

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090415\
 Data File : BM002676.D
 Acq On : 04 Sep 2015 16:07
 Operator : UM/IZ
 Sample : MDL-06-S
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Quant Time: Sep 04 16:39:44 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	8363	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	30963	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	12373	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	22666	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	21194	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	20907	0.40	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.82	96	18	0.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.17	152	16575	0.40	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	24849	0.48	ng/ul	-0.01

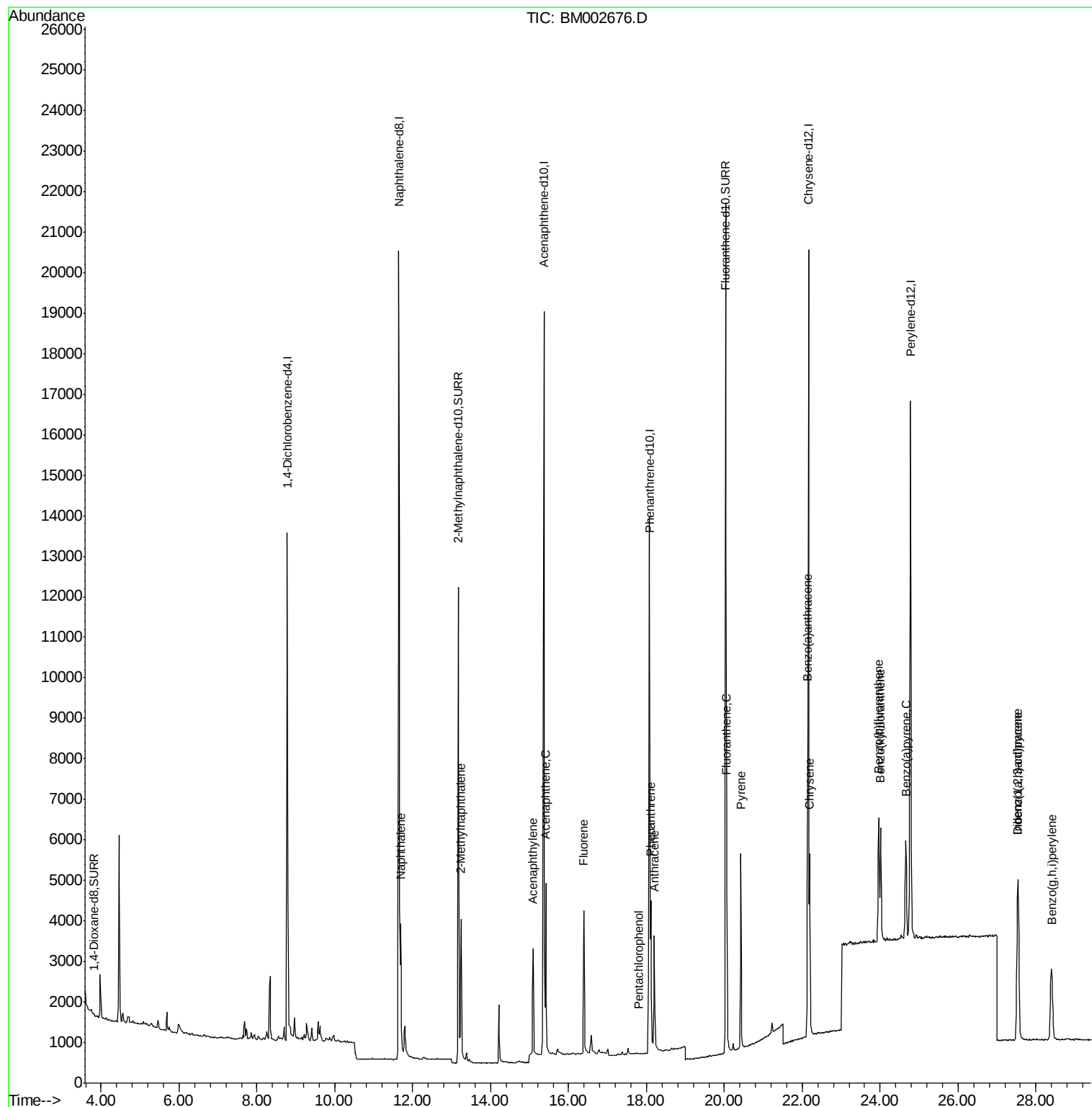
Target Compounds				Qvalue		
5) Naphthalene	11.69	128	4421	0.06	ng/ul	96
7) 2-Methylnaphthalene	13.24	142	3043	0.06	ng/ul	84
9) Acenaphthylene	15.09	152	3667	0.06	ng/ul	97
10) Acenaphthene	15.42	153	2545	0.06	ng/ul	94
11) Fluorene	16.39	166	2667	0.05	ng/ul#	92
13) Pentachlorophenol	17.80	266	19	0.01	ng/ul#	36
14) Phenanthrene	18.11	178	4064	0.06	ng/ul	96
15) Anthracene	18.20	178	3856	0.06	ng/ul	97
17) Fluoranthene	20.06	202	4494	0.06	ng/ul	90
19) Pyrene	20.42	202	4703	0.06	ng/ul#	96
20) Benzo(a)anthracene	22.14	228	4361	0.06	ng/ul#	94
21) Chrysene	22.19	228	4142	0.06	ng/ul#	94
23) Benzo(b)fluoranthene	23.96	252	4921	0.07	ng/ul#	66
24) Benzo(k)fluoranthene	24.01	252	4034	0.06	ng/ul#	65
25) Benzo(a)pyrene	24.66	252	4225	0.06	ng/ul#	60
26) Indeno(1,2,3-cd)pyrene	27.54	276	5061	0.06	ng/ul	99
27) Dibenzo(a,h)anthracene	27.54	278	4093	0.06	ng/ul#	79
28) Benzo(g,h,i)perylene	28.40	276	4350	0.06	ng/ul#	84

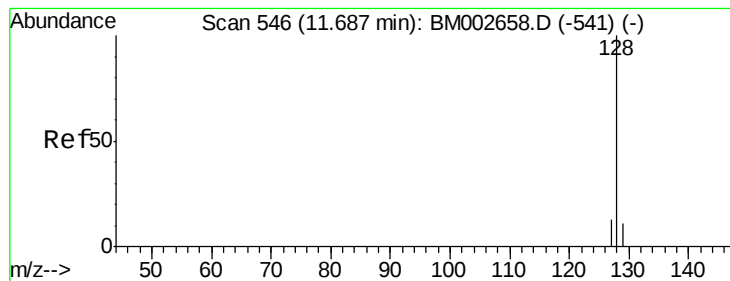
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 16:39:44 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: 0.06 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

