

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062519\  
 Data File : BM021198.D  
 Acq On : 26 Jun 2019 18:53  
 Operator : HP/JU  
 Sample : K3501-04  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C5AC4

Quant Time: Jun 27 00:45:31 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  | 257208   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 1131752  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 727622   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1534423  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.34 | 240  | 1067859  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.62 | 264  | 1219850  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 21992   | 4.06  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 504096  | 22.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.11  | 67  | 302726  | 22.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 422443  | 23.22 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 412430  | 22.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 228329  | 24.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 269471  | 26.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 524868  | 25.30 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 540873  | 25.00 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1715196 | 26.09 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 2038488 | 25.33 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 154461  | 14.44 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 1476363 | 25.82 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 176504  | 18.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 2029162 | 25.45 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.55 | 212 | 1874256 | 29.25 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.47 | 264 | 1809587 | 25.14 | ng/ul | 0.00 |

## Target Compounds

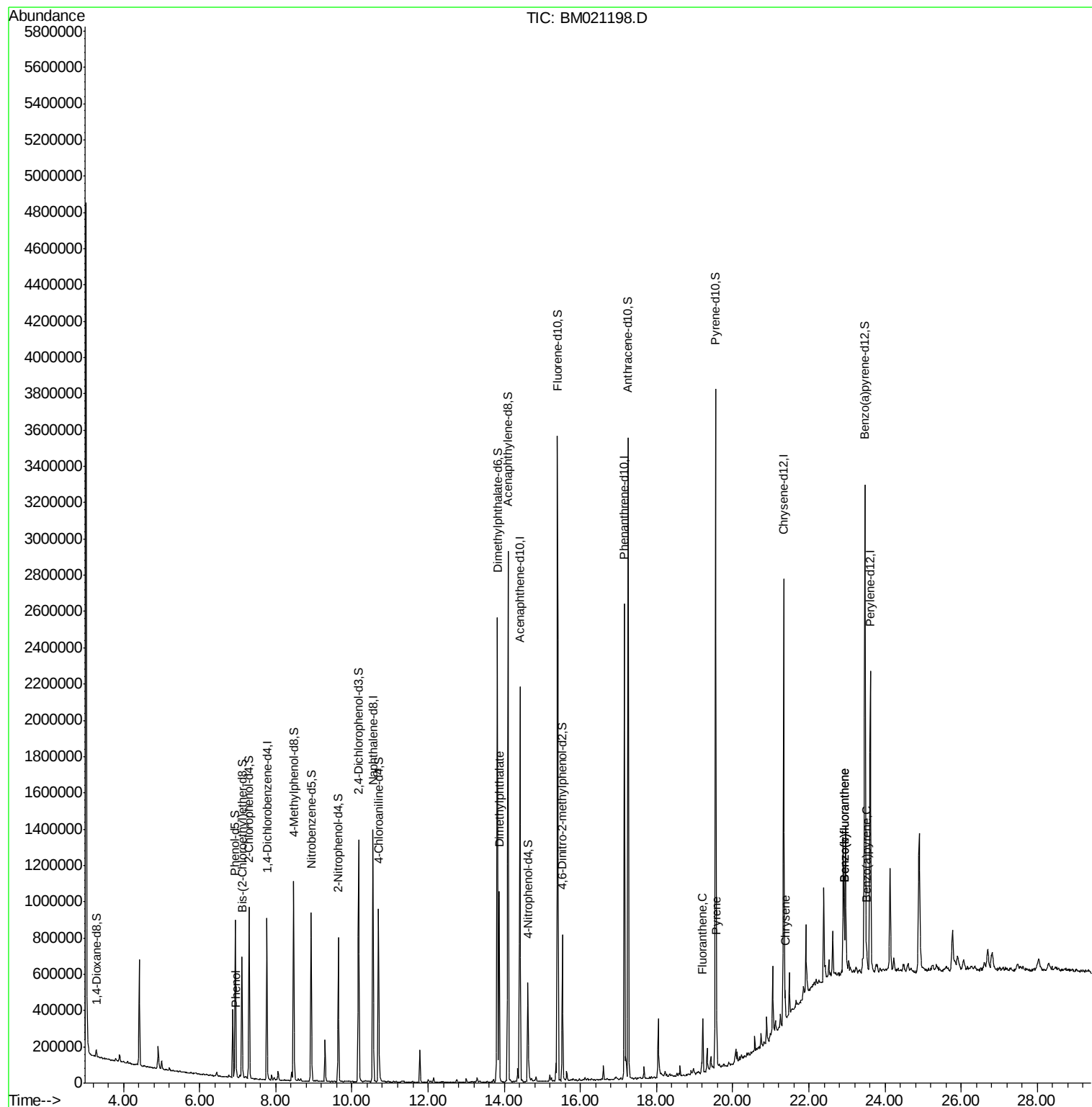
|                          |       |     |        |              | Qvalue |
|--------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol                | 6.96  | 94  | 23383  | 1.104 ng/ul  | 95     |
| 44) Dimethylphthalate    | 13.87 | 163 | 705250 | 11.784 ng/ul | 99     |
| 76) Fluoranthene         | 19.22 | 202 | 178279 | 1.944 ng/ul  | 98     |
| 79) Pyrene               | 19.57 | 202 | 152328 | 2.018 ng/ul  | 98     |
| 84) Chrysene             | 21.37 | 228 | 78894  | 1.157 ng/ul  | 95     |
| 87) Benzo(b)fluoranthene | 22.93 | 252 | 120876 | 1.564 ng/ul# | 96     |
| 88) Benzo(k)fluoranthene | 22.93 | 252 | 120876 | 1.626 ng/ul# | 96     |
| 90) Benzo(a)pyrene       | 23.52 | 252 | 73318  | 1.008 ng/ul# | 94     |

