

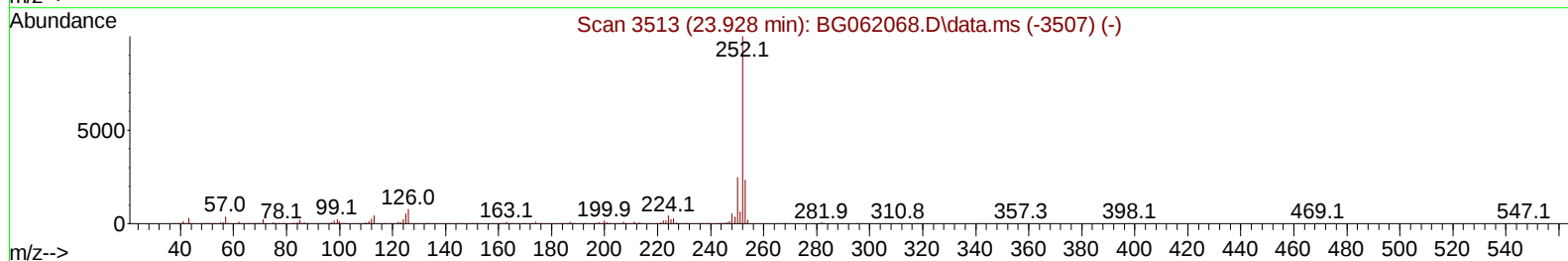
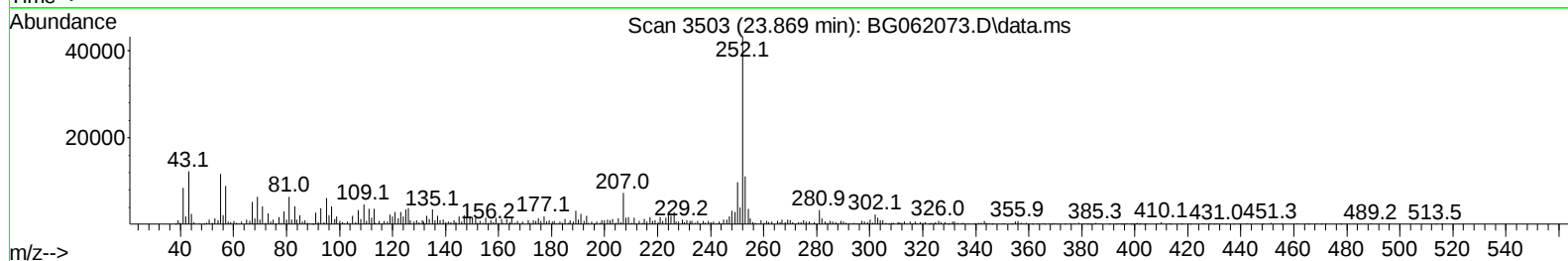
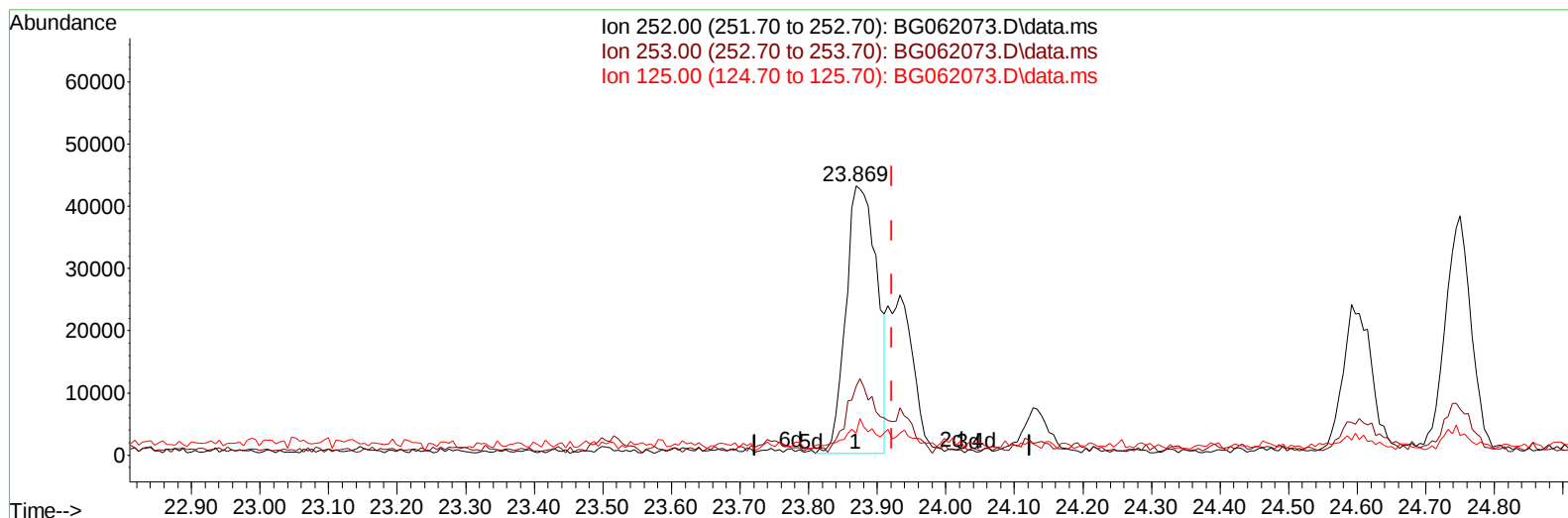
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071524\  
Data File : BG062073.D  
Acq On : 15 Jul 2024 18:01  
Operator : MA/JU  
Sample : P3100-19  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 11 12:11:32 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062073.D\data.ms

(91) Benzo(k)fluoranthene

23.869min (-0.053) 5.87 ng/u1

response 135979

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.10  | 25.68  |
| 125.00 | 7.90   | 8.07   |
| 0.00   | 0.00   | 0.00   |

