

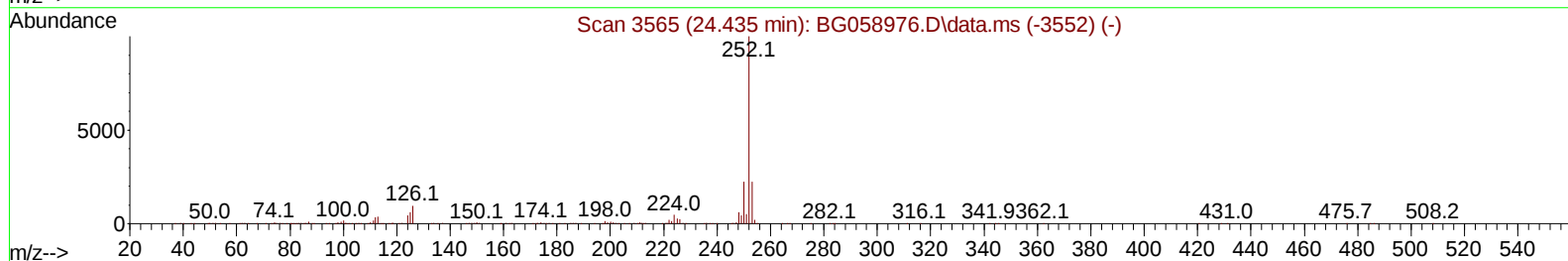
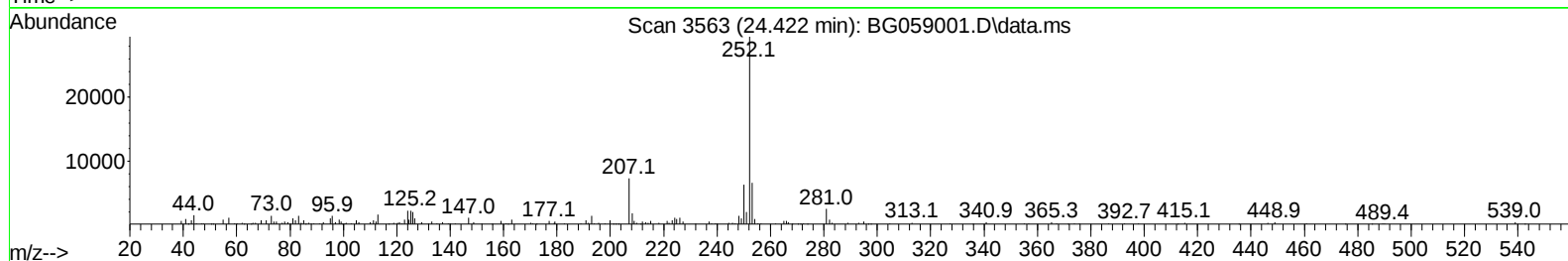
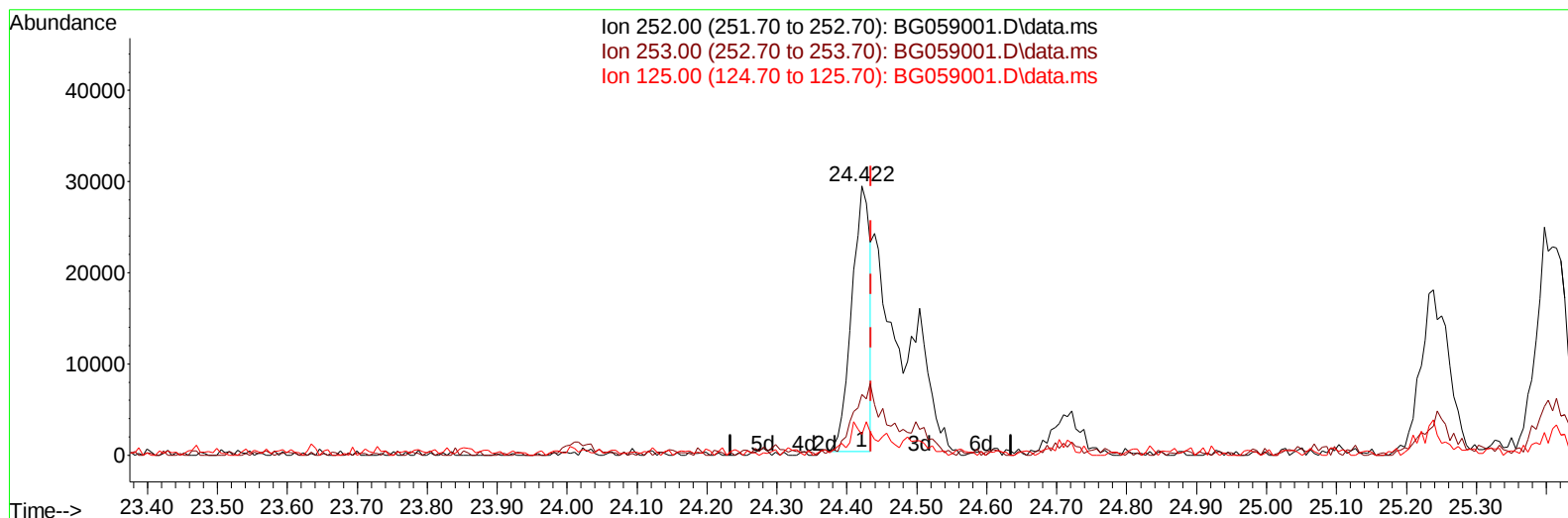
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
Data File : BG059001.D  
Acq On : 12 Sep 2023 4:26  
Operator : MA/JU  
Sample : 04235-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:20:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 00:07:05 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

**(90) Benzo(b)fluoranthene**

**24.422min (-0.013) 1.15 ng/u1**

**response 52883**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 22.52  |
| 125.00 | 7.70   | 7.70   |
| 0.00   | 0.00   | 0.00   |

