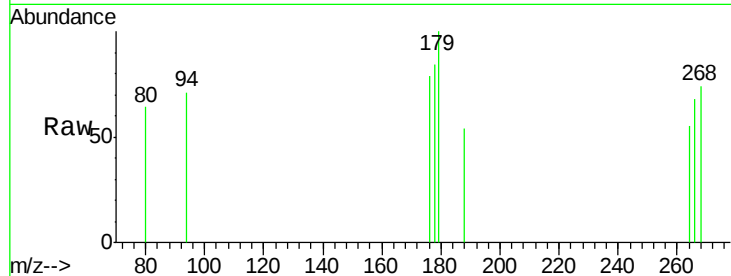
Tgt Ion: 266 Resp: 9

Ion Ratio Lower Upper

266 100

264 0.0 51.0 76.4#

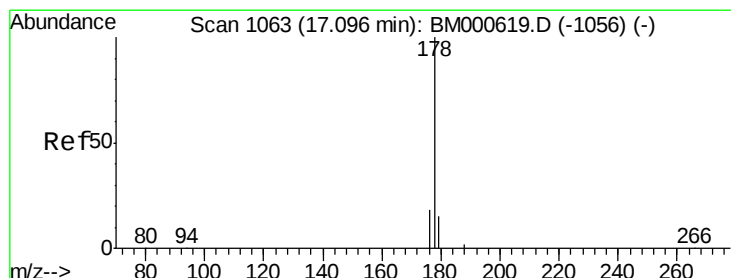
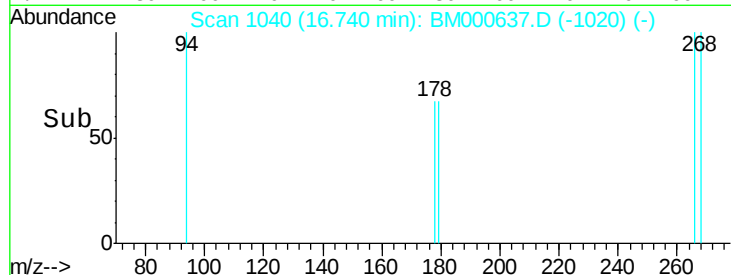
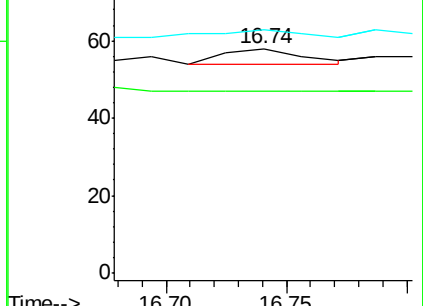
268 77.8 49.4 74.2#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

