

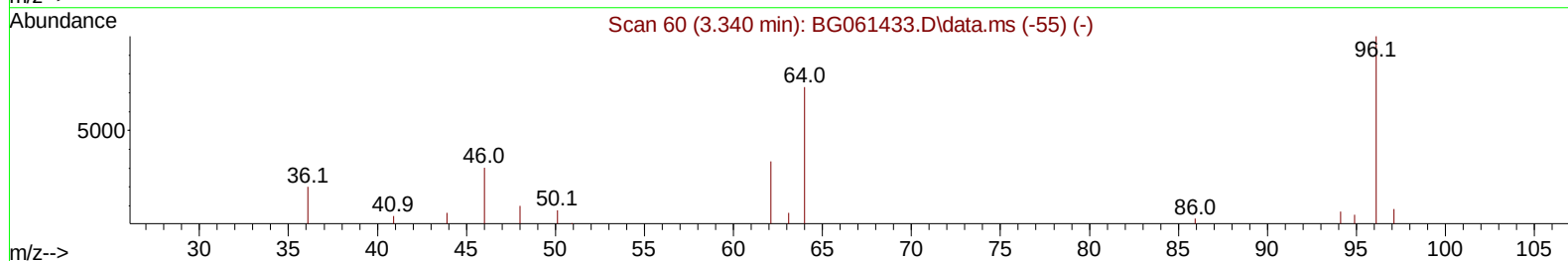
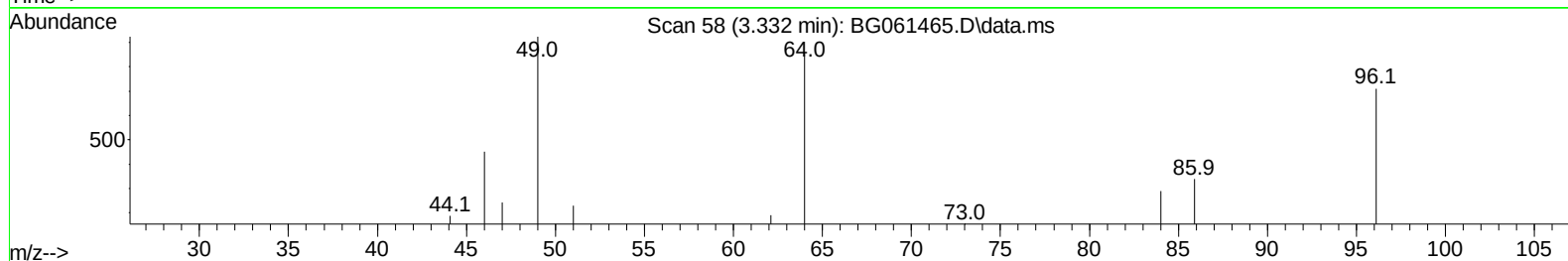
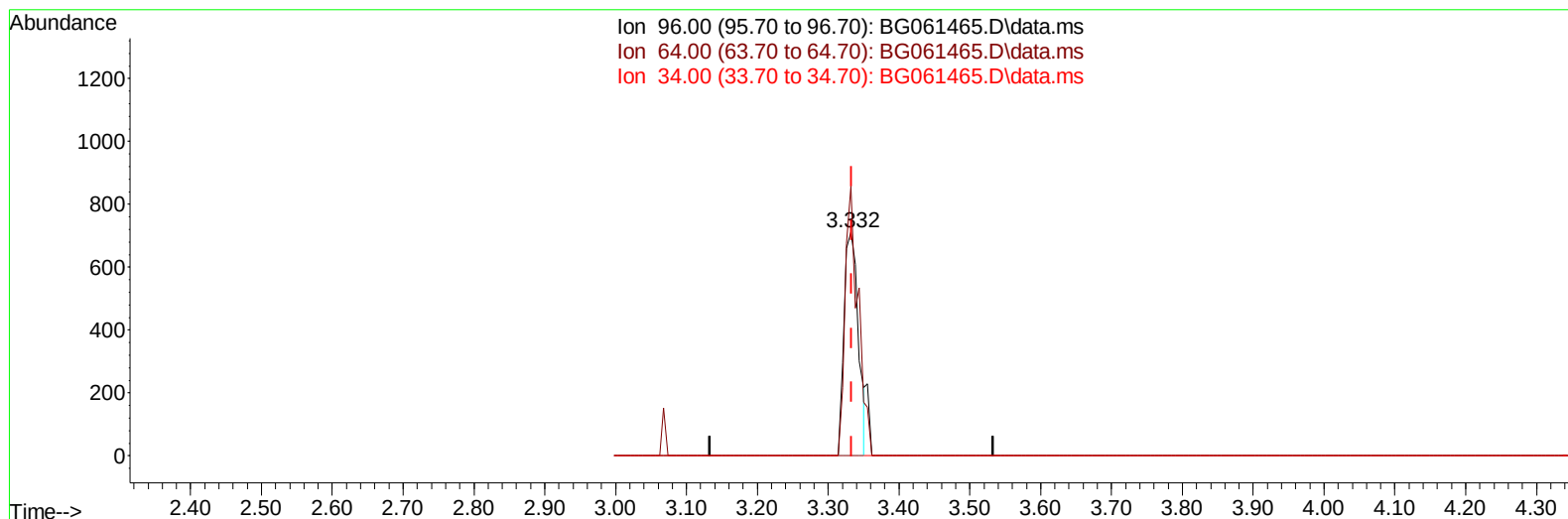
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061465.D  
 Acq On : 4 Jun 2024 21:43  
 Operator : MA/JU  
 Sample : P2590-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:38:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.332min (-0.001) 1.73 ng/uL**

**response 985**

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00  |
| 64.00 | 91.80  | 120.53# |
| 34.00 | 0.00   | 0.00    |
| 0.00  | 0.00   | 0.00    |

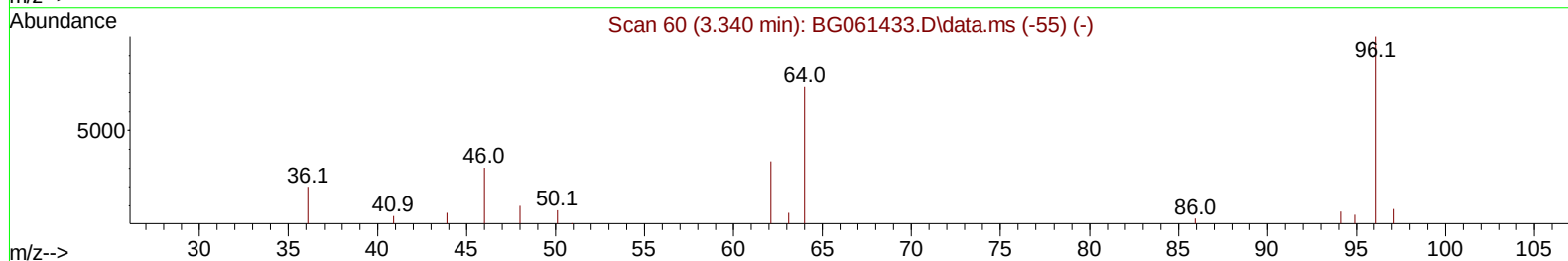
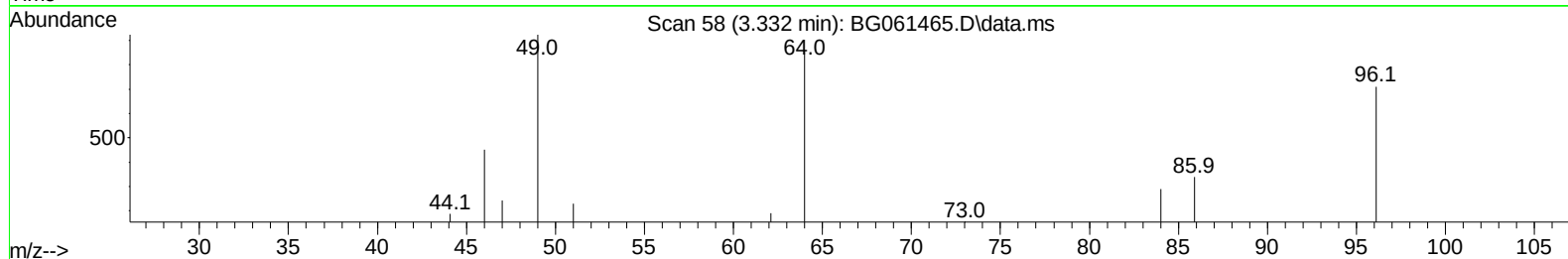
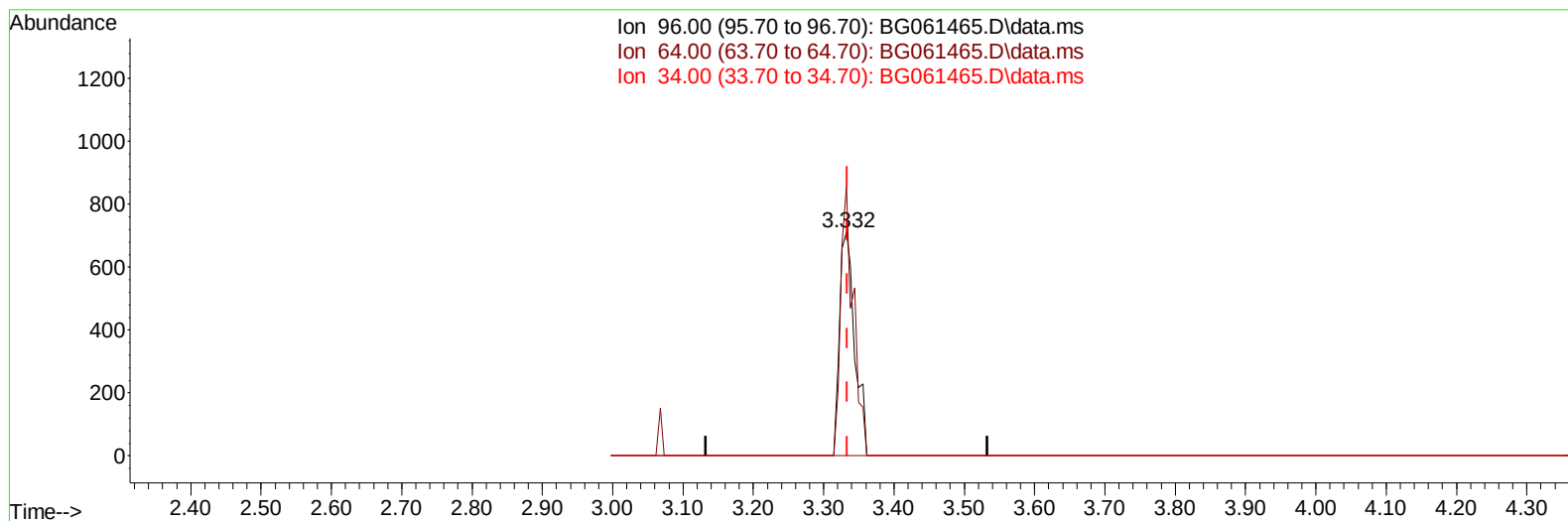
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 04 22:38:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration



