

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090415\
 Data File : BM002671.D
 Acq On : 04 Sep 2015 13:04
 Operator : UM/IZ
 Sample : MDL-01-S
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Quant Time: Sep 04 13:41:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 04 04:35:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7435	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	27561	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11002	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	20182	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	19015	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	18734	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	13.17	152	13799	0.37	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	20017	0.43	ng/ul	-0.01

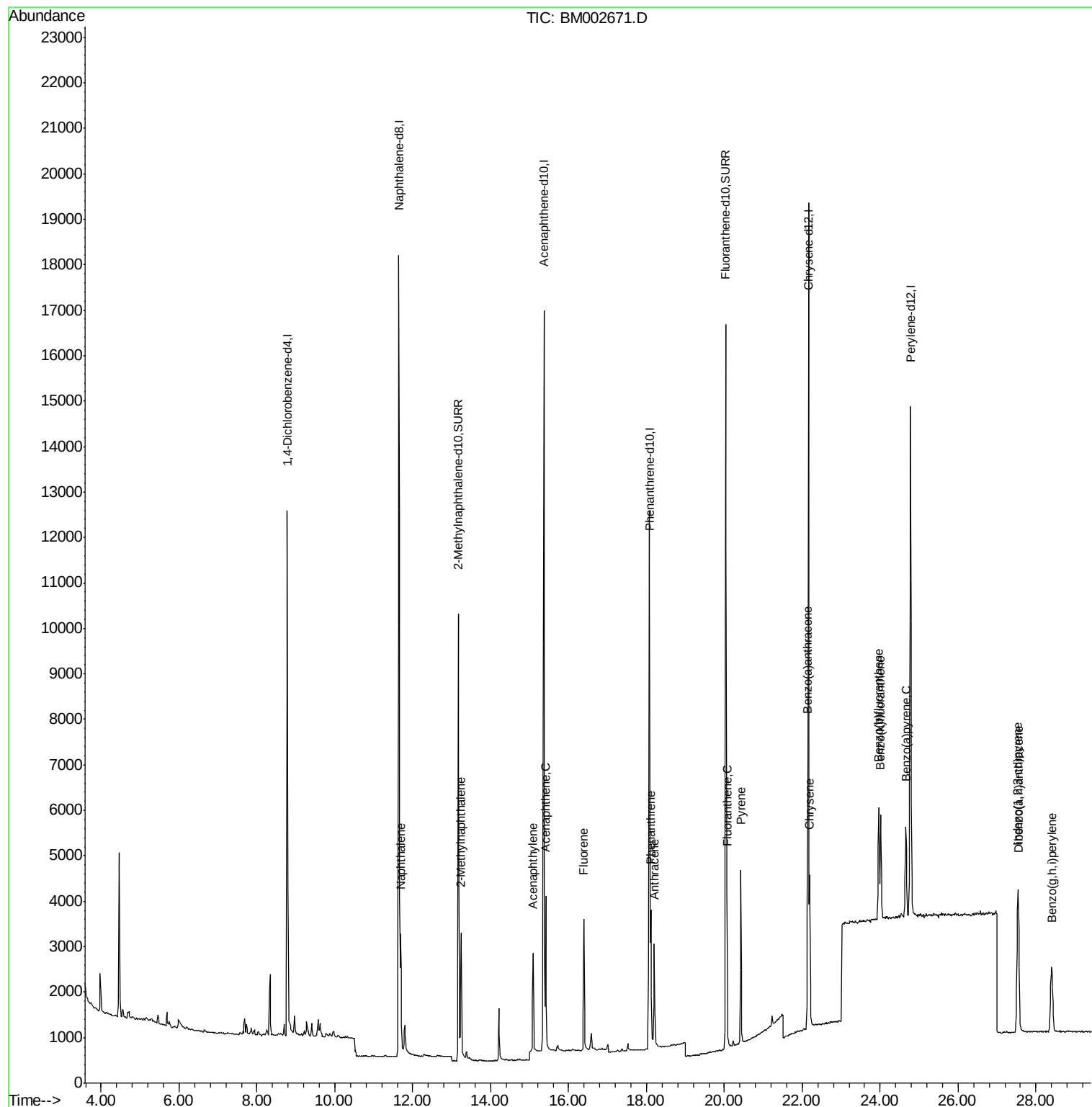
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.69	128	3616	0.05	ng/ul#	94
7) 2-Methylnaphthalene	13.24	142	2230m	0.05	ng/ul	
9) Acenaphthylene	15.09	152	2864	0.05	ng/ul#	96
10) Acenaphthene	15.42	153	2094	0.05	ng/ul	95
11) Fluorene	16.39	166	2187	0.05	ng/ul#	91
14) Phenanthrene	18.11	178	3243	0.05	ng/ul#	95
15) Anthracene	18.20	178	3162m	0.05	ng/ul	
17) Fluoranthene	20.07	202	3568	0.06	ng/ul	89
19) Pyrene	20.42	202	3656	0.05	ng/ul#	94
20) Benzo(a)anthracene	22.14	228	3530	0.06	ng/ul#	91
21) Chrysene	22.19	228	3357	0.06	ng/ul#	90
23) Benzo(b)fluoranthene	23.96	252	3917	0.06	ng/ul#	57
24) Benzo(k)fluoranthene	24.01	252	3338	0.05	ng/ul#	53
25) Benzo(a)pyrene	24.66	252	3353	0.05	ng/ul#	52
26) Indeno(1,2,3-cd)pyrene	27.54	276	4128	0.06	ng/ul	99
27) Dibenzo(a,h)anthracene	27.55	278	3199	0.05	ng/ul#	70
28) Benzo(g,h,i)perylene	28.40	276	3502	0.06	ng/ul#	76

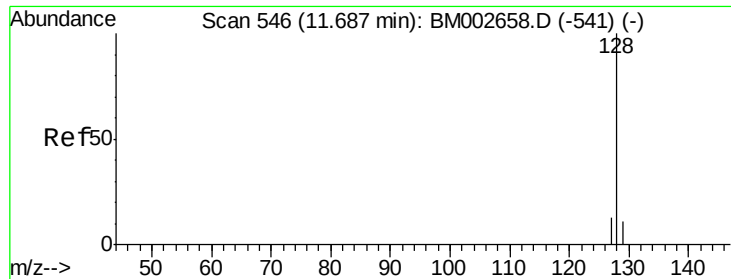
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 13:41:27 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM90315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 04 04:35:12 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

