

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053124\  
 Data File : BG061410.D  
 Acq On : 1 Jun 2024 3:06  
 Operator : MA/JU  
 Sample : P2588-17  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BH6E2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 04:07:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.870  | 152  | 27271    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.666 | 136  | 108214   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.509 | 164  | 81618    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.259 | 188  | 194712   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.513 | 240  | 204748   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.597 | 264  | 227102   | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 2271     | 4.660  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.739  | 84   | 36263    | 20.917 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.059  | 99   | 52220    | 23.318 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.200  | 67   | 31262    | 22.209 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.411  | 132  | 41393    | 24.974 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.592  | 113  | 40567    | 21.244 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.027  | 128  | 20182    | 24.223 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.750  | 143  | 24467    | 25.092 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.302 | 165  | 49705    | 26.147 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.802 | 131  | 53556    | 21.534 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 163617   | 25.847 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.204 | 160  | 181204   | 27.534 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.744 | 143  | 19183m   | 24.512 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.502 | 176  | 153260   | 28.043 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.643 | 200  | 21783    | 18.497 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.359 | 188  | 272523   | 31.747 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.650 | 212  | 334455   | 31.814 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.392 | 264  | 355669   | 32.576 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.300 | 178  | 23592    | 2.496  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.315 | 202  | 73169    | 5.802  | ng/ul  | 99       |
| 82) Pyrene                    | 19.679 | 202  | 62879    | 4.803  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.495 | 228  | 26156    | 1.851  | ng/ul  | 92       |
| 87) Chrysene                  | 21.554 | 228  | 42188    | 3.243  | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.622 | 252  | 59119    | 4.372  | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.686 | 252  | 20822m   | 1.517  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.456 | 252  | 30274    | 2.358  | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.099 | 276  | 32619m   | 2.101  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.180 | 276  | 30686m   | 2.484  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

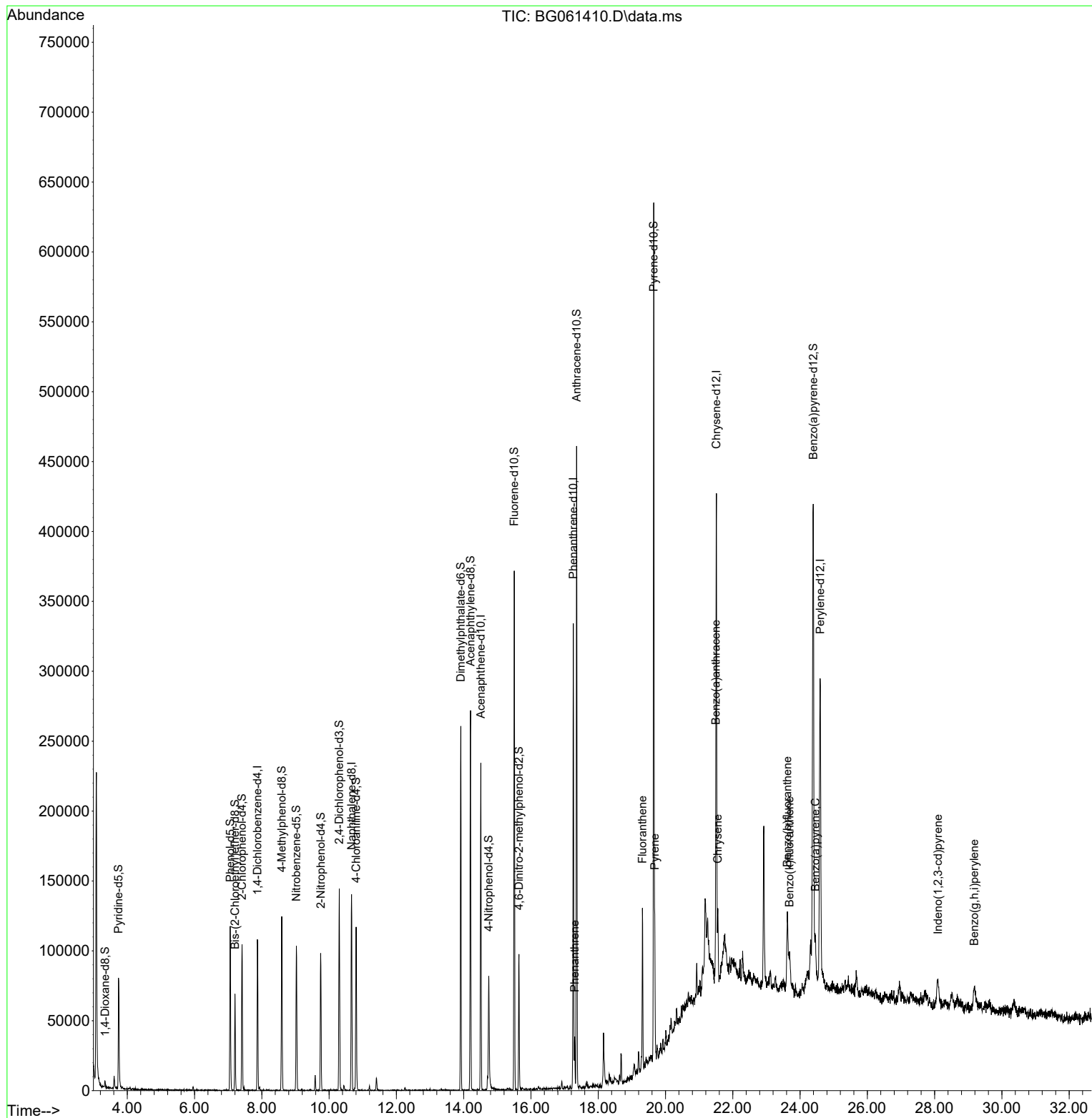
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053124\  
Data File : BG061410.D  
Acq On : 1 Jun 2024 3:06  
Operator : MA/JU  
Sample : P2588-17  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

