

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060724\  
 Data File : BG061539.D  
 Acq On : 7 Jun 2024 18:57  
 Operator : MA/JU  
 Sample : P2640-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4BG7

Manual Integrations  
 APPROVED

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

Quant Time: Jun 07 22:08:26 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     | 7.873  | 152  | 25031    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 104394   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.512 | 164  | 79668    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.267 | 188  | 184918   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 195913   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.629 | 264  | 224042   | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.325  | 96   | 1686     | 3.769  | ng/uL  | -0.03    |
| 4) Pyridine-d5                | 3.736  | 84   | 14283    | 8.976  | ng/u1  | -0.03    |
| 7) Phenol-d5                  | 7.062  | 99   | 50974    | 24.798 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.203  | 67   | 29810    | 23.073 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.408  | 132  | 41784    | 27.466 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.595  | 113  | 41914    | 23.913 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.030  | 128  | 21132    | 26.291 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.753  | 143  | 25602    | 27.217 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.305 | 165  | 51996    | 28.353 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.810 | 131  | 36319    | 15.138 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.918 | 166  | 165841   | 26.840 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.206 | 160  | 177793   | 27.677 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.765 | 143  | 16321m   | 21.365 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.511 | 176  | 141203   | 26.469 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.652 | 200  | 21380    | 19.116 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.367 | 188  | 238611   | 29.269 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.659 | 212  | 269907   | 26.832 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.418 | 264  | 227178   | 21.092 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.309 | 178  | 52470    | 5.846  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.324 | 202  | 118275   | 9.801  | ng/u1  | 99       |
| 82) Pyrene                    | 19.688 | 202  | 88239    | 7.044  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.510 | 228  | 56929    | 4.211  | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.416 | 149  | 26464    | 4.155  | ng/u1  | 99       |
| 87) Chrysene                  | 21.574 | 228  | 63238    | 5.080  | ng/u1  | 93       |
| 90) Benzo(b)fluoranthene      | 23.648 | 252  | 86026    | 6.449  | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.707 | 252  | 27822m   | 2.055  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.488 | 252  | 32720    | 2.583  | ng/u1# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.143 | 276  | 28576m   | 1.866  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

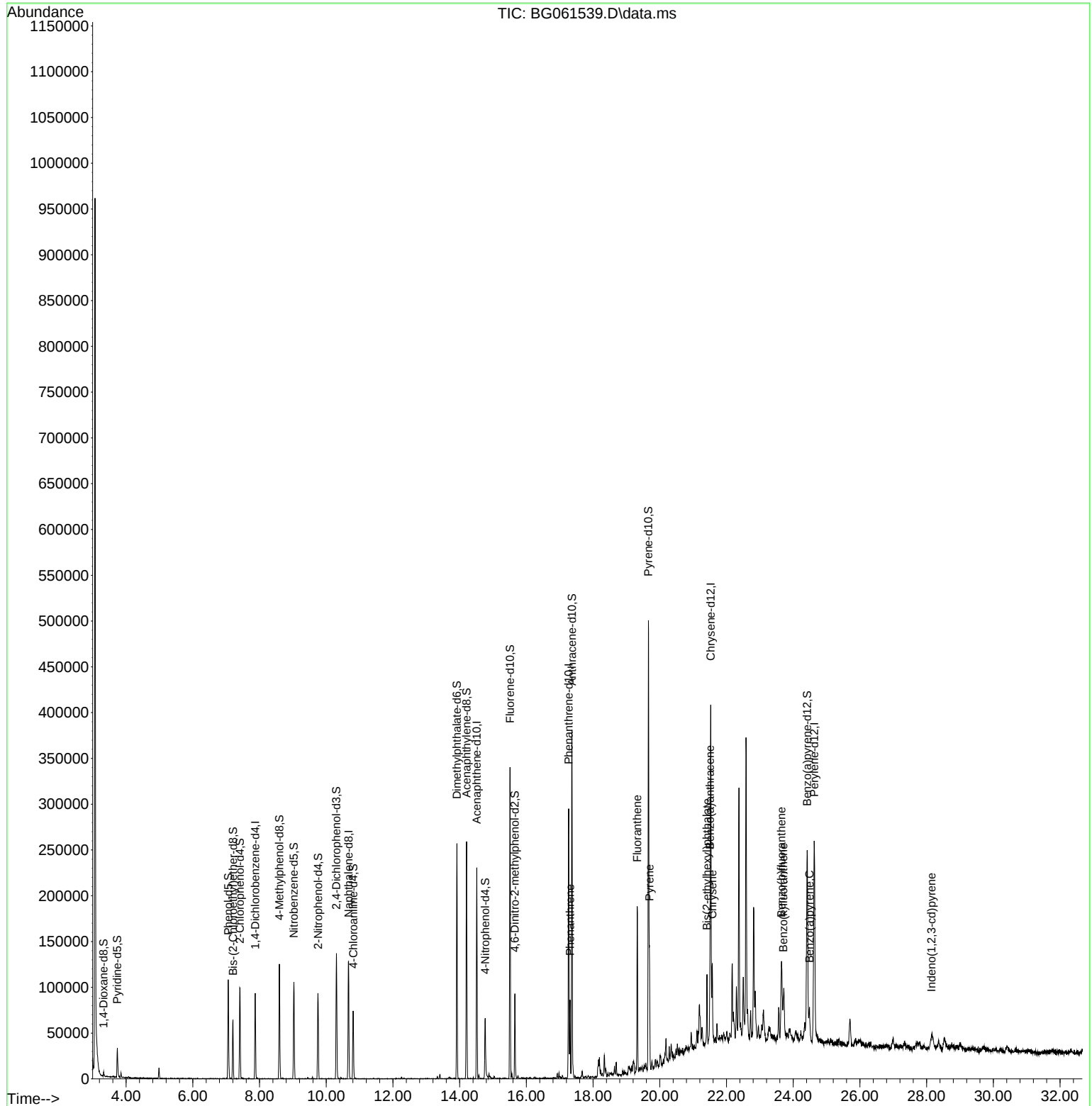
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060724\  
Data File : BG061539.D  
Acq On : 7 Jun 2024 18:57  
Operator : MA/JU  
Sample : P2640-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