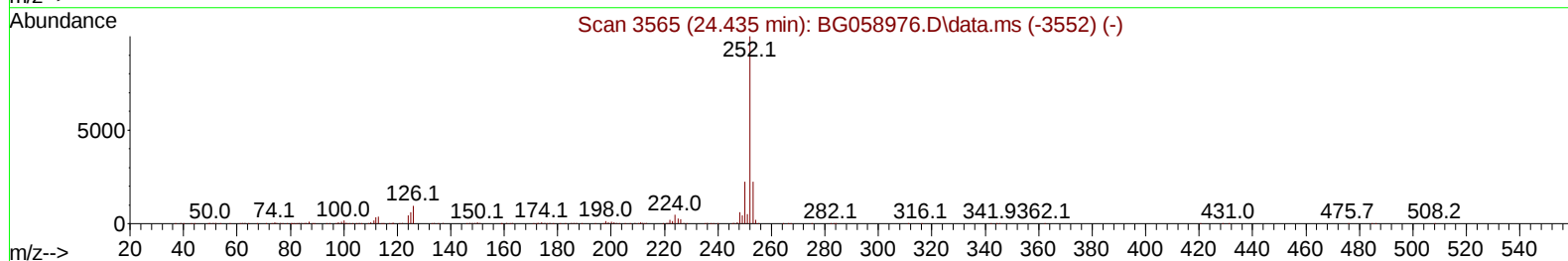
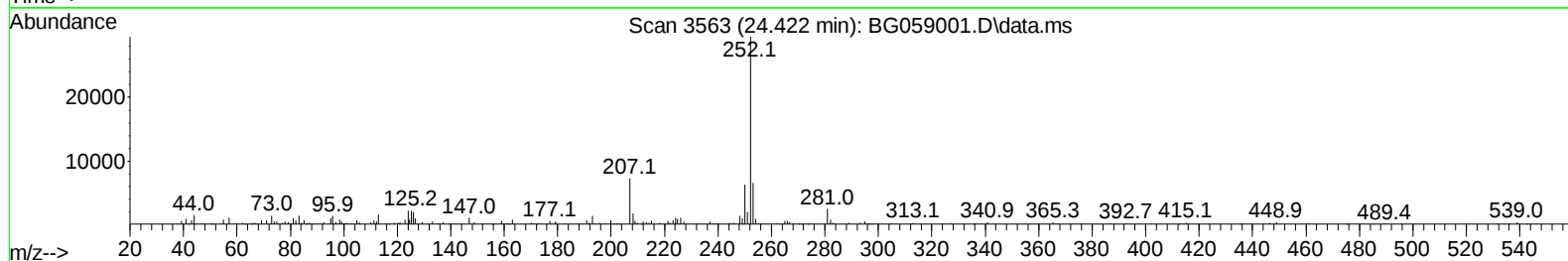
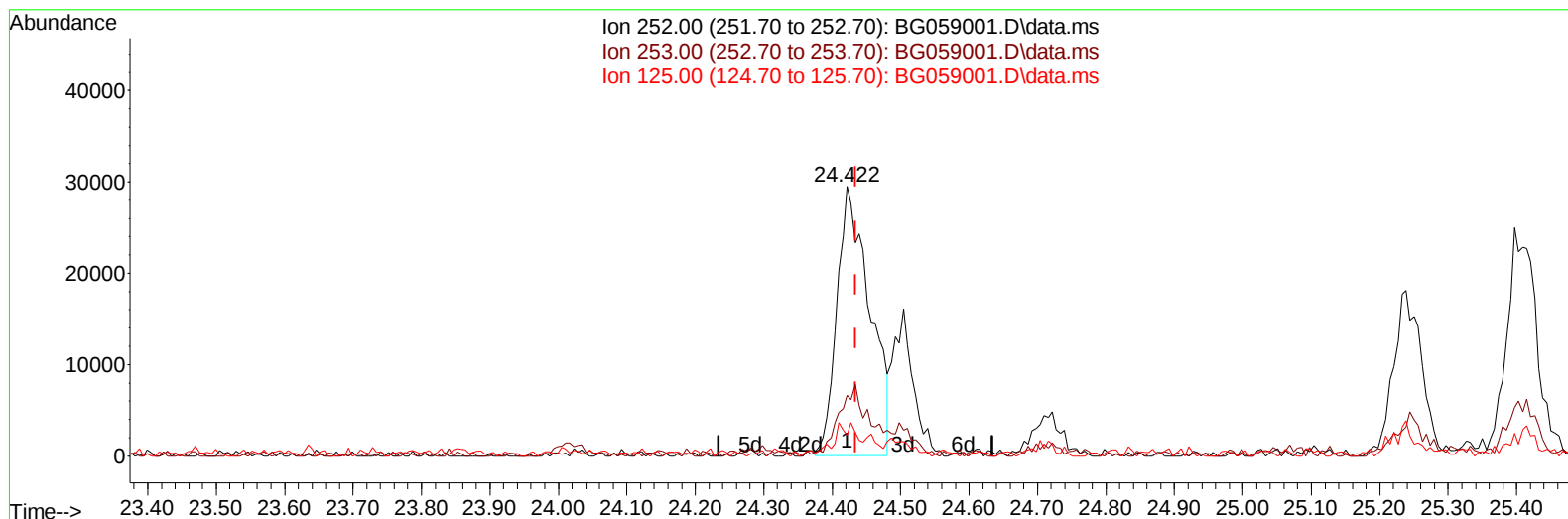
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
Data File : BG059001.D  
Acq On : 12 Sep 2023 4:26  
Operator : MA/JU  
Sample : 04235-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:20:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 00:07:05 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

**(90) Benzo(b)fluoranthene**

**24.422min (-0.013) 2.13 ng/u1 m**

**response 98235**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 22.52  |
| 125.00 | 7.70   | 7.70   |
| 0.00   | 0.00   | 0.00   |

