

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061436.D  
 Acq On : 4 Jun 2024 00:21  
 Operator : MA/JU  
 Sample : P2589-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BH5W4

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 01:03:59 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     | 7.871  | 152  | 30929    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.668 | 136  | 128155   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.511 | 164  | 97995    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.260 | 188  | 222154   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.514 | 240  | 236474   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.605 | 264  | 275573   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 2522     | 4.563  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.747  | 84   | 40200    | 20.446 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.060  | 99   | 62711    | 24.690 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.202  | 67   | 38255    | 23.963 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.413  | 132  | 51744    | 27.527 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.594  | 113  | 51757    | 23.898 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.035  | 128  | 26499    | 26.856 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.751  | 143  | 30178    | 26.133 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.304 | 165  | 63319    | 28.126 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.803 | 131  | 55774    | 18.937 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.917 | 166  | 199191   | 26.208 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.199 | 160  | 225342   | 28.519 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.757 | 143  | 18091    | 19.253 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.504 | 176  | 176576   | 26.910 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 27048    | 20.131 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.360 | 188  | 296634   | 30.287 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.652 | 212  | 350667   | 28.881 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.393 | 264  | 385306   | 29.083 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.301 | 178  | 91943    | 8.527  | ng/ul  | 99       |
| 74) Anthracene                | 17.395 | 178  | 11758    | 1.055  | ng/ul  | 95       |
| 80) Fluoranthene              | 19.317 | 202  | 238203   | 16.354 | ng/ul  | 98       |
| 82) Pyrene                    | 19.681 | 202  | 222538   | 14.719 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.497 | 228  | 128196   | 7.857  | ng/ul  | 97       |
| 87) Chrysene                  | 21.561 | 228  | 141708m  | 9.432  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.635 | 252  | 183666   | 11.194 | ng/ul# | 99       |
| 91) Benzo(k)fluoranthene      | 23.682 | 252  | 62106m   | 3.729  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.458 | 252  | 130975   | 8.407  | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.106 | 276  | 92979m   | 4.935  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.142 | 278  | 23856m   | 1.536  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.199 | 276  | 88550m   | 5.908  | ng/ul  |          |

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

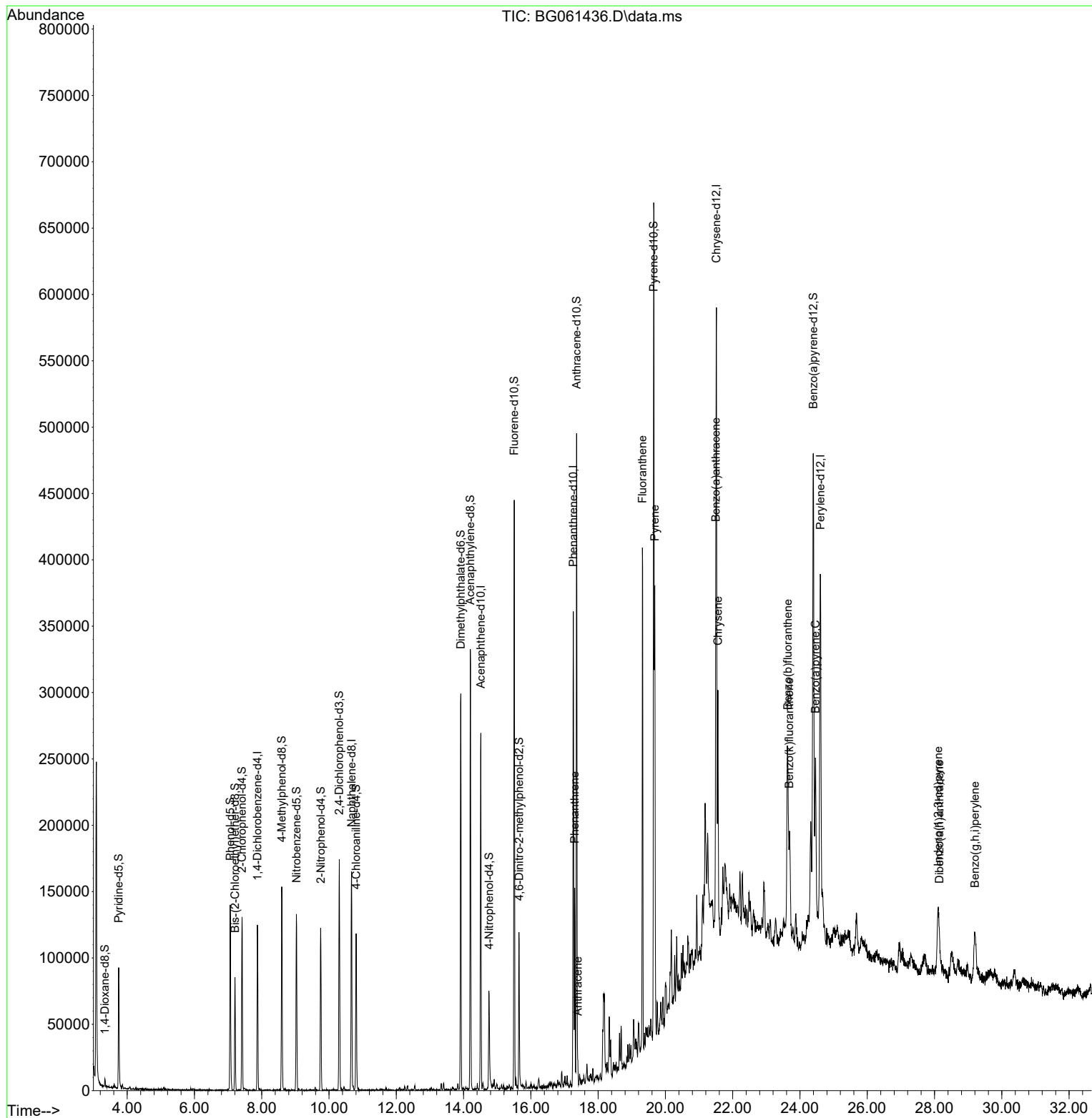
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061436.D  
Acq On : 4 Jun 2024 00:21  
Operator : MA/JU  
Sample : P2589-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

