

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062519\  
 Data File : BM021191.D  
 Acq On : 26 Jun 2019 14:39  
 Operator : HP/JU  
 Sample : K3501-12  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C6AC6

Quant Time: Jun 27 04:25:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 26 01:32:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 230965   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 1048548  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 701781   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1633558  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.34 | 240  | 1178941  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.61 | 264  | 1193548  | 20.00 | ng/ul | -0.01    |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96   | 14860    | 3.06  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.93  | 99   | 376357   | 18.72 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67   | 233155   | 19.47 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.30  | 132  | 317352   | 19.43 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.47  | 113  | 298638   | 17.80 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.93  | 128  | 175125   | 20.57 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.65  | 143  | 204807   | 21.67 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165  | 408808   | 21.27 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.70 | 131  | 370733   | 18.50 | ng/ul | 0.00     |
| 43) Dimethylphthalate-d6       | 13.82 | 166  | 1455869  | 22.96 | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 14.10 | 160  | 1638943  | 21.11 | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.62 | 143  | 152222   | 14.76 | ng/ul | 0.00     |
| 57) Fluorene-d10               | 15.40 | 176  | 1254081  | 22.74 | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200  | 157181   | 15.65 | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.26 | 188  | 1914978  | 22.56 | ng/ul | 0.00     |
| 78) Pyrene-d10                 | 19.55 | 212  | 1852043  | 26.18 | ng/ul | 0.00     |
| 89) Benzo(a)pyrene-d12         | 23.47 | 264  | 1521772  | 21.61 | ng/ul | 0.00     |

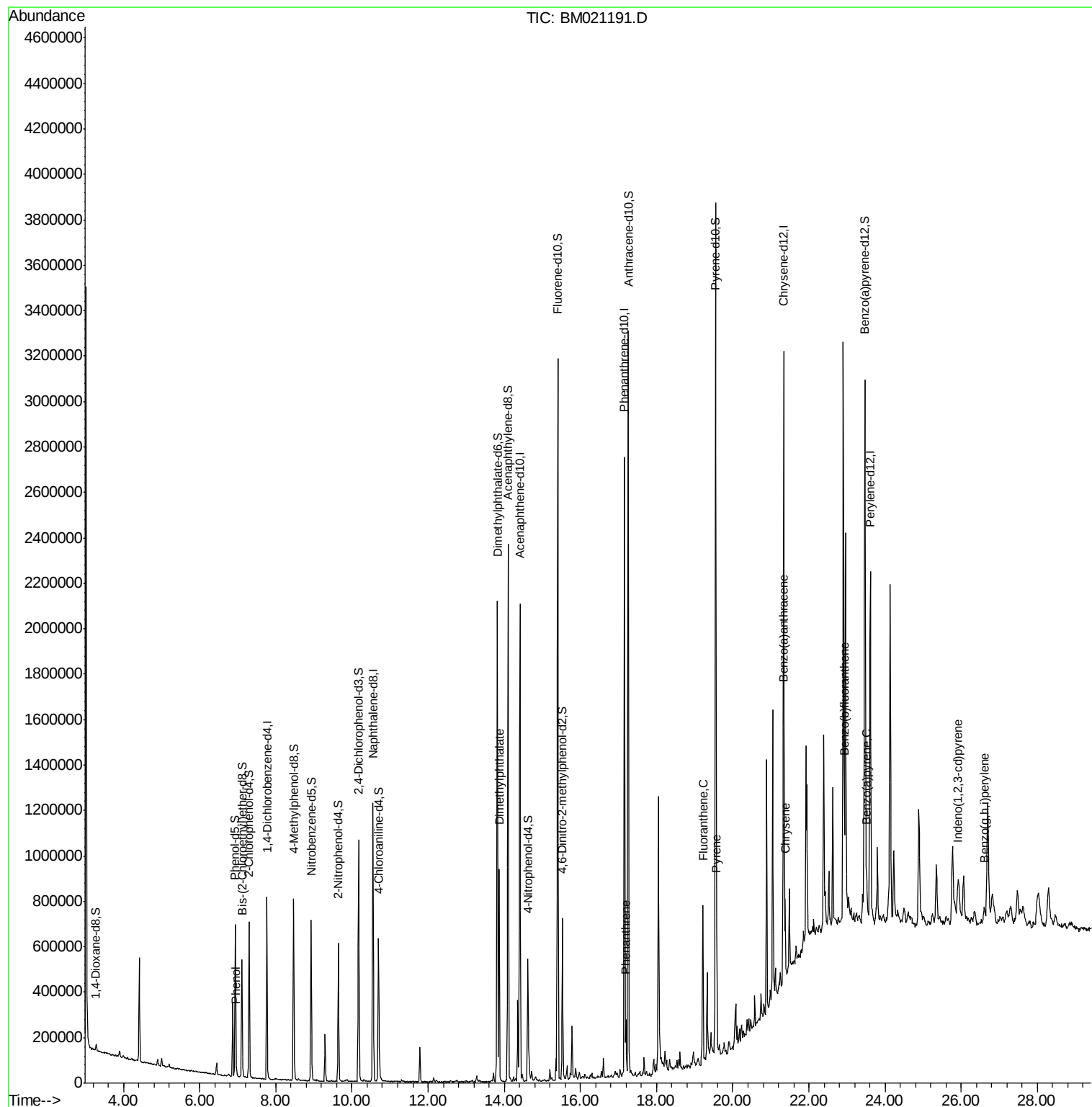
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 6) Phenol                  | 6.96  | 94   | 28806    | 1.515  | ng/ul  | 92     |
| 44) Dimethylphthalate      | 13.87 | 163  | 611765   | 10.598 | ng/ul  | 100    |
| 69) Phenanthrene           | 17.20 | 178  | 134902   | 1.493  | ng/ul  | 98     |
| 76) Fluoranthene           | 19.22 | 202  | 397205   | 4.069  | ng/ul  | 98     |
| 79) Pyrene                 | 19.58 | 202  | 348814   | 4.185  | ng/ul  | 100    |
| 82) Benzo(a)anthracene     | 21.32 | 228  | 161280   | 2.007  | ng/ul  | 98     |
| 84) Chrysene               | 21.37 | 228  | 186980   | 2.484  | ng/ul  | 98     |
| 87) Benzo(b)fluoranthene   | 22.93 | 252  | 243435   | 3.220  | ng/ul# | 93     |
| 90) Benzo(a)pyrene         | 23.52 | 252  | 147158   | 2.068  | ng/ul  | 98     |
| 91) Indeno(1,2,3-cd)pyrene | 25.90 | 276  | 106180   | 1.267  | ng/ul  | 96     |
| 93) Benzo(g,h,i)perylene   | 26.61 | 276  | 83429    | 1.209  | ng/ul  | 98     |

