

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000635.D
 Acq On : 04 Mar 2015 03:29
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

Quant Time: Mar 04 06:17:33 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	3886	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	13153	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5994	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	12301	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	8532	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	7578	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	4573	1.61	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	4	0.00	ng/ul	0.05
16) Fluoranthene-d10	19.10	212	6	0.00	ng/ul	0.01

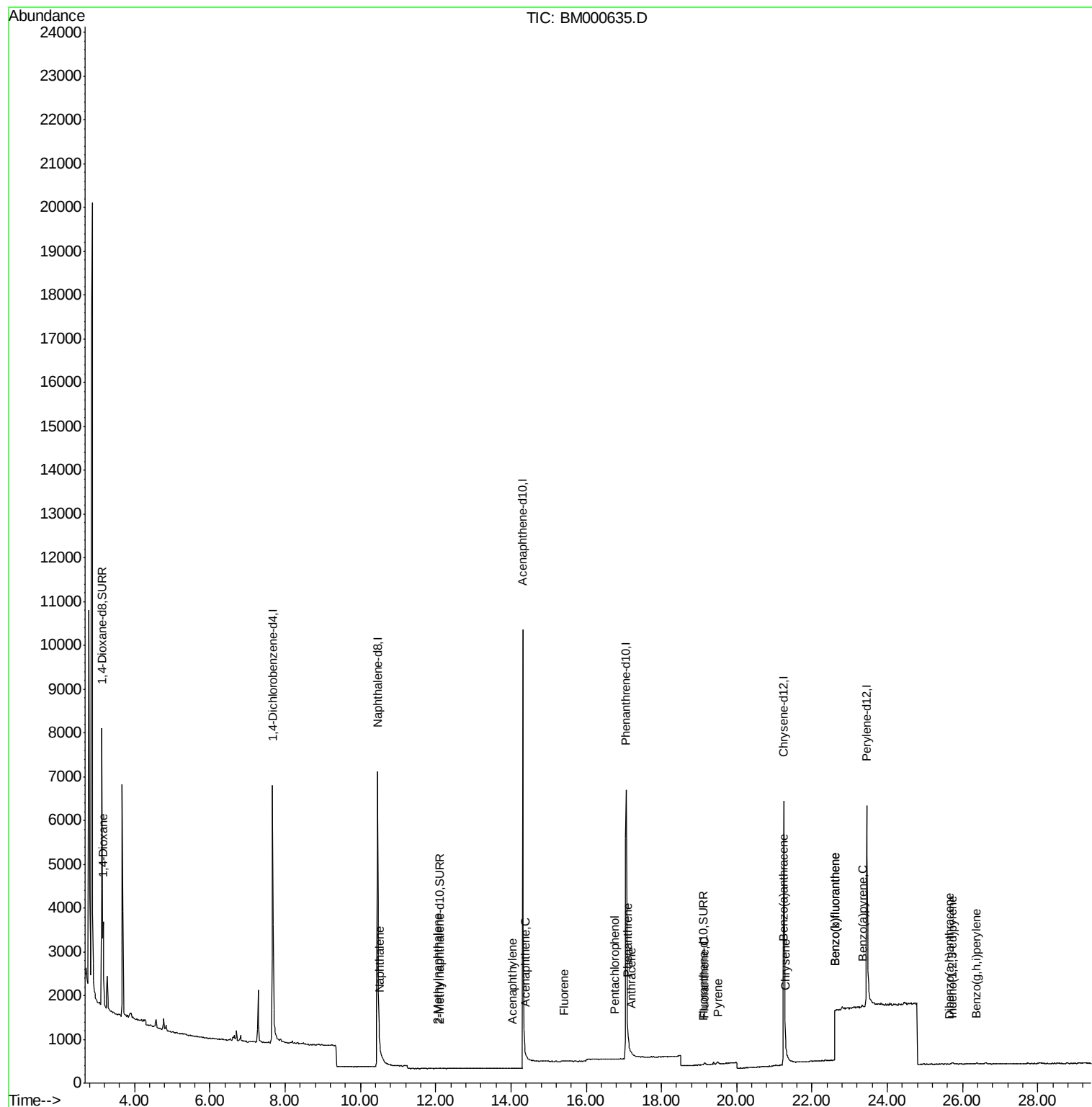
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	3530	0.80	ng/ul#	48
5) Naphthalene	10.50	128	17	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.07	142	2	0.00	ng/ul	87
9) Acenaphthylene	14.04	152	8	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	8	0.00	ng/ul#	71
11) Fluorene	15.41	166	22	0.00	ng/ul#	43
13) Pentachlorophenol	16.76	266	6	0.01	ng/ul#	1
14) Phenanthrene	17.10	178	65	0.00	ng/ul#	1
15) Anthracene	17.20	178	44	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	81	0.00	ng/ul#	1
19) Pyrene	19.50	202	81	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.24	228	79	0.00	ng/ul#	2
21) Chrysene	21.29	228	60	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.62	252	412	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.62	252	412	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	75	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.72	276	56	0.00	ng/ul#	70
27) Dibenzo(a,h)anthracene	25.65	278	6	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	59	0.00	ng/ul#	1

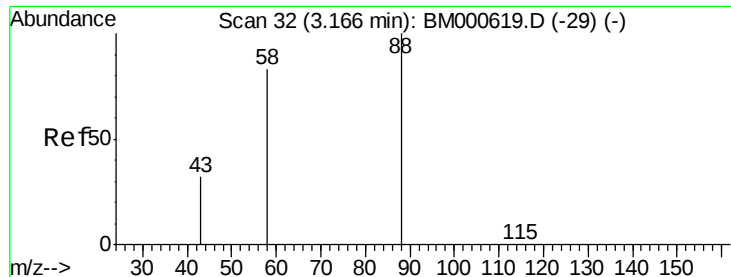
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
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ALS Vial : 20 Sample Multiplier: 1

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Quant Time: Mar 04 06:17:33 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: 0.80 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

