

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061452.D  
 Acq On : 4 Jun 2024 12:44  
 Operator : MA/JU  
 Sample : P2590-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBL3

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024  
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 04 13:28:35 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     | 7.873  | 152  | 31319    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.670 | 136  | 133553   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.512 | 164  | 108032   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.262 | 188  | 263395   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.516 | 240  | 274182   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.612 | 264  | 311871   | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.325  | 96   | 2459     | 4.394  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.742  | 84   | 10366    | 5.207  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.062  | 99   | 52146    | 20.275 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.203  | 67   | 32100    | 19.857 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.415  | 132  | 40647    | 21.355 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.601  | 113  | 47474    | 21.647 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.036  | 128  | 25458    | 24.758 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.753  | 143  | 29203    | 24.267 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.305 | 165  | 61094    | 26.041 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.811 | 131  | 35618    | 11.604 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.919 | 166  | 212403   | 25.350 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.207 | 160  | 231874   | 26.619 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.759 | 143  | 13899m   | 13.418 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.511 | 176  | 190066   | 26.275 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.652 | 200  | 29025    | 18.220 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.362 | 188  | 300751   | 25.899 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.659 | 212  | 377454   | 26.812 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.401 | 264  | 404223   | 26.960 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.303 | 178  | 103143   | 8.068  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.324 | 202  | 277181   | 16.412 | ng/u1  | 100      |
| 82) Pyrene                    | 19.683 | 202  | 274452   | 15.656 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.498 | 228  | 147647   | 7.804  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 10914    | 1.224  | ng/u1# | 95       |
| 87) Chrysene                  | 21.563 | 228  | 169150   | 9.710  | ng/u1  | 93       |
| 90) Benzo(b)fluoranthene      | 23.631 | 252  | 227042   | 12.227 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.690 | 252  | 68749m   | 3.647  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.465 | 252  | 155429   | 8.815  | ng/u1  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.114 | 276  | 111314   | 5.220  | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.155 | 278  | 30269m   | 1.722  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 29.218 | 276  | 114264m  | 6.736  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

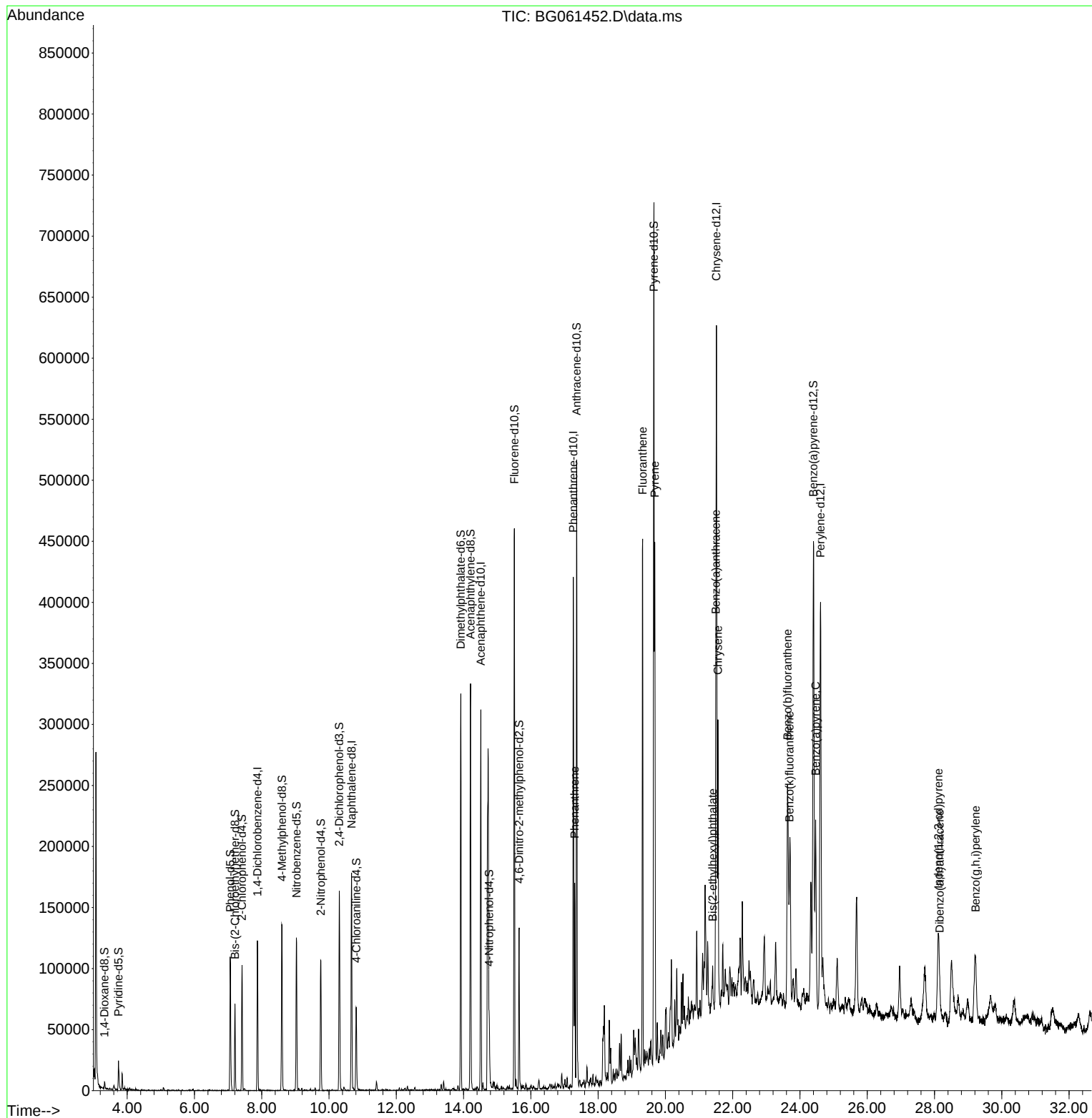
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061452.D  
Acq On : 4 Jun 2024 12:44  
Operator : MA/JU  
Sample : P2590-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

