

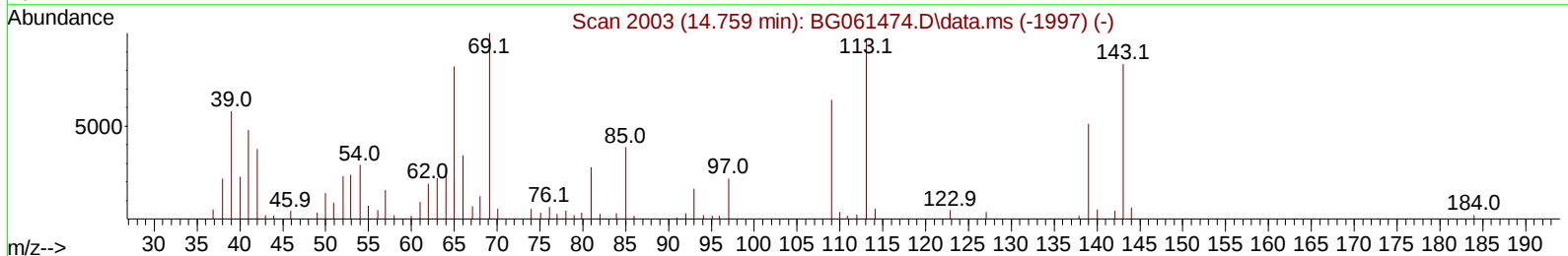
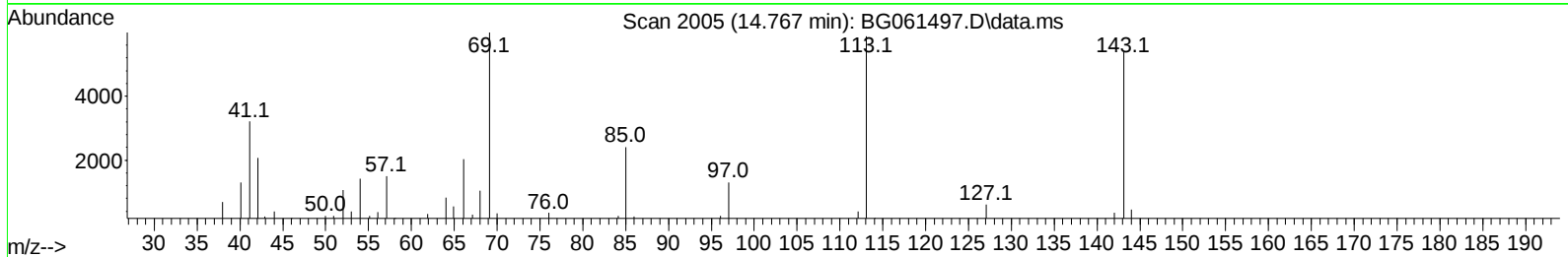
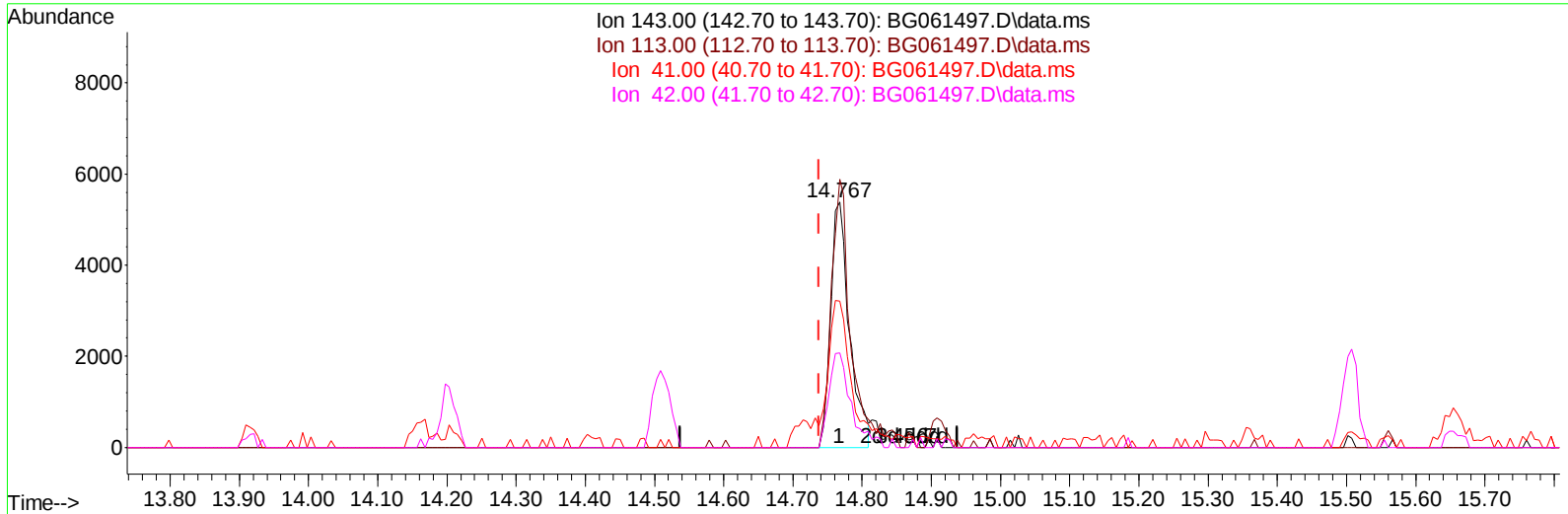
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.767min (+ 0.030) 13.23 ng/u1

response 10165

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 109.13 |
| 41.00  | 77.10  | 59.56# |
| 42.00  | 49.50  | 38.53# |