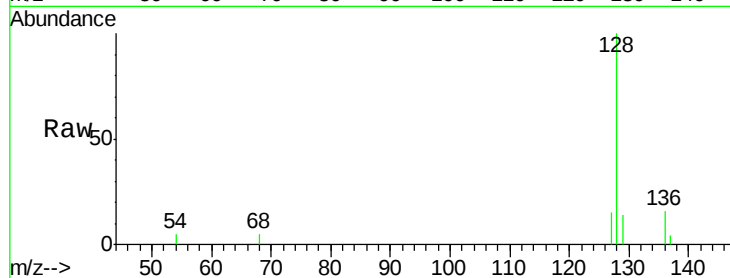
Tgt Ion:128 Resp: 4421

Ion Ratio Lower Upper

128 100

129 14.1 9.8 14.8

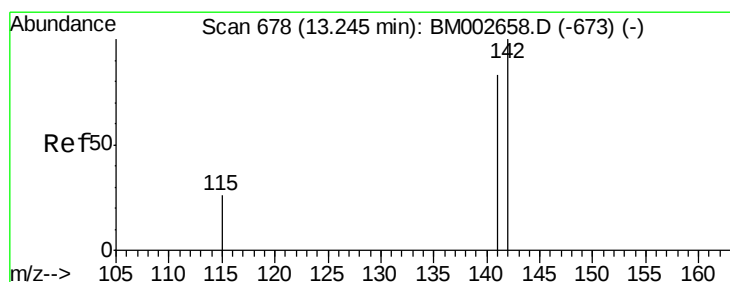
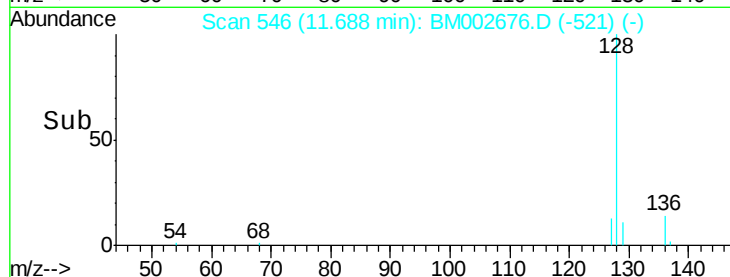
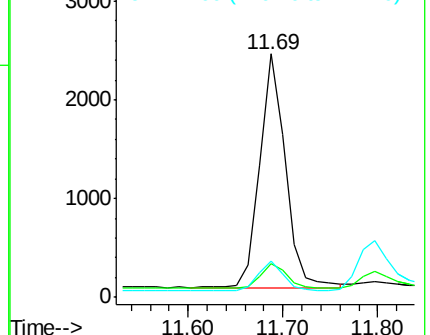
127 15.0 10.7 16.1



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

RT: 13.24 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002676.D

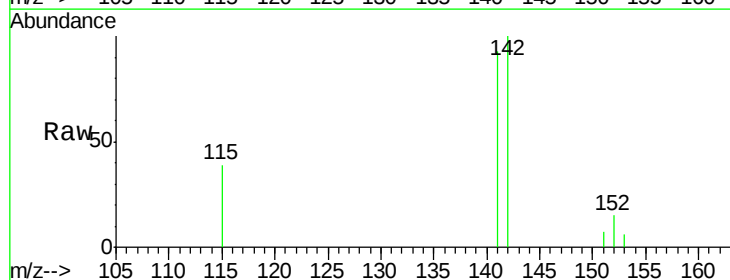
Acq: 04 Sep 2015 16:07

Tgt Ion:142 Resp: 3043

Ion Ratio Lower Upper

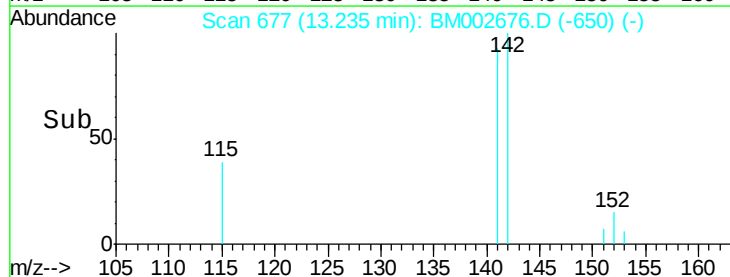
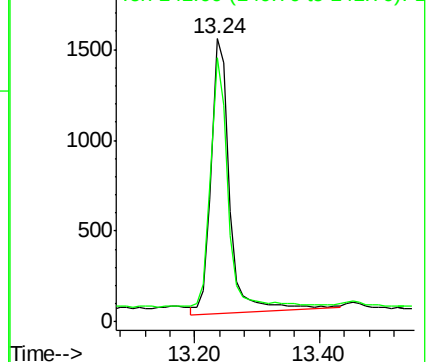
142 100

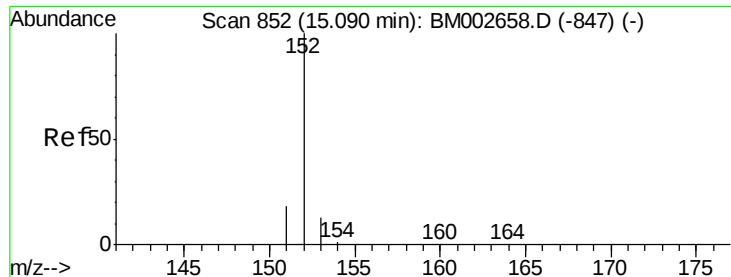
141 102.5 70.3 105.5



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: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

