

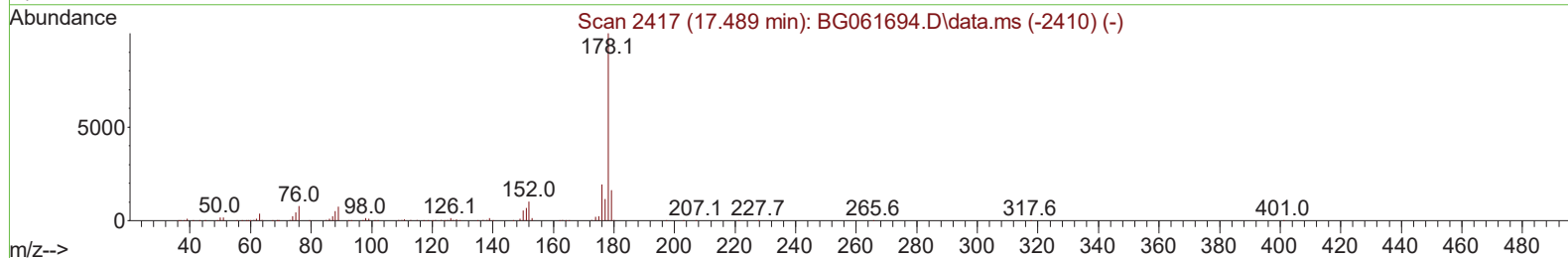
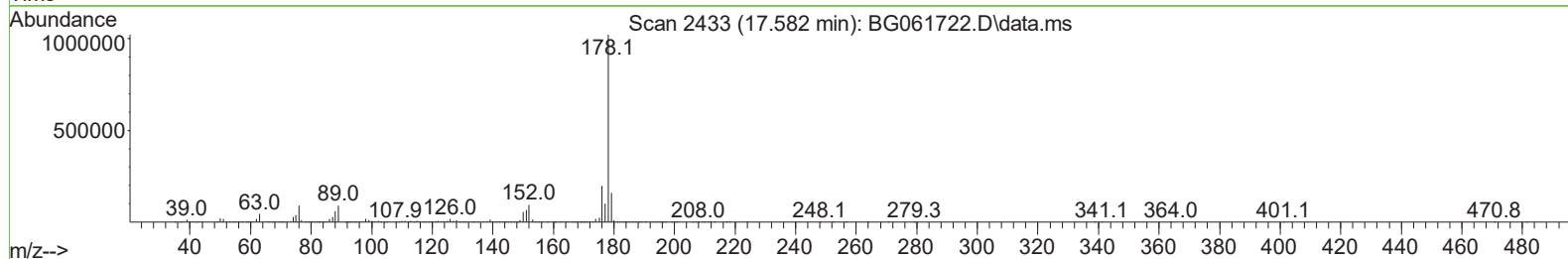
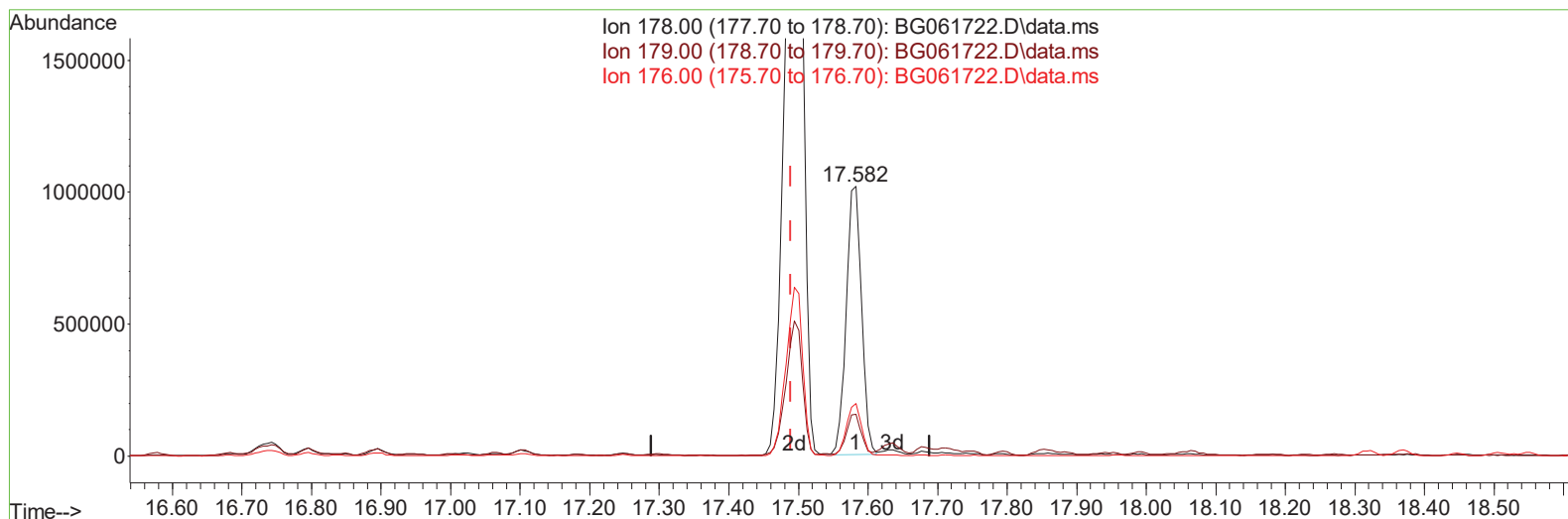
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061722.D  
Acq On : 26 Jun 2024 4:48  
Operator : MA/JU  
Sample : P2873-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SG7

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:29:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(72) Phenanthrene

17.582min (+ 0.094) 60.70 ng/ul

response 1560034

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.00  | 15.53  |
| 176.00 | 20.20  | 19.43  |
| 0.00   | 0.00   | 0.00   |

