

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062519\  
 Data File : BM021201.D  
 Acq On : 26 Jun 2019 20:42  
 Operator : HP/JU  
 Sample : K3501-03  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C5AC3

Quant Time: Jun 27 04:23:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 27 00:42:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 237188   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 1067075  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 719216   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1713435  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.34 | 240  | 1331094  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.61 | 264  | 1302568  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 15166   | 3.04  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.93  | 99  | 398358  | 19.30 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 242268  | 19.70 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 332347  | 19.81 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 359505  | 20.86 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 182364  | 21.05 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 211653  | 22.01 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 419944  | 21.47 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 490807  | 24.06 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1513300 | 23.29 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 1708092 | 21.47 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 176066  | 16.66 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.40 | 176 | 1325212 | 23.44 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 173215  | 16.44 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.25 | 188 | 2043387 | 22.95 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.55 | 212 | 2137138 | 26.76 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 1720776 | 22.39 | ng/ul | -0.01 |

## Target Compounds

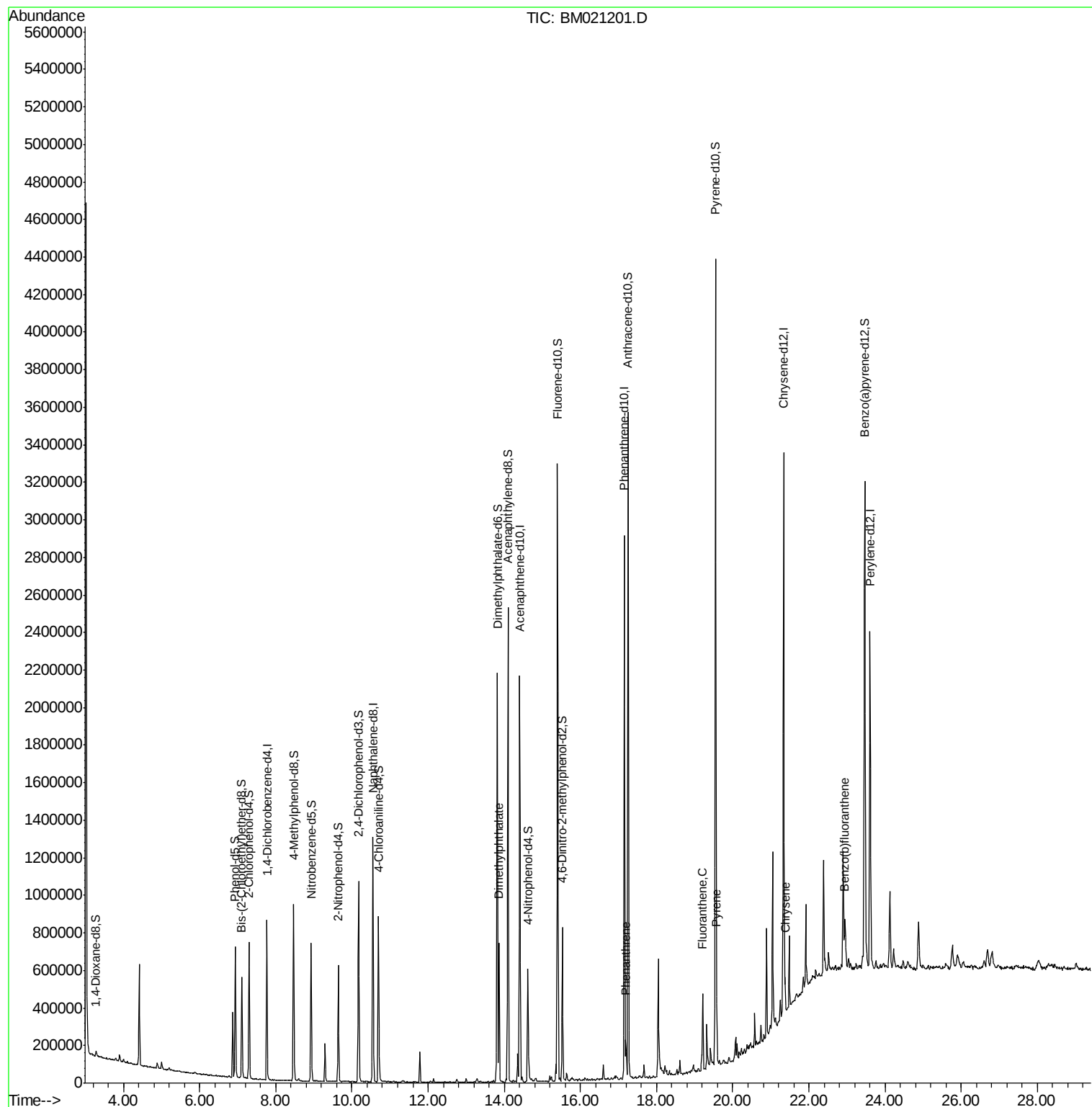
|                          |       |     |        |       |        | Qvalue |
|--------------------------|-------|-----|--------|-------|--------|--------|
| 44) Dimethylphthalate    | 13.86 | 163 | 487948 | 8.248 | ng/ul  | 98     |
| 69) Phenanthrene         | 17.20 | 178 | 120353 | 1.270 | ng/ul  | 99     |
| 76) Fluoranthene         | 19.21 | 202 | 226313 | 2.210 | ng/ul  | 98     |
| 79) Pyrene               | 19.57 | 202 | 190092 | 2.020 | ng/ul  | 97     |
| 84) Chrysene             | 21.37 | 228 | 97679  | 1.149 | ng/ul  | 97     |
| 87) Benzo(b)fluoranthene | 22.93 | 252 | 122311 | 1.482 | ng/ul# | 95     |