TIC: BG061465.D\data.ms

## (3) 1,4-Dioxane-d8 (S)

3.332min (-0.001) 1.87 ng/uL m

response 1066

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00  |
| 64.00 | 91.80  | 120.53# |
| 34.00 | 0.00   | 0.00    |
| 0.00  | 0.00   | 0.00    |

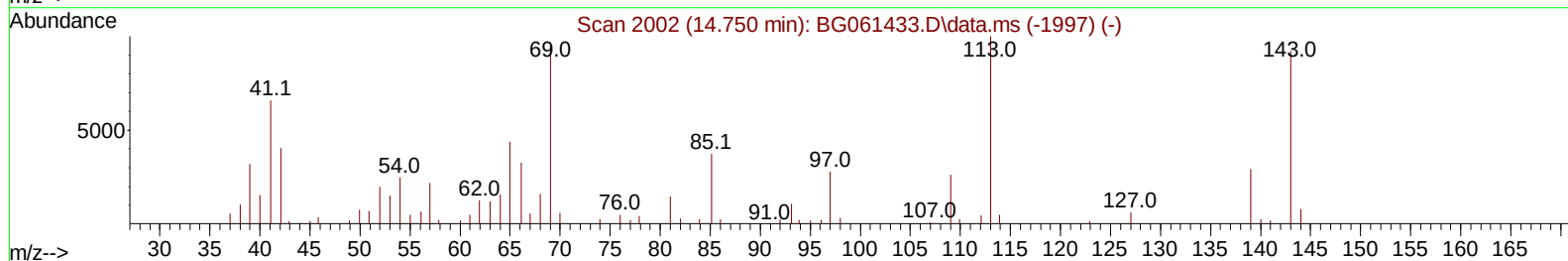
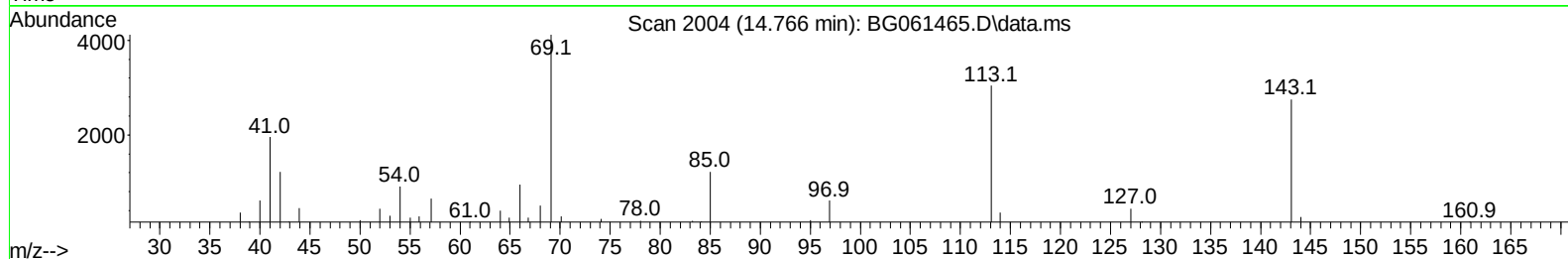
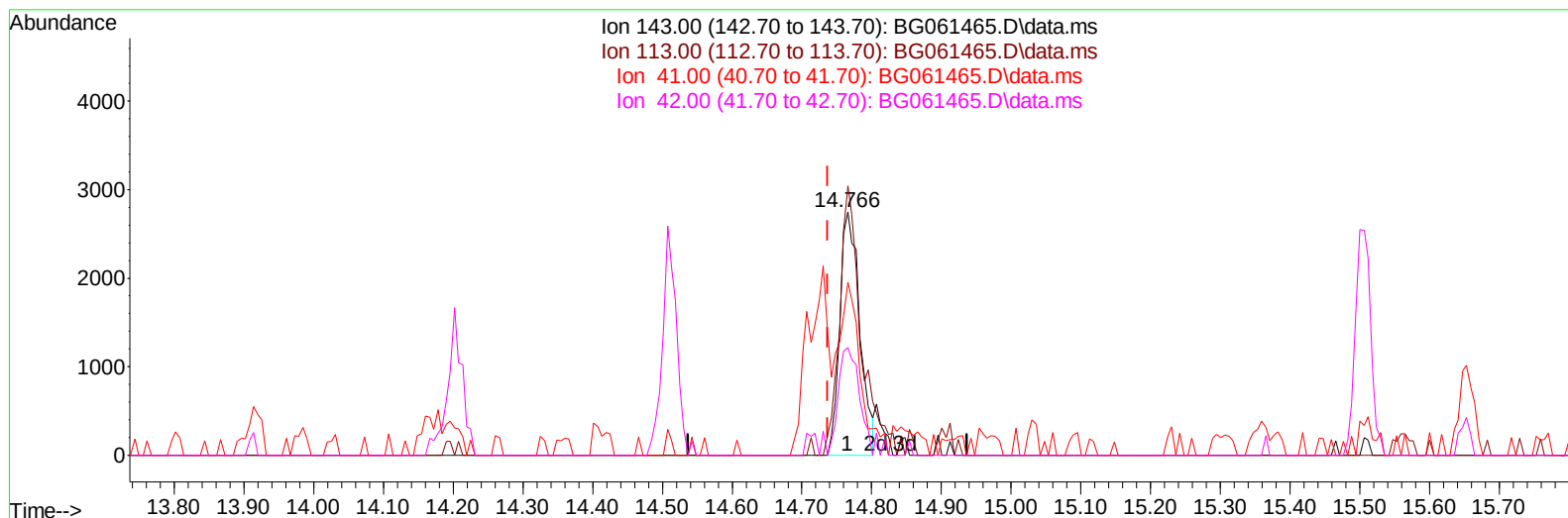
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:48:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.766min (+ 0.028) 6.18 ng/ul

response 5424

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 110.55 |
| 41.00  | 77.10  | 70.95  |
| 42.00  | 49.50  | 44.29  |

