

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM032118\  
 Data File : BM014647.D  
 Acq On : 21 Mar 2018 18:43  
 Operator : SJ/JU  
 Sample : J1935-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 22 01:50:40 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 22 01:49:10 2018  
 Response via : Initial Calibration

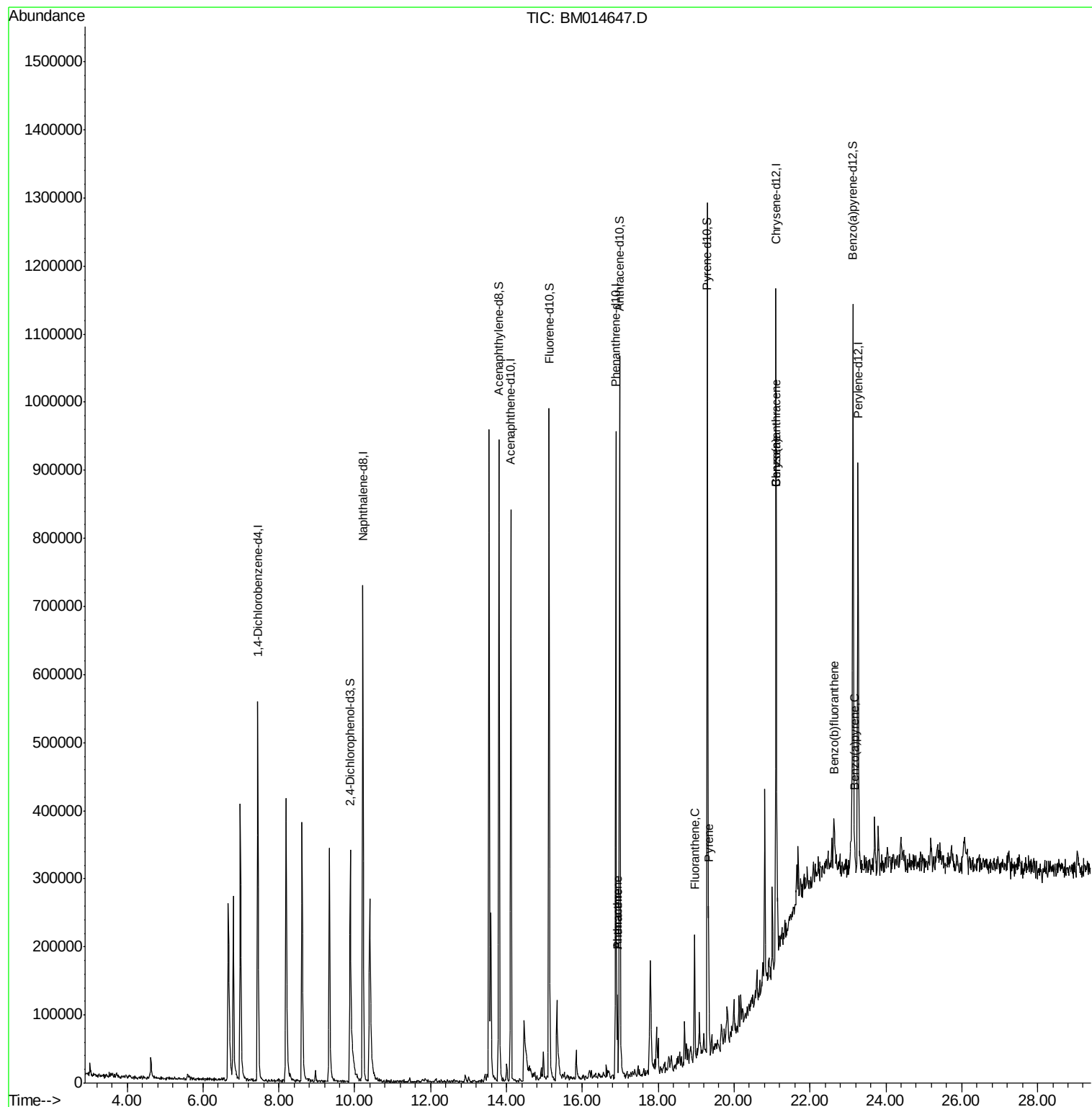
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.45  | 152  | 132078   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.22 | 136  | 515540   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.11 | 164  | 253317   | 20.00  | ng/ul  | -0.01    |
| 12) Phenanthrene-d10        | 16.88 | 188  | 479328   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.11 | 240  | 403227   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.27 | 264  | 376373   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 9.89  | 165  | 117934   | 14.80  | ng/ul  | 0.01     |
| 7) Acenaphthylene-d8        | 13.80 | 160  | 596293   | 22.03  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.12 | 176  | 379530   | 21.40  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 16.99 | 188  | 548792   | 23.92  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.30 | 212  | 586997   | 24.22  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 23.13 | 264  | 452976   | 24.88  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 14) Phenanthrene            | 16.93 | 178  | 61012    | 2.273  | ng/ul  | 98       |
| 16) Anthracene              | 16.93 | 178  | 61012    | 2.274  | ng/ul  | 97       |
| 17) Fluoranthene            | 18.96 | 202  | 80861    | 2.654  | ng/ul# | 95       |
| 20) Pyrene                  | 19.33 | 202  | 110735   | 3.652  | ng/ul# | 97       |
| 21) Benzo(a)anthracene      | 21.09 | 228  | 37867    | 1.485  | ng/ul  | 98       |
| 22) Chrysene                | 21.09 | 228  | 37867    | 1.615  | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.63 | 252  | 38052    | 1.608  | ng/ul# | 77       |
| 27) Benzo(a)pyrene          | 23.18 | 252  | 30725    | 1.368  | ng/ul# | 94       |