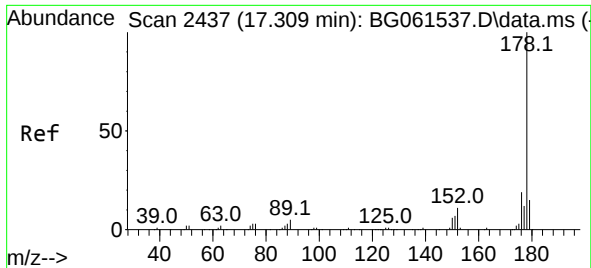
Instrument :  
BNA\_G  
ClientSampleId :  
A4BG7

Manual Integrations  
APPROVED

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

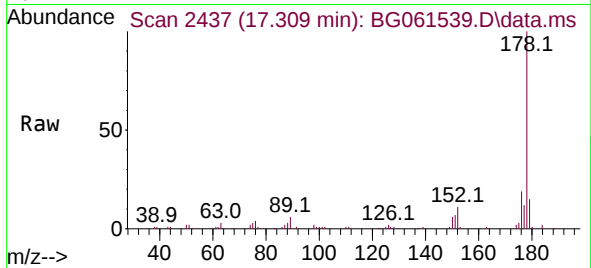
Quant Time: Jun 07 22:08:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 12:15:45 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 5.846 ng/u1  
RT: 17.309 min Scan# 2437  
Delta R.T. 0.002 min  
Lab File: BG061539.D  
Acq: 7 Jun 2024 18:57

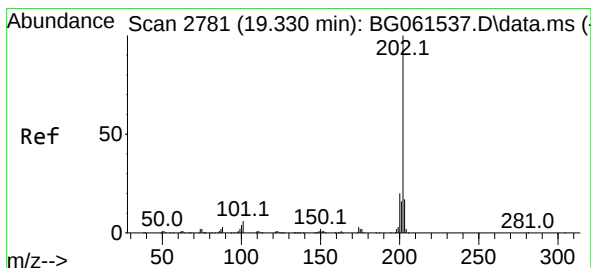
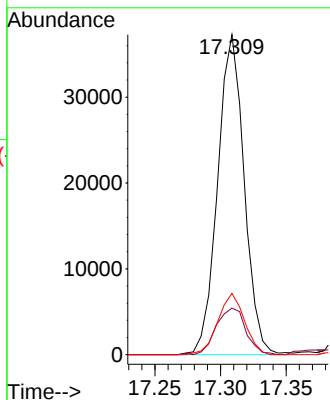
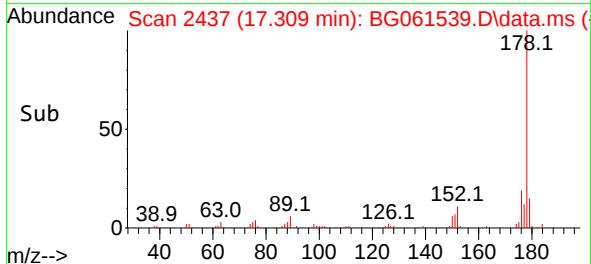
Instrument :  
BNA\_G  
ClientSampleId :  
A4BG7