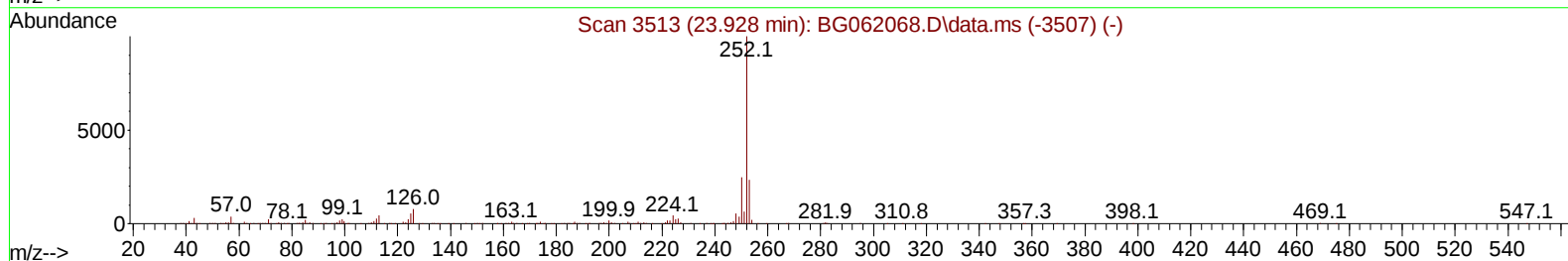
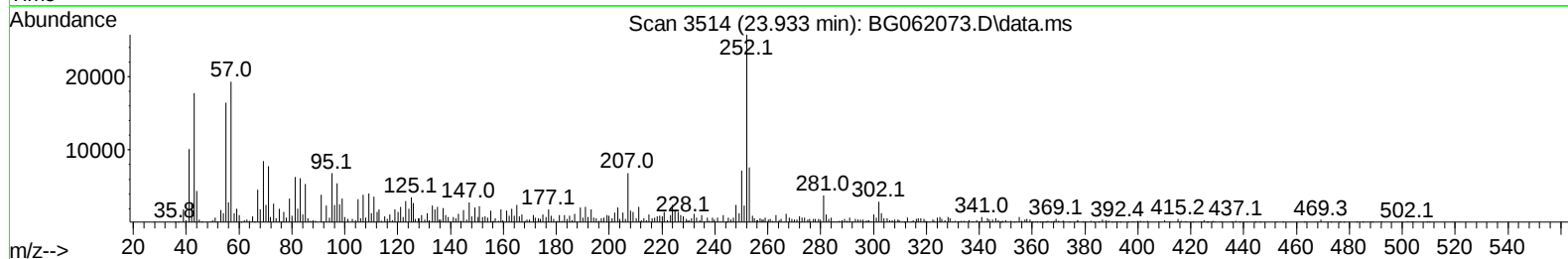
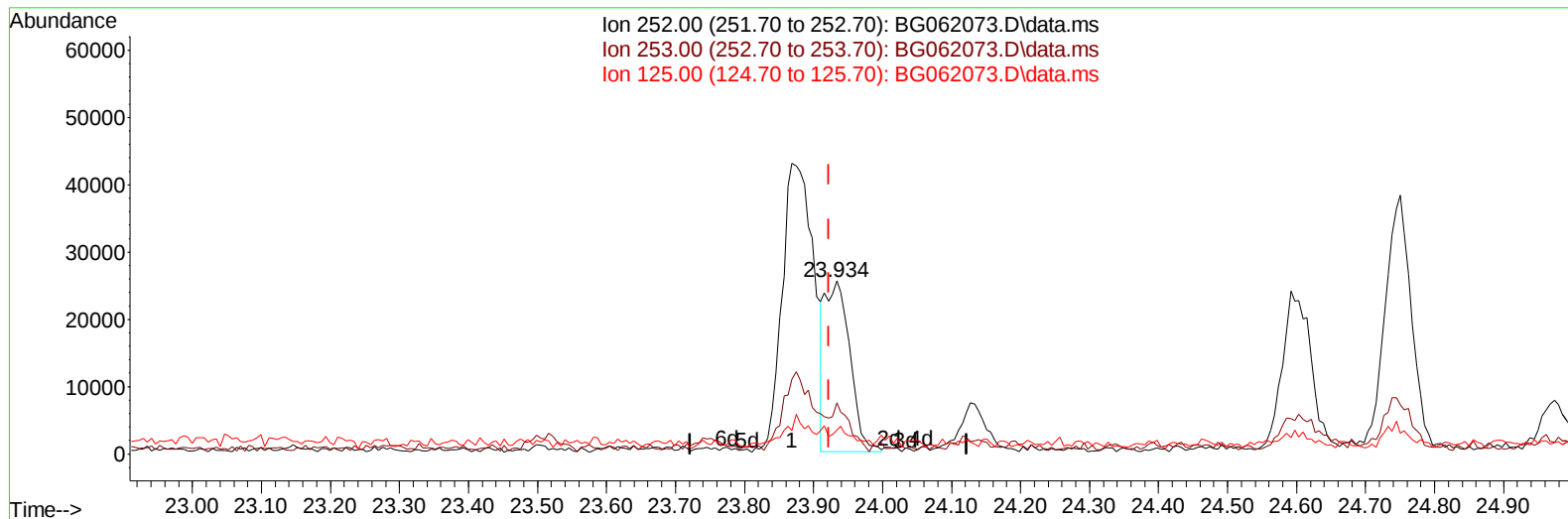
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Manual IntegrationsAPPROVED

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TIC: BG062073.D\data.ms

(91) Benzo(k)fluoranthene

23.933min (+ 0.011) 2.76 ng/u1 m

response 63881

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.10  | 29.75# |
| 125.00 | 7.90   | 13.73# |
| 0.00   | 0.00   | 0.00   |