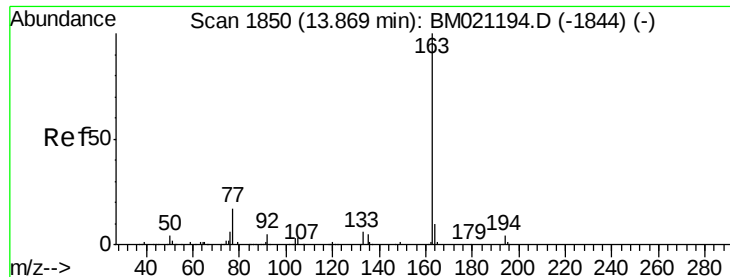
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 27 00:42:34 2019  
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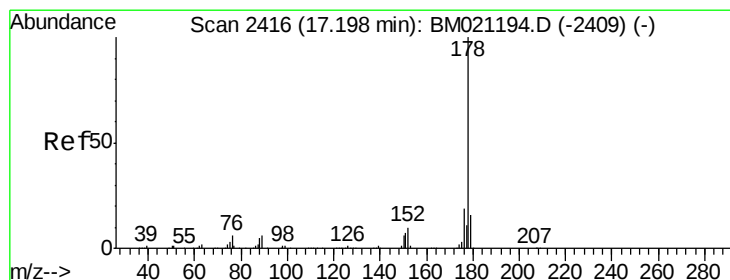
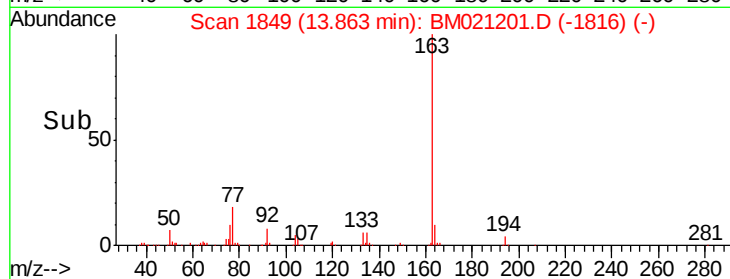
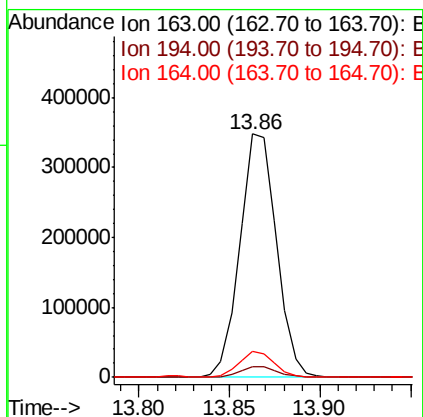
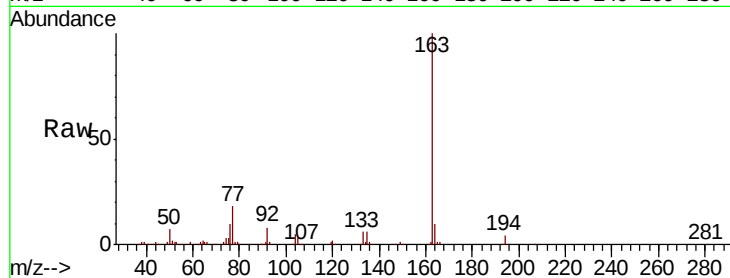




