

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000639.D
 Acq On : 04 Mar 2015 05:51
 Operator : TP/IZ
 Sample : MDL-08-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-08-S

Quant Time: Mar 04 06:32:53 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	4040	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	13715	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	6068	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	12641	0.40	ng/ul	0.02
18) Chrysene-d12	21.26	240	8892	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	7823	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	5804	1.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2	0.00	ng/ul	0.01
16) Fluoranthene-d10	19.11	212	6	0.00	ng/ul	0.02

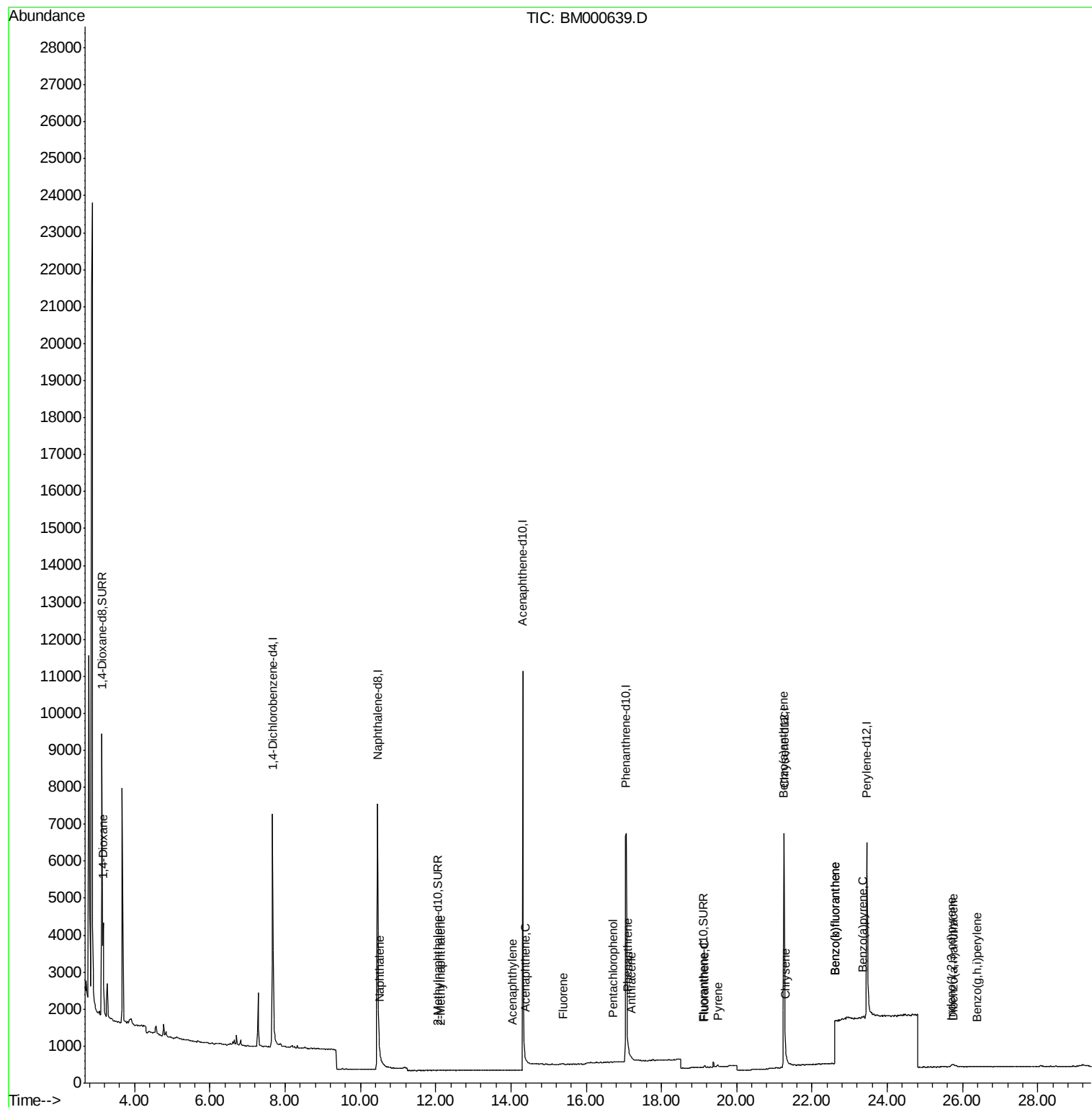
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	4268	0.93	ng/ul#	50
5) Naphthalene	10.50	128	33	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.14	142	14	0.00	ng/ul	97
9) Acenaphthylene	14.04	152	14	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	12	0.00	ng/ul#	74
11) Fluorene	15.40	166	32	0.00	ng/ul#	42
13) Pentachlorophenol	16.71	266	20	0.02	ng/ul#	50
14) Phenanthrene	17.10	178	95	0.00	ng/ul#	1
15) Anthracene	17.20	178	49	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	57	0.00	ng/ul#	1
19) Pyrene	19.50	202	66	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	67	0.00	ng/ul#	1
21) Chrysene	21.29	228	58	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.60	252	641	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.60	252	641	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	78	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	38	0.00	ng/ul#	87
27) Dibenzo(a,h)anthracene	25.75	278	40	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	36	0.00	ng/ul#	1

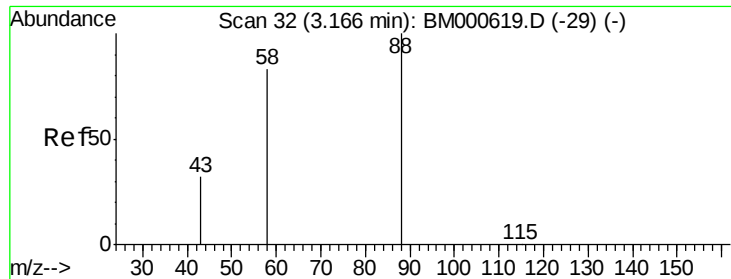
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.93 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S