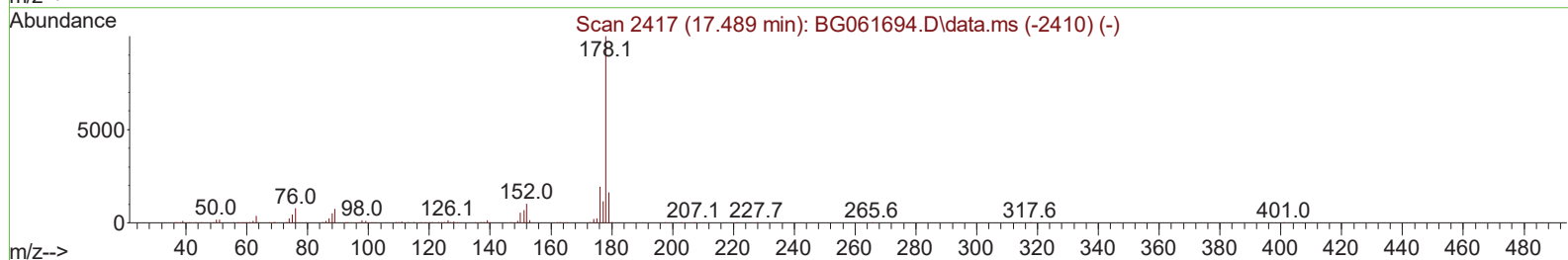
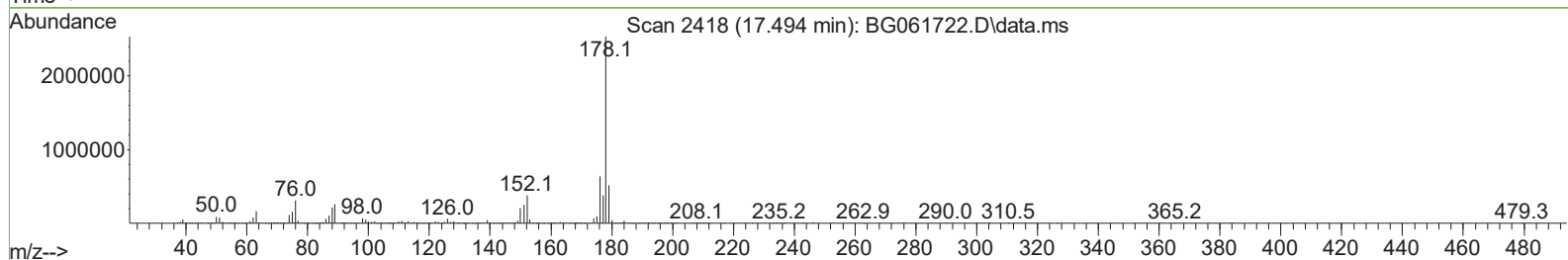
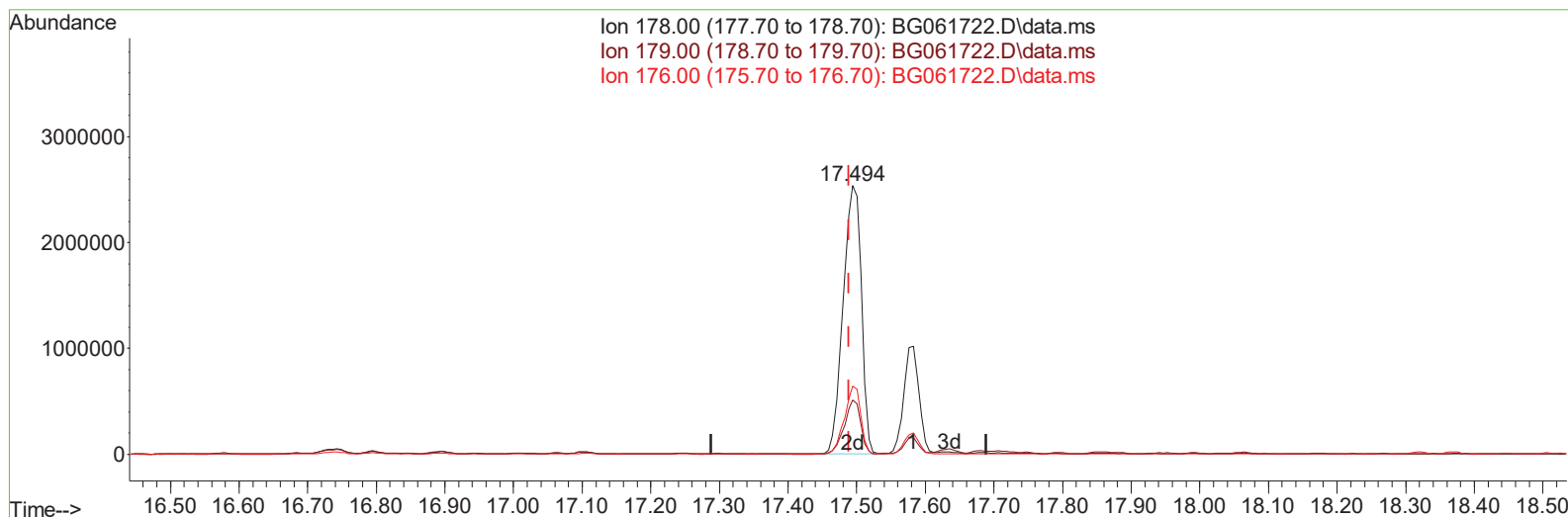
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Manual IntegrationsAPPROVED

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QLast Update : Fri Jun 21 05:03:55 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(72) Phenanthrene

17.494min (+ 0.005) 183.14 ng/ul m

response 4706634

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.00  | 20.24# |
| 176.00 | 20.20  | 25.26# |
| 0.00   | 0.00   | 0.00   |

