

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060724\  
 Data File : BG061540.D  
 Acq On : 7 Jun 2024 19:39  
 Operator : MA/JU  
 Sample : P2640-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4BG8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024  
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 07 22:13:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.870  | 152  | 21857    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.667 | 136  | 90794    | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.510 | 164  | 69678    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 167578   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.525 | 240  | 185705   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.627 | 264  | 214300   | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.329  | 96   | 2018m    | 5.167  | ng/uL  | -0.03    |
| 4) Pyridine-d5                | 3.734  | 84   | 15437    | 11.110 | ng/u1  | -0.04    |
| 7) Phenol-d5                  | 7.060  | 99   | 56209    | 31.316 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.201  | 67   | 32647    | 28.938 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.412  | 132  | 46313    | 34.864 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.593  | 113  | 46006    | 30.059 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.028  | 128  | 24130    | 34.518 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.751  | 143  | 28237    | 34.514 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.303 | 165  | 57642    | 36.140 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.808 | 131  | 52395    | 25.110 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 184367   | 34.116 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.204 | 160  | 196790   | 35.027 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.762 | 143  | 17572m   | 26.301 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.509 | 176  | 162306   | 34.787 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.655 | 200  | 25230    | 24.893 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.365 | 188  | 262443   | 35.523 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.662 | 212  | 296367   | 31.082 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.416 | 264  | 252508   | 24.509 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.306 | 178  | 25661    | 3.155  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.328 | 202  | 56934    | 4.977  | ng/u1# | 96       |
| 82) Pyrene                    | 19.686 | 202  | 44670    | 3.762  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.507 | 228  | 31722    | 2.476  | ng/u1  | 97       |
| 87) Chrysene                  | 21.572 | 228  | 31603    | 2.679  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.646 | 252  | 40717    | 3.191  | ng/u1# | 94       |
| 91) Benzo(k)fluoranthene      | 23.705 | 252  | 17577m   | 1.357  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.474 | 252  | 18582    | 1.534  | ng/u1# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.141 | 276  | 17078m   | 1.166  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

