

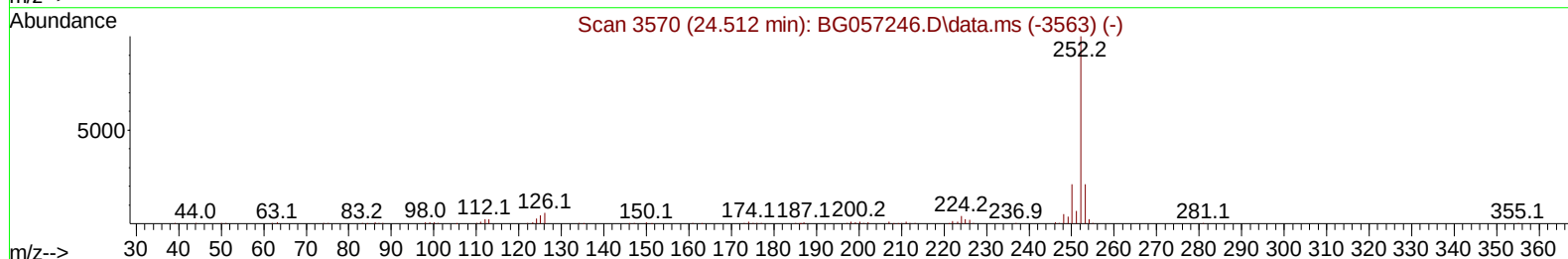
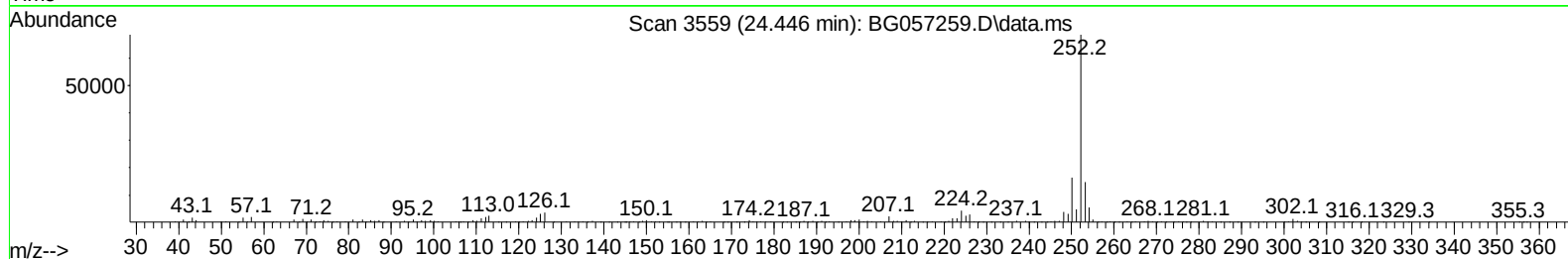
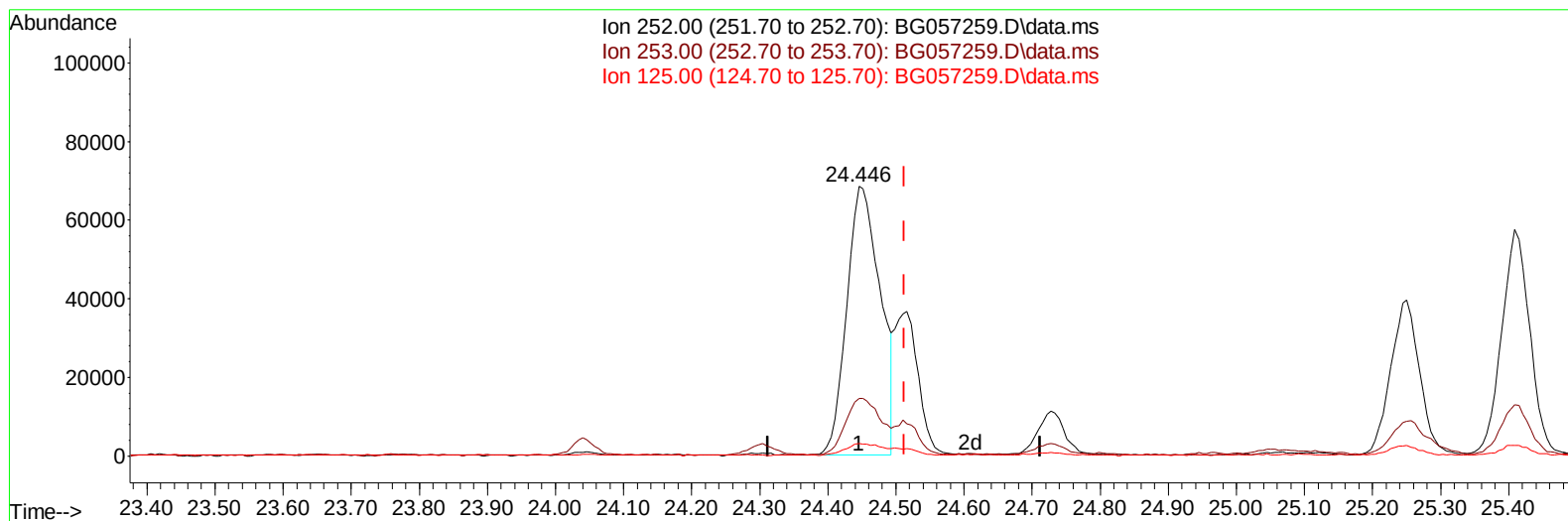
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
Data File : BG057259.D  
Acq On : 1 May 2023 21:13  
Operator : CG/JU  
Sample : 02417-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y4

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/02/2023  
Supervised By :Jagrut Upadhyay 05/02/2023

Quant Time: May 01 23:57:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 12:45:38 2023  
Response via : Initial Calibration



TIC: BG057259.D\data.ms

## (91) Benzo(k)fluoranthene

24.446min (-0.067) 35.57 ng/u1

response 234526

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 21.44  |
| 125.00 | 5.60   | 4.62   |
| 0.00   | 0.00   | 0.00   |

