

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057272.D  
 Acq On : 2 May 2023 10:17  
 Operator : CG/JU  
 Sample : 02419-23  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 03 01:04:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

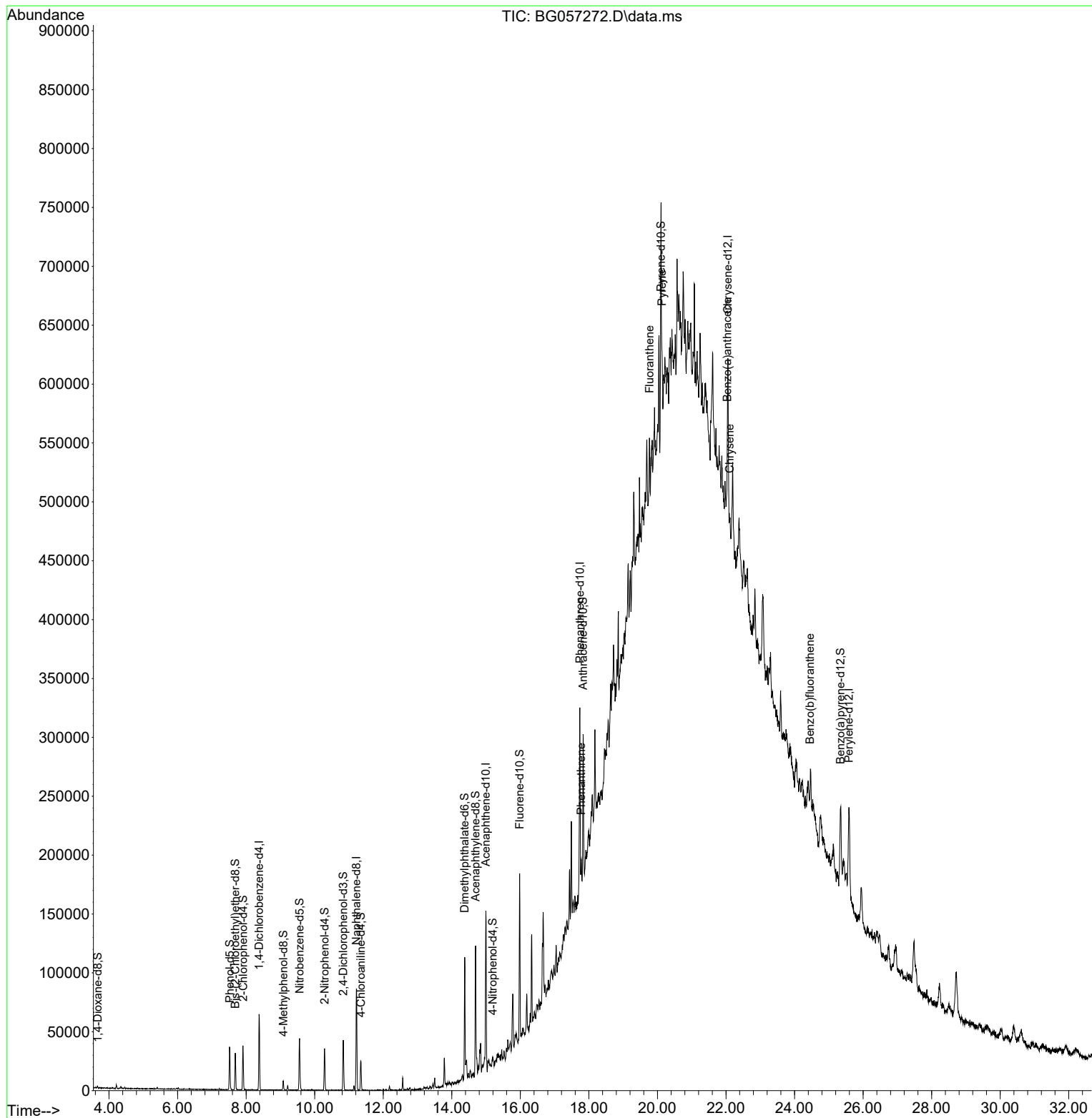
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.379  | 152  | 17999    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.216 | 136  | 73853    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.993 | 164  | 47983    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.737 | 188  | 97143    | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 22.054 | 240  | 85912    | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.585 | 264  | 94065    | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.668  | 96   | 811      | 1.983  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.049  | 84   | 131      | 0.102  | ng/ul  | -0.05    |
| 7) Phenol-d5                  | 7.521  | 99   | 21861    | 12.843 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.686  | 67   | 14590    | 14.573 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.909  | 132  | 17126    | 15.268 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.084  | 113  | 3565     | 2.756  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.560  | 128  | 10030    | 17.054 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.288 | 143  | 11116    | 16.195 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.834 | 165  | 17449    | 13.177 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.351 | 131  | 13919    | 7.931  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.377 | 166  | 68216    | 17.942 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.694 | 160  | 77782    | 18.202 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.193 | 143  | 945      | 1.708  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.980 | 176  | 59786    | 16.880 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0        | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.831 | 188  | 80565    | 18.169 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.104 | 212  | 97756    | 19.170 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.338 | 264  | 86469    | 18.043 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.778 | 178  | 11228    | 2.220  | ng/ul# | 86       |
| 80) Fluoranthene              | 19.769 | 202  | 24178    | 3.991  | ng/ul# | 97       |
| 82) Pyrene                    | 20.134 | 202  | 24789    | 4.042  | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 22.037 | 228  | 13591    | 2.237  | ng/ul# | 85       |
| 87) Chrysene                  | 22.107 | 228  | 14701    | 2.564  | ng/ul# | 77       |
| 90) Benzo(b)fluoranthene      | 24.451 | 252  | 13791    | 2.117  | ng/ul# | 72       |
| -----                         |        |      |          |        |        |          |