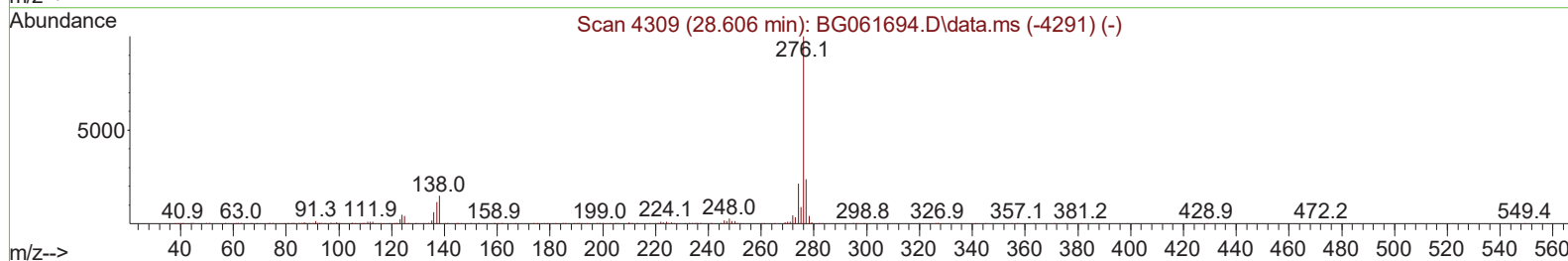
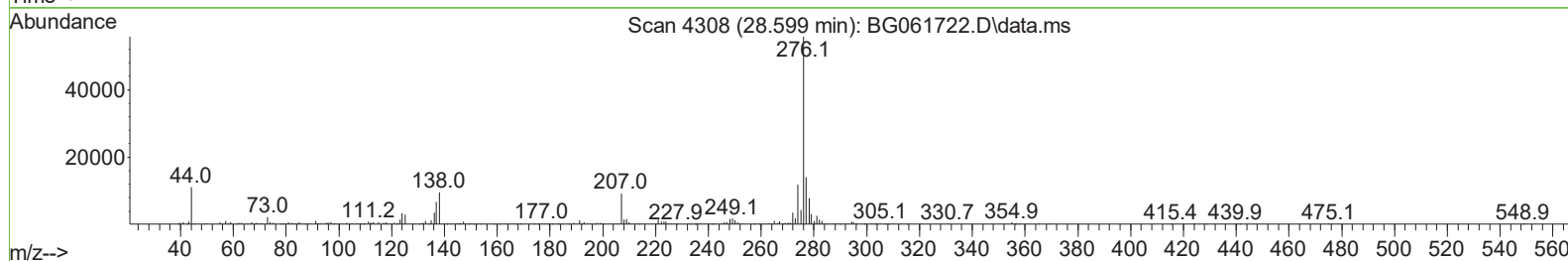
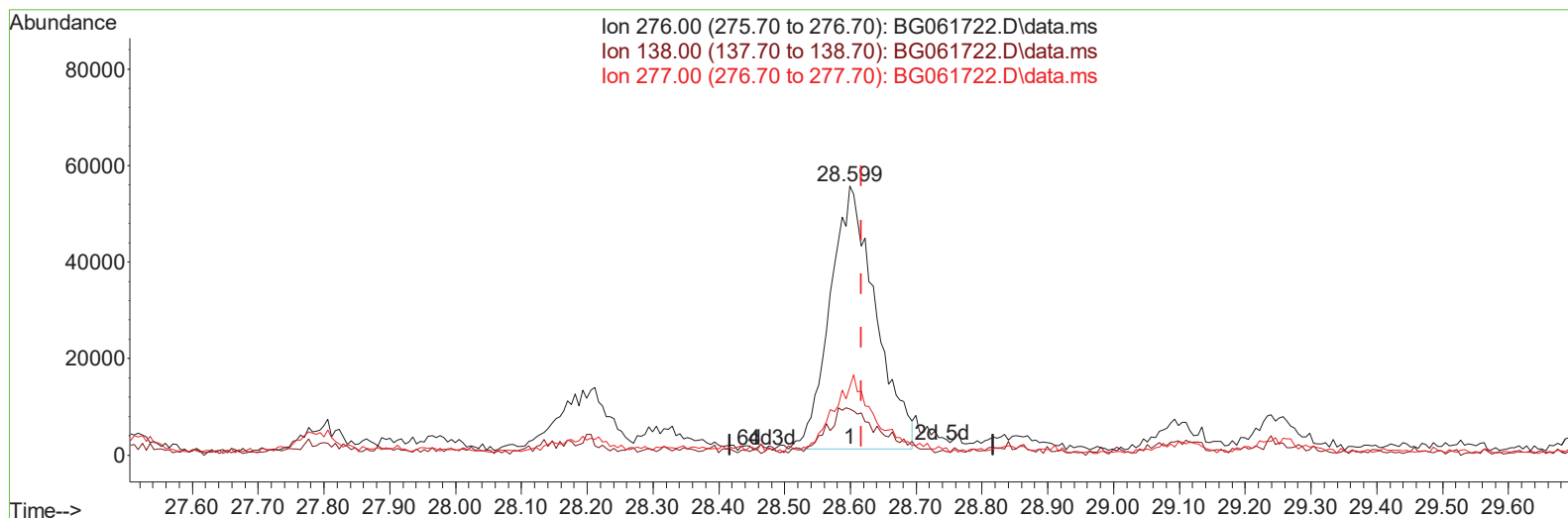
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ALS Vial : 21 Sample Multiplier: 1

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TIC: BG061722.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.599min (-0.018) 7.41 ng/u $\text{l}$

response 262059

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 17.09  |
| 277.00 | 24.60  | 25.39  |
| 0.00   | 0.00   | 0.00   |

