

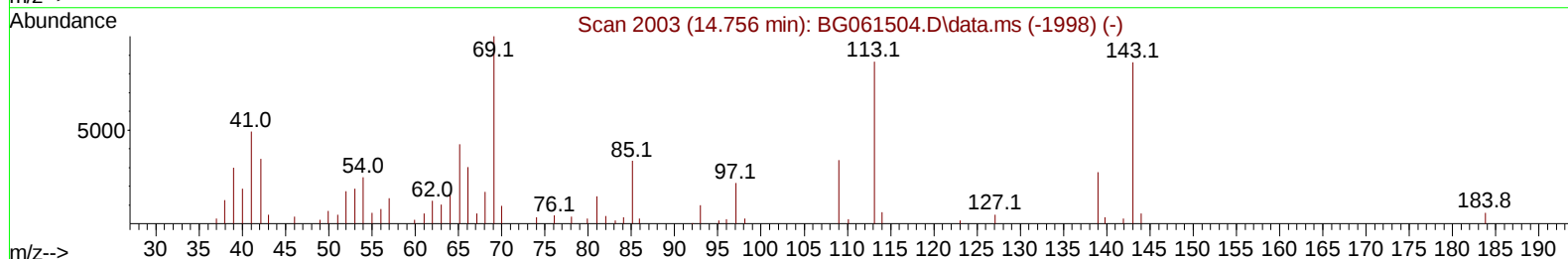
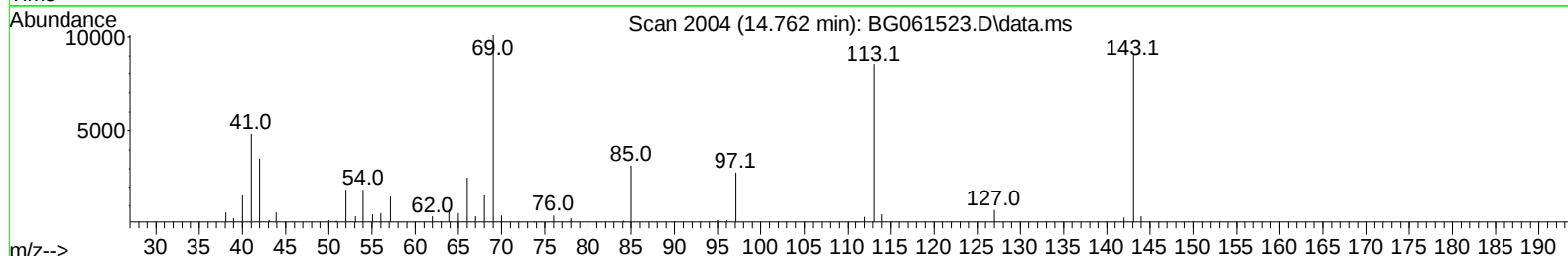
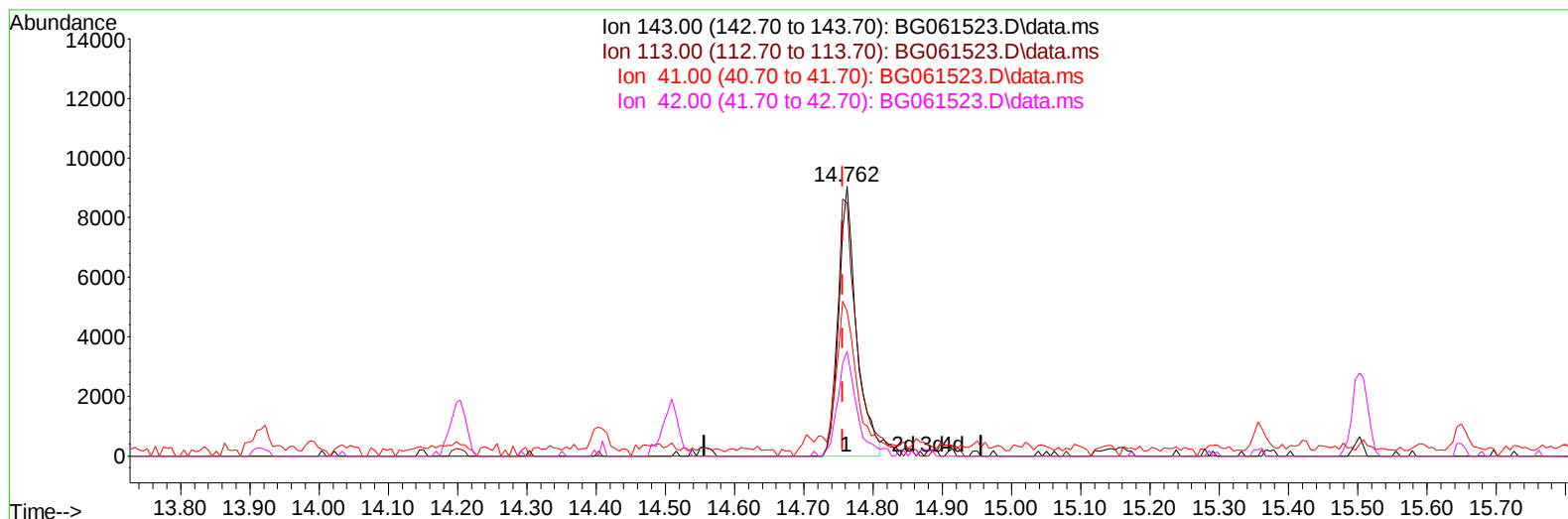
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
 Data File : BG061523.D  
 Acq On : 6 Jun 2024 23:54  
 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
 Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

