

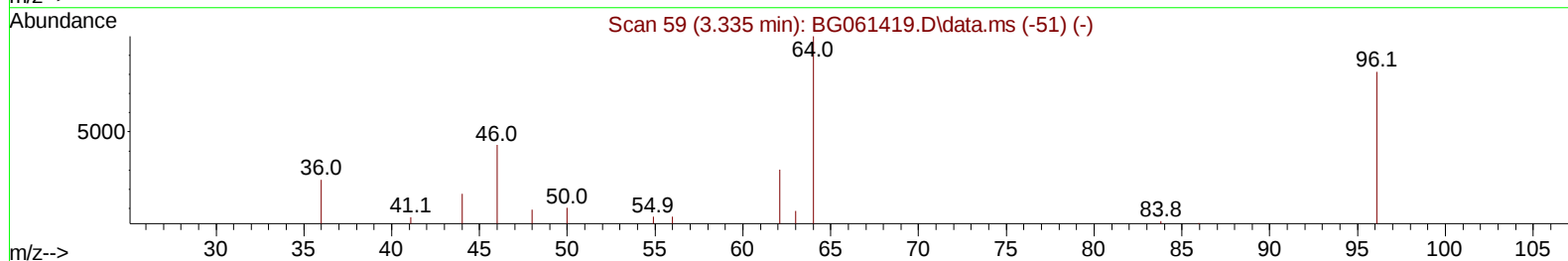
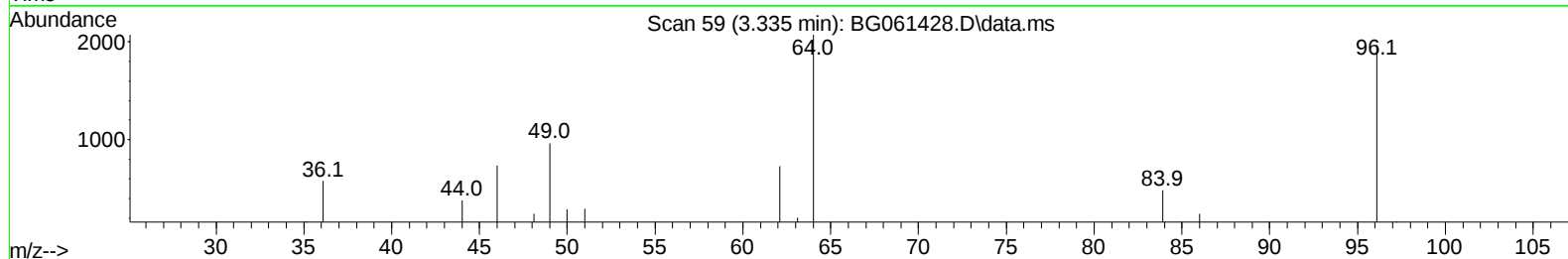
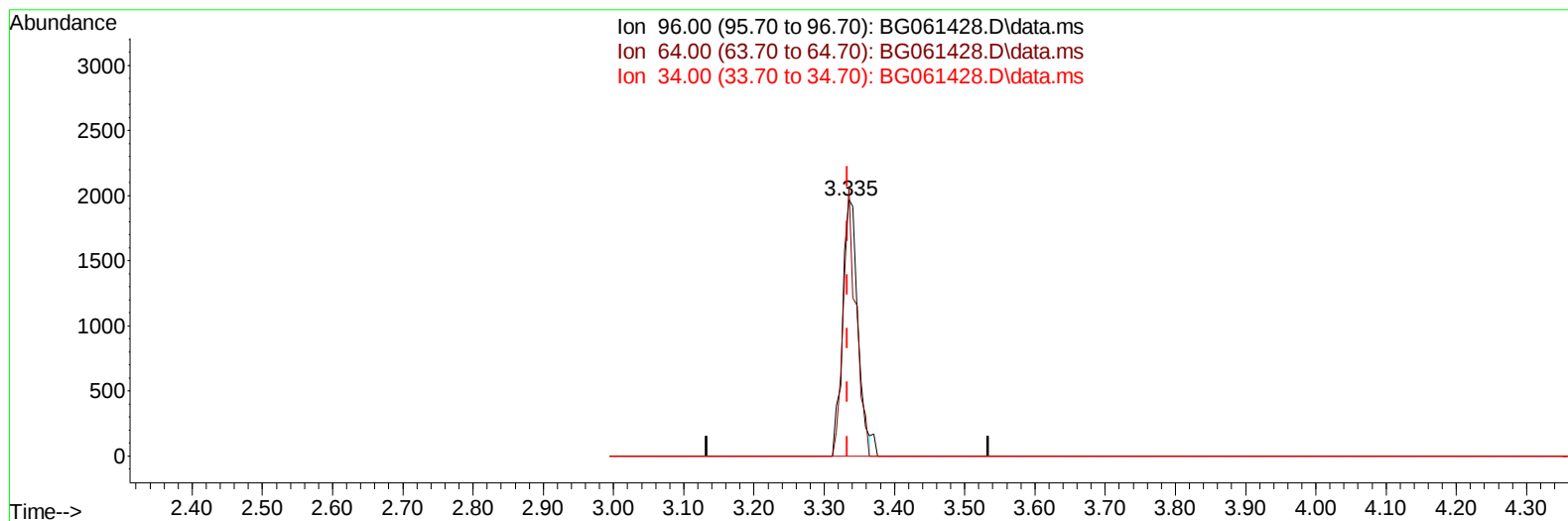
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061428.D  
Acq On : 3 Jun 2024 18:11  
Operator : MA/JU  
Sample : P2577-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:52:10 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 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

**3.335min (+ 0.002) 4.68 ng/uL**

**response 2963**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 91.80  | 105.18 |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

