

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102920\  
 Data File : BG047180.D  
 Acq On : 31 Oct 2020 8:23  
 Operator : CG/JU  
 Sample : L4507-17  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 01 23:13:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG102220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 29 16:49:45 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 65377    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.86 | 136  | 250221   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.69 | 164  | 172849   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.43 | 188  | 388819   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.70 | 240  | 405734   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 24.93 | 264  | 424288   | 20.00 | ng/ul | -0.02    |

## 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         | 10.86 | 131 | 170    | 0.04  | ng/ul | -0.14 |
| 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 | 388819 | 20.63 | ng/ul | -0.11 |
| 79) Pyrene-d10                 | 19.85 | 212 | 131    | 0.01  | ng/ul | 0.03  |
| 90) Benzo(a)pyrene-d12         | 24.65 | 264 | 117    | 0.01  | ng/ul | -0.08 |

## Target Compounds

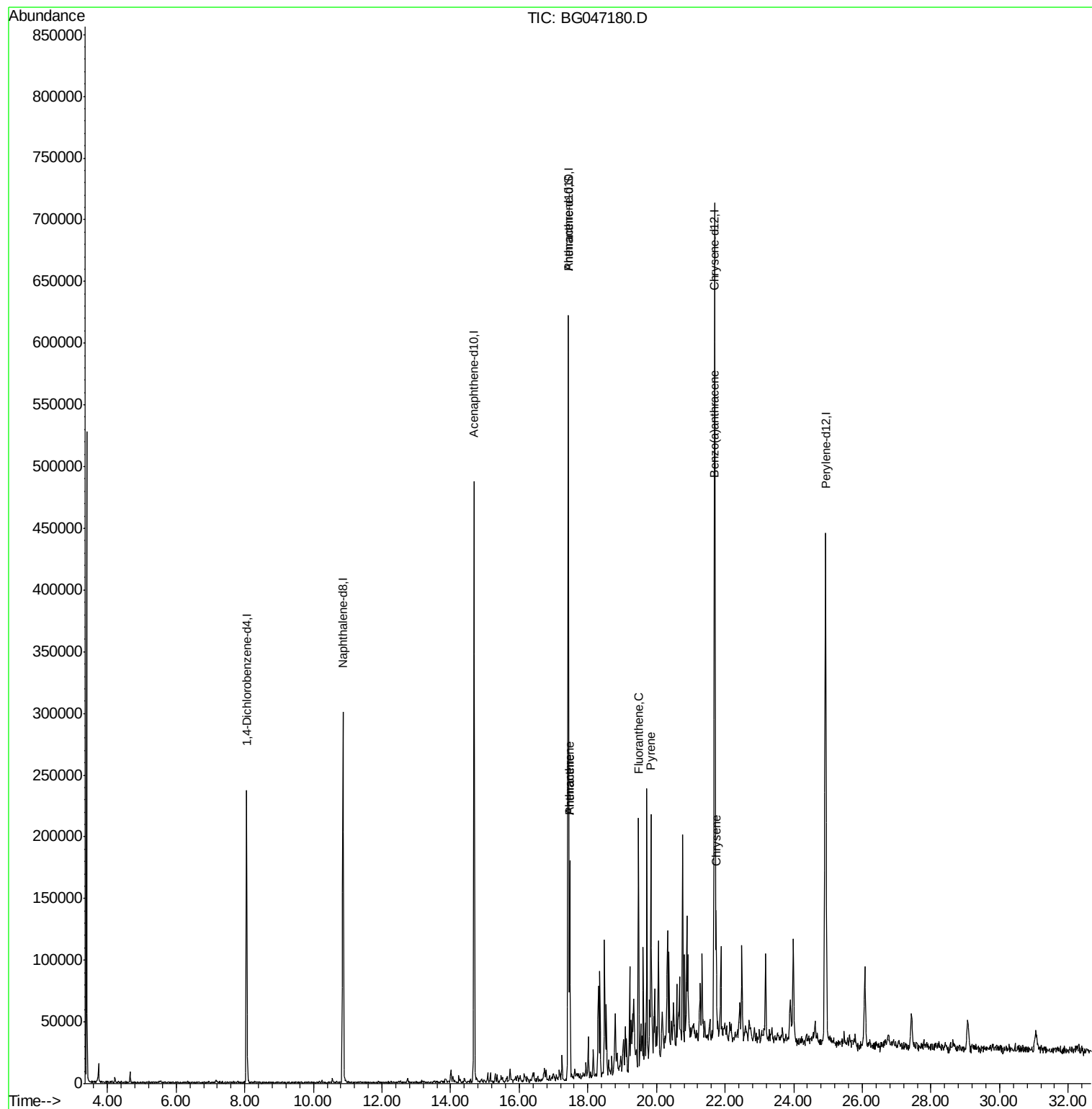
|                        |       |     |        |       | Ovalue    |
|------------------------|-------|-----|--------|-------|-----------|
| 70) Phenanthrene       | 17.47 | 178 | 113062 | 5.185 | ng/ul 98  |
| 72) Anthracene         | 17.47 | 178 | 113062 | 5.159 | ng/ul 95  |
| 77) Fluoranthene       | 19.47 | 202 | 117615 | 4.481 | ng/ul 99  |
| 80) Pyrene             | 19.84 | 202 | 107451 | 3.870 | ng/ul# 96 |
| 83) Benzo(a)anthracene | 21.68 | 228 | 51633  | 1.878 | ng/ul 99  |
| 85) Chrysene           | 21.74 | 228 | 73681  | 2.786 | ng/ul 97  |