Tgt Ion:178 Resp: 52470  
Ion Ratio Lower Upper  
178 100  
179 14.5 12.7 19.1  
176 19.2 15.5 23.3

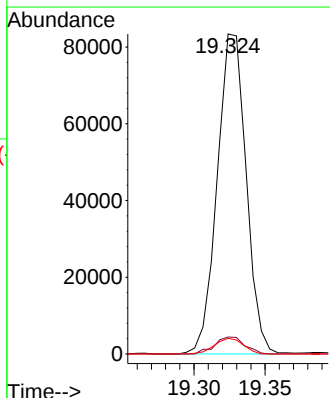
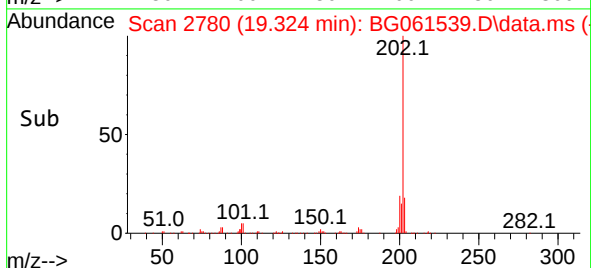
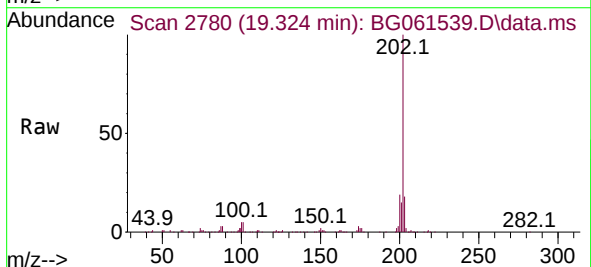
Manual Integrations  
APPROVED

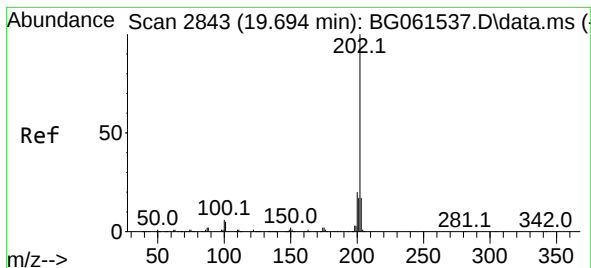
Reviewed By :Yogesh Patel 06/08/2024  
Supervised By :mohammad ahmed 06/10/2024



#80  
Fluoranthene  
Concen: 9.801 ng/u1  
RT: 19.324 min Scan# 2780  
Delta R.T. 0.002 min  
Lab File: BG061539.D  
Acq: 7 Jun 2024 18:57

Tgt Ion:202 Resp: 118275  
Ion Ratio Lower Upper  
202 100  
101 5.3 4.8 7.2  
100 4.9 4.1 6.1





#82

Pyrene

Concen: 7.044 ng/ul

RT: 19.688 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061539.D

Acq: 7 Jun 2024 18:57

Instrument :

BNA\_G

ClientSampleId :

