

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122016\  
 Data File : BM008494.D  
 Acq On : 21 Dec 2016 00:05  
 Operator : UM/SJ  
 Sample : H6039-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA8T1

Quant Time: Dec 21 10:25:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 02:43:00 2016  
 Response via : Initial Calibration

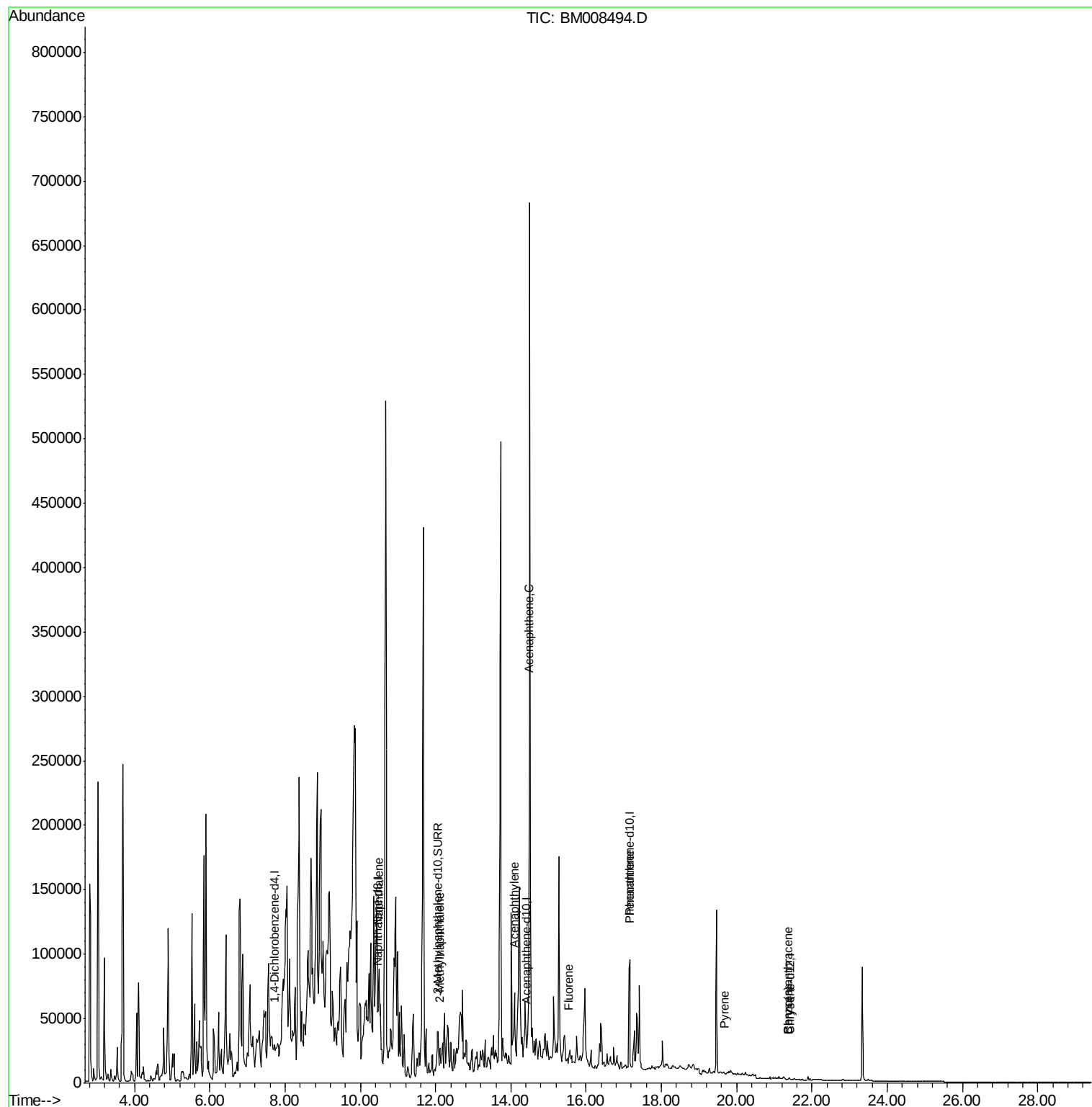
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.73  | 152  | 16       | 0.40 | ng/ul  | 0.03     |
| 2) Naphthalene-d8           | 10.48 | 136  | 27408    | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.42 | 164  | 13504    | 0.40 | ng/ul  | 0.10     |
| 10) Phenanthrene-d10        | 17.16 | 188  | 144978   | 0.40 | ng/ul  | 0.09     |
| 16) Chrysene-d12            | 21.41 | 240  | 229      | 0.40 | ng/ul  | 0.14     |
| 20) Perylene-d12            | 0.00  | 264  | 0        | 0.00 | ng/ul  | -23.50   |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.07 | 152  | 36891    | 0.88 | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.17 | 212  | 793      | 0.00 | ng/ul  | 0.07     |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.50 | 128  | 50827    | 0.66 | ng/ul# | 94       |
| 5) 2-Methylnaphthalene      | 12.11 | 142  | 14503    | 0.28 | ng/ul# | 79       |
| 7) Acenaphthylene           | 14.09 | 152  | 45749    | 0.75 | ng/ul  | 96       |
| 8) Acenaphthene             | 14.49 | 153  | 17958    | 0.39 | ng/ul# | 23       |
| 9) Fluorene                 | 15.55 | 166  | 3242     | 0.06 | ng/ul# | 28       |
| 12) Phenanthrene            | 17.14 | 178  | 9222     | 0.02 | ng/ul# | 1        |
| 17) Pyrene                  | 19.66 | 202  | 578      | 0.65 | ng/ul# | 1        |
| 18) Benzo(a)anthracene      | 21.38 | 228  | 473      | 0.63 | ng/ul# | 1        |
| 19) Chrysene                | 21.38 | 228  | 473      | 0.57 | ng/ul# | 1        |