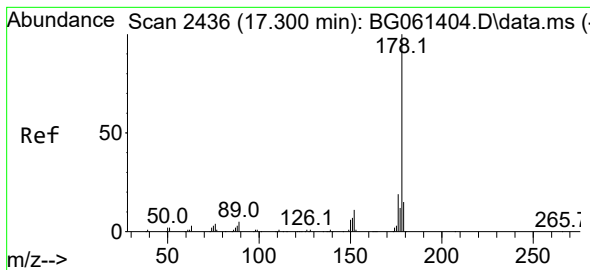
Instrument :  
BNA\_G  
ClientSampleId :  
BH6E2

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 04:07:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration





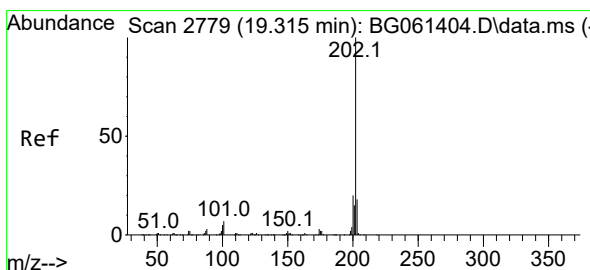
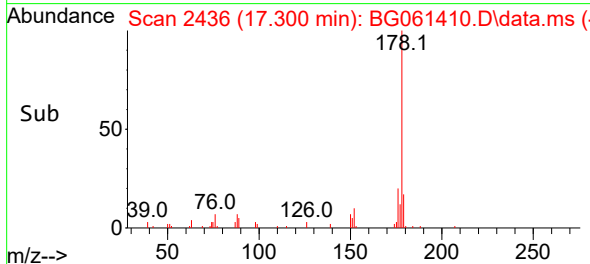
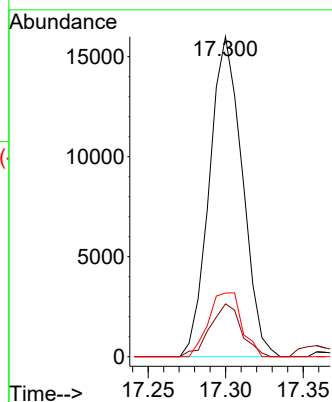
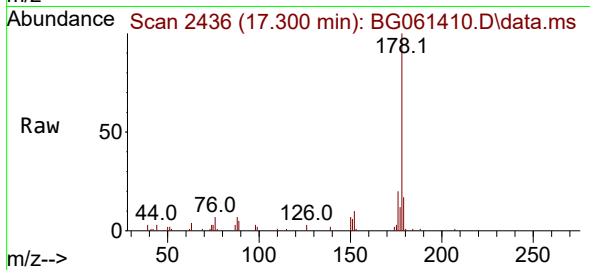
#72  
Phenanthrene  
Concen: 2.496 ng/ul  
RT: 17.300 min Scan# 2436  
Delta R.T. 0.000 min  
Lab File: BG061410.D  
Acq: 1 Jun 2024 3:06