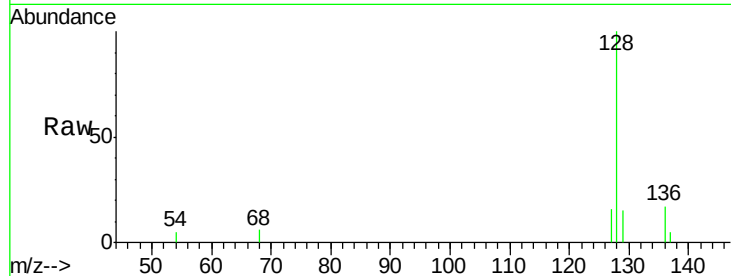
Tgt Ion:128 Resp: 3616

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

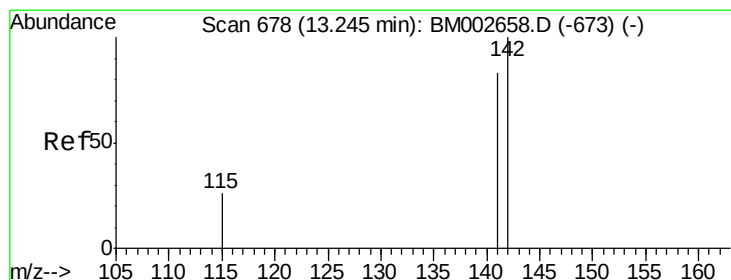
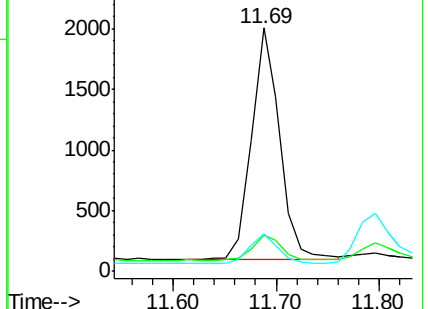
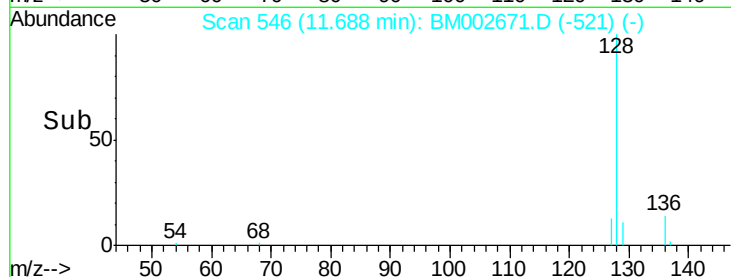
127 15.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.05 ng/ul m

RT: 13.24 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002671.D

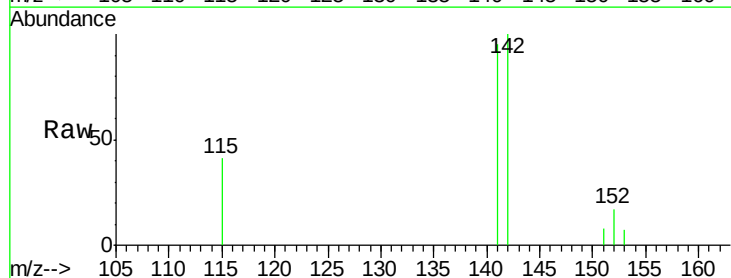
Acq: 04 Sep 2015 13:04

Tgt Ion:142 Resp: 2230

Ion Ratio Lower Upper

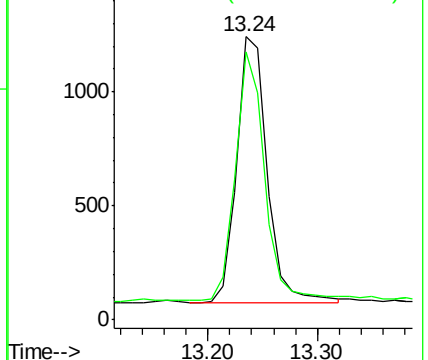
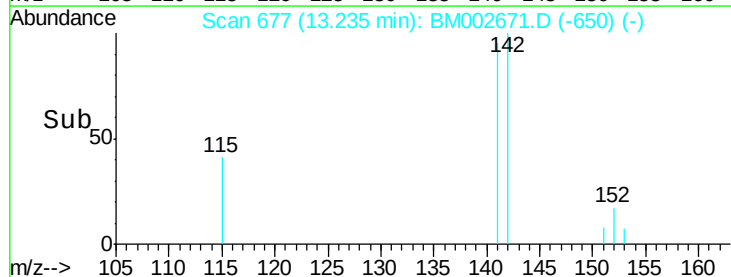
142 100

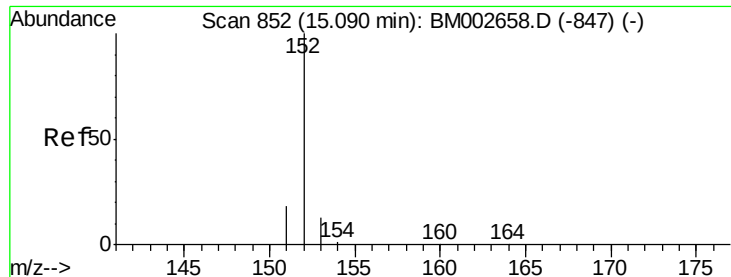
141 114.7 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

