

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090415\
 Data File : BM002677.D
 Acq On : 04 Sep 2015 16:44
 Operator : UM/IZ
 Sample : MDL-07-S
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Quant Time: Sep 04 17:15:55 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	8544	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	33728	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	13965	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.06	188	24361	0.40	ng/ul	-0.02
18) Chrysene-d12	22.16	240	21319	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	21086	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	19454	0.43	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	27503	0.49	ng/ul	-0.01

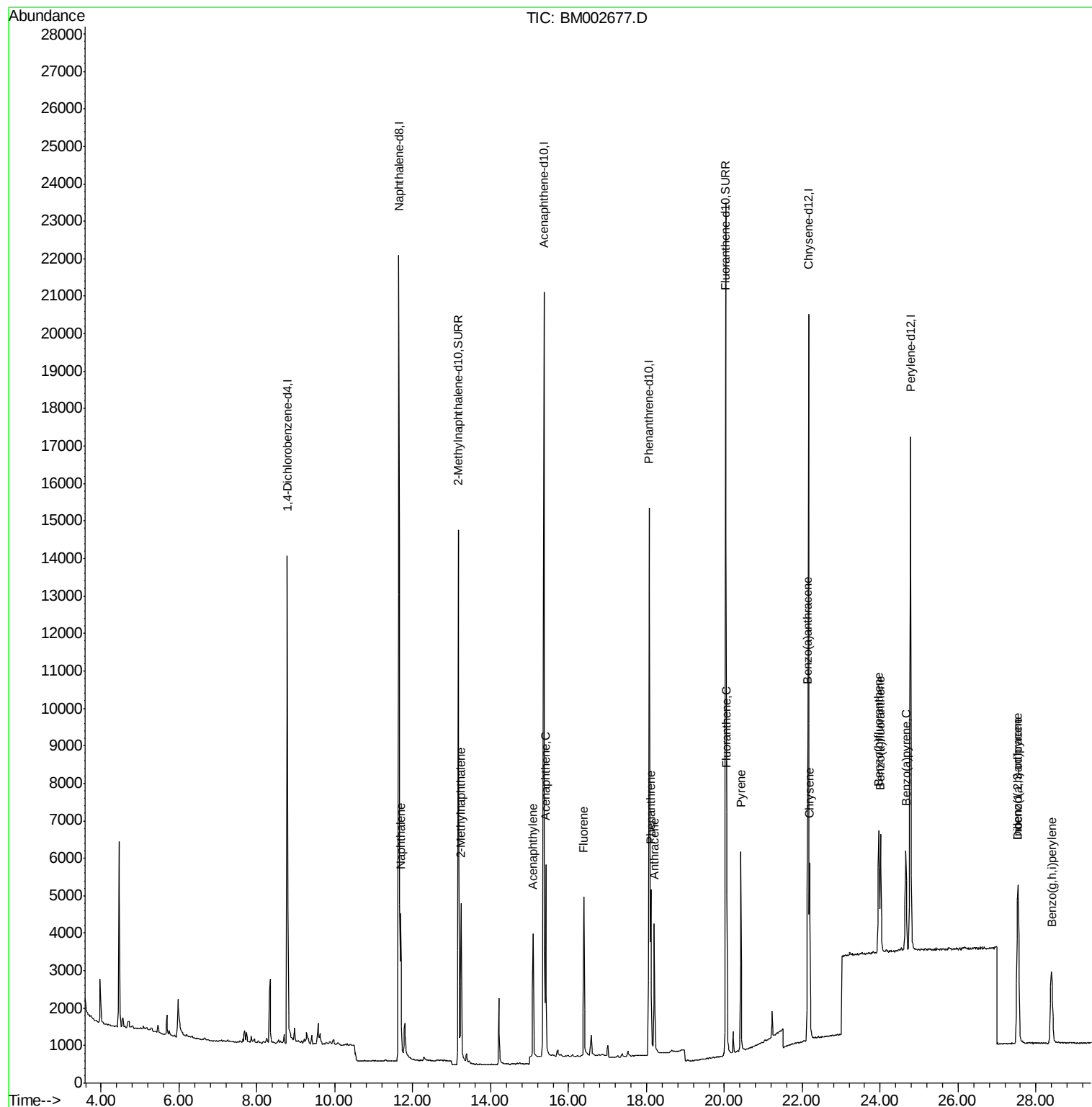
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.69	128	5227	0.06	ng/ul	96
7) 2-Methylnaphthalene	13.23	142	3340m	0.06	ng/ul	
9) Acenaphthylene	15.09	152	4617	0.06	ng/ul	96
10) Acenaphthene	15.42	153	3137	0.06	ng/ul	94
11) Fluorene	16.39	166	3272	0.06	ng/ul#	90
14) Phenanthrene	18.11	178	4752	0.07	ng/ul	98
15) Anthracene	18.20	178	4458	0.06	ng/ul	97
17) Fluoranthene	20.06	202	5044	0.07	ng/ul	93
19) Pyrene	20.42	202	5170	0.06	ng/ul#	95
20) Benzo(a)anthracene	22.14	228	4809	0.07	ng/ul#	94
21) Chrysene	22.19	228	4561	0.07	ng/ul#	94
23) Benzo(b)fluoranthene	23.96	252	5356	0.07	ng/ul	69
24) Benzo(k)fluoranthene	24.01	252	4405	0.06	ng/ul#	68
25) Benzo(a)pyrene	24.66	252	4537	0.07	ng/ul#	63
26) Indeno(1,2,3-cd)pyrene	27.54	276	5524	0.07	ng/ul	99
27) Dibenzo(a,h)anthracene	27.54	278	4361	0.06	ng/ul#	80
28) Benzo(g,h,i)perylene	28.40	276	4789	0.07	ng/ul#	87

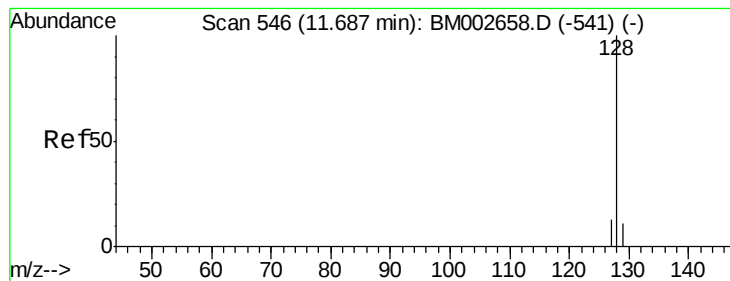
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 17:15:55 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: 0.06 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