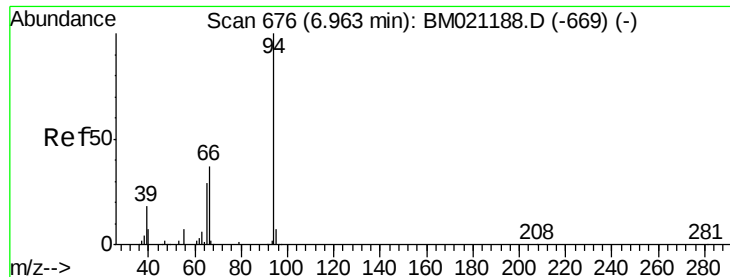
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jun 26 01:32:57 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.515 ng/ul

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

Instrument :

BNA\_M

ClientSampleId :

C6AC6

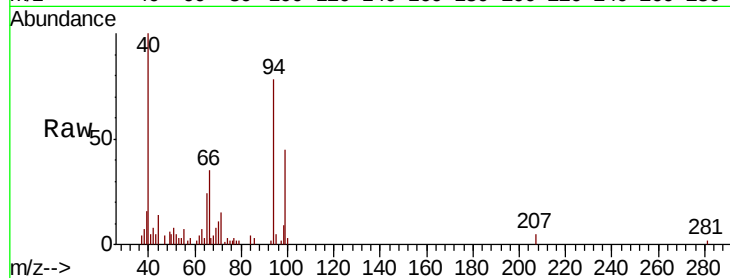
Tgt Ion: 94 Resp: 28806

Ion Ratio Lower Upper

94 100

65 30.9 22.6 34.0

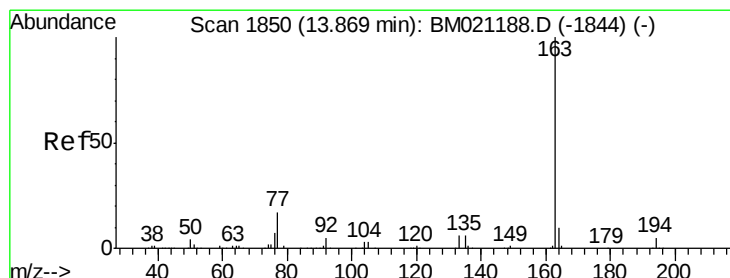
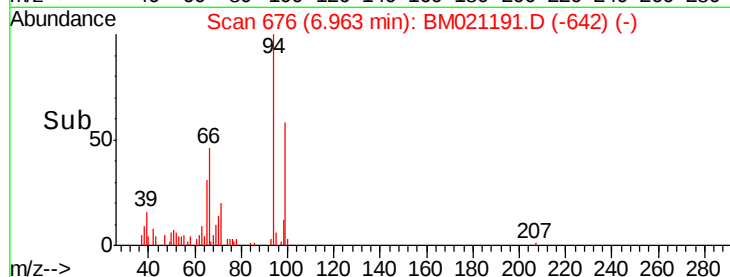
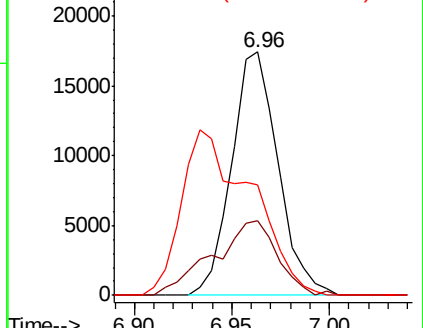
66 45.5 31.2 46.8



Abundance Ion 94.00 (93.70 to 94.70): BM021188.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM021188.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM021188.D (-669) (-)



#44

Dimethylphthalate

Concen: 10.598 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

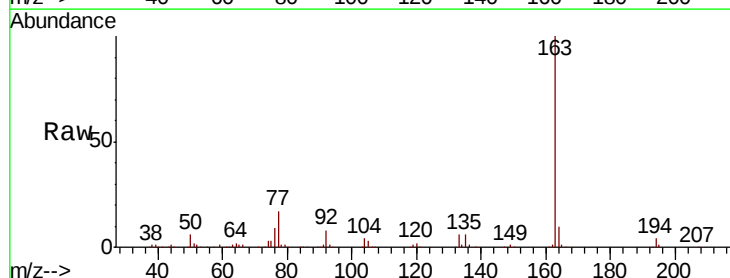
Tgt Ion: 163 Resp: 611765

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

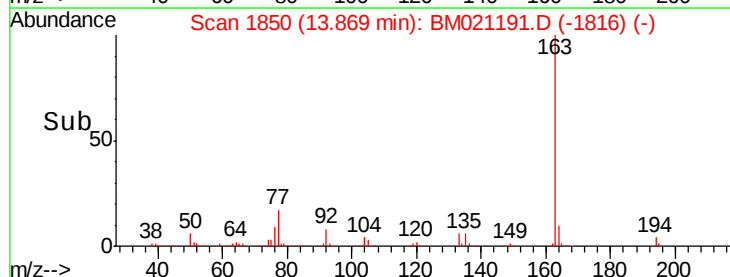
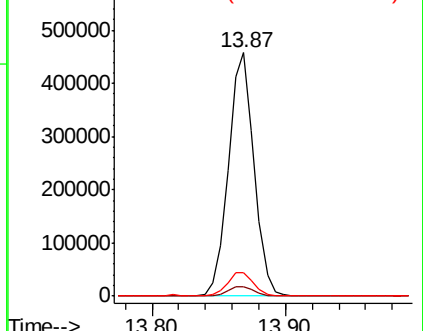
164 9.6 7.7 11.5

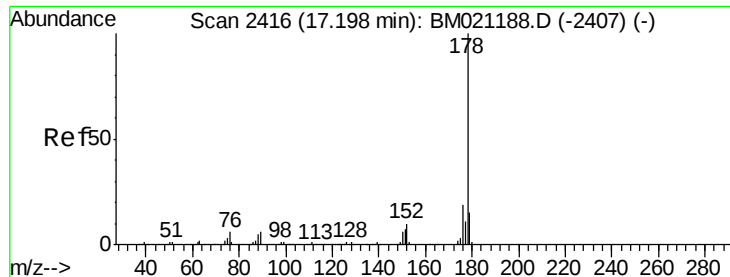


Abundance Ion 163.00 (162.70 to 163.70): BM021188.D (-1844) (-)

Ion 194.00 (193.70 to 194.70): BM021188.D (-1844) (-)

Ion 164.00 (163.70 to 164.70): BM021188.D (-1844) (-)





#69

Phenanthrene

Concen: 1.493 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

Instrument :

BNA\_M

ClientSampleId :