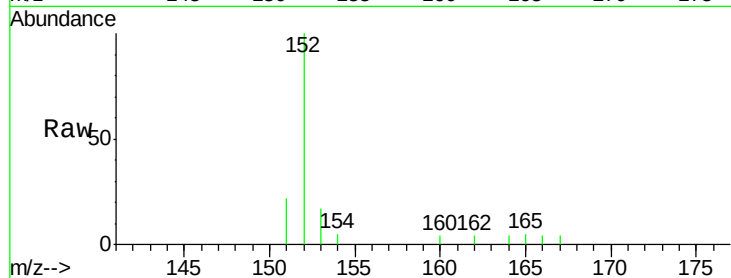
Tgt Ion:152 Resp: 2864

Ion Ratio Lower Upper

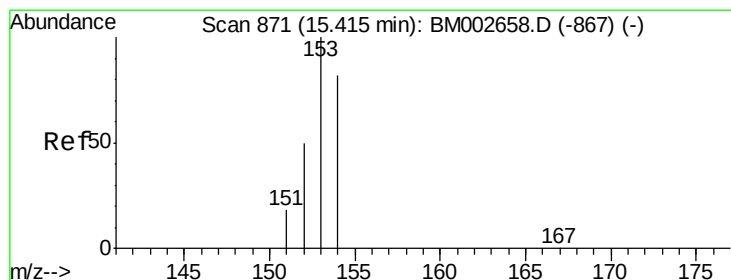
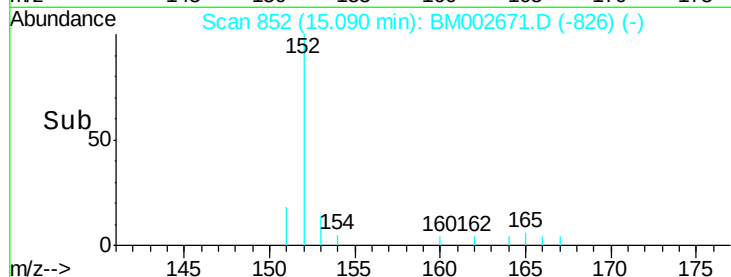
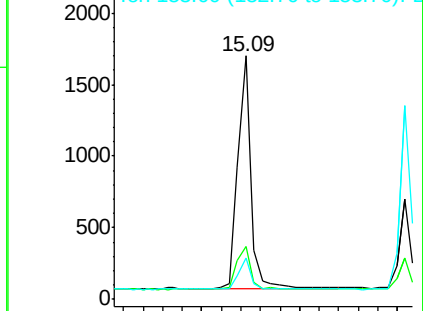
152 100

151 21.9 16.8 25.2

153 17.1 11.3 16.9#



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



#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

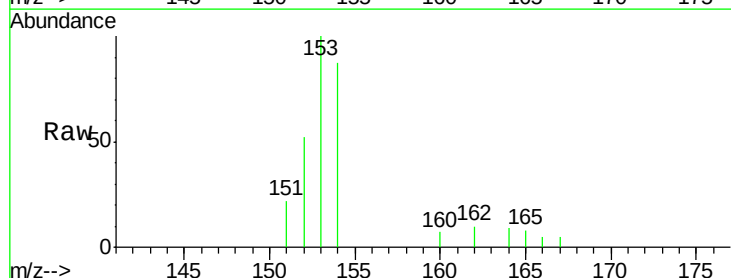
Tgt Ion:153 Resp: 2094

Ion Ratio Lower Upper

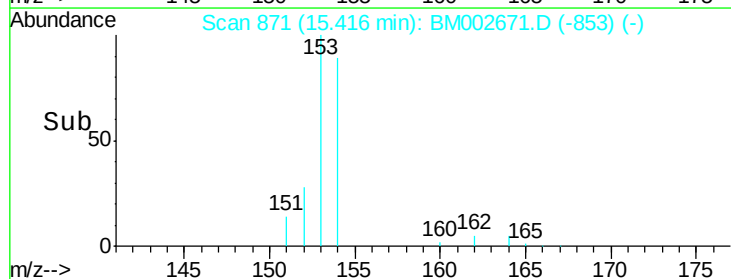
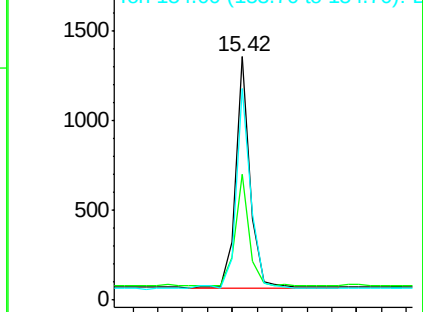
153 100

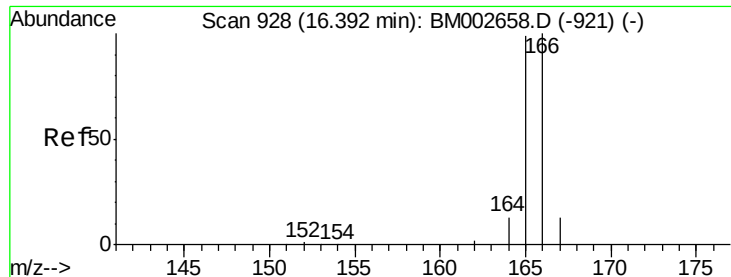
152 51.6 42.3 63.5

154 86.7 64.7 97.1



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

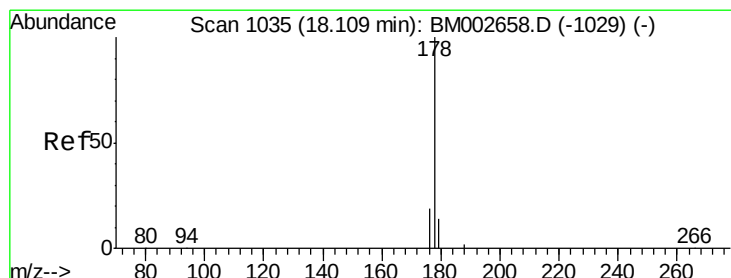
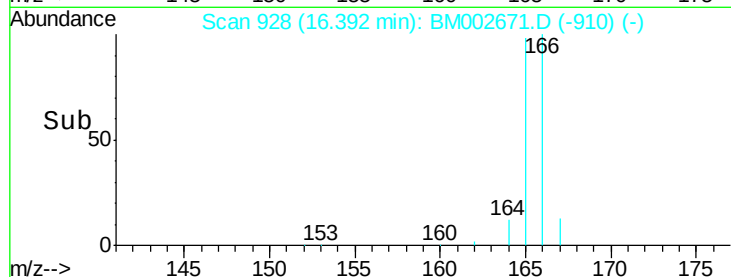
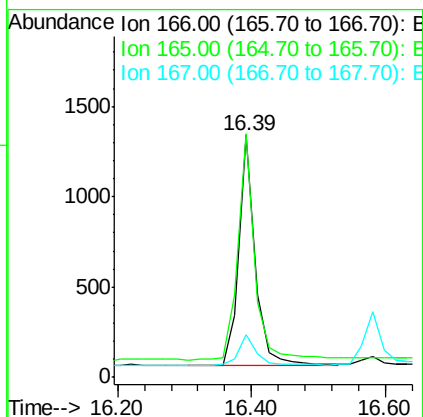
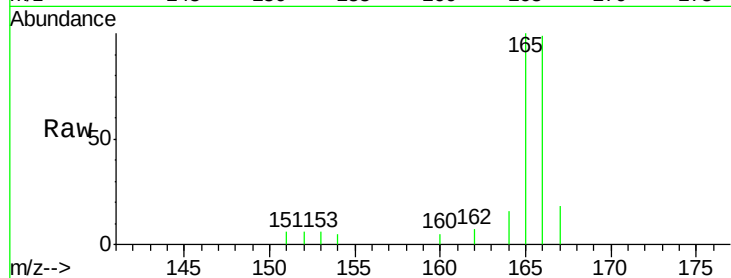