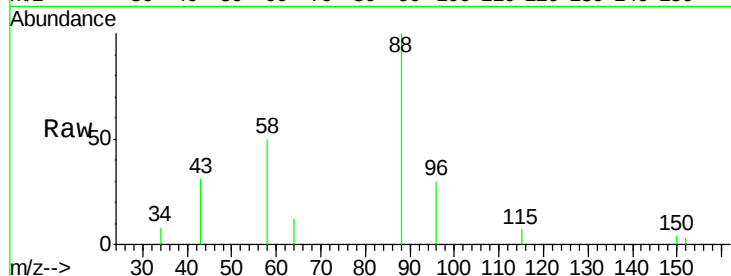
Tgt Ion: 88 Resp: 3530

Ion Ratio Lower Upper

88 100

58 28.6 55.4 83.2#

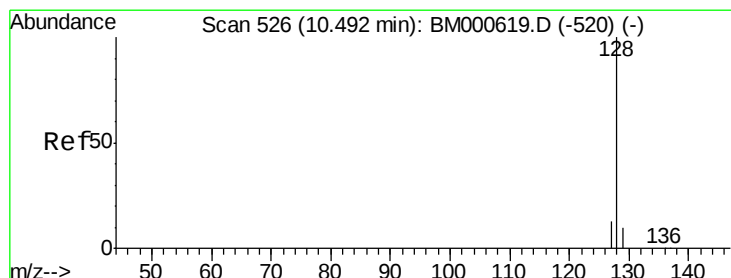
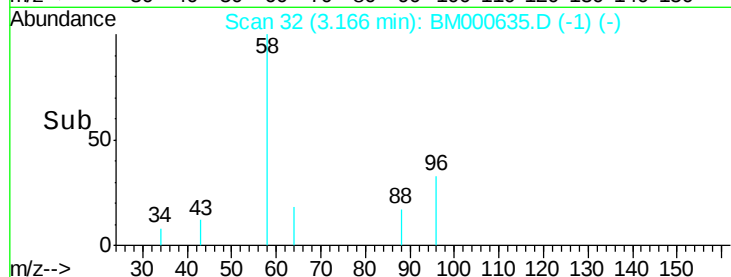
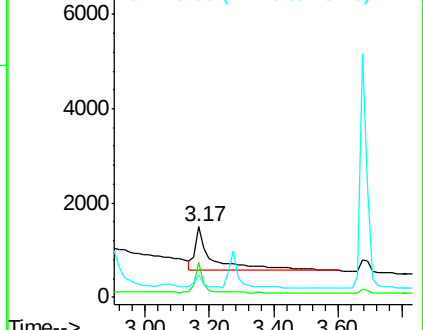
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000635.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000635.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000635.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

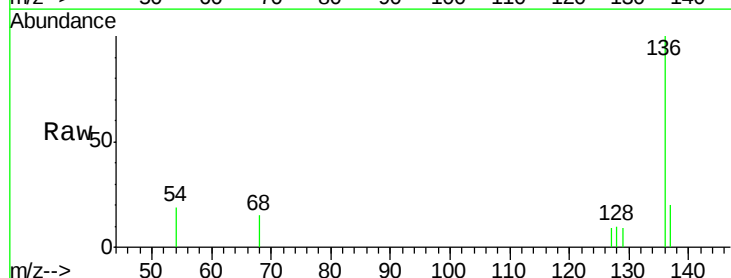
Tgt Ion: 128 Resp: 17

Ion Ratio Lower Upper

128 100

129 88.1 8.5 12.7#

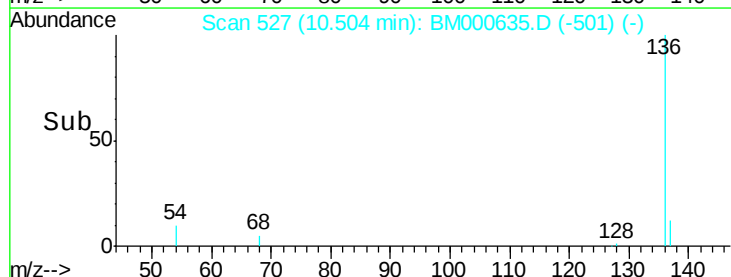
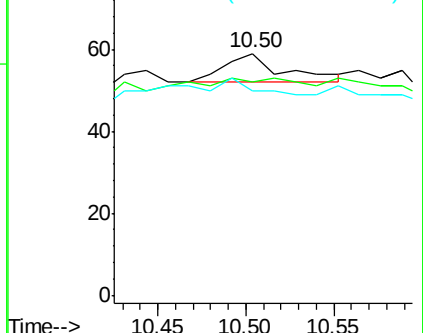
127 84.7 11.0 16.6#

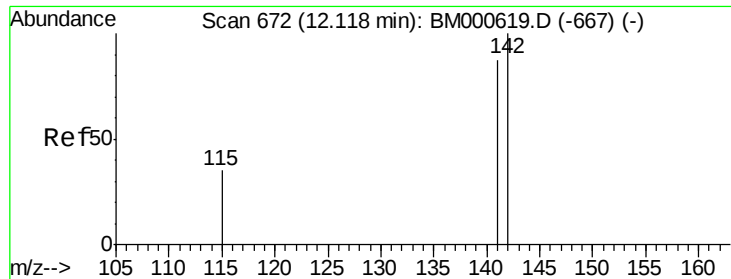


Abundance Ion 128.00 (127.70 to 128.70): BM000635.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000635.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000635.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.07 min Scan# 667

Delta R.T. -0.05 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

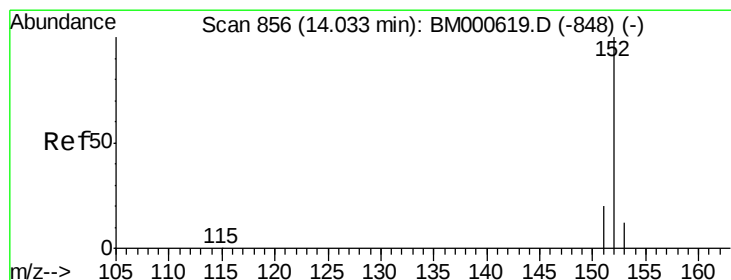
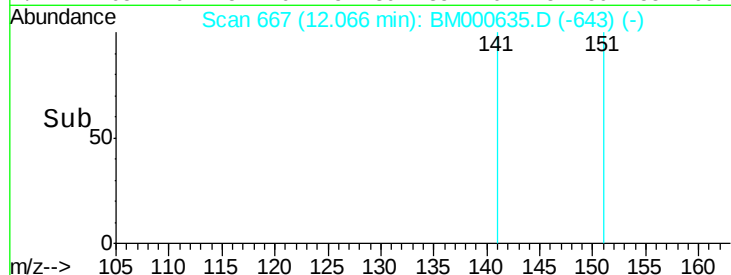
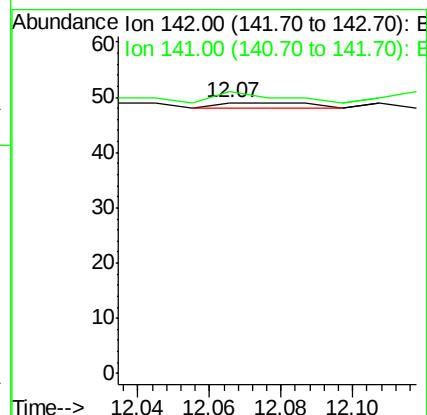
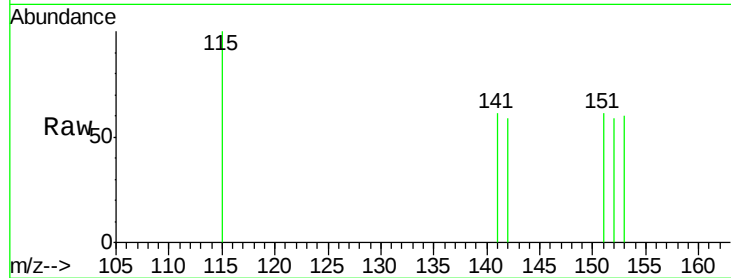
MDL-04-S

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: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