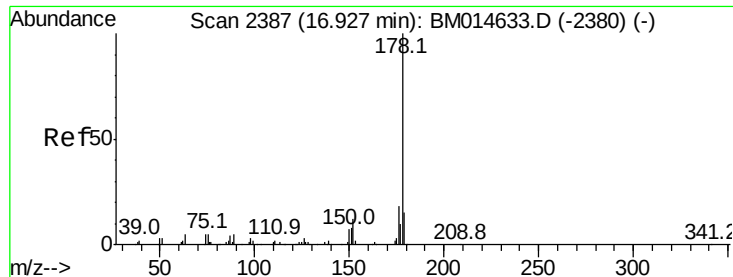
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 2.273 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

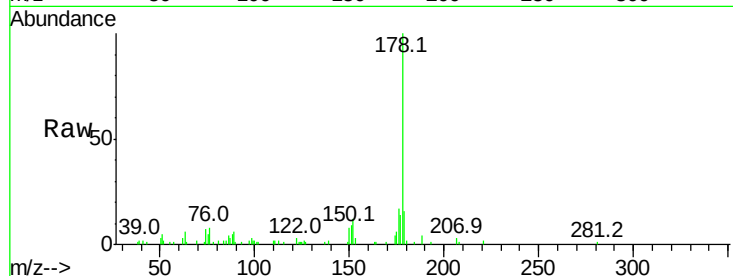
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:178 Resp: 61012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.8  | 12.6  | 19.0  |
| 176 | 17.1  | 14.9  | 22.3  |

