

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\  
 Data File : BG046354.D  
 Acq On : 19 Aug 2020 20:06  
 Operator : CG/JU  
 Sample : L3633-08  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMA6

Quant Time: Aug 20 01:46:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 20 01:26:46 2020  
 Response via : Initial Calibration

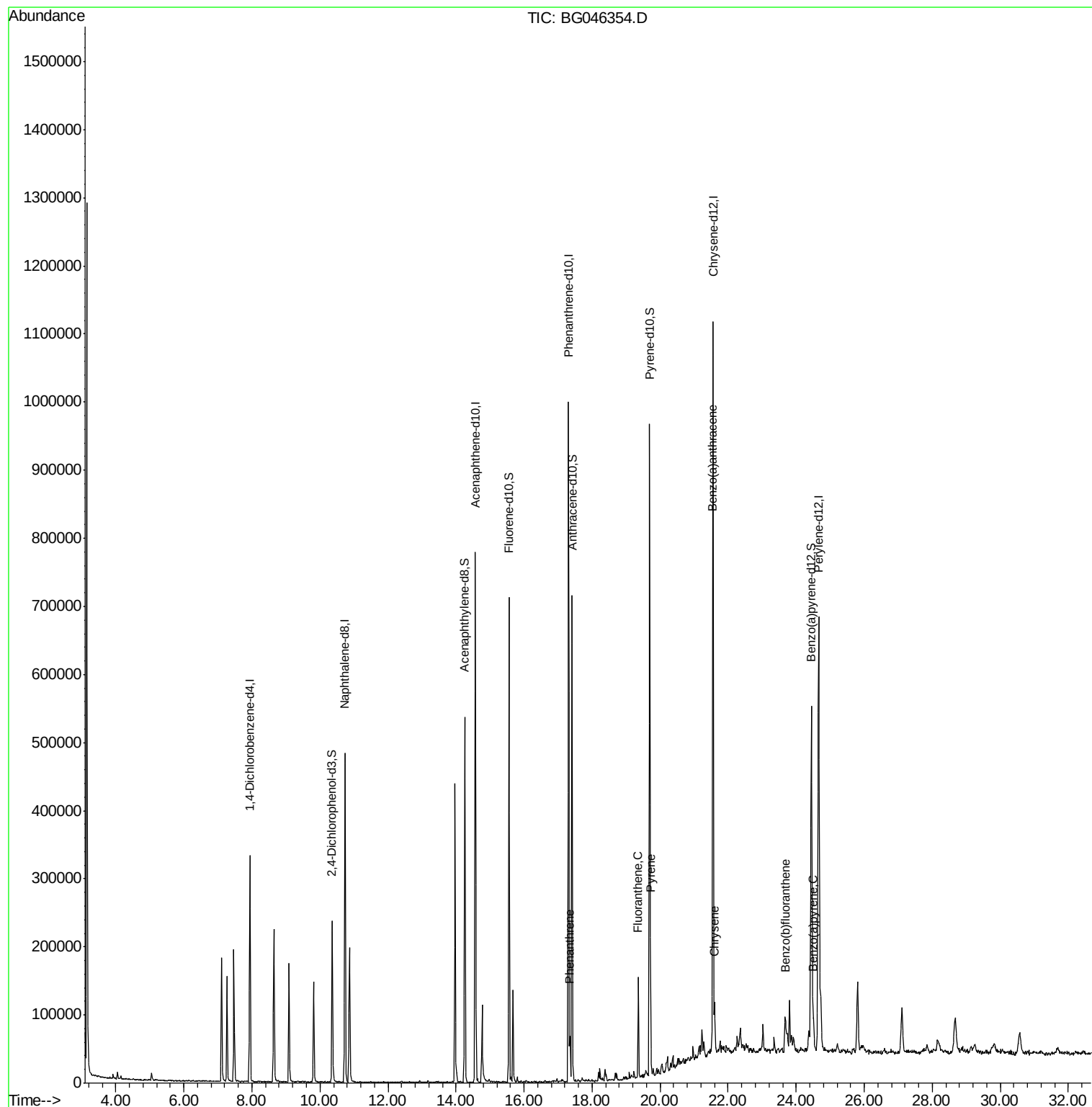
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.94  | 152  | 107320   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.73 | 136  | 441951   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.56 | 164  | 292354   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.31 | 188  | 644558   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.56 | 240  | 660008   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.66 | 264  | 687765   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.36 | 165  | 107395   | 14.11  | ng/ul  | 0.00     |
| 7) Acenaphthylene-d8        | 14.26 | 160  | 412618   | 15.34  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.56 | 176  | 300389   | 14.57  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 442007   | 14.79  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.69 | 212  | 507275   | 14.93  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.45 | 264  | 523259   | 13.94  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 14) Phenanthrene            | 17.35 | 178  | 49691    | 1.401  | ng/ul  | 98       |
| 17) Fluoranthene            | 19.36 | 202  | 93540    | 2.366  | ng/ul  | 96       |
| 20) Pyrene                  | 19.72 | 202  | 84752    | 1.956  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.54 | 228  | 53191    | 1.239  | ng/ul  | 99       |
| 22) Chrysene                | 21.60 | 228  | 47925    | 1.154  | ng/ul  | 95       |
| 24) Benzo(b)fluoranthene    | 23.68 | 252  | 70912    | 1.559  | ng/ul  | 99       |
| 27) Benzo(a)pyrene          | 24.51 | 252  | 43751    | 1.048  | ng/ul# | 97       |

