

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002665.D
 Acq On : 04 Sep 2015 01:36
 Operator : UM/IZ
 Sample : MDL-06-S
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Quant Time: Sep 04 04:38:36 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	7486	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	27980	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11033	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	19963	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	18725	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	18649	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	32	0.00	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	13.17	152	14476	0.39	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	20410	0.45	ng/ul	-0.01

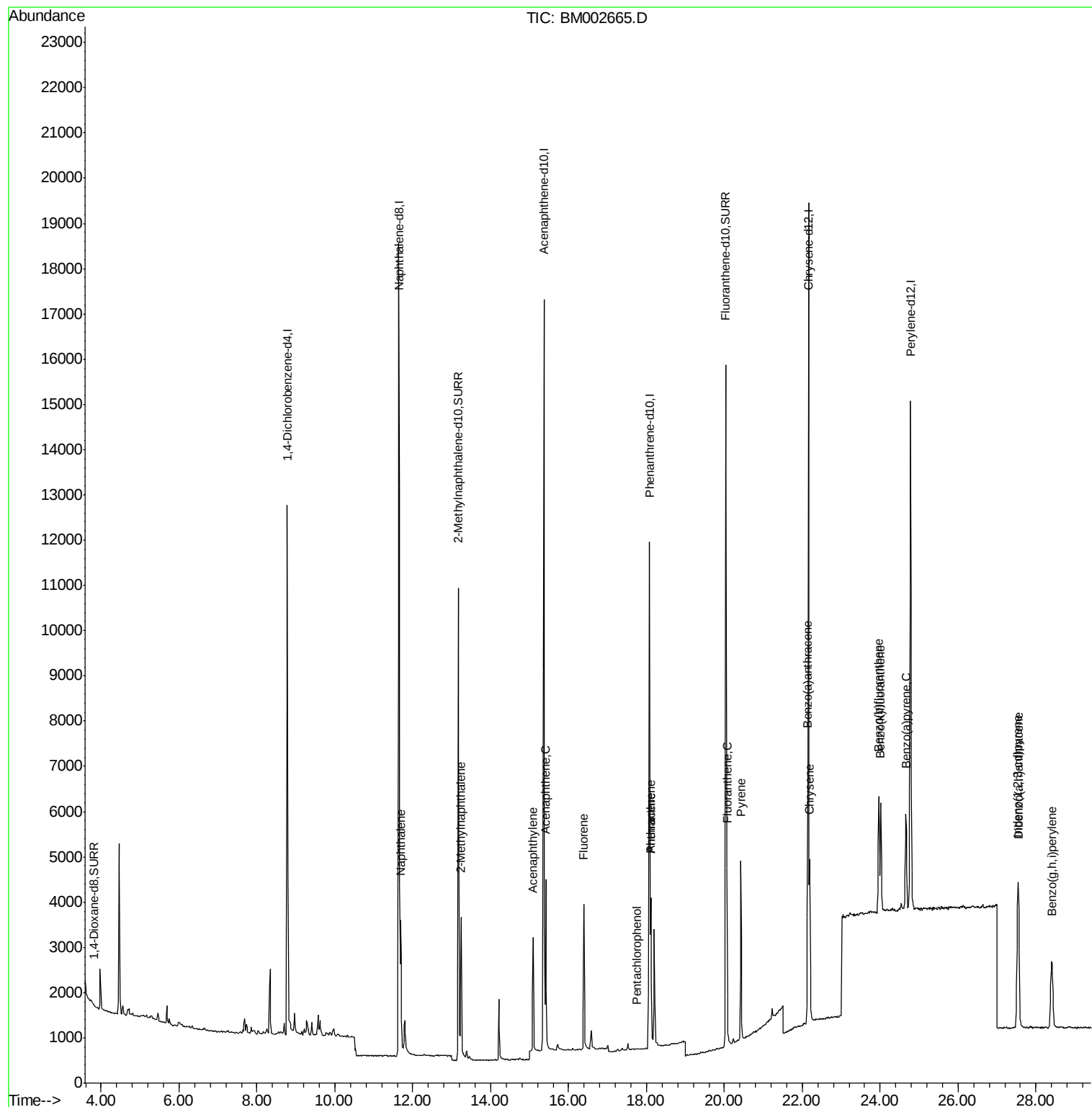
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.69	128	4120	0.06	ng/ul	95
7) 2-Methylnaphthalene	13.23	142	3075	0.06	ng/ul	93
9) Acenaphthylene	15.09	152	3307	0.06	ng/ul#	97
10) Acenaphthene	15.42	153	2316	0.06	ng/ul	97
11) Fluorene	16.39	166	2418	0.06	ng/ul#	92
13) Pentachlorophenol	17.75	266	8	0.00	ng/ul#	1
14) Phenanthrene	18.11	178	3553	0.06	ng/ul#	95
15) Anthracene	18.11	178	3553	0.06	ng/ul	95
17) Fluoranthene	20.07	202	3852	0.06	ng/ul	88
19) Pyrene	20.42	202	3985	0.06	ng/ul#	93
20) Benzo(a)anthracene	22.14	228	3774	0.06	ng/ul#	90
21) Chrysene	22.19	228	3677	0.06	ng/ul#	89
23) Benzo(b)fluoranthene	23.96	252	4134	0.06	ng/ul#	56
24) Benzo(k)fluoranthene	24.01	252	3591	0.06	ng/ul#	52
25) Benzo(a)pyrene	24.66	252	3605	0.06	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	27.54	276	4328	0.06	ng/ul	97
27) Dibenzo(a,h)anthracene	27.55	278	3454	0.06	ng/ul#	68
28) Benzo(a,h,i)perylene	28.40	276	3682	0.06	ng/ul#	76

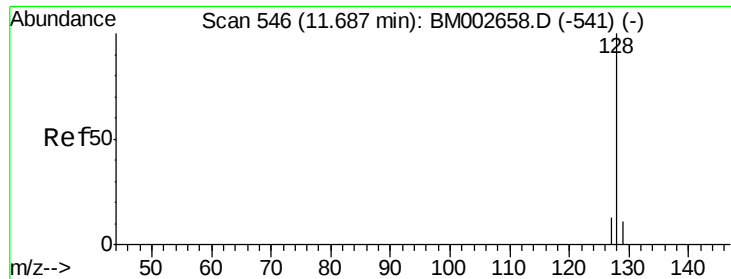
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
Data File : BM002665.D
Acq On : 04 Sep 2015 01:36
Operator : UM/IZ
Sample : MDL-06-S
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Quant Time: Sep 04 04:38:36 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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