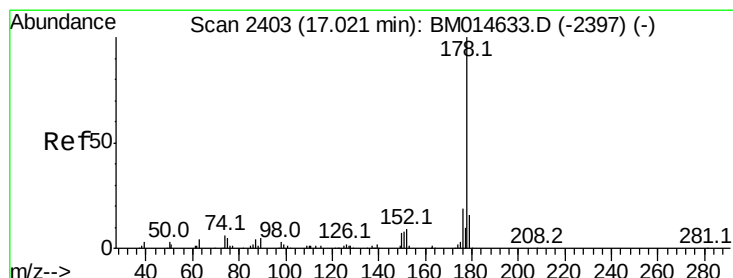
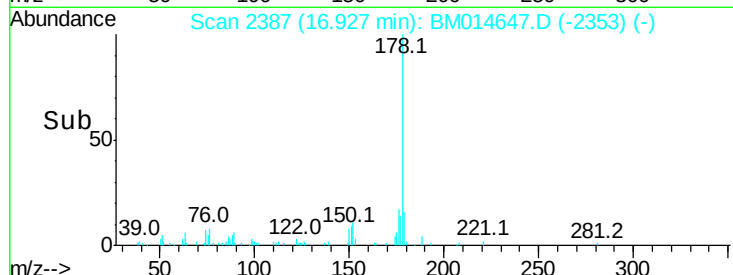
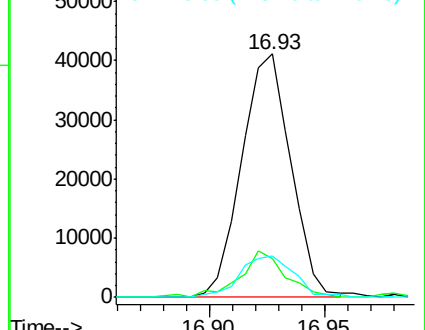


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 2.274 ng/ul

RT: 16.93 min Scan# 2387

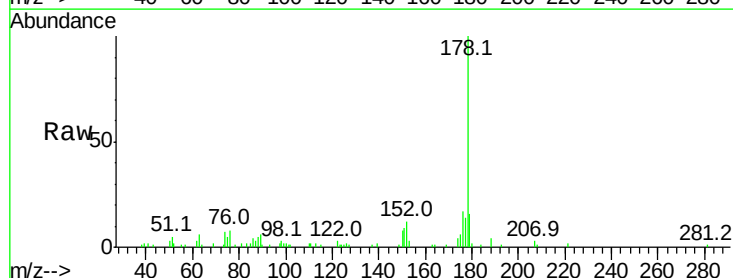
Delta R.T. -0.09 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

Tgt Ion:178 Resp: 61012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.8  | 11.7  | 17.5  |
| 176 | 17.1  | 14.6  | 21.8  |

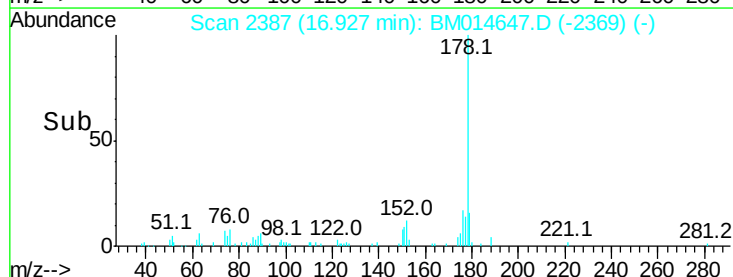
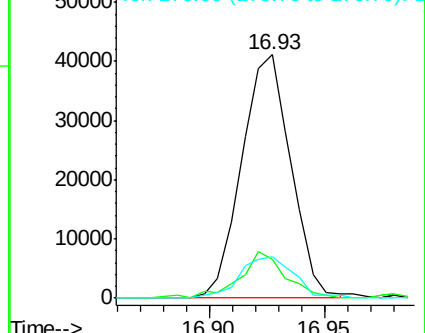


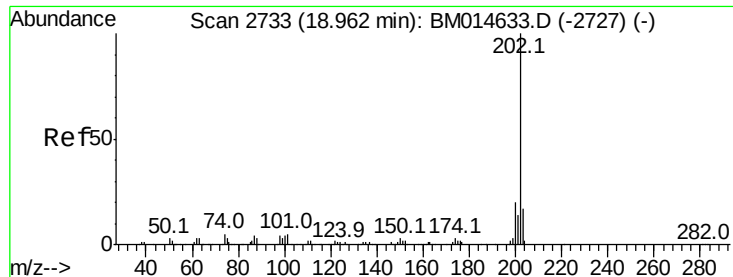
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