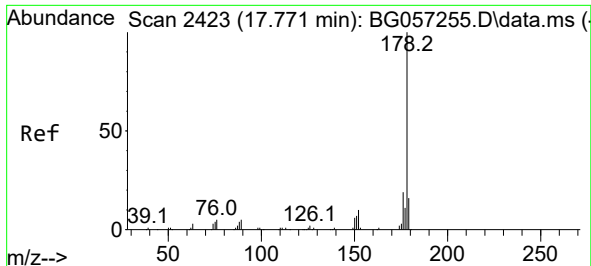
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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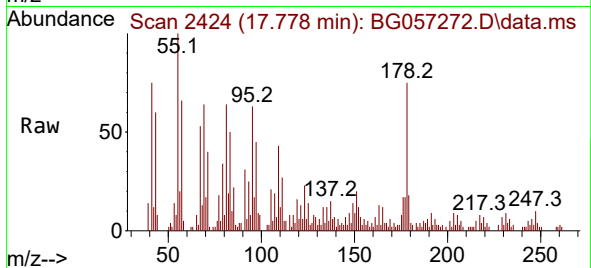
Quant Time: May 03 01:04:20 2023  
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Quant Title : SVOA CALIBRATION  
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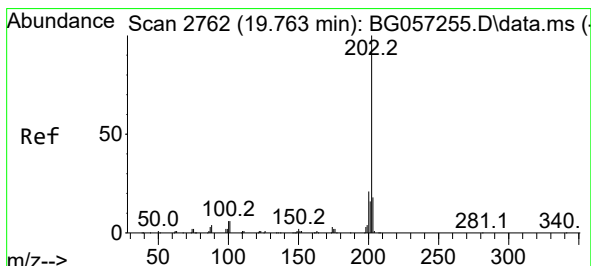
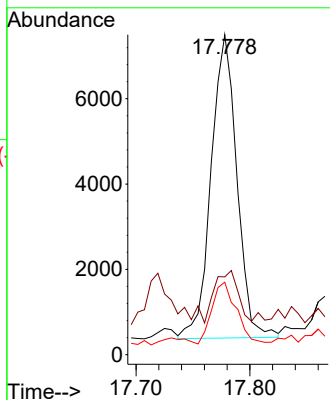
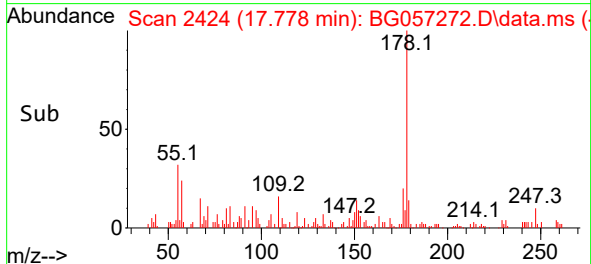


