

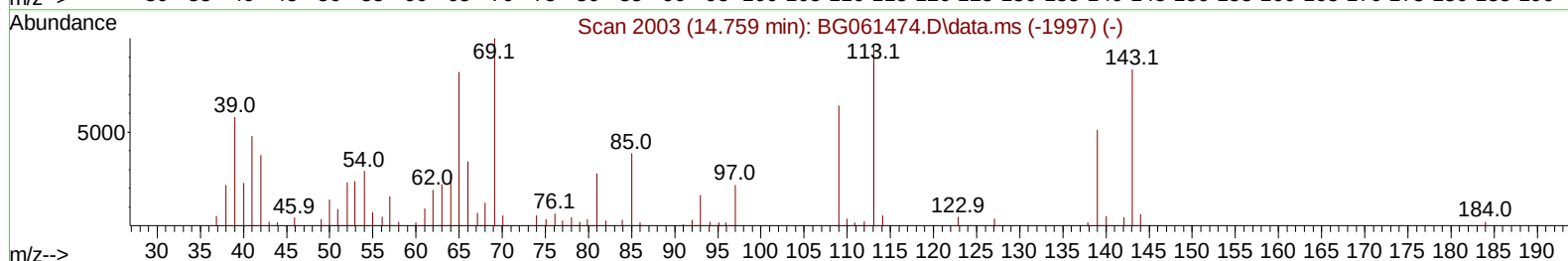
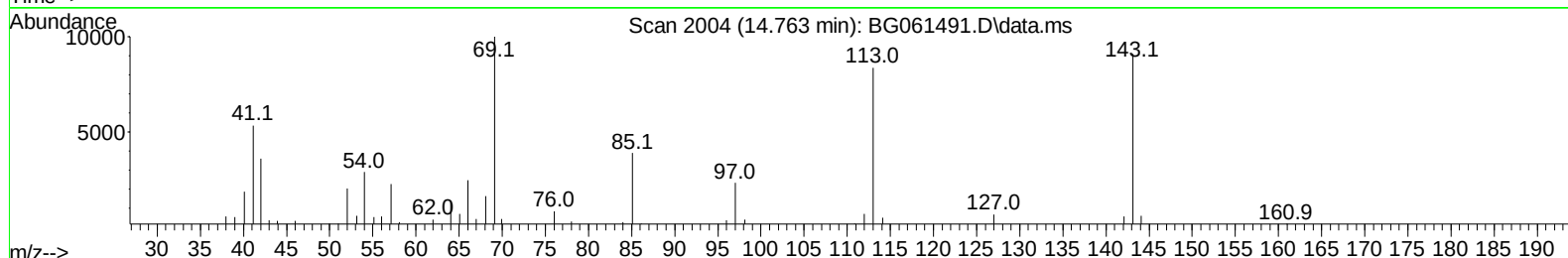
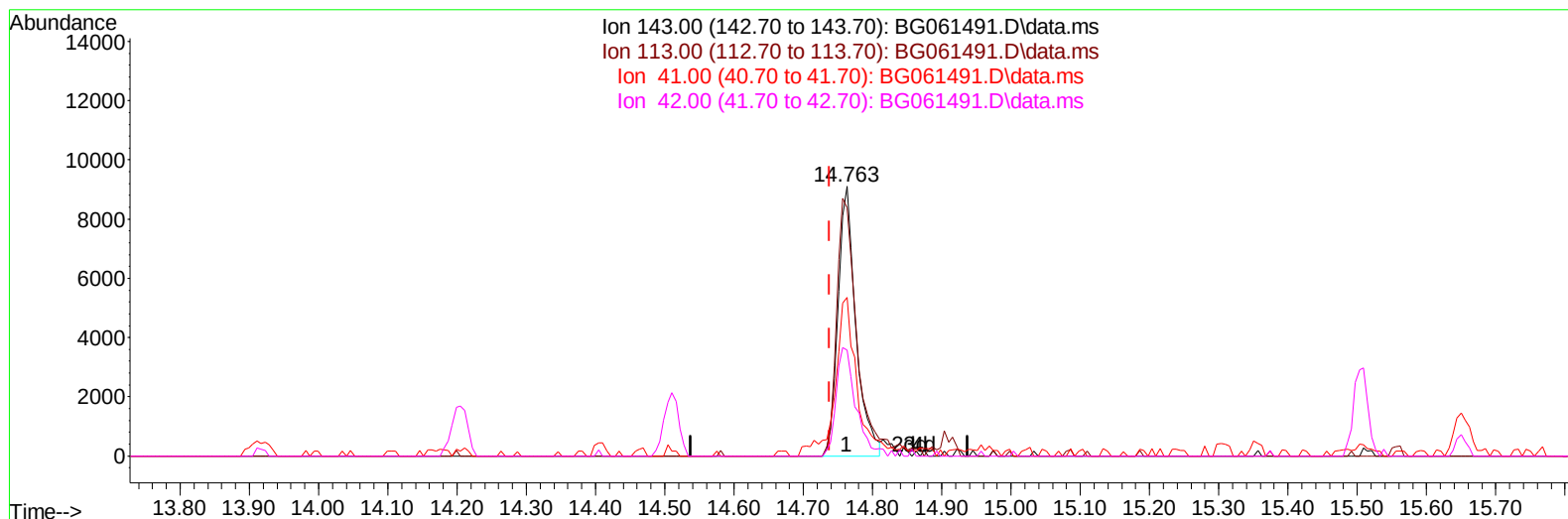
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:32:53 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: BG061491.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.763min (+ 0.025) 22.33 ng/ul

response 16330

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 92.18# |
| 41.00  | 77.10  | 58.82# |
| 42.00  | 49.50  | 39.39# |