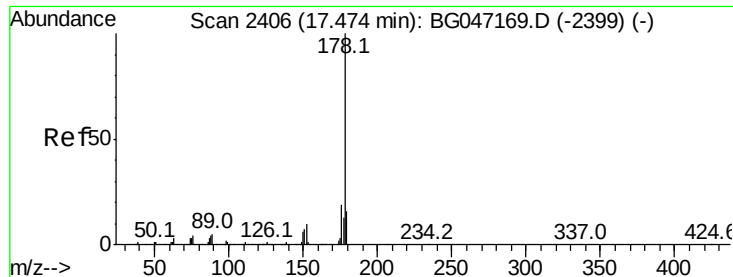
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102920\  
Data File : BG047180.D  
Acq On : 31 Oct 2020 8:23  
Operator : CG/JU  
Sample : L4507-17  
Misc : GCMS CONFIRMATION  
ALS Vial : 70 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 01 23:13:56 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG102220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 29 16:49:45 2020  
Response via : Initial Calibration





#70

Phenanthrene

Concen: 5.185 ng/ul

RT: 17.47 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG047180.D

Acq: 31 Oct 2020 8:23

Instrument :

BNA\_G

ClientSampleId :

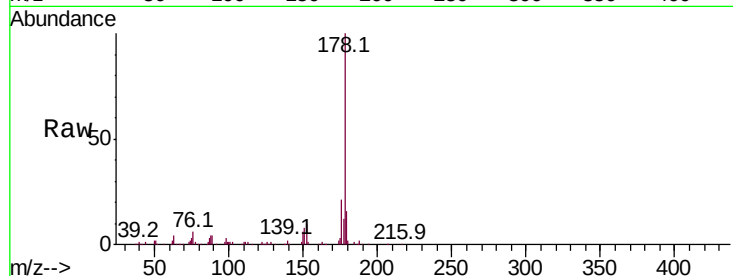
Tot Ion:178 Resp: 113062

Ion Ratio Lower Upper

178 100

179 16.4 13.0 19.4

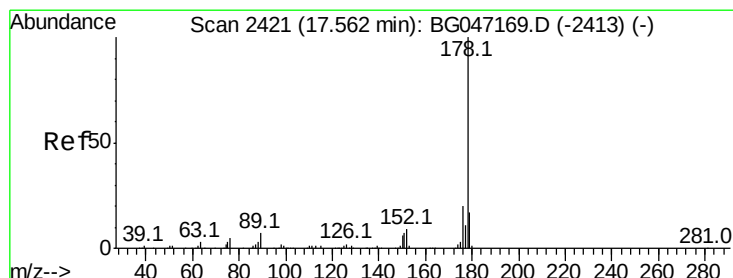
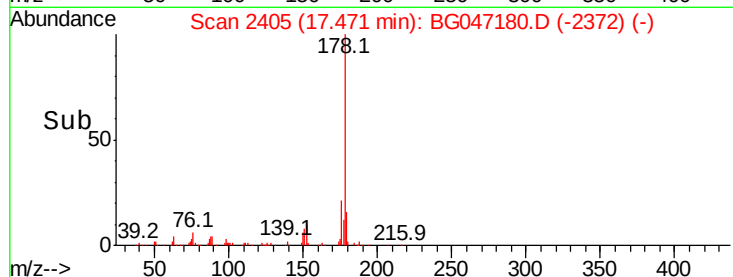
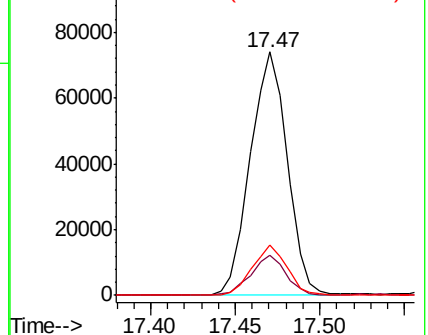
176 20.6 15.5 23.3



