

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070324\  
 Data File : BG061869.D  
 Acq On : 3 Jul 2024 18:22  
 Operator : MA/JU  
 Sample : P2964-14  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4CT3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 03 23:24:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 02:38:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.096  | 152  | 38144    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.910 | 136  | 194810   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.717 | 164  | 142580   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.461 | 188  | 331716   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.721 | 240  | 281886   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.958 | 264  | 339789   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.489  | 96   | 3679     | 3.624  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.912  | 84   | 7808m    | 2.502  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.250  | 99   | 92728    | 22.214 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.420  | 67   | 57027    | 21.573 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.626  | 132  | 67637    | 23.621 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.795  | 113  | 71396    | 21.723 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.259  | 128  | 35371    | 23.874 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.987  | 143  | 41481    | 24.517 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 77496    | 23.746 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.039 | 131  | 58846    | 12.420 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.118 | 166  | 280000   | 23.887 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.418 | 160  | 303774   | 24.784 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.911 | 143  | 41939    | 22.404 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.704 | 176  | 249199   | 25.253 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.816 | 200  | 39202    | 22.503 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.555 | 188  | 380867   | 24.592 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.835 | 212  | 389574   | 23.496 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.735 | 264  | 292520   | 17.358 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.502 | 178  | 92473m   | 5.287  | ng/u1  |          |
| 80) Fluoranthene              | 19.506 | 202  | 160501   | 8.180  | ng/u1  | 96       |
| 82) Pyrene                    | 19.864 | 202  | 125441   | 6.189  | ng/u1  | 95       |
| 85) Benzo(a)anthracene        | 21.703 | 228  | 77303    | 3.788  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.603 | 149  | 33802    | 2.769  | ng/u1# | 97       |
| 87) Chrysene                  | 21.762 | 228  | 77864    | 4.075  | ng/u1  | 94       |
| 90) Benzo(b)fluoranthene      | 23.930 | 252  | 111444   | 5.206  | ng/u1# | 93       |
| 91) Benzo(k)fluoranthene      | 23.995 | 252  | 39026    | 1.828  | ng/u1# | 94       |
| 93) Benzo(a)pyrene            | 24.811 | 252  | 44095    | 2.175  | ng/u1# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.648 | 276  | 45429m   | 1.754  | ng/u1  |          |