#72  
Phenanthrene  
Concen: 2.220 ng/ul  
RT: 17.778 min Scan# 2423  
Delta R.T. 0.004 min  
Lab File: BG057272.D  
Acq: 2 May 2023 10:17

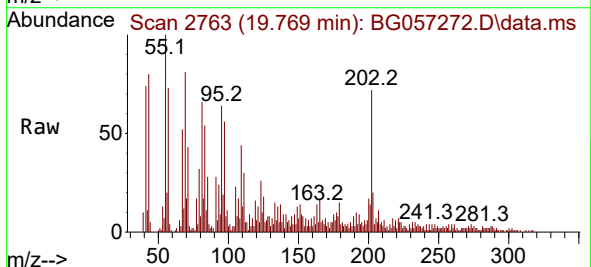
Instrument :  
BNA\_G  
ClientSampleId :



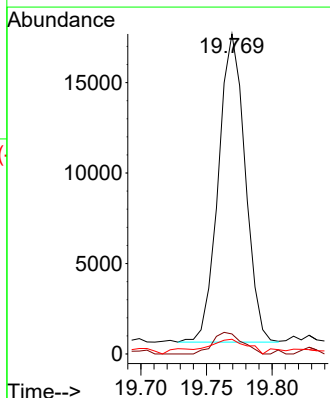
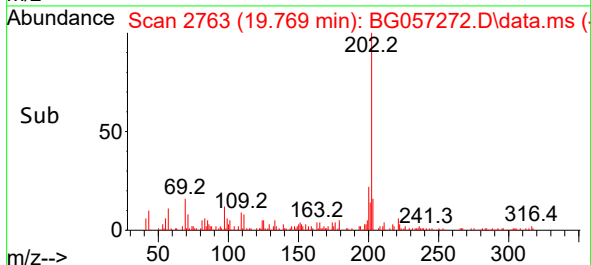
Tgt Ion:178 Resp: 11228  
Ion Ratio Lower Upper  
178 100  
179 24.3 11.8 17.8#  
176 22.6 15.4 23.0

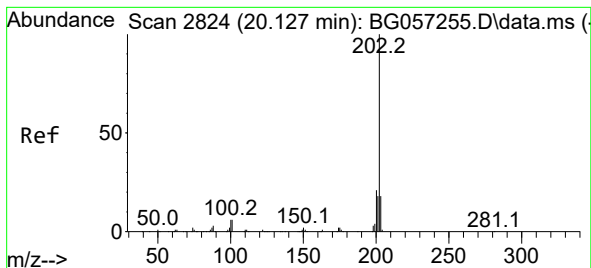


#80  
Fluoranthene  
Concen: 3.991 ng/ul  
RT: 19.769 min Scan# 2763  
Delta R.T. 0.004 min  
Lab File: BG057272.D  
Acq: 2 May 2023 10:17



Tgt Ion:202 Resp: 24178  
Ion Ratio Lower Upper  
202 100  
101 6.2 5.8 8.6  
100 4.6 4.6 7.0#