C6AC6

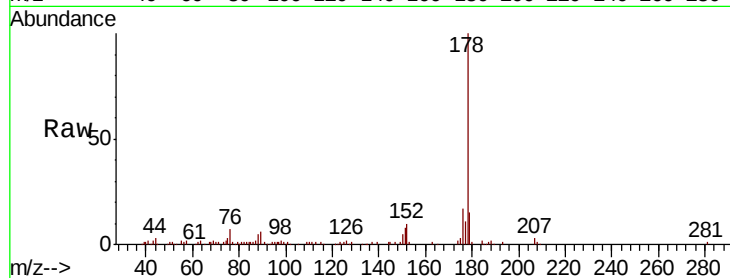
Tgt Ion:178 Resp: 134902

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

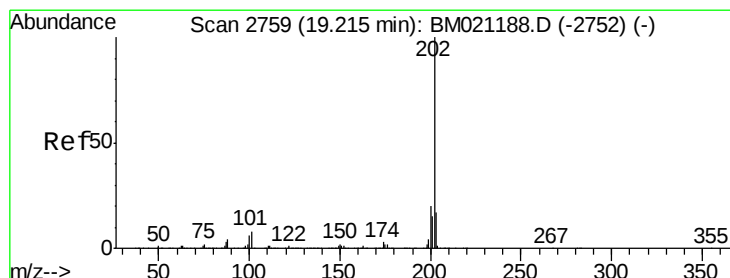
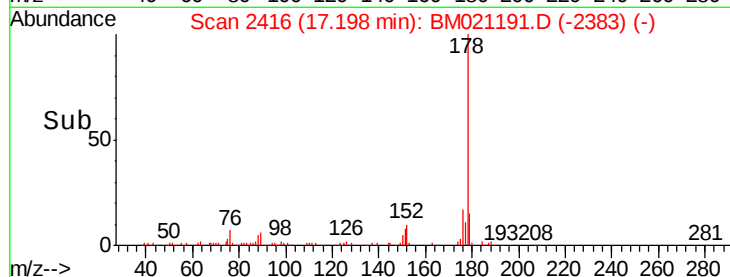
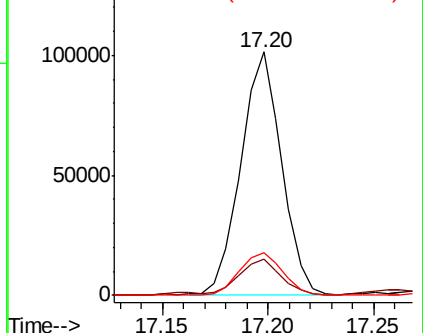
176 17.4 15.0 22.6



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



#76

Fluoranthene

Concen: 4.069 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. -0.00 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

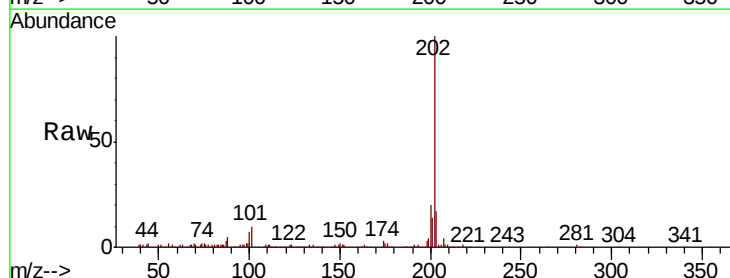
Tgt Ion:202 Resp: 397205

Ion Ratio Lower Upper

202 100

101 9.5 6.7 10.1

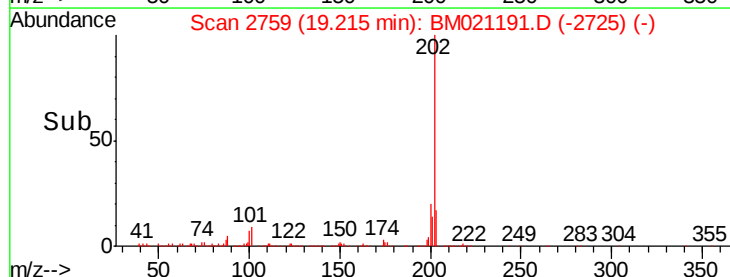
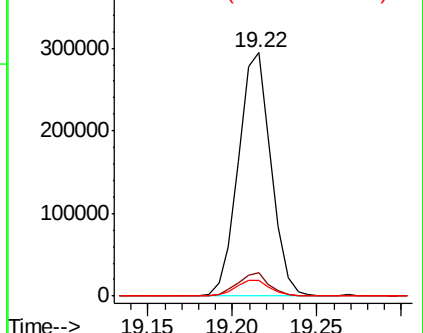
100 6.7 5.5 8.3

