

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090315\
 Data File : BM002661.D
 Acq On : 03 Sep 2015 23:09
 Operator : UM/IZ
 Sample : MDL-02-S
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

Quant Time: Sep 04 04:42:27 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	7694	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	31541	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	13635	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	23127	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	18942	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	18582	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	18799	0.44	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	24305	0.46	ng/ul	-0.01

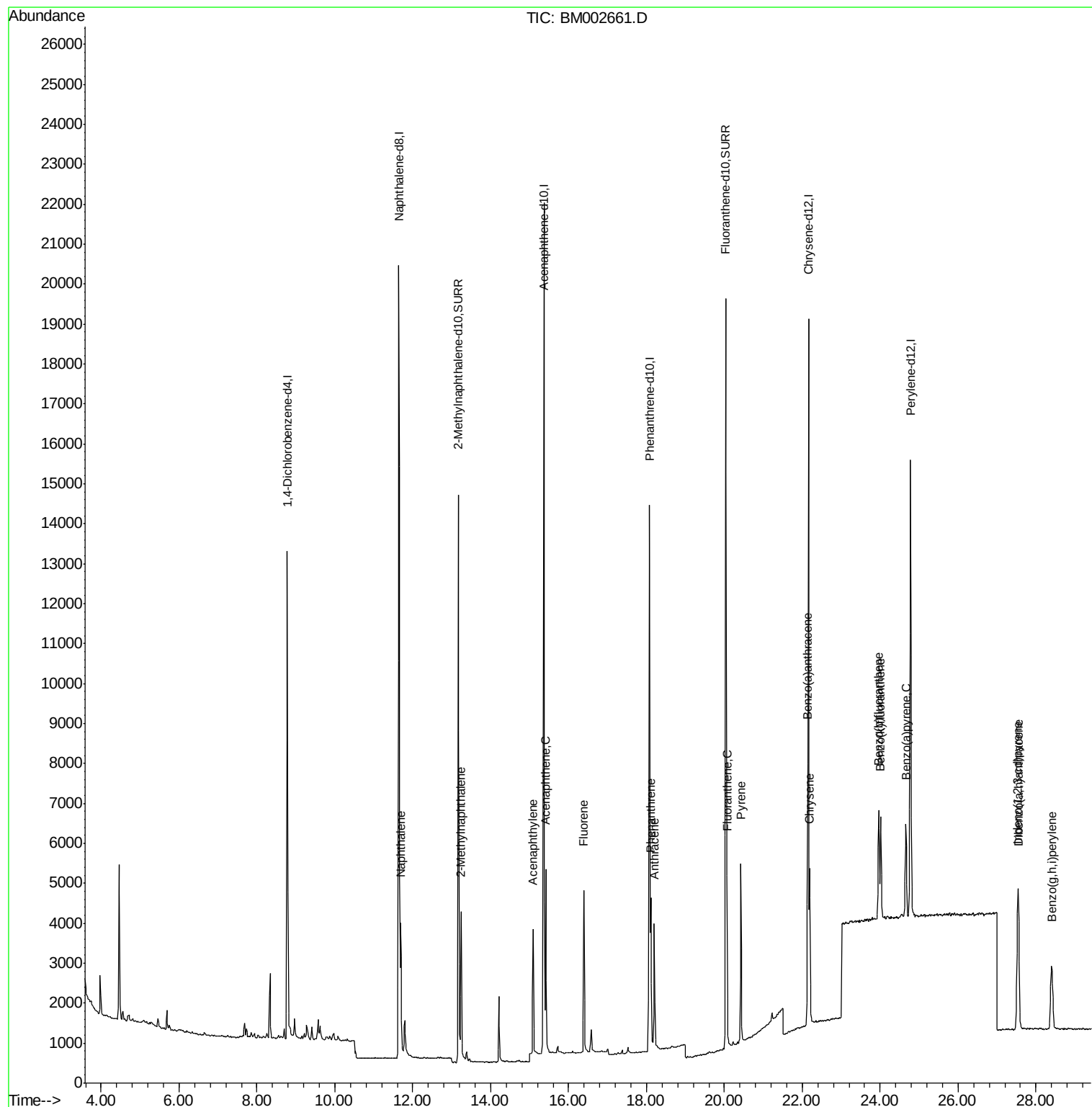
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.69	128	4621	0.06	ng/ul	95
7) 2-Methylnaphthalene	13.25	142	3482	0.06	ng/ul	98
9) Acenaphthylene	15.09	152	4033	0.06	ng/ul	97
10) Acenaphthene	15.42	153	2907	0.06	ng/ul	97
11) Fluorene	16.39	166	3022	0.06	ng/ul	92
14) Phenanthrene	18.11	178	4159	0.06	ng/ul	96
15) Anthracene	18.20	178	3976	0.06	ng/ul	97
17) Fluoranthene	20.07	202	4353	0.06	ng/ul	90
19) Pyrene	20.42	202	4347	0.06	ng/ul#	93
20) Benzo(a)anthracene	22.14	228	4014	0.06	ng/ul#	90
21) Chrysene	22.19	228	3915	0.06	ng/ul#	89
23) Benzo(b)fluoranthene	23.96	252	4485	0.07	ng/ul#	54
24) Benzo(k)fluoranthene	24.01	252	3786	0.06	ng/ul#	52
25) Benzo(a)pyrene	24.66	252	3790	0.06	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	27.54	276	4472	0.06	ng/ul	97
27) Dibenzo(a,h)anthracene	27.55	278	3608	0.06	ng/ul#	69
28) Benzo(g,h,i)perylene	28.40	276	3928	0.06	ng/ul#	76

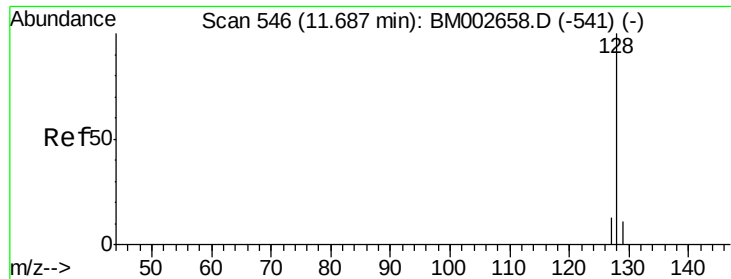
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