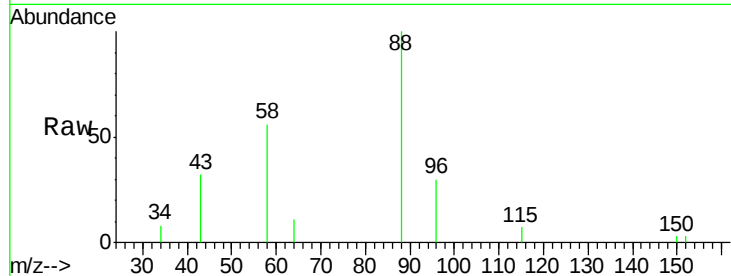
Tgt Ion: 88 Resp: 4268

Ion Ratio Lower Upper

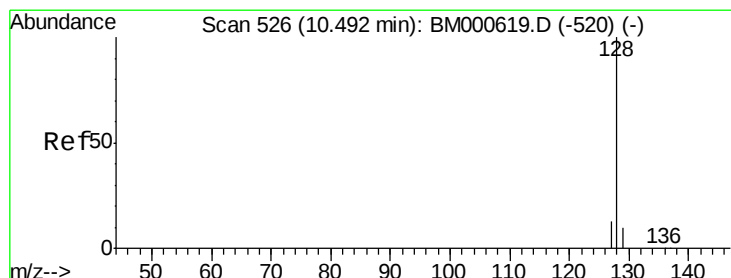
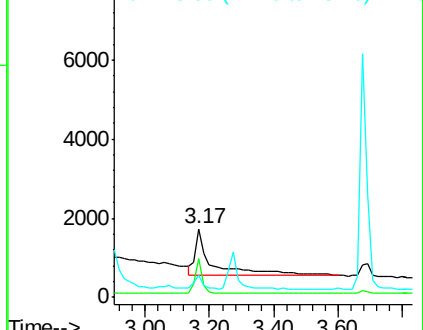
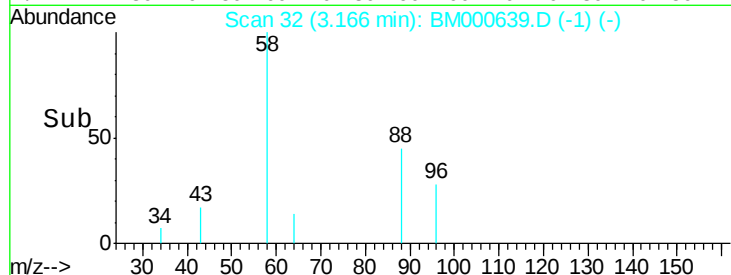
88 100

58 30.8 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000639.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

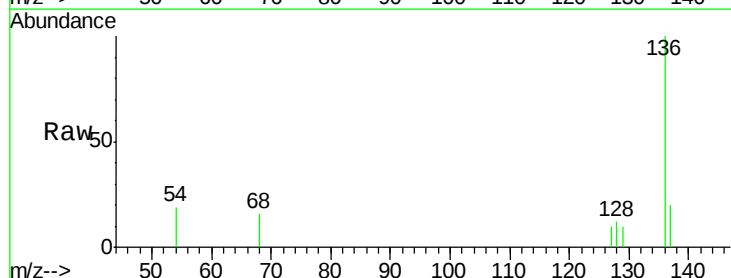
Tgt Ion: 128 Resp: 33

Ion Ratio Lower Upper

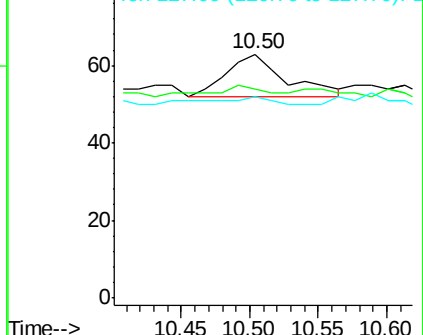
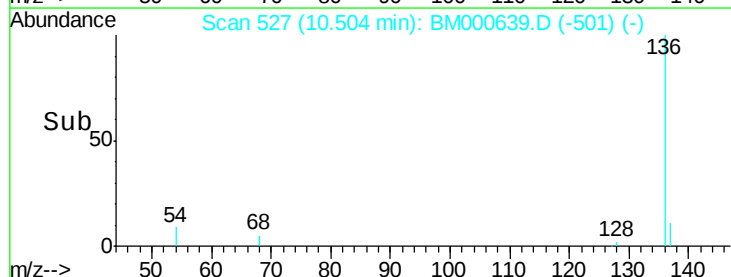
128 100

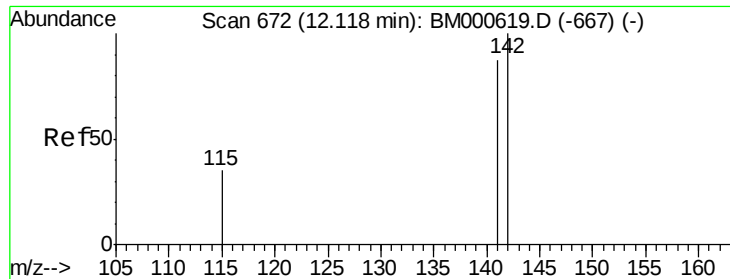
129 85.7 8.5 12.7#

127 82.5 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): BM000639.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. 0.02 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

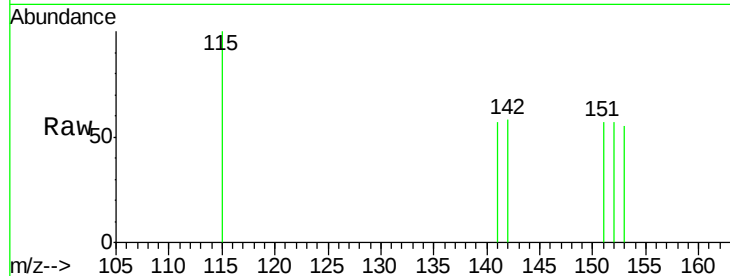
MDL-08-S

Tgt Ion:142 Resp: 14

Ion Ratio Lower Upper

142 100

141 85.7 70.6 106.0

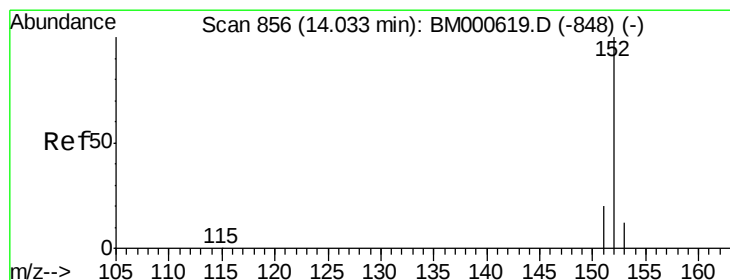
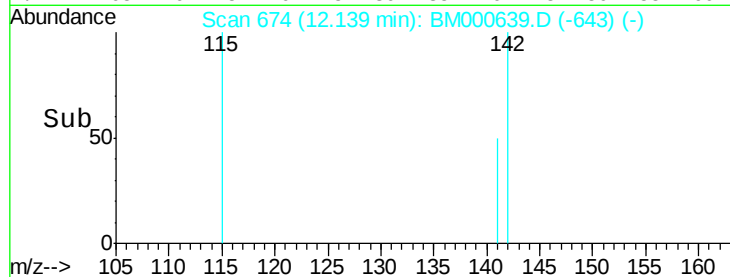


