

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090415\
 Data File : BM002674.D
 Acq On : 04 Sep 2015 14:54
 Operator : UM/IZ
 Sample : MDL-04-S
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

Quant Time: Sep 04 15:29:35 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	7541	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	27249	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11126	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	21203	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	20280	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	19686	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.79	96	29	0.00	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	13.17	152	15192	0.42	ng/ul	0.00
16) Fluoranthene-d10	20.04	212	24624	0.51	ng/ul	-0.01

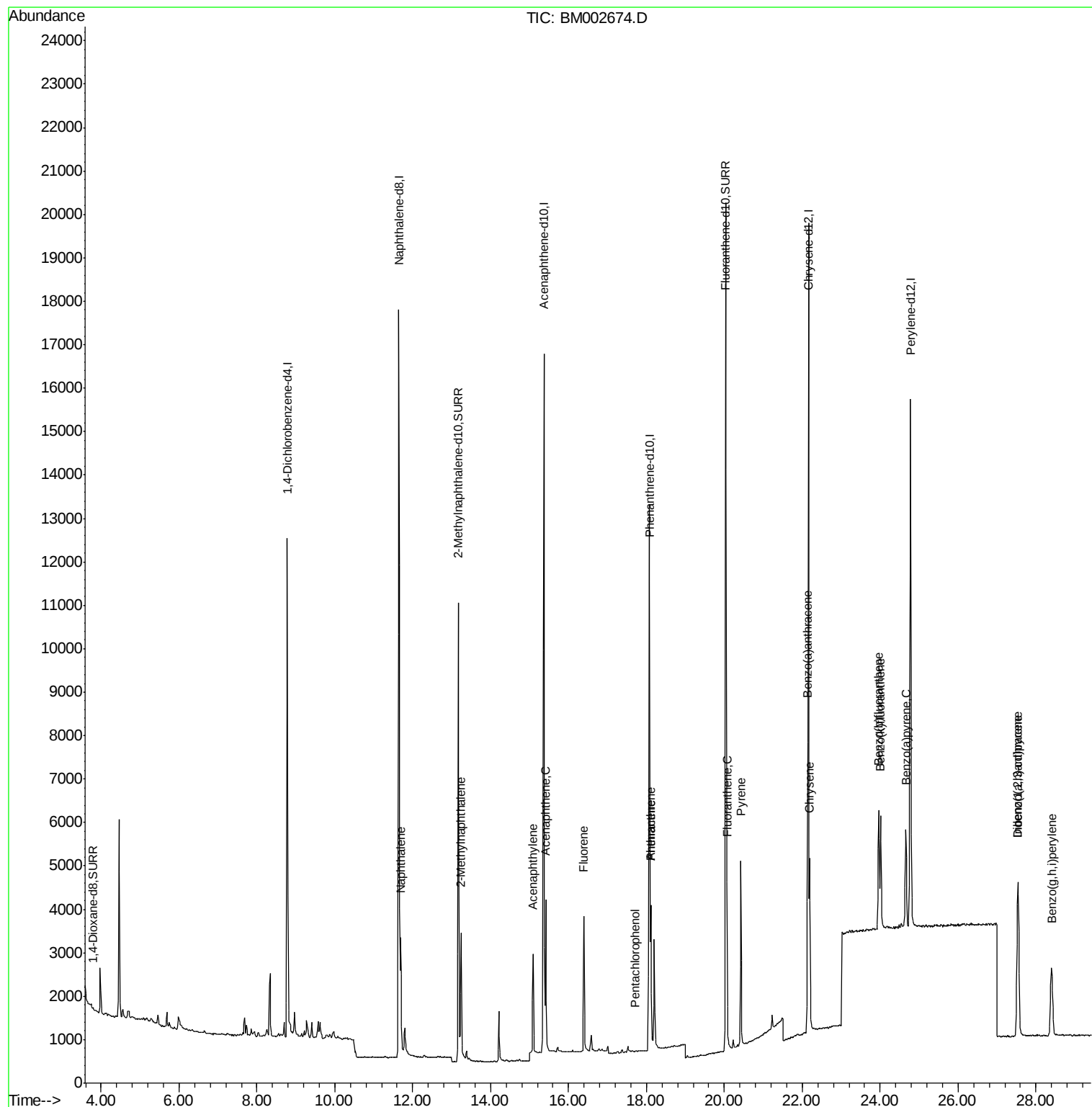
Target Compounds				Qvalue		
5) Naphthalene	11.69	128	3706	0.05	ng/ul#	94
7) 2-Methylnaphthalene	13.24	142	2800	0.06	ng/ul	93
9) Acenaphthylene	15.09	152	3192	0.05	ng/ul	97
10) Acenaphthene	15.42	153	2179	0.05	ng/ul	94
11) Fluorene	16.39	166	2358	0.05	ng/ul#	92
13) Pentachlorophenol	17.71	266	9	0.00	ng/ul#	16
14) Phenanthrene	18.11	178	3561	0.06	ng/ul#	95
15) Anthracene	18.11	178	3573	0.06	ng/ul	95
17) Fluoranthene	20.07	202	4109	0.06	ng/ul	89
19) Pyrene	20.42	202	4198	0.05	ng/ul#	95
20) Benzo(a)anthracene	22.14	228	3951	0.06	ng/ul#	94
21) Chrysene	22.19	228	3890	0.06	ng/ul#	91
23) Benzo(b)fluoranthene	23.96	252	4394	0.06	ng/ul#	61
24) Benzo(k)fluoranthene	24.01	252	3691	0.06	ng/ul#	61
25) Benzo(a)pyrene	24.66	252	3790	0.06	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	27.54	276	4422	0.06	ng/ul	96
27) Dibenzo(a,h)anthracene	27.54	278	3635	0.06	ng/ul#	74
28) Benzo(g,h,i)perylene	28.40	276	3887	0.06	ng/ul#	80

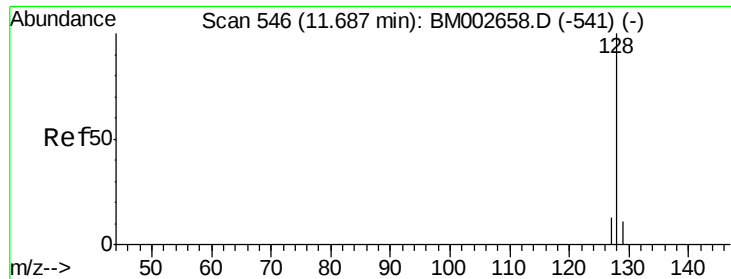
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 15:29:35 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
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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