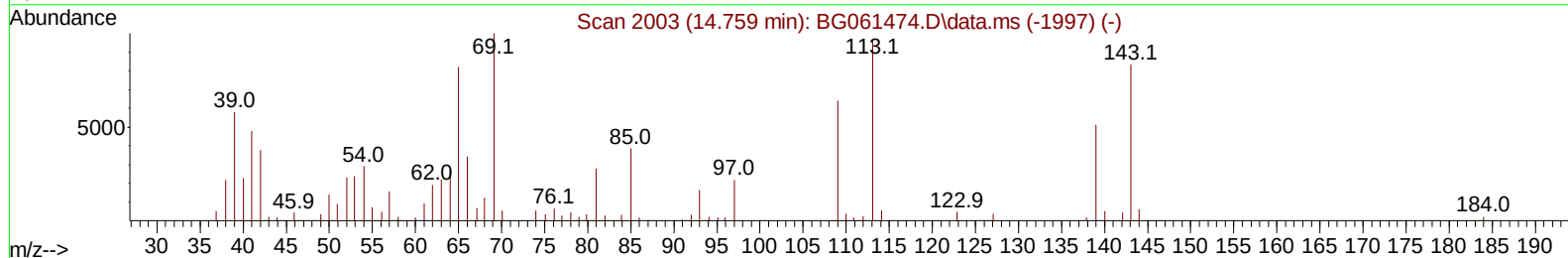
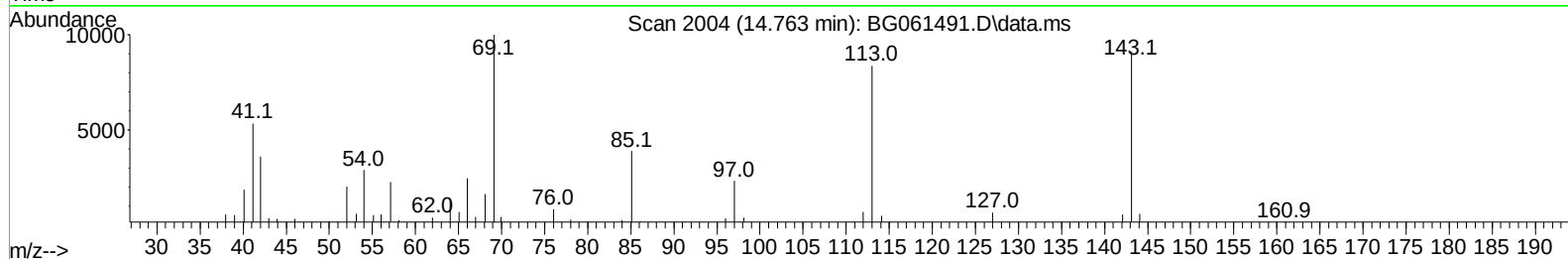
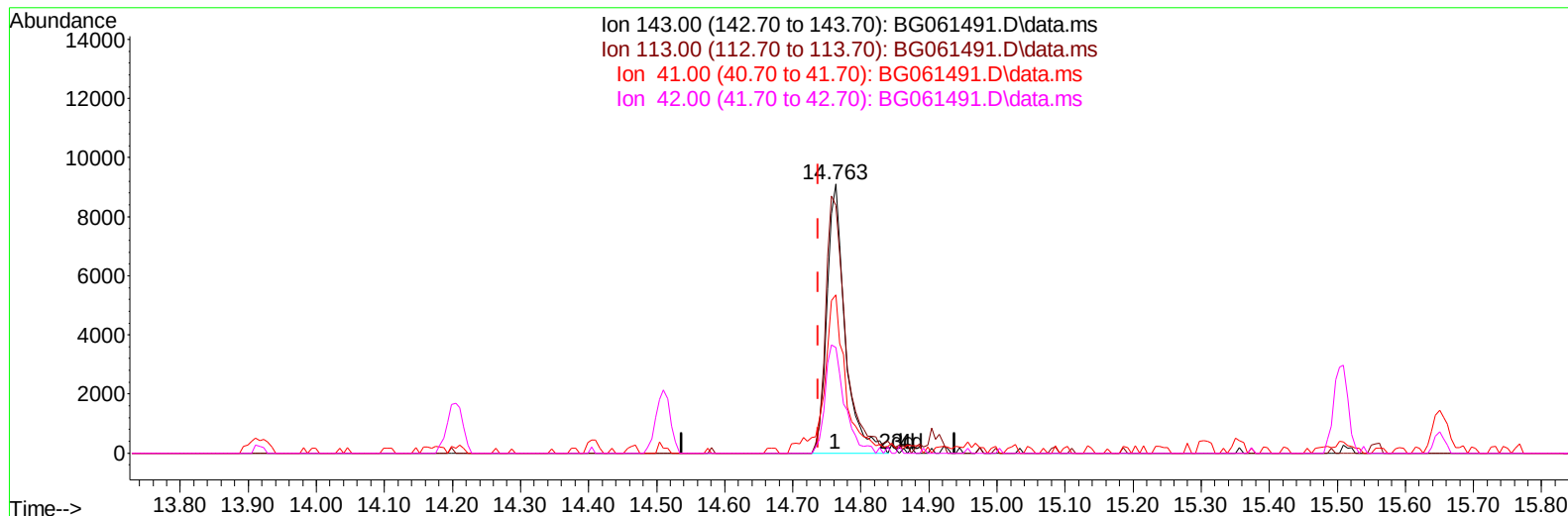
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:32:53 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: BG061491.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.763min (+ 0.025) 23.10 ng/ul m

response 16891

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 92.18# |
| 41.00  | 77.10  | 58.82# |
| 42.00  | 49.50  | 39.39# |

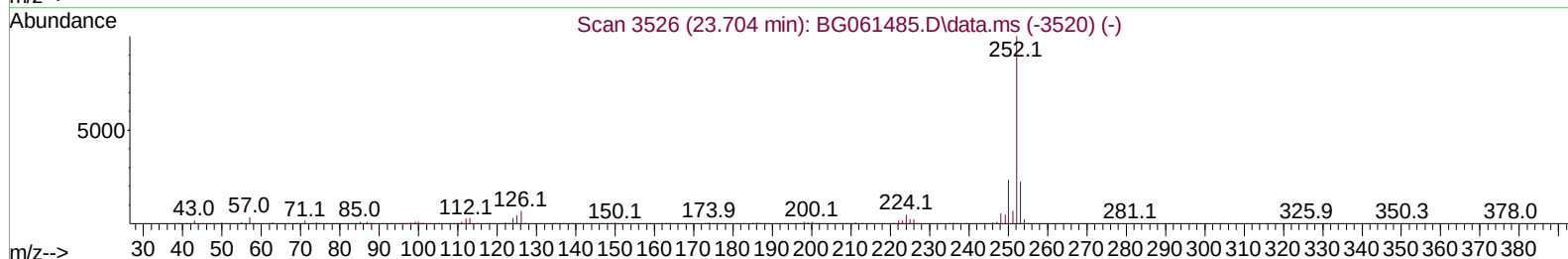
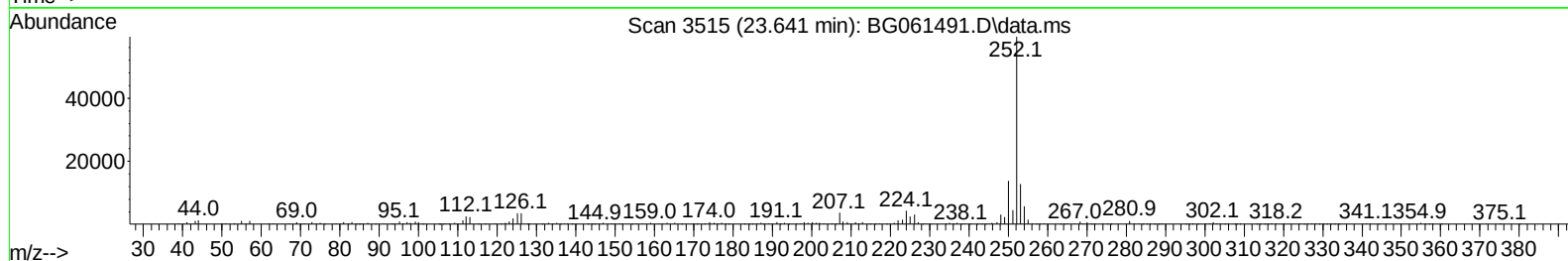
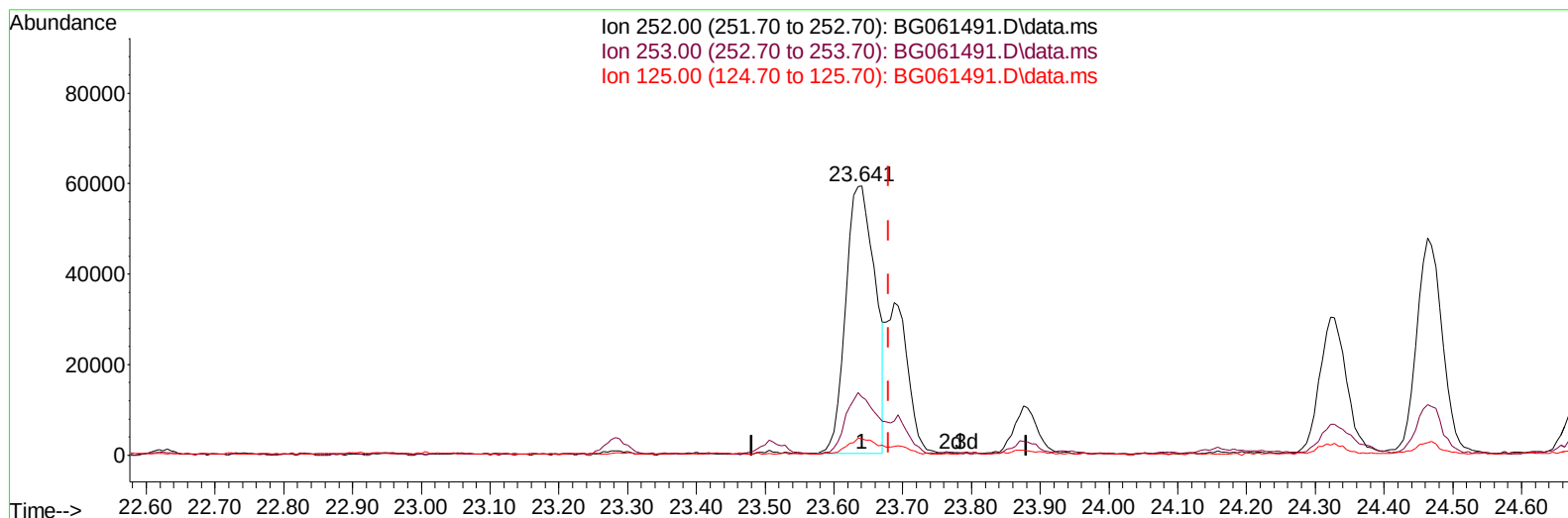
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061491.D  
 Acq On : 5 Jun 2024 17:56  
 Operator : MA/JU  
 Sample : P2623-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

