

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060217\  
 Data File : BM010399.D  
 Acq On : 02 Jun 2017 22:12  
 Operator : SJ/MA  
 Sample : I3163-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 03 05:18:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 03 05:17:32 2017  
 Response via : Initial Calibration

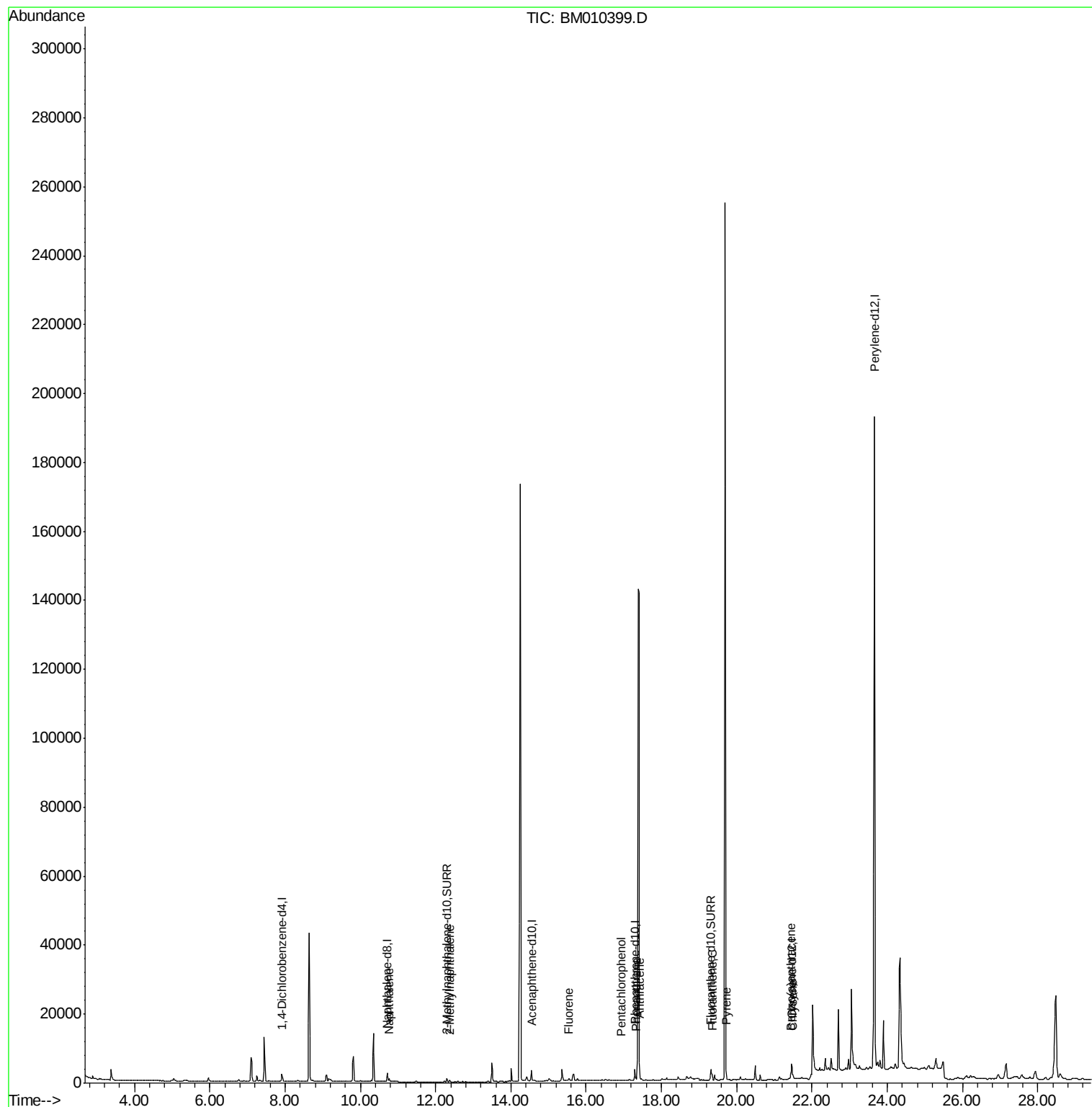
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1159     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.72 | 136  | 3598     | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.55 | 164  | 2108     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.30 | 188  | 4419     | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.46 | 240  | 4003     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.66 | 264  | 243678   | 0.40 | ng/ul  | -0.15    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.30 | 152  | 1218     | 0.23 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.31 | 212  | 3359     | 0.29 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
|                             |       |      |          |      | Ovalue |          |
| 3) Naphthalene              | 10.77 | 128  | 975      | 0.10 | ng/ul# | 86       |
| 5) 2-Methylnaphthalene      | 12.37 | 142  | 363      | 0.05 | ng/ul  | 99       |
| 9) Fluorene                 | 15.55 | 166  | 550      | 0.06 | ng/ul# | 28       |
| 11) Pentachlorophenol       | 16.94 | 266  | 35       | 0.02 | ng/ul# | 76       |
| 12) Phenanthrene            | 17.33 | 178  | 1186     | 0.08 | ng/ul# | 85       |
| 13) Anthracene              | 17.42 | 178  | 445      | 0.03 | ng/ul# | 28       |
| 15) Fluoranthene            | 19.35 | 202  | 1529     | 0.09 | ng/ul  | 64       |
| 17) Pyrene                  | 19.71 | 202  | 1845     | 0.11 | ng/ul# | 72       |
| 18) Benzo(a)anthracene      | 21.43 | 228  | 1441     | 0.09 | ng/ul# | 74       |
| 19) Chrysene                | 21.49 | 228  | 1727     | 0.11 | ng/ul# | 65       |