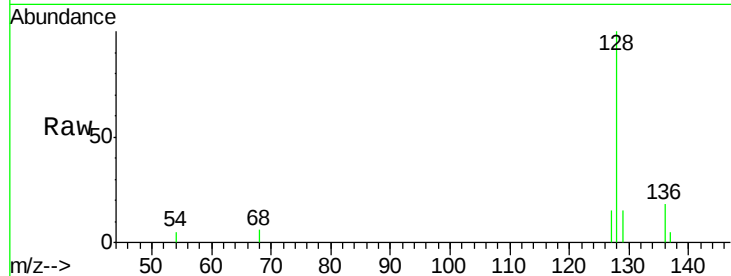
Tgt Ion:128 Resp: 3706

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

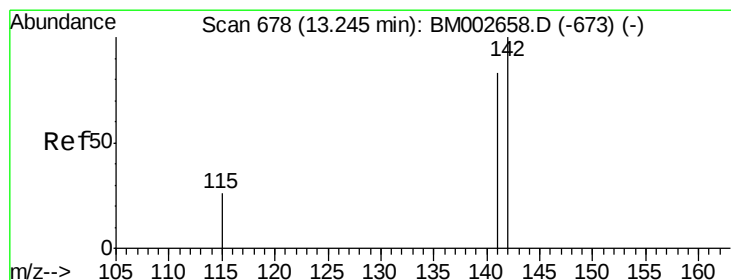
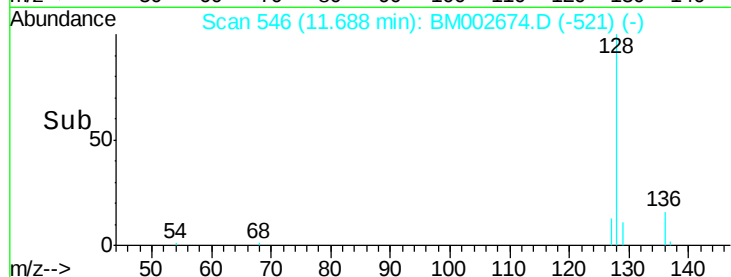
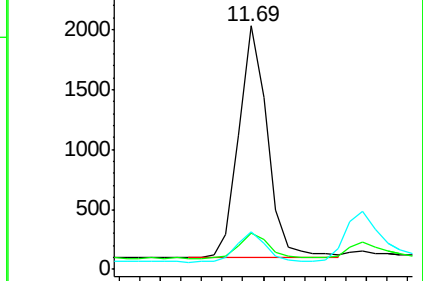
127 15.5 10.7 16.1



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

RT: 13.24 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002674.D

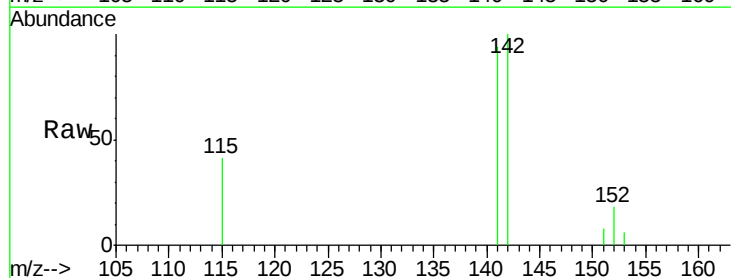
Acq: 04 Sep 2015 14:54

Tgt Ion:142 Resp: 2800

Ion Ratio Lower Upper

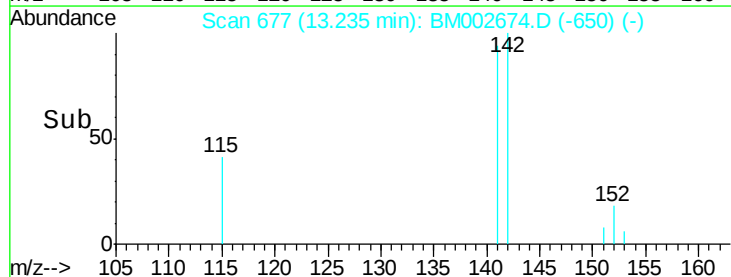
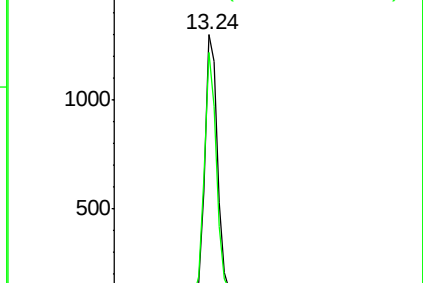
142 100

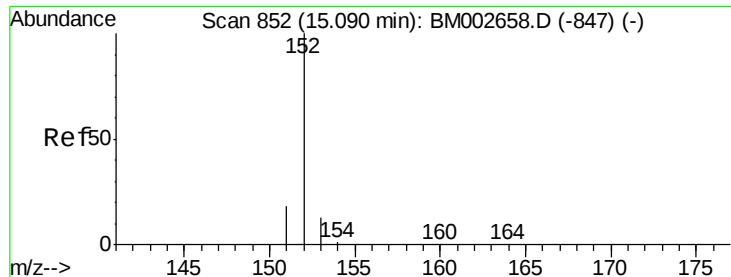
141 94.8 70.3 105.5



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: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