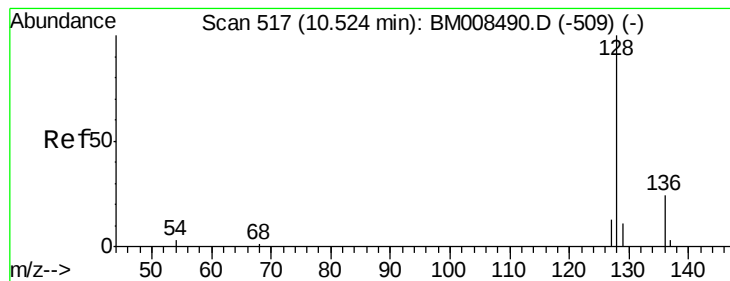
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.66 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.02 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

Instrument :

BNA\_M

ClientSampleId :

DA8T1

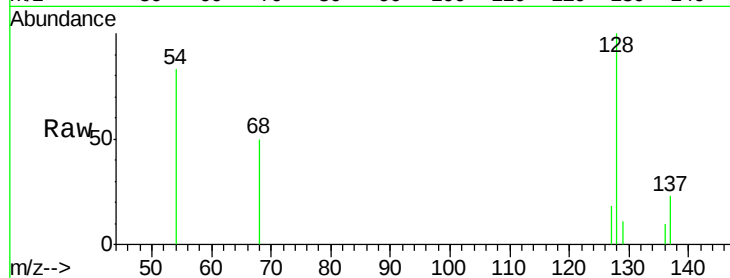
Tgt Ion:128 Resp: 50827

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

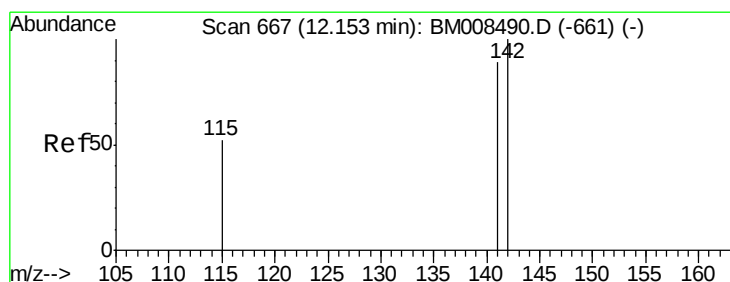
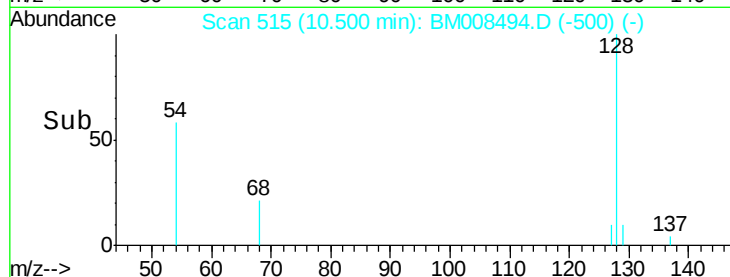
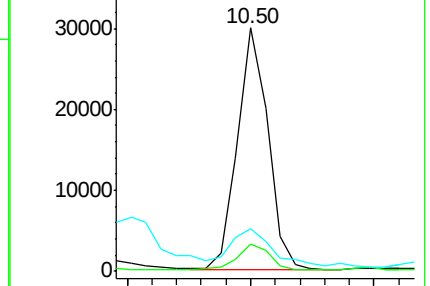
127 17.8 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 0.28 ng/ul

RT: 12.11 min Scan# 663

Delta R.T. -0.04 min

Lab File: BM008494.D

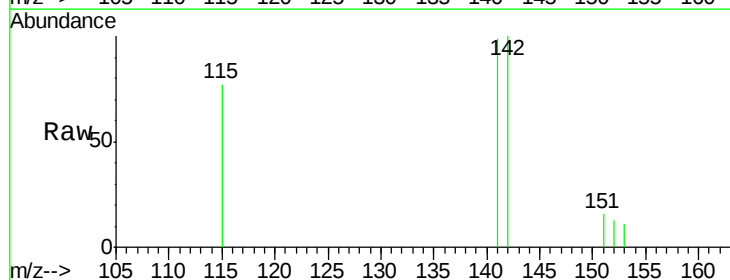
Acq: 21 Dec 2016 00:05

Tgt Ion:142 Resp: 14503

Ion Ratio Lower Upper

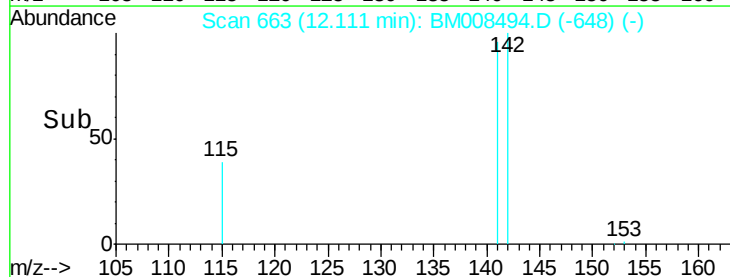
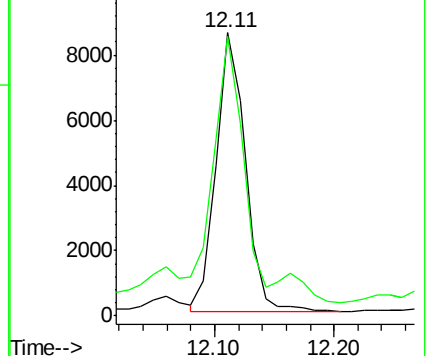
142 100