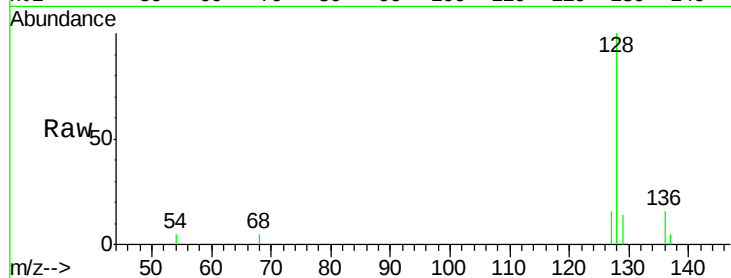
Tot Ion:128 Resp: 4120

Ion Ratio Lower Upper

128 100

129 14.4 9.8 14.8

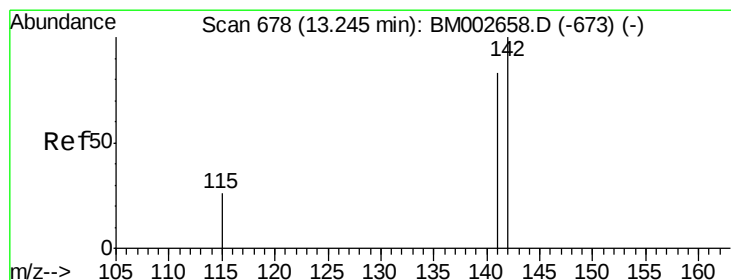
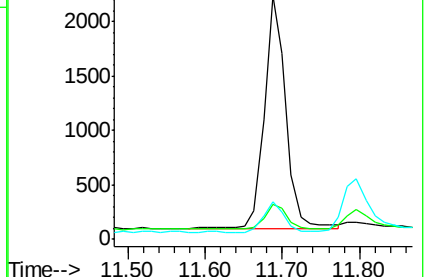
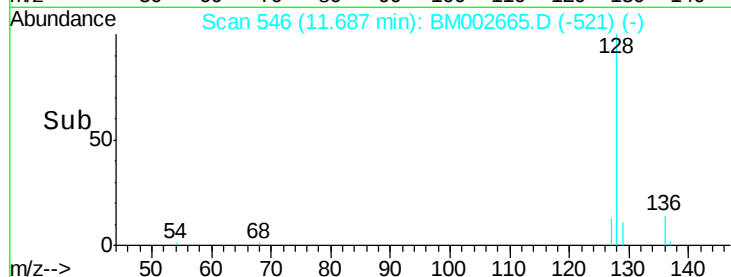
127 15.6 10.7 16.1



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: 0.06 ng/ul

RT: 13.23 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002665.D

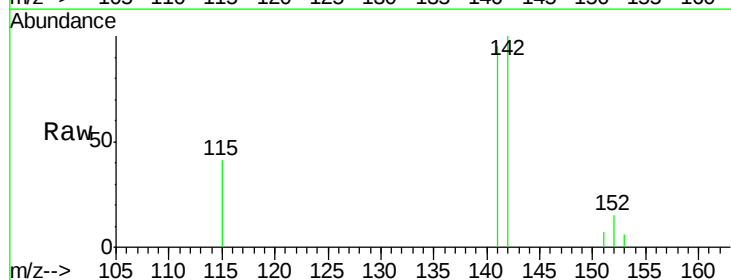
Acq: 04 Sep 2015 01:36

Tgt Ion:142 Resp: 3075

Ion Ratio Lower Upper

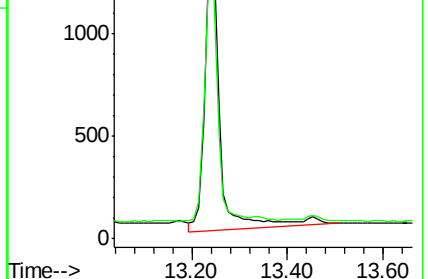
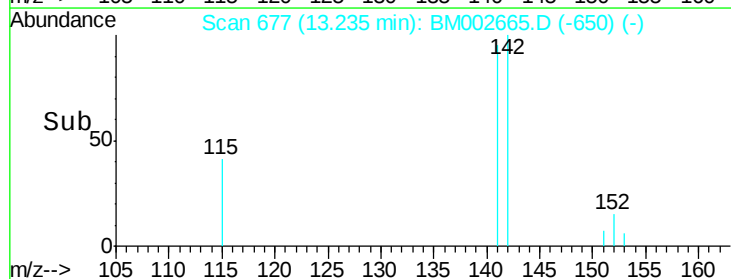
142 100

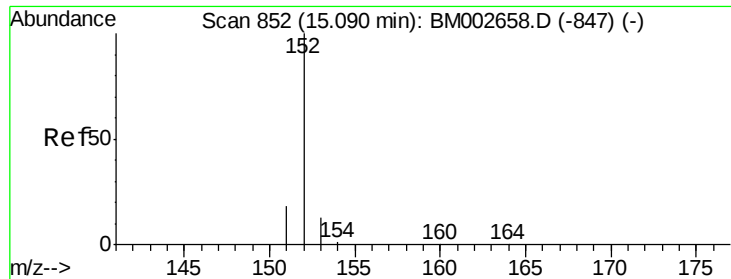
141 94.5 70.3 105.5



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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

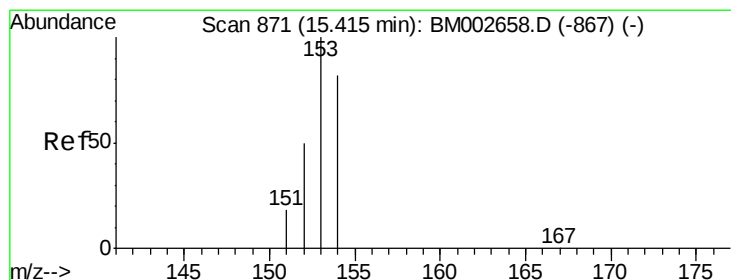
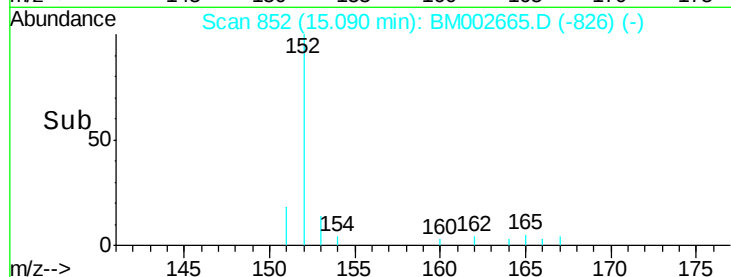
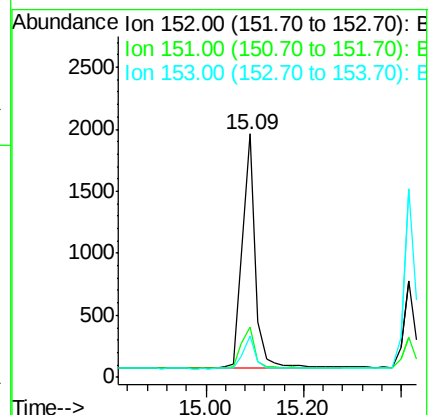
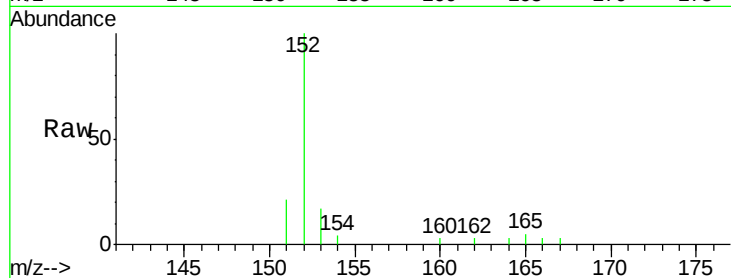
Tot Ion:152 Resp: 3307