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: 5.159 ng/ul

RT: 17.47 min Scan# 2405

Delta R.T. -0.10 min

Lab File: BG047180.D

Acq: 31 Oct 2020 8:23

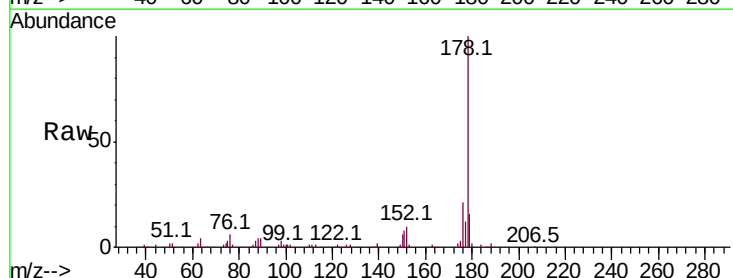
Tgt Ion:178 Resp: 113062

Ion Ratio Lower Upper

178 100

179 16.4 11.8 17.6

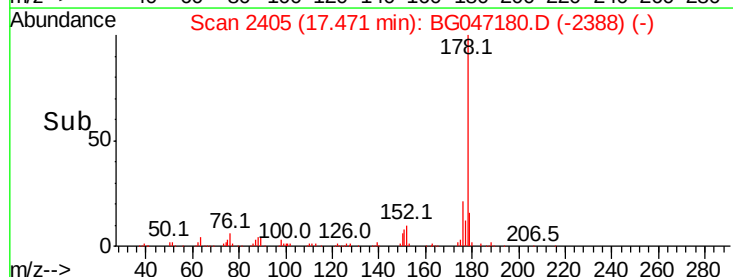
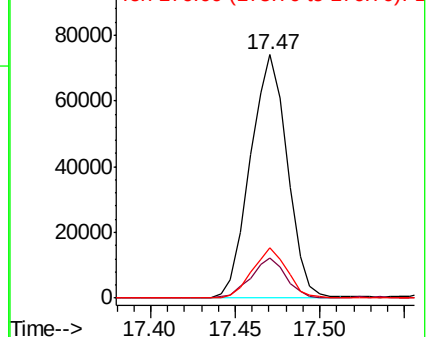
176 20.6 14.7 22.1

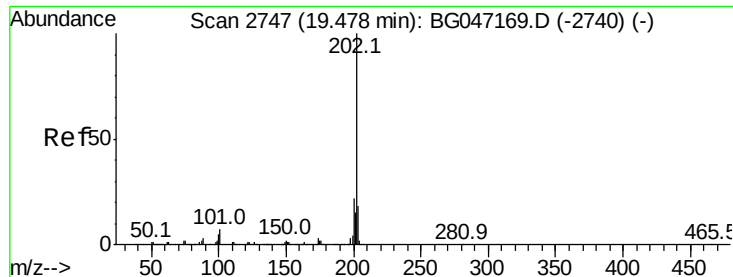


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 4.481 ng/ul

RT: 19.47 min Scan# 2746

Delta R.T. -0.01 min

Lab File: BG047180.D

Acq: 31 Oct 2020 8:23

Instrument :

BNA\_G

ClientSampleId :