#82

Pyrene

Concen: 4.042 ng/ul

RT: 20.134 min Scan# 2

Delta R.T. 0.009 min

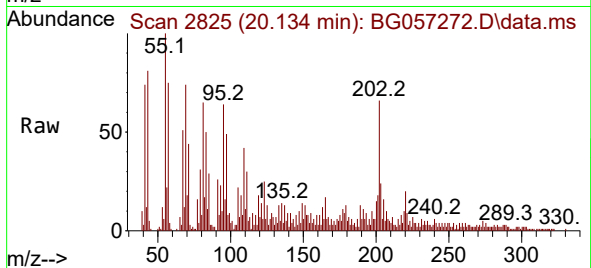
Lab File: BG057272.D

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Instrument :

BNA\_G

ClientSampleId :



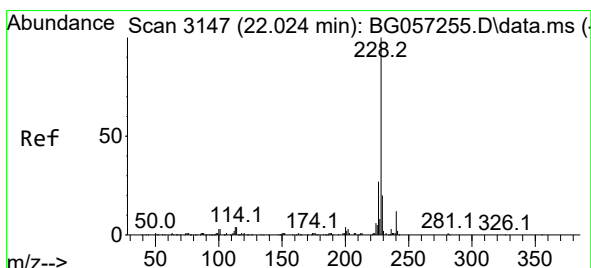
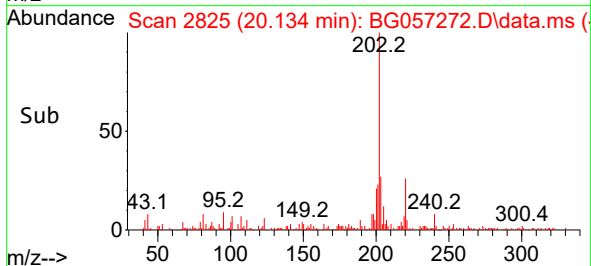
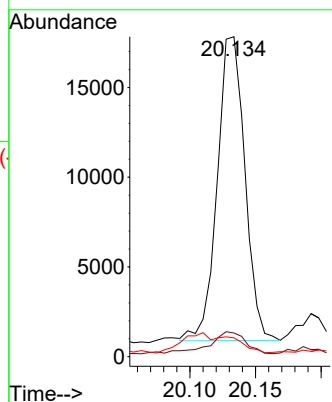
Tgt Ion:202 Resp: 24789

Ion Ratio Lower Upper

202 100

101 7.4 5.7 8.5

100 5.9 6.0 9.0#



#85

Benzo(a)anthracene

Concen: 2.237 ng/ul

RT: 22.037 min Scan# 3149

Delta R.T. 0.009 min

Lab File: BG057272.D

Acq: 2 May 2023 10:17

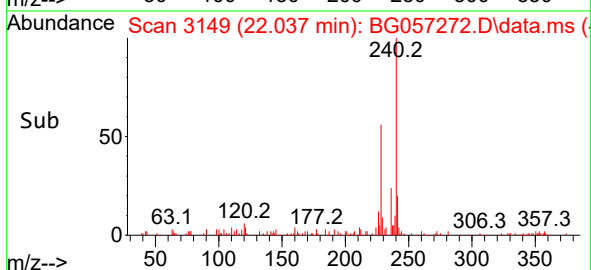
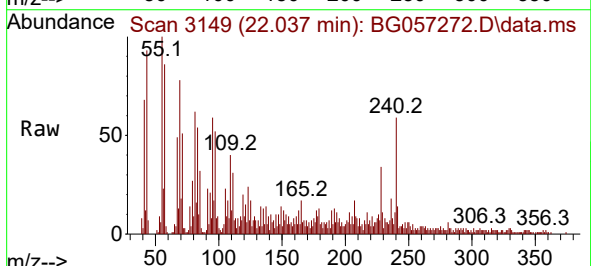
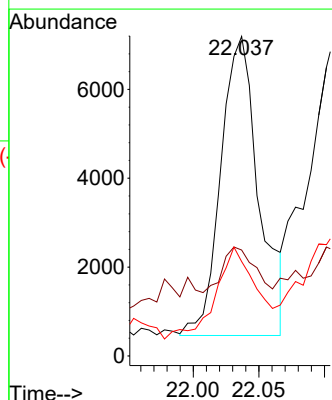
Tgt Ion:228 Resp: 13591