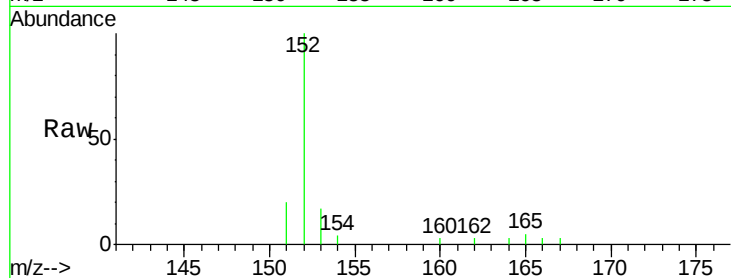
Tgt Ion:152 Resp: 3667

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

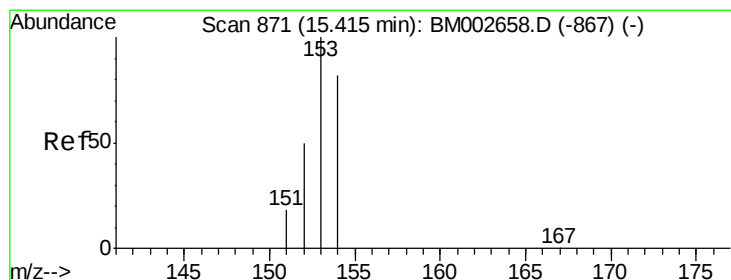
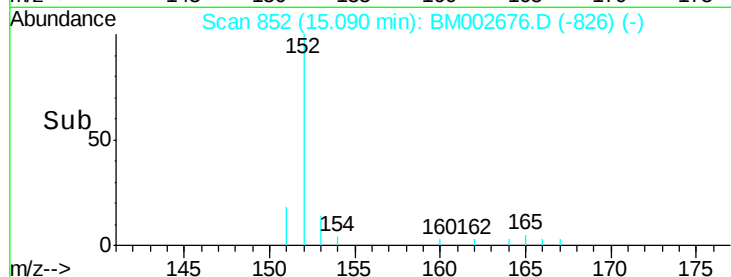
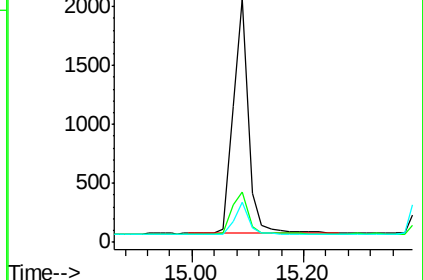
153 16.5 11.3 16.9



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: BM002676.D

Acq: 04 Sep 2015 16:07

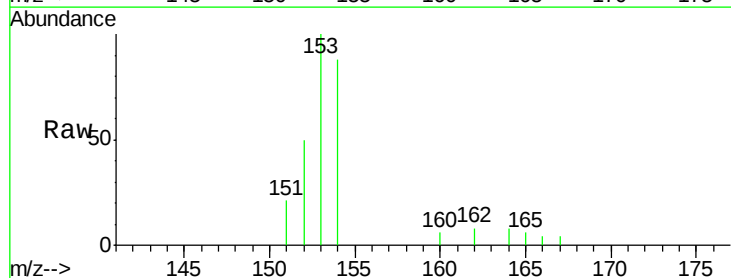
Tgt Ion:153 Resp: 2545

Ion Ratio Lower Upper

153 100

152 50.3 42.3 63.5

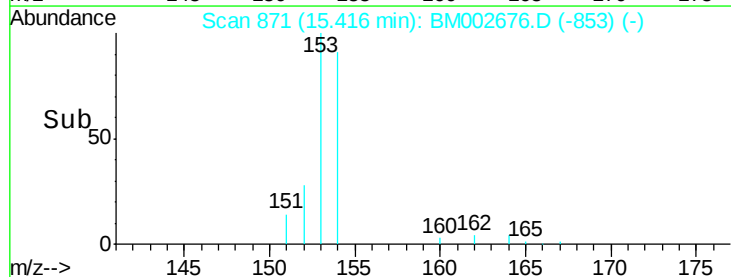
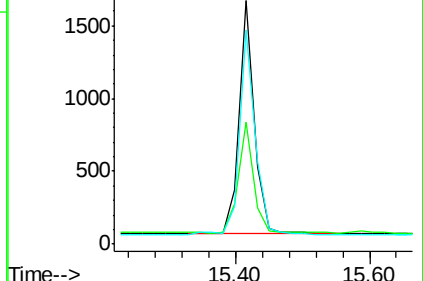
154 88.2 64.7 97.1

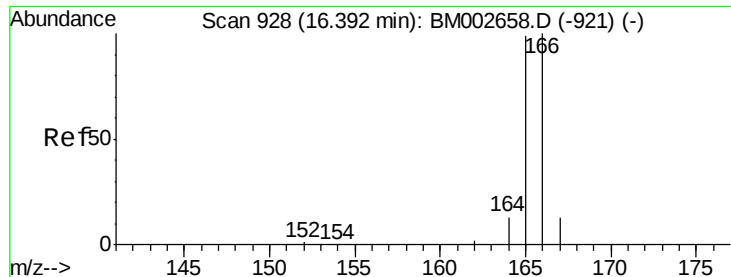


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

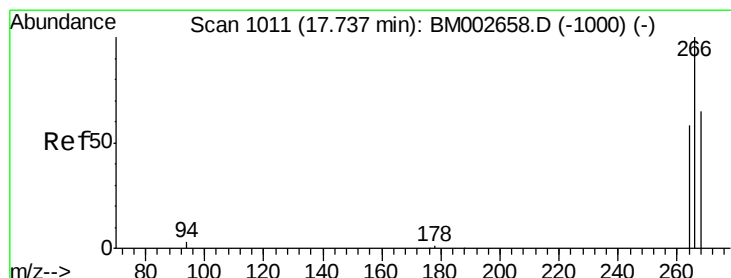
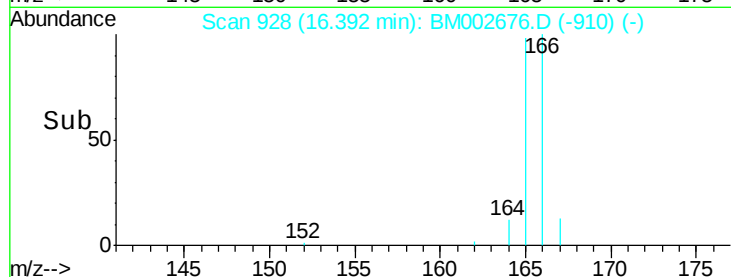
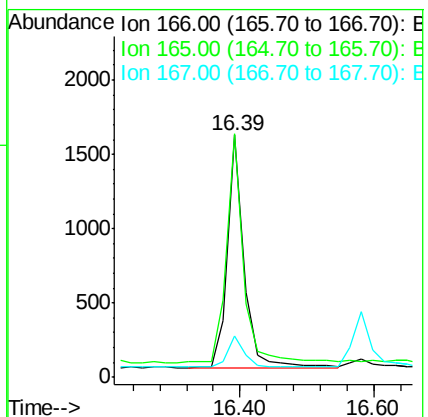
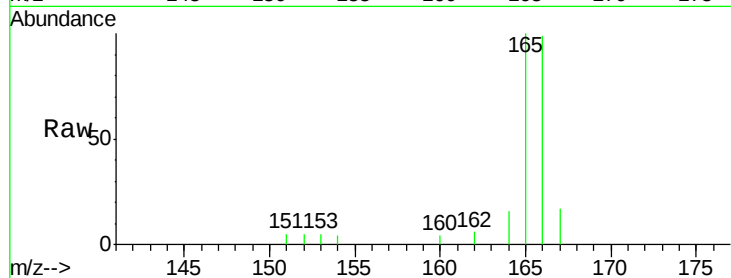
Tgt Ion:166 Resp: 2667

Ion Ratio Lower Upper

166 100

165 100.7 87.6 131.4

167 16.9 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 17.80 min Scan# 1015