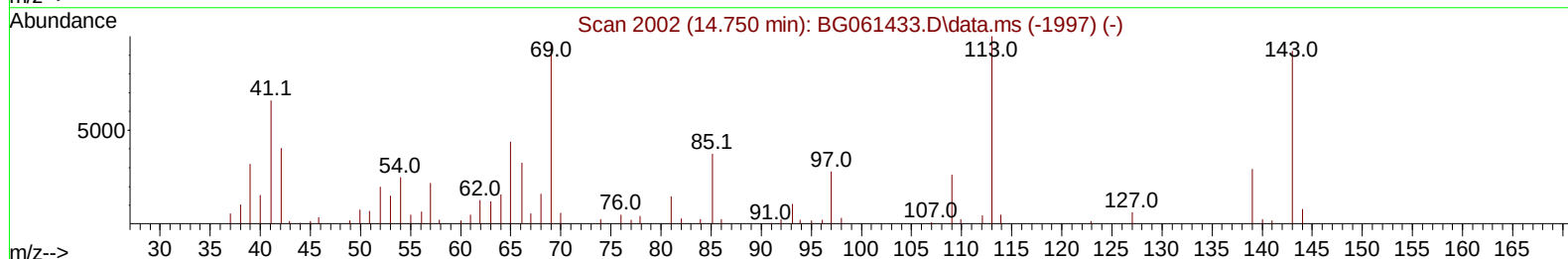
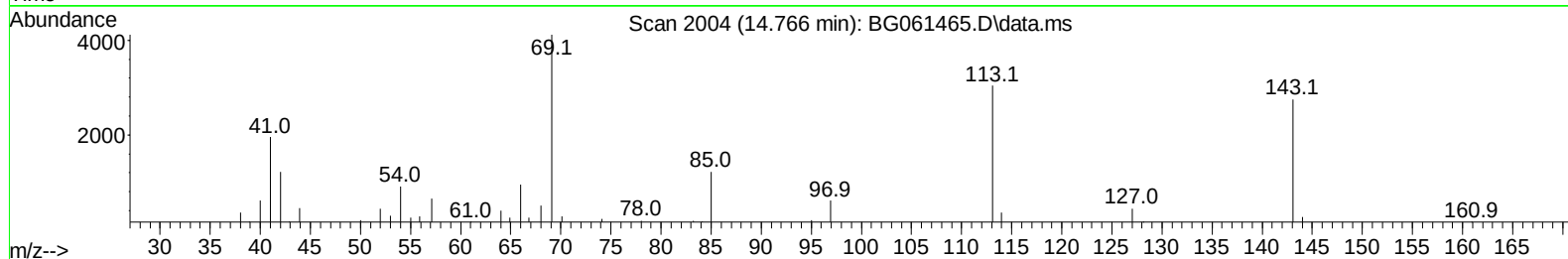
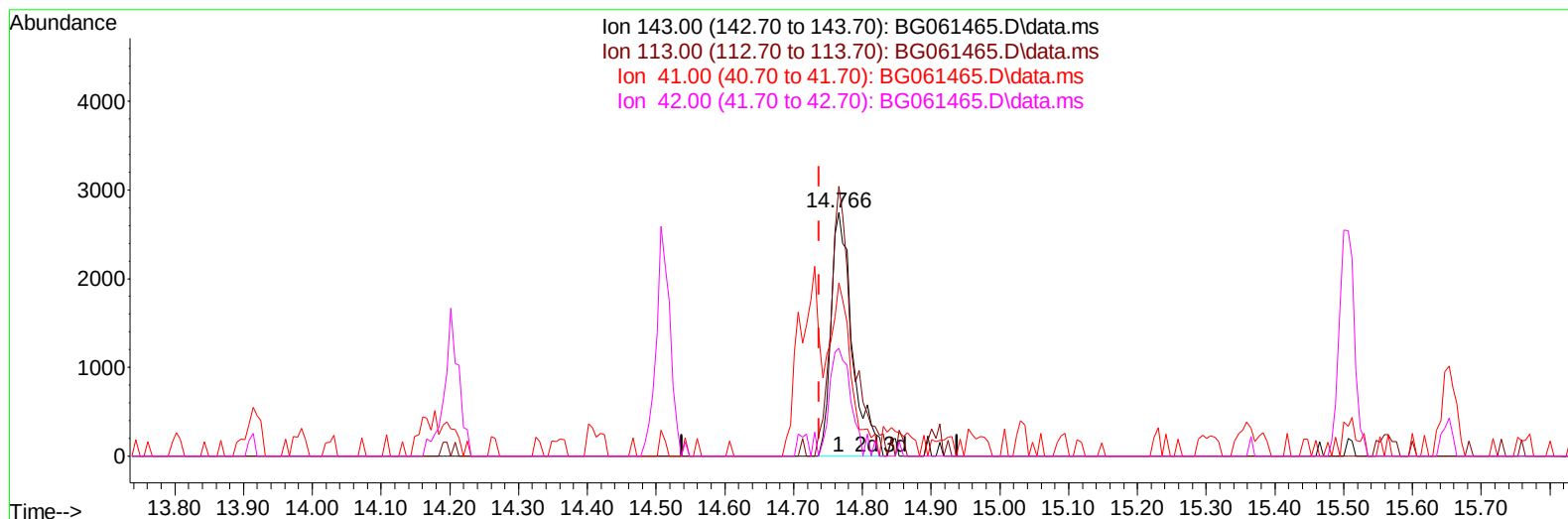
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:48:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.766min (+ 0.028) 6.74 ng/ul m

response 5918

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 110.55 |
| 41.00  | 77.10  | 70.95  |
| 42.00  | 49.50  | 44.29  |

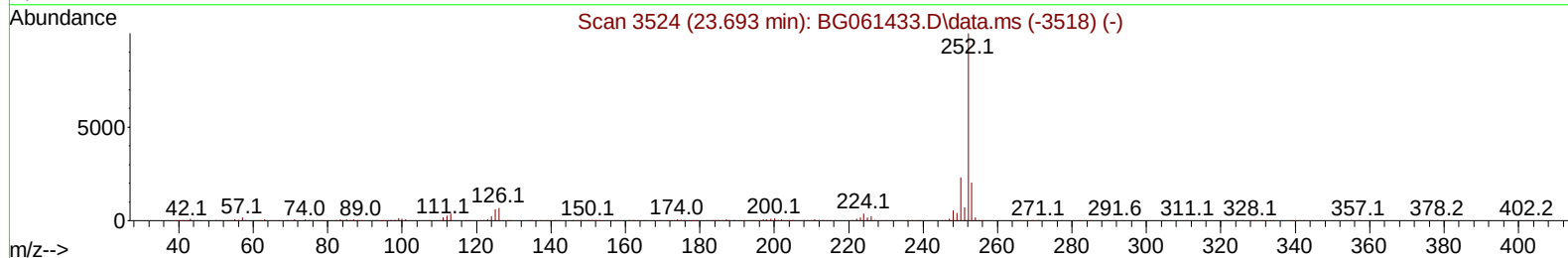
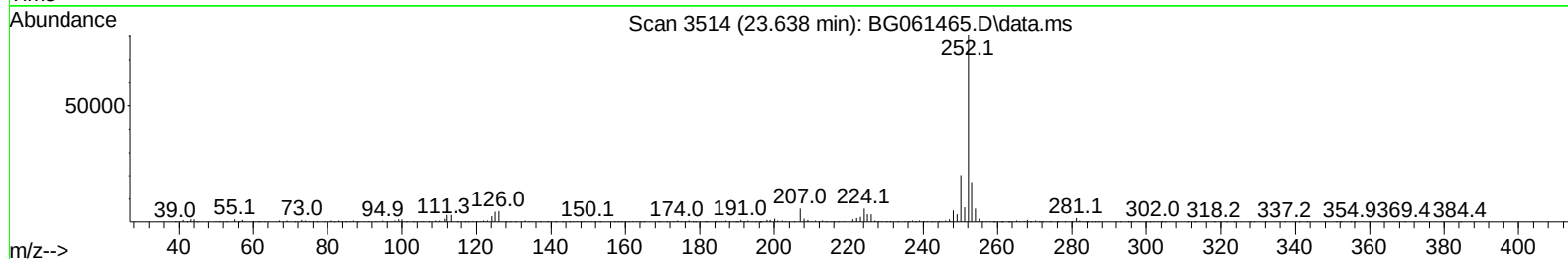
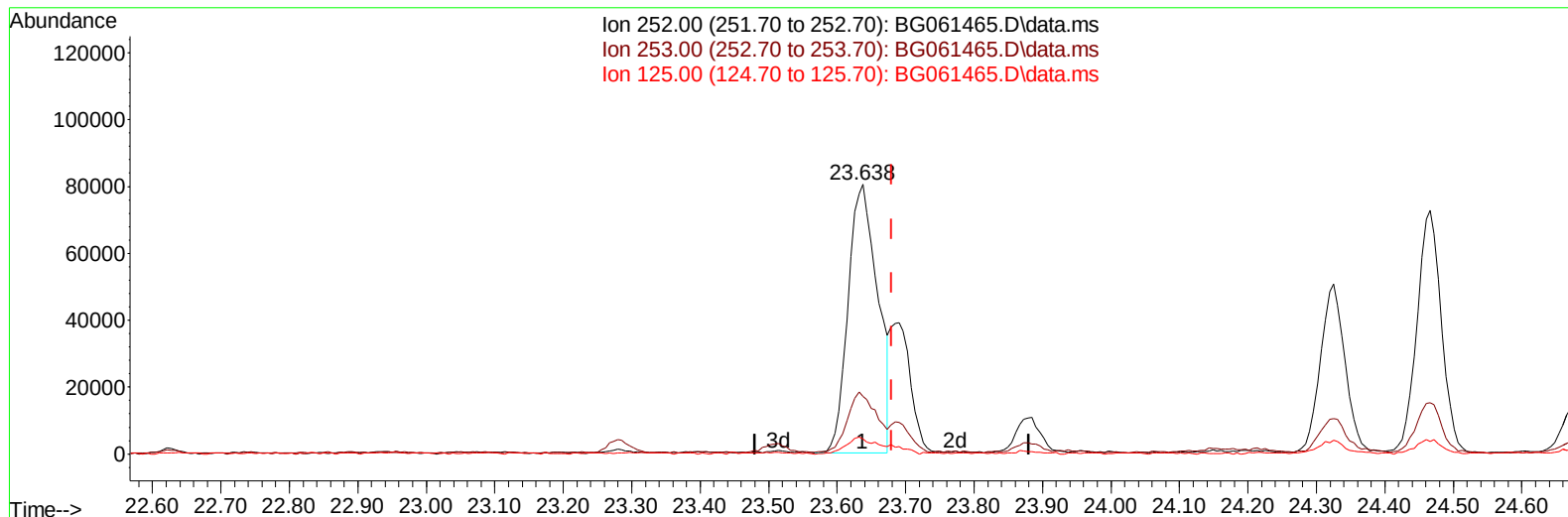
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:49:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

