

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070124\  
 Data File : BG061834.D  
 Acq On : 2 Jul 2024 6:20  
 Operator : MA/JU  
 Sample : P2963-21  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4B44

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 07:13:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 27 12:23:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.054  | 152  | 78389    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.863 | 136  | 374780   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.682 | 164  | 246829   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.426 | 188  | 555325   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.686 | 240  | 452983   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.894 | 264  | 514382   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.454  | 96   | 9847m    | 4.538  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.871  | 84   | 126401   | 19.266 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.203  | 99   | 241430   | 28.371 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.379  | 67   | 151559   | 28.570 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.579  | 132  | 166087   | 28.441 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.748  | 113  | 188221   | 28.611 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.218  | 128  | 87572    | 34.413 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 97520    | 37.838 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.475 | 165  | 188705   | 30.921 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.992 | 131  | 148764   | 16.101 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.083 | 166  | 591127   | 31.121 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.376 | 160  | 682740   | 32.798 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.864 | 143  | 90607    | 27.775 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.669 | 176  | 524570   | 31.546 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 68521    | 28.856 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.526 | 188  | 823997   | 32.507 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.805 | 212  | 879328   | 34.752 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.682 | 264  | 852000   | 34.680 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.467 | 178  | 47042    | 1.610  | ng/u1  | 96       |
| 80) Fluoranthene              | 19.470 | 202  | 100224   | 3.414  | ng/u1  | 98       |
| 82) Pyrene                    | 19.835 | 202  | 92642    | 2.968  | ng/u1# | 95       |
| 85) Benzo(a)anthracene        | 21.662 | 228  | 46535    | 1.464  | ng/u1  | 96       |
| 87) Chrysene                  | 21.733 | 228  | 44194    | 1.469  | ng/u1  | 92       |
| 90) Benzo(b)fluoranthene      | 23.871 | 252  | 53835    | 1.741  | ng/u1# | 91       |
| 93) Benzo(a)pyrene            | 24.753 | 252  | 42937    | 1.442  | ng/u1# | 89       |
| 96) Benzo(g,h,i)perylene      | 29.688 | 276  | 34476m   | 1.153  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