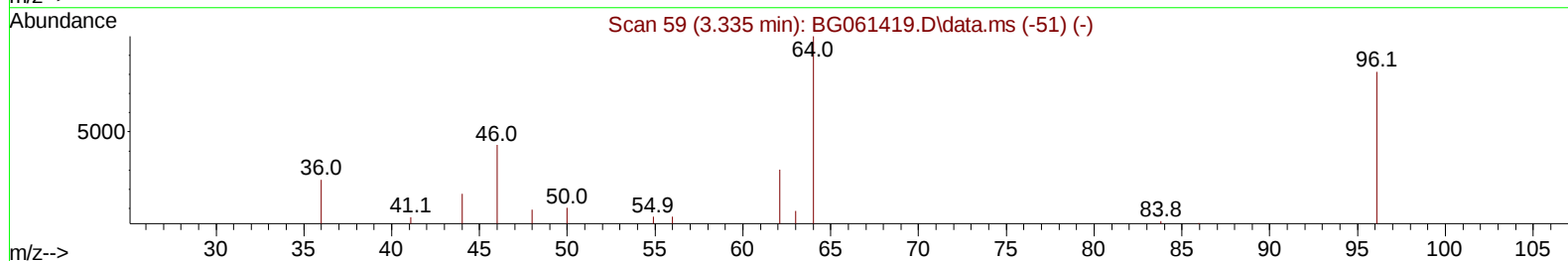
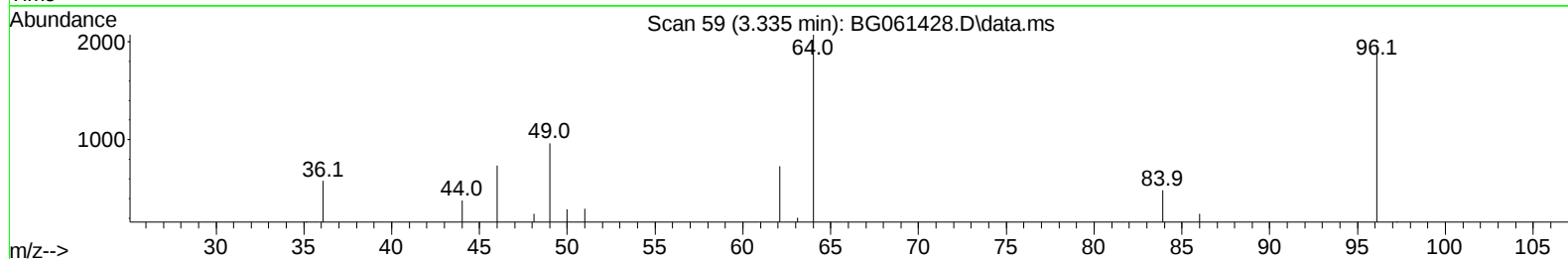
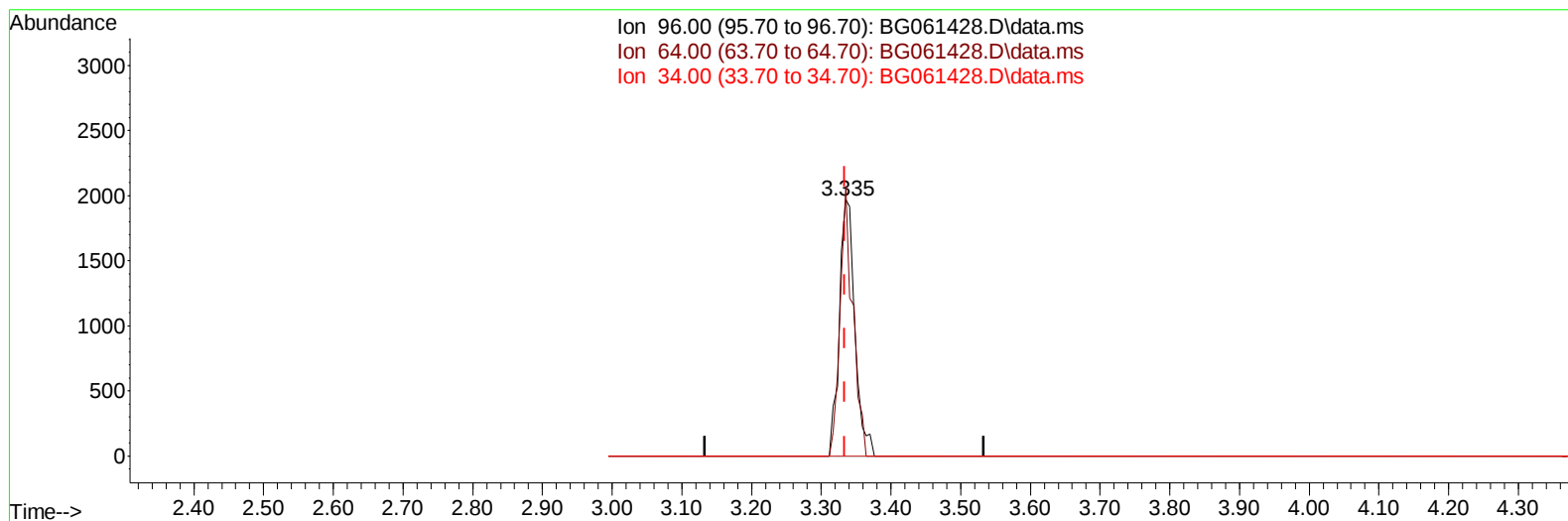
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061428.D  
Acq On : 3 Jun 2024 18:11  
Operator : MA/JU  
Sample : P2577-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:52:10 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 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

3.335min (+ 0.002) 4.78 ng/uL m

response 3022

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 91.80  | 105.18 |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

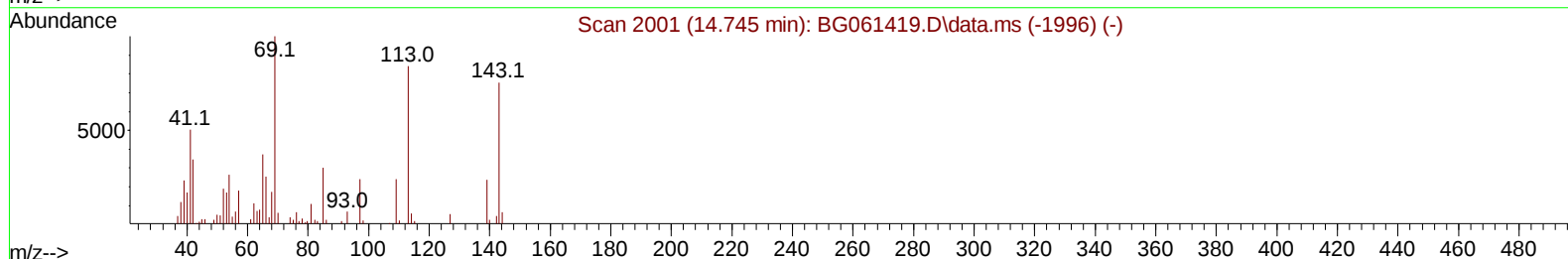
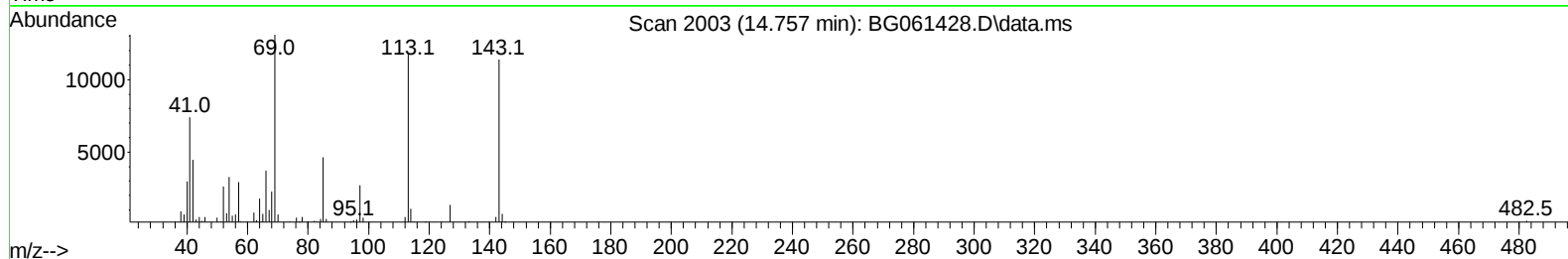
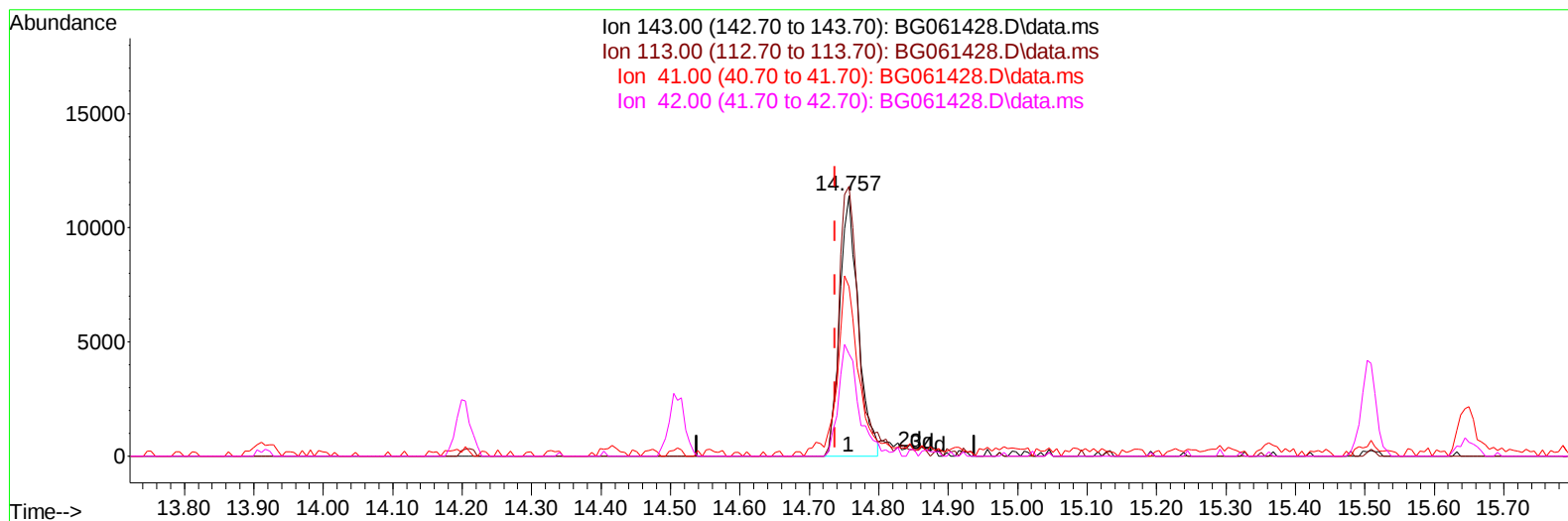
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:52:10 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.757min (+ 0.019) 20.12 ng/ul**