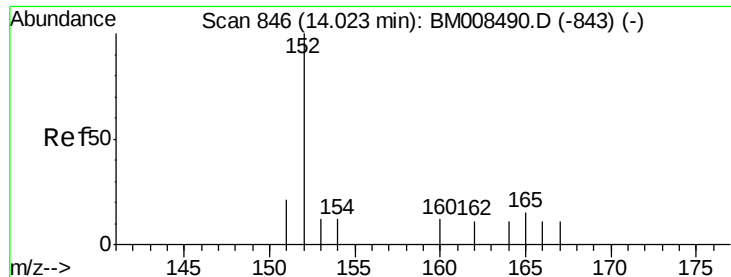
141 110.4 72.6 108.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.75 ng/ul

RT: 14.09 min Scan# 850

Delta R.T. 0.07 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

Instrument :

BNA\_M

ClientSampleId :

DA8T1

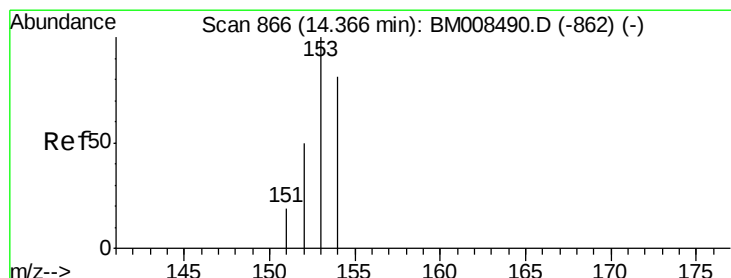
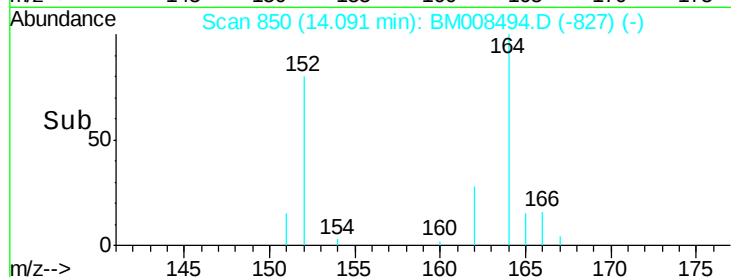
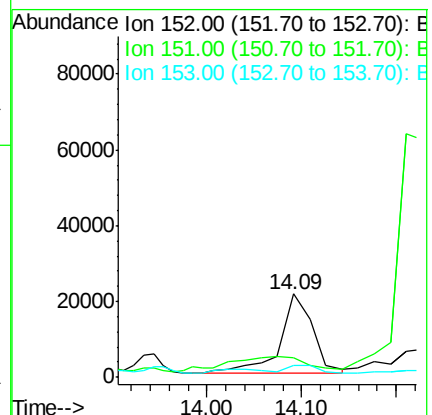
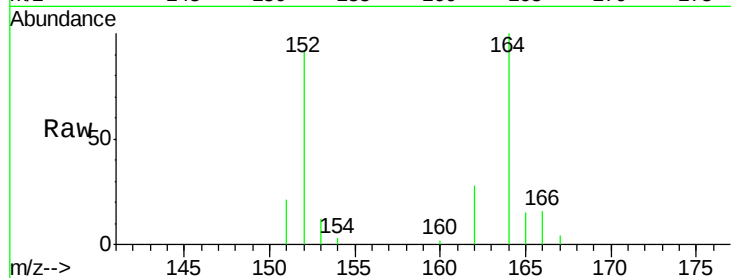
Tgt Ion:152 Resp: 45749

Ion Ratio Lower Upper

152 100

151 22.9 17.1 25.7

153 13.6 12.8 19.2



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. 0.12 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