#44  
Dimethylphthalate  
Concen: 8.248 ng/ul  
RT: 13.86 min Scan# 1849  
Delta R.T. -0.01 min  
Lab File: BM021201.D  
Acq: 26 Jun 2019 20:42

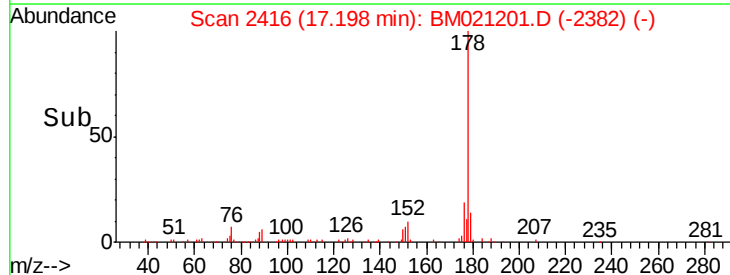
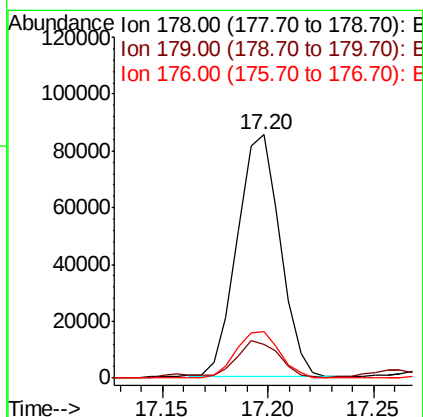
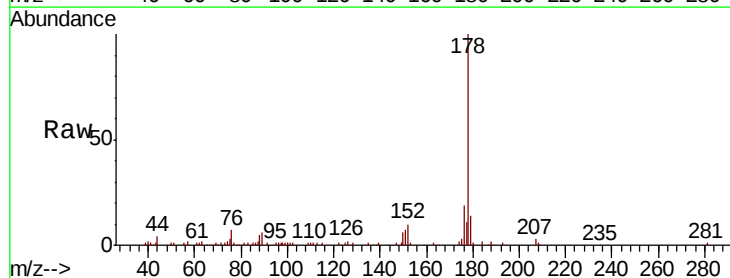
Instrument :  
BNA\_M  
ClientSampleId :  
C5AC3

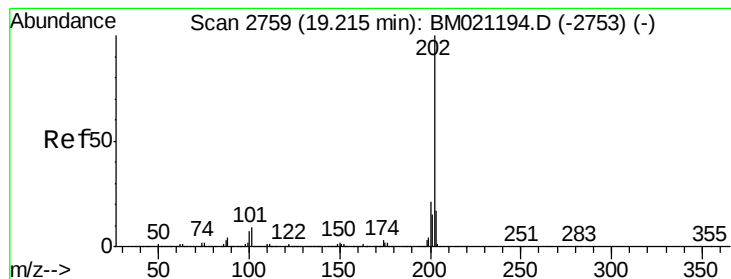
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.2   |
| 164     | 10.4  | 7.7   | 11.5  |



#69  
Phenanthrene  
Concen: 1.270 ng/ul  
RT: 17.20 min Scan# 2416  
Delta R.T. 0.00 min  
Lab File: BM021201.D  
Acq: 26 Jun 2019 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 13.9  | 11.8  | 17.8  |
| 176     | 19.1  | 15.0  | 22.6  |





