

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002657.D
 Acq On : 03 Sep 2015 20:42
 Operator : UM/IZ
 Sample : MDL-07-W
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

Quant Time: Sep 04 04:15:12 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 : Thu Sep 03 14:33:37 2015
 Response via : Initial Calibration

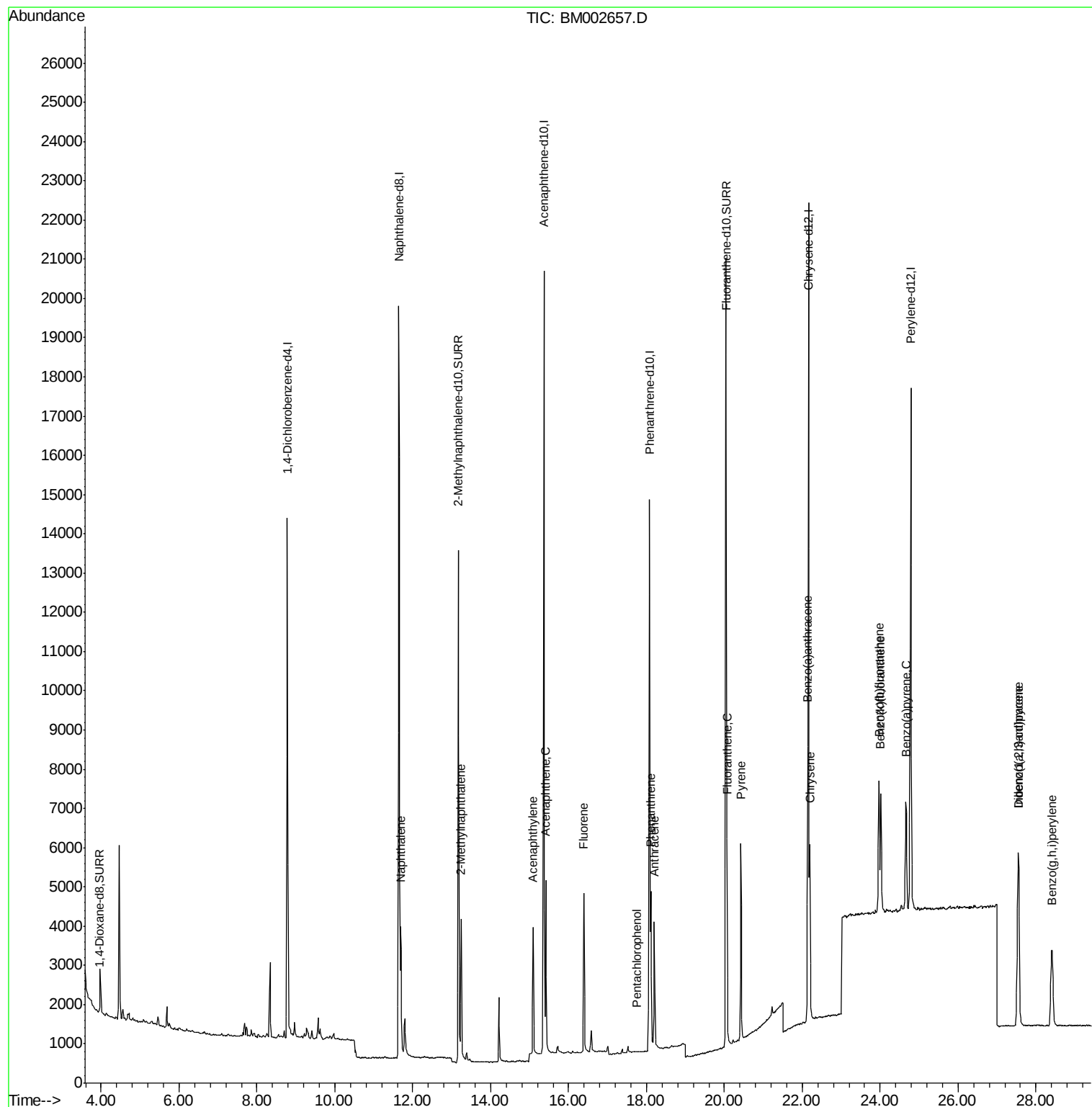
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	8149	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	30392	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	12426	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	22985	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	21610	0.40	ng/ul	0.00
22) Perylene-d12	24.78	264	21209	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.94	96	36	0.00	ng/uL	0.12
6) 2-Methylnaphthalene-d10	13.17	152	17482	0.43	ng/ul	0.00
16) Fluoranthene-d10	20.05	212	26988	0.51	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.69	128	4745	0.06	ng/ul	95
7) 2-Methylnaphthalene	13.25	142	3547	0.07	ng/ul	93
9) Acenaphthylene	15.09	152	4157	0.06	ng/ul	98
10) Acenaphthene	15.42	153	2784	0.06	ng/ul	97
11) Fluorene	16.39	166	2984	0.06	ng/ul#	94
13) Pentachlorophenol	17.75	266	33	0.01	ng/ul#	26
14) Phenanthrene	18.11	178	4439	0.06	ng/ul	96
15) Anthracene	18.20	178	4266	0.06	ng/ul	95
17) Fluoranthene	20.07	202	5067	0.07	ng/ul	90
19) Pyrene	20.42	202	5154	0.06	ng/ul#	93
20) Benzo(a)anthracene	22.14	228	4890	0.07	ng/ul#	92
21) Chrysene	22.20	228	4717	0.07	ng/ul#	92
23) Benzo(b)fluoranthene	23.97	252	5336	0.07	ng/ul#	58
24) Benzo(k)fluoranthene	24.01	252	4788	0.07	ng/ul#	57
25) Benzo(a)pyrene	24.66	252	4704	0.07	ng/ul#	54
26) Indeno(1,2,3-cd)pyrene	27.55	276	5578	0.07	ng/ul	96
27) Dibenzo(a,h)anthracene	27.55	278	4526	0.07	ng/ul#	74
28) Benzo(a,h,i)perylene	28.41	276	4768	0.07	ng/ul#	79

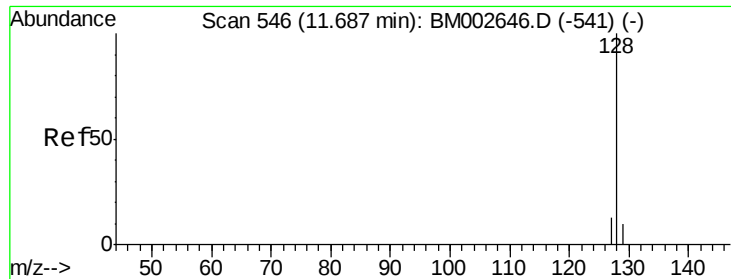
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