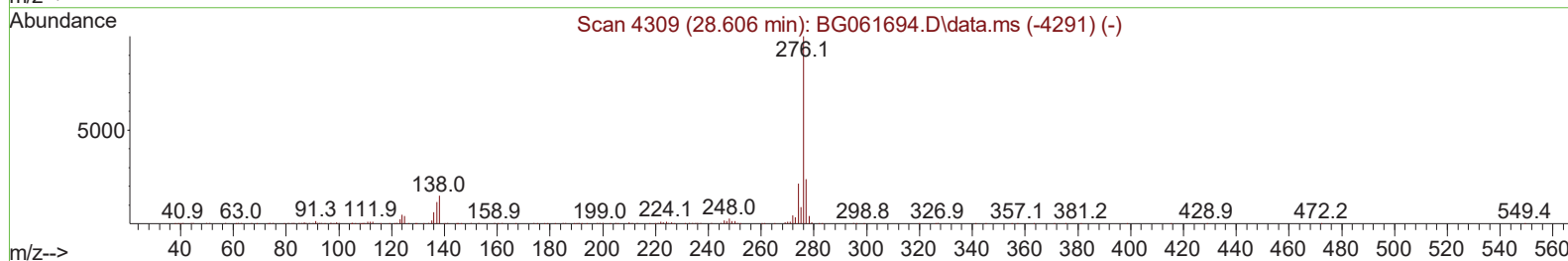
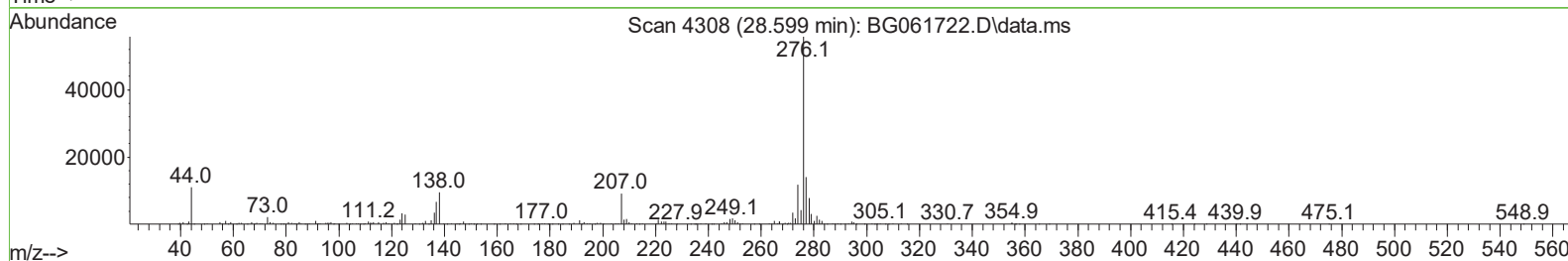
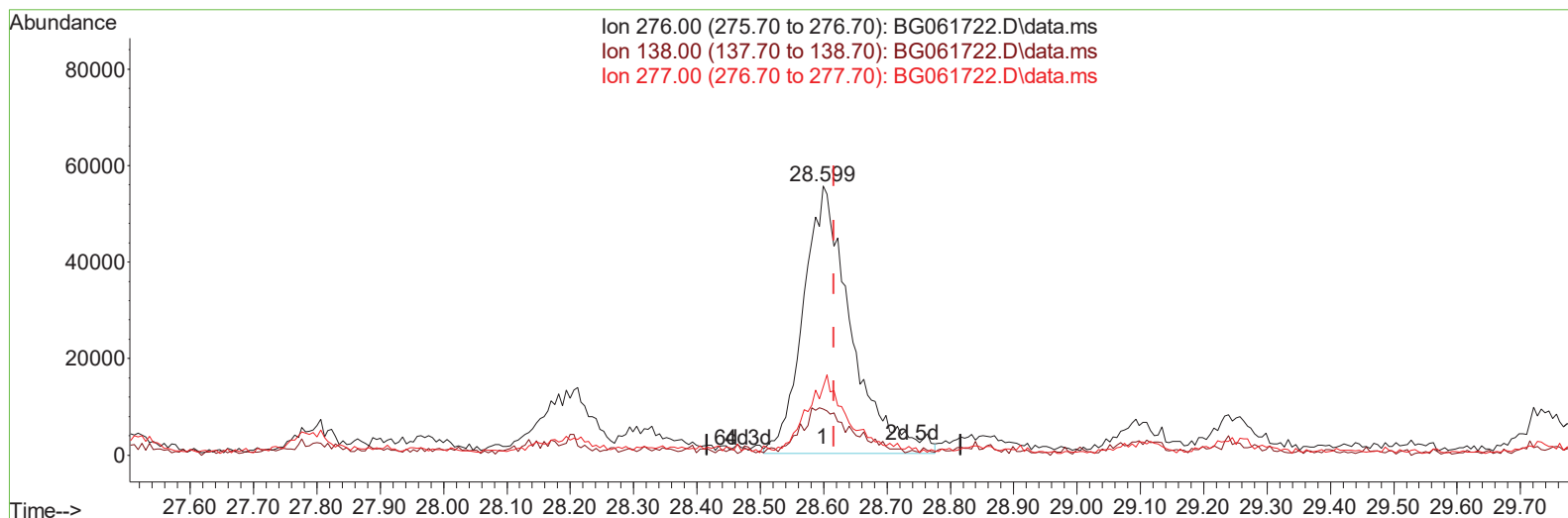
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
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 Acq On : 26 Jun 2024 4:48  
 Operator : MA/JU  
 Sample : P2873-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0SG7

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/27/2024  
 Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.599min (-0.018) 8.21 ng/ul m

response 290518

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 17.09  |
| 277.00 | 24.60  | 25.39  |
| 0.00   | 0.00   | 0.00   |