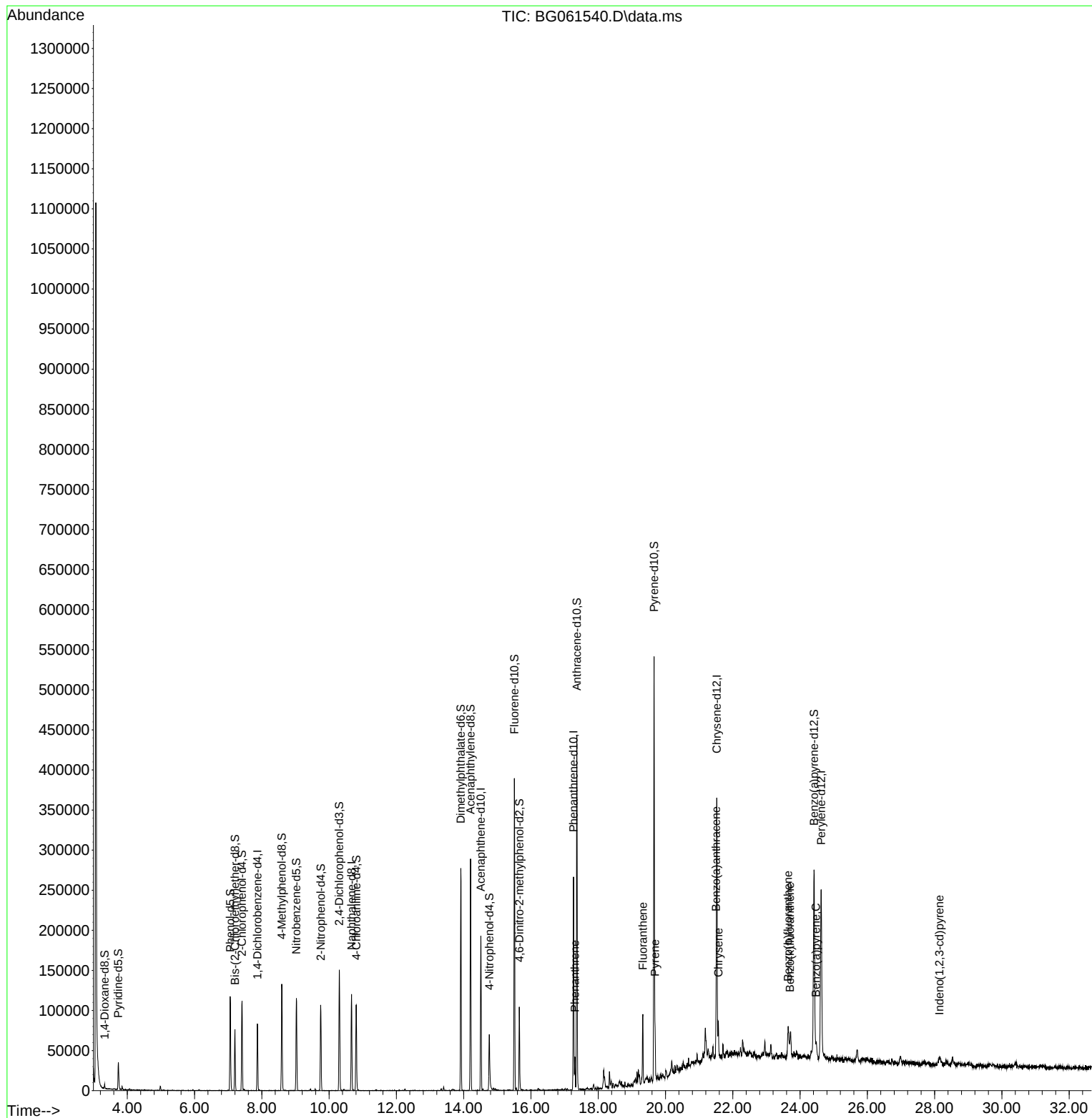
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060724\  
Data File : BG061540.D  
Acq On : 7 Jun 2024 19:39  
Operator : MA/JU  
Sample : P2640-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

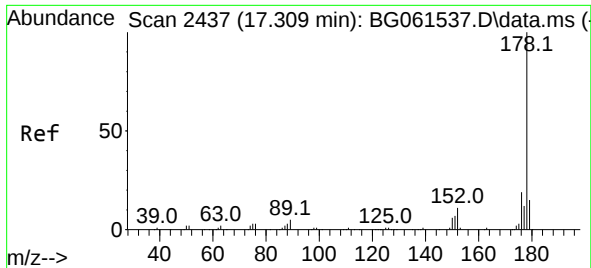
Instrument :  
BNA\_G  
ClientSampleId :  
A4BG8

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Supervised By :mohammad ahmed 06/10/2024

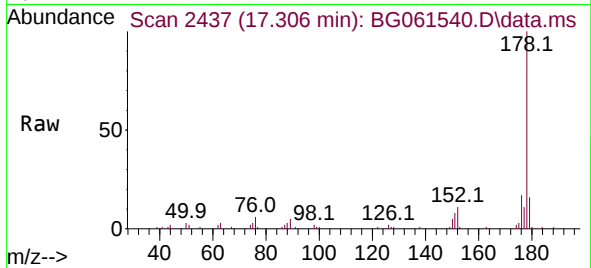
Quant Time: Jun 07 22:13:16 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 12:15:45 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 3.155 ng/ul  
RT: 17.306 min Scan# 2437  
Delta R.T. 0.000 min  
Lab File: BG061540.D  
Acq: 7 Jun 2024 19:39

