

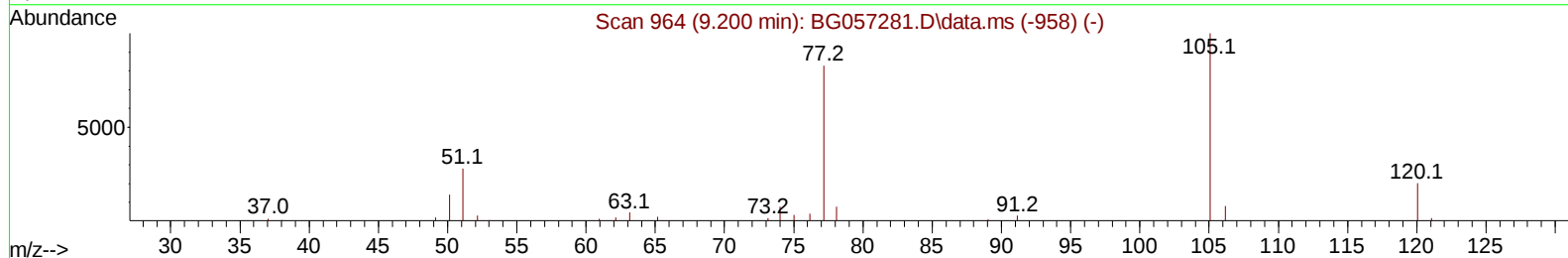
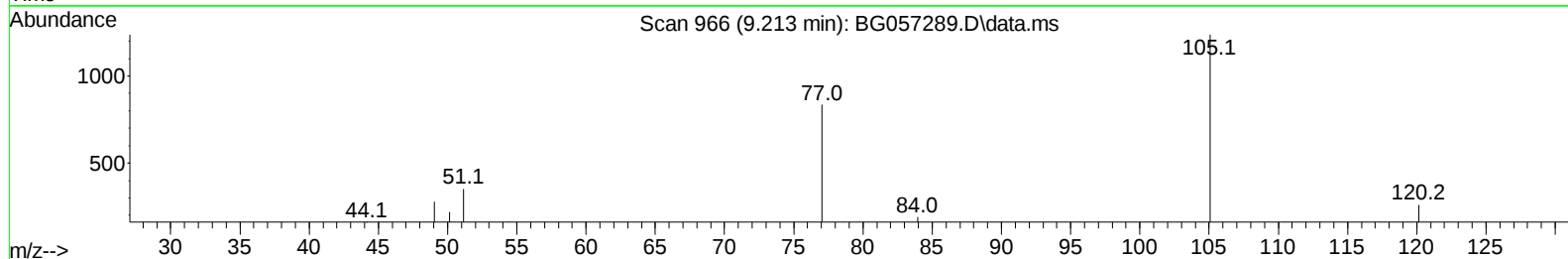
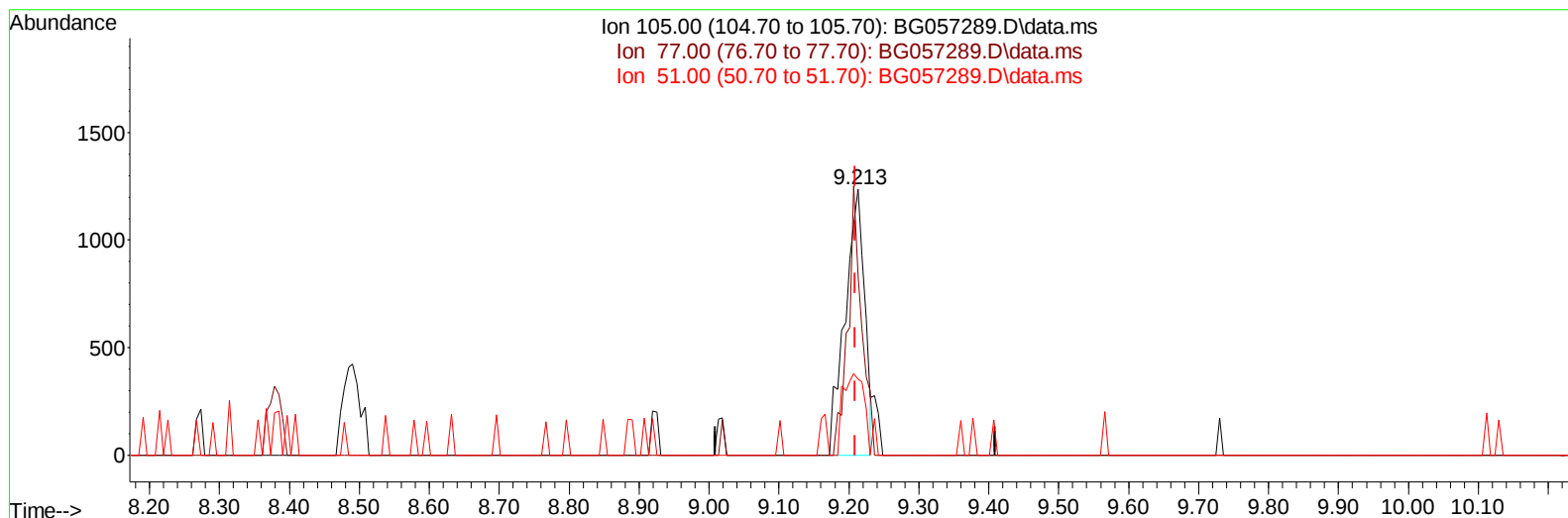
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
Data File : BG057289.D  
Acq On : 3 May 2023 16:35  
Operator : CG/JU  
Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/04/2023  
Supervised By :Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:16:43 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: BG057289.D\data.ms

## (16) Acetophenone

9.213min (+ 0.004) 1.46 ng/u1

response 2423

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 105.00 | 100.00 | 100.00 |
| 77.00  | 88.20  | 67.50# |
| 51.00  | 30.60  | 28.46  |
| 0.00   | 0.00   | 0.00   |