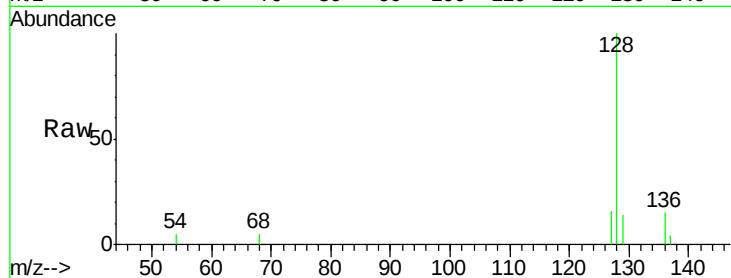
Tot Ion:128 Resp: 4745

Ion Ratio Lower Upper

128 100

129 14.2 9.8 14.8

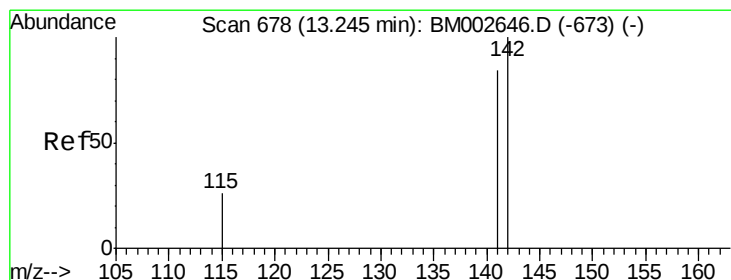
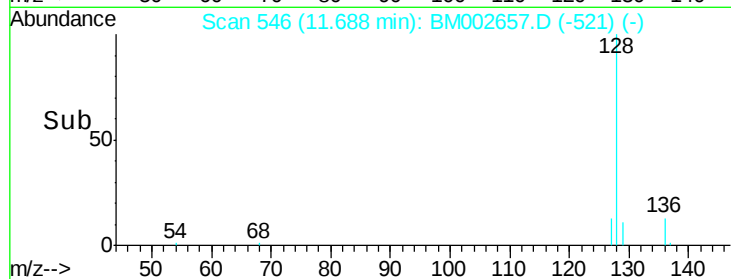
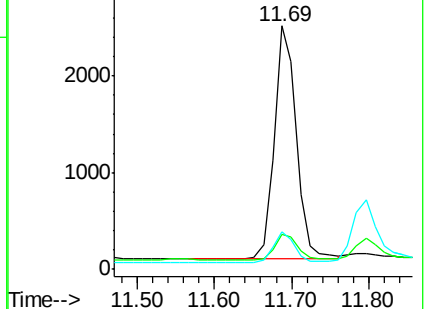
127 15.5 10.7 16.1



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: 0.07 ng/ul

RT: 13.25 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM002657.D

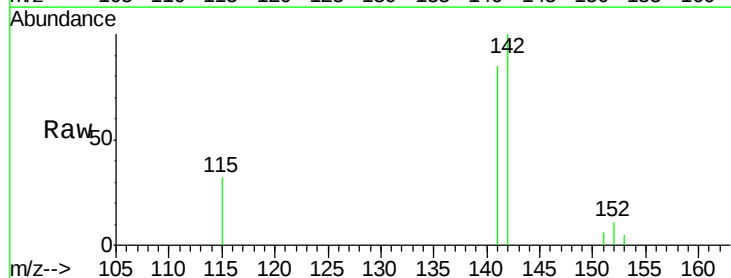
Acq: 03 Sep 2015 20:42

Tgt Ion:142 Resp: 3547

Ion Ratio Lower Upper

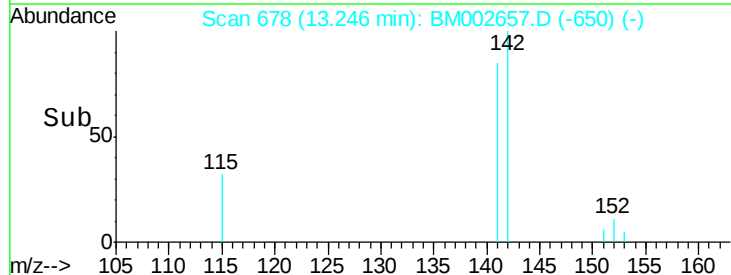
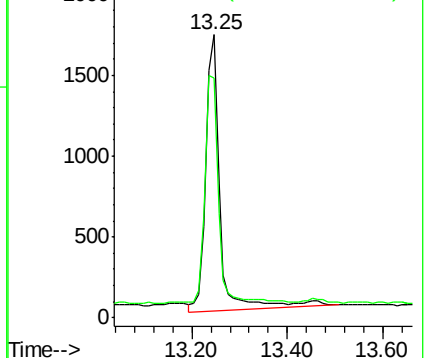
142 100

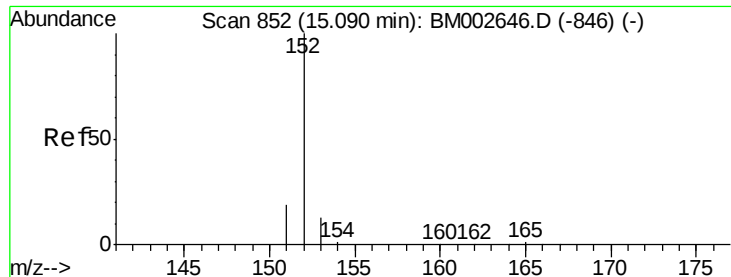
141 94.0 70.3 105.5



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: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