**23.638min (-0.042) 15.54 ng/u1**

**response 240788**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 21.37  |
| 125.00 | 5.40   | 5.57   |
| 0.00   | 0.00   | 0.00   |

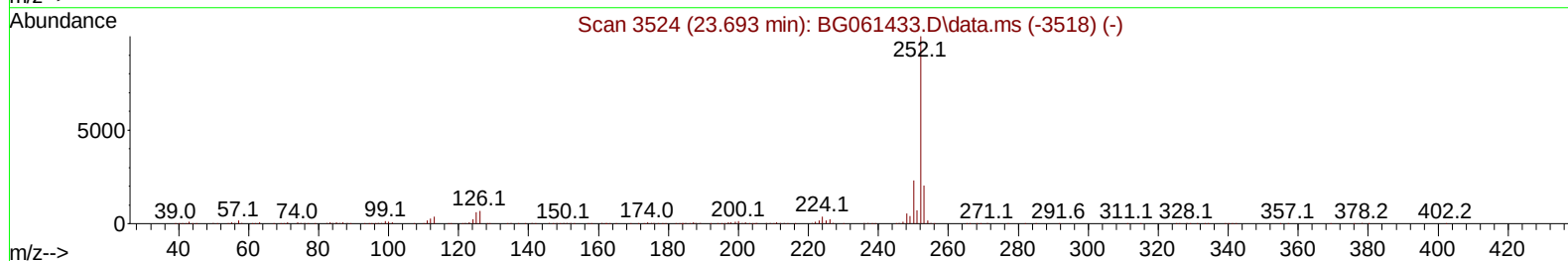
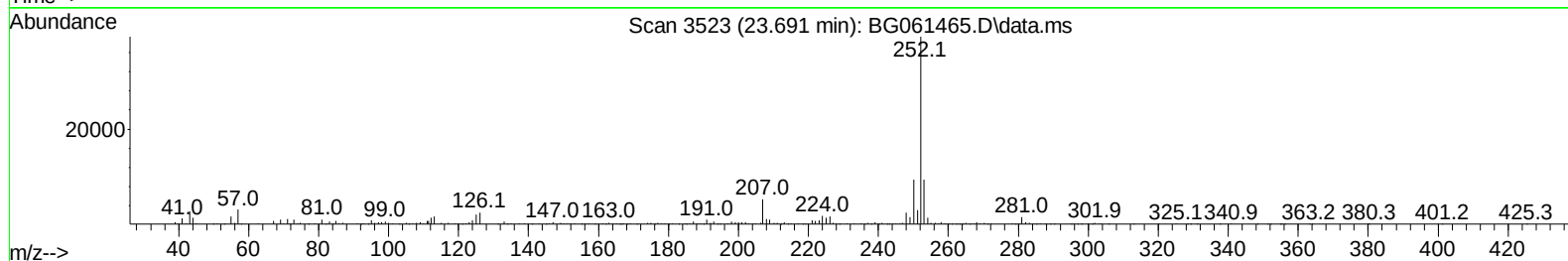
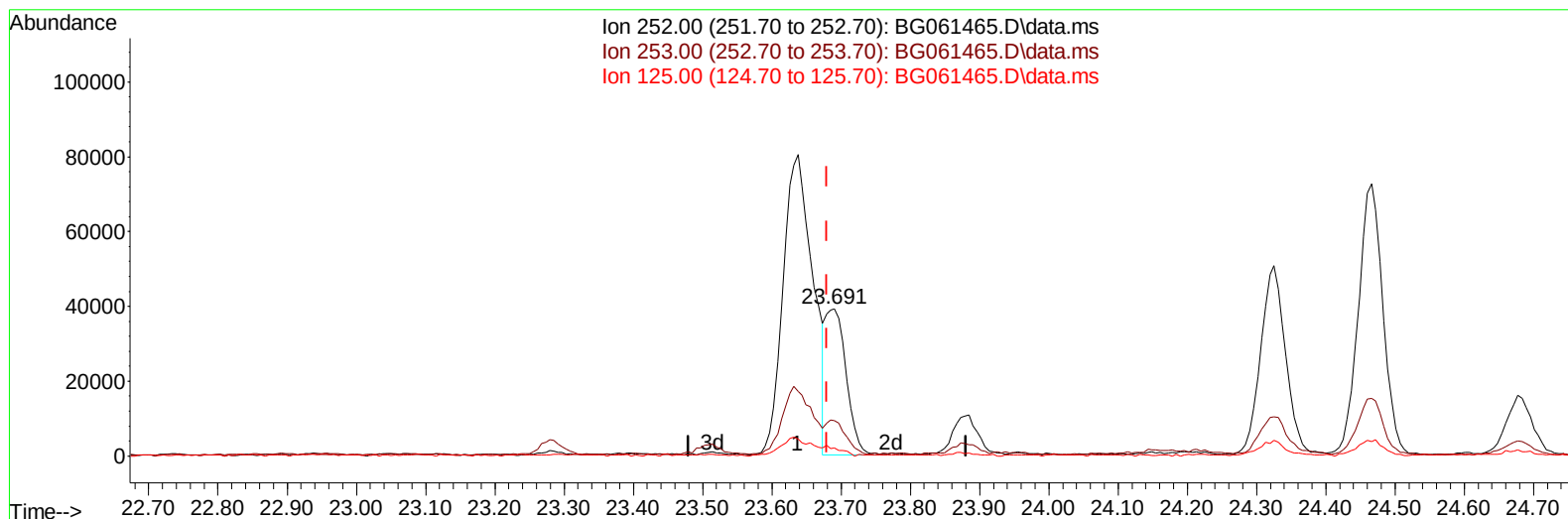
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061465.D  
 Acq On : 4 Jun 2024 21:43  
 Operator : MA/JU  
 Sample : P2590-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:49:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

**23.691min (+ 0.010) 5.17 ng/ul m**

**response 80128**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 24.18# |
| 125.00 | 5.40   | 5.43   |
| 0.00   | 0.00   | 0.00   |