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

**14.762min (+ 0.006) 22.34 ng/u1**

**response 16066**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 94.06# |
| 41.00  | 77.10  | 53.69# |
| 42.00  | 49.50  | 38.89# |

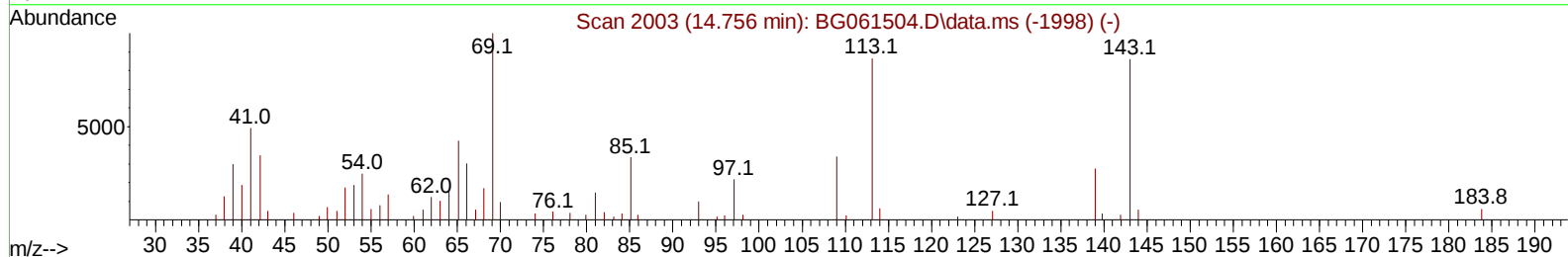
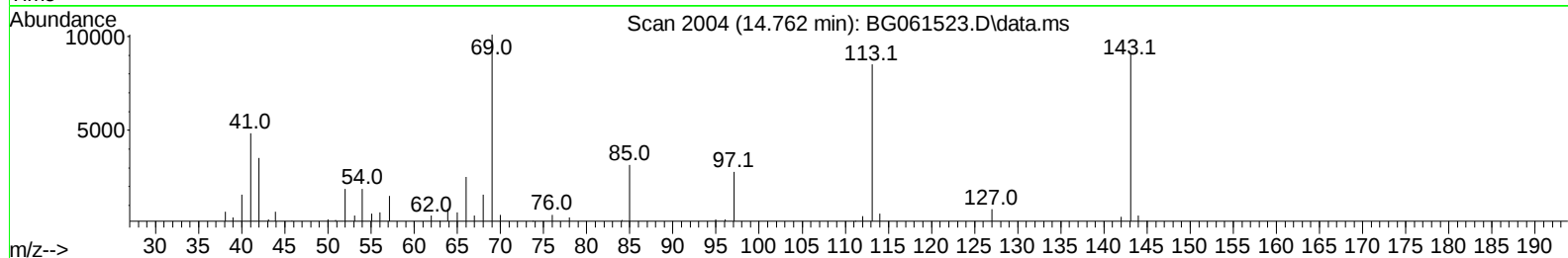
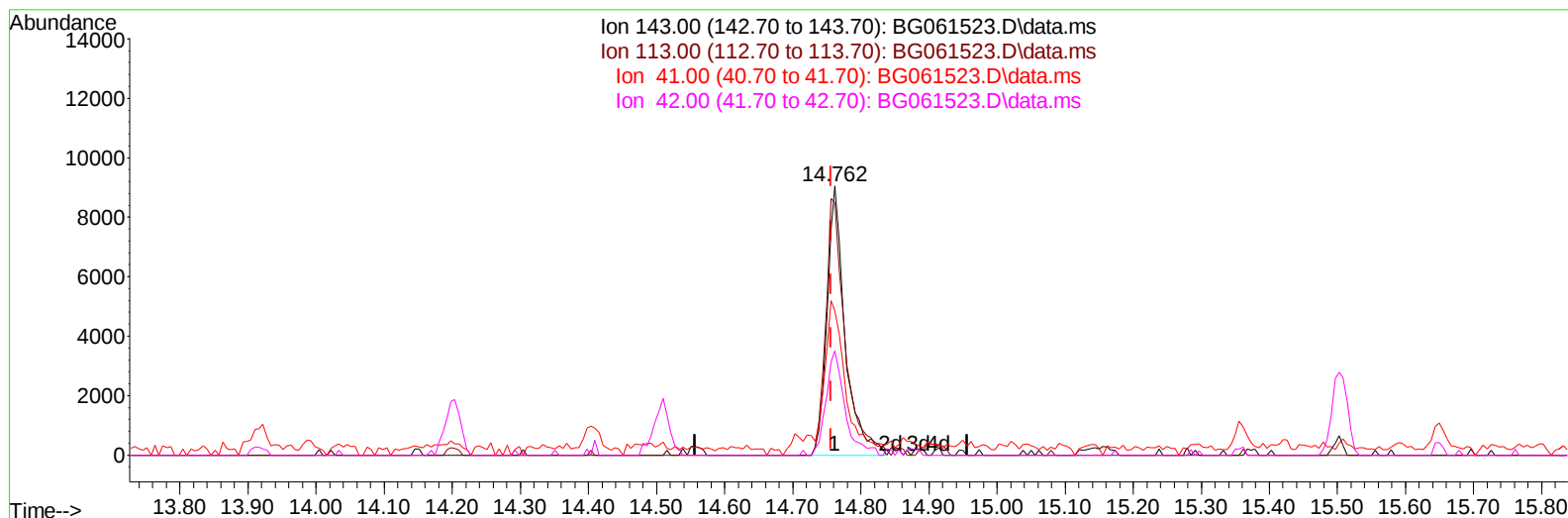
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
Data File : BG061523.D  
Acq On : 6 Jun 2024 23:54  
Operator : MA/JU  
Sample : P2634-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 12:15:45 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.762min (+ 0.006) 23.07 ng/ul m