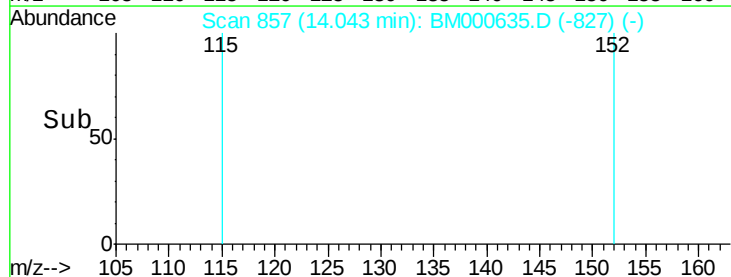
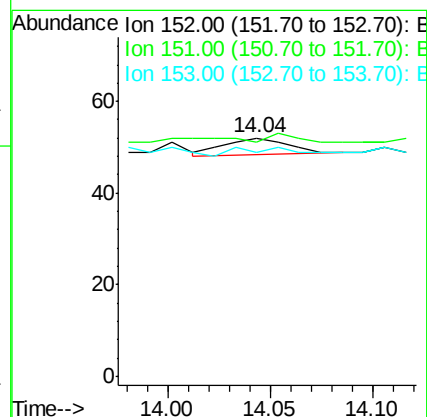
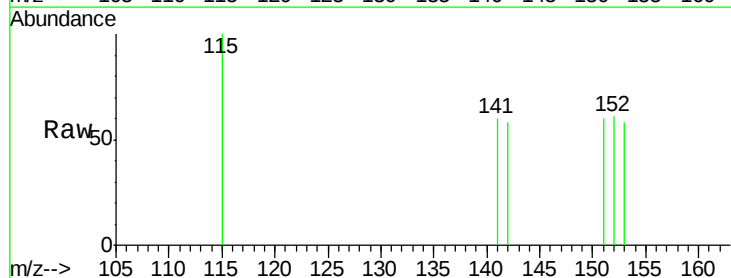
Tgt Ion:152 Resp: 8

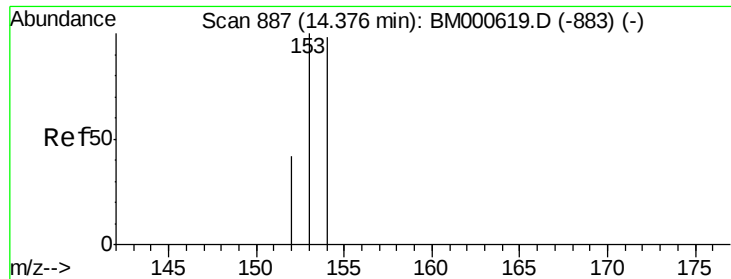
Ion Ratio Lower Upper

152 100

151 98.1 16.0 24.0#

153 94.2 10.2 15.4#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

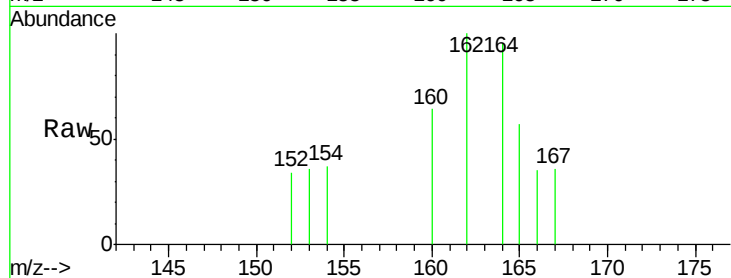
Tgt Ion:153 Resp: 8

Ion Ratio Lower Upper

153 100

152 96.2 34.2 51.2#

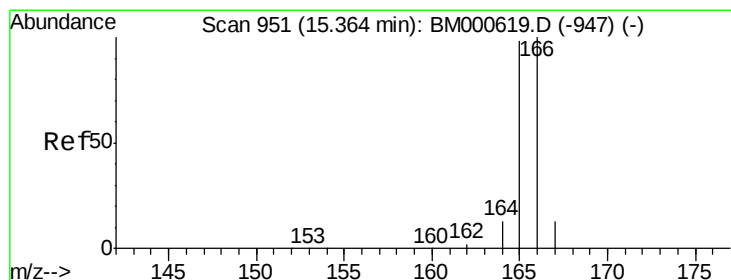
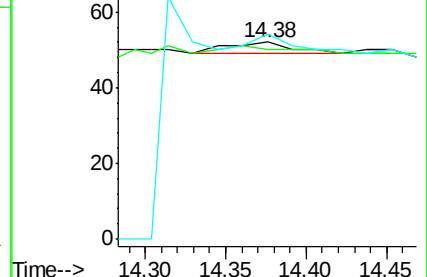
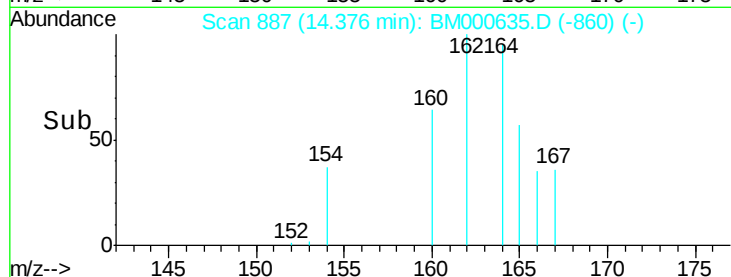
154 103.8 78.8 118.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.41 min Scan# 954

Delta R.T. 0.05 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

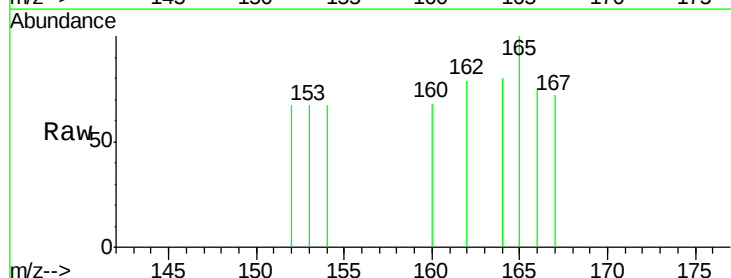
Tgt Ion:166 Resp: 22

Ion Ratio Lower Upper

166 100

165 133.9 78.5 117.7#

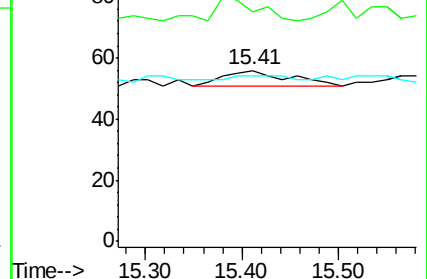
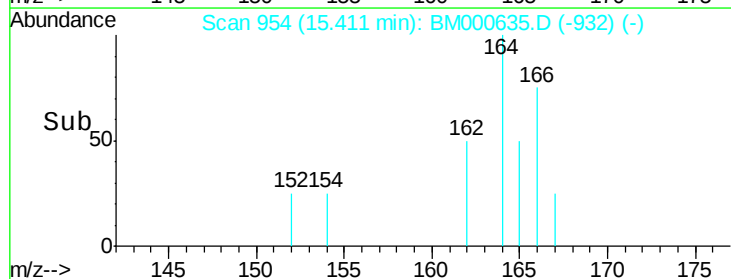
167 96.4 10.6 16.0#