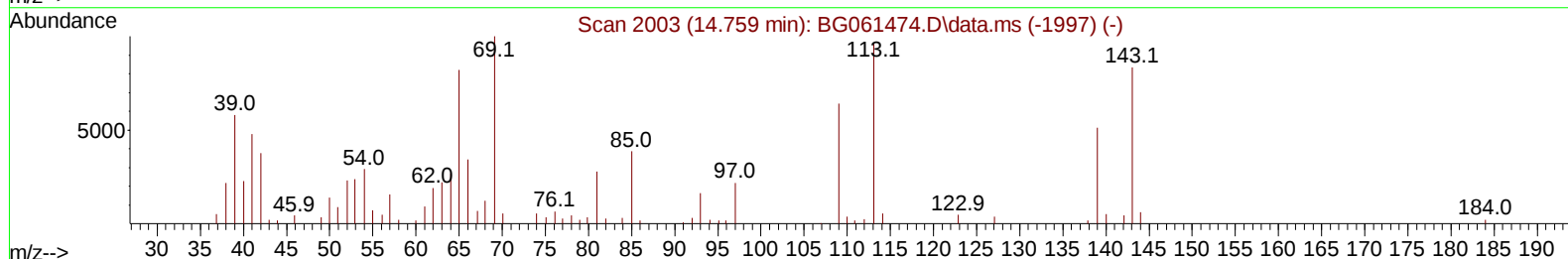
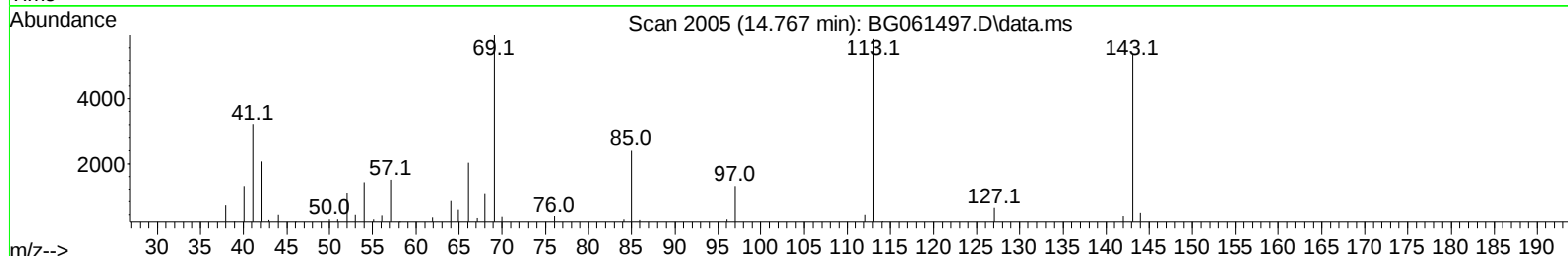
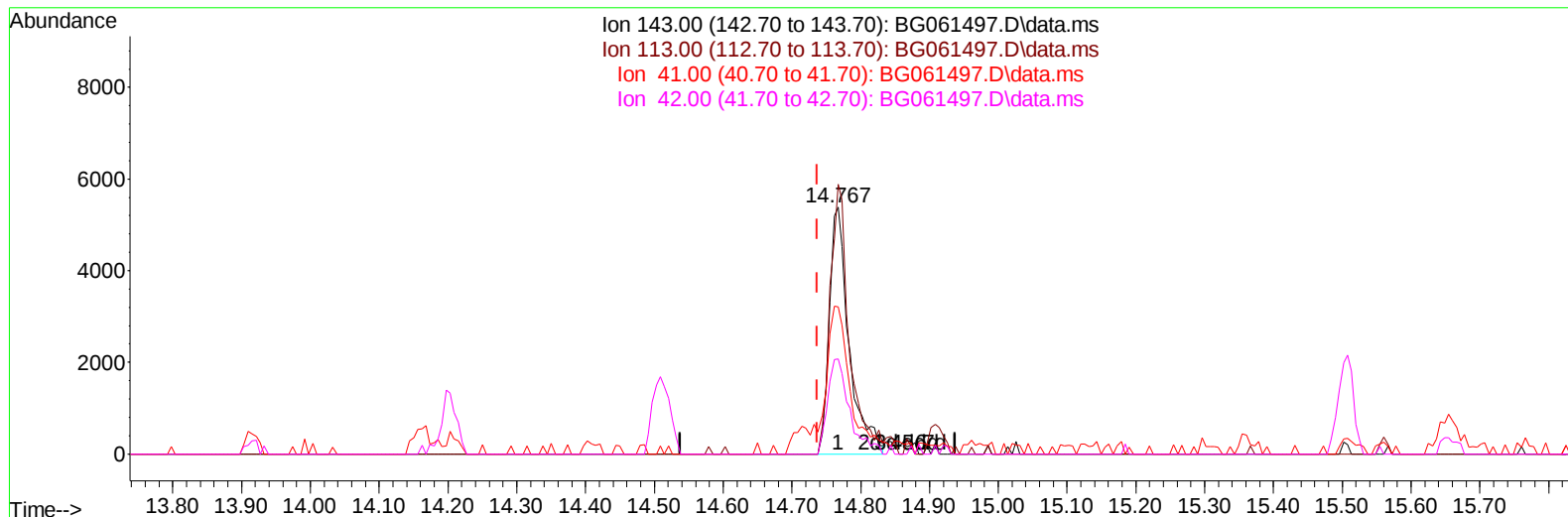
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.767min (+ 0.030) 13.94 ng/ul m

response 10708

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 109.13 |
| 41.00  | 77.10  | 59.56# |
| 42.00  | 49.50  | 38.53# |

