

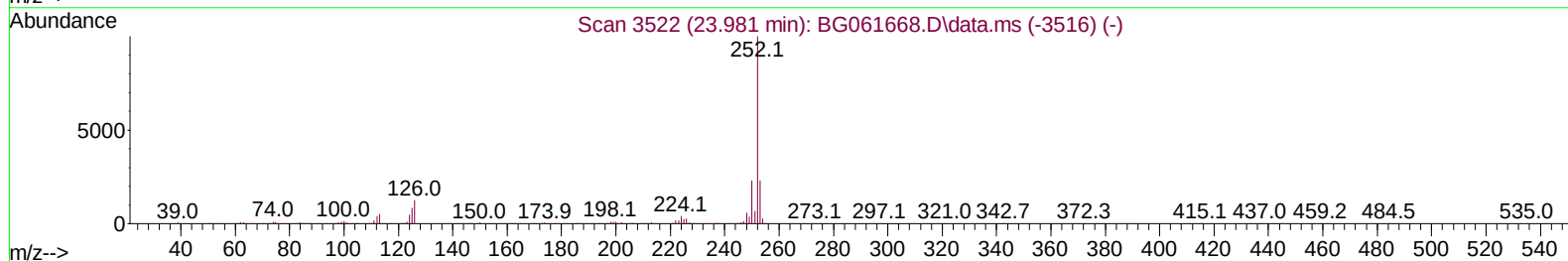
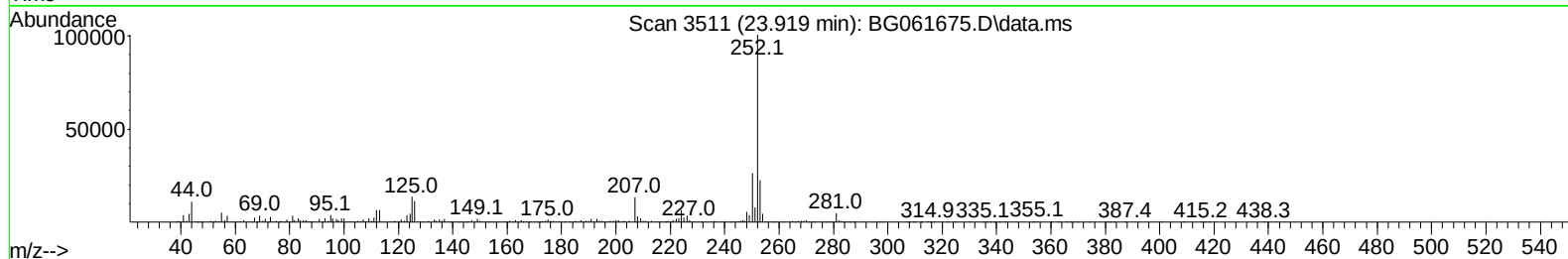
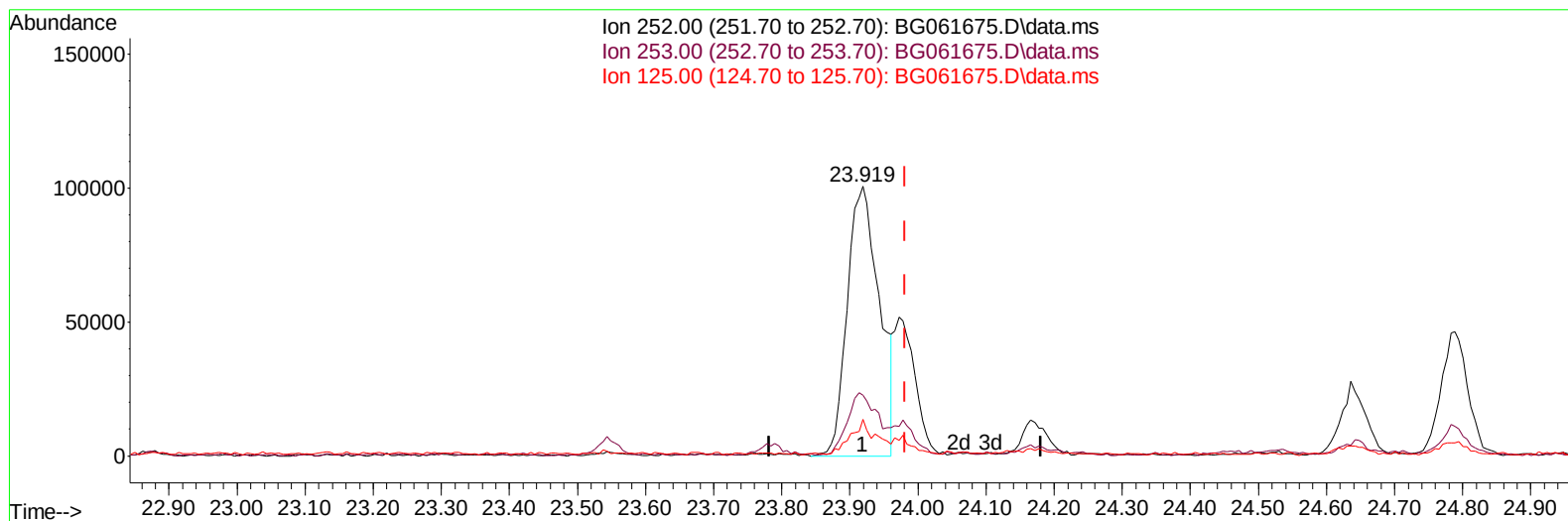
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:45:56 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 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