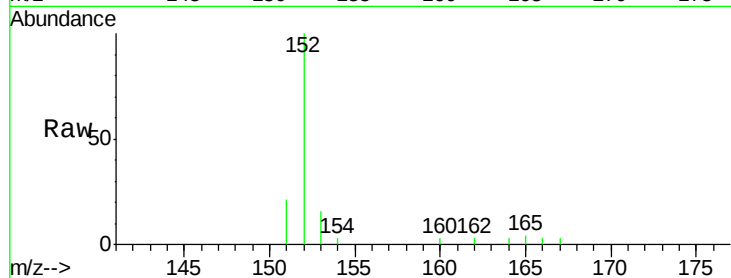
Tot Ion:152 Resp: 4157

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

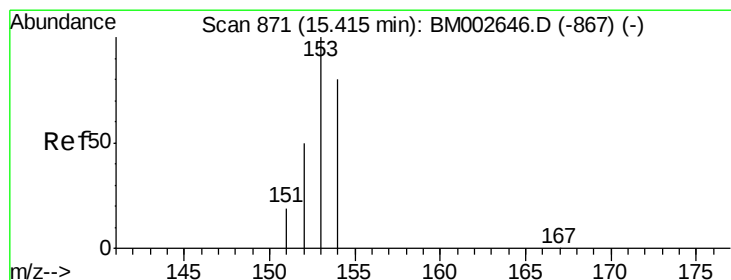
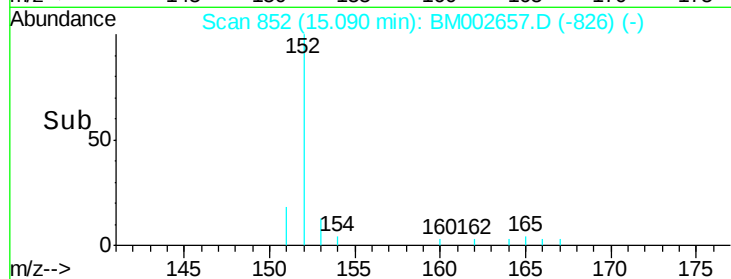
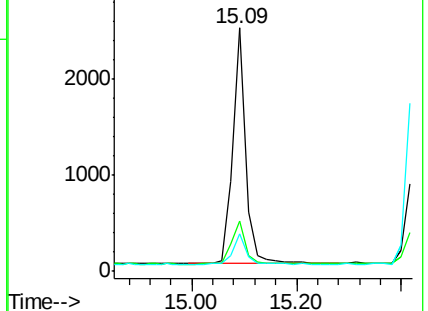
153 15.6 11.3 16.9



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: BM002657.D

Acq: 03 Sep 2015 20:42

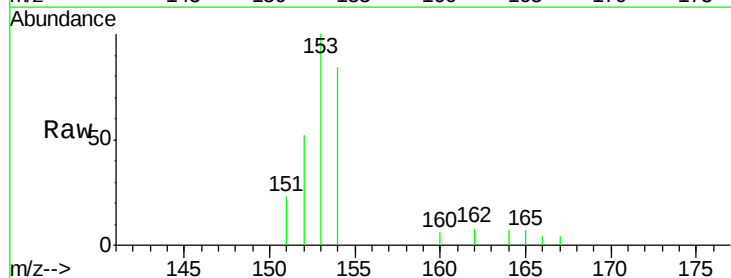
Tgt Ion:153 Resp: 2784

Ion Ratio Lower Upper

153 100

152 52.0 42.3 63.5

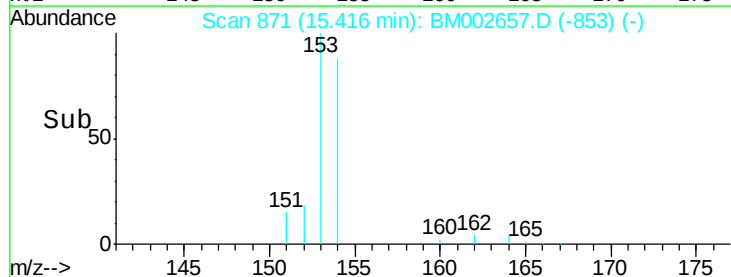
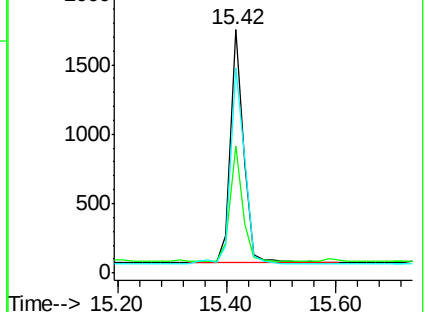
154 84.4 64.7 97.1

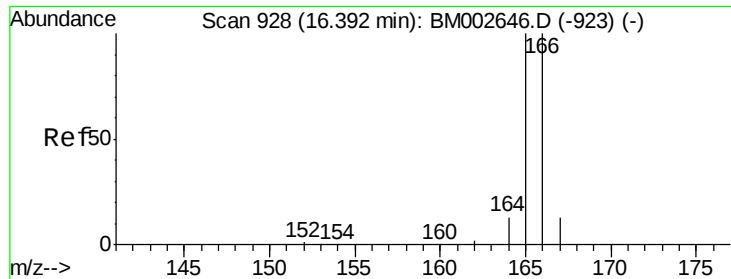


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

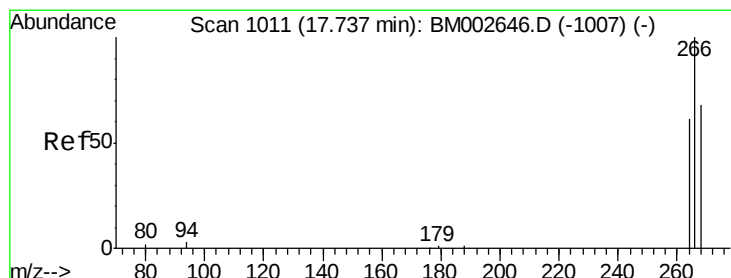
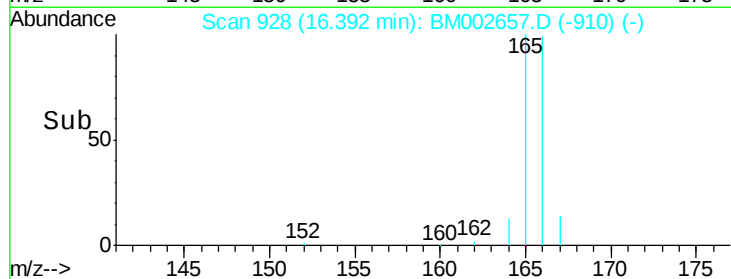
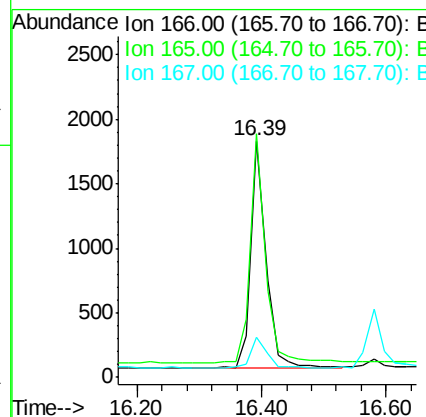
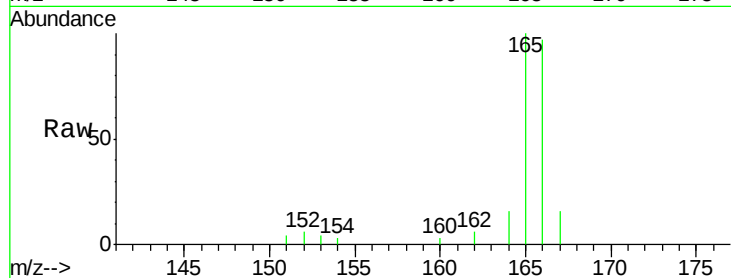