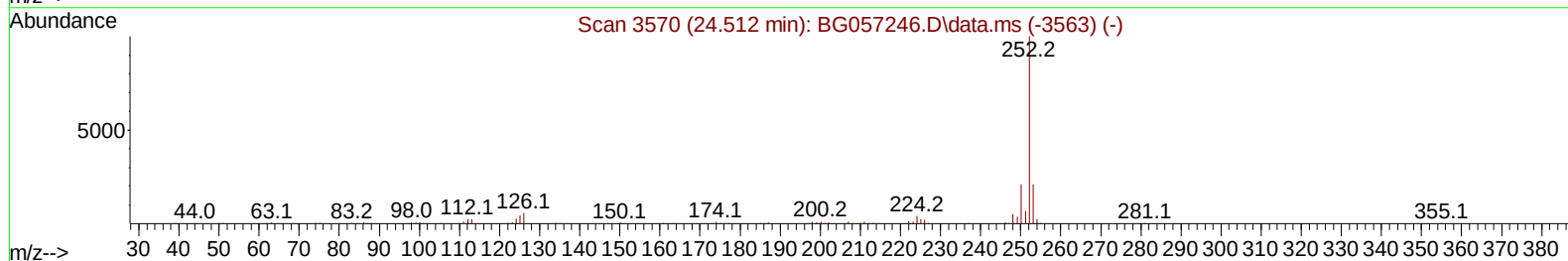
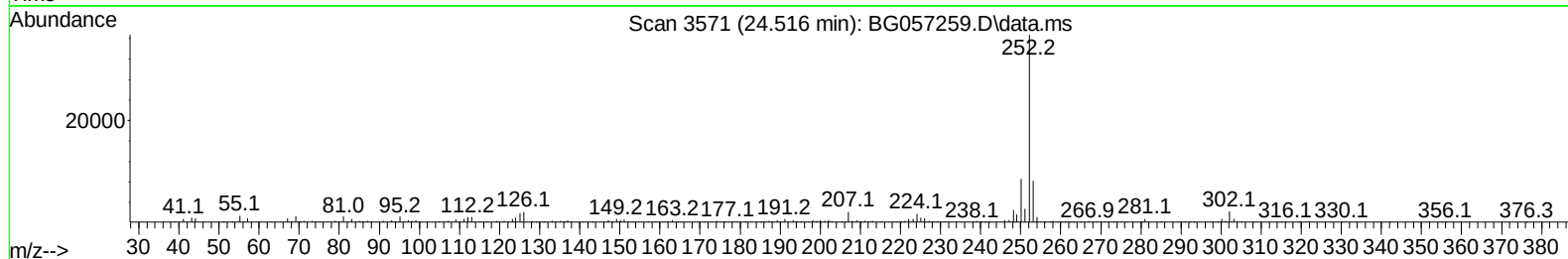
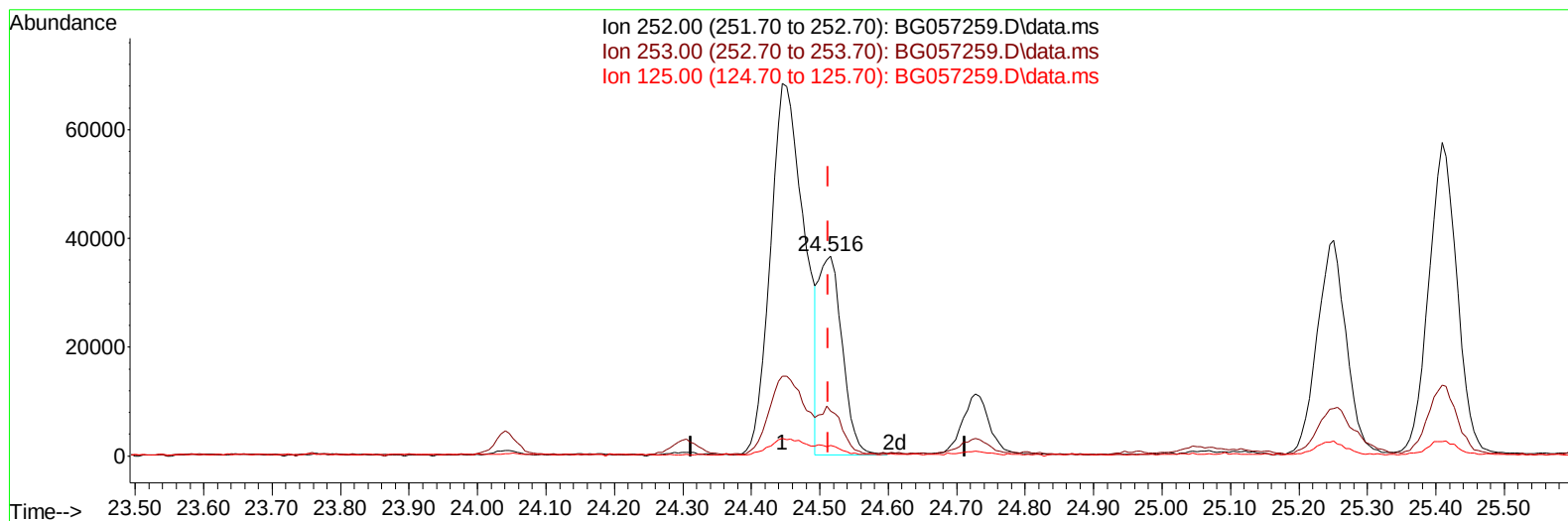
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057259.D  
 Acq On : 1 May 2023 21:13  
 Operator : CG/JU  
 Sample : 02417-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



TIC: BG057259.D\data.ms

## (91) Benzo(k)fluoranthene

24.516min (+ 0.004) 13.21 ng/ul m

response 87127

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.42  |
| 125.00 | 5.60   | 5.23   |
| 0.00   | 0.00   | 0.00   |