(91) Benzo(k)fluoranthene

23.919min (-0.062) 8.74 ng/u1

response 329597

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20  | 22.43  |
| 125.00 | 7.70   | 13.54# |
| 0.00   | 0.00   | 0.00   |

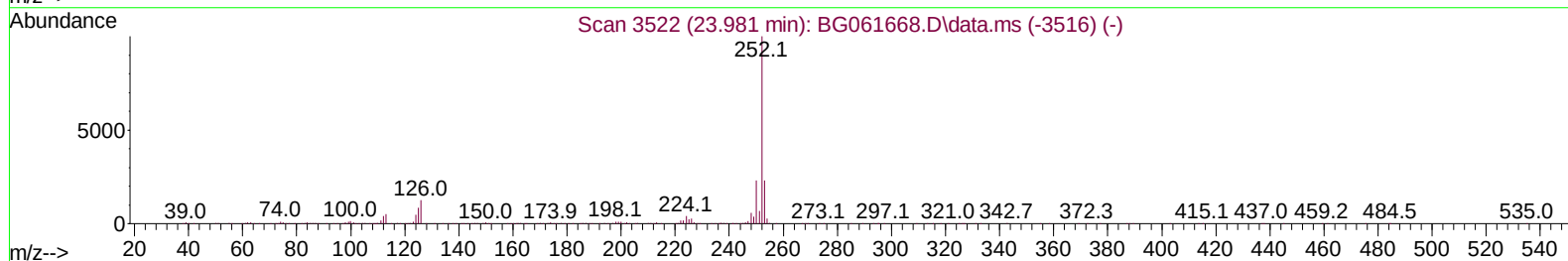
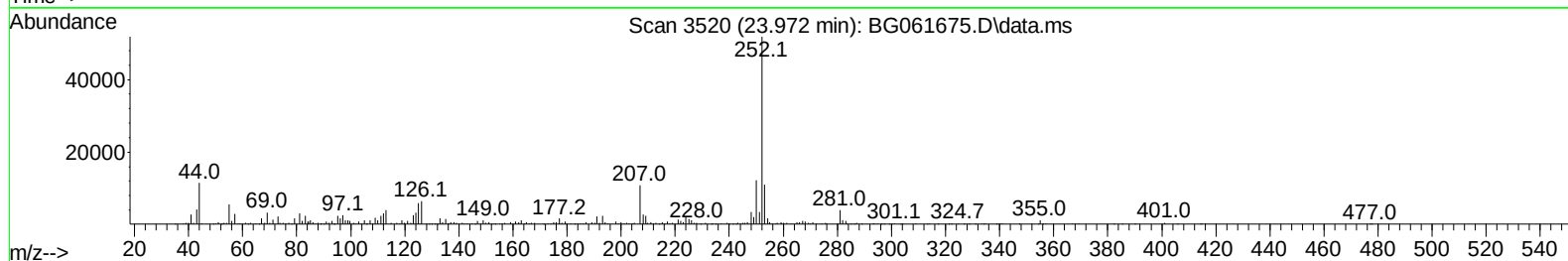
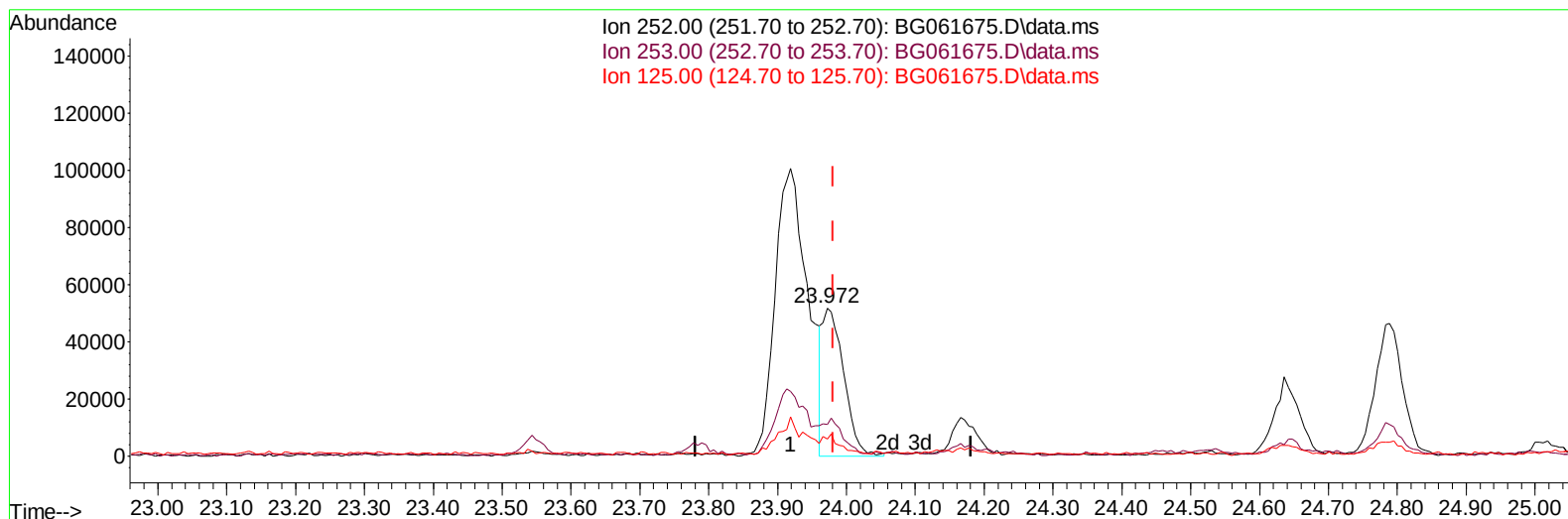
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:45:56 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 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