A4BG7

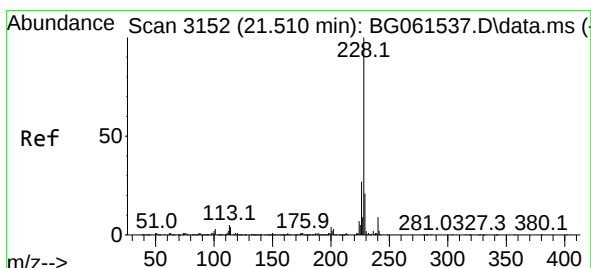
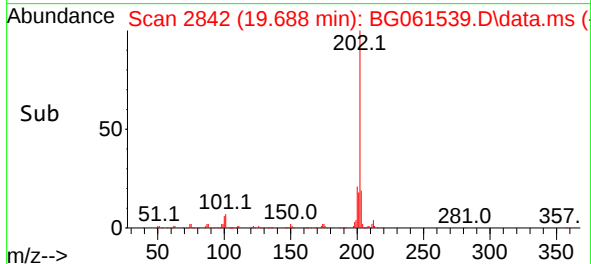
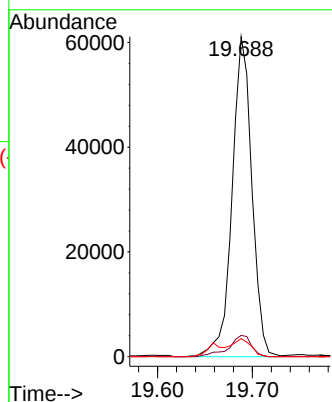
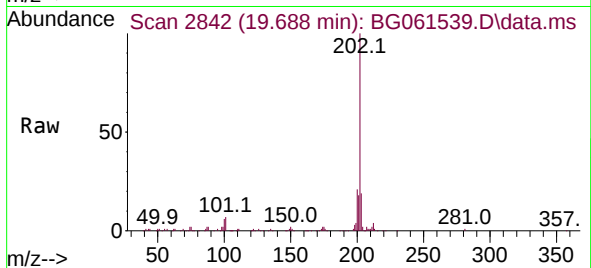
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 88239 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.6   | 5.7   | 8.5   |
| 100       | 5.6   | 5.1   | 7.7   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 4.211 ng/ul

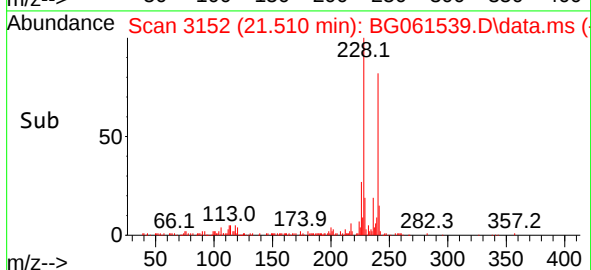
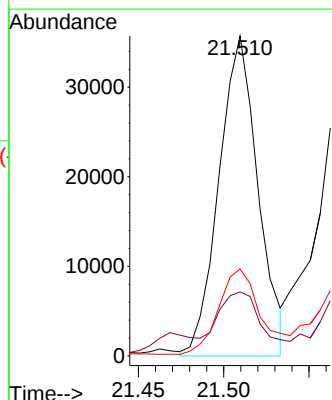
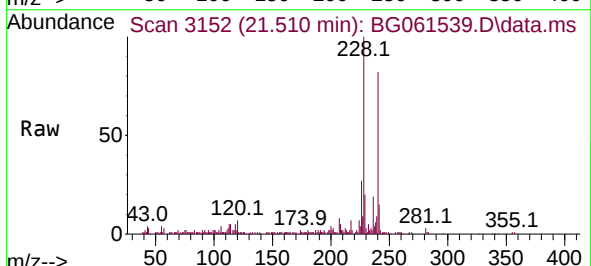
RT: 21.510 min Scan# 3152

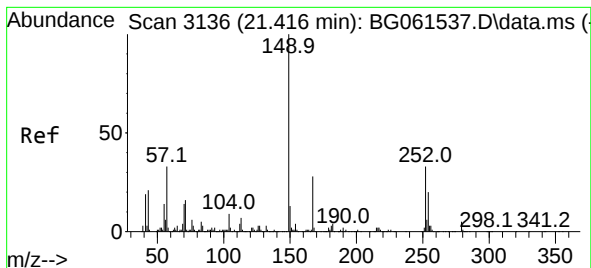
Delta R.T. 0.008 min

Lab File: BG061539.D

Acq: 7 Jun 2024 18:57

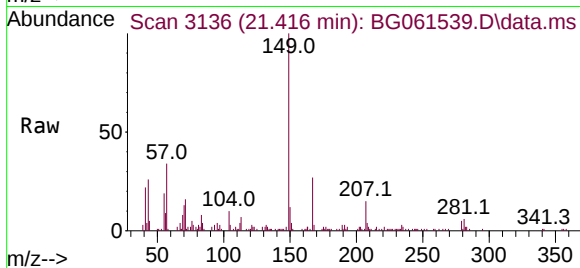
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 56929 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.0  | 15.2  | 22.8  |
| 226       | 27.2  | 21.4  | 32.2  |