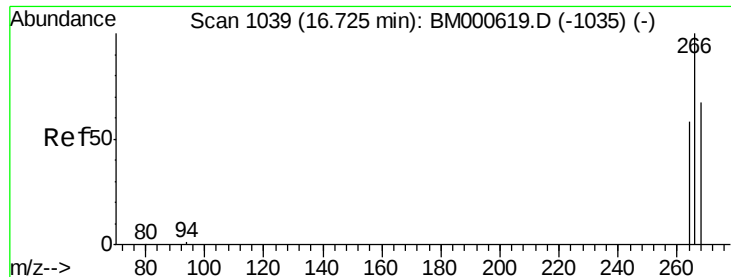


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

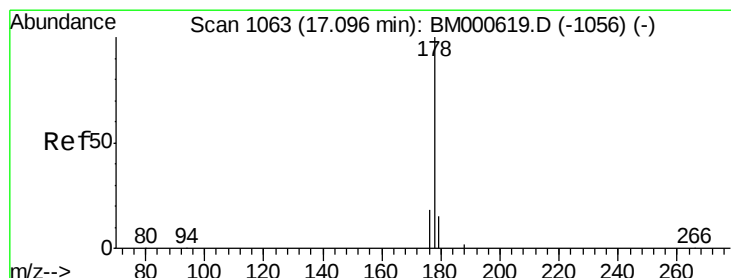
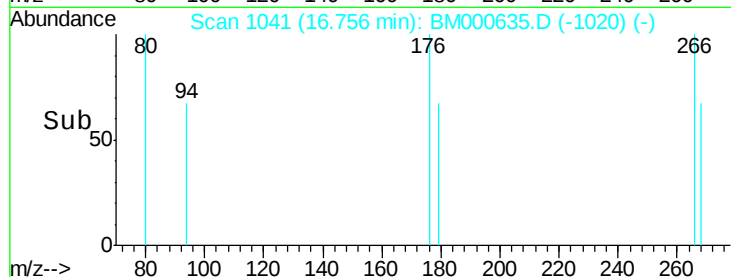
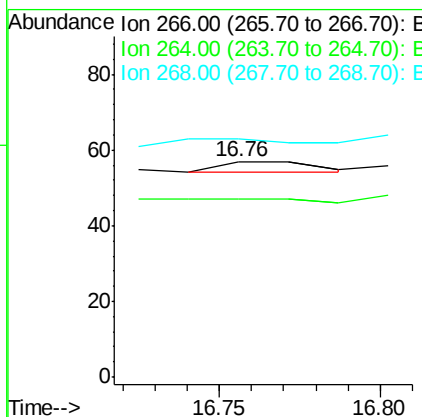
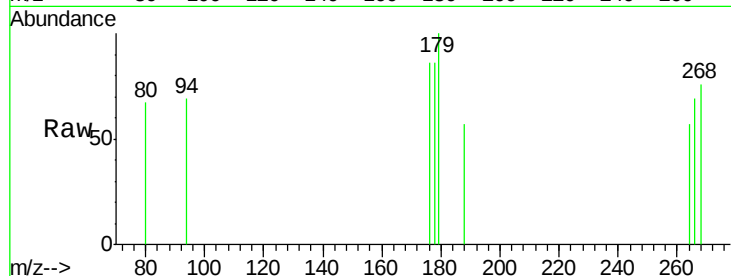




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.76 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BM000635.D
 Acq: 04 Mar 2015 03:29

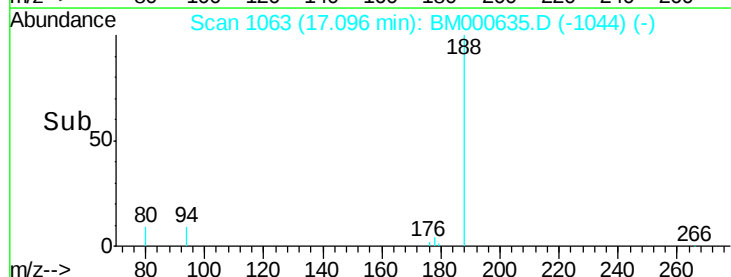
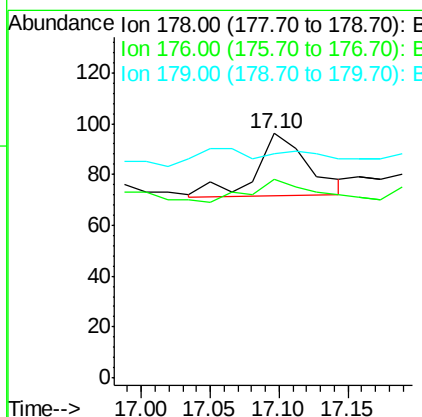
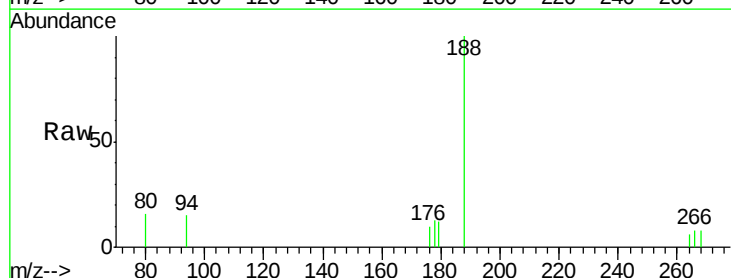
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

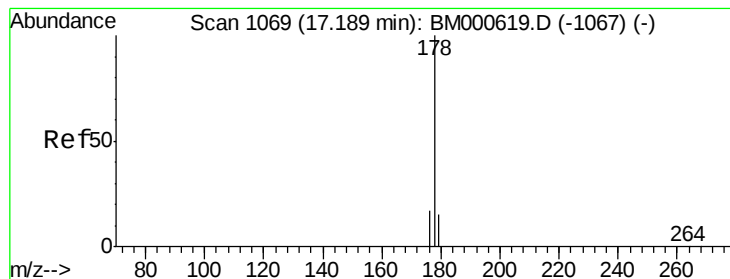
Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.4#
 268 166.7 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000635.D
 Acq: 04 Mar 2015 03:29

Tgt Ion: 178 Resp: 65
 Ion Ratio Lower Upper
 178 100
 176 81.3 14.8 22.2#
 179 91.7 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: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

