

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090415\
 Data File : BM002675.D
 Acq On : 04 Sep 2015 15:30
 Operator : UM/IZ
 Sample : MDL-05-S
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Sep 04 16:12:45 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	7650	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	27826	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11288	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	21254	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	20211	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	19804	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	14773	0.40	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	23328	0.48	ng/ul	-0.01

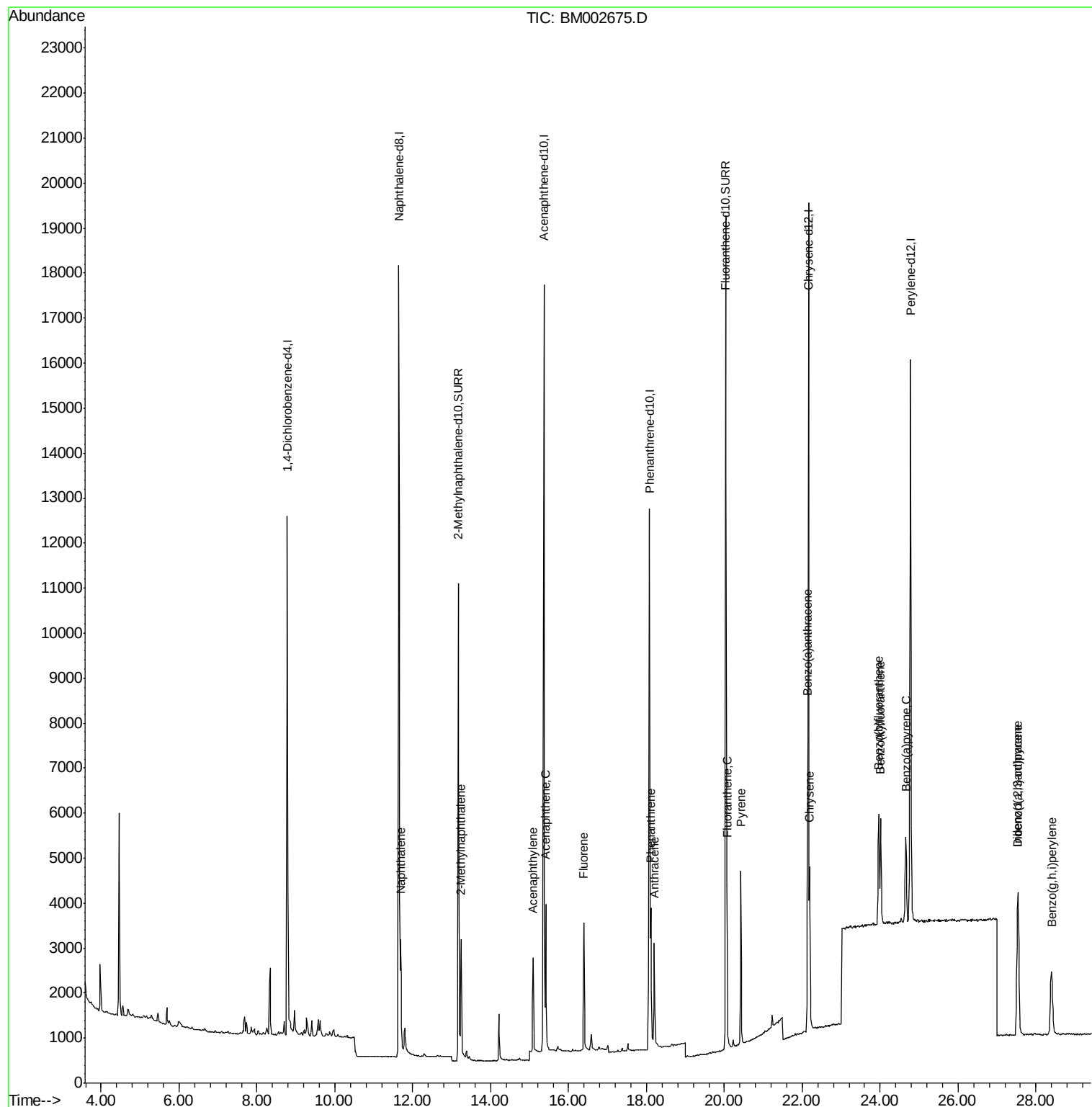
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.69	128	3443	0.05	ng/ul#	94
7) 2-Methylnaphthalene	13.24	142	2097m	0.04	ng/ul	
9) Acenaphthylene	15.09	152	2854	0.05	ng/ul#	96
10) Acenaphthene	15.42	153	1962	0.05	ng/ul	97
11) Fluorene	16.39	166	2144	0.05	ng/ul#	91
14) Phenanthrene	18.11	178	3238	0.05	ng/ul#	94
15) Anthracene	18.20	178	3014m	0.05	ng/ul	
17) Fluoranthene	20.07	202	3646	0.05	ng/ul	89
19) Pyrene	20.42	202	3728	0.05	ng/ul#	94
20) Benzo(a)anthracene	22.14	228	3501	0.05	ng/ul#	93
21) Chrysene	22.19	228	3482	0.05	ng/ul#	92
23) Benzo(b)fluoranthene	23.96	252	4026	0.06	ng/ul#	55
24) Benzo(k)fluoranthene	24.01	252	3336	0.05	ng/ul#	57
25) Benzo(a)pyrene	24.66	252	3375	0.05	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	27.54	276	4009	0.05	ng/ul	96
27) Dibenzo(a,h)anthracene	27.54	278	3247	0.05	ng/ul#	72
28) Benzo(g,h,i)perylene	28.40	276	3483	0.05	ng/ul#	78

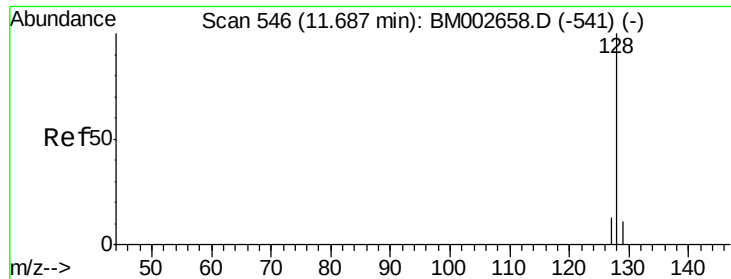
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 16:12:45 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: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