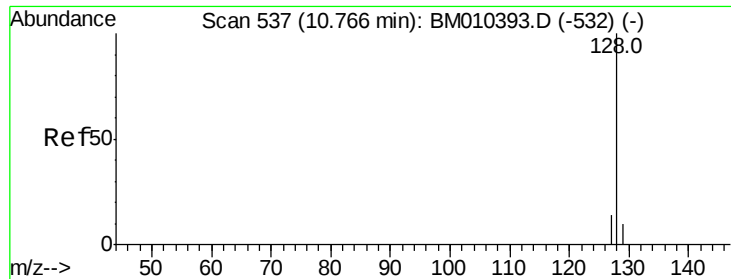
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.77 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

Instrument :

BNA\_M

ClientSampleId :

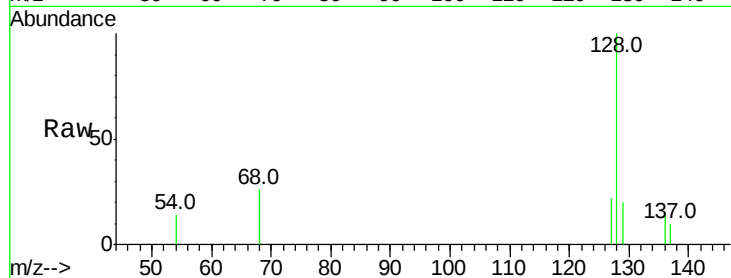
Tot Ion:128 Resp: 975

Ion Ratio Lower Upper

128 100

129 19.9 11.3 16.9#

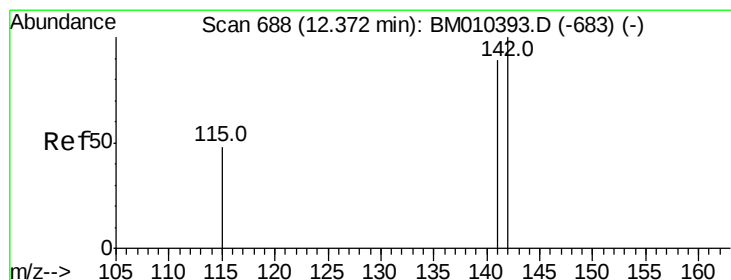
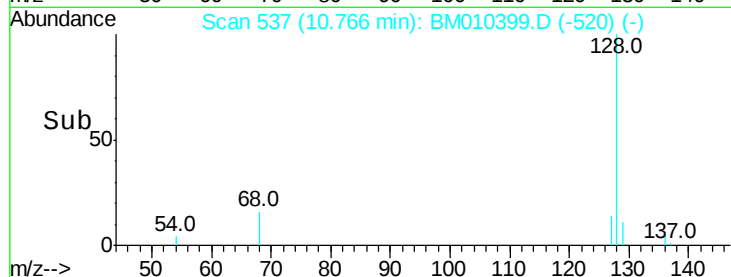
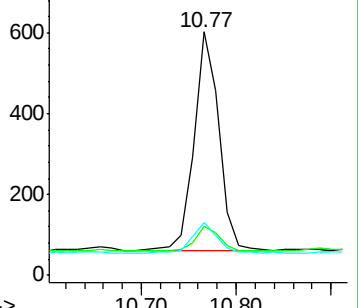