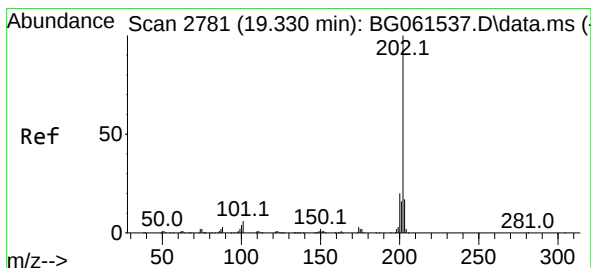
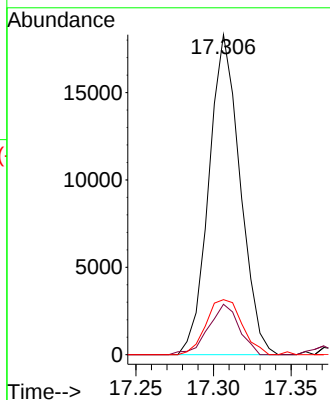
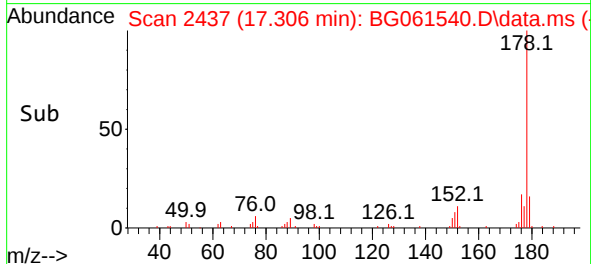
Instrument :  
BNA\_G  
ClientSampleId :  
A4BG8



Tgt Ion:178 Resp: 2566  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.7 19.1  
176 17.2 15.5 23.3

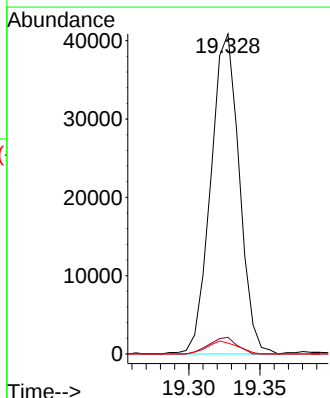
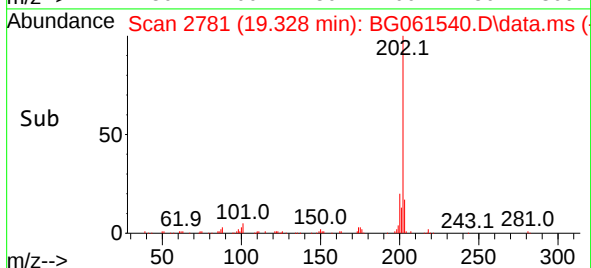
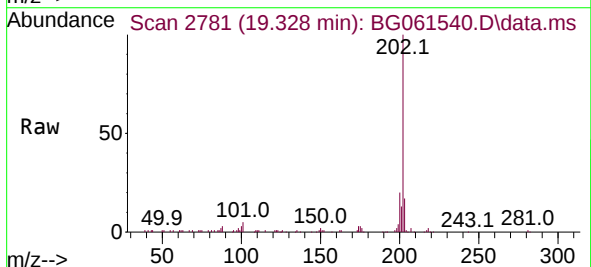
Manual Integrations  
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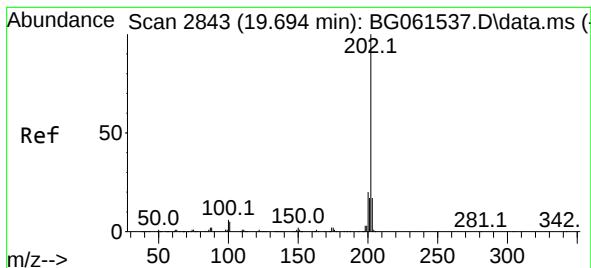
Reviewed By :Yogesh Patel 06/08/2024  
Supervised By :mohammad ahmed 06/10/2024



#80  
Fluoranthene  
Concen: 4.977 ng/ul  
RT: 19.328 min Scan# 2781  
Delta R.T. 0.006 min  
Lab File: BG061540.D  
Acq: 7 Jun 2024 19:39