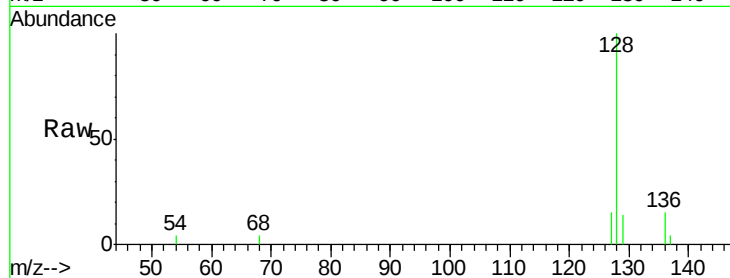
Tgt Ion:128 Resp: 5227

Ion Ratio Lower Upper

128 100

129 13.7 9.8 14.8

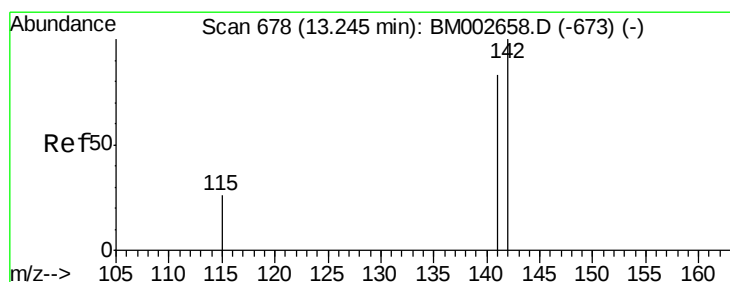
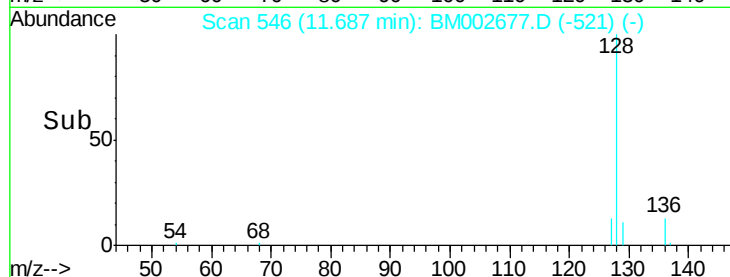
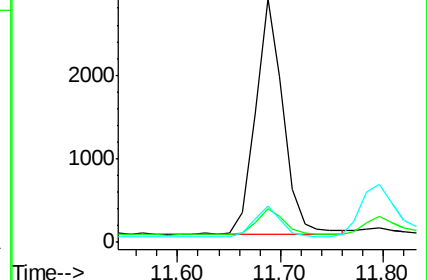
127 15.0 10.7 16.1



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: 0.06 ng/ul m

RT: 13.23 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002677.D

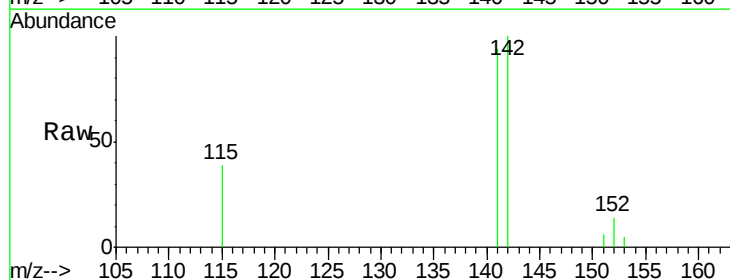
Acq: 04 Sep 2015 16:44

Tgt Ion:142 Resp: 3340

Ion Ratio Lower Upper

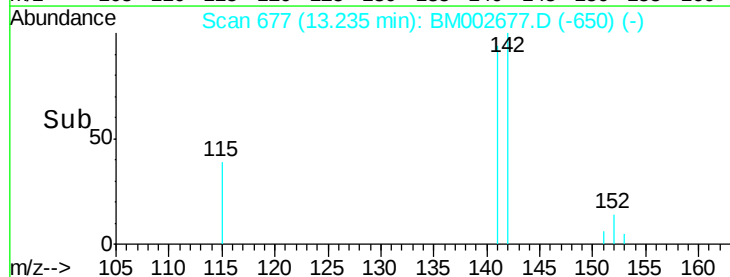
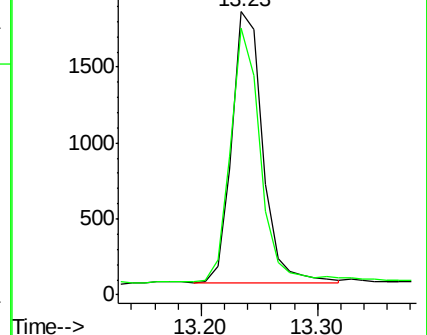
142 100

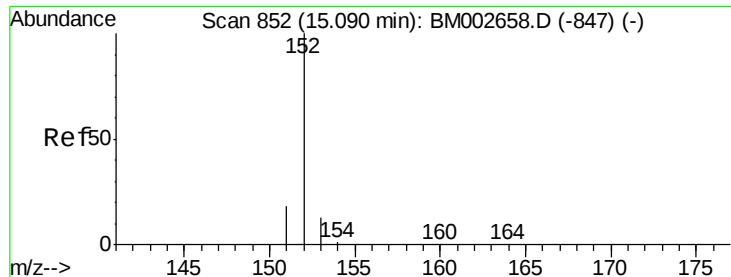
141 108.6 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.06 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