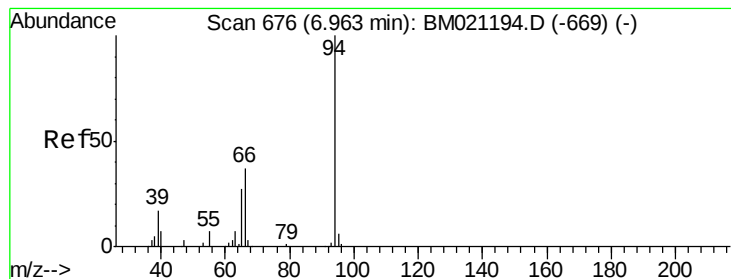
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.104 ng/ul

RT: 6.96 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

Instrument :

BNA\_M

ClientSampleId :

C5AC4

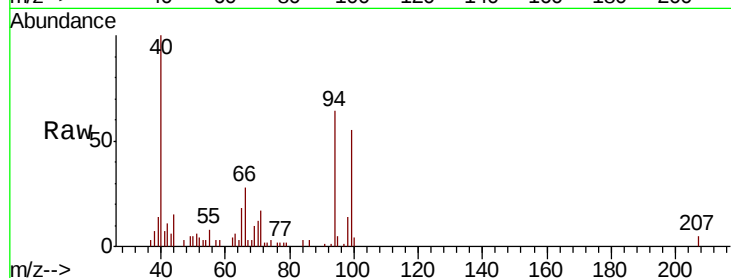
Tgt Ion: 94 Resp: 23383

Ion Ratio Lower Upper

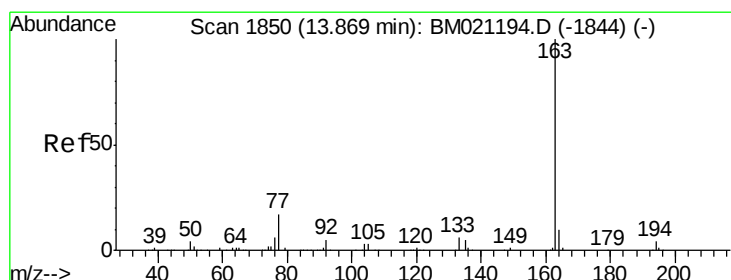
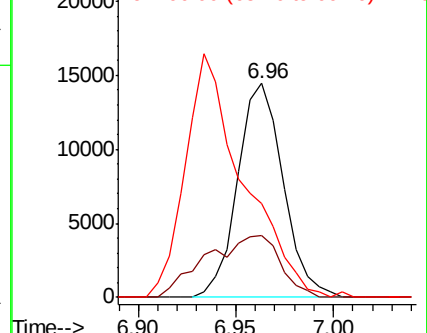
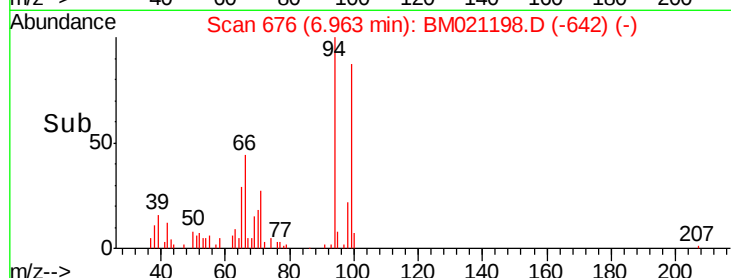
94 100

65 28.9 22.6 34.0

66 44.1 31.2 46.8



Abundance Ion 94.00 (93.70 to 94.70): BM021198.D (-669) (-)



#44

Dimethylphthalate

Concen: 11.784 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

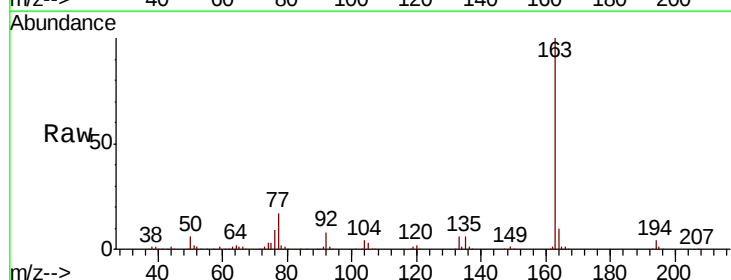
Tgt Ion: 163 Resp: 705250

Ion Ratio Lower Upper

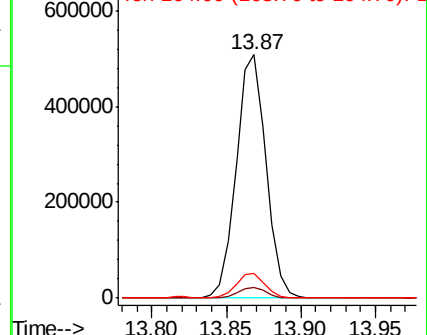
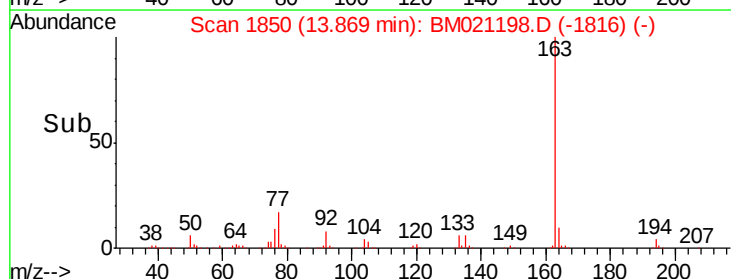
163 100