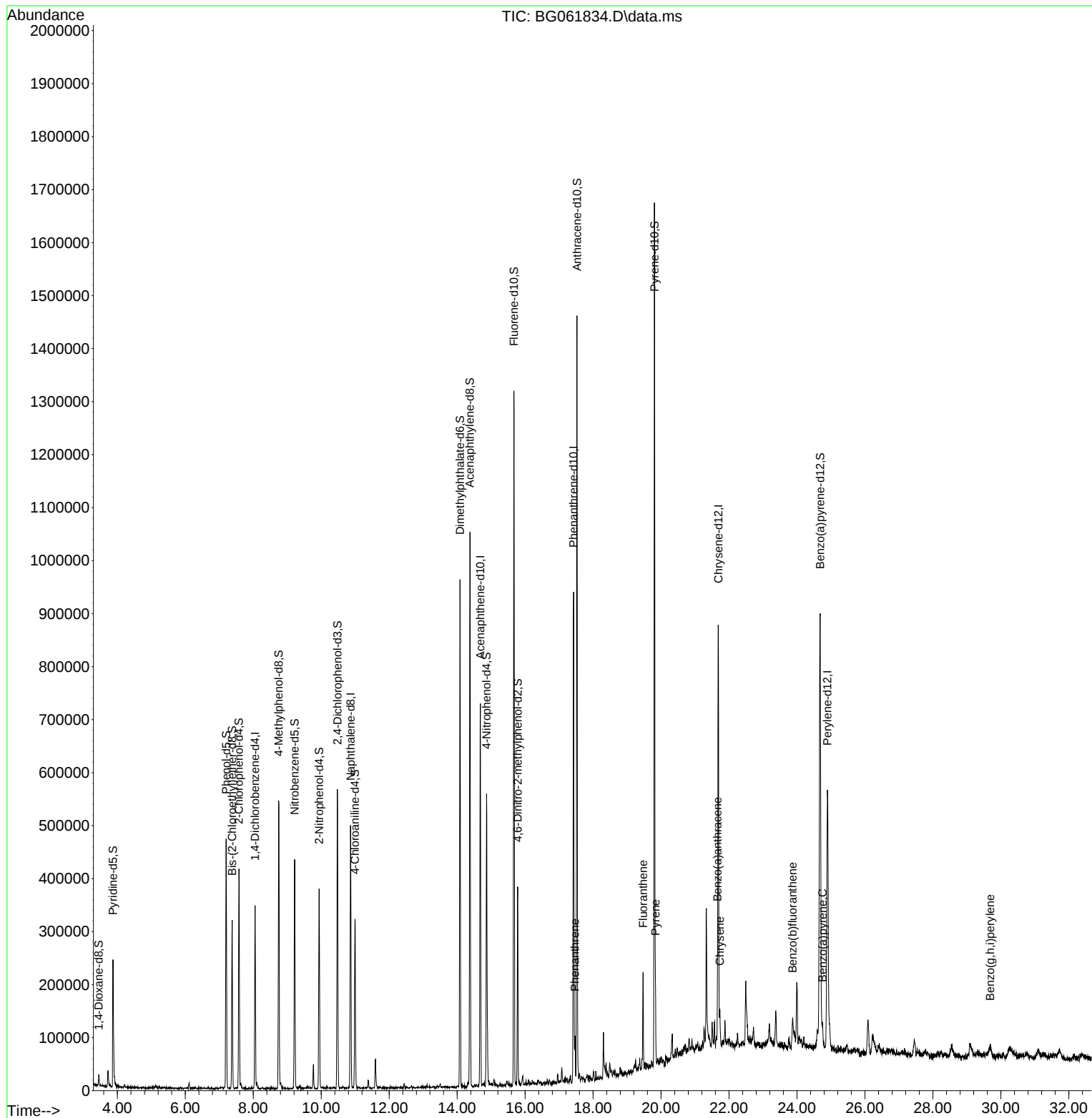
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070124\  
Data File : BG061834.D  
Acq On : 2 Jul 2024 6:20  
Operator : MA/JU  
Sample : P2963-21  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

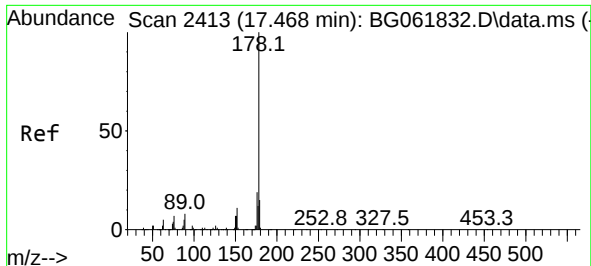
Instrument :  
BNA\_G  
ClientSampleId :  
A4B44

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 07:13:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 27 12:23:53 2024  
Response via : Initial Calibration





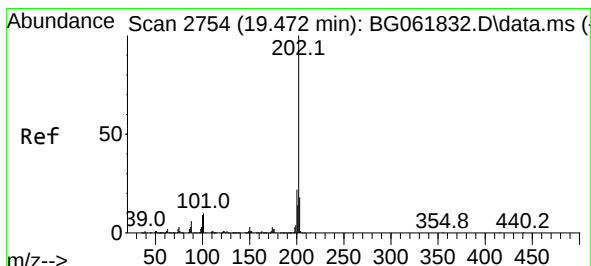
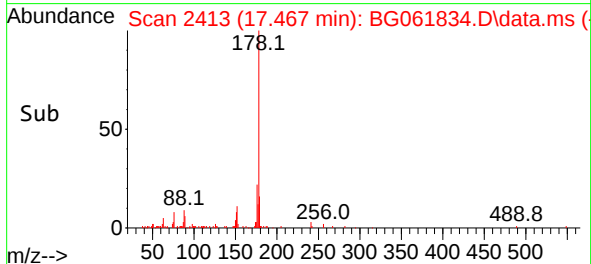
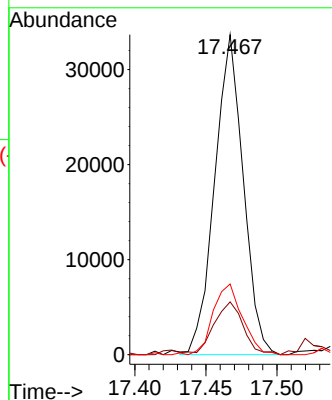
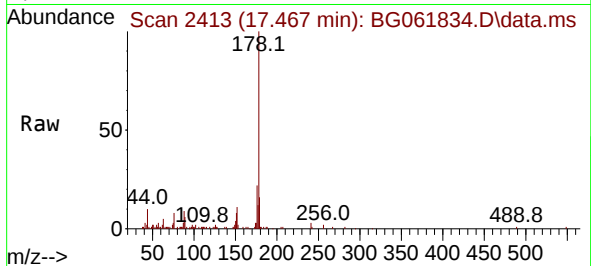
#72  
Phenanthrene  
Concen: 1.610 ng/ul  
RT: 17.467 min Scan# 2413  
Delta R.T. -0.005 min  
Lab File: BG061834.D  
Acq: 2 Jul 2024 6:20

