

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
 Data File : BG047043.D  
 Acq On : 22 Oct 2020 23:07  
 Operator : CG/JU  
 Sample : L4449-13  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AF1

Quant Time: Oct 23 04:16:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG102220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 22 05:48:14 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 67853    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.87 | 136  | 249057   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.69 | 164  | 170519   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.43 | 188  | 339695   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.70 | 240  | 352173   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.93 | 264  | 389226   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0      | 0.00  | ng/uL |       |
| 5) Phenol-d5                   | 0.00  | 99  | 0      | 0.00  | ng/ul |       |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0      | 0.00  | ng/ul |       |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0      | 0.00  | ng/ul |       |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0      | 0.00  | ng/ul |       |
| 19) Nitrobenzene-d5            | 0.00  | 128 | 0      | 0.00  | ng/ul |       |
| 22) 2-Nitrophenol-d4           | 0.00  | 143 | 0      | 0.00  | ng/ul |       |
| 26) 2,4-Dichlorophenol-d3      | 0.00  | 165 | 0      | 0.00  | ng/ul |       |
| 29) 4-Chloroaniline-d4         | 10.88 | 131 | 302    | 0.07  | ng/ul | -0.13 |
| 44) Dimethylphthalate-d6       | 0.00  | 166 | 0      | 0.00  | ng/ul |       |
| 47) Acenaphthylene-d8          | 0.00  | 160 | 0      | 0.00  | ng/ul |       |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0      | 0.00  | ng/ul |       |
| 58) Fluorene-d10               | 0.00  | 176 | 0      | 0.00  | ng/ul |       |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0      | 0.00  | ng/ul |       |
| 71) Anthracene-d10             | 17.43 | 188 | 339695 | 20.63 | ng/ul | -0.10 |
| 79) Pyrene-d10                 | 19.82 | 212 | 475    | 0.02  | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.71 | 264 | 292    | 0.01  | ng/ul | 0.00  |