**response 21216**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 103.53 |
| 41.00  | 77.10  | 65.01  |
| 42.00  | 49.50  | 39.19# |

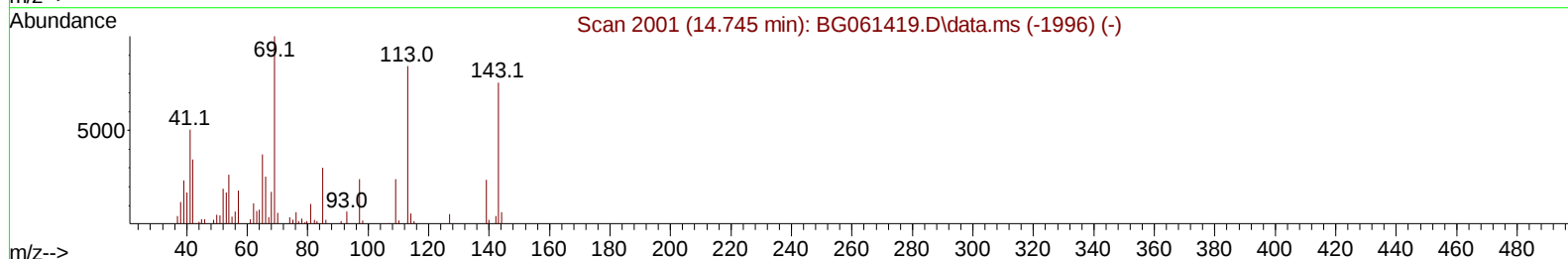
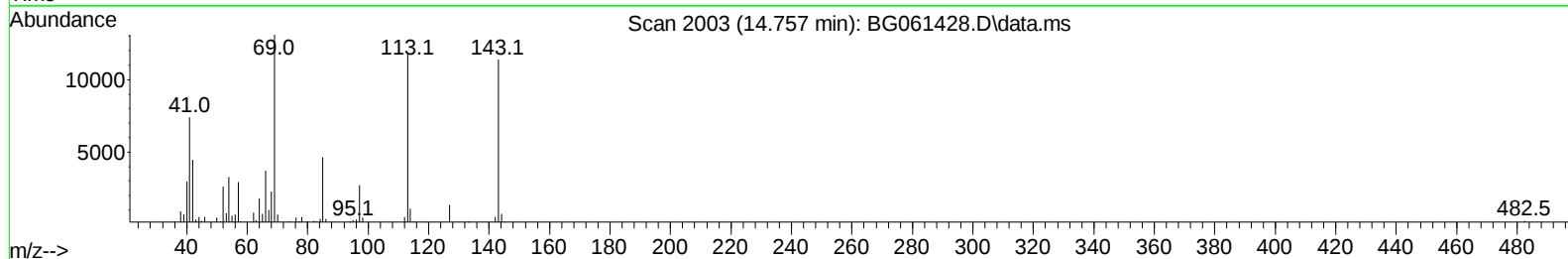
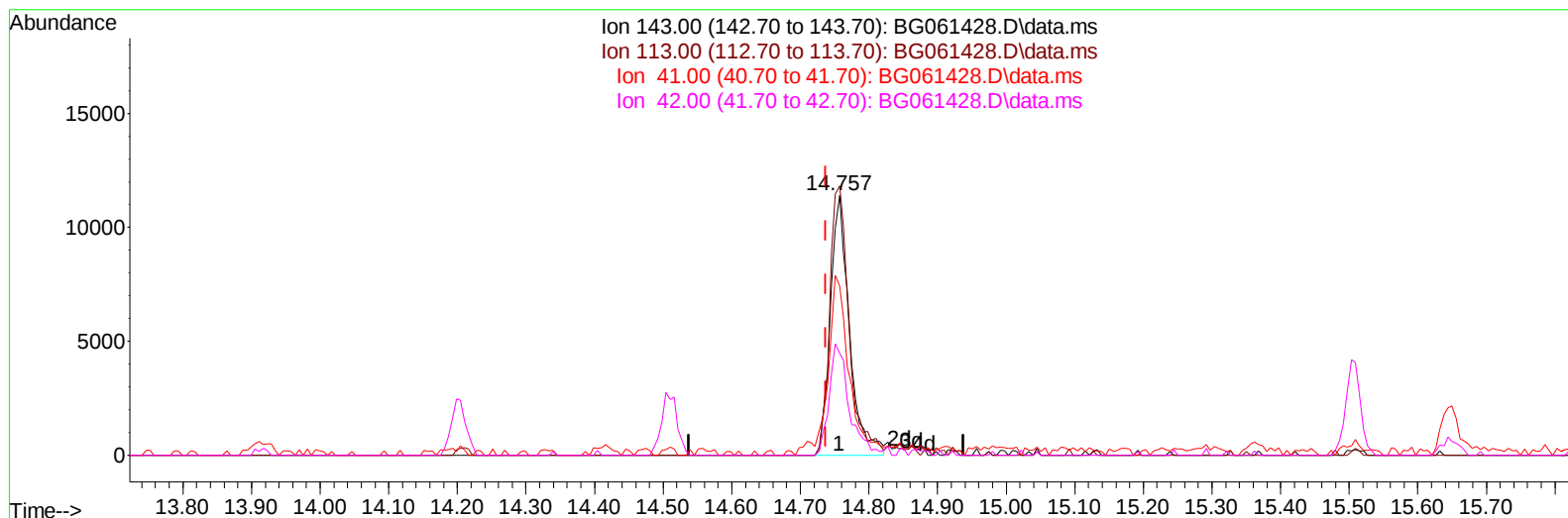
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:52:10 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.757min (+ 0.019) 20.89 ng/ul m**

