

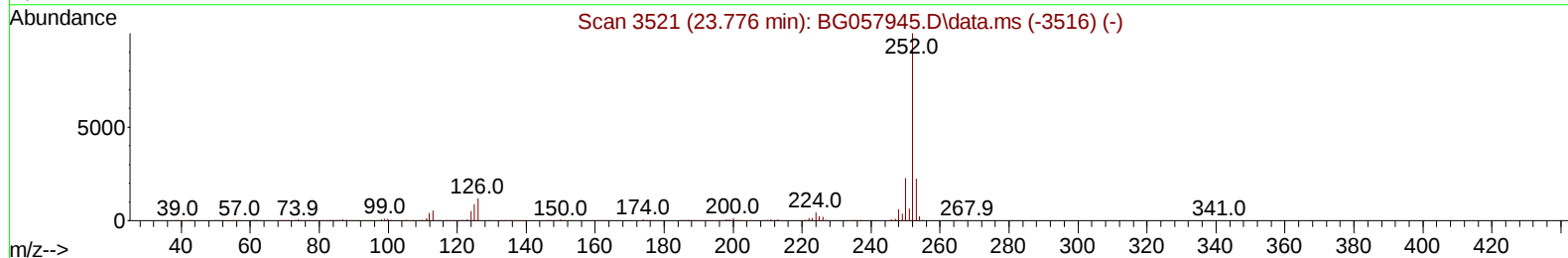
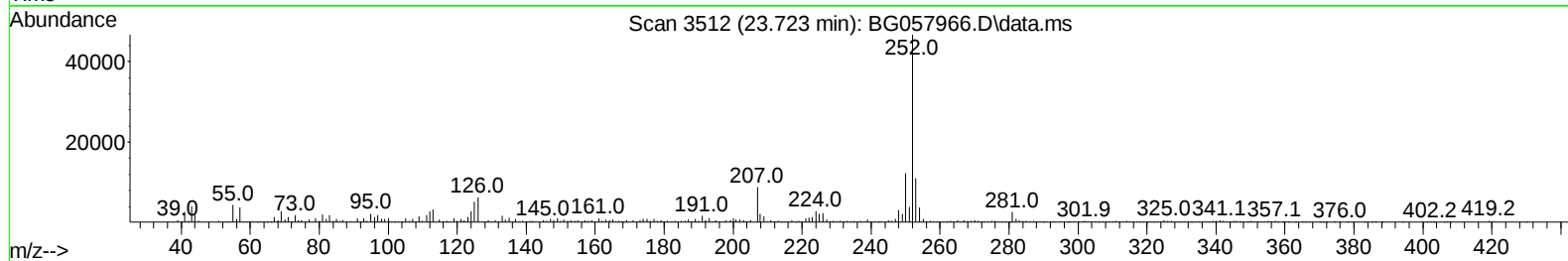
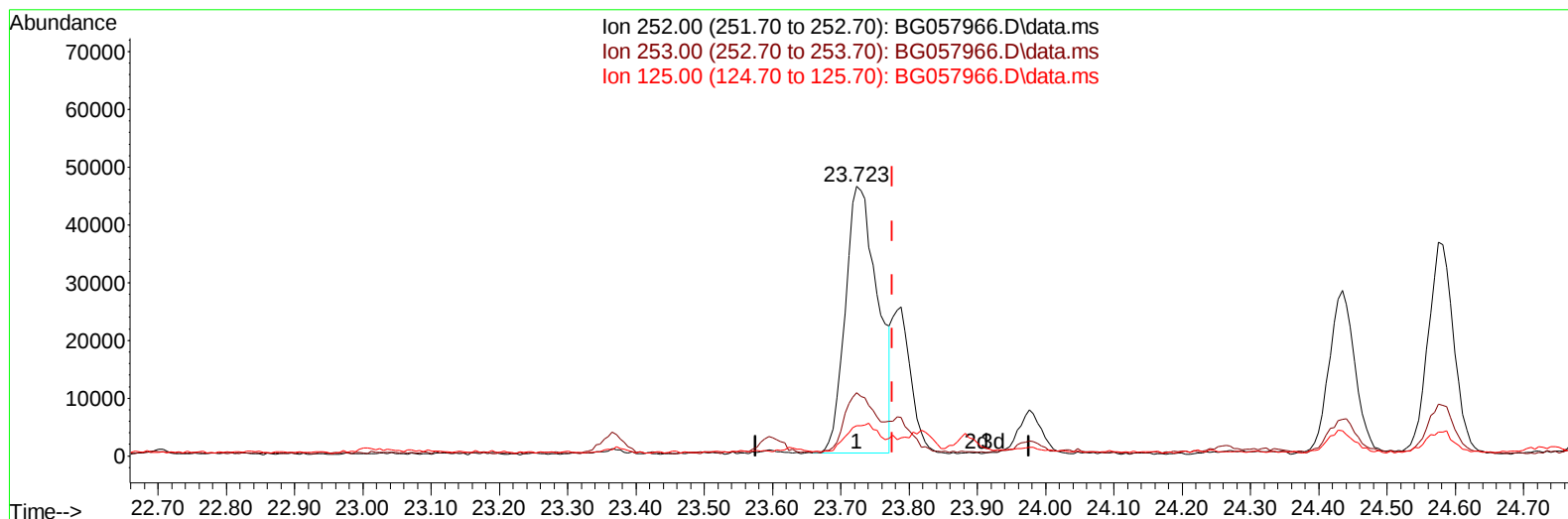
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057966.D  
 Acq On : 3 Jul 2023 22:38  
 Operator : CG/JU  
 Sample : 03247-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCGL5