## Target Compounds

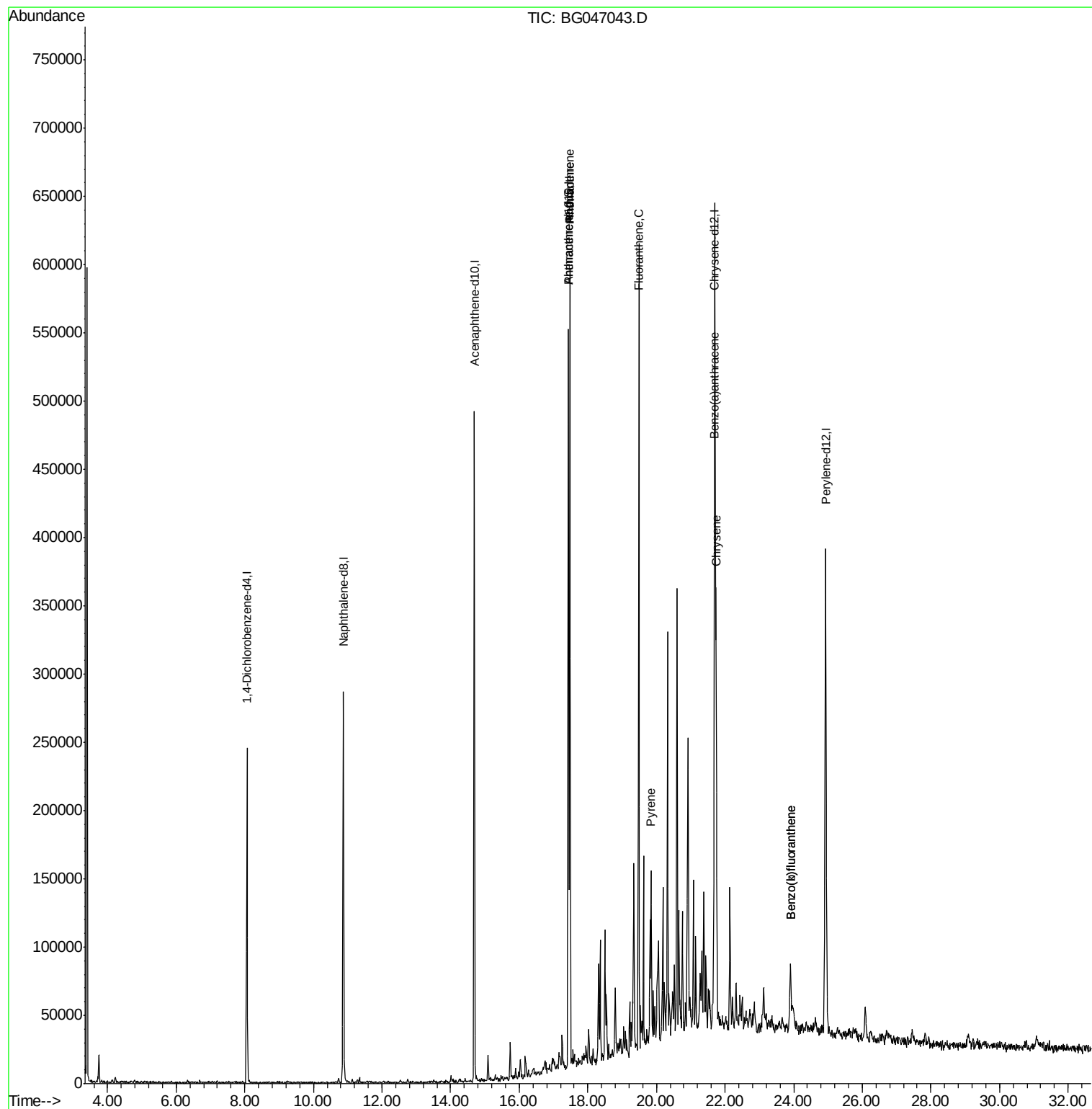
|                          |       |     |        |        | Ovalue |    |
|--------------------------|-------|-----|--------|--------|--------|----|
| 70) Phenanthrene         | 17.47 | 178 | 365555 | 19.187 | ng/ul  | 98 |
| 72) Anthracene           | 17.47 | 178 | 365555 | 19.092 | ng/ul  | 98 |
| 77) Fluoranthene         | 19.48 | 202 | 387972 | 16.919 | ng/ul# | 98 |
| 80) Pyrene               | 19.84 | 202 | 83783  | 3.476  | ng/ul  | 97 |
| 83) Benzo(a)anthracene   | 21.68 | 228 | 101662 | 4.261  | ng/ul  | 98 |
| 85) Chrysene             | 21.75 | 228 | 141924 | 6.183  | ng/ul  | 95 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 53710  | 2.077  | ng/ul  | 98 |
| 89) Benzo(k)fluoranthene | 23.91 | 252 | 53710  | 2.144  | ng/ul  | 95 |

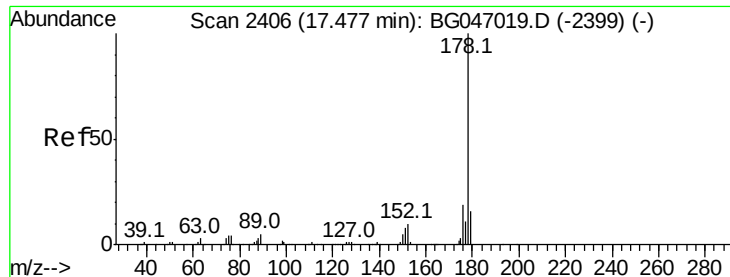
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 04:16:08 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG102220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 22 05:48:14 2020  
Response via : Initial Calibration





#70

Phenanthrene

Concen: 19.187 ng/ul

RT: 17.47 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

Instrument :

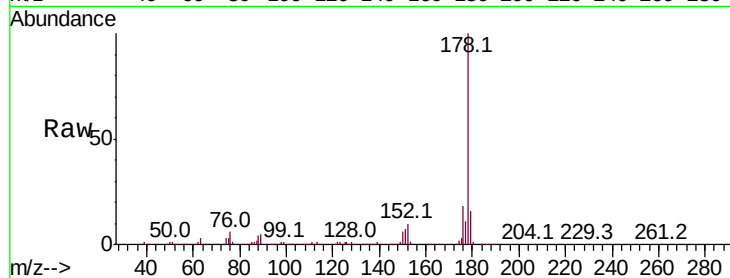
BNA\_G

ClientSampleId :