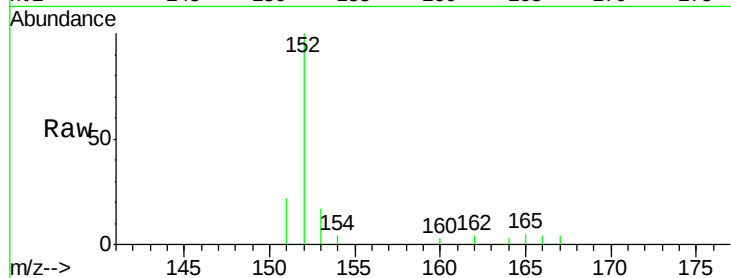
Tgt Ion:152 Resp: 3192

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

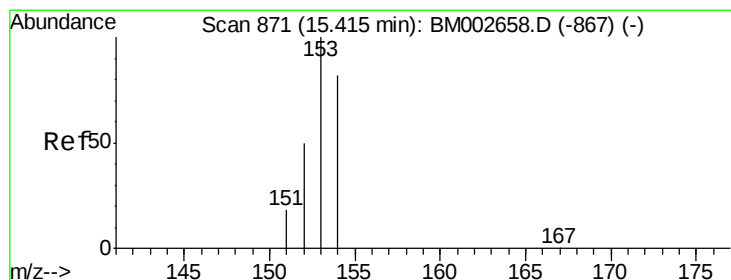
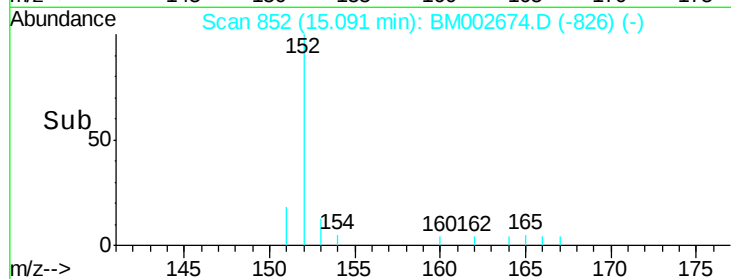
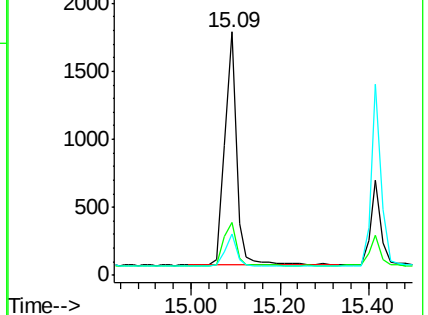
153 16.8 11.3 16.9



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: BM002674.D

Acq: 04 Sep 2015 14:54

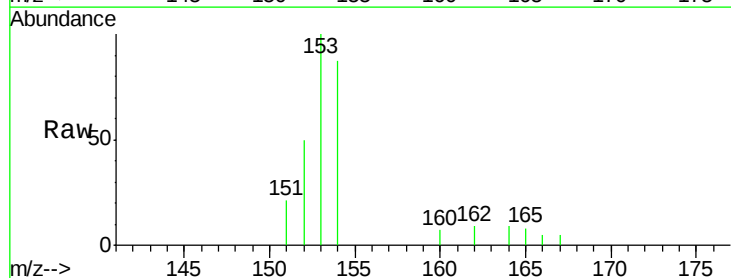
Tgt Ion:153 Resp: 2179

Ion Ratio Lower Upper

153 100

152 49.9 42.3 63.5

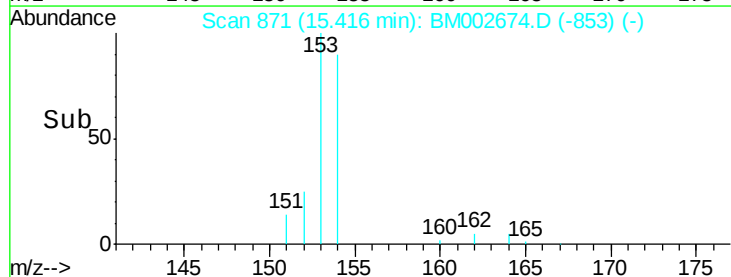
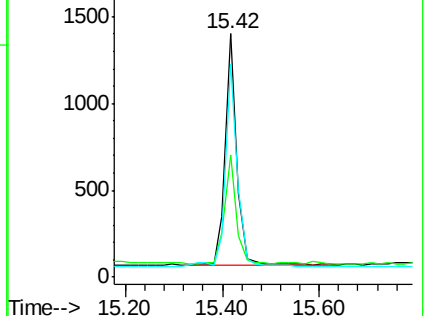
154 87.2 64.7 97.1

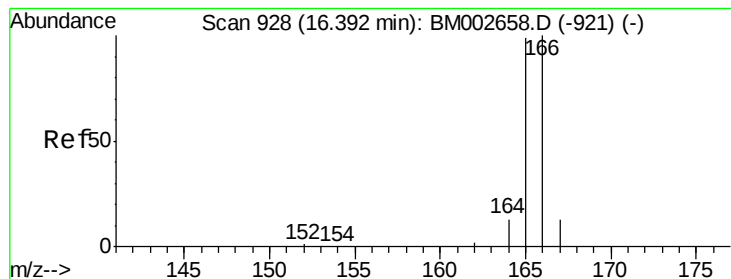


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

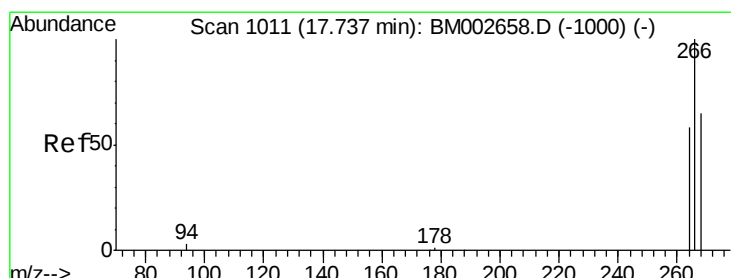
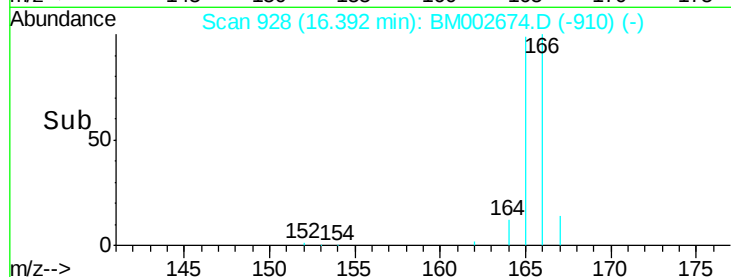
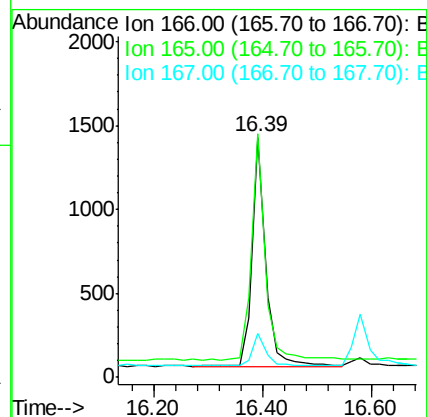
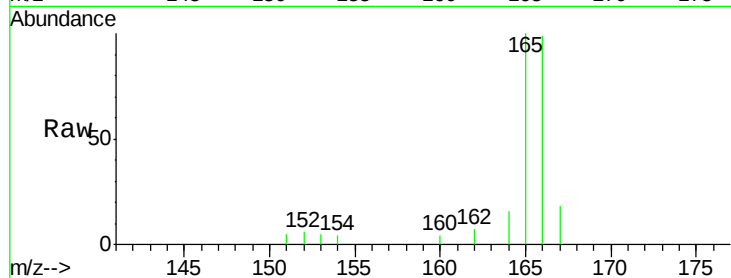
Tgt Ion:166 Resp: 2358