#11
 Fluorene
 Concen: 0.05 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002671.D
 Acq: 04 Sep 2015 13:04

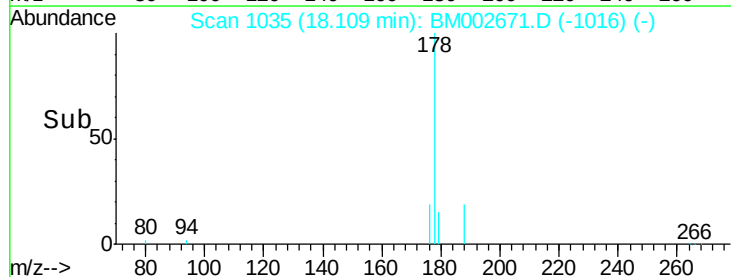
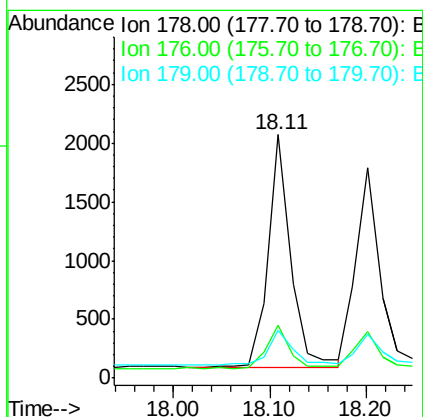
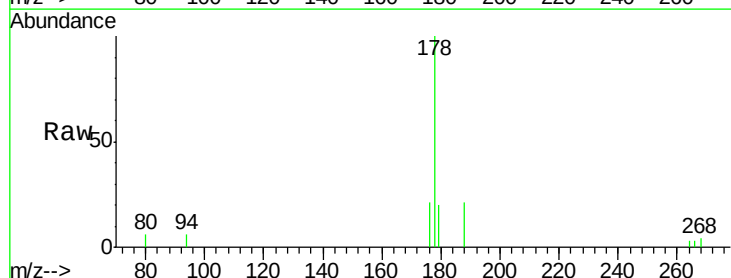
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

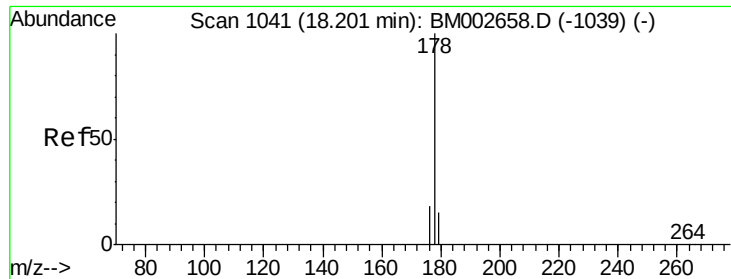
Tgt Ion:166 Resp: 2187
 Ion Ratio Lower Upper
 166 100
 165 100.5 87.6 131.4
 167 17.7 11.1 16.7#



#14
 Phenanthrene
 Concen: 0.05 ng/ul
 RT: 18.11 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BM002671.D
 Acq: 04 Sep 2015 13:04

Tgt Ion:178 Resp: 3243
 Ion Ratio Lower Upper
 178 100
 176 21.5 16.2 24.4
 179 19.9 12.8 19.2#





#15

Anthracene

Concen: 0.05 ng/ul m

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampled :

MDL-01-S

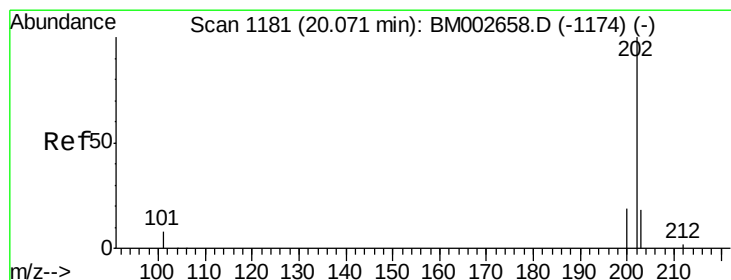
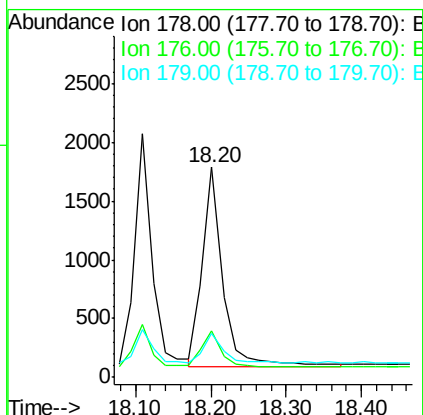
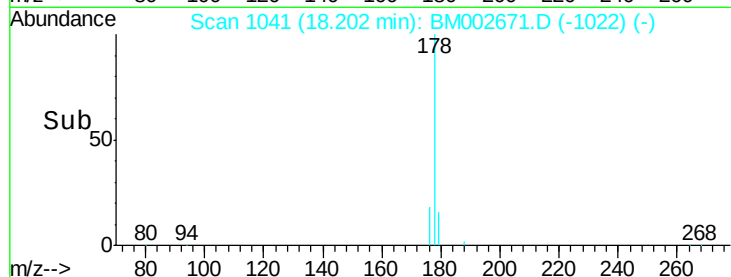
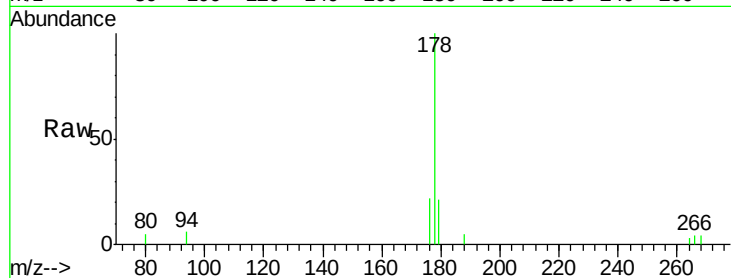
Tgt Ion:178 Resp: 3162