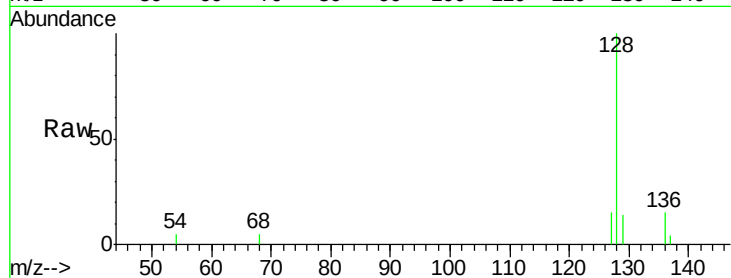
Tgt Ion:128 Resp: 4621

Ion Ratio Lower Upper

128 100

129 14.2 9.8 14.8

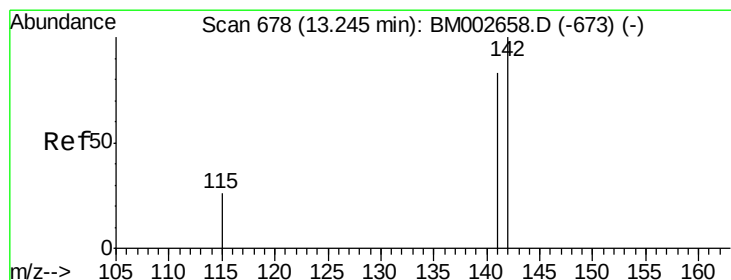
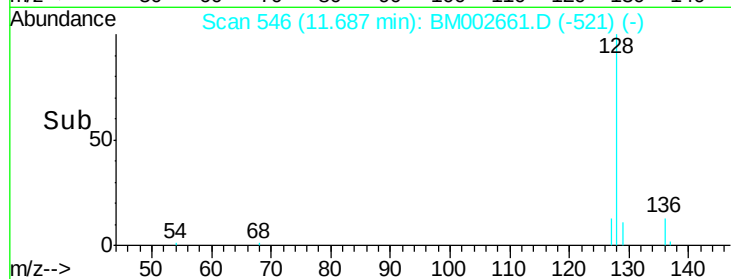
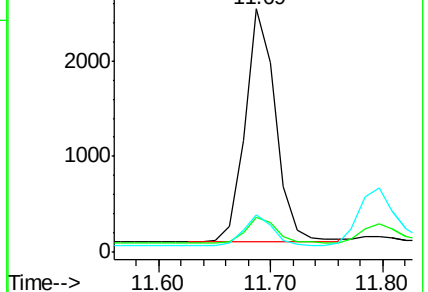
127 15.4 10.7 16.1



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: BM002661.D

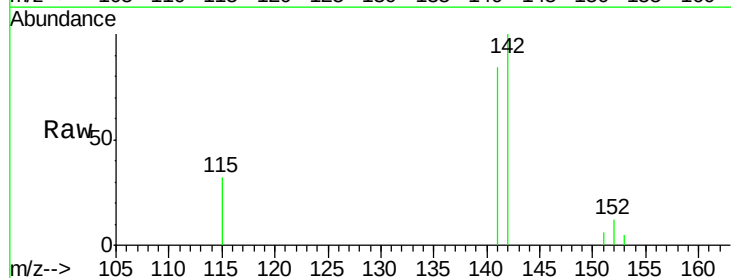
Acq: 03 Sep 2015 23:09

Tgt Ion:142 Resp: 3482

Ion Ratio Lower Upper

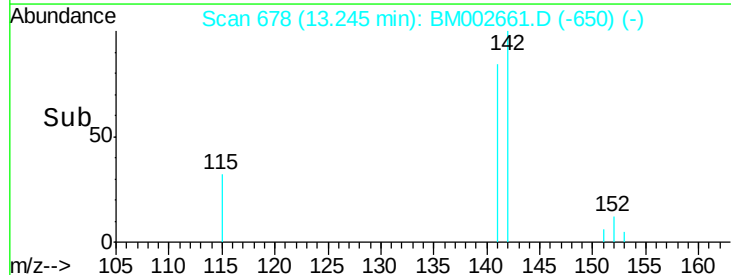
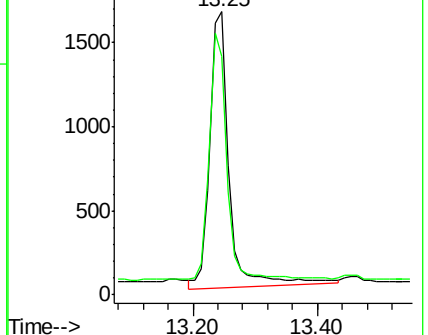
142 100

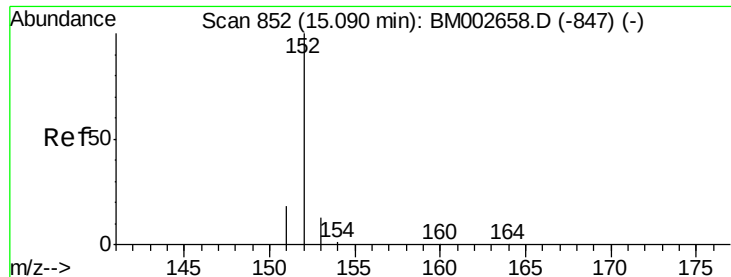
141 89.7 70.3 105.5



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: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