Ion Ratio Lower Upper

166 100

165 101.4 87.6 131.4

167 18.2 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.71 min Scan# 1009

Delta R.T. -0.03 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

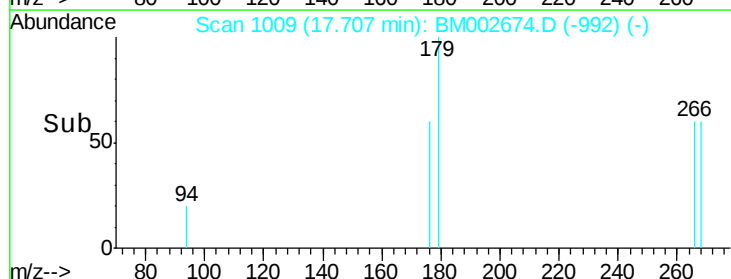
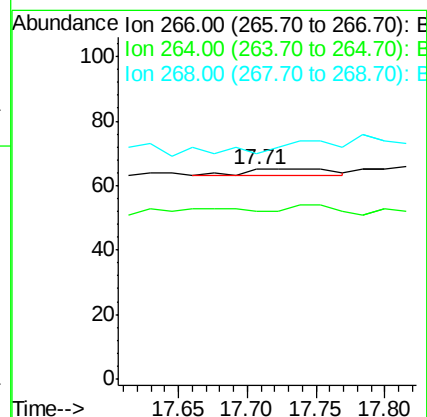
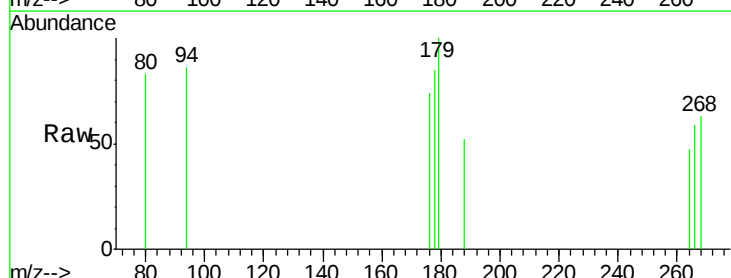
Tgt Ion:266 Resp: 9

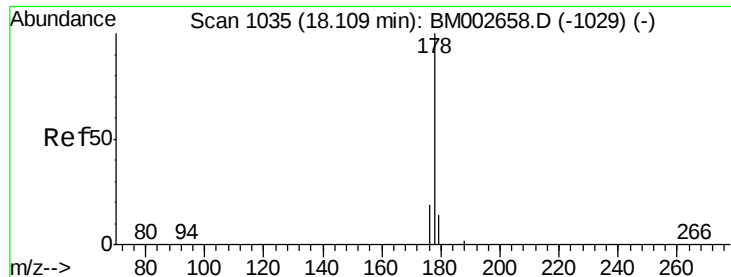
Ion Ratio Lower Upper

266 100

264 0.0 53.5 80.3#

268 0.0 54.2 81.2#





#14

Phenanthrene

Concen: 0.06 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

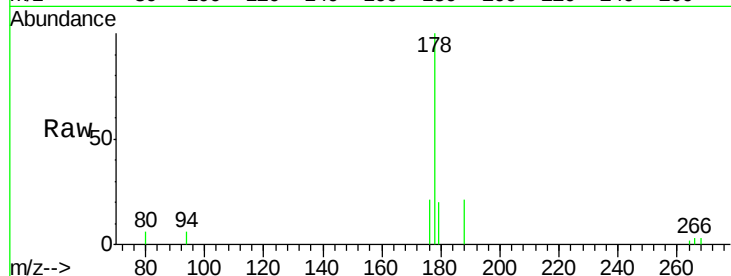
Tgt Ion:178 Resp: 3561

Ion Ratio Lower Upper

178 100

176 21.3 16.2 24.4

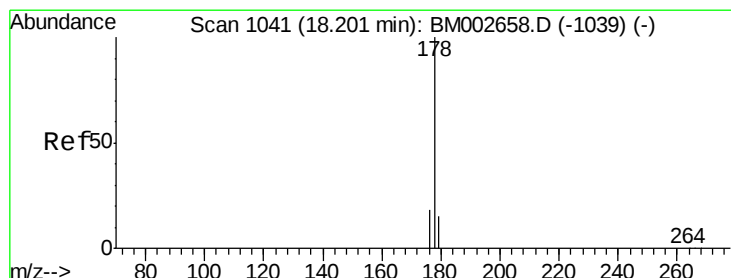
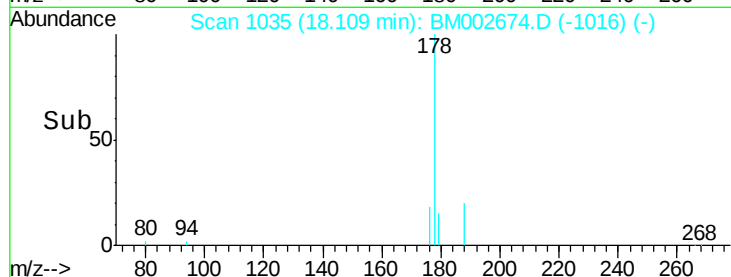
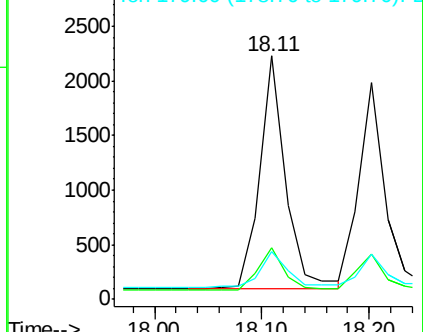
179 19.7 12.8 19.2#



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



#15

Anthracene

Concen: 0.06 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. -0.09 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

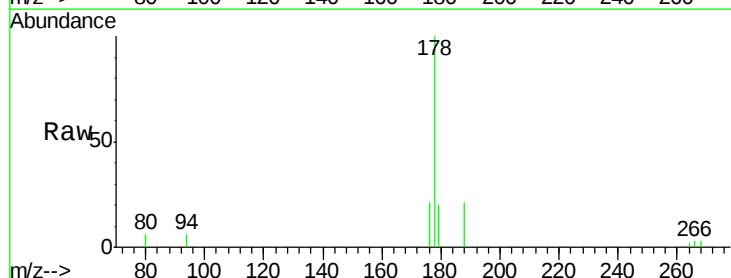
Tgt Ion:178 Resp: 3573

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

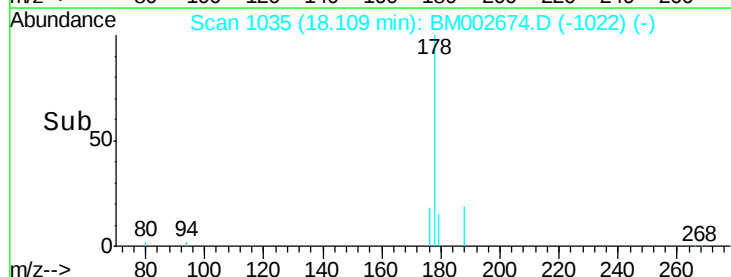
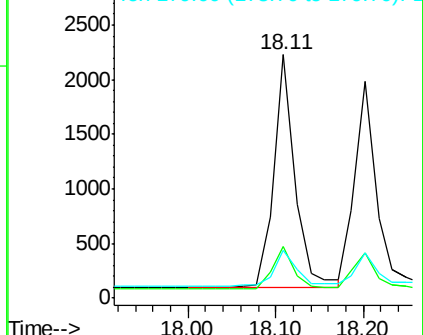
179 19.7 13.3 19.9