Instrument :  
BNA\_G  
ClientSampleId :  
BH6E2

Tgt Ion:178 Resp: 23592  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.7 19.1  
176 19.9 15.5 23.3

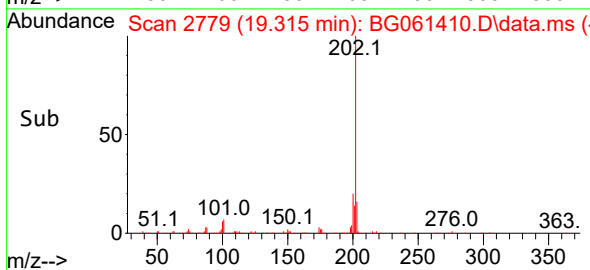
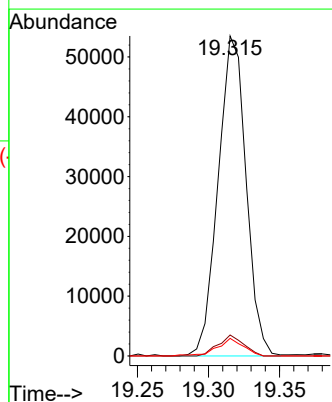
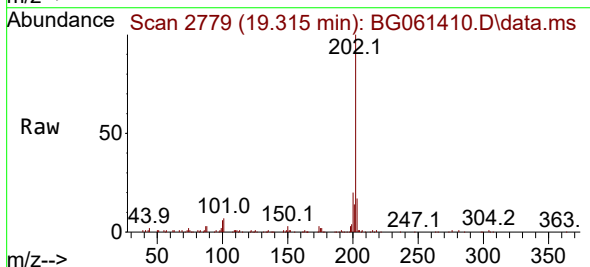
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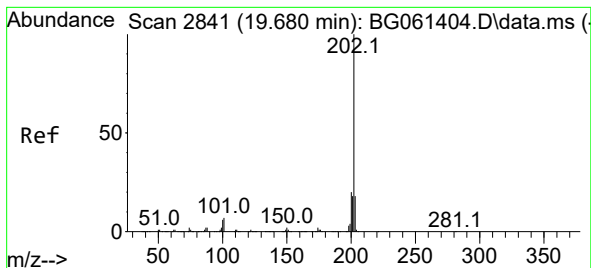
Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#80  
Fluoranthene  
Concen: 5.802 ng/ul  
RT: 19.315 min Scan# 2779  
Delta R.T. 0.000 min  
Lab File: BG061410.D  
Acq: 1 Jun 2024 3:06

Tgt Ion:202 Resp: 73169  
Ion Ratio Lower Upper  
202 100  
101 6.6 4.8 7.2  
100 5.5 4.1 6.1





#82

Pyrene

Concen: 4.803 ng/ul

RT: 19.679 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

Instrument :

BNA\_G

ClientSampleId :