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

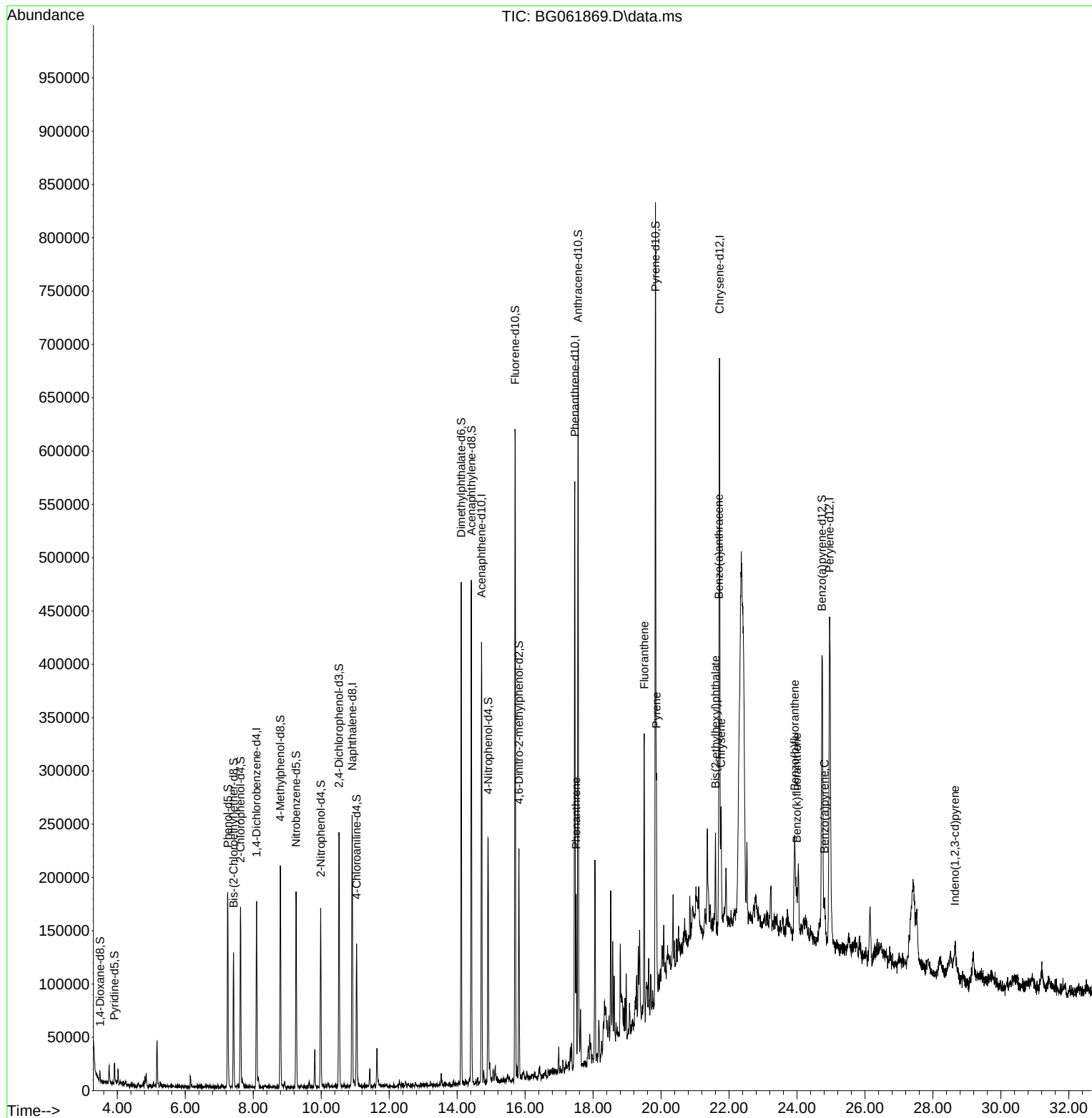
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070324\  
Data File : BG061869.D  
Acq On : 3 Jul 2024 18:22  
Operator : MA/JU  
Sample : P2964-14  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

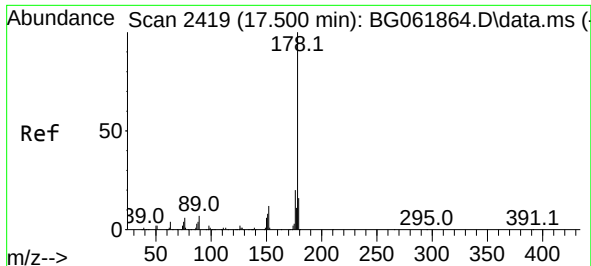
Instrument :  
BNA\_G  
ClientSampleId :  
A4CT3

Manual Integrations  
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Quant Title : SVOA CALIBRATION  
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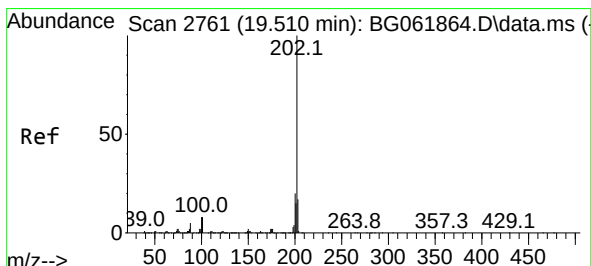
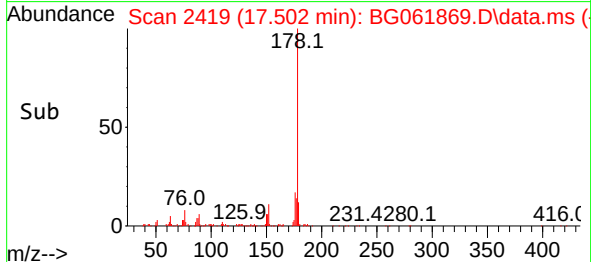
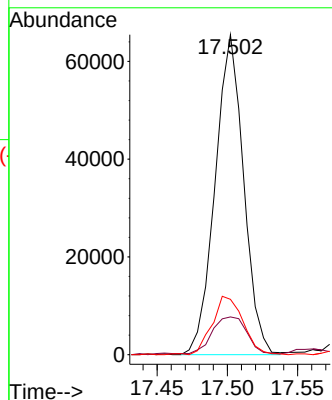
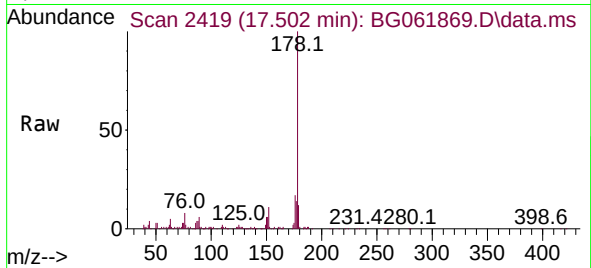
#72  
Phenanthrene  
Concen: 5.287 ng/ul m  
RT: 17.502 min Scan# 2419  
Delta R.T. -0.004 min  
Lab File: BG061869.D  
Acq: 3 Jul 2024 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
A4CT3