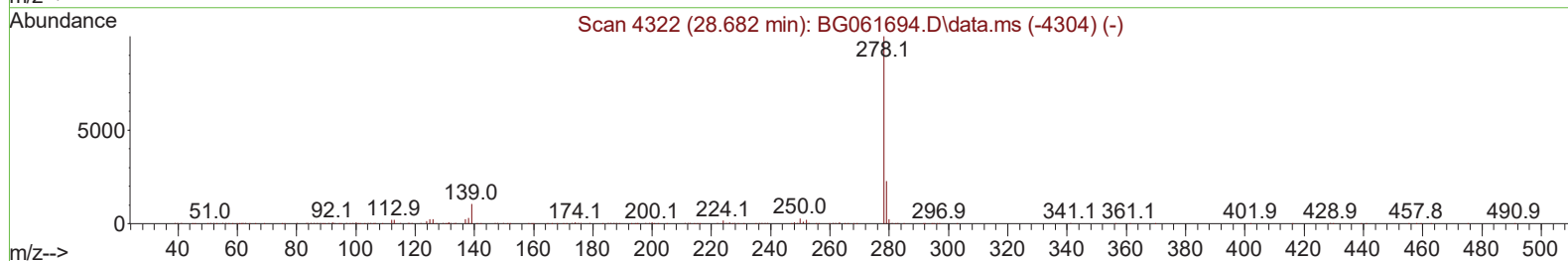
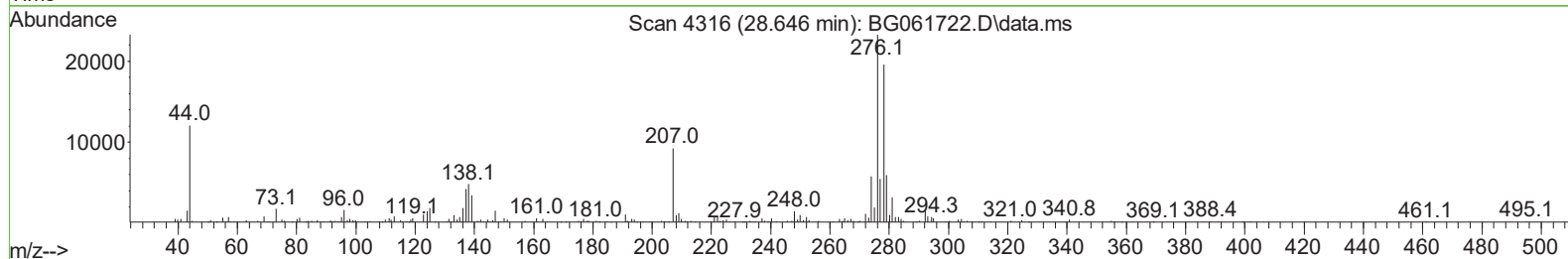
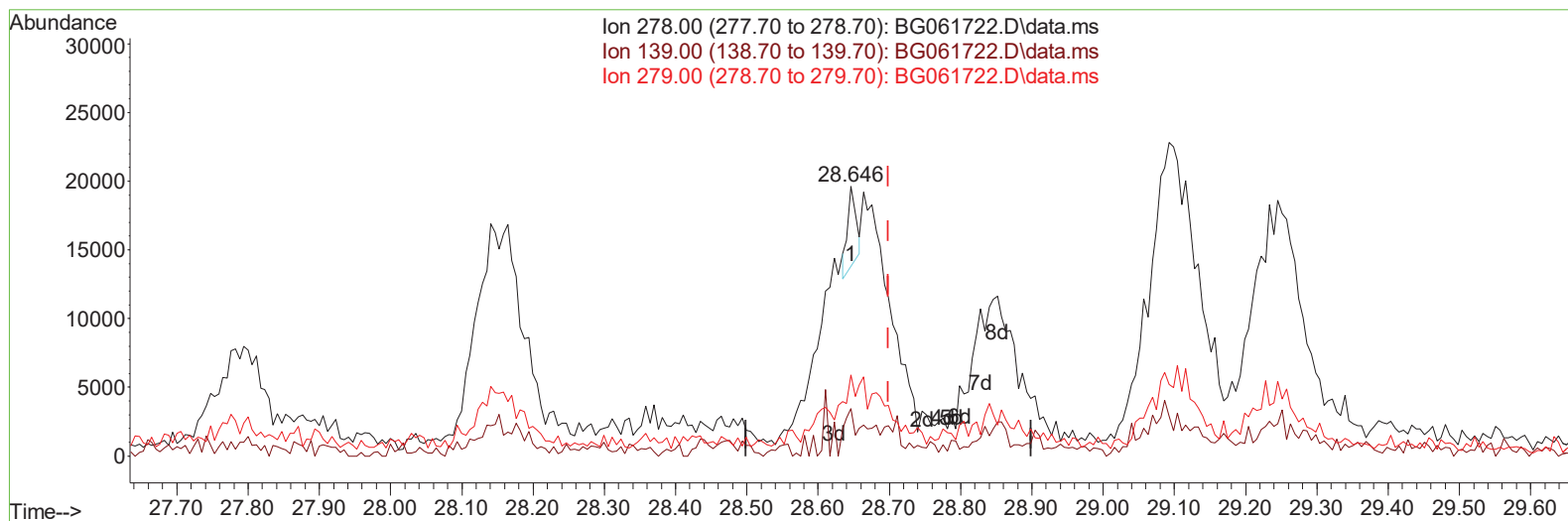
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061722.D  
Acq On : 26 Jun 2024 4:48  
Operator : MA/JU  
Sample : P2873-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SG7

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:31:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(95) Dibenzo(a,h)anthracene

28.646min (-0.053) 0.16 ng/u1

response 4806

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 17.63# |
| 279.00 | 23.30  | 30.19# |
| 0.00   | 0.00   | 0.00   |