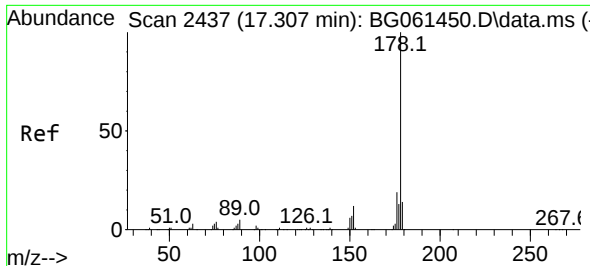
Instrument :  
BNA\_G  
ClientSampleId :  
BHBL3

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Supervised By :mohammad ahmed 06/07/2024

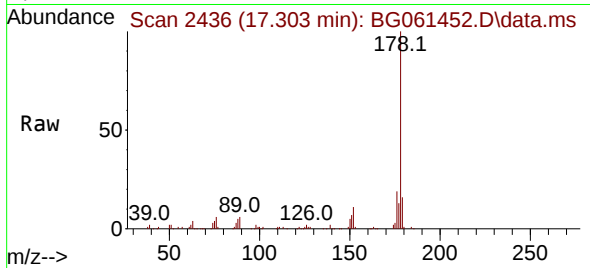
Quant Time: Jun 04 13:28:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 8.068 ng/ul  
RT: 17.303 min Scan# 2437  
Delta R.T. 0.004 min  
Lab File: BG061452.D  
Acq: 4 Jun 2024 12:44

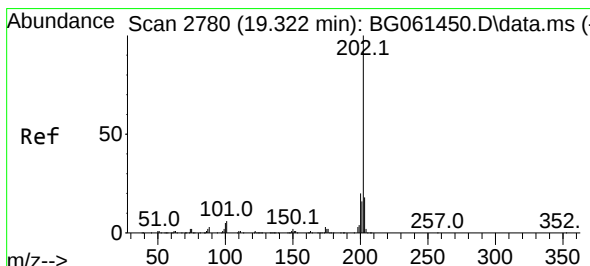
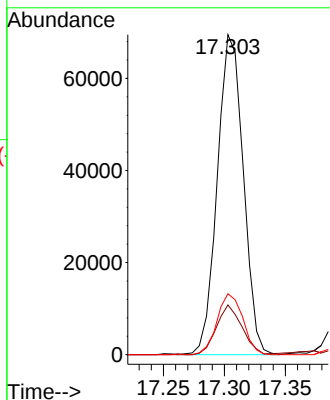
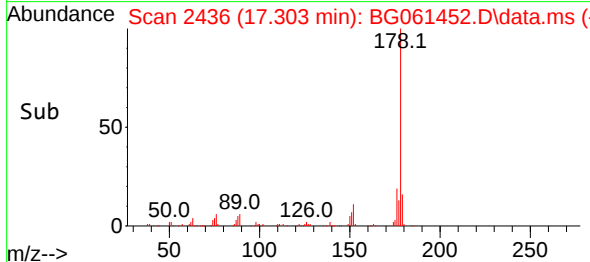
Instrument :  
BNA\_G  
ClientSampleId :  
BHBL3