Tgt Ion:178 Resp: 9247  
Ion Ratio Lower Upper  
178 100  
179 11.8 11.9 17.9  
176 17.3 15.5 23.3

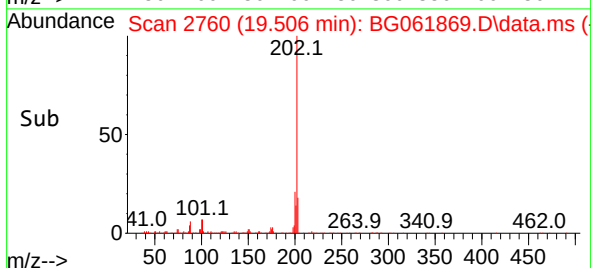
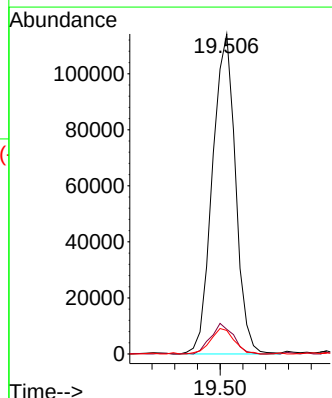
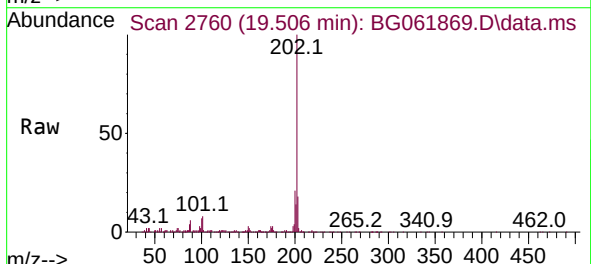
Manual Integrations  
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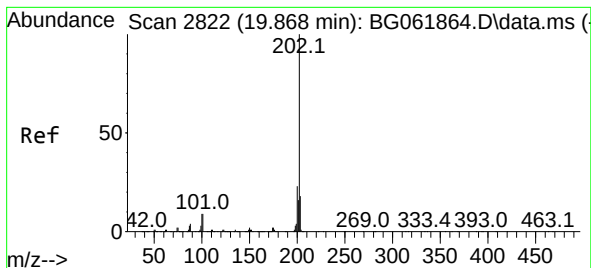
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024



#80  
Fluoranthene  
Concen: 8.180 ng/ul  
RT: 19.506 min Scan# 2760  
Delta R.T. 0.001 min  
Lab File: BG061869.D  
Acq: 3 Jul 2024 18:22

Tgt Ion:202 Resp: 160501  
Ion Ratio Lower Upper  
202 100  
101 7.7 7.4 11.2  
100 7.4 6.6 10.0