C0AF1

Tot Ion:178 Resp: 365555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 13.0  | 19.4  |
| 176 | 17.9  | 15.5  | 23.3  |

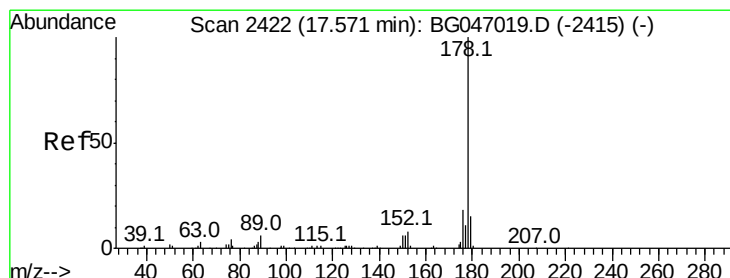
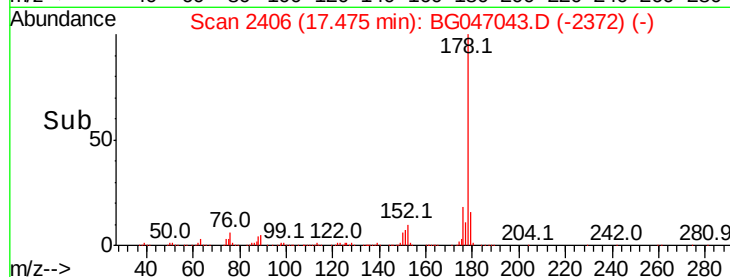
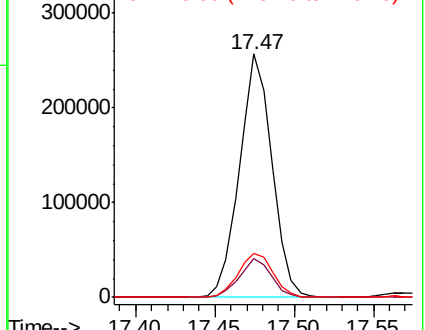


Abundance

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



#72

Anthracene

Concen: 19.092 ng/ul

RT: 17.47 min Scan# 2406

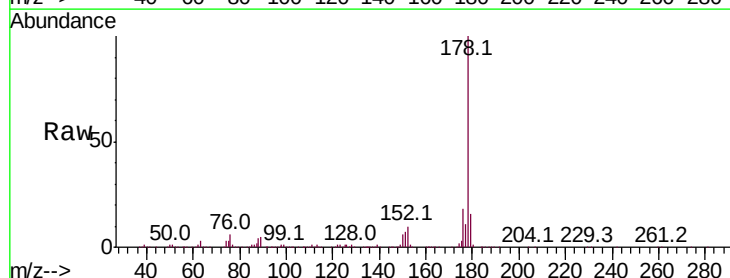
Delta R.T. -0.10 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

Tgt Ion:178 Resp: 365555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 11.8  | 17.6  |
| 176 | 17.9  | 14.7  | 22.1  |

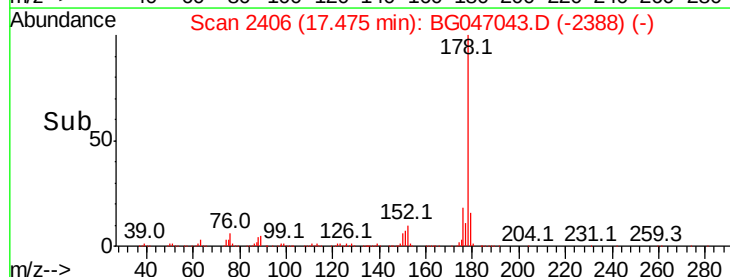
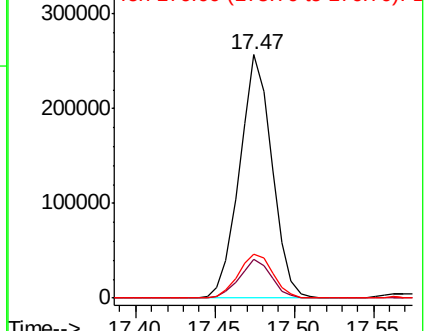