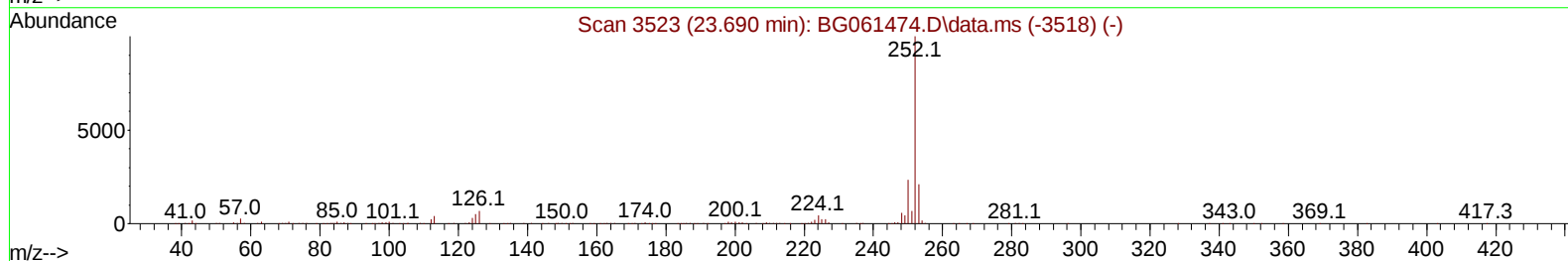
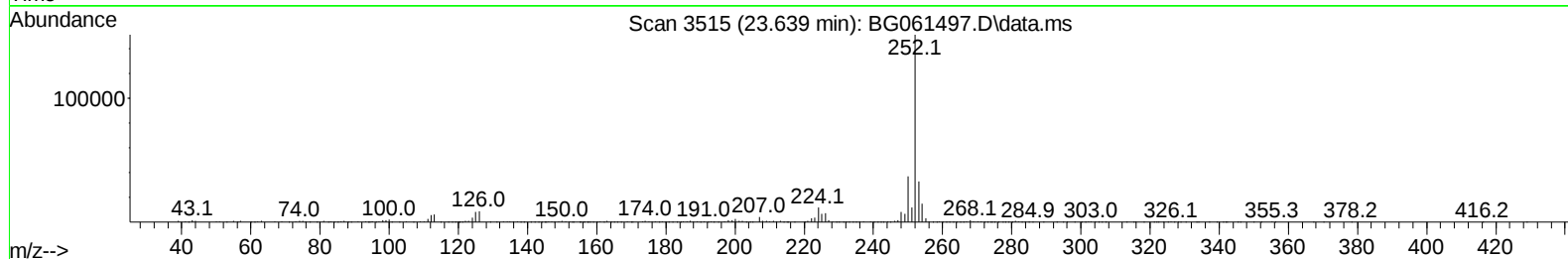
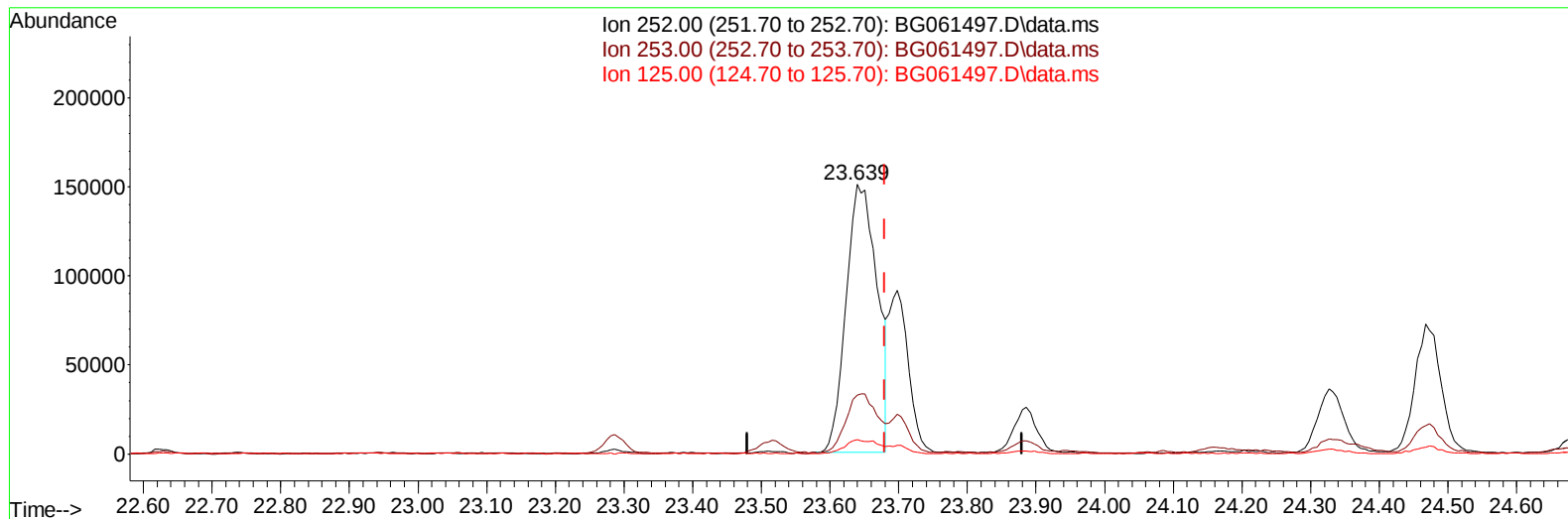
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

(91) Benzo(k)fluoranthene

23.639min (-0.041) 34.25 ng/u1

response 471172

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 21.85  |
| 125.00 | 5.40   | 5.37   |
| 0.00   | 0.00   | 0.00   |

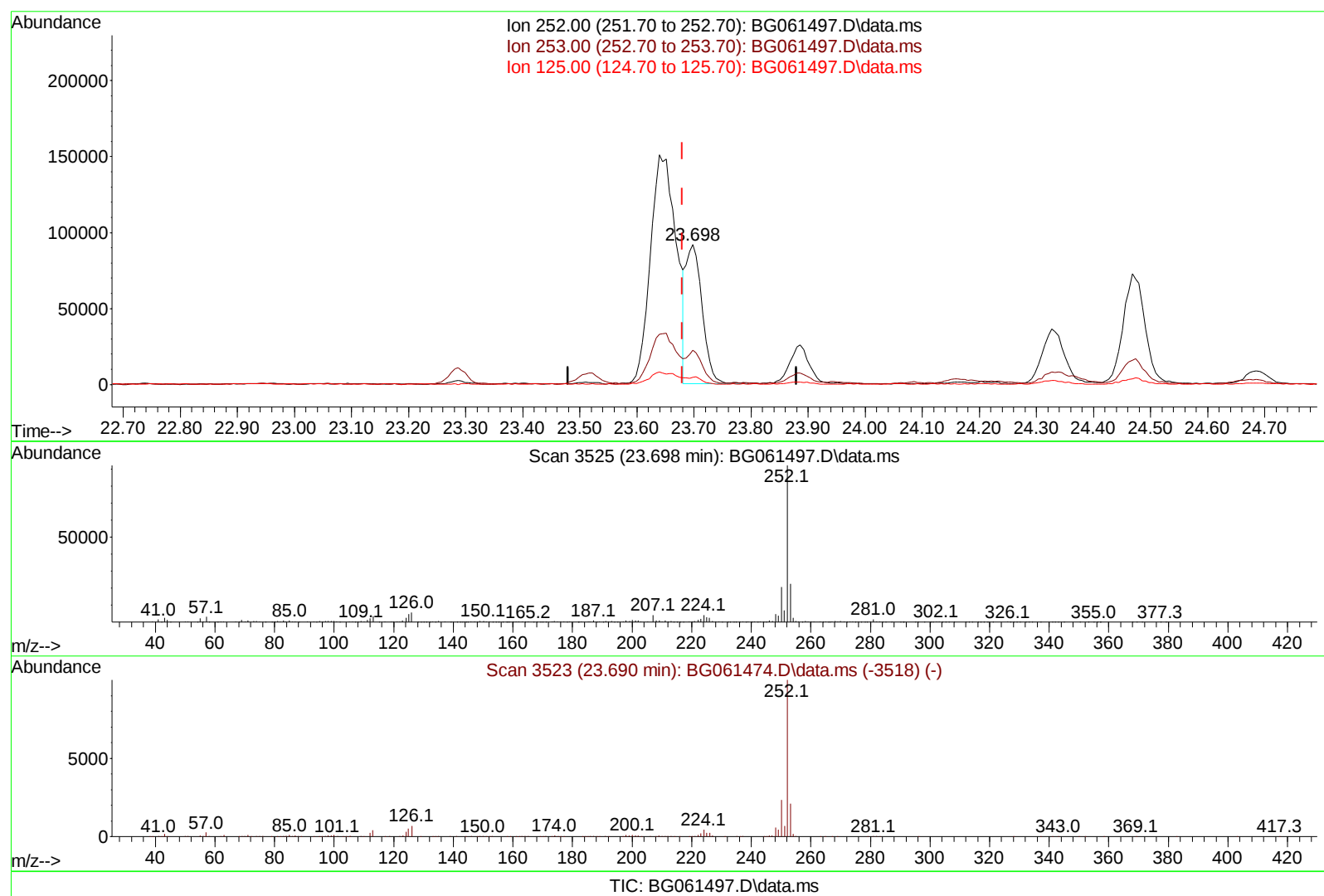
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