(91) Benzo(k)fluoranthene

23.972min (-0.009) 2.94 ng/u $\ell$  m

response 110927

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20  | 21.21  |
| 125.00 | 7.70   | 11.43# |
| 0.00   | 0.00   | 0.00   |

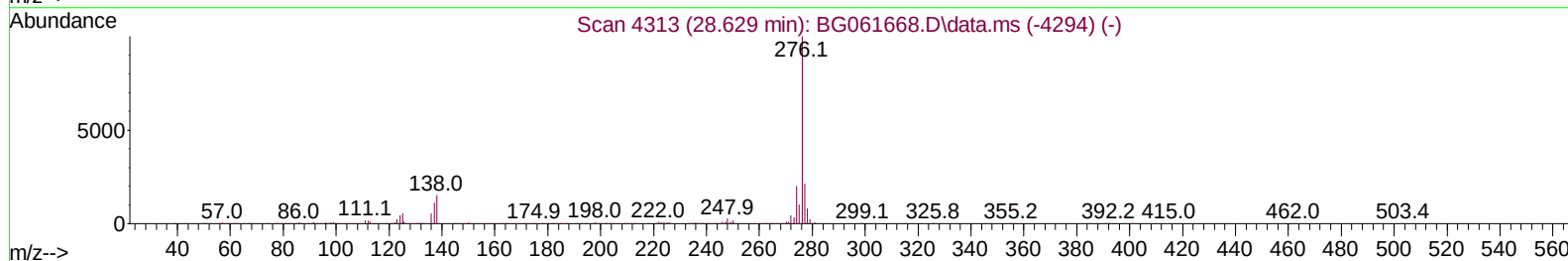
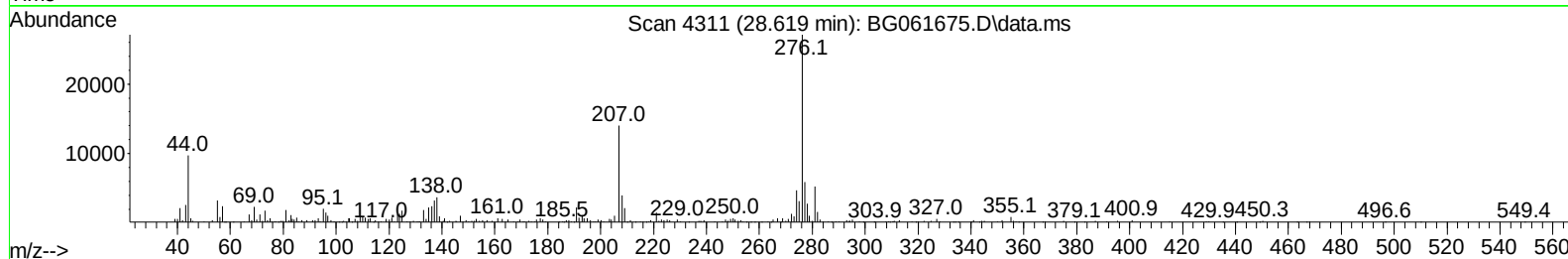
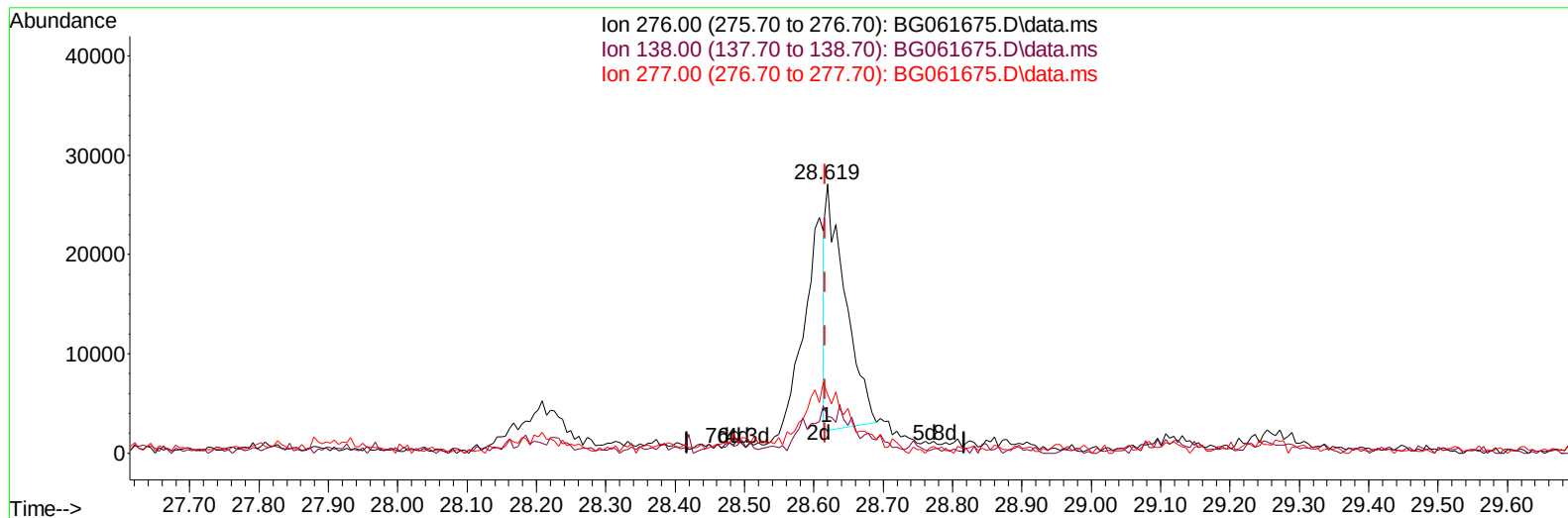
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:45:56 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 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

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

**28.619min (+ 0.003) 1.10 ng/u1**

**response 48217**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 13.64  |
| 277.00 | 24.60  | 21.81  |
| 0.00   | 0.00   | 0.00   |