Ion Ratio Lower Upper

178 100

176 21.9 15.8 23.8

179 21.0 13.3 19.9#



#17

Fluoranthene

Concen: 0.06 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

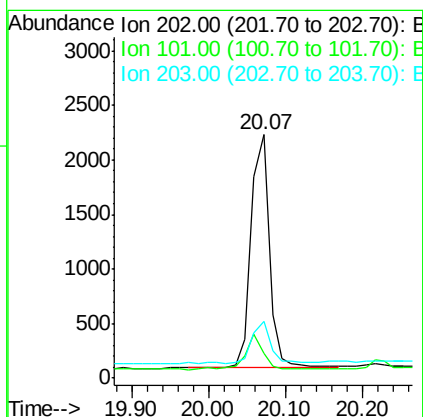
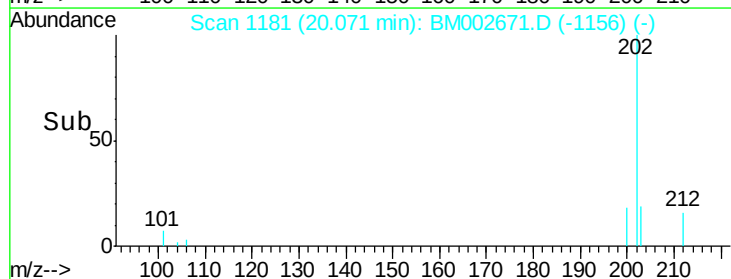
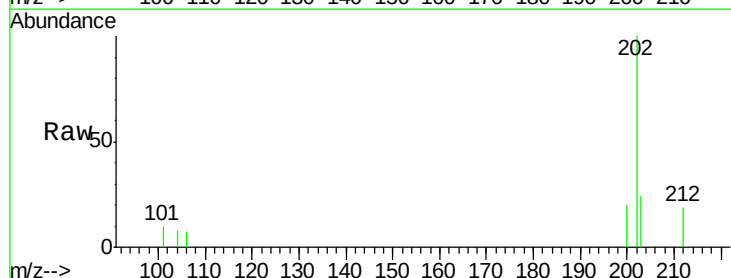
Tgt Ion:202 Resp: 3568

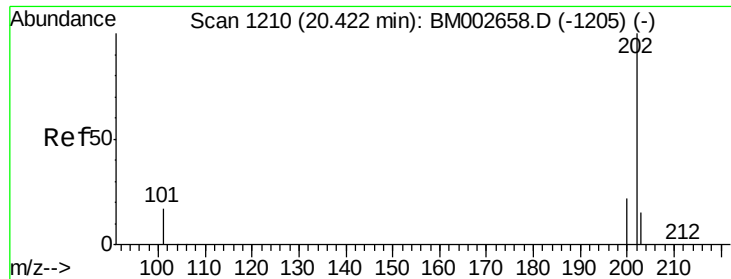
Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.1

203 23.5 0.0 37.2

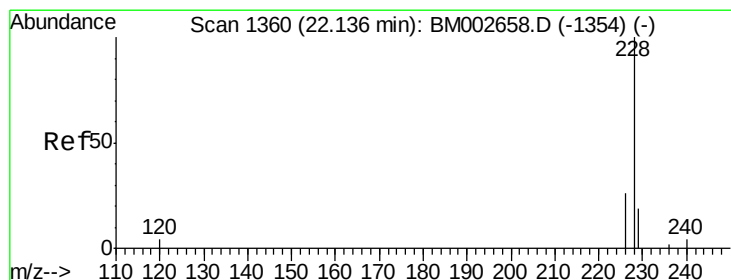
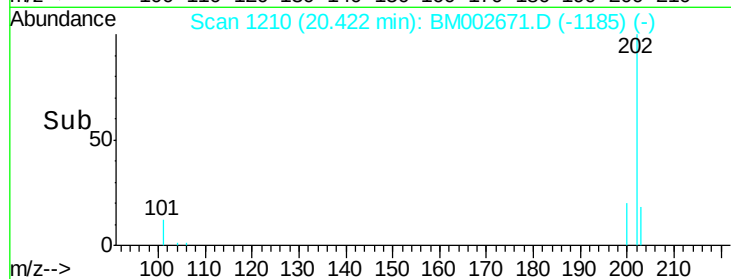
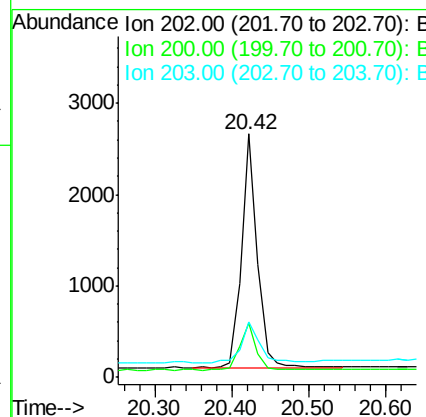
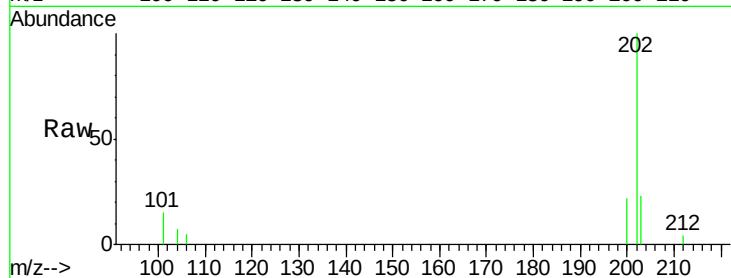




#19
 Pyrene
 Concen: 0.05 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002671.D
 Acq: 04 Sep 2015 13:04

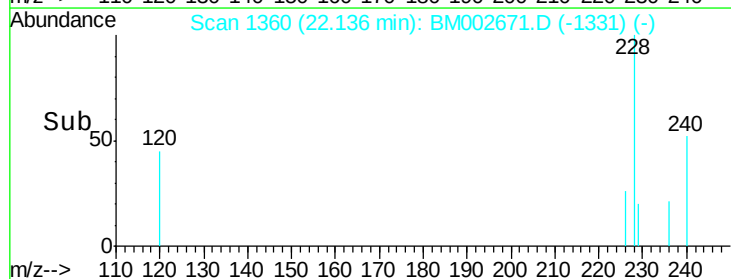
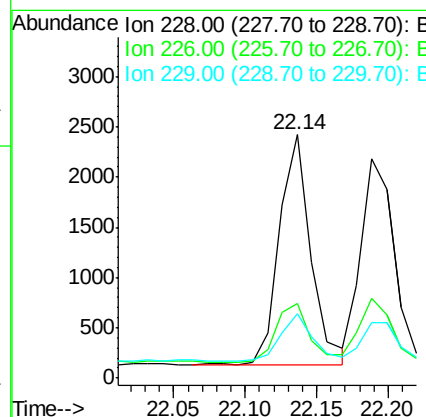
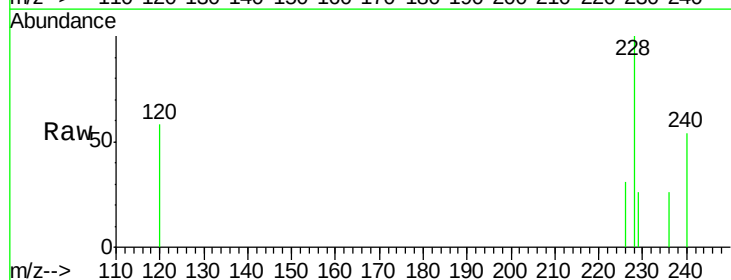
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