Ion Ratio Lower Upper

152 100

151 20.9 16.8 25.2

153 17.0 11.3 16.9#



#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002665.D

Acq: 04 Sep 2015 01:36

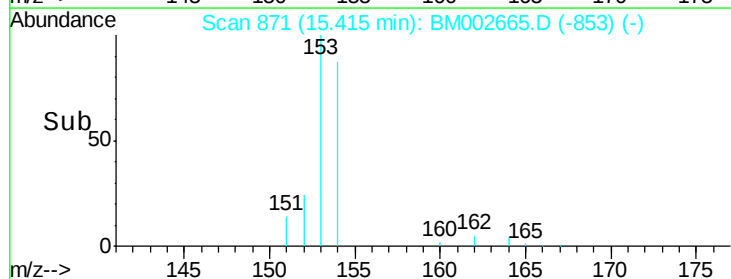
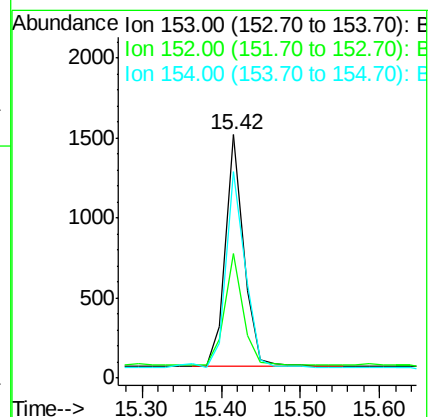
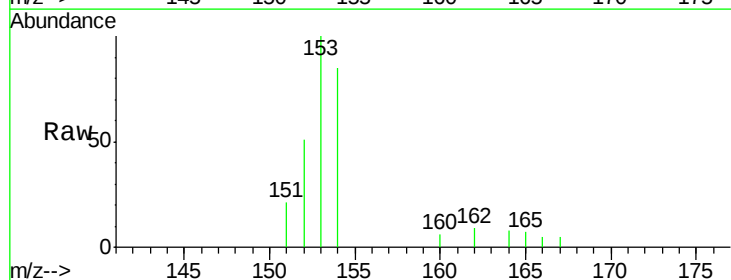
Tgt Ion:153 Resp: 2316

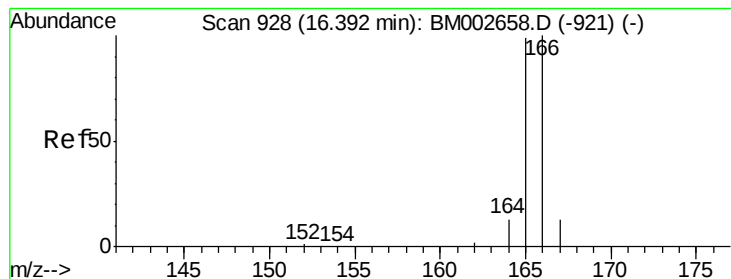
Ion Ratio Lower Upper

153 100

152 51.3 42.3 63.5

154 84.7 64.7 97.1





#11

Fluorene

Concen: 0.06 ng/ul

RT: 16.39 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

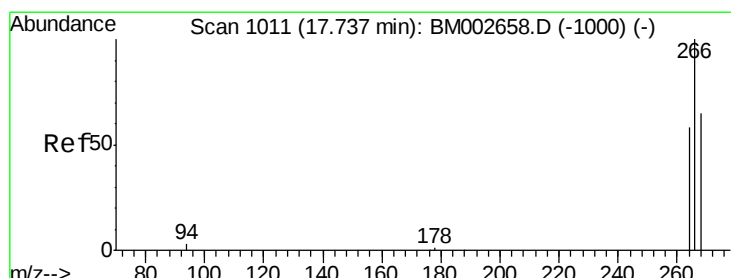
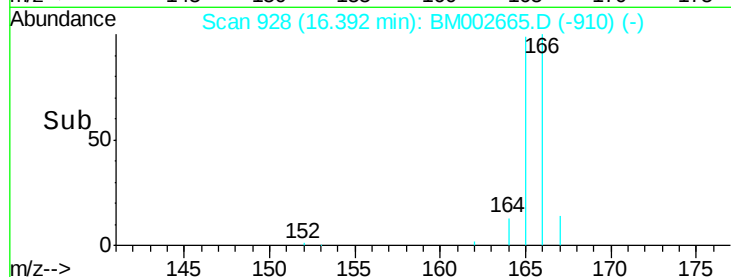
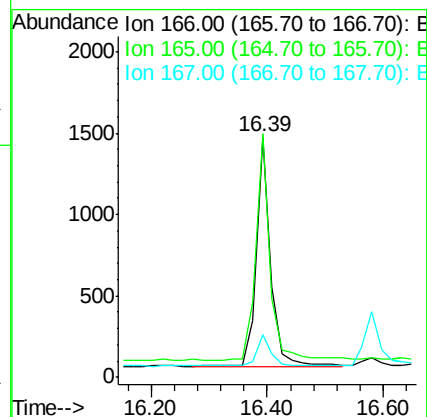
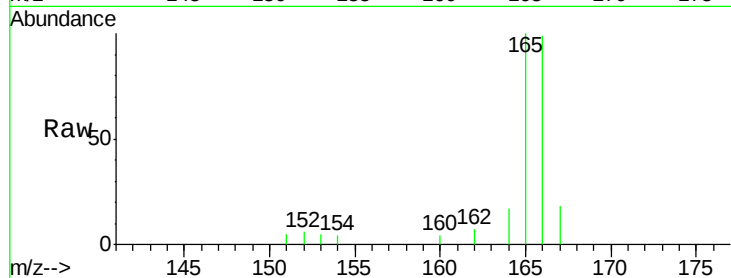
Tot Ion:166 Resp: 2418