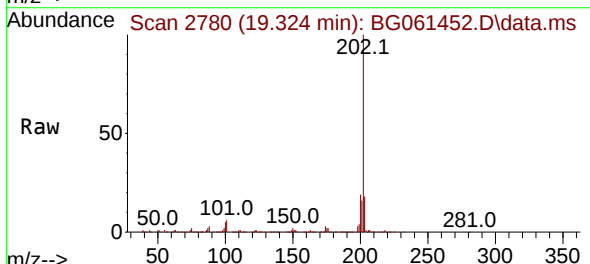
Tgt Ion:178 Resp: 10314  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.1 15.5 23.3

Manual Integrations  
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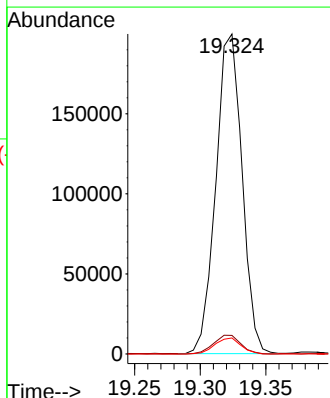
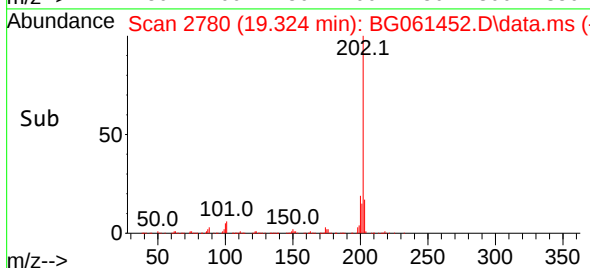
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/07/2024

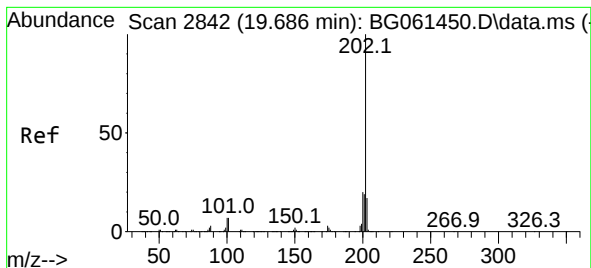


#80  
Fluoranthene  
Concen: 16.412 ng/ul  
RT: 19.324 min Scan# 2780  
Delta R.T. 0.009 min  
Lab File: BG061452.D  
Acq: 4 Jun 2024 12:44



Tgt Ion:202 Resp: 277181  
Ion Ratio Lower Upper  
202 100  
101 5.8 4.8 7.2  
100 5.0 4.1 6.1





#82

Pyrene

Concen: 15.656 ng/ul

RT: 19.683 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

Instrument :

BNA\_G

ClientSampleId :