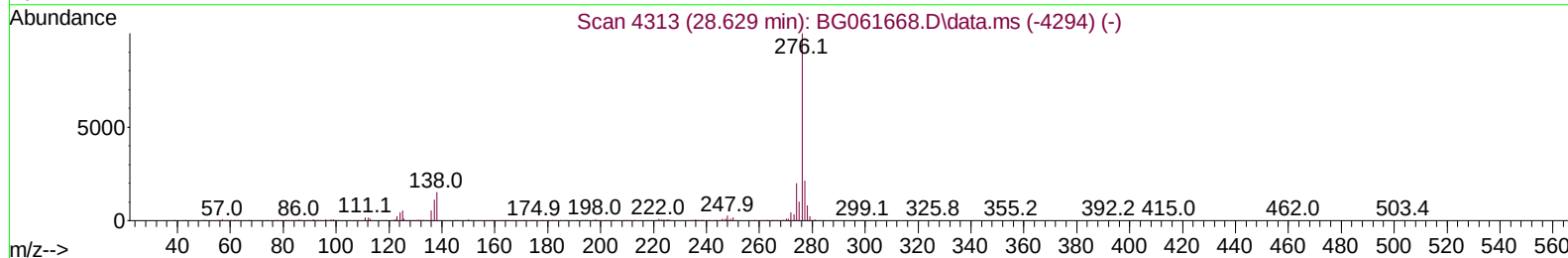
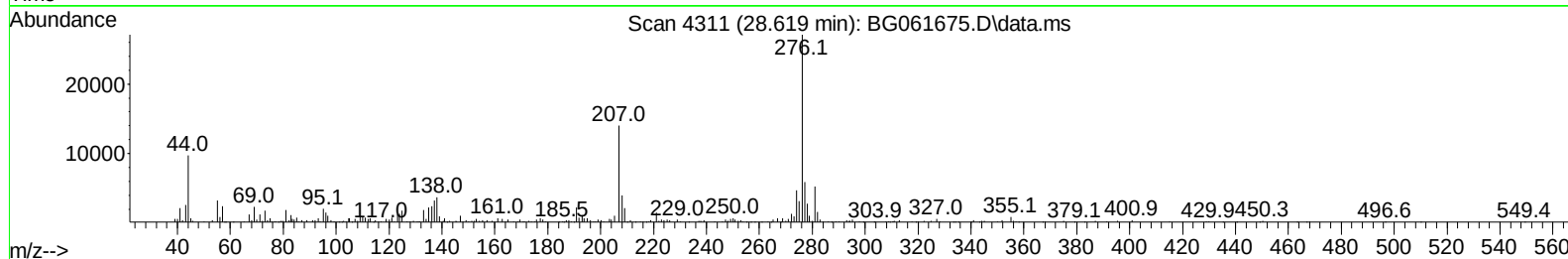
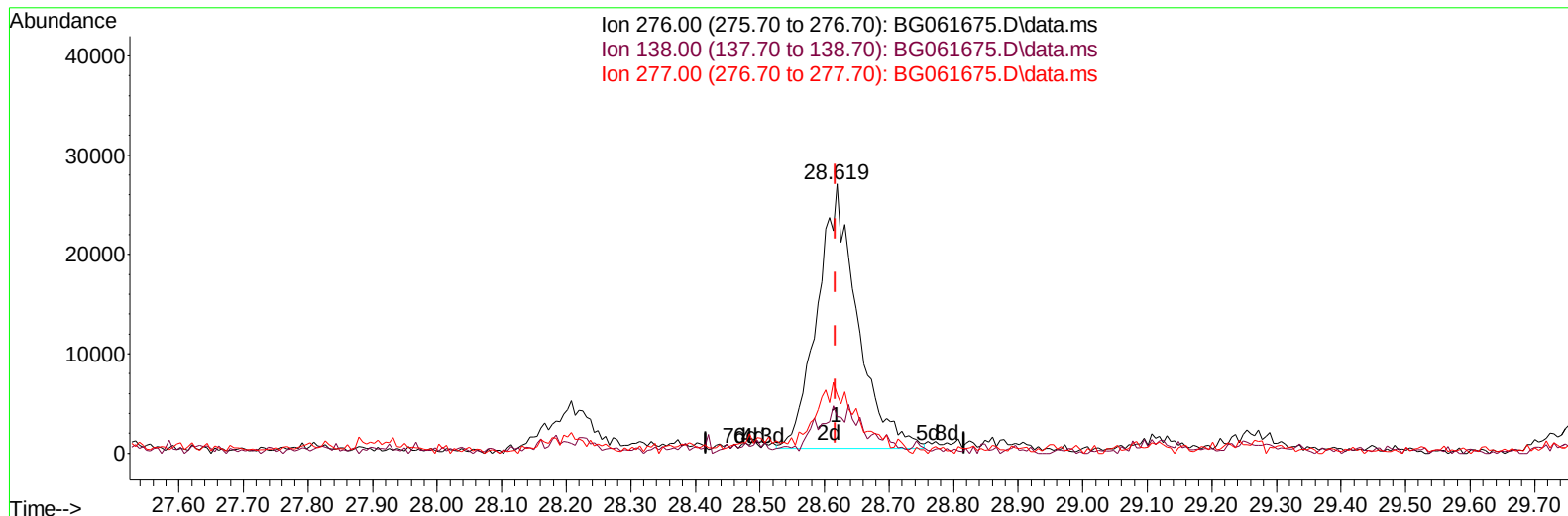
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:45:56 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 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

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

28.619min (+ 0.003) 2.62 ng/ul m

response 115065

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 13.64  |
| 277.00 | 24.60  | 21.81  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
 Data File : BG061675.D  
 Acq On : 24 Jun 2024 14:50  
 Operator : MA/JU  
 Sample : P2775-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