(91) Benzo(k)fluoranthene

23.698min (+ 0.018) 13.21 ng/ul m

response 181717

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 24.43# |
| 125.00 | 5.40   | 5.24   |
| 0.00   | 0.00   | 0.00   |

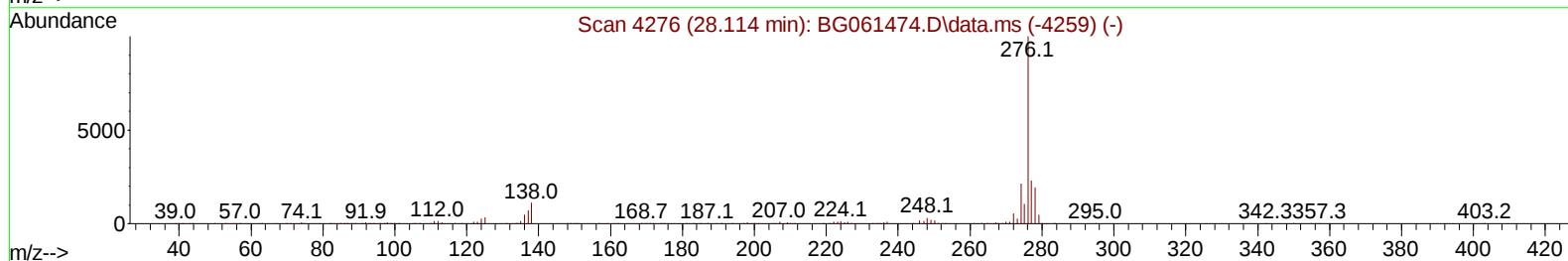
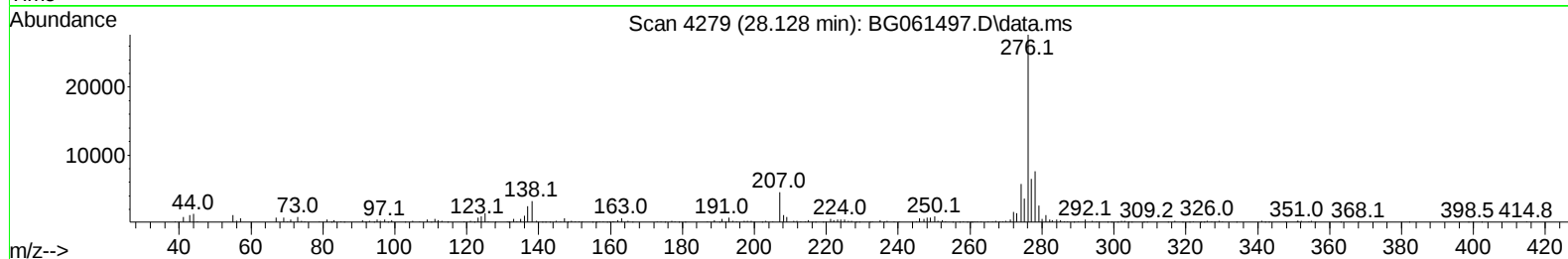
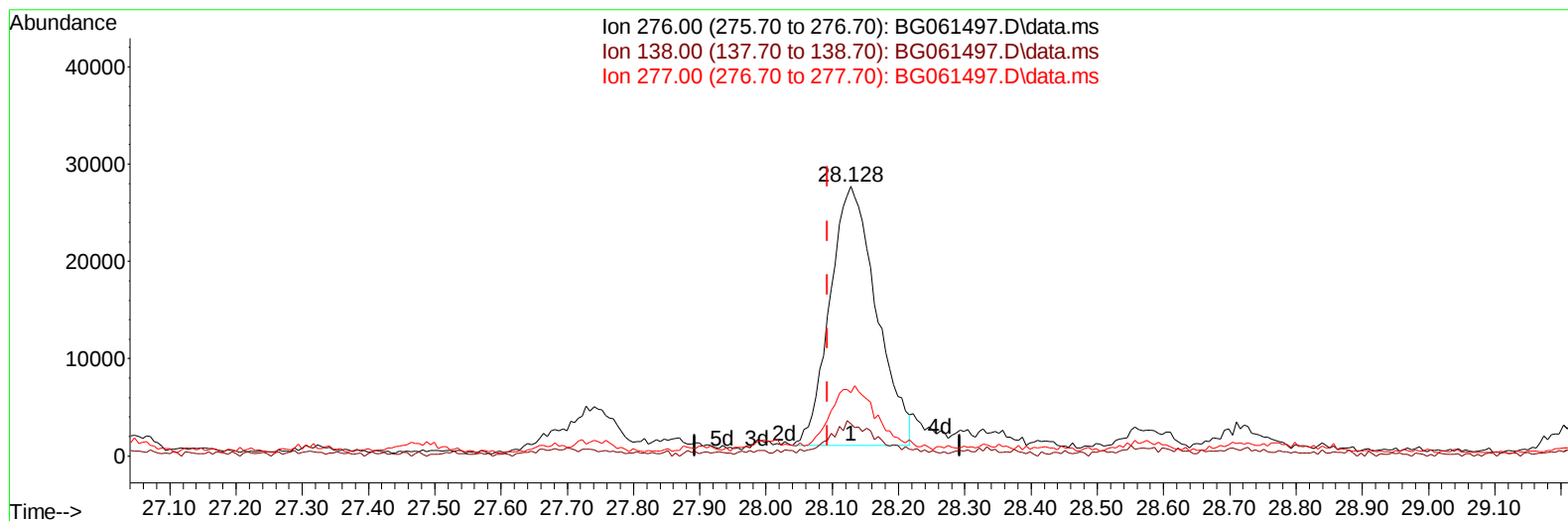
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061497.D  
 Acq On : 5 Jun 2024 22:03  
 Operator : MA/JU  
 Sample : P2623-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