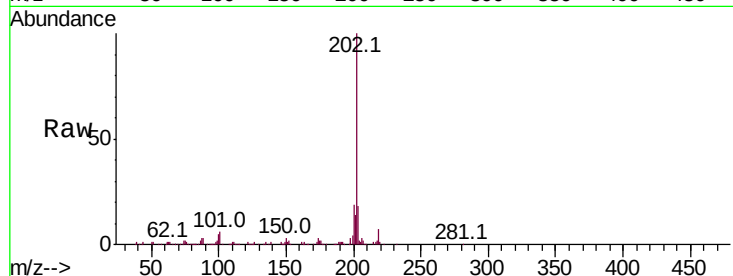
Tot Ion:202 Resp: 117615

Ion Ratio Lower Upper

202 100

101 6.4 4.9 7.3

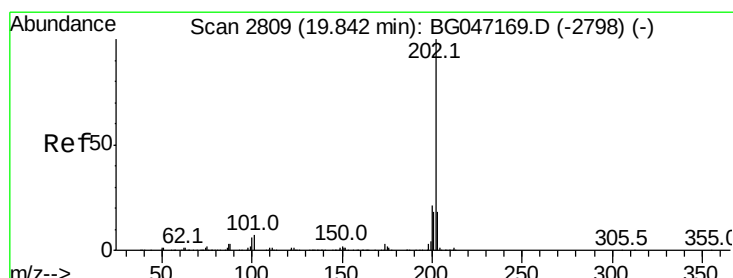
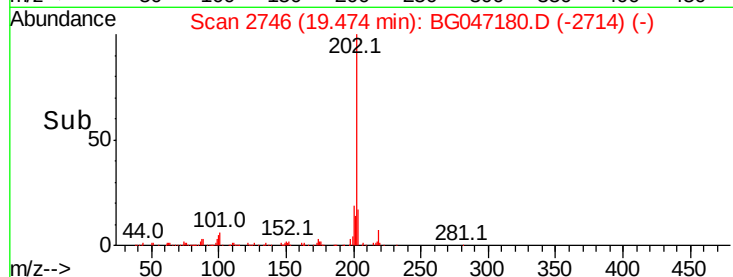
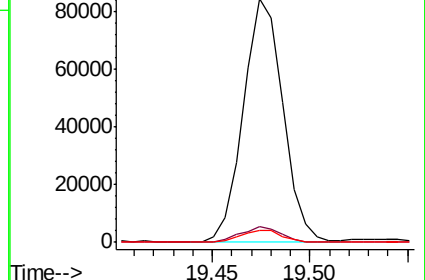
100 5.1 4.2 6.4



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: 3.870 ng/ul

RT: 19.84 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG047180.D

Acq: 31 Oct 2020 8:23

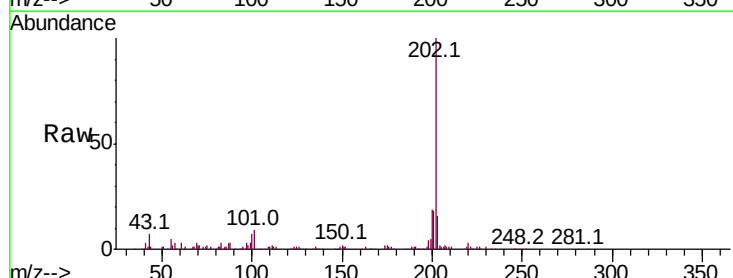
Tgt Ion:202 Resp: 107451

Ion Ratio Lower Upper

202 100

101 9.4 5.8 8.6#

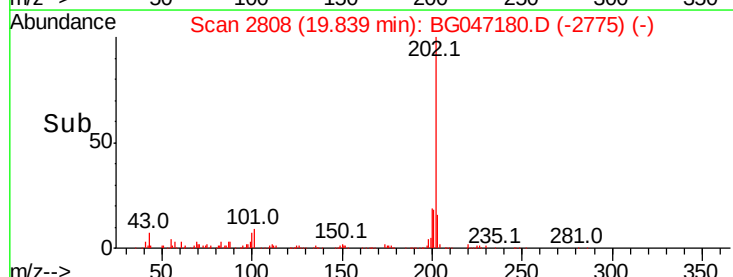
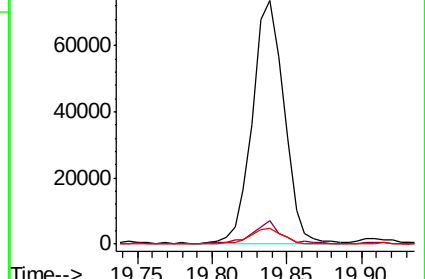
100 6.7 5.0 7.4

