

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002663.D
 Acq On : 04 Sep 2015 00:23
 Operator : UM/IZ
 Sample : MDL-04-S
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

Quant Time: Sep 04 04:38:16 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	6248	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	22924	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	9355	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	17900	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	16993	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	16645	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.90	96	35	0.01	ng/uL	0.08
6) 2-Methylnaphthalene-d10	13.17	152	14496	0.47	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	22801	0.56	ng/ul	-0.01

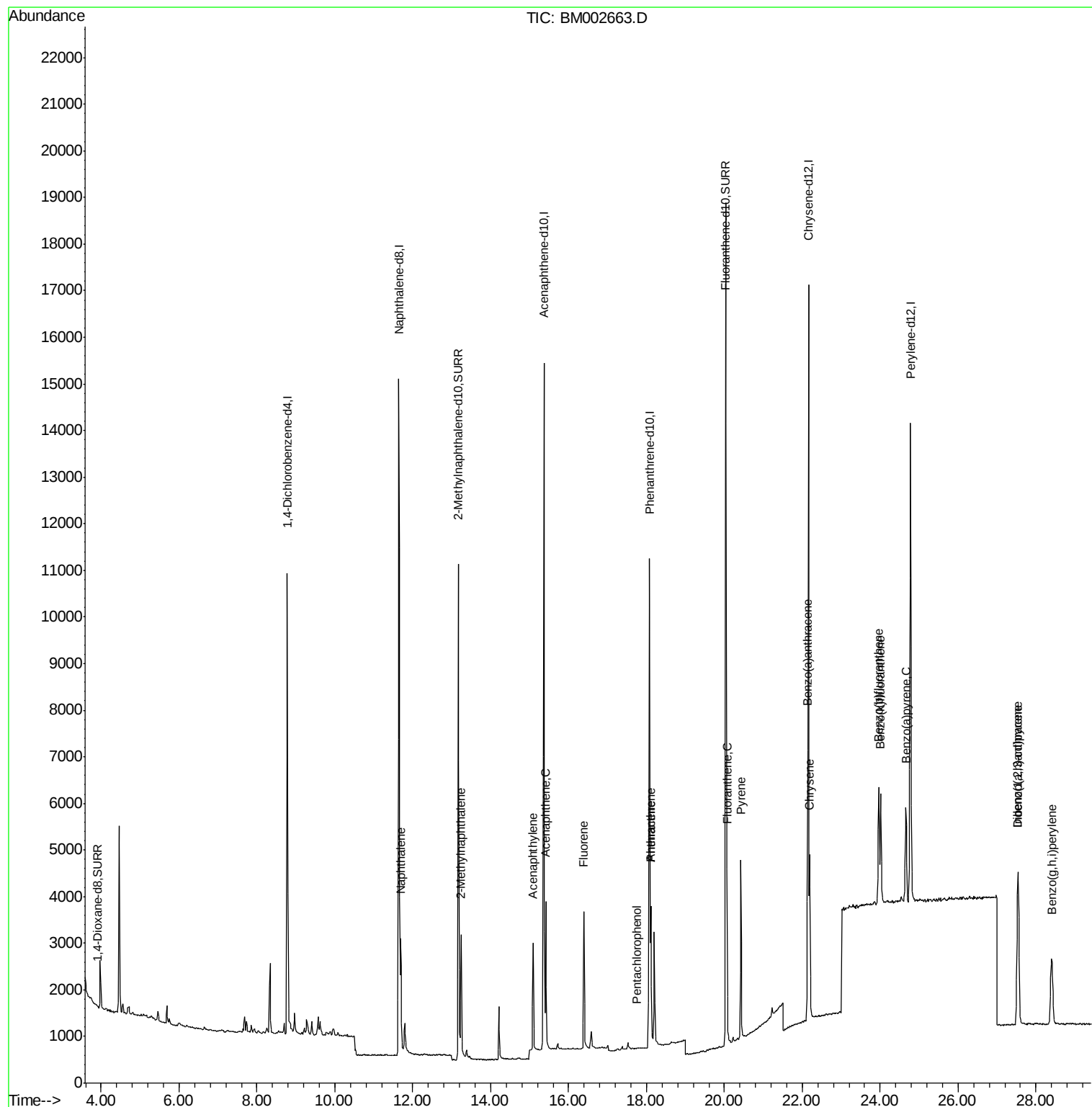
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.69	128	3420	0.06	ng/ul	94
7) 2-Methylnaphthalene	13.25	142	2462	0.06	ng/ul	85
9) Acenaphthylene	15.09	152	3041	0.06	ng/ul	98
10) Acenaphthene	15.42	153	2019	0.06	ng/ul	97
11) Fluorene	16.39	166	2212	0.06	ng/ul#	90
13) Pentachlorophenol	17.75	266	29	0.02	ng/ul#	16
14) Phenanthrene	18.11	178	3288	0.06	ng/ul#	93
15) Anthracene	18.11	178	3288	0.06	ng/ul	93
17) Fluoranthene	20.07	202	3773	0.07	ng/ul	88
19) Pyrene	20.42	202	3853	0.06	ng/ul#	92
20) Benzo(a)anthracene	22.14	228	3591	0.06	ng/ul#	91
21) Chrysene	22.19	228	3462	0.06	ng/ul#	89
23) Benzo(b)fluoranthene	23.96	252	4016	0.07	ng/ul#	52
24) Benzo(k)fluoranthene	24.01	252	3374	0.06	ng/ul#	52
25) Benzo(a)pyrene	24.66	252	3421	0.06	ng/ul#	46
26) Indeno(1,2,3-cd)pyrene	27.54	276	4219	0.06	ng/ul	98
27) Dibenzo(a,h)anthracene	27.54	278	3291	0.06	ng/ul#	68
28) Benzo(a,h,i)perylene	28.40	276	3507	0.06	ng/ul#	71

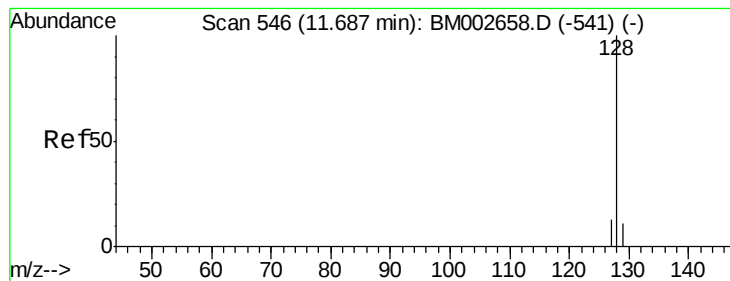
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