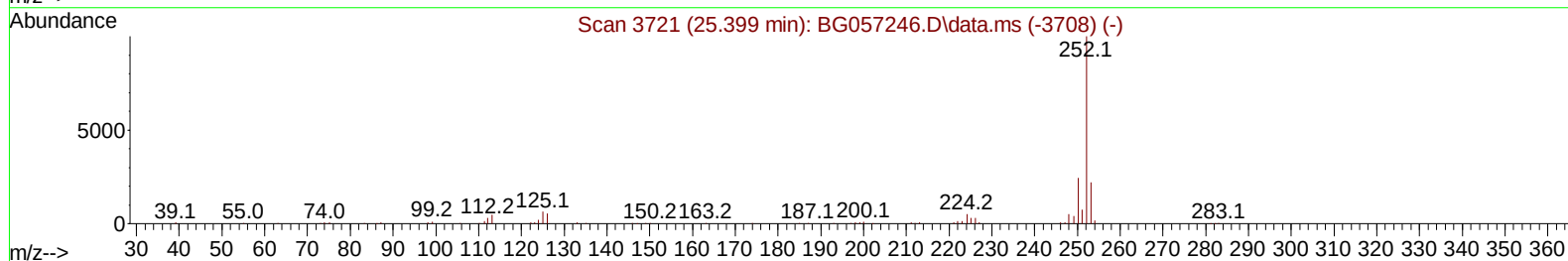
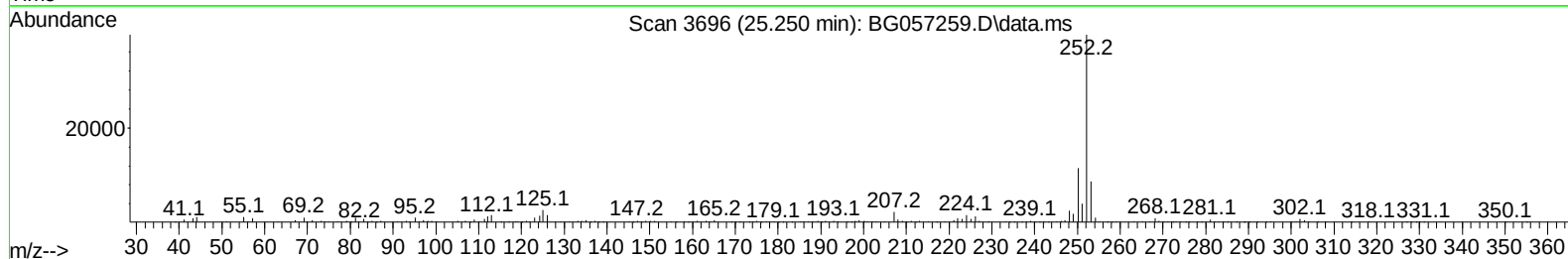
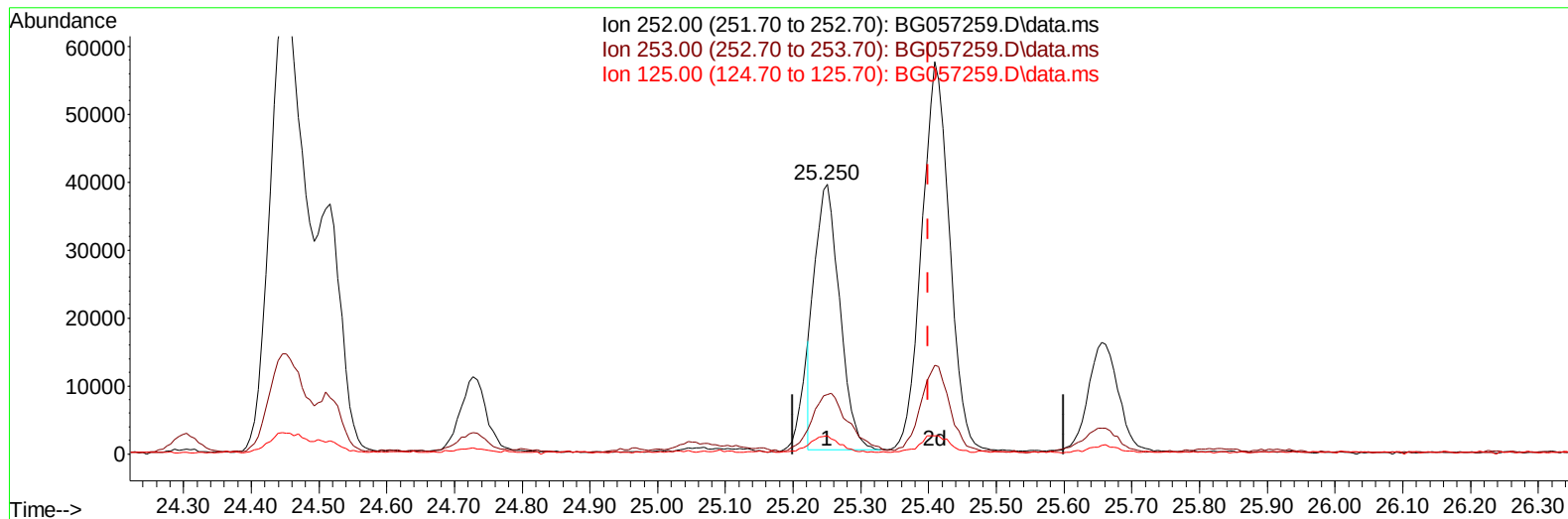
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
Data File : BG057259.D  
Acq On : 1 May 2023 21:13  
Operator : CG/JU  
Sample : 02417-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y4

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/02/2023  
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Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 12:45:38 2023  
Response via : Initial Calibration



TIC: BG057259.D\data.ms

## (93) Benzo(a)pyrene (C)

25.250min (-0.149) 17.17 ng/u1

response 100459

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.50  | 22.10  |
| 125.00 | 6.40   | 6.85   |
| 0.00   | 0.00   | 0.00   |

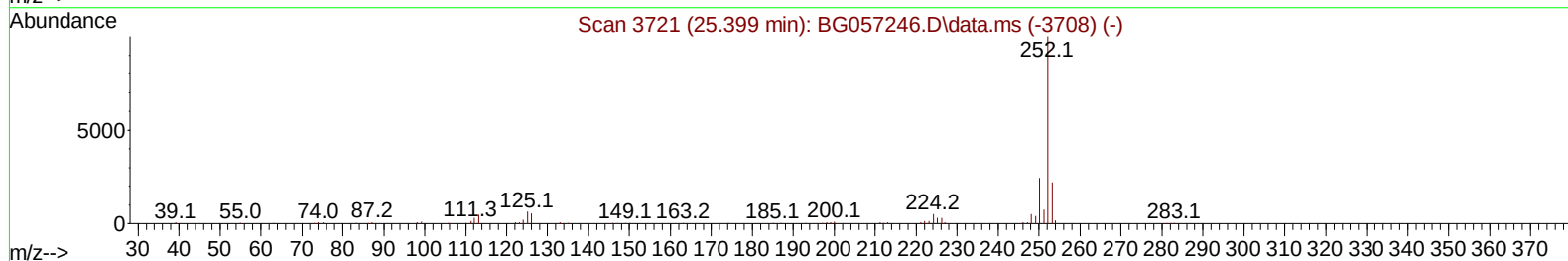
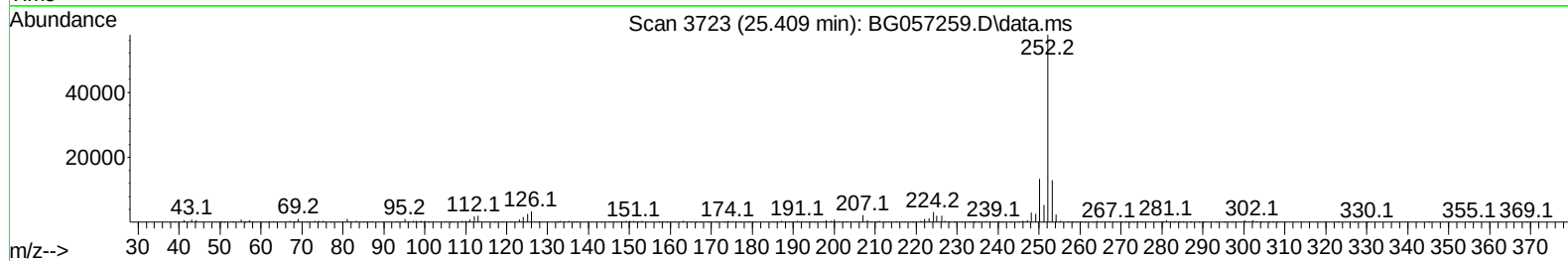
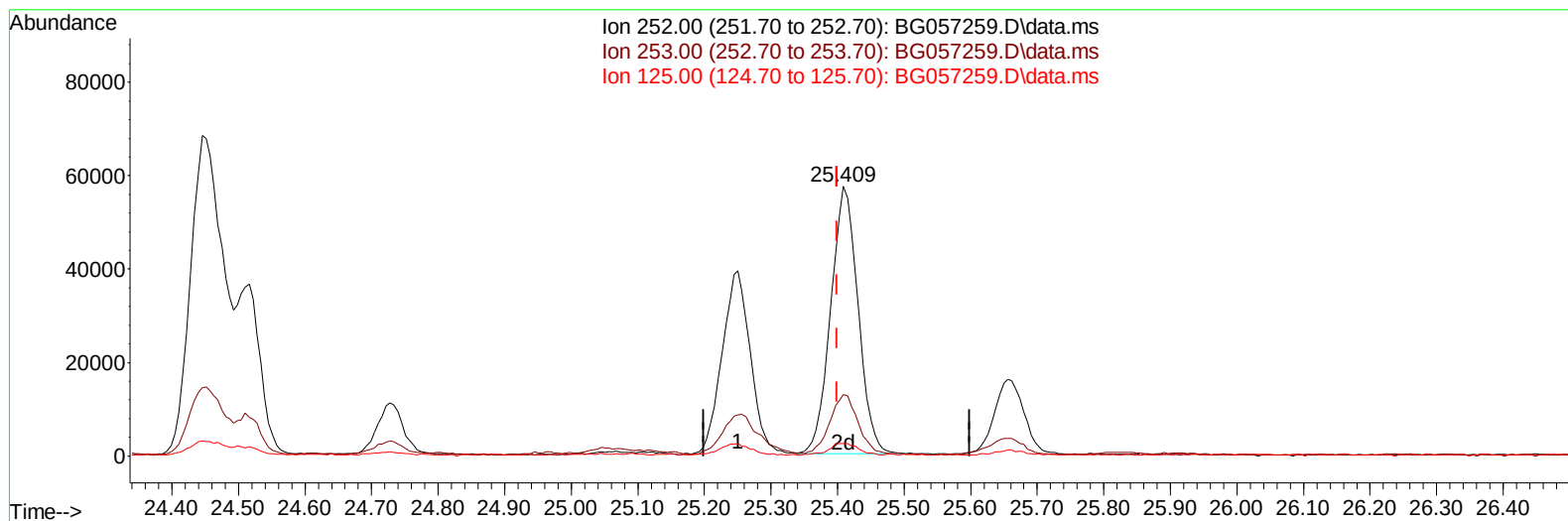
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057259.D  
 Acq On : 1 May 2023 21:13  
 Operator : CG/JU  
 Sample : 02417-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023  
 Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BG057259.D\data.ms