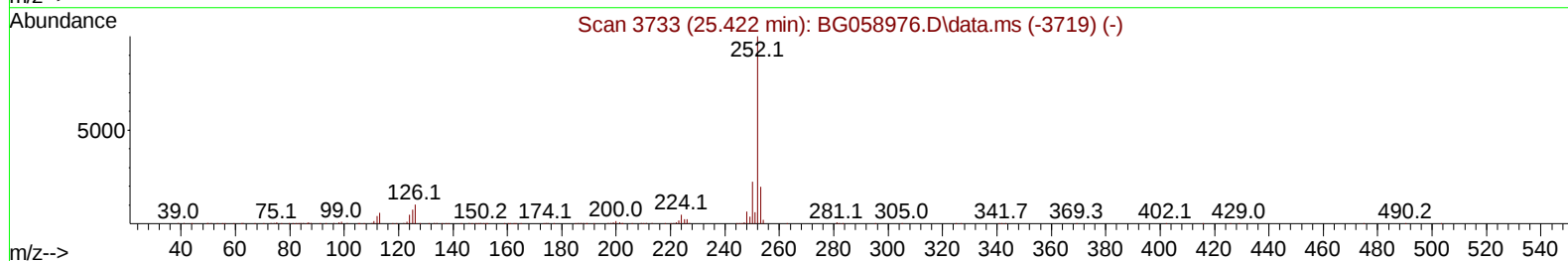
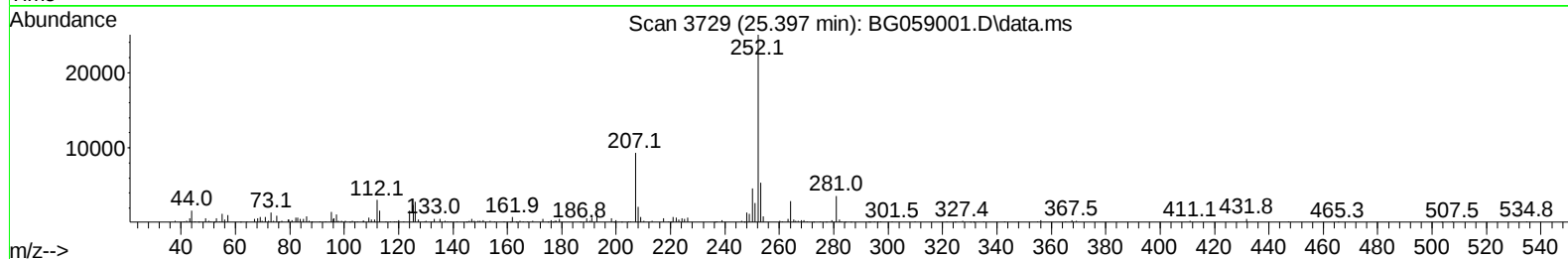
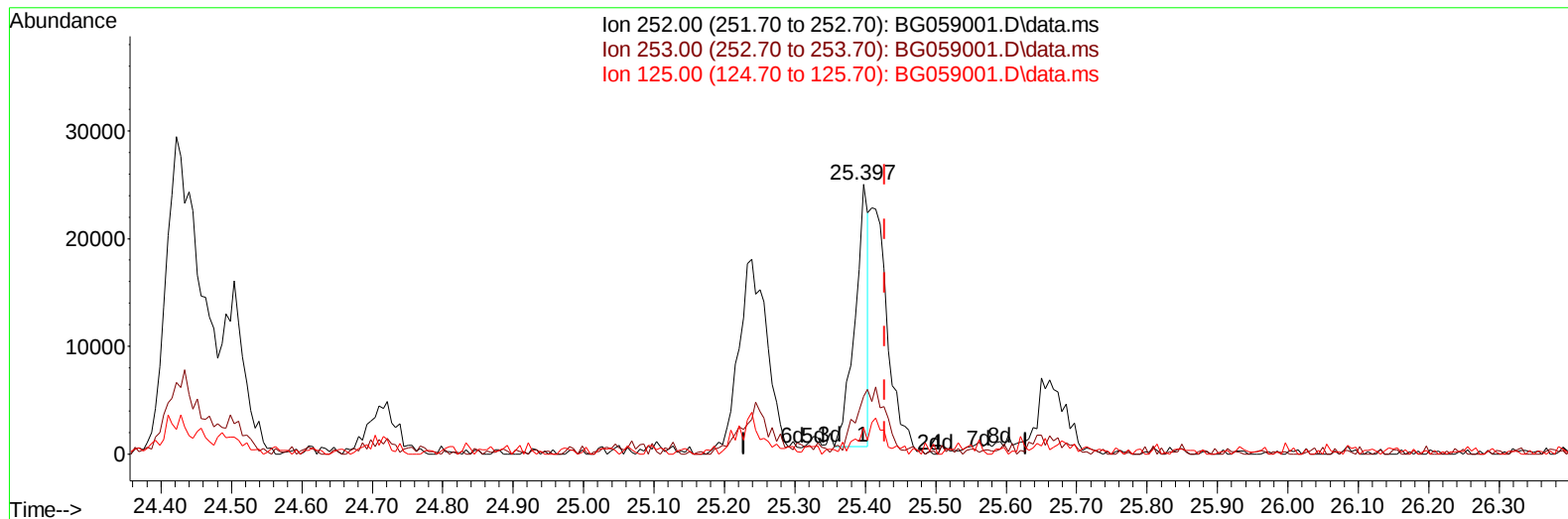
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
Data File : BG059001.D  
Acq On : 12 Sep 2023 4:26  
Operator : MA/JU  
Sample : 04235-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:20:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 00:07:05 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

(93) Benzo(a)pyrene (C)

25.397min (-0.030) 0.75 ng/u1

response 32200

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.40  | 21.37  |
| 125.00 | 6.60   | 9.77#  |
| 0.00   | 0.00   | 0.00   |