#82

Pyrene

Concen: 6.189 ng/ul

RT: 19.864 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

A4CT3

Tgt Ion:202 Resp: 12544

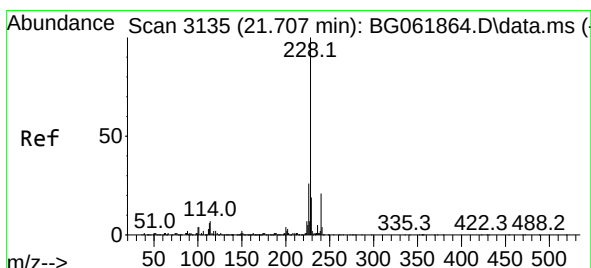
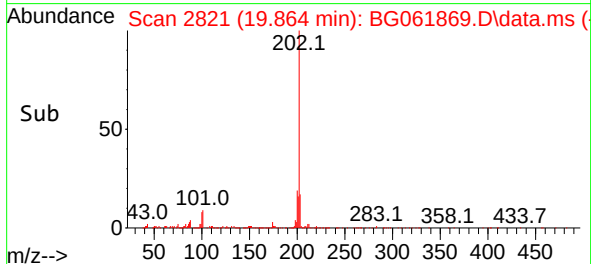
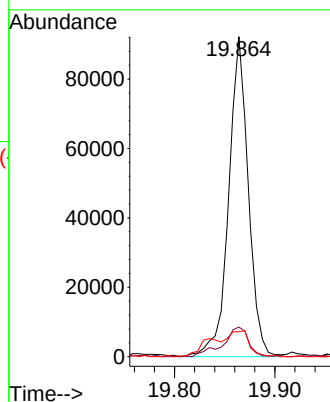
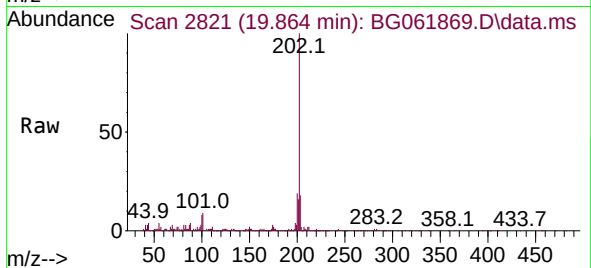
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.3   | 8.8   | 13.2  |
| 100 | 7.8   | 7.6   | 11.4  |

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2024



#85

Benzo(a)anthracene

Concen: 3.788 ng/ul

RT: 21.703 min Scan# 3134

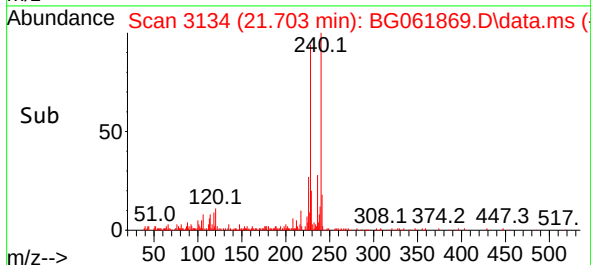
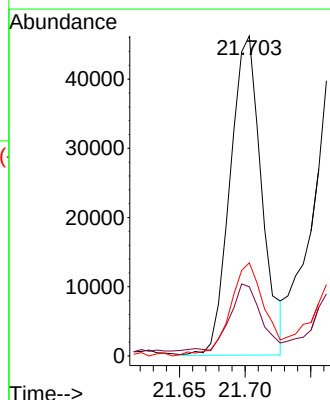
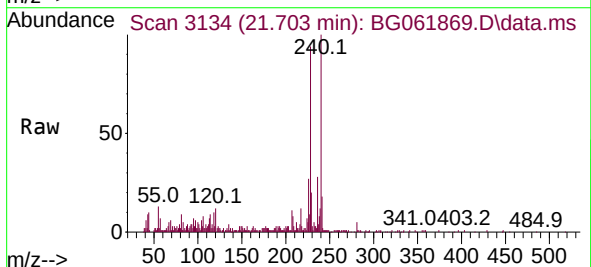
Delta R.T. 0.002 min

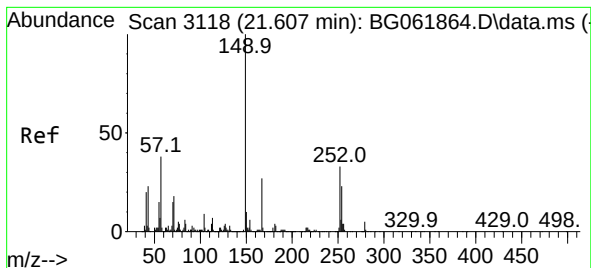
Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