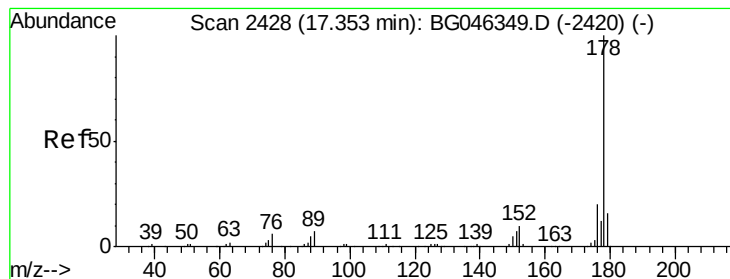
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 1.401 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

Instrument :

BNA\_G

ClientSampleId :

BFMA6

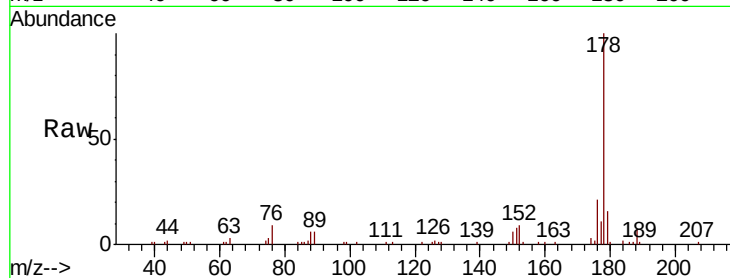
Tot Ion:178 Resp: 49691

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.7  | 12.8  | 19.2  |
| 176 | 21.1  | 15.8  | 23.8  |