response 16594

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 94.06# |
| 41.00  | 77.10  | 53.69# |
| 42.00  | 49.50  | 38.89# |

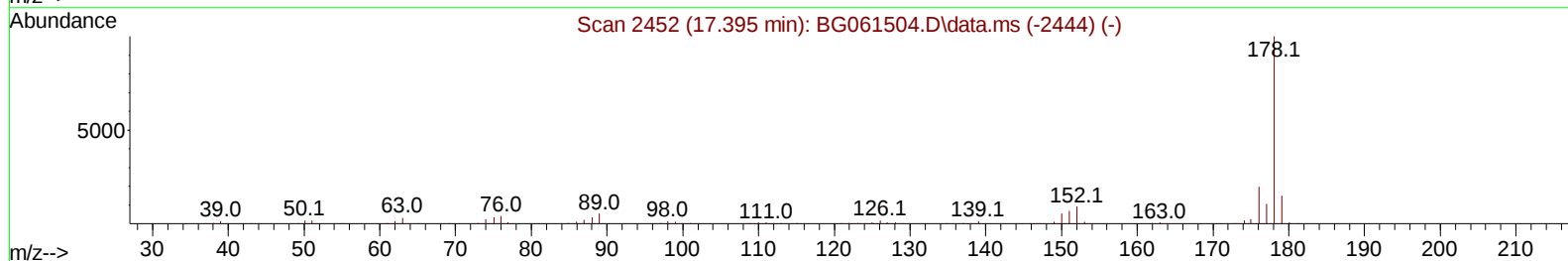
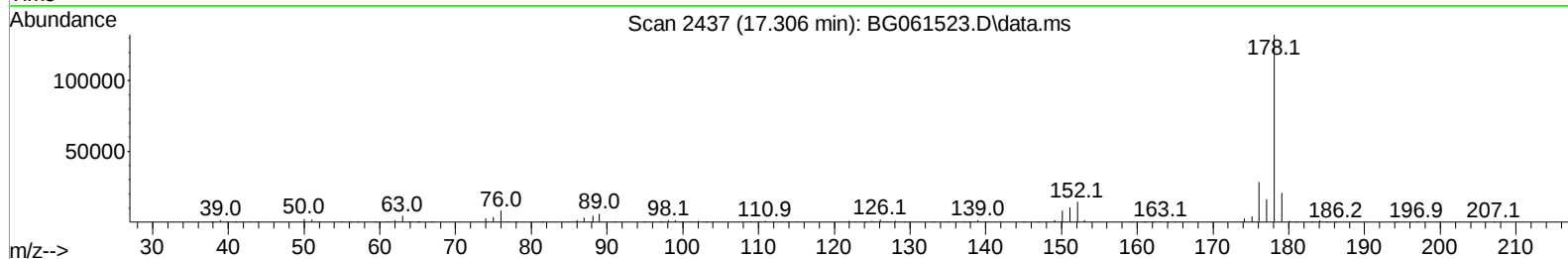
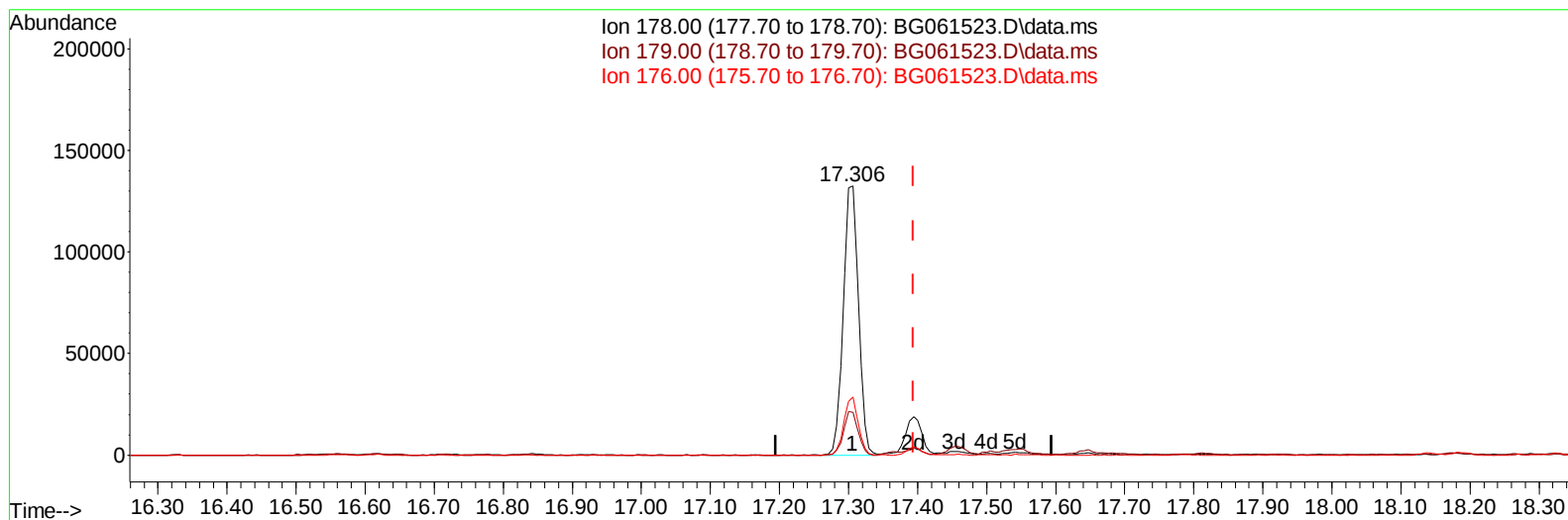
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
 Data File : BG061523.D  
 Acq On : 6 Jun 2024 23:54  
 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
 Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

**(74) Anthracene**

**17.306min (-0.088) 23.79 ng/u1**

**response 202276**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 14.70  | 15.84  |
| 176.00 | 18.60  | 21.53  |
| 0.00   | 0.00   | 0.00   |