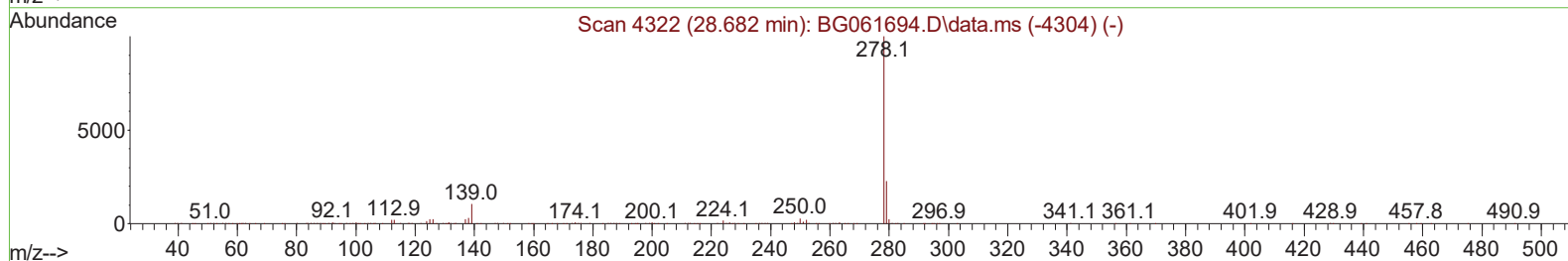
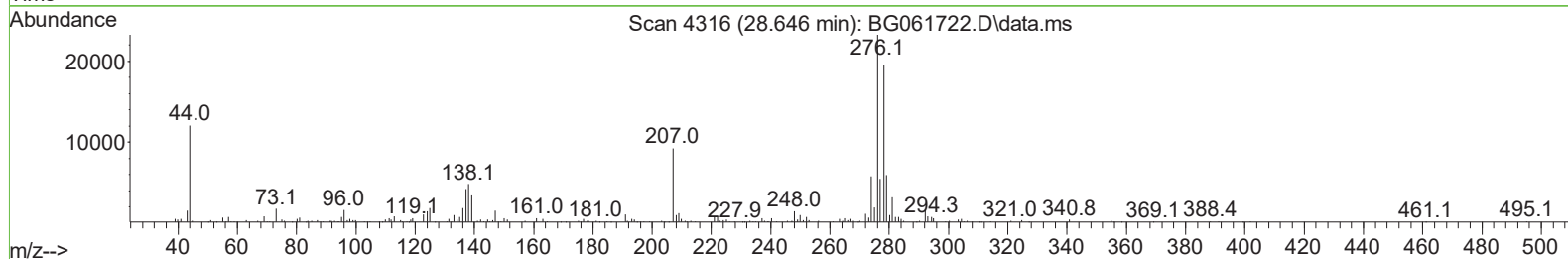
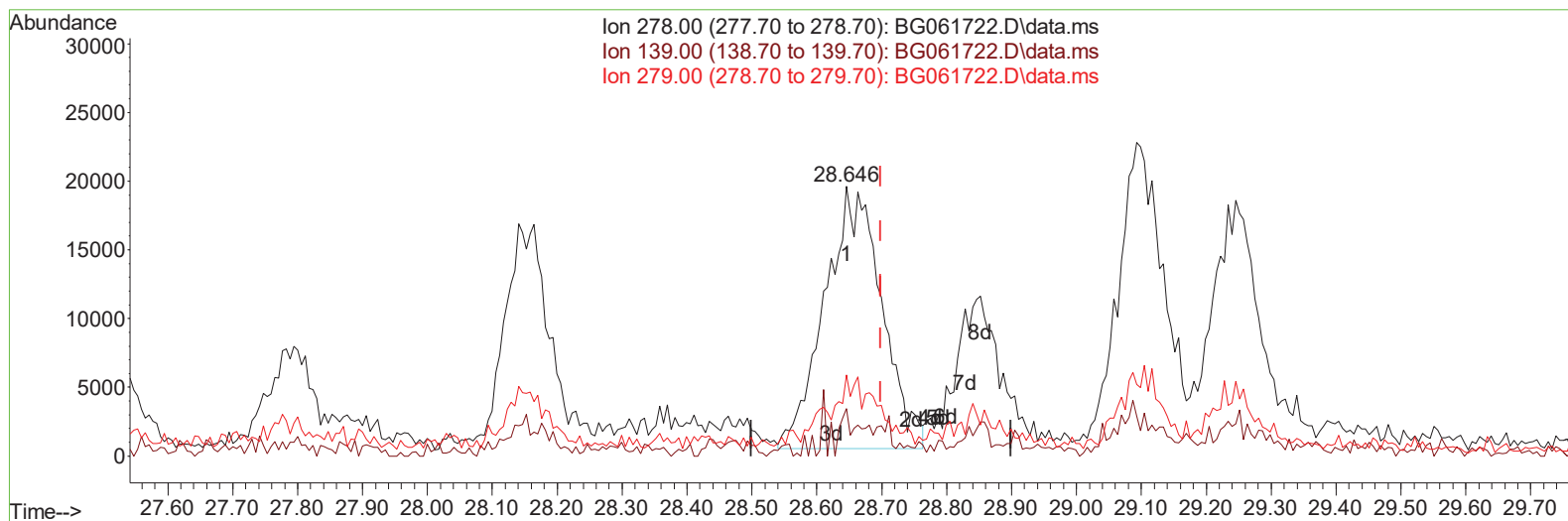
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061722.D  
Acq On : 26 Jun 2024 4:48  
Operator : MA/JU  
Sample : P2873-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SG7

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:31:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(95) Dibenzo(a,h)anthracene

28.646min (-0.053) 3.95 ng/ul m

response 116230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 17.63# |
| 279.00 | 23.30  | 30.19# |
| 0.00   | 0.00   | 0.00   |