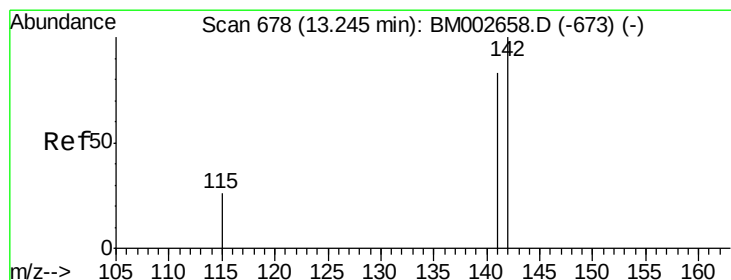
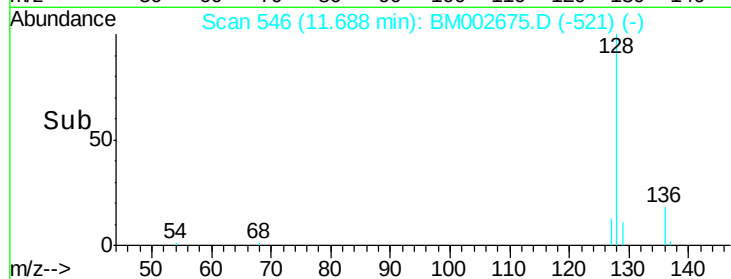
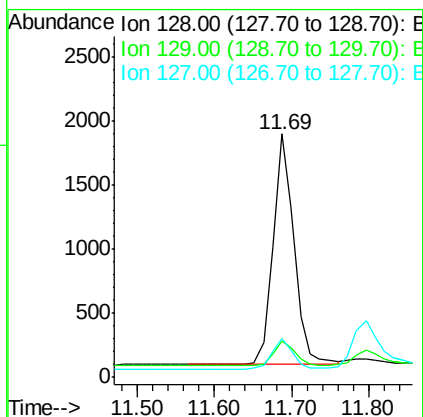
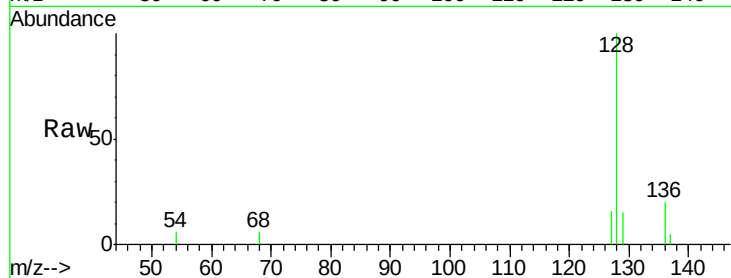
Tgt Ion:128 Resp: 3443

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

127 15.8 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.04 ng/ul m

RT: 13.24 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002675.D

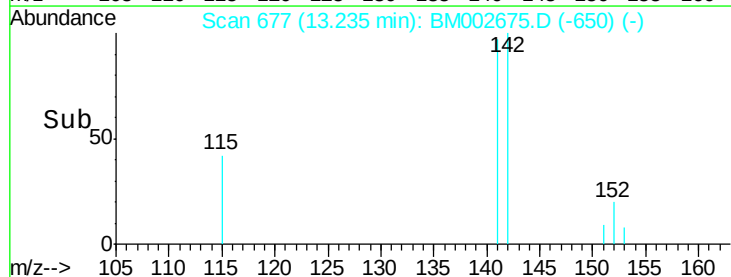
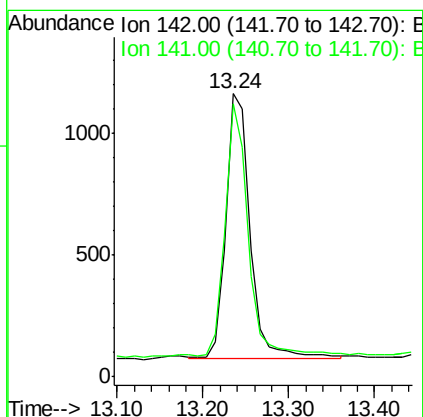
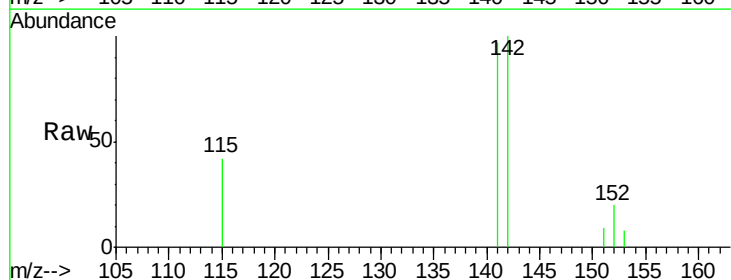
Acq: 04 Sep 2015 15:30