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.14

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: BM000639.D

Acq: 04 Mar 2015 05:51

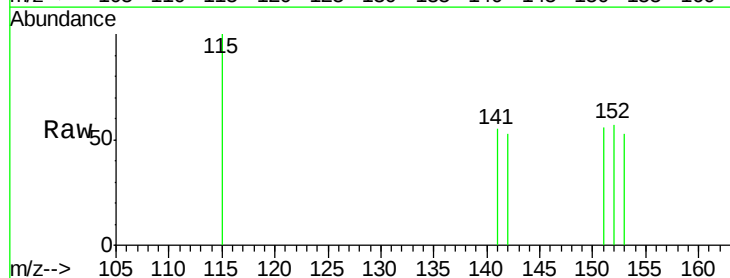
Tgt Ion:152 Resp: 14

Ion Ratio Lower Upper

152 100

151 98.1 16.0 24.0#

153 92.6 10.2 15.4#



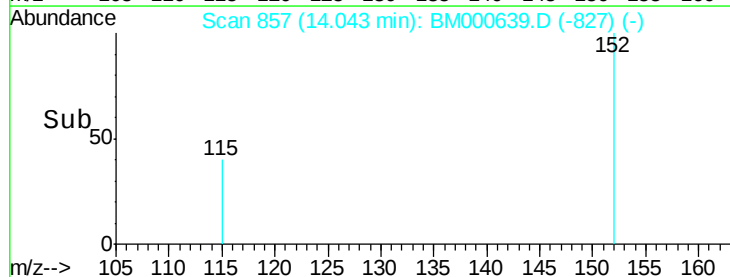
Abundance Ion 152.00 (151.70 to 152.70): E

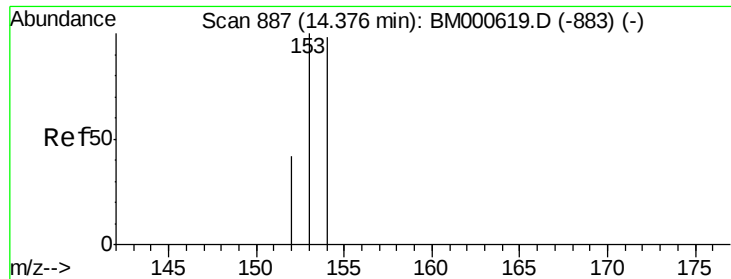
Ion 151.00 (150.70 to 151.70): E

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: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S

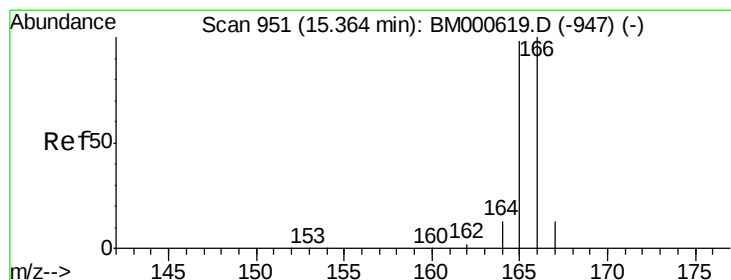
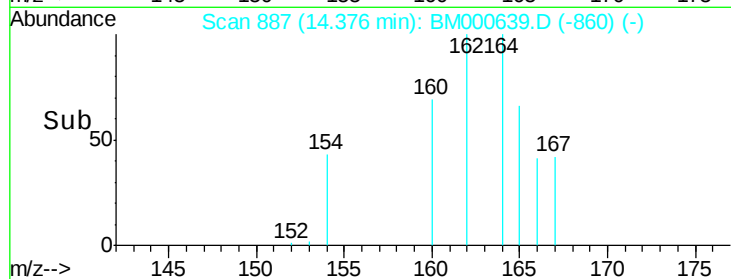
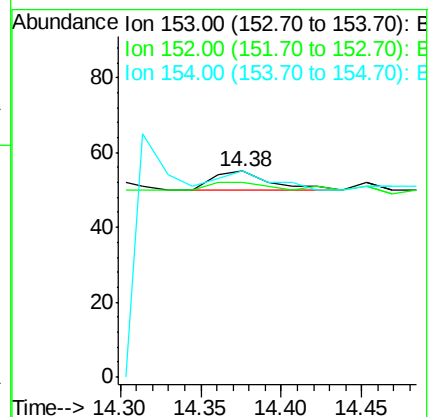
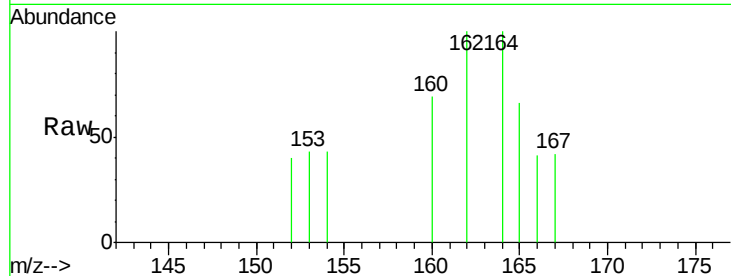
Tgt Ion:153 Resp: 12

Ion Ratio Lower Upper

153 100

152 94.5 34.2 51.2#

154 100.0 78.8 118.2



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.40 min Scan# 953

Delta R.T. 0.03 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

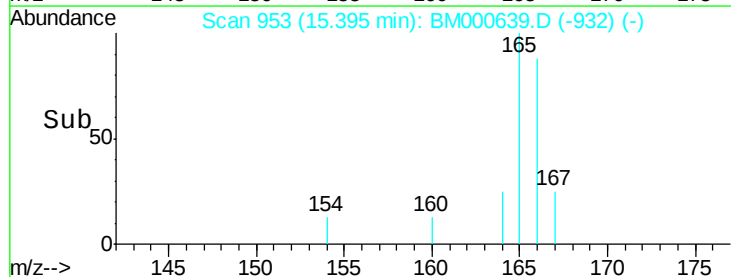
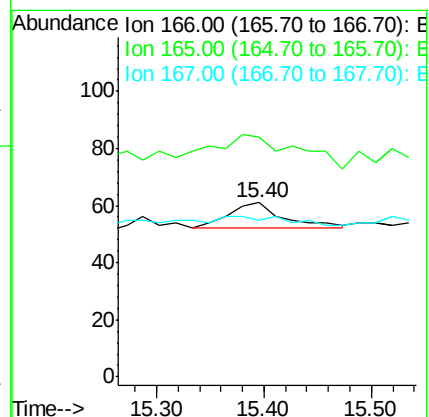
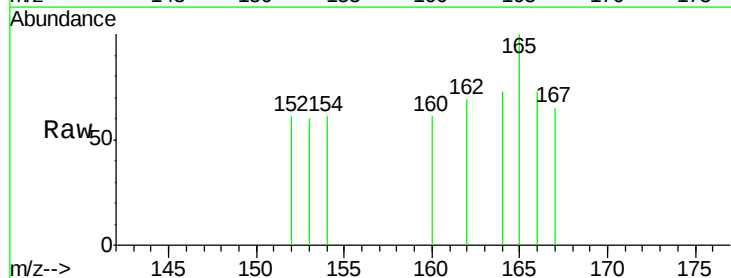
Tgt Ion:166 Resp: 32