127 21.8 12.8 19.2#



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: 0.05 ng/ul

RT: 12.37 min Scan# 688

Delta R.T. 0.00 min

Lab File: BM010399.D

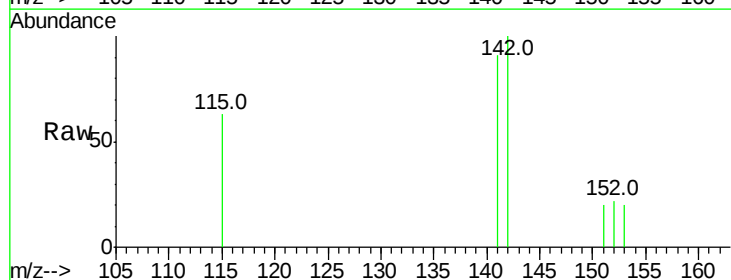
Acq: 02 Jun 2017 22:12

Tgt Ion:142 Resp: 363

Ion Ratio Lower Upper

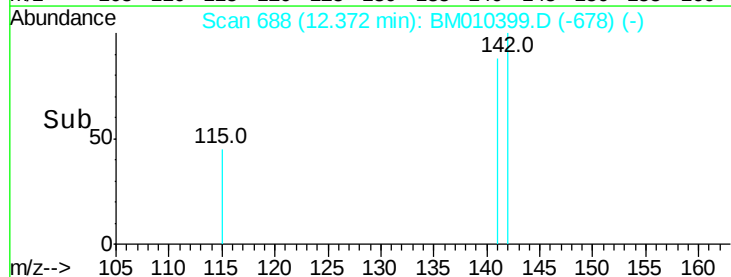
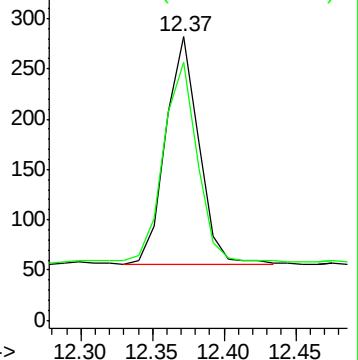
142 100

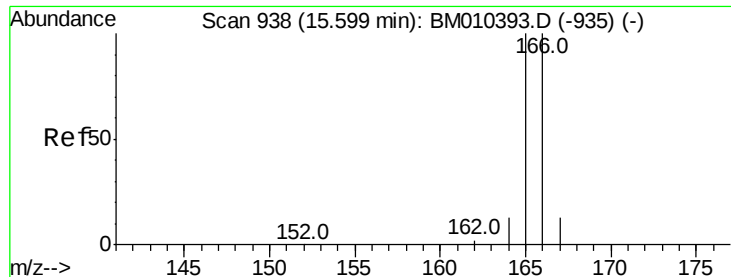
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