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

**25.409min (+ 0.010) 28.01 ng/ul m**

**response 163888**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.50  | 22.67  |
| 125.00 | 6.40   | 4.62#  |
| 0.00   | 0.00   | 0.00   |

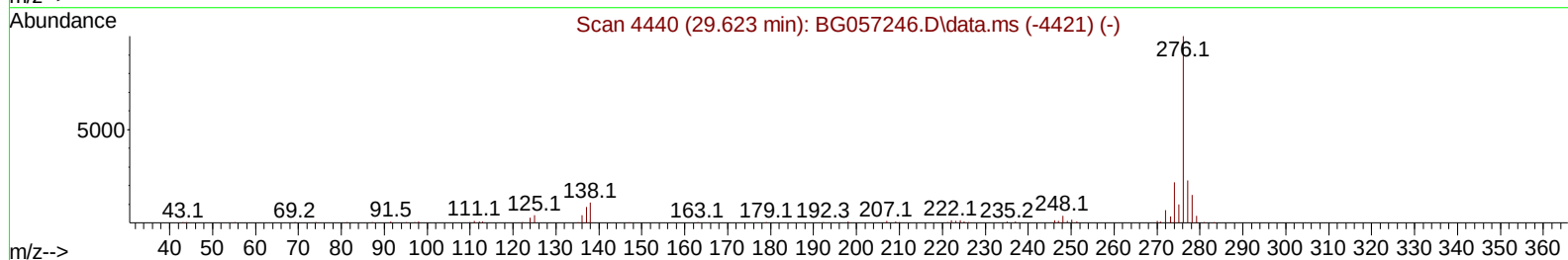
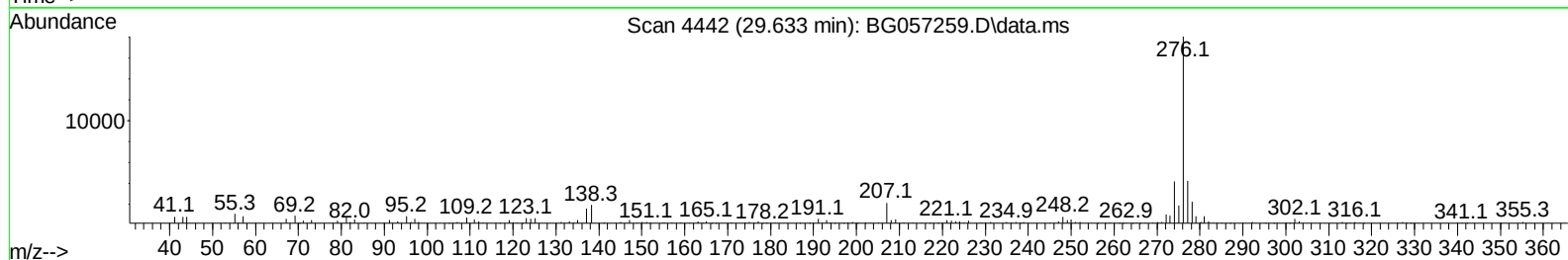
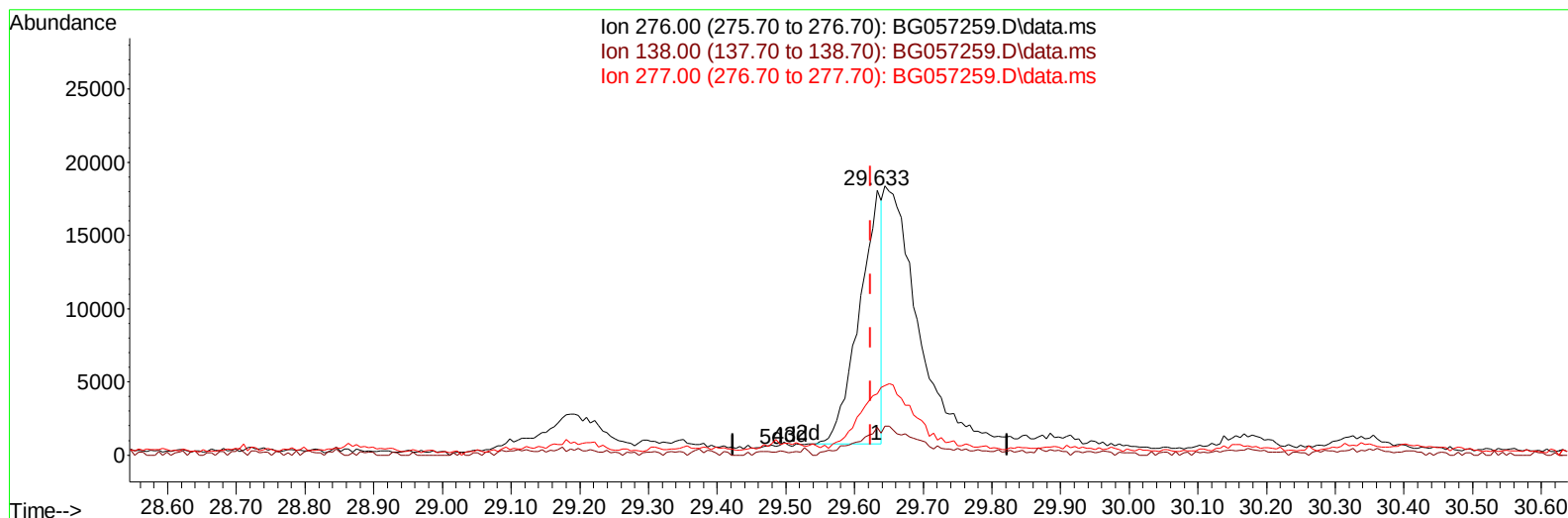
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057259.D  
 Acq On : 1 May 2023 21:13  
 Operator : CG/JU  
 Sample : 02417-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023  
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TIC: BG057259.D\data.ms