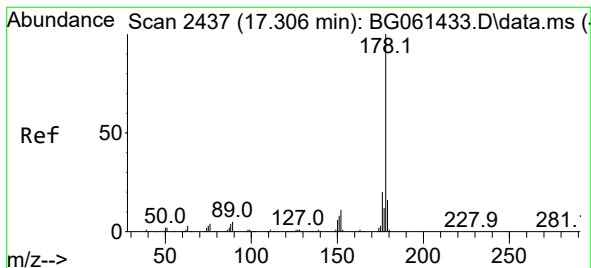
Instrument :  
BNA\_G  
ClientSampleId :  
BH5W4

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 01:03:59 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: 8.527 ng/ul

RT: 17.301 min Scan# 2437

Delta R.T. 0.002 min

Lab File: BG061436.D

Acq: 4 Jun 2024 00:21

Instrument :

BNA\_G

ClientSampleId :

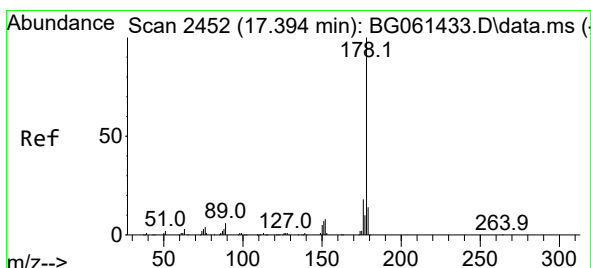
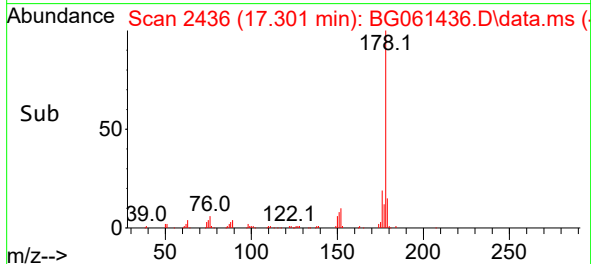
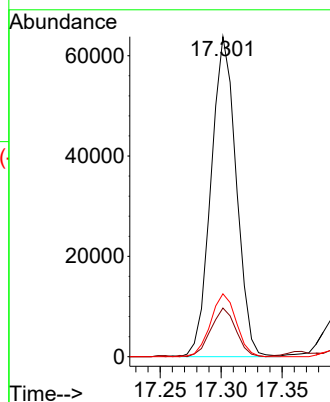
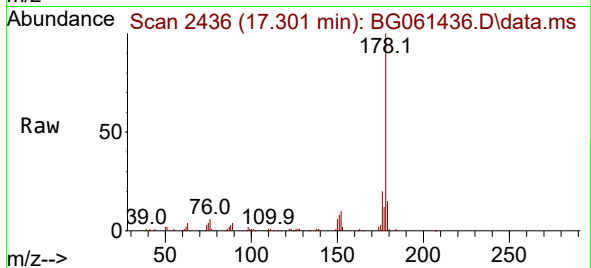
BH5W4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 9194 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 15.2  | 12.7  | 19.1 |
| 176       | 19.7  | 15.5  | 23.3 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024  
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#74

