

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050318\  
 Data File : BM014956.D  
 Acq On : 03 May 2018 23:13  
 Operator : SJ/JU  
 Sample : J2554-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF0

Quant Time: May 04 06:38:47 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 04 05:51:01 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.49  | 152  | 406352   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.33 | 136  | 1678272  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.10 | 164  | 824331   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.81 | 188  | 1632679  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 1561251  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.37 | 264  | 1709381  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.64  | 96  | 35366   | 3.80  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.62  | 99  | 614905  | 19.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.79  | 67  | 449689  | 22.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.01  | 132 | 533928  | 20.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.19  | 113 | 418964  | 16.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.67  | 128 | 237554  | 19.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.40 | 143 | 243520  | 20.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.94 | 165 | 430056  | 17.52 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 576466  | 23.79 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.49 | 166 | 1223179 | 19.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 1471129 | 18.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.26 | 143 | 157840  | 13.22 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.07 | 176 | 1036700 | 18.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.17 | 200 | 111649  | 12.64 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.90 | 188 | 1435942 | 18.87 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.14 | 212 | 1500946 | 20.32 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.22 | 264 | 1718460 | 20.46 | ng/ul | 0.00 |

## Target Compounds

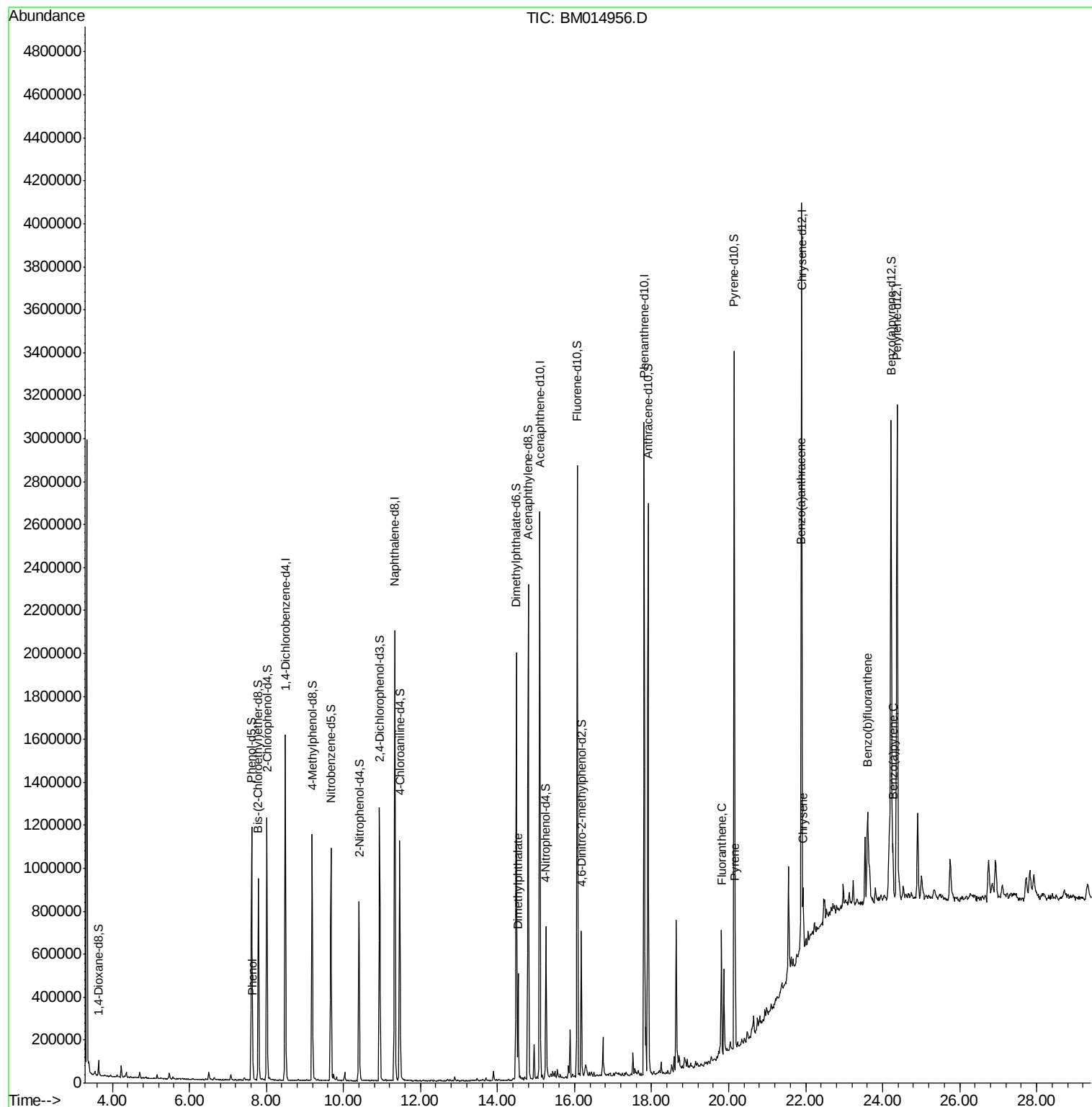
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                | 7.65  | 94  | 43712  | 1.414  | ng/ul# 83 |
| 44) Dimethylphthalate    | 14.53 | 163 | 273840 | 4.402  | ng/ul 98  |
| 74) Fluoranthene         | 19.82 | 202 | 318132 | 3.328  | ng/ul# 79 |
| 77) Pyrene               | 20.17 | 202 | 288485 | 3.163  | ng/ul# 77 |
| 80) Benzo(a)anthracene   | 21.88 | 228 | 167456 | 1.834  | ng/ul 97  |
| 82) Chrysene             | 21.94 | 228 | 161301 | 1.887  | ng/ul 96  |
| 85) Benzo(b)fluoranthene | 23.62 | 252 | 251057 | 2.491  | ng/ul# 92 |
| 88) Benzo(a)pyrene       | 24.27 | 252 | 180015 | 1.883  | ng/ul# 93 |