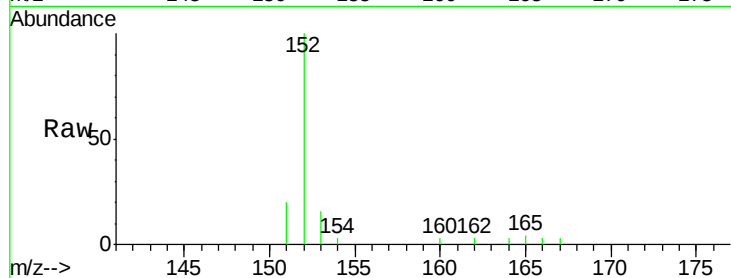
Tgt Ion:152 Resp: 4617

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

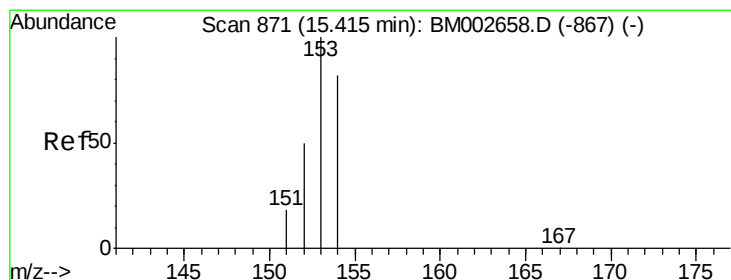
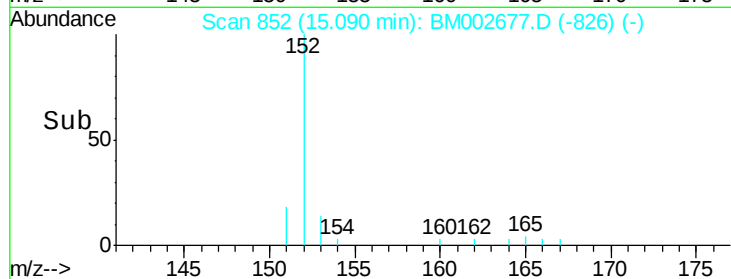
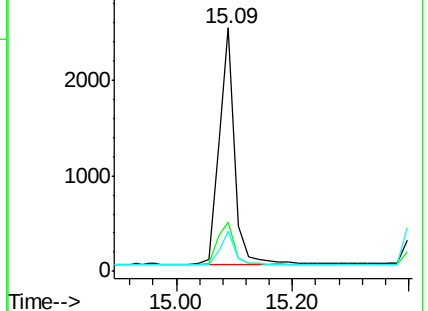
153 16.4 11.3 16.9



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: 0.06 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

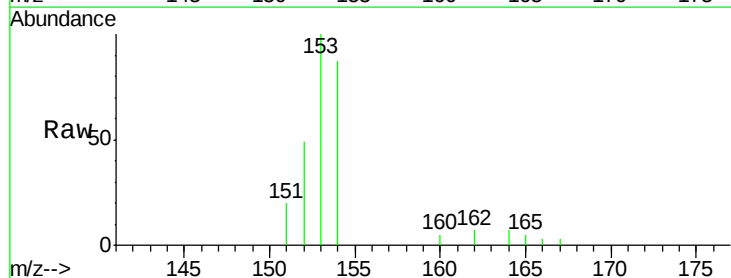
Tgt Ion:153 Resp: 3137

Ion Ratio Lower Upper

153 100

152 49.2 42.3 63.5

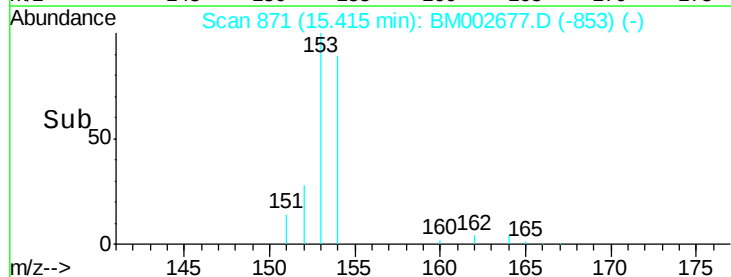
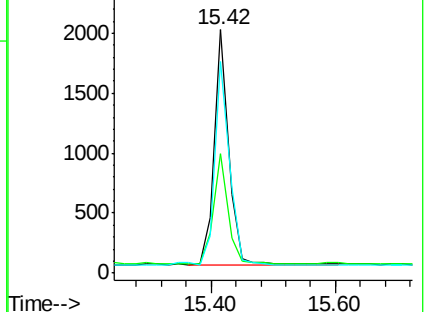
154 86.8 64.7 97.1

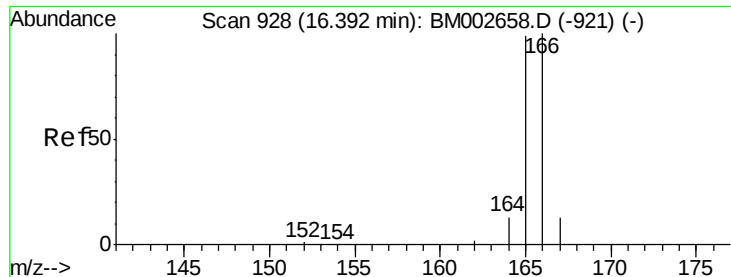


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

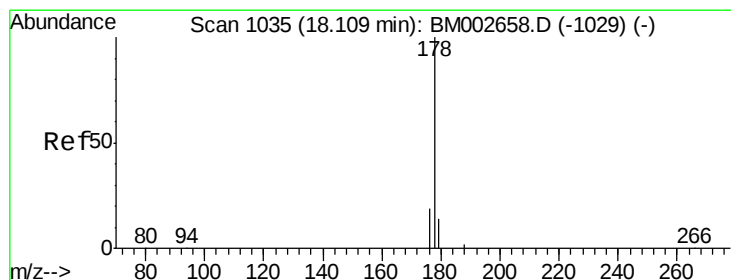
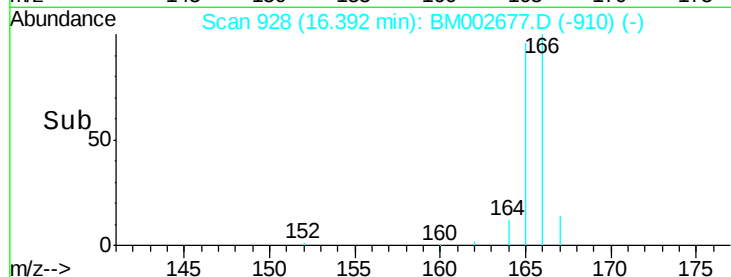
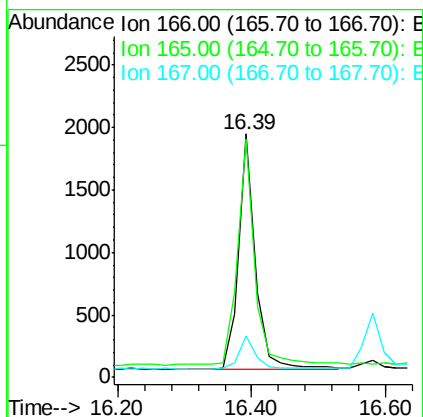
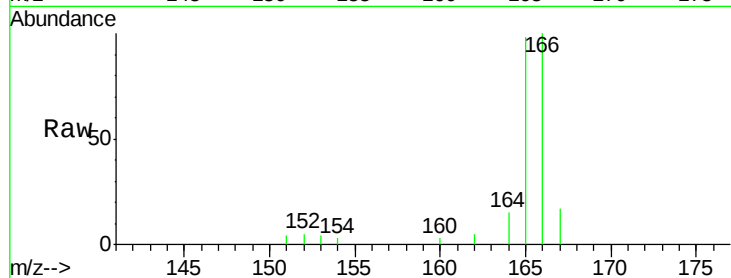