Anthracene

Concen: 1.055 ng/ul

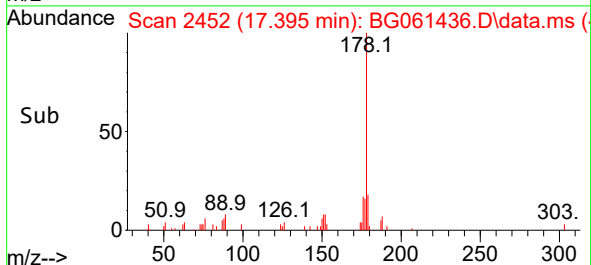
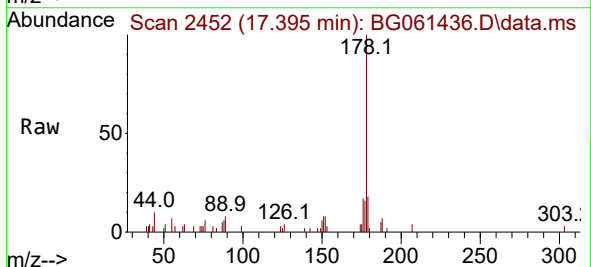
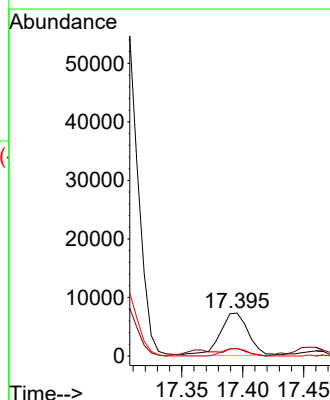
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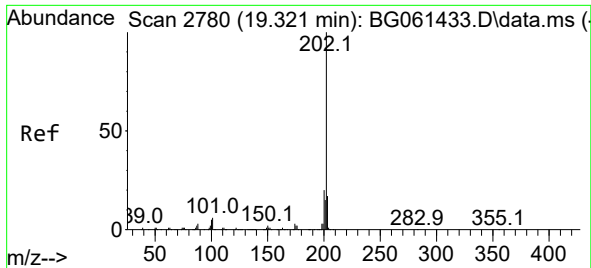
Delta R.T. 0.002 min

Lab File: BG061436.D

Acq: 4 Jun 2024 00:21

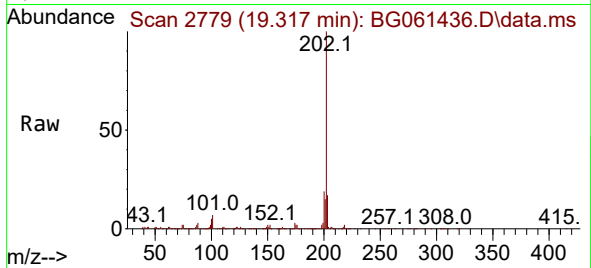
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 11758 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 17.6  | 11.8  | 17.6  |
| 176       | 16.8  | 14.9  | 22.3  |





#80  
Fluoranthene  
Concen: 16.354 ng/ul  
RT: 19.317 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