(91) Benzo(k)fluoranthene

23.641min (-0.039) 13.13 ng/u1

response 176073

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 21.49  |
| 125.00 | 5.40   | 6.01   |
| 0.00   | 0.00   | 0.00   |

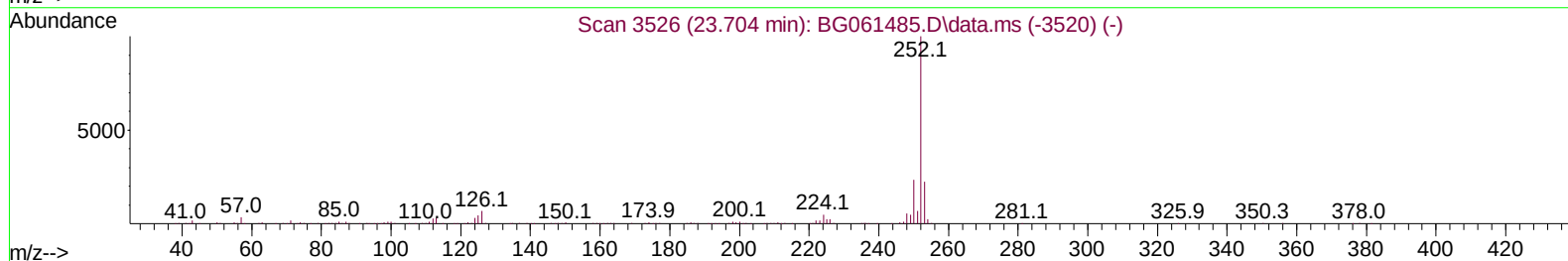
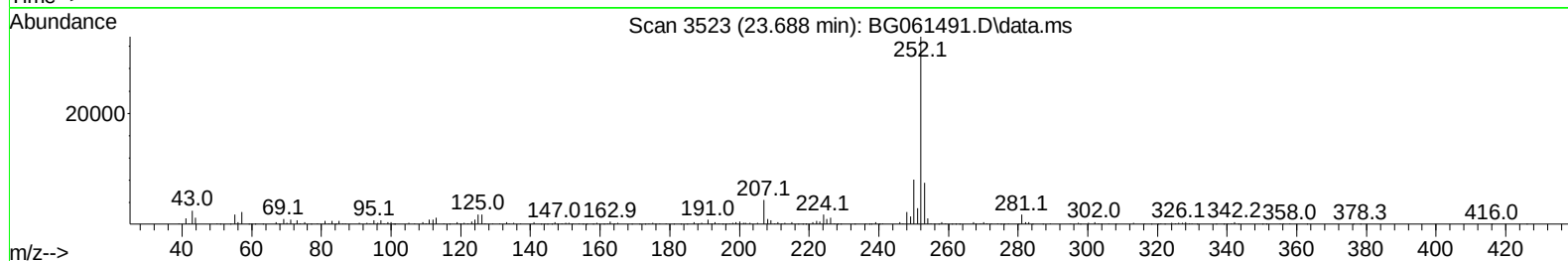
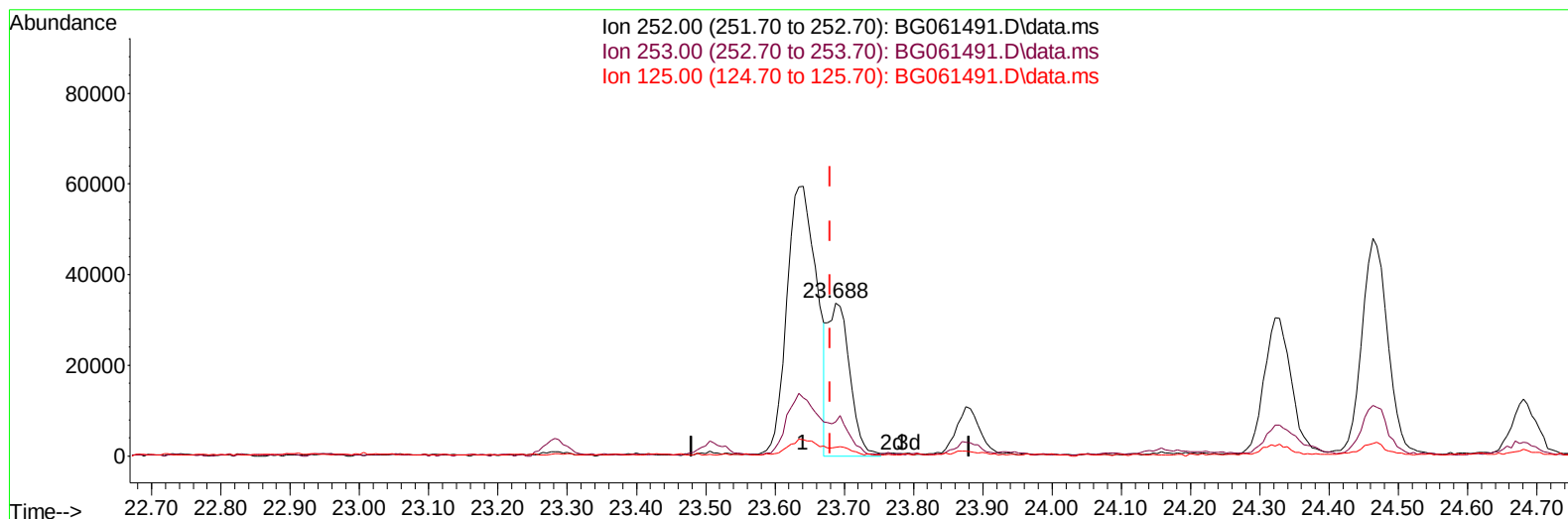
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