#76

Fluoranthene

Concen: 2.210 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. -0.01 min

Lab File: BM021201.D

Acq: 26 Jun 2019 20:42

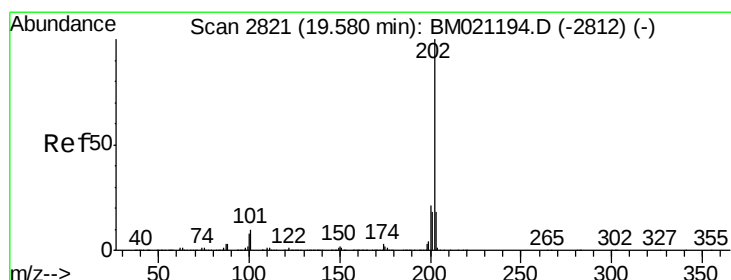
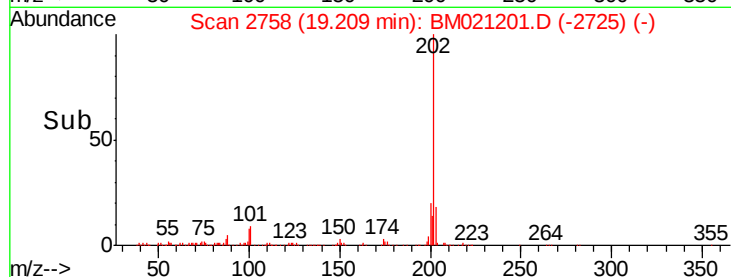
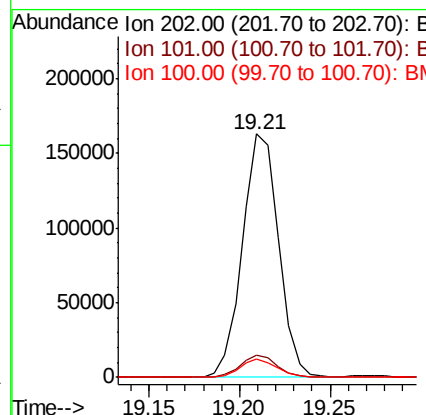
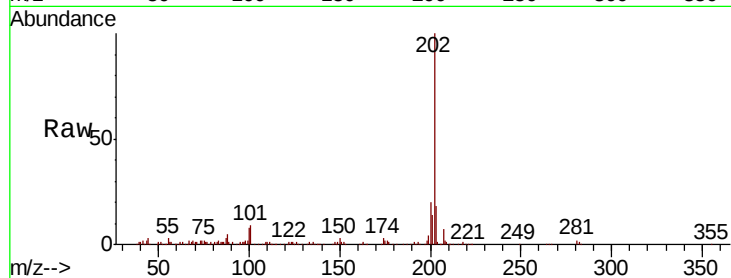
Instrument :

BNA\_M

ClientSampleId :

C5AC3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 226313 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.3   | 6.7   | 10.1   |
| 100       | 7.5   | 5.5   | 8.3    |



#79

Pyrene

Concen: 2.020 ng/ul

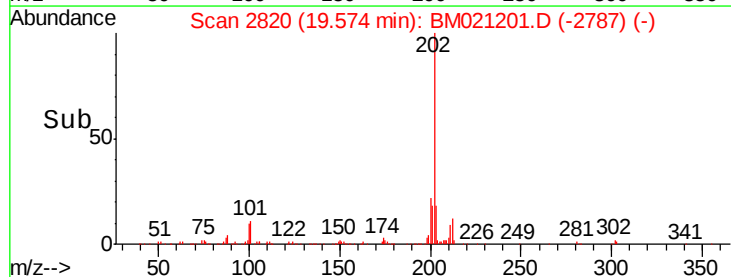
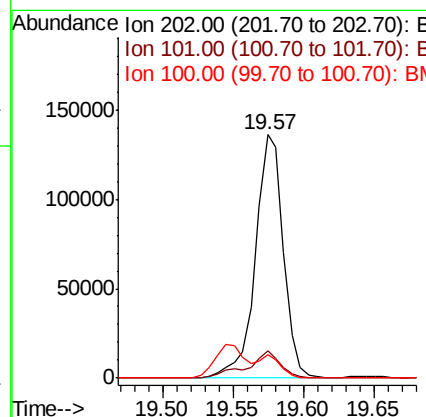
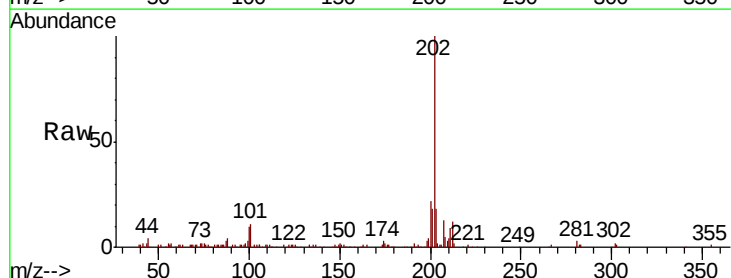
RT: 19.57 min Scan# 2820