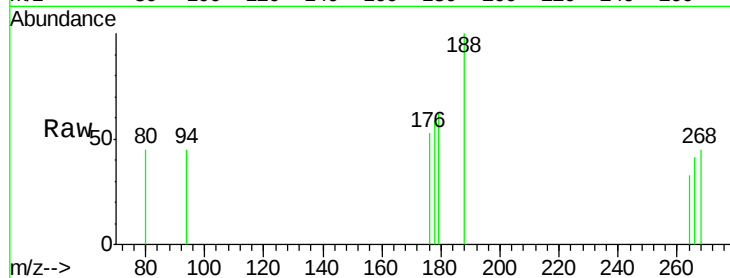
Tgt Ion:178 Resp: 44

Ion Ratio Lower Upper

178 100

176 90.4 14.2 21.4#

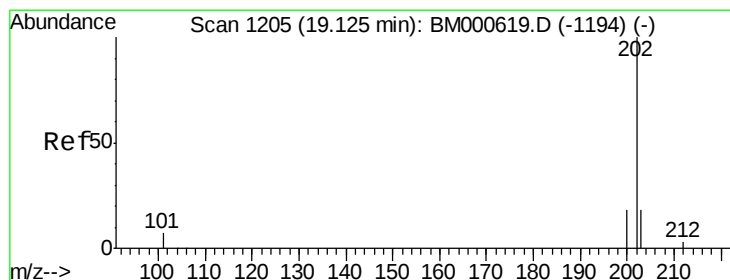
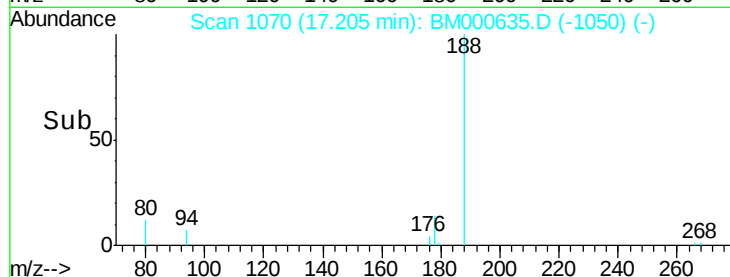
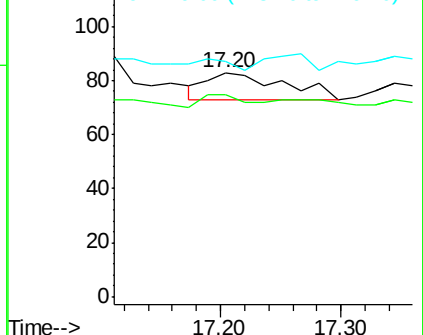
179 104.8 12.8 19.2#



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: BM000635.D

Acq: 04 Mar 2015 03:29

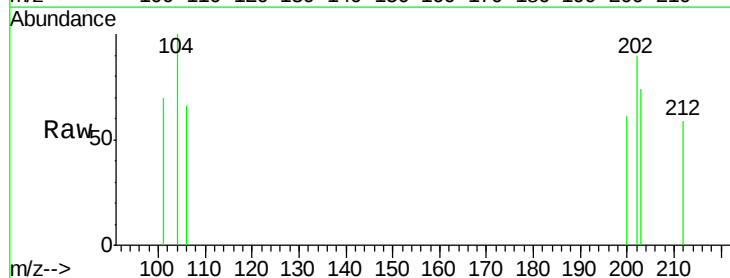
Tgt Ion:202 Resp: 81

Ion Ratio Lower Upper

202 100

101 78.5 0.0 27.0#

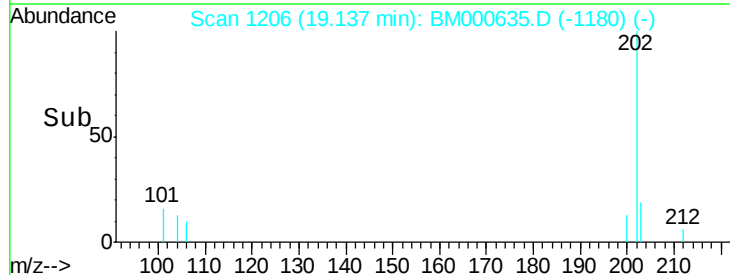
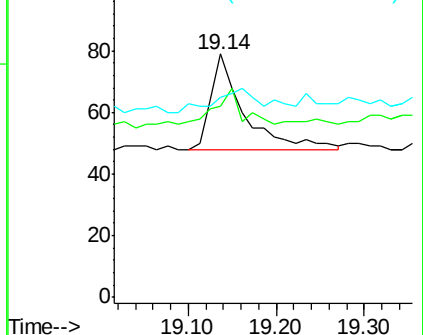
203 82.3 0.0 38.5#

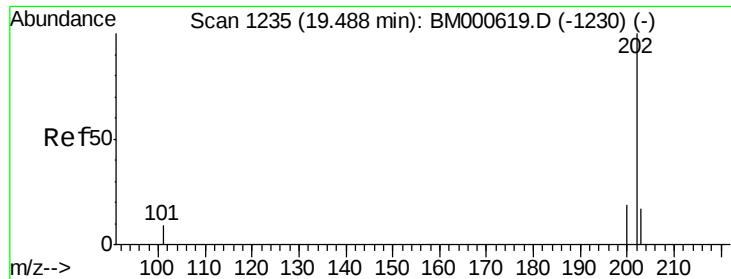


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

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ClientSampleId :

MDL-04-S

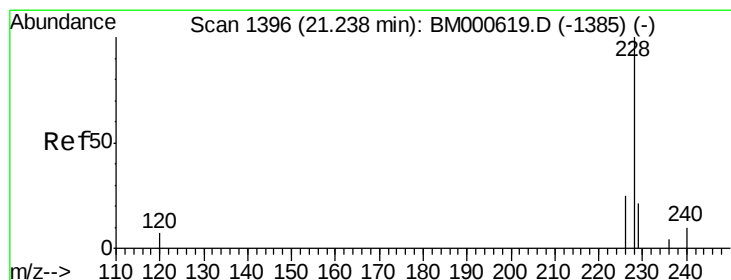
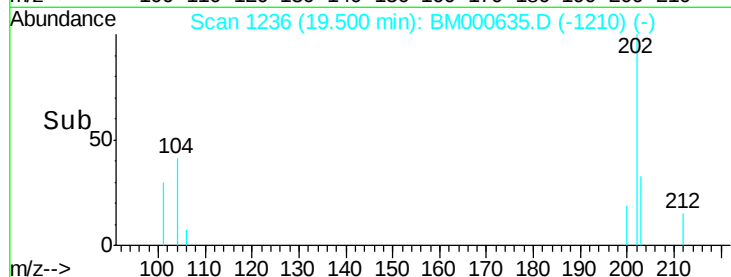
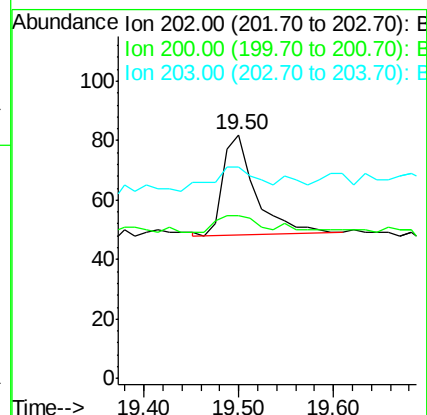
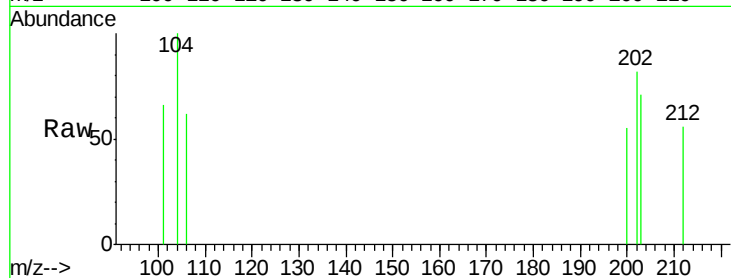
Tgt Ion:202 Resp: 81