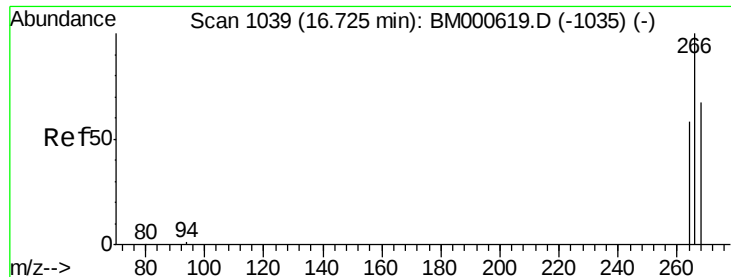
Ion Ratio Lower Upper

166 100

165 137.7 78.5 117.7#

167 90.2 10.6 16.0#





#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.71 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S

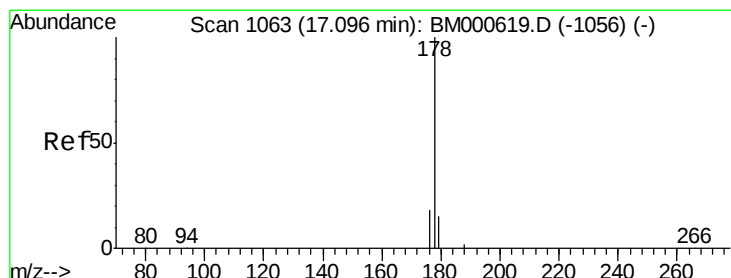
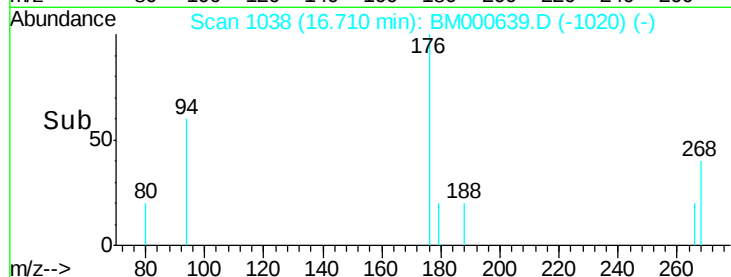
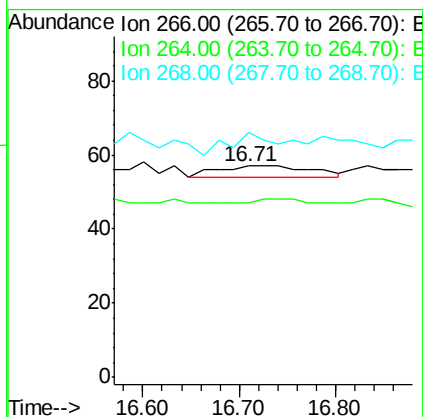
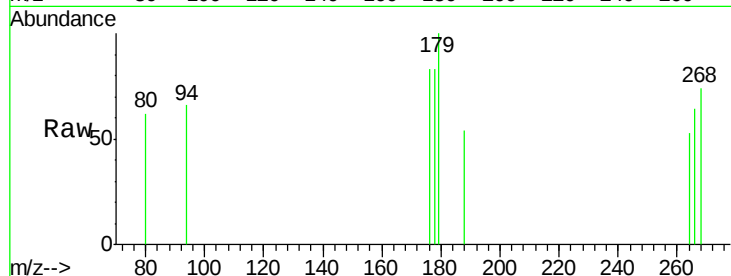
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

264 15.0 51.0 76.4#

268 90.0 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: BM000639.D

Acq: 04 Mar 2015 05:51

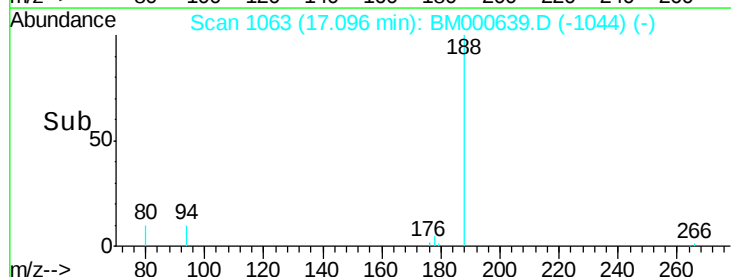
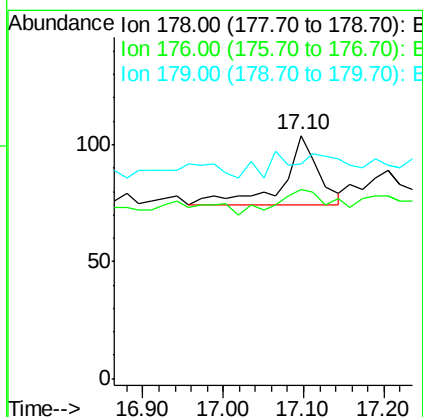
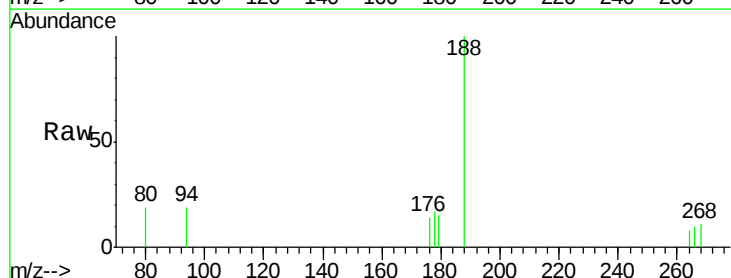
Tgt Ion:178 Resp: 95

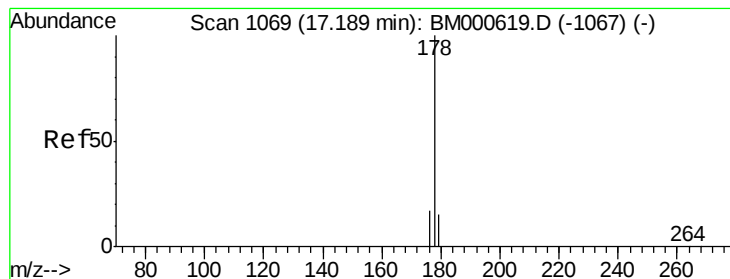
Ion Ratio Lower Upper

178 100

176 77.9 14.8 22.2#

179 88.5 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: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampled :

MDL-08-S

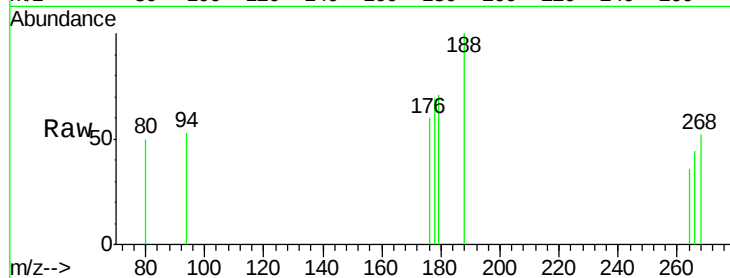
Tgt Ion:178 Resp: 49

Ion Ratio Lower Upper

178 100

176 87.6 14.2 21.4#

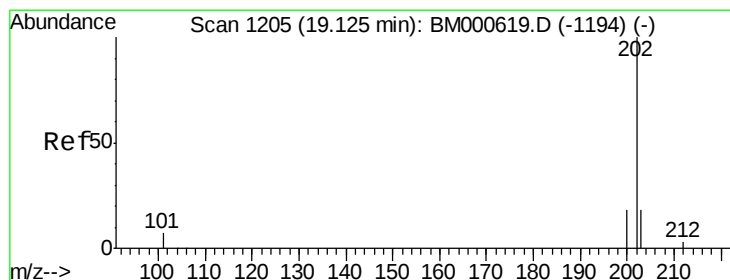
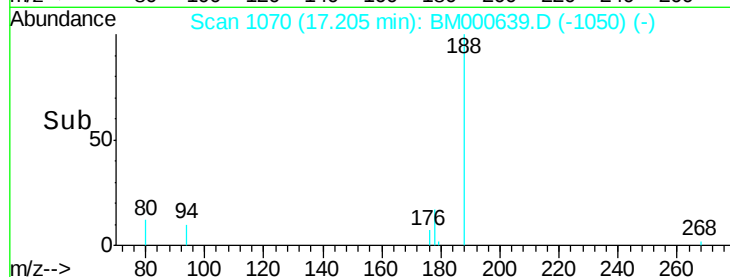
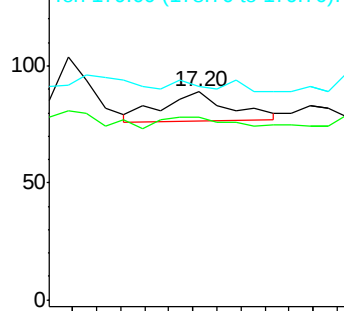
179 102.2 12.8 19.2#



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: BM000639.D

Acq: 04 Mar 2015 05:51

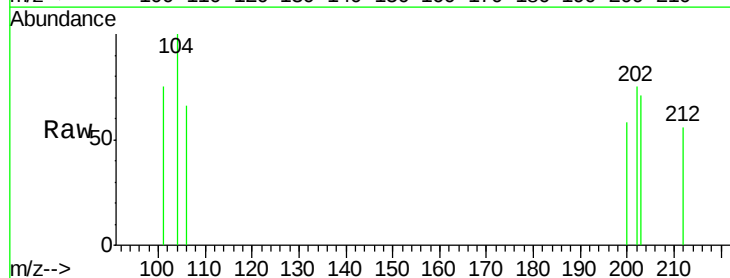
Tgt Ion:202 Resp: 57

Ion Ratio Lower Upper

202 100

101 100.0 0.0 27.0#

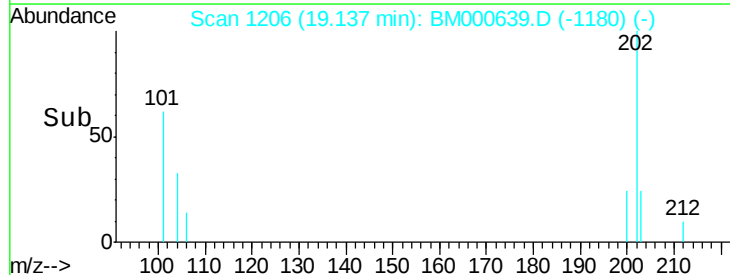
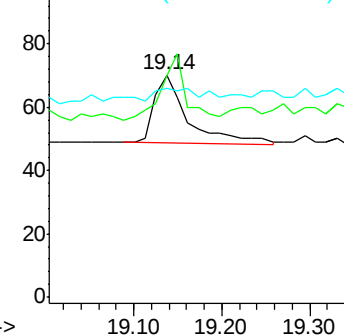
203 94.3 0.0 38.5#

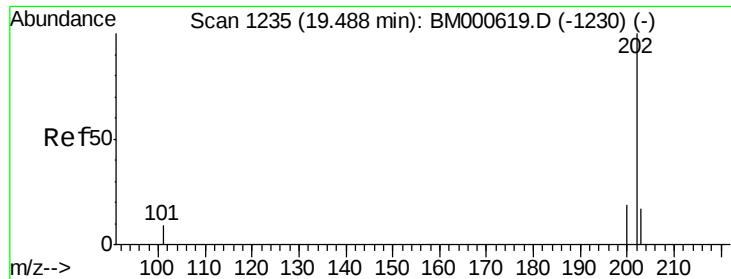


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

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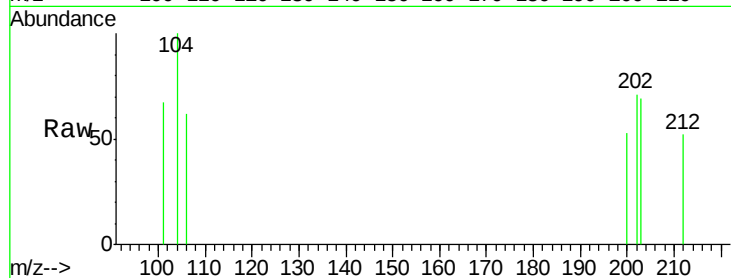
Tgt Ion:202 Resp: 66

Ion Ratio Lower Upper

202 100

200 74.3 15.5 23.3#

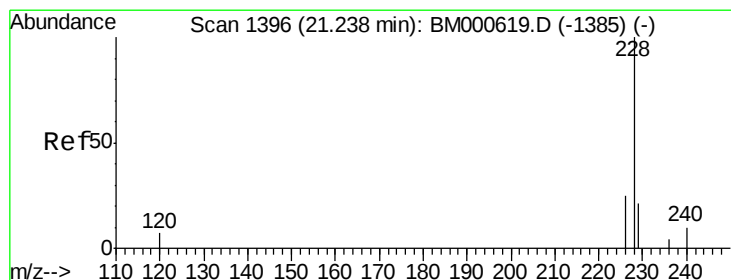
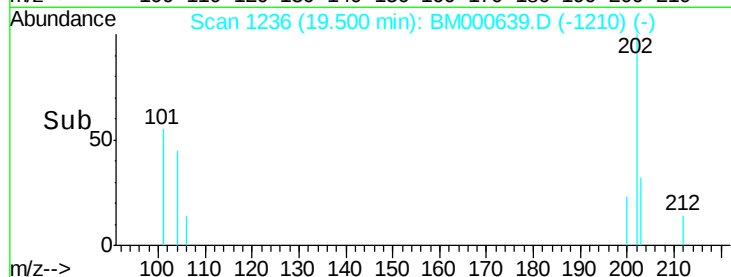
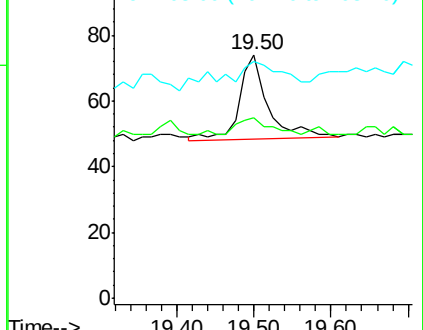
203 97.3 14.2 21.2#