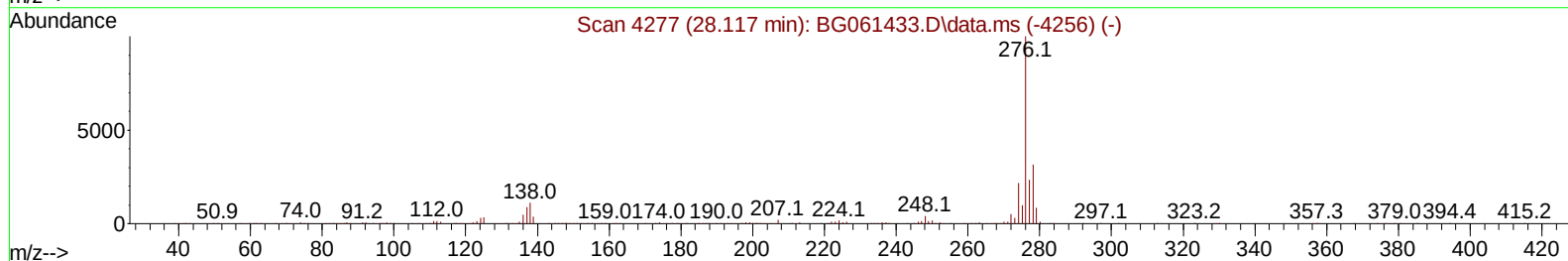
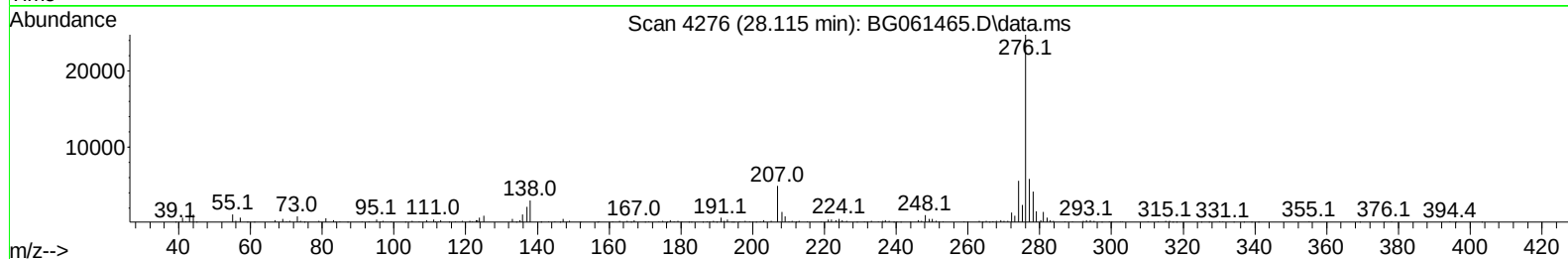
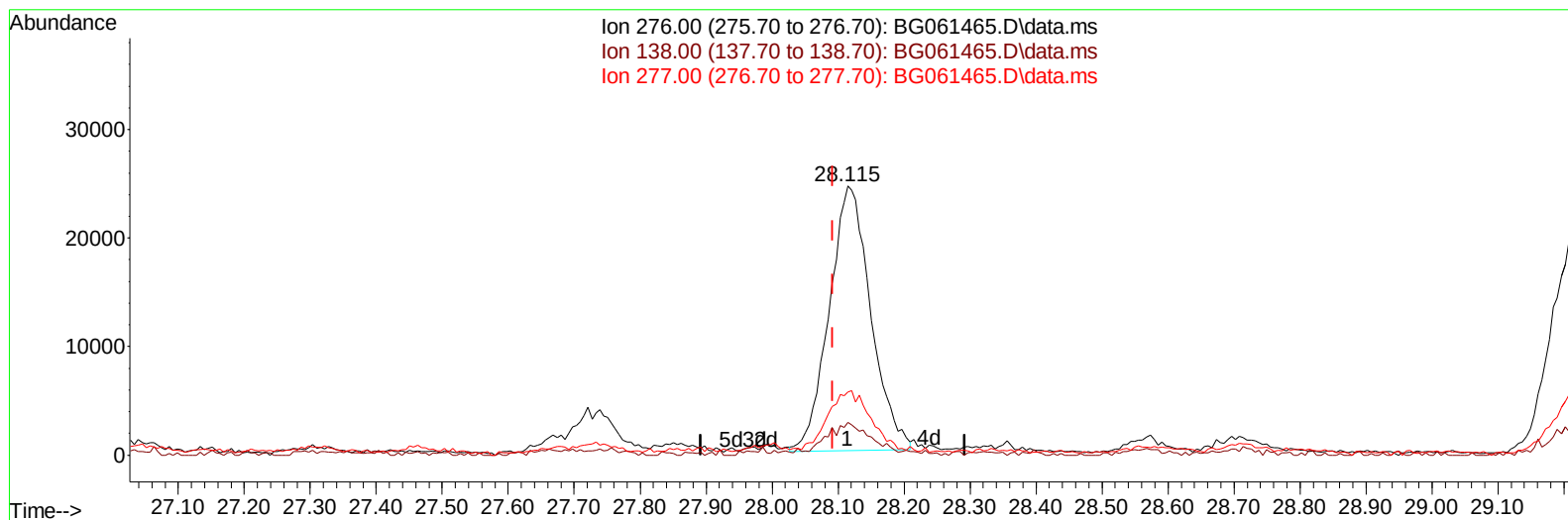
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:49:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

**28.115min (+ 0.022) 6.08 ng/u1**

**response 106641**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 12.23  |
| 277.00 | 24.60  | 23.36  |
| 0.00   | 0.00   | 0.00   |

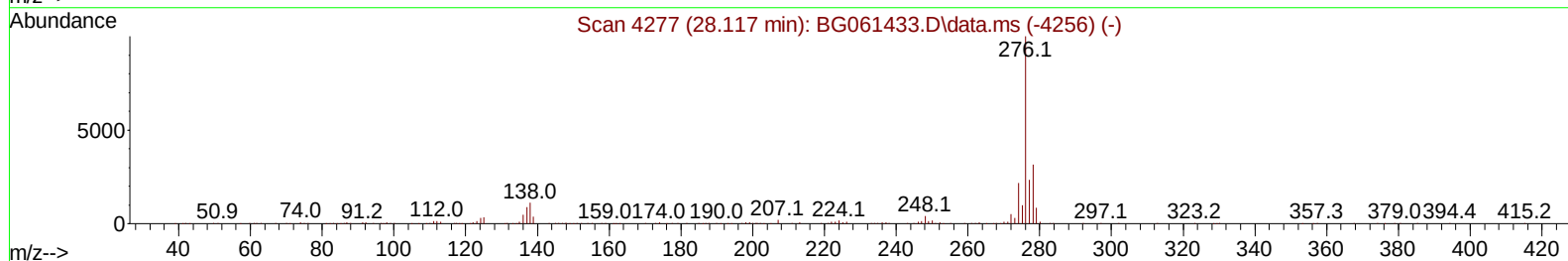
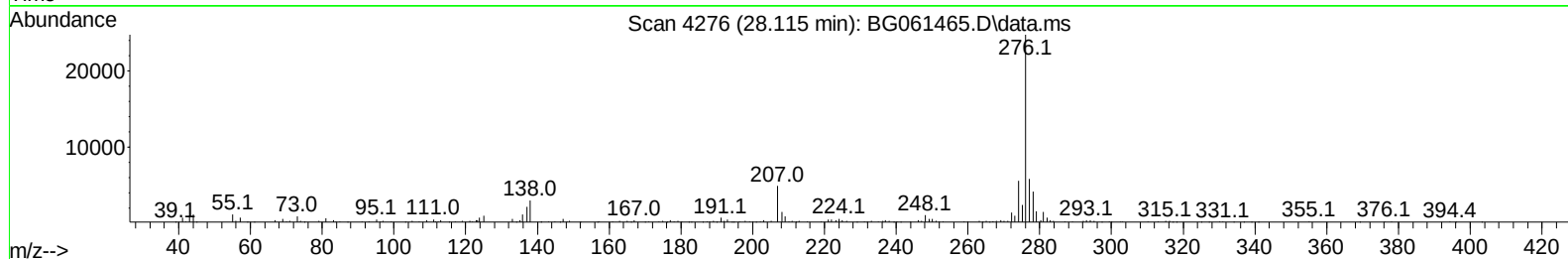
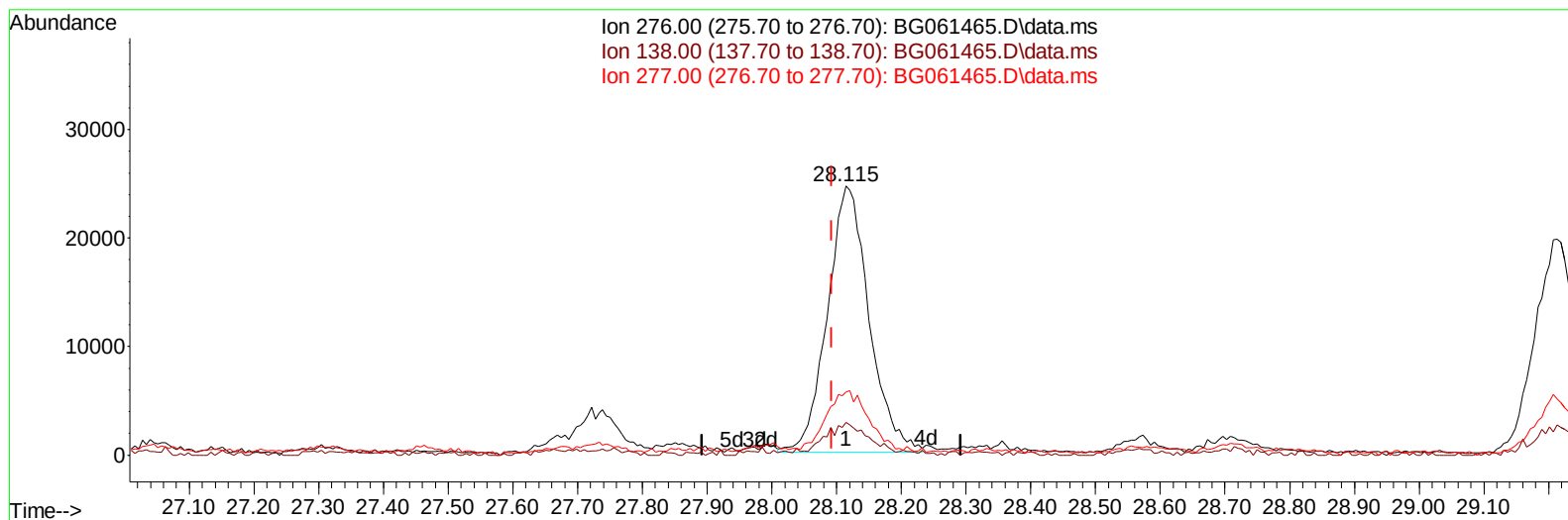
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:49:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