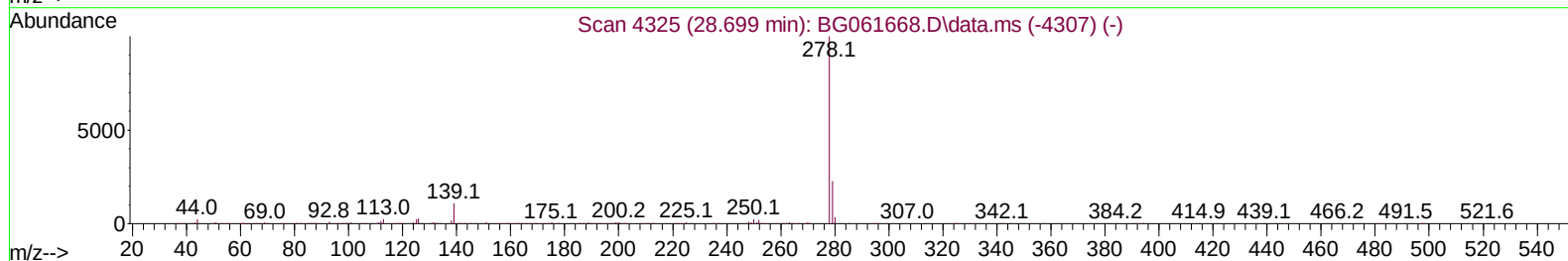
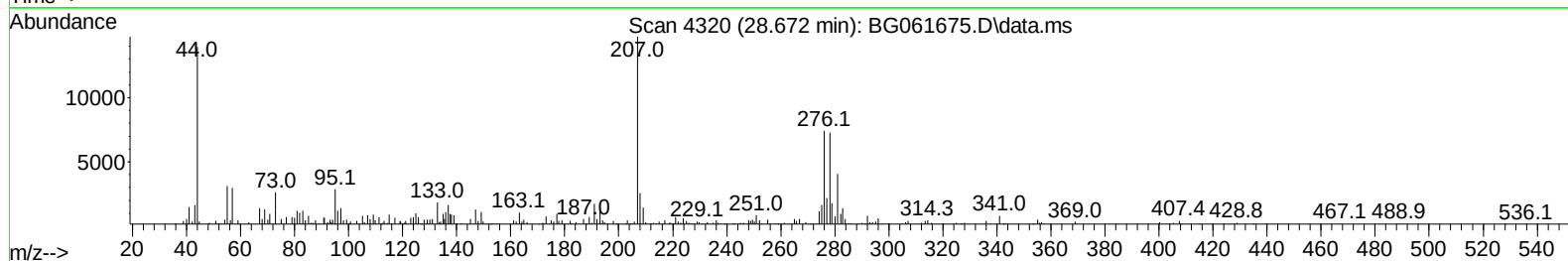
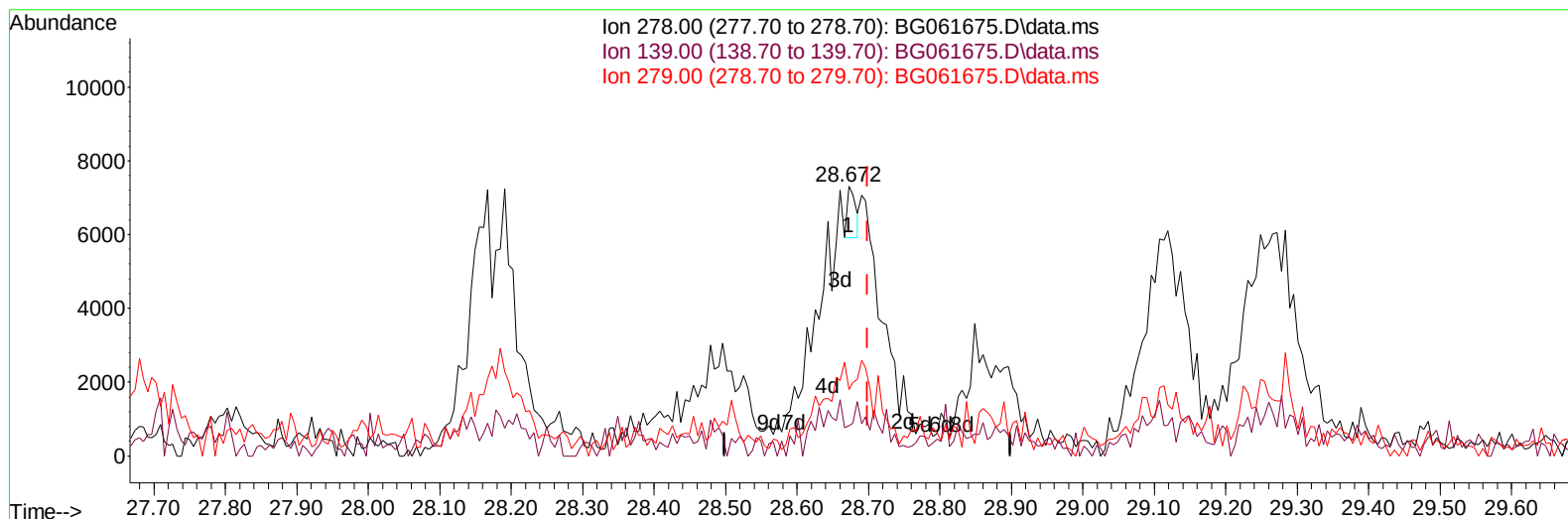
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:50:18 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 06/25/2024

Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

(95) Dibenzo(a,h)anthracene

28.672min (-0.027) 0.03 ng/u1

response 1127

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 11.26  |
| 279.00 | 23.30  | 24.65  |
| 0.00   | 0.00   | 0.00   |

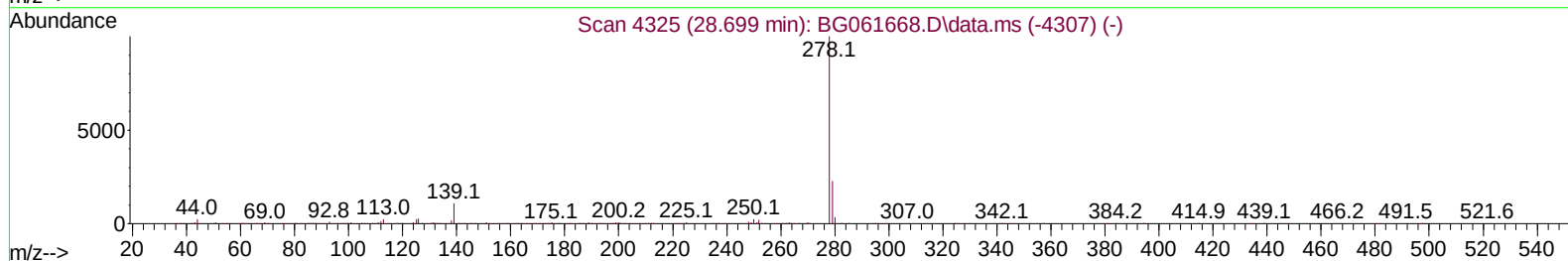
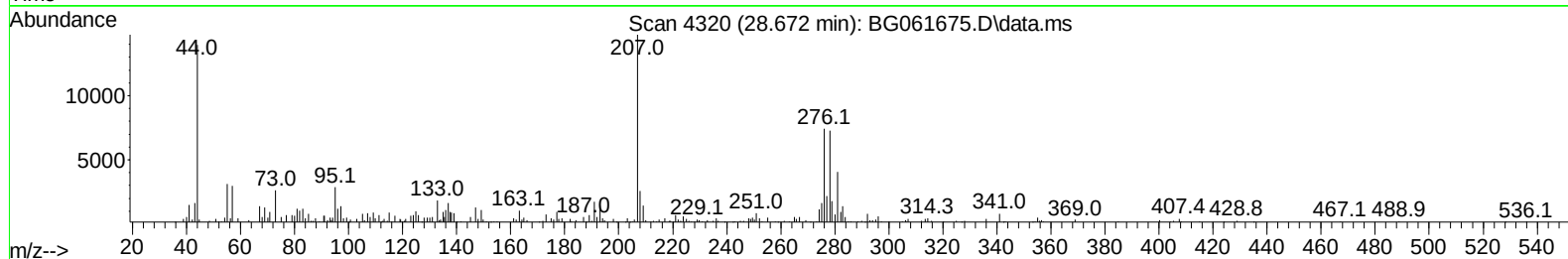
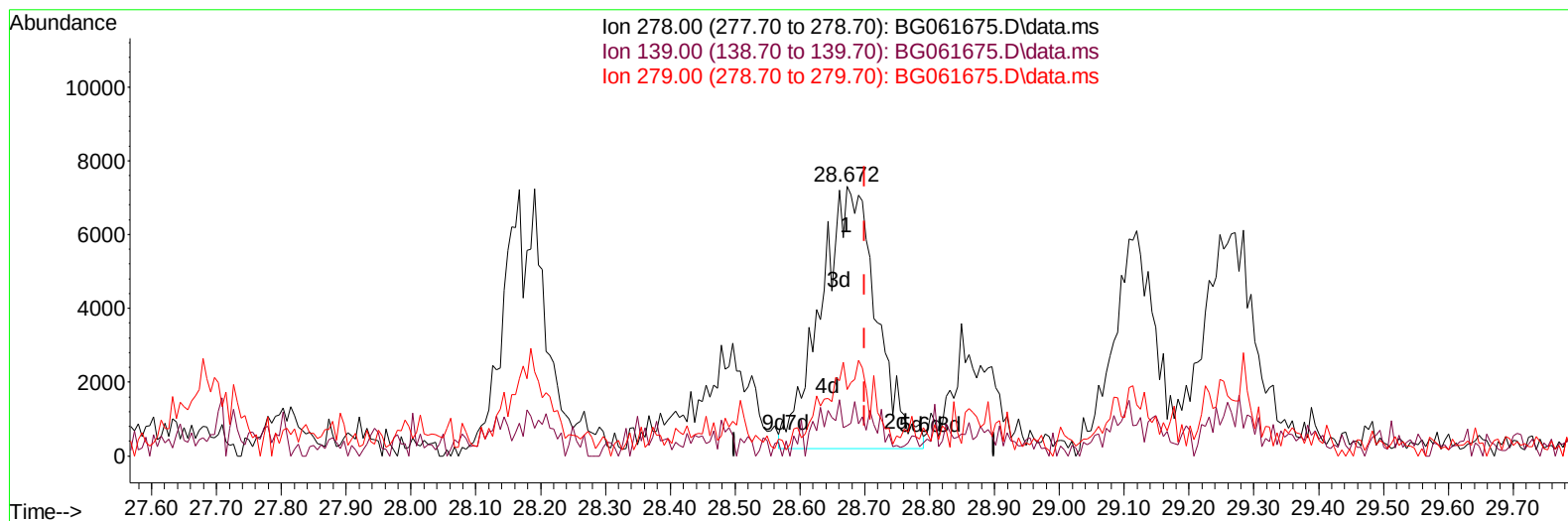
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:50:18 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 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061675.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**28.672min (-0.027) 1.17 ng/ul m**