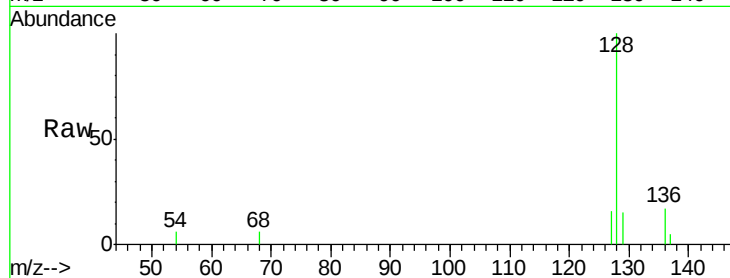
Tot Ion:128 Resp: 3420

Ion Ratio Lower Upper

128 100

129 14.5 9.8 14.8

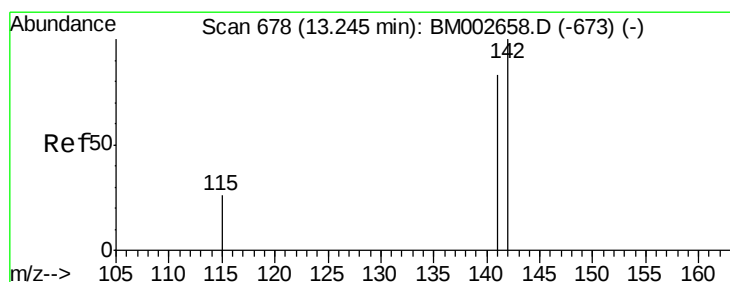
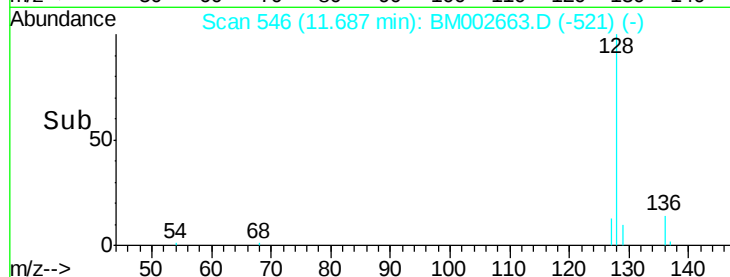
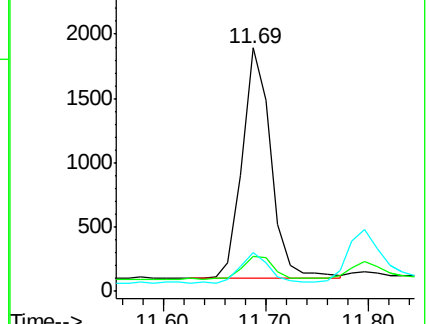
127 15.8 10.7 16.1



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: 13.25 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM002663.D

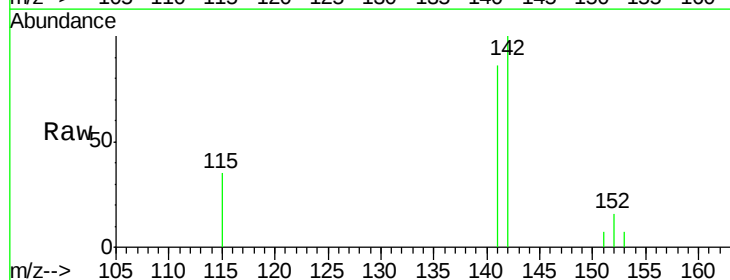
Acq: 04 Sep 2015 00:23

Tgt Ion:142 Resp: 2462

Ion Ratio Lower Upper

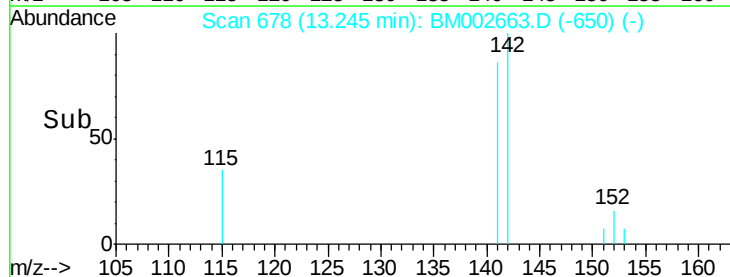
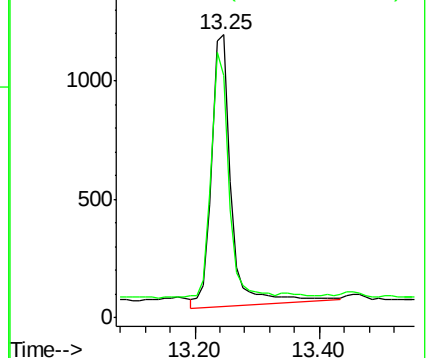
142 100

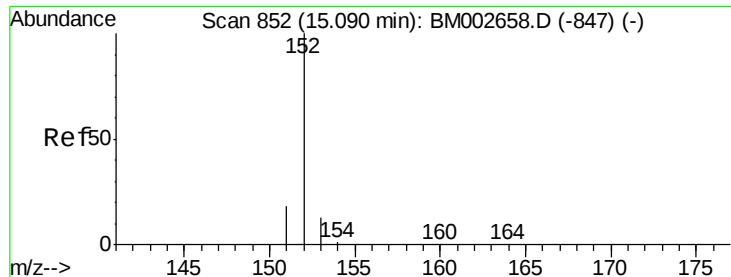
141 102.2 70.3 105.5



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: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