#11
Fluorene
 Concen: 0.06 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002657.D
 Acq: 03 Sep 2015 20:42

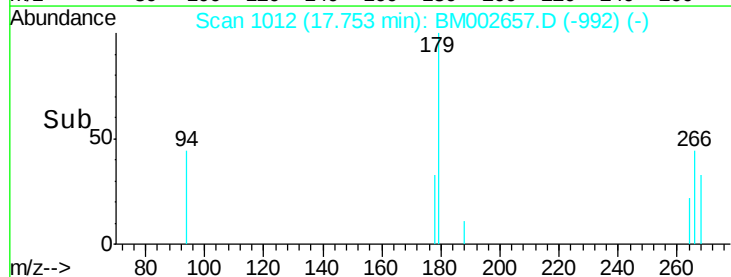
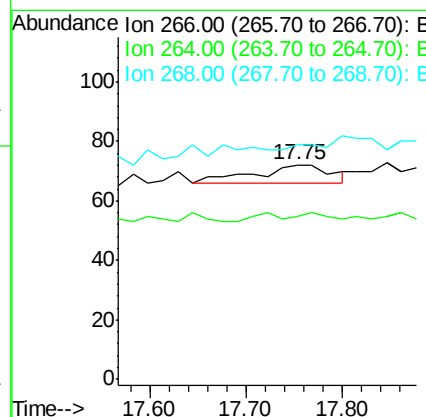
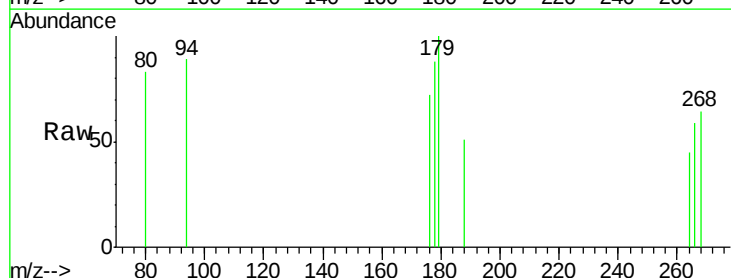
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

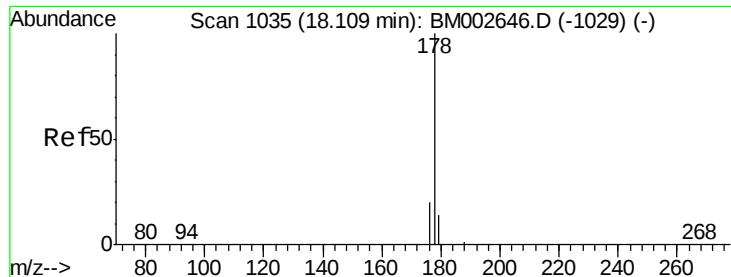
Tot Ion:166 Resp: 2984
 Ion Ratio Lower Upper
 166 100
 165 103.0 87.6 131.4
 167 16.9 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.75 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM002657.D
 Acq: 03 Sep 2015 20:42

Tgt Ion:266 Resp: 33
 Ion Ratio Lower Upper
 266 100
 264 15.2 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: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

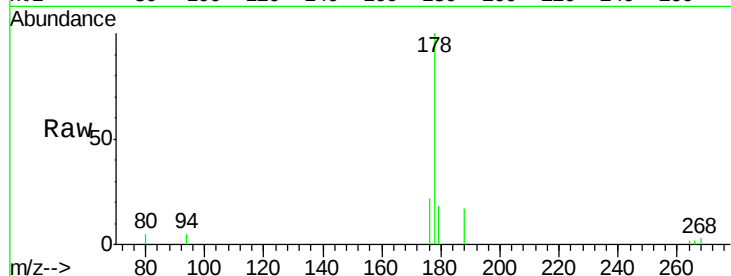
Tot Ion:178 Resp: 4439

Ion Ratio Lower Upper

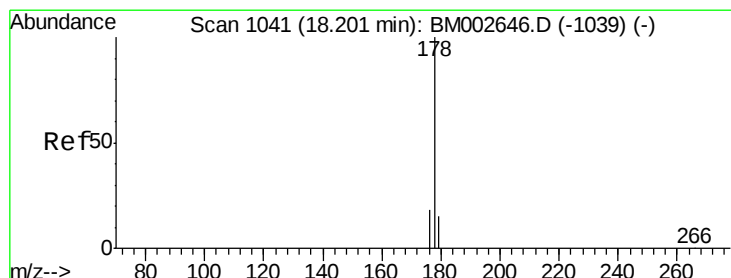
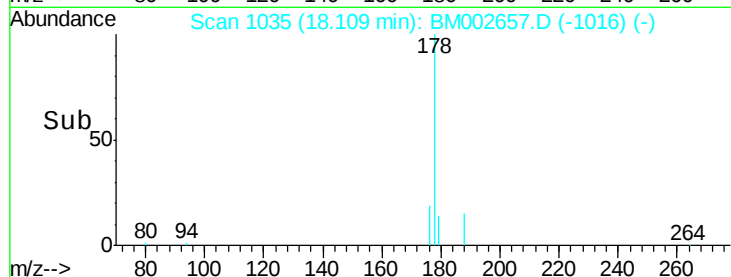
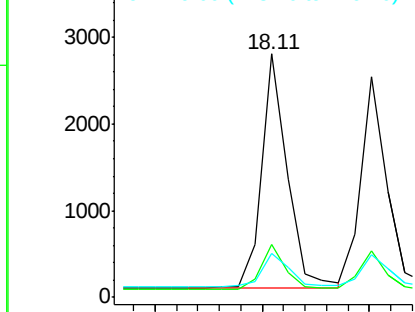
178 100

176 21.8 16.2 24.4

179 18.3 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: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