(91) Benzo(k)fluoranthene

23.688min (+ 0.008) 5.57 ng/u l m

response 74726

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 22.40  |
| 125.00 | 5.40   | 5.68   |
| 0.00   | 0.00   | 0.00   |

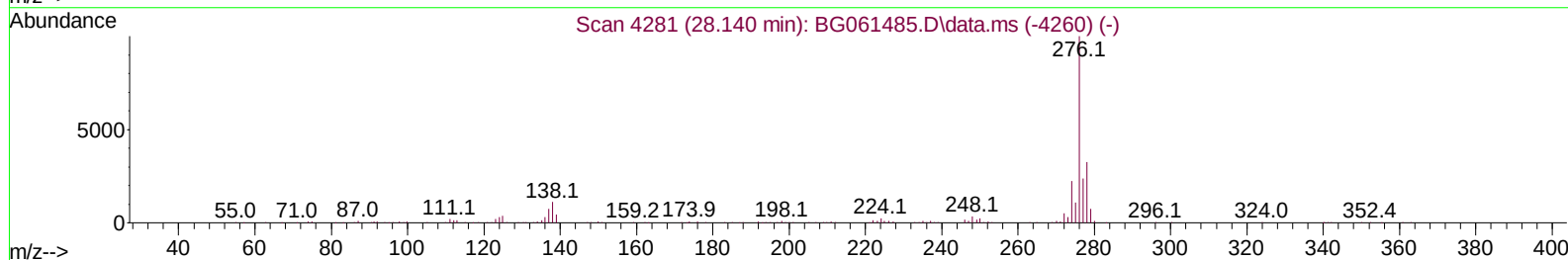
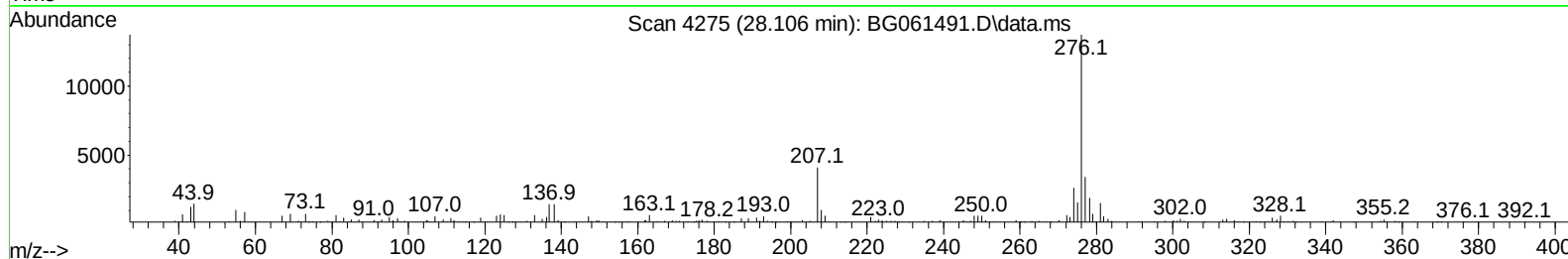
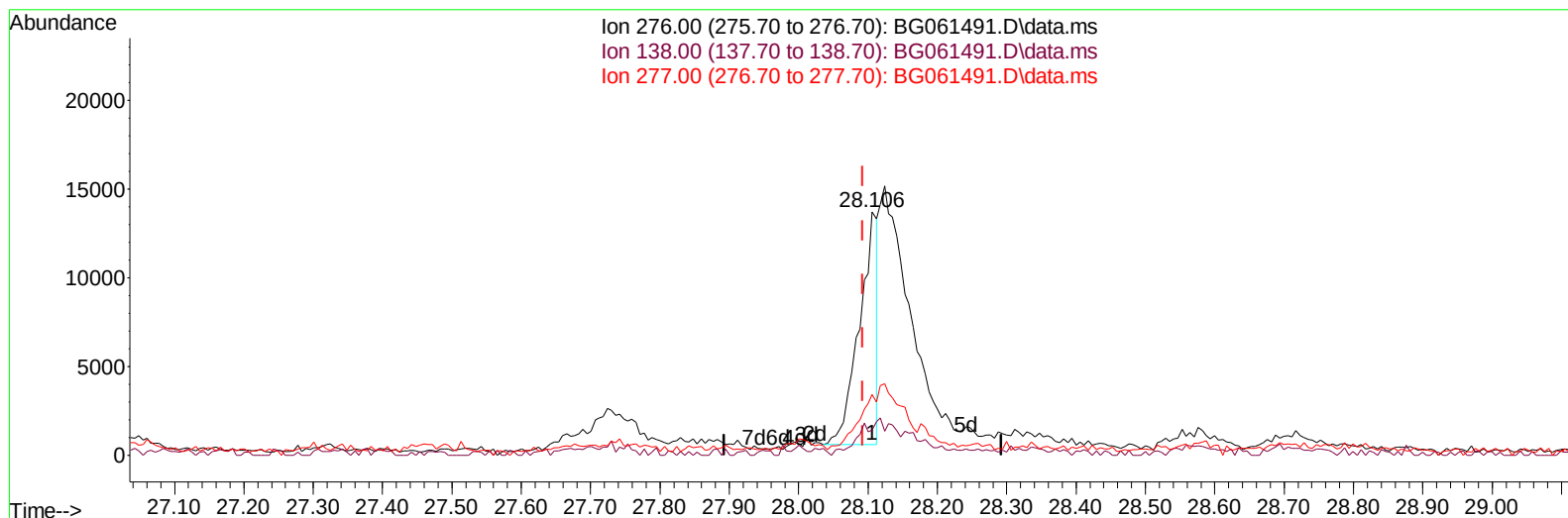
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061491.D  
 Acq On : 5 Jun 2024 17:56  
 Operator : MA/JU  
 Sample : P2623-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

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

**28.106min (+ 0.013) 1.57 ng/u1**

**response 23822**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 10.44  |
| 277.00 | 24.60  | 24.94  |
| 0.00   | 0.00   | 0.00   |