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

**28.128min (+ 0.035) 8.33 ng/u1**

**response 129707**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 11.82  |
| 277.00 | 24.60  | 23.42  |
| 0.00   | 0.00   | 0.00   |

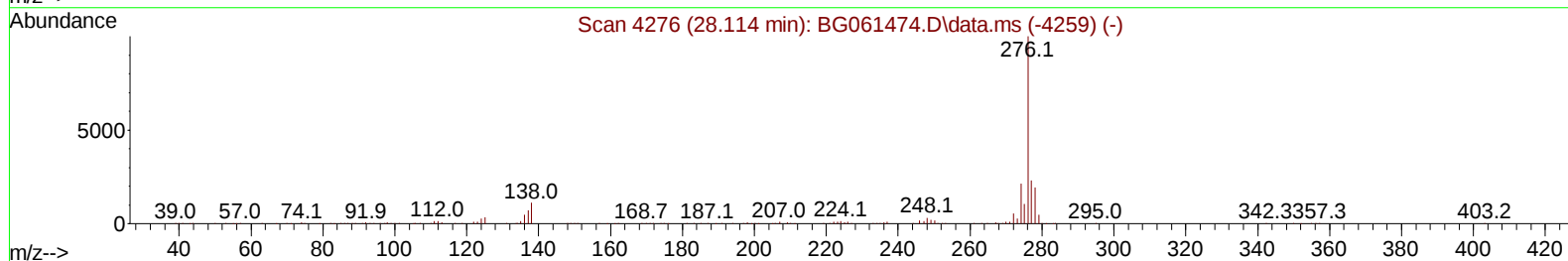
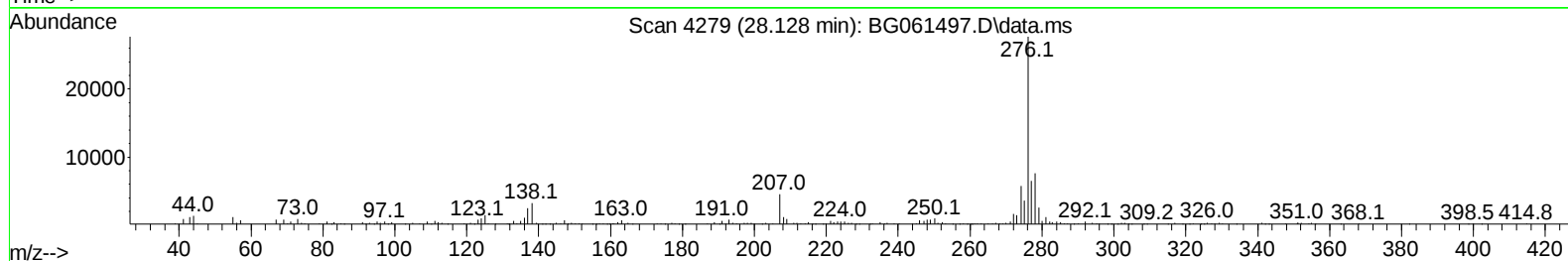
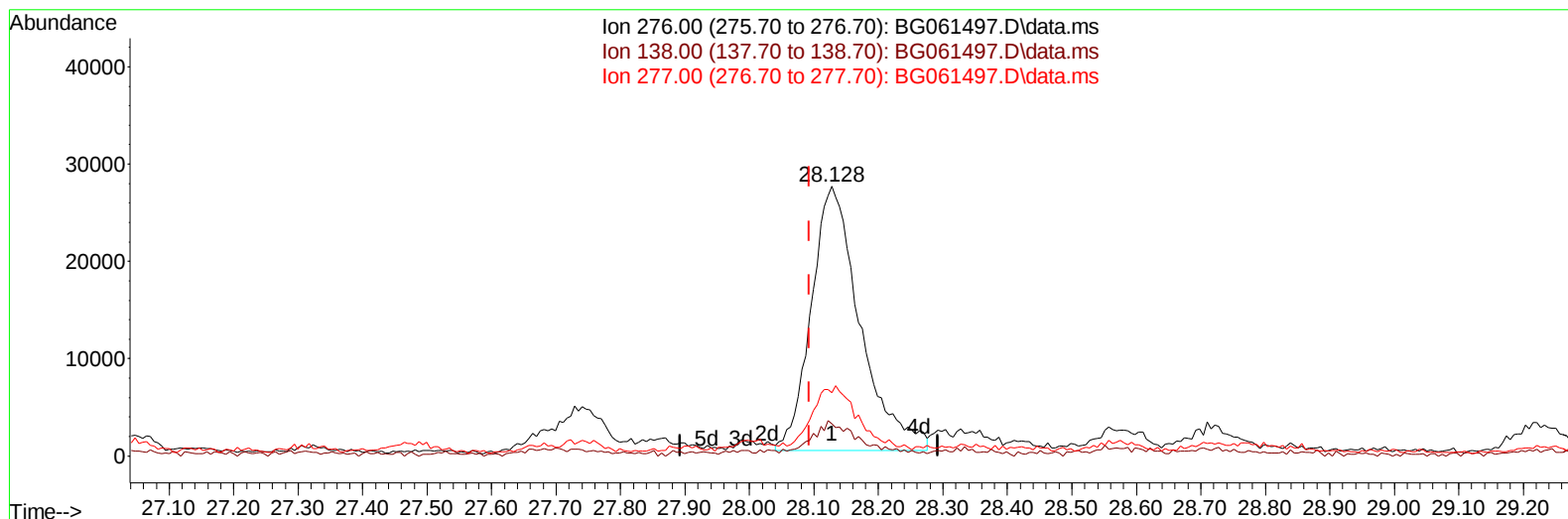
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

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

28.128min (+ 0.035) 9.24 ng/ul m

response 143790

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 11.82  |
| 277.00 | 24.60  | 23.42  |
| 0.00   | 0.00   | 0.00   |