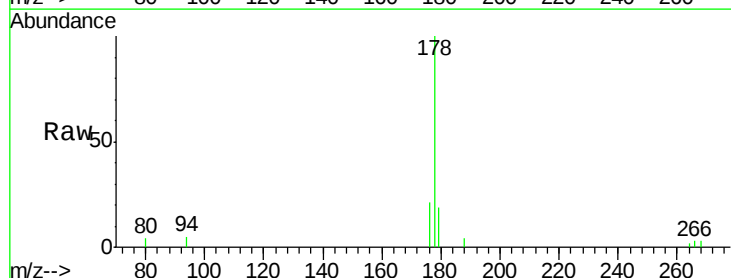
Tgt Ion:178 Resp: 4266

Ion Ratio Lower Upper

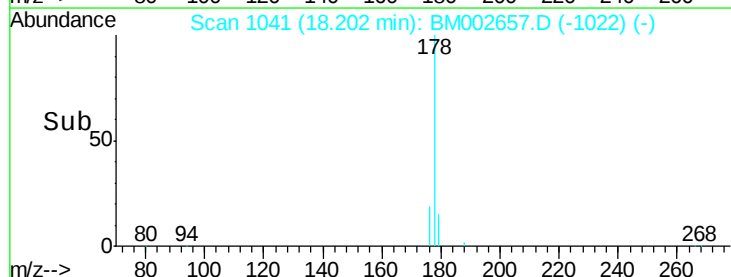
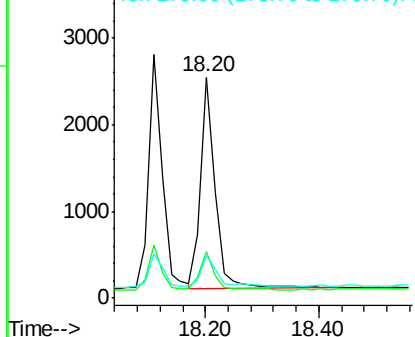
178 100

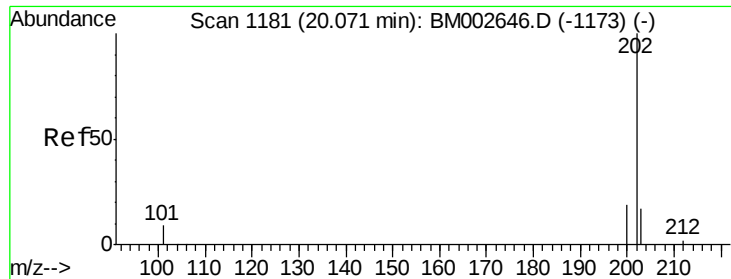
176 21.3 15.8 23.8

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

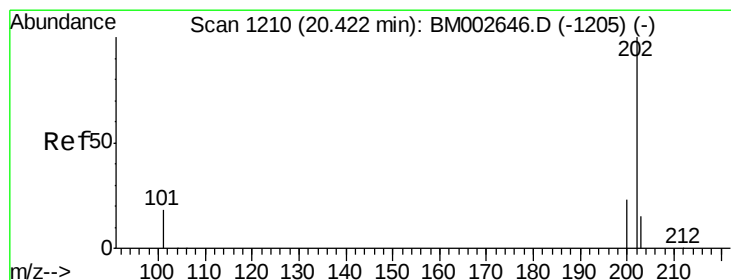
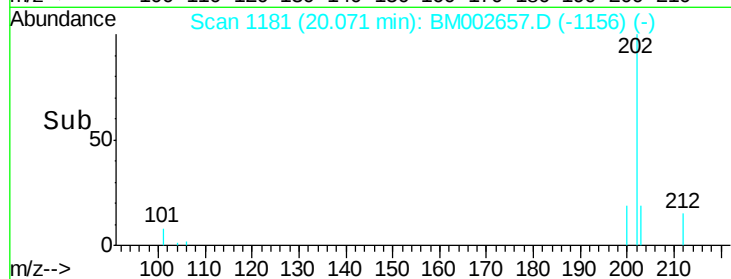
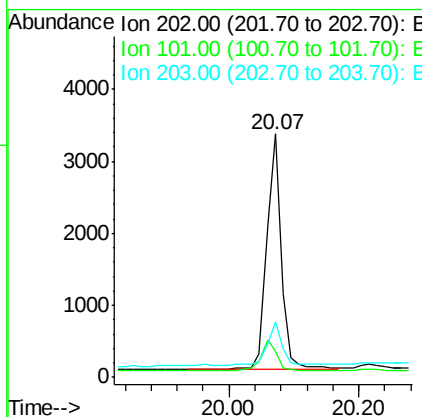
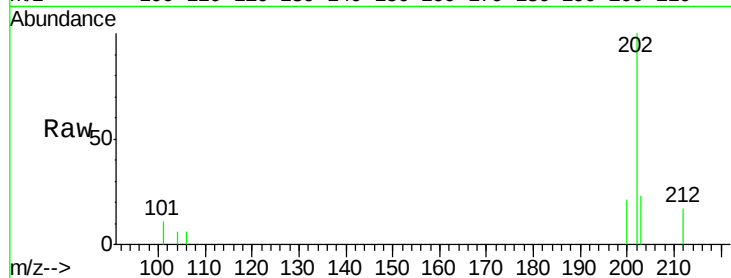




#17
Fluoranthene
 Concen: 0.07 ng/ul
 RT: 20.07 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM002657.D
 Acq: 03 Sep 2015 20:42

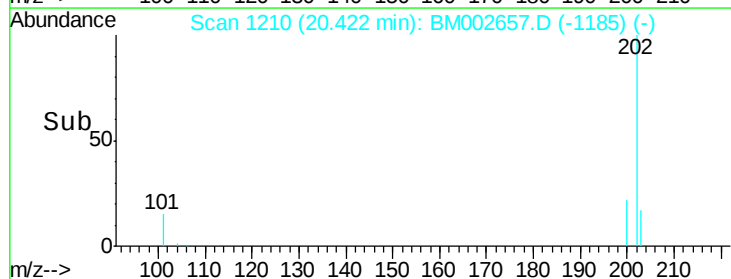
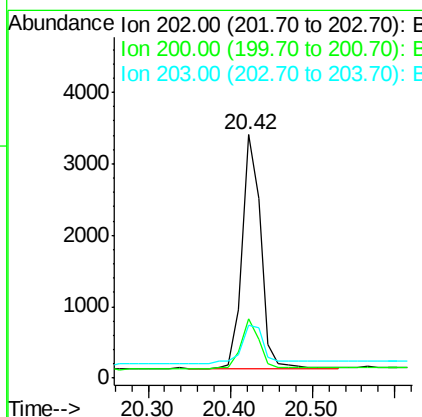
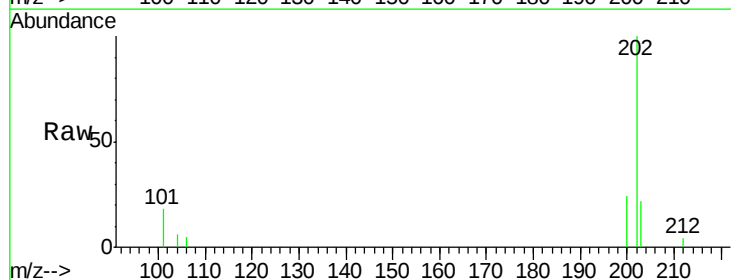
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