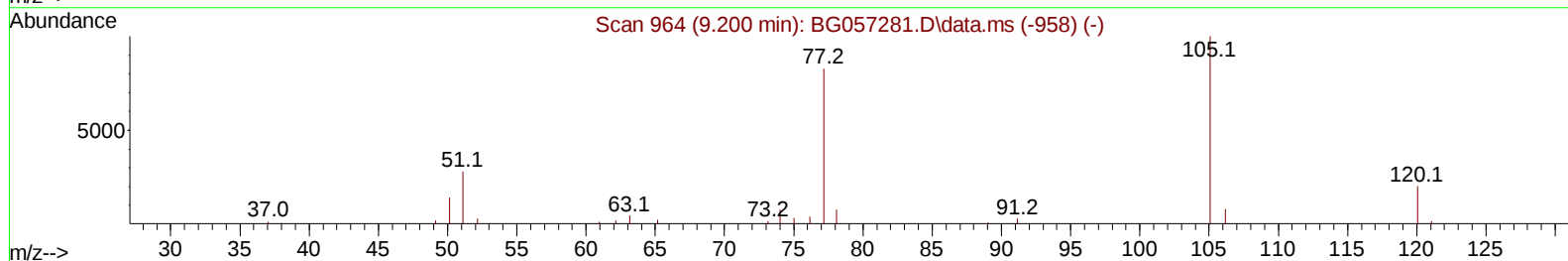
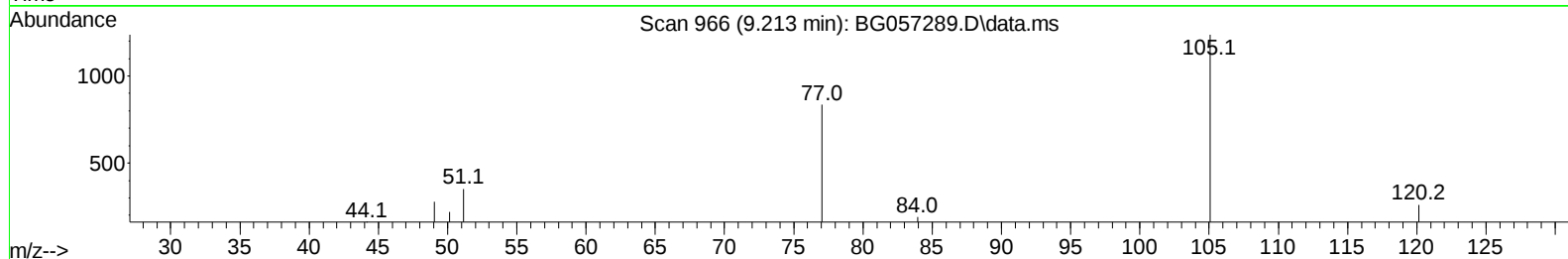
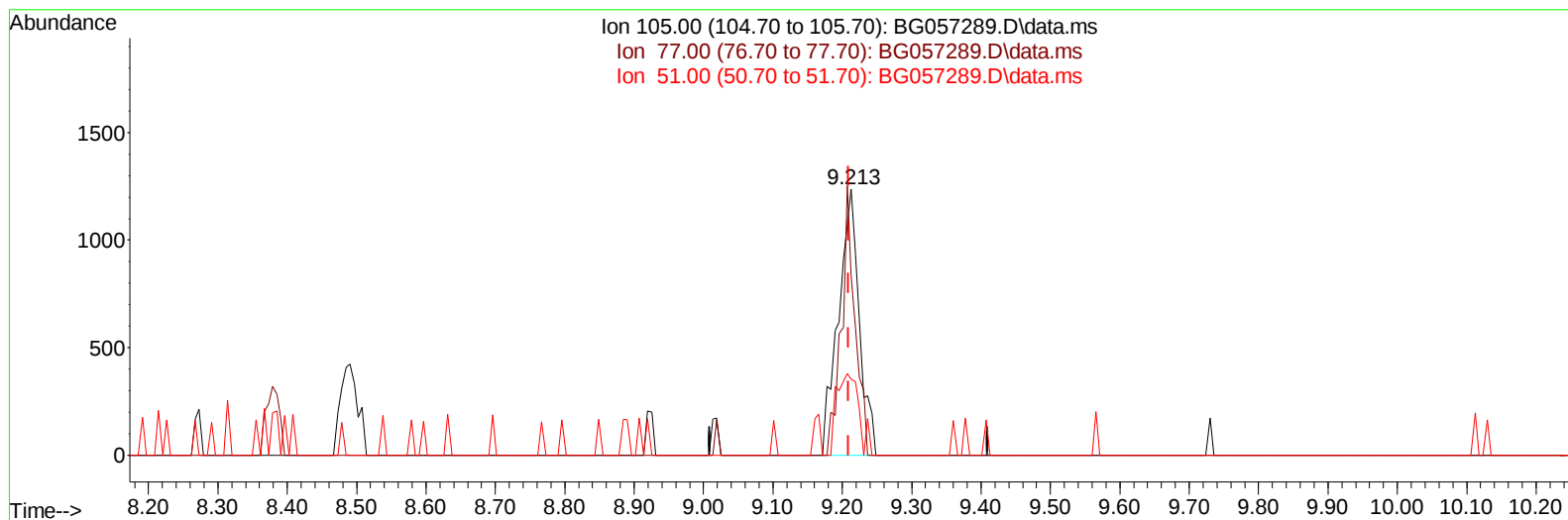
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
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Manual IntegrationsAPPROVED

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Reviewed By :Christian Giraldo 05/04/2023  
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TIC: BG057289.D\data.ms

(16) Acetophenone

9.213min (+ 0.004) 1.56 ng/u1 m

response 2588

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 105.00 | 100.00 | 100.00 |
| 77.00  | 88.20  | 67.50# |
| 51.00  | 30.60  | 28.46  |
| 0.00   | 0.00   | 0.00   |