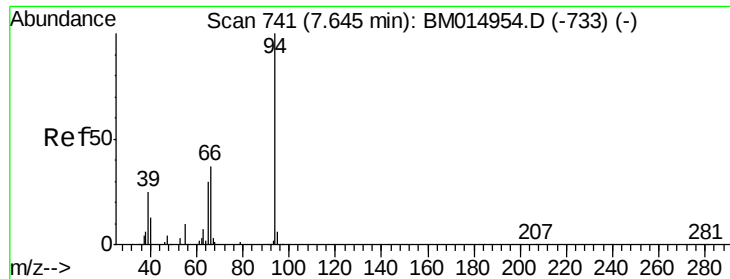
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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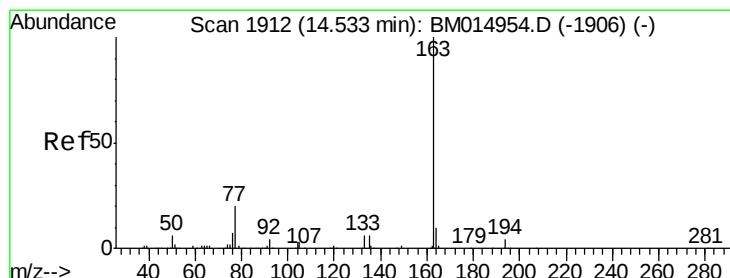
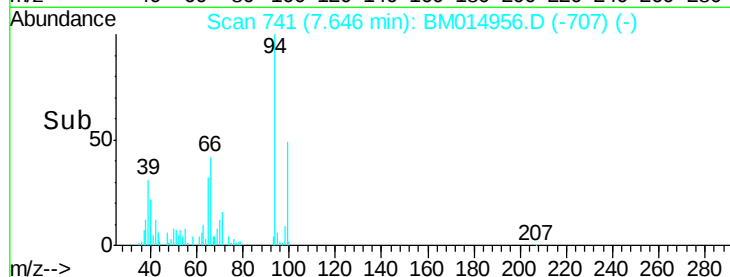
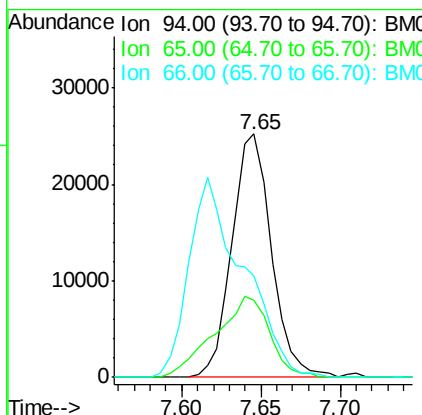
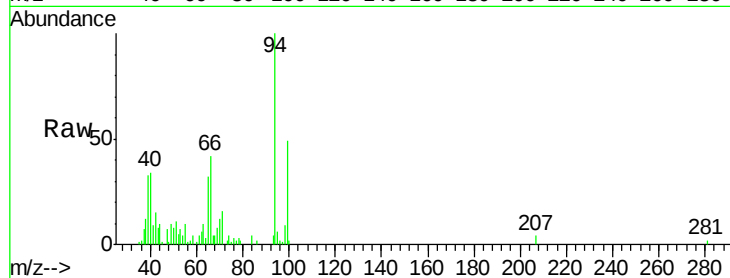
#6