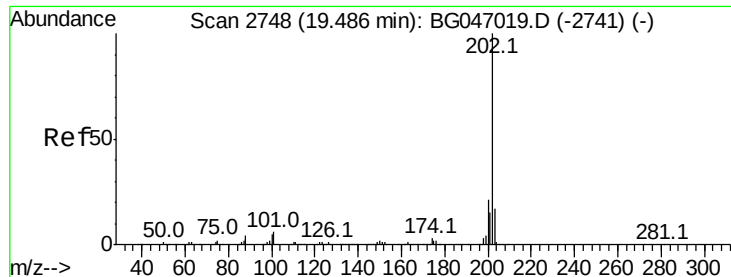
Abundance

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





#77

Fluoranthene

Concen: 16.919 ng/ul

RT: 19.48 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

Instrument :

BNA\_G

ClientSampleId :

C0AF1

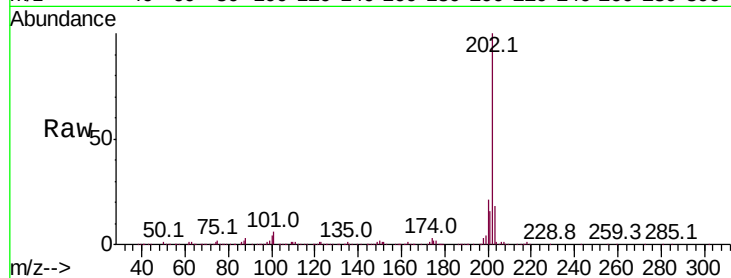
Tot Ion:202 Resp: 387972

Ion Ratio Lower Upper

202 100

101 5.8 4.9 7.3

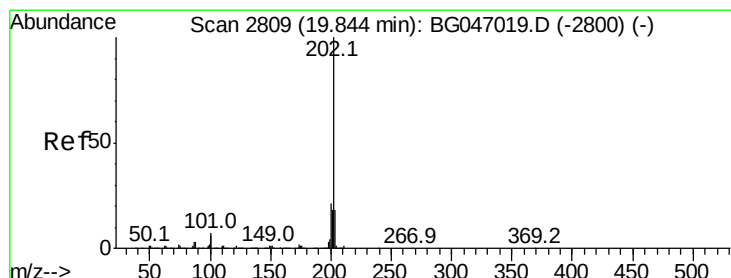
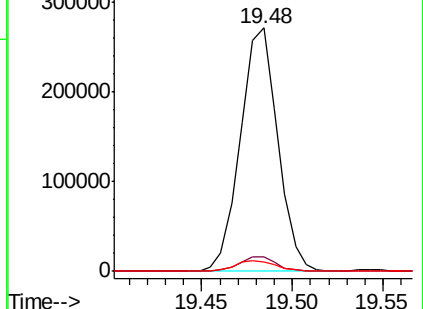
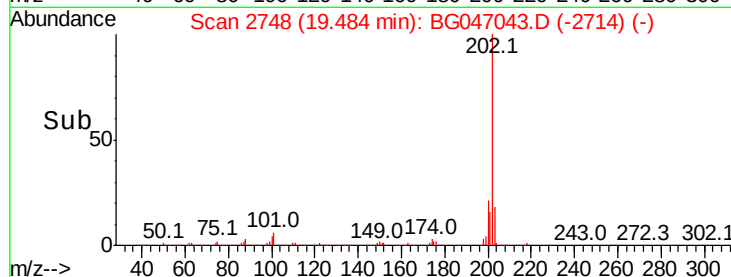
100 4.0 4.2 6.4#