178 100

179 15.7 12.8 19.2

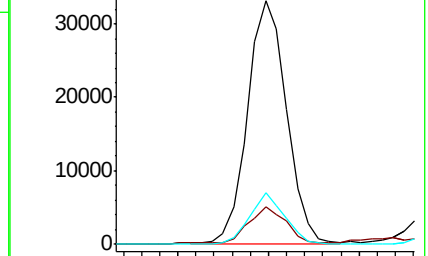
176 21.1 15.8 23.8



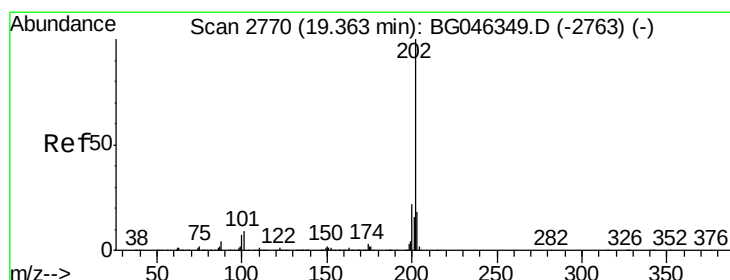
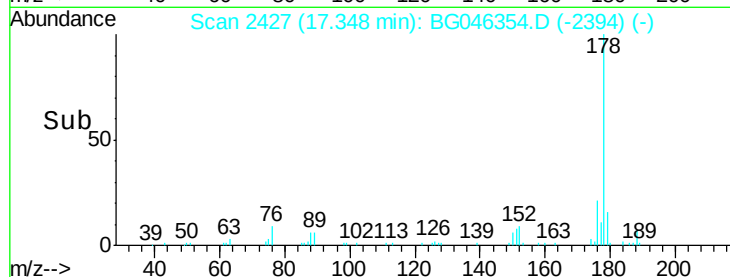
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#17

Fluoranthene

Concen: 2.366 ng/ul

RT: 19.36 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

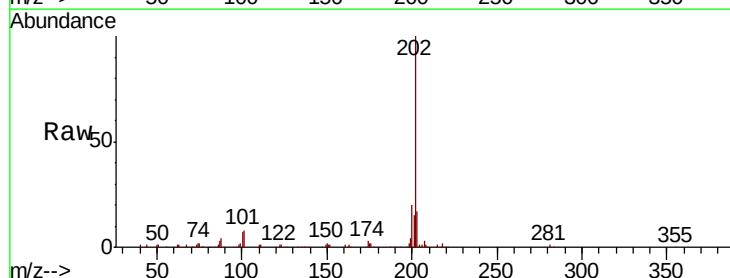
Tgt Ion:202 Resp: 93540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 8.1   | 7.8   | 11.6  |
| 100 | 6.6   | 5.9   | 8.9   |

202 100

101 8.1 7.8 11.6

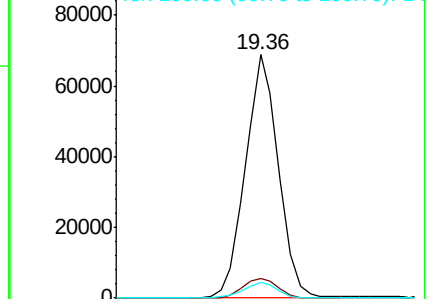
100 6.6 5.9 8.9



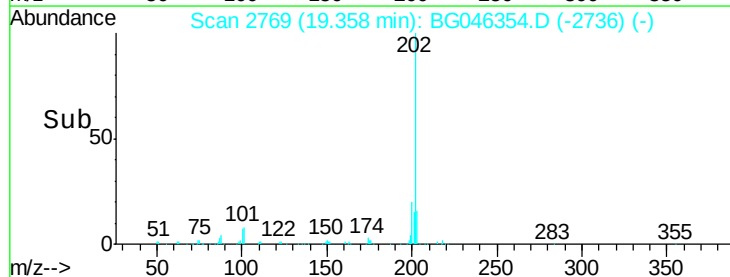
Abundance Ion 202.00 (201.70 to 202.70): E

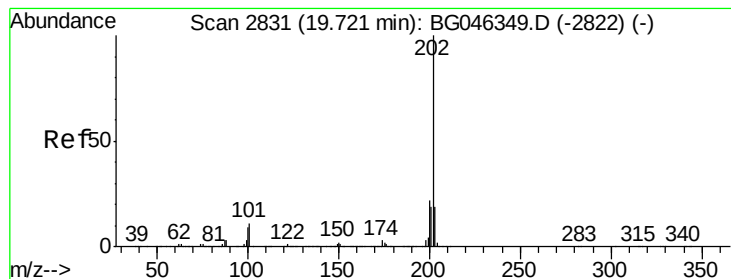
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#20