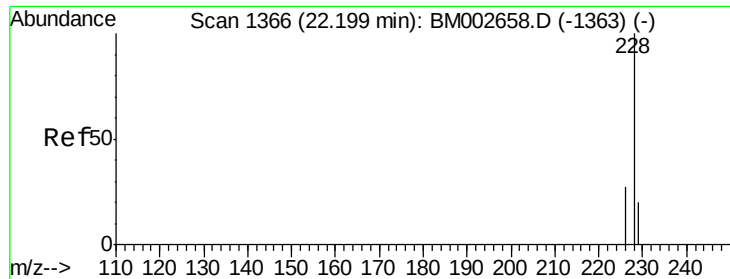
Tgt Ion: 202 Resp: 3656
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.0 27.0
 203 22.7 13.8 20.6#



#20
 Benzo(a)anthracene
 Concen: 0.06 ng/ul
 RT: 22.14 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BM002671.D
 Acq: 04 Sep 2015 13:04

Tgt Ion: 228 Resp: 3530
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.0 34.4
 229 26.2 15.2 22.8#





#21

Chrysene

Concen: 0.06 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

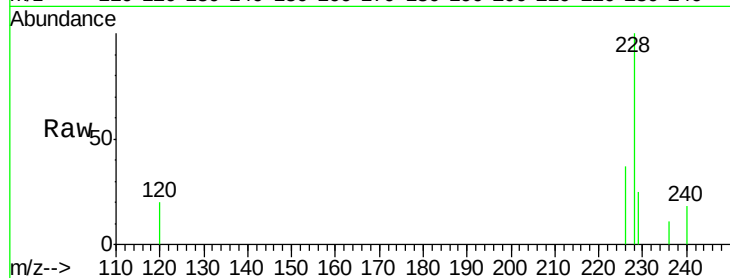
Tgt Ion:228 Resp: 3357

Ion Ratio Lower Upper

228 100

226 36.5 25.7 38.5

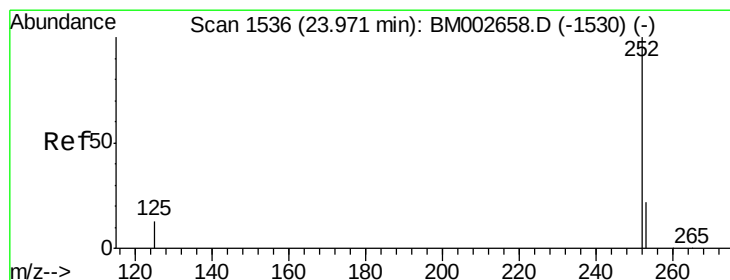
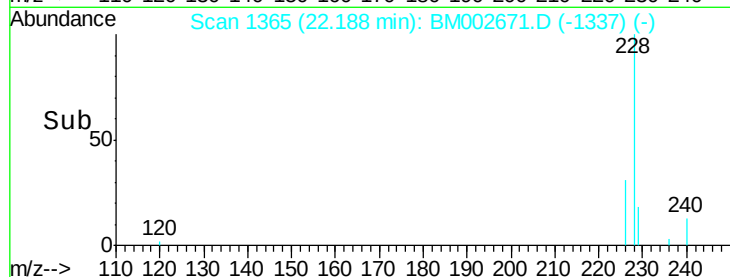
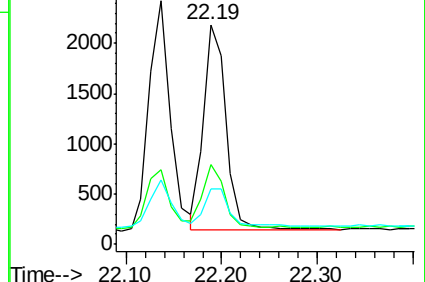
229 25.0 15.2 22.8#



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: 0.06 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

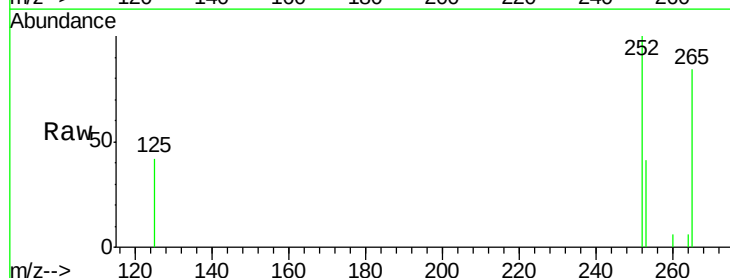
Tgt Ion:252 Resp: 3917

Ion Ratio Lower Upper

252 100

253 40.9 0.0 48.0

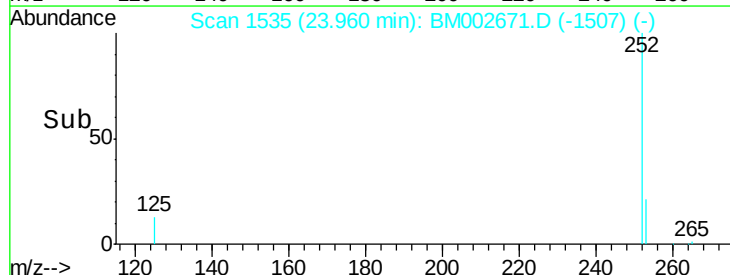
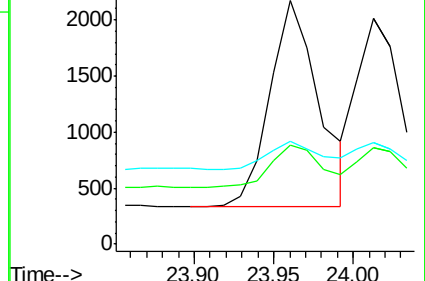
125 42.2 0.0 36.6#