Ion Ratio Lower Upper

202 100

200 67.1 15.5 23.3#

203 86.6 14.2 21.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

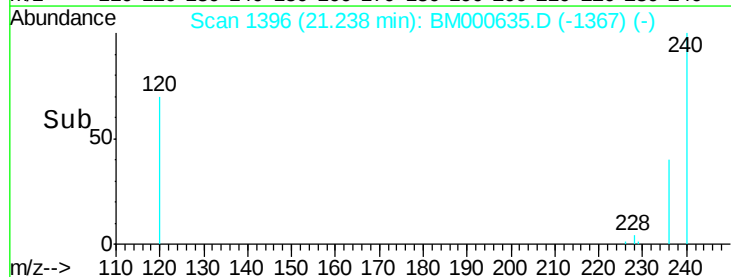
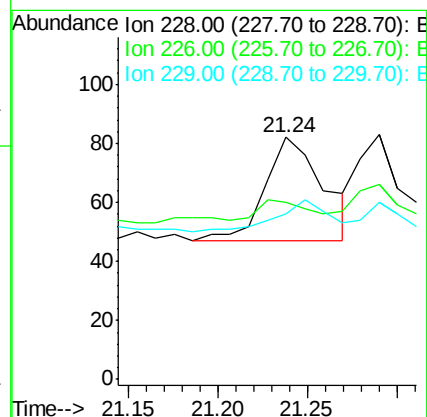
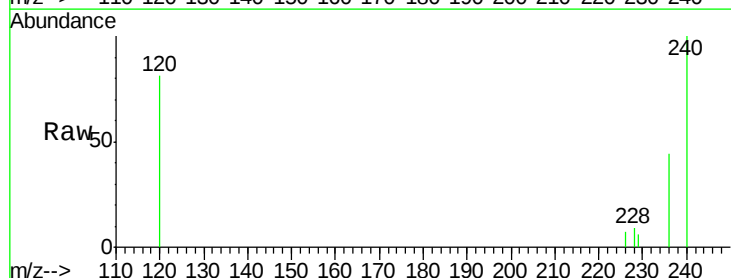
Tgt Ion:228 Resp: 79

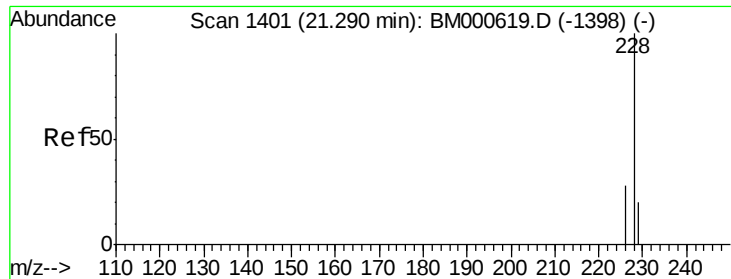
Ion Ratio Lower Upper

228 100

226 73.2 20.0 30.0#

229 68.3 16.7 25.1#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampled :

MDL-04-S

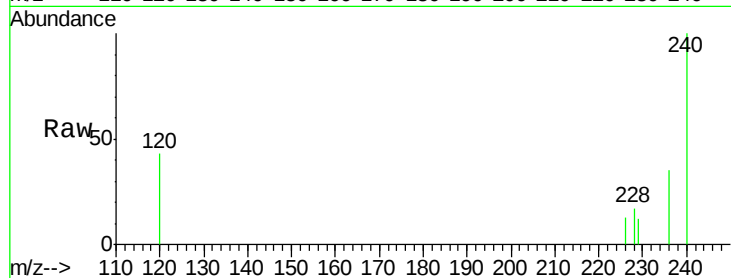
Tgt Ion:228 Resp: 60

Ion Ratio Lower Upper

228 100

226 79.5 22.6 33.8#

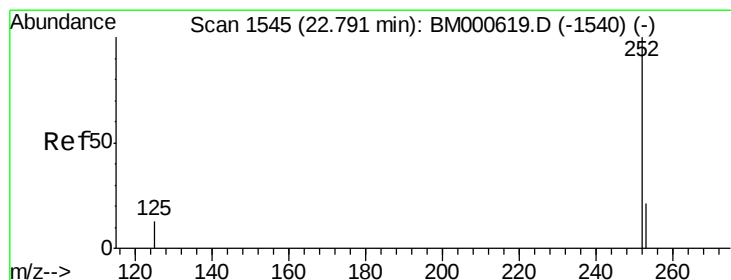
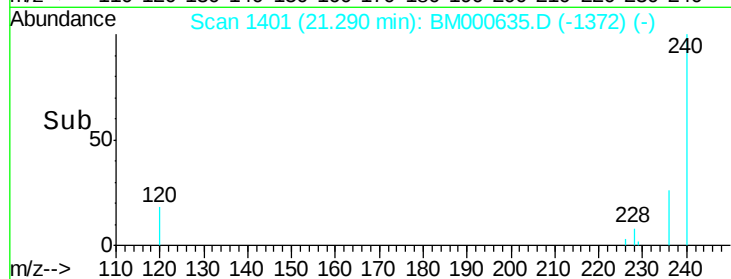
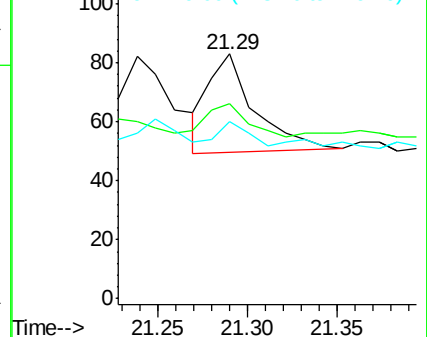
229 72.3 16.4 24.6#



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: 22.62 min Scan# 1529

Delta R.T. -0.17 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

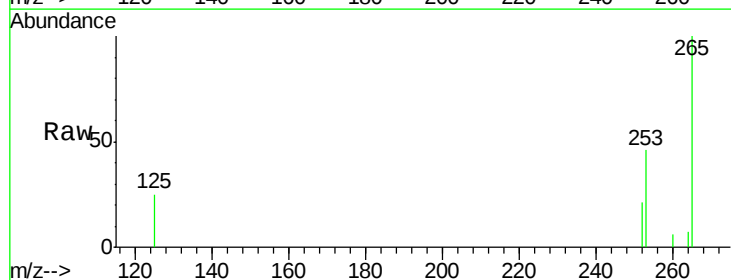
Tgt Ion:252 Resp: 412

Ion Ratio Lower Upper

252 100

253 221.3 0.0 51.2#

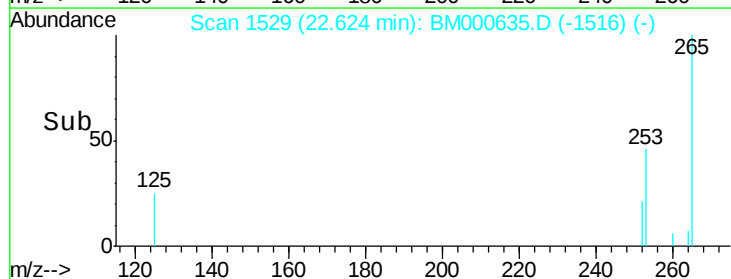
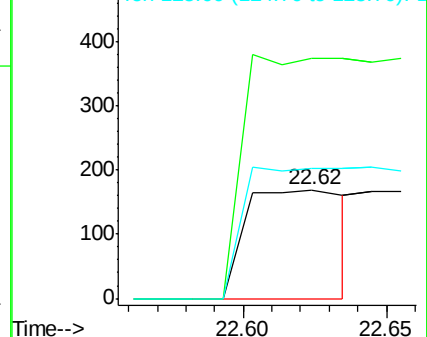
125 119.5 0.0 30.0#