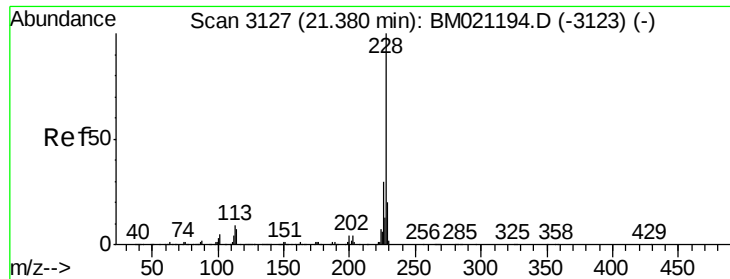
Delta R.T. -0.01 min

Lab File: BM021201.D

Acq: 26 Jun 2019 20:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 190092 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.2  | 8.1   | 12.1   |
| 100       | 9.7   | 6.6   | 10.0   |





#84

Chrysene

Concen: 1.149 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021201.D

Acq: 26 Jun 2019 20:42

Instrument :

BNA\_M

ClientSampleId :

C5AC3

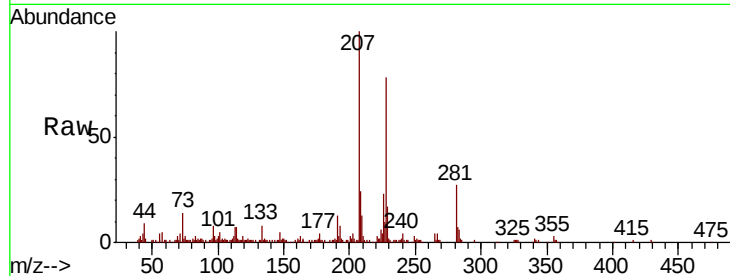
Tgt Ion:228 Resp: 97679

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 22.4 15.4 23.2

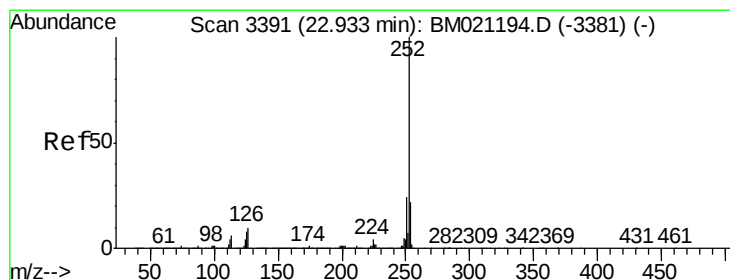
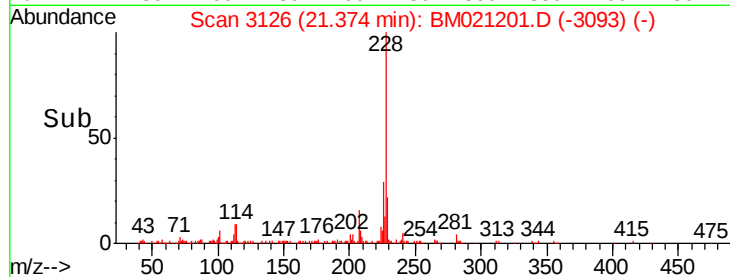
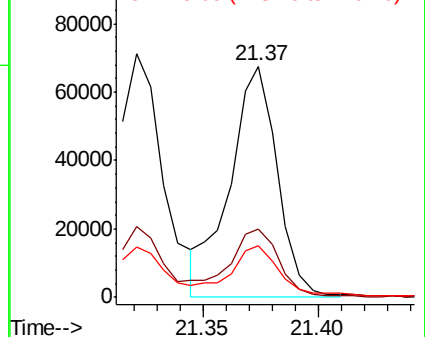


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 1.482 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.01 min

Lab File: BM021201.D

Acq: 26 Jun 2019 20:42

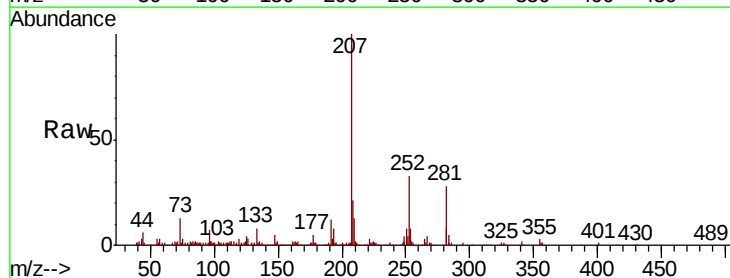
Tgt Ion:252 Resp: 122311

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.6 6.3 9.5#



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