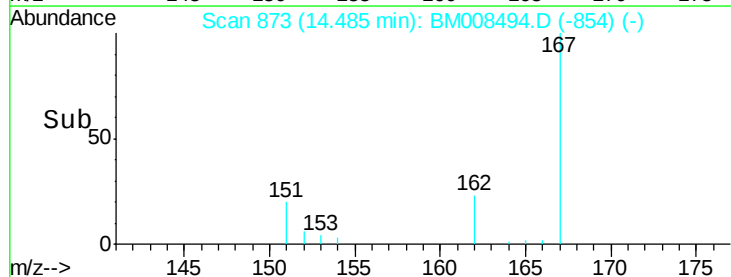
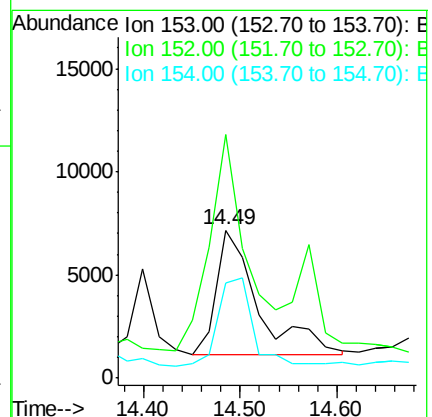
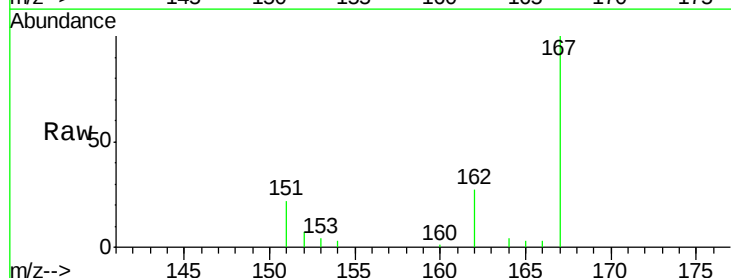
Tgt Ion:153 Resp: 17958

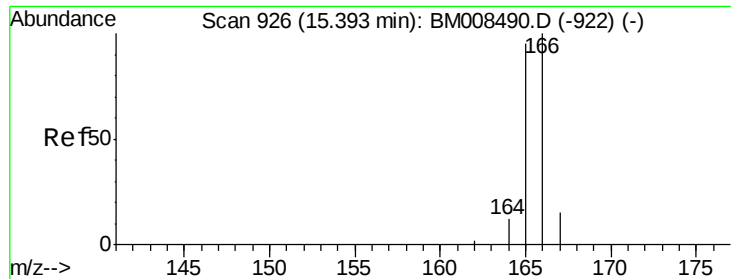
Ion Ratio Lower Upper

153 100

152 164.9 40.3 60.5#

154 64.4 71.4 107.2#





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.15 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

Instrument :

BNA\_M

ClientSampleId :