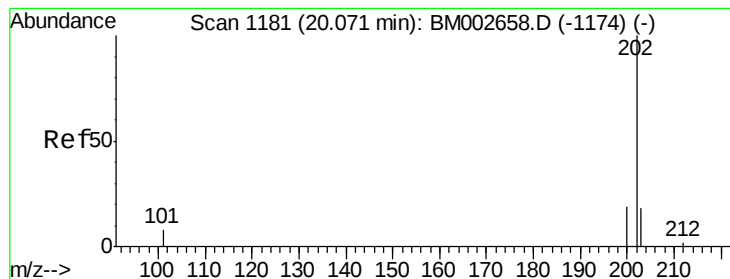


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.06 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

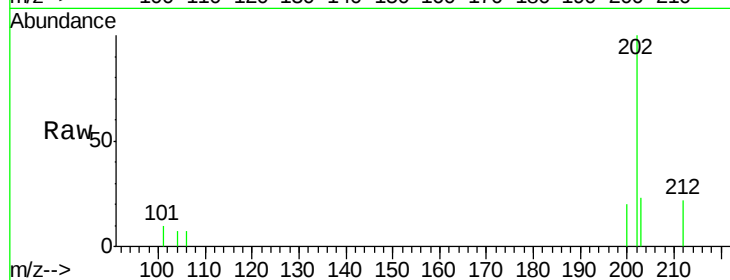
Tgt Ion:202 Resp: 4109

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.1

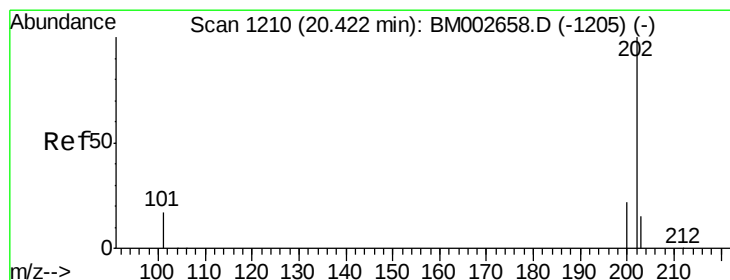
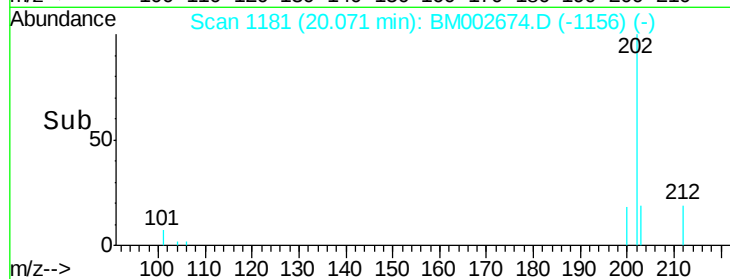
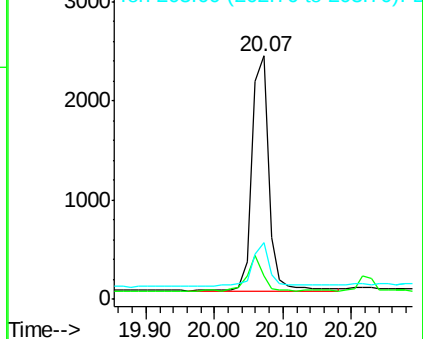
203 23.1 0.0 37.2



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: 0.05 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

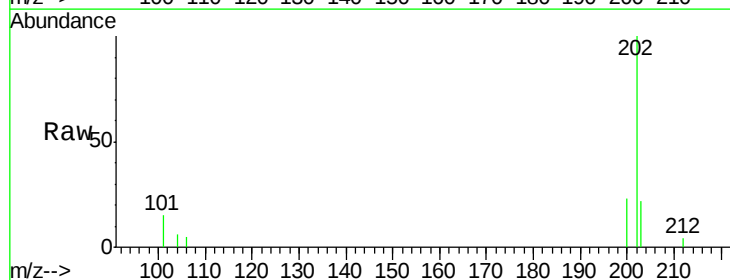
Tgt Ion:202 Resp: 4198

Ion Ratio Lower Upper

202 100

200 22.8 18.0 27.0

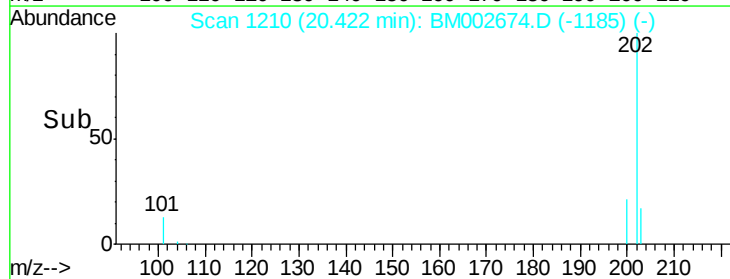
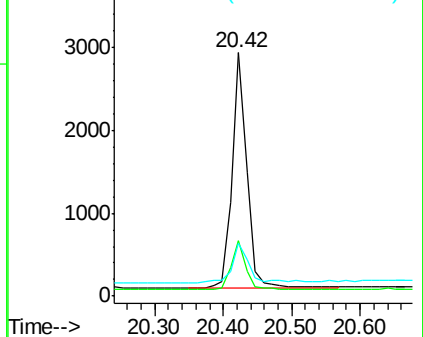
203 21.6 13.8 20.6#