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

Pyrene

Concen: 3.476 ng/ul

RT: 19.84 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

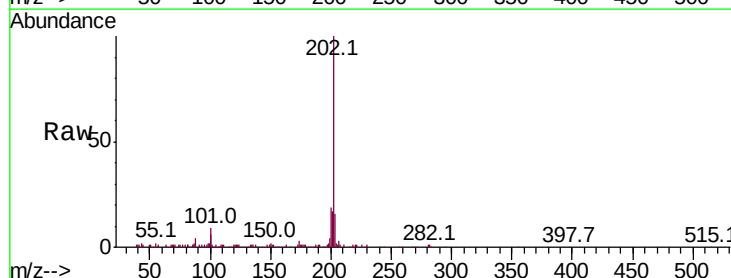
Tgt Ion:202 Resp: 83783

Ion Ratio Lower Upper

202 100

101 8.5 5.8 8.6

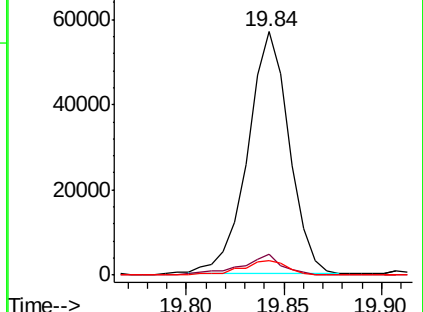
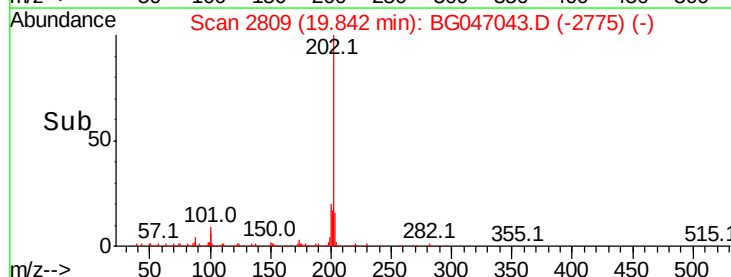
100 5.8 5.0 7.4

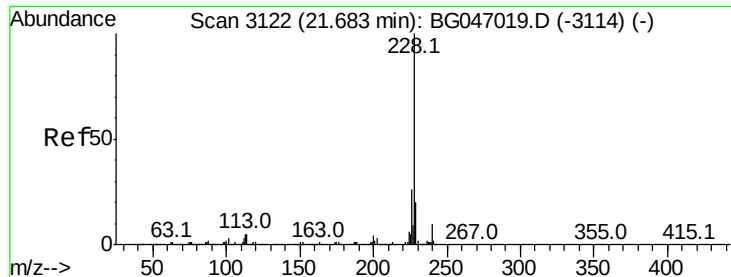


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

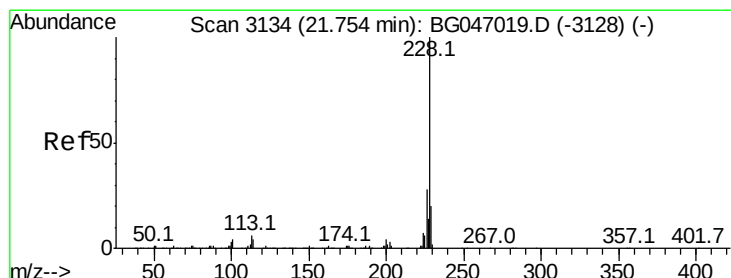
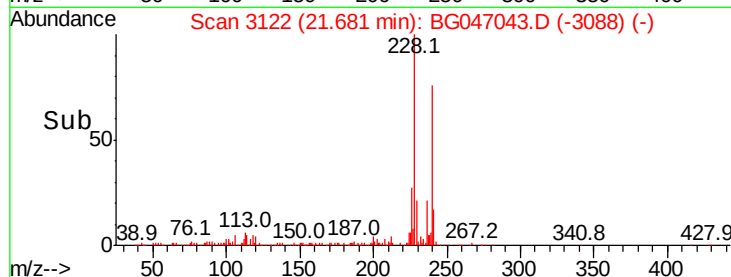
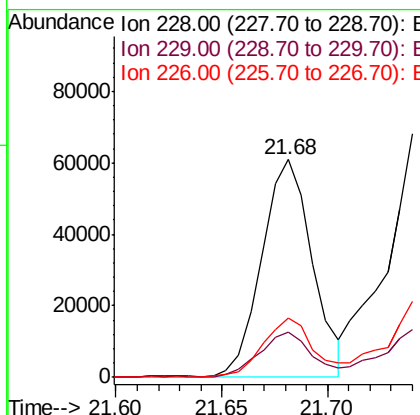
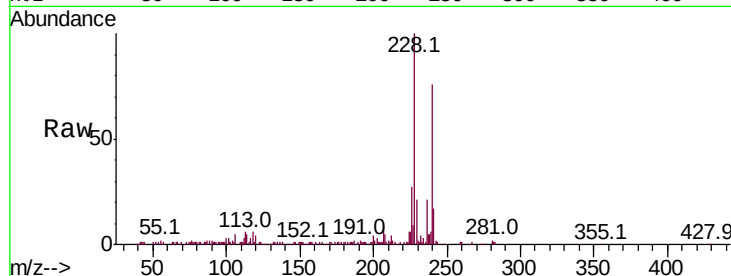