Manual IntegrationsAPPROVED

Quant Time: Jul 04 04:23:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 02 07:50:15 2023  
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023  
 Supervised By :mohammad ahmed 07/04/2023



TIC: BG057966.D\data.ms

**(91) Benzo(k)fluoranthene**

23.723min (-0.052) 7.65 ng/u1

response 153130

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 23.56  |
| 125.00 | 9.30   | 11.27# |
| 0.00   | 0.00   | 0.00   |

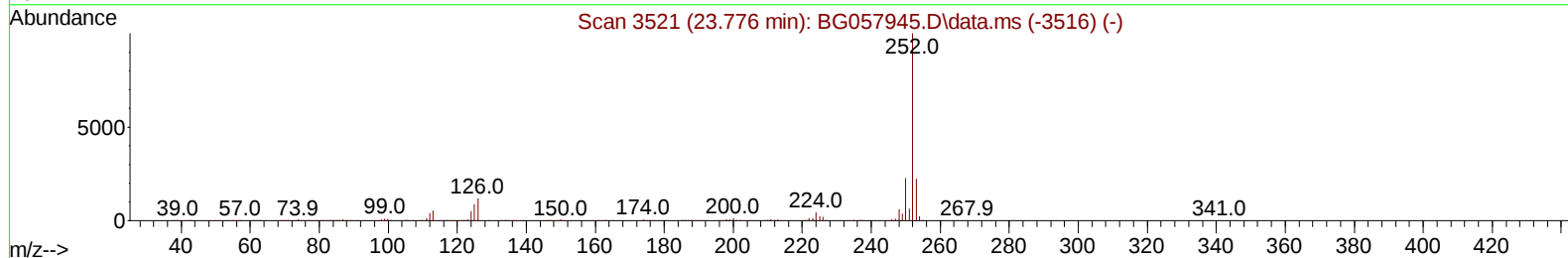
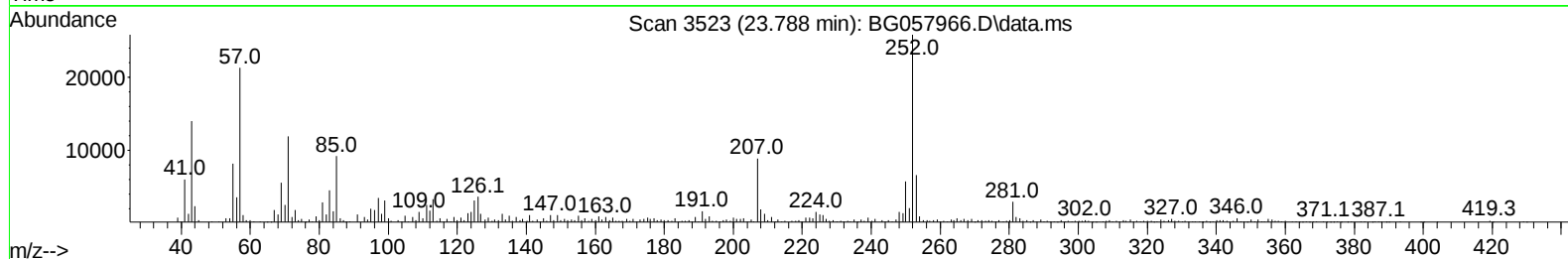
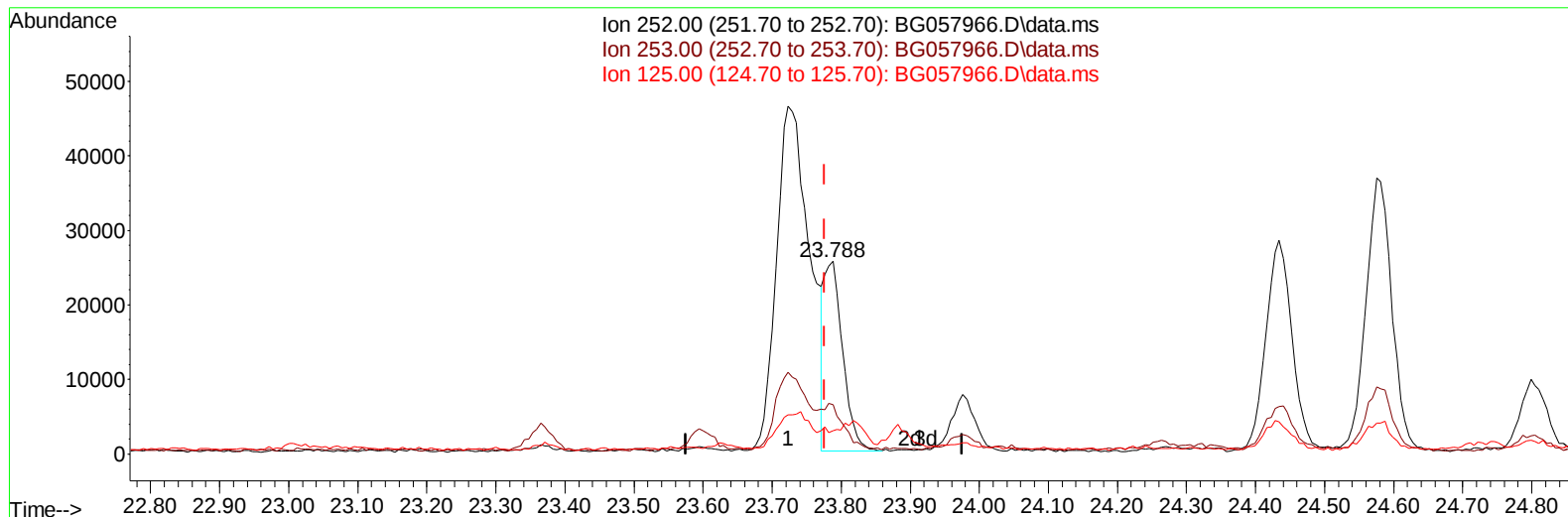
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057966.D  
 Acq On : 3 Jul 2023 22:38  
 Operator : CG/JU  
 Sample : 03247-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCGL5