#11
Fluorene
 Concen: 0.06 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BM002677.D
 Acq: 04 Sep 2015 16:44

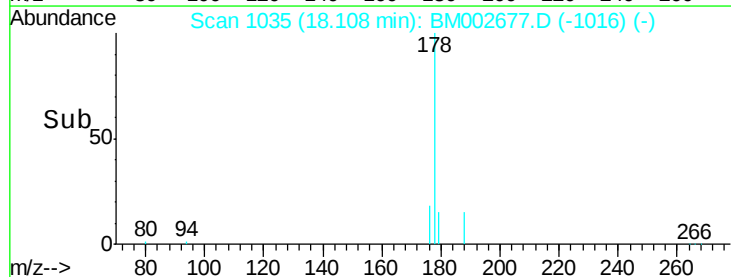
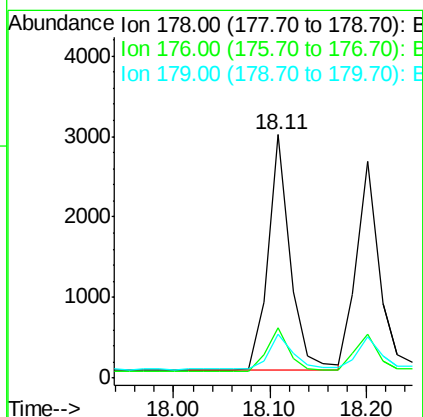
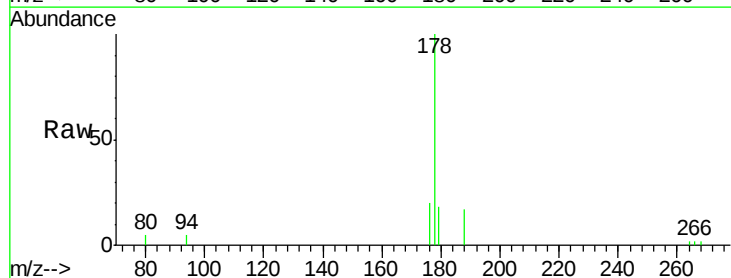
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

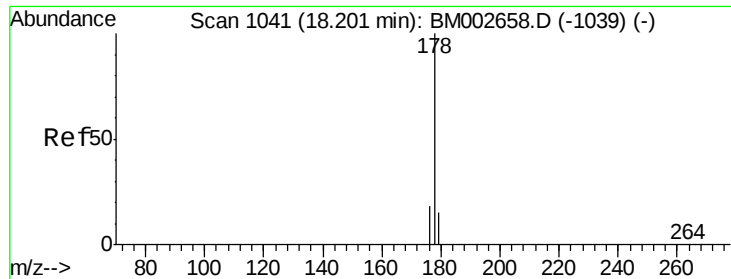
Tgt Ion:166 Resp: 3272
 Ion Ratio Lower Upper
 166 100
 165 98.1 87.6 131.4
 167 17.0 11.1 16.7#



#14
Phenanthrene
 Concen: 0.07 ng/ul
 RT: 18.11 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BM002677.D
 Acq: 04 Sep 2015 16:44

Tgt Ion:178 Resp: 4752
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 18.0 12.8 19.2





#15

Anthracene

Concen: 0.06 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

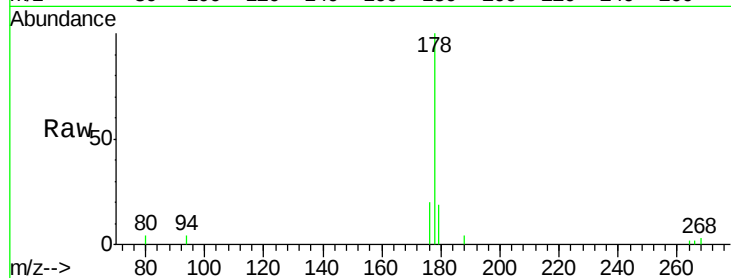
Tgt Ion:178 Resp: 4458

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

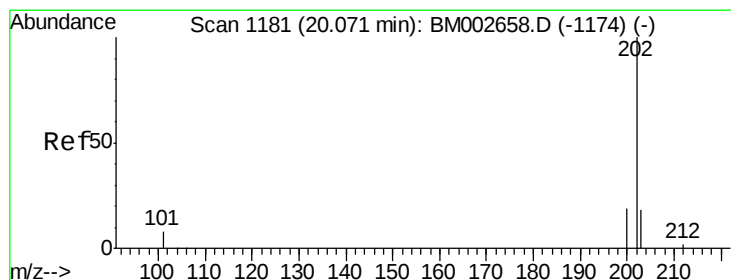
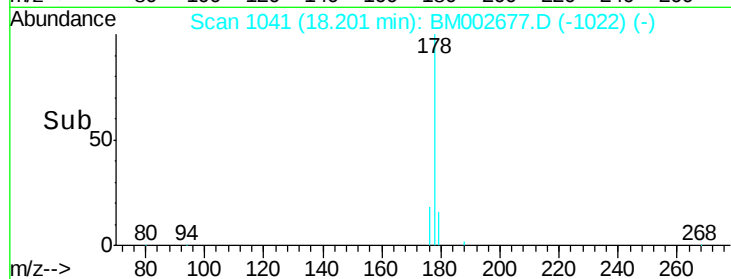
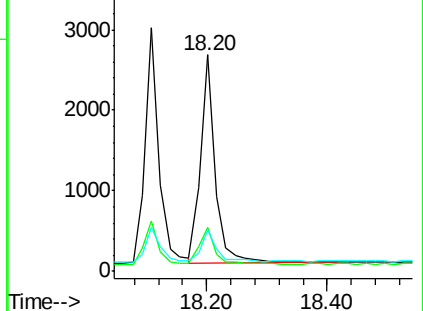
179 19.4 13.3 19.9