Pvrene

Concen: 1.956 ng/ul

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

Instrument :

BNA\_G

ClientSampleId :

BFMA6

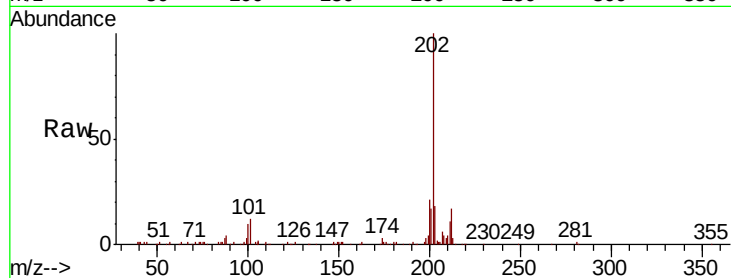
Tot Ion:202 Resp: 84752

Ion Ratio Lower Upper

202 100

101 12.3 8.9 13.3

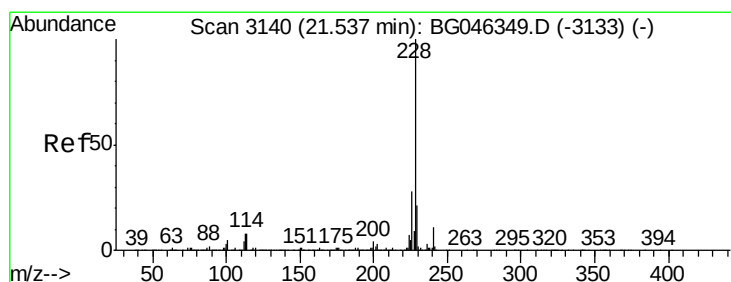
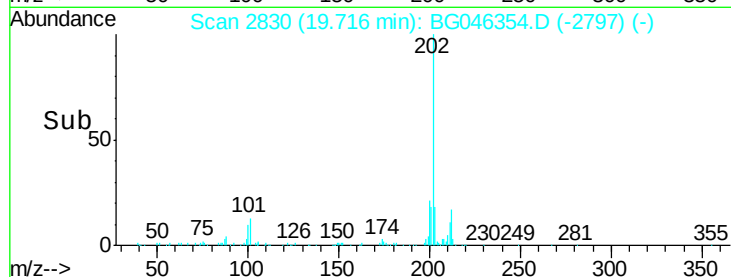
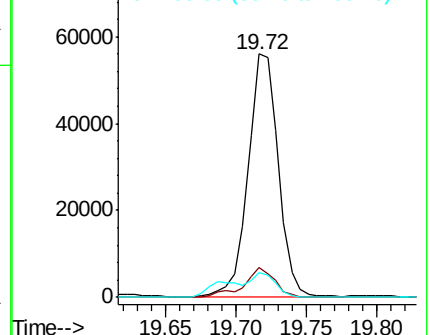
100 10.2 7.9 11.9