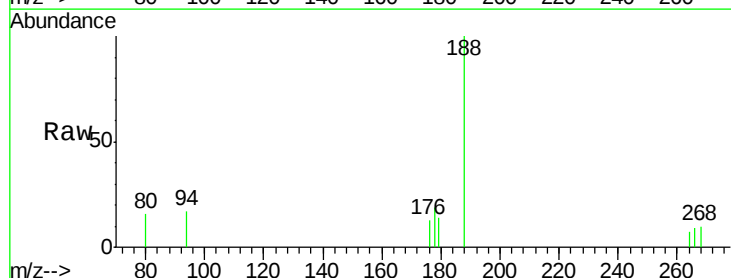
Tgt Ion: 178 Resp: 127

Ion Ratio Lower Upper

178 100

176 65.6 14.8 22.2#

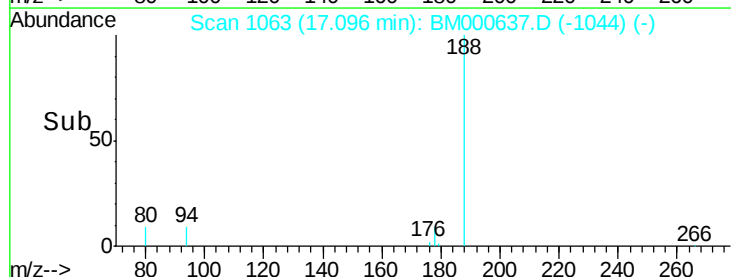
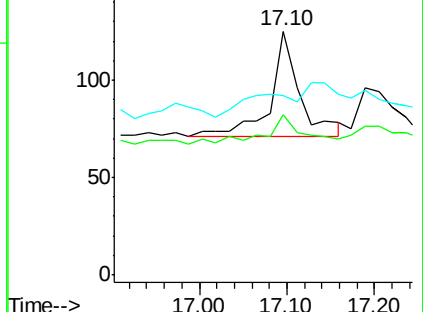
179 73.6 12.7 19.1#

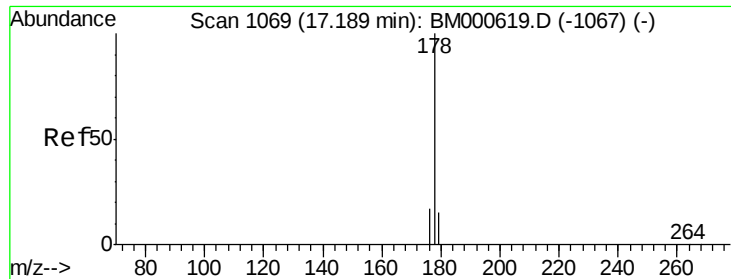


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

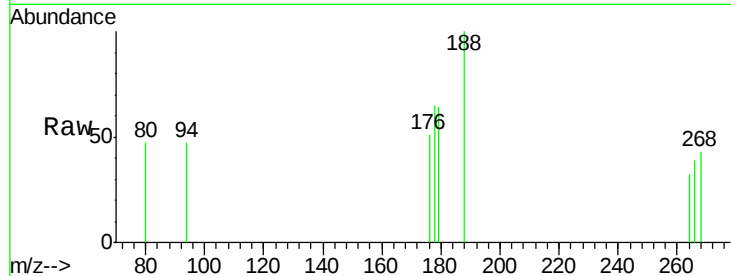
Tgt Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 79.2 14.2 21.4#

179 99.0 12.8 19.2#



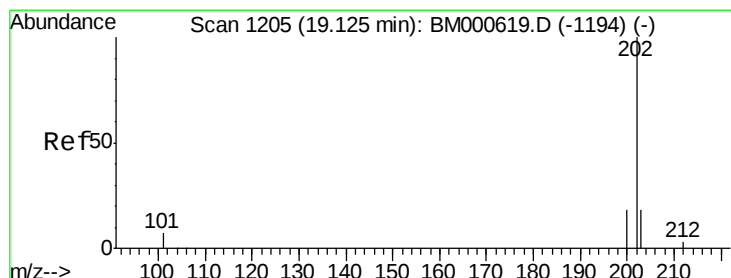
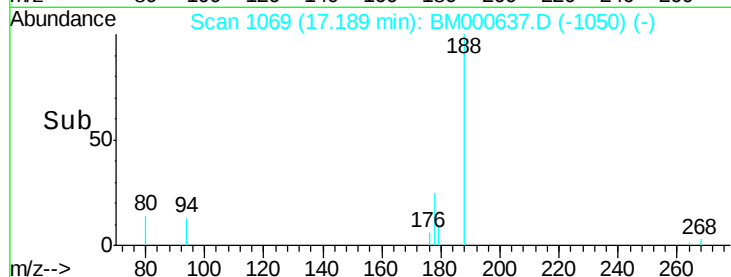
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.19