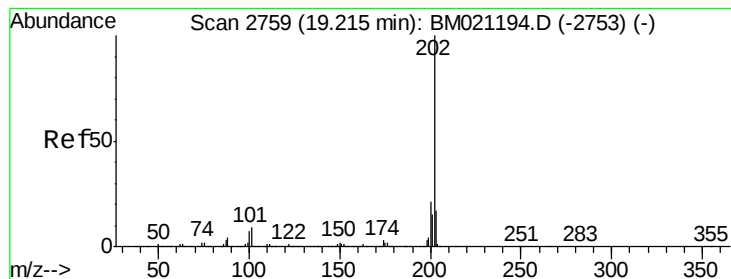
194 4.4 3.4 5.2

164 10.1 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): BM021198.D (-1844) (-)





#76

Fluoranthene

Concen: 1.944 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. 0.00 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

Instrument :

BNA\_M

ClientSampleId :

C5AC4

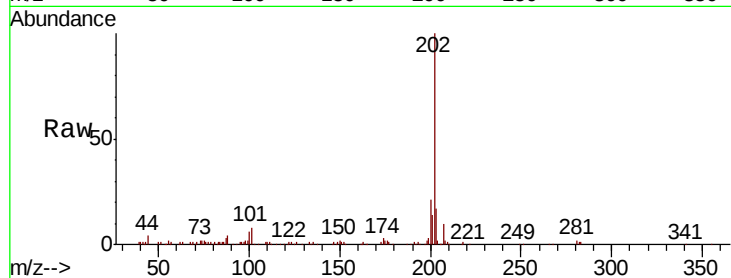
Tgt Ion:202 Resp: 178279

Ion Ratio Lower Upper

202 100

101 7.9 6.7 10.1

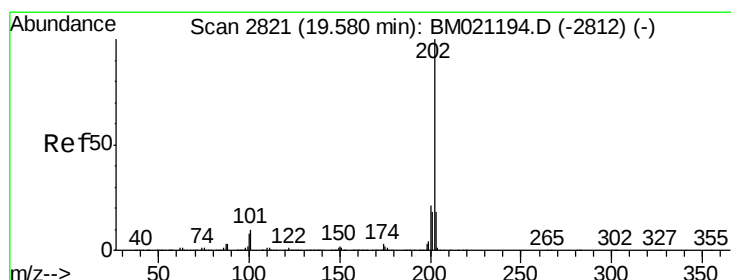
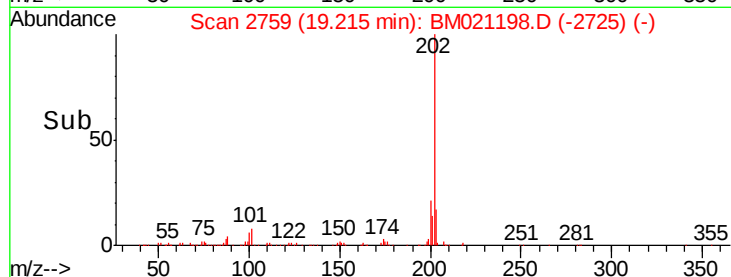
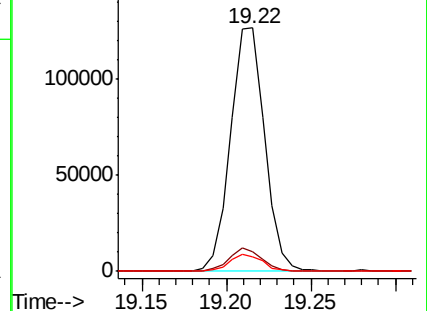
100 6.1 5.5 8.3