BHBL3

Tgt Ion:202 Resp: 274452

Ion Ratio Lower Upper

202 100

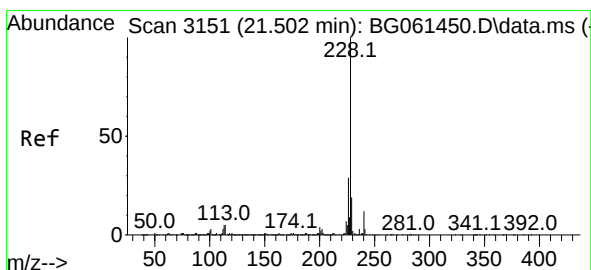
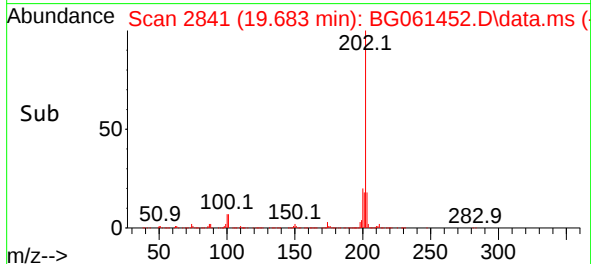
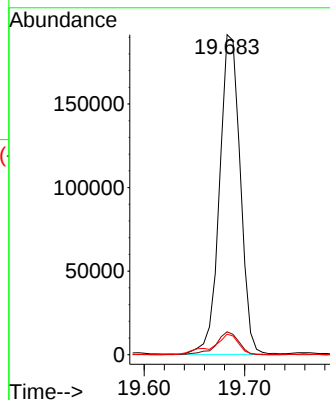
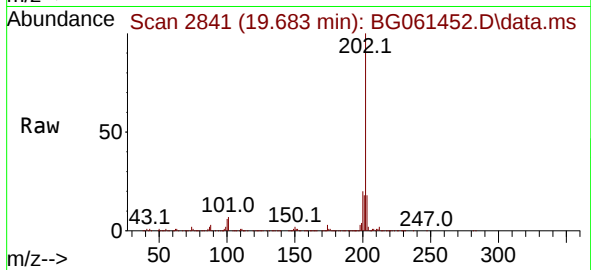
101 7.2 5.7 8.5

100 6.4 5.1 7.7

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 7.804 ng/ul

RT: 21.498 min Scan# 3150

Delta R.T. 0.004 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

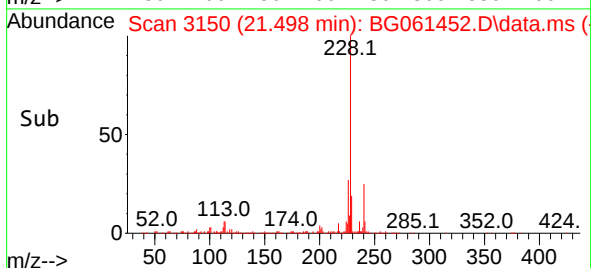
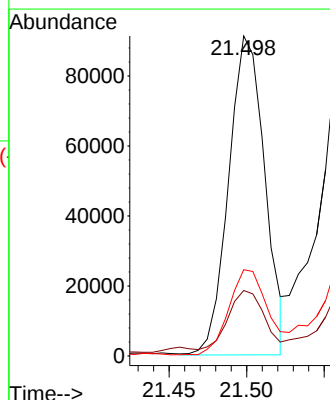
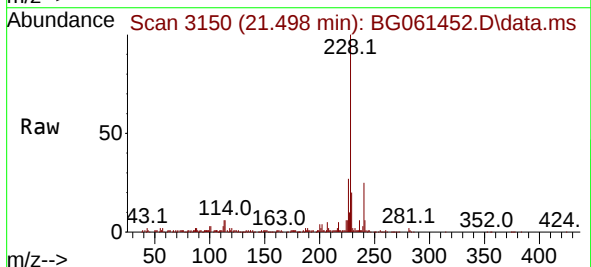
Tgt Ion:228 Resp: 147647

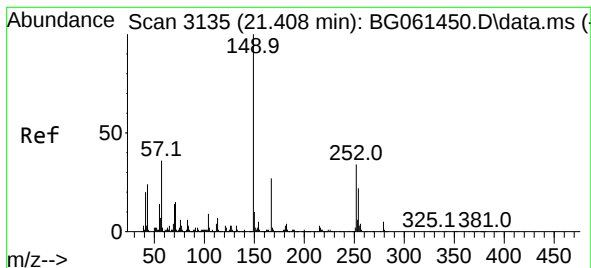
Ion Ratio Lower Upper

228 100

229 20.5 15.2 22.8

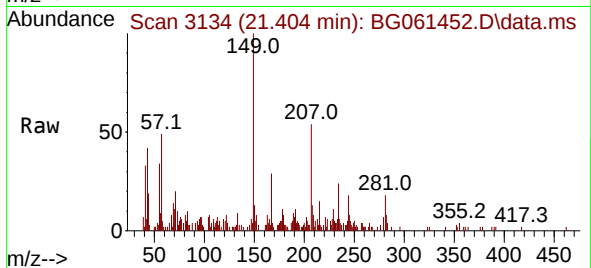
226 27.0 21.4 32.2





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.224 ng/ul  
RT: 21.404 min Scan# 3134  
Delta R.T. -0.002 min  
Lab File: BG061452.D  
Acq: 4 Jun 2024 12:44