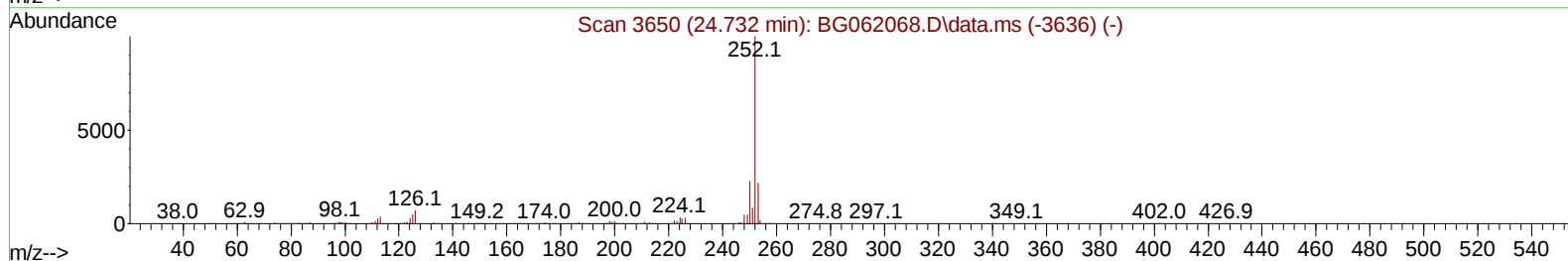
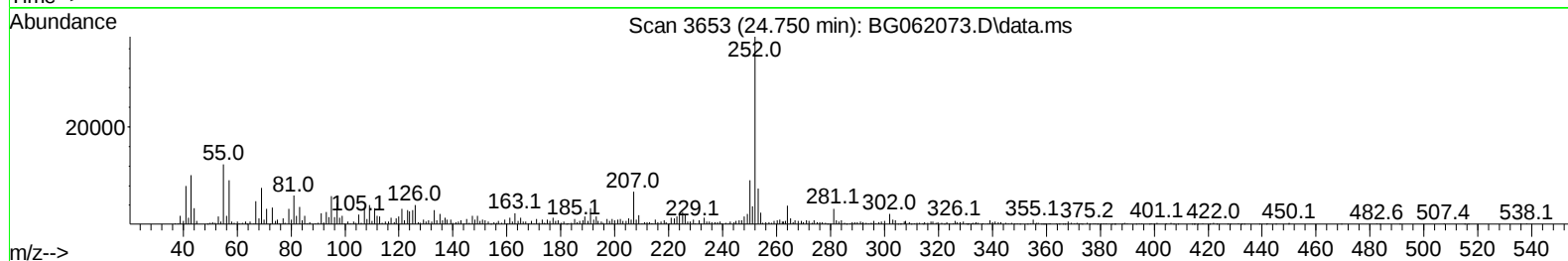
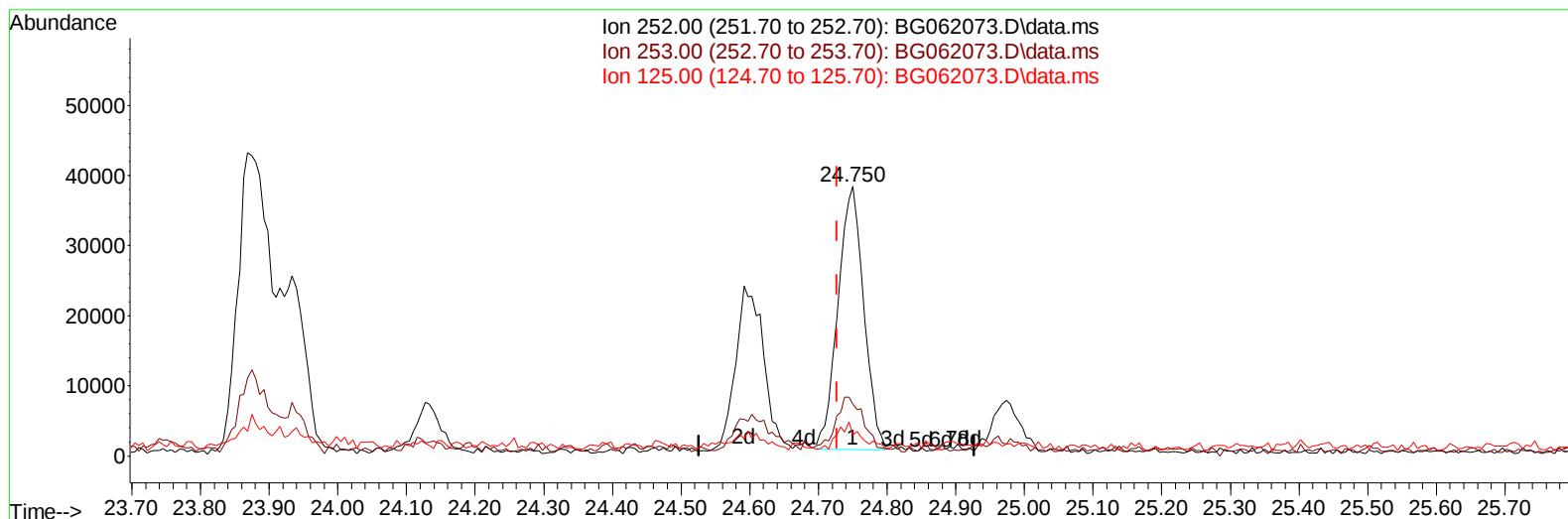
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071524\  
Data File : BG062073.D  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

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TIC: BG062073.D\data.ms

(93) Benzo(a)pyrene (C)

24.750min (+ 0.023) 4.44 ng/u1

response 97550

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.60  | 19.16  |
| 125.00 | 9.30   | 8.00   |
| 0.00   | 0.00   | 0.00   |