Manual IntegrationsAPPROVED

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 QLast Update : Sun Jul 02 07:50:15 2023  
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Reviewed By :Sohil Jodhani 07/04/2023  
 Supervised By :mohammad ahmed 07/04/2023



TIC: BG057966.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.788min (+ 0.012) 2.38 ng/u1 m**

**response 47653**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 25.63  |
| 125.00 | 9.30   | 12.14# |
| 0.00   | 0.00   | 0.00   |

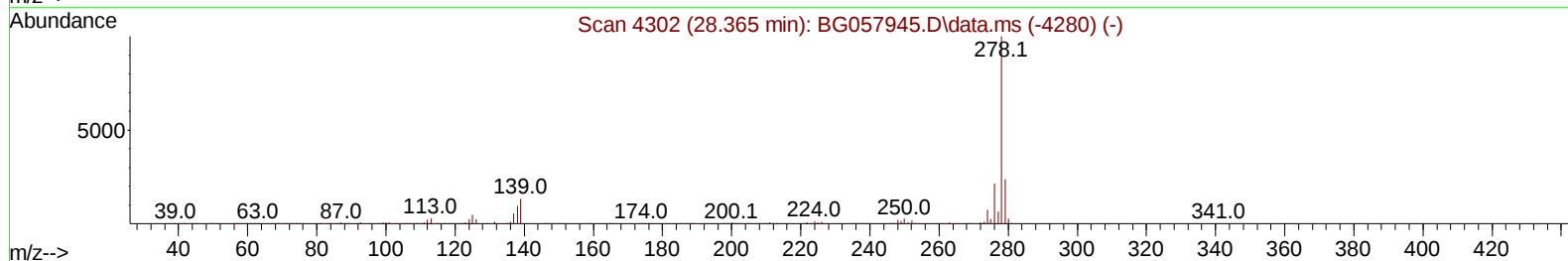
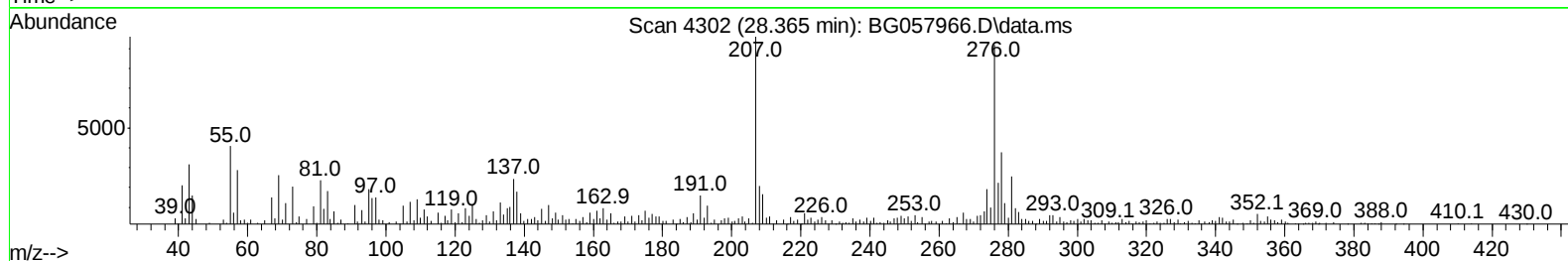
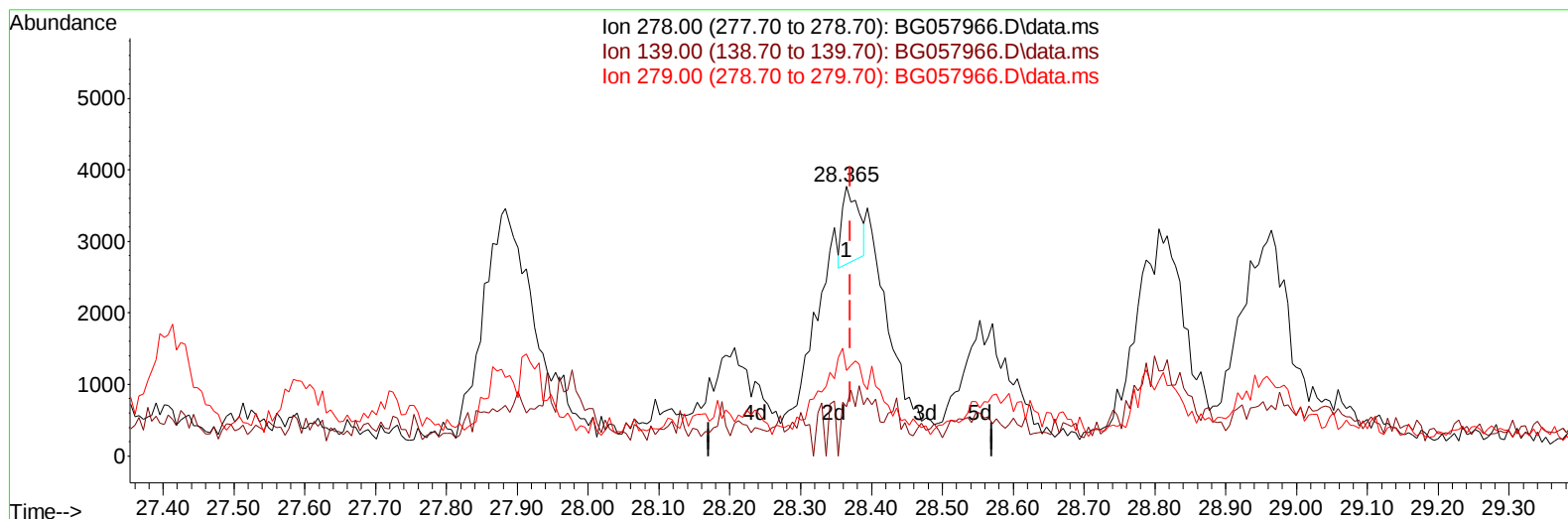
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
Data File : BG057966.D  
Acq On : 3 Jul 2023 22:38  
Operator : CG/JU  
Sample : 03247-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCGL5

Manual IntegrationsAPPROVED

Quant Time: Jul 04 04:24:33 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jul 02 07:50:15 2023  
Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023  
Supervised By :mohammad ahmed 07/04/2023



TIC: BG057966.D\data.ms

(95) Dibenzo(a,h)anthracene

28.365min (-0.005) 0.08 ng/u1

response 1667

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 14.10  | 18.24# |
| 279.00 | 23.60  | 31.67# |
| 0.00   | 0.00   | 0.00   |