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: 21.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

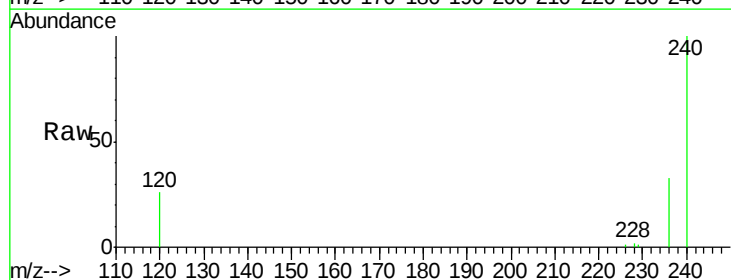
Tgt Ion:228 Resp: 67

Ion Ratio Lower Upper

228 100

226 74.4 20.0 30.0#

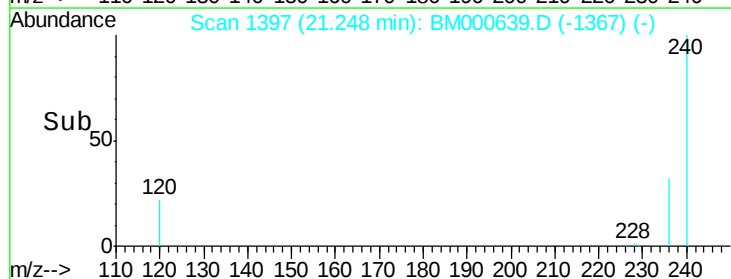
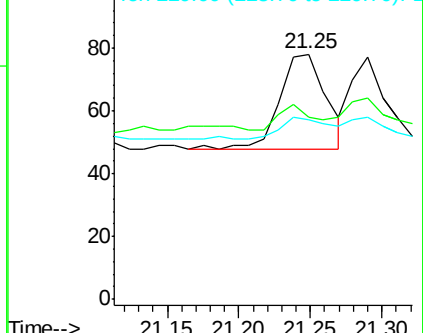
229 73.1 16.7 25.1#

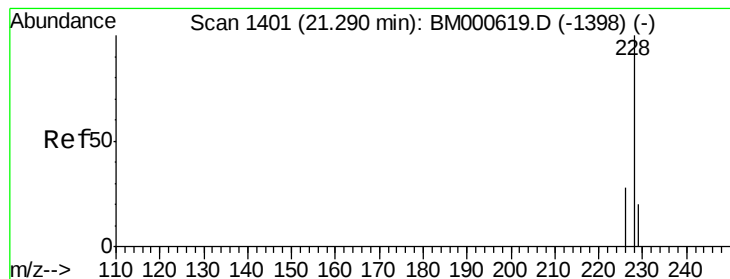


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM000639.D

Acq: 04 Mar 2015 05:51

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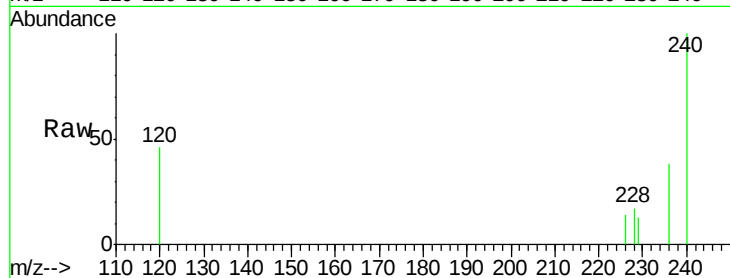
Tgt Ion:228 Resp: 58

Ion Ratio Lower Upper

228 100

226 83.1 22.6 33.8#

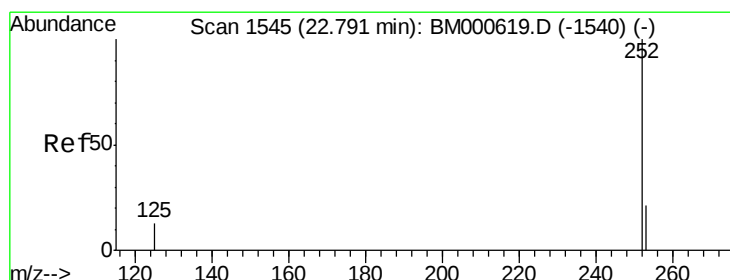
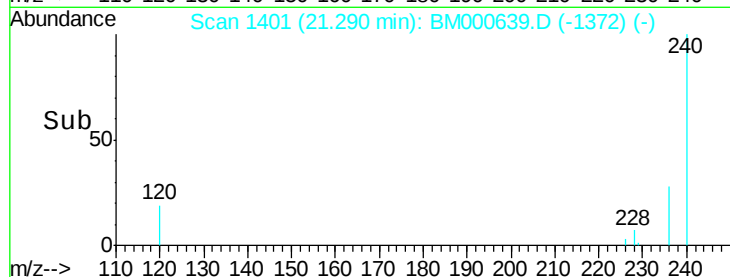
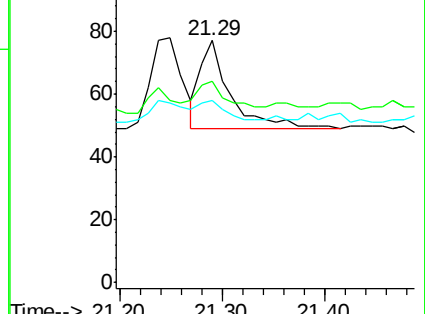
229 75.3 16.4 24.6#



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: 22.60 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

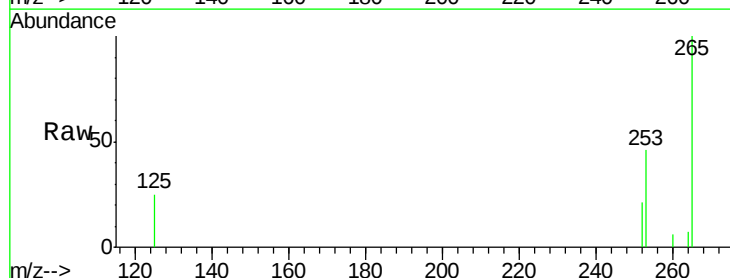
Tgt Ion:252 Resp: 641

Ion Ratio Lower Upper

252 100

253 220.1 0.0 51.2#

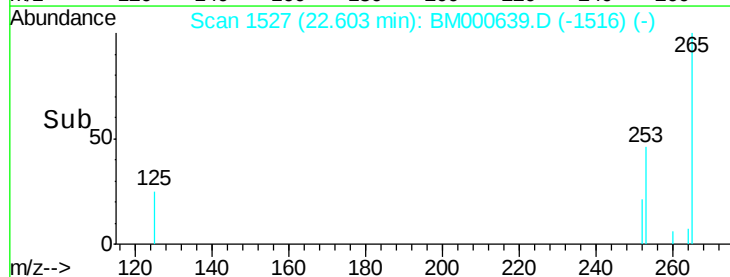
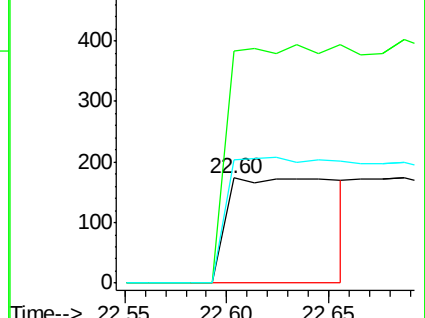
125 117.2 0.0 30.0#