**response 22019**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 103.53 |
| 41.00  | 77.10  | 65.01  |
| 42.00  | 49.50  | 39.19# |

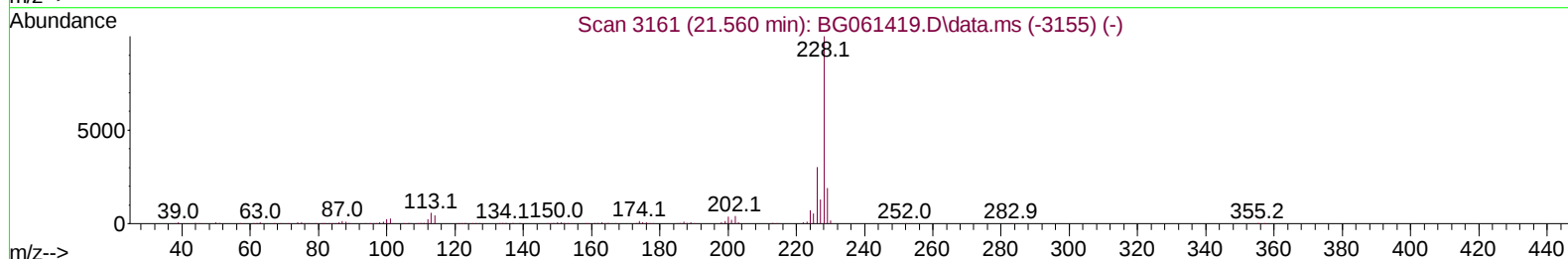
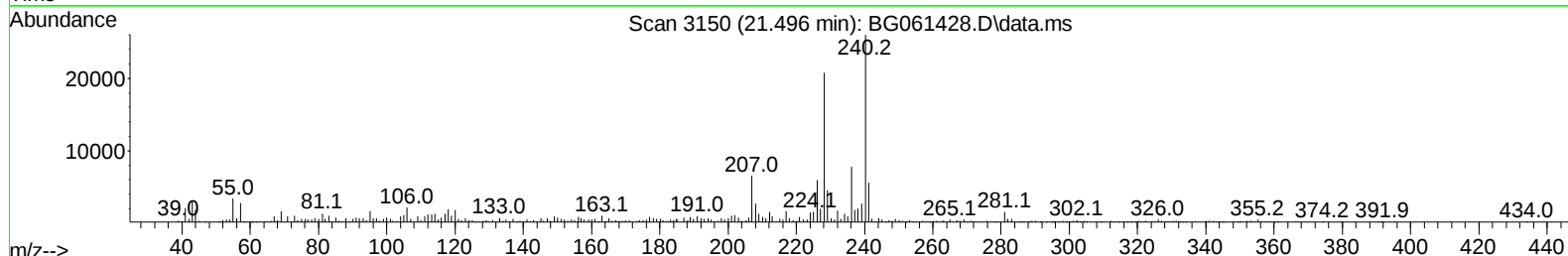
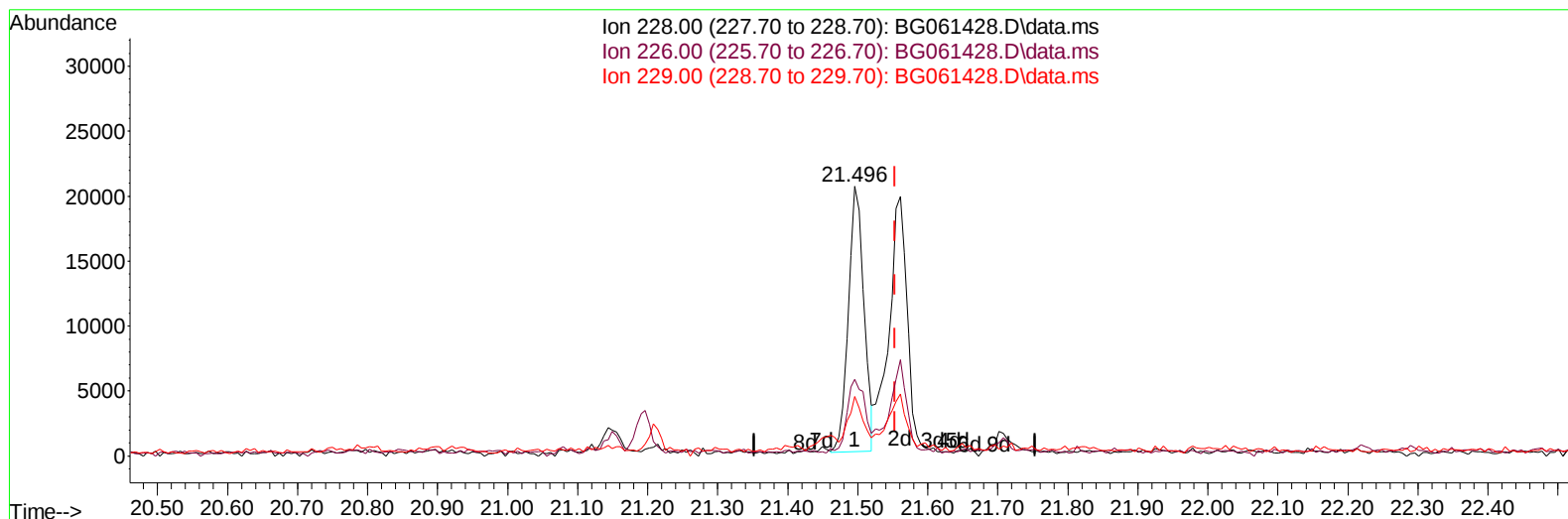
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:49:07 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

(87) Chrysene

21.496min (-0.057) 1.77 ng/u1

response 31939

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.20  | 28.49  |
| 229.00 | 19.30  | 22.10  |
| 0.00   | 0.00   | 0.00   |