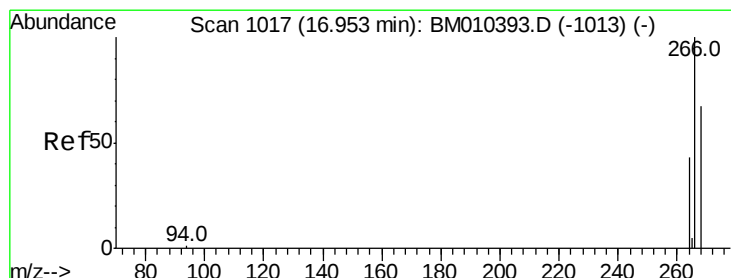
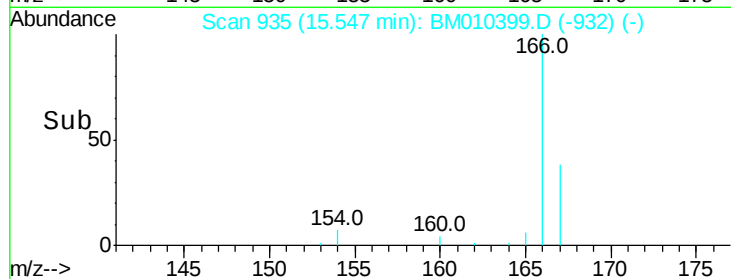
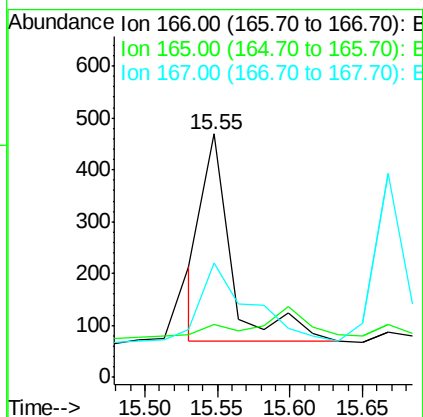
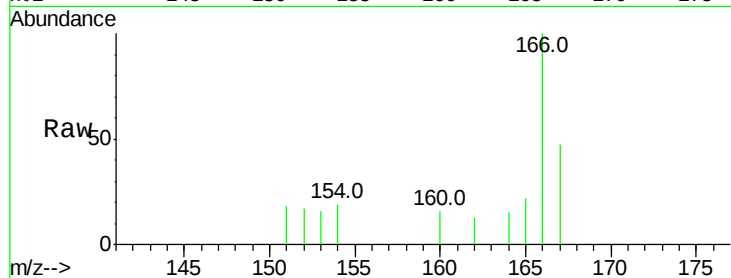




#9  
**Fluorene**  
 Concen: 0.06 ng/ul  
 RT: 15.55 min Scan# 935  
 Delta R.T. -0.05 min  
 Lab File: BM010399.D  
 Acq: 02 Jun 2017 22:12

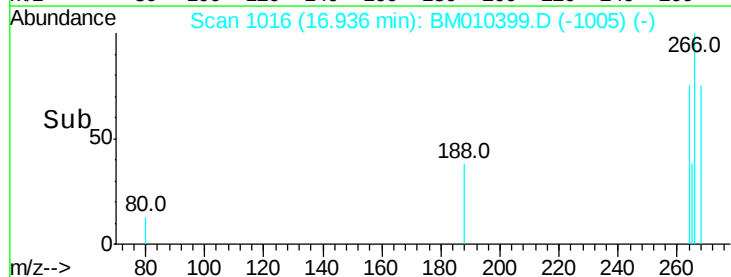
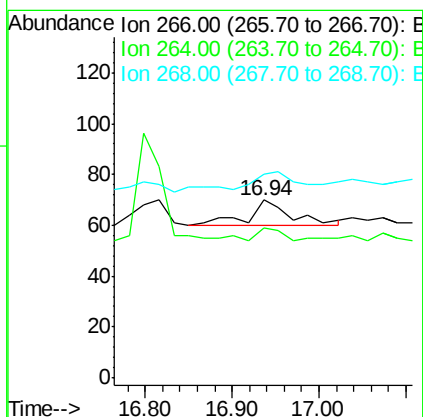
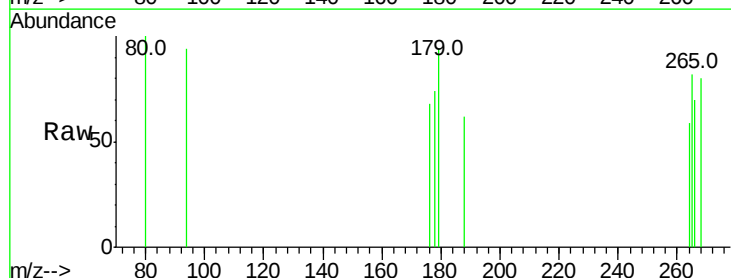
Instrument :  
 BNA\_M  
 ClientSampleId :