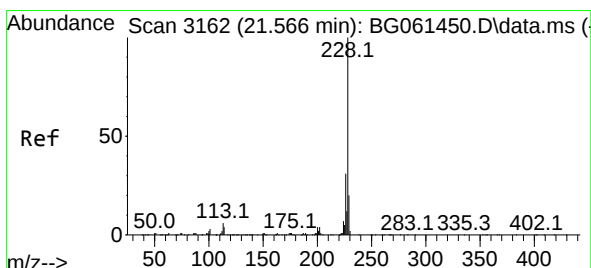
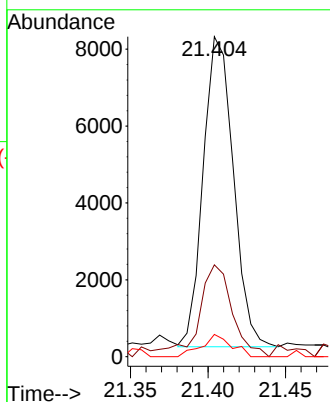
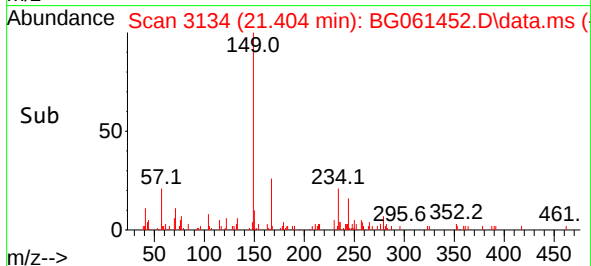
Instrument :  
BNA\_G  
ClientSampleId :  
BHBL3



Tgt Ion:149 Resp: 10914  
Ion Ratio Lower Upper  
149 100  
167 28.7 21.1 31.7  
279 6.9 3.3 4.9

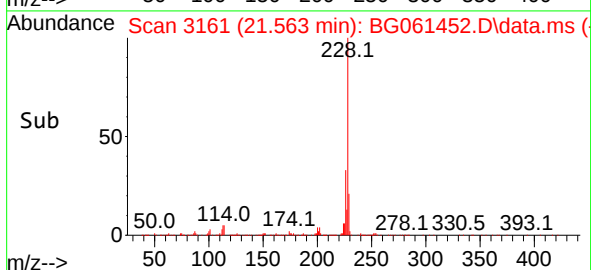
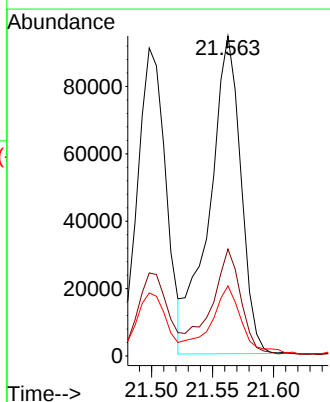
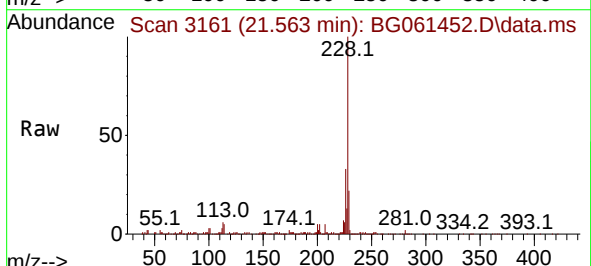
Manual Integrations  
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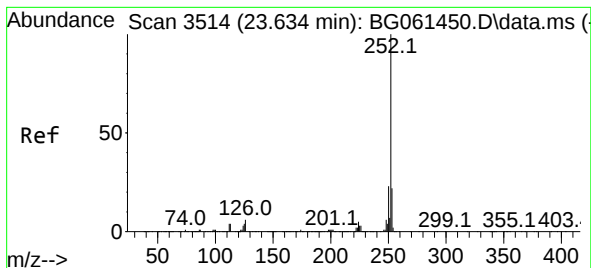
Reviewed By :Jagrut Upadhyay 06/04/2024  
Supervised By :mohammad ahmed 06/07/2024