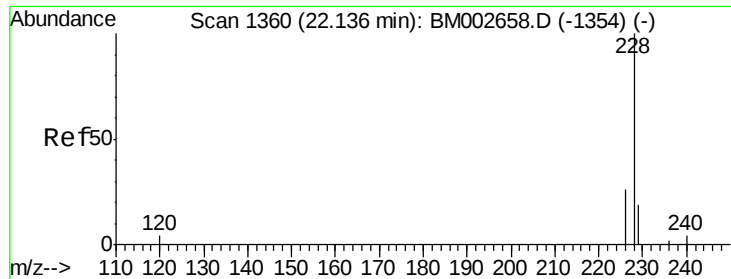


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

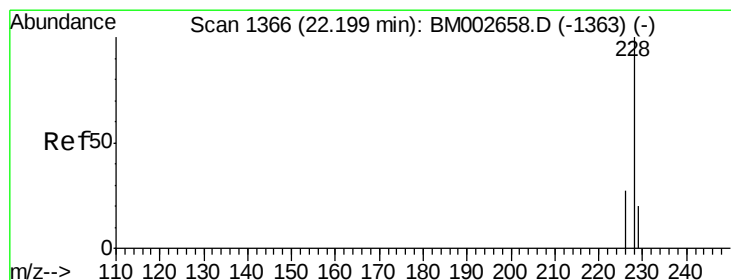
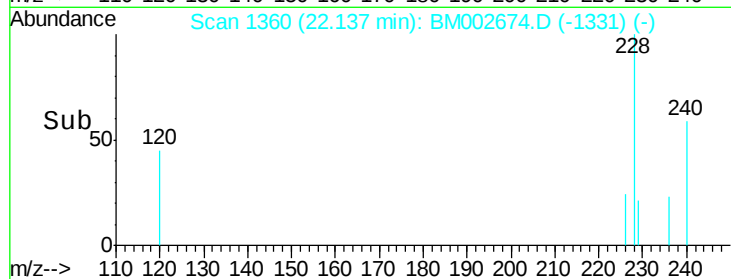
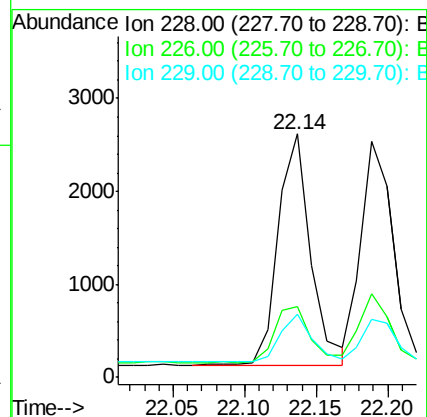
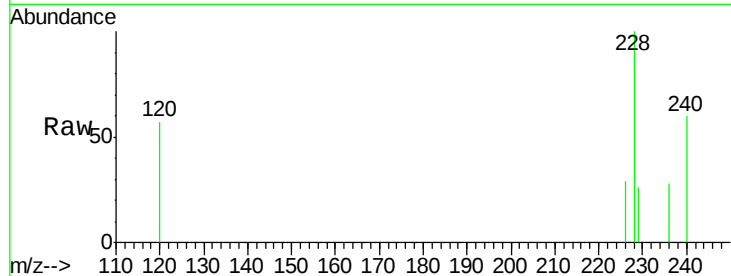
Tgt Ion:228 Resp: 3951

Ion Ratio Lower Upper

228 100

226 28.9 23.0 34.4

229 26.0 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: BM002674.D

Acq: 04 Sep 2015 14:54

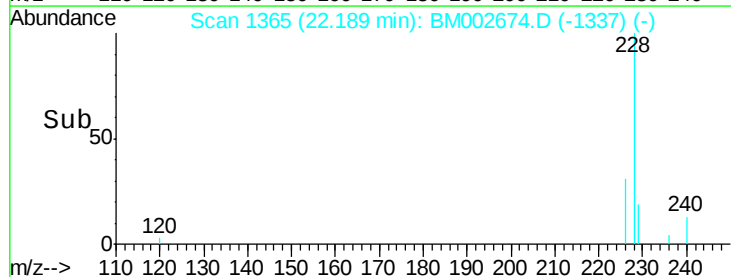
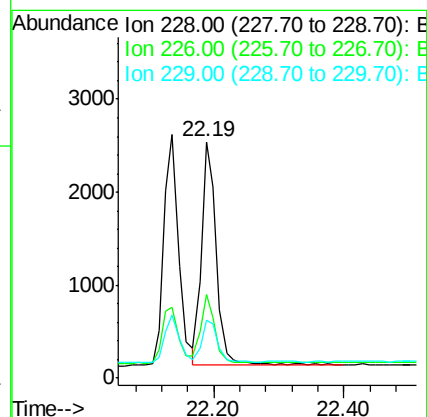
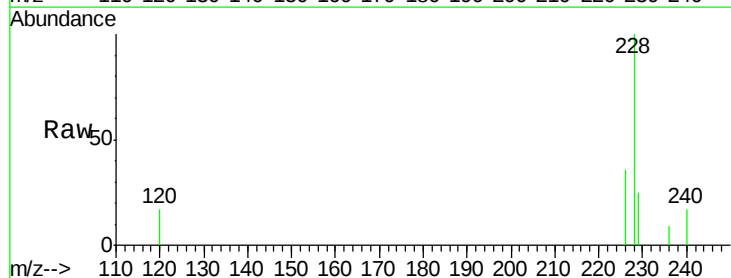
Tgt Ion:228 Resp: 3890