Time-->



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

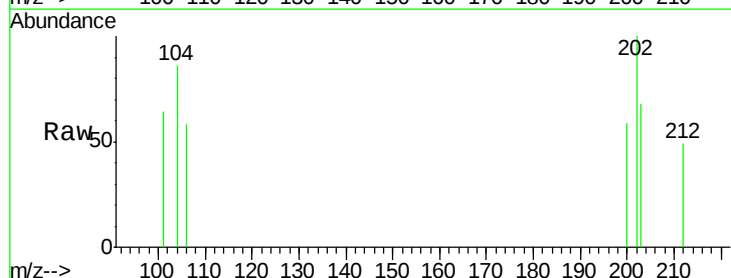
Tgt Ion:202 Resp: 115

Ion Ratio Lower Upper

202 100

101 64.2 0.0 27.0#

203 67.9 0.0 38.5#



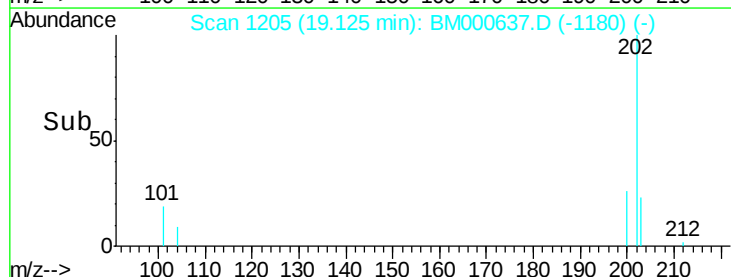
Abundance Ion 202.00 (201.70 to 202.70): E

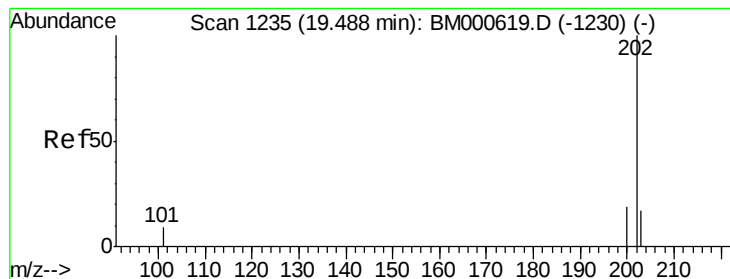
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.12

Time-->





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

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ClientSampleId :

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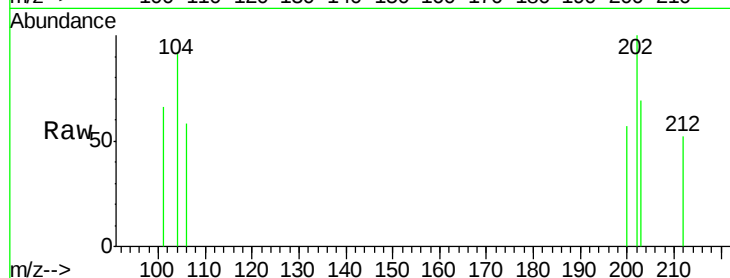
Tgt Ion:202 Resp: 137

Ion Ratio Lower Upper

202 100

200 57.1 15.5 23.3#

203 68.8 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

150

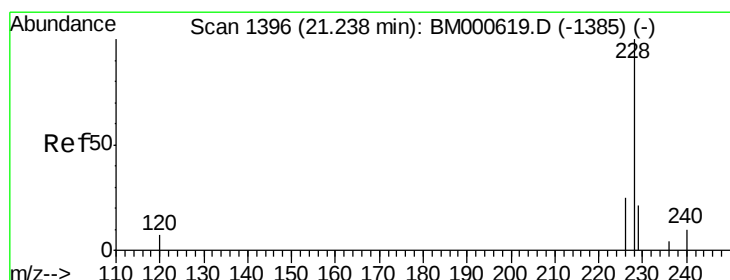
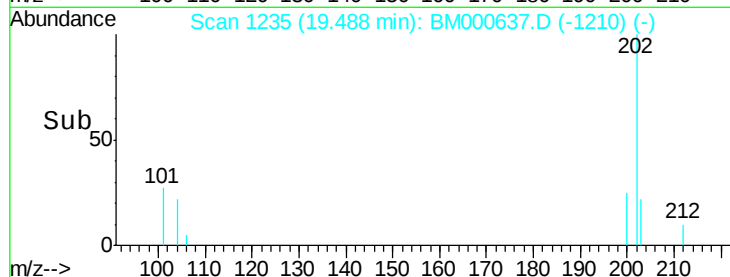
100