DA8T1

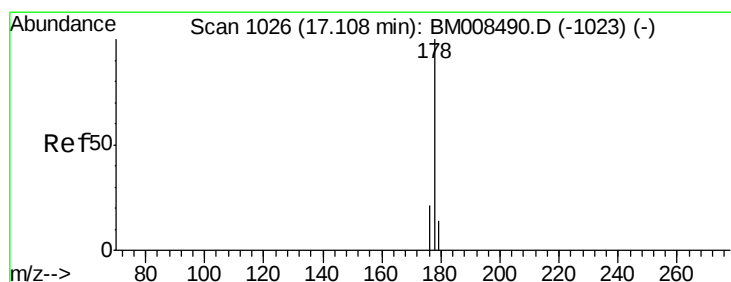
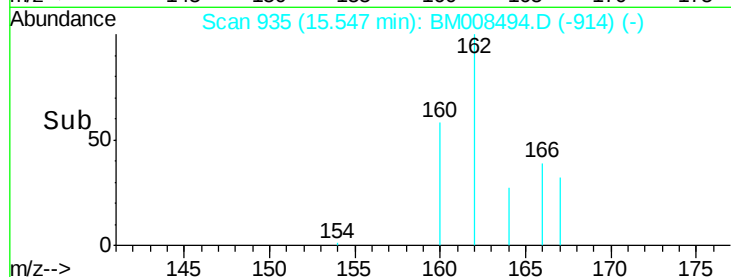
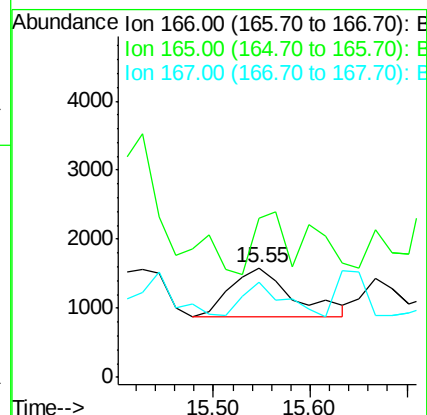
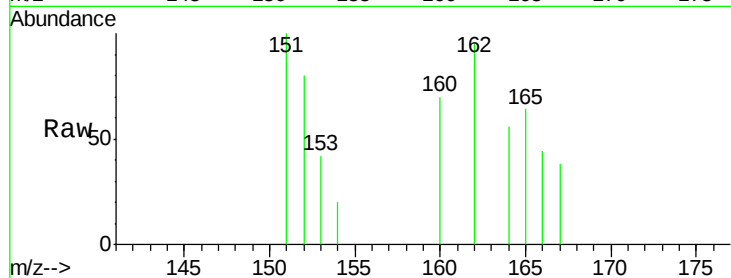
Tgt Ion:166 Resp: 3242

Ion Ratio Lower Upper

166 100

165 145.4 73.4 110.2#

167 86.6 14.6 22.0#



#12

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

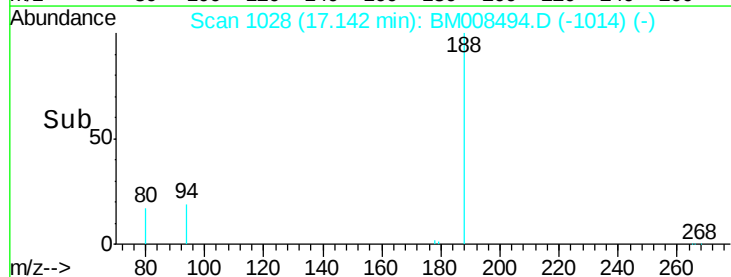
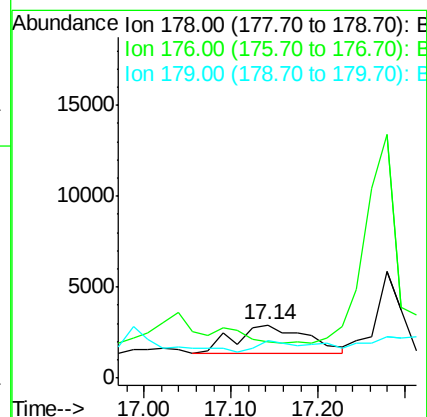
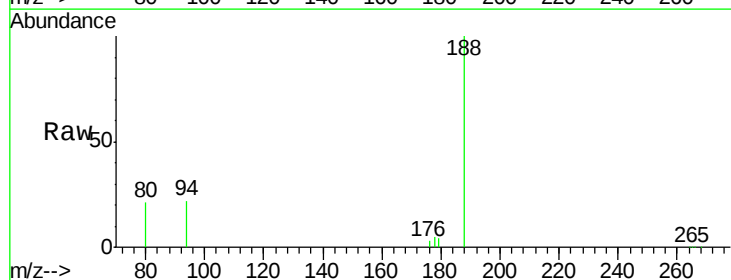
Tgt Ion:178 Resp: 9222