Ion Ratio Lower Upper

166 100

165 101.4 87.6 131.4

167 17.8 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.75 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM002665.D

Acq: 04 Sep 2015 01:36

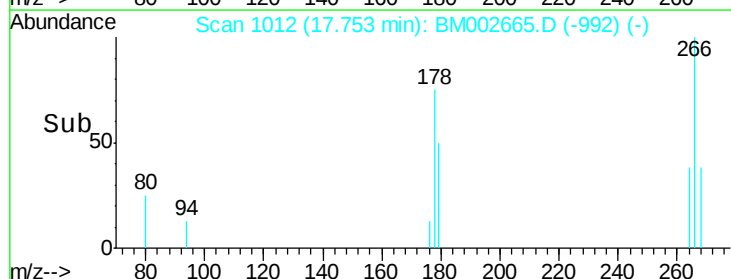
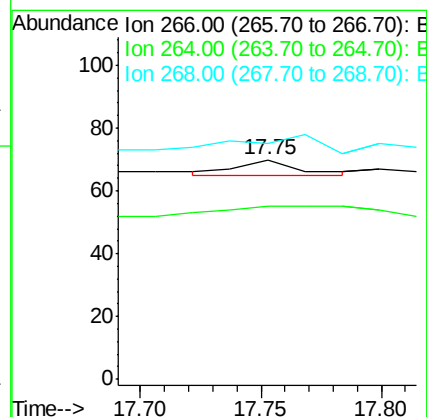
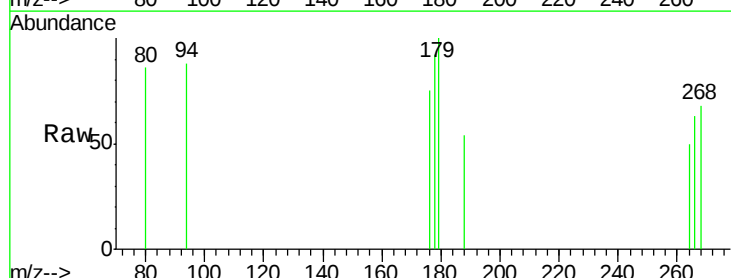
Tgt Ion:266 Resp: 8

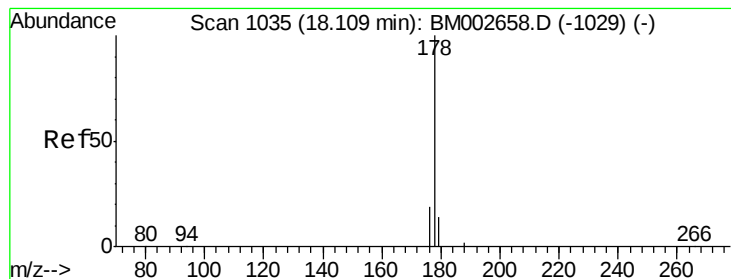
Ion Ratio Lower Upper

266 100

264 162.5 53.5 80.3#

268 925.0 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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

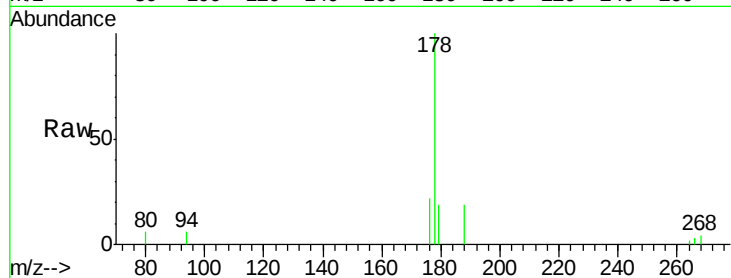
Tot Ion:178 Resp: 3553

Ion Ratio Lower Upper

178 100

176 21.7 16.2 24.4

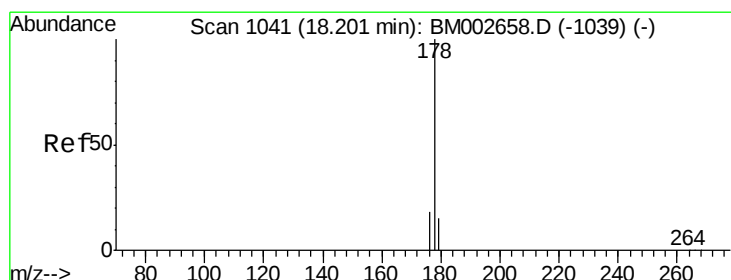
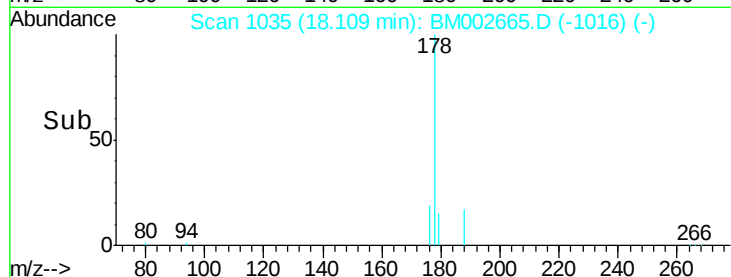
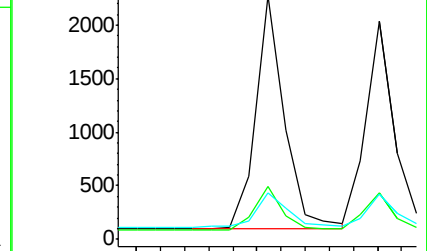
179 19.3 12.8 19.2#



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: BM002665.D

Acq: 04 Sep 2015 01:36

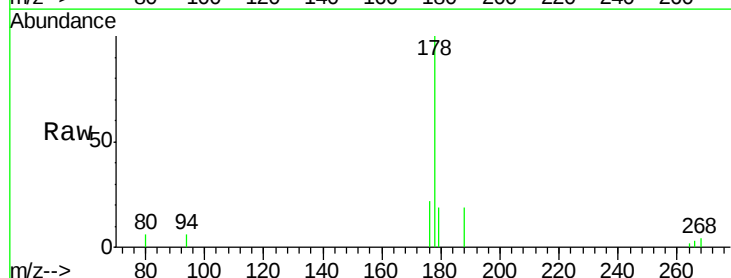
Tgt Ion:178 Resp: 3553

Ion Ratio Lower Upper

178 100

176 21.7 15.8 23.8

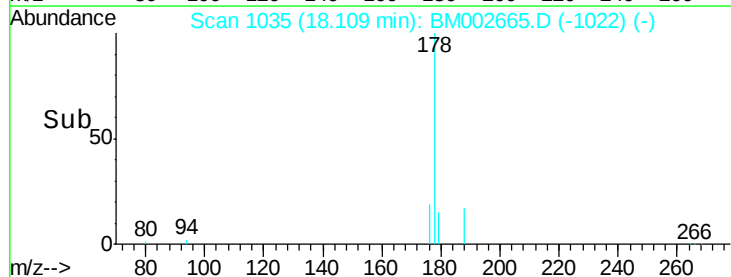
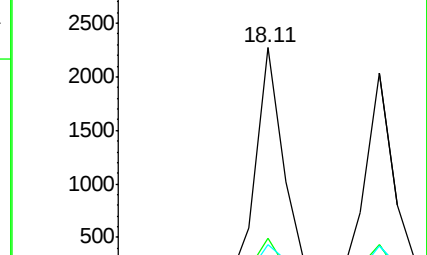
179 19.3 13.3 19.9