50

0

19.40 19.50 19.60

Time-->



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

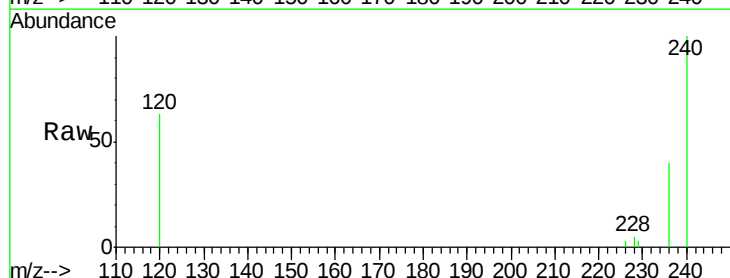
Tgt Ion:228 Resp: 124

Ion Ratio Lower Upper

228 100

226 58.1 20.0 30.0#

229 56.4 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

150

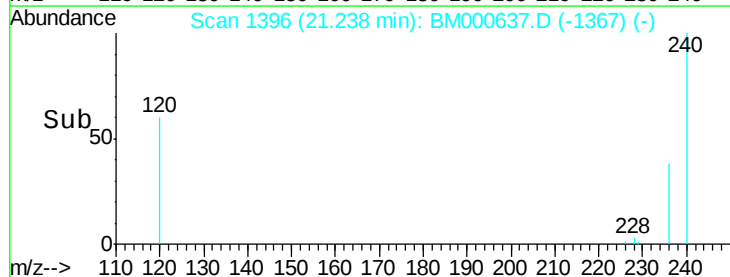
100

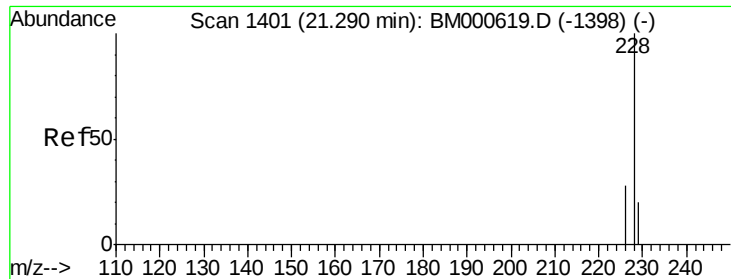
50

0

21.20 21.25

Time-->





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

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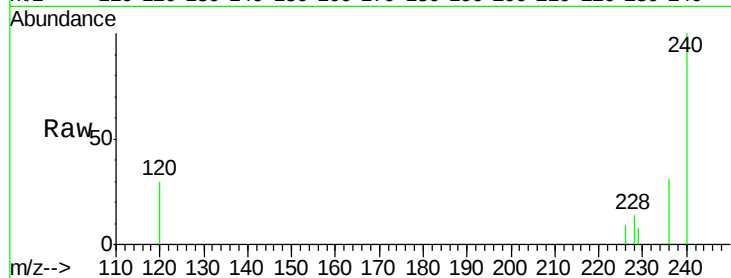
Tgt Ion:228 Resp: 118