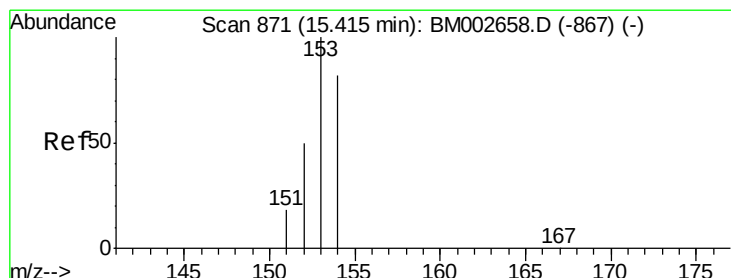
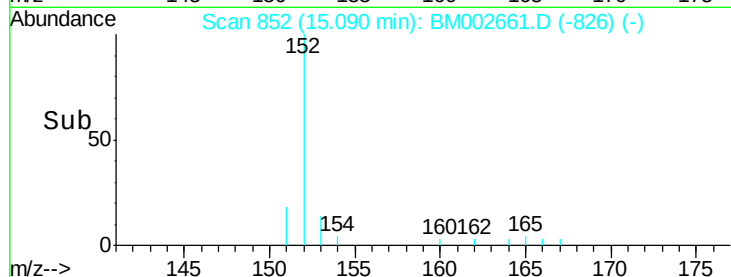
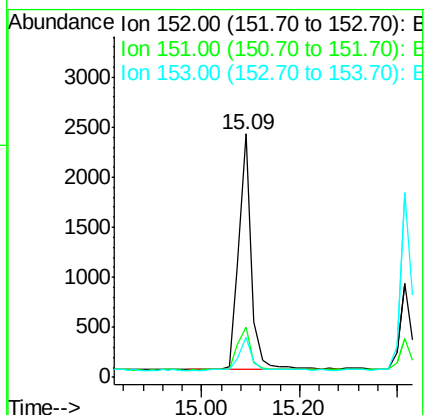
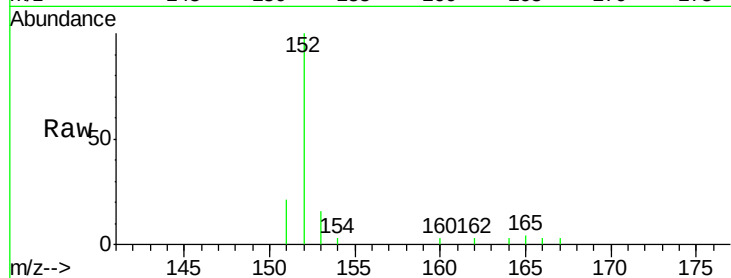
Tgt Ion:152 Resp: 4033

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

153 16.4 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: BM002661.D

Acq: 03 Sep 2015 23:09

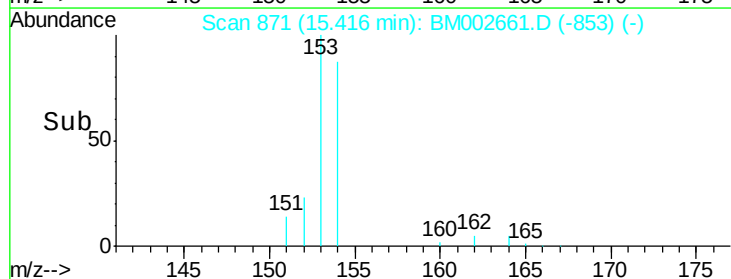
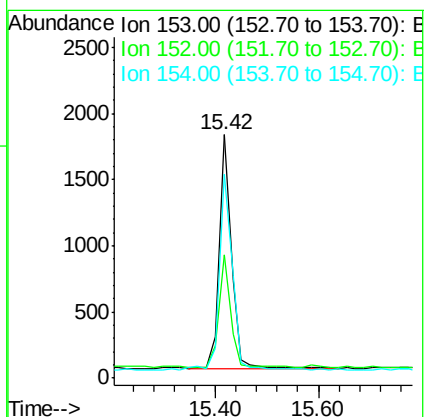
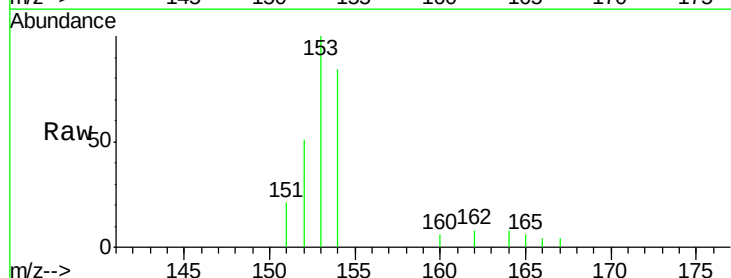
Tgt Ion:153 Resp: 2907

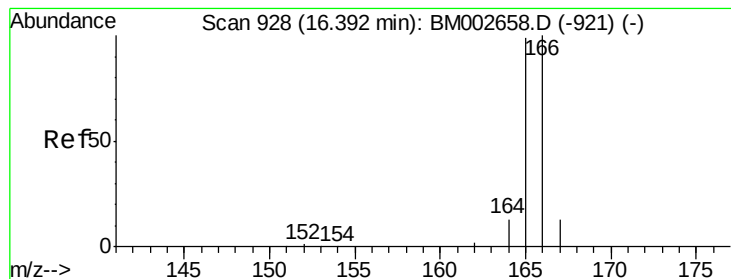
Ion Ratio Lower Upper

153 100

152 50.8 42.3 63.5

154 83.7 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: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

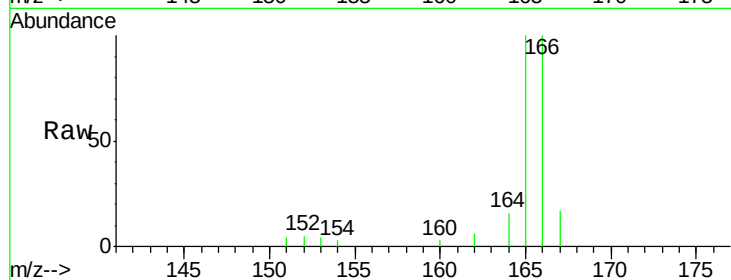
Tgt Ion:166 Resp: 3022

Ion Ratio Lower Upper

166 100

165 100.3 87.6 131.4

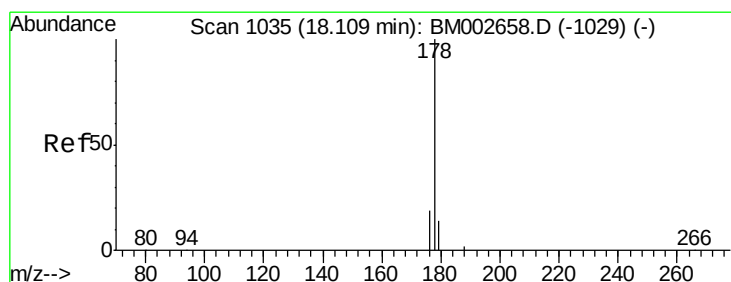
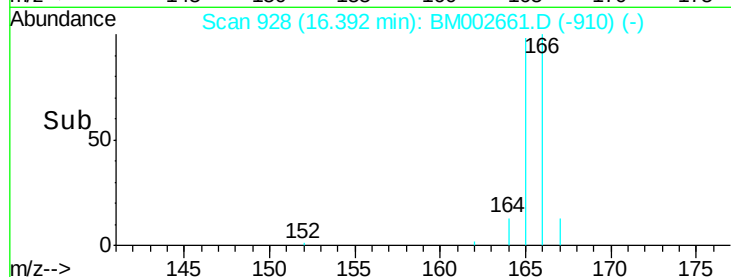
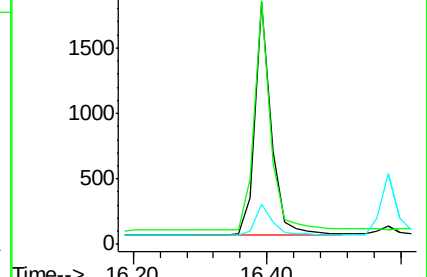
167 16.6 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14