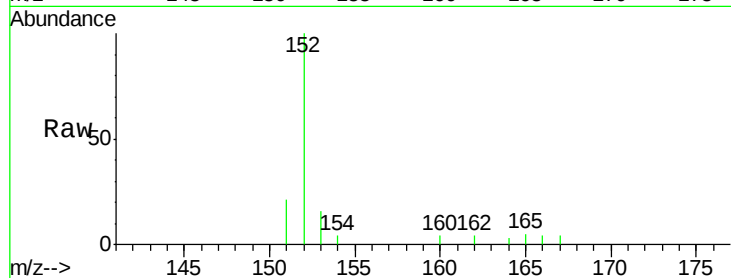
Tot Ion:152 Resp: 3041

Ion Ratio Lower Upper

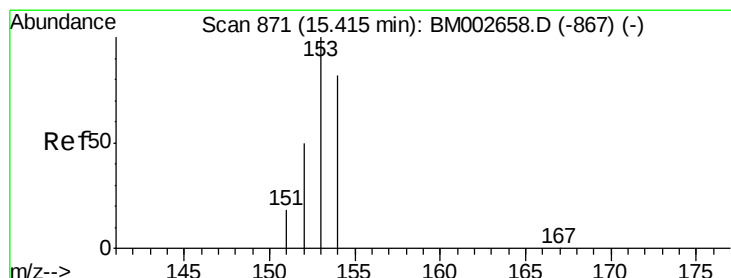
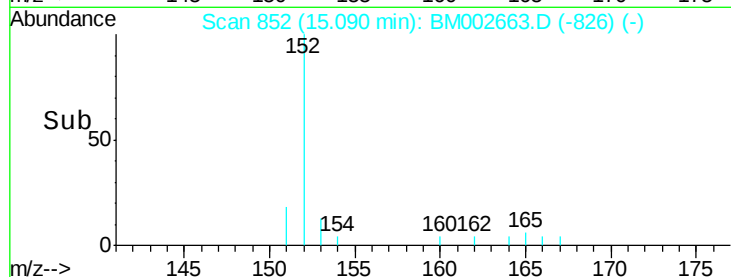
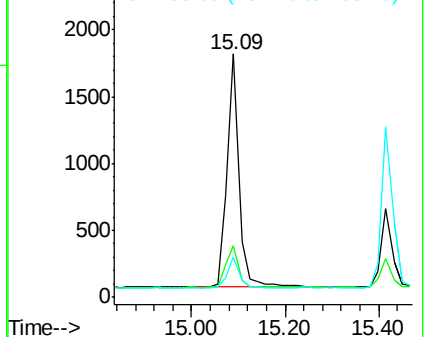
152 100

151 21.1 16.8 25.2

153 16.4 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: BM002663.D

Acq: 04 Sep 2015 00:23

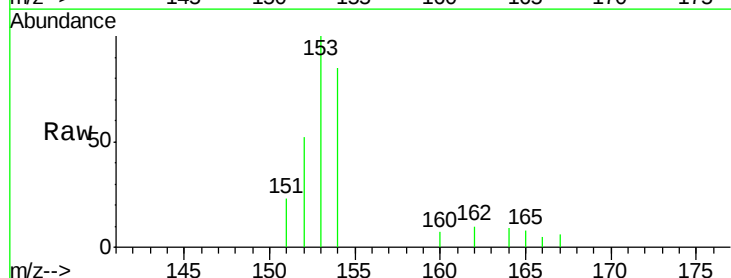
Tgt Ion:153 Resp: 2019

Ion Ratio Lower Upper

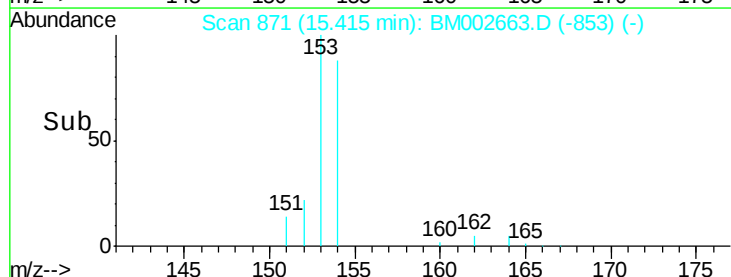
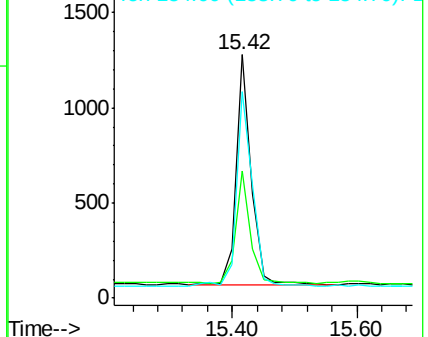
153 100

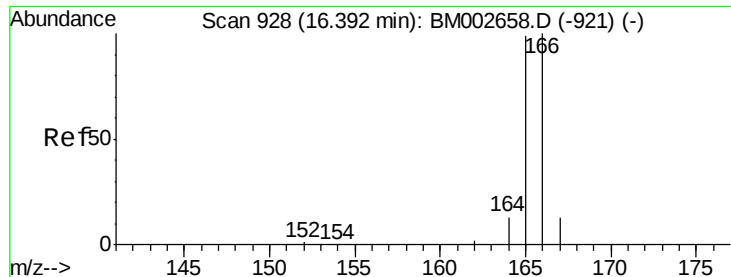
152 52.2 42.3 63.5

154 84.7 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

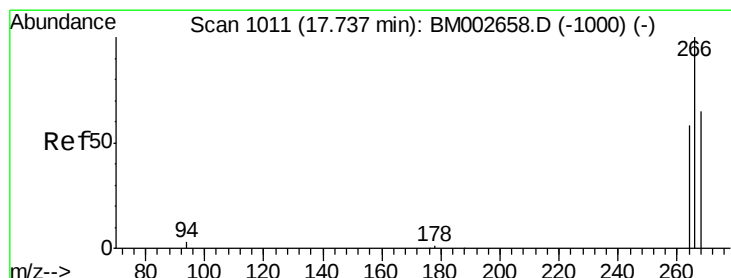
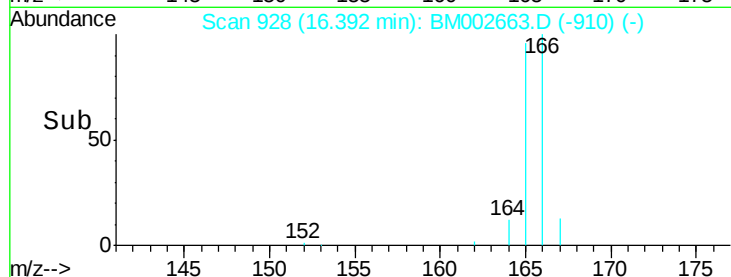
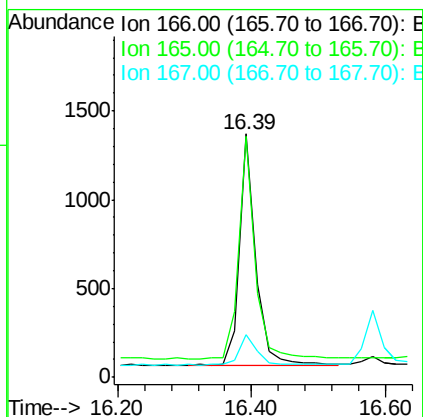
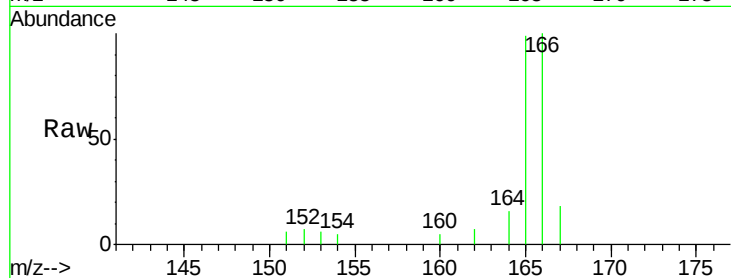




#11
Fluorene
 Concen: 0.06 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002663.D
 Acq: 04 Sep 2015 00:23