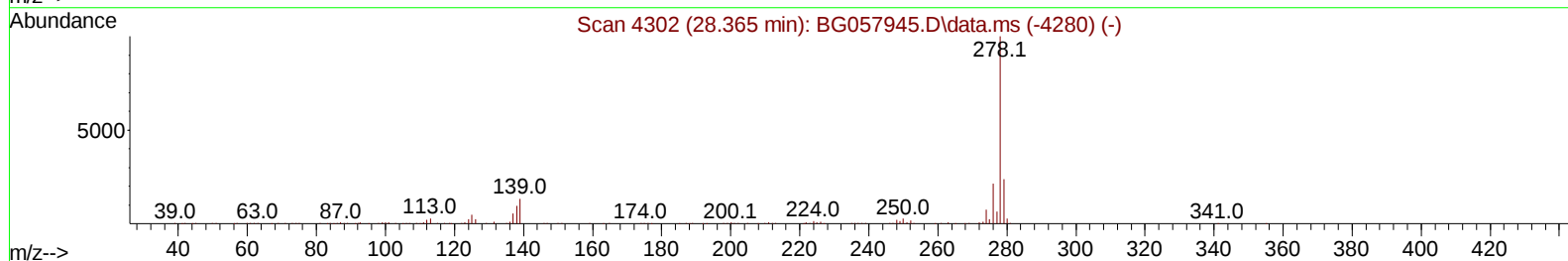
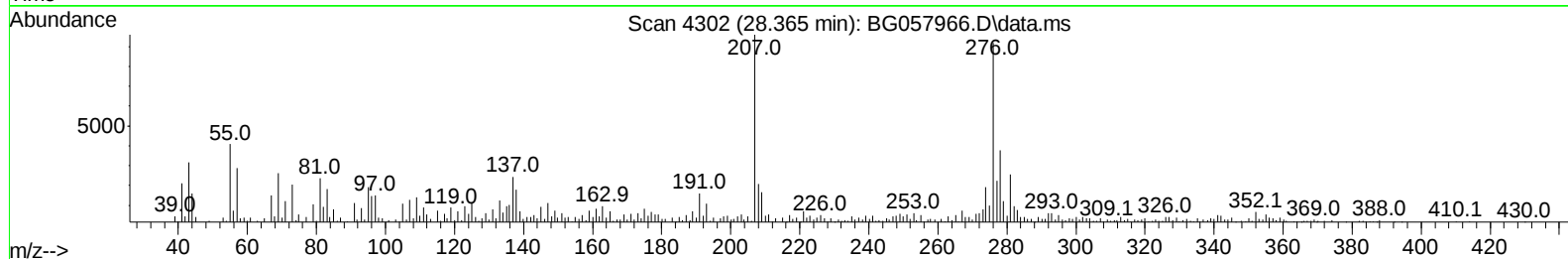
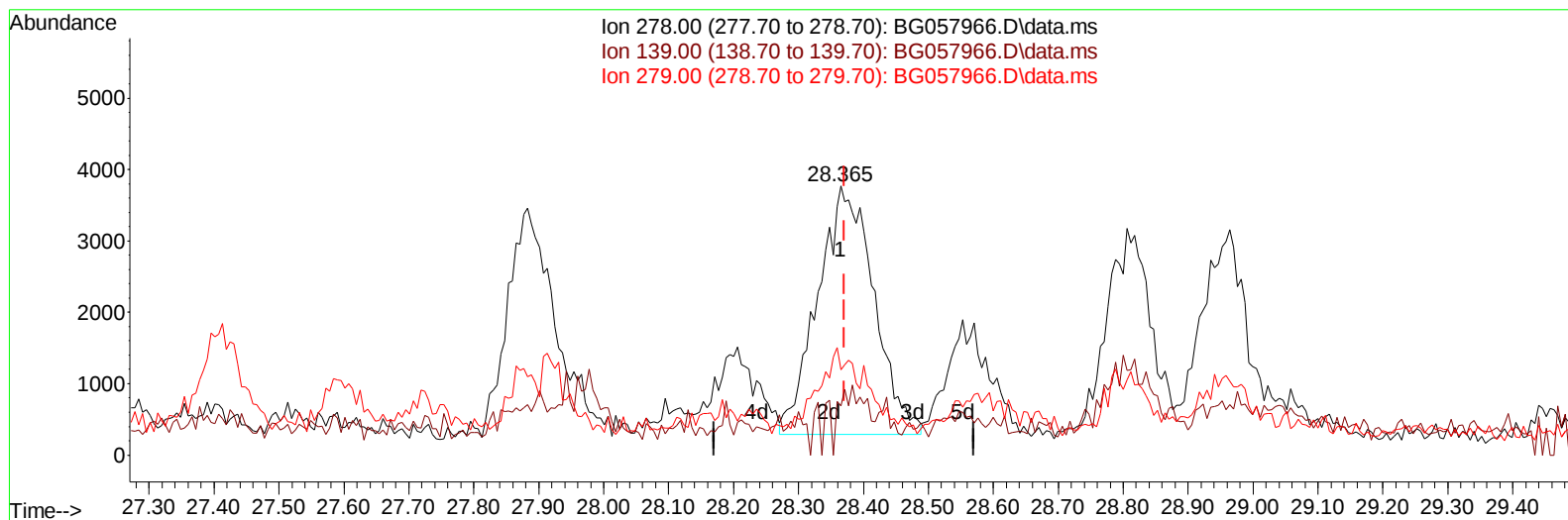
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
Data File : BG057966.D  
Acq On : 3 Jul 2023 22:38  
Operator : CG/JU  
Sample : 03247-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCGL5