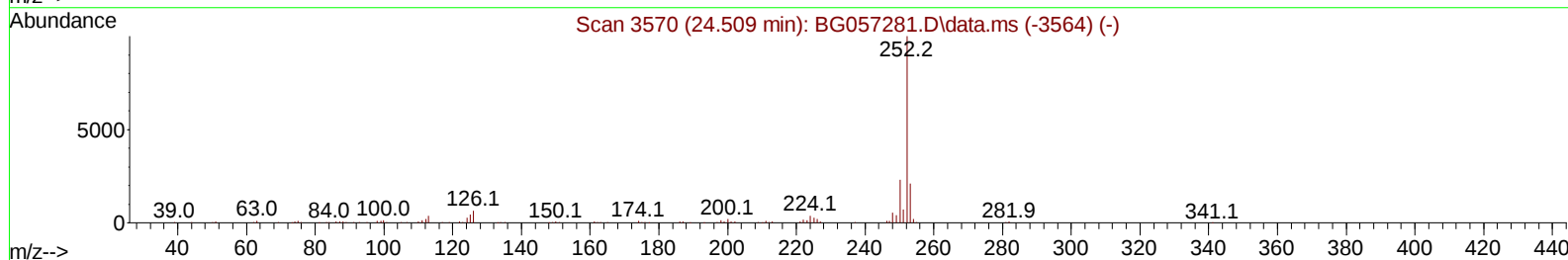
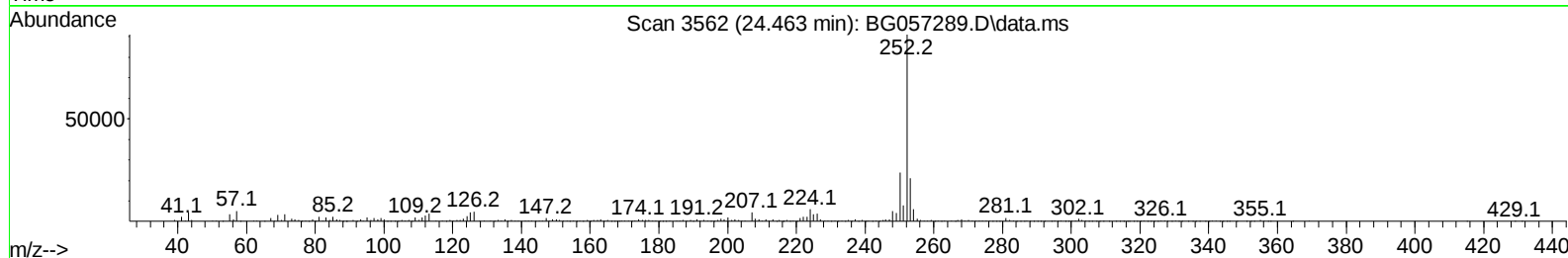
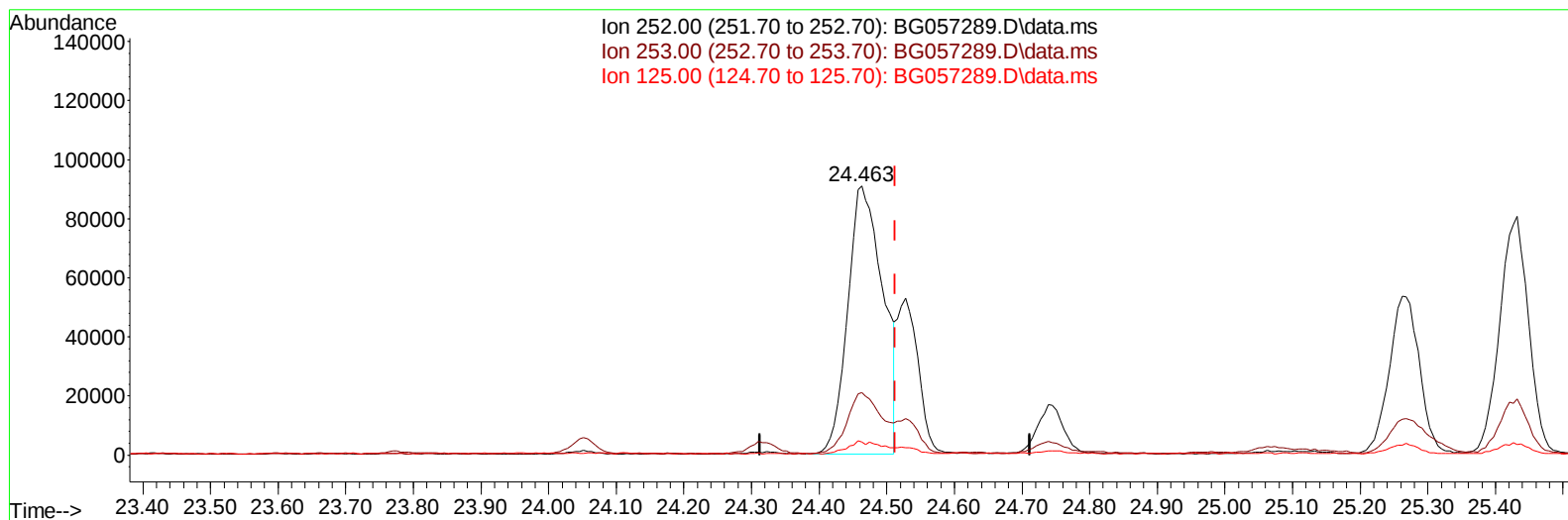
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Data File : BG057289.D  
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Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/04/2023  
Supervised By :Jagrut Upadhyay 05/04/2023

Quant Time: May 04 03:01:43 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: BG057289.D\data.ms

## (91) Benzo(k)fluoranthene

24.463min (-0.049) 50.52 ng/u1

response 327644

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 23.22  |
| 125.00 | 5.60   | 4.92   |
| 0.00   | 0.00   | 0.00   |