Tgt Ion:202 Resp: 56934  
Ion Ratio Lower Upper  
202 100  
101 5.2 4.8 7.2  
100 3.4 4.1 6.1#





#82

Pyrene

Concen: 3.762 ng/ul

RT: 19.686 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

Instrument :

BNA\_G

ClientSampleId :

A4BG8

Tgt Ion:202 Resp: 44670

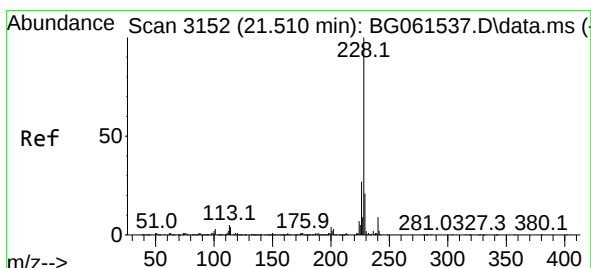
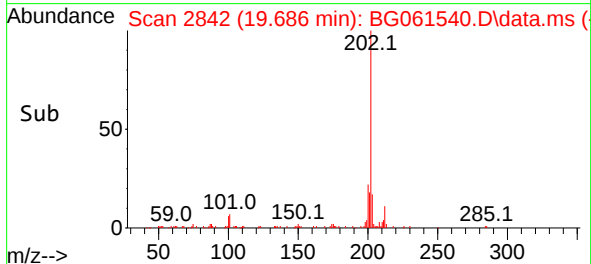
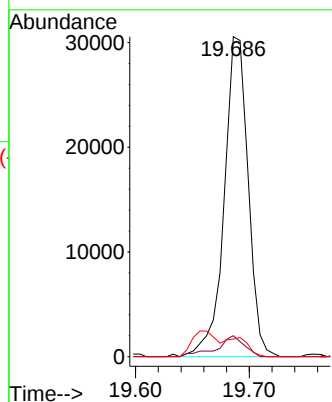
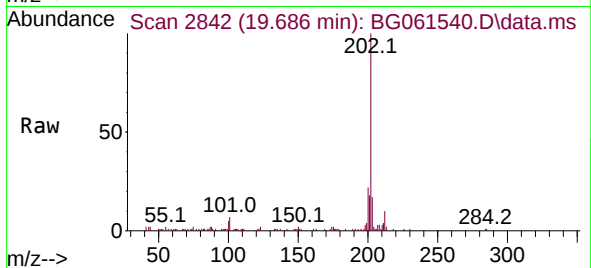
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 6.6   | 5.7   | 8.5   |
| 100 | 5.5   | 5.1   | 7.7   |

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Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 2.476 ng/ul

RT: 21.507 min Scan# 3152

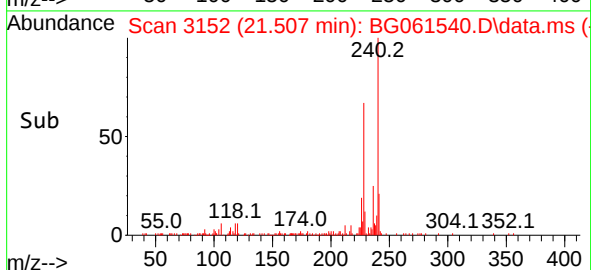
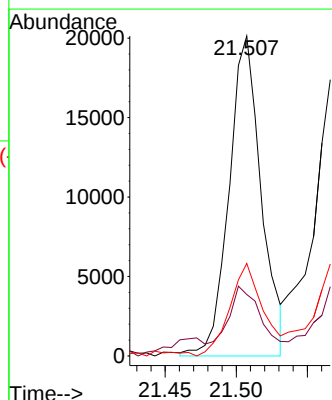
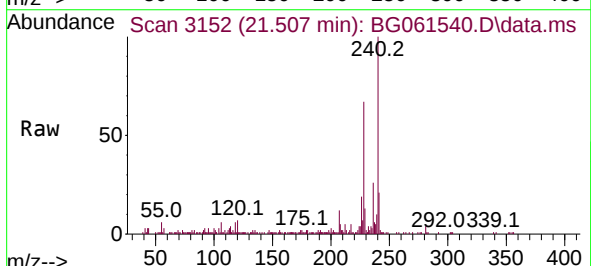
Delta R.T. 0.006 min