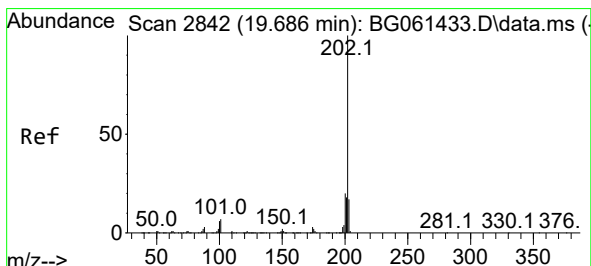
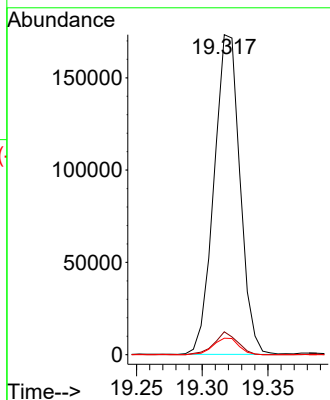
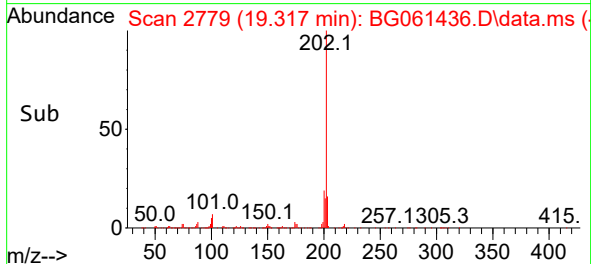
Instrument :  
BNA\_G  
ClientSampleId :  
BH5W4



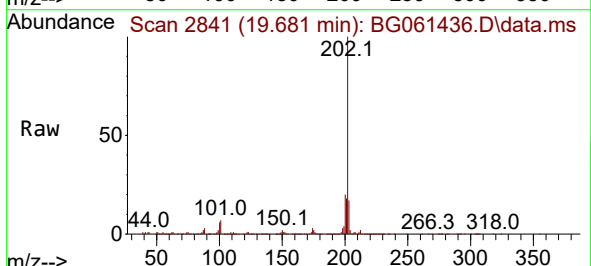
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Ion Ratio Lower Upper  
202 100  
101 7.1 4.8 7.2  
100 5.1 4.1 6.1

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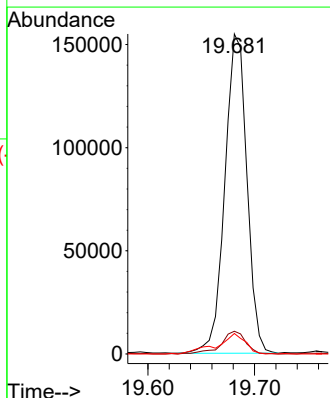
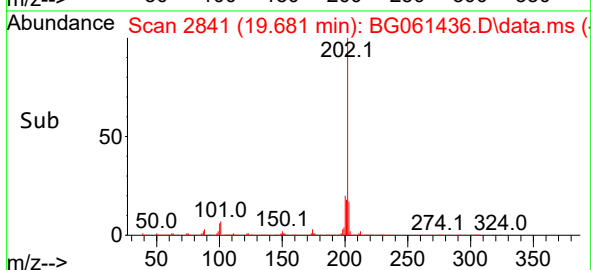
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024

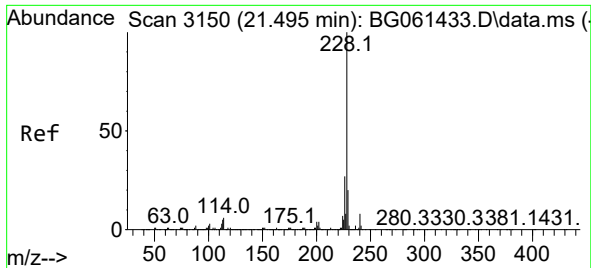


#82  
Pyrene  
Concen: 14.719 ng/ul  
RT: 19.681 min Scan# 2841  
Delta R.T. 0.002 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21



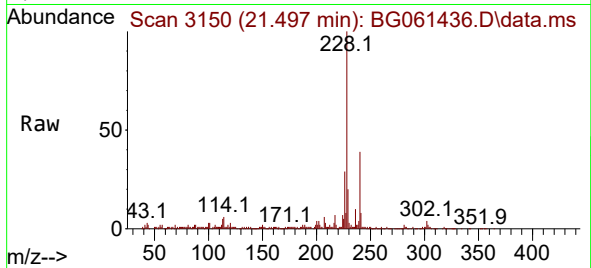
Tgt Ion:202 Resp: 222538  
Ion Ratio Lower Upper  
202 100  
101 7.1 5.7 8.5  
100 6.4 5.1 7.7