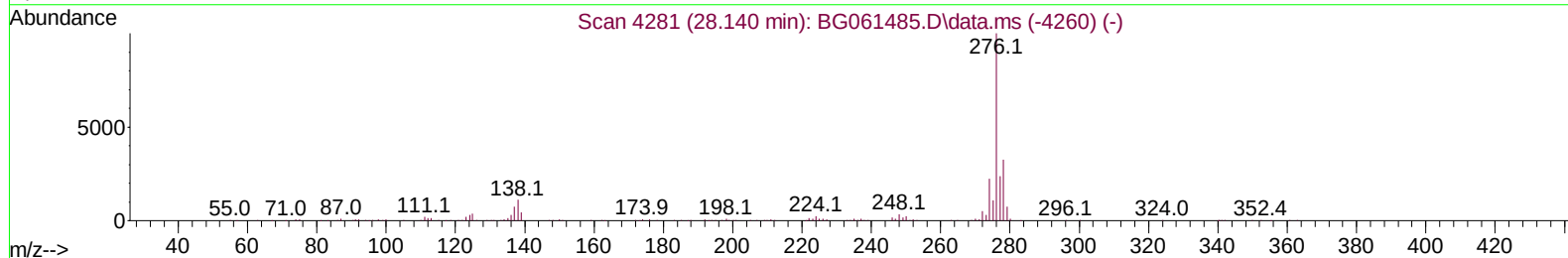
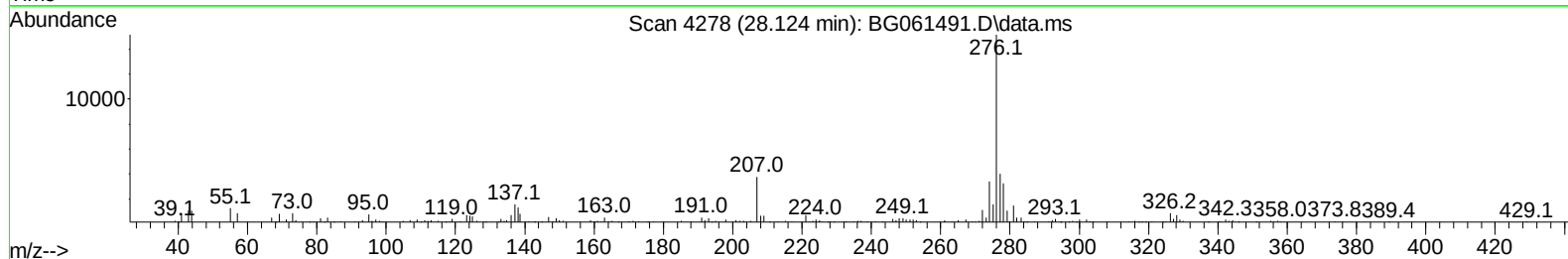
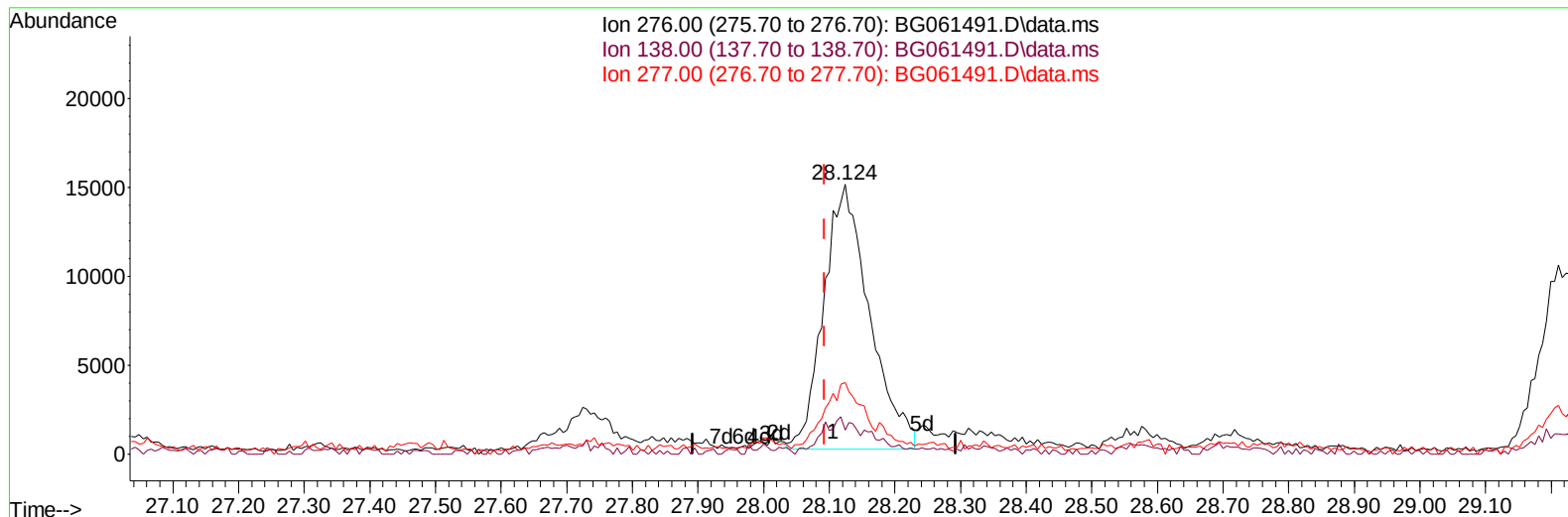
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

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

28.124min (+ 0.031) 4.76 ng/u l m

response 72118

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.80  | 8.79   |
| 277.00 | 24.60  | 26.59  |
| 0.00   | 0.00   | 0.00   |

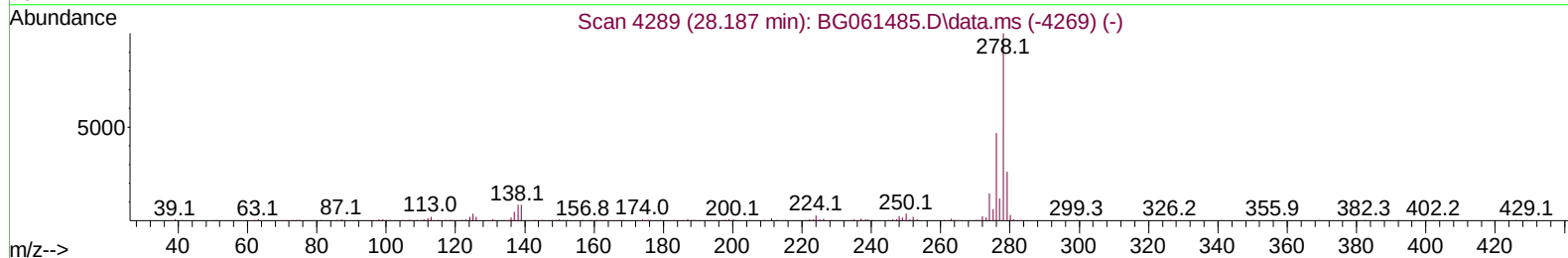
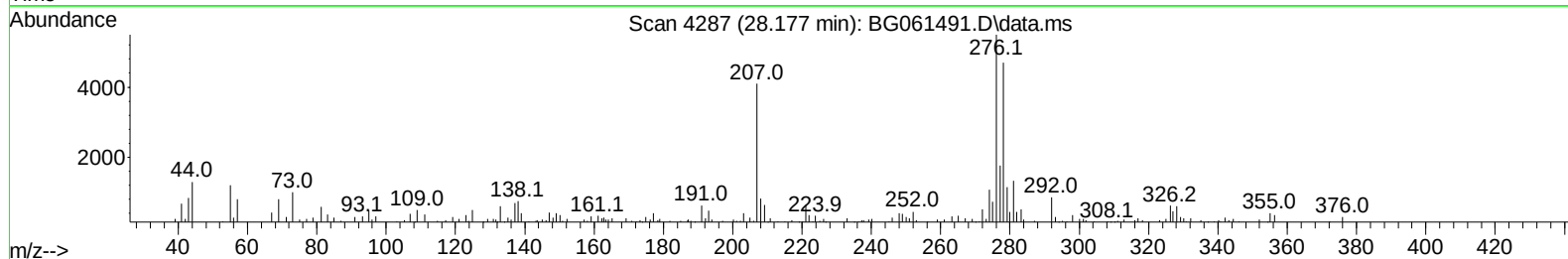
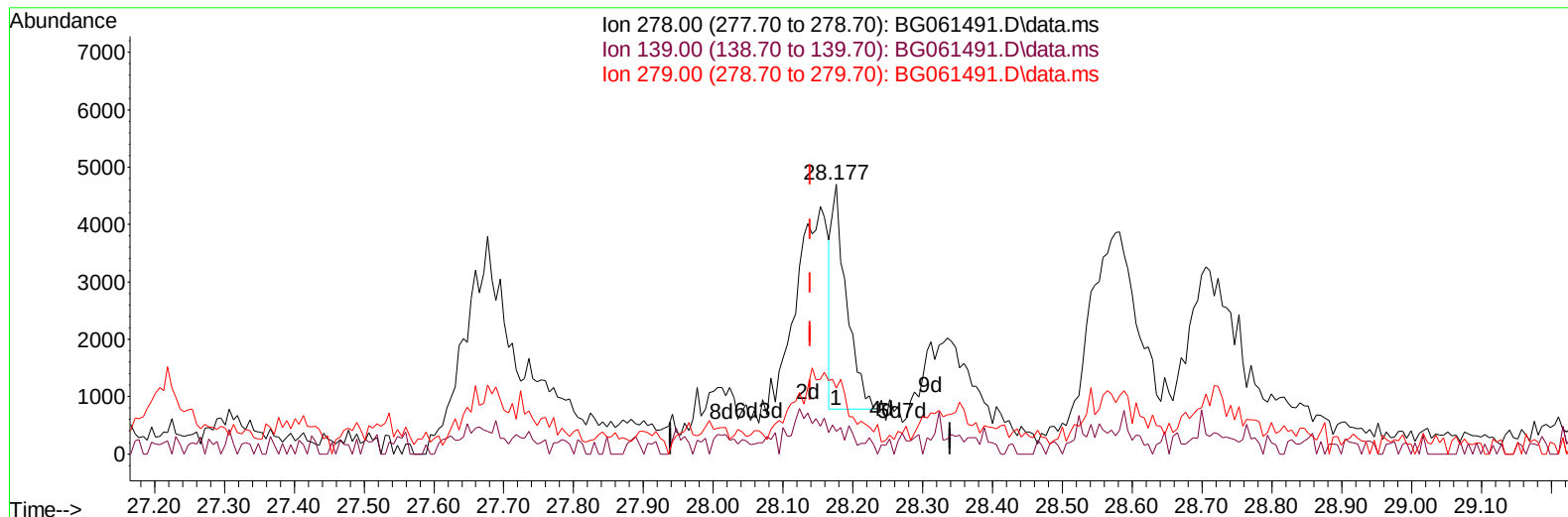
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