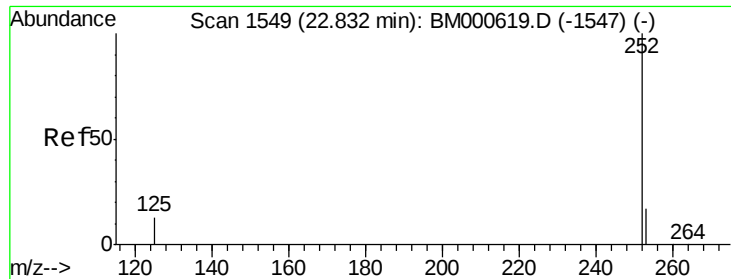


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S

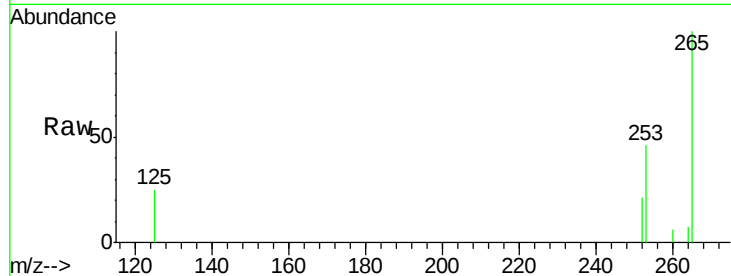
Tgt Ion:252 Resp: 641

Ion Ratio Lower Upper

252 100

253 220.1 20.5 30.7#

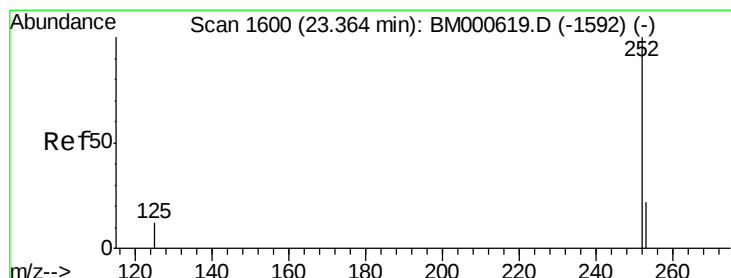
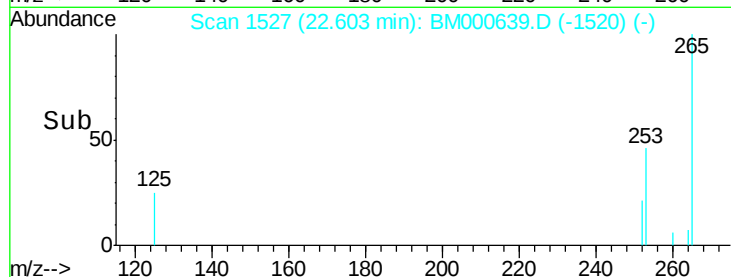
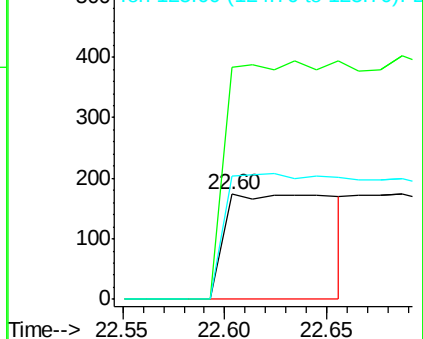
125 117.2 11.8 17.6#



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: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

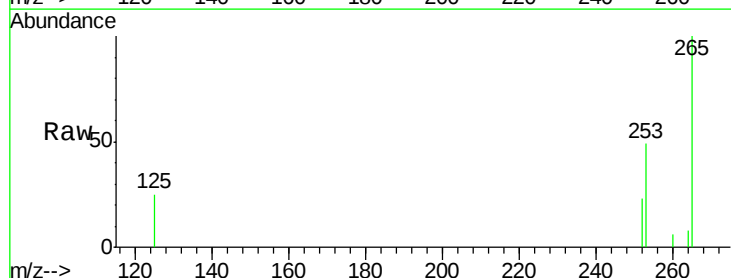
Tgt Ion:252 Resp: 78

Ion Ratio Lower Upper

252 100

253 213.8 23.4 35.0#

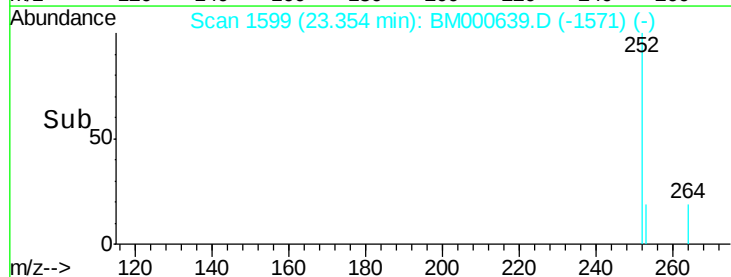
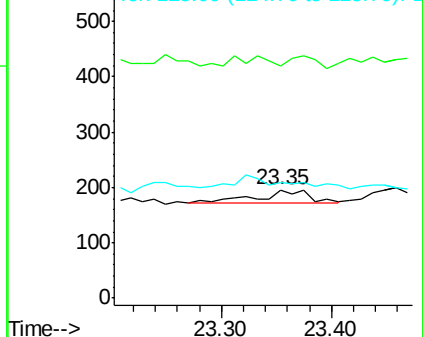
125 106.1 12.2 18.4#