#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.155 ng/ul  
 RT: 21.416 min Scan# 3136  
 Delta R.T. 0.008 min  
 Lab File: BG061539.D  
 Acq: 7 Jun 2024 18:57

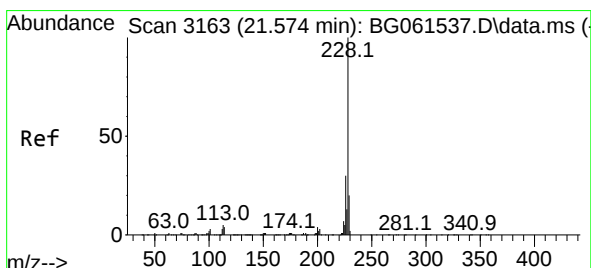
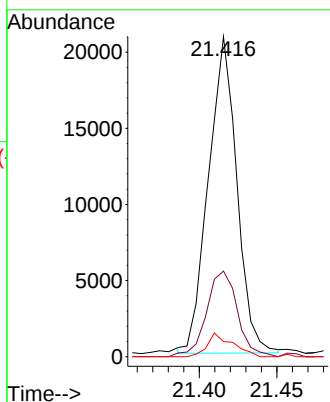
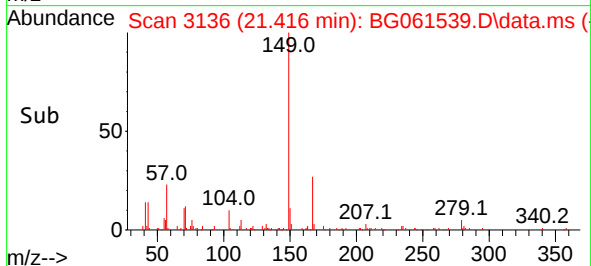
Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4BG7



Tgt Ion:149 Resp: 2646  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.1 31.7  
 279 4.7 3.3 4.9

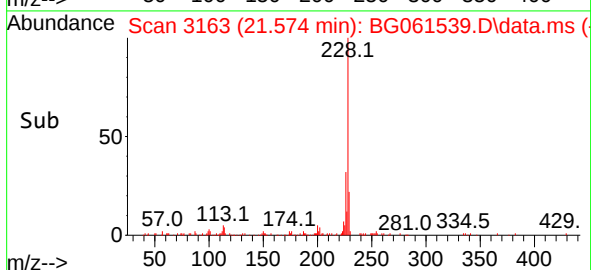
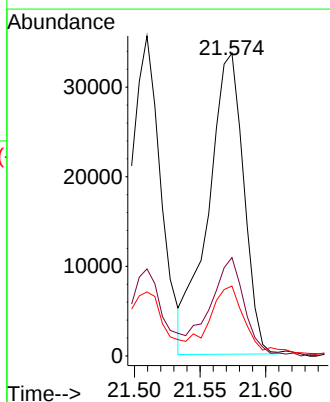
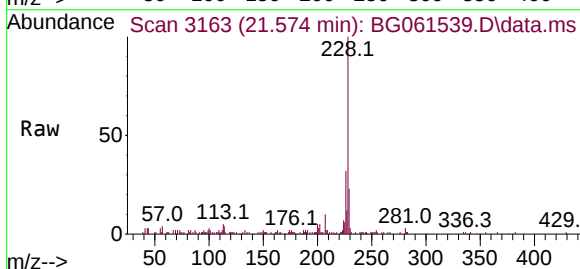
Manual Integrations  
 APPROVED

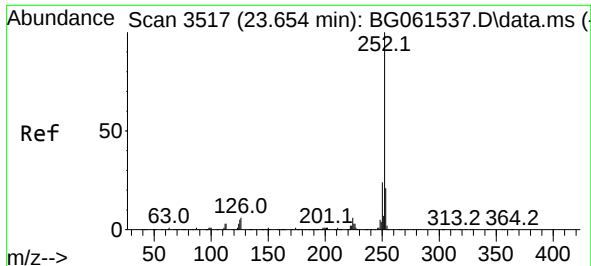
Reviewed By :Yogesh Patel 06/08/2024  
 Supervised By :mohammad ahmed 06/10/2024