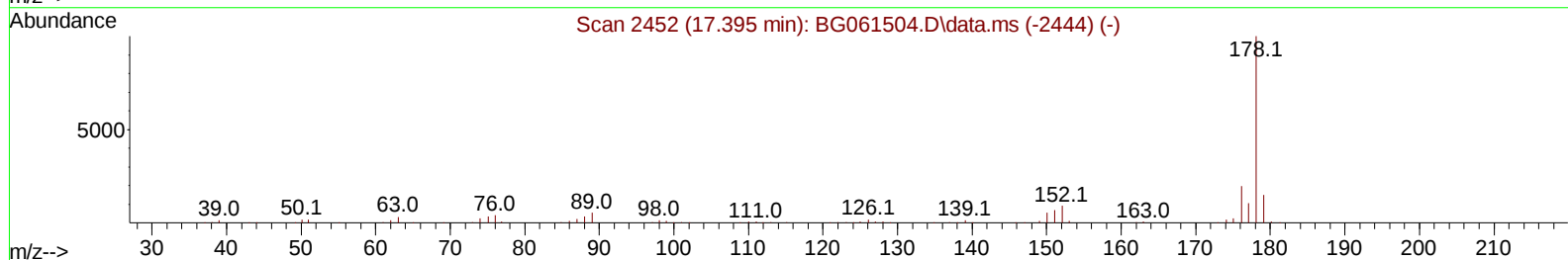
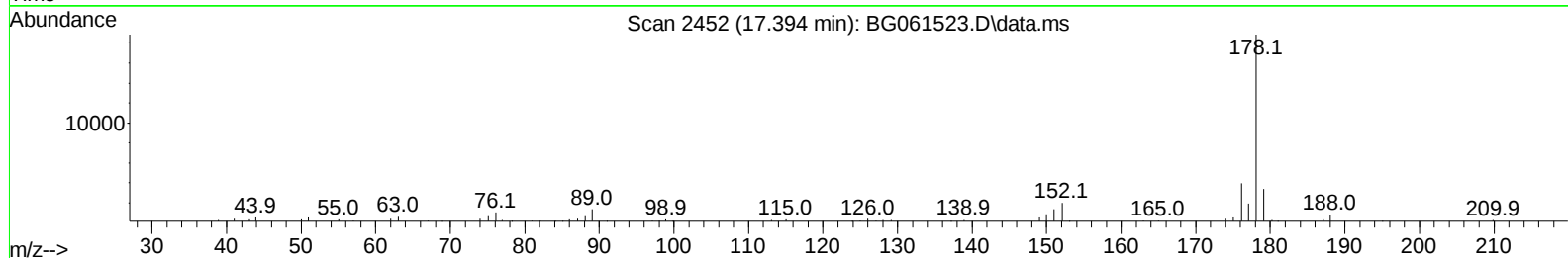
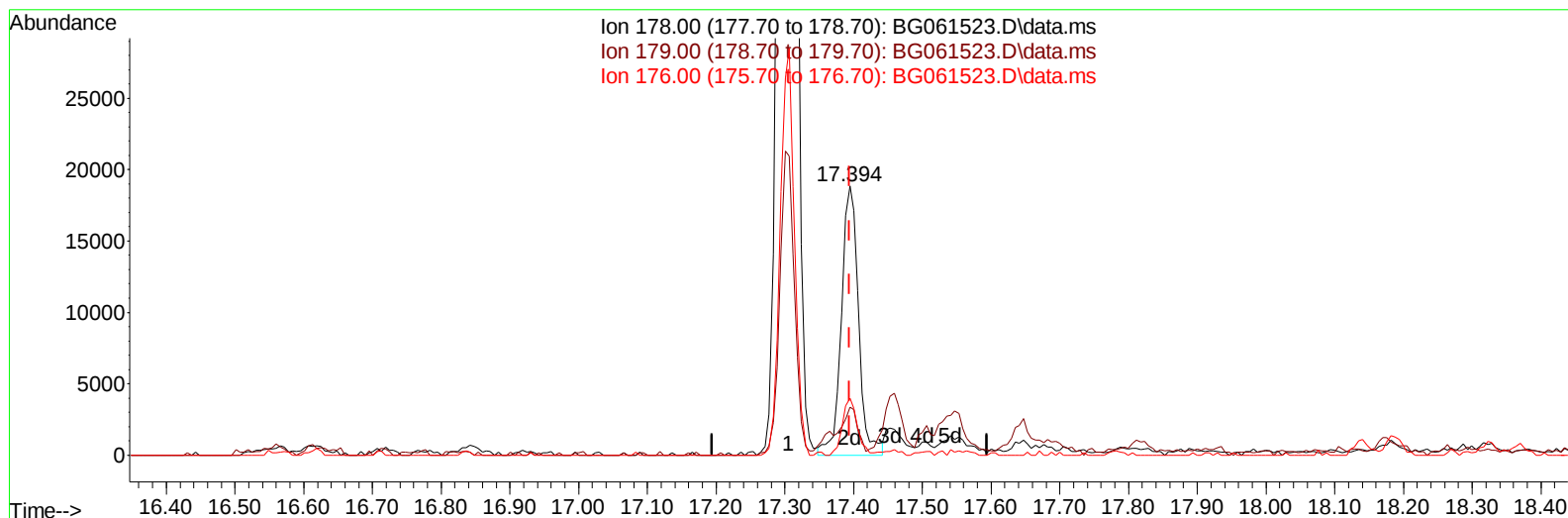
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
 Data File : BG061523.D  
 Acq On : 6 Jun 2024 23:54  
 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
 Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

(74) Anthracene

17.394min (-0.000) 3.83 ng/ul m

response 32558

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 14.70  | 17.87# |
| 176.00 | 18.60  | 21.15  |
| 0.00   | 0.00   | 0.00   |