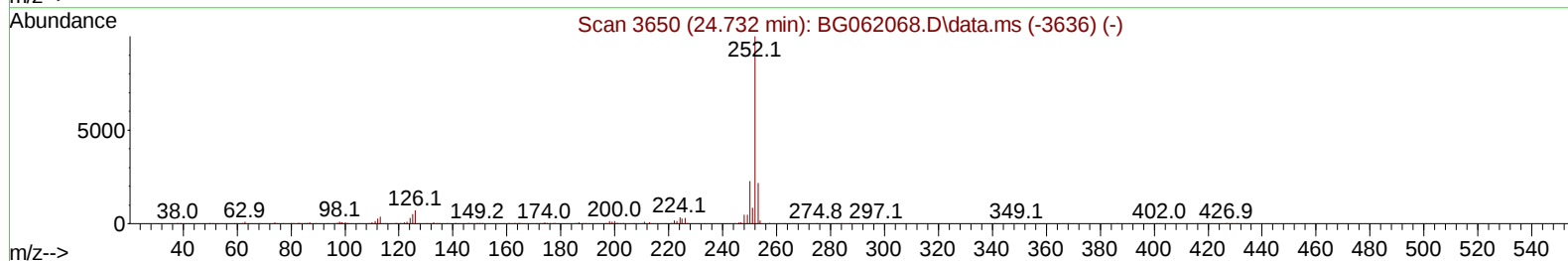
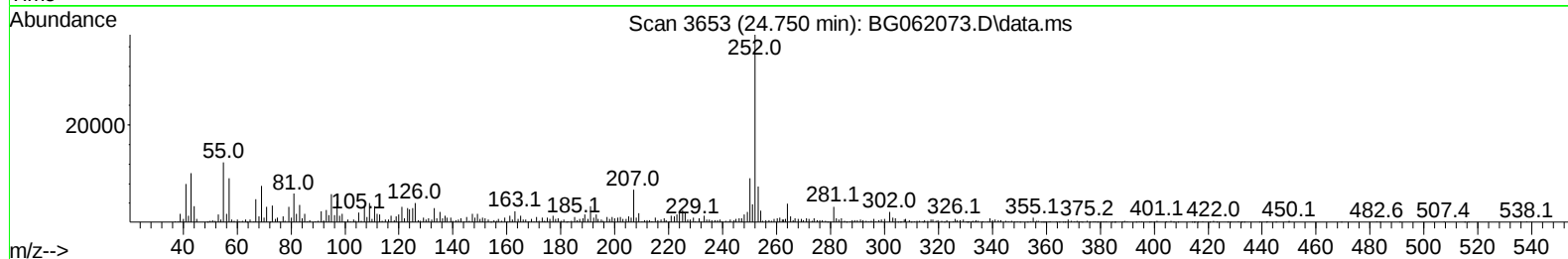
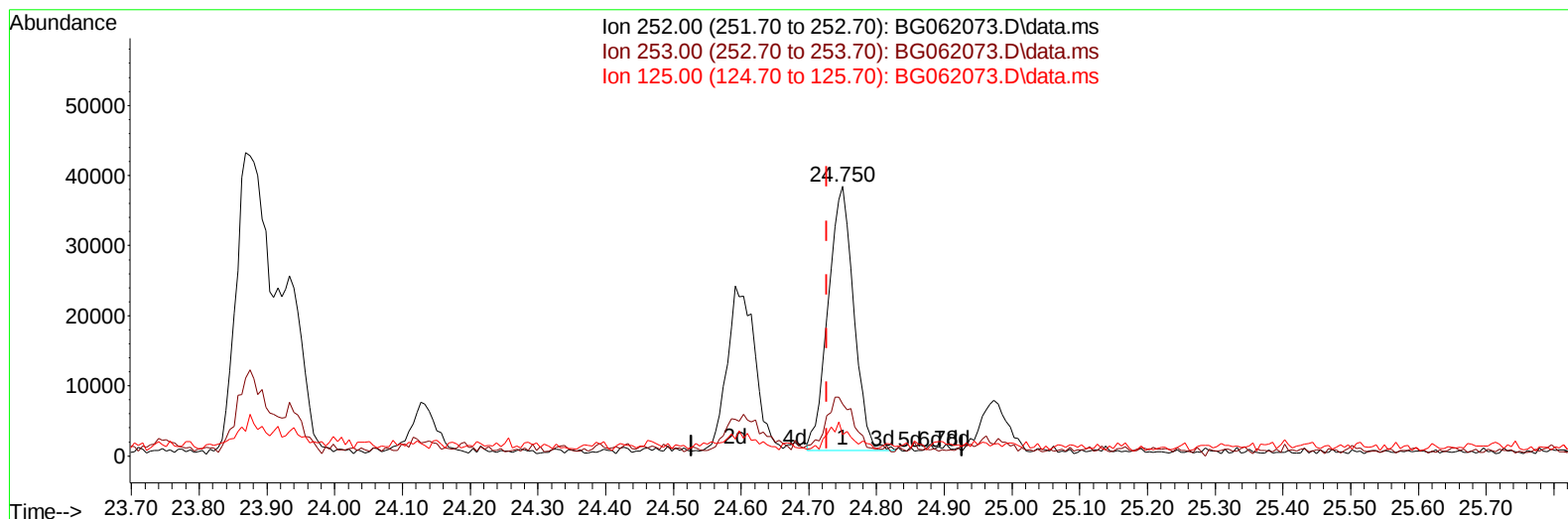
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071524\  
 Data File : BG062073.D  
 Acq On : 15 Jul 2024 18:01  
 Operator : MA/JU  
 Sample : P3100-19  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4D32

Manual IntegrationsAPPROVED

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TIC: BG062073.D\data.ms

**(93) Benzo(a)pyrene (C)**

**24.750min (+ 0.023) 4.50 ng/u1 m**

**response 99053**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.60  | 19.16  |
| 125.00 | 9.30   | 8.00   |
| 0.00   | 0.00   | 0.00   |