(95) Dibenzo(a,h)anthracene

28.177min (+ 0.037) 0.47 ng/u1

response 5880

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 8.49   |
| 279.00 | 24.90  | 24.53  |
| 0.00   | 0.00   | 0.00   |

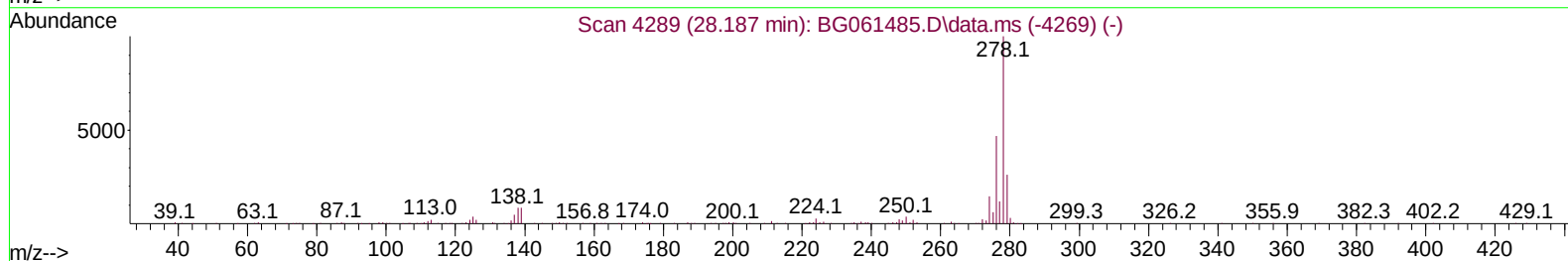
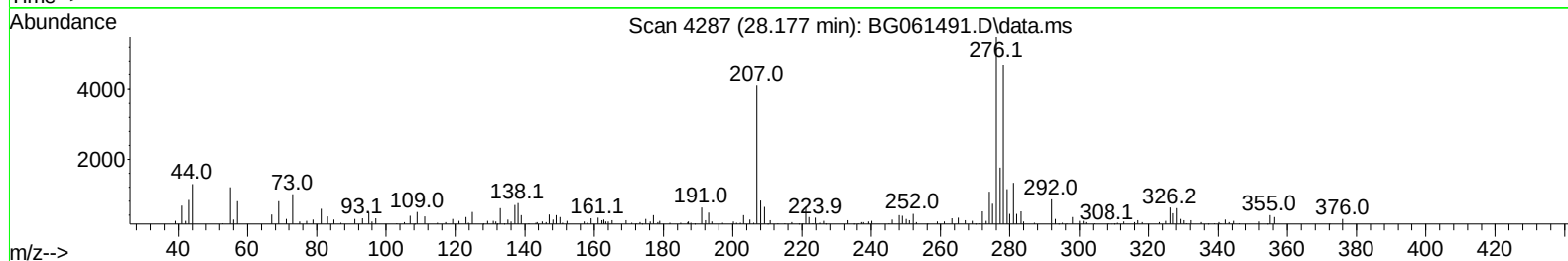
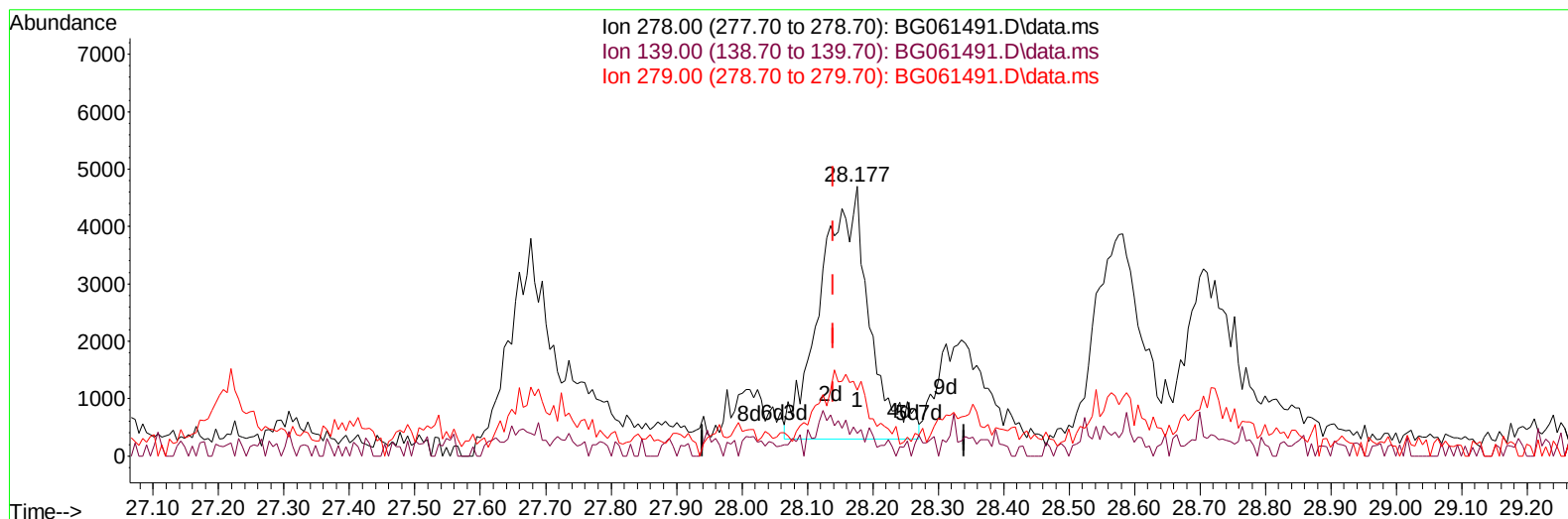
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061491.D  
 Acq On : 5 Jun 2024 17:56  
 Operator : MA/JU  
 Sample : P2623-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