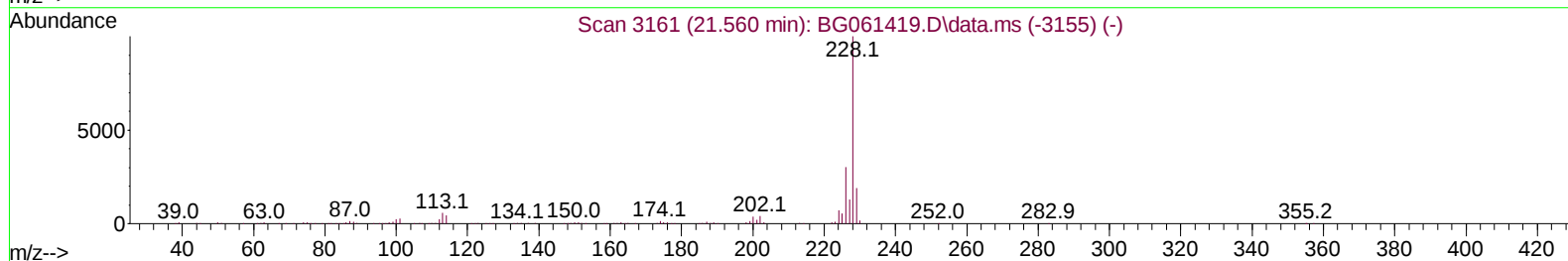
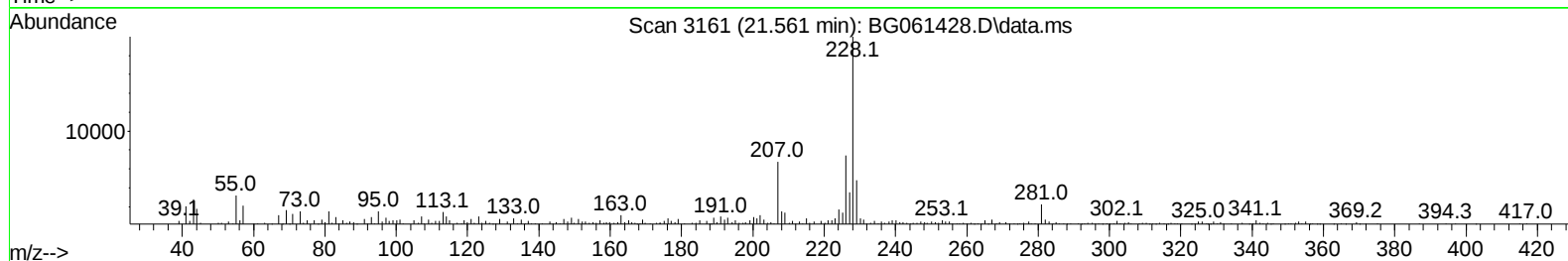
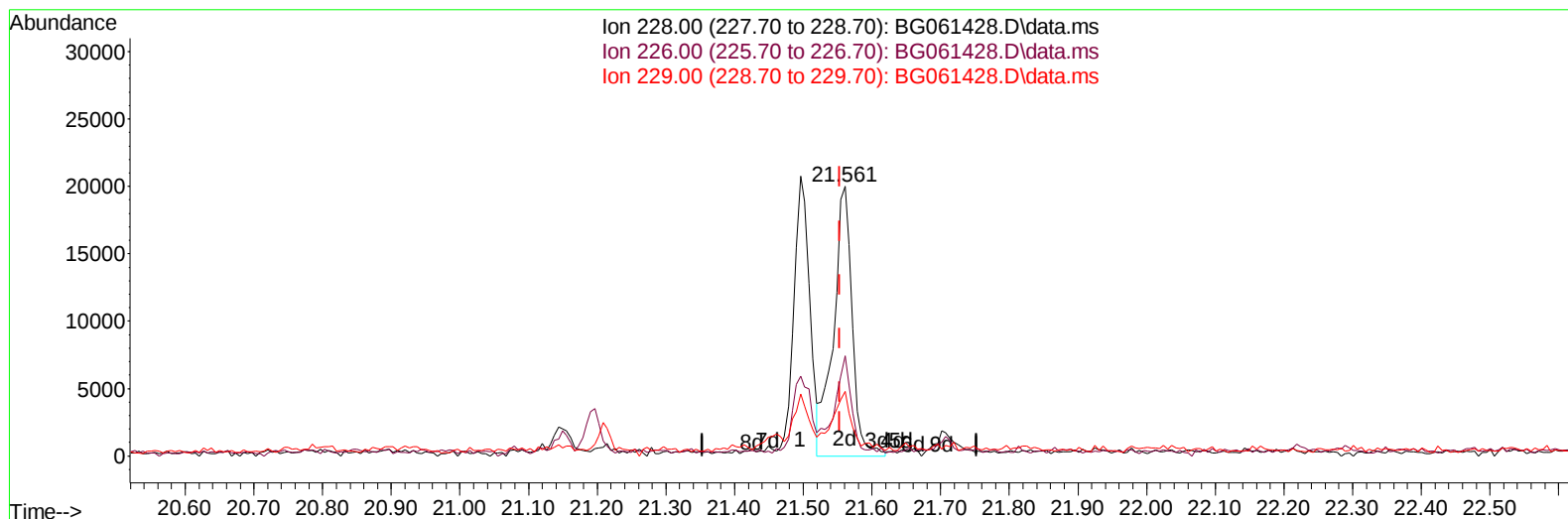
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061428.D  
Acq On : 3 Jun 2024 18:11  
Operator : MA/JU  
Sample : P2577-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:49:07 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 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

(87) Chrysene

21.561min (+ 0.007) 2.11 ng/u1 m

response 37985

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.20  | 37.19# |
| 229.00 | 19.30  | 23.87# |
| 0.00   | 0.00   | 0.00   |