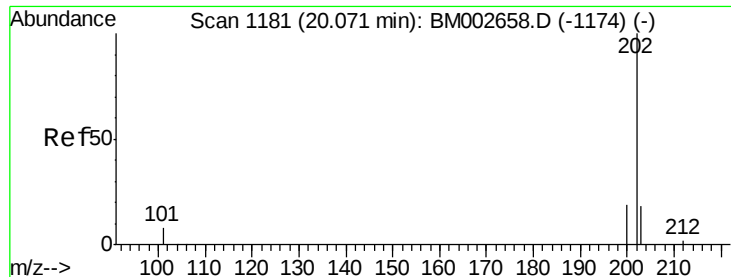


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

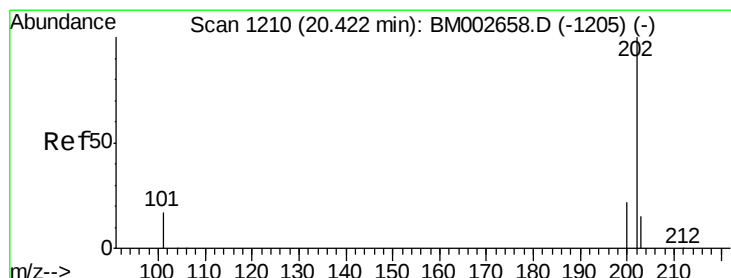
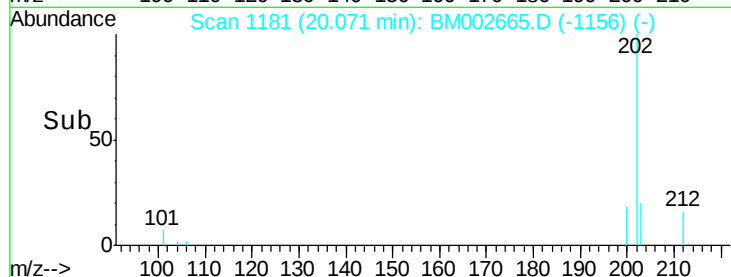
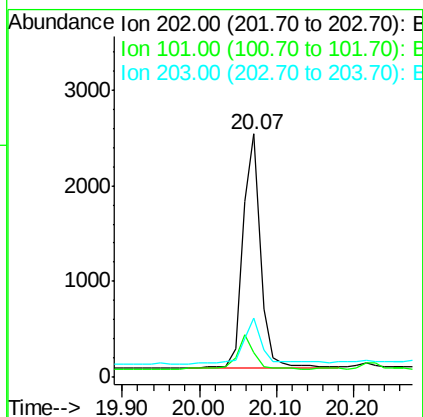
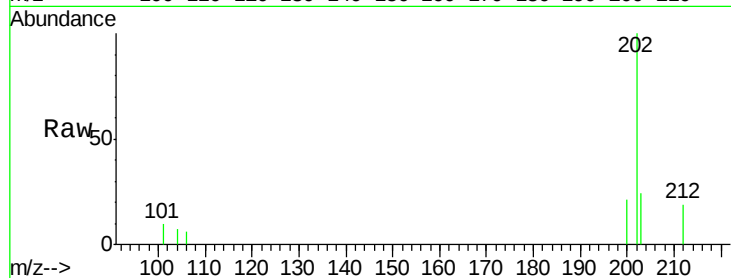




#17
Fluoranthene
 Concen: 0.06 ng/ul
 RT: 20.07 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM002665.D
 Acq: 04 Sep 2015 01:36

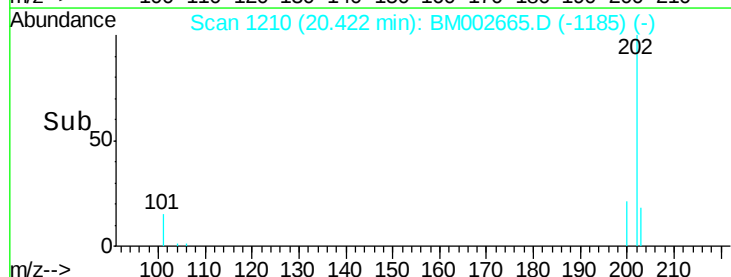
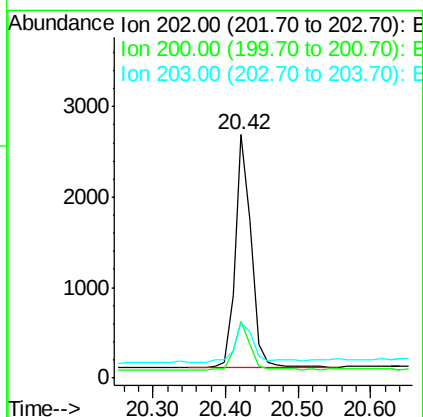
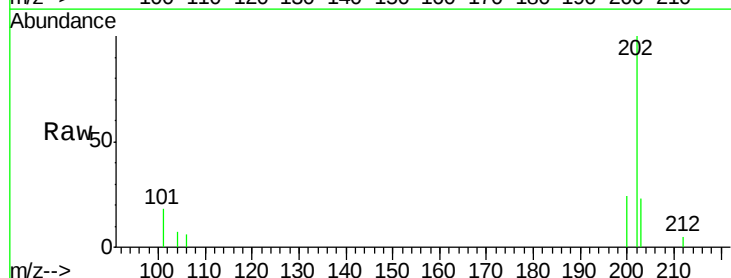
Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