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

**28.177min (+ 0.037) 1.83 ng/ul m**

**response 22858**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 8.49   |
| 279.00 | 24.90  | 24.53  |
| 0.00   | 0.00   | 0.00   |



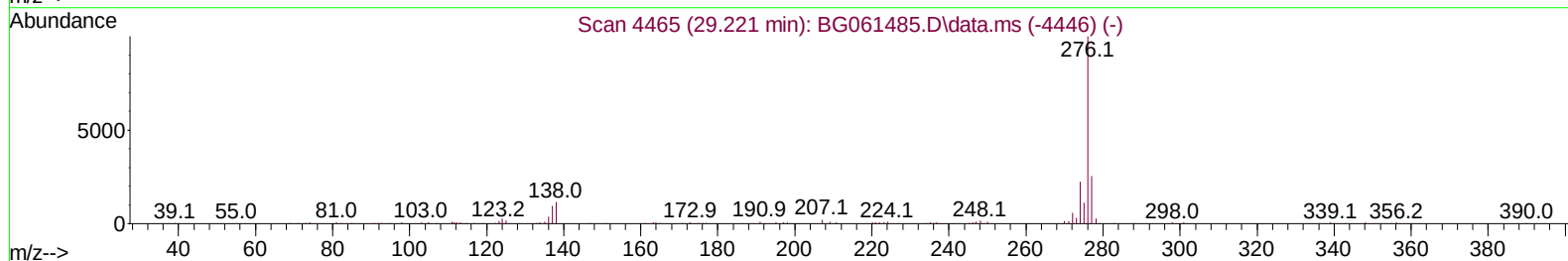
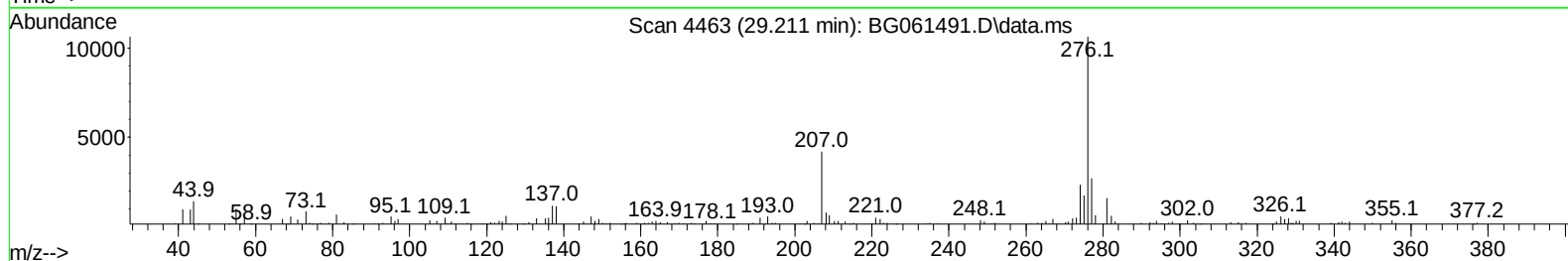
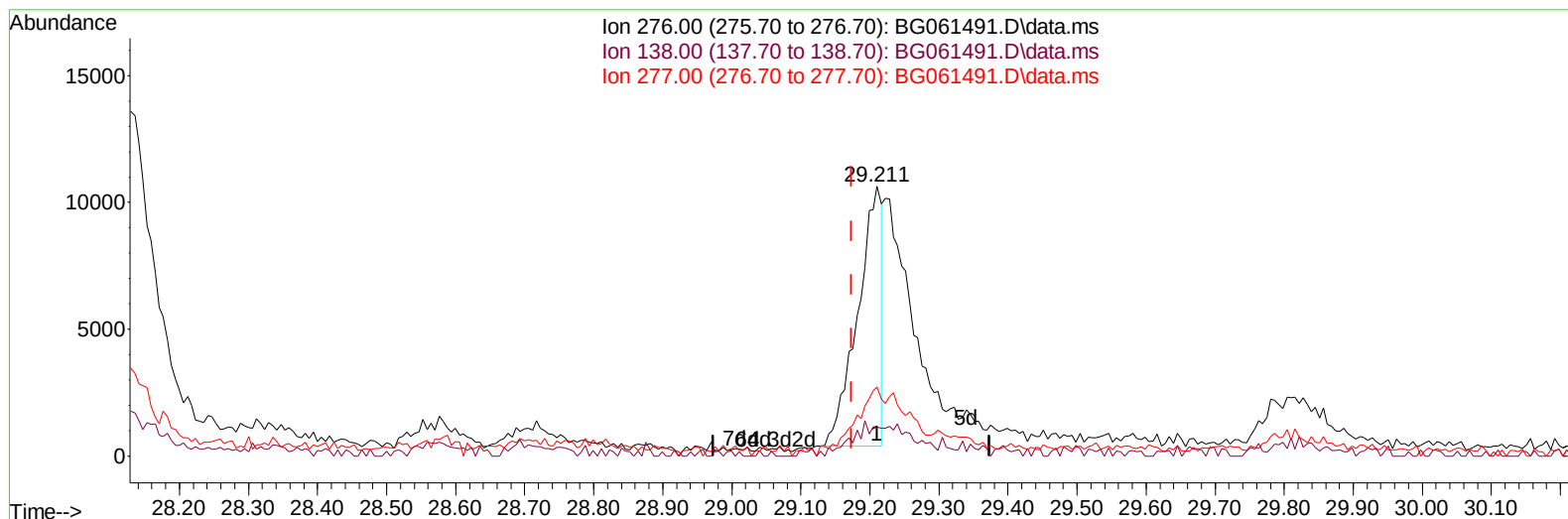
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

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

29.211min (+ 0.037) 2.06 ng/u1

response 24795

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 10.75  |
| 277.00 | 22.70  | 25.63  |
| 0.00   | 0.00   | 0.00   |