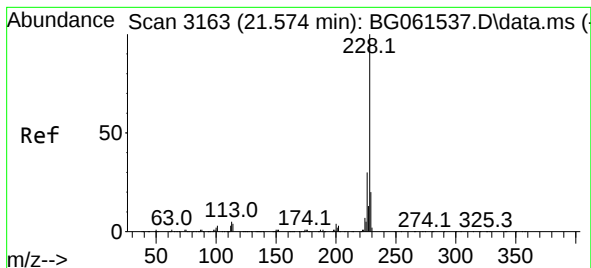
Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

Tgt Ion:228 Resp: 31722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.2  | 15.2  | 22.8  |
| 226 | 28.9  | 21.4  | 32.2  |





#87

Chrysene

Concen: 2.679 ng/ul

RT: 21.572 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

Instrument :

BNA\_G

ClientSampleId :

A4BG8

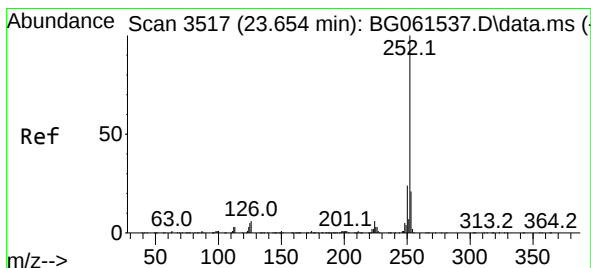
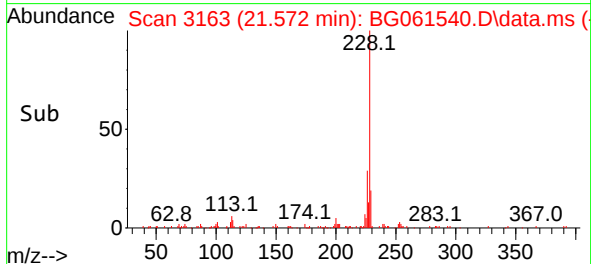
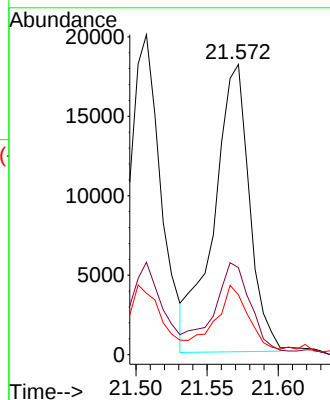
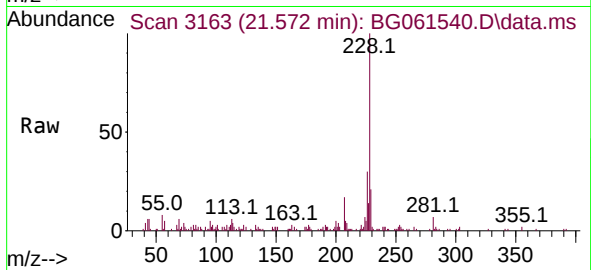
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 3160      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.0  | 23.4 35.0 |
| 229         | 20.6  | 15.4 23.2 |