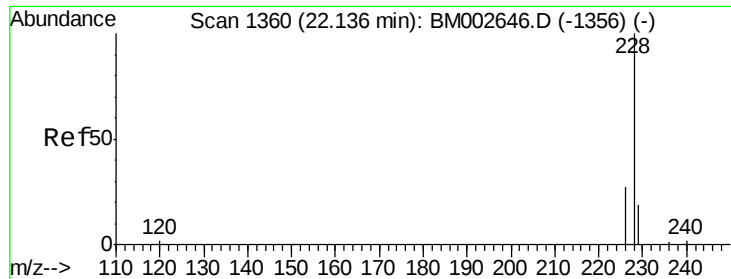
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.1
203	22.9	0.0	37.2



#19
Pyrene
 Concen: 0.06 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002657.D
 Acq: 03 Sep 2015 20:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.3	18.0	27.0
203	21.7	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

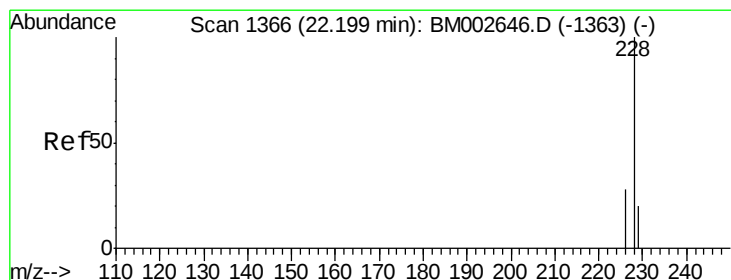
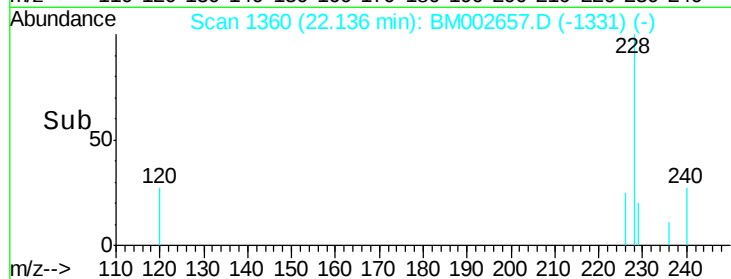
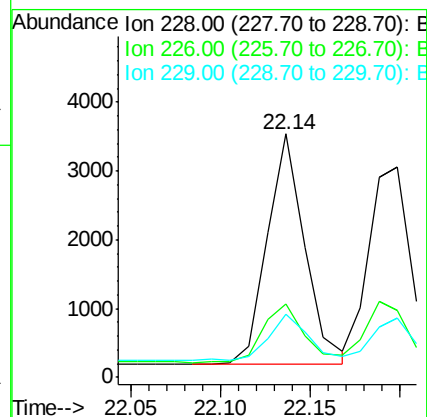
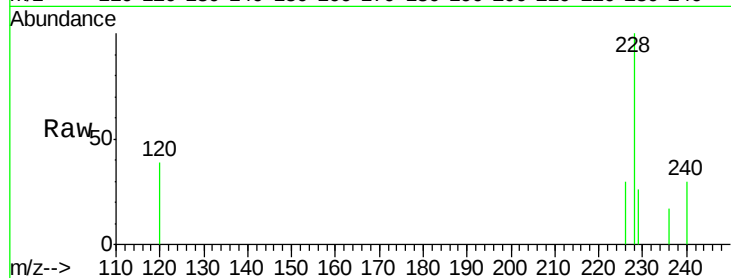
Tot Ion:228 Resp: 4890

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.4

229 25.8 15.2 22.8#



#21

Chrysene

Concen: 0.07 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

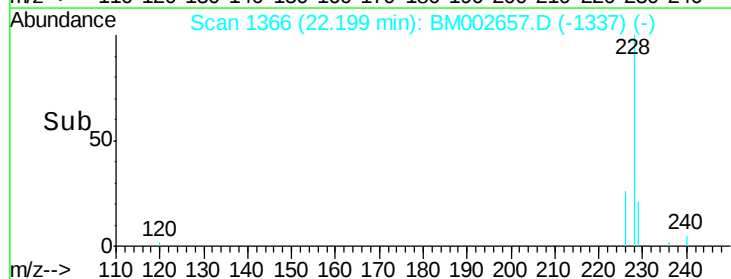
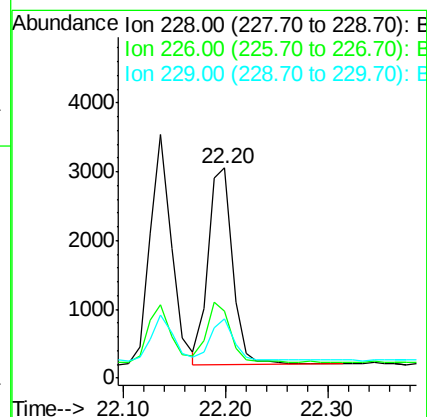
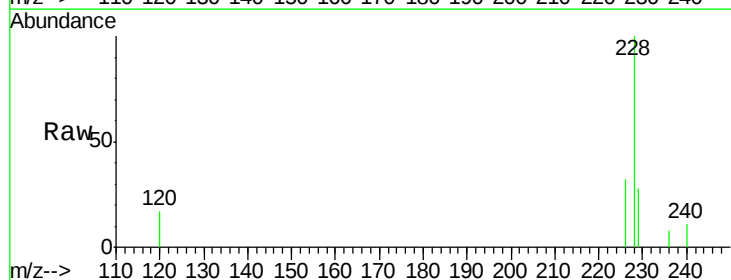
Tgt Ion:228 Resp: 4717

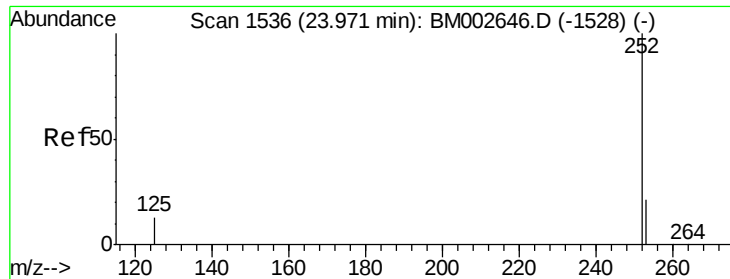
Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