#85  
Benzo(a)anthracene  
Concen: 7.857 ng/ul  
RT: 21.497 min Scan# 3150  
Delta R.T. 0.002 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

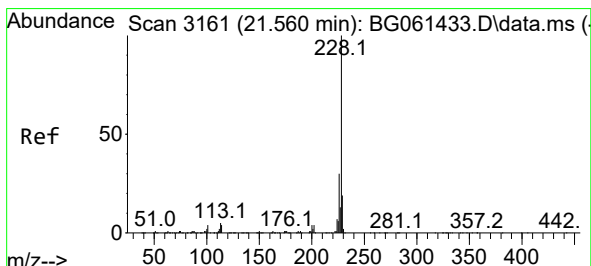
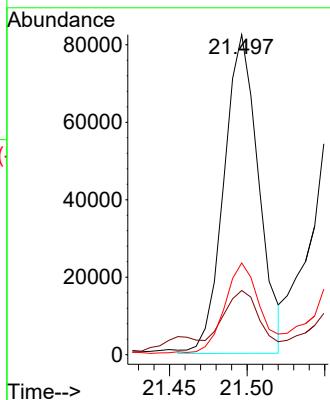
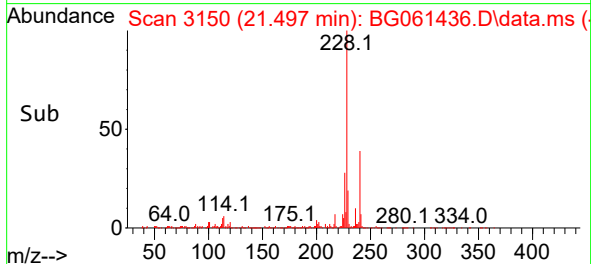
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:228 Resp: 128190  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.2 22.8  
226 28.6 21.4 32.2

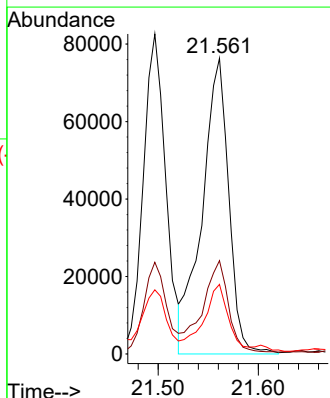
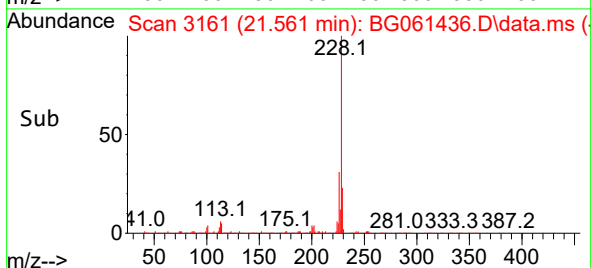
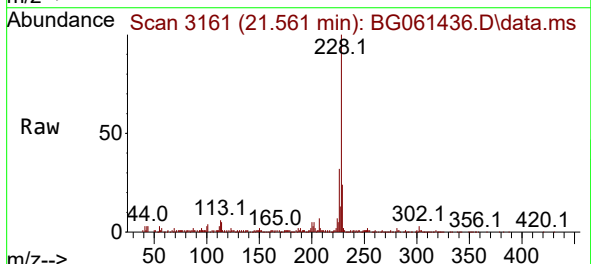
Manual Integrations  
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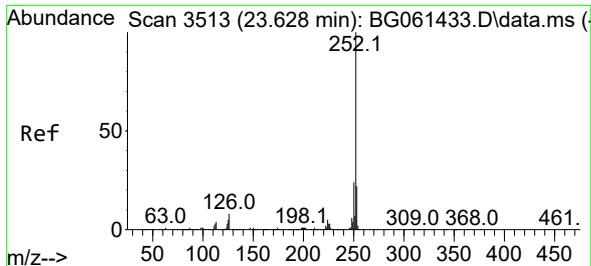
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



#87  
Chrysene  
Concen: 9.432 ng/ul m  
RT: 21.561 min Scan# 3161  
Delta R.T. 0.008 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