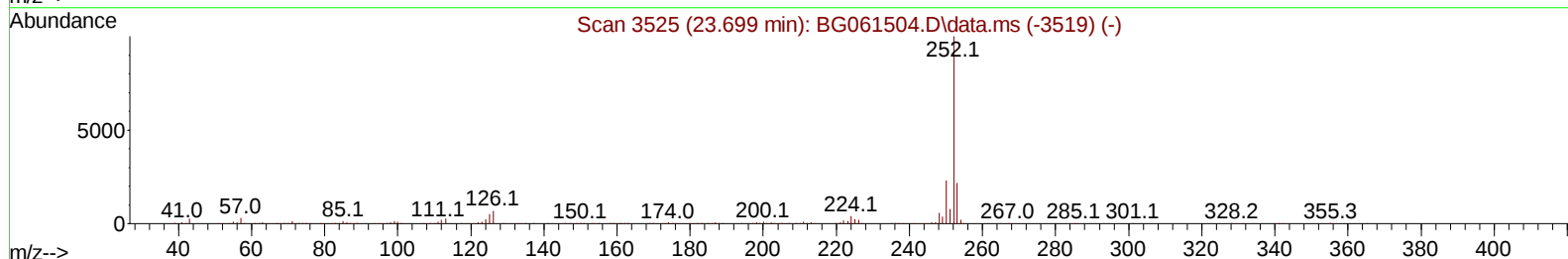
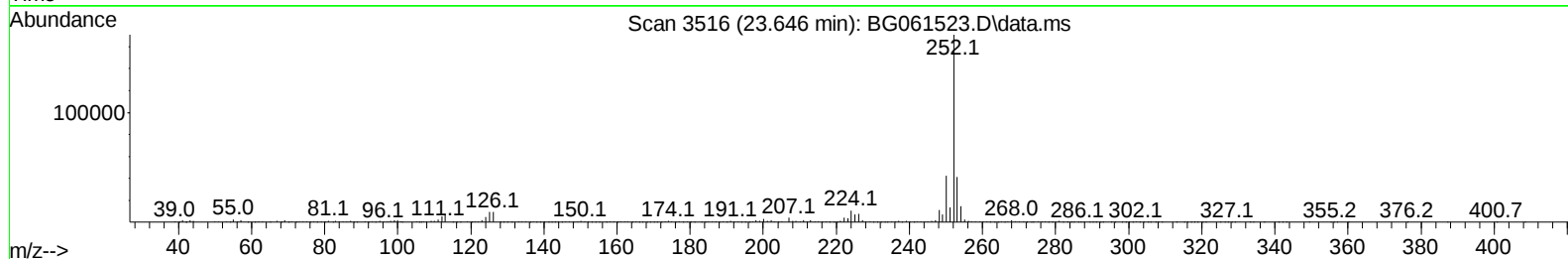
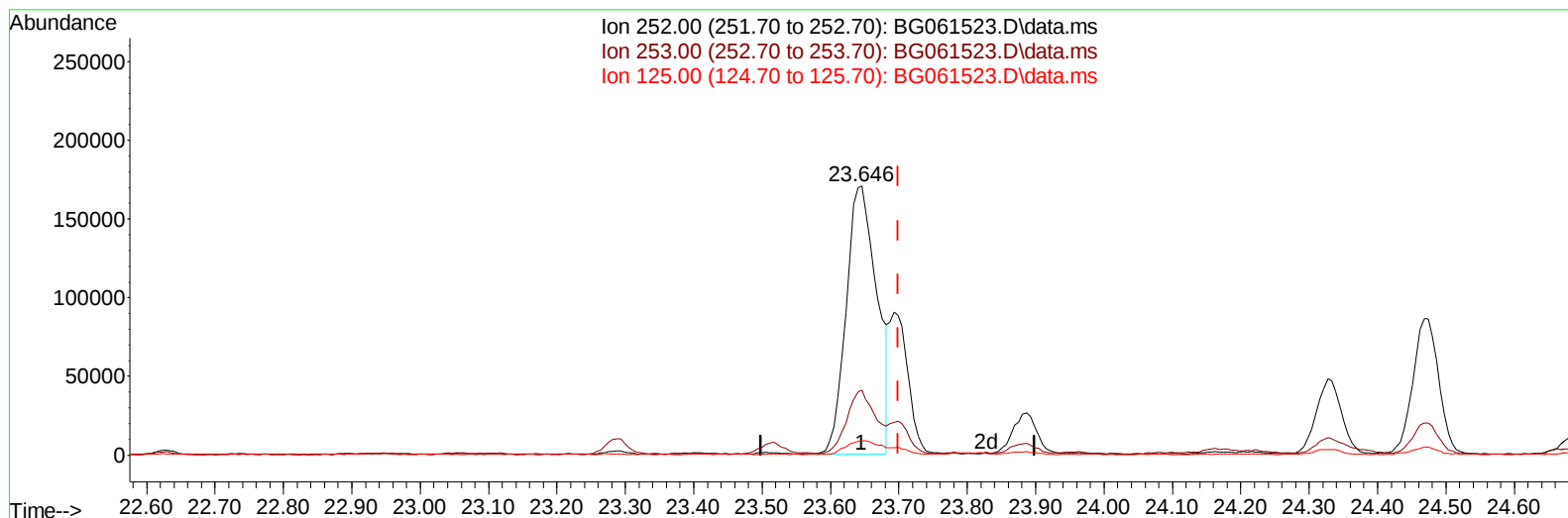
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
Data File : BG061523.D  
Acq On : 6 Jun 2024 23:54  
Operator : MA/JU  
Sample : P2634-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
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QLast Update : Thu Jun 06 12:15:45 2024  
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Reviewed By :Jagrut Upadhyay 06/07/2024  
Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