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 3.191 ng/ul

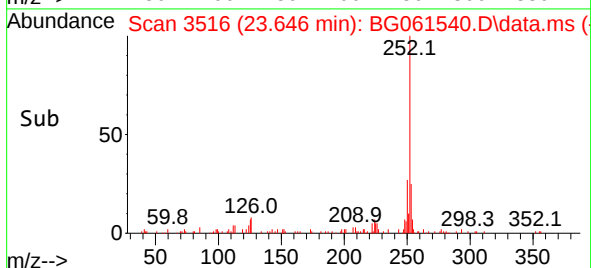
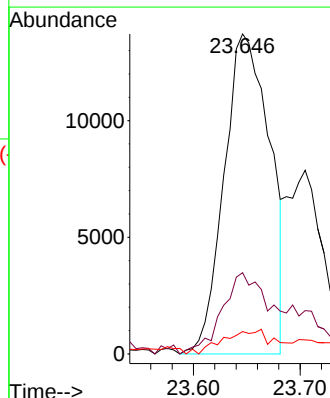
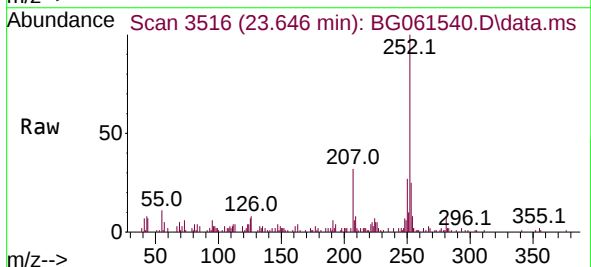
RT: 23.646 min Scan# 3516

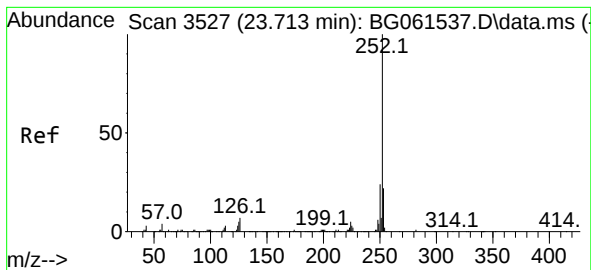
Delta R.T. 0.012 min

Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 40717     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 25.4  | 17.8 26.8 |
| 125         | 7.0   | 4.6 6.8   |





#91

Benzo(k)fluoranthene

Concen: 1.357 ng/ul m

RT: 23.705 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

Instrument :

BNA\_G

ClientSampleId :

A4BG8

Tgt Ion:252 Resp: 1757

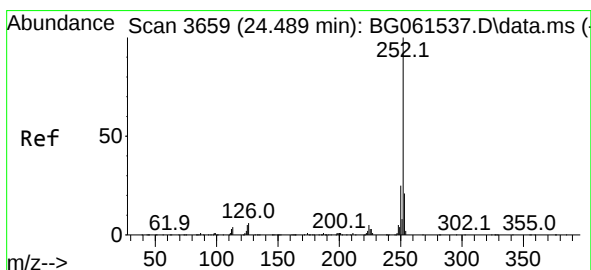
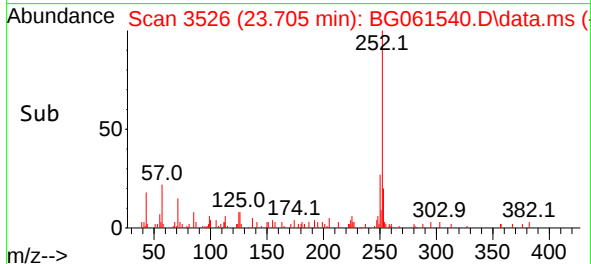
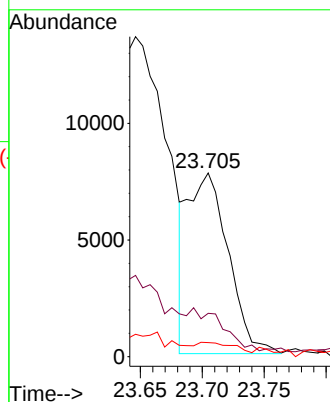
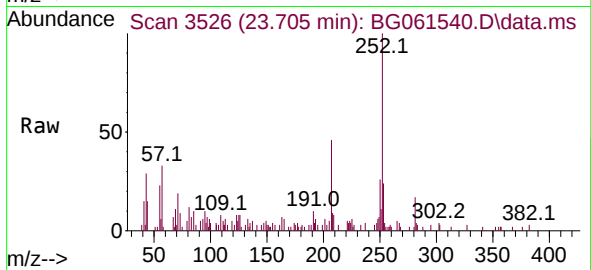
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.6  | 16.0  | 24.0  |
| 125 | 7.6   | 4.3   | 6.5   |