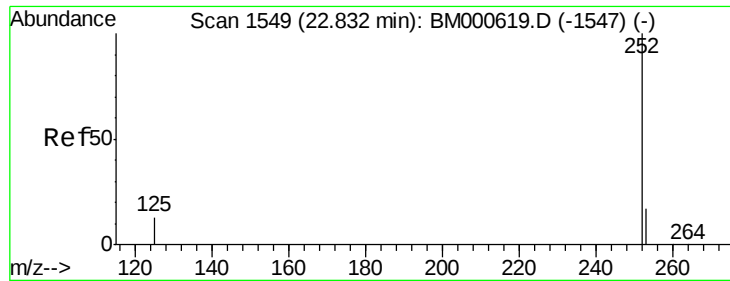


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 22.62 min Scan# 1529

Delta R.T. -0.21 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

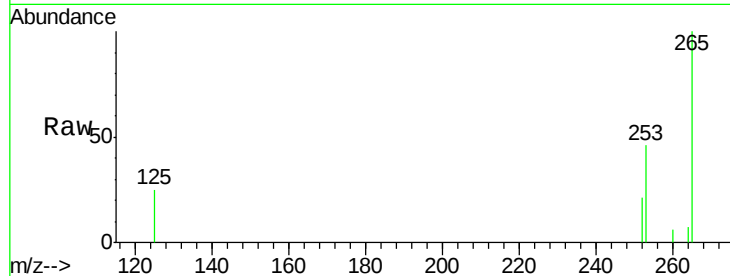
Tgt Ion:252 Resp: 412

Ion Ratio Lower Upper

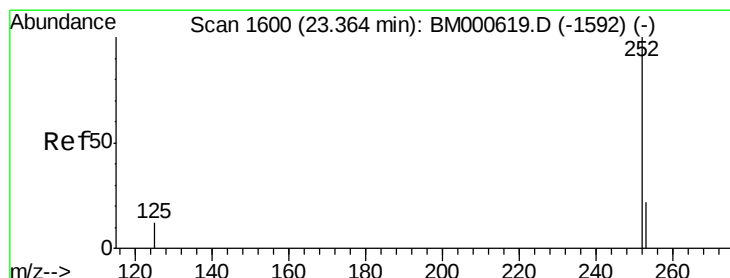
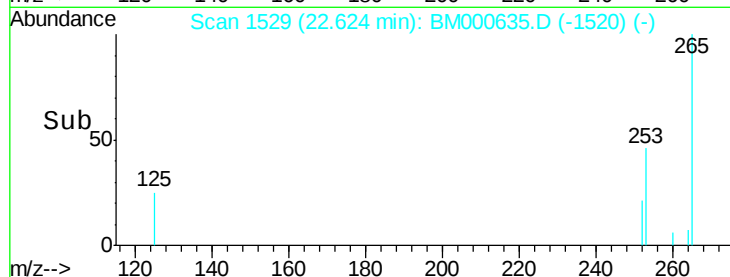
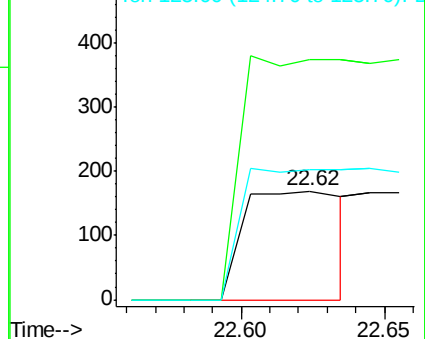
252 100

253 221.3 20.5 30.7#

125 119.5 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: BM000635.D

Acq: 04 Mar 2015 03:29

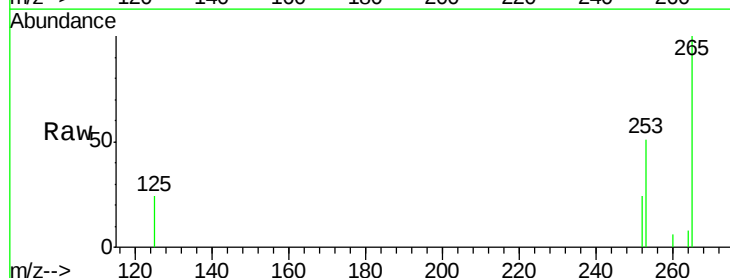
Tgt Ion:252 Resp: 75

Ion Ratio Lower Upper

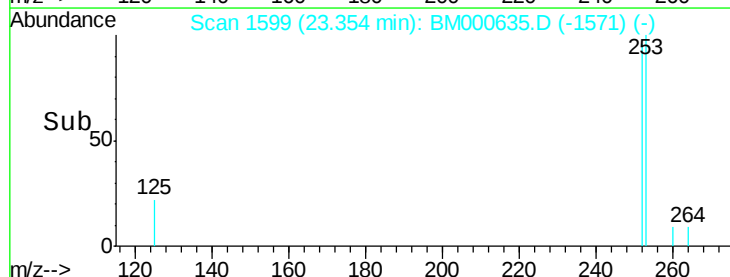
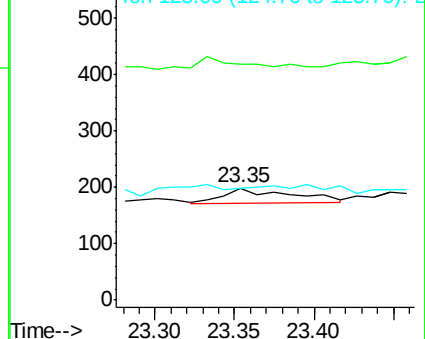
252 100

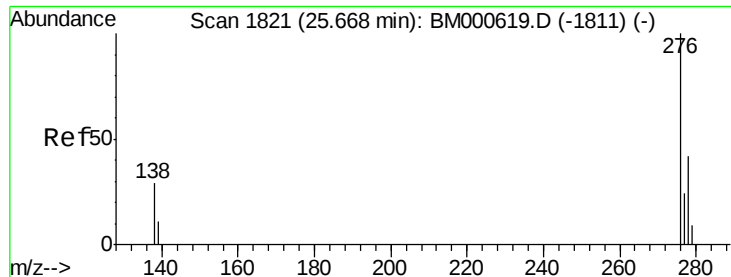
253 210.6 23.4 35.0#

125 99.5 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: 25.72 min Scan# 1826