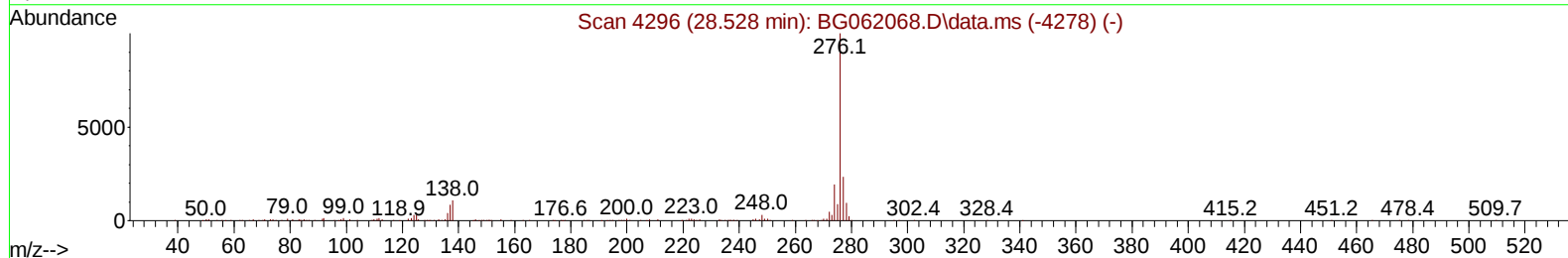
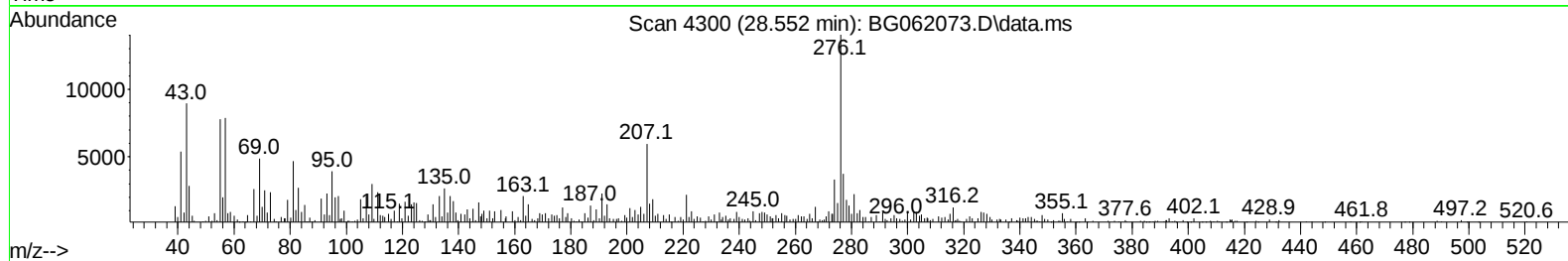
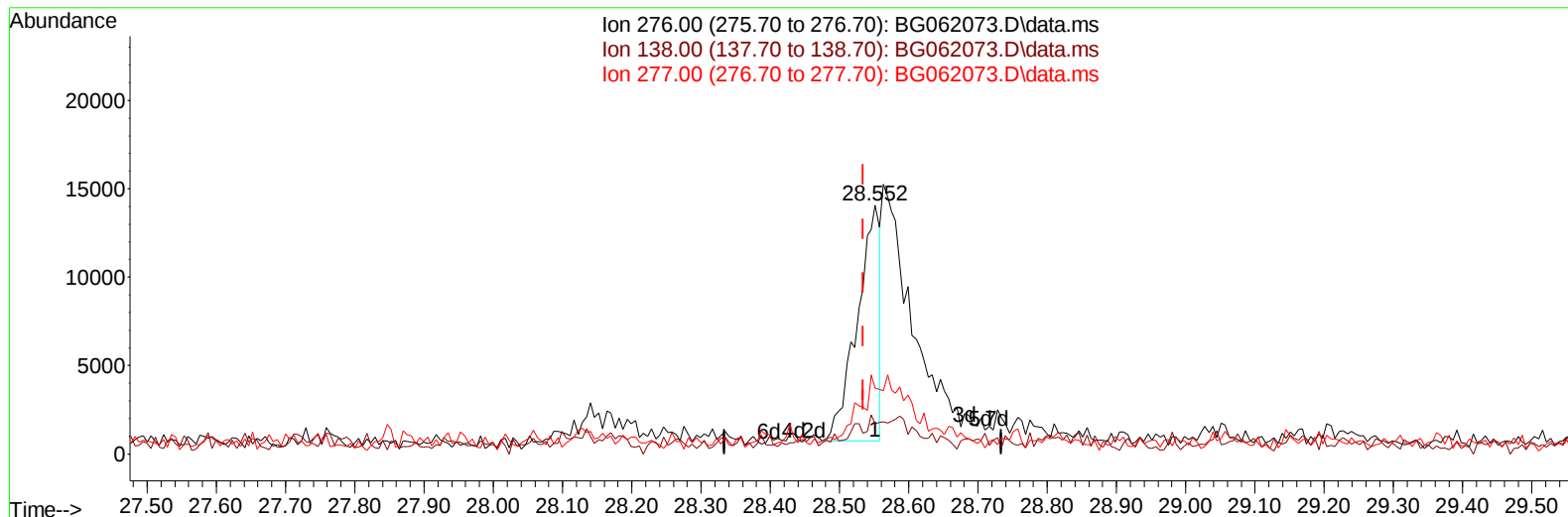
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Data File : BG062073.D  
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Operator : MA/JU  
Sample : P3100-19  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

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TIC: BG062073.D\data.ms

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

**28.552min (+ 0.017) 1.08 ng/u1**

**response 30354**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 12.22  |
| 277.00 | 24.10  | 26.44  |
| 0.00   | 0.00   | 0.00   |

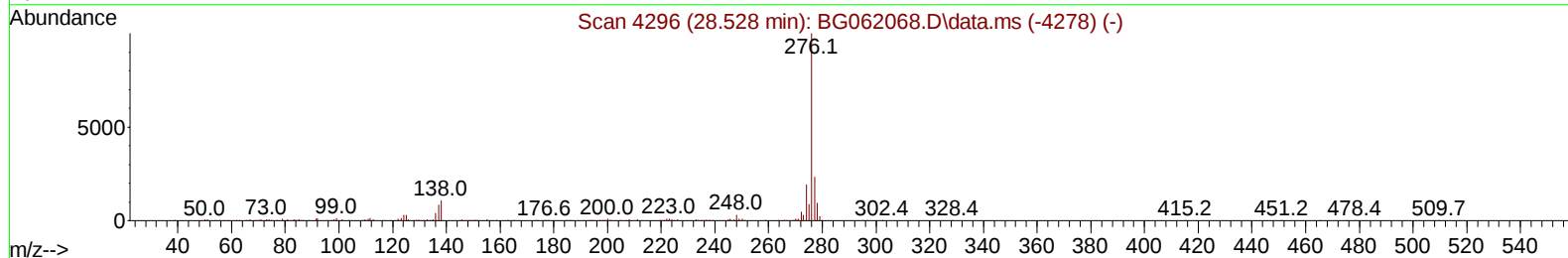
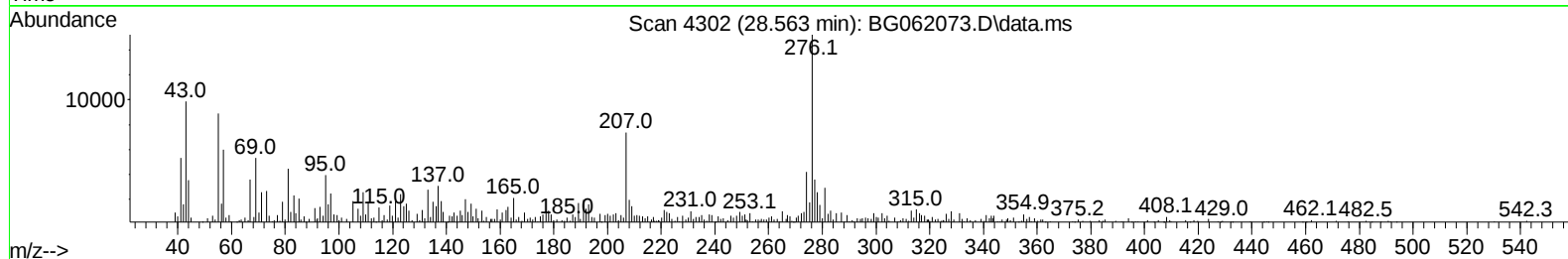
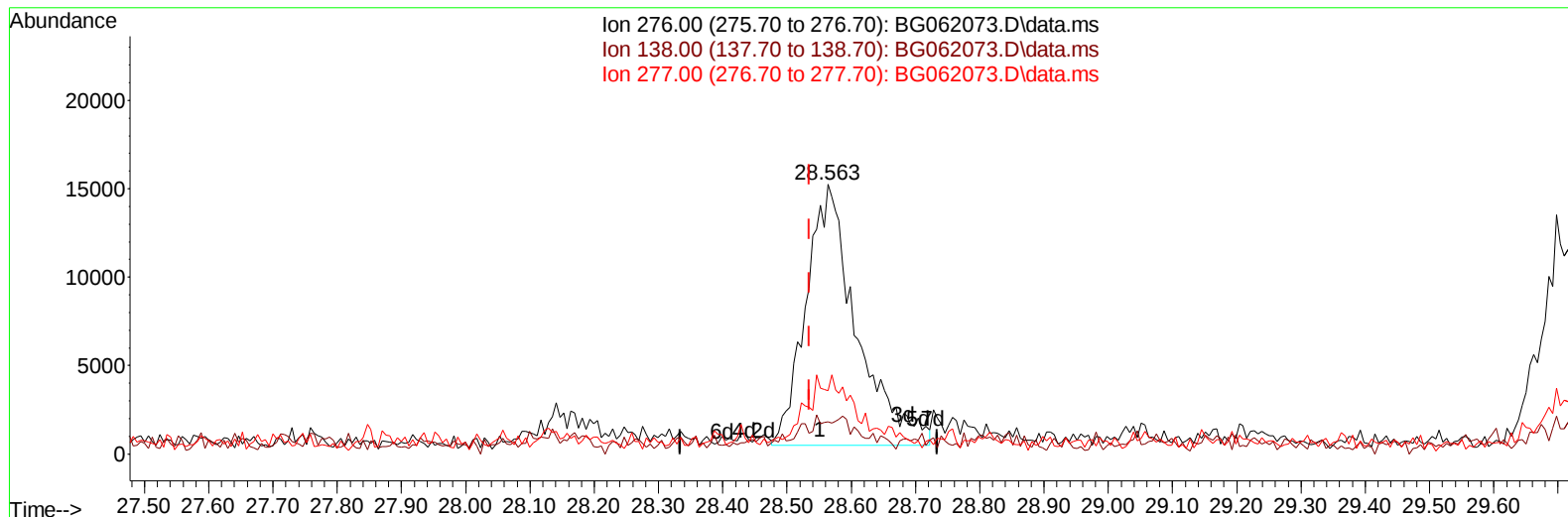
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071524\  
Data File : BG062073.D  
Acq On : 15 Jul 2024 18:01  
Operator : MA/JU  
Sample : P3100-19  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062073.D\data.ms