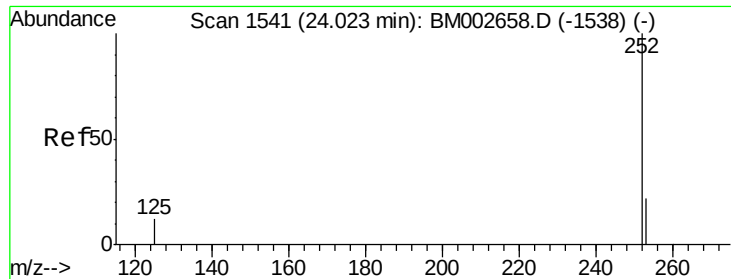


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

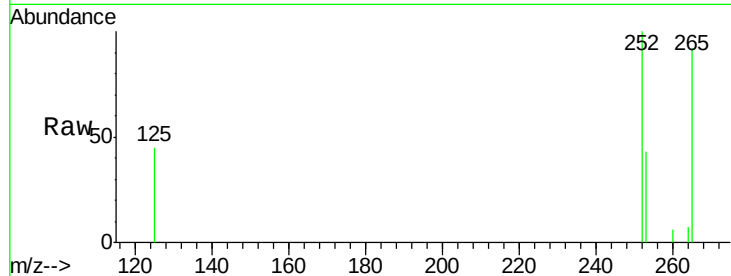
Tgt Ion:252 Resp: 3338

Ion Ratio Lower Upper

252 100

253 42.8 20.8 31.2#

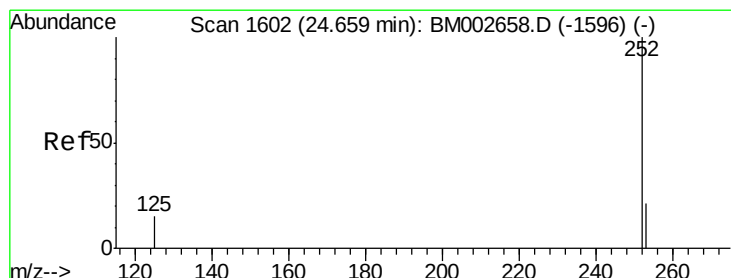
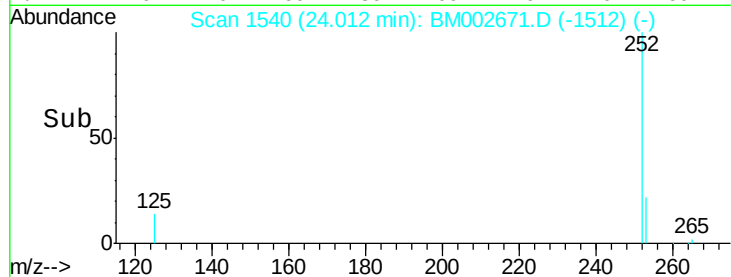
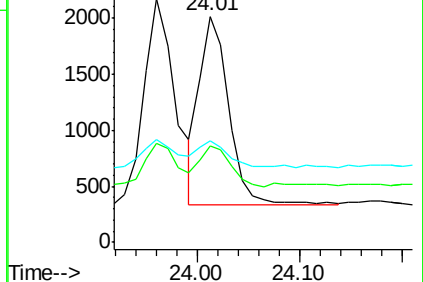
125 45.0 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

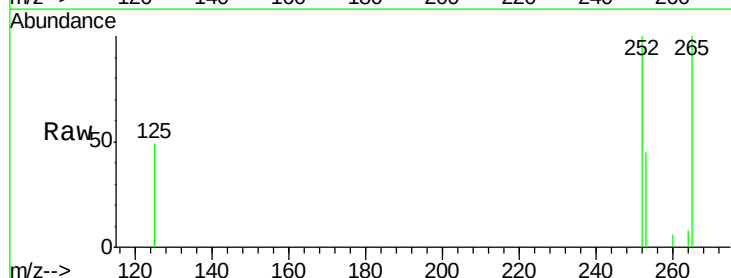
Tgt Ion:252 Resp: 3353

Ion Ratio Lower Upper

252 100

253 45.1 21.8 32.8#

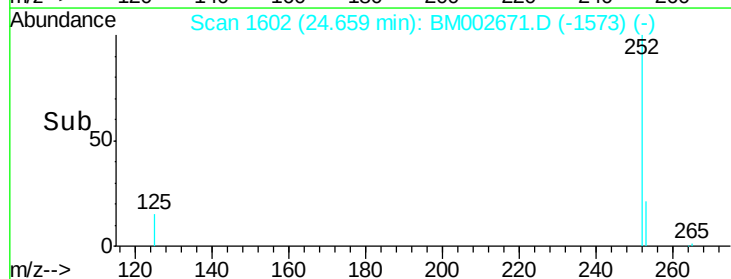
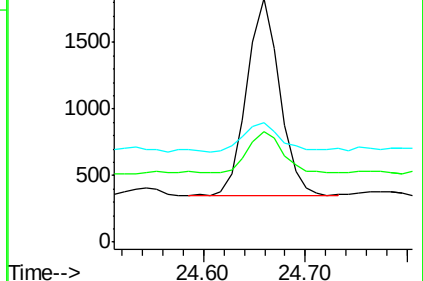
125 49.0 14.5 21.7#