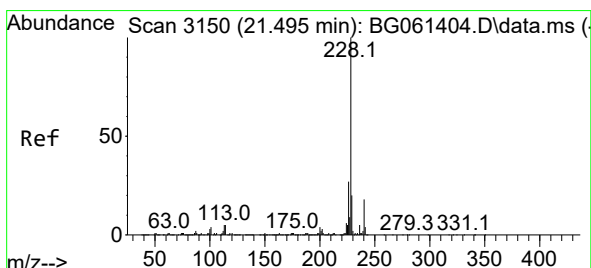
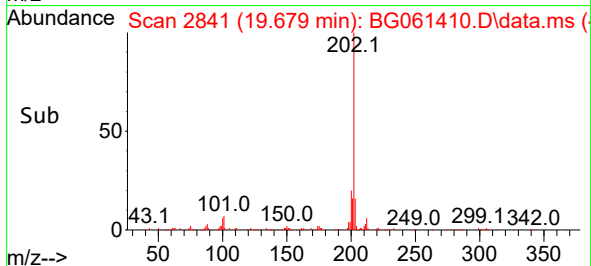
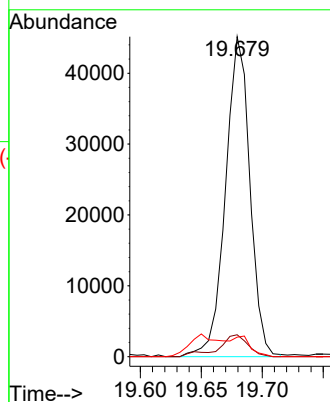
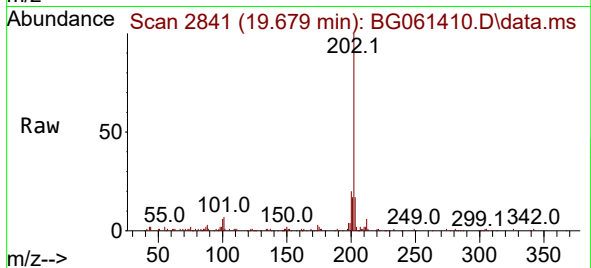
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Tgt Ion:202 Resp: 62879  
 Ion Ratio Lower Upper  
 202 100  
 101 6.8 5.7 8.5  
 100 6.1 5.1 7.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024



#85

Benzo(a)anthracene

Concen: 1.851 ng/ul

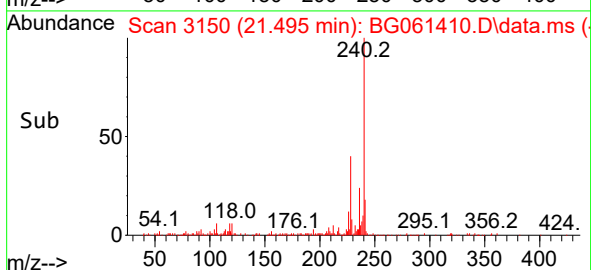
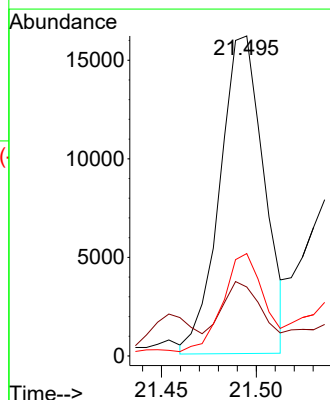
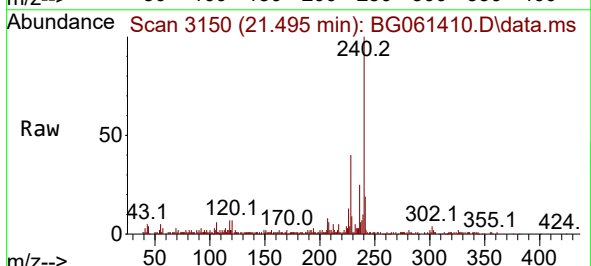
RT: 21.495 min Scan# 3150

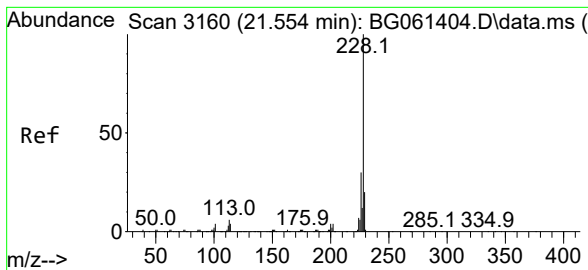
Delta R.T. 0.000 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