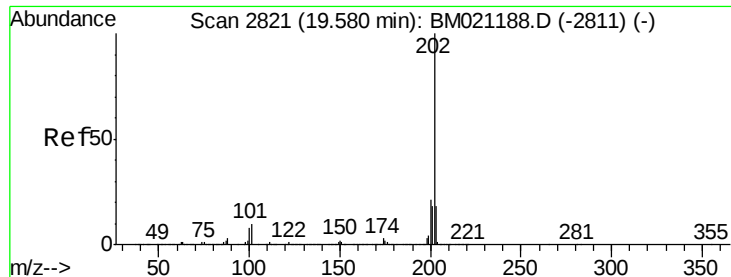


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

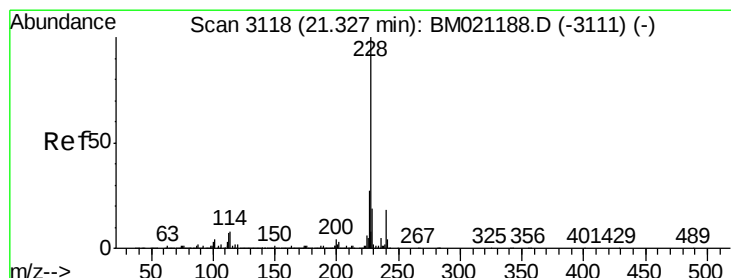
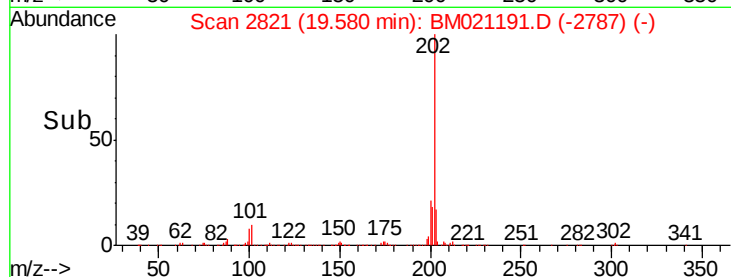
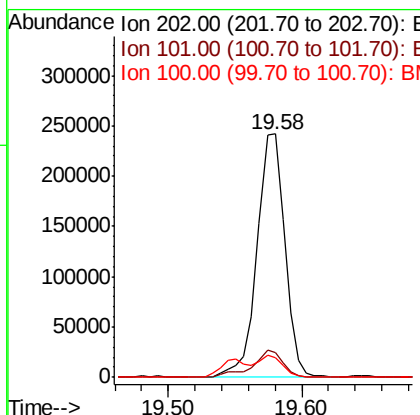
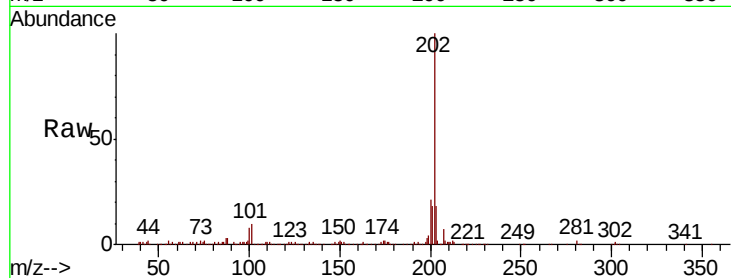




#79  
Pyrene  
Concen: 4.185 ng/ul  
RT: 19.58 min Scan# 2821  
Delta R.T. -0.00 min  
Lab File: BM021191.D  
Acq: 26 Jun 2019 14:39

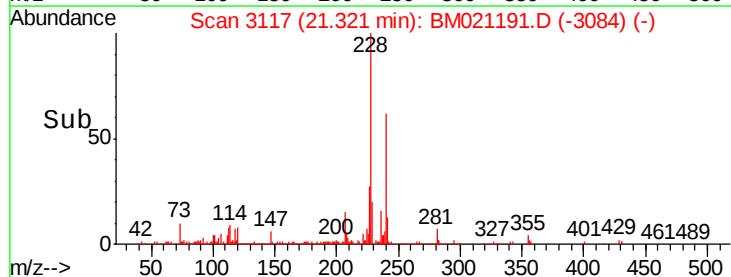
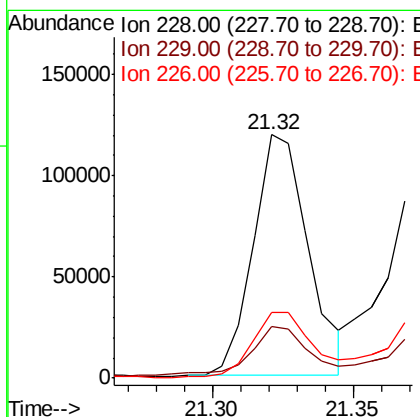
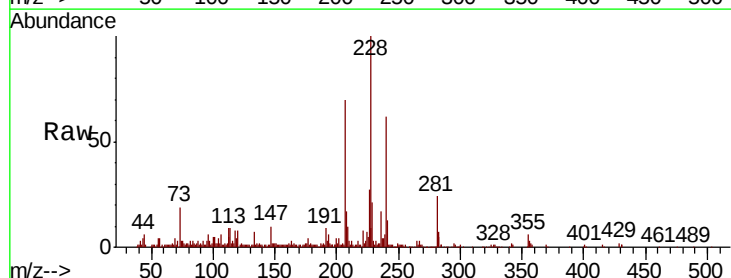
Instrument :  
BNA\_M  
ClientSampleId :  
C6AC6