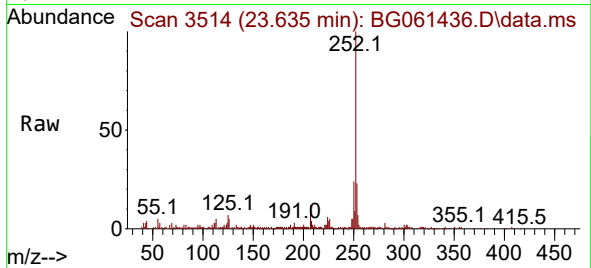
Tgt Ion:228 Resp: 141708  
Ion Ratio Lower Upper  
228 100  
226 31.5 23.4 35.0  
229 23.5 15.4 23.2#





#90  
Benzo(b)fluoranthene  
Concen: 11.194 ng/ul  
RT: 23.635 min Scan# 3513  
Delta R.T. 0.020 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

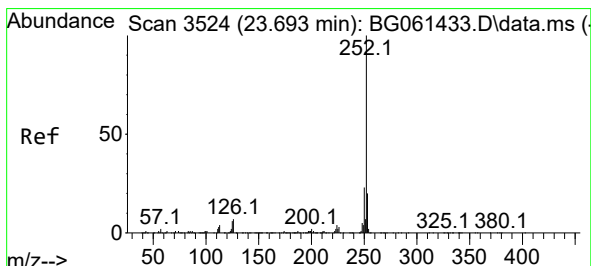
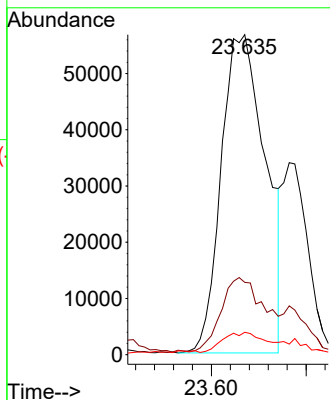
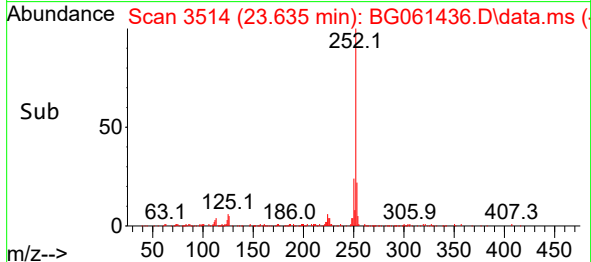
Instrument :  
BNA\_G  
ClientSampleId :  
BH5W4



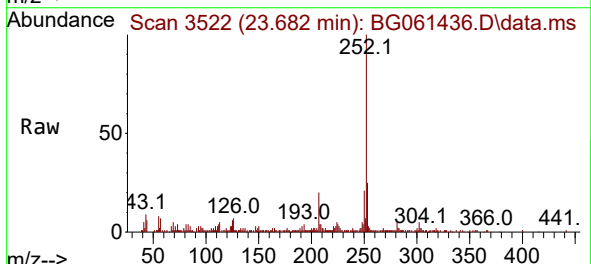
Tgt Ion:252 Resp: 18366  
Ion Ratio Lower Upper  
252 100  
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125 7.0 4.6 6.8

Manual Integrations  
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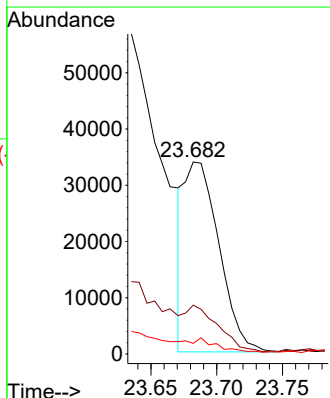
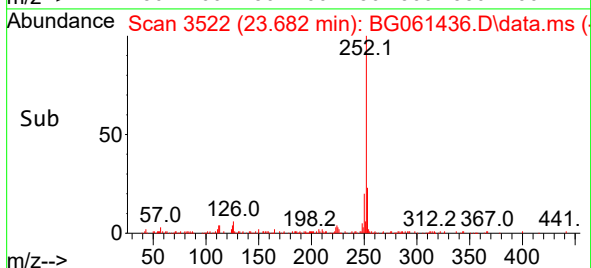
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024