Instrument :  
BNA\_G  
ClientSampleId :  
A4B44

Tgt Ion:178 Resp: 4704  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.0 18.0  
176 22.1 16.2 24.2

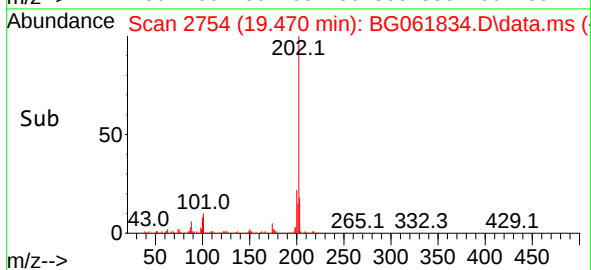
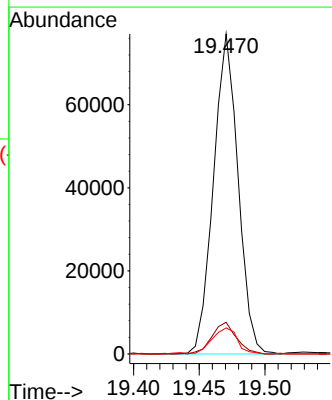
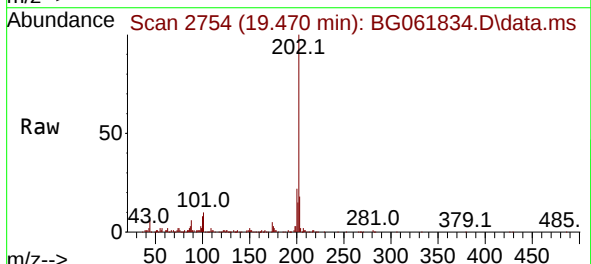
Manual Integrations  
APPROVED

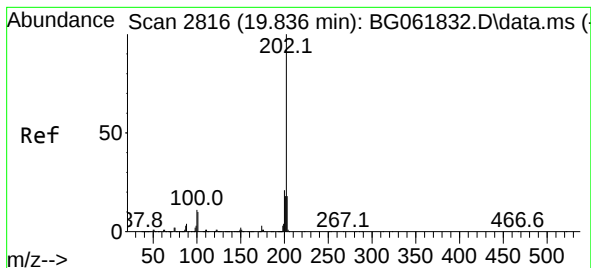
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#80  
Fluoranthene  
Concen: 3.414 ng/ul  
RT: 19.470 min Scan# 2754  
Delta R.T. -0.005 min  
Lab File: BG061834.D  
Acq: 2 Jul 2024 6:20

Tgt Ion:202 Resp: 100224  
Ion Ratio Lower Upper  
202 100  
101 9.9 7.8 11.6  
100 8.2 7.7 11.5





#82

Pyrene

Concen: 2.968 ng/ul

RT: 19.835 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

Instrument :

BNA\_G

ClientSampleId :