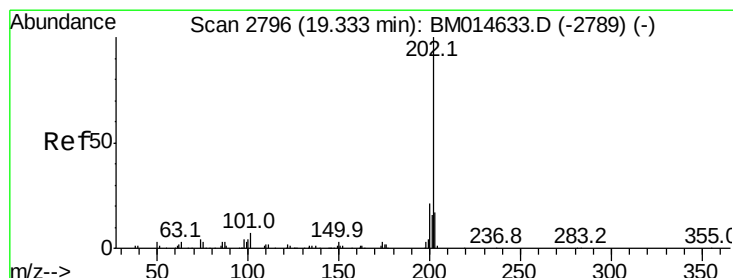
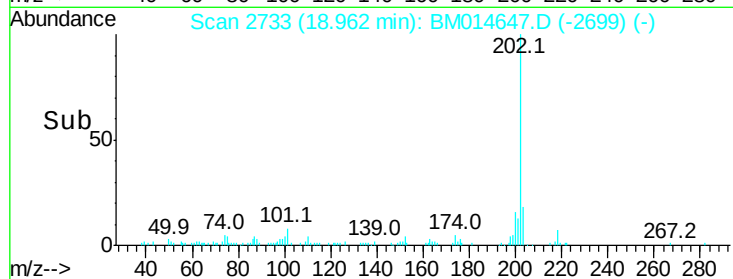
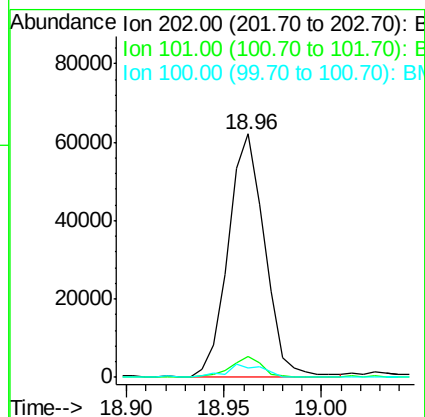
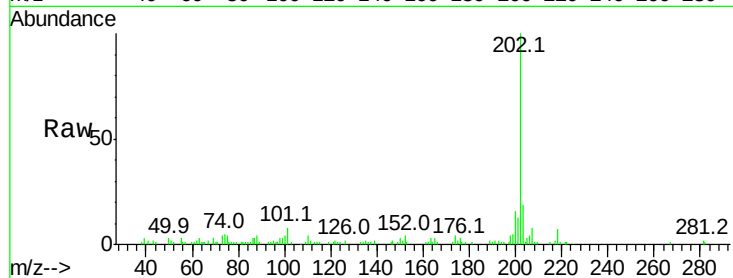




#17  
Fluoranthene  
Concen: 2.654 ng/ul  
RT: 18.96 min Scan# 2733  
Delta R.T. 0.00 min  
Lab File: BM014647.D  
Acq: 21 Mar 2018 18:43