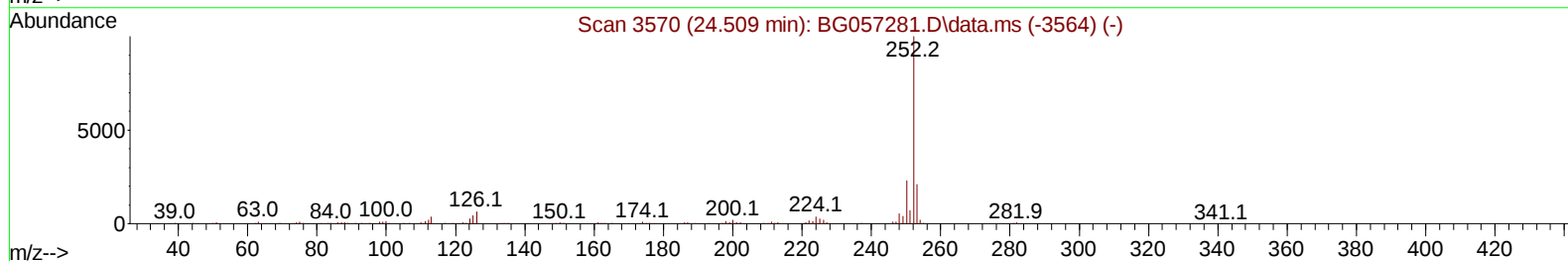
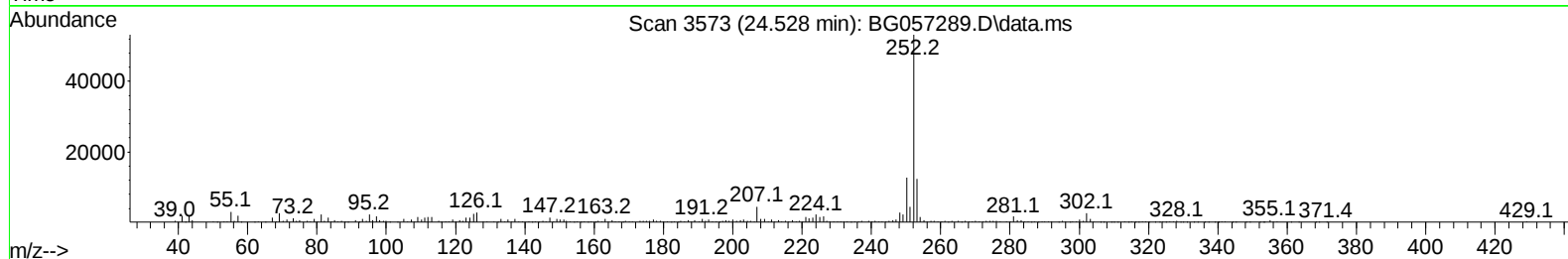
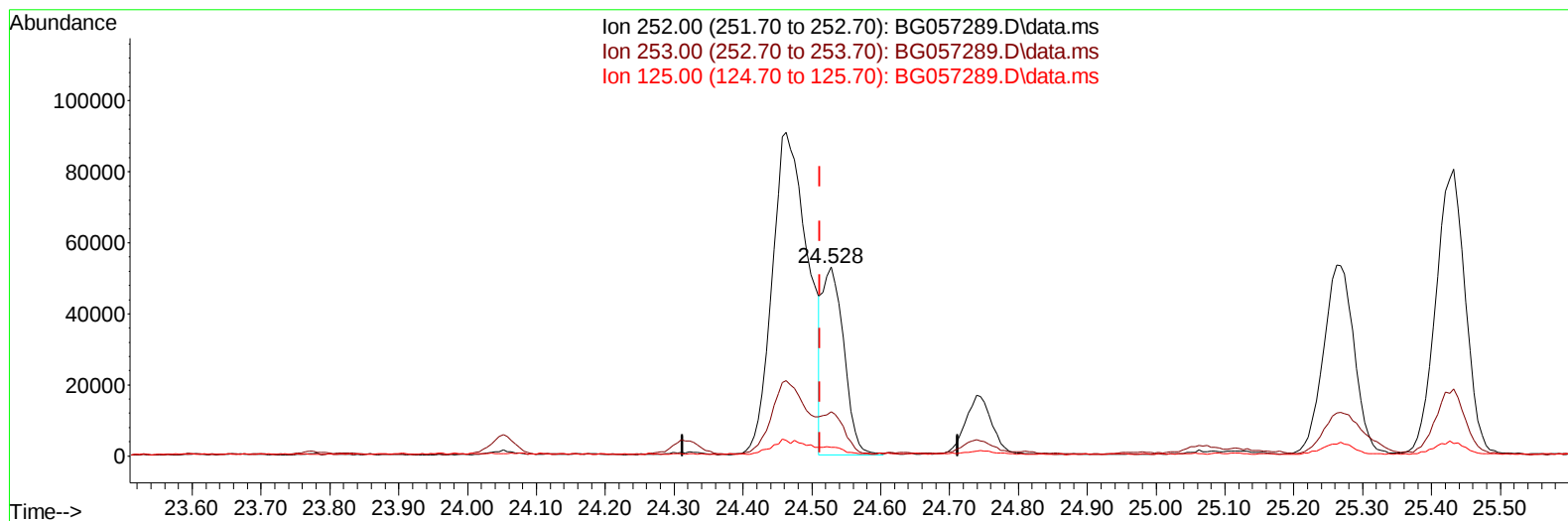
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
Data File : BG057289.D  
Acq On : 3 May 2023 16:35  
Operator : CG/JU  
Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

Manual IntegrationsAPPROVED

Quant Time: May 04 03:01:43 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 05/04/2023  
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TIC: BG057289.D\data.ms

(91) Benzo(k)fluoranthene

24.528min (+ 0.015) 17.44 ng/ul m

response 113089

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 23.33  |
| 125.00 | 5.60   | 4.69   |
| 0.00   | 0.00   | 0.00   |