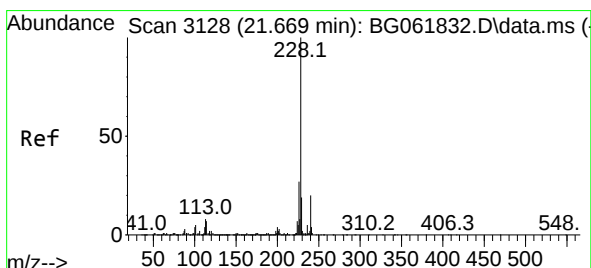
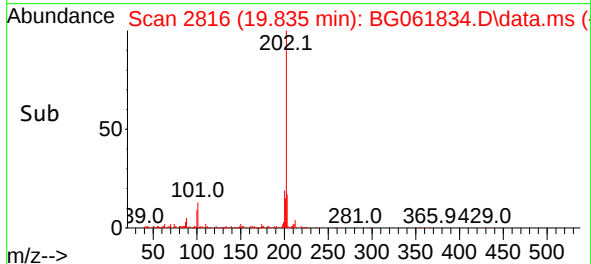
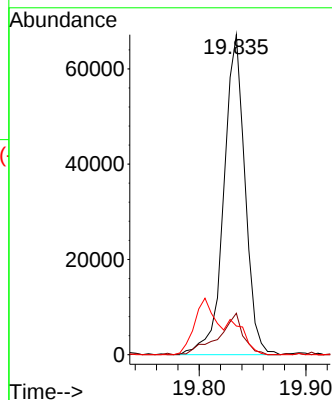
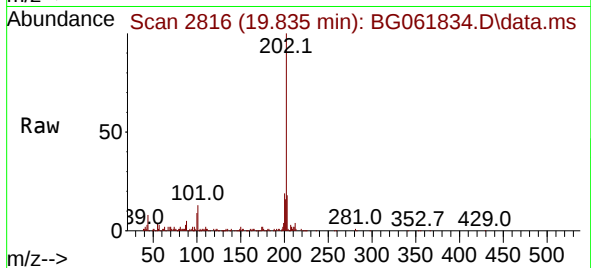
A4B44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 9264 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.9  | 10.1  | 15.1 |
| 100       | 9.0   | 9.9   | 14.9 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#85

Benzo(a)anthracene

Concen: 1.464 ng/ul

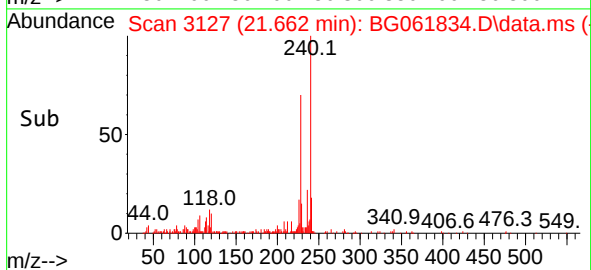
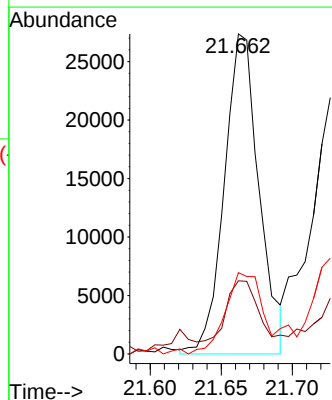
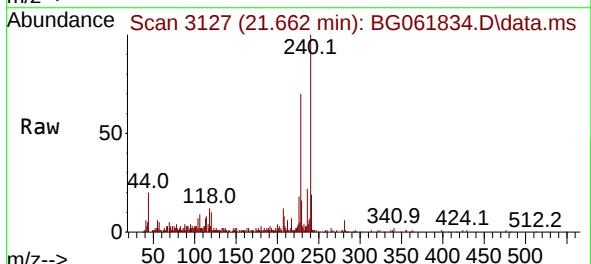
RT: 21.662 min Scan# 3127

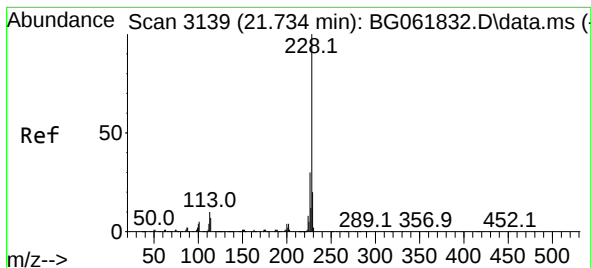
Delta R.T. -0.011 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 46535 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 22.8  | 15.8  | 23.8  |
| 226       | 25.4  | 21.4  | 32.2  |