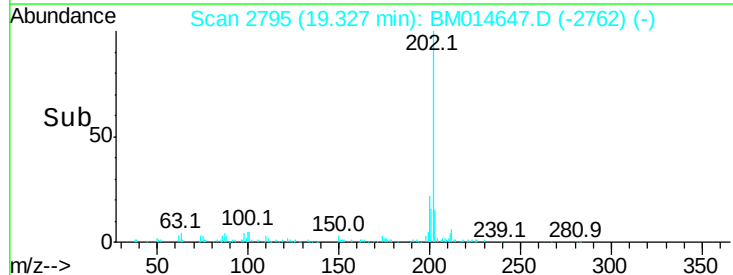
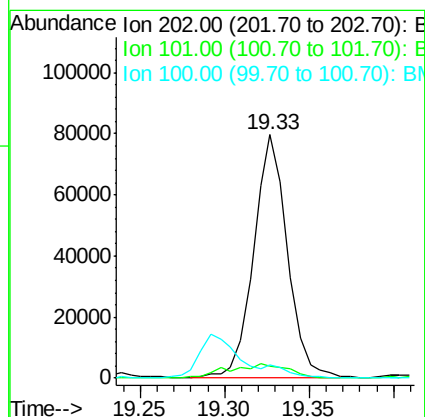
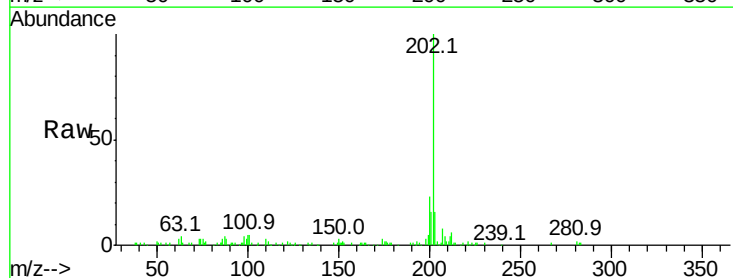
Instrument :  
BNA\_M  
ClientSampleId :

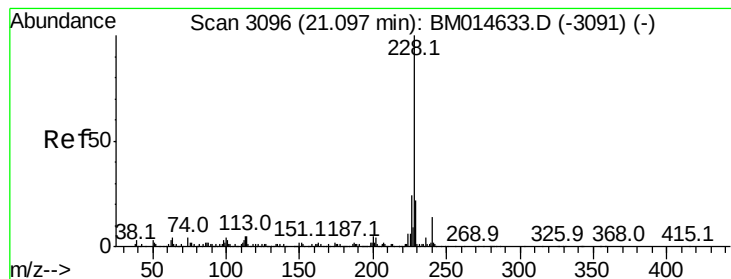
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 4.6   | 7.0#  |
| 100     | 3.8   | 3.4   | 5.2   |



#20  
Pyrene  
Concen: 3.652 ng/ul  
RT: 19.33 min Scan# 2795  
Delta R.T. -0.01 min  
Lab File: BM014647.D  
Acq: 21 Mar 2018 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 5.0   | 5.1   | 7.7#  |
| 100     | 5.3   | 4.9   | 7.3   |





#21

Benzo(a)anthracene

Concen: 1.485 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

Instrument :

BNA\_M

ClientSampleId :