Phenanthrene

Concen: 0.06 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

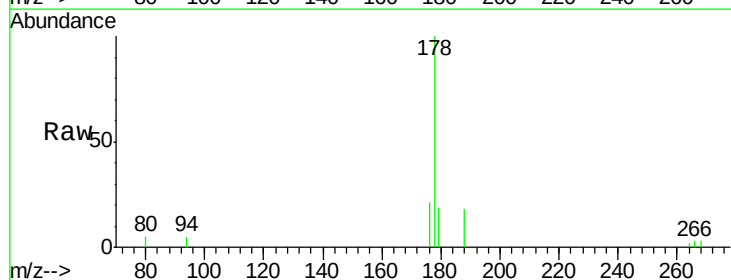
Tgt Ion:178 Resp: 4159

Ion Ratio Lower Upper

178 100

176 21.4 16.2 24.4

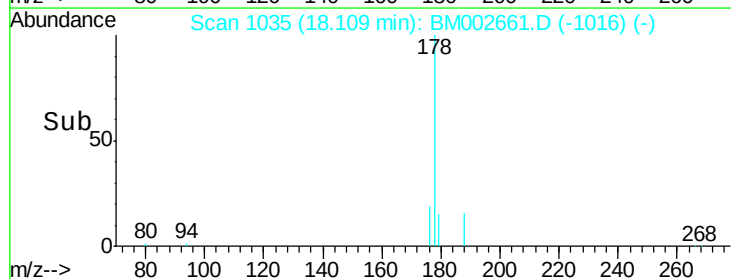
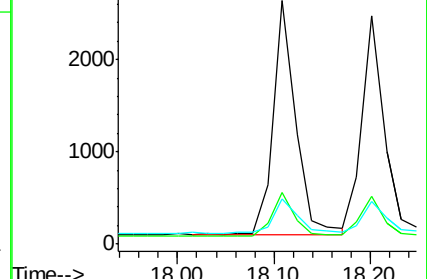
179 18.5 12.8 19.2

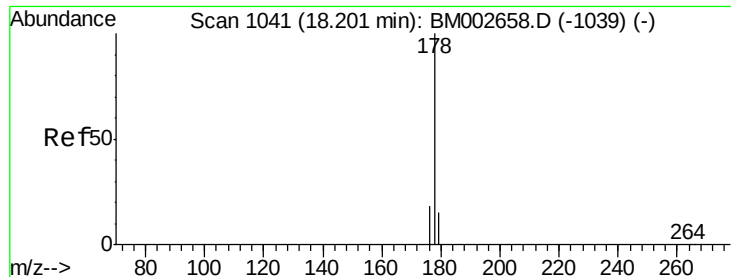


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

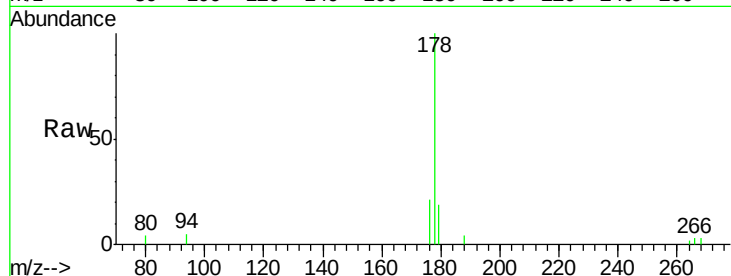
Tgt Ion:178 Resp: 3976

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

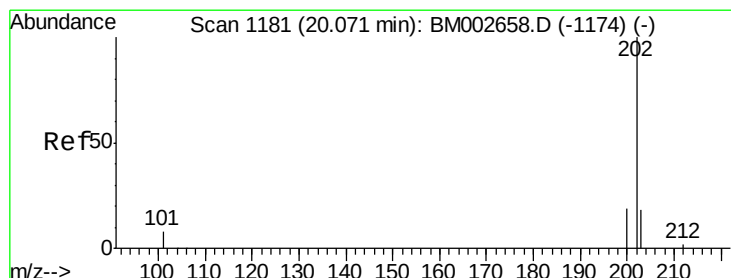
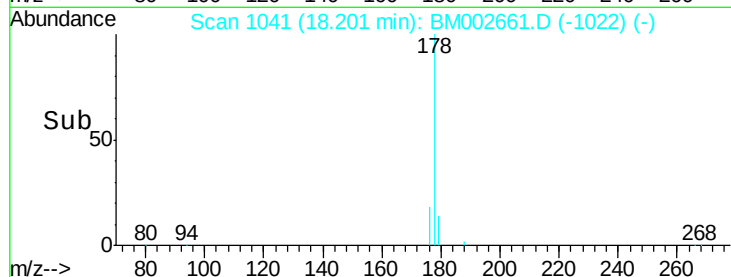
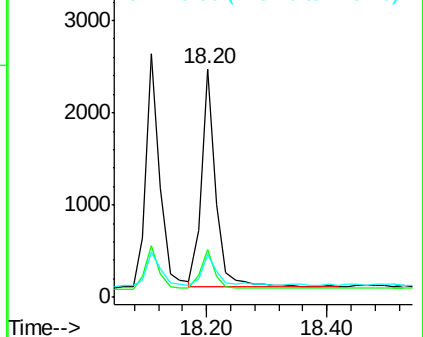
179 18.7 13.3 19.9



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: 0.06 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