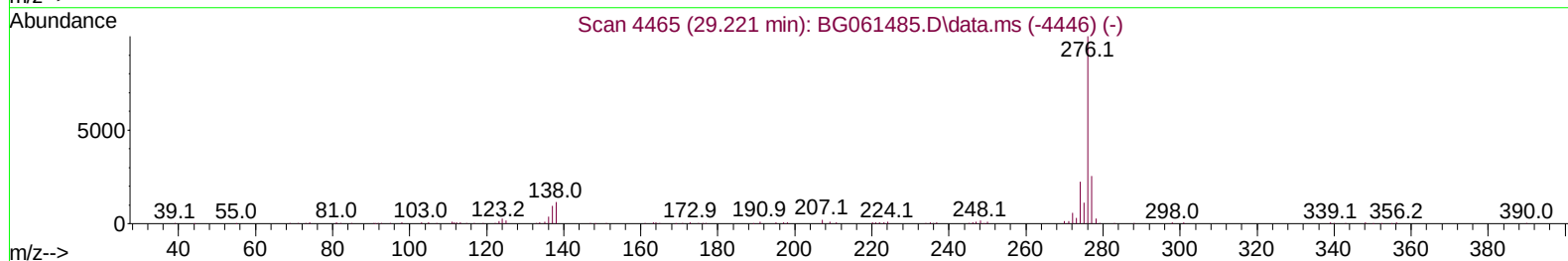
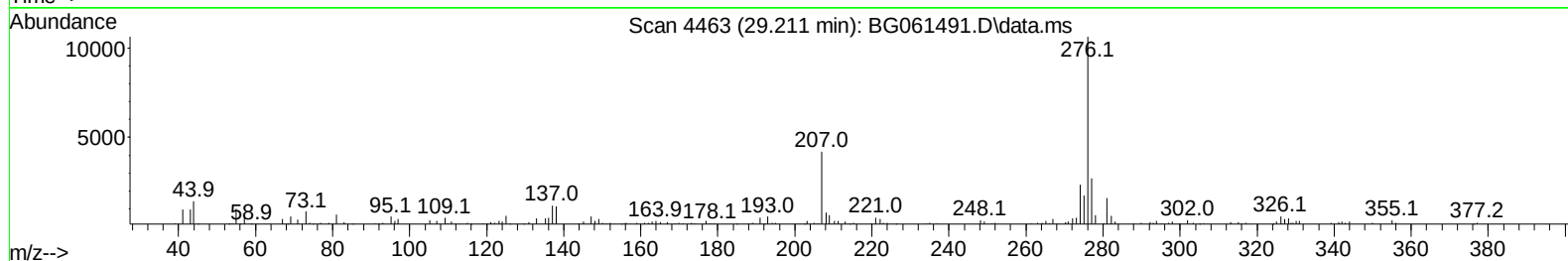
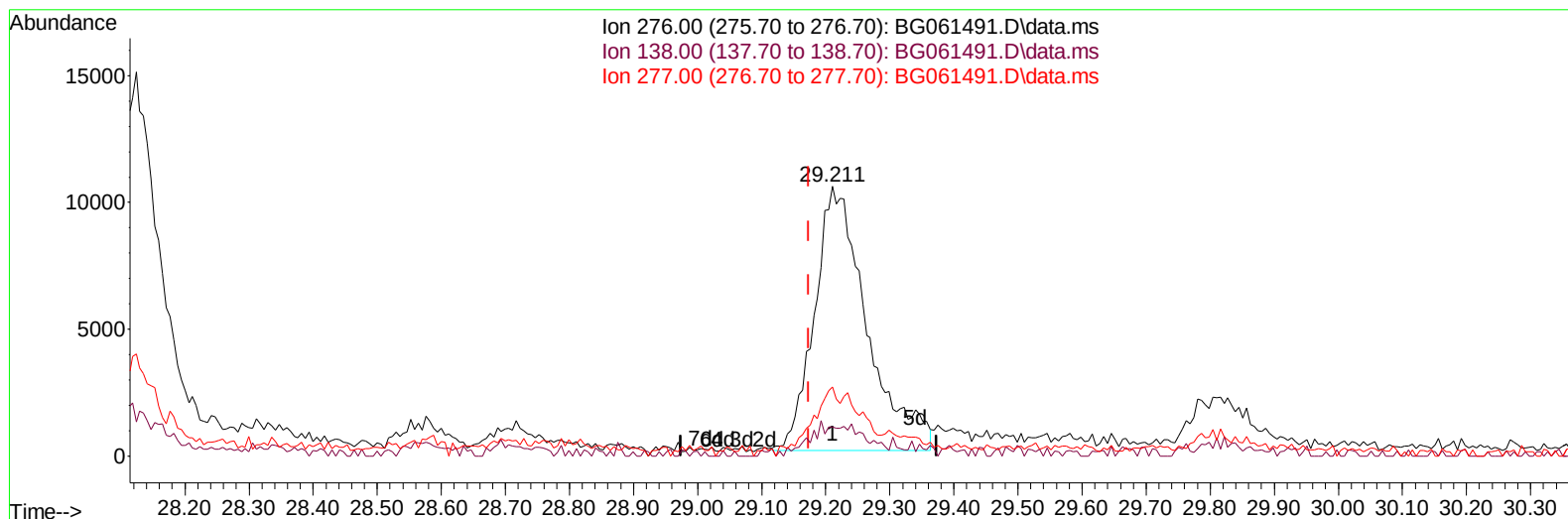
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
Data File : BG061491.D  
Acq On : 5 Jun 2024 17:56  
Operator : MA/JU  
Sample : P2623-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 18:30:14 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 06/06/2024  
Supervised By :mohammad ahmed 06/07/2024



TIC: BG061491.D\data.ms

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

29.211min (+ 0.037) 4.90 ng/ul m

response 59157

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 10.75  |
| 277.00 | 22.70  | 25.63  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061491.D  
 Acq On : 5 Jun 2024 17:56  
 Operator : MA/JU  
 Sample : P2623-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 23:55:41 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.877  | 152  | 27464    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.668 | 136  | 107855   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.510 | 164  | 76273    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.266 | 188  | 188716   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.520 | 240  | 193559   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.610 | 264  | 221791   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 2043     | 4.163  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 29548    | 16.924 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.066  | 99   | 60771    | 26.945 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.207  | 67   | 34511    | 24.345 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.418  | 132  | 47146    | 28.246 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 49699    | 25.843 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.034  | 128  | 23849    | 28.720 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.757  | 143  | 27730    | 28.533 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 54213    | 28.613 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.809 | 131  | 60051    | 24.226 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.917 | 166  | 164210   | 27.759 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.205 | 160  | 180994   | 29.430 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 16891m   | 23.095 | ng/ul  | 0.03     |
| 60) Fluorene-d10              | 15.509 | 176  | 141538   | 27.713 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 18678    | 16.364 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.360 | 188  | 242642   | 29.164 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 294294   | 29.612 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.404 | 264  | 310747   | 29.143 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.715 | 128  | 14960    | 2.628  | ng/ul# | 97       |
| 36) 2-Methylnaphthalene       | 12.330 | 142  | 5708     | 1.383  | ng/ul  | 88       |
| 37) 1-Methylnaphthalene       | 12.554 | 142  | 5049     | 1.192  | ng/ul# | 86       |
| 52) Acenaphthene              | 14.575 | 153  | 8370     | 1.871  | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.910 | 168  | 15762    | 2.464  | ng/ul  | 93       |
| 61) Fluorene                  | 15.562 | 166  | 13204    | 2.386  | ng/ul  | 95       |
| 72) Phenanthrene              | 17.307 | 178  | 247300   | 26.999 | ng/ul  | 99       |
| 74) Anthracene                | 17.395 | 178  | 51010    | 5.386  | ng/ul  | 99       |
| 77) Carbazole                 | 17.671 | 167  | 27991    | 3.634  | ng/ul  | 97       |
| 80) Fluoranthene              | 19.322 | 202  | 344698   | 28.912 | ng/ul  | 98       |
| 82) Pyrene                    | 19.686 | 202  | 260965   | 21.087 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.496 | 228  | 169618   | 12.700 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.408 | 149  | 13334    | 2.119  | ng/ul# | 91       |
| 87) Chrysene                  | 21.561 | 228  | 145418   | 11.825 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.641 | 252  | 176073   | 13.333 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.688 | 252  | 74726m   | 5.574  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.463 | 252  | 124098   | 9.897  | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.124 | 276  | 72118m   | 4.756  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.177 | 278  | 22858m   | 1.828  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.211 | 276  | 59157m   | 4.904  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

BHBR9

**Manual IntegrationsAPPROVED**

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060424\  
 Data File : BG061491.D  
 Acq On : 5 Jun 2024 17:56  
 Operator : MA/JU  
 Sample : P2623-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBR9

Manual IntegrationsAPPROVED

Quant Time: Jun 05 23:55:41 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