#87  
Chrysene  
Concen: 9.710 ng/ul  
RT: 21.563 min Scan# 3161  
Delta R.T. 0.009 min  
Lab File: BG061452.D  
Acq: 4 Jun 2024 12:44

Tgt Ion:228 Resp: 169150  
Ion Ratio Lower Upper  
228 100  
226 33.4 23.4 35.0  
229 21.9 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 12.227 ng/ul

RT: 23.631 min Scan# 3514

Delta R.T. 0.015 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

Instrument :

BNA\_G

ClientSampleId :

BHBL3

Tgt Ion:252 Resp: 22704

Ion Ratio Lower Upper

252 100

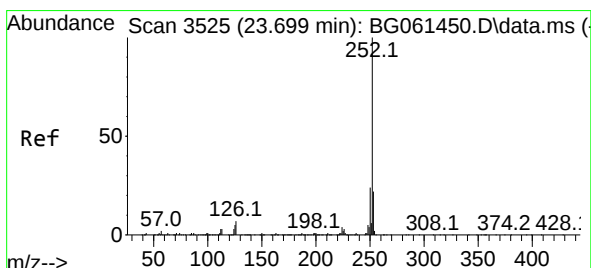
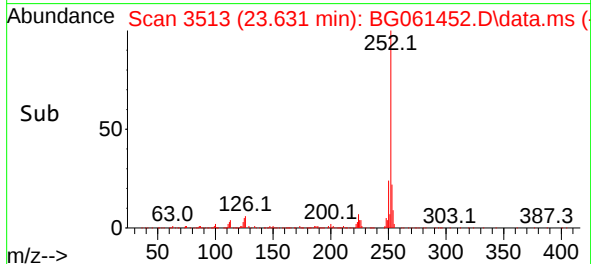
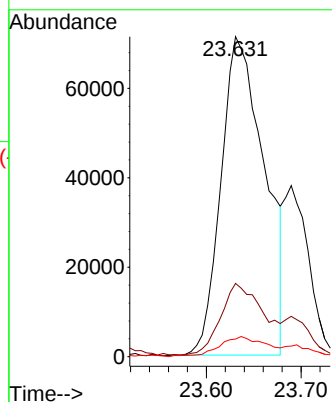
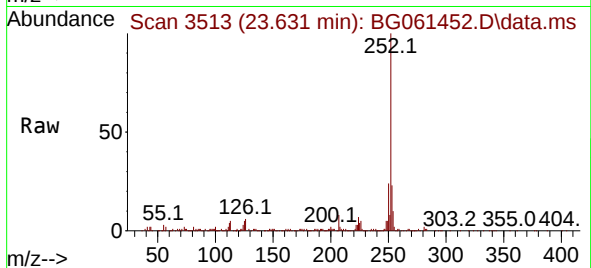
253 22.9 17.8 26.8

125 5.5 4.6 6.8

Manual Integrations

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#91

Benzo(k)fluoranthene

Concen: 3.647 ng/ul m

RT: 23.690 min Scan# 3523

Delta R.T. 0.009 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

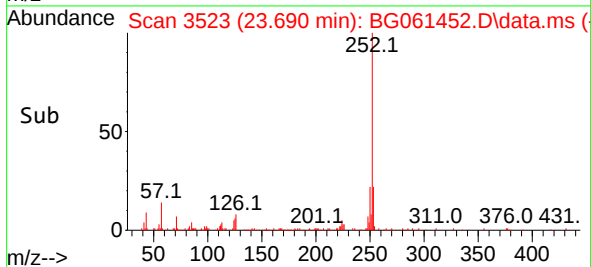
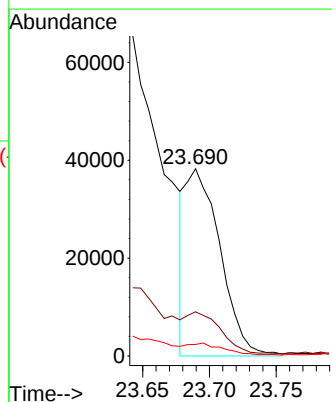
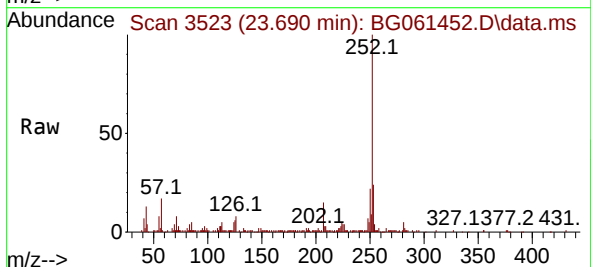
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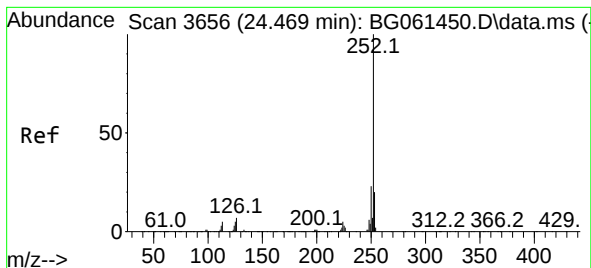
Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