Manual IntegrationsAPPROVED

Quant Time: Jul 04 04:24:33 2023  
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Reviewed By :Sohil Jodhani 07/04/2023  
Supervised By :mohammad ahmed 07/04/2023



TIC: BG057966.D\data.ms

(95) Dibenzo(a,h)anthracene

28.365min (-0.005) 1.05 ng/u1 m

response 20815

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 14.10  | 18.24# |
| 279.00 | 23.60  | 31.67# |
| 0.00   | 0.00   | 0.00   |

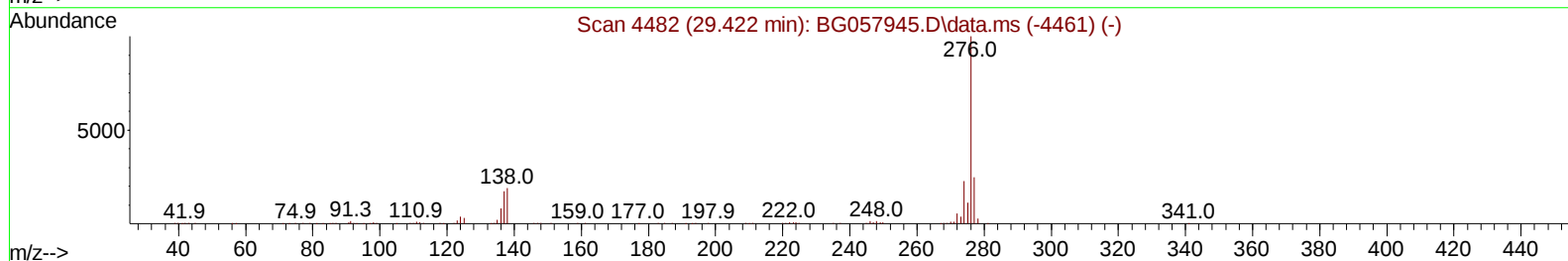
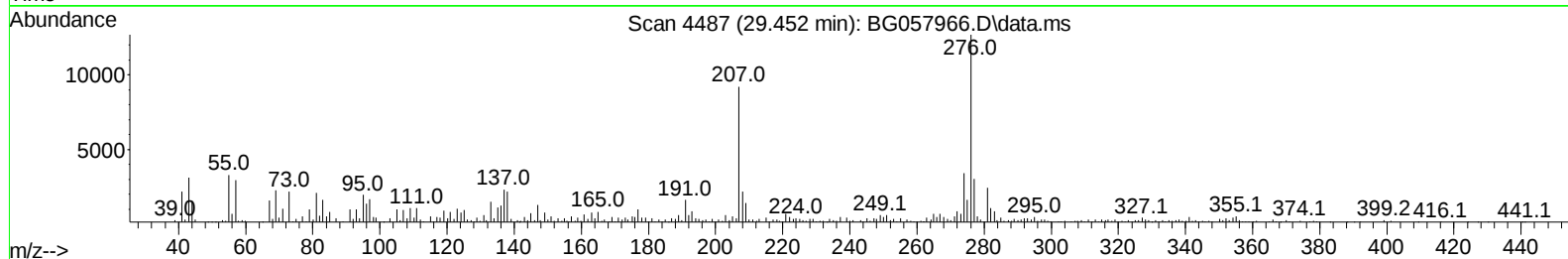
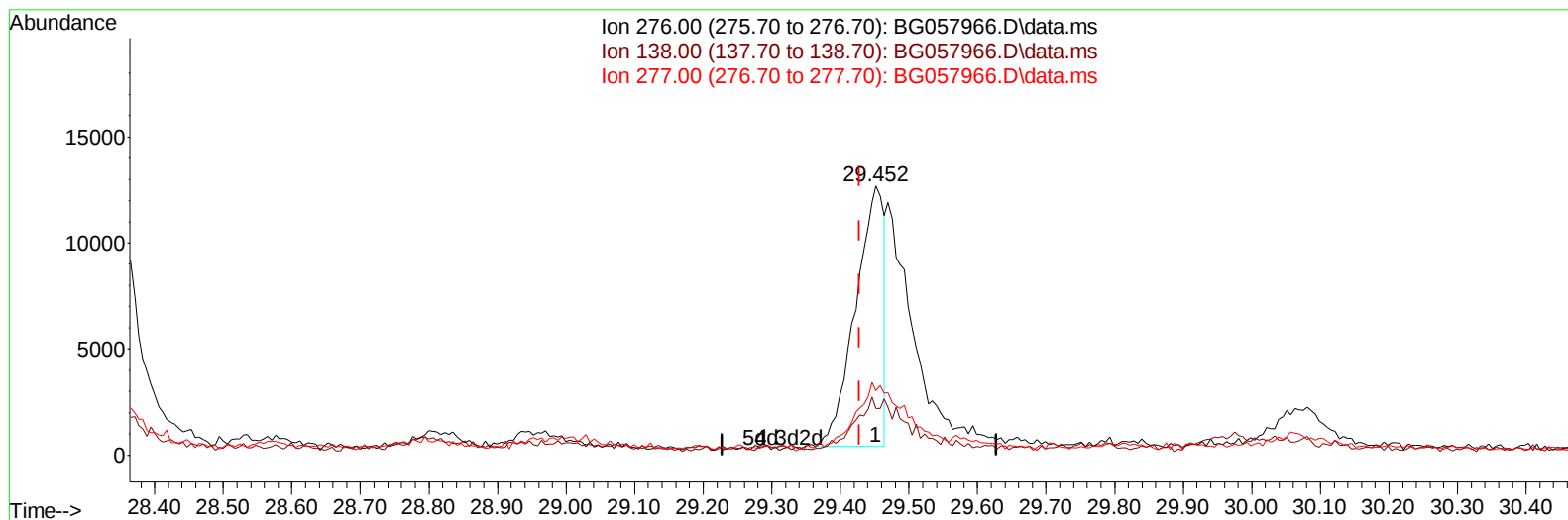
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057966.D  
 Acq On : 3 Jul 2023 22:38  
 Operator : CG/JU  
 Sample : 03247-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCGL5