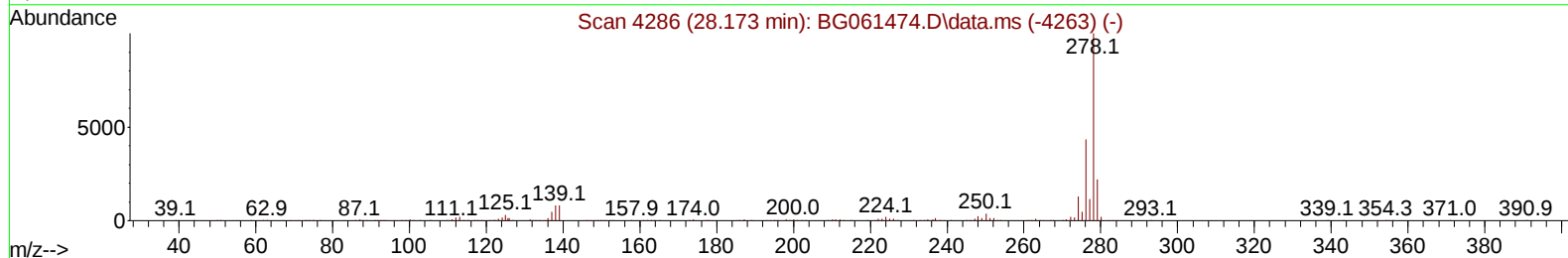
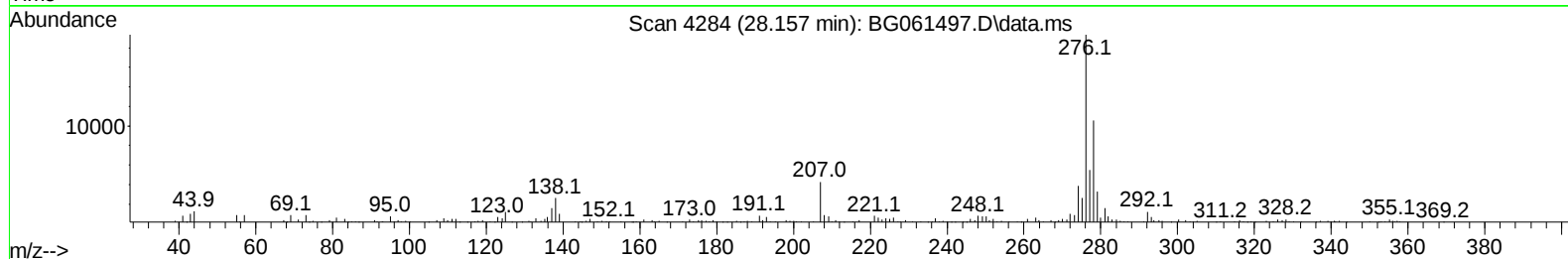
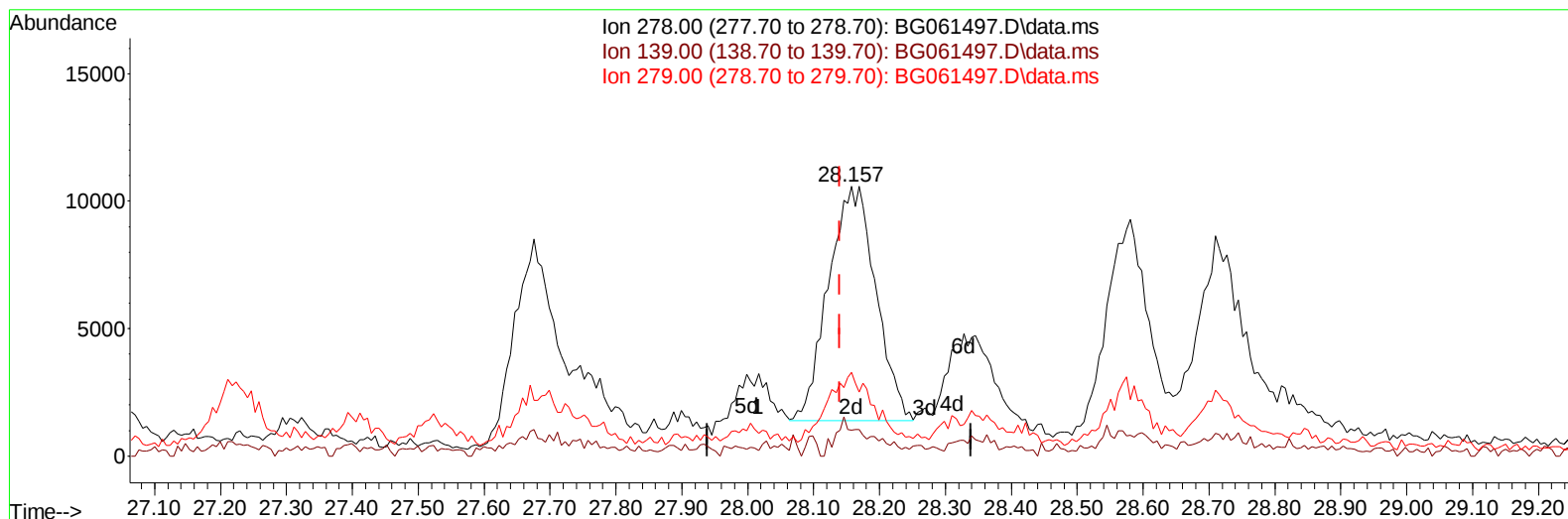
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061497.D  
 Acq On : 5 Jun 2024 22:03  
 Operator : MA/JU  
 Sample : P2623-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 22:54:29 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 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

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

**28.157min (+ 0.018) 3.58 ng/ul m**

**response 45993**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 9.47   |
| 279.00 | 24.90  | 30.98# |
| 0.00   | 0.00   | 0.00   |