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

28.563min (+ 0.029) 2.88 ng/u1 m

response 81047

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 11.91# |
| 277.00 | 24.10  | 23.45  |
| 0.00   | 0.00   | 0.00   |

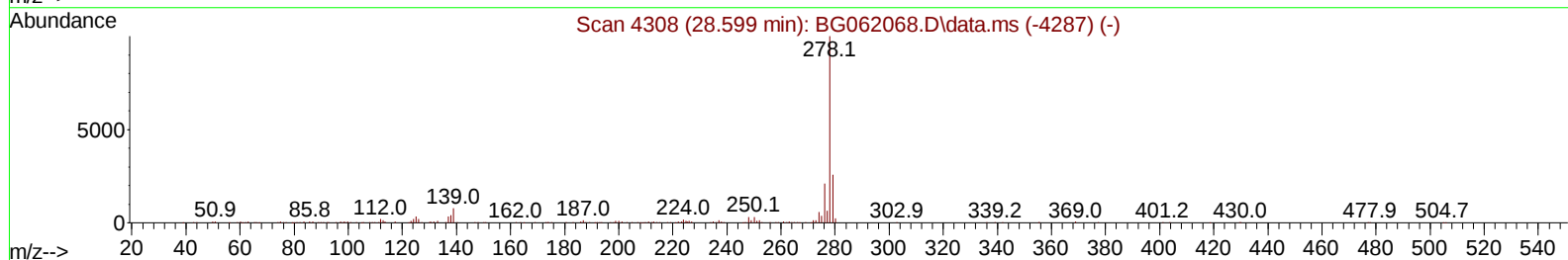
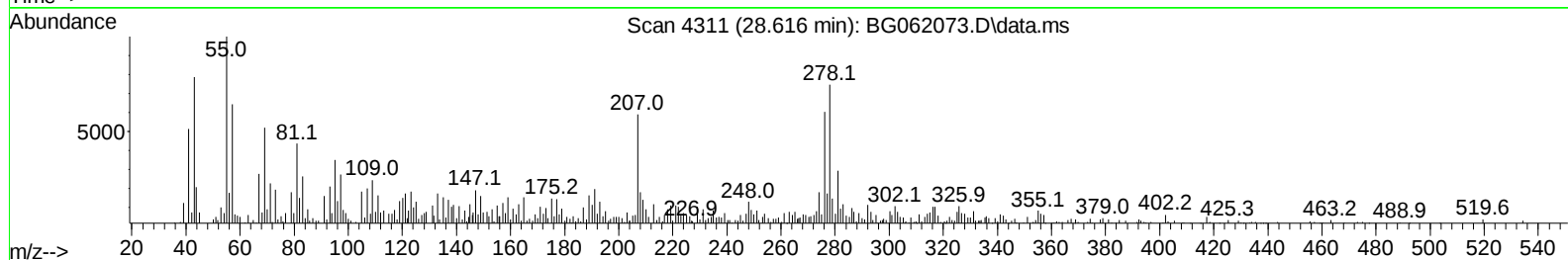
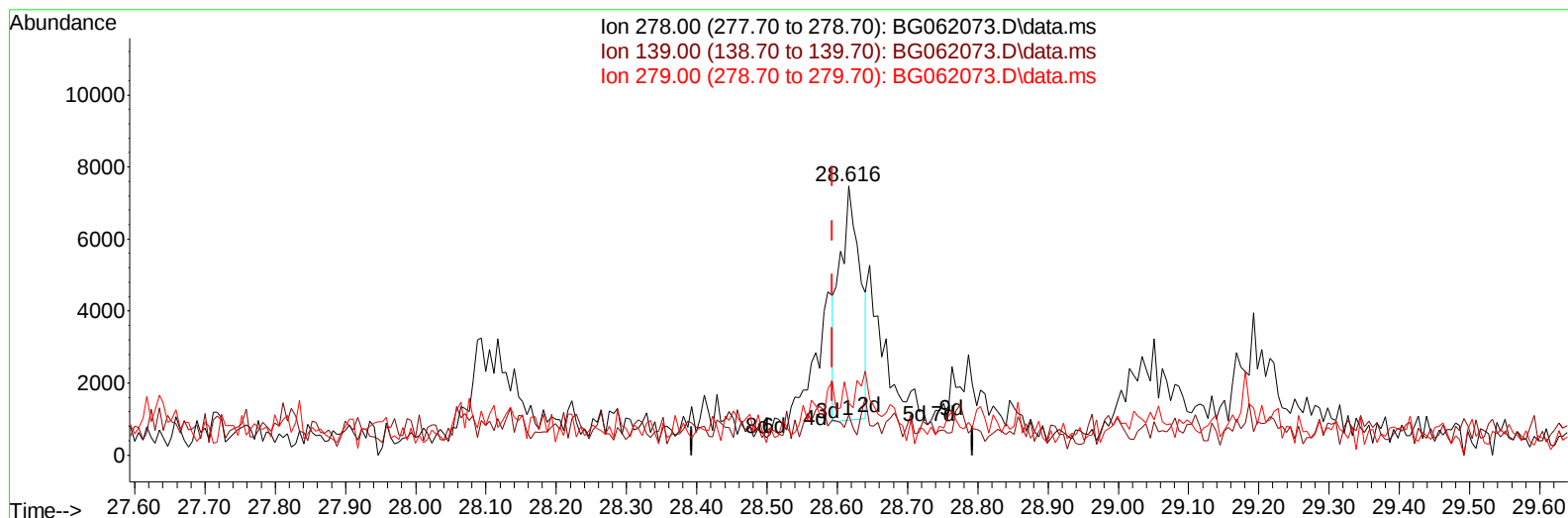
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Data File : BG062073.D  
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Operator : MA/JU  
Sample : P3100-19  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:31:07 2024  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration