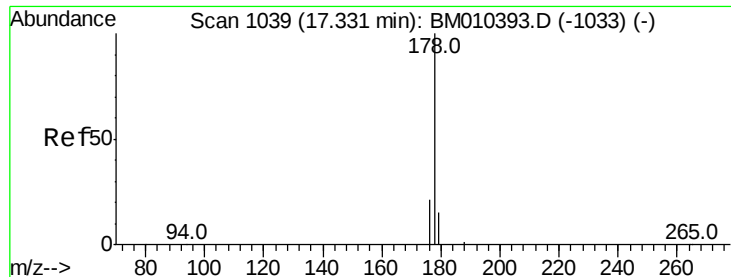
Tot Ion:166 Resp: 550  
 Ion Ratio Lower Upper  
 166 100  
 165 21.5 73.4 110.2#  
 167 47.1 14.6 22.0#



#11  
**Pentachlorophenol**  
 Concen: 0.02 ng/ul  
 RT: 16.94 min Scan# 1016  
 Delta R.T. -0.02 min  
 Lab File: BM010399.D  
 Acq: 02 Jun 2017 22:12

Tgt Ion:266 Resp: 35  
 Ion Ratio Lower Upper  
 266 100  
 264 25.7 47.9 71.9#  
 268 65.7 49.8 74.8





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

Instrument :

BNA\_M

ClientSampleId :

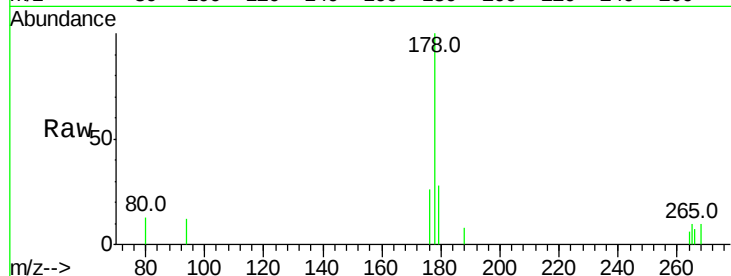
Tot Ion:178 Resp: 1186

Ion Ratio Lower Upper

178 100

176 26.3 18.4 27.6

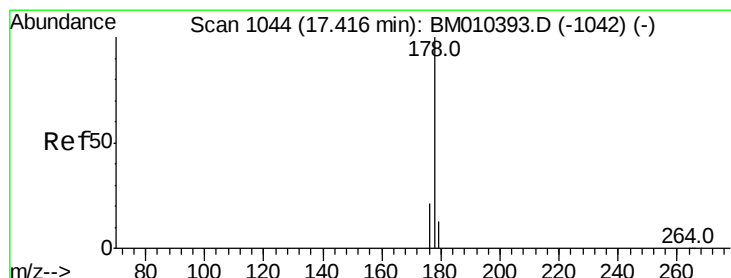
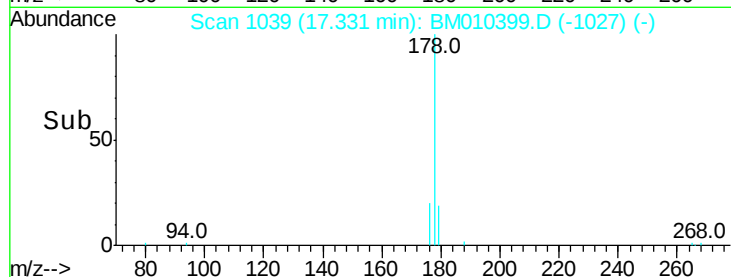
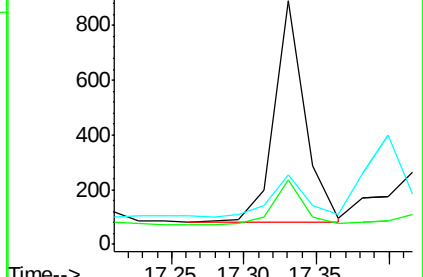
179 28.4 13.6 20.4#