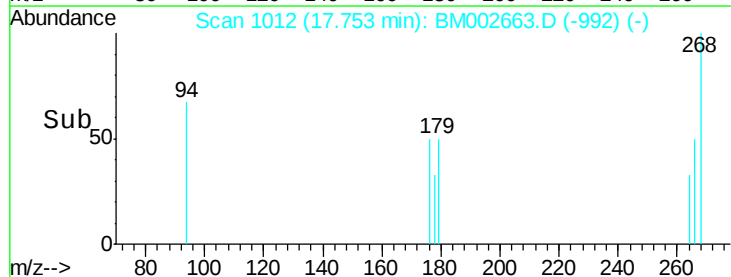
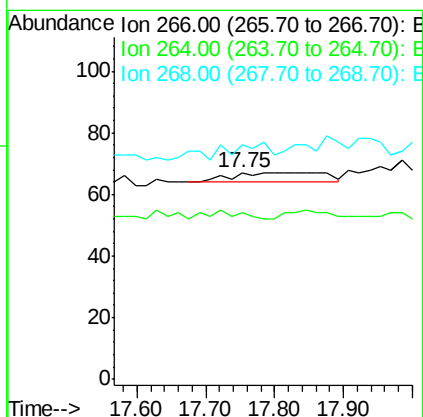
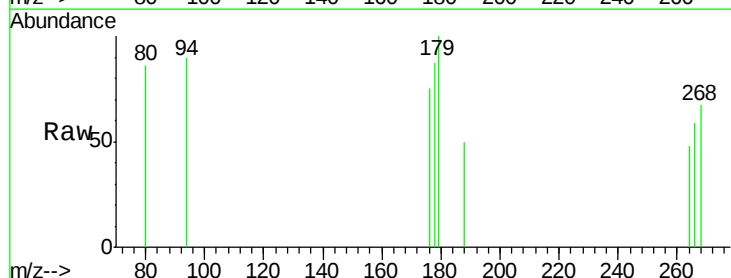
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

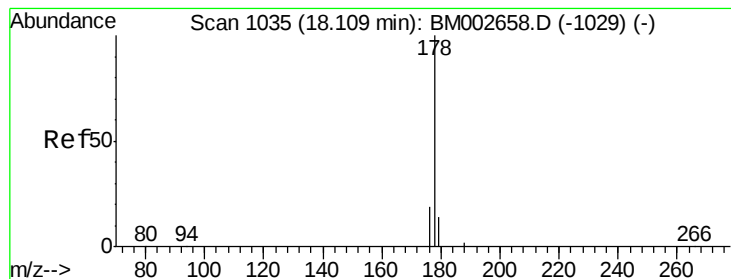
Tot Ion:166 Resp: 2212
 Ion Ratio Lower Upper
 166 100
 165 99.2 87.6 131.4
 167 17.7 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 17.75 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM002663.D
 Acq: 04 Sep 2015 00:23

Tgt Ion:266 Resp: 29
 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: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

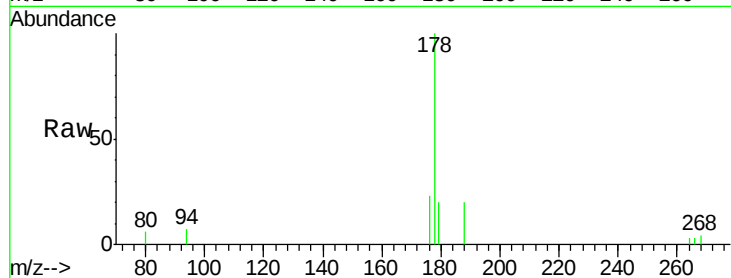
Tot Ion:178 Resp: 3288

Ion Ratio Lower Upper

178 100

176 22.6 16.2 24.4

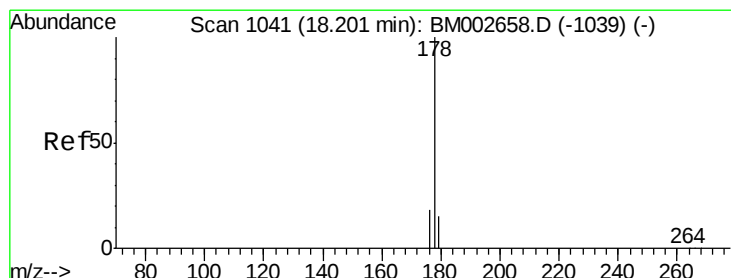
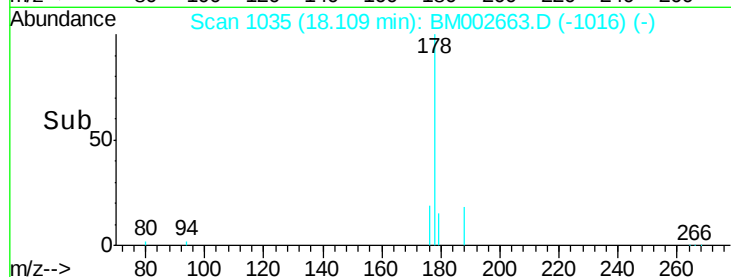
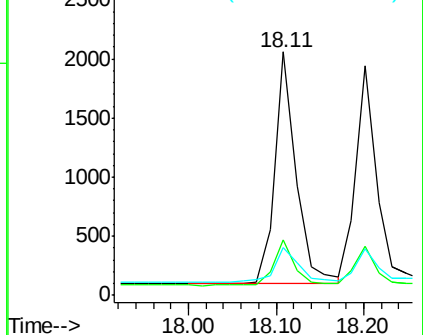
179 19.7 12.8 19.2#



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: BM002663.D

Acq: 04 Sep 2015 00:23

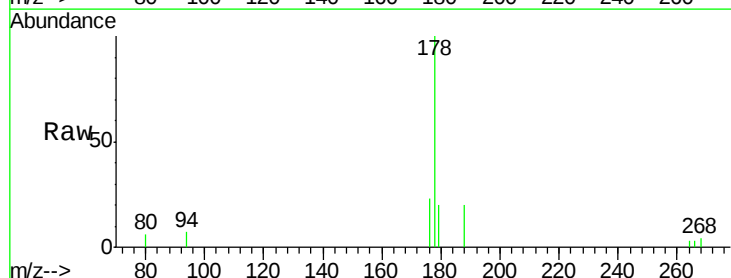
Tgt Ion:178 Resp: 3288

Ion Ratio Lower Upper

178 100

176 22.6 15.8 23.8

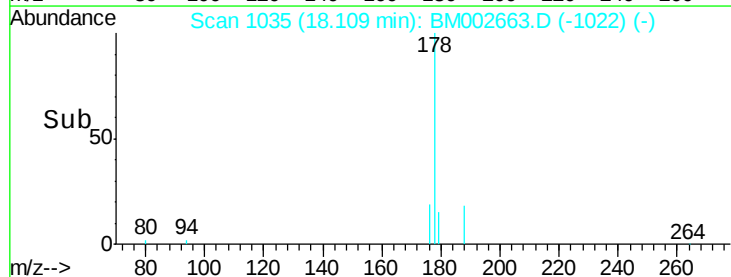
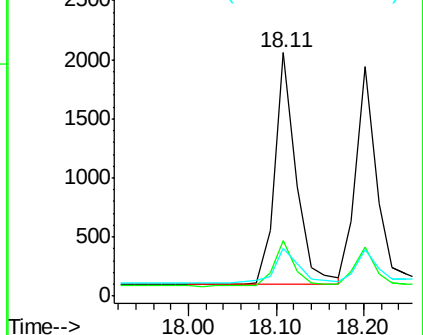
179 19.7 13.3 19.9