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

**29.633min (+ 0.010) 5.42 ng/ul**

**response 39638**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.80  | 10.54  |
| 277.00 | 23.30  | 23.20  |
| 0.00   | 0.00   | 0.00   |

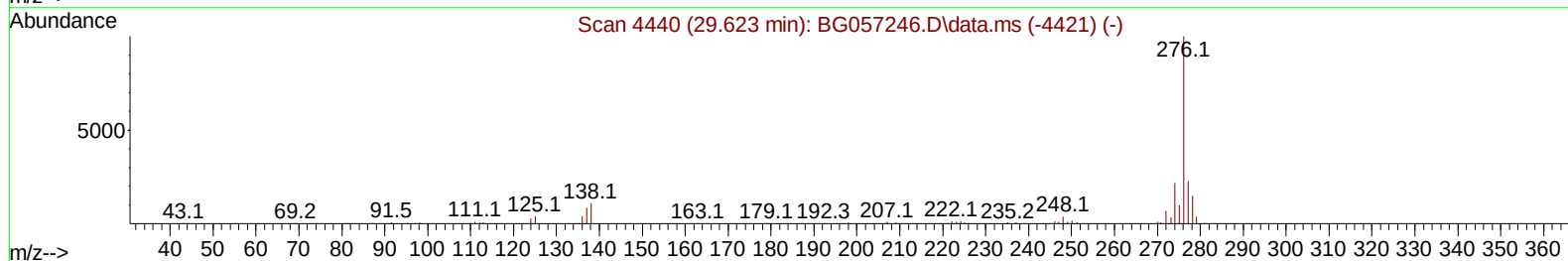
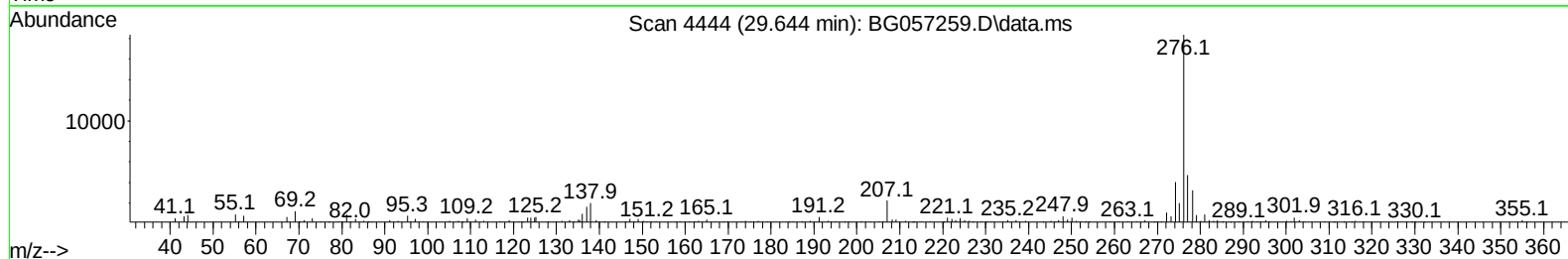
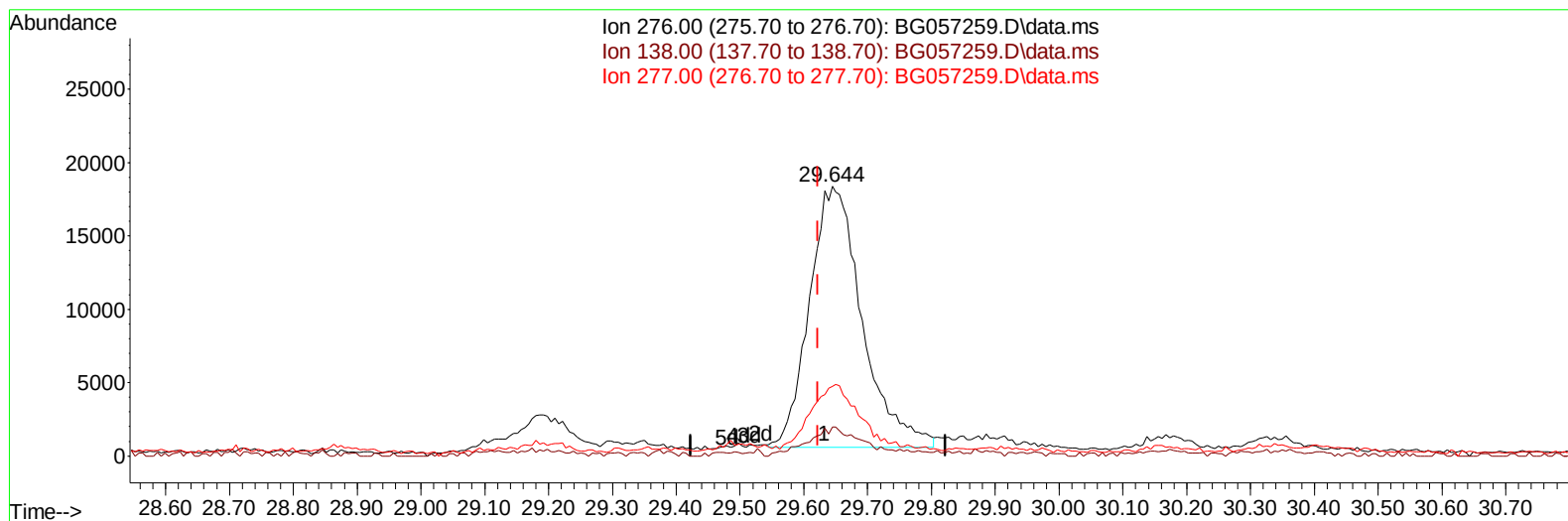
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
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TIC: BG057259.D\data.ms