Tgt Ion:228 Resp: 77303

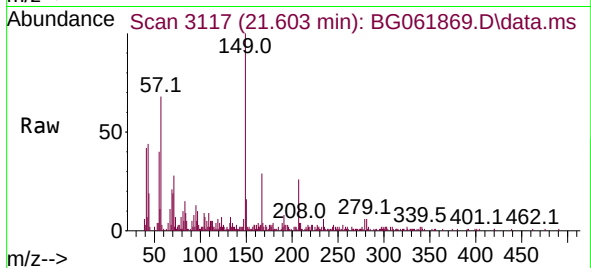
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 21.6  | 15.7  | 23.5  |
| 226 | 29.1  | 21.7  | 32.5  |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 2.769 ng/ul  
RT: 21.603 min Scan# 3118  
Delta R.T. 0.002 min  
Lab File: BG061869.D  
Acq: 3 Jul 2024 18:22

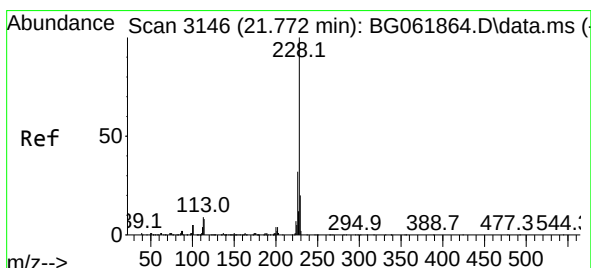
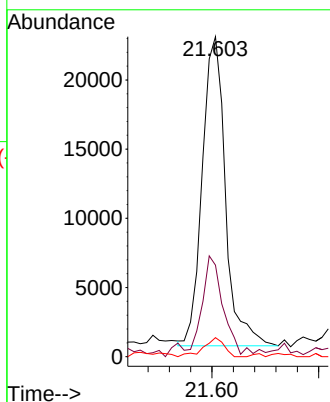
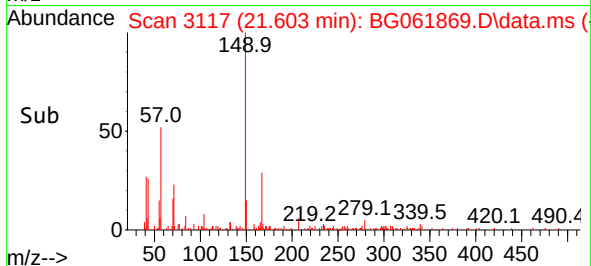
Instrument :  
BNA\_G  
ClientSampleId :  
A4CT3



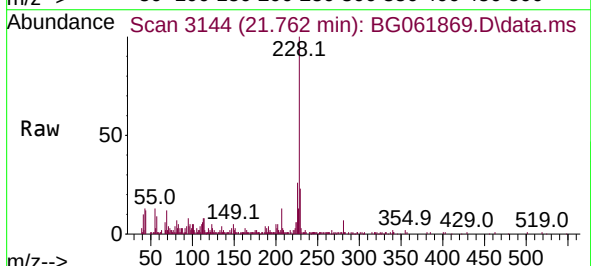
Tgt Ion:149 Resp: 3380  
Ion Ratio Lower Upper  
149 100  
167 28.6 21.7 32.5  
279 6.0 2.8 4.2

Manual Integrations  
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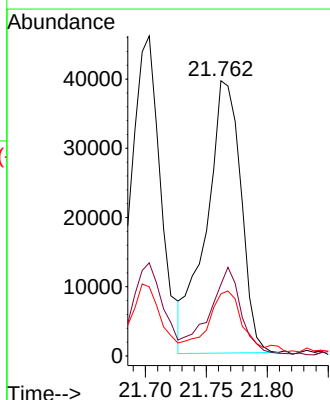
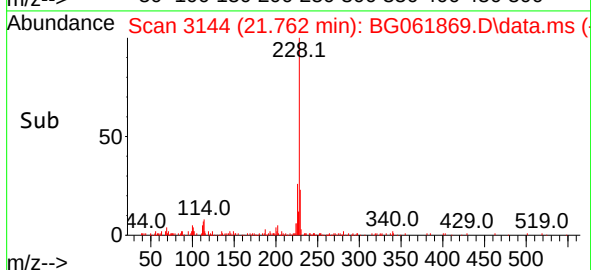
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024