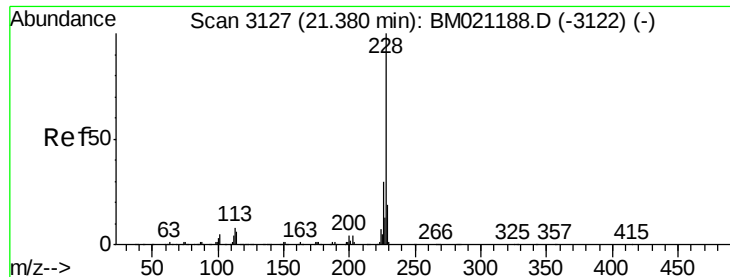
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.2  | 8.1   | 12.1  |
| 100     | 8.3   | 6.6   | 10.0  |



#82  
Benzo(a)anthracene  
Concen: 2.007 ng/ul  
RT: 21.32 min Scan# 3117  
Delta R.T. -0.01 min  
Lab File: BM021191.D  
Acq: 26 Jun 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.3  | 15.8  | 23.8  |
| 226     | 27.2  | 21.4  | 32.2  |





#84

Chrysene

Concen: 2.484 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

Instrument :

BNA\_M

ClientSampleId :

C6AC6

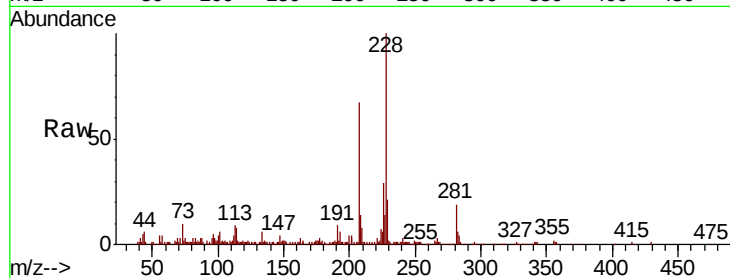
Tgt Ion:228 Resp: 186980

Ion Ratio Lower Upper

228 100

226 29.4 23.9 35.9

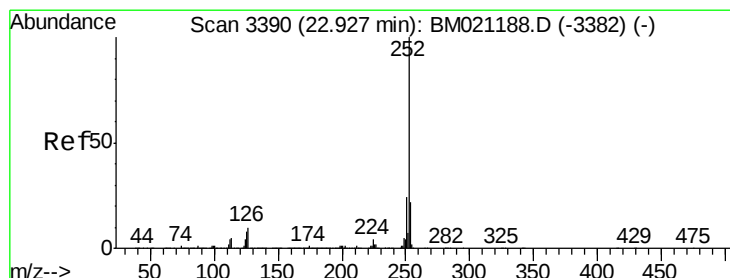
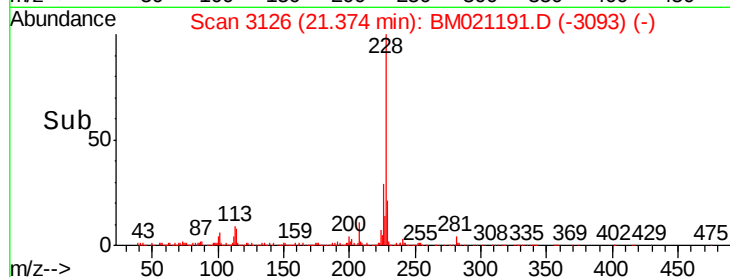
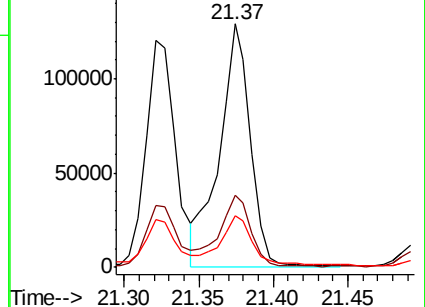
229 21.3 15.4 23.2