#87  
 Chrysene  
 Concen: 5.080 ng/ul  
 RT: 21.574 min Scan# 3163  
 Delta R.T. 0.008 min  
 Lab File: BG061539.D  
 Acq: 7 Jun 2024 18:57

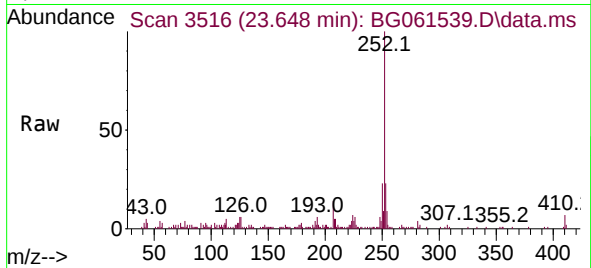
Tgt Ion:228 Resp: 63238  
 Ion Ratio Lower Upper  
 228 100  
 226 32.5 23.4 35.0  
 229 23.1 15.4 23.2





#90  
Benzo(b)fluoranthene  
Concen: 6.449 ng/ul  
RT: 23.648 min Scan# 3517  
Delta R.T. 0.014 min  
Lab File: BG061539.D  
Acq: 7 Jun 2024 18:57

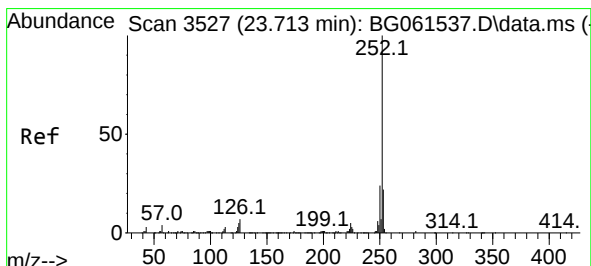
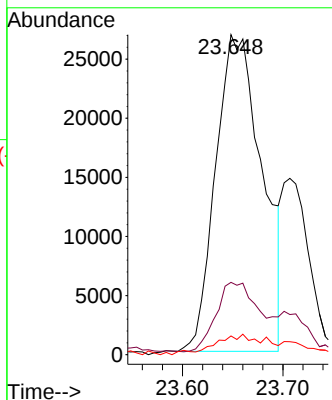
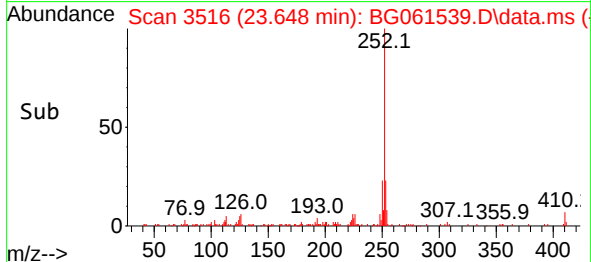
Instrument :  
BNA\_G  
ClientSampleId :  
A4BG7



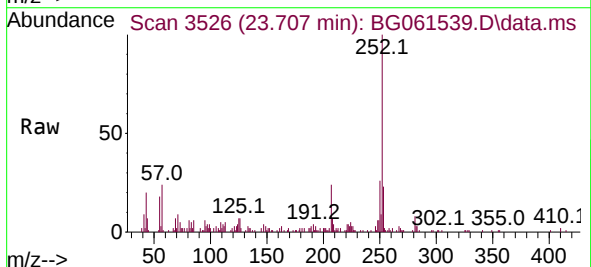
Tgt Ion:252 Resp: 86020  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 5.8 4.6 6.8

Manual Integrations  
APPROVED

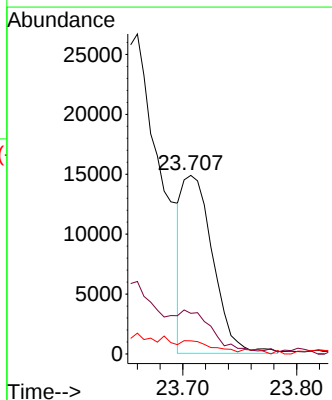
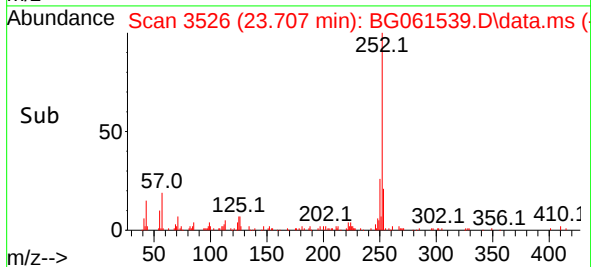
Reviewed By :Yogesh Patel 06/08/2024  
Supervised By :mohammad ahmed 06/10/2024