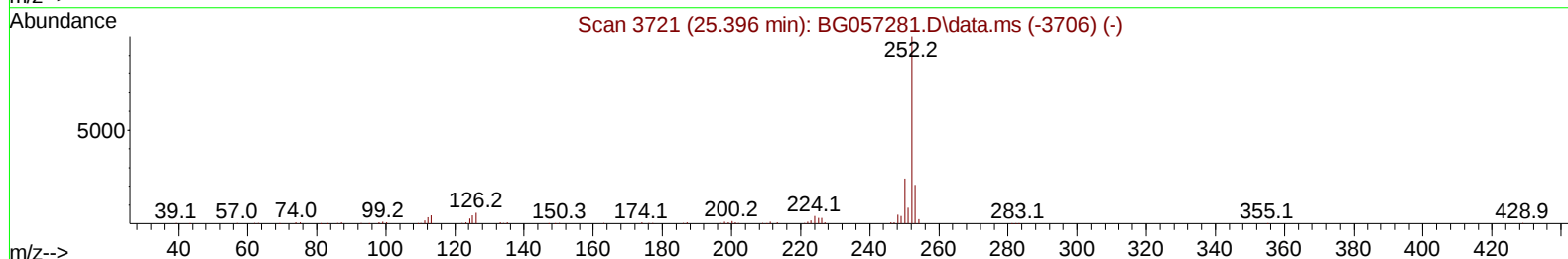
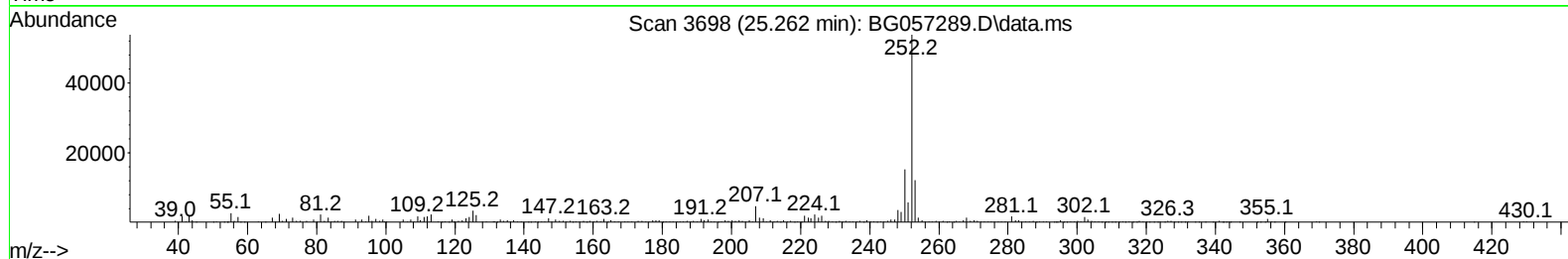
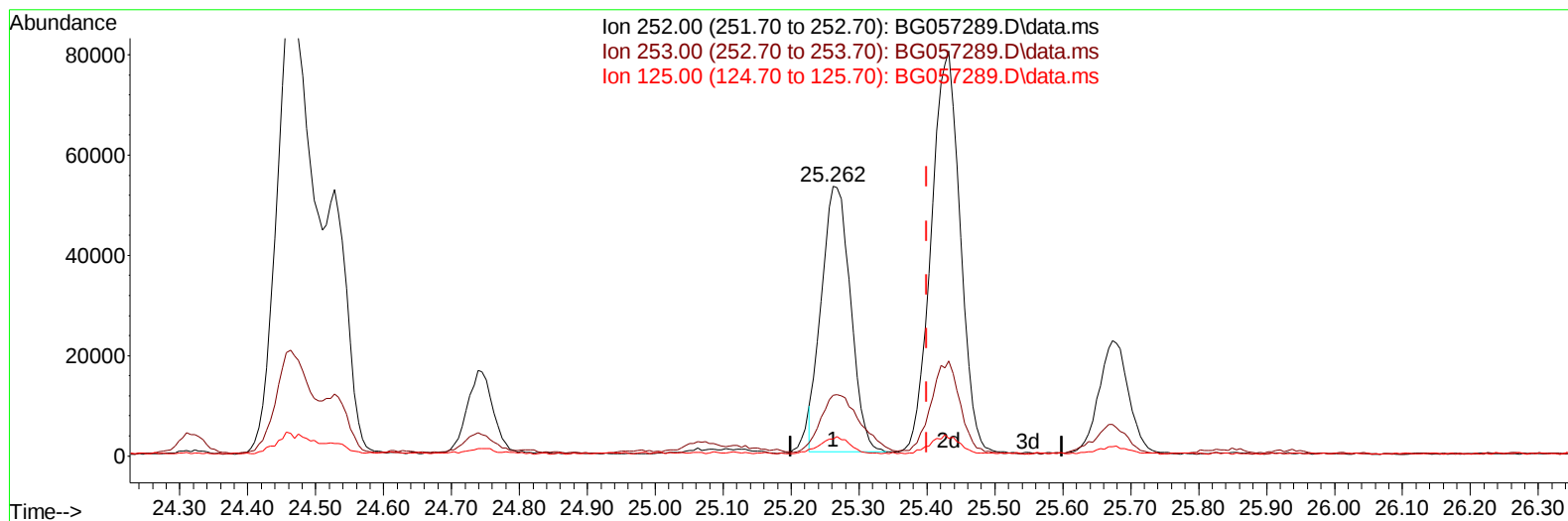
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
Data File : BG057289.D  
Acq On : 3 May 2023 16:35  
Operator : CG/JU  
Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

Manual IntegrationsAPPROVED

Quant Time: May 04 03:01:43 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 05/04/2023  
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TIC: BG057289.D\data.ms

(93) Benzo(a)pyrene (C)

25.262min (-0.137) 27.17 ng/u1

response 156337

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.50  | 22.51  |
| 125.00 | 6.40   | 6.25   |
| 0.00   | 0.00   | 0.00   |