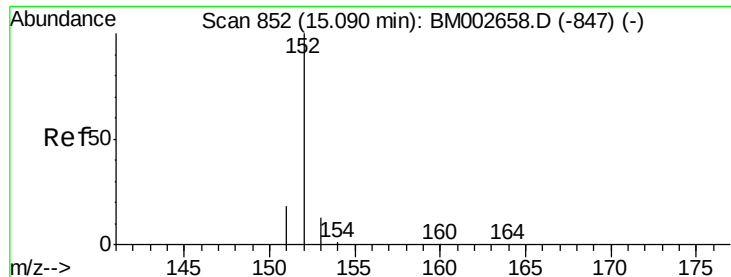
Tgt Ion:142 Resp: 2097

Ion Ratio Lower Upper

142 100

141 118.9 70.3 105.5#





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

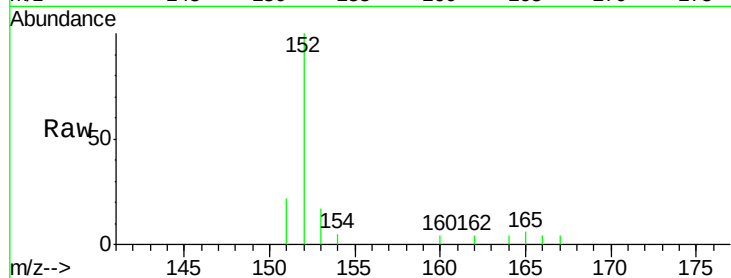
Tgt Ion:152 Resp: 2854

Ion Ratio Lower Upper

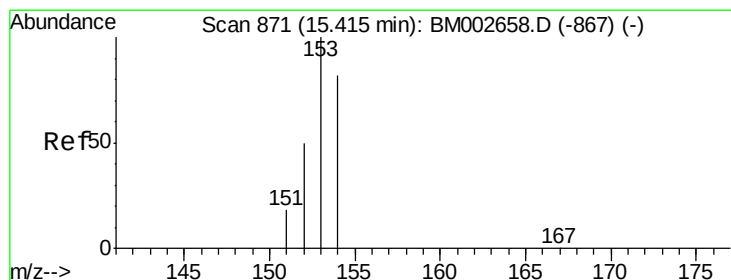
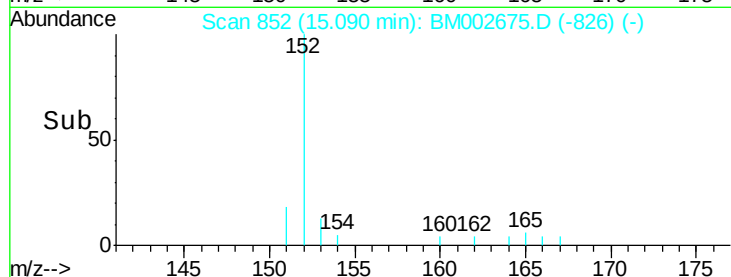
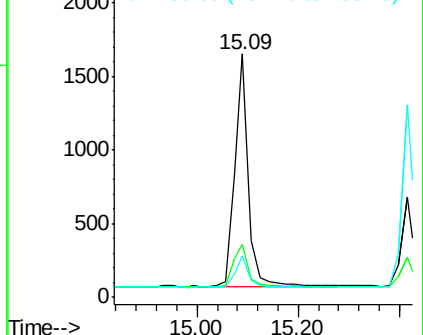
152 100

151 21.5 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: BM002675.D

Acq: 04 Sep 2015 15:30

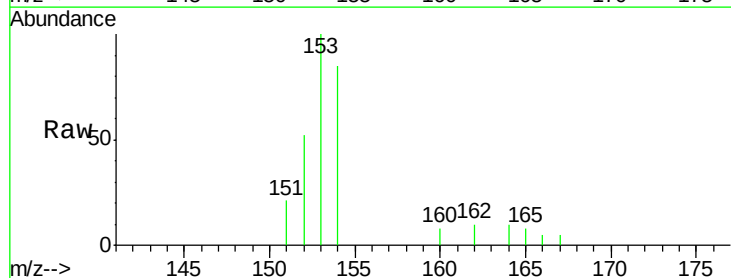
Tgt Ion:153 Resp: 1962

Ion Ratio Lower Upper

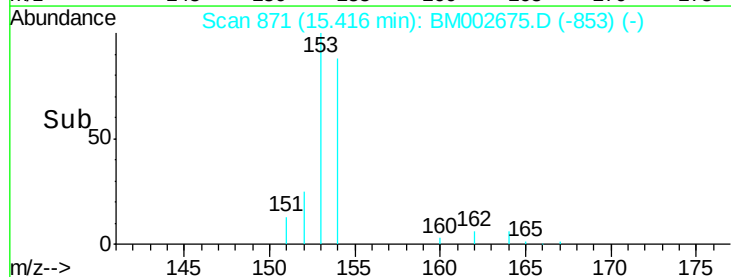
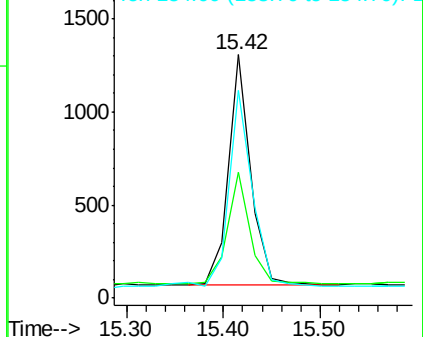
153 100

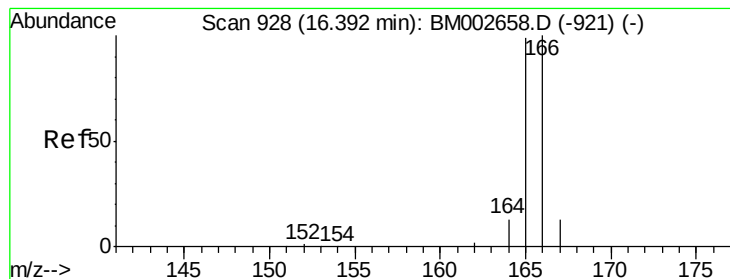
152 51.8 42.3 63.5

154 85.1 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: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

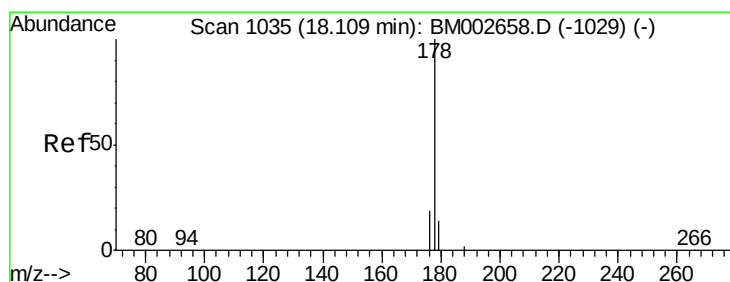
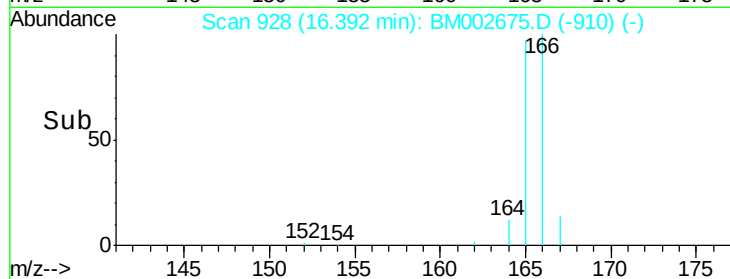
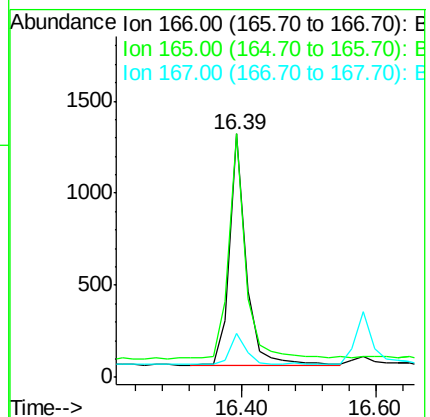
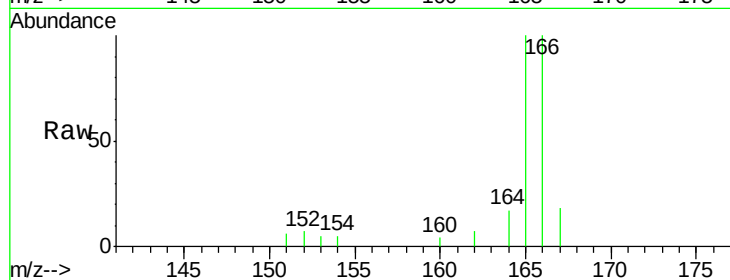
Tgt Ion:166 Resp: 2144