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: 0.07 ng/ul

RT: 20.06 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

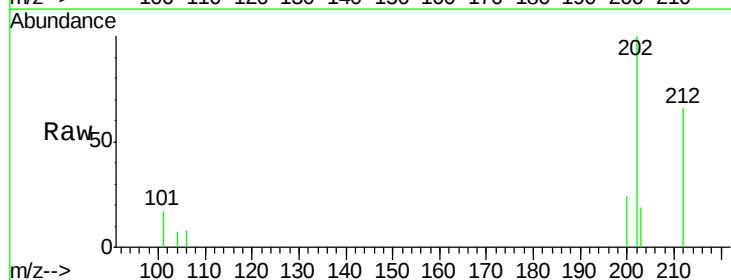
Tgt Ion:202 Resp: 5044

Ion Ratio Lower Upper

202 100

101 17.3 0.0 33.1

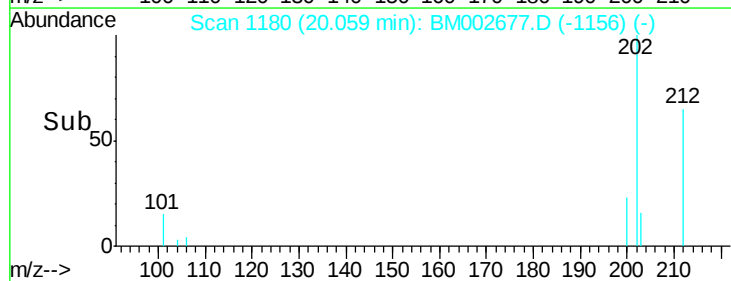
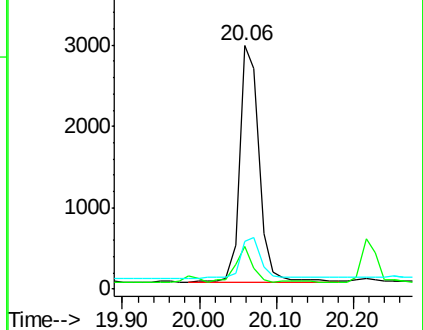
203 19.4 0.0 37.2

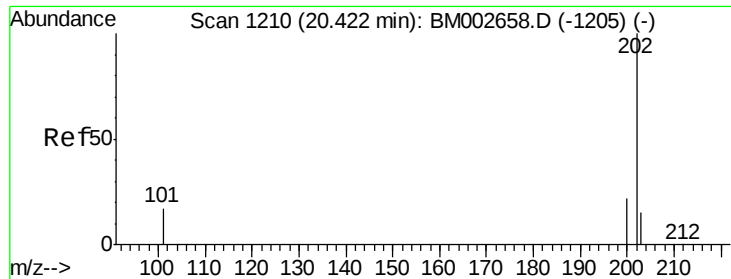


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

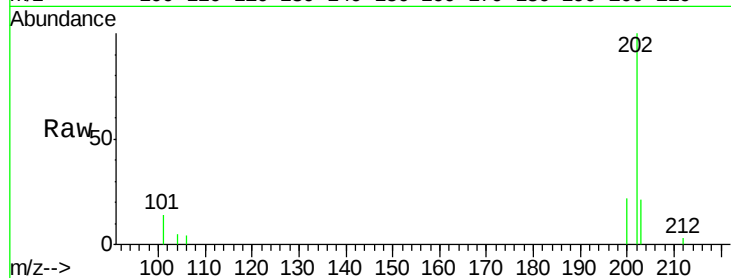
Tgt Ion:202 Resp: 5170

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

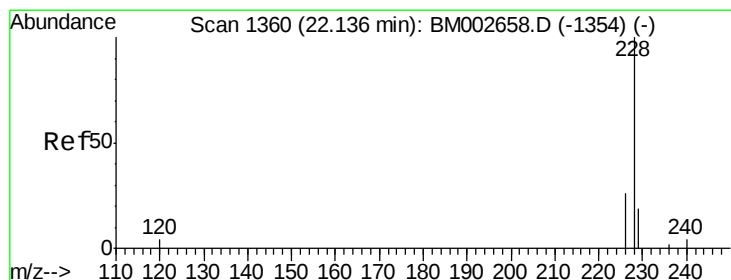
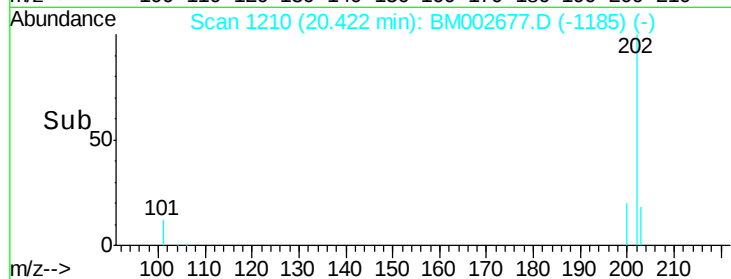
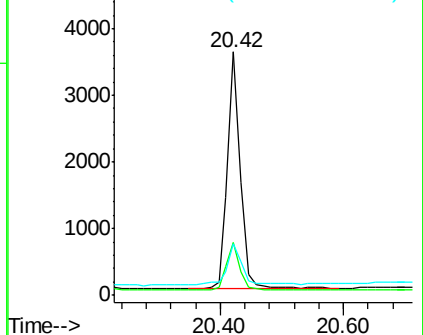
203 21.2 13.8 20.6#



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: 0.07 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

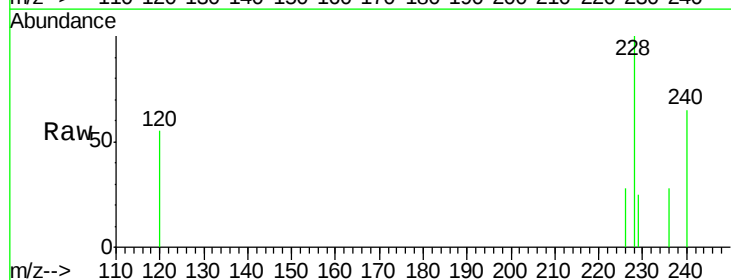
Tgt Ion:228 Resp: 4809

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

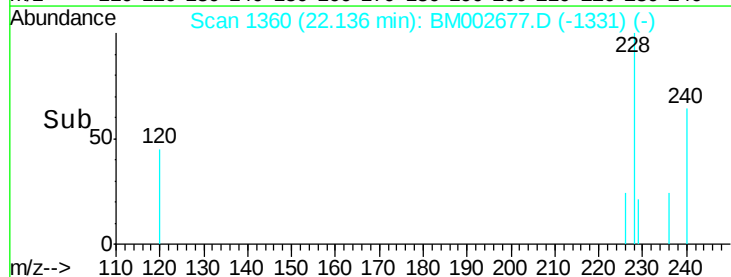
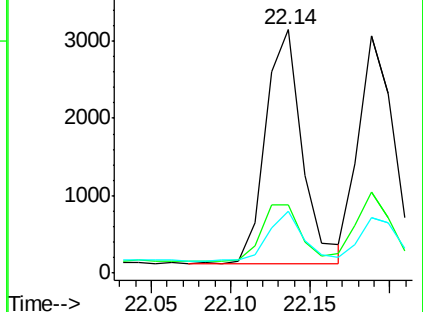
229 25.2 15.2 22.8#