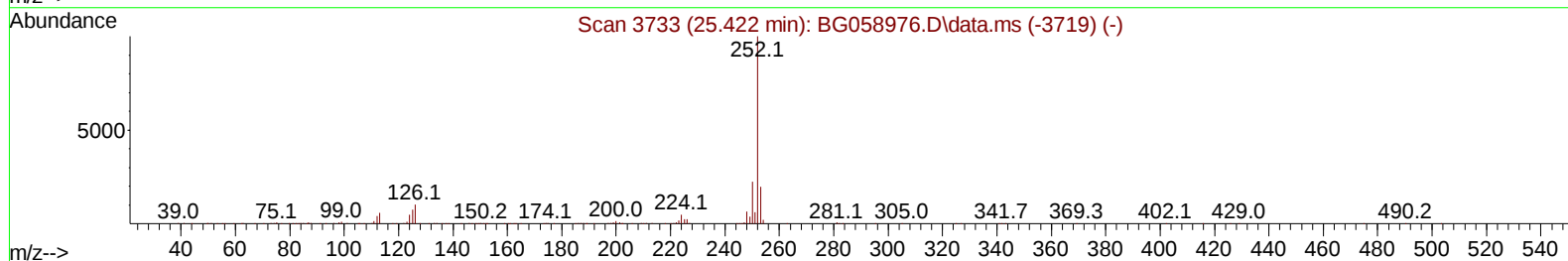
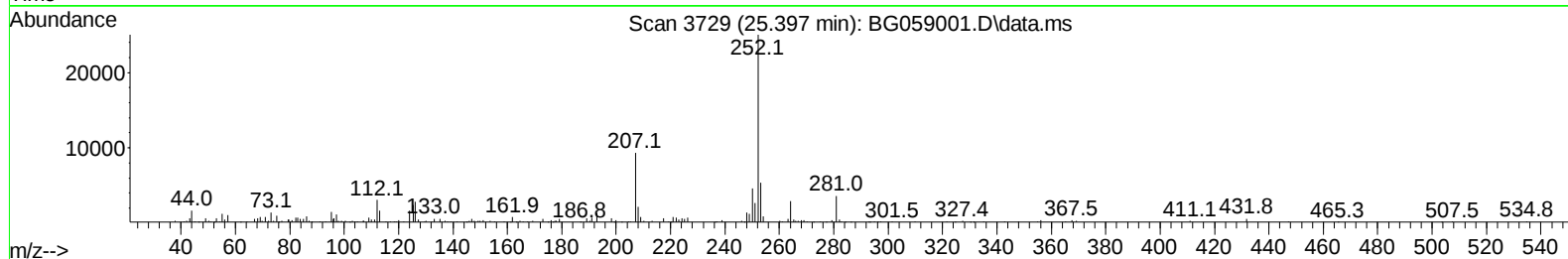
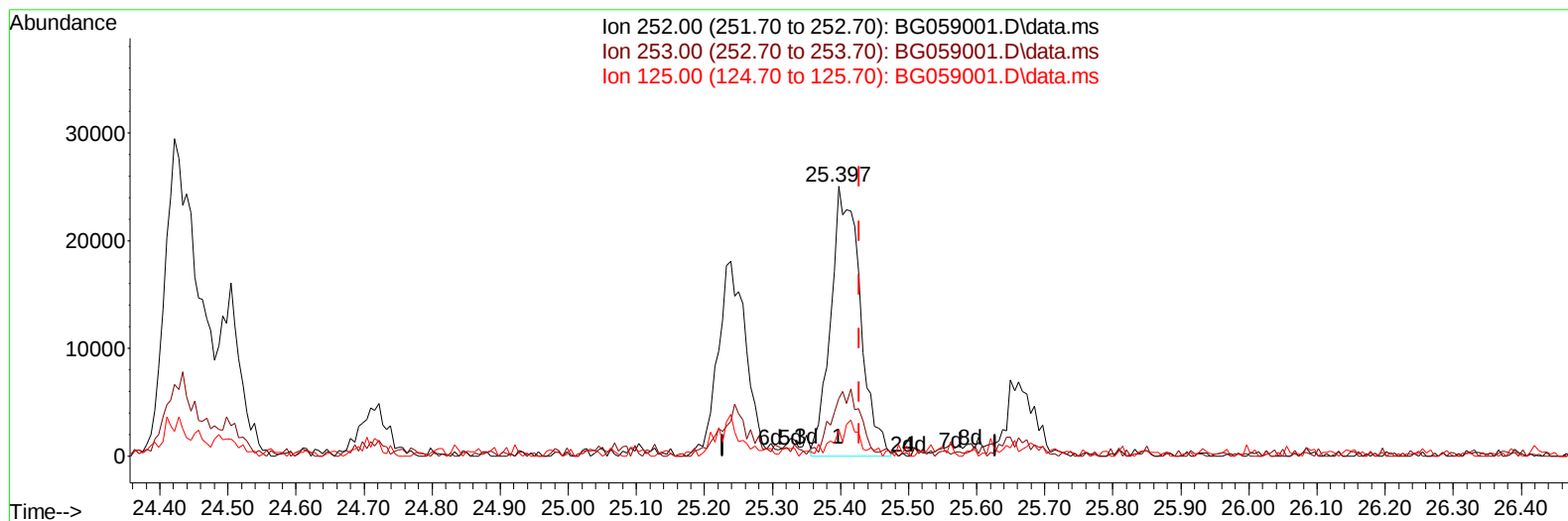
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:20:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

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

**25.397min (-0.030) 1.73 ng/u1 m**

**response 74461**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.40  | 21.37  |
| 125.00 | 6.60   | 9.77#  |
| 0.00   | 0.00   | 0.00   |