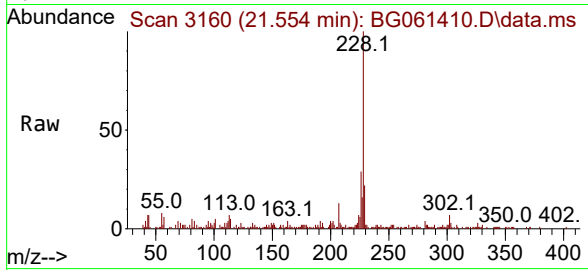
Tgt Ion:228 Resp: 26156  
 Ion Ratio Lower Upper  
 228 100  
 229 21.6 15.2 22.8  
 226 32.0 21.4 32.2





#87  
Chrysene  
Concen: 3.243 ng/ul  
RT: 21.554 min Scan# 3160  
Delta R.T. 0.000 min  
Lab File: BG061410.D  
Acq: 1 Jun 2024 3:06

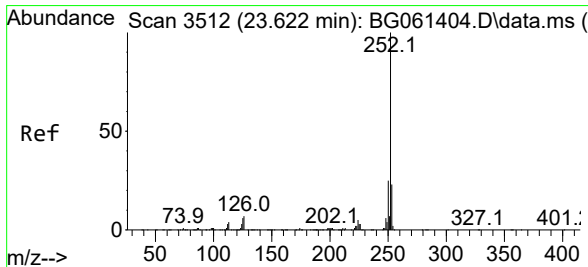
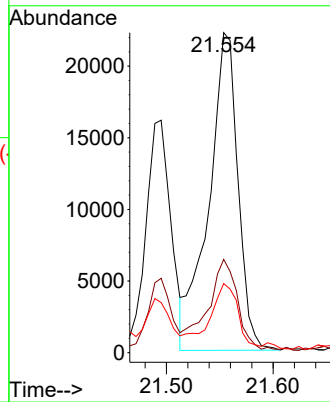
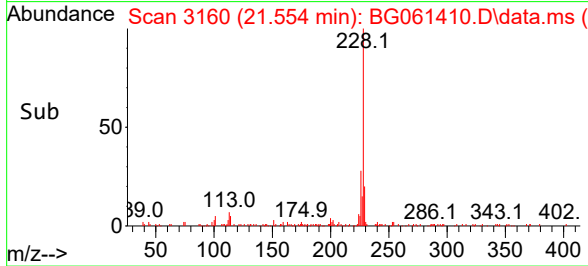
Instrument :  
BNA\_G  
ClientSampleId :  
BH6E2



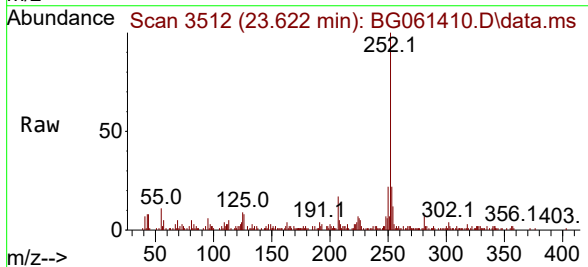
Tgt Ion:228 Resp: 42188  
Ion Ratio Lower Upper  
228 100  
226 29.2 23.4 35.0  
229 21.6 15.4 23.2

Manual Integrations  
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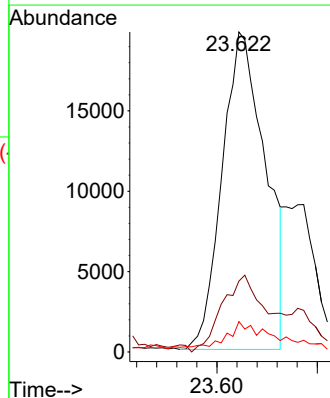
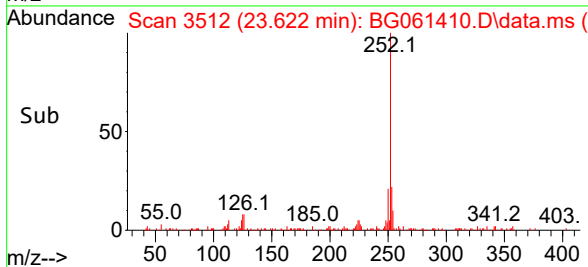
Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