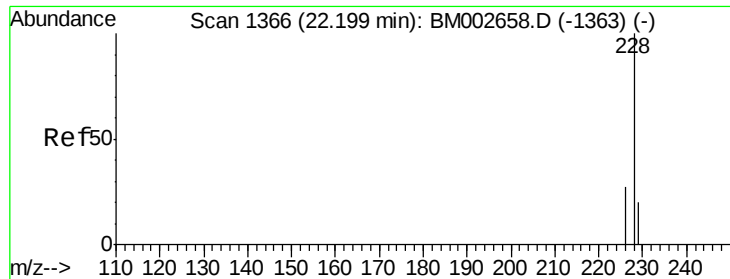


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.07 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

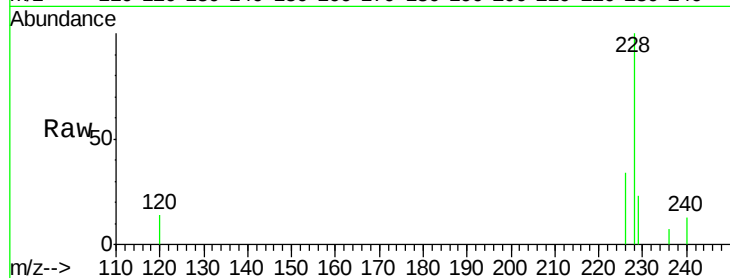
Tgt Ion:228 Resp: 4561

Ion Ratio Lower Upper

228 100

226 33.9 25.7 38.5

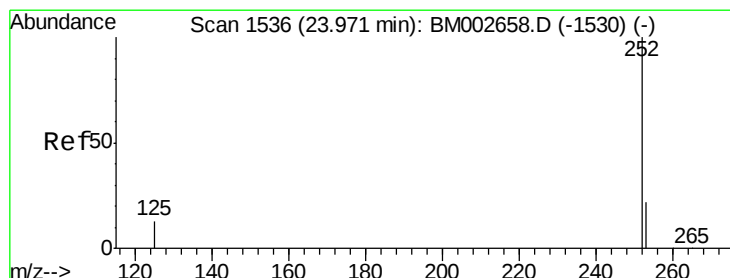
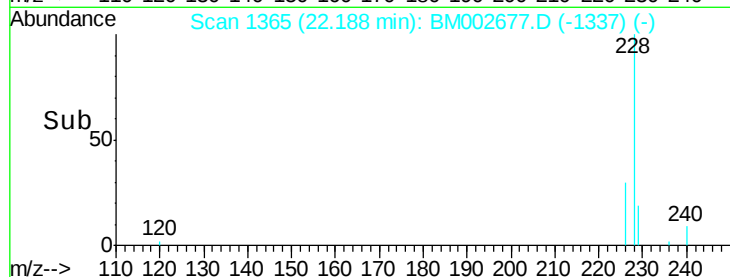
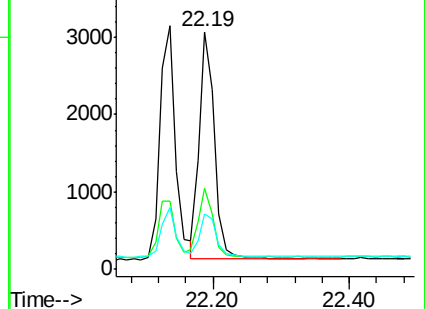
229 23.3 15.2 22.8#



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: 0.07 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

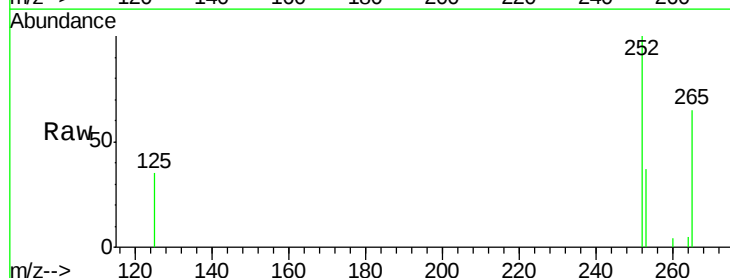
Tgt Ion:252 Resp: 5356

Ion Ratio Lower Upper

252 100

253 36.6 0.0 48.0

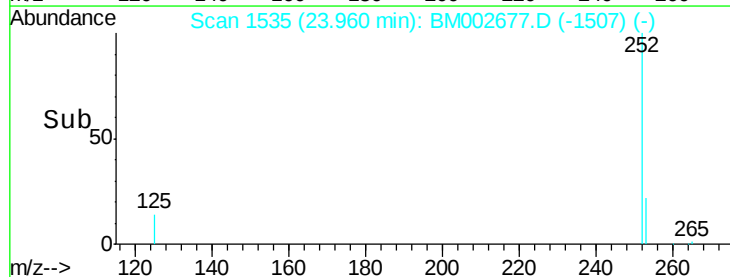
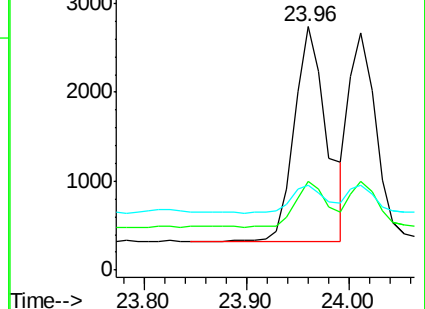
125 35.1 0.0 36.6