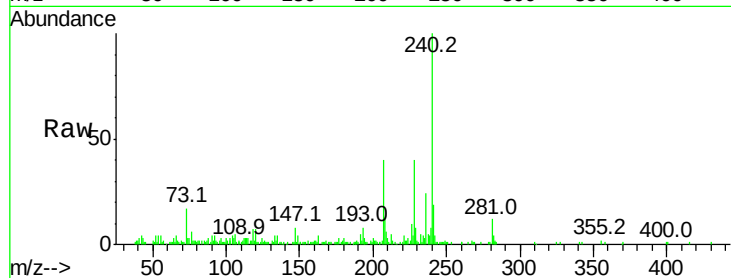
Tot Ion:228 Resp: 37867

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

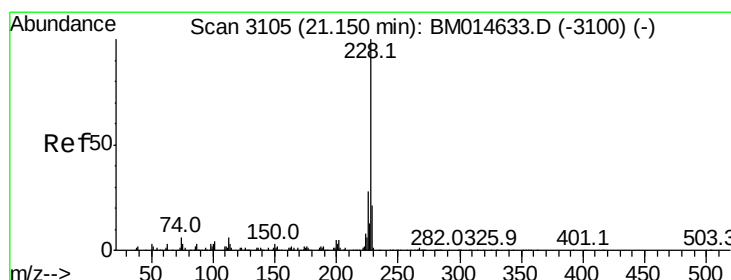
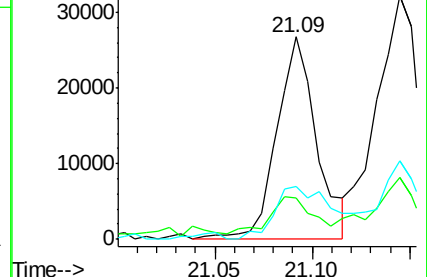
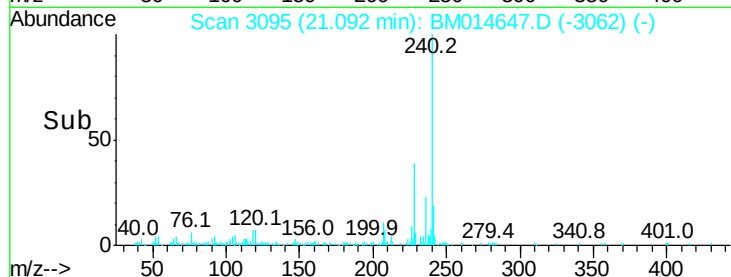
226 26.2 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 1.615 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.06 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

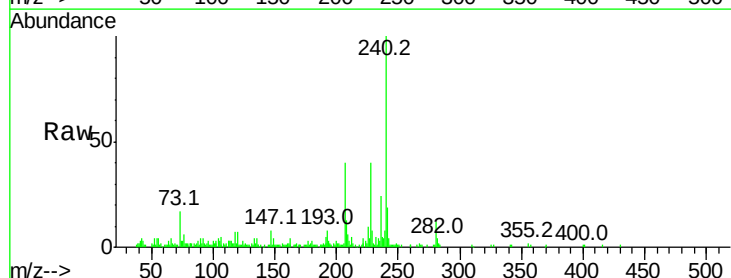
Tgt Ion:228 Resp: 37867

Ion Ratio Lower Upper

228 100

226 26.2 23.4 35.2

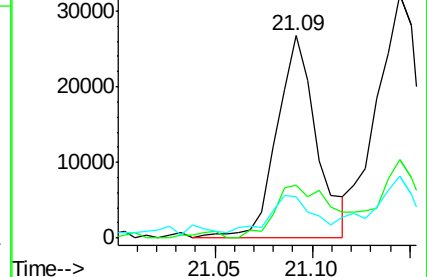
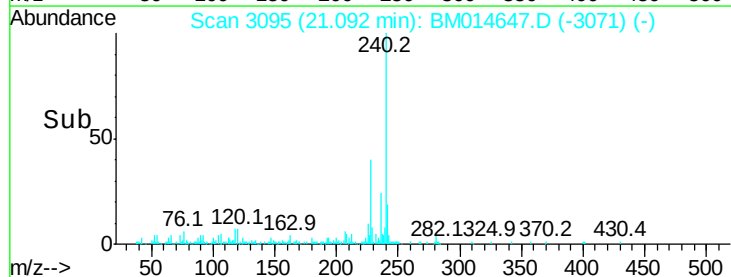
229 20.5 15.5 23.3

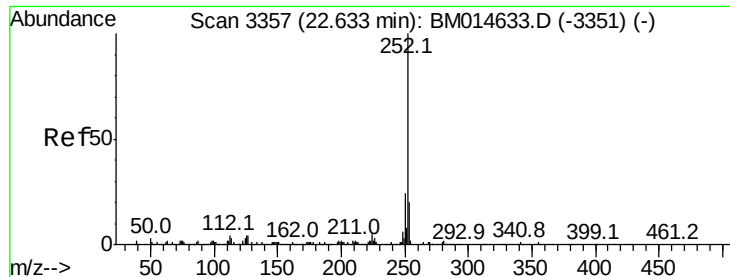


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 1.608 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