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

29.644min (+ 0.021) 14.01 ng/ul m

response 102504

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.80  | 10.86  |
| 277.00 | 23.30  | 25.80  |
| 0.00   | 0.00   | 0.00   |



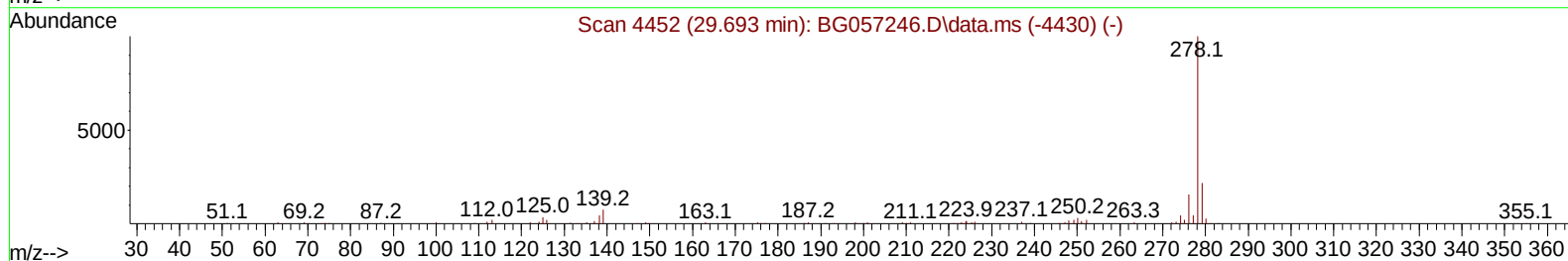
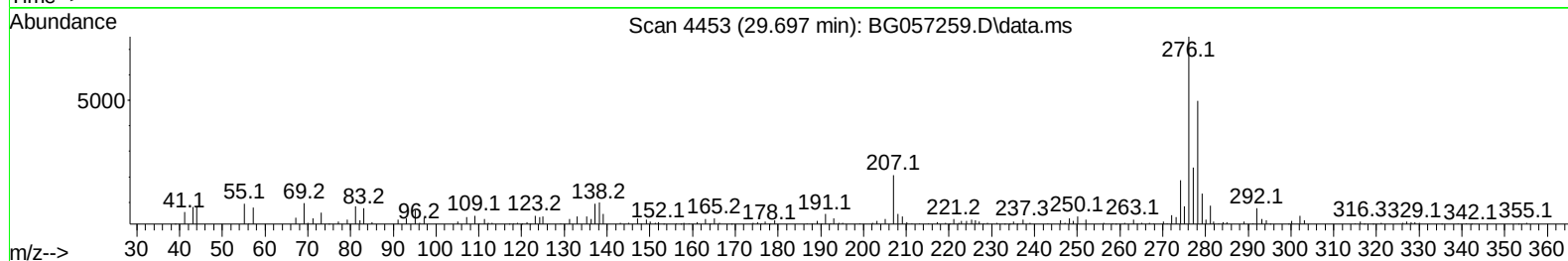
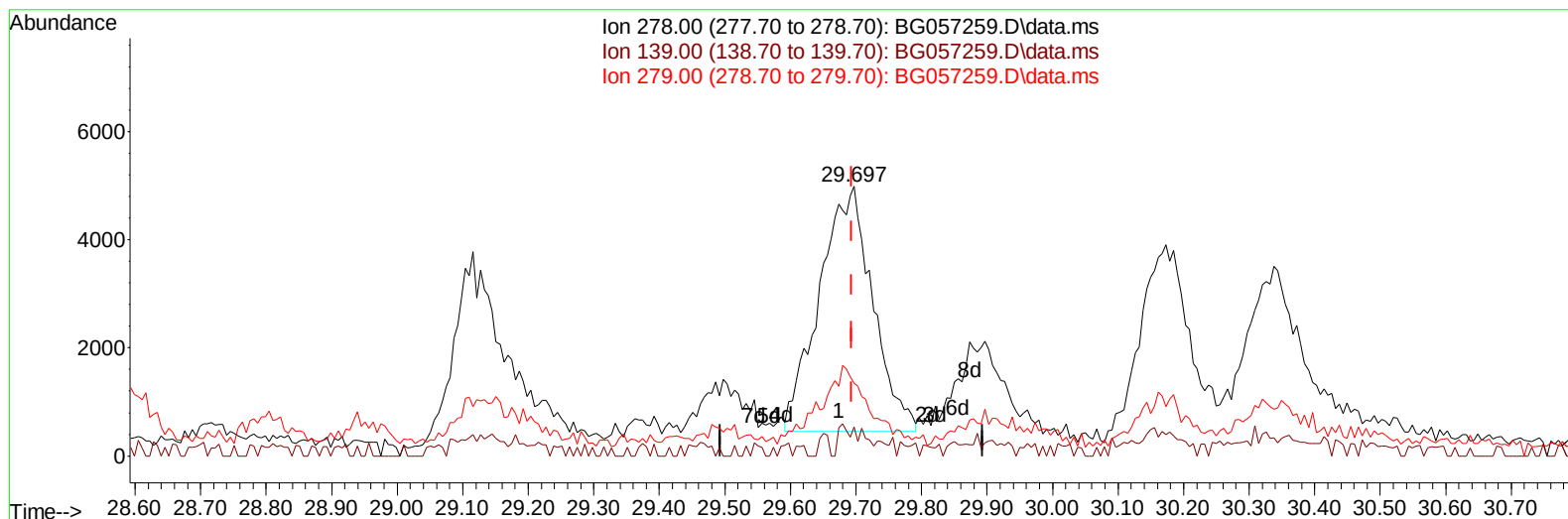
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057259.D  
 Acq On : 1 May 2023 21:13  
 Operator : CG/JU  
 Sample : 02417-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

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TIC: BG057259.D\data.ms

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

29.697min (+ 0.004) 4.22 ng/ul m

response 25609

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 7.20   | 10.79# |
| 279.00 | 22.90  | 27.11  |
| 0.00   | 0.00   | 0.00   |