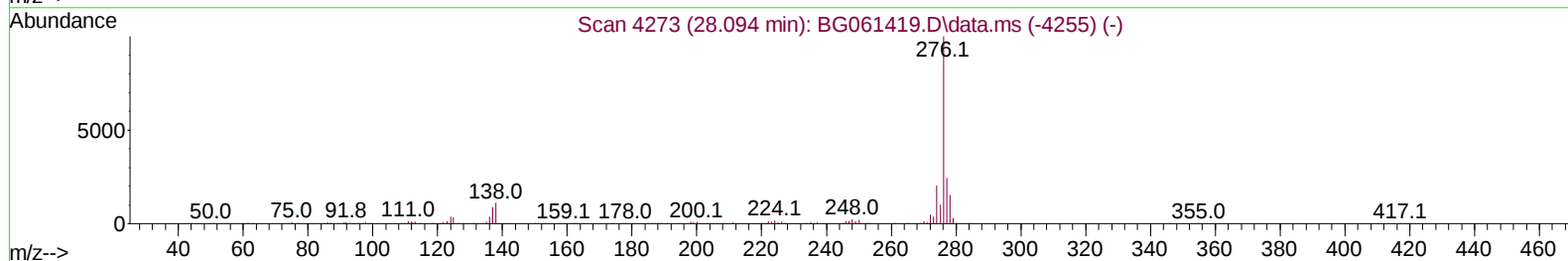
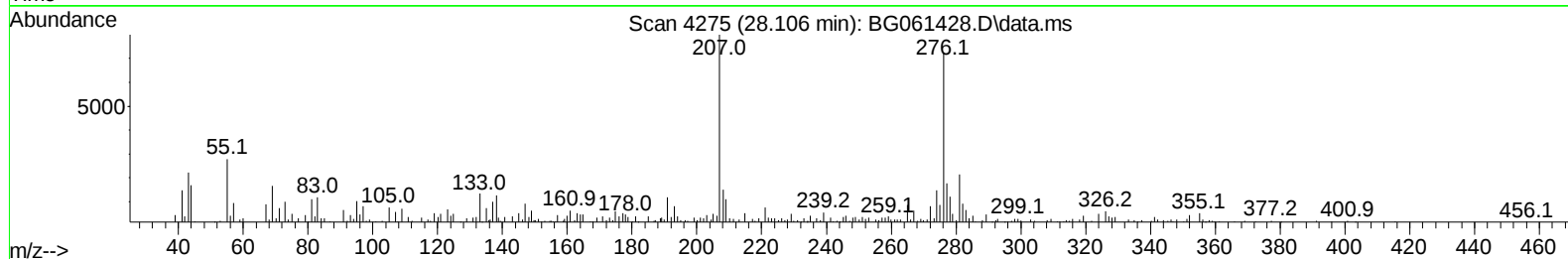
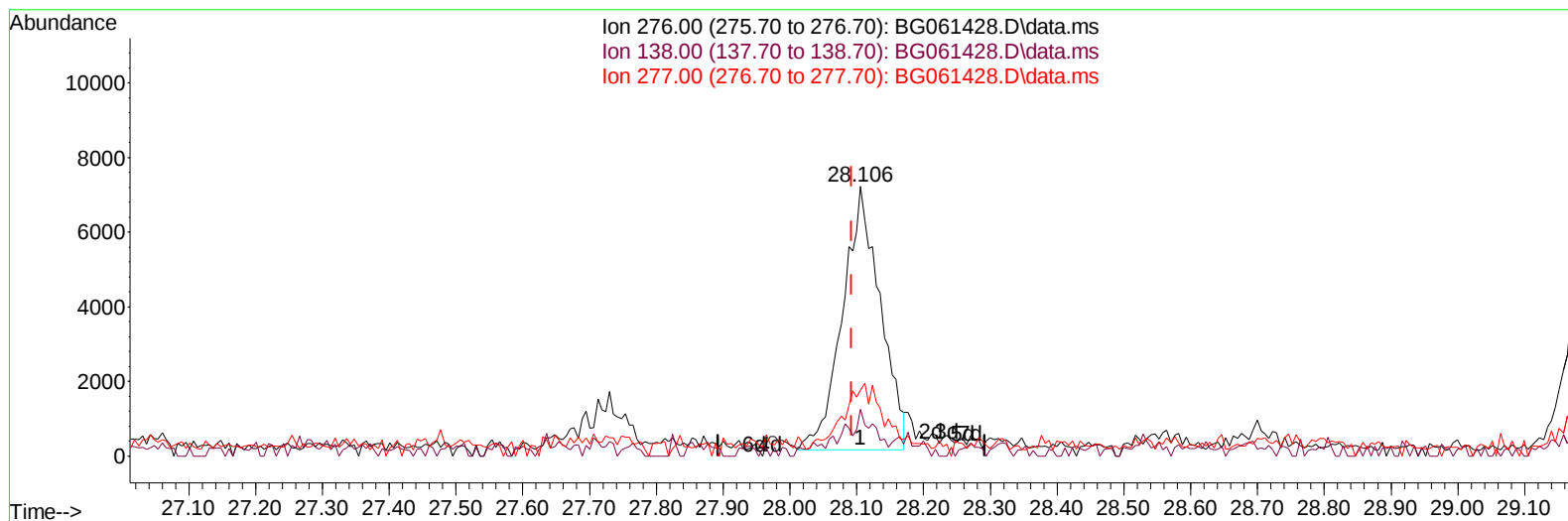
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:50:28 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

**28.106min (+ 0.013) 1.22 ng/u1**

**response 27606**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 21.99# |
| 277.00 | 24.60  | 24.48  |
| 0.00   | 0.00   | 0.00   |

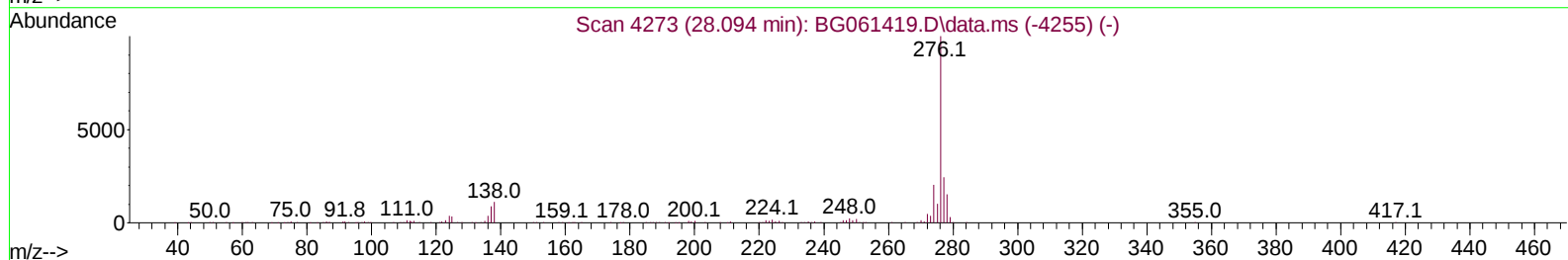
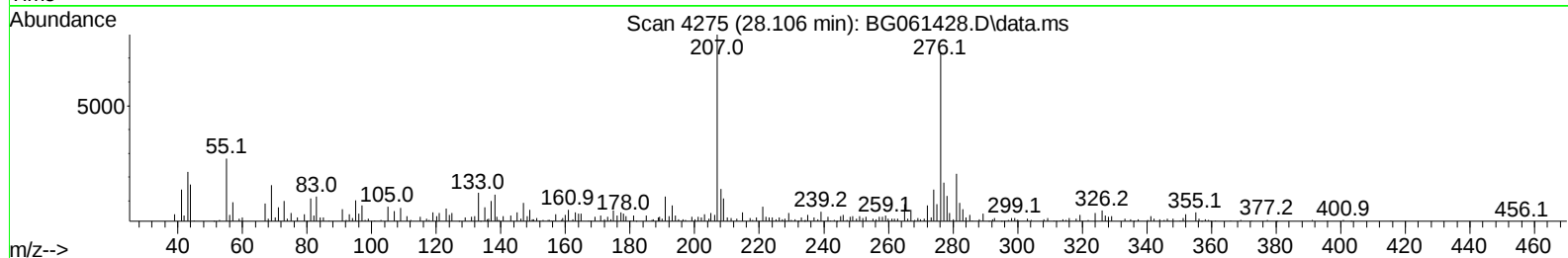
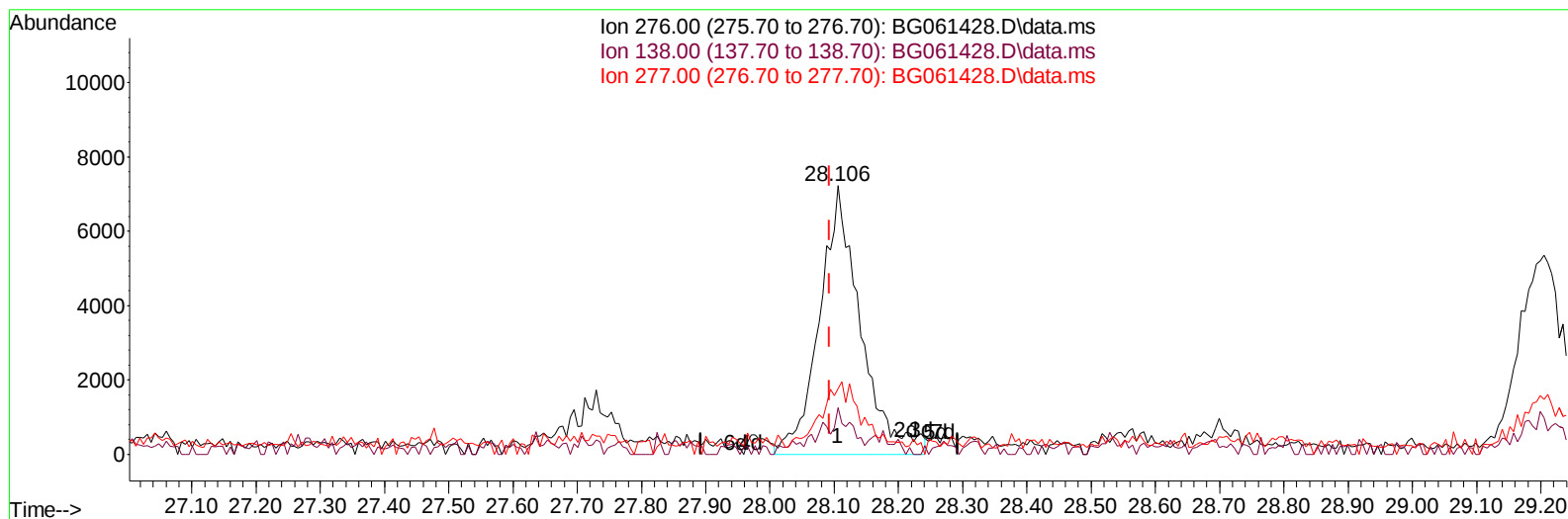
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061428.D  
Acq On : 3 Jun 2024 18:11  
Operator : MA/JU  
Sample : P2577-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:50:28 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 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