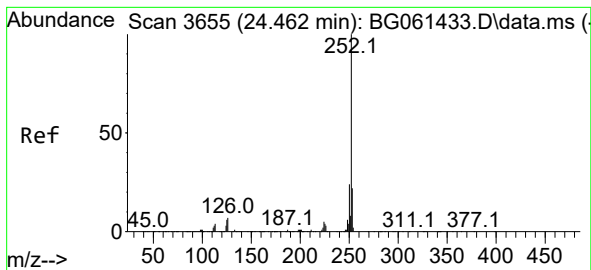


#91  
Benzo(k)fluoranthene  
Concen: 3.729 ng/ul m  
RT: 23.682 min Scan# 3522  
Delta R.T. 0.002 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21



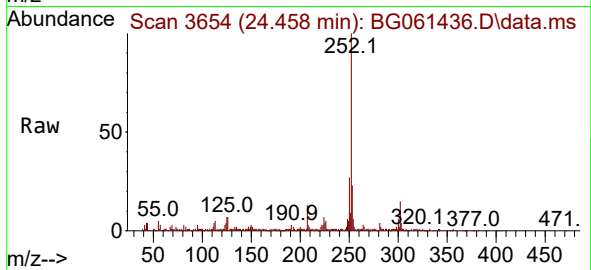
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Ion Ratio Lower Upper  
252 100  
253 25.4 16.0 24.0#  
125 5.5 4.3 6.5





#93  
Benzo(a)pyrene  
Concen: 8.407 ng/ul  
RT: 24.458 min Scan# 3654  
Delta R.T. 0.008 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

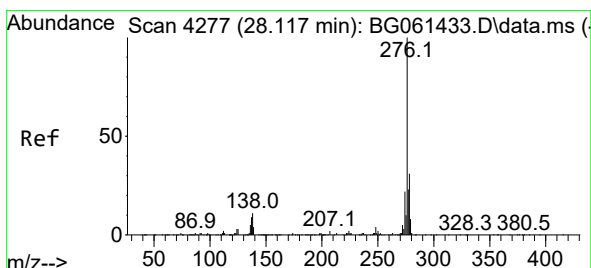
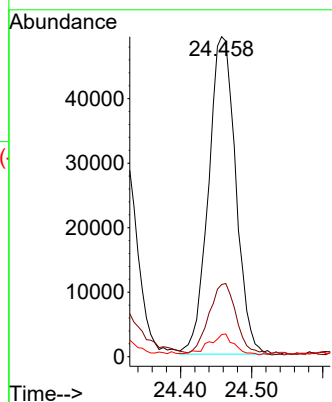
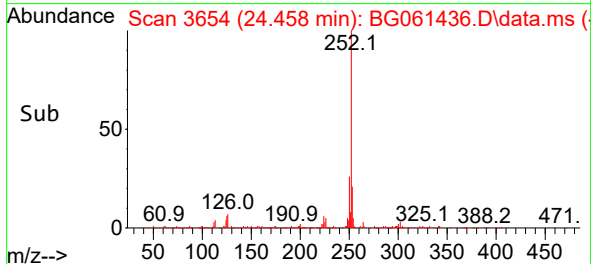
Instrument :  
BNA\_G  
ClientSampleId :  
BH5W4



Tgt Ion:252 Resp: 130979  
Ion Ratio Lower Upper  
252 100  
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125 6.9 4.3 6.5