229 28.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

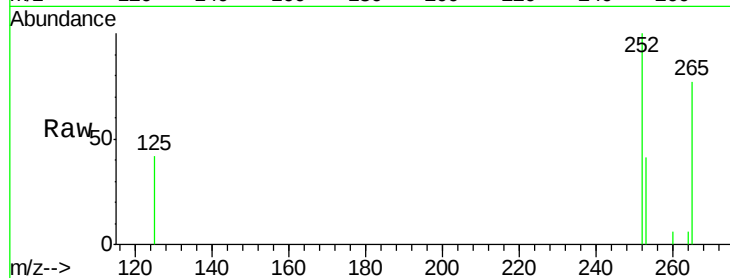
Tot Ion:252 Resp: 5336

Ion Ratio Lower Upper

252 100

253 40.5 0.0 48.0

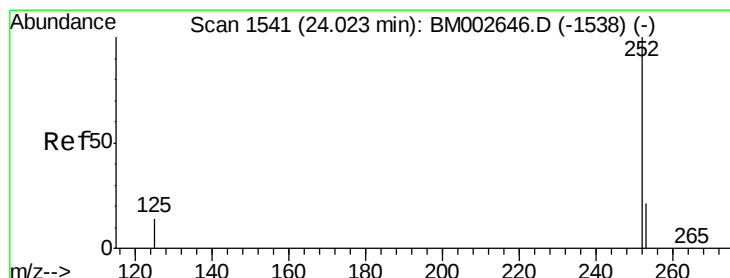
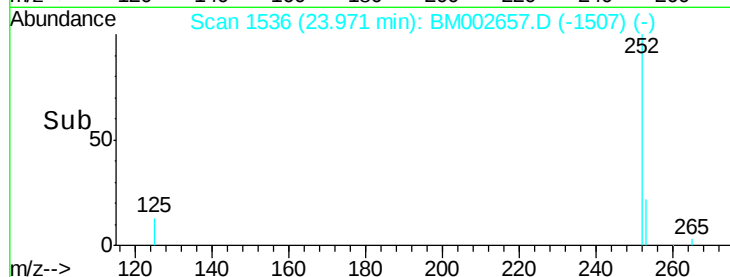
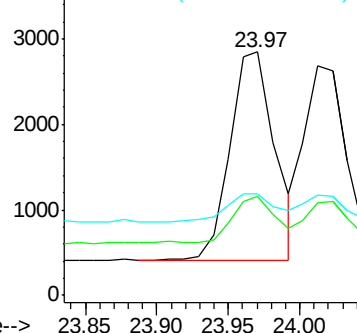
125 41.6 0.0 36.6#



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: 0.07 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

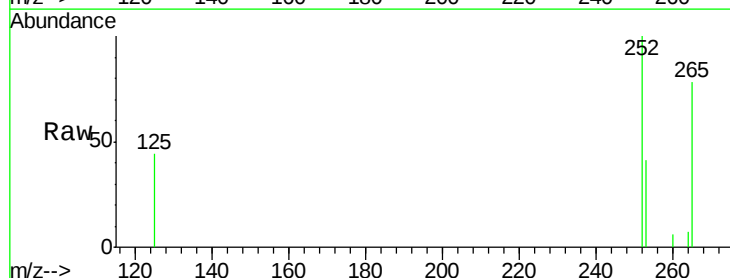
Tgt Ion:252 Resp: 4788

Ion Ratio Lower Upper

252 100

253 40.6 20.8 31.2#

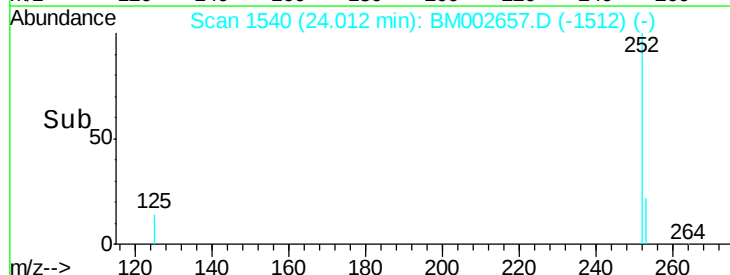
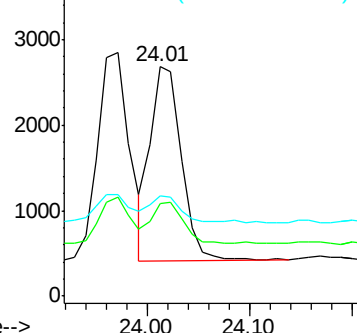
125 43.8 12.2 18.4#

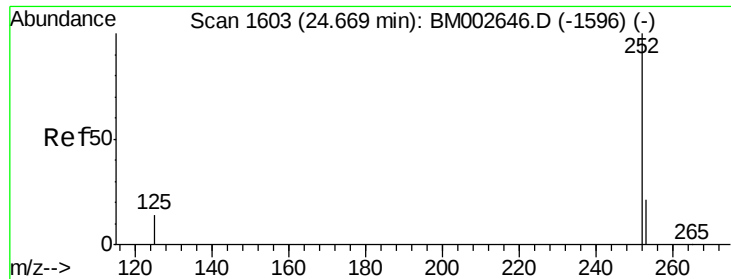


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 24.66 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

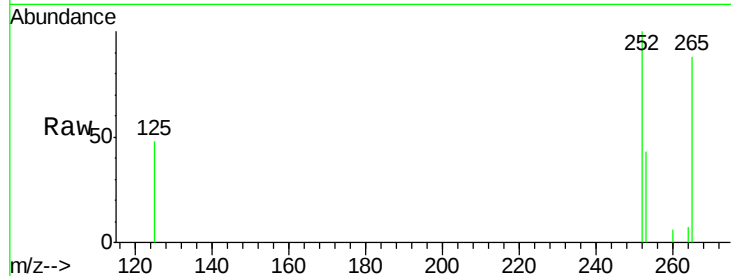
Tot Ion:252 Resp: 4704

Ion Ratio Lower Upper

252 100

253 43.4 21.8 32.8#

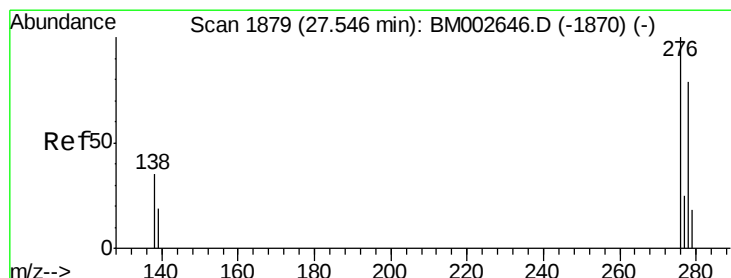
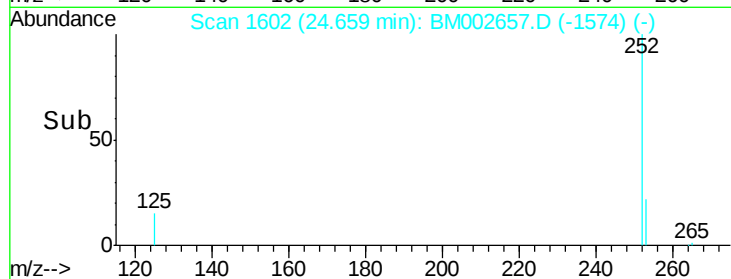
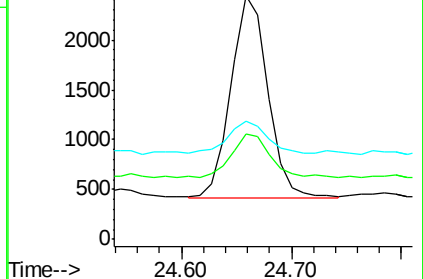
125 48.5 14.5 21.7#