Delta R.T. 0.06 min

Lab File: BM002676.D

Acq: 04 Sep 2015 16:07

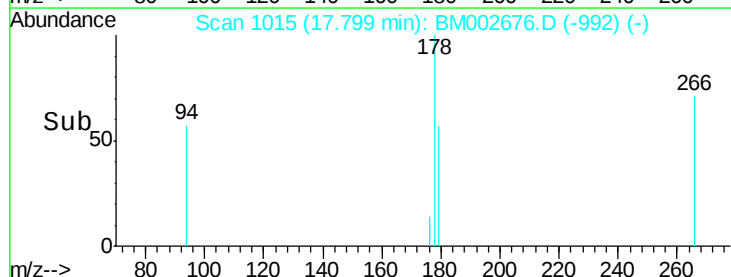
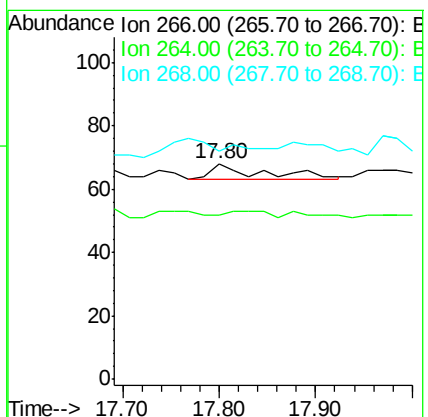
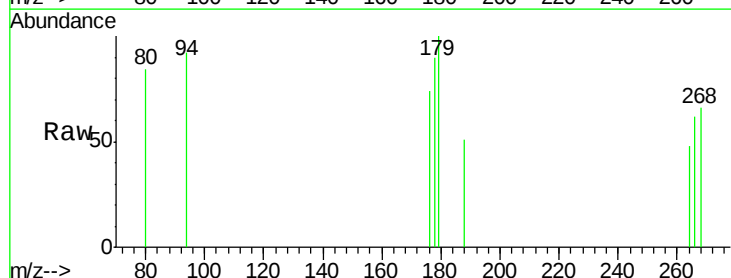
Tgt Ion:266 Resp: 19

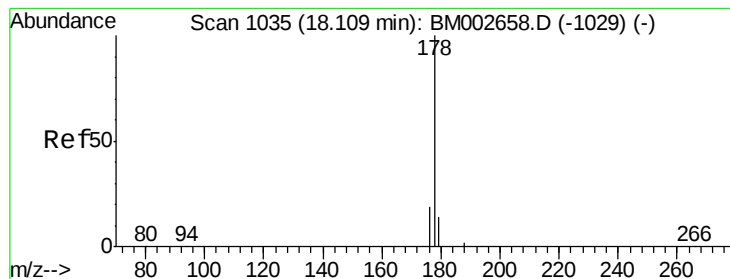
Ion Ratio Lower Upper

266 100

264 31.6 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: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

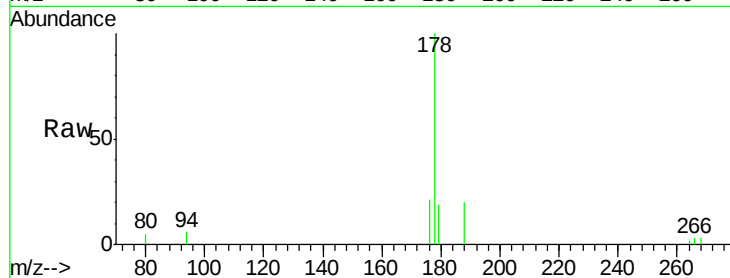
Tgt Ion:178 Resp: 4064

Ion Ratio Lower Upper

178 100

176 21.1 16.2 24.4

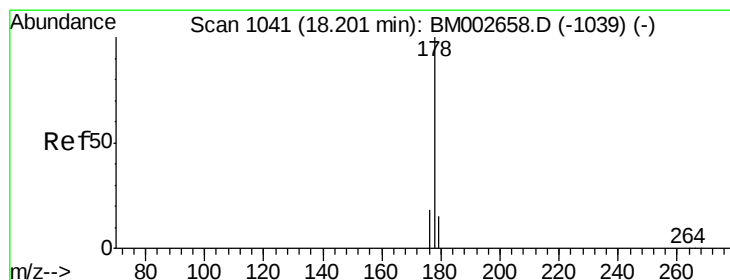
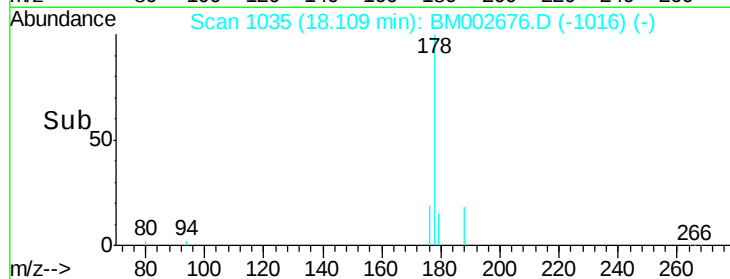
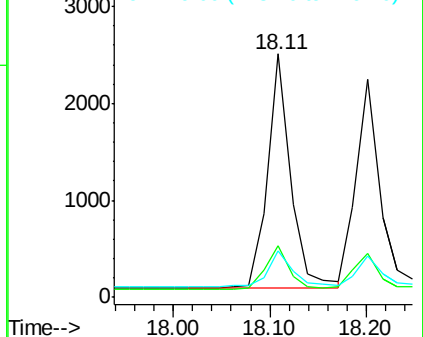
179 19.1 12.8 19.2



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: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002676.D

Acq: 04 Sep 2015 16:07

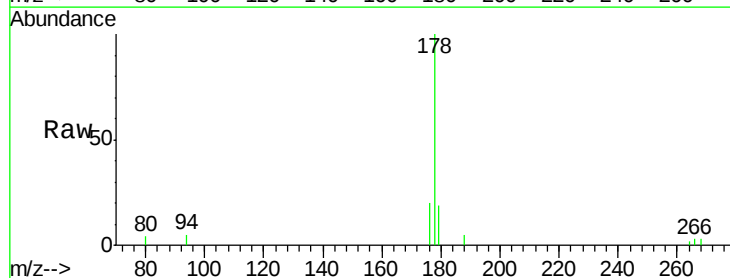
Tgt Ion:178 Resp: 3856

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

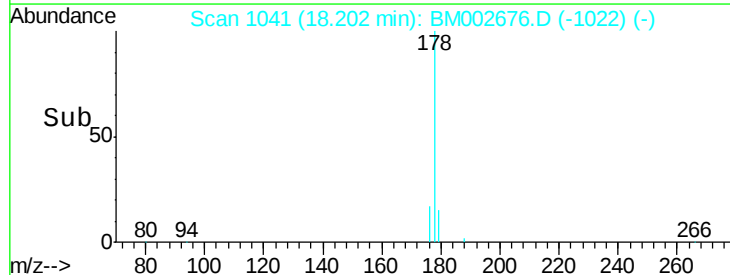
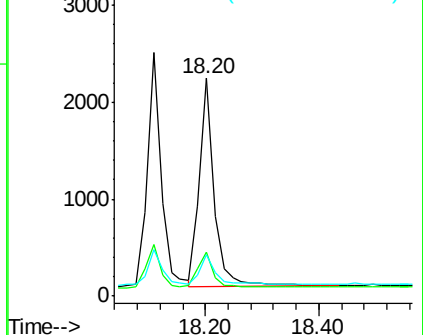
179 19.3 13.3 19.9