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 1.534 ng/ul

RT: 24.474 min Scan# 3657

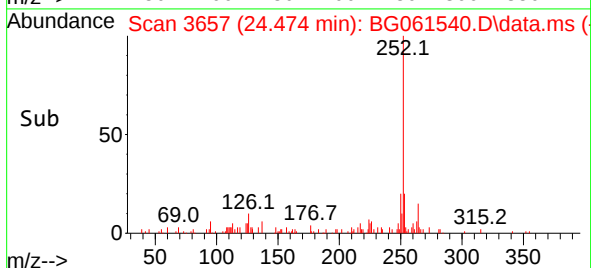
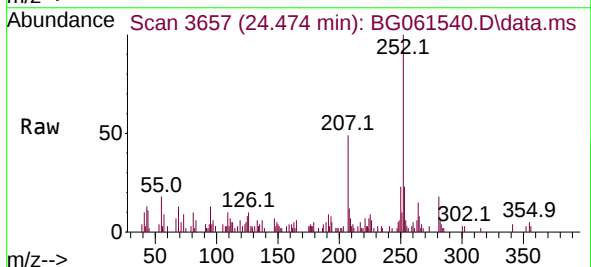
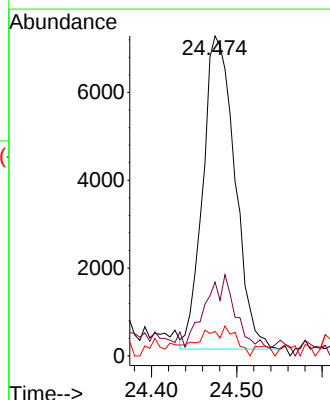
Delta R.T. 0.006 min

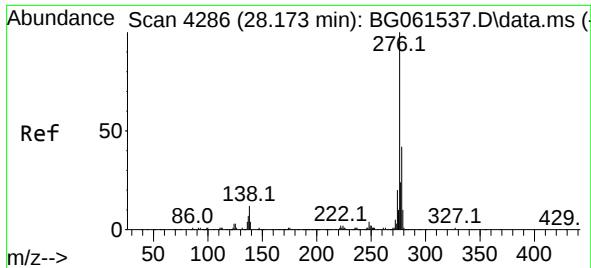
Lab File: BG061540.D

Acq: 7 Jun 2024 19:39

Tgt Ion:252 Resp: 18582

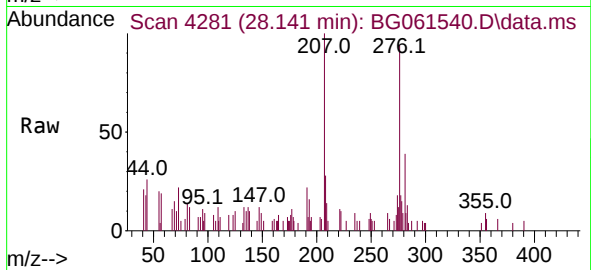
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 16.4  | 24.6  |
| 125 | 7.6   | 4.3   | 6.5   |





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.166 ng/ul m  
 RT: 28.141 min Scan# 4281  
 Delta R.T. 0.006 min  
 Lab File: BG061540.D  
 Acq: 7 Jun 2024 19:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4BG8



Tgt Ion:276 Resp: 17078  
 Ion Ratio Lower Upper  
 276 100  
 138 10.3 8.6 13.0  
 277 18.7 19.7 29.5

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