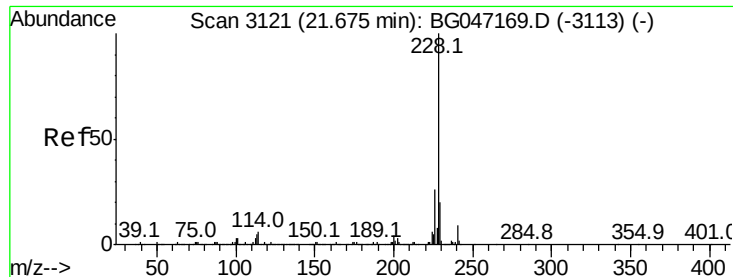


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

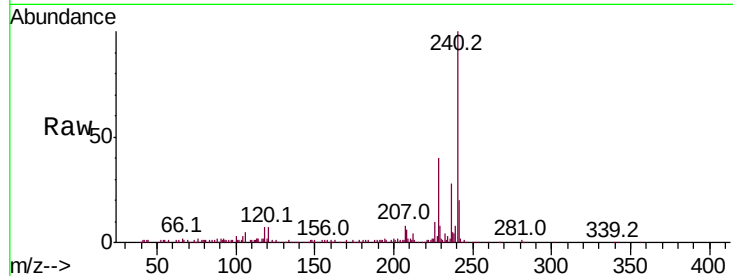




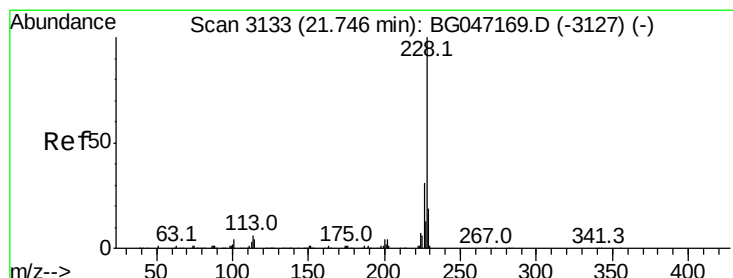
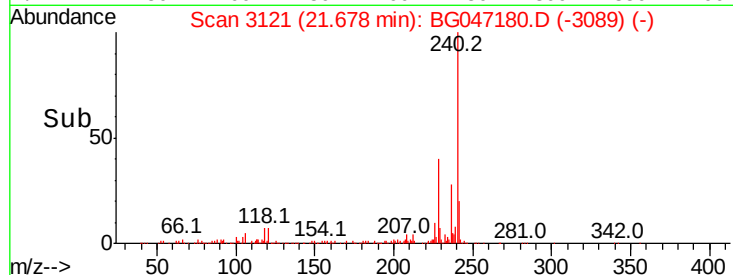
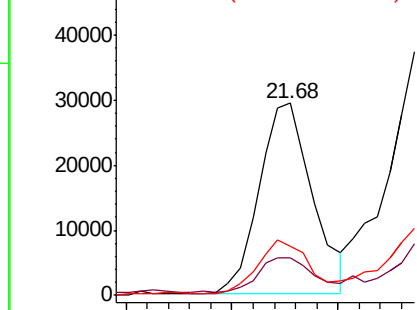
#83  
Benzo(a)anthracene  
Concen: 1.878 ng/ul  
RT: 21.68 min Scan# 3121  
Delta R.T. -0.01 min  
Lab File: BG047180.D  
Acq: 31 Oct 2020 8:23

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:228 Resp: 51633  
Ion Ratio Lower Upper  
228 100  
229 19.7 16.0 24.0  
226 25.4 20.8 31.2

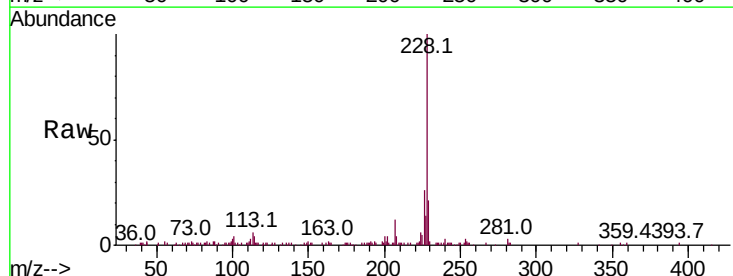


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#85  
Chrysene  
Concen: 2.786 ng/ul  
RT: 21.74 min Scan# 3132  
Delta R.T. -0.01 min  
Lab File: BG047180.D  
Acq: 31 Oct 2020 8:23

Tgt Ion:228 Resp: 73681  
Ion Ratio Lower Upper  
228 100  
226 26.3 22.8 34.2  
229 20.9 16.2 24.2



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