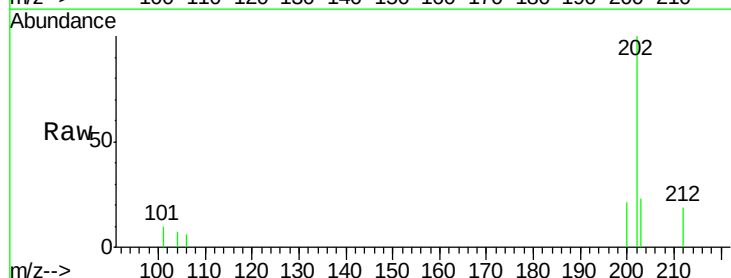
Tgt Ion:202 Resp: 4353

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.1

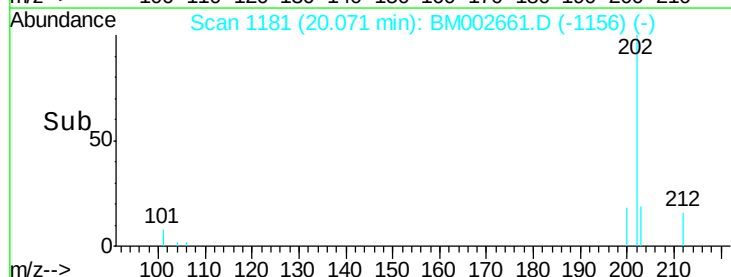
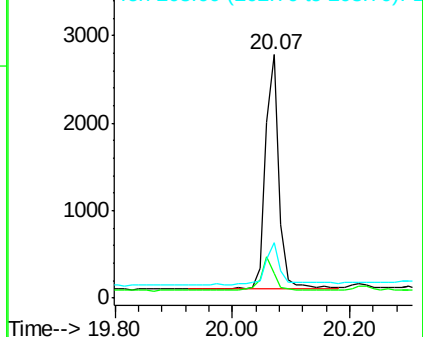
203 22.9 0.0 37.2

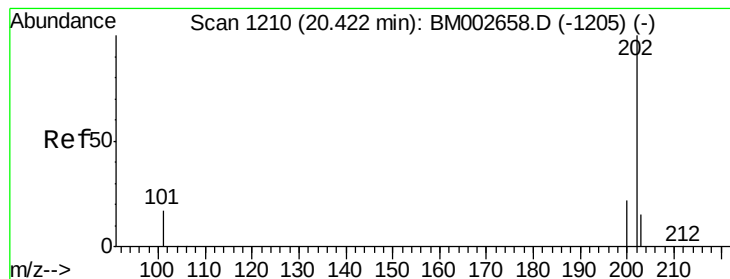


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

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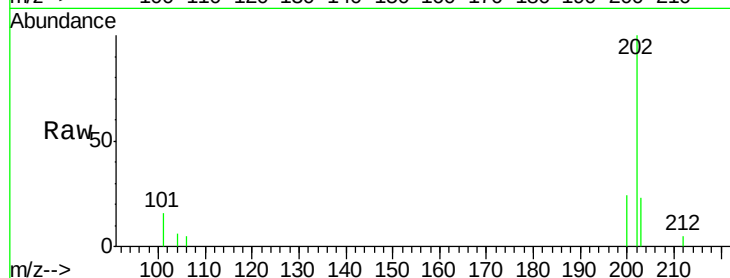
Tgt Ion:202 Resp: 4347

Ion Ratio Lower Upper

202 100

200 23.5 18.0 27.0

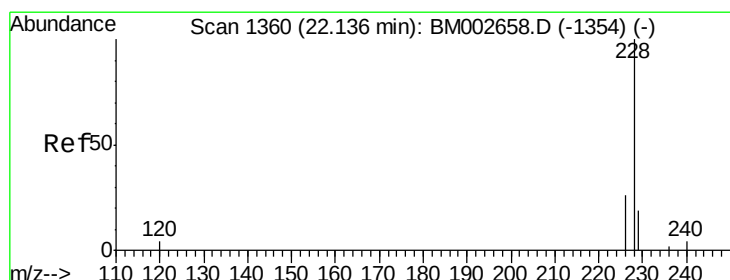
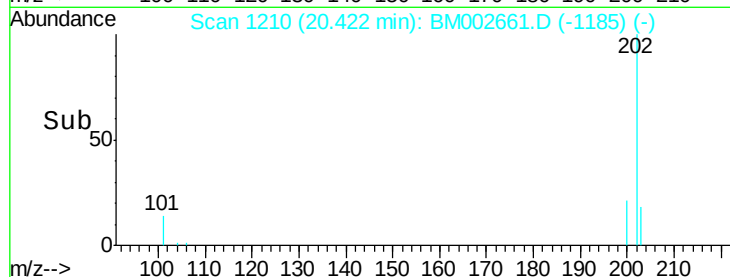
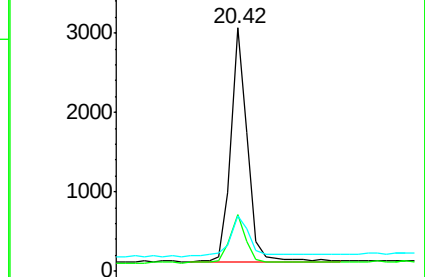
203 22.7 13.8 20.6#



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: 0.06 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

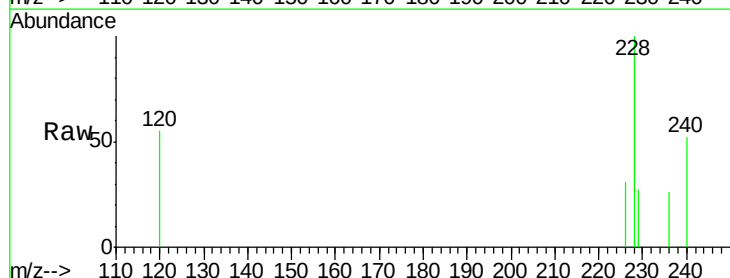
Tgt Ion:228 Resp: 4014

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.4

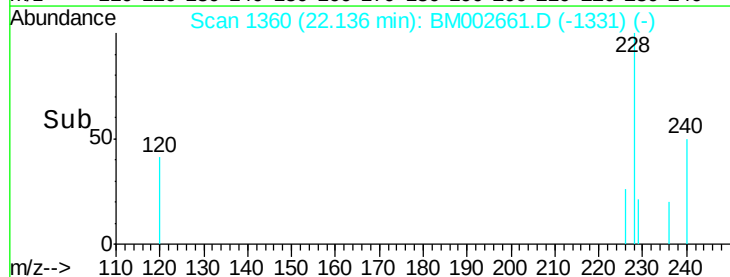
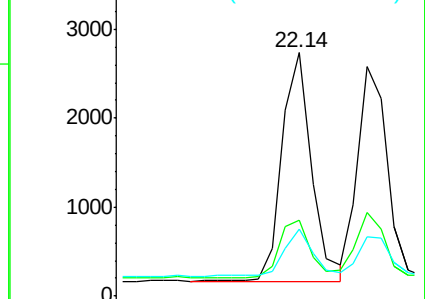
229 27.3 15.2 22.8#