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



#21

Benzo(a)anthracene

Concen: 1.239 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

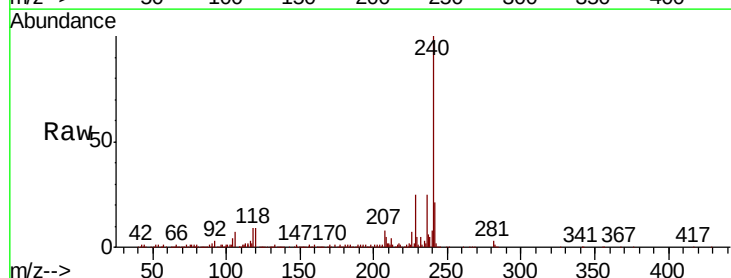
Tgt Ion:228 Resp: 53191

Ion Ratio Lower Upper

228 100

229 20.9 16.6 25.0

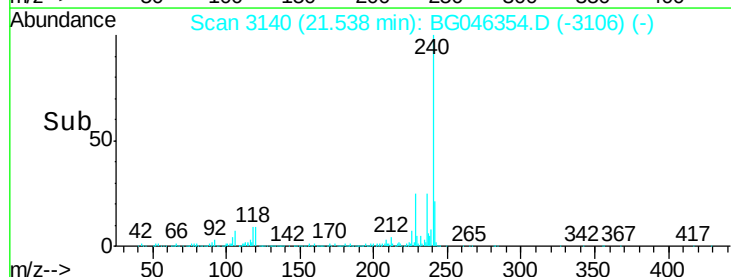
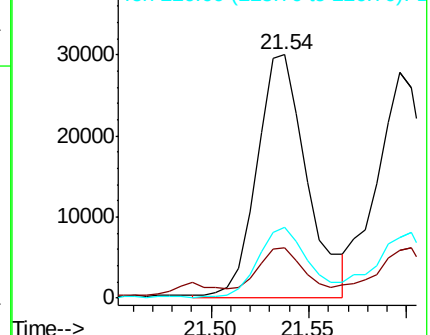
226 28.9 22.6 33.8

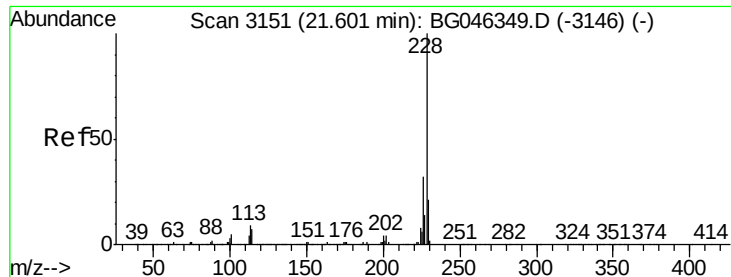


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 1.154 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

Instrument :

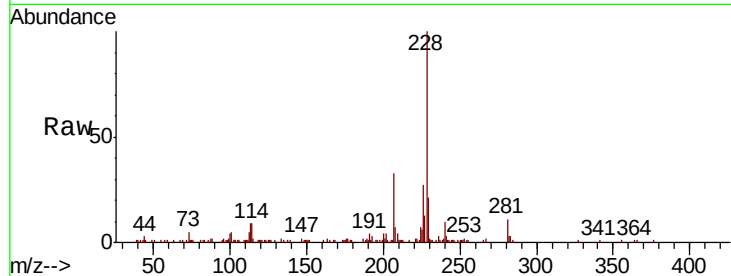
BNA\_G

ClientSampleId :

BFMA6

Tot Ion:228 Resp: 47925

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.1  | 25.5  | 38.3  |
| 229 | 21.1  | 17.0  | 25.4  |