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TIC: BG062073.D\data.ms

(95) Dibenzo(a,h)anthracene

28.616min (+ 0.023) 0.56 ng/u1

response 12993

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 9.50   | 14.90# |
| 279.00 | 23.50  | 19.32  |
| 0.00   | 0.00   | 0.00   |

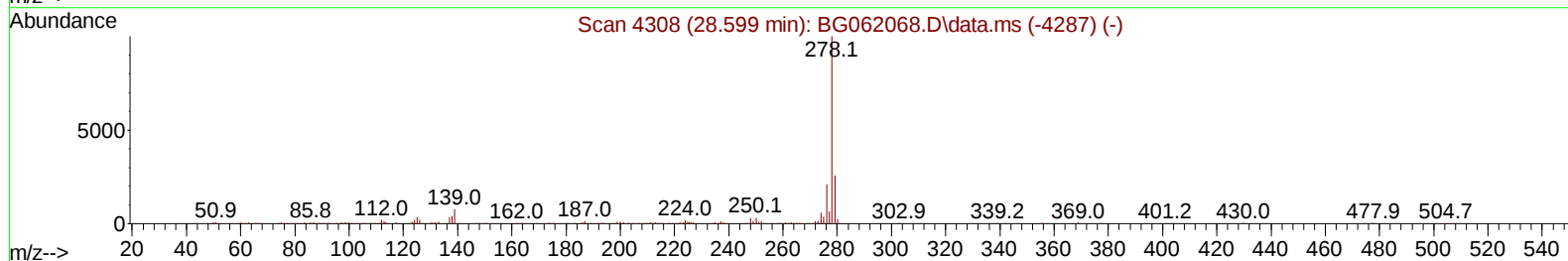
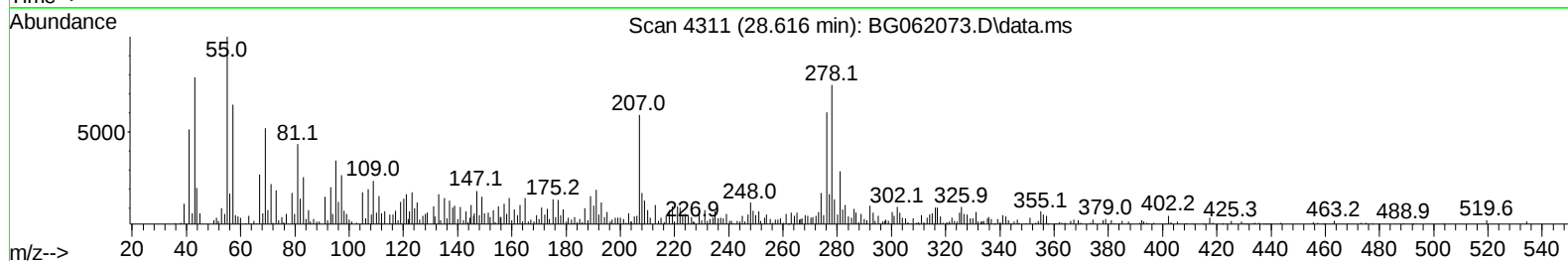
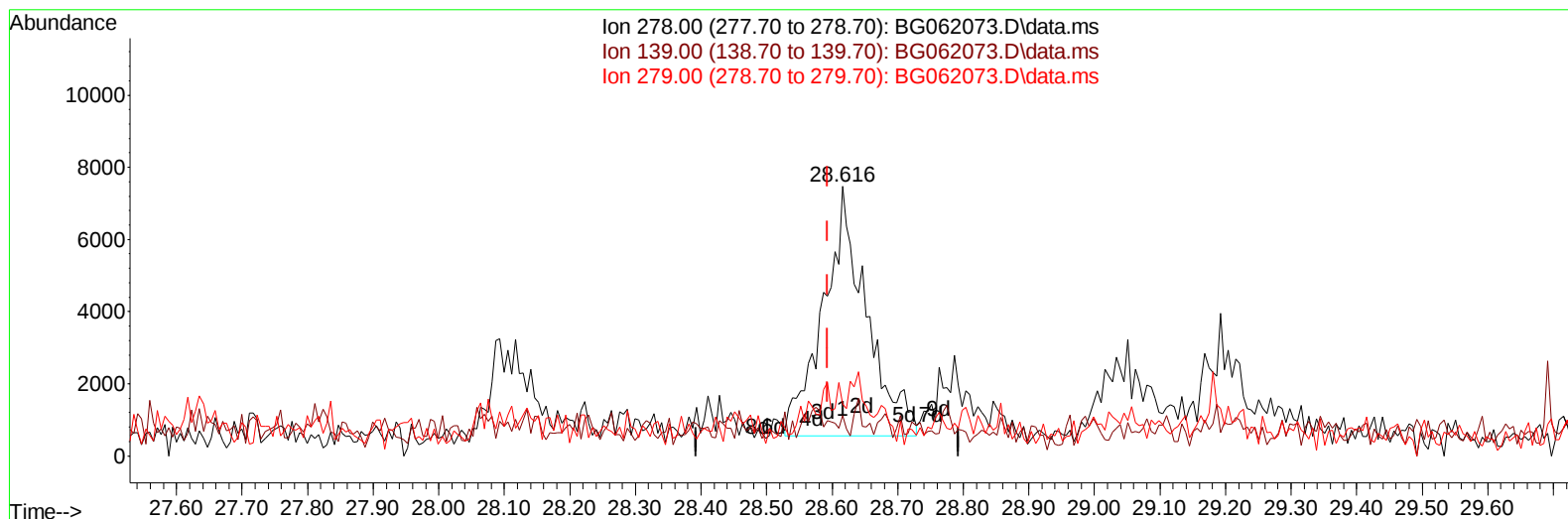
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Data File : BG062073.D  
Acq On : 15 Jul 2024 18:01  
Operator : MA/JU  
Sample : P3100-19  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4D32