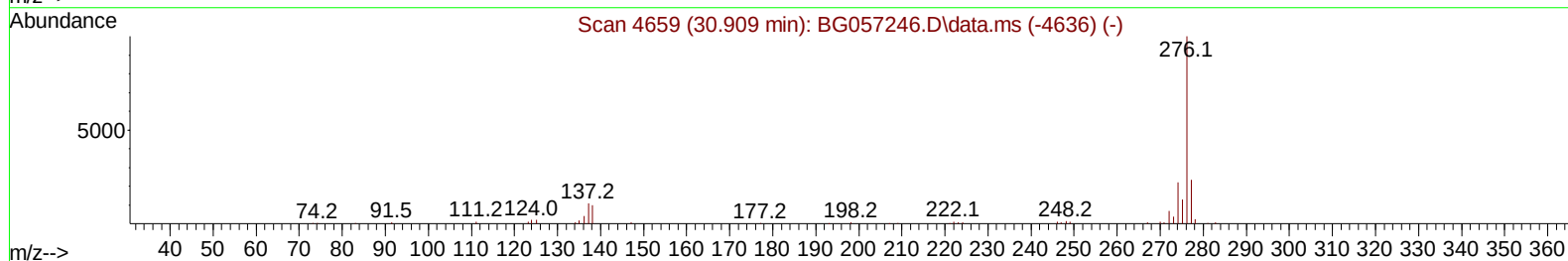
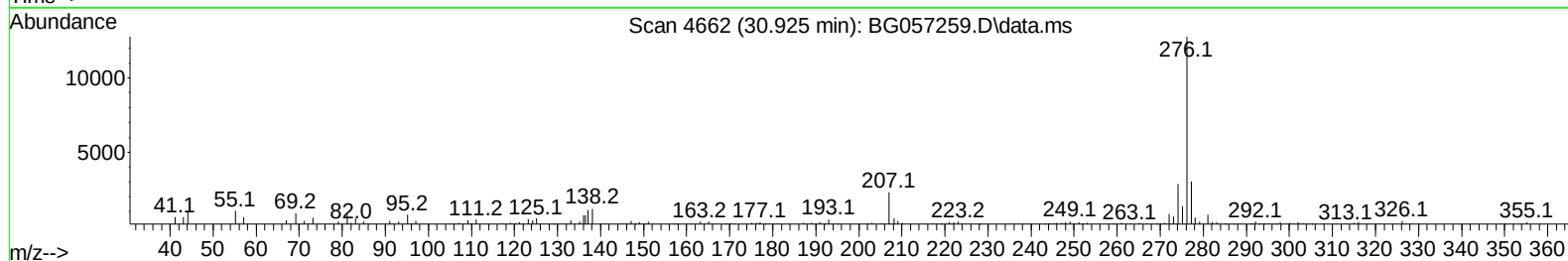
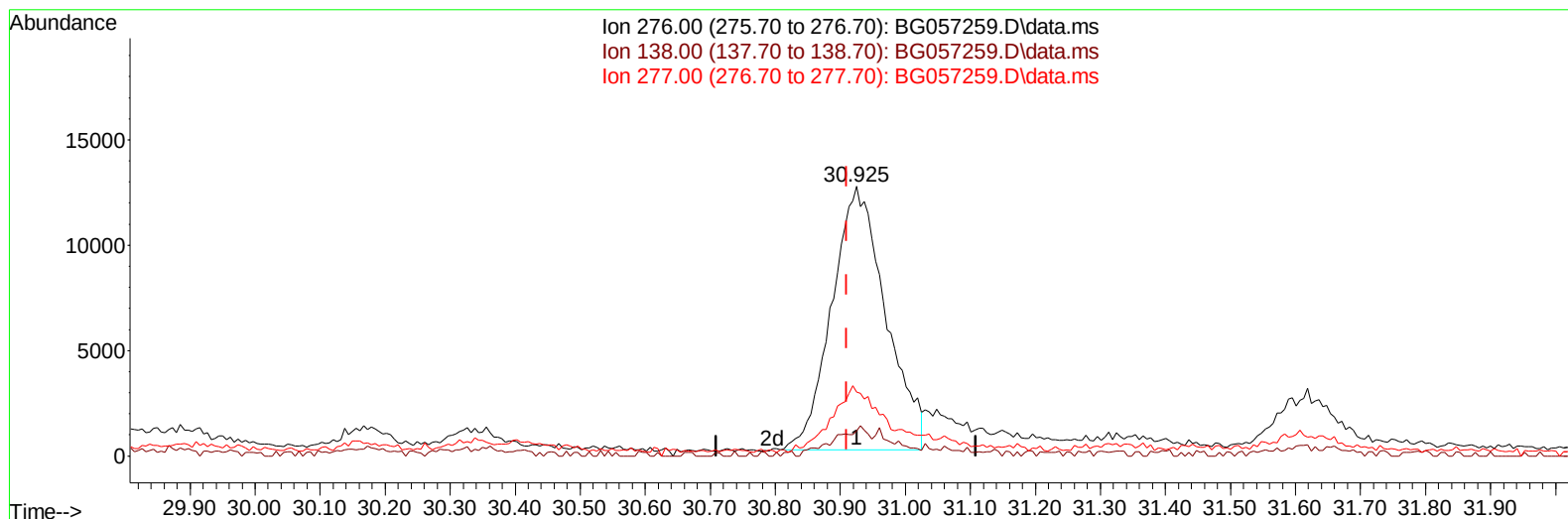
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057259.D  
 Acq On : 1 May 2023 21:13  
 Operator : CG/JU  
 Sample : 02417-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023  
 Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BG057259.D\data.ms

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

**30.925min (+ 0.016) 12.20 ng/ul**

**response 72196**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 9.36   |
| 277.00 | 23.00  | 23.73  |
| 0.00   | 0.00   | 0.00   |