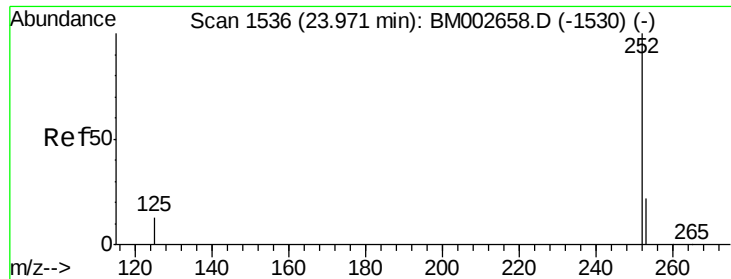
Ion Ratio Lower Upper

228 100

226 35.5 25.7 38.5

229 24.7 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.06 ng/u1

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

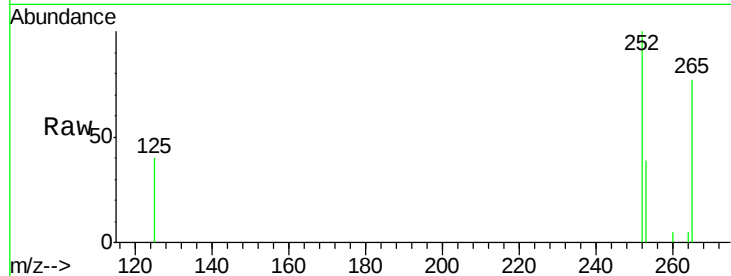
Tgt Ion:252 Resp: 4394

Ion Ratio Lower Upper

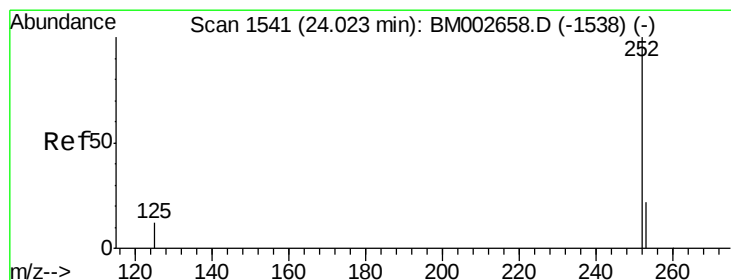
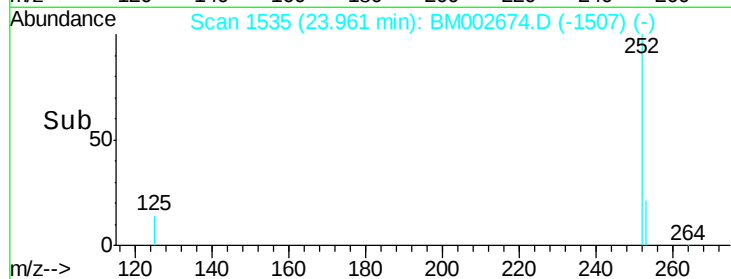
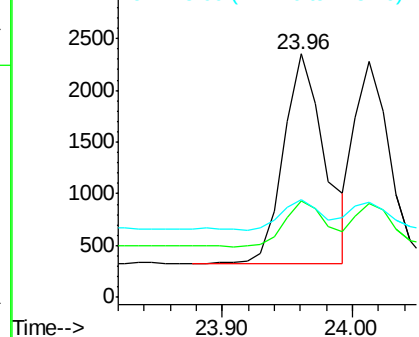
252 100

253 39.4 0.0 48.0

125 40.2 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: 0.06 ng/u1

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

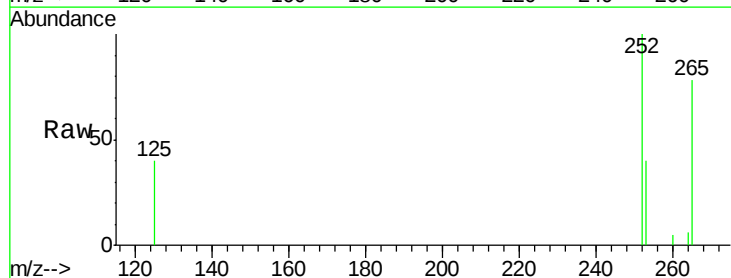
Tgt Ion:252 Resp: 3691

Ion Ratio Lower Upper

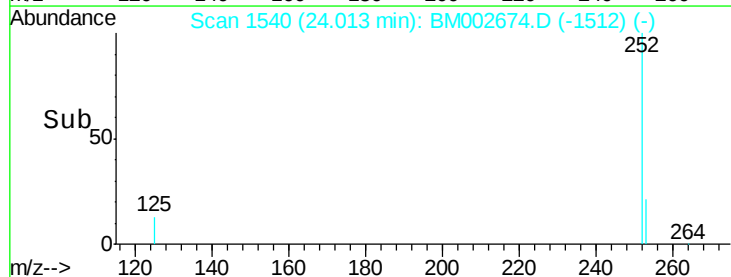
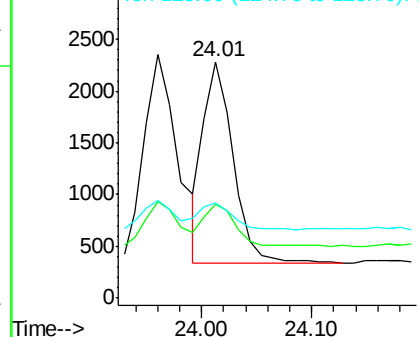
252 100

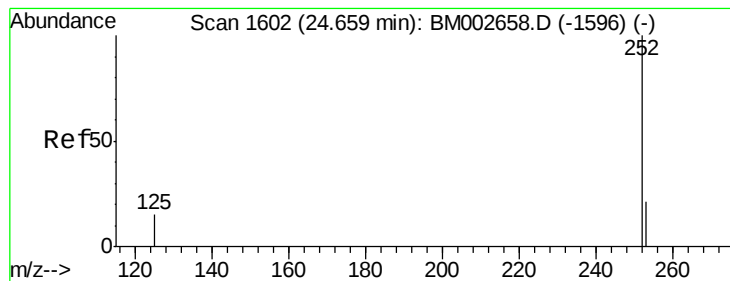
253 39.6 20.8 31.2#

125 40.5 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





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002674.D

Acq: 04 Sep 2015 14:54

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

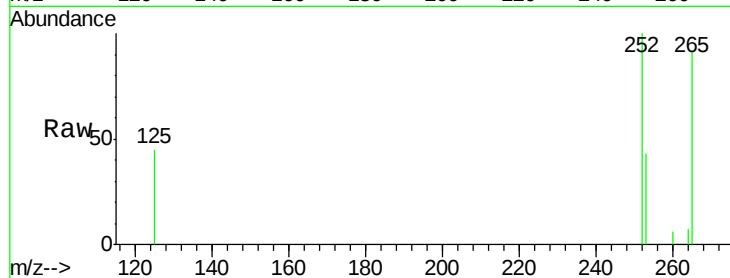
Tgt Ion:252 Resp: 3790

Ion Ratio Lower Upper

252 100

253 42.8 21.8 32.8#

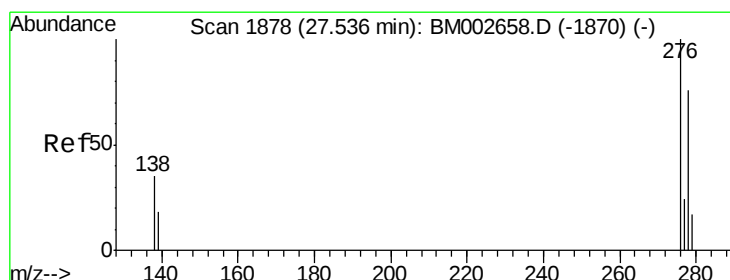
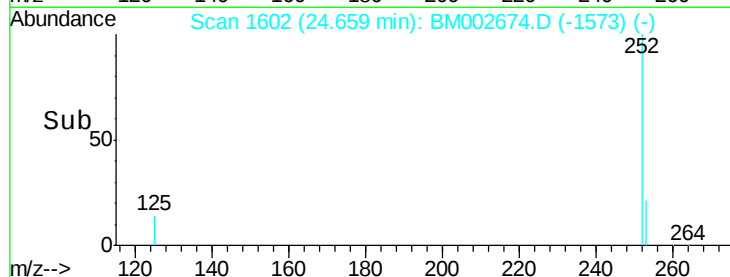
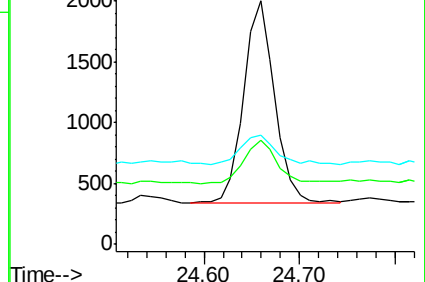
125 45.1 14.5 21.7#