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



#13

Anthracene

Concen: 0.03 ng/ul

RT: 17.42 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

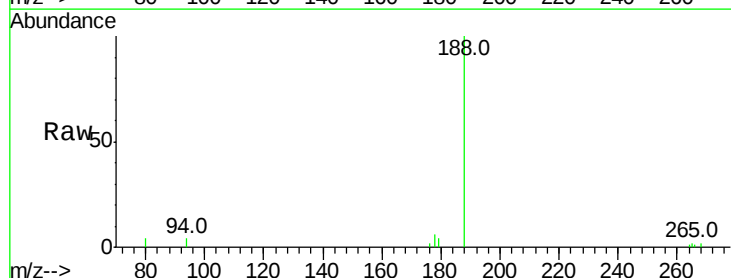
Tgt Ion:178 Resp: 445

Ion Ratio Lower Upper

178 100

176 41.1 18.1 27.1#

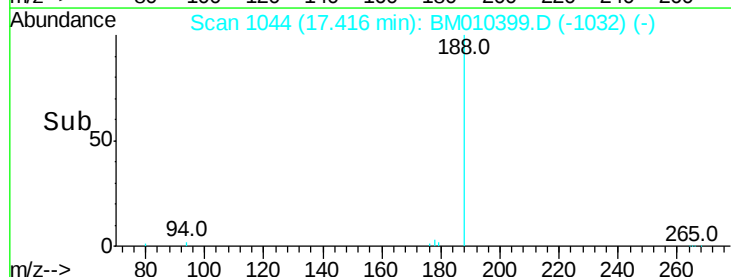
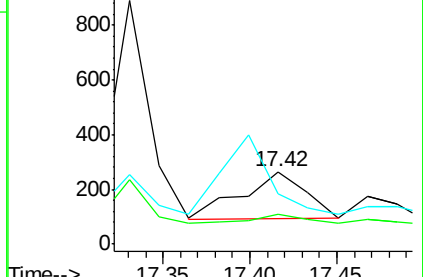
179 69.1 14.7 22.1#

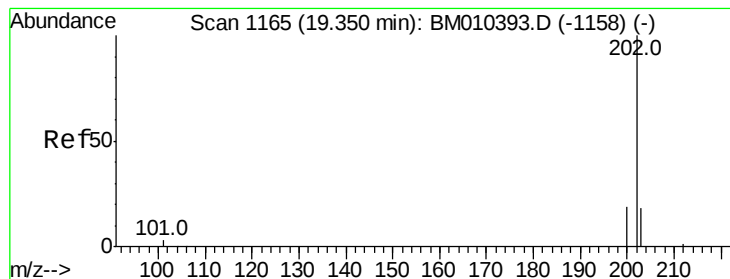


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

Instrument :

BNA\_M

ClientSampleId :