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): B



#79

Pyrene

Concen: 2.018 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

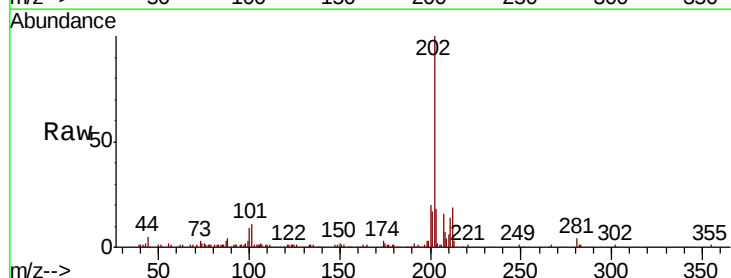
Tgt Ion:202 Resp: 152328

Ion Ratio Lower Upper

202 100

101 10.9 8.1 12.1

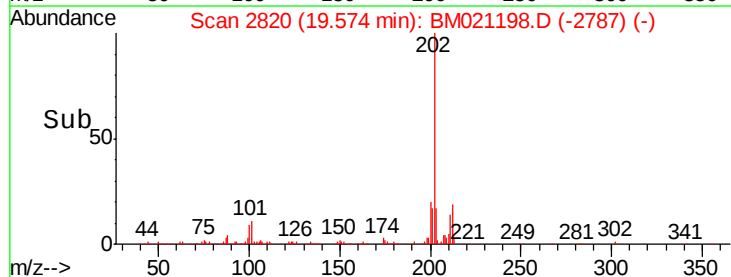
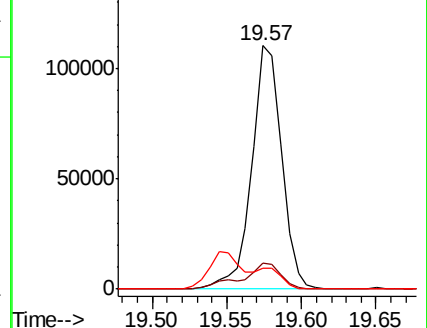
100 8.7 6.6 10.0

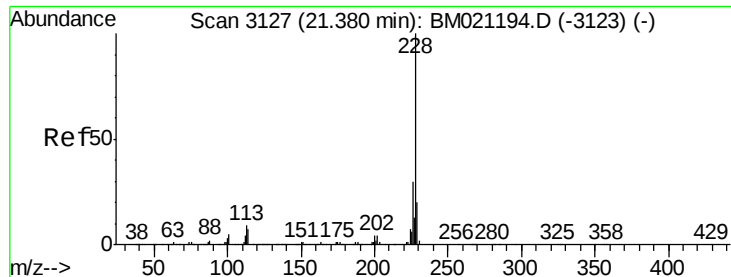


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#84

Chrysene

Concen: 1.157 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

Instrument :

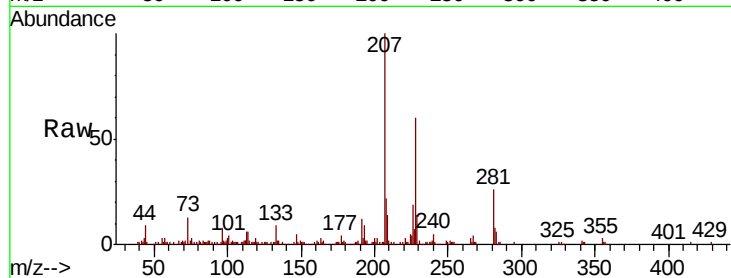
BNA\_M

ClientSampleId :

C5AC4

Tgt Ion:228 Resp: 78894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.6  | 23.9  | 35.9  |
| 229 | 23.2  | 15.4  | 23.2  |