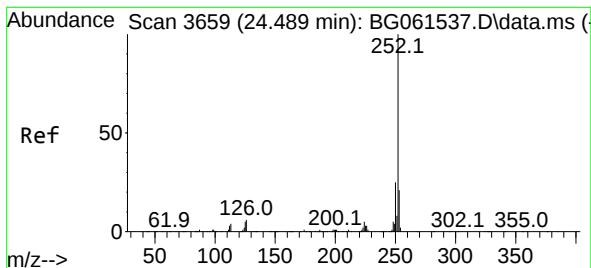


#91  
Benzo(k)fluoranthene  
Concen: 2.055 ng/ul m  
RT: 23.707 min Scan# 3526  
Delta R.T. 0.008 min  
Lab File: BG061539.D  
Acq: 7 Jun 2024 18:57



Tgt Ion:252 Resp: 27822  
Ion Ratio Lower Upper  
252 100  
253 22.8 16.0 24.0  
125 7.4 4.3 6.5





#93

Benzo(a)pyrene

Concen: 2.583 ng/ul

RT: 24.488 min Scan# 30

Delta R.T. 0.020 min

Lab File: BG061539.D

Acq: 7 Jun 2024 18:57

Instrument :

BNA\_G

ClientSampleId :

A4BG7

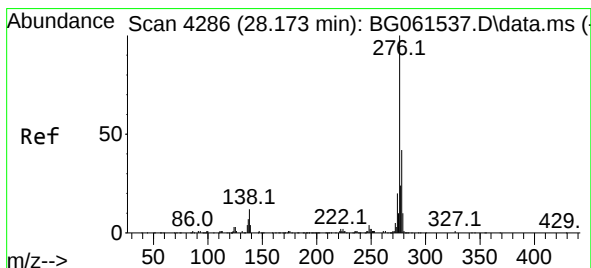
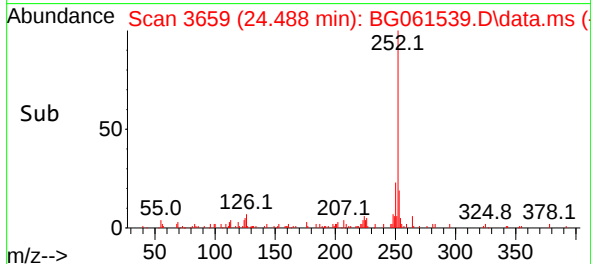
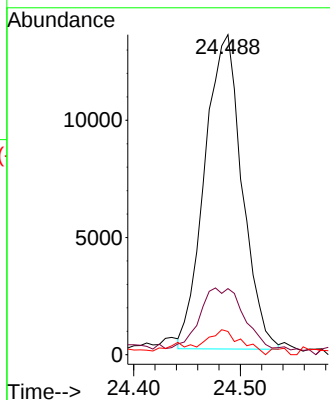
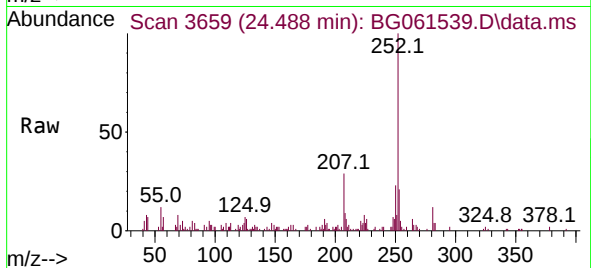
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 32720 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.7  | 16.4  | 24.6  |
| 125       | 7.3   | 4.3   | 6.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.866 ng/ul m

RT: 28.143 min Scan# 4281

Delta R.T. 0.008 min

Lab File: BG061539.D

Acq: 7 Jun 2024 18:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 28576 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 14.5  | 8.6   | 13.0  |
| 277       | 29.0  | 19.7  | 29.5  |