#87

Chrysene

Concen: 1.469 ng/ul

RT: 21.733 min Scan# 3139

Delta R.T. -0.005 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

Instrument :

BNA\_G

ClientSampleId :

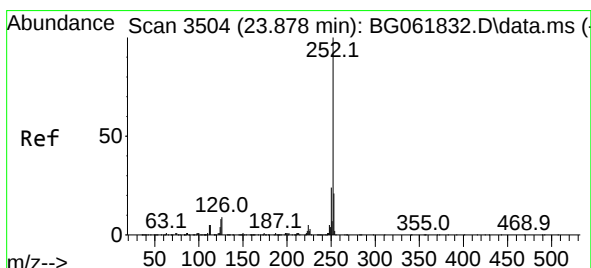
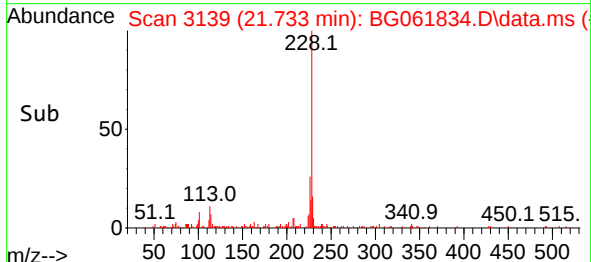
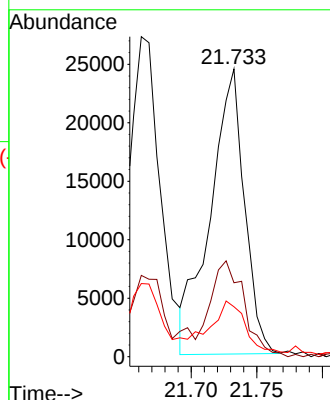
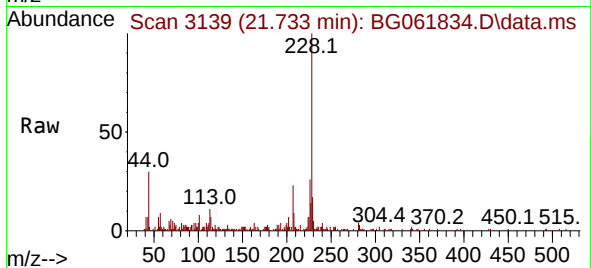
A4B44

|             |             |
|-------------|-------------|
| Tgt Ion:228 | Resp: 44194 |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 25.7    | 24.2 36.2   |
| 229 17.4    | 16.5 24.7   |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#90

Benzo(b)fluoranthene

Concen: 1.741 ng/ul

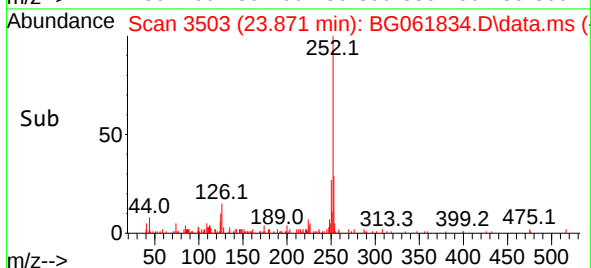
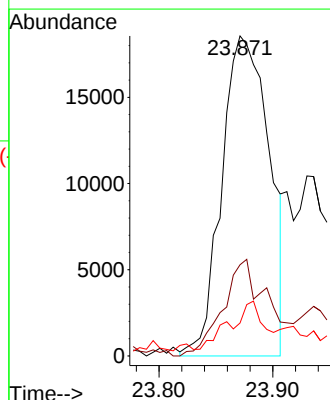
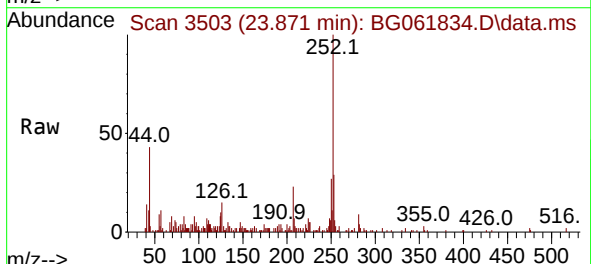
RT: 23.871 min Scan# 3503