125 6.1 4.3 6.5





#93

Benzo(a)pyrene

Concen: 8.815 ng/u1

RT: 24.465 min Scan# 30

Delta R.T. 0.015 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

Instrument :

BNA\_G

ClientSampleId :

BHBL3

Tgt Ion:252 Resp: 155429

Ion Ratio Lower Upper

252 100

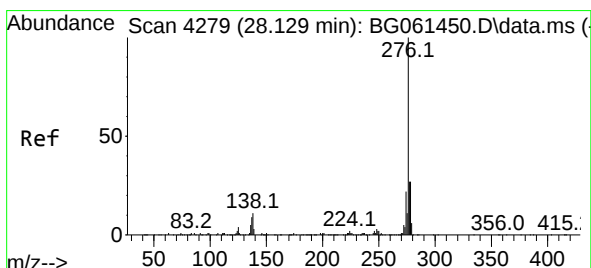
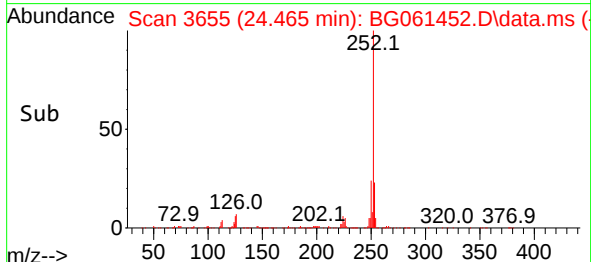
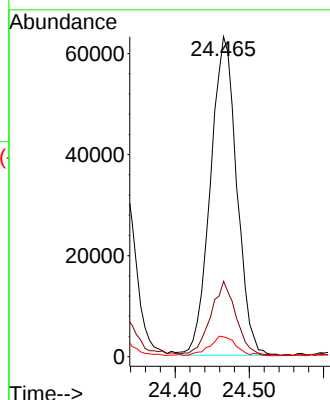
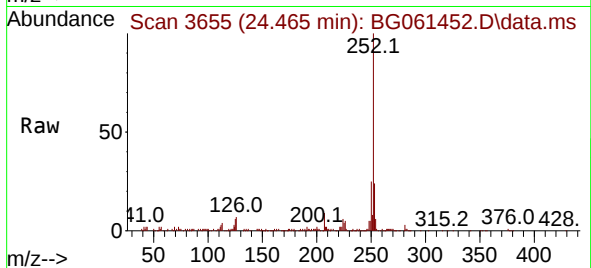
253 23.5 16.4 24.6

125 6.2 4.3 6.5

Manual Integrations

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#94

Indeno(1,2,3-cd)pyrene

Concen: 5.220 ng/u1

RT: 28.114 min Scan# 4276

Delta R.T. 0.021 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

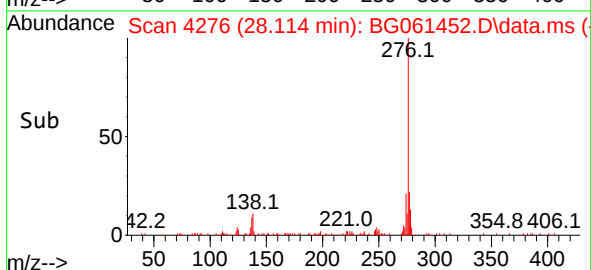
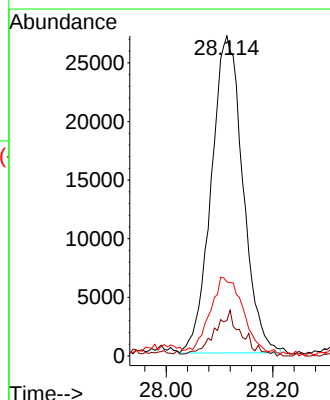
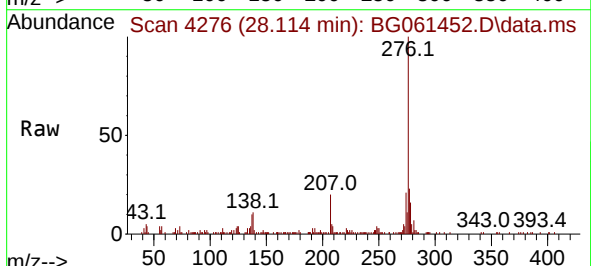
Tgt Ion:276 Resp: 111314