Phenol

Concen: 1.414 ng/ul  
 RT: 7.65 min Scan# 741  
 Delta R.T. 0.00 min  
 Lab File: BM014956.D  
 Acq: 03 May 2018 23:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF0

Tot Ion: 94 Resp: 43712  
 Ion Ratio Lower Upper  
 94 100  
 65 31.8 28.2 42.4  
 66 41.8 47.2 70.8#

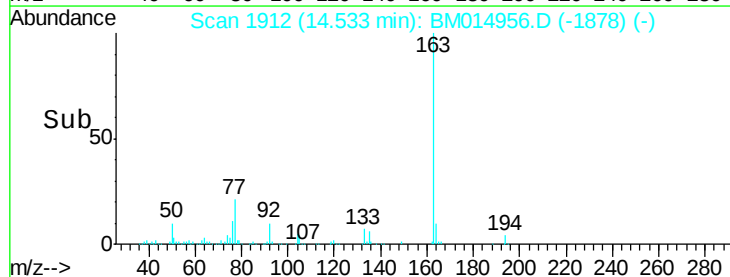
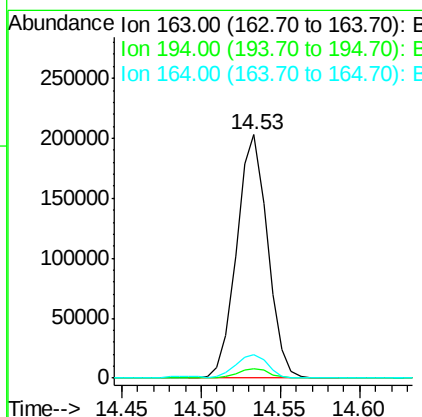
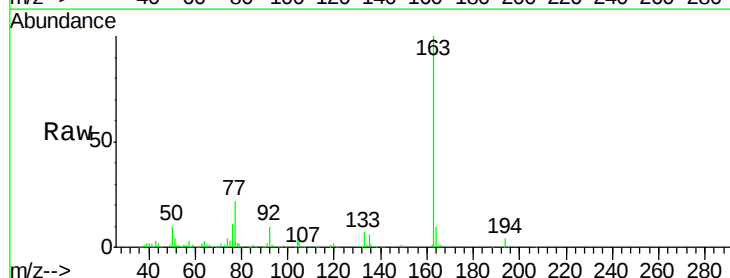