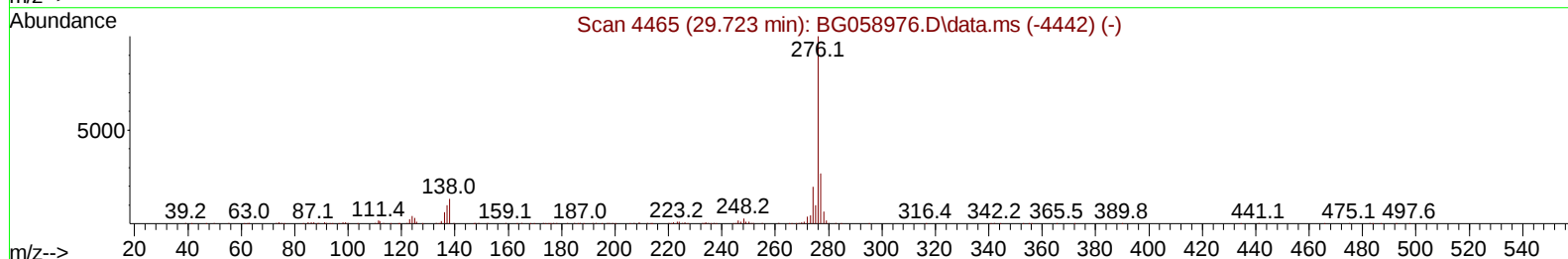
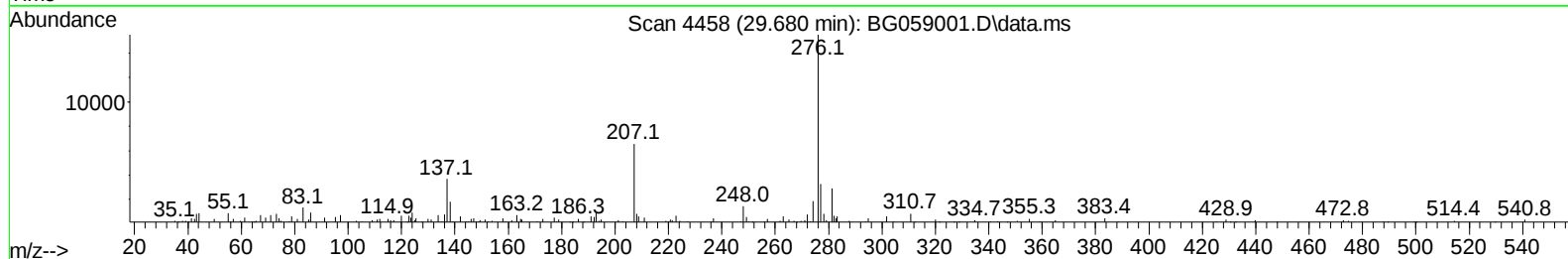
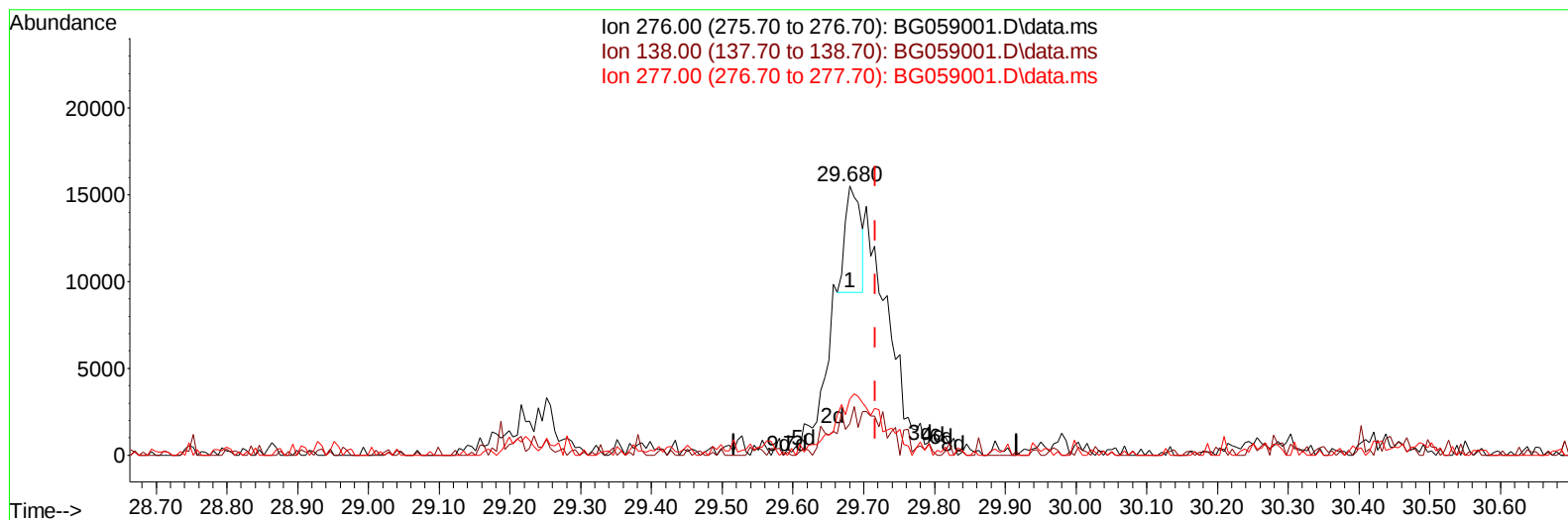
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:23:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

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

29.680min (-0.036) 0.17 ng/u1

response 9001

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.80  | 11.67# |
| 277.00 | 25.90  | 20.96  |
| 0.00   | 0.00   | 0.00   |