28.115min (+ 0.022) 6.24 ng/u l m

response 109382

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 12.23  |
| 277.00 | 24.60  | 23.36  |
| 0.00   | 0.00   | 0.00   |



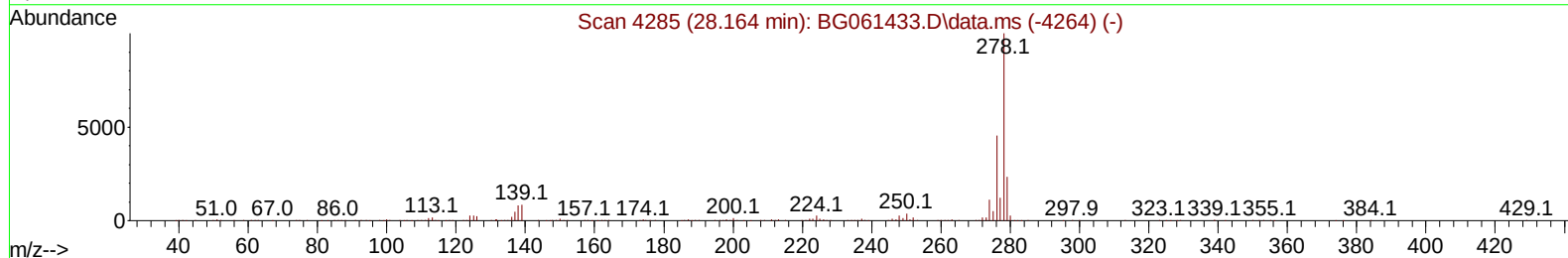
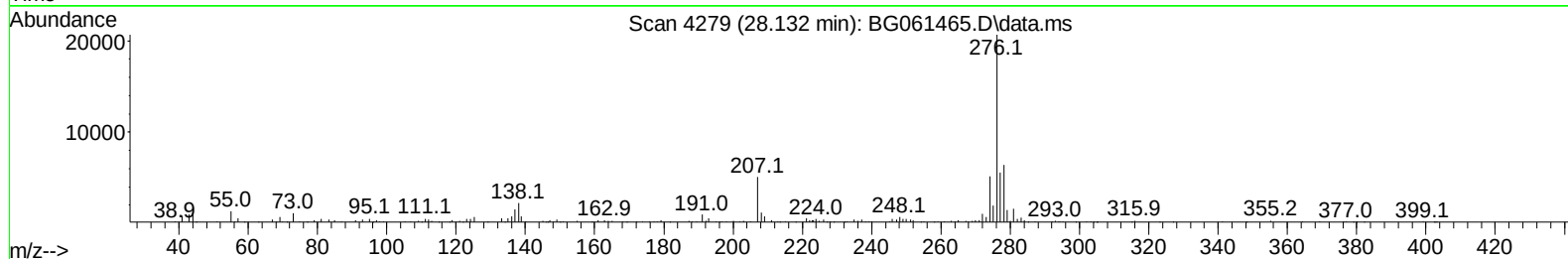
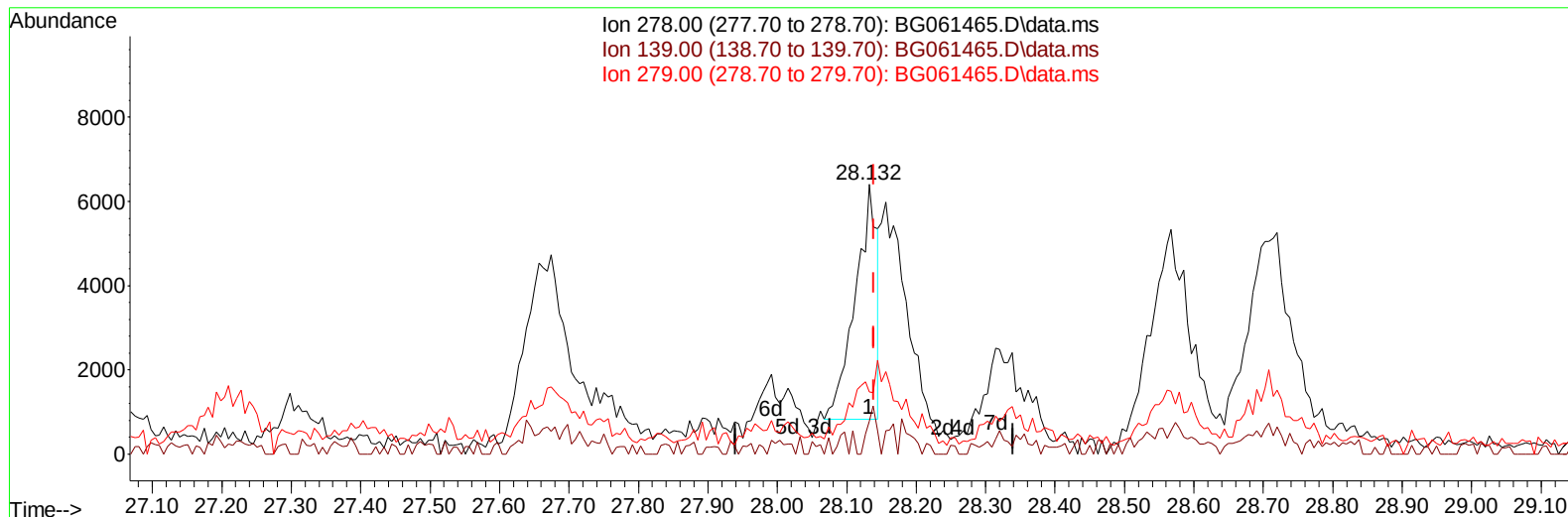
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:50:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

(95) Dibenzo(a,h)anthracene

28.132min (-0.007) 0.83 ng/u1

response 12026

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 12.15# |
| 279.00 | 24.90  | 22.93  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061465.D  
 Acq On : 4 Jun 2024 21:43  
 Operator : MA/JU  
 Sample : P2590-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA\_G