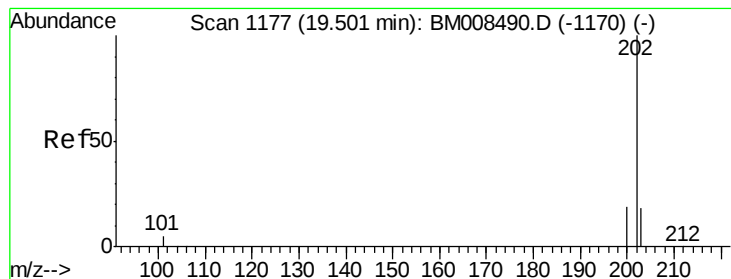
Ion Ratio Lower Upper

178 100

176 67.9 18.4 27.6#

179 71.7 13.6 20.4#





#17

Pyrene

Concen: 0.65 ng/ul

RT: 19.66 min Scan# 1191

Delta R.T. 0.16 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

Instrument :

BNA\_M

ClientSampleId :

DA8T1

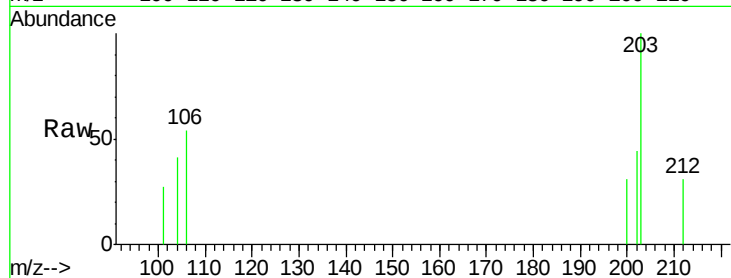
Tgt Ion:202 Resp: 578

Ion Ratio Lower Upper

202 100

200 70.5 18.2 27.4#

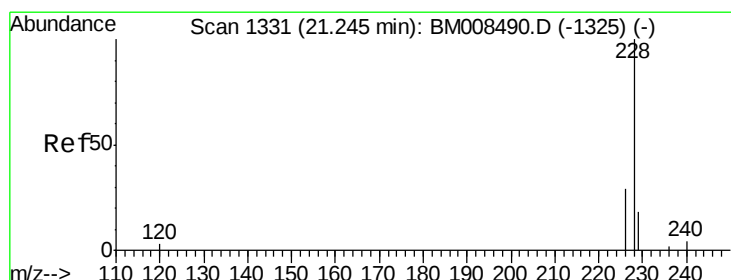
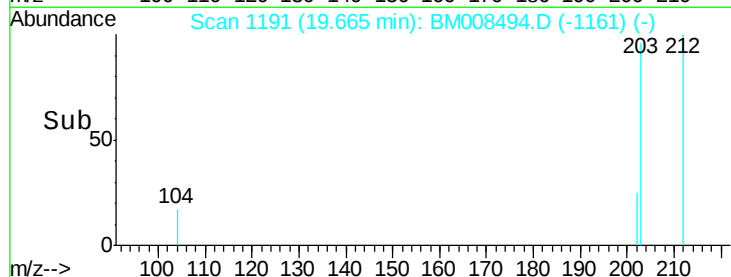
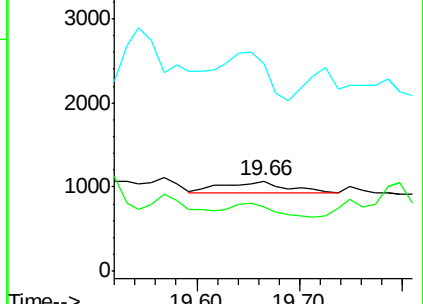
203 229.6 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.63 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.13 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