(91) Benzo(k)fluoranthene

23.646min (-0.053) 41.94 ng/u1

response 532073

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 24.18# |
| 125.00 | 5.40   | 5.39   |
| 0.00   | 0.00   | 0.00   |

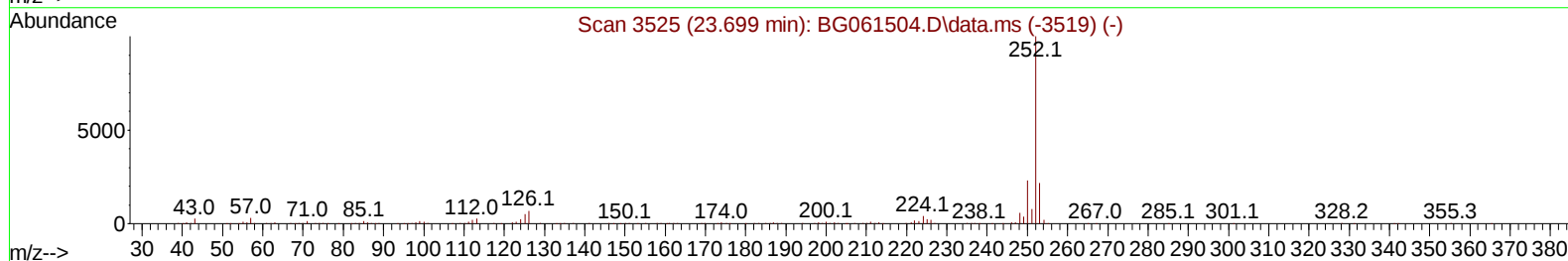
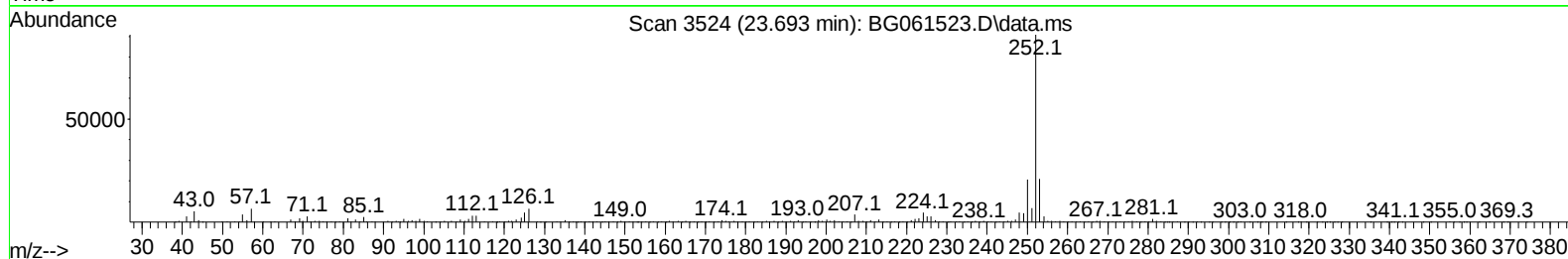
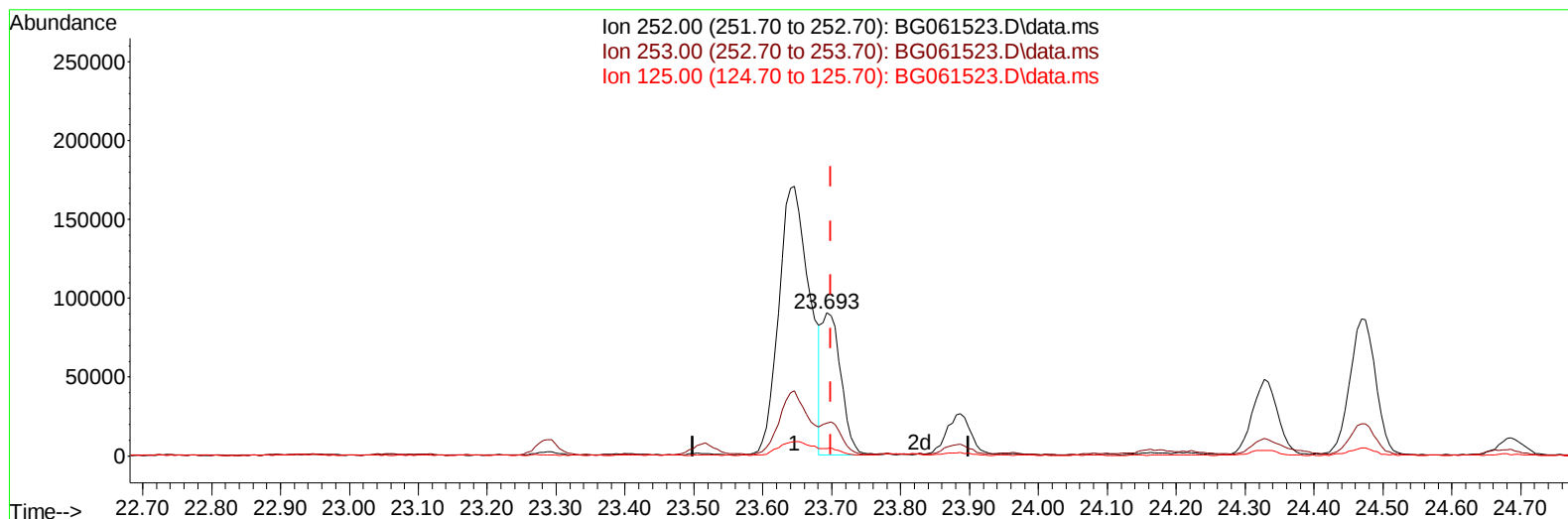
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
Data File : BG061523.D  
Acq On : 6 Jun 2024 23:54  
Operator : MA/JU  
Sample : P2634-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 12:15:45 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