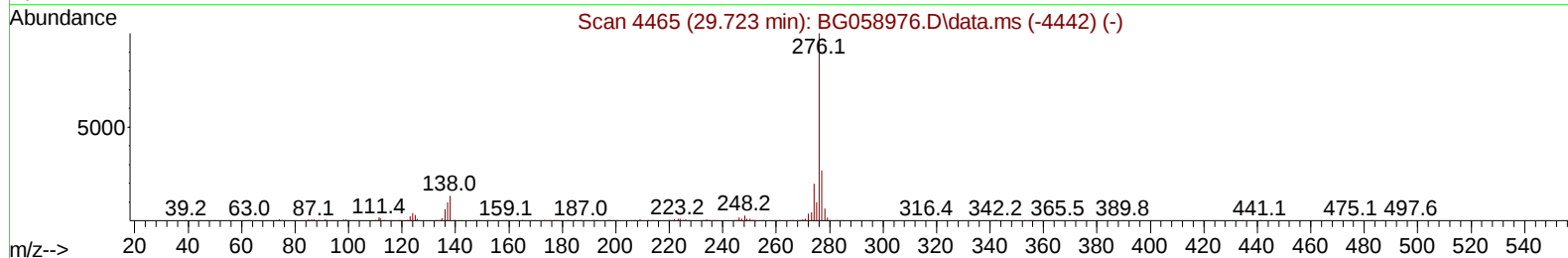
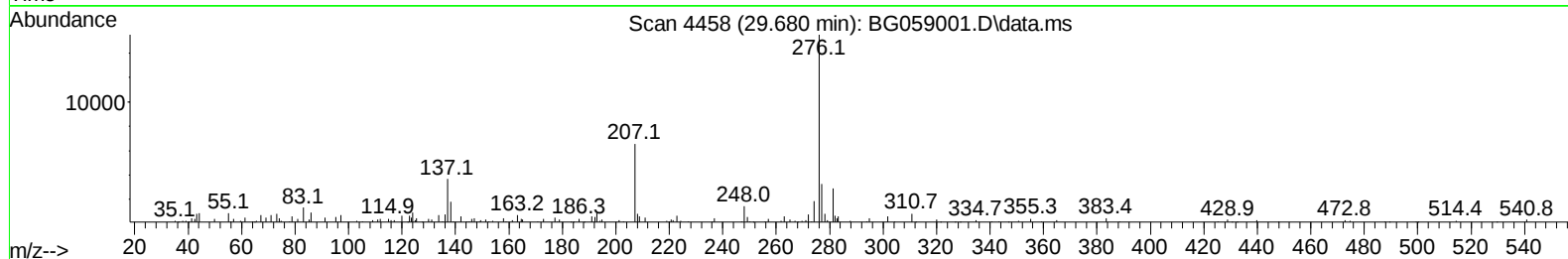
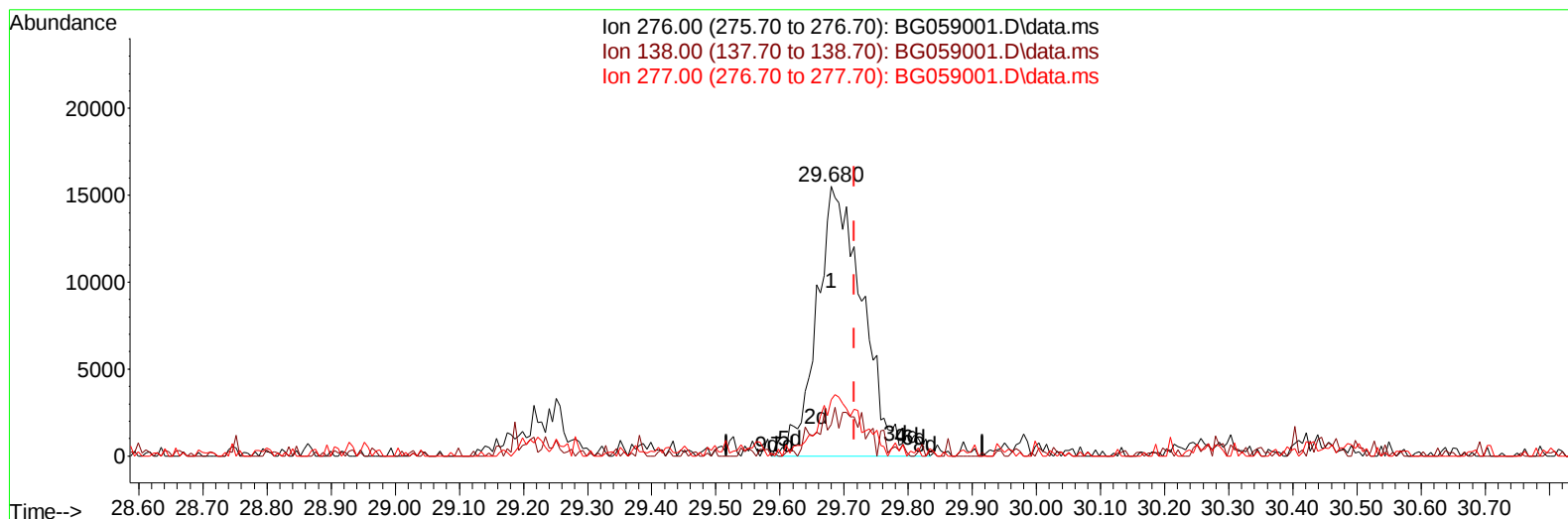
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:23:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

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

**29.680min (-0.036) 1.44 ng/ul m**

**response 78516**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.80  | 11.67# |
| 277.00 | 25.90  | 20.96  |
| 0.00   | 0.00   | 0.00   |