Ion Ratio Lower Upper

228 100

226 67.9 22.6 33.8#

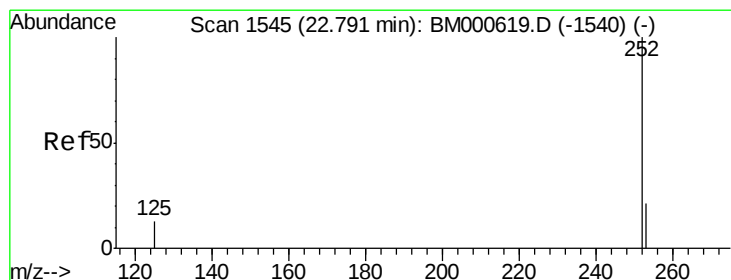
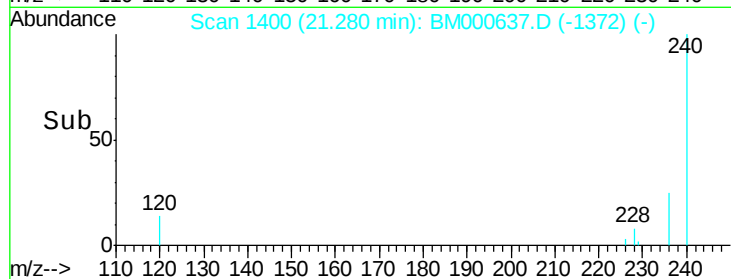
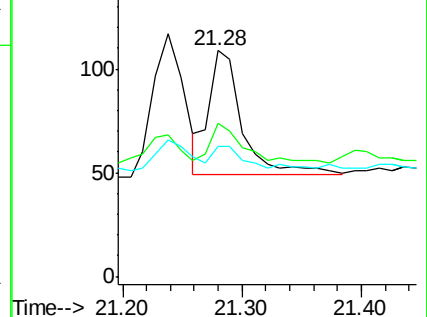
229 57.8 16.4 24.6#



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: 0.02 ng/ul

RT: 22.64 min Scan# 1531

Delta R.T. -0.15 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

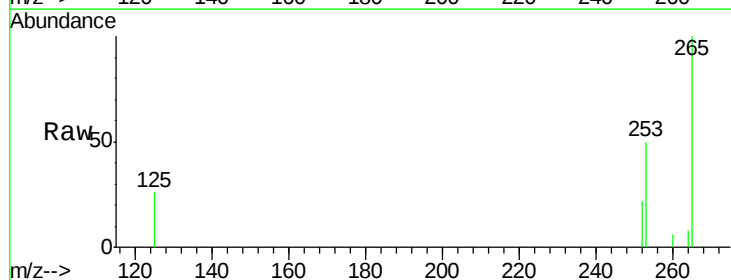
Tgt Ion:252 Resp: 856

Ion Ratio Lower Upper

252 100

253 225.4 0.0 51.2#

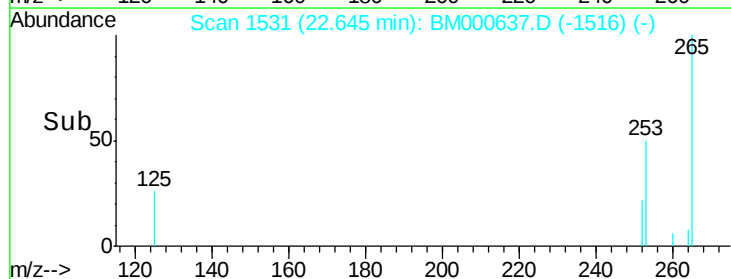
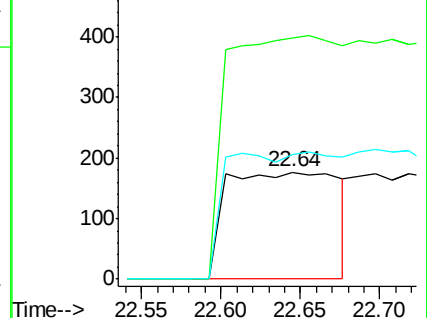
125 116.4 0.0 30.0#