#83  
Benzo(a)anthracene  
Concen: 4.261 ng/ul  
RT: 21.68 min Scan# 3122  
Delta R.T. -0.00 min  
Lab File: BG047043.D  
Acq: 22 Oct 2020 23:07

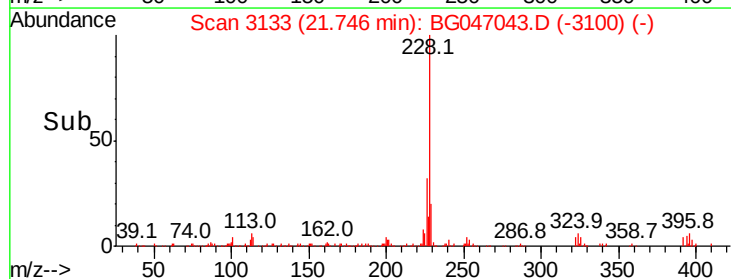
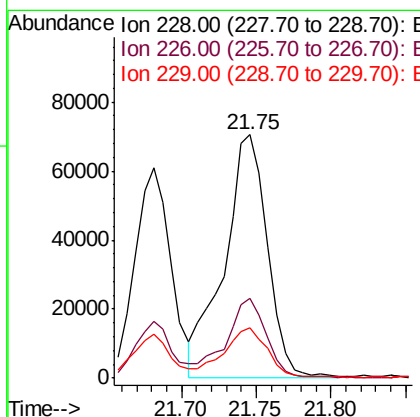
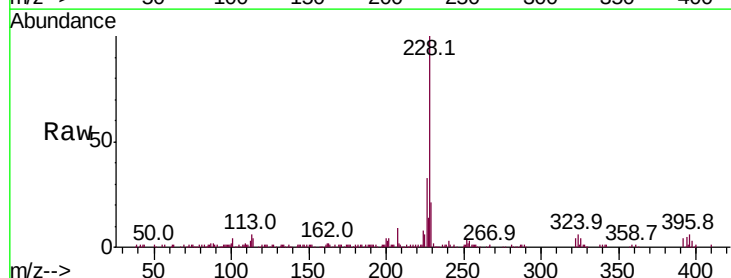
Instrument :  
BNA\_G  
ClientSampleId :  
C0AF1

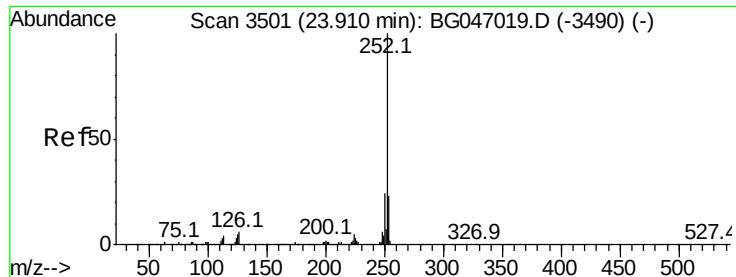
Tot Ion:228 Resp: 101662  
Ion Ratio Lower Upper  
228 100  
229 20.7 16.0 24.0  
226 27.3 20.8 31.2