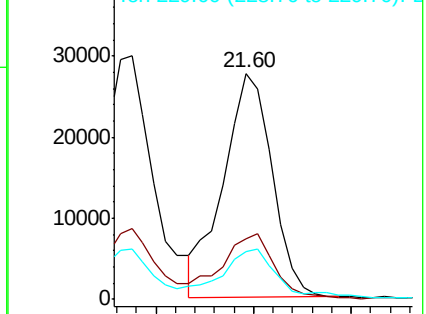


Abundance

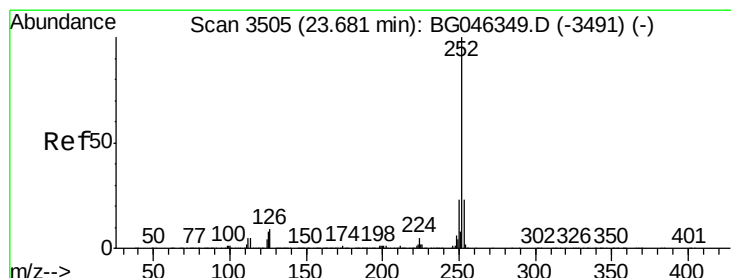
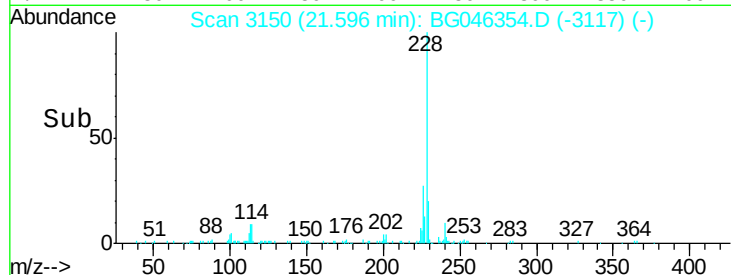
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#24

Benzo(b)fluoranthene

Concen: 1.559 ng/ul

RT: 23.68 min Scan# 3504

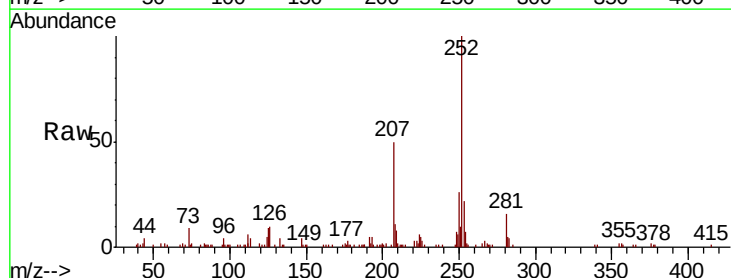
Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

Tgt Ion:252 Resp: 70912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 17.8  | 26.6  |
| 125 | 9.2   | 6.4   | 9.6   |

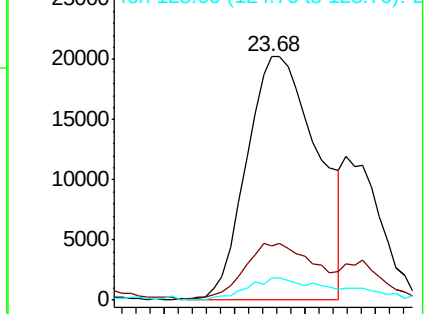


Abundance

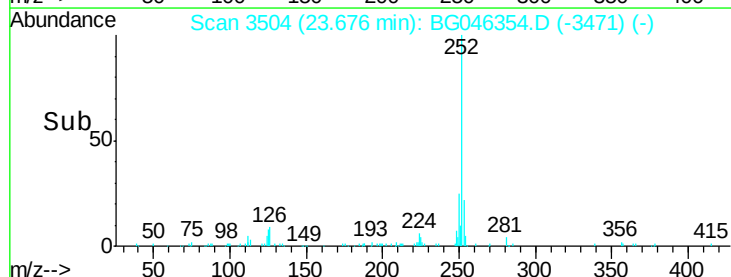
Ion 252.00 (251.70 to 252.70): E

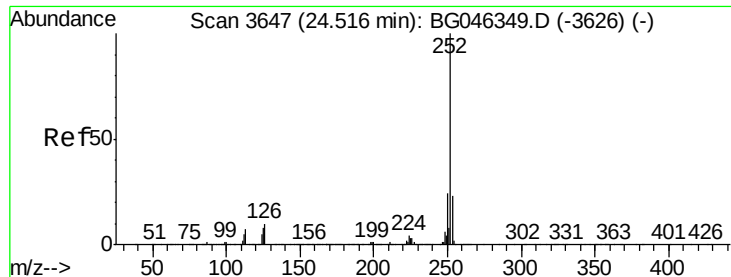
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#27

Benzo(a)pyrene

Concen: 1.048 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046354.D

Acq: 19 Aug 2020 20:06

Instrument :

BNA\_G

ClientSampleId :

BFMA6

Tot Ion:252 Resp: 43751

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 11.8 7.1 10.7#