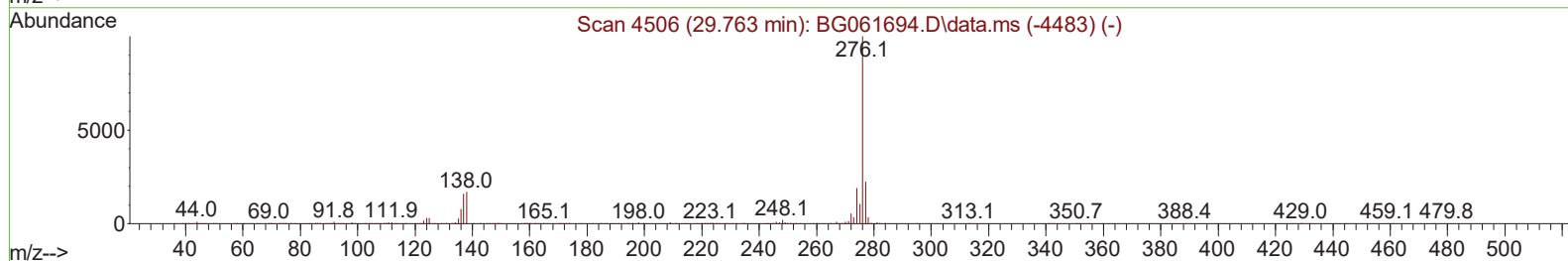
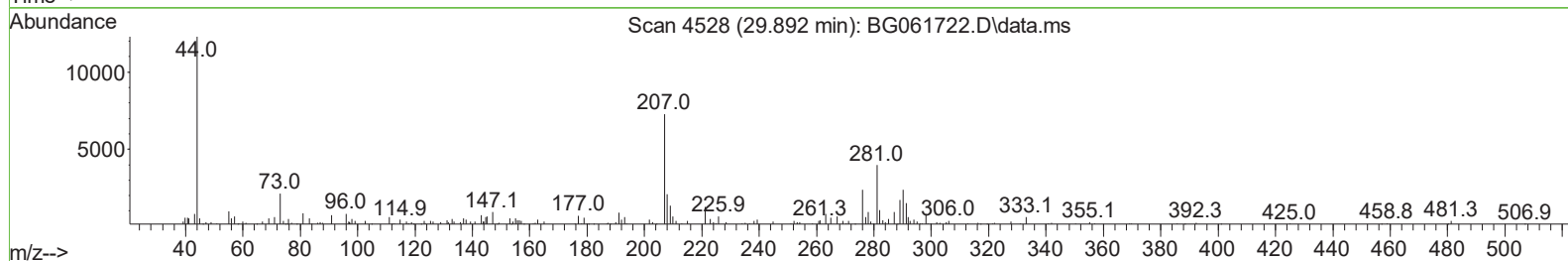
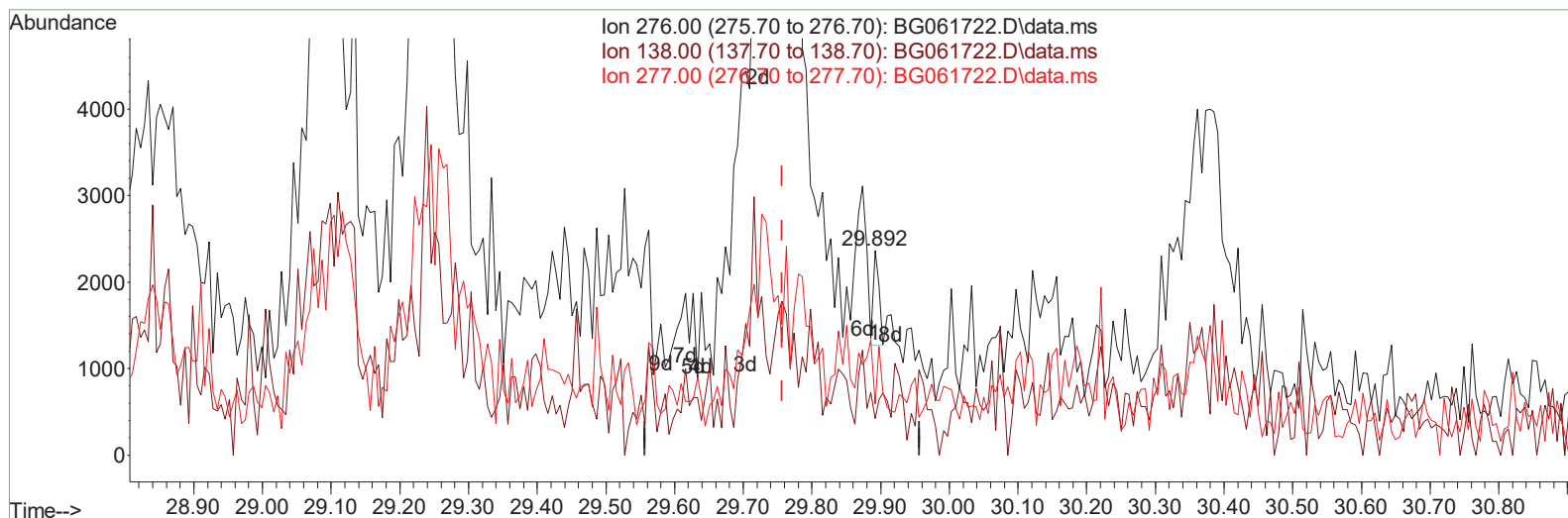
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061722.D  
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Operator : MA/JU  
Sample : P2873-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SG7

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:31:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(96) Benzo(g,h,i)perylene

29.892min (+ 0.135) 0.02 ng/u1

response 624

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 17.81  |
| 277.00 | 23.20  | 24.83  |
| 0.00   | 0.00   | 0.00   |