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:31:07 2024  
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Supervised By :mohammad ahmed 07/20/2024



TIC: BG062073.D\data.ms

(95) Dibenzo(a,h)anthracene

28.616min (+ 0.023) 1.35 ng/ul m

response 31277

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 9.50   | 14.90# |
| 279.00 | 23.50  | 19.32  |
| 0.00   | 0.00   | 0.00   |

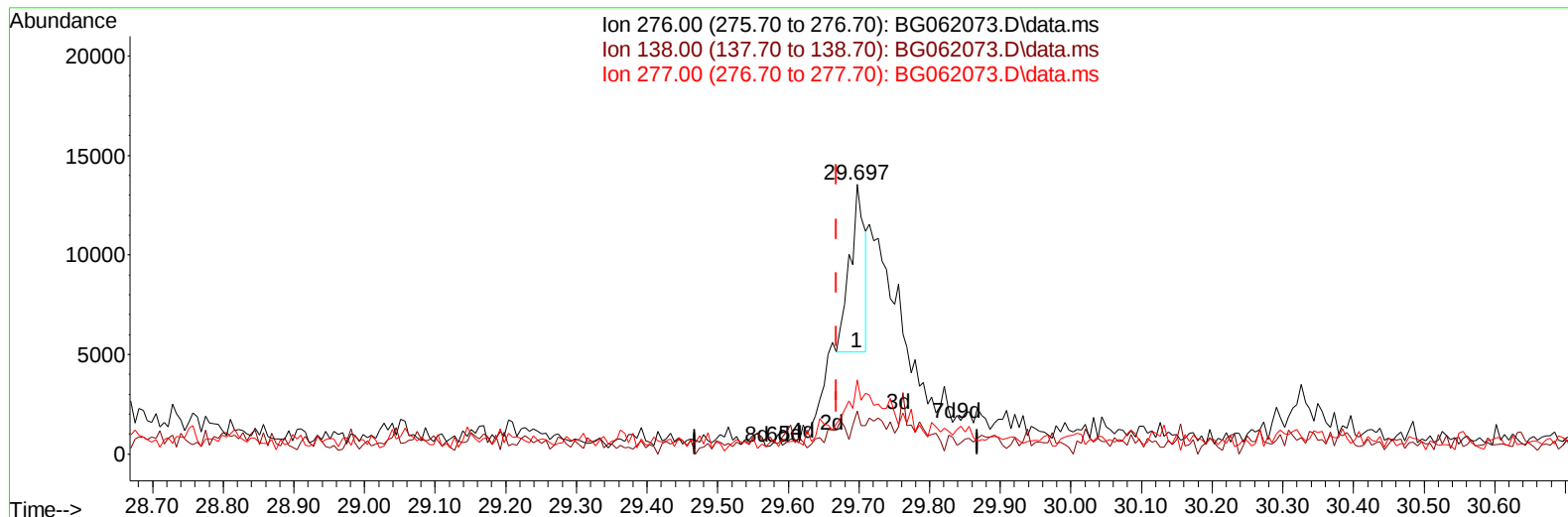
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.040  | 152  | 45380    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.855 | 136  | 212106   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.674 | 164  | 143782   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.423 | 188  | 311509   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.683 | 240  | 287274   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.903 | 264  | 368668   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.440  | 96   | 5470     | 4.530  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.863  | 84   | 79551    | 21.424 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.212  | 99   | 143326   | 28.860 | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.365  | 67   | 79907    | 25.408 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.576  | 132  | 104223   | 30.595 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.757  | 113  | 100363   | 25.667 | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 9.210  | 128  | 54737    | 33.932 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.932  | 143  | 65183    | 35.384 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.479 | 165  | 122823   | 34.567 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.996 | 131  | 25309    | 4.906  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 14.080 | 166  | 379693   | 32.121 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.374 | 160  | 424875   | 34.374 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.891 | 143  | 51351    | 27.203 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.667 | 176  | 330829   | 33.245 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.784 | 200  | 47861    | 29.255 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.517 | 188  | 496655   | 34.149 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.803 | 212  | 552912   | 32.722 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.680 | 264  | 638271   | 34.909 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.465 | 178  | 60510    | 3.684  | ng/ul  | 94       |
| 80) Fluoranthene              | 19.468 | 202  | 162568   | 8.130  | ng/ul# | 92       |
| 82) Pyrene                    | 19.832 | 202  | 135454   | 6.558  | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.660 | 228  | 85059    | 4.089  | ng/ul  | 96       |
| 87) Chrysene                  | 21.730 | 228  | 91507    | 4.700  | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 23.869 | 252  | 135979   | 5.854  | ng/ul  | 93       |
| 91) Benzo(k)fluoranthene      | 23.933 | 252  | 63881m   | 2.758  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.750 | 252  | 99053m   | 4.503  | ng/ul  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 28.563 | 276  | 81047m   | 2.883  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.616 | 278  | 31277m   | 1.347  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.697 | 276  | 72572m   | 3.245  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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