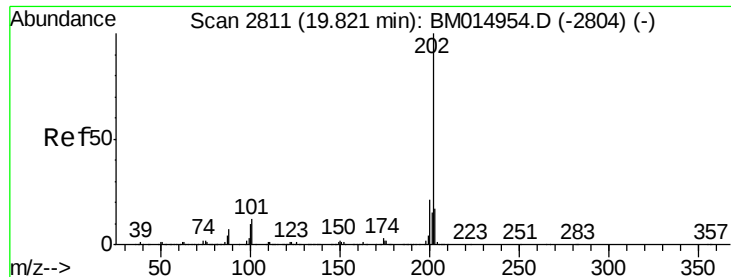
#44

Dimethylphthalate

Concen: 4.402 ng/ul  
 RT: 14.53 min Scan# 1912  
 Delta R.T. 0.00 min  
 Lab File: BM014956.D  
 Acq: 03 May 2018 23:13

Tgt Ion: 163 Resp: 273840  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 3.5 5.3  
 164 9.7 8.2 12.4





#74

Fluoranthene

Concen: 3.328 ng/ul

RT: 19.82 min Scan# 2810

Delta R.T. -0.01 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

Instrument :

BNA\_M

ClientSampleId :

C0AF0

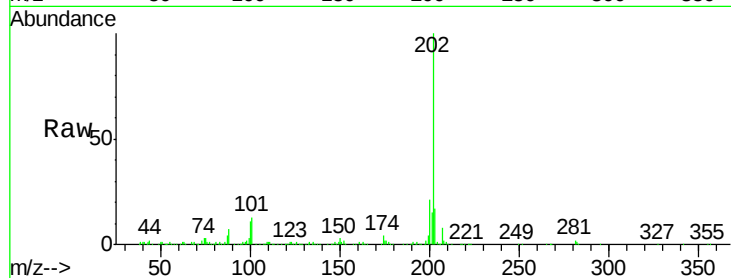
Tot Ion:202 Resp: 318132

Ion Ratio Lower Upper

202 100

101 13.0 4.6 7.0#

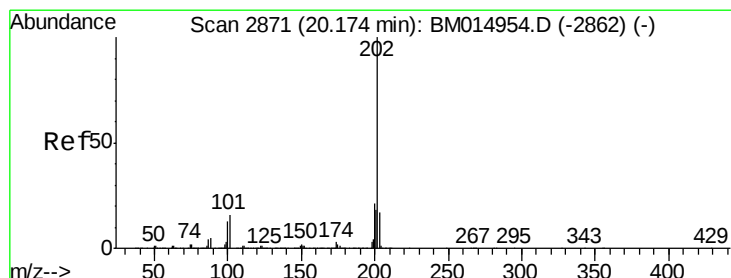
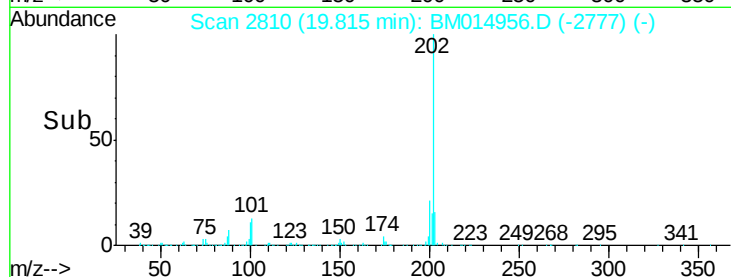
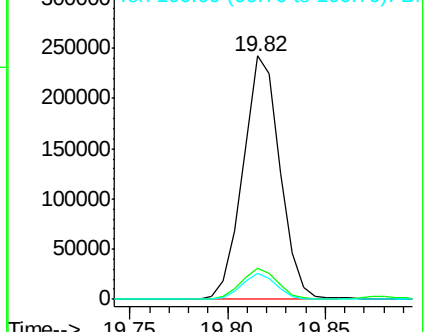
100 10.6 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 3.163 ng/ul