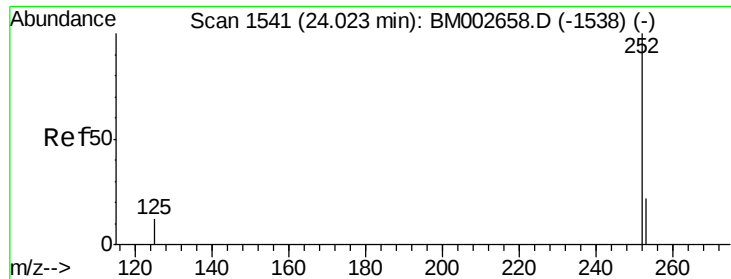


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.06 ng/u1

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

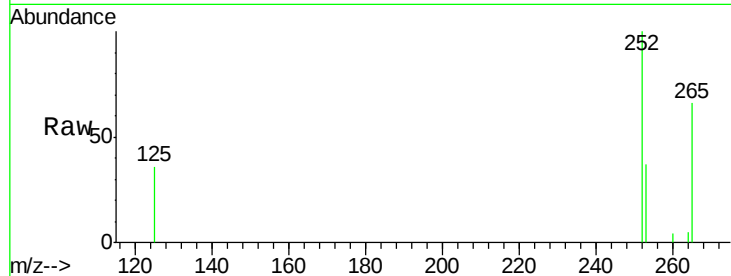
Tgt Ion:252 Resp: 4405

Ion Ratio Lower Upper

252 100

253 37.4 20.8 31.2#

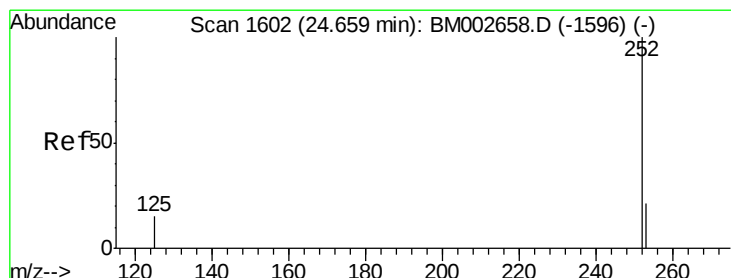
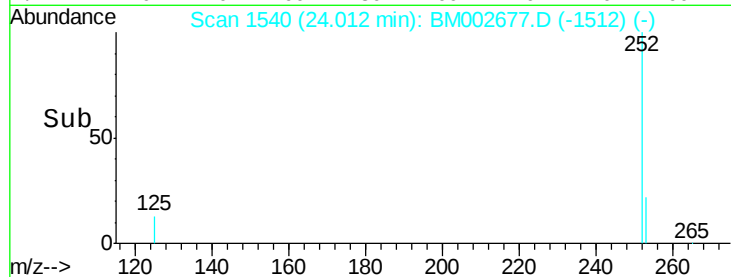
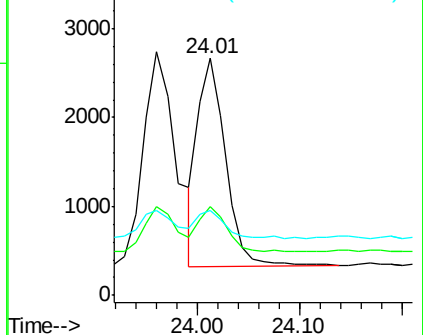
125 35.6 12.2 18.4#



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: 0.07 ng/u1

RT: 24.66 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

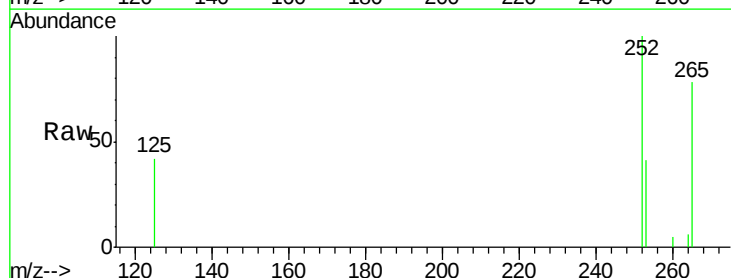
Tgt Ion:252 Resp: 4537

Ion Ratio Lower Upper

252 100

253 41.0 21.8 32.8#

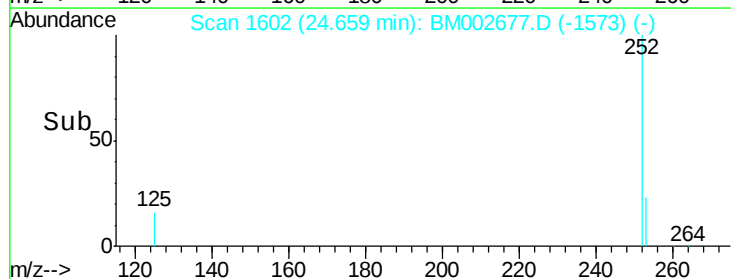
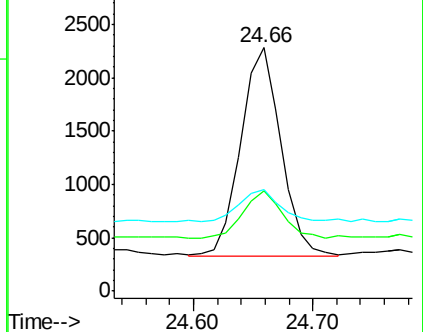
125 41.7 14.5 21.7#