#85  
Chrysene  
Concen: 6.183 ng/ul  
RT: 21.75 min Scan# 3133  
Delta R.T. -0.01 min  
Lab File: BG047043.D  
Acq: 22 Oct 2020 23:07

Tgt Ion:228 Resp: 141924  
Ion Ratio Lower Upper  
228 100  
226 32.5 22.8 34.2  
229 20.5 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 2.077 ng/ul

RT: 23.91 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

Instrument :

BNA\_G

ClientSampleId :

C0AF1

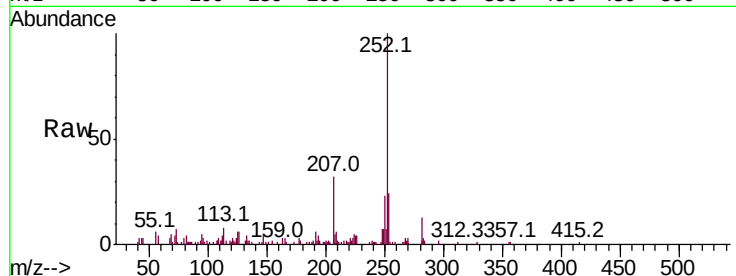
Tot Ion:252 Resp: 53710

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

125 6.2 4.2 6.4

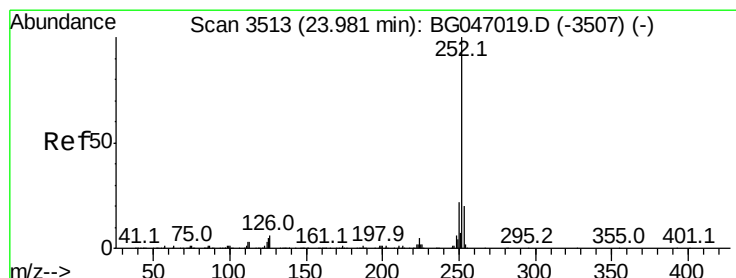
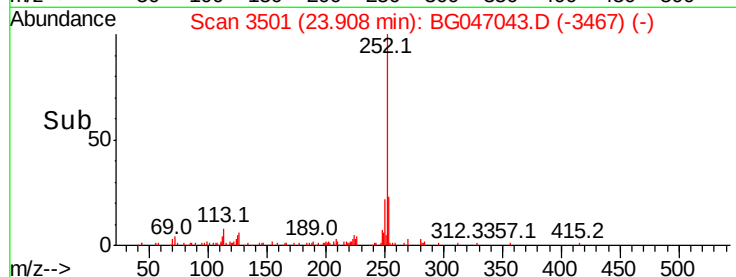
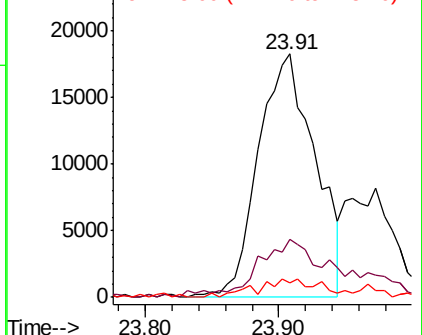


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 2.144 ng/ul

RT: 23.91 min Scan# 3501

Delta R.T. -0.07 min

Lab File: BG047043.D

Acq: 22 Oct 2020 23:07

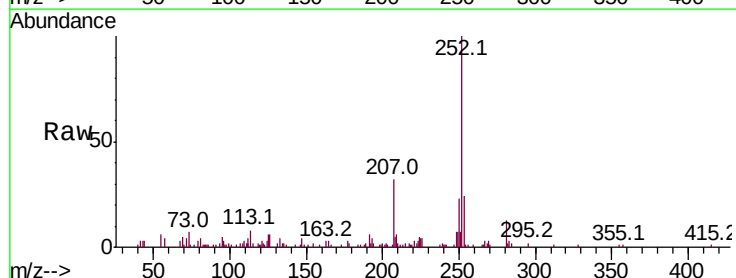
Tgt Ion:252 Resp: 53710

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

125 6.2 4.2 6.2



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