RT: 20.17 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

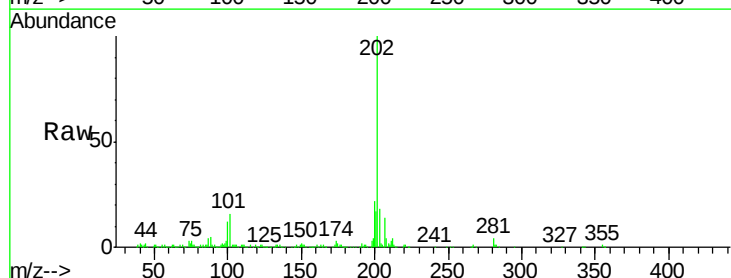
Tgt Ion:202 Resp: 288485

Ion Ratio Lower Upper

202 100

101 15.6 5.1 7.7#

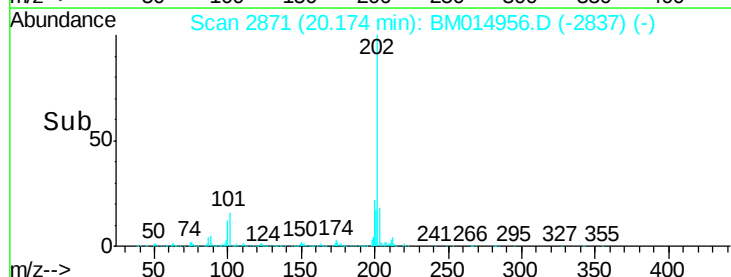
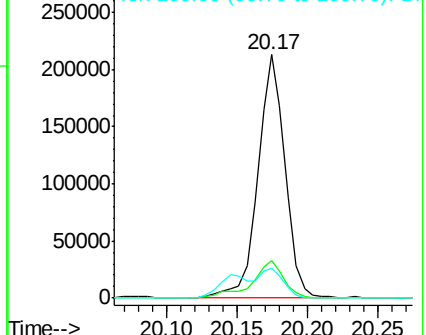
100 12.4 4.9 7.3#

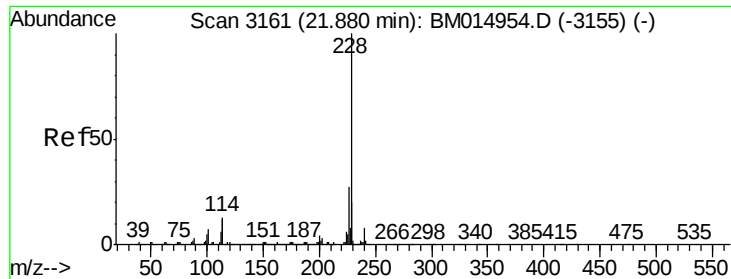


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.834 ng/ul

RT: 21.88 min Scan# 3161

Delta R.T. 0.00 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

Instrument :

BNA\_M

ClientSampleId :