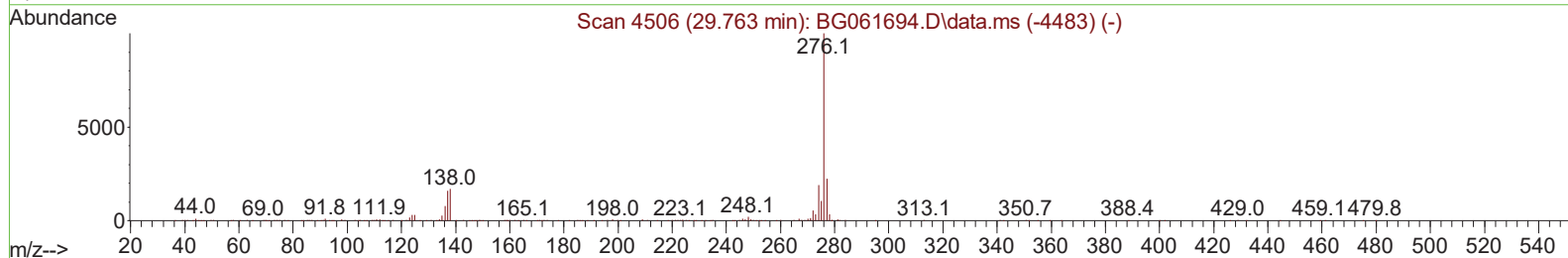
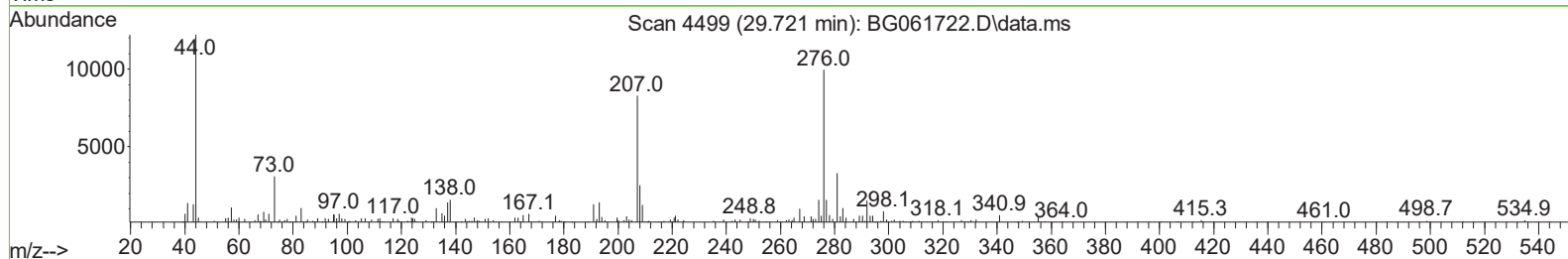
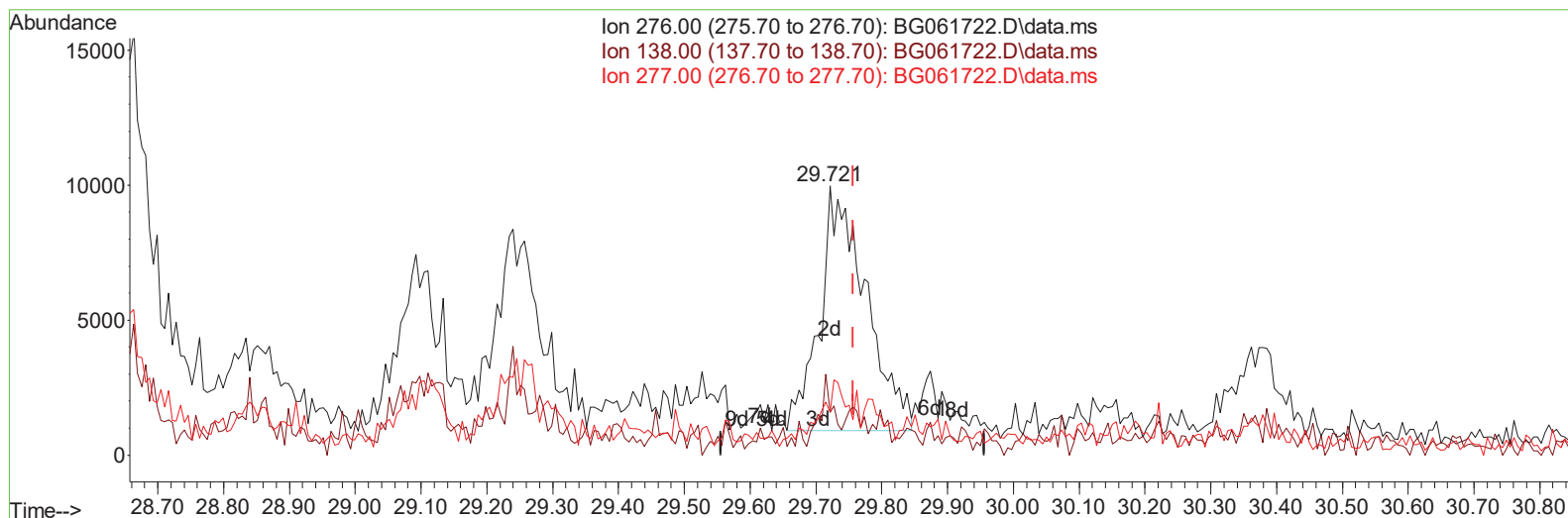
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061722.D  
Acq On : 26 Jun 2024 4:48  
Operator : MA/JU  
Sample : P2873-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SG7

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:31:37 2024  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061722.D\data.ms

(96) Benzo(g,h,i)perylene

29.721min (-0.036) 1.54 ng/ul m

response 43894

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 15.89  |
| 277.00 | 23.20  | 15.97# |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/27/2024  
 Supervised By :mohammad ahmed 06/27/2024

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.070  | 152  | 58541    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.890 | 136  | 291697   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.698 | 164  | 220003   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.441 | 188  | 488508   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.707 | 240  | 400049   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.933 | 264  | 490460   | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.470  | 96   | 6008     | 3.707   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000   | ng/ul  |          |
| 7) Phenol-d5                  | 7.212  | 99   | 125605   | 19.764  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.394  | 67   | 91450    | 23.084  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.594  | 132  | 91235    | 20.920  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.763  | 113  | 58765    | 11.961  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.233  | 128  | 54655    | 27.595  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.962  | 143  | 61024    | 30.421  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.497 | 165  | 100025   | 21.058  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.014 | 131  | 92567    | 12.872  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.104 | 166  | 430048   | 25.401  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.398 | 160  | 466591   | 25.148  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.874 | 143  | 55193    | 18.982  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.691 | 176  | 387986   | 26.177  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.802 | 200  | 47465    | 22.723  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.547 | 188  | 617010   | 27.670  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.821 | 212  | 584351   | 26.150  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.709 | 264  | 454282   | 19.393  | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.949 | 128  | 6012266  | 368.367 | ng/ul# | 87       |
| 36) 2-Methylnaphthalene       | 12.541 | 142  | 2702556  | 234.667 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.759 | 142  | 1706216  | 138.851 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.534 | 154  | 447890   | 28.105  | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.427 | 152  | 2071167  | 100.003 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.762 | 153  | 164021   | 11.435  | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.097 | 168  | 168477   | 8.394   | ng/ul# | 82       |
| 61) Fluorene                  | 15.749 | 166  | 1198372  | 72.143  | ng/ul  | 93       |
| 72) Phenanthrene              | 17.494 | 178  | 4706634m | 183.136 | ng/ul  |          |
| 74) Anthracene                | 17.582 | 178  | 1560364  | 59.372  | ng/ul  | 97       |
| 80) Fluoranthene              | 19.492 | 202  | 2215814  | 85.461  | ng/ul  | 98       |
| 82) Pyrene                    | 19.856 | 202  | 2684851  | 97.387  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.689 | 228  | 1300315  | 46.305  | ng/ul# | 87       |
| 87) Chrysene                  | 21.754 | 228  | 1059247  | 39.864  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.916 | 252  | 813898   | 27.606  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.969 | 252  | 269130   | 8.876   | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.780 | 252  | 597012   | 21.033  | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.599 | 276  | 290518m  | 8.214   | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.646 | 278  | 116230m  | 3.952   | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.721 | 276  | 43894m   | 1.540   | ng/ul  |          |

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

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Instrument :  
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ClientSampleId :  
C0SG7

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