Ion Ratio Lower Upper

166 100

165 99.8 87.6 131.4

167 18.2 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: BM002675.D

Acq: 04 Sep 2015 15:30

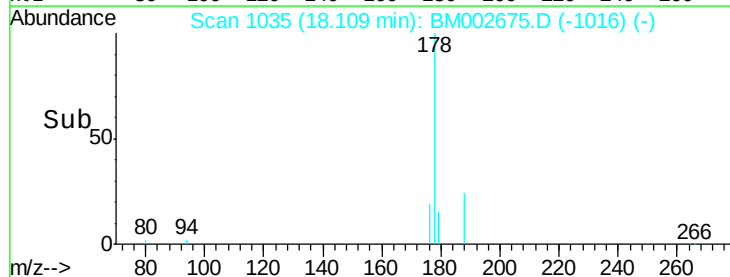
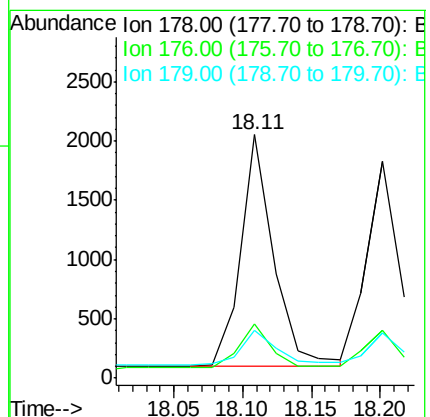
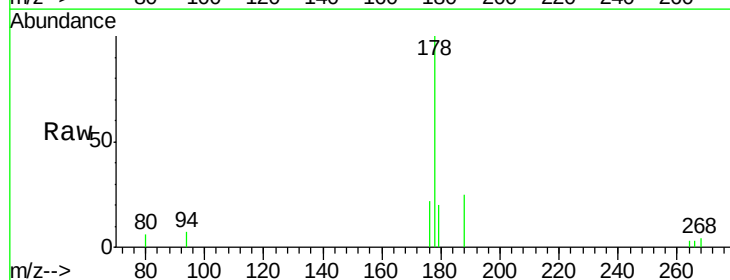
Tgt Ion:178 Resp: 3238

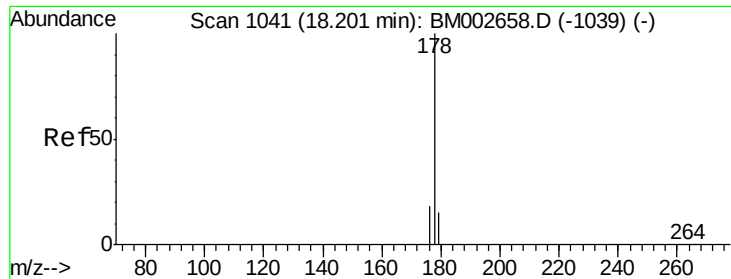
Ion Ratio Lower Upper

178 100

176 22.1 16.2 24.4

179 19.6 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: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

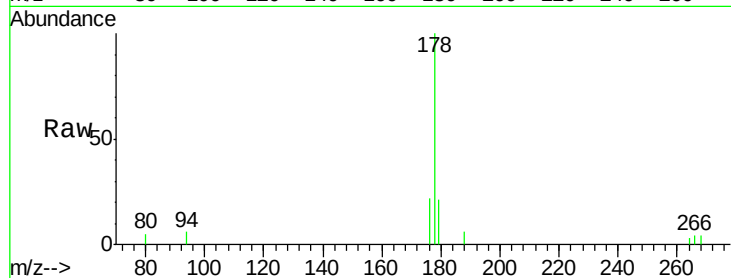
Tgt Ion:178 Resp: 3014

Ion Ratio Lower Upper

178 100

176 21.9 15.8 23.8

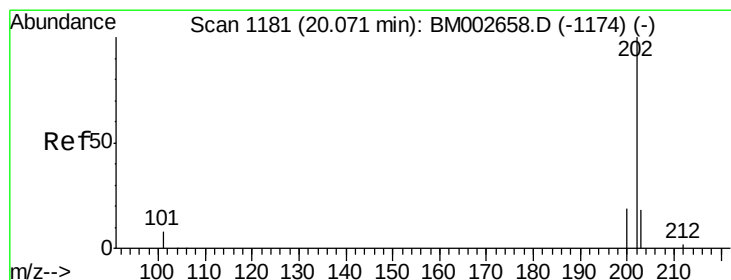
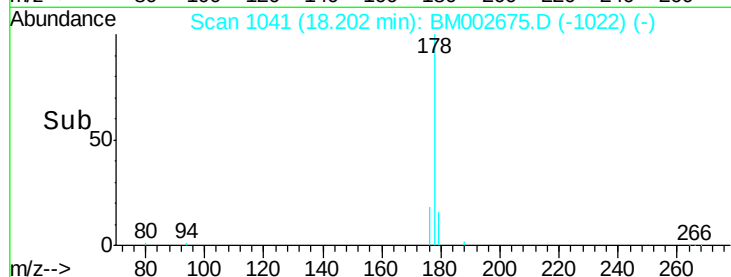
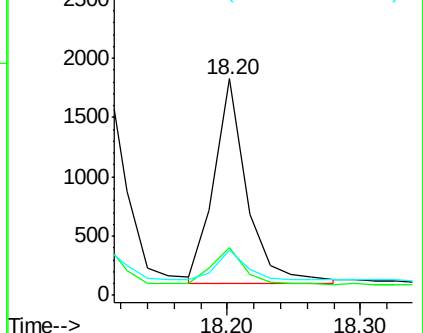
179 20.8 13.3 19.9#



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: 0.05 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