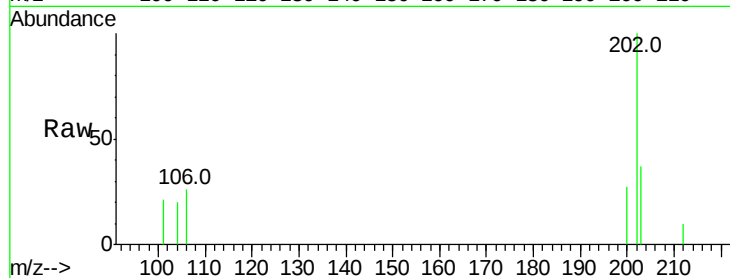
Tot Ion:202 Resp: 1529

Ion Ratio Lower Upper

202 100

101 21.4 0.0 30.3

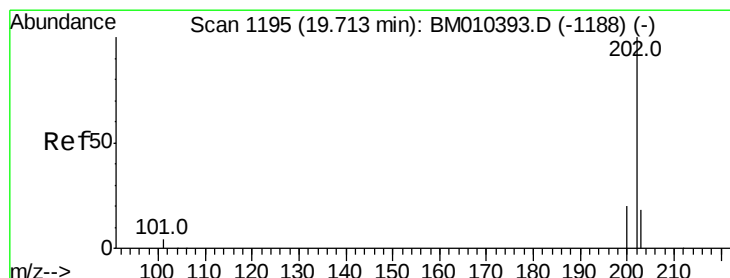
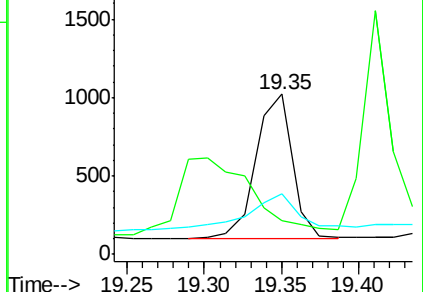
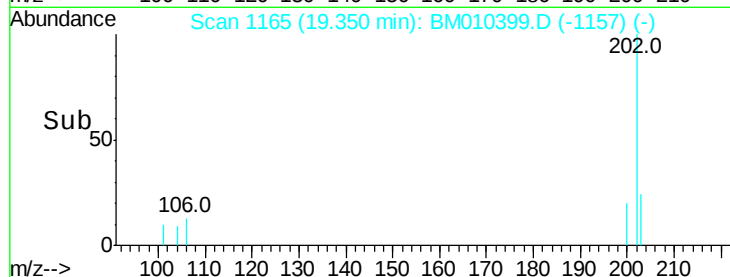
203 37.5 0.0 39.5



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



#17

Pyrene

Concen: 0.11 ng/ul

RT: 19.71 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

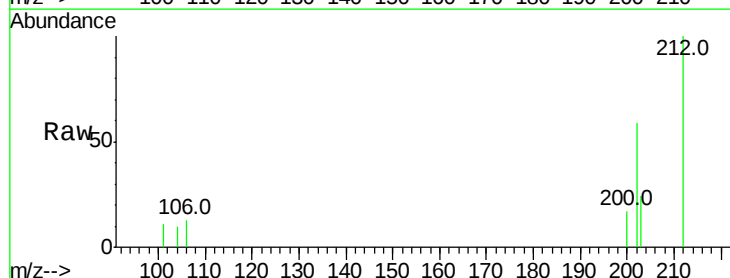
Tgt Ion:202 Resp: 1845

Ion Ratio Lower Upper

202 100

200 29.0 18.2 27.4#

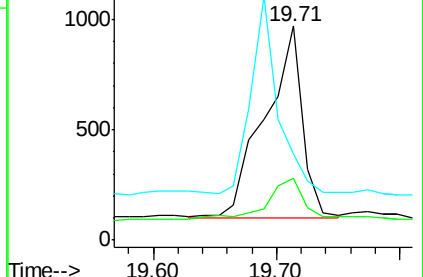
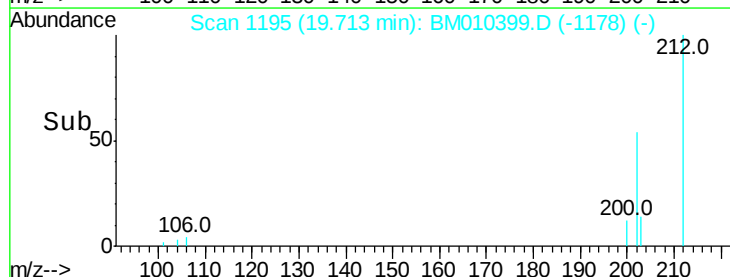
203 40.4 15.6 23.4#