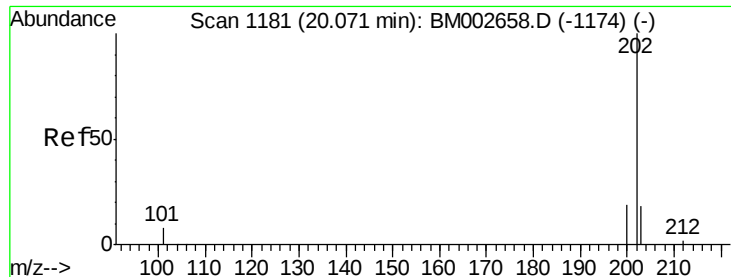


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

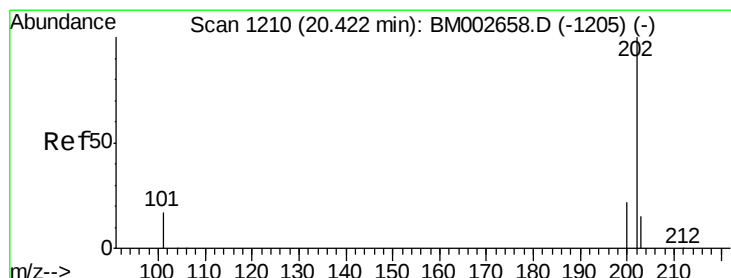
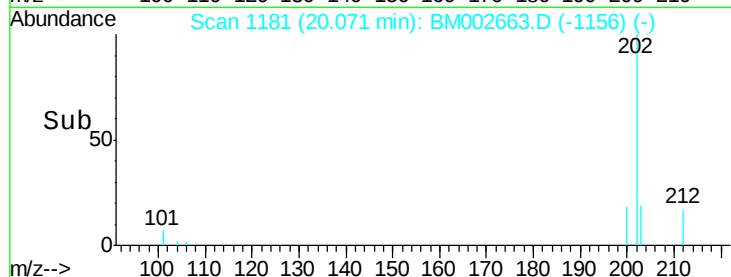
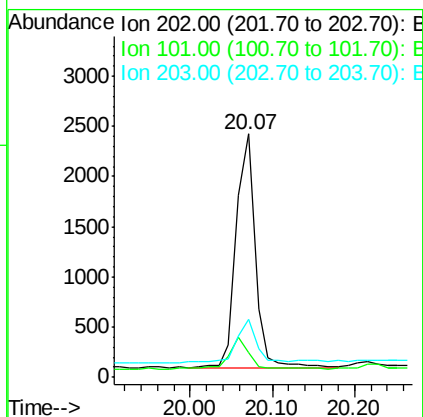
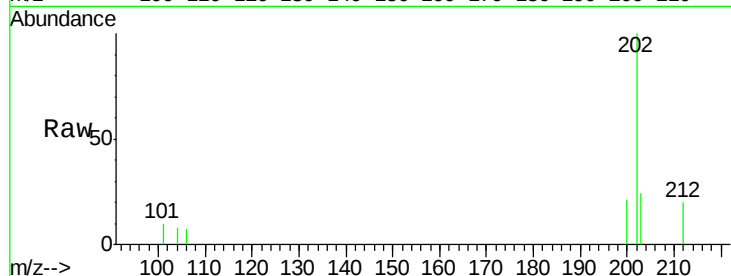




#17
Fluoranthene
 Concen: 0.07 ng/ul
 RT: 20.07 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM002663.D
 Acq: 04 Sep 2015 00:23

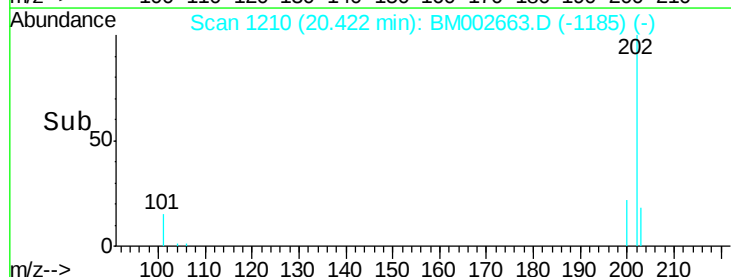
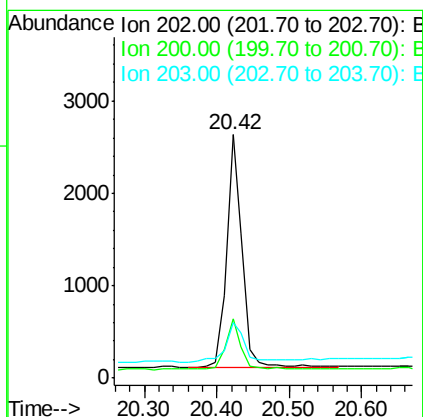
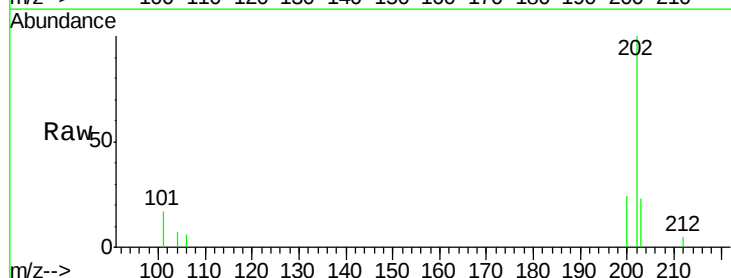
Instrument :
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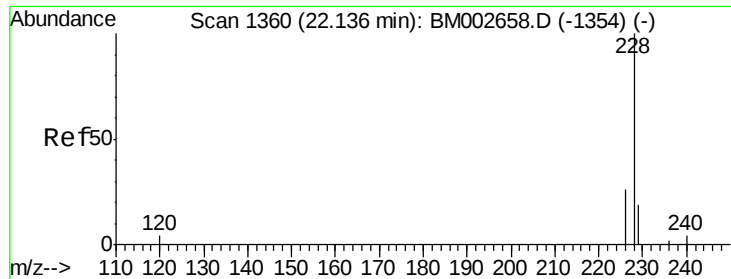
Tot Ion:202 Resp: 3773
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 33.1
 203 23.9 0.0 37.2