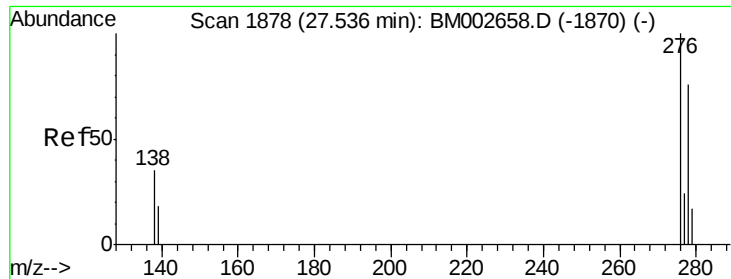


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.07 ng/ul

RT: 27.54 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

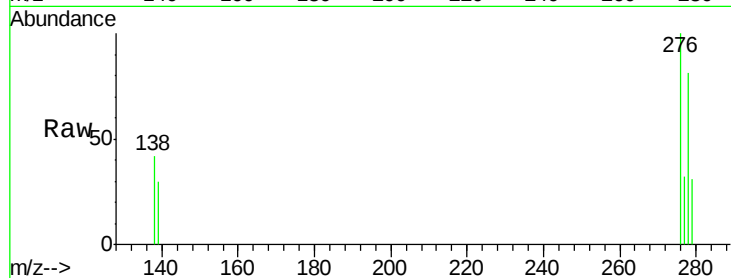
Tgt Ion:276 Resp: 5524

Ion Ratio Lower Upper

276 100

138 34.8 27.5 41.3

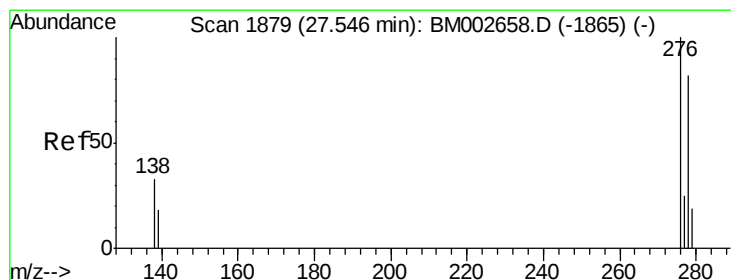
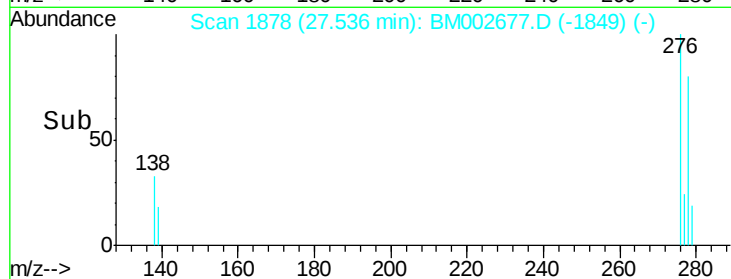
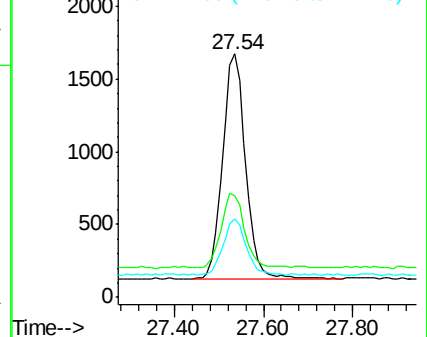
277 25.2 19.3 28.9



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: 0.06 ng/ul

RT: 27.54 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM002677.D

Acq: 04 Sep 2015 16:44

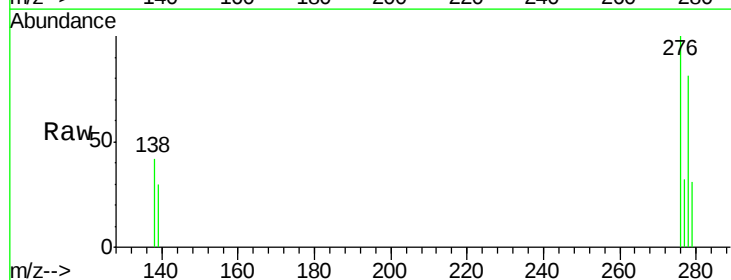
Tgt Ion:278 Resp: 4361

Ion Ratio Lower Upper

278 100

139 37.2 21.7 32.5#

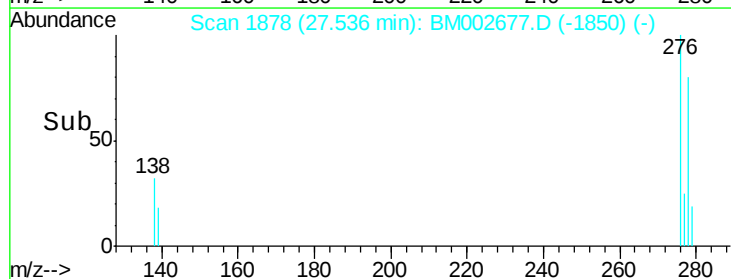
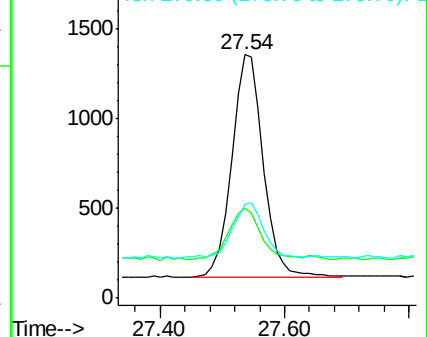
279 38.5 21.9 32.9#

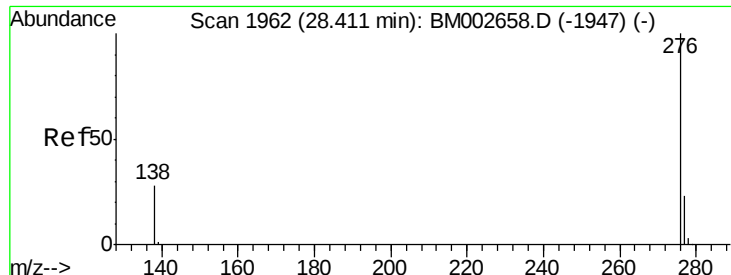


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.07 ng/ul

RT: 28.40 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BM002677.D

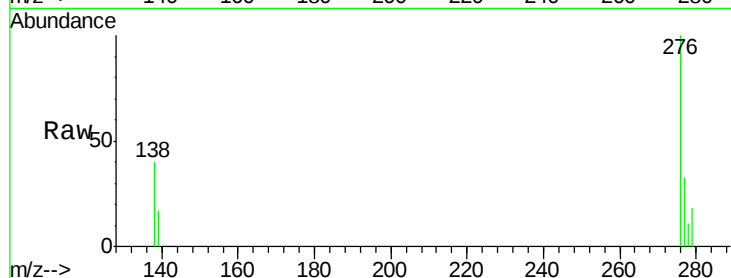
Acq: 04 Sep 2015 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-07-S



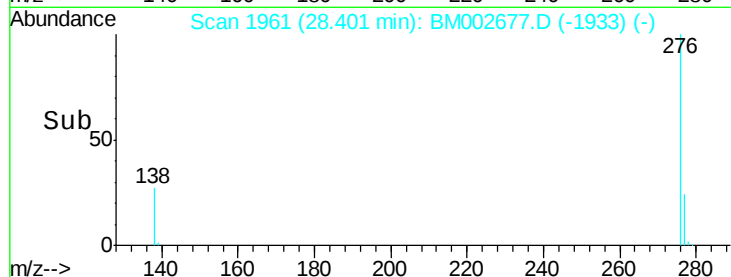
Tgt Ion: 276 Resp: 4789

Ion Ratio Lower Upper

276 100

277 32.7 21.3 31.9#

138 39.8 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