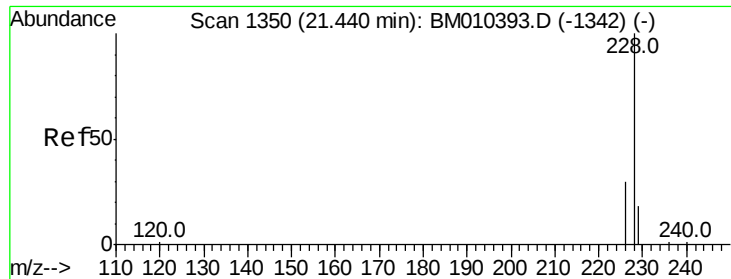


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

Instrument :

BNA\_M

ClientSampleId :

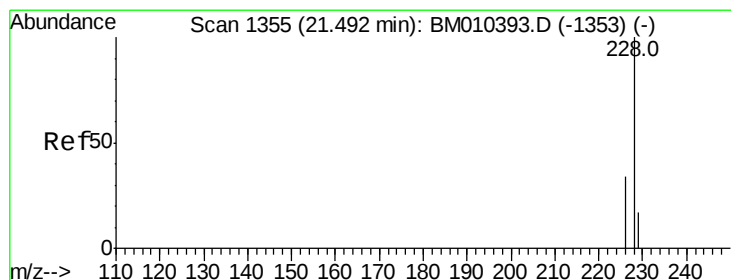
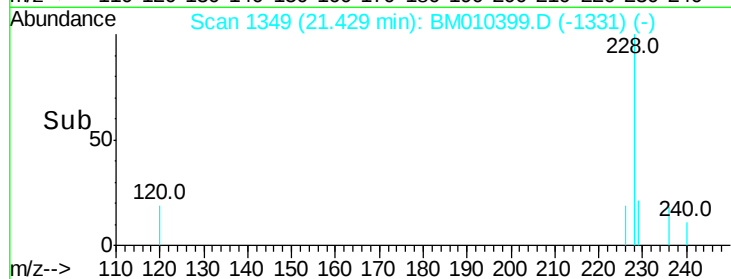
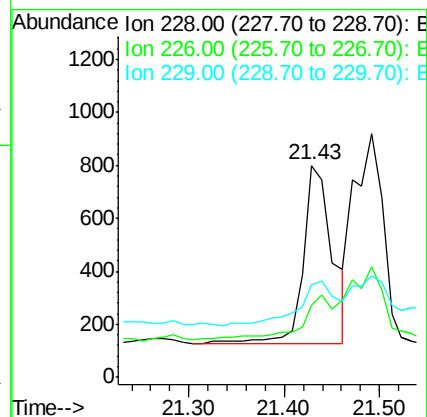
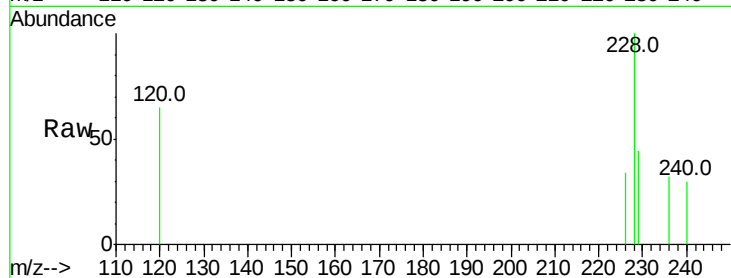
Tot Ion:228 Resp: 1441

Ion Ratio Lower Upper

228 100

226 34.0 22.8 34.2

229 43.7 17.0 25.6#



#19

Chrysene

Concen: 0.11 ng/ul

RT: 21.49 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BM010399.D

Acq: 02 Jun 2017 22:12

Tgt Ion:228 Resp: 1727

Ion Ratio Lower Upper

228 100

226 45.3 23.4 35.0#

229 41.6 17.7 26.5#