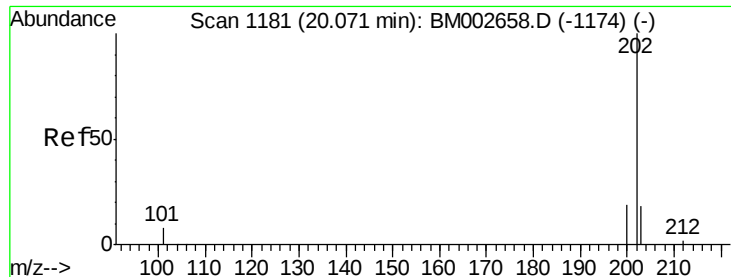


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

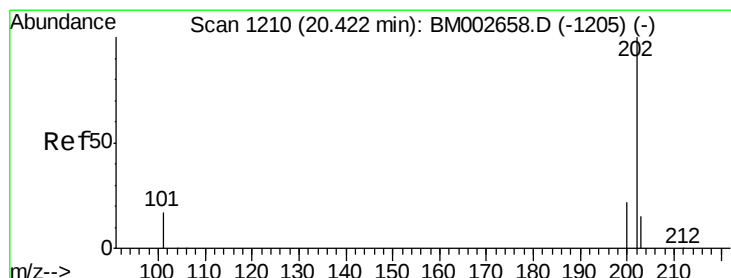
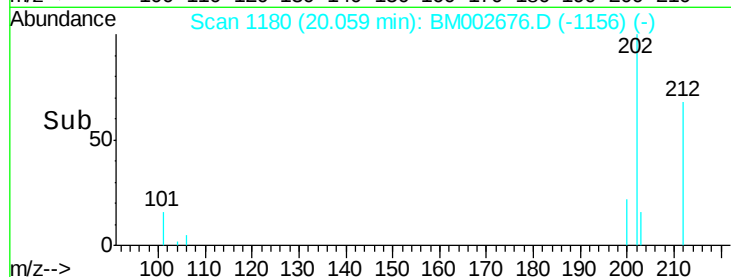
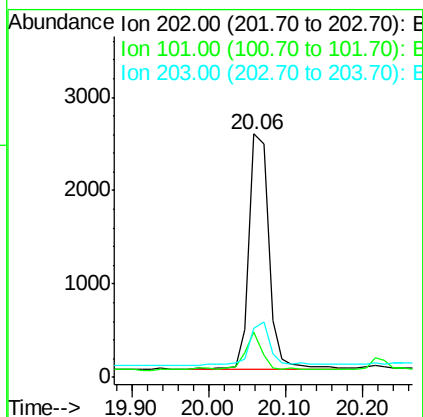
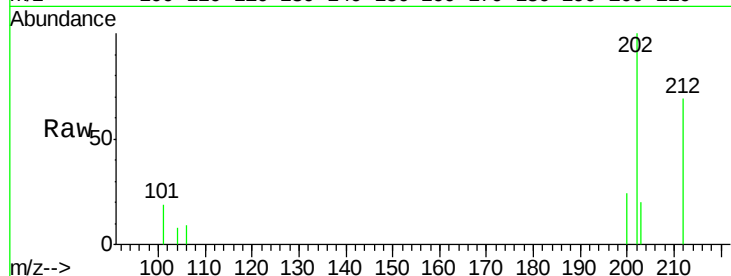




#17
Fluoranthene
 Concen: 0.06 ng/ul
 RT: 20.06 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BM002676.D
 Acq: 04 Sep 2015 16:07

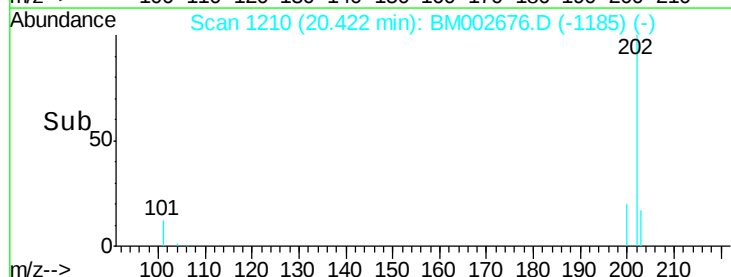
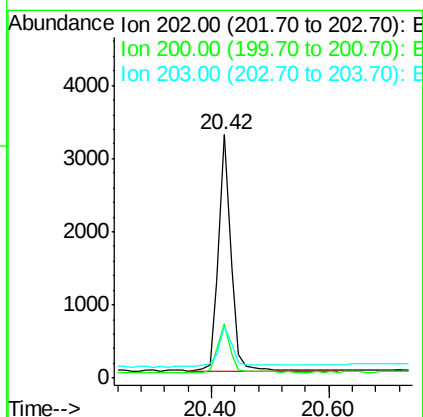
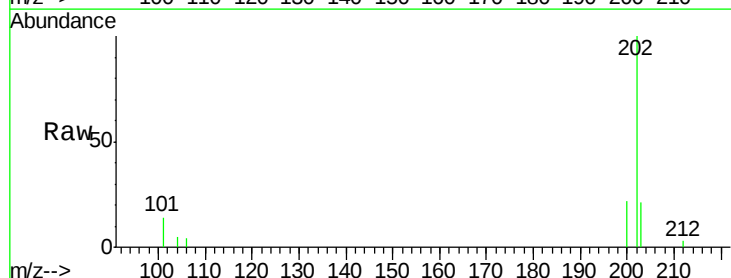
Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

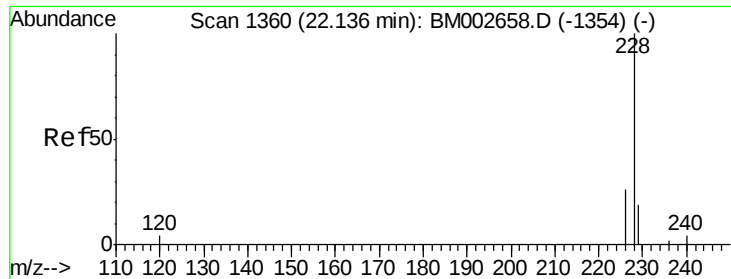
Tgt Ion:202 Resp: 4494
 Ion Ratio Lower Upper
 202 100
 101 18.5 0.0 33.1
 203 20.1 0.0 37.2