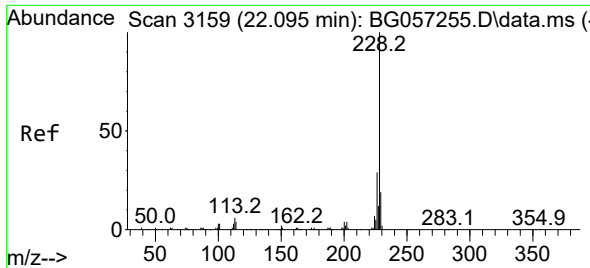
Ion Ratio Lower Upper

228 100

229 33.2 15.8 23.6#

226 29.5 21.7 32.5





#87

Chrysene

Concen: 2.564 ng/ul

RT: 22.107 min Scan# 3161

Delta R.T. 0.009 min

Lab File: BG057272.D

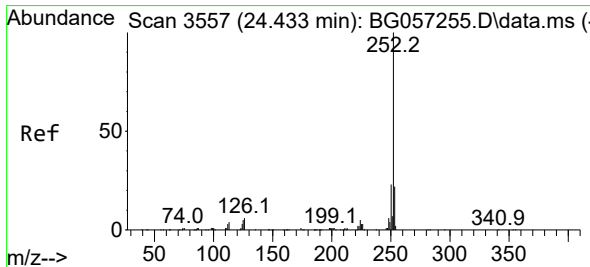
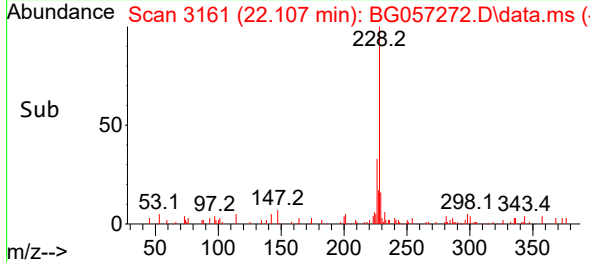
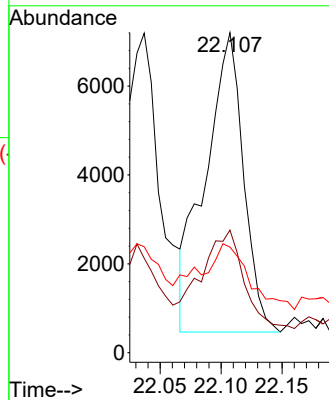
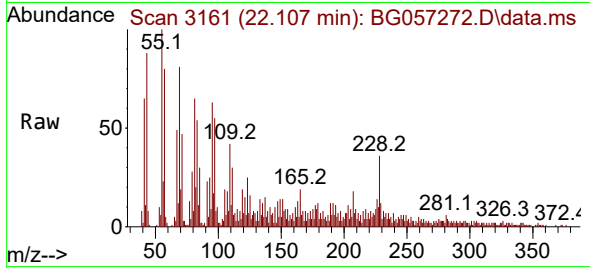
Acq: 2 May 2023 10:17

Instrument :

BNA\_G

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:228 | Resp: | 14701      |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 226         | 38.3  | 22.8 34.2# |
| 229         | 33.0  | 15.5 23.3# |



#90

Benzo(b)fluoranthene

Concen: 2.117 ng/ul

RT: 24.451 min Scan# 3560

Delta R.T. 0.015 min

Lab File: BG057272.D

Acq: 2 May 2023 10:17

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 13791      |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 30.3  | 16.7 25.1# |
| 125         | 25.1  | 4.8 7.2#   |