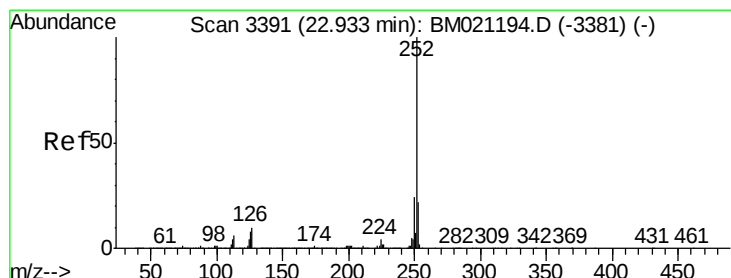
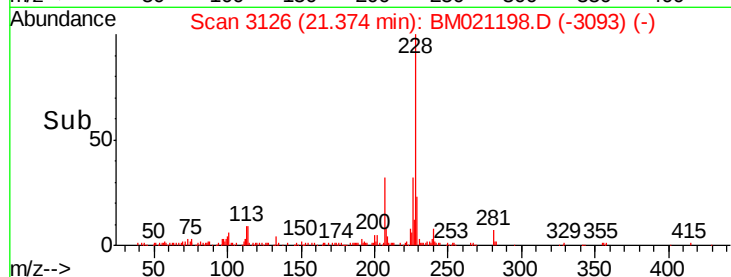
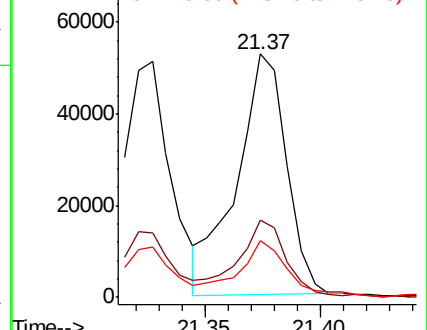


Abundance

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: 1.564 ng/ul

RT: 22.93 min Scan# 3391

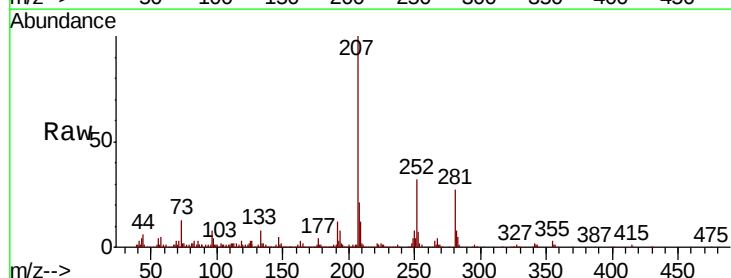
Delta R.T. 0.00 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

Tgt Ion:252 Resp: 120876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.4  | 17.5  | 26.3  |
| 125 | 10.3  | 6.3   | 9.5#  |

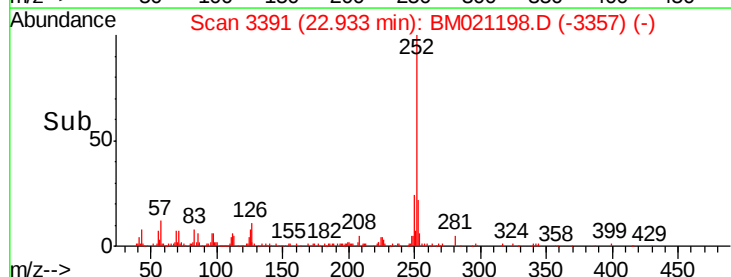
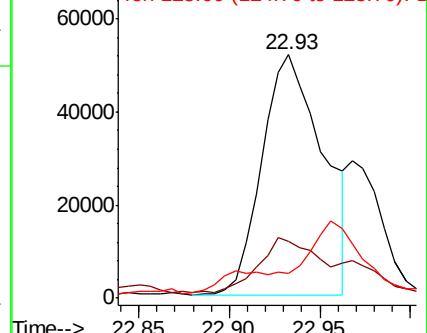


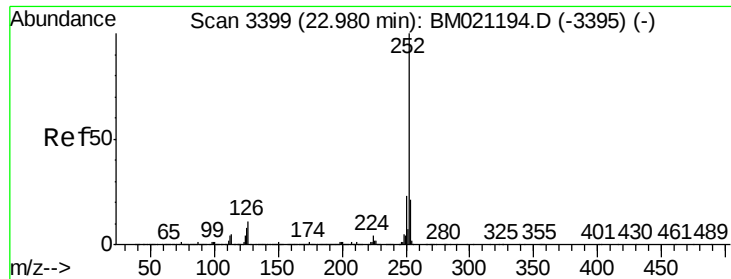
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 1.626 ng/ul