Instrument :

BNA\_M

ClientSampleId :

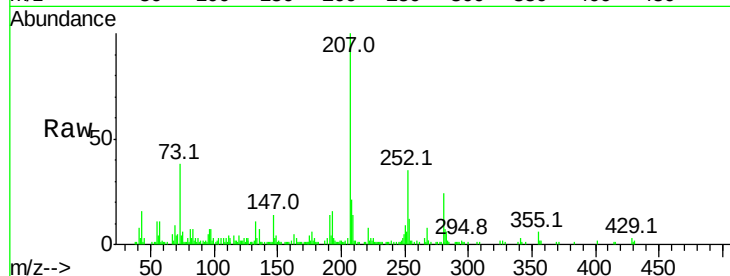
Tot Ion:252 Resp: 38052

Ion Ratio Lower Upper

252 100

253 34.8 17.9 26.9#

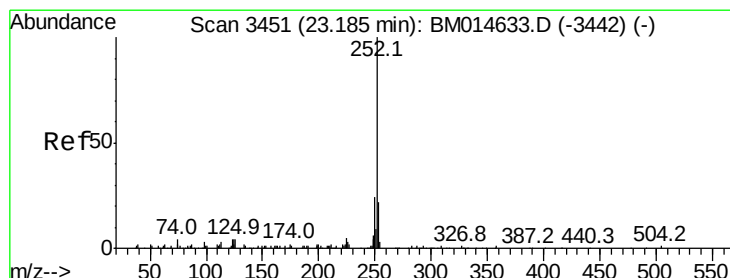
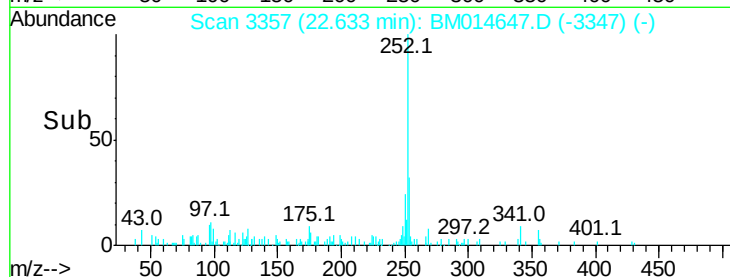
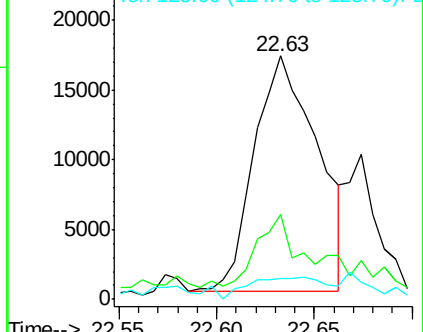
125 8.3 3.6 5.4#



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



#27

Benzo(a)pyrene

Concen: 1.368 ng/ul

RT: 23.18 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM014647.D

Acq: 21 Mar 2018 18:43

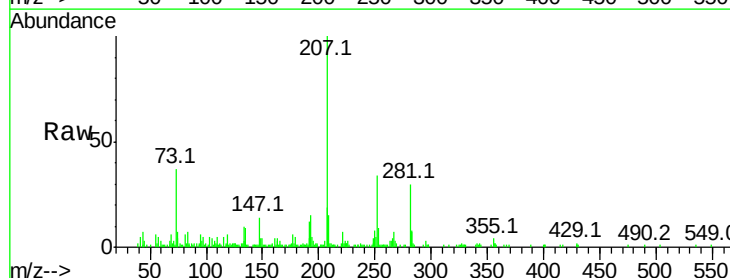
Tgt Ion:252 Resp: 30725

Ion Ratio Lower Upper

252 100

253 25.9 18.2 27.2

125 6.3 4.0 6.0#



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