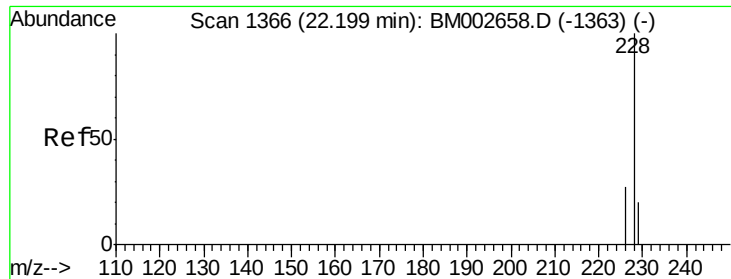


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM002661.D

Acq: 03 Sep 2015 23:09

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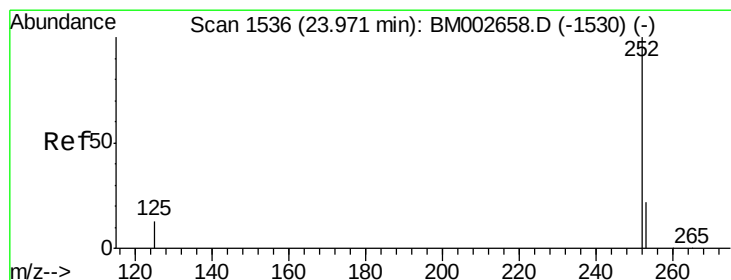
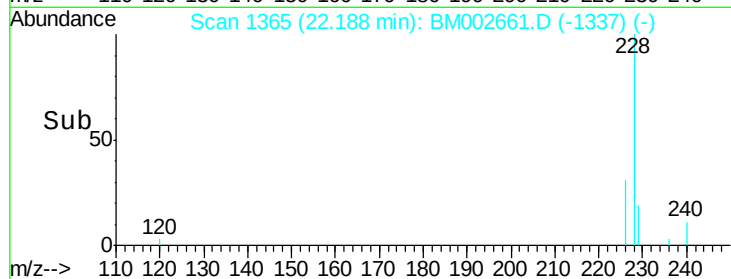
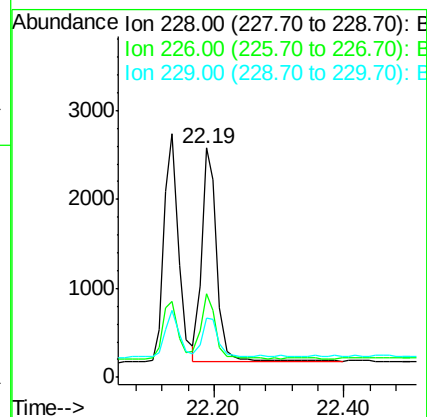
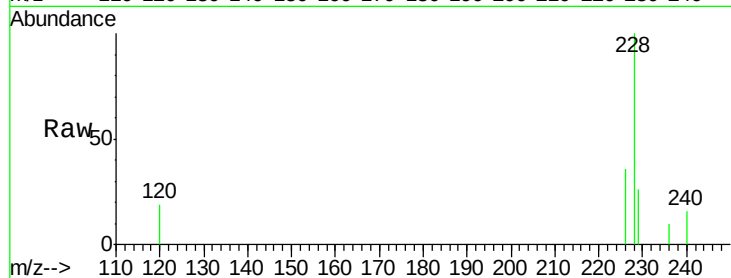
Tgt Ion:228 Resp: 3915

Ion Ratio Lower Upper

228 100

226 36.5 25.7 38.5

229 25.8 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: BM002661.D

Acq: 03 Sep 2015 23:09

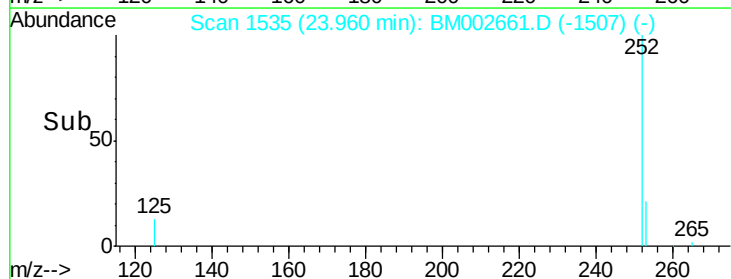
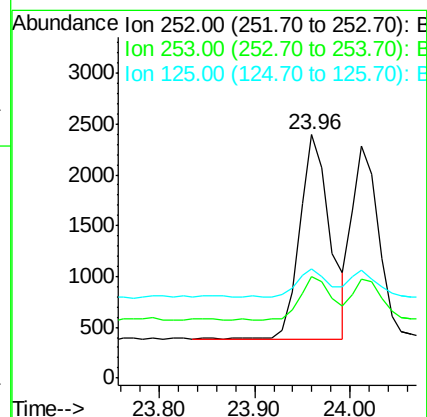
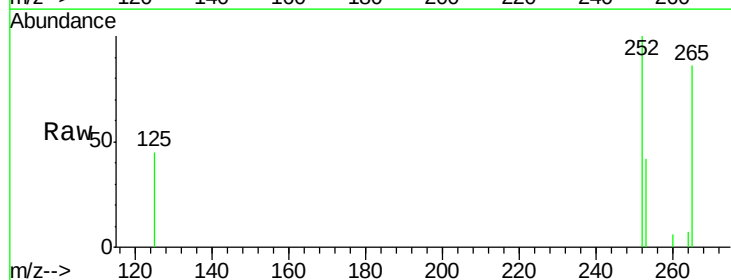
Tgt Ion:252 Resp: 4485