28.106min (+ 0.013) 1.41 ng/ul m

response 31792

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 17.39# |
| 277.00 | 24.60  | 24.48  |
| 0.00   | 0.00   | 0.00   |

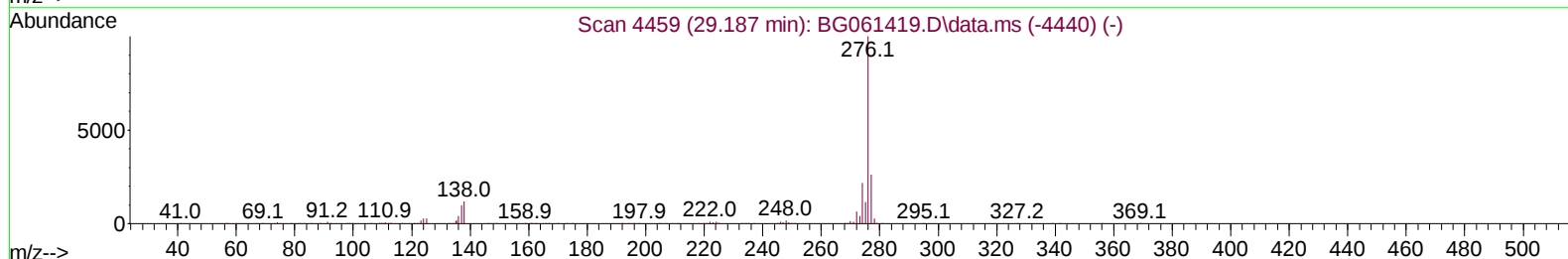
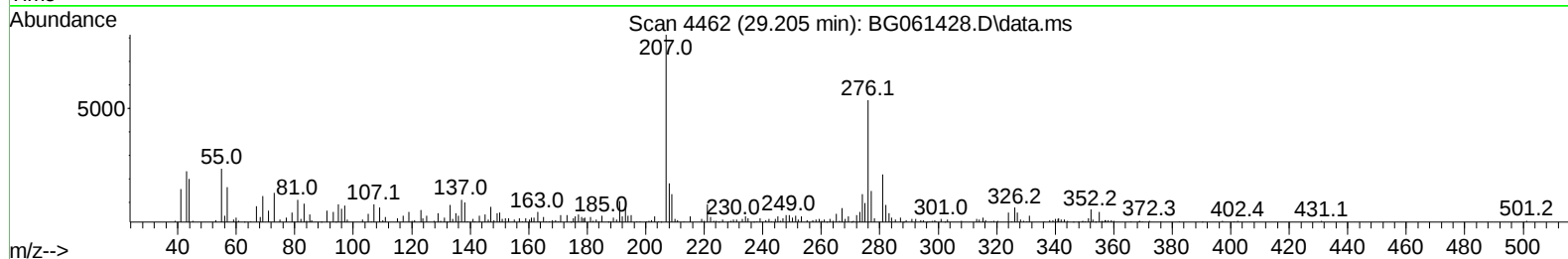
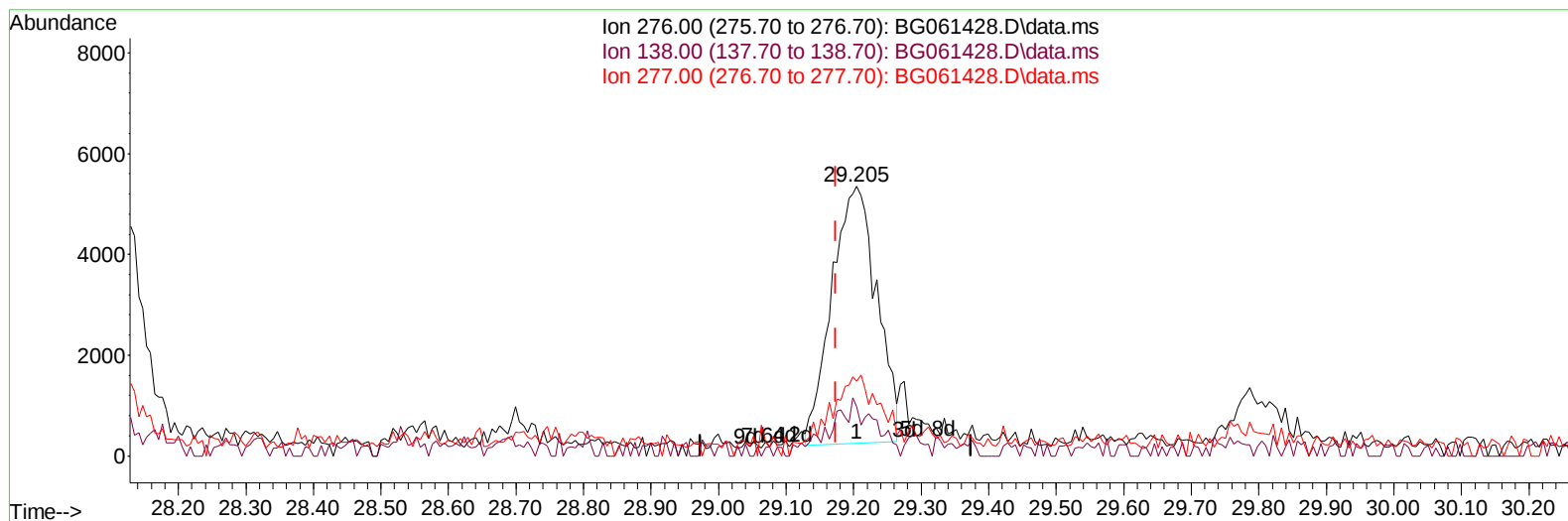
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061428.D  
Acq On : 3 Jun 2024 18:11  
Operator : MA/JU  
Sample : P2577-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:51:25 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 06/04/2024  
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

**29.205min (+ 0.031) 1.32 ng/u1**

**response 23679**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 18.32# |
| 277.00 | 22.70  | 27.62# |
| 0.00   | 0.00   | 0.00   |