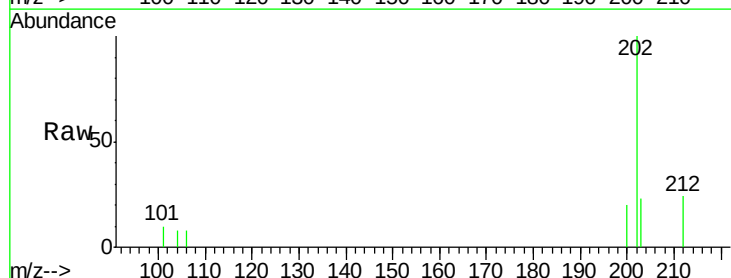
Tgt Ion:202 Resp: 3646

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.1

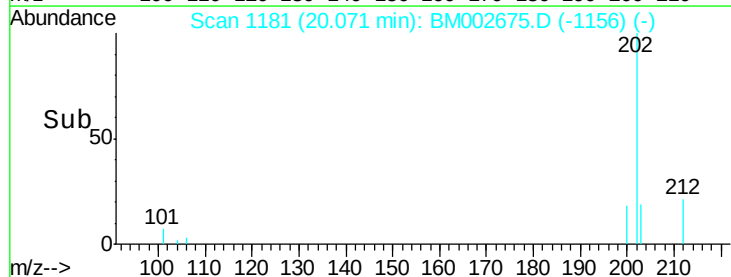
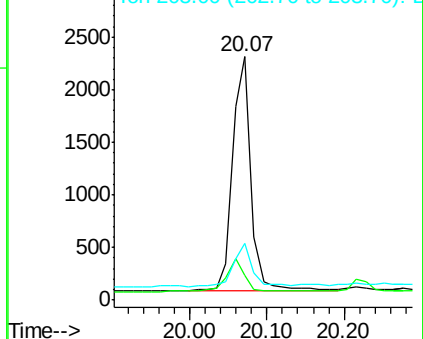
203 23.3 0.0 37.2

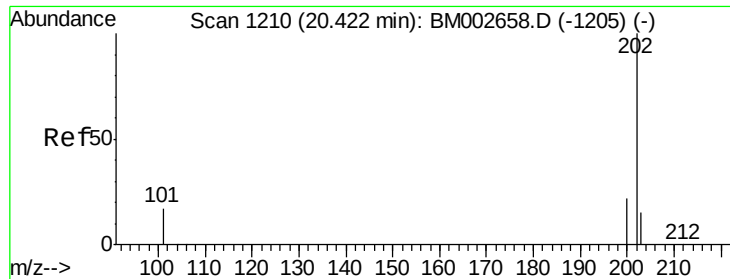


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

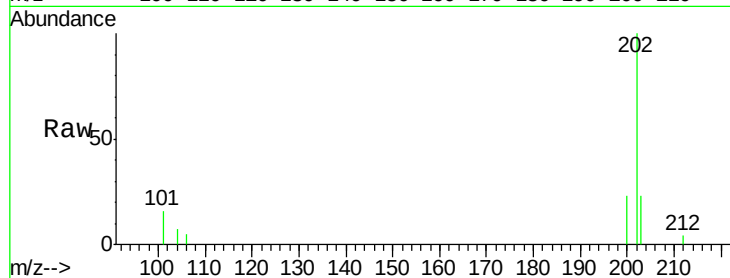
Tgt Ion:202 Resp: 3728

Ion Ratio Lower Upper

202 100

200 23.2 18.0 27.0

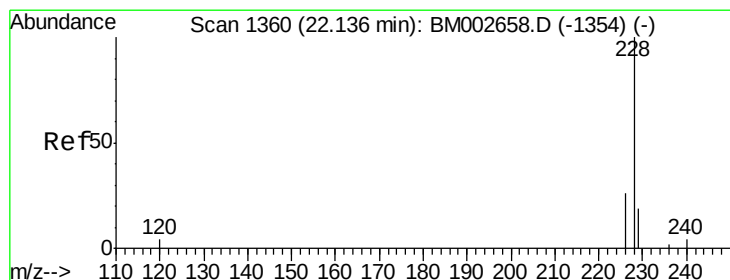
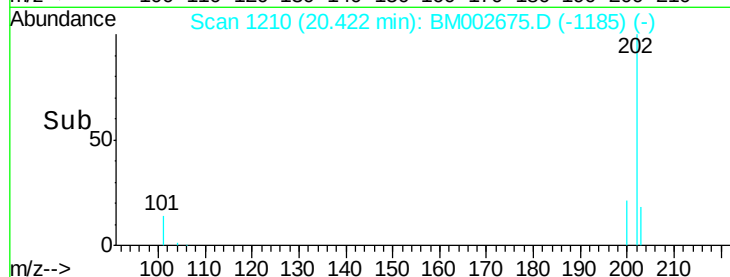
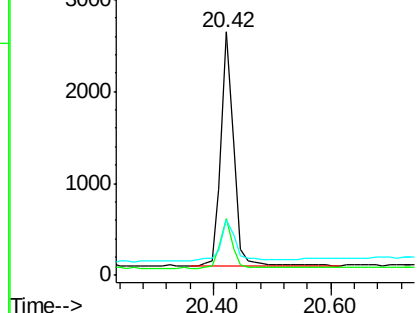
203 22.7 13.8 20.6#



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: 0.05 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

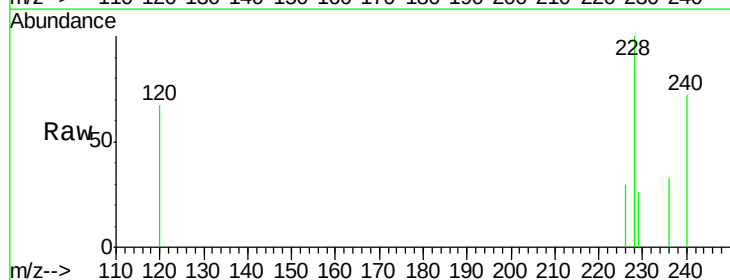
Tgt Ion:228 Resp: 3501

Ion Ratio Lower Upper

228 100

226 29.8 23.0 34.4

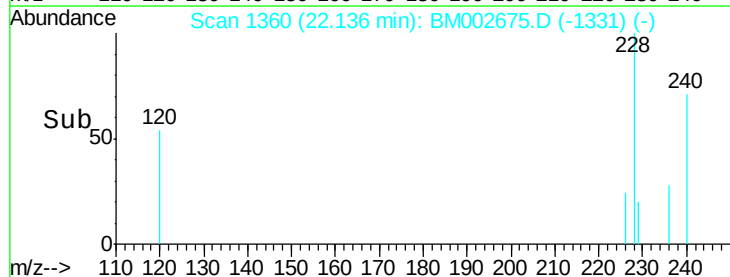
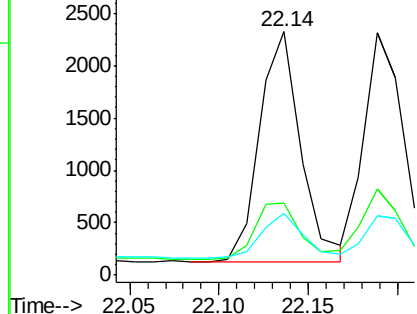
229 25.6 15.2 22.8#