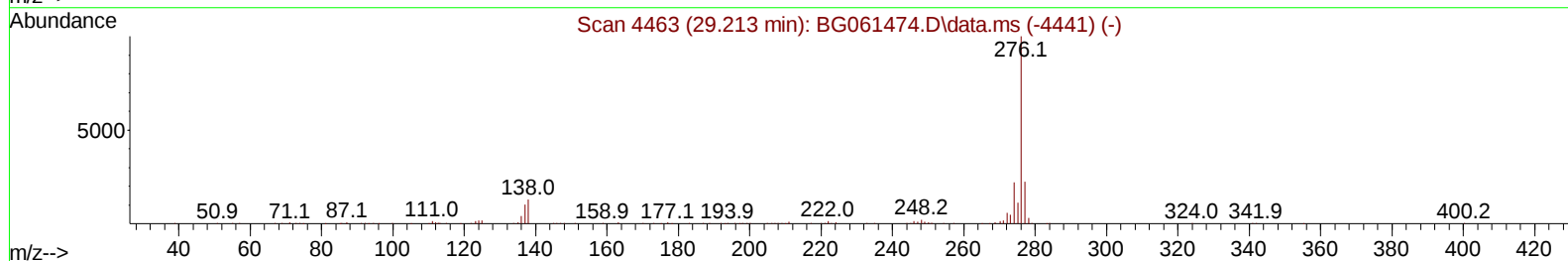
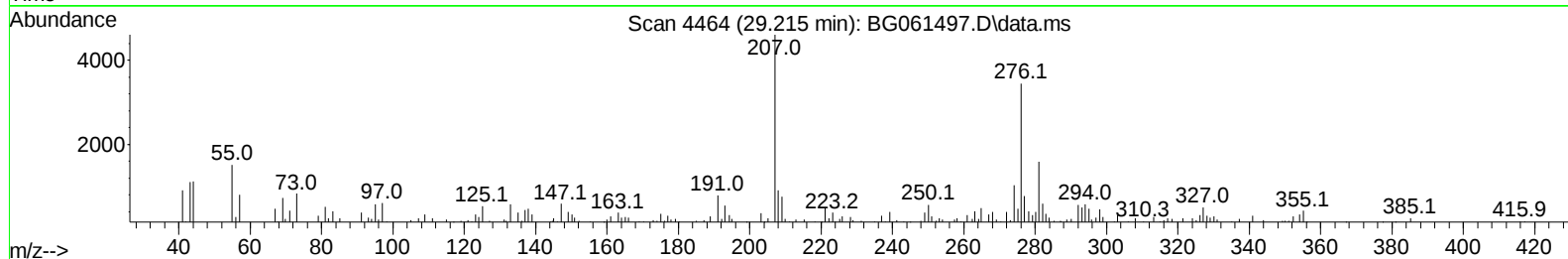
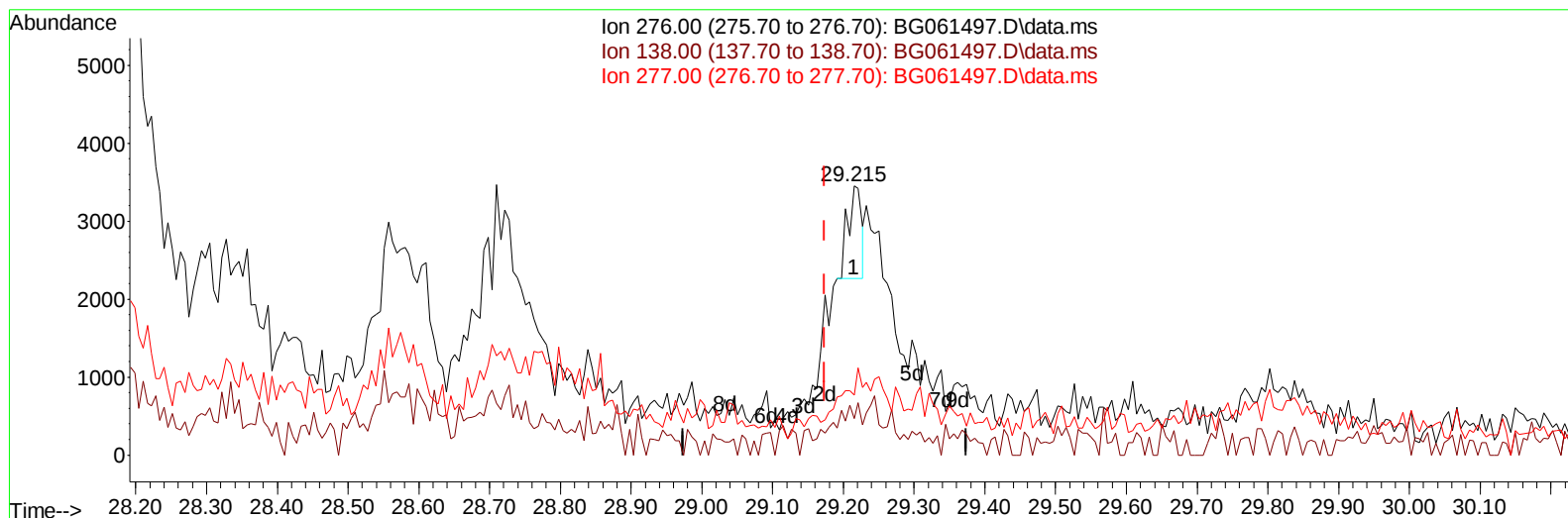
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 23:21:57 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

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

29.215min (+ 0.041) 0.13 ng/u1

response 1572

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 13.63# |
| 277.00 | 22.70  | 22.38  |
| 0.00   | 0.00   | 0.00   |