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: 3.220 ng/ul

RT: 22.93 min Scan# 3391

Delta R.T. -0.00 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

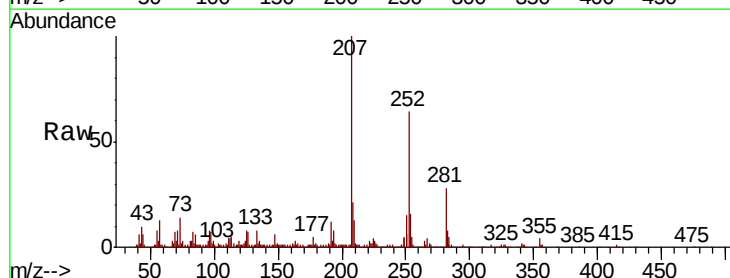
Tgt Ion:252 Resp: 243435

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

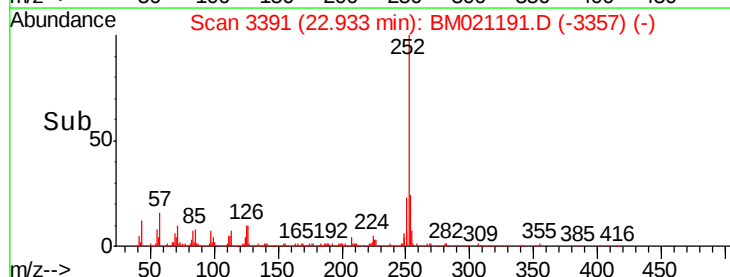
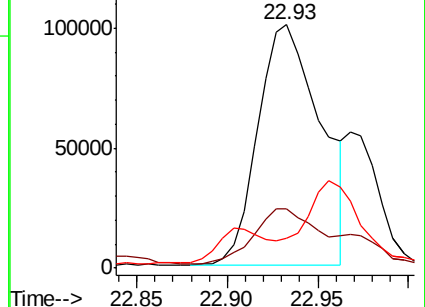
125 12.0 6.3 9.5#

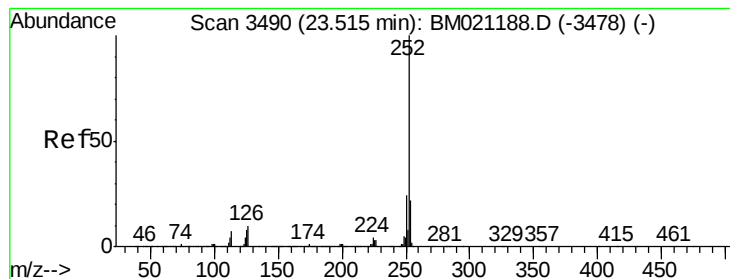


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.068 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. -0.01 min

Lab File: BM021191.D

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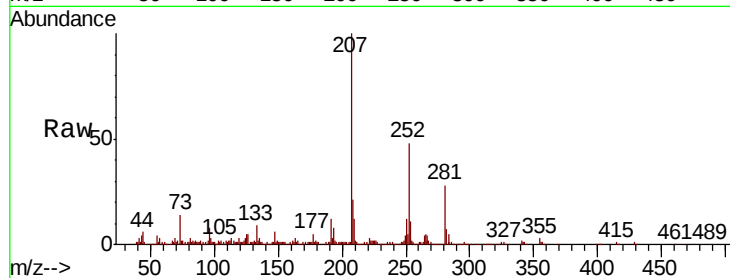
Tgt Ion:252 Resp: 147158

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.3 7.2 10.8

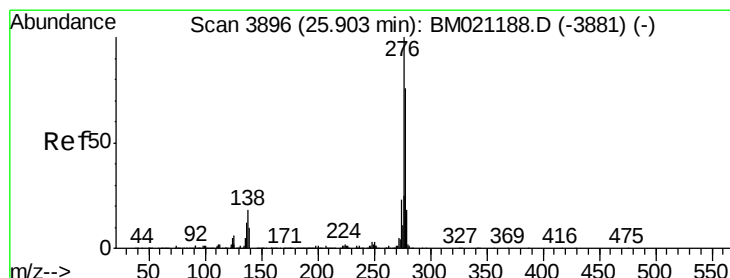
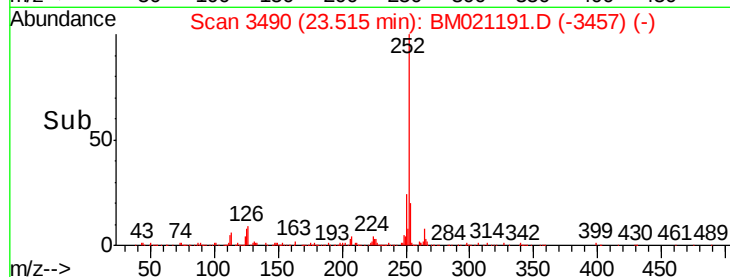
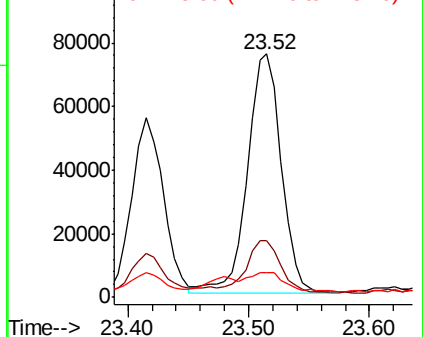