**response 42837**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 11.26  |
| 279.00 | 23.30  | 24.65  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
 Data File : BG061675.D  
 Acq On : 24 Jun 2024 14:50  
 Operator : MA/JU  
 Sample : P2775-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4BQ3

Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:51:06 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 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.079  | 152  | 66422    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 348908   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.701 | 164  | 261548   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.444 | 188  | 623318   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.710 | 240  | 504813   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.941 | 264  | 609655   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.472  | 96   | 6309     | 3.431  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.215  | 99   | 155115   | 21.512 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.397  | 67   | 112506   | 25.029 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.603  | 132  | 122779   | 24.813 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.766  | 113  | 112154   | 20.120 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.242  | 128  | 65196    | 27.520 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.959  | 143  | 77027    | 32.102 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.500 | 165  | 149890   | 26.382 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.017 | 131  | 83927    | 9.757  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.107 | 166  | 546459   | 27.150 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.395 | 160  | 608783   | 27.600 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.871 | 143  | 74609    | 21.584 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.693 | 176  | 500935   | 28.430 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.793 | 200  | 75668    | 28.389 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.544 | 188  | 781462   | 27.466 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.824 | 212  | 817681   | 28.998 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.718 | 264  | 618021   | 21.225 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.896  | 105  | 11616    | 1.266  | ng/ul# | 74       |
| 72) Phenanthrene              | 17.485 | 178  | 226038   | 6.893  | ng/ul  | 98       |
| 74) Anthracene                | 17.579 | 178  | 36953    | 1.102  | ng/ul  | 95       |
| 80) Fluoranthene              | 19.489 | 202  | 490746   | 14.999 | ng/ul  | 98       |
| 82) Pyrene                    | 19.853 | 202  | 355501   | 10.219 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.686 | 228  | 210295   | 5.935  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.610 | 149  | 72297    | 3.883  | ng/ul  | 92       |
| 87) Chrysene                  | 21.757 | 228  | 238952   | 7.127  | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.919 | 252  | 329597   | 8.994  | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 23.972 | 252  | 110927m  | 2.943  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.789 | 252  | 128059   | 3.630  | ng/ul# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.619 | 276  | 115065m  | 2.617  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.672 | 278  | 42837m   | 1.172  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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Data File : BG061675.D  
Acq On : 24 Jun 2024 14:50  
Operator : MA/JU  
Sample : P2775-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4BQ3

## Manual IntegrationsAPPROVED

Quant Time: Jun 24 15:51:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
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