C0AF0

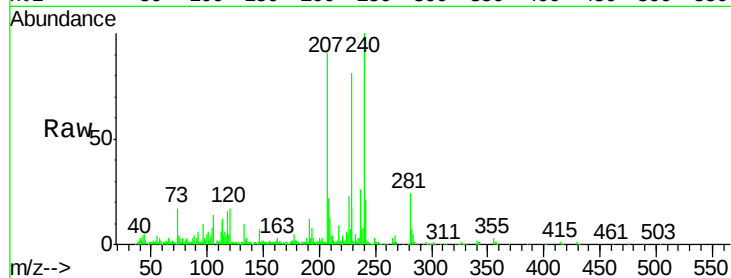
Tot Ion:228 Resp: 167456

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

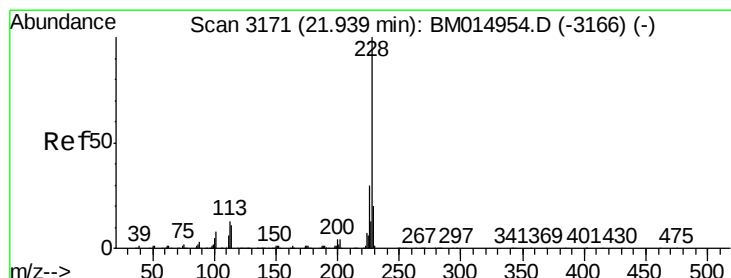
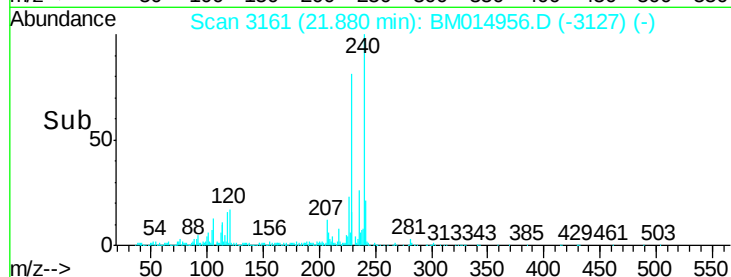
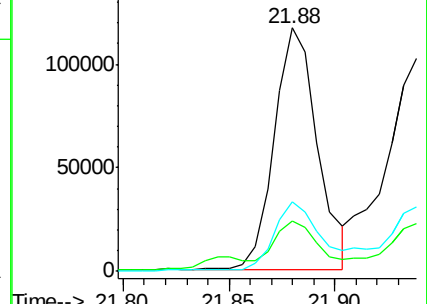
226 28.3 21.4 32.0



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



#82

Chrysene

Concen: 1.887 ng/ul

RT: 21.94 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

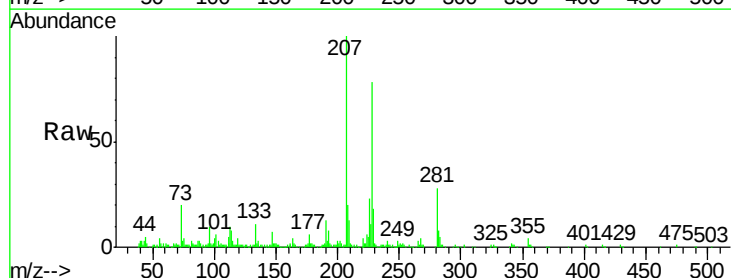
Tgt Ion:228 Resp: 161301

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

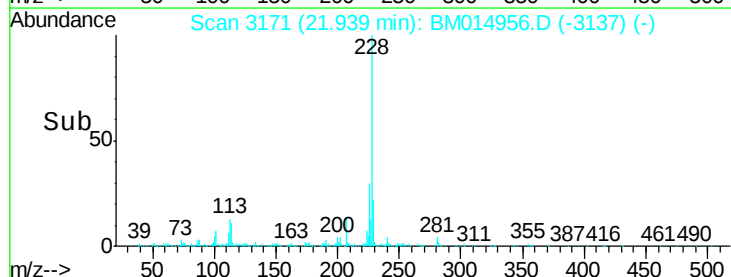
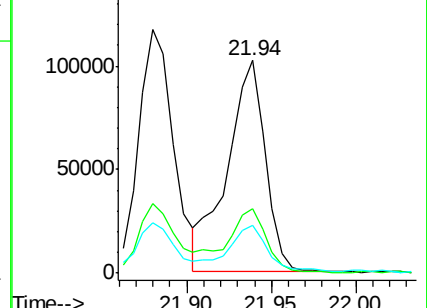
229 22.6 15.5 23.3