Manual IntegrationsAPPROVED

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 QLast Update : Sun Jul 02 07:50:15 2023  
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023  
 Supervised By :mohammad ahmed 07/04/2023



TIC: BG057966.D\data.ms

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

**29.452min (+ 0.024) 1.81 ng/u1**

**response 35463**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 17.70  | 17.39  |
| 277.00 | 23.20  | 23.92  |
| 0.00   | 0.00   | 0.00   |

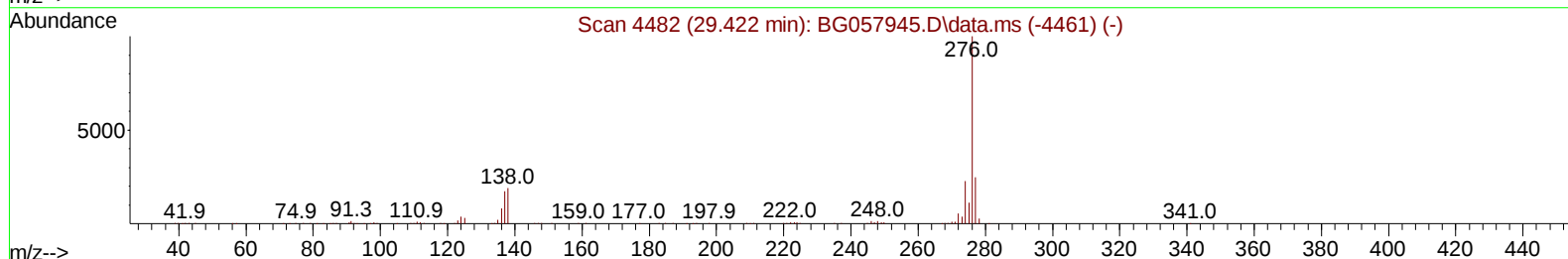
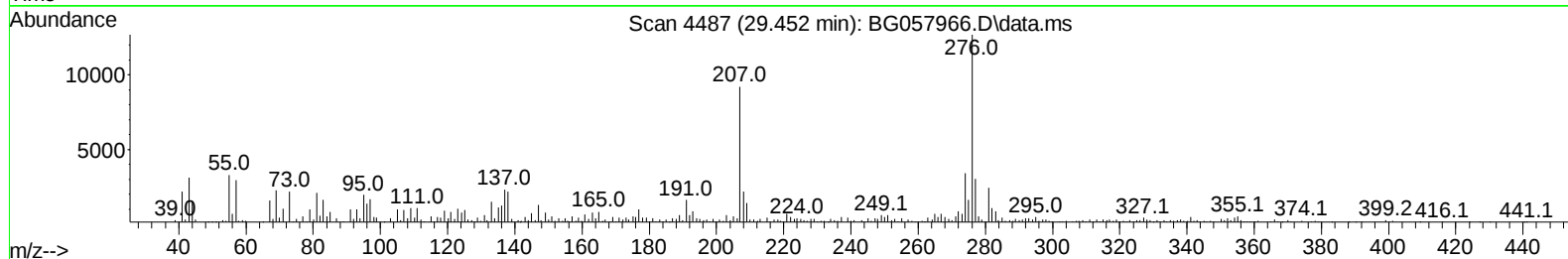
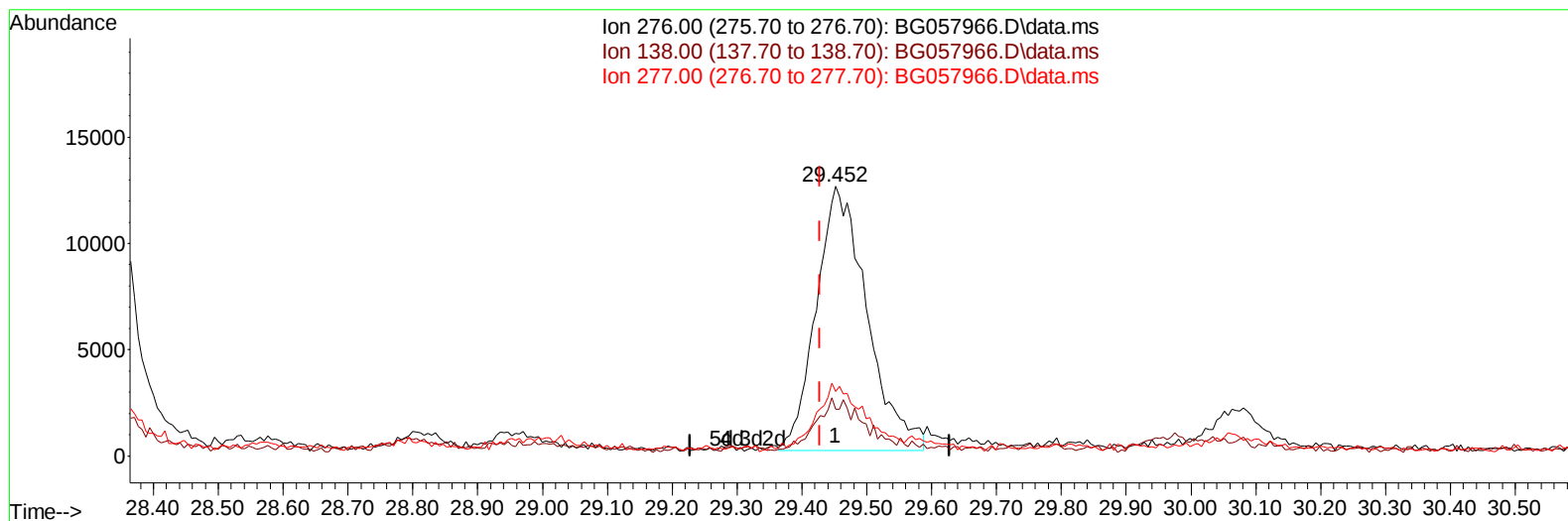
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
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 Operator : CG/JU  
 Sample : 03247-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: Jul 04 04:24:59 2023  
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TIC: BG057966.D\data.ms