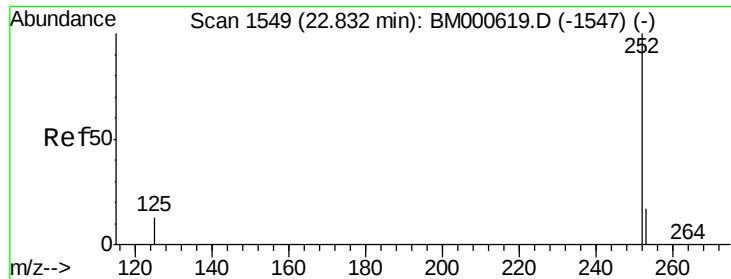


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 22.64 min Scan# 1531

Delta R.T. -0.19 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

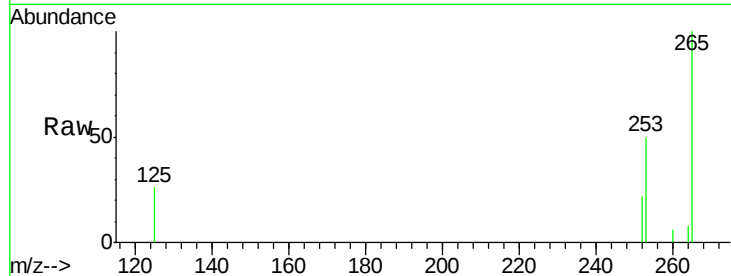
Tgt Ion:252 Resp: 856

Ion Ratio Lower Upper

252 100

253 225.4 20.5 30.7#

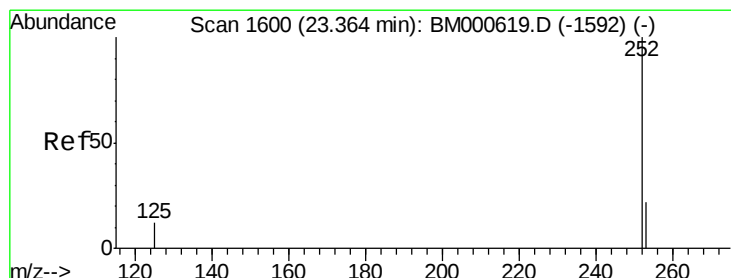
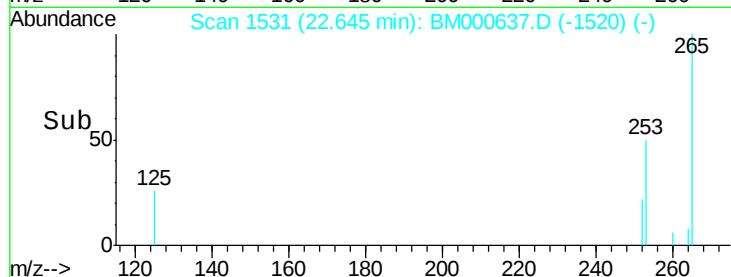
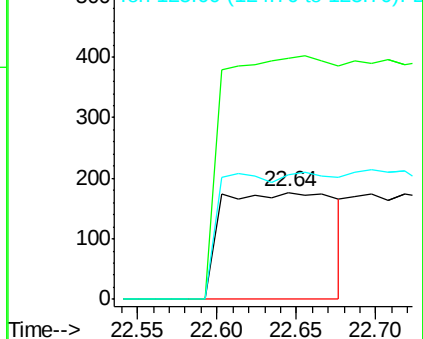
125 116.4 11.8 17.6#



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/u1

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

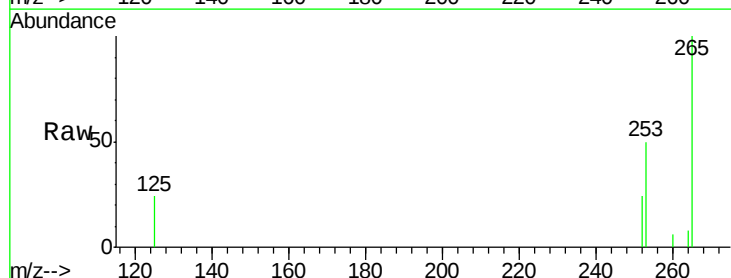
Tgt Ion:252 Resp: 83

Ion Ratio Lower Upper

252 100

253 213.4 23.4 35.0#

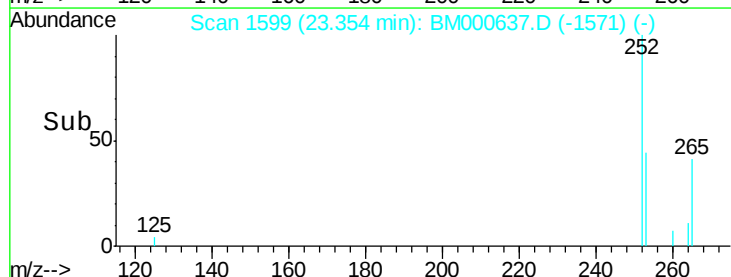
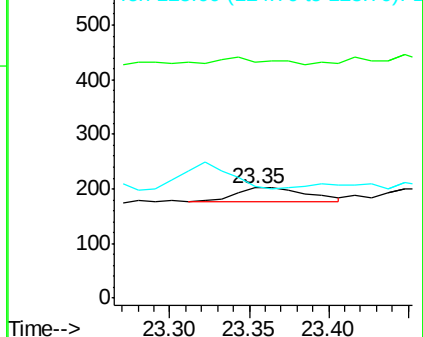
125 101.5 12.2 18.4#