#19
Pyrene
 Concen: 0.06 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002676.D
 Acq: 04 Sep 2015 16:07

Tgt Ion:202 Resp: 4703
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.0 27.0
 203 21.2 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: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

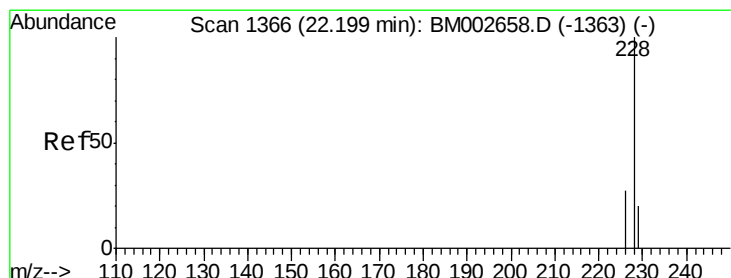
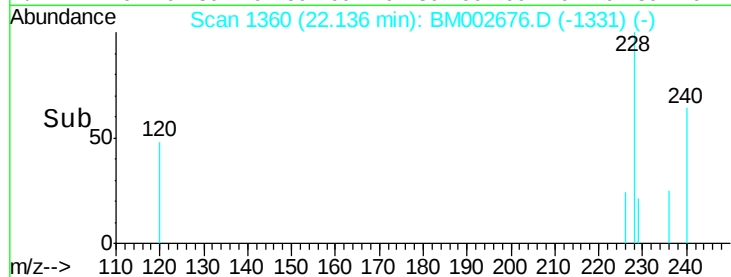
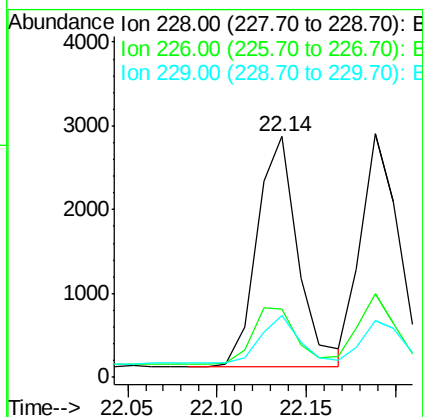
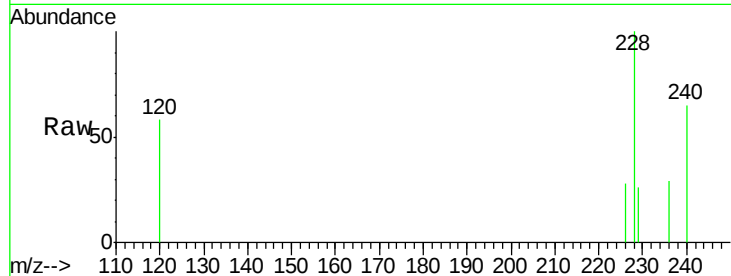
Tgt Ion:228 Resp: 4361

Ion Ratio Lower Upper

228 100

226 28.5 23.0 34.4

229 25.6 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: BM002676.D

Acq: 04 Sep 2015 16:07

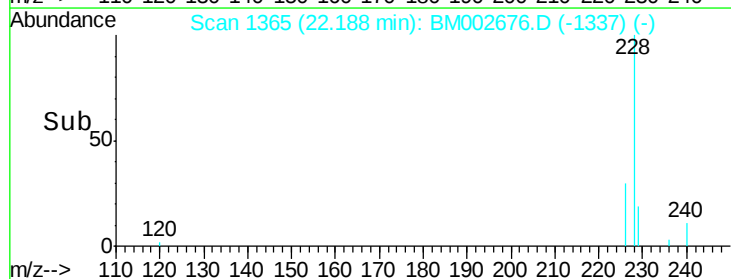
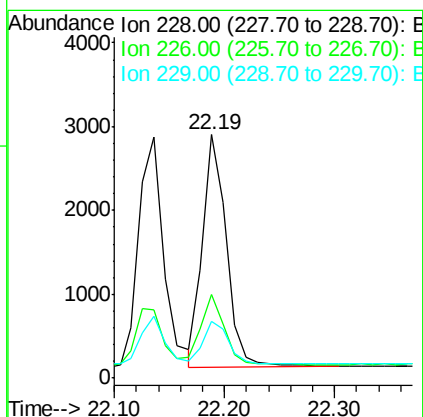
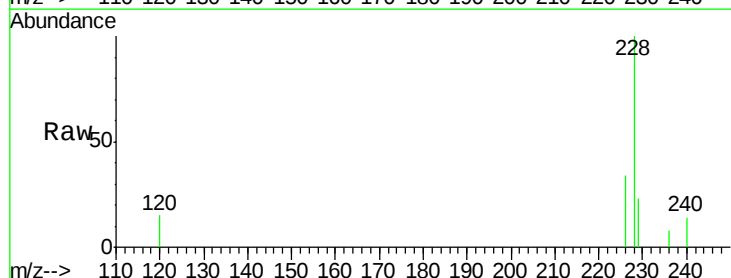
Tgt Ion:228 Resp: 4142