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

29.452min (+ 0.024) 3.46 ng/ul m

response 67879

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 17.70  | 17.39  |
| 277.00 | 23.20  | 23.92  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
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 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 DCGL5

Manual IntegrationsAPPROVED

Reviewed By :Sohil Jodhani 07/04/2023  
 Supervised By :mohammad ahmed 07/04/2023

Quant Time: Jul 04 04:25:26 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 02 07:50:15 2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.936  | 152  | 46726    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.739 | 136  | 221332   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.569 | 164  | 151788   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.313 | 188  | 329259   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.567 | 240  | 268672   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.734 | 264  | 329715   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.377  | 96   | 2907     | 2.179  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.102  | 99   | 71446    | 14.972 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.266  | 67   | 46102    | 16.032 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.472  | 132  | 54272    | 16.490 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.641  | 113  | 33740    | 9.371  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.099  | 128  | 28777    | 15.952 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.822  | 143  | 32072    | 16.916 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.363 | 165  | 60742    | 16.701 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.880 | 131  | 16855    | 3.057  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.976 | 166  | 206768   | 17.265 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.264 | 160  | 236976   | 18.133 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.769 | 143  | 29523    | 13.953 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.562 | 176  | 184103   | 18.101 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.674 | 200  | 22588    | 12.634 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.413 | 188  | 249979   | 16.362 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.699 | 212  | 315046   | 18.619 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.511 | 264  | 309605   | 18.431 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.354 | 178  | 122413   | 7.309  | ng/ul  | 100      |
| 74) Anthracene                | 17.442 | 178  | 22810    | 1.346  | ng/ul  | 96       |
| 80) Fluoranthene              | 19.364 | 202  | 196016   | 9.997  | ng/ul# | 91       |
| 82) Pyrene                    | 19.728 | 202  | 164075   | 8.313  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.549 | 228  | 100713   | 5.221  | ng/ul  | 99       |
| 87) Chrysene                  | 21.614 | 228  | 99672    | 5.512  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.723 | 252  | 153130   | 7.501  | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.788 | 252  | 47653m   | 2.381  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.575 | 252  | 94697    | 5.241  | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.330 | 276  | 75653    | 3.153  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.365 | 278  | 20815m   | 1.052  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.452 | 276  | 67879m   | 3.463  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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