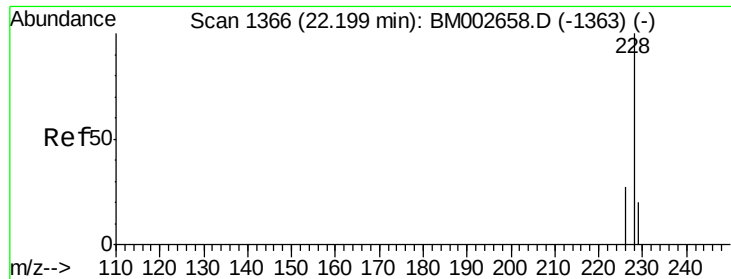


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.05 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

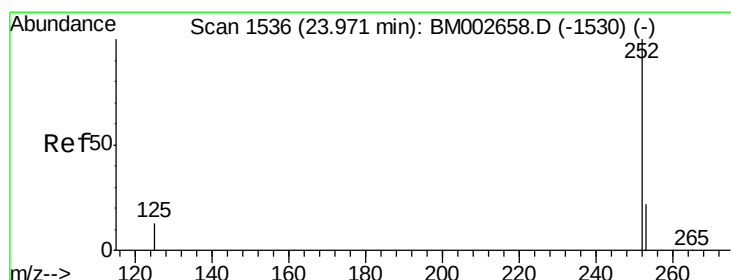
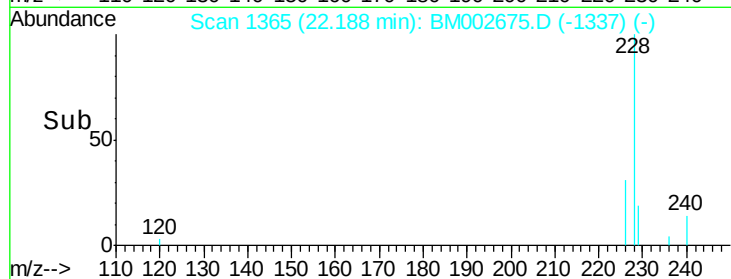
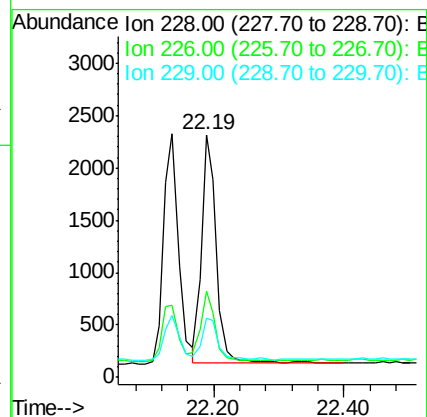
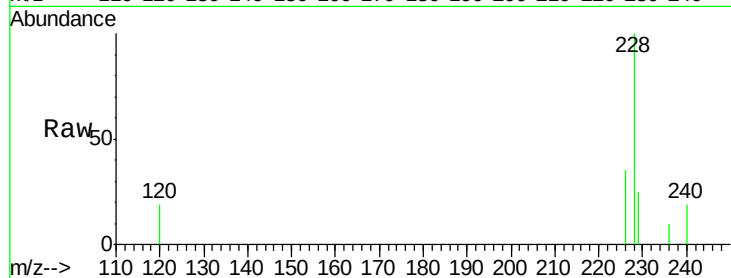
Tgt Ion:228 Resp: 3482

Ion Ratio Lower Upper

228 100

226 35.4 25.7 38.5

229 24.7 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

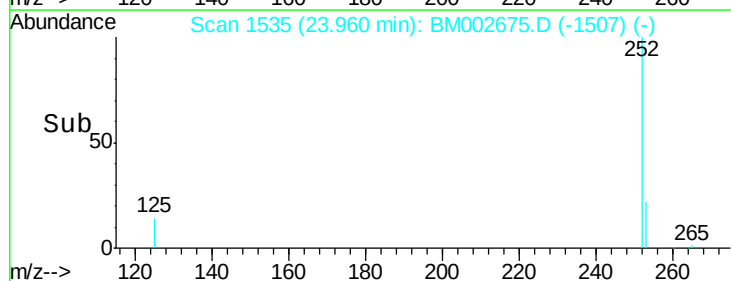
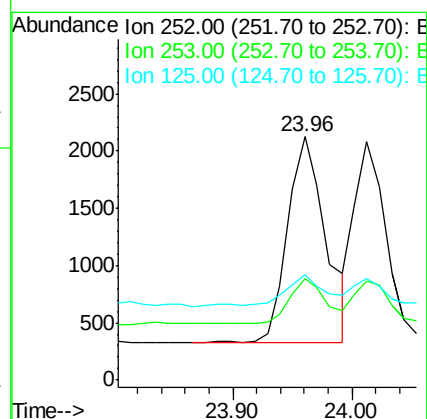
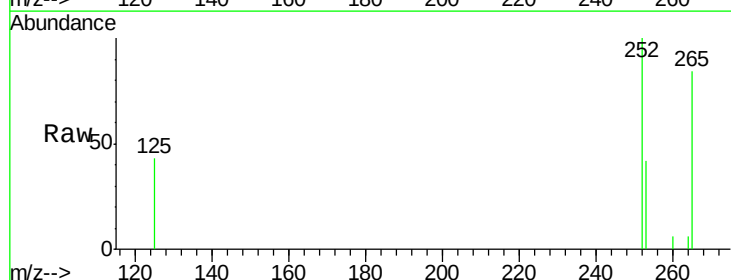
Tgt Ion:252 Resp: 4026