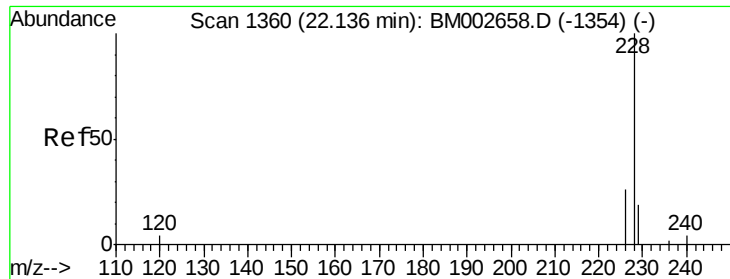
Tot Ion:202 Resp: 3852
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 33.1
 203 24.1 0.0 37.2



#19
Pyrene
 Concen: 0.06 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002665.D
 Acq: 04 Sep 2015 01:36

Tgt Ion:202 Resp: 3985
 Ion Ratio Lower Upper
 202 100
 200 23.5 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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

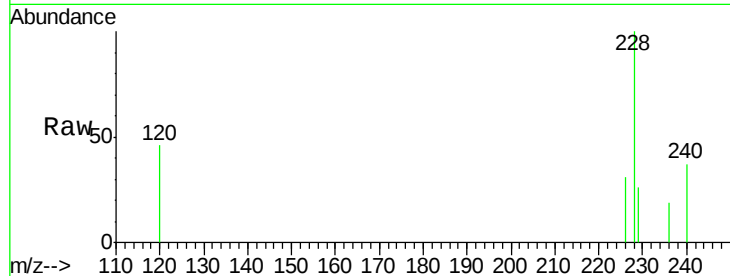
Tot Ion:228 Resp: 3774

Ion Ratio Lower Upper

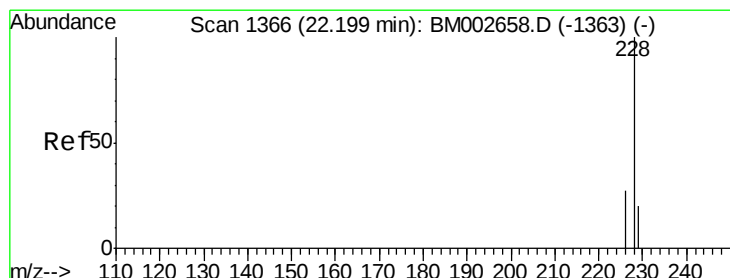
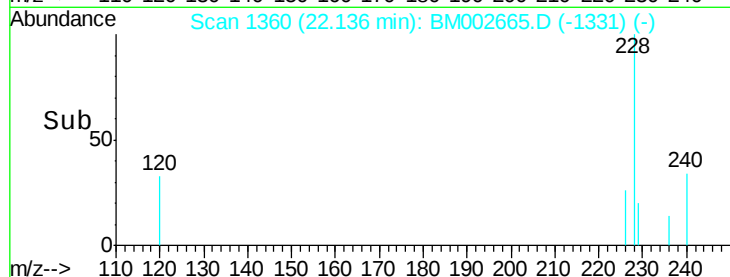
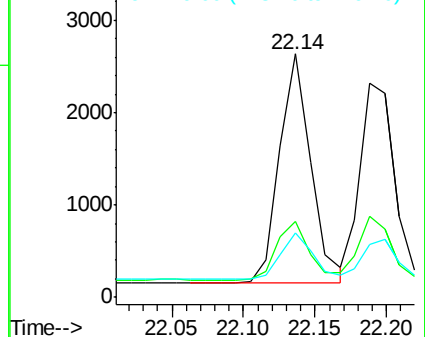
228 100

226 31.4 23.0 34.4

229 26.4 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: 0.06 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002665.D

Acq: 04 Sep 2015 01:36

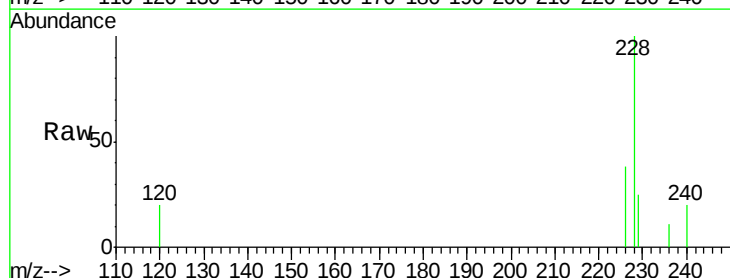
Tgt Ion:228 Resp: 3677

Ion Ratio Lower Upper

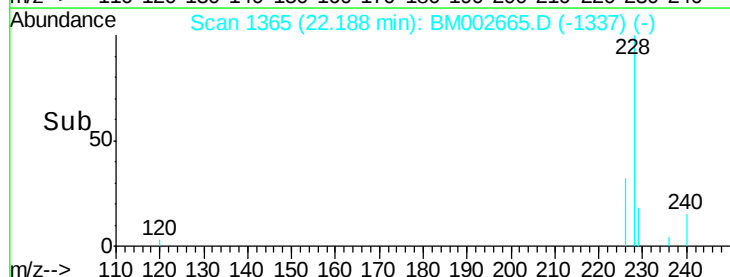
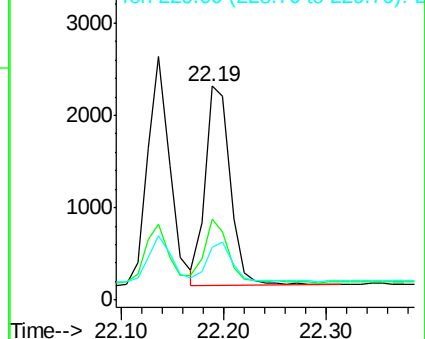
228 100

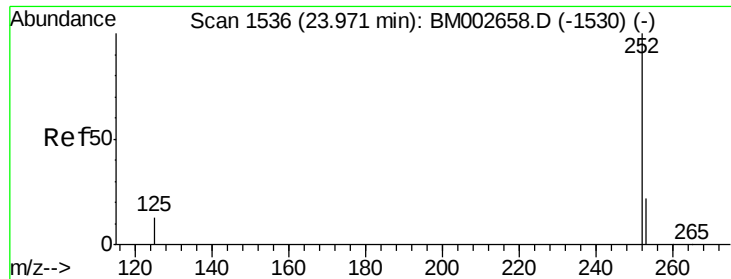
226 37.9 25.7 38.5

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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