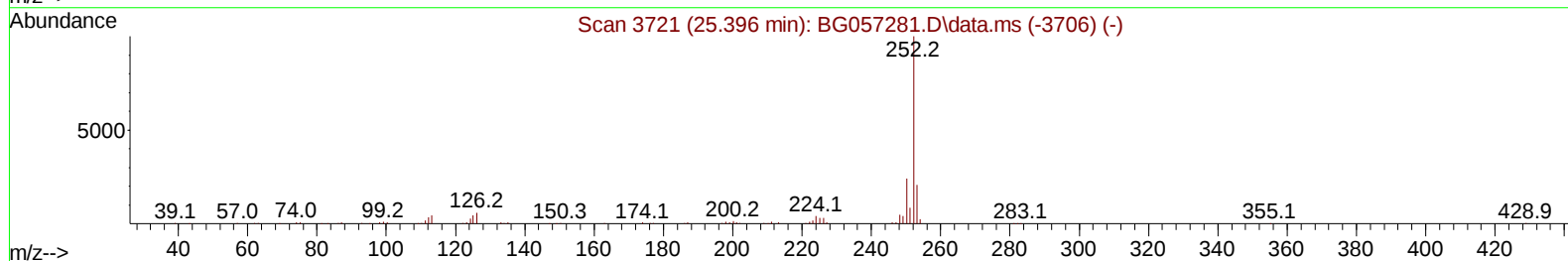
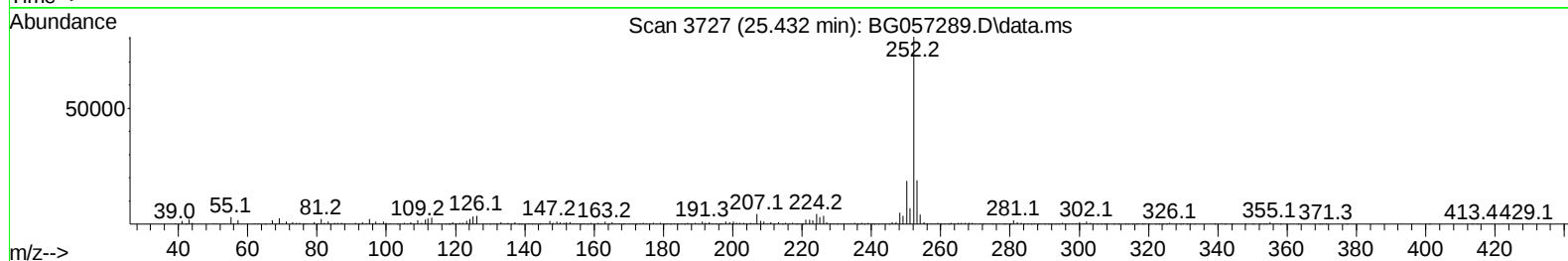
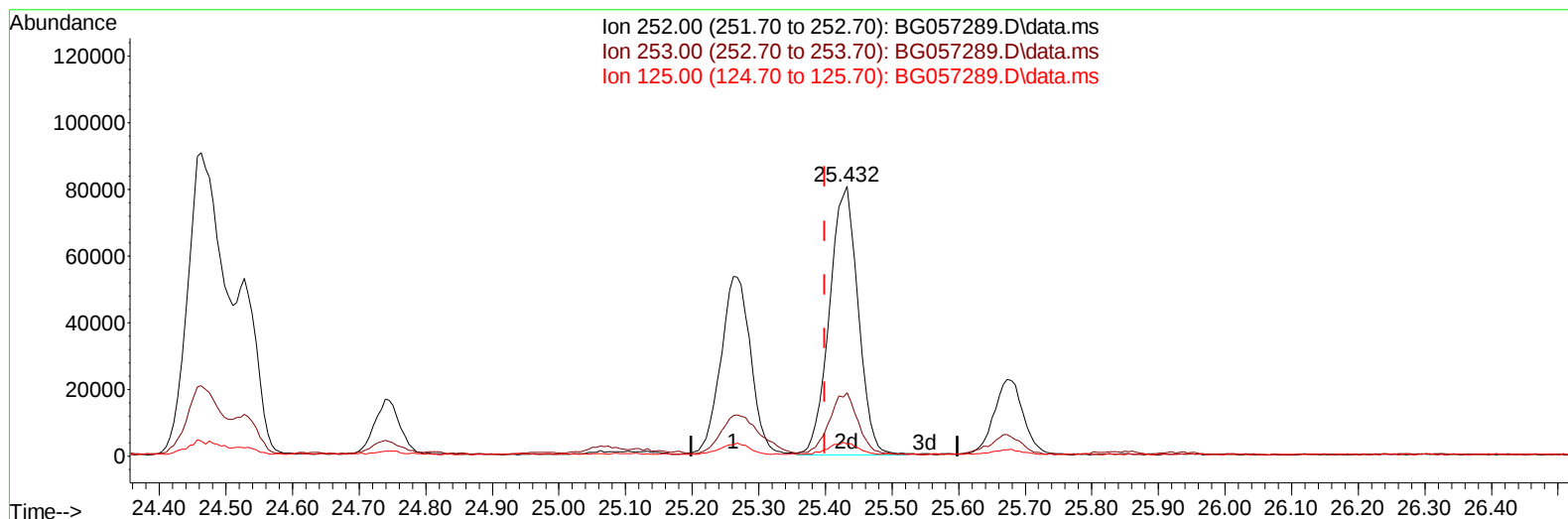
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
 Data File : BG057289.D  
 Acq On : 3 May 2023 16:35  
 Operator : CG/JU  
 Sample : 02419-22  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW919

Manual IntegrationsAPPROVED

Quant Time: May 04 03:01:43 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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Reviewed By :Christian Giraldo 05/04/2023  
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TIC: BG057289.D\data.ms

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

**25.432min (+ 0.033) 41.82 ng/ul m**

**response 240684**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.50  | 23.47  |
| 125.00 | 6.40   | 4.40#  |
| 0.00   | 0.00   | 0.00   |