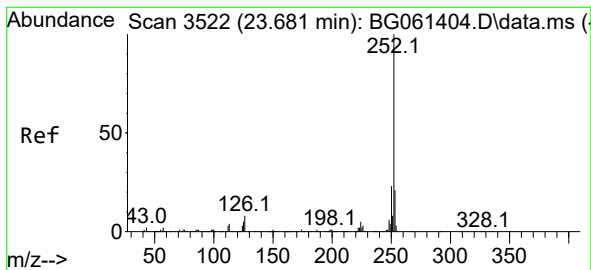


#90  
Benzo(b)fluoranthene  
Concen: 4.372 ng/ul  
RT: 23.622 min Scan# 3512  
Delta R.T. 0.006 min  
Lab File: BG061410.D  
Acq: 1 Jun 2024 3:06



Tgt Ion:252 Resp: 59119  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.8 26.8  
125 9.5 4.6 6.8#





#91

Benzo(k)fluoranthene

Concen: 1.517 ng/ul m

RT: 23.686 min Scan# 3522

Delta R.T. 0.006 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

Instrument :

BNA\_G

ClientSampleId :

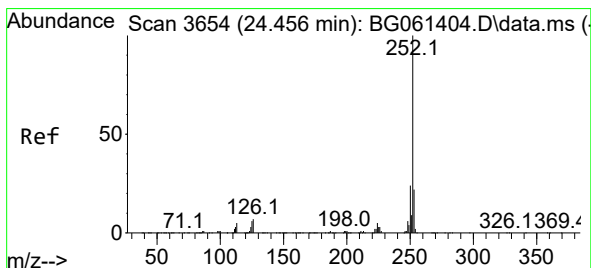
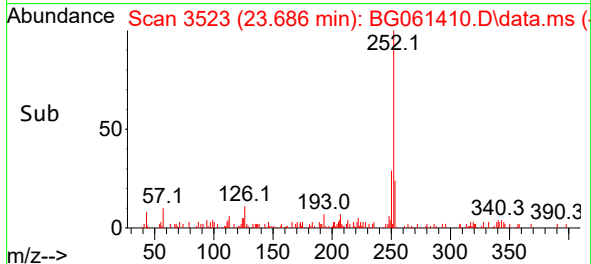
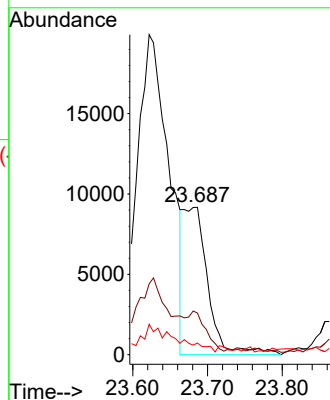
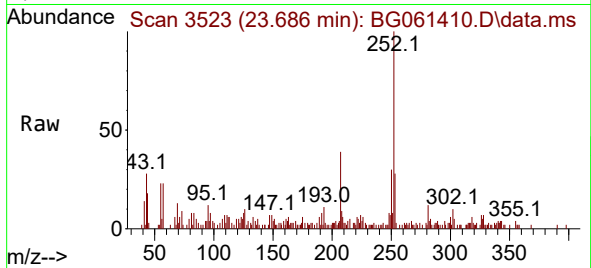
BH6E2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 2082 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 28.3  | 16.0  | 24.0 |
| 125       | 7.9   | 4.3   | 6.5  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#93

Benzo(a)pyrene

Concen: 2.358 ng/ul

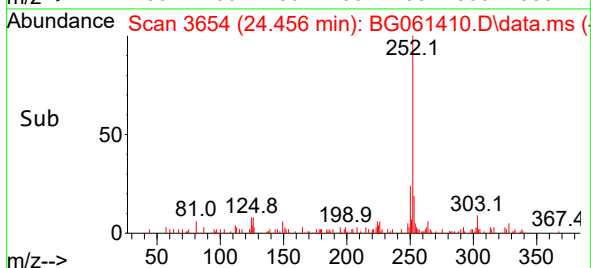
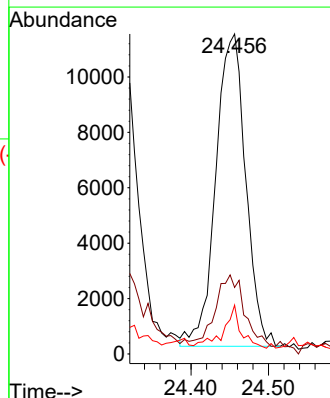
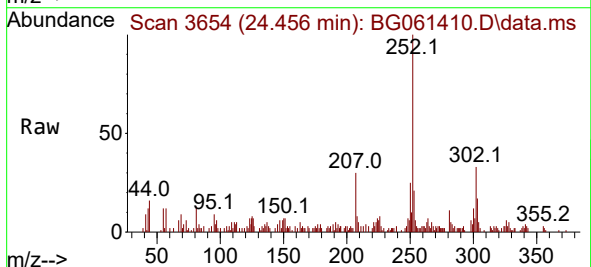
RT: 24.456 min Scan# 3654