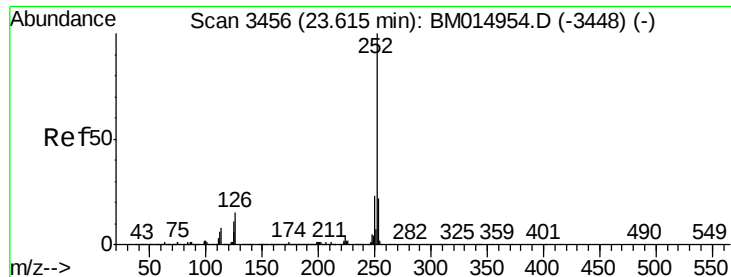


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.491 ng/ul

RT: 23.62 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

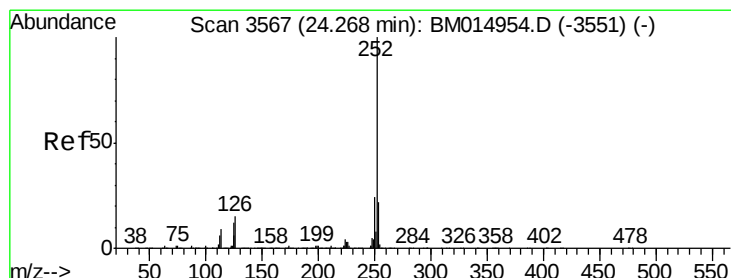
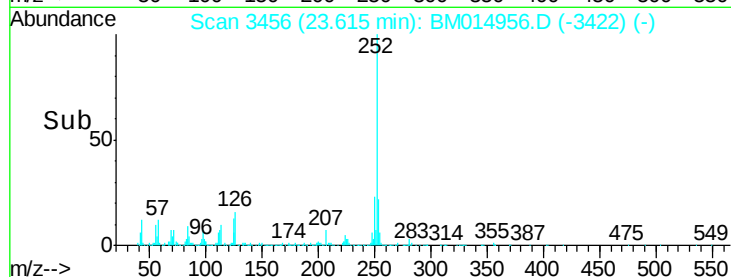
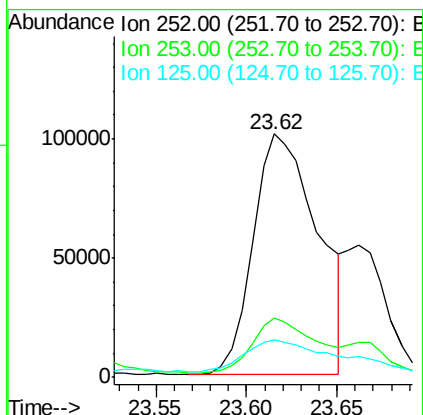
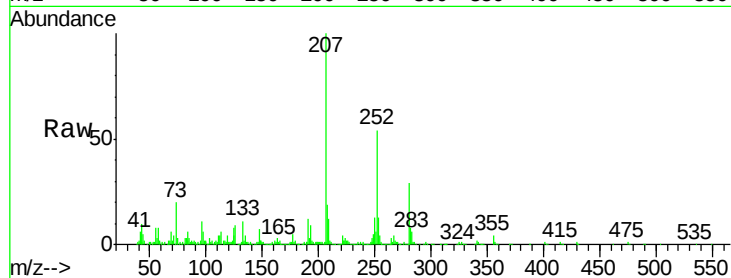
Instrument :

BNA\_M

ClientSampleId :

C0AF0

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 252   | Resp: | 251057 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 24.1  | 17.9  | 26.9   |
| 125      | 15.2  | 3.6   | 5.4#   |



#88

Benzo(a)pyrene

Concen: 1.883 ng/ul

RT: 24.27 min Scan# 3567

Delta R.T. 0.00 min

Lab File: BM014956.D

Acq: 03 May 2018 23:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 180015 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 24.1  | 18.2  | 27.2   |
| 125      | 13.9  | 4.0   | 6.0#   |