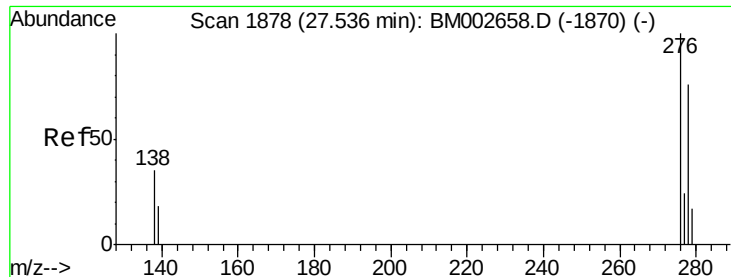


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.06 ng/ul

RT: 27.54 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

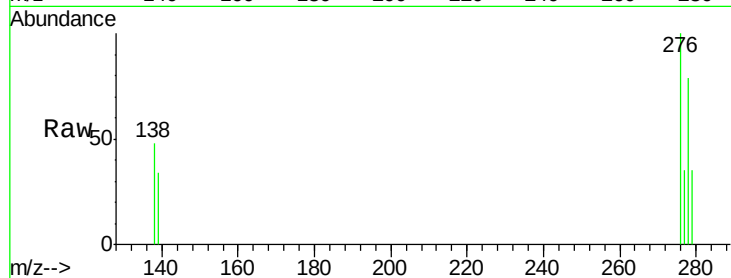
Tgt Ion:276 Resp: 4128

Ion Ratio Lower Upper

276 100

138 35.3 27.5 41.3

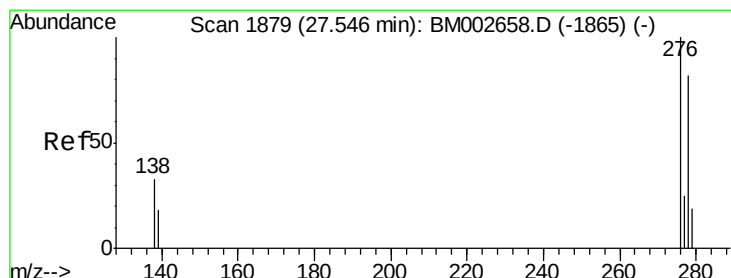
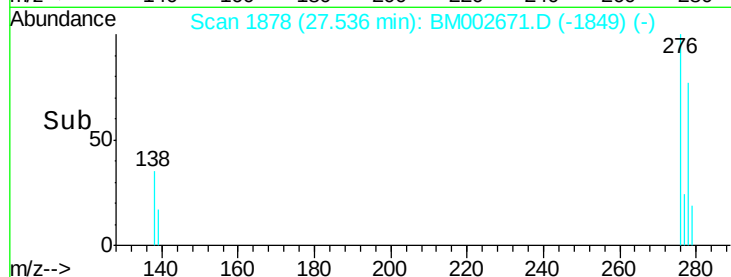
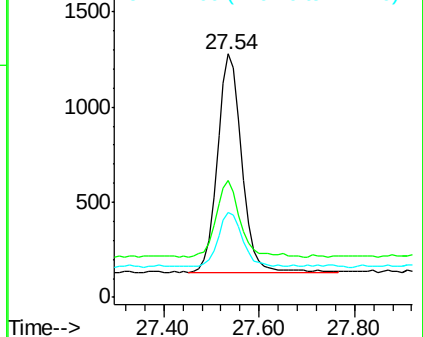
277 24.2 19.3 28.9



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: 0.05 ng/ul

RT: 27.55 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BM002671.D

Acq: 04 Sep 2015 13:04

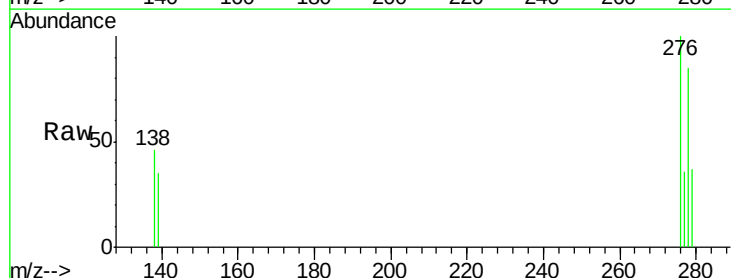
Tgt Ion:278 Resp: 3199

Ion Ratio Lower Upper

278 100

139 41.5 21.7 32.5#

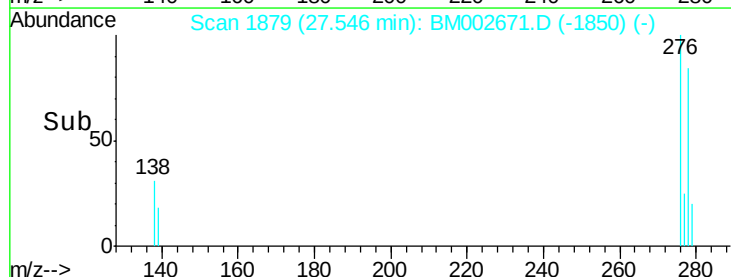
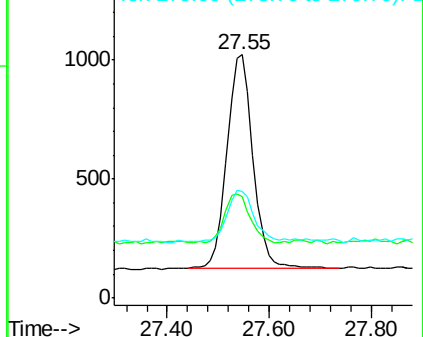
279 43.7 21.9 32.9#

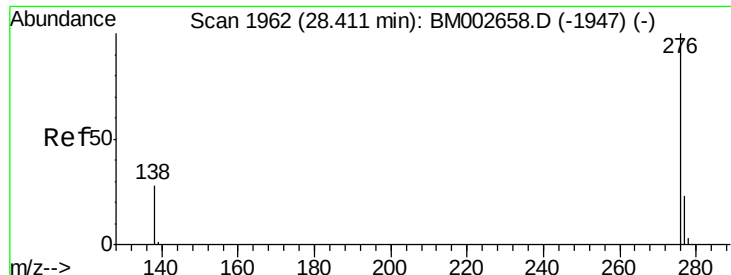


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.06 ng/ul

RT: 28.40 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BM002671.D

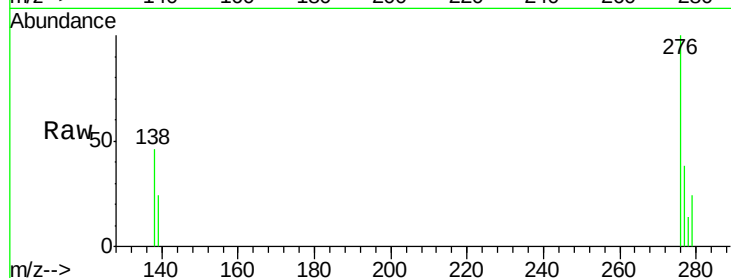
Acq: 04 Sep 2015 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S



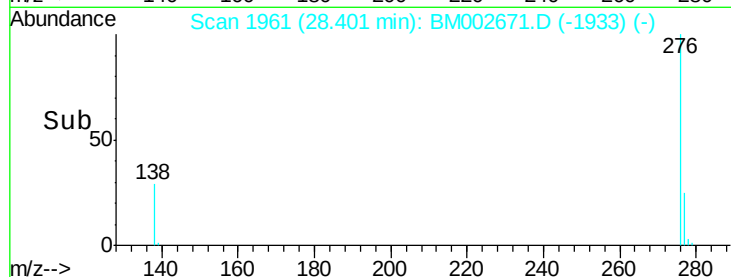
Tgt Ion: 276 Resp: 3502

Ion Ratio Lower Upper

276 100

277 37.8 21.3 31.9#

138 46.5 25.5 38.3#



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