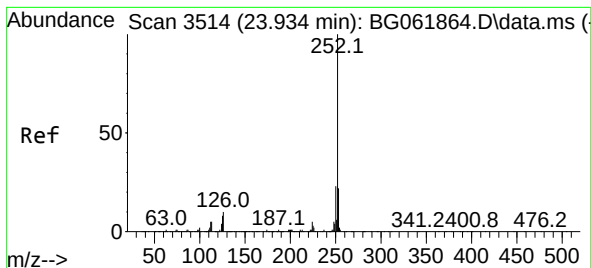


#87  
Chrysene  
Concen: 4.075 ng/ul  
RT: 21.762 min Scan# 3144  
Delta R.T. -0.010 min  
Lab File: BG061869.D  
Acq: 3 Jul 2024 18:22



Tgt Ion:228 Resp: 77864  
Ion Ratio Lower Upper  
228 100  
226 26.0 23.3 34.9  
229 22.5 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 5.206 ng/ul

RT: 23.930 min Scan# 3514

Delta R.T. -0.004 min

Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

A4CT3

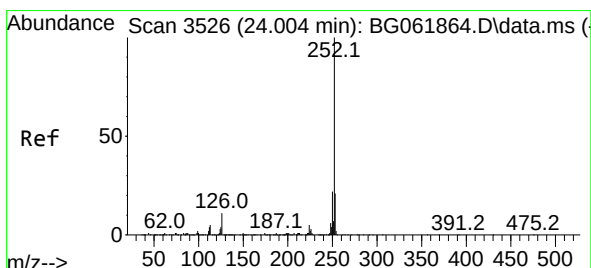
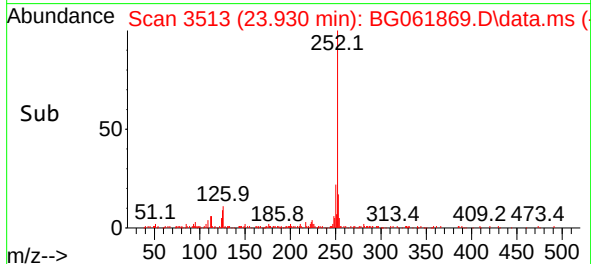
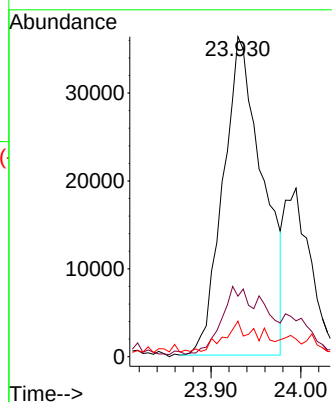
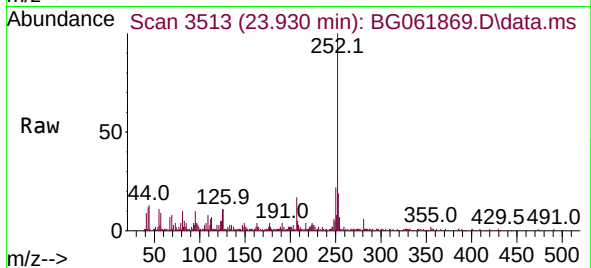
Tgt Ion:252 Resp: 111444  
 Ion Ratio Lower Upper  
 252 100  
 253 18.9 17.2 25.8  
 125 11.1 6.1 9.1