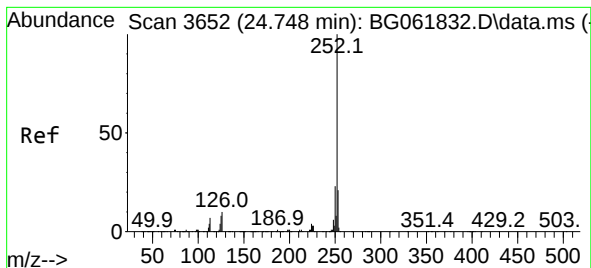
Delta R.T. -0.016 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

|             |             |
|-------------|-------------|
| Tgt Ion:252 | Resp: 53835 |
| Ion Ratio   | Lower Upper |
| 252 100     |             |
| 253 28.5    | 18.6 27.8#  |
| 125 10.3    | 7.0 10.6    |





#93

Benzo(a)pyrene

Concen: 1.442 ng/ul

RT: 24.753 min Scan# 30

Delta R.T. -0.011 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

Instrument :

BNA\_G

ClientSampleId :

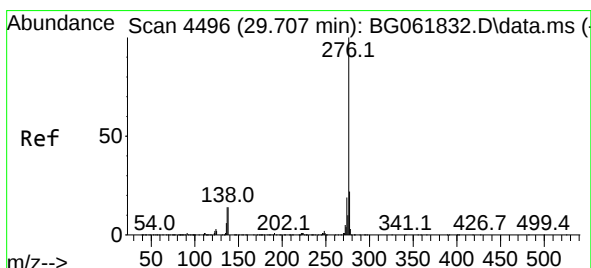
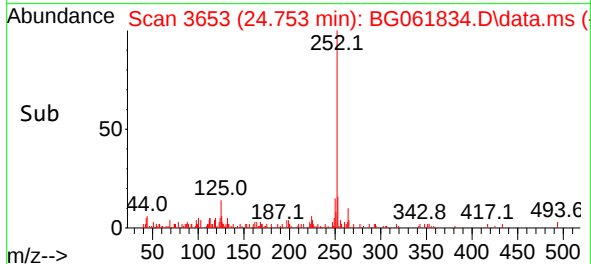
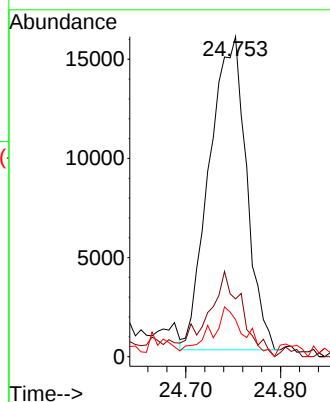
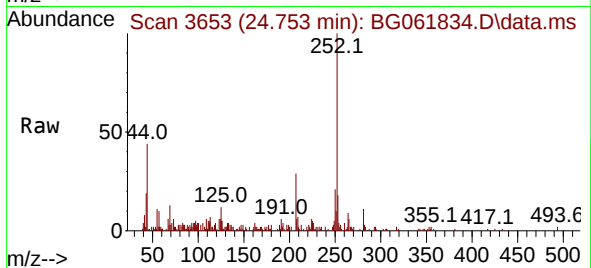
A4B44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 4293 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 18.0  | 16.8  | 25.2 |
| 125       | 16.8  | 6.5   | 9.7  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#96

Benzo(g,h,i)perylene

Concen: 1.153 ng/ul m

RT: 29.688 min Scan# 4493

Delta R.T. -0.022 min

Lab File: BG061834.D

Acq: 2 Jul 2024 6:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 34476 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.5  | 12.2  | 18.4  |
| 277       | 22.2  | 18.6  | 27.8  |