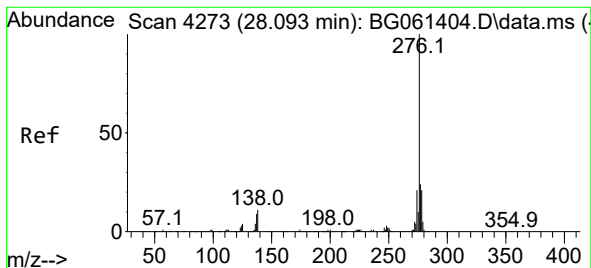
Delta R.T. 0.006 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 30274 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.8  | 16.4  | 24.6  |
| 125       | 15.2  | 4.3   | 6.5   |





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.101 ng/ul m

RT: 28.099 min Scan# 4458

Delta R.T. 0.006 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

Instrument :

BNA\_G

ClientSampleId :

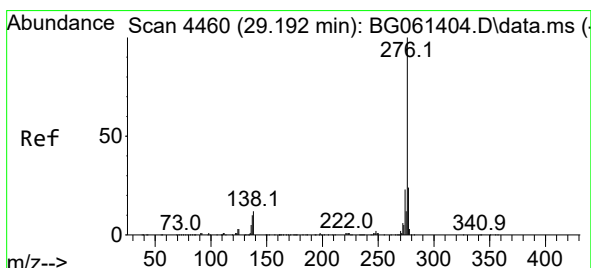
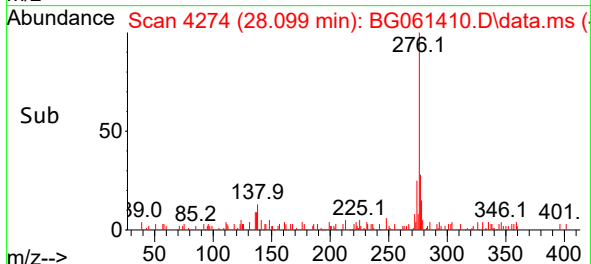
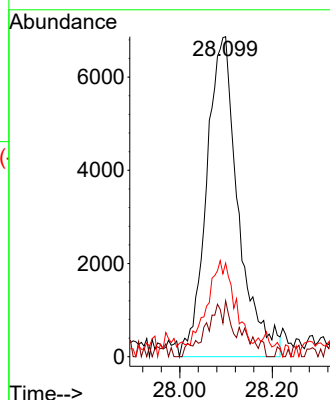
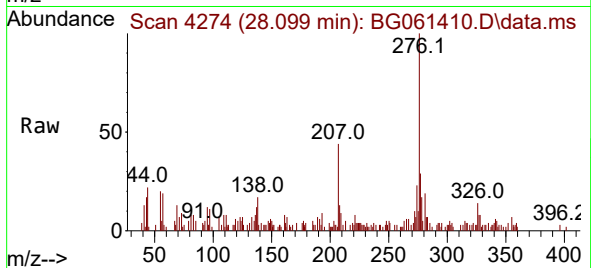
BH6E2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 32619 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.5  | 8.6   | 13.0  |
| 277       | 29.3  | 19.7  | 29.5  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#96

Benzo(g,h,i)perylene

Concen: 2.484 ng/ul m

RT: 29.180 min Scan# 4458

Delta R.T. 0.006 min

Lab File: BG061410.D

Acq: 1 Jun 2024 3:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 30686 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 9.3   | 8.7   | 13.1  |
| 277       | 26.6  | 18.2  | 27.2  |