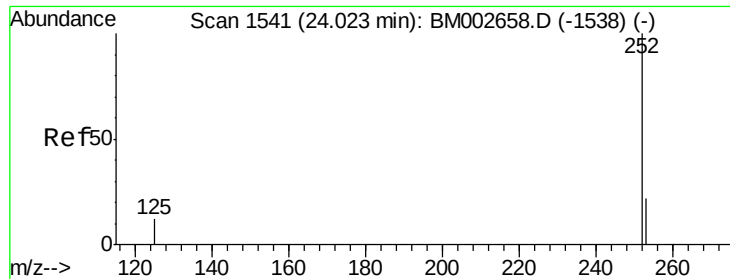
Ion Ratio Lower Upper

252 100

253 41.6 0.0 48.0

125 44.7 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

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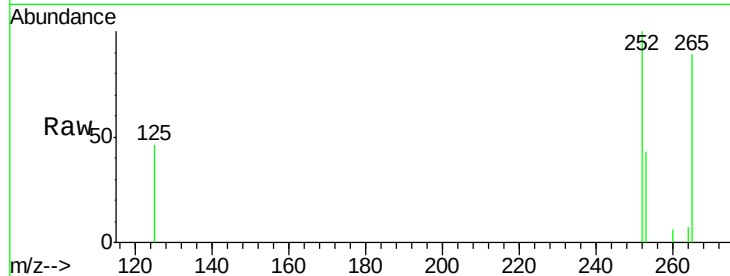
Tgt Ion:252 Resp: 3786

Ion Ratio Lower Upper

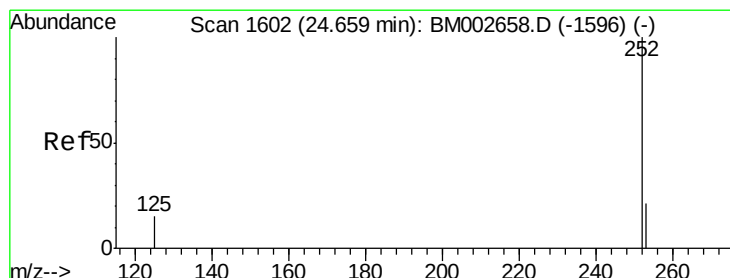
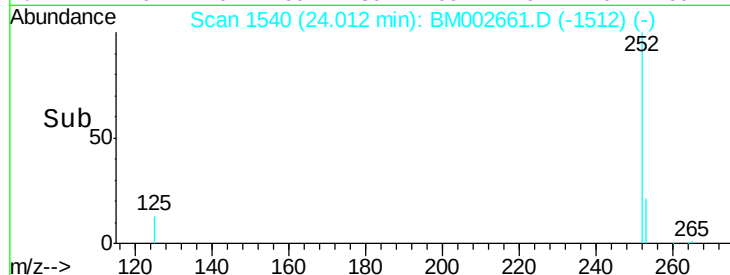
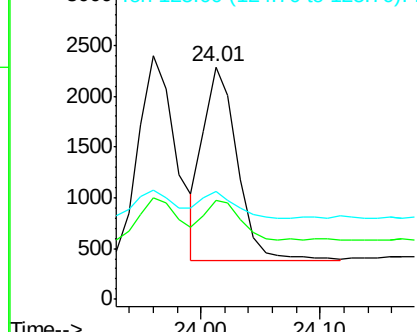
252 100

253 42.7 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



#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

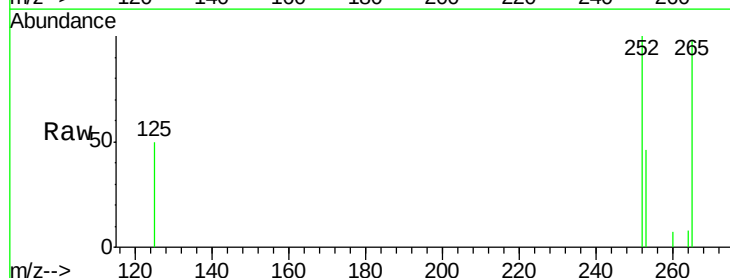
Tgt Ion:252 Resp: 3790

Ion Ratio Lower Upper

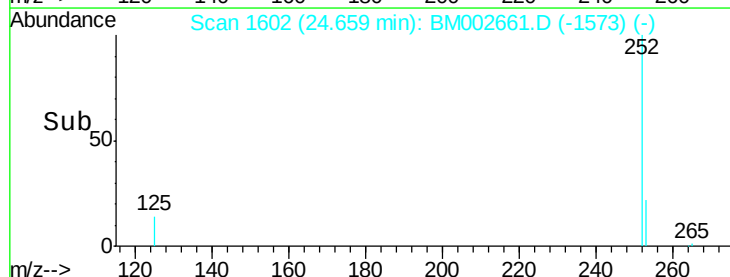
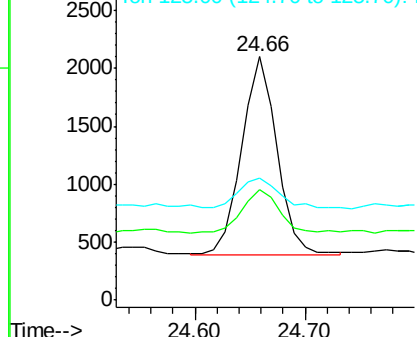
252 100

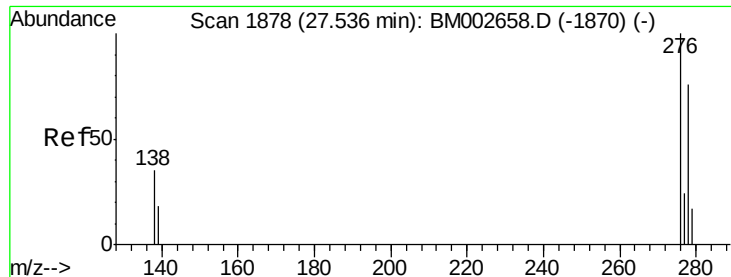
253 45.5 21.8 32.8#

125 50.1 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: BM002661.D

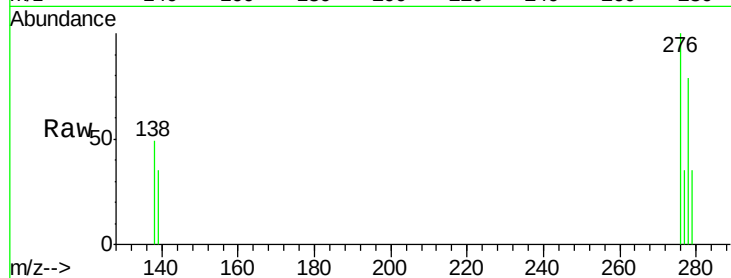
Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