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: BM002674.D

Acq: 04 Sep 2015 14:54

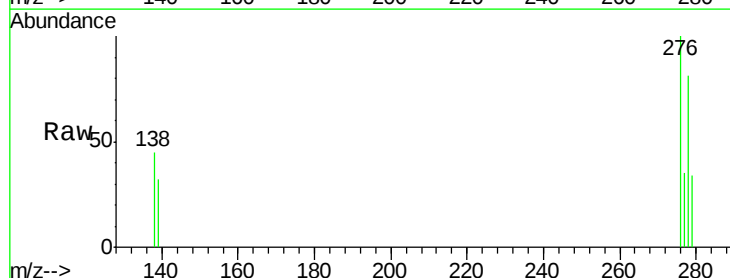
Tgt Ion:276 Resp: 4422

Ion Ratio Lower Upper

276 100

138 36.0 27.5 41.3

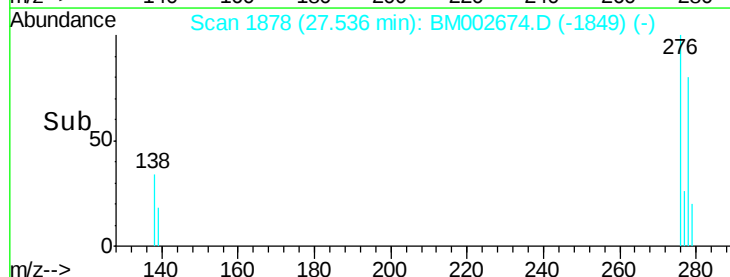
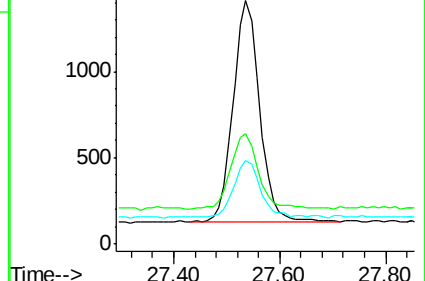
277 26.5 19.3 28.9

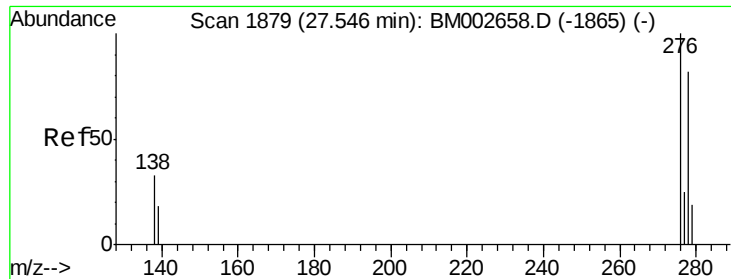


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

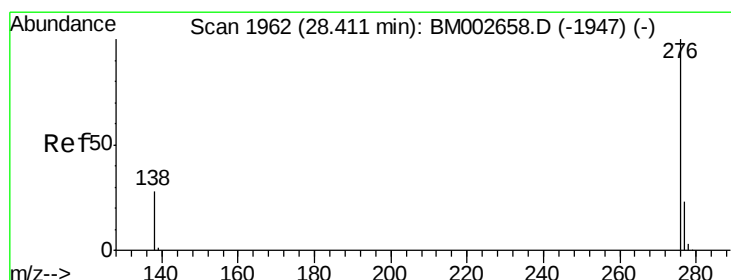
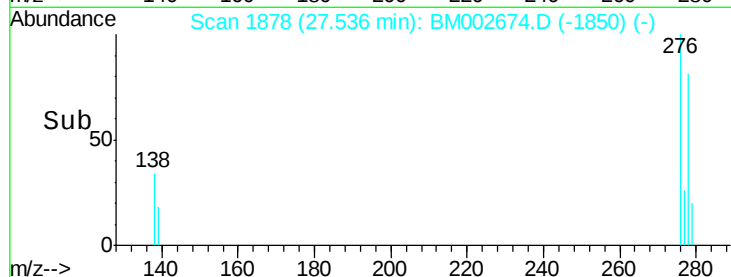
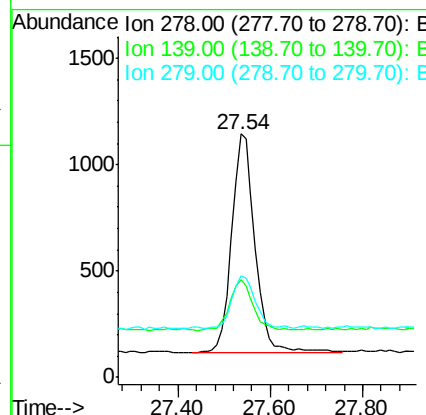
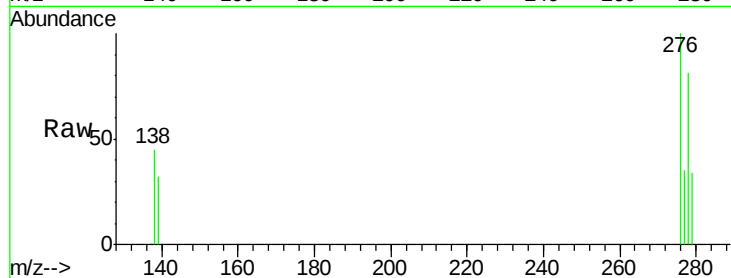




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.54 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BM002674.D
Acq: 04 Sep 2015 14:54

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Tgt Ion: 278 Resp: 3635
Ion Ratio Lower Upper
278 100
139 40.0 21.7 32.5#
279 41.7 21.9 32.9#



#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: BM002674.D
Acq: 04 Sep 2015 14:54

Tgt Ion: 276 Resp: 3887
Ion Ratio Lower Upper
276 100
277 34.7 21.3 31.9#
138 44.6 25.5 38.3#