#19
Pyrene
 Concen: 0.06 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002663.D
 Acq: 04 Sep 2015 00:23

Tgt Ion:202 Resp: 3853
 Ion Ratio Lower Upper
 202 100
 200 24.1 18.0 27.0
 203 23.0 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.06 ng/u1

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

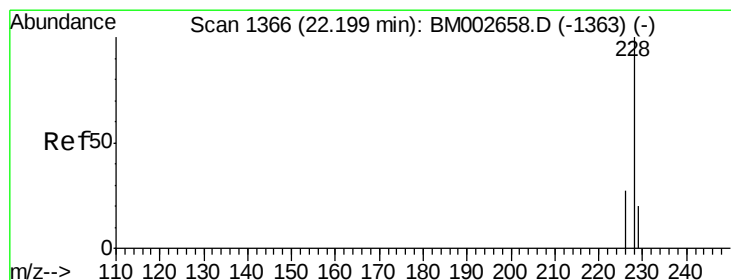
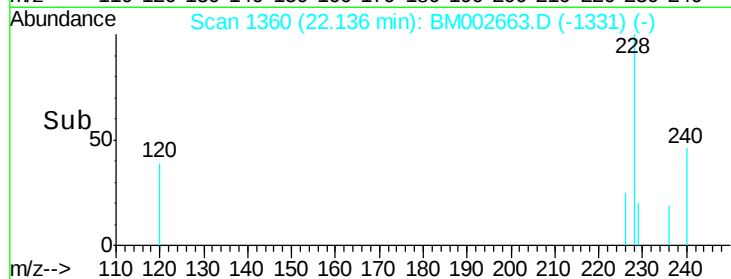
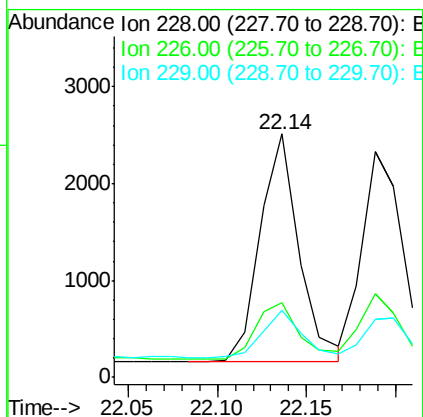
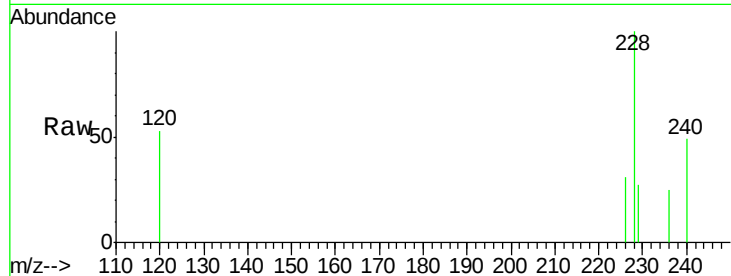
Tot Ion:228 Resp: 3591

Ion Ratio Lower Upper

228 100

226 30.6 23.0 34.4

229 27.3 15.2 22.8#



#21

Chrysene

Concen: 0.06 ng/u1

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002663.D

Acq: 04 Sep 2015 00:23

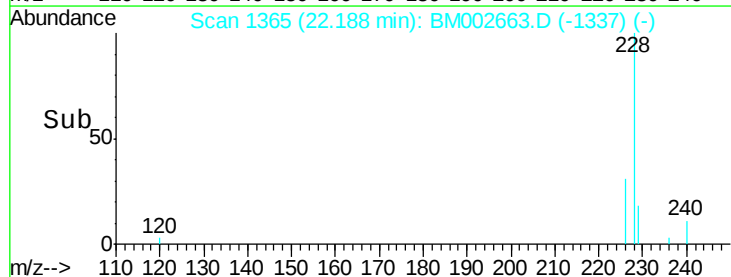
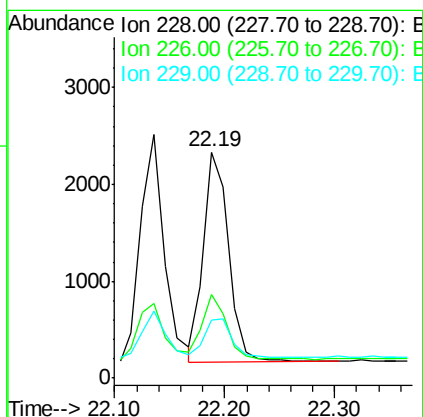
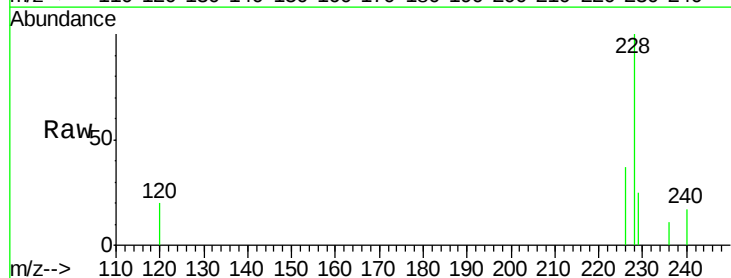
Tgt Ion:228 Resp: 3462