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: 27.55 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BM002657.D

Acq: 03 Sep 2015 20:42

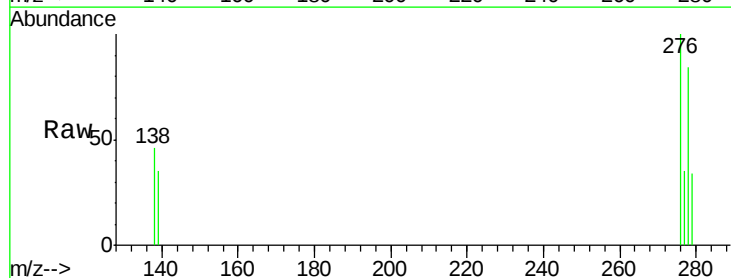
Tgt Ion:276 Resp: 5578

Ion Ratio Lower Upper

276 100

138 35.2 27.5 41.3

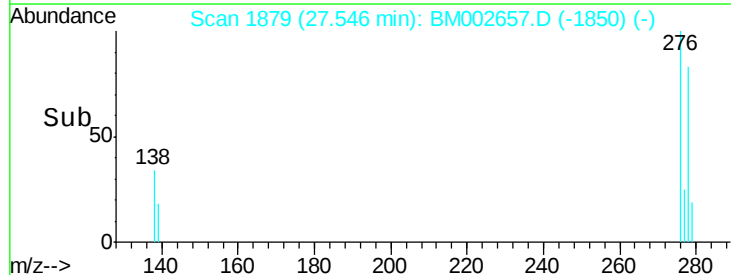
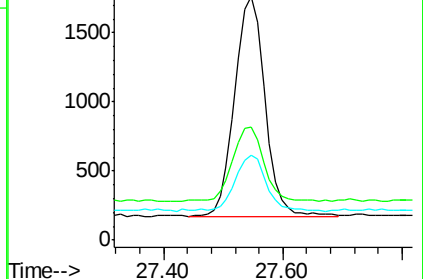
277 27.4 19.3 28.9

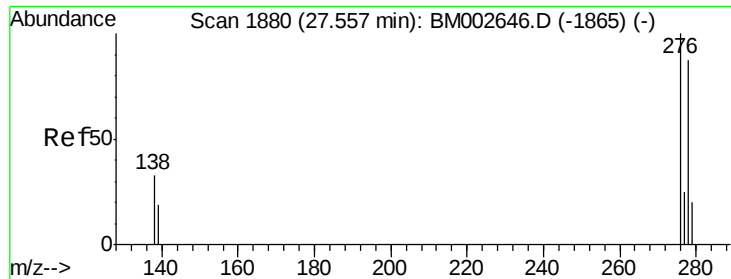


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

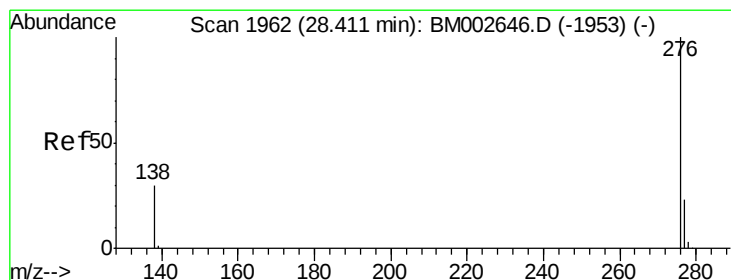
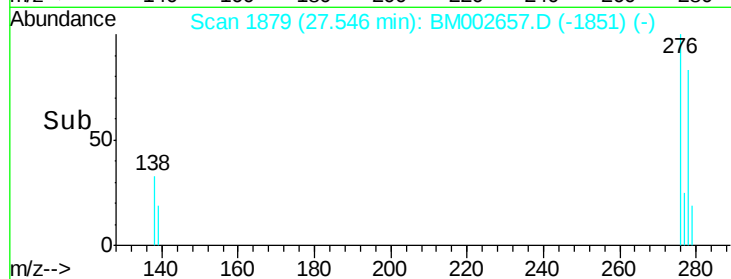
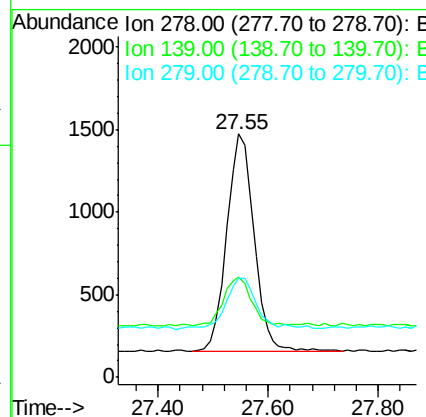
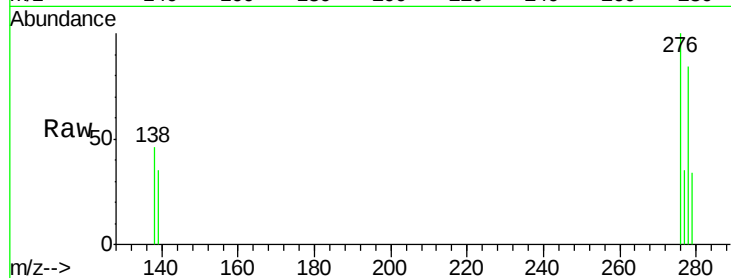




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BM002657.D
Acq: 03 Sep 2015 20:42

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

Tot Ion:278 Resp: 4526
Ion Ratio Lower Upper
278 100
139 41.2 21.7 32.5#
279 40.5 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 28.41 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BM002657.D
Acq: 03 Sep 2015 20:42

Tgt Ion:276 Resp: 4768
Ion Ratio Lower Upper
276 100
277 35.8 21.3 31.9#
138 44.7 25.5 38.3#