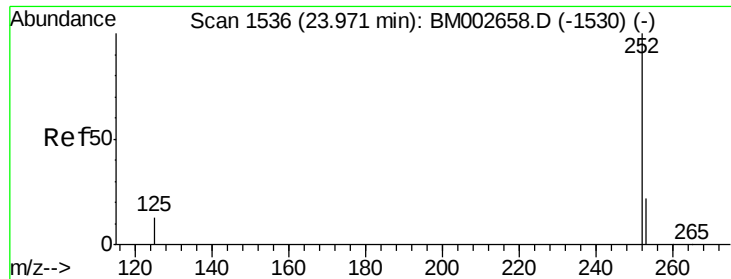
Ion Ratio Lower Upper

228 100

226 34.2 25.7 38.5

229 23.3 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/u1

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002676.D

Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

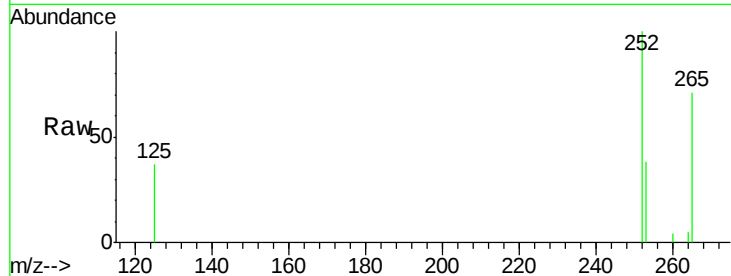
Tgt Ion:252 Resp: 4921

Ion Ratio Lower Upper

252 100

253 37.7 0.0 48.0

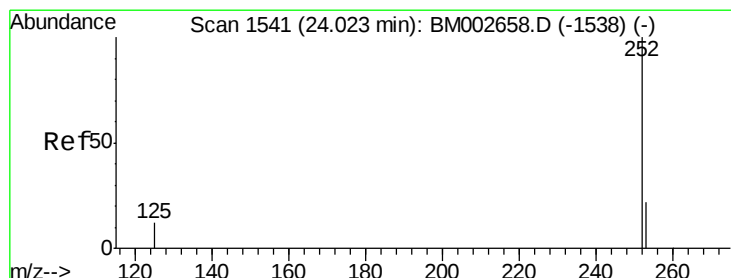
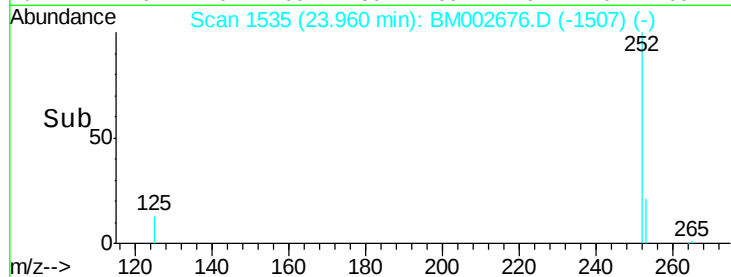
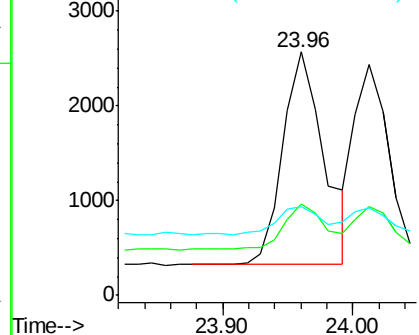
125 36.7 0.0 36.6#



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: BM002676.D

Acq: 04 Sep 2015 16:07

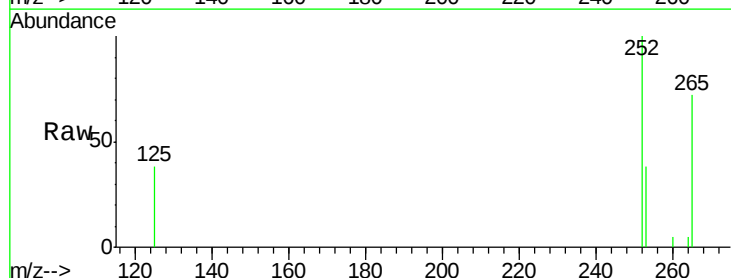
Tgt Ion:252 Resp: 4034

Ion Ratio Lower Upper

252 100

253 38.4 20.8 31.2#

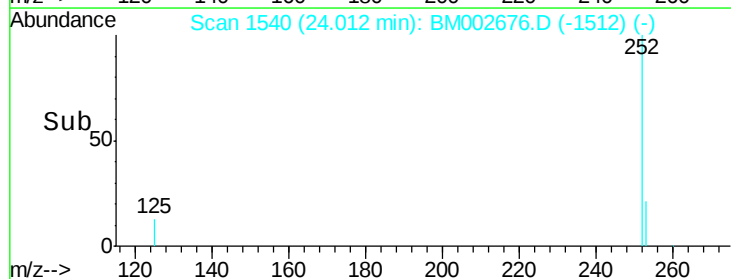
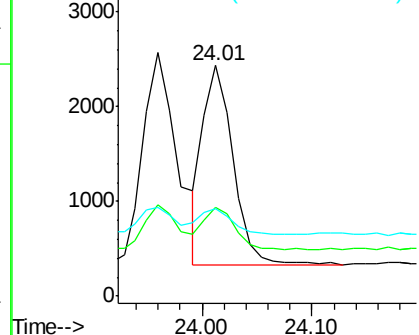
125 38.1 12.2 18.4#

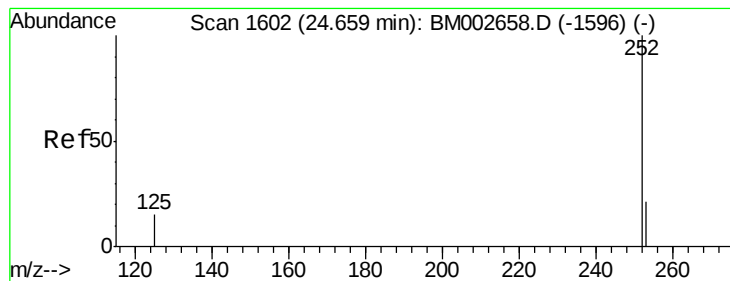


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM002676.D

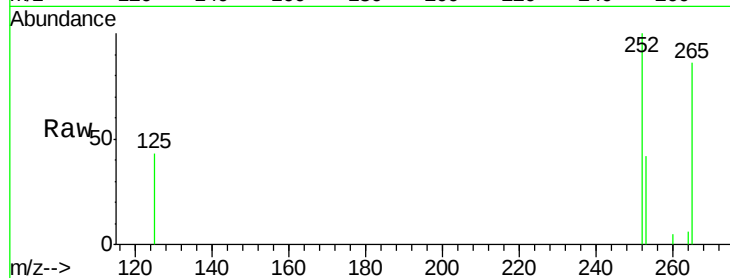
Acq: 04 Sep 2015 16:07

Instrument :

BNA_M

ClientSampleId :

MDL-06-S



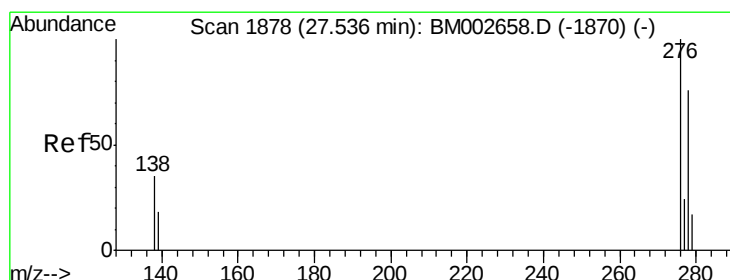
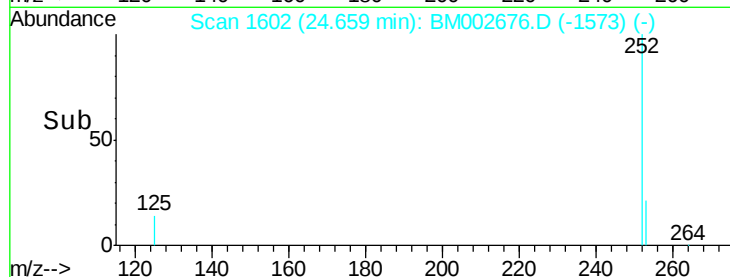
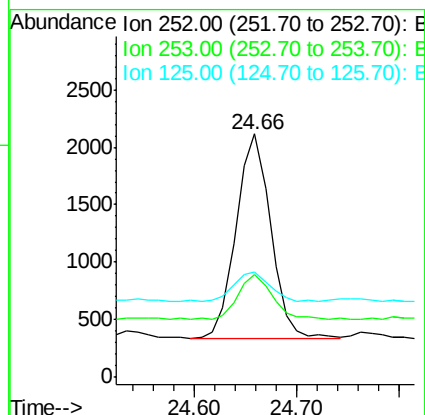
Tgt Ion:252 Resp: 4225