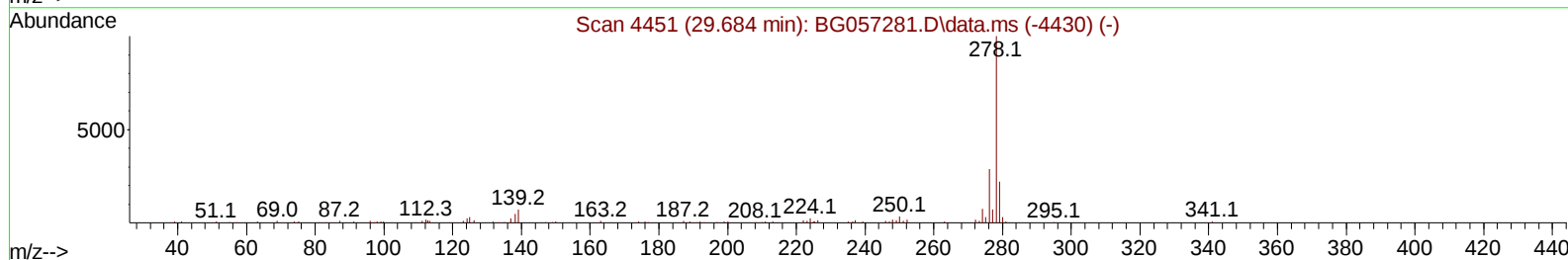
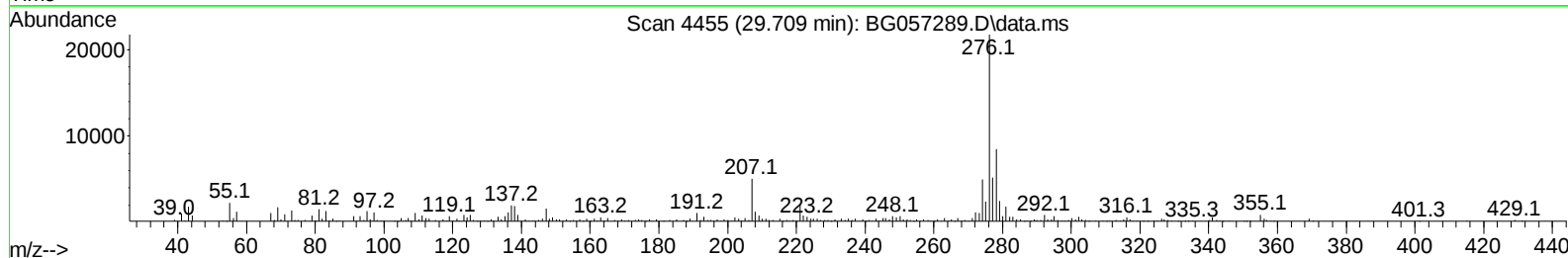
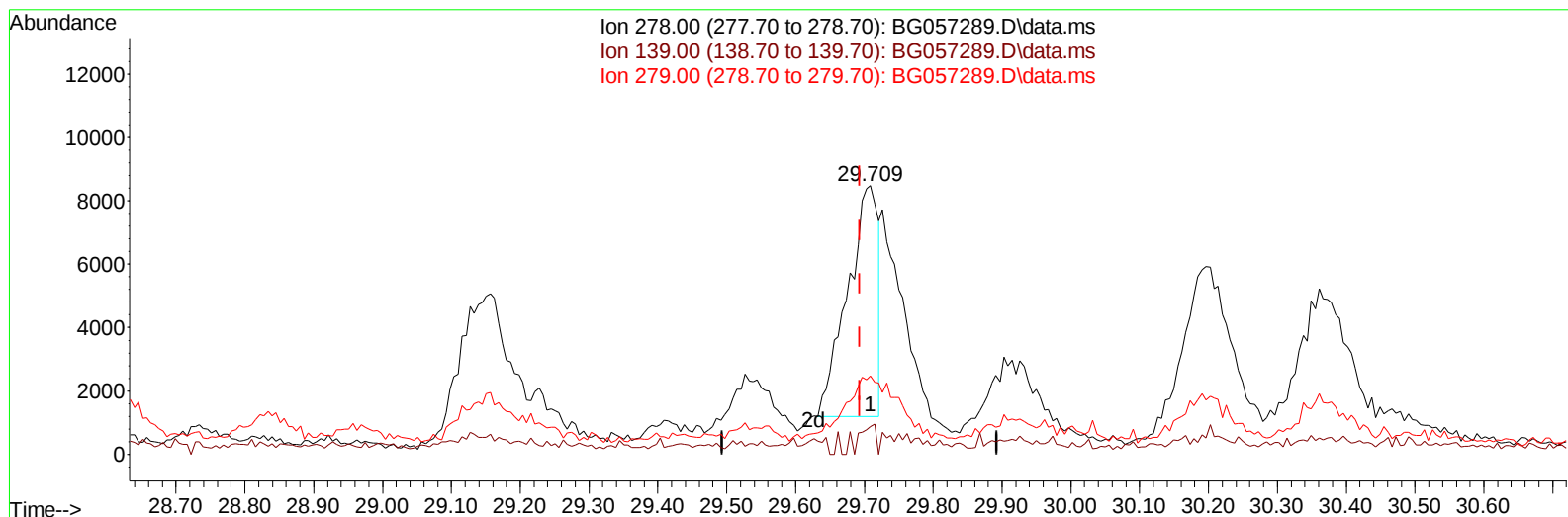
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
Data File : BG057289.D  
Acq On : 3 May 2023 16:35  
Operator : CG/JU  
Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

Manual IntegrationsAPPROVED

Quant Time: May 04 03:01:43 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 05/04/2023  
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TIC: BG057289.D\data.ms

(95) Dibenzo(a,h)anthracene

29.709min (+ 0.015) 3.74 ng/u1

response 22324

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 7.20   | 10.32# |
| 279.00 | 22.90  | 29.02# |
| 0.00   | 0.00   | 0.00   |

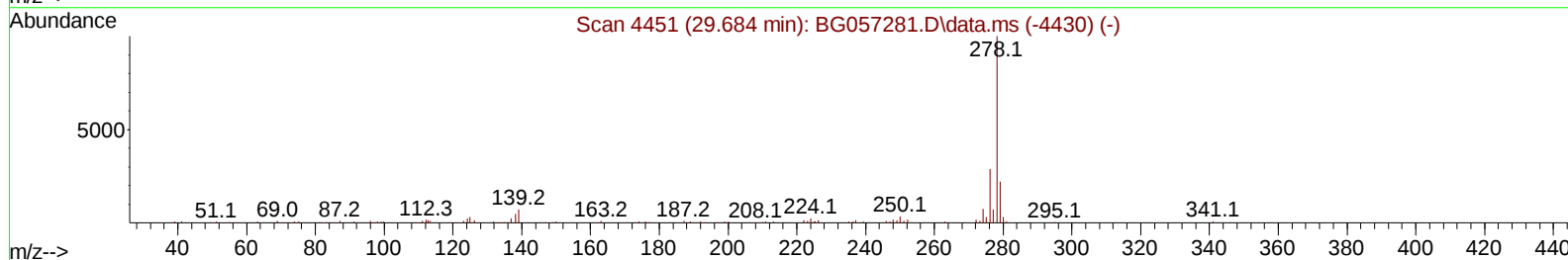
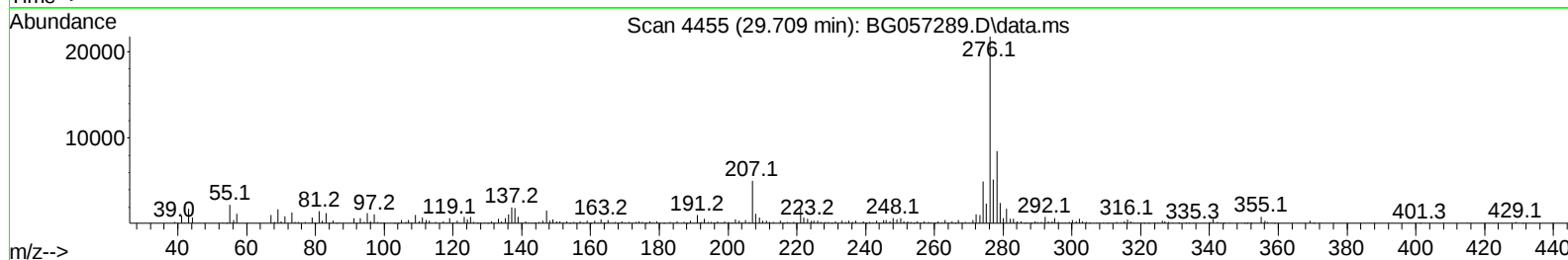
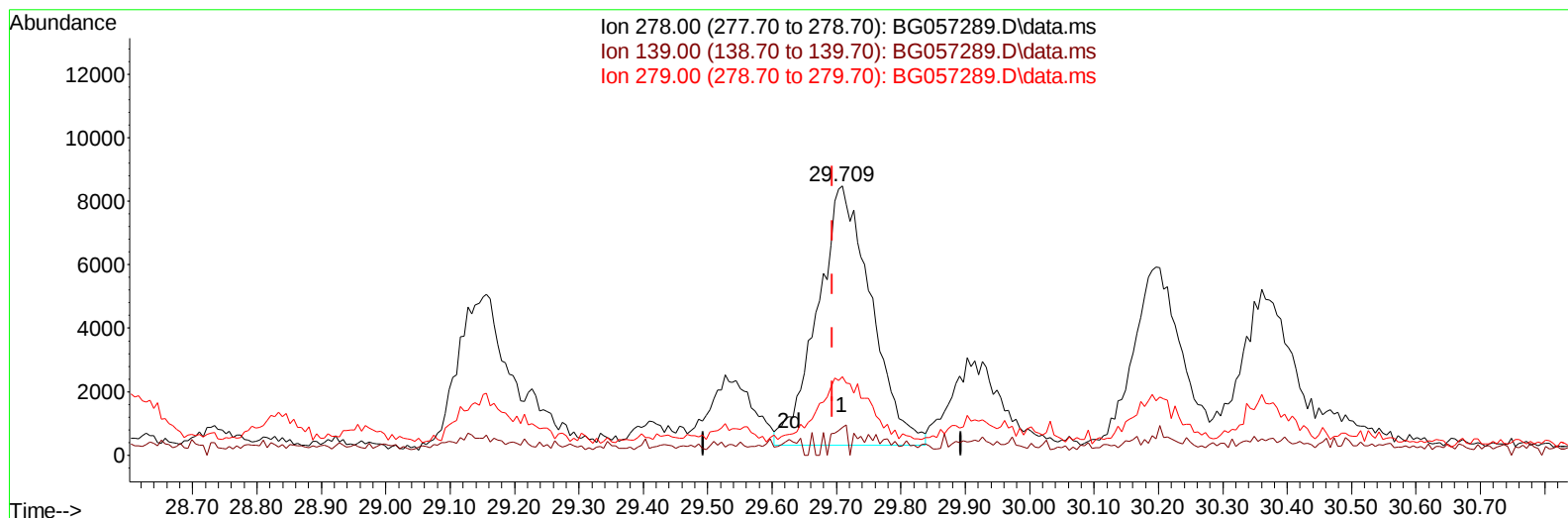
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050323\  
Data File : BG057289.D  
Acq On : 3 May 2023 16:35  
Operator : CG/JU  
Sample : 02419-22  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EW919