Delta R.T. 0.05 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

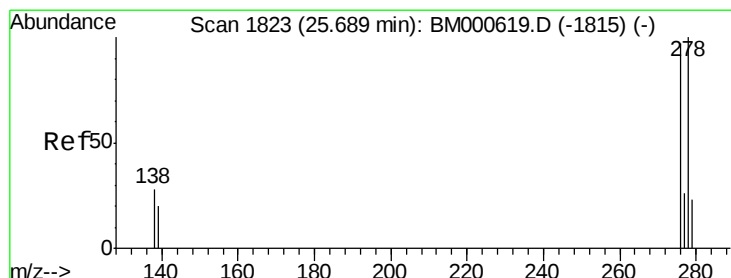
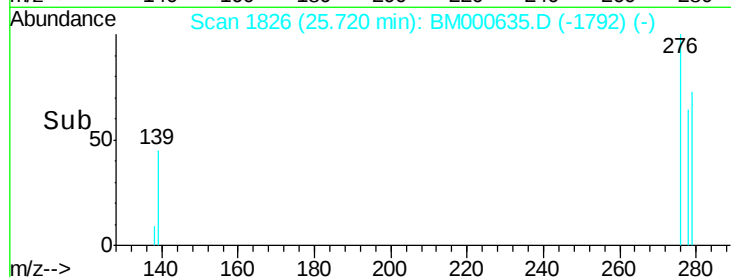
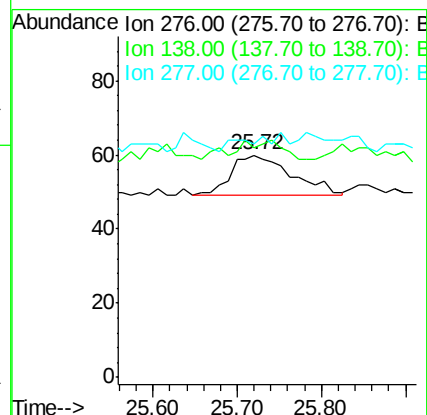
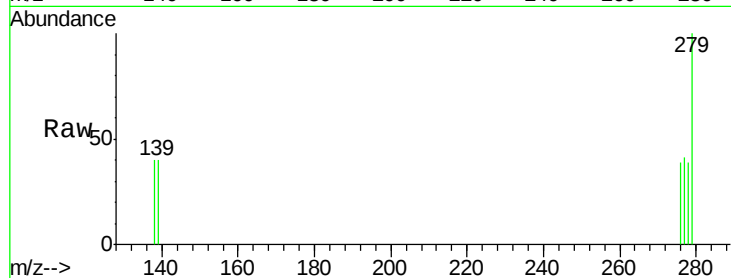
Tgt Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

138 37.5 23.8 35.8#

277 0.0 19.7 29.5#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. -0.04 min

Lab File: BM000635.D

Acq: 04 Mar 2015 03:29

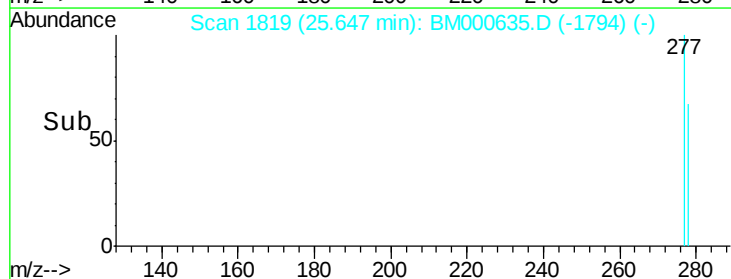
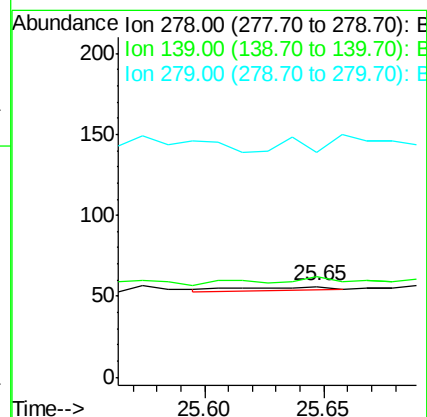
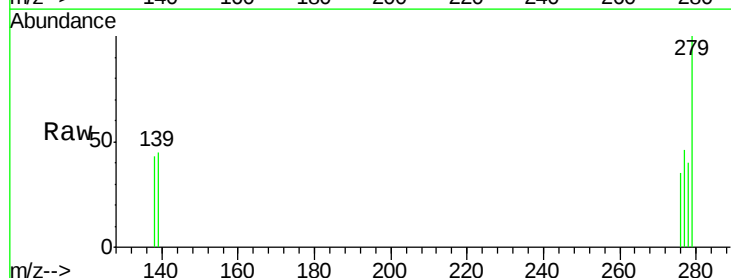
Tgt Ion:278 Resp: 6

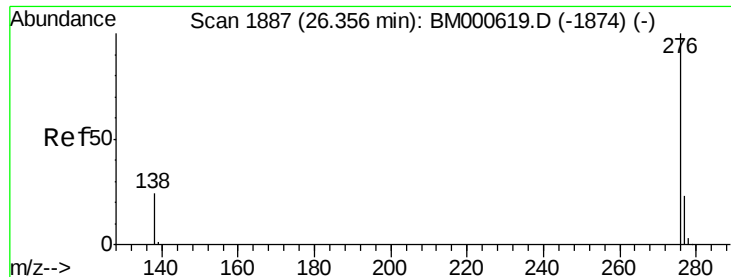
Ion Ratio Lower Upper

278 100

139 110.7 17.0 25.6#

279 248.2 22.3 33.5#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM000635.D

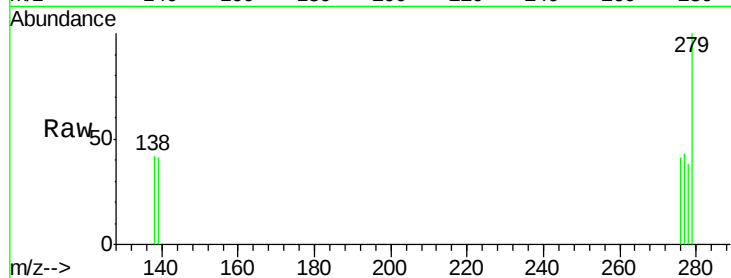
Acq: 04 Mar 2015 03:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-S



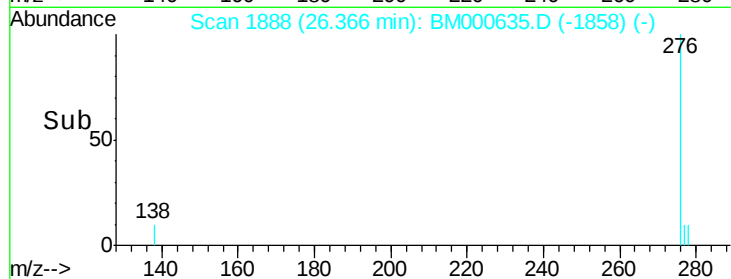
Tgt Ion: 276 Resp: 59

Ion Ratio Lower Upper

276 100

277 106.7 19.9 29.9#

138 103.3 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