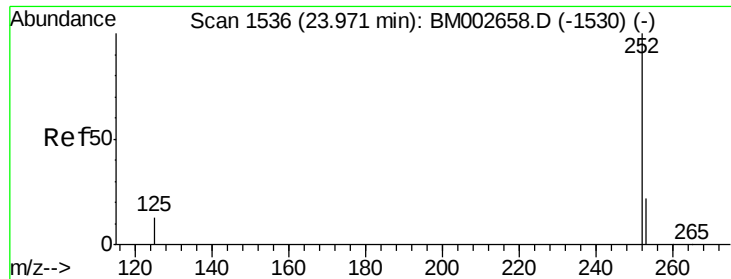
Ion Ratio Lower Upper

228 100

226 36.7 25.7 38.5

229 25.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

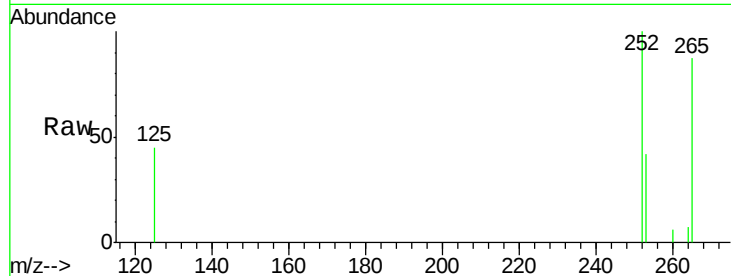
Tot Ion:252 Resp: 4016

Ion Ratio Lower Upper

252 100

253 42.5 0.0 48.0

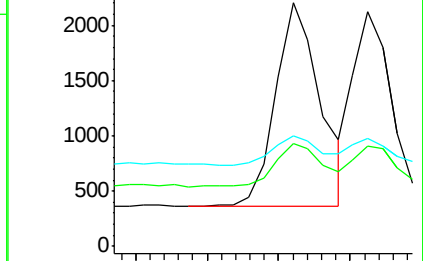
125 45.4 0.0 36.6#



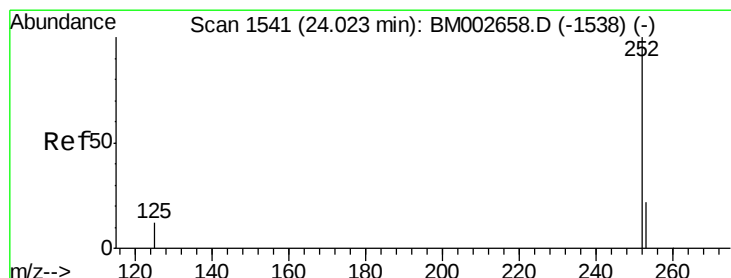
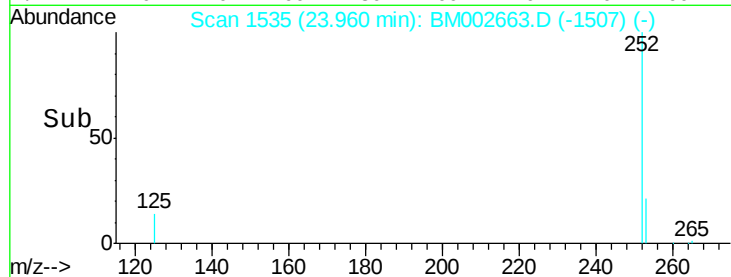
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.85 23.90 23.95 24.00



#24

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002663.D

Acq: 04 Sep 2015 00:23

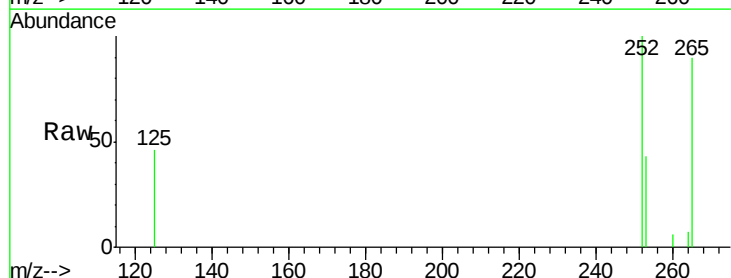
Tgt Ion:252 Resp: 3374

Ion Ratio Lower Upper

252 100

253 42.8 20.8 31.2#

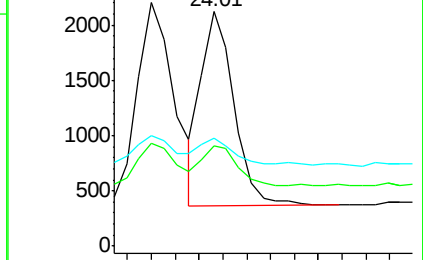
125 46.2 12.2 18.4#



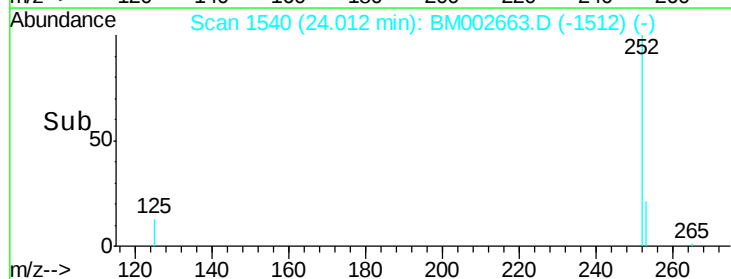
Abundance Ion 252.00 (251.70 to 252.70): E

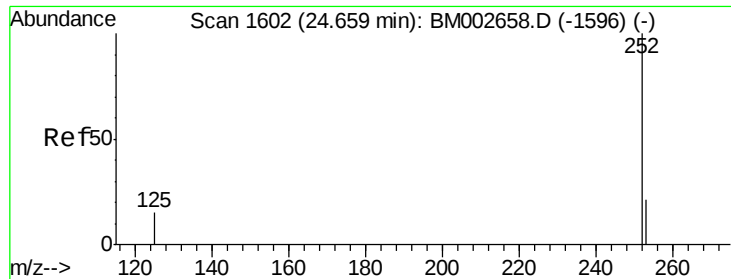
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 24.00 24.10





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002663.D

Acq: 04 Sep 2015 00:23

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

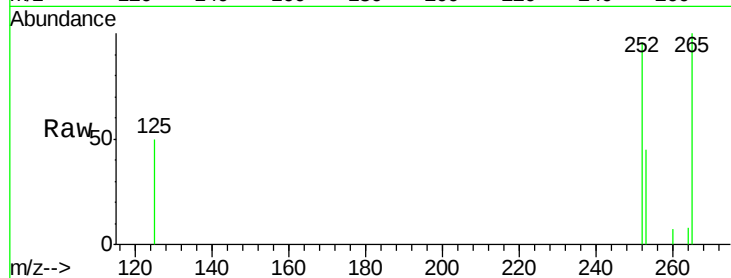
Tot Ion:252 Resp: 3421

Ion Ratio Lower Upper

252 100

253 47.2 21.8 32.8#

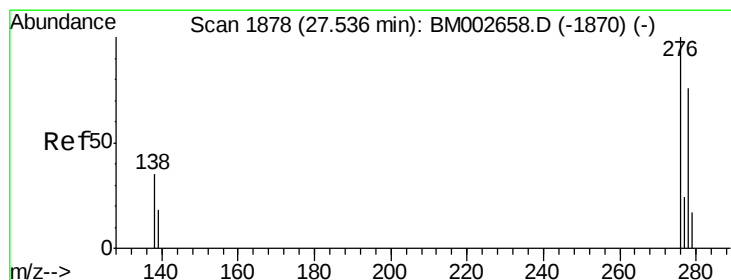
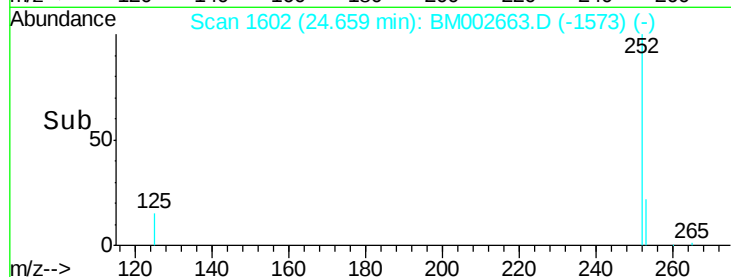
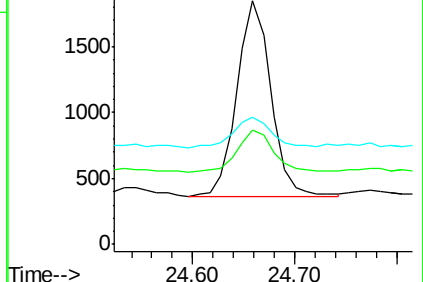
125 52.4 14.5 21.7#