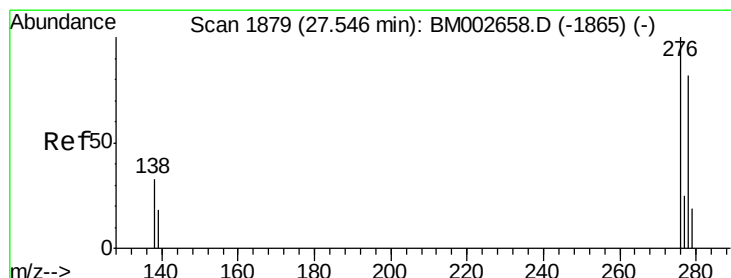
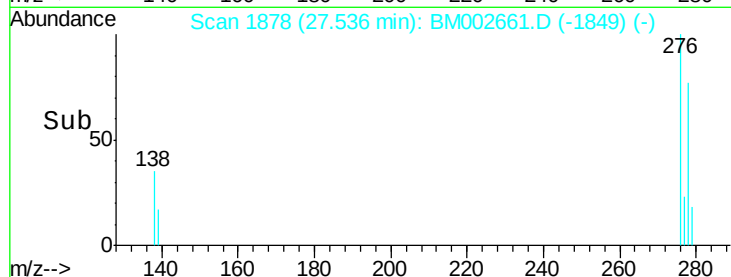
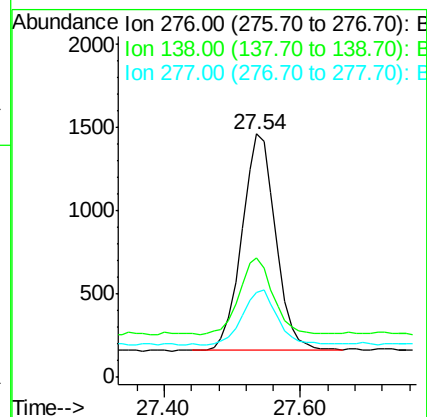
Tgt Ion:276 Resp: 4472

Ion Ratio Lower Upper

276 100

138 35.0 27.5 41.3

277 27.0 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 27.55 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BM002661.D

Acq: 03 Sep 2015 23:09

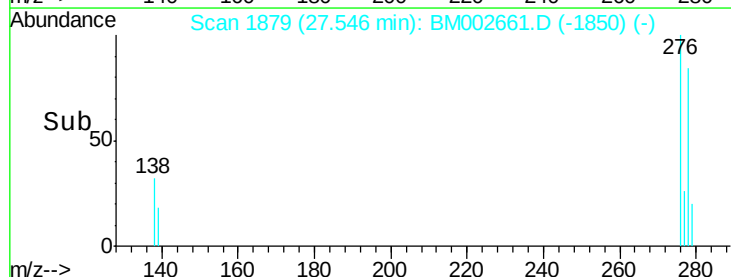
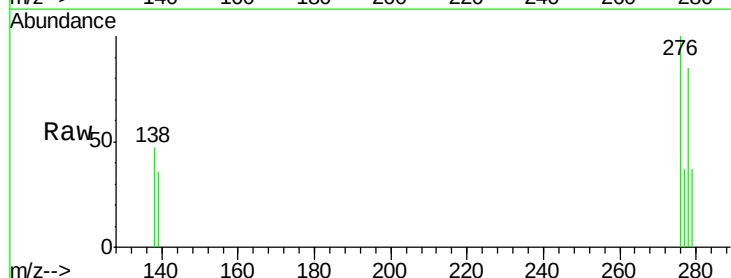
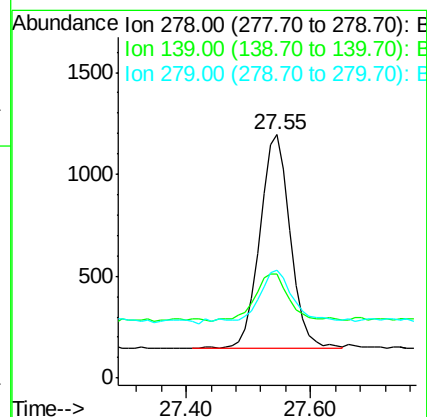
Tgt Ion:278 Resp: 3608

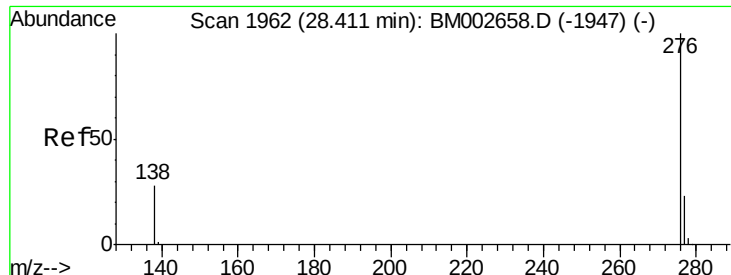
Ion Ratio Lower Upper

278 100

139 42.6 21.7 32.5#

279 44.3 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: BM002661.D

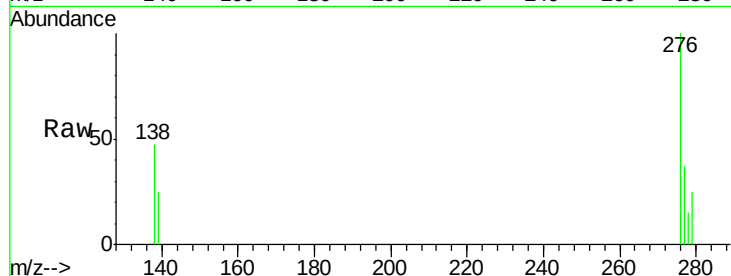
Acq: 03 Sep 2015 23:09

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



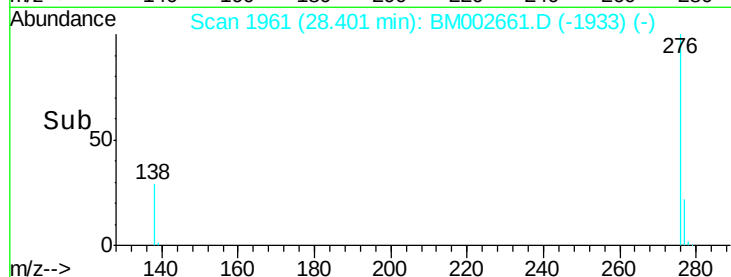
Tgt Ion: 276 Resp: 3928

Ion Ratio Lower Upper

276 100

277 36.7 21.3 31.9#

138 47.4 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