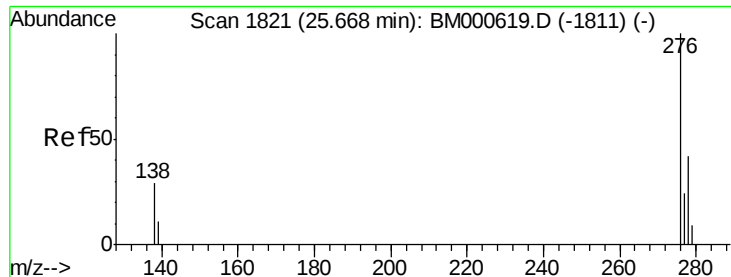


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000639.D

Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S

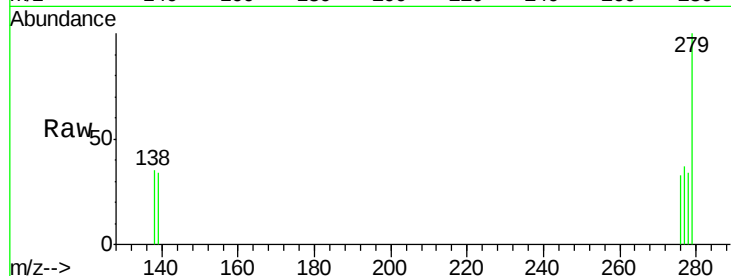
Tgt Ion:276 Resp: 38

Ion Ratio Lower Upper

276 100

138 31.6 23.8 35.8

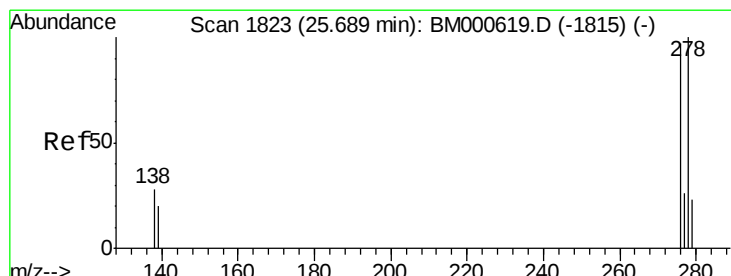
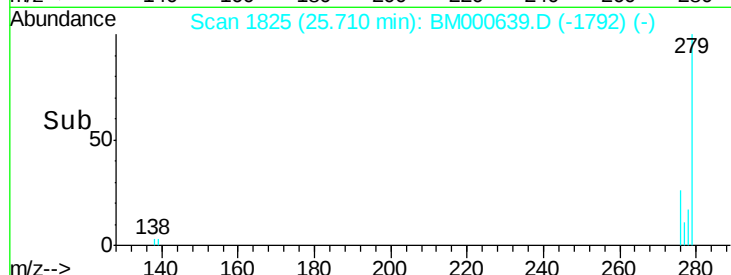
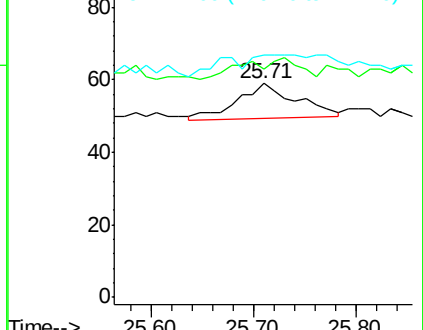
277 36.8 19.7 29.5#



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: 25.75 min Scan# 1829

Delta R.T. 0.06 min

Lab File: BM000639.D

Acq: 04 Mar 2015 05:51

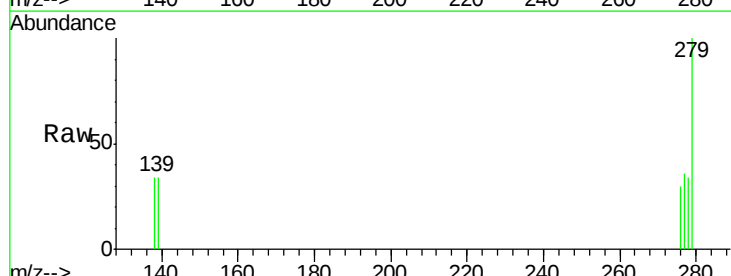
Tgt Ion:278 Resp: 40

Ion Ratio Lower Upper

278 100

139 100.0 17.0 25.6#

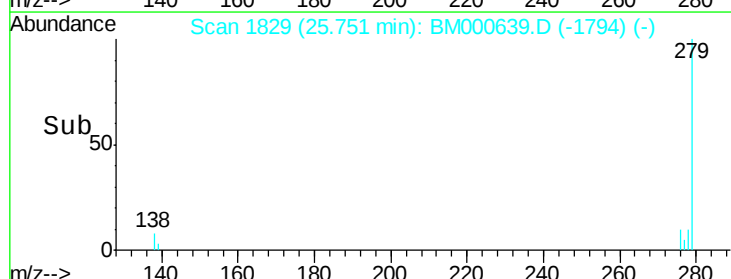
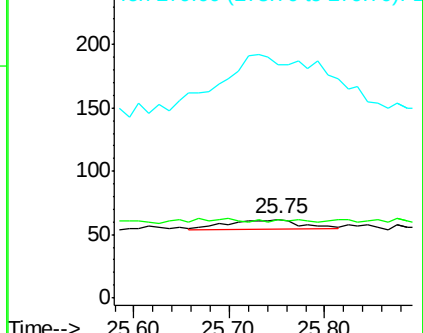
279 296.8 22.3 33.5#

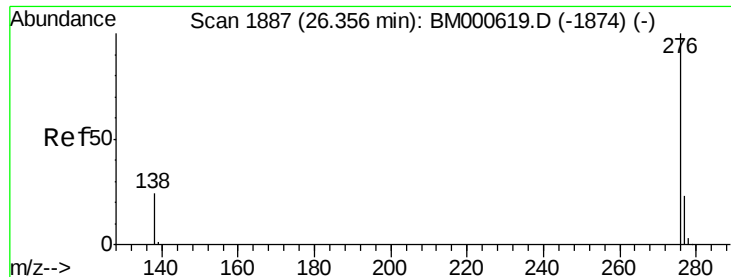


Abundance Ion 278.00 (277.70 to 278.70): E

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: BM000639.D

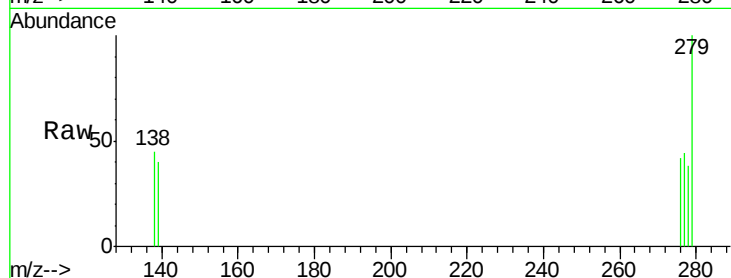
Acq: 04 Mar 2015 05:51

Instrument :

BNA_M

ClientSampleId :

MDL-08-S



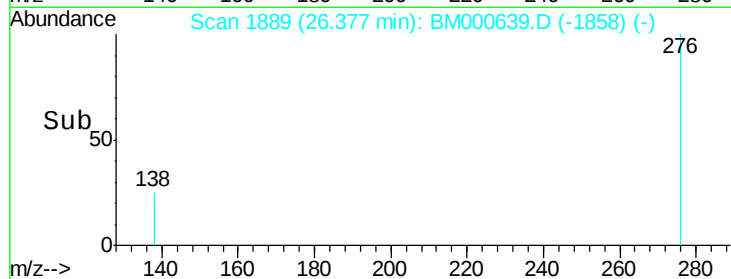
Tgt Ion: 276 Resp: 36

Ion Ratio Lower Upper

276 100

277 104.9 19.9 29.9#

138 106.6 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