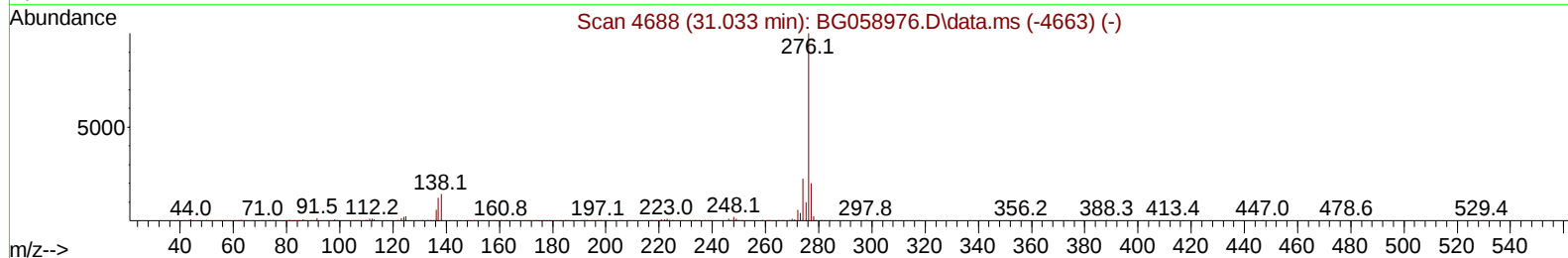
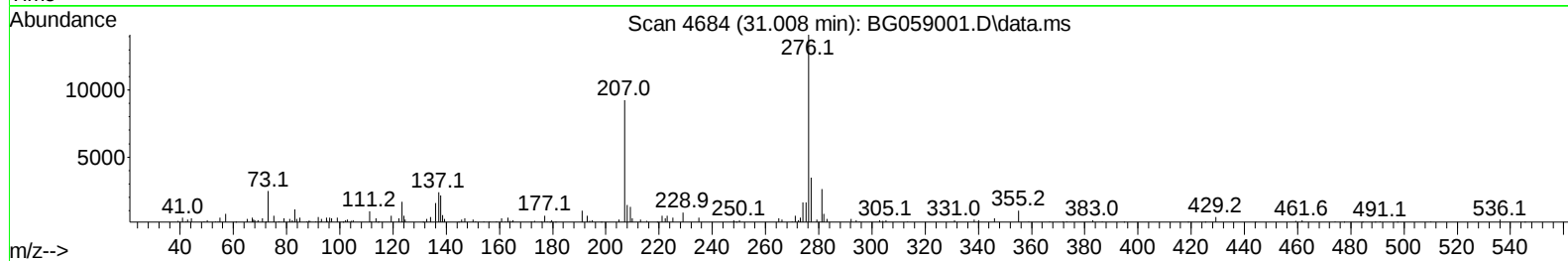
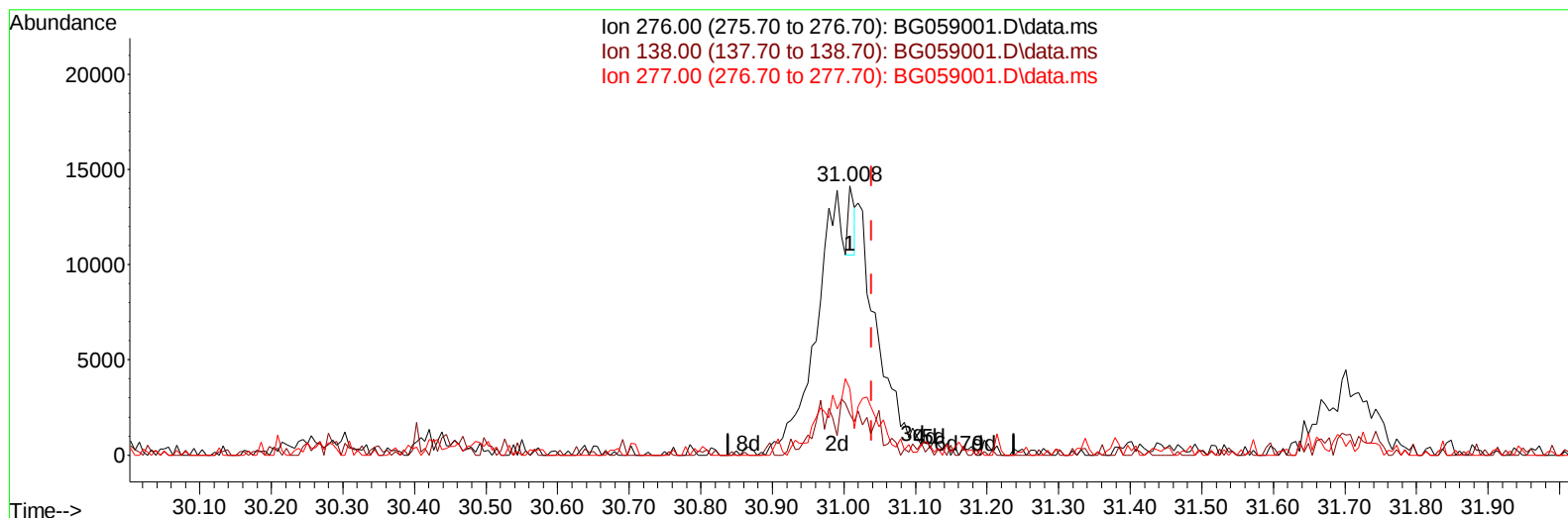
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:23:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

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

31.008min (-0.030) 0.05 ng/u1

response 2153

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.30  | 19.97# |
| 277.00 | 21.80  | 24.59  |
| 0.00   | 0.00   | 0.00   |