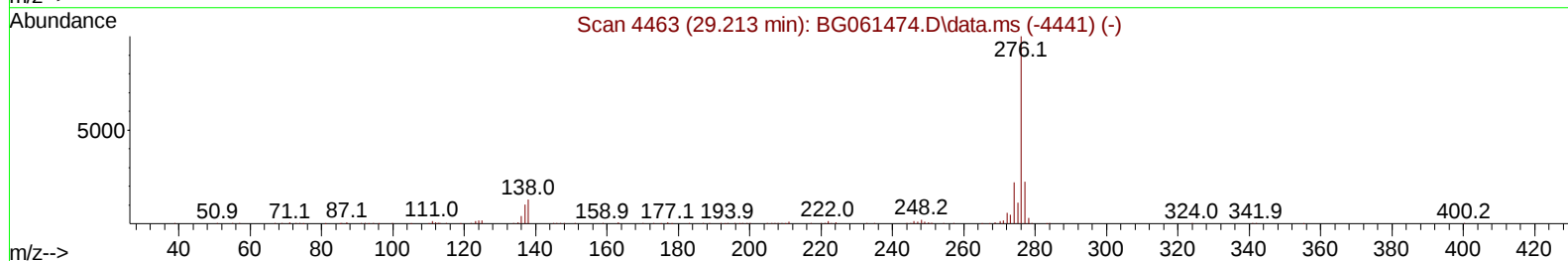
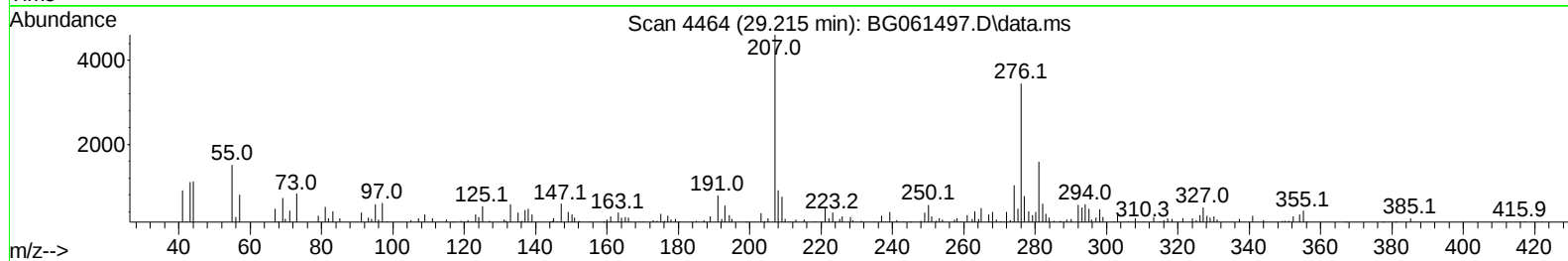
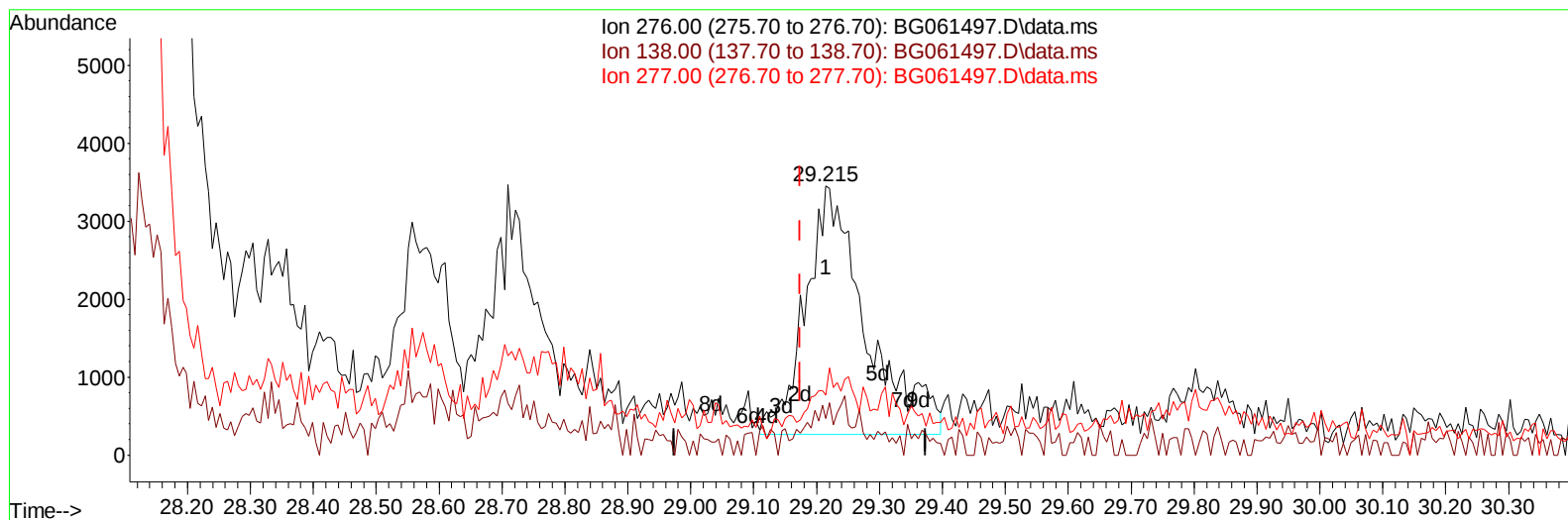
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061497.D  
Acq On : 5 Jun 2024 22:03  
Operator : MA/JU  
Sample : P2623-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 23:21:57 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061497.D\data.ms

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

29.215min (+ 0.041) 1.71 ng/ul m

response 21207

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 13.63# |
| 277.00 | 22.70  | 22.38  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061497.D  
 Acq On : 5 Jun 2024 22:03  
 Operator : MA/JU  
 Sample : P2623-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBQ8

Manual IntegrationsAPPROVED

Quant Time: Jun 05 23:22:24 2024  
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Reviewed By :Jagrut Upadhyay 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 30699    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.666 | 136  | 119468   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.509 | 164  | 80110    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.264 | 188  | 176919   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.524 | 240  | 203725   | 20.000 | ng/ul  | 0.01     |
| 88) Perylene-d12              | 24.615 | 264  | 227617   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.339  | 96   | 1849     | 3.371  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.745  | 84   | 12015    | 6.157  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.065  | 99   | 42972    | 17.045 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.206  | 67   | 27419    | 17.304 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.417  | 132  | 36530    | 19.579 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.598  | 113  | 32487    | 15.113 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.033  | 128  | 18497    | 20.109 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.755  | 143  | 21592    | 20.058 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.308 | 165  | 43547    | 20.750 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.807 | 131  | 34079    | 12.412 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.915 | 166  | 124507   | 20.039 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.203 | 160  | 135054   | 20.908 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.767 | 143  | 10708m   | 13.940 | ng/ul  | 0.03     |
| 60) Fluorene-d10              | 15.508 | 176  | 106416   | 19.838 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.654 | 200  | 12886    | 12.043 | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.364 | 188  | 174719   | 22.400 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.656 | 212  | 202931   | 19.400 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.403 | 264  | 175954   | 16.079 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.719 | 128  | 7643     | 1.212  | ng/ul  | 97       |
| 52) Acenaphthene              | 14.573 | 153  | 11440    | 2.435  | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.908 | 168  | 14361    | 2.138  | ng/ul  | 99       |
| 61) Fluorene                  | 15.560 | 166  | 13751    | 2.366  | ng/ul# | 86       |
| 72) Phenanthrene              | 17.305 | 178  | 383085   | 44.613 | ng/ul  | 99       |
| 74) Anthracene                | 17.394 | 178  | 70382    | 7.927  | ng/ul  | 98       |
| 77) Carbazole                 | 17.670 | 167  | 41230    | 5.709  | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.222 | 149  | 9735     | 1.076  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.327 | 202  | 747769   | 59.590 | ng/ul  | 98       |
| 82) Pyrene                    | 19.685 | 202  | 511288   | 39.253 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.501 | 228  | 408011   | 29.025 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.407 | 149  | 29114    | 4.396  | ng/ul# | 99       |
| 87) Chrysene                  | 21.565 | 228  | 361212   | 27.907 | ng/ul  | 94       |
| 90) Benzo(b)fluoranthene      | 23.639 | 252  | 471172   | 34.767 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.698 | 252  | 181717m  | 13.208 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.468 | 252  | 190118   | 14.774 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.128 | 276  | 143790m  | 9.240  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.157 | 278  | 45993m   | 3.584  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.215 | 276  | 21207m   | 1.713  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
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 Operator : MA/JU  
 Sample : P2623-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBQ8

## Manual IntegrationsAPPROVED

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

Quant Time: Jun 05 23:22:24 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