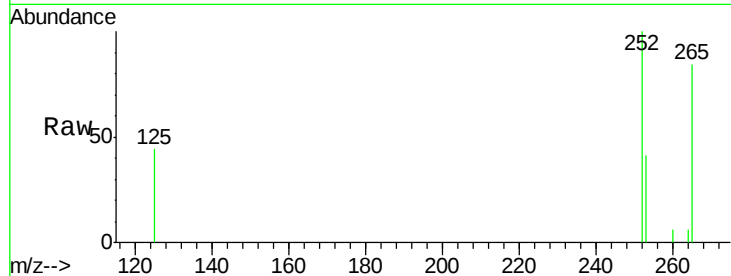
Tot Ion:252 Resp: 4134

Ion Ratio Lower Upper

252 100

253 40.9 0.0 48.0

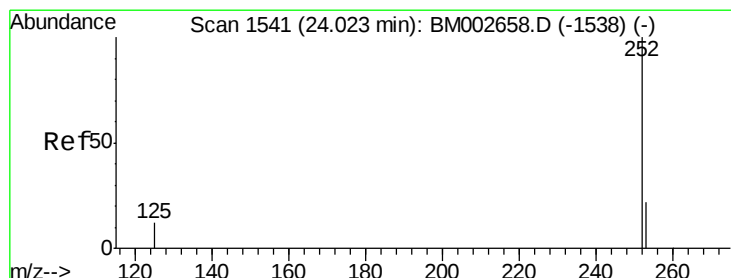
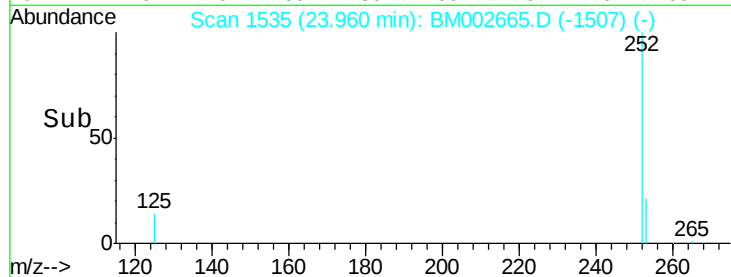
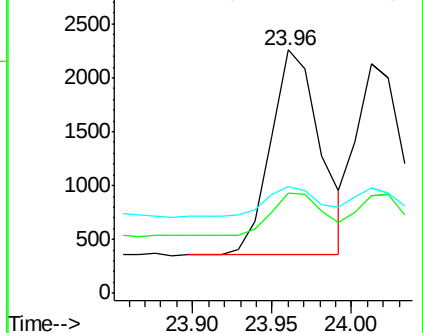
125 43.9 0.0 36.6#



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/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002665.D

Acq: 04 Sep 2015 01:36

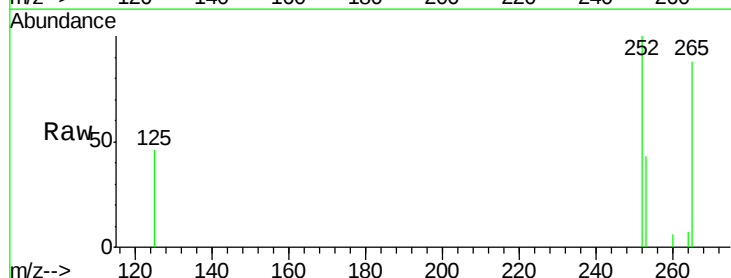
Tgt Ion:252 Resp: 3591

Ion Ratio Lower Upper

252 100

253 42.6 20.8 31.2#

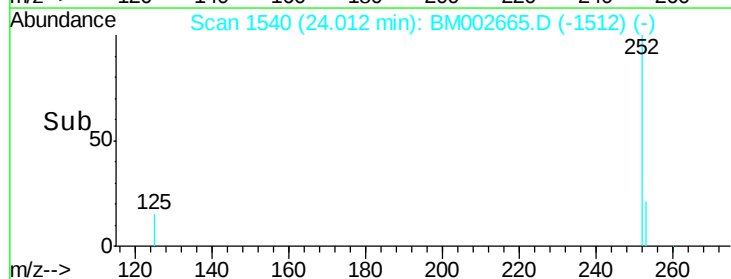
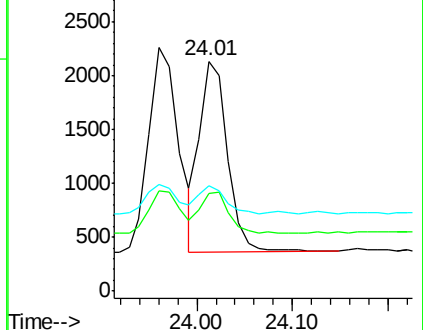
125 45.9 12.2 18.4#

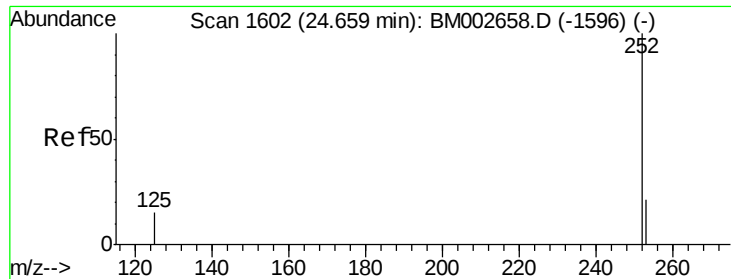


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM002665.D

Acq: 04 Sep 2015 01:36

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

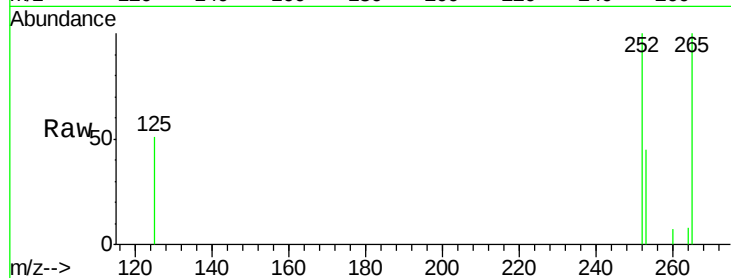
Tot Ion:252 Resp: 3605

Ion Ratio Lower Upper

252 100

253 45.1 21.8 32.8#

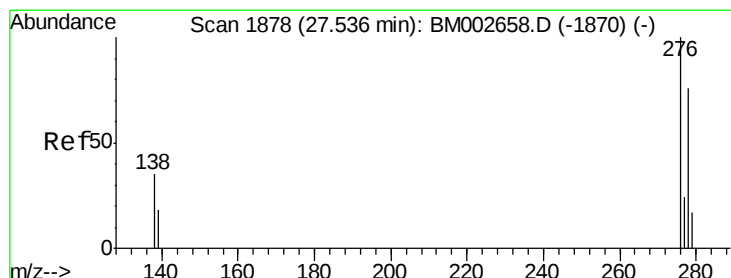
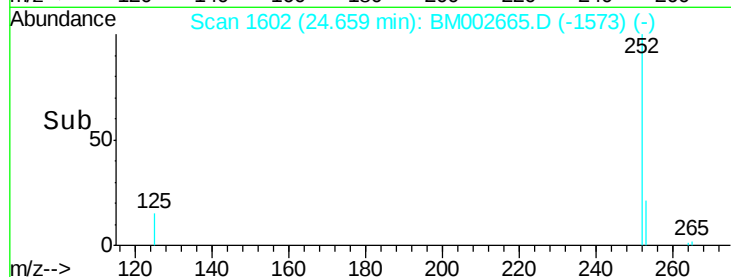
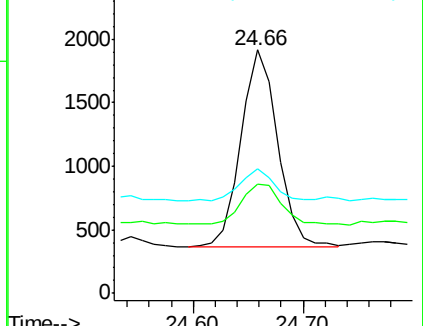
125 50.9 14.5 21.7#