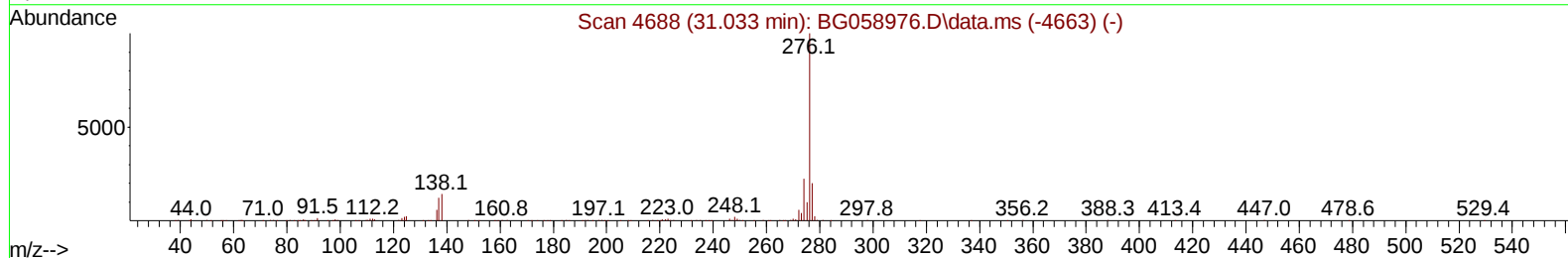
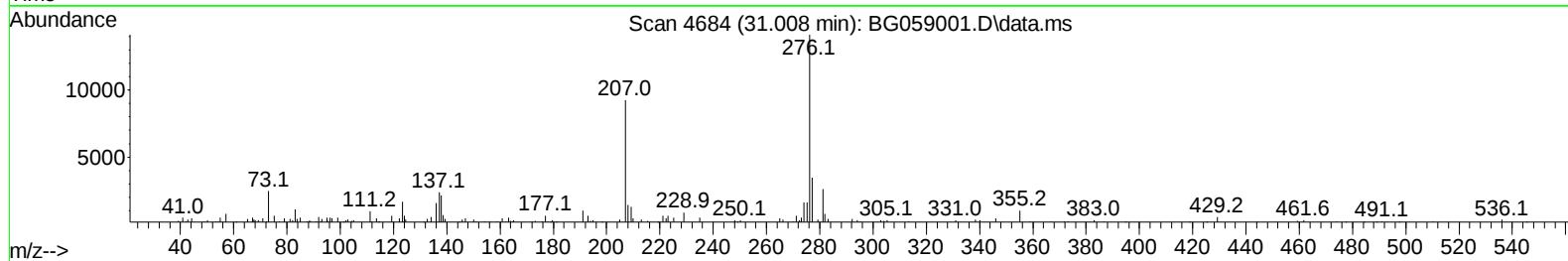
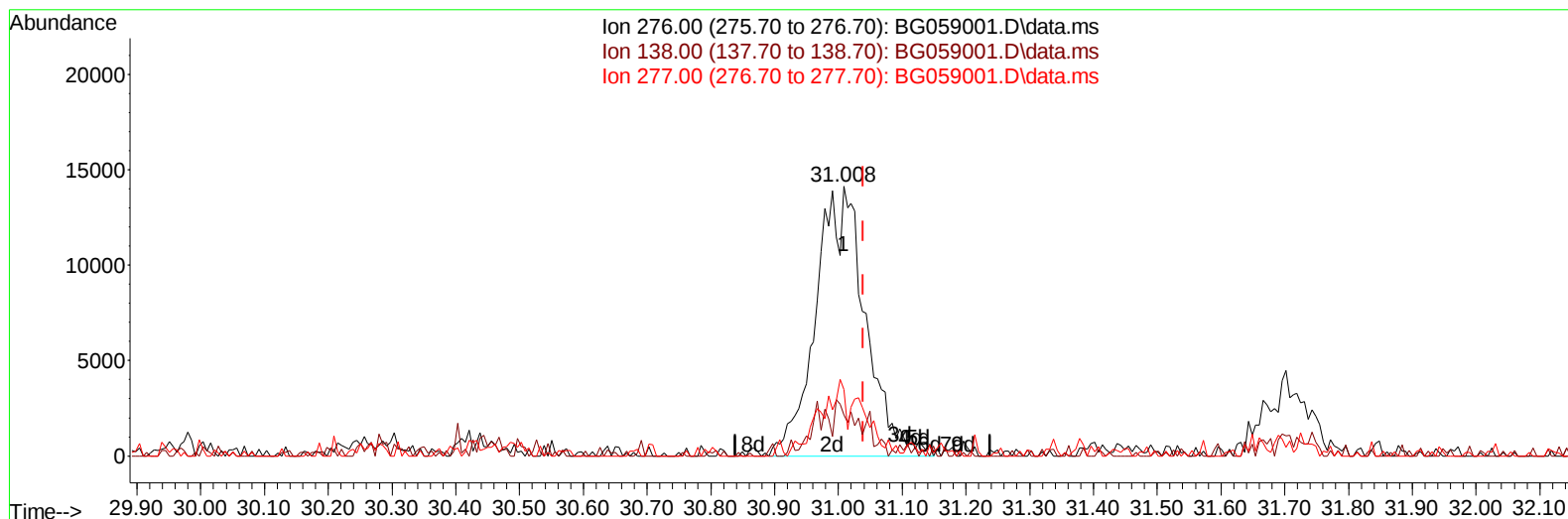
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:23:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059001.D\data.ms

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

31.008min (-0.030) 1.78 ng/ul m

response 76665

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.30  | 15.17  |
| 277.00 | 21.80  | 24.59  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091023\  
 Data File : BG059001.D  
 Acq On : 12 Sep 2023 4:26  
 Operator : MA/JU  
 Sample : 04235-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EZYD8

Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:24:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 00:07:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.323  | 152  | 83331    | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 11.167 | 136  | 358477   | 20.000 | ng/ul | # 0.00   |
| 38) Acenaphthene-d10          | 14.945 | 164  | 266593   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.694 | 188  | 702757   | 20.000 | ng/ul | # 0.00   |
| 79) Chrysene-d12              | 22.019 | 240  | 673734   | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12              | 25.585 | 264  | 774617   | 20.000 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.634  | 96   | 4216     | 2.150  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 4.075  | 84   | 6998     | 1.127  | ng/ul | 0.00     |
| 7) Phenol-d5                  | 7.430  | 99   | 122663   | 14.597 | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.641  | 67   | 73422    | 14.901 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.829  | 132  | 78388    | 14.545 | ng/ul | -0.01    |
| 15) 4-Methylphenol-d8         | 9.005  | 113  | 83407    | 12.847 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 9.516  | 128  | 38738    | 14.898 | ng/ul | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.238 | 143  | 46459    | 16.283 | ng/ul | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.761 | 165  | 87865    | 14.490 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.308 | 131  | 94911    | 11.639 | ng/ul | 0.00     |
| 46) Dimethylphthalate-d6      | 14.339 | 166  | 324966   | 15.715 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 14.651 | 160  | 346807   | 15.060 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.109 | 143  | 34336    | 9.996  | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.932 | 176  | 304815   | 16.609 | ng/ul | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.038 | 200  | 21115    | 6.121  | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.794 | 188  | 515718   | 16.531 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 20.062 | 212  | 638699   | 17.896 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.333 | 264  | 649941   | 17.116 | ng/ul | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 16) Acetophenone              | 9.163  | 105  | 35029    | 3.254  | ng/ul | 96       |
| 90) Benzo(b)fluoranthene      | 24.422 | 252  | 98235m   | 2.129  | ng/ul |          |
| 93) Benzo(a)pyrene            | 25.397 | 252  | 74461m   | 1.730  | ng/ul |          |
| 94) Indeno(1,2,3-cd)pyrene    | 29.680 | 276  | 78516m   | 1.443  | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 31.008 | 276  | 76665m   | 1.781  | ng/ul |          |
| -----                         |        |      |          |        |       |          |

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

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Sample : 04235-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EZYD8

## Manual IntegrationsAPPROVED

Quant Time: Sep 12 05:24:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
Quant Title : SVOA CALIBRATION  
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Reviewed By :Yogesh Patel 09/12/2023  
Supervised By :mohammad ahmed 09/13/2023