Manual IntegrationsAPPROVED

Quant Time: May 04 03:01:43 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 05/04/2023  
Supervised By :Jagrut Upadhyay 05/04/2023



TIC: BG057289.D\data.ms

(95) Dibenzo(a,h)anthracene

29.709min (+ 0.015) 7.94 ng/ul m

response 47384

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 7.20   | 10.32# |
| 279.00 | 22.90  | 29.02# |
| 0.00   | 0.00   | 0.00   |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.379  | 152  | 13395    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.216 | 136  | 57685    | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.993 | 164  | 46319    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.737 | 188  | 107181   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 22.060 | 240  | 90047    | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.585 | 264  | 96259    | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.656  | 96   | 508      | 1.669  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.521  | 99   | 18281    | 14.431 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.680  | 67   | 9844     | 13.212 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.909  | 132  | 13364    | 16.009 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.084  | 113  | 14257    | 14.808 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.554  | 128  | 6842     | 14.894 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.288 | 143  | 7330     | 13.672 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.840 | 165  | 15979    | 15.449 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.340 | 131  | 8197     | 5.979  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.377 | 166  | 58349    | 15.898 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.694 | 160  | 68116    | 16.513 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.193 | 143  | 2711m    | 5.075  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.980 | 176  | 54989    | 16.083 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.104 | 200  | 965      | 1.520  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.837 | 188  | 86842    | 17.751 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.104 | 212  | 93242    | 17.445 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.344 | 264  | 86287    | 17.595 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 9.213  | 105  | 2588m    | 1.562  | ng/ul  |          |
| 30) Naphthalene               | 11.269 | 128  | 4333     | 1.368  | ng/ul# | 96       |
| 36) 2-Methylnaphthalene       | 12.843 | 142  | 4697     | 2.022  | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 13.067 | 142  | 3833     | 1.641  | ng/ul# | 97       |
| 52) Acenaphthene              | 15.058 | 153  | 11912    | 3.988  | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.387 | 168  | 11032    | 2.558  | ng/ul  | 99       |
| 61) Fluorene                  | 16.033 | 166  | 14252    | 3.908  | ng/ul  | 94       |
| 72) Phenanthrene              | 17.778 | 178  | 279135   | 50.011 | ng/ul  | 98       |
| 74) Anthracene                | 17.872 | 178  | 63773    | 11.375 | ng/ul  | 98       |
| 77) Carbazole                 | 18.136 | 167  | 27721    | 5.916  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.769 | 202  | 532821   | 83.920 | ng/ul# | 96       |
| 82) Pyrene                    | 20.134 | 202  | 458077   | 71.269 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 22.037 | 228  | 248483   | 39.017 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.872 | 149  | 3695     | 1.234  | ng/ul# | 92       |
| 87) Chrysene                  | 22.107 | 228  | 226521   | 37.700 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 24.463 | 252  | 327644   | 49.153 | ng/ul  | 95       |
| 91) Benzo(k)fluoranthene      | 24.528 | 252  | 113089m  | 17.438 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 25.432 | 252  | 240684m  | 41.823 | ng/ul  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 29.685 | 276  | 156785   | 21.795 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.709 | 278  | 47384m   | 7.944  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.966 | 276  | 138582   | 23.803 | ng/ul  | 96       |
| -----                         |        |      |          |        |        |          |

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 Sample : 02419-22  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW919

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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

| Compound                                                                   | R.T. | Q | Ion | Response | Conc | Units | Dev | (Min) |
|----------------------------------------------------------------------------|------|---|-----|----------|------|-------|-----|-------|
| -----                                                                      |      |   |     |          |      |       |     |       |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |   |     |          |      |       |     |       |