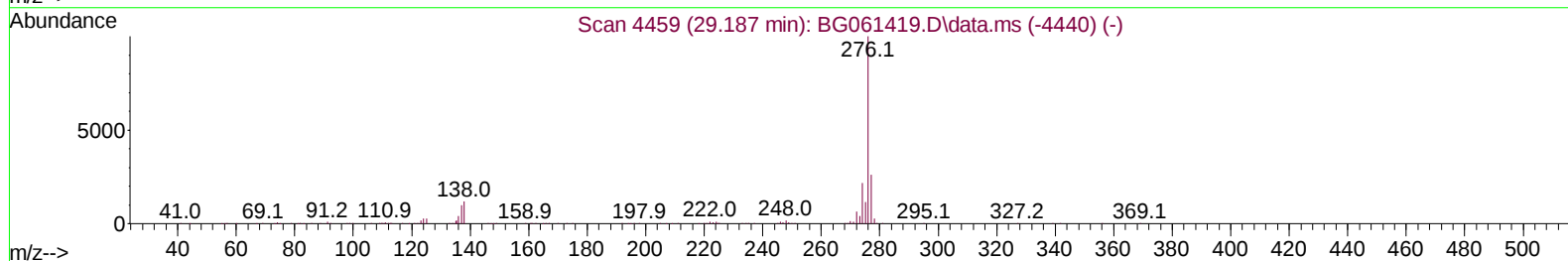
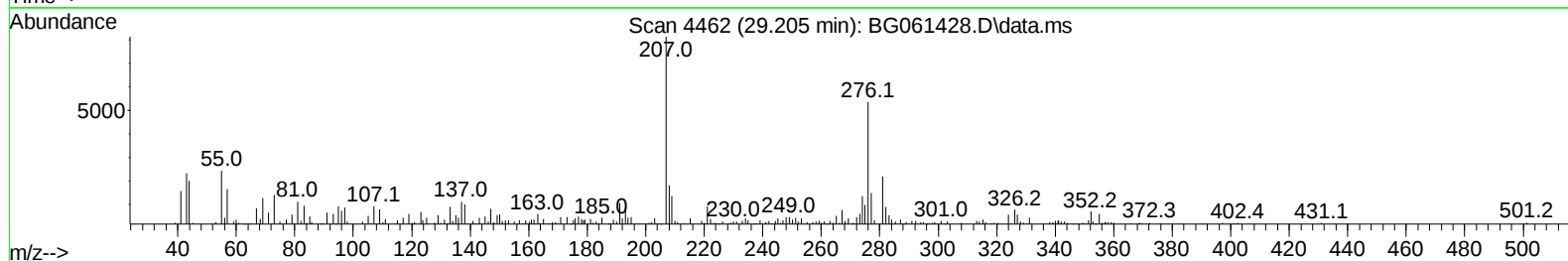
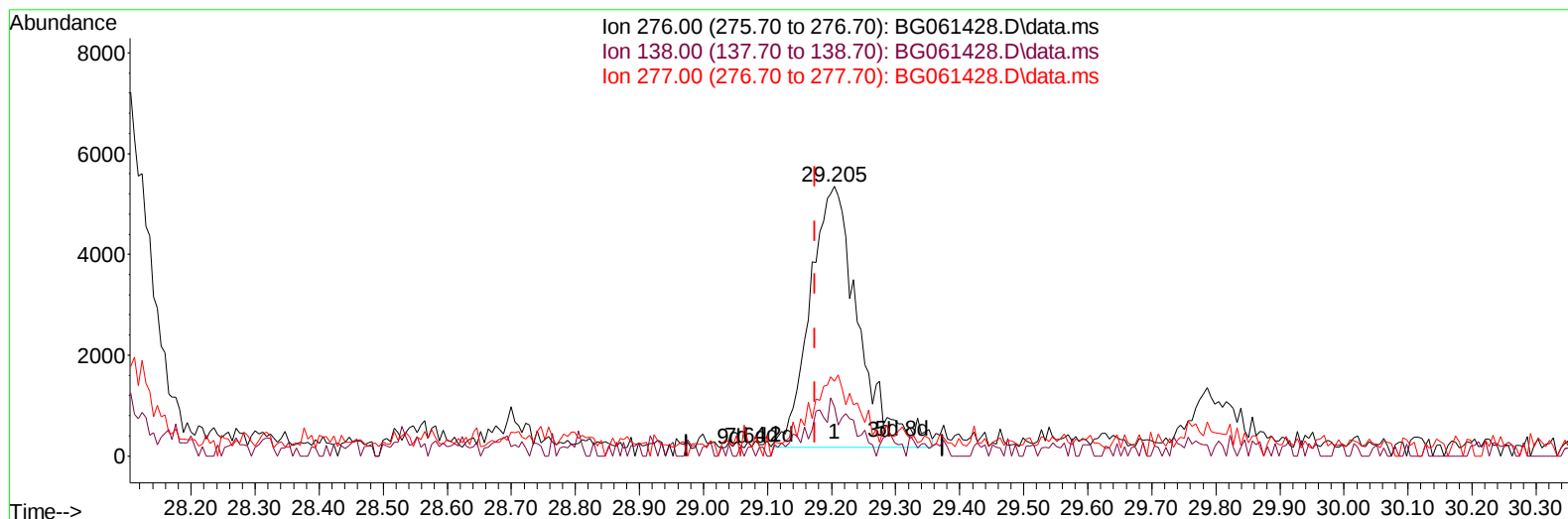
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:51:25 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061428.D\data.ms

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

29.205min (+ 0.031) 1.54 ng/ul m

response 27603

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 18.32# |
| 277.00 | 22.70  | 27.62# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 23:50:35 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.877  | 152  | 35415    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.668 | 136  | 141251   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.510 | 164  | 109945   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.260 | 188  | 263767   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.514 | 240  | 283970   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.610 | 264  | 330109   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 3022m    | 4.775  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 36797    | 16.344 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.060  | 99   | 69956    | 24.054 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.207  | 67   | 42973    | 23.508 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.413  | 132  | 55614    | 25.838 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 57591    | 23.223 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.034  | 128  | 28936    | 26.607 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.757  | 143  | 31953    | 25.105 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 66193    | 26.676 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.809 | 131  | 55714    | 17.163 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.917 | 166  | 211419   | 24.794 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.205 | 160  | 232763   | 26.256 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.757 | 143  | 22019m   | 20.886 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.503 | 176  | 190259   | 25.844 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 30970    | 19.413 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.360 | 188  | 300230   | 25.818 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 388170   | 26.622 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.393 | 264  | 421999   | 26.591 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.301 | 178  | 20112    | 1.571  | ng/ul  | 96       |
| 80) Fluoranthene              | 19.322 | 202  | 52496    | 3.001  | ng/ul  | 99       |
| 82) Pyrene                    | 19.681 | 202  | 51441    | 2.833  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.496 | 228  | 32626    | 1.665  | ng/ul  | 95       |
| 87) Chrysene                  | 21.561 | 228  | 37985m   | 2.105  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.629 | 252  | 53484    | 2.721  | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 24.457 | 252  | 35061    | 1.879  | ng/ul# | 87       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.106 | 276  | 31792m   | 1.409  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.205 | 276  | 27603m   | 1.537  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061428.D  
 Acq On : 3 Jun 2024 18:11  
 Operator : MA/JU  
 Sample : P2577-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBP2

Manual IntegrationsAPPROVED

Quant Time: Jun 03 23:50:35 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 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024