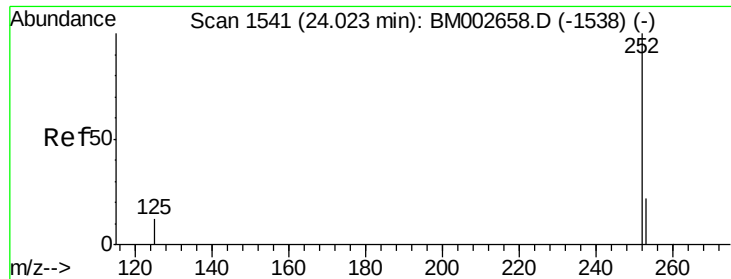
Ion Ratio Lower Upper

252 100

253 41.8 0.0 48.0

125 43.1 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

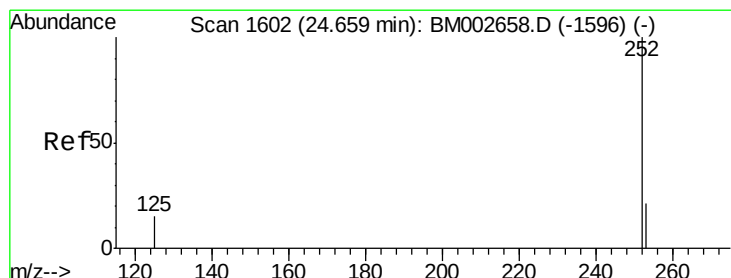
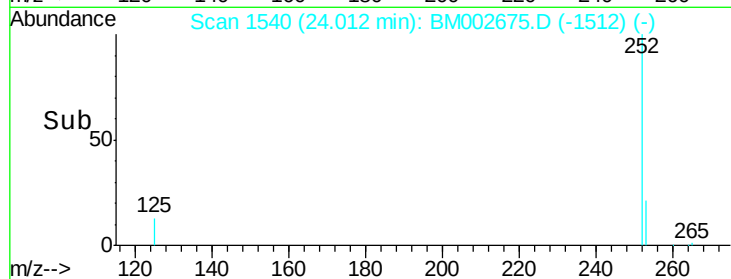
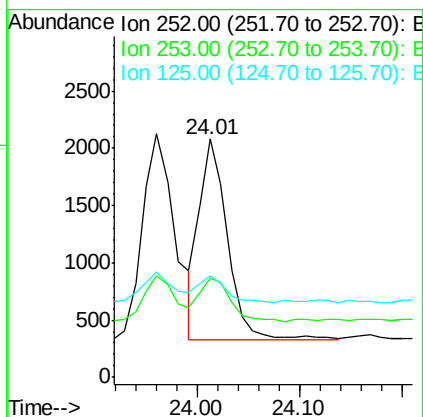
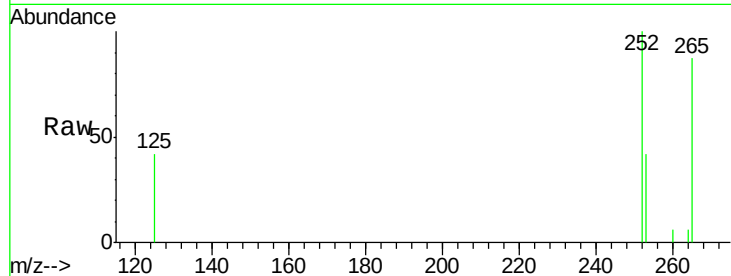
Tgt Ion:252 Resp: 3336

Ion Ratio Lower Upper

252 100

253 41.6 20.8 31.2#

125 42.4 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

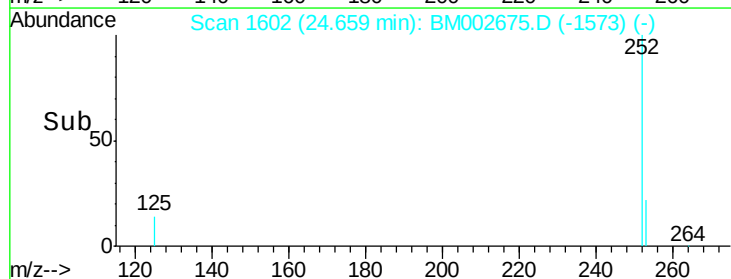
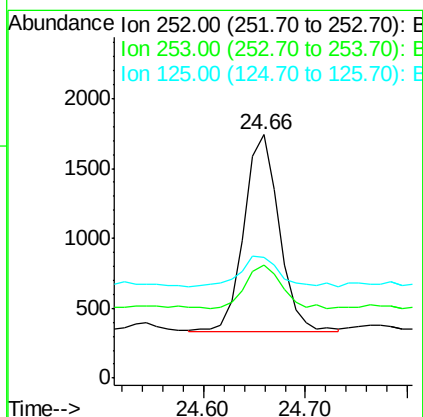
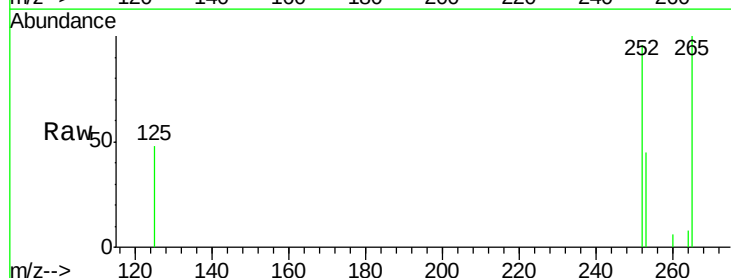
Tgt Ion:252 Resp: 3375

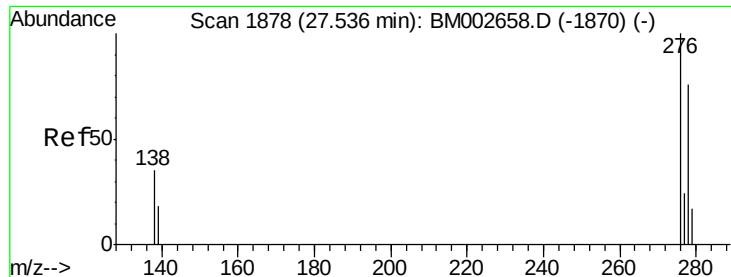
Ion Ratio Lower Upper

252 100

253 46.4 21.8 32.8#

125 49.5 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 27.54 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