RT: 22.93 min Scan# 3391

Delta R.T. -0.05 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

Instrument :

BNA\_M

ClientSampleId :

C5AC4

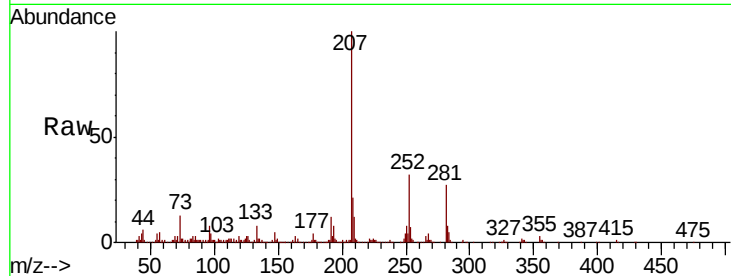
Tgt Ion:252 Resp: 120876

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

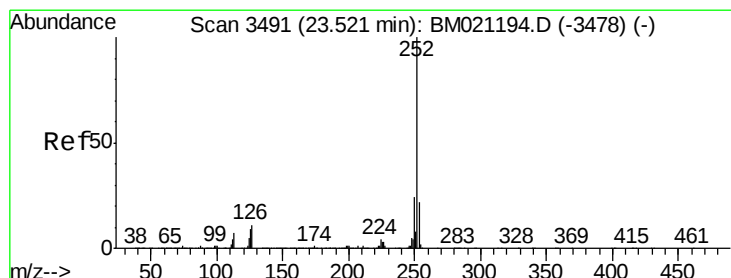
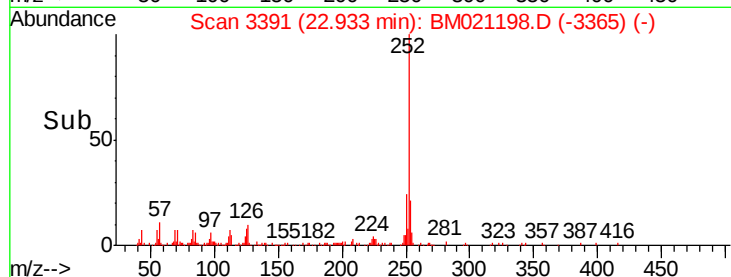
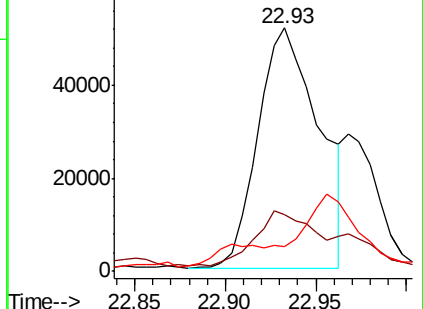
125 10.3 6.6 9.8#



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



#90

Benzo(a)pyrene

Concen: 1.008 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. -0.01 min

Lab File: BM021198.D

Acq: 26 Jun 2019 18:53

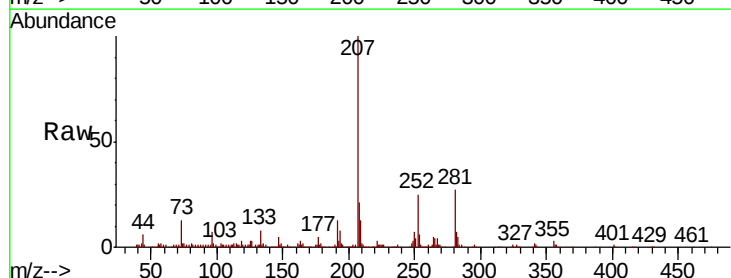
Tgt Ion:252 Resp: 73318

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

125 12.3 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