Manual Integrations

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#91

Benzo(k)fluoranthene

Concen: 1.828 ng/ul

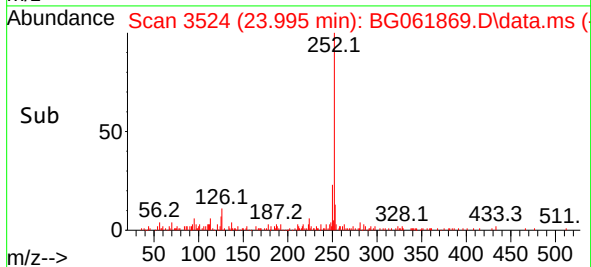
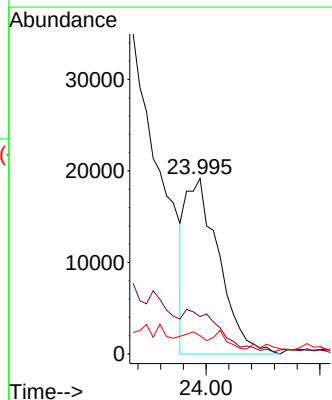
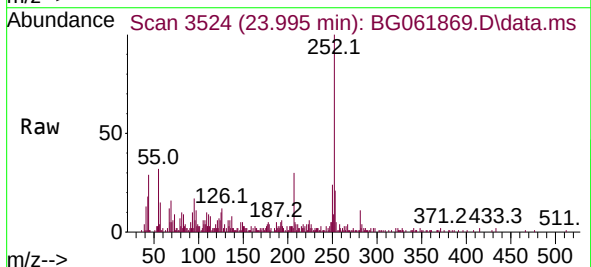
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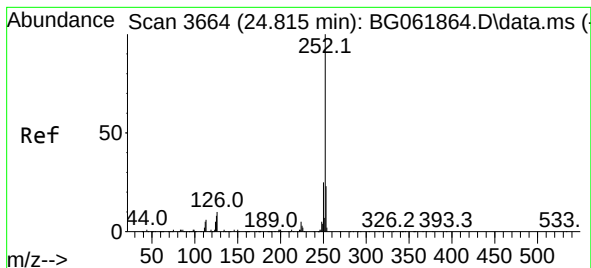
Delta R.T. -0.010 min

Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

Tgt Ion:252 Resp: 39026  
 Ion Ratio Lower Upper  
 252 100  
 253 21.3 19.3 28.9  
 125 10.4 6.3 9.5





#93

Benzo(a)pyrene

Concen: 2.175 ng/ul

RT: 24.811 min Scan# 30

Delta R.T. -0.004 min

Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

Instrument :

BNL\_G

ClientSampleId :

A4CT3

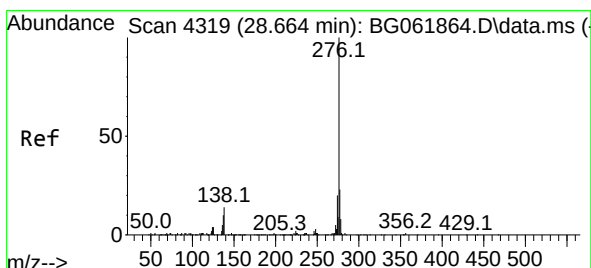
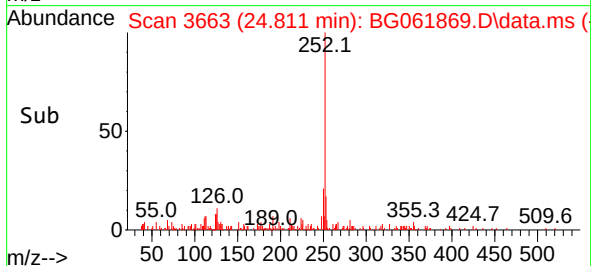
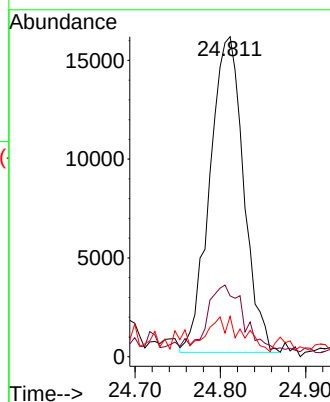
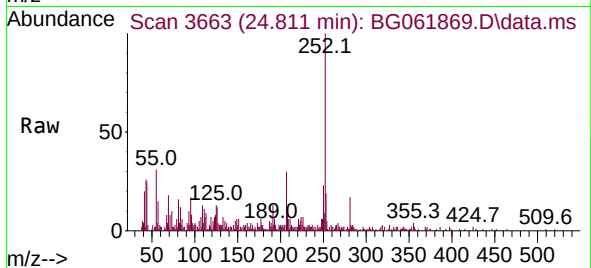
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 4409 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 19.0  | 16.5  | 24.7 |
| 125       | 12.6  | 7.4   | 11.2 |

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.754 ng/ul m

RT: 28.648 min Scan# 4316

Delta R.T. -0.016 min

Lab File: BG061869.D

Acq: 3 Jul 2024 18:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 45429 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 14.4  | 11.9  | 17.9  |
| 277       | 27.8  | 19.3  | 28.9  |