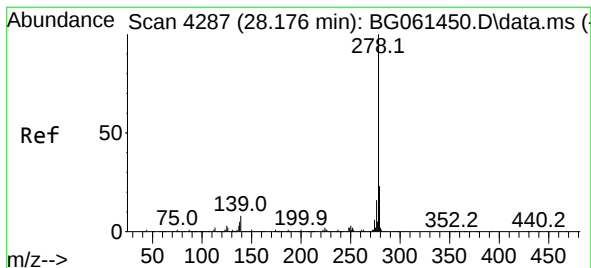
Ion Ratio Lower Upper

276 100

138 11.1 8.6 13.0

277 23.2 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.722 ng/ul m

RT: 28.155 min Scan# 4283

Delta R.T. 0.015 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

Instrument :

BNA\_G

ClientSampleId :

BHBL3

Tgt Ion:278 Resp: 30269

Ion Ratio Lower Upper

278 100

139 14.7 6.4 9.6

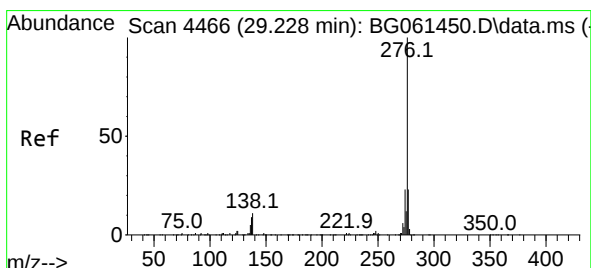
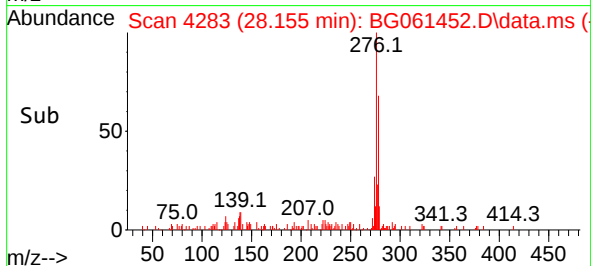
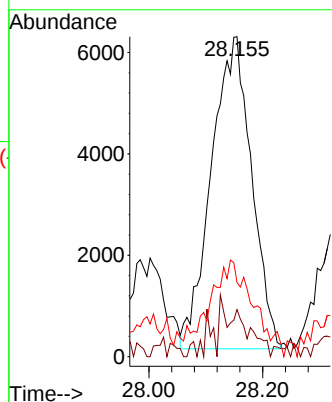
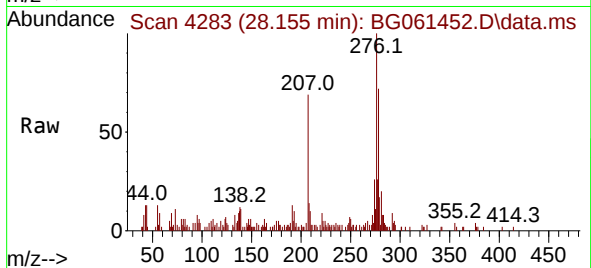
279 23.2 19.9 29.9

Manual Integrations

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#96

Benzo(g,h,i)perylene

Concen: 6.736 ng/ul m

RT: 29.218 min Scan# 4464

Delta R.T. 0.045 min

Lab File: BG061452.D

Acq: 4 Jun 2024 12:44

Tgt Ion:276 Resp: 114264

Ion Ratio Lower Upper

276 100

138 10.2 8.7 13.1

277 23.3 18.2 27.2