(91) Benzo(k)fluoranthene

23.693min (-0.006) 13.58 ng/ul m

response 172303

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 23.10  |
| 125.00 | 5.40   | 5.13   |
| 0.00   | 0.00   | 0.00   |

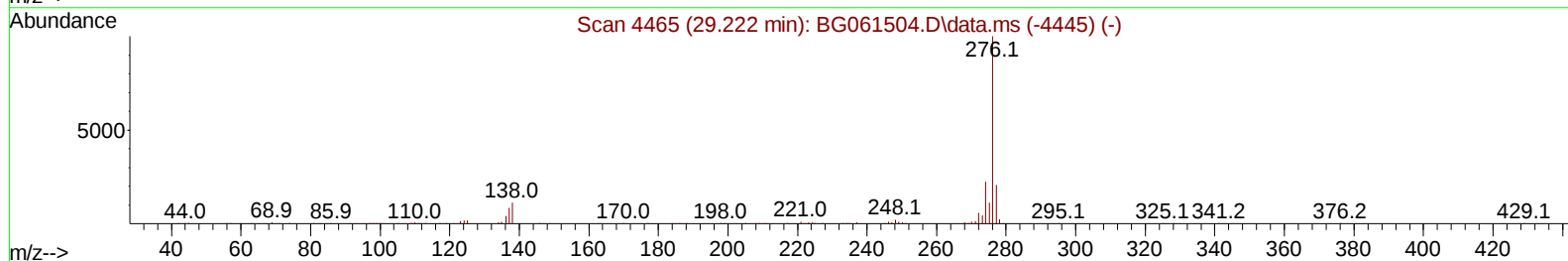
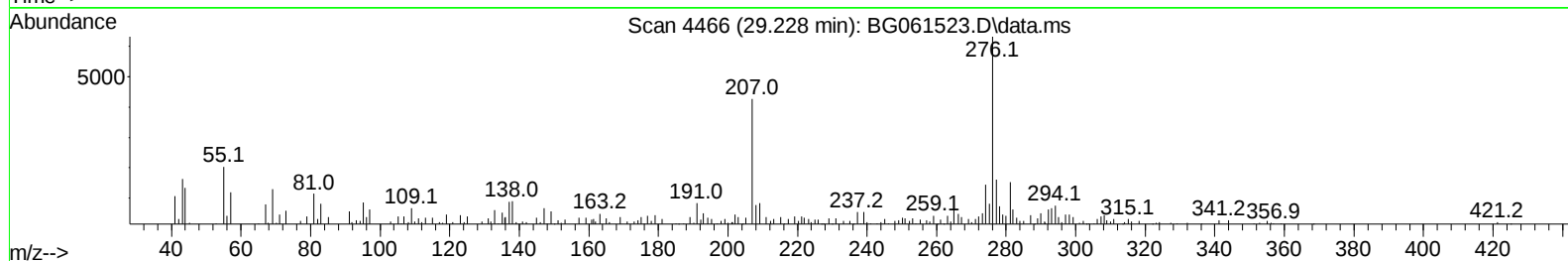