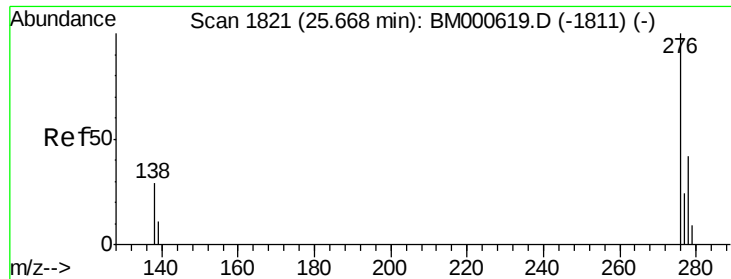


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.70 min Scan# 1824

Delta R.T. 0.03 min

Lab File: BM000637.D

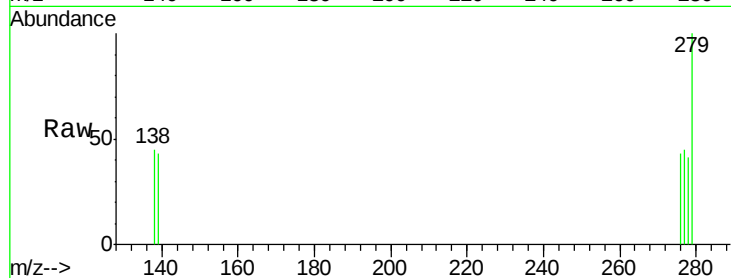
Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S



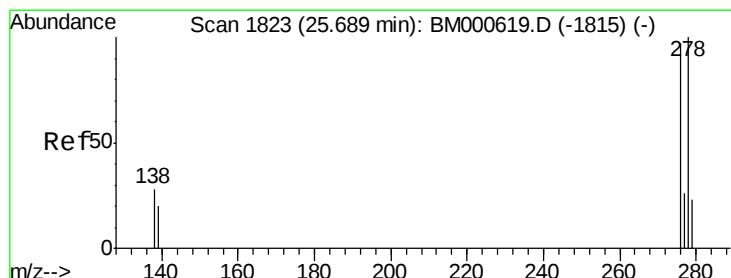
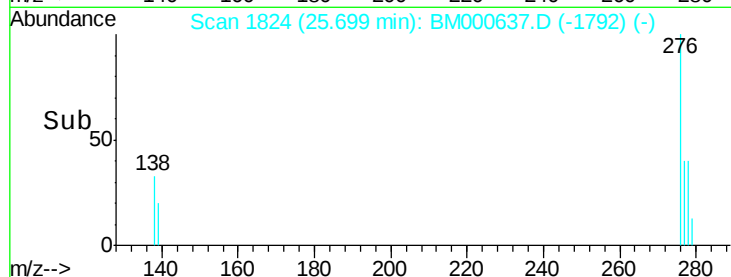
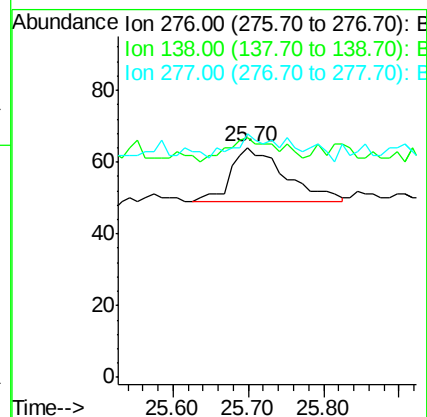
Tgt Ion: 276 Resp: 75