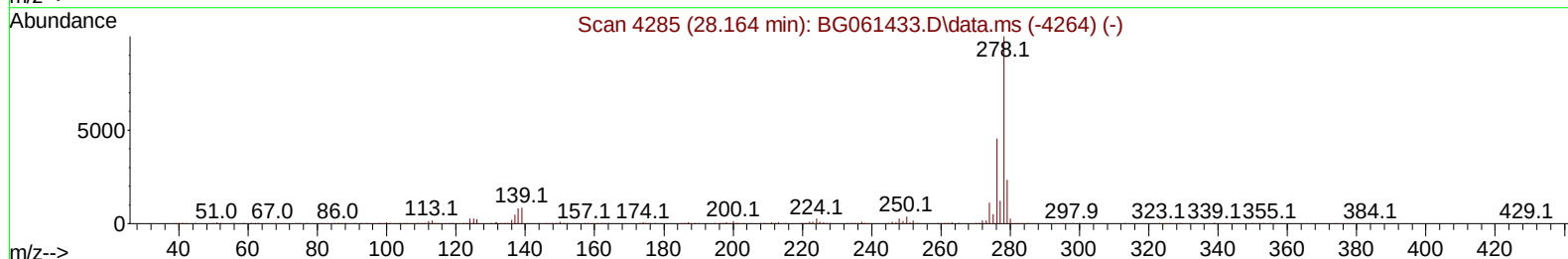
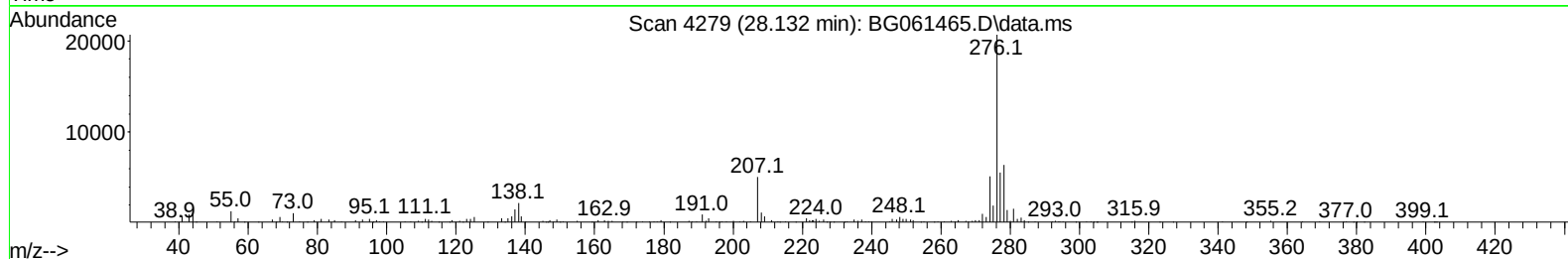
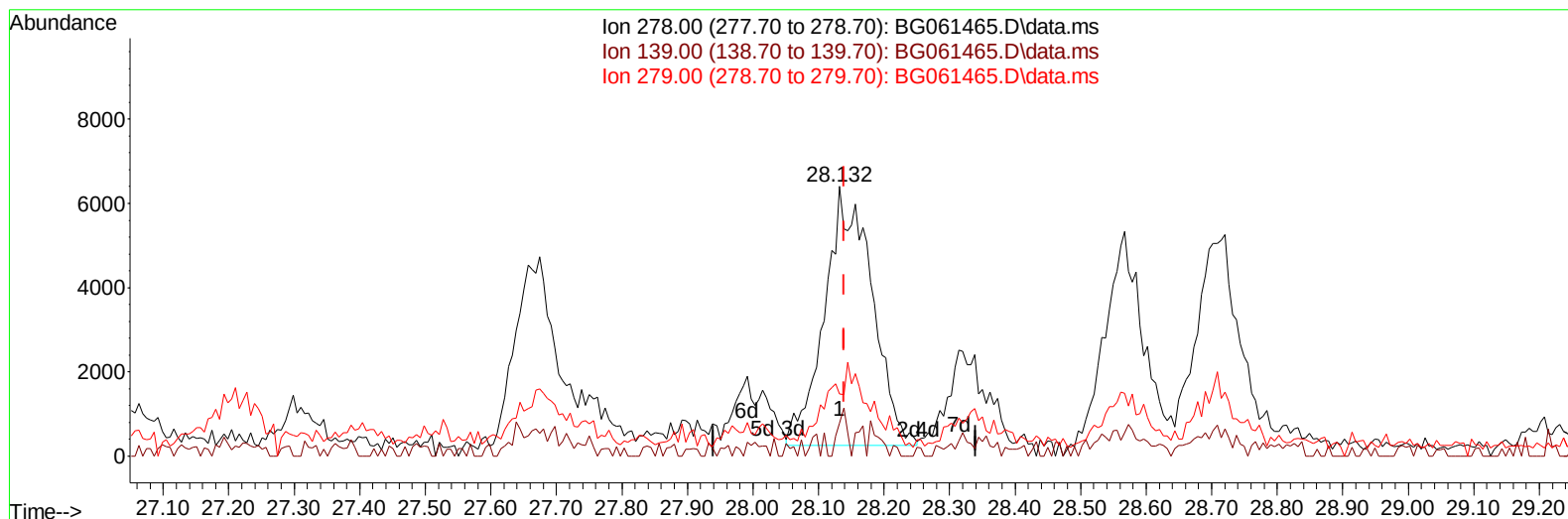
ClientSampleId :

BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:50:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

(95) Dibenzo(a,h)anthracene

28.132min (-0.007) 2.13 ng/ul m

response 30743

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 12.15# |
| 279.00 | 24.90  | 22.93  |
| 0.00   | 0.00   | 0.00   |

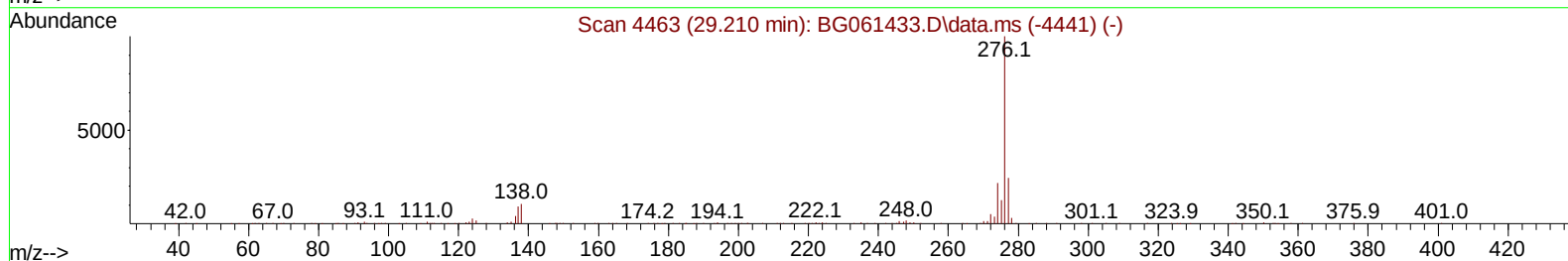
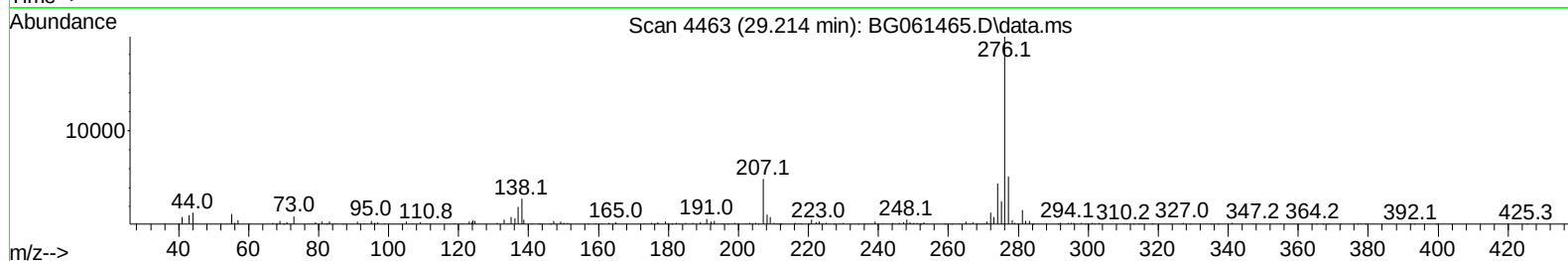
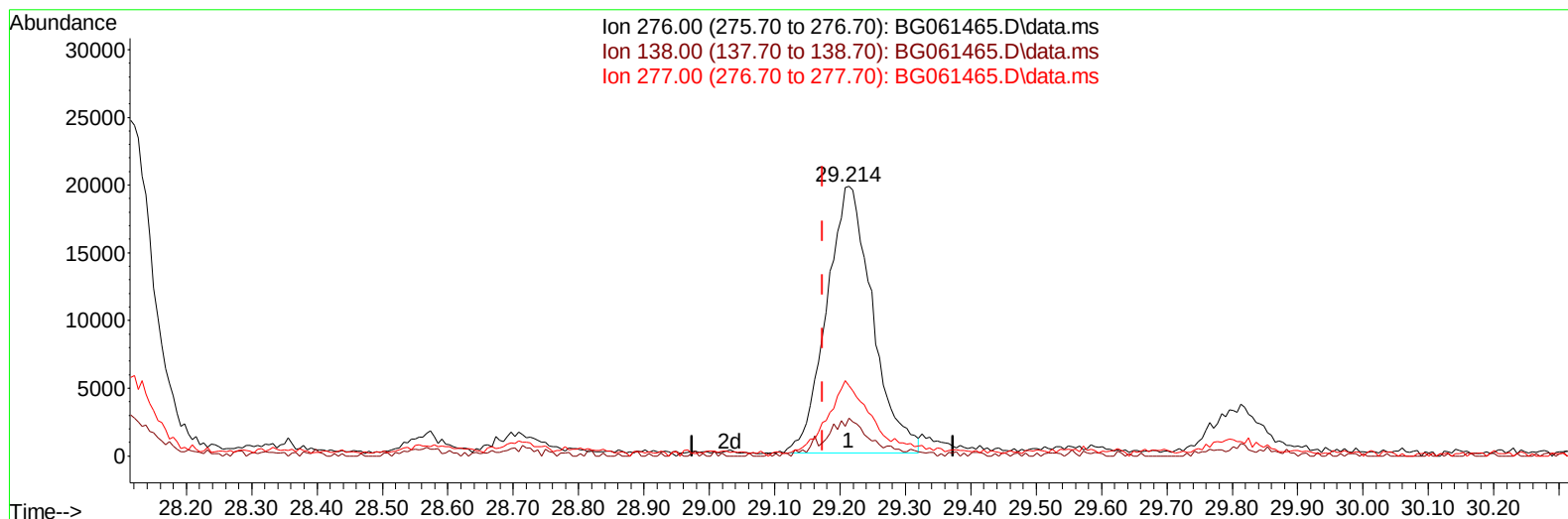
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:51:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

29.214min (+ 0.040) 6.91 ng/u1

response 96303

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 17.36# |
| 277.00 | 22.70  | 26.03  |
| 0.00   | 0.00   | 0.00   |