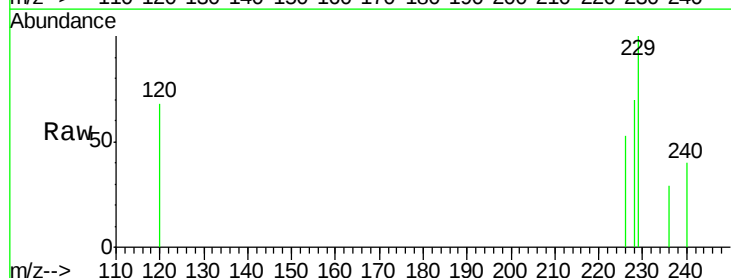
Tgt Ion:228 Resp: 473

Ion Ratio Lower Upper

228 100

226 75.6 22.8 34.2#

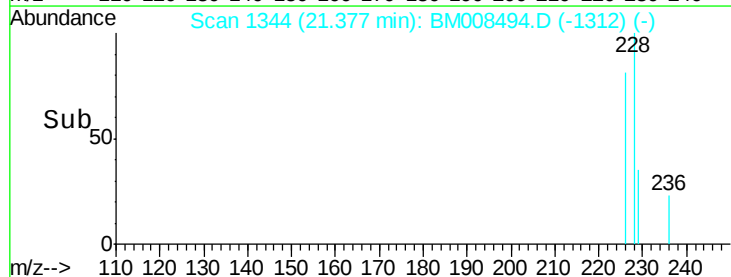
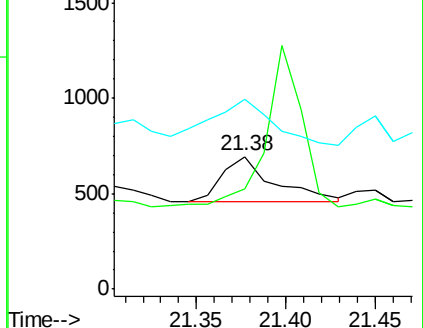
229 142.5 17.0 25.6#

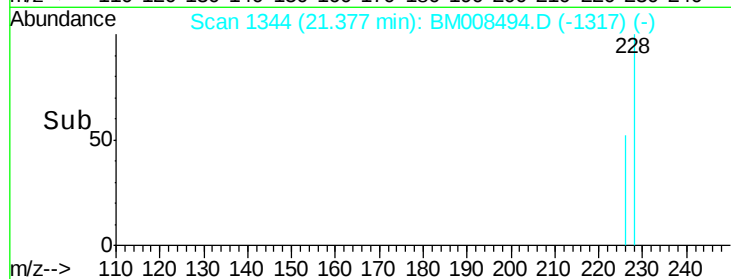
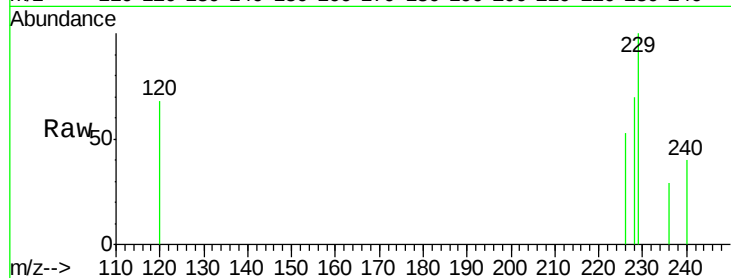
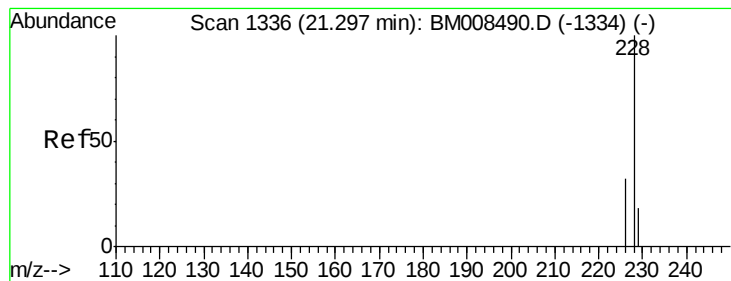


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.57 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.08 min

Lab File: BM008494.D

Acq: 21 Dec 2016 00:05

Instrument :

BNA\_M

ClientSampleId :

DA8T1

Tgt Ion: 228 Resp: 473

Ion Ratio Lower Upper

228 100

226 75.6 23.4 35.0#

229 142.5 17.7 26.5#