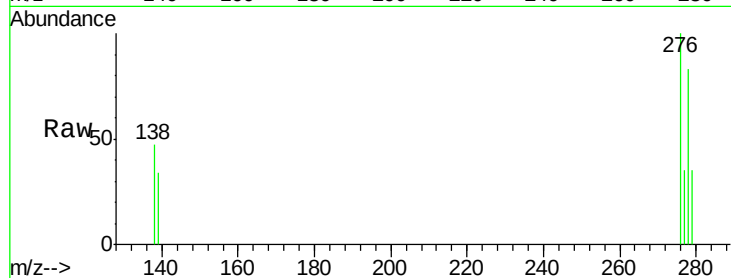
Tgt Ion:276 Resp: 4009

Ion Ratio Lower Upper

276 100

138 35.5 27.5 41.3

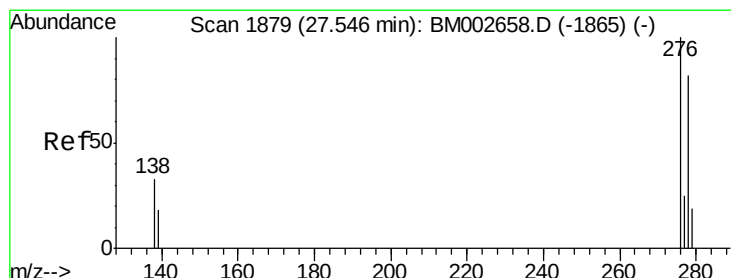
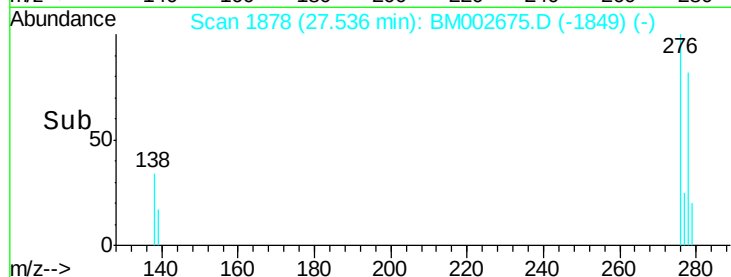
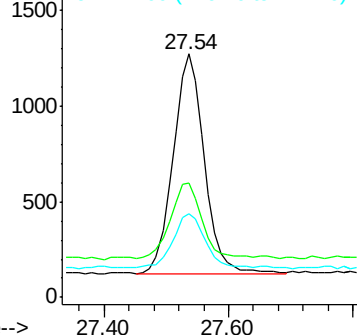
277 27.1 19.3 28.9



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: 27.54 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM002675.D

Acq: 04 Sep 2015 15:30

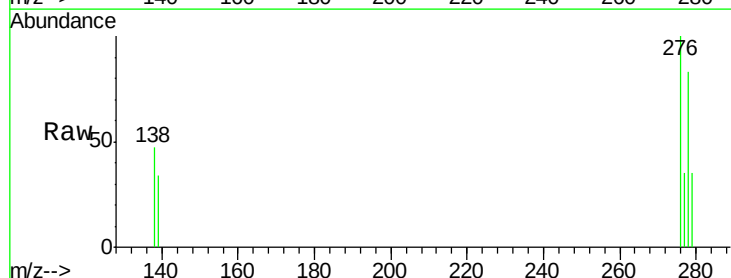
Tgt Ion:278 Resp: 3247

Ion Ratio Lower Upper

278 100

139 40.9 21.7 32.5#

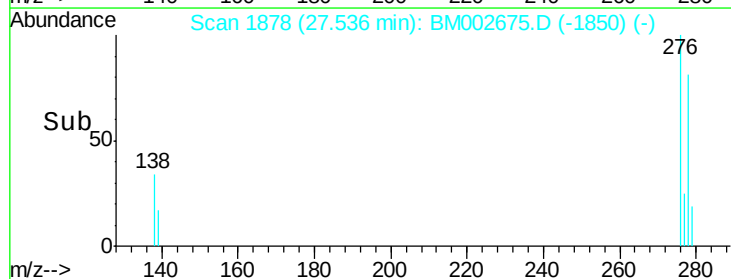
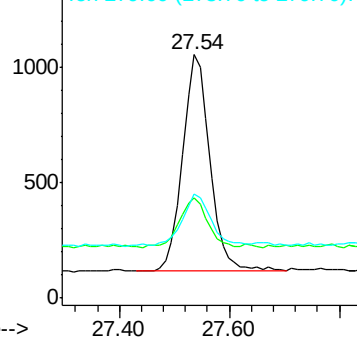
279 42.7 21.9 32.9#

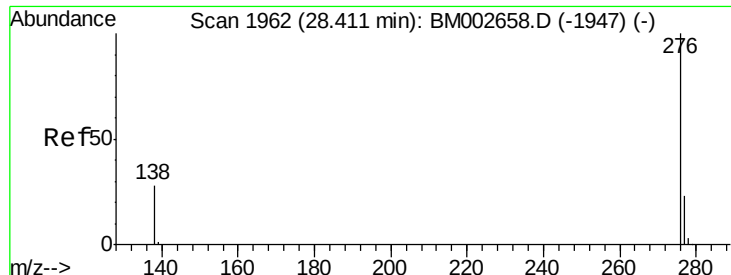


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.05 ng/ul

RT: 28.40 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BM002675.D

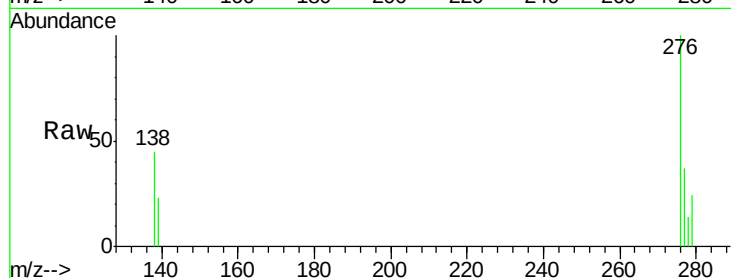
Acq: 04 Sep 2015 15:30

Instrument :

BNA_M

ClientSampleId :

MDL-05-S



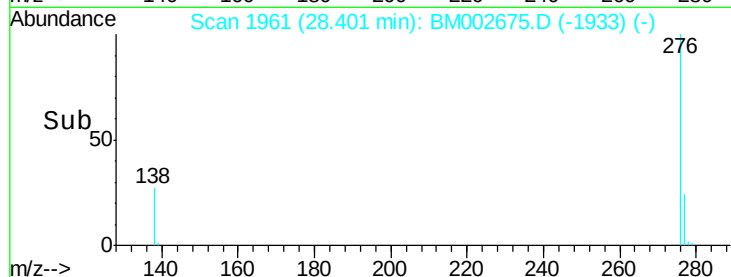
Tgt Ion: 276 Resp: 3483

Ion Ratio Lower Upper

276 100

277 36.8 21.3 31.9#

138 44.7 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