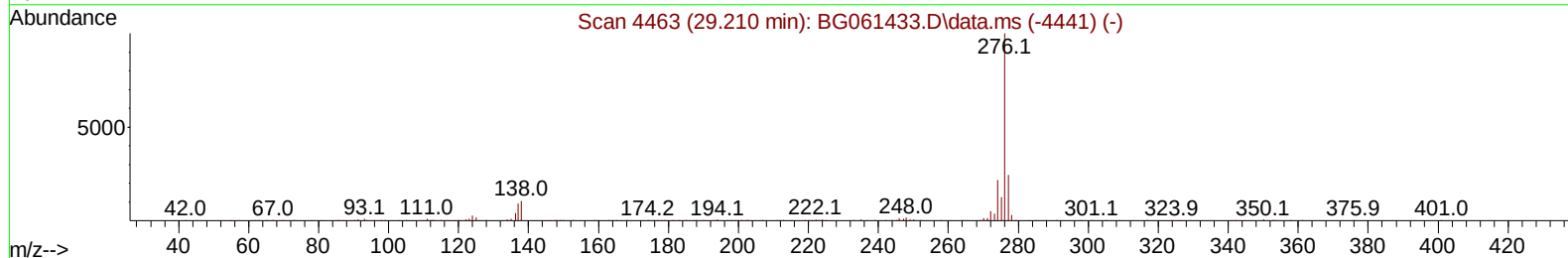
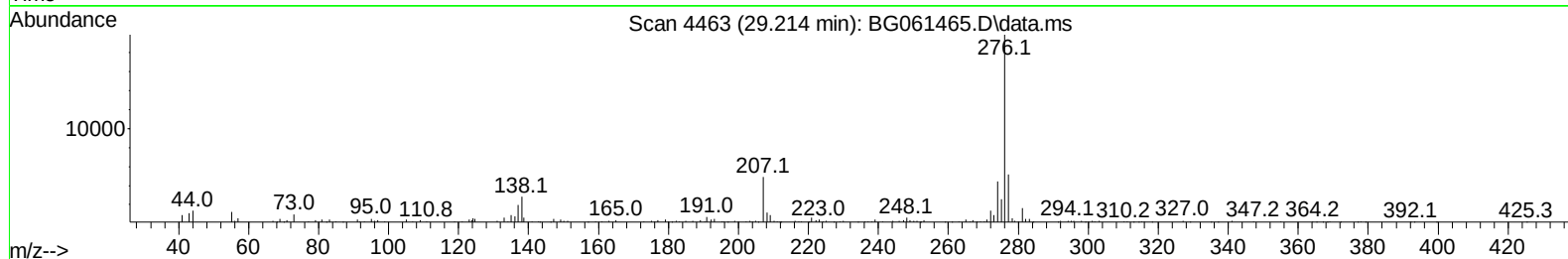
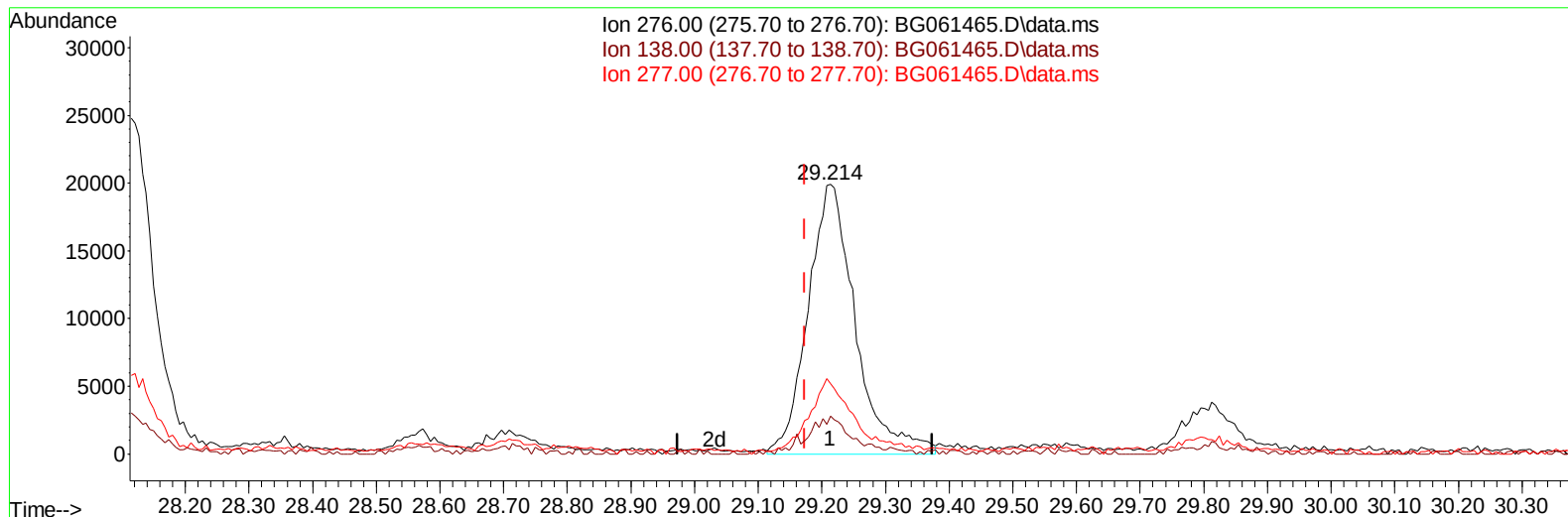
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061465.D  
Acq On : 4 Jun 2024 21:43  
Operator : MA/JU  
Sample : P2590-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:51:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061465.D\data.ms

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

29.214min (+ 0.040) 7.37 ng/u1 m

response 102825

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 14.11# |
| 277.00 | 22.70  | 26.03  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061465.D  
 Acq On : 4 Jun 2024 21:43  
 Operator : MA/JU  
 Sample : P2590-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBL6

Manual IntegrationsAPPROVED

Quant Time: Jun 04 22:51:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024

| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.874  | 152 |     | 31828    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.671 | 136 |     | 121989   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.513 | 164 |     | 91605    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.263 | 188 |     | 213475   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.517 | 240 |     | 212332   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.607 | 264 |     | 256414   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.332  | 96  |     | 1066m    | 1.874  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.749  | 84  |     | 3517     | 1.738  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.063  | 99  |     | 36131    | 13.824 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.204  | 67  |     | 26741    | 16.277 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.416  | 132 |     | 31941    | 16.512 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.596  | 113 |     | 23502    | 10.545 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.031  | 128 |     | 18172    | 19.348 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.754  | 143 |     | 18777    | 17.082 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.312 | 165 |     | 38746    | 18.081 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.806 | 131 |     | 23880    | 8.518  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.914 | 166 |     | 132051   | 18.586 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.208 | 160 |     | 144578   | 19.574 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.766 | 143 |     | 5918m    | 6.737  | ng/ul  | 0.03     |
| 60) Fluorene-d10              | 15.506 | 176 |     | 119714   | 19.517 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.653 | 200 |     | 11689    | 9.053  | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.363 | 188 |     | 174915   | 18.585 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.654 | 212 |     | 252821   | 23.190 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.401 | 264 |     | 267877   | 21.730 | ng/ul  | 0.02     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 30) Naphthalene               | 10.712 | 128 |     | 6577     | 1.021  | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.327 | 142 |     | 6813     | 1.459  | ng/ul  | 95       |
| 37) 1-Methylnaphthalene       | 12.551 | 142 |     | 5758     | 1.202  | ng/ul# | 92       |
| 52) Acenaphthene              | 14.572 | 153 |     | 9807     | 1.825  | ng/ul  | 98       |
| 61) Fluorene                  | 15.565 | 166 |     | 10141    | 1.526  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.304 | 178 |     | 237323   | 22.905 | ng/ul  | 99       |
| 74) Anthracene                | 17.398 | 178 |     | 30830    | 2.878  | ng/ul  | 97       |
| 77) Carbazole                 | 17.668 | 167 |     | 13169    | 1.511  | ng/ul  | 95       |
| 80) Fluoranthene              | 19.325 | 202 |     | 343925   | 26.297 | ng/ul  | 99       |
| 82) Pyrene                    | 19.683 | 202 |     | 366958   | 27.030 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.499 | 228 |     | 174405   | 11.904 | ng/ul  | 97       |
| 87) Chrysene                  | 21.564 | 228 |     | 200575   | 14.868 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.638 | 252 |     | 240788   | 15.772 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.691 | 252 |     | 80128m   | 5.170  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.466 | 252 |     | 177282   | 12.229 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.115 | 276 |     | 109382m  | 6.239  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.132 | 278 |     | 30743m   | 2.127  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.214 | 276 |     | 102825m  | 7.373  | ng/ul  |          |
| -----                         |        |     |     |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061465.D  
 Acq On : 4 Jun 2024 21:43  
 Operator : MA/JU  
 Sample : P2590-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBL6

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 04 22:51:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