Ion Ratio Lower Upper

252 100

253 42.1 21.8 32.8#

125 43.2 14.5 21.7#



#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: BM002676.D

Acq: 04 Sep 2015 16:07

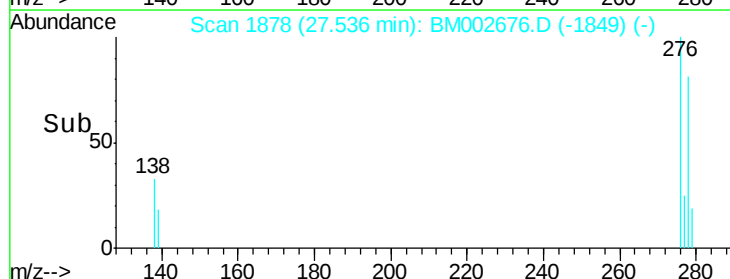
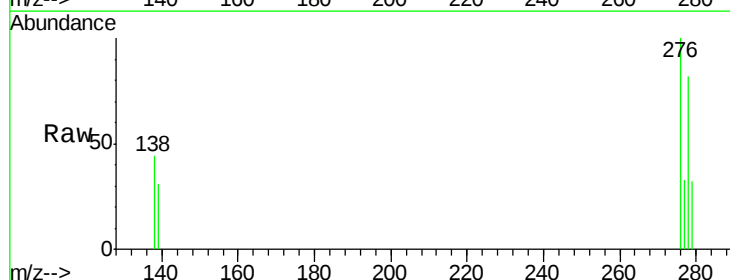
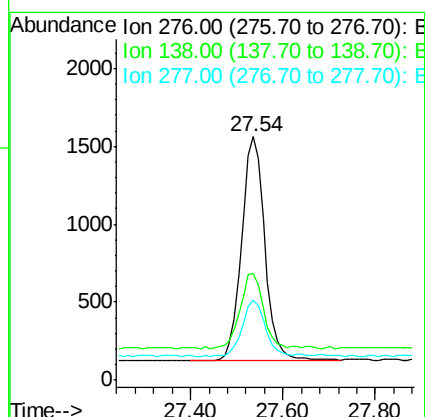
Tgt Ion:276 Resp: 5061

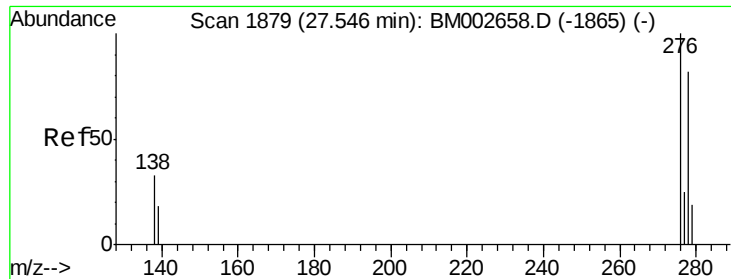
Ion Ratio Lower Upper

276 100

138 34.9 27.5 41.3

277 25.1 19.3 28.9

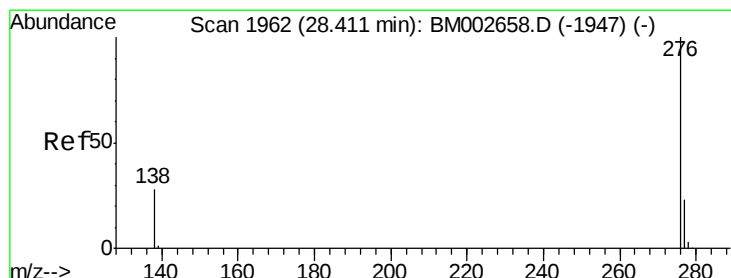
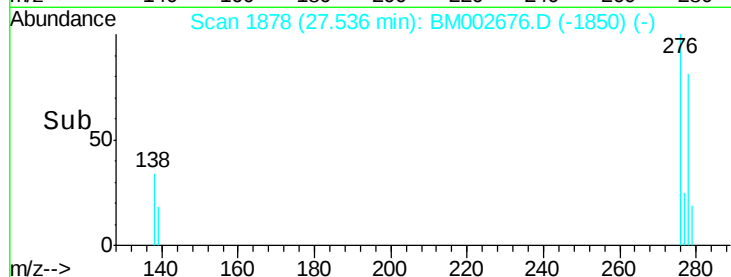
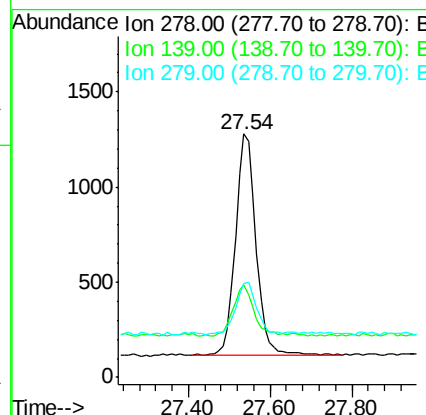
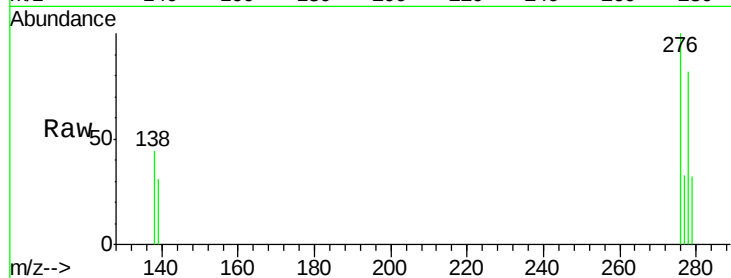




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.54 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BM002676.D
Acq: 04 Sep 2015 16:07

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Tgt Ion: 278 Resp: 4093
Ion Ratio Lower Upper
278 100
139 37.8 21.7 32.5#
279 38.7 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: BM002676.D
Acq: 04 Sep 2015 16:07

Tgt Ion: 276 Resp: 4350
Ion Ratio Lower Upper
276 100
277 33.2 21.3 31.9#
138 42.5 25.5 38.3#