Ion Ratio Lower Upper

276 100

138 44.0 23.8 35.8#

277 22.7 19.7 29.5



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BM000637.D

Acq: 04 Mar 2015 04:40

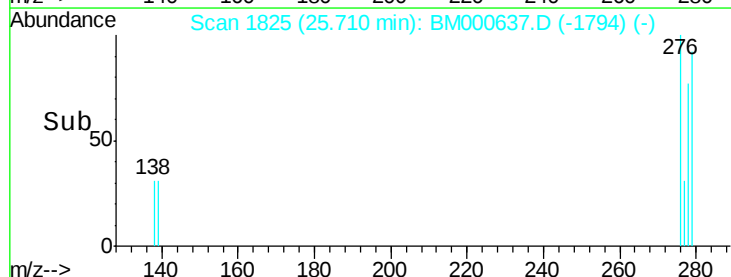
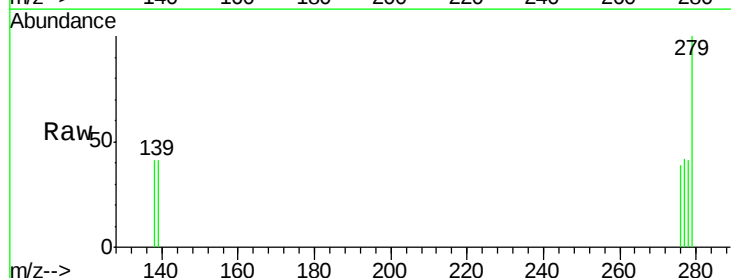
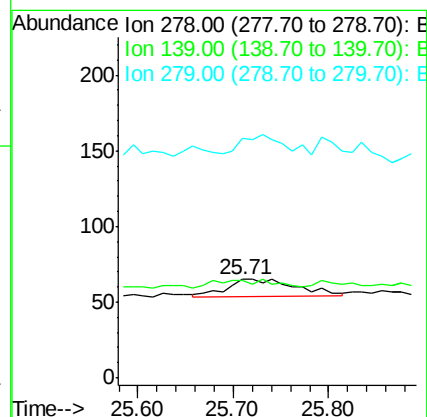
Tgt Ion: 278 Resp: 61

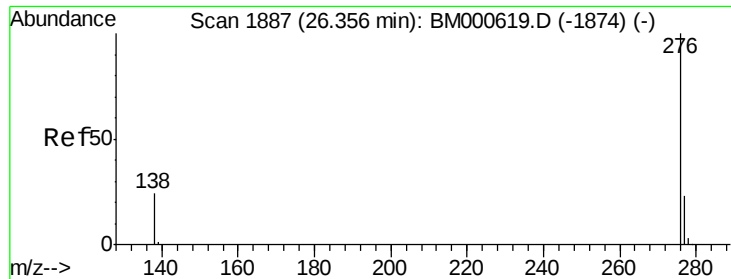
Ion Ratio Lower Upper

278 100

139 98.5 17.0 25.6#

279 243.1 22.3 33.5#





#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: BM000637.D

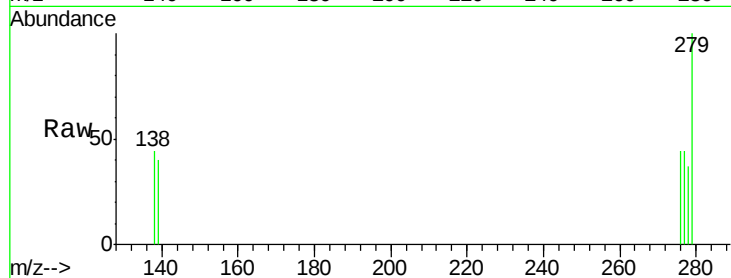
Acq: 04 Mar 2015 04:40

Instrument :

BNA_M

ClientSampleId :

MDL-06-S



Tgt Ion: 276 Resp: 78

Ion Ratio Lower Upper

276 100

277 98.5 19.9 29.9#

138 100.0 20.6 30.8#