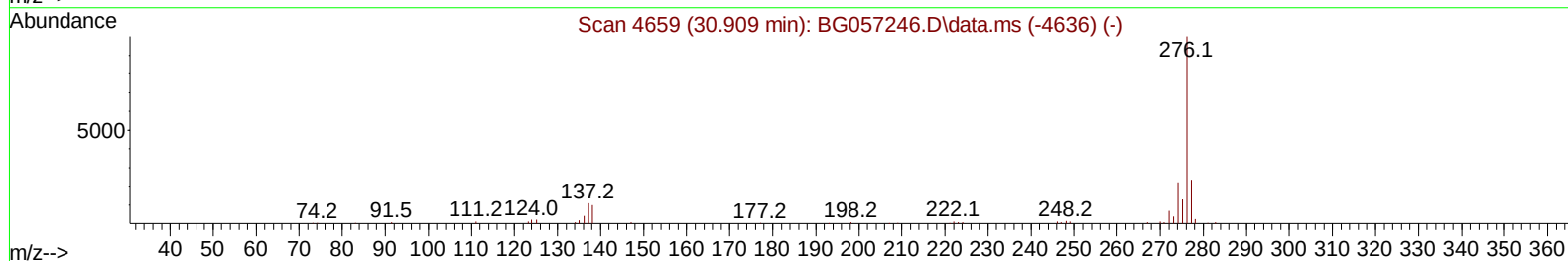
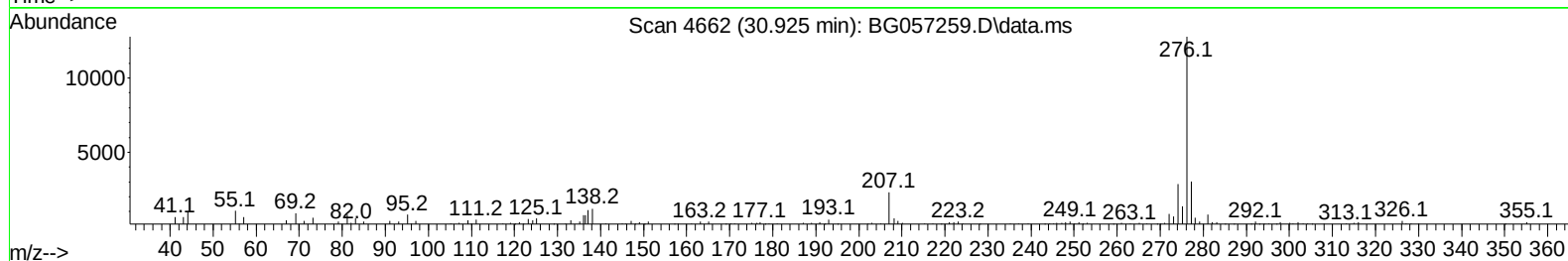
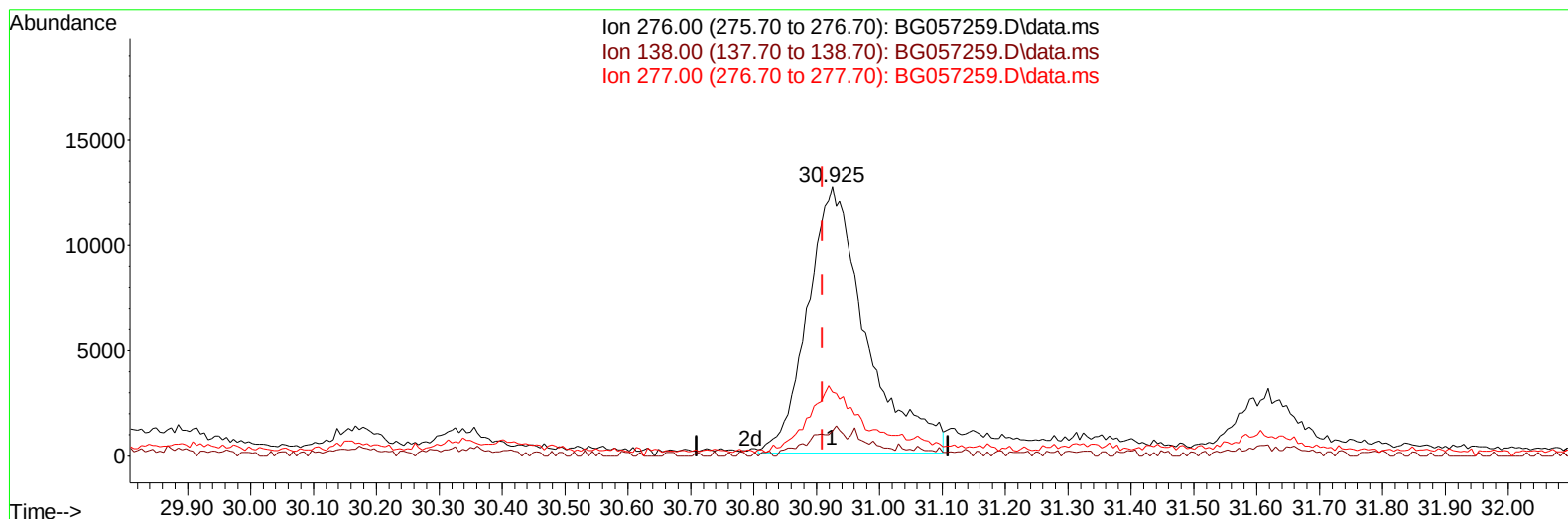
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
Data File : BG057259.D  
Acq On : 1 May 2023 21:13  
Operator : CG/JU  
Sample : 02417-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 01 23:57:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 12:45:38 2023  
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023  
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TIC: BG057259.D\data.ms

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

30.925min (+ 0.016) 13.81 ng/ul m

response 81766

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 9.36   |
| 277.00 | 23.00  | 23.73  |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y4

Manual IntegrationsAPPROVED

Quant Time: May 02 00:00:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.379  | 152 |     | 16910    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.222 | 136 |     | 71236    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.994 | 164 |     | 52044    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.731 | 188 |     | 109477   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 22.049 | 240 |     | 91878    | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.579 | 264 |     | 97868    | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.662  | 96  |     | 690      | 1.796  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84  |     | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.516  | 99  |     | 23238    | 14.531 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.686  | 67  |     | 13688    | 14.552 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.909  | 132 |     | 16731    | 15.876 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.078  | 113 |     | 13910    | 11.444 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.560  | 128 |     | 9170     | 16.164 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.288 | 143 |     | 10982    | 16.588 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.835 | 165 |     | 21171    | 16.575 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.346 | 131 |     | 10443    | 6.169  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.377 | 166 |     | 67115    | 16.275 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.694 | 160 |     | 79285    | 17.106 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.188 | 143 |     | 6732     | 11.215 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.981 | 176 |     | 61325    | 15.963 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.098 | 200 |     | 4853     | 7.482  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.831 | 188 |     | 90211    | 18.053 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.099 | 212 |     | 100253   | 18.383 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.333 | 264 |     | 90278    | 18.106 | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 16) Acetophenone              | 9.213  | 105 |     | 2584     | 1.235  | ng/ul# | 92       |
| 52) Acenaphthene              | 15.058 | 153 |     | 6011     | 1.791  | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.387 | 168 |     | 6755     | 1.394  | ng/ul  | 92       |
| 61) Fluorene                  | 16.033 | 166 |     | 10313    | 2.517  | ng/ul  | 100      |
| 72) Phenanthrene              | 17.778 | 178 |     | 190252   | 33.371 | ng/ul  | 98       |
| 74) Anthracene                | 17.866 | 178 |     | 39541    | 6.905  | ng/ul  | 99       |
| 77) Carbazole                 | 18.131 | 167 |     | 10491    | 2.192  | ng/ul  | 94       |
| 80) Fluoranthene              | 19.770 | 202 |     | 399946   | 61.737 | ng/ul# | 96       |
| 82) Pyrene                    | 20.128 | 202 |     | 330057   | 50.328 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 22.031 | 228 |     | 185670   | 28.573 | ng/ul  | 99       |
| 87) Chrysene                  | 22.102 | 228 |     | 175515   | 28.629 | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 24.446 | 252 |     | 234526   | 34.605 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 24.516 | 252 |     | 87127m   | 13.214 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 25.409 | 252 |     | 163888m  | 28.010 | ng/ul  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 29.644 | 276 |     | 102504m  | 14.015 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.697 | 278 |     | 25609m   | 4.223  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.925 | 276 |     | 81766m   | 13.814 | ng/ul  |          |
| -----                         |        |     |     |          |        |        |          |

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

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y4

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/02/2023  
Supervised By :Jagrut Upadhyay 05/02/2023

Quant Time: May 02 00:00:12 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 12:45:38 2023  
Response via : Initial Calibration