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.267 ng/ul

RT: 25.90 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

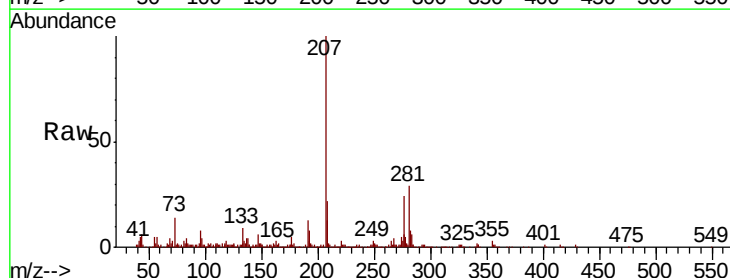
Tgt Ion:276 Resp: 106180

Ion Ratio Lower Upper

276 100

138 16.5 15.9 23.9

277 24.7 20.4 30.6

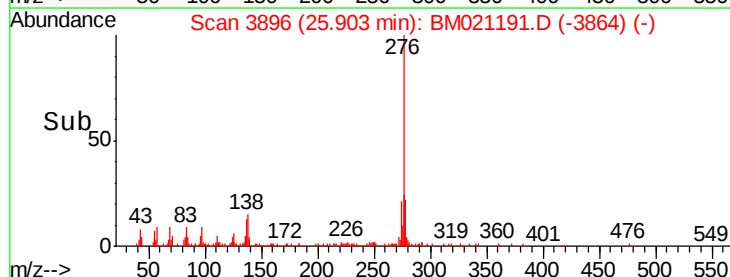
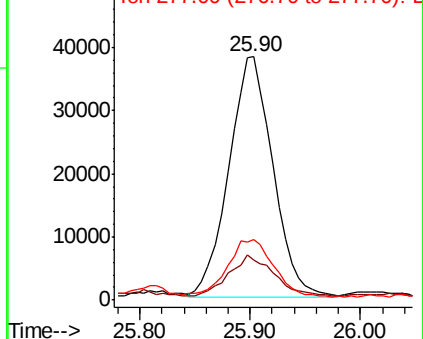


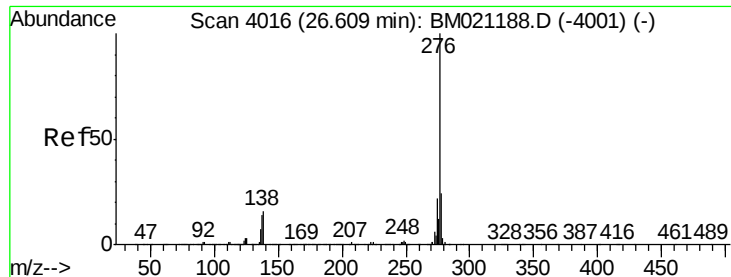
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(g,h,i)perylene

Concen: 1.209 ng/ul

RT: 26.61 min Scan# 4016

Delta R.T. -0.01 min

Lab File: BM021191.D

Acq: 26 Jun 2019 14:39

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BNA\_M

ClientSampleId :

C6AC6

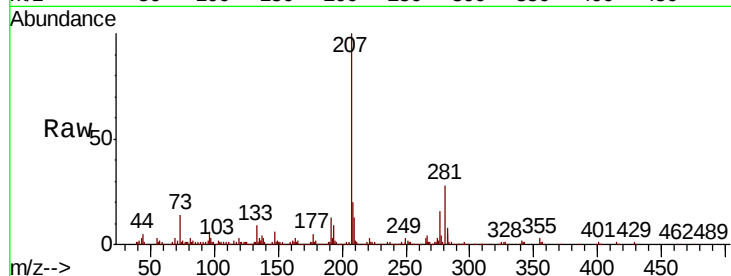
Tgt Ion: 276 Resp: 83429

Ion Ratio Lower Upper

276 100

138 16.6 14.6 21.8

277 24.4 18.9 28.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