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: BM002663.D

Acq: 04 Sep 2015 00:23

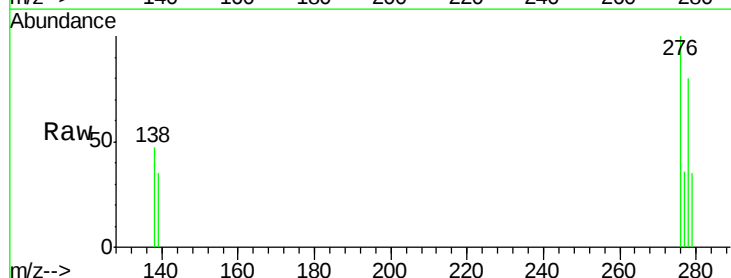
Tgt Ion:276 Resp: 4219

Ion Ratio Lower Upper

276 100

138 33.1 27.5 41.3

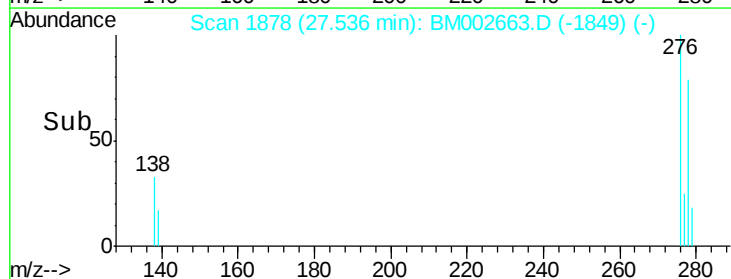
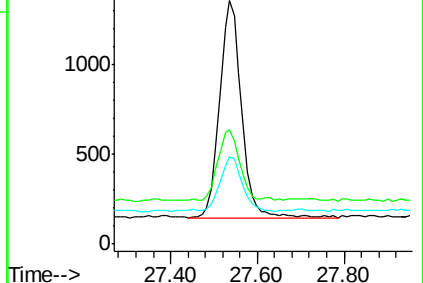
277 25.3 19.3 28.9

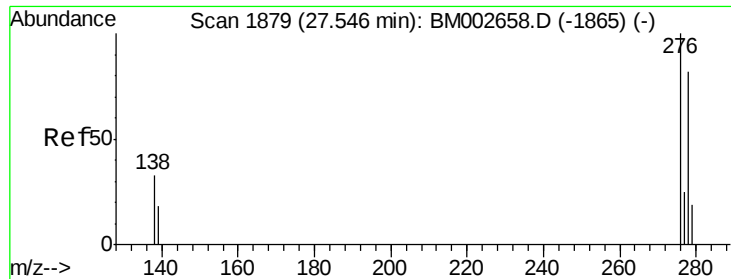


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

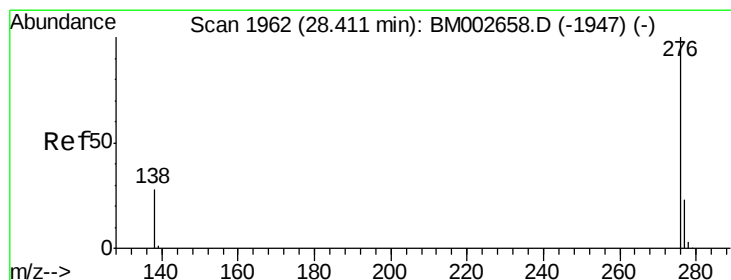
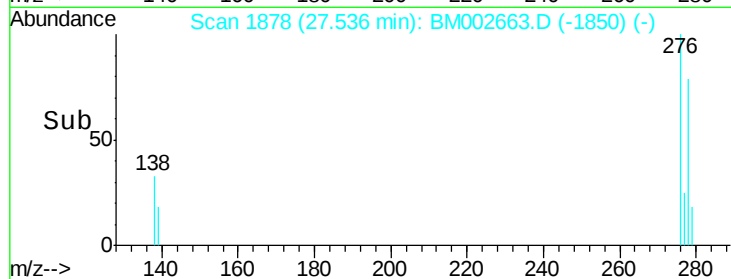
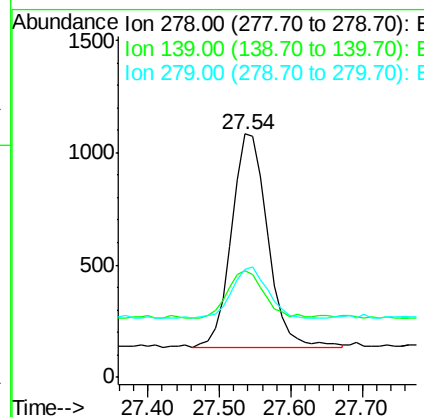
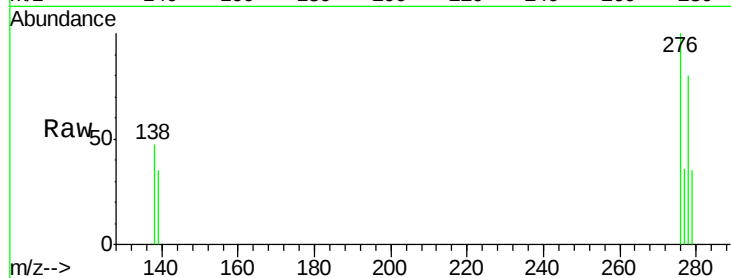




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.54 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BM002663.D
Acq: 04 Sep 2015 00:23

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Tot Ion:278 Resp: 3291
Ion Ratio Lower Upper
278 100
139 43.9 21.7 32.5#
279 44.4 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: BM002663.D
Acq: 04 Sep 2015 00:23

Tgt Ion:276 Resp: 3507
Ion Ratio Lower Upper
276 100
277 39.7 21.3 31.9#
138 49.5 25.5 38.3#