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: BM002665.D

Acq: 04 Sep 2015 01:36

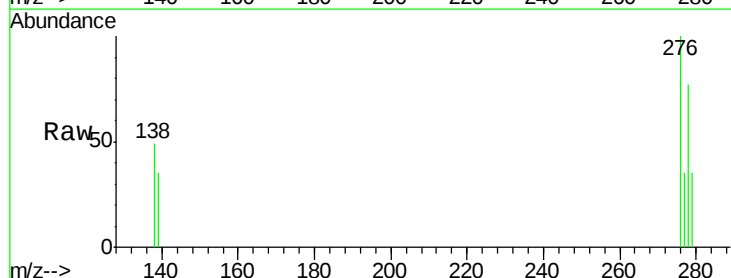
Tgt Ion:276 Resp: 4328

Ion Ratio Lower Upper

276 100

138 35.5 27.5 41.3

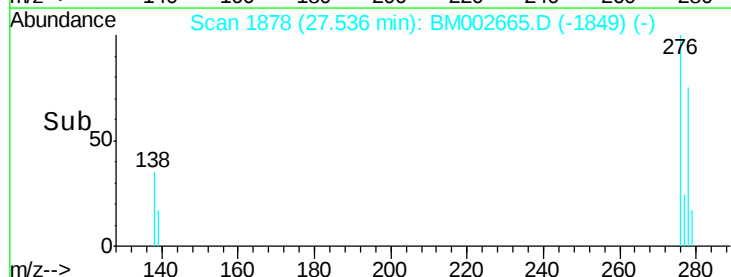
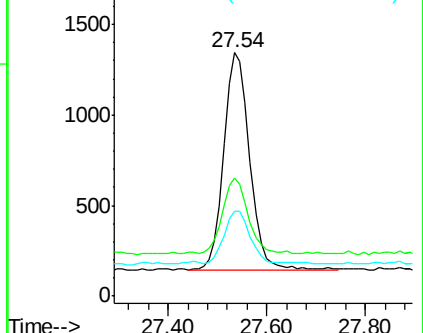
277 25.8 19.3 28.9

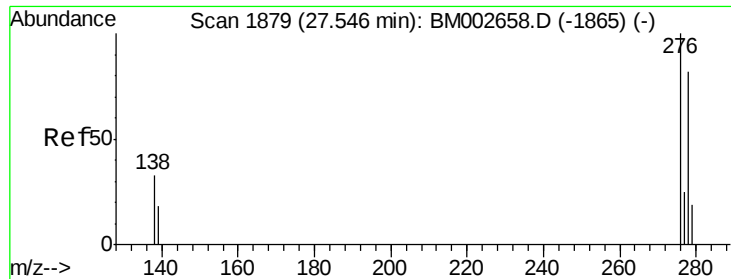


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

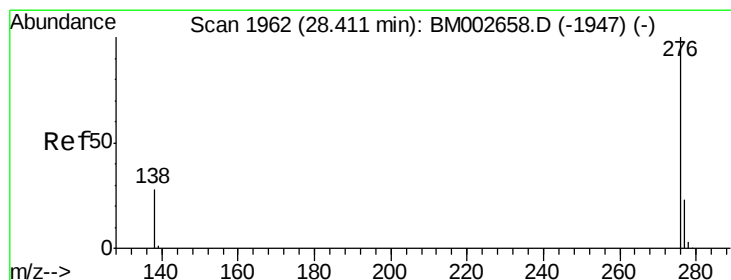
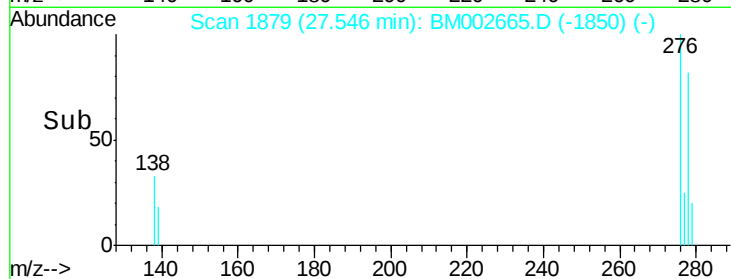
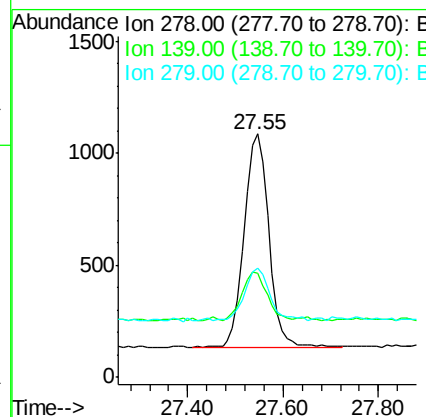
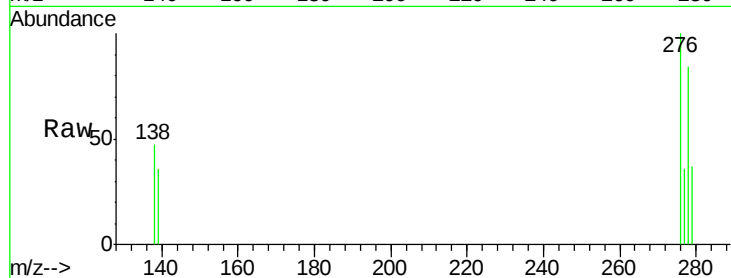




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM002665.D
Acq: 04 Sep 2015 01:36

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Tot Ion:278 Resp: 3454
Ion Ratio Lower Upper
278 100
139 42.8 21.7 32.5#
279 44.7 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: BM002665.D
Acq: 04 Sep 2015 01:36

Tgt Ion:276 Resp: 3682
Ion Ratio Lower Upper
276 100
277 36.5 21.3 31.9#
138 47.1 25.5 38.3#