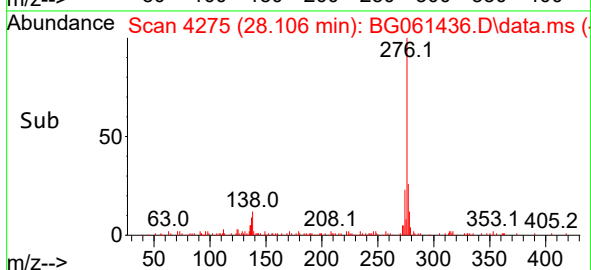
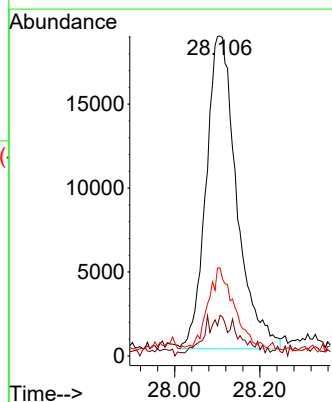
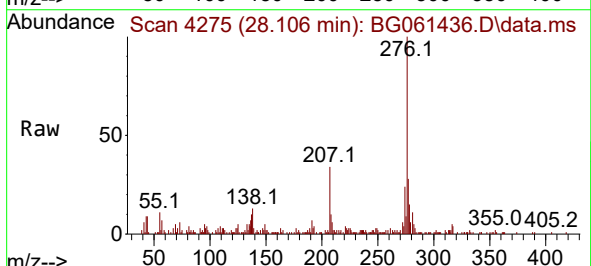
Manual Integrations  
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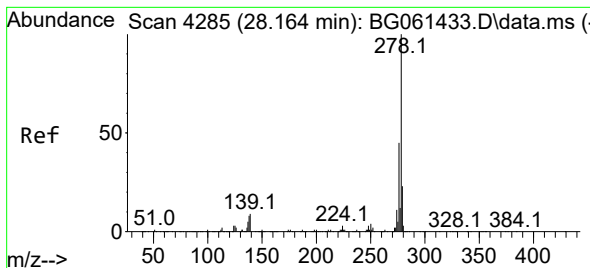
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 4.935 ng/ul m  
RT: 28.106 min Scan# 4275  
Delta R.T. 0.014 min  
Lab File: BG061436.D  
Acq: 4 Jun 2024 00:21

Tgt Ion:276 Resp: 92979  
Ion Ratio Lower Upper  
276 100  
138 12.7 8.6 13.0  
277 27.5 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.536 ng/ul m

RT: 28.142 min Scan# 4

Delta R.T. 0.002 min

Lab File: BG061436.D

Acq: 4 Jun 2024 00:21

Instrument :

BNA\_G

ClientSampleId :

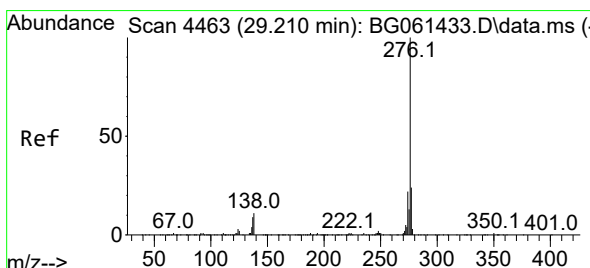
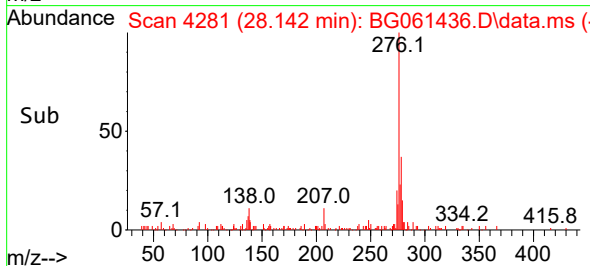
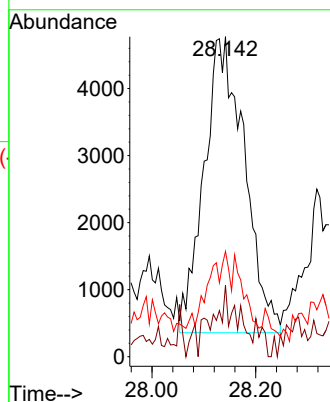
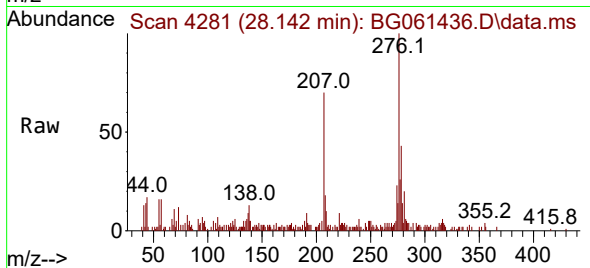
BH5W4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 2385 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 11.3  | 6.4   | 9.6  |
| 279       | 32.9  | 19.9  | 29.9 |

Manual Integrations

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Supervised By :mohammad ahmed 06/05/2024



#96

Benzo(g,h,i)perylene

Concen: 5.908 ng/ul m

RT: 29.199 min Scan# 4461

Delta R.T. 0.026 min

Lab File: BG061436.D

Acq: 4 Jun 2024 00:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 88550 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 12.7  | 8.7   | 13.1  |
| 277       | 25.1  | 18.2  | 27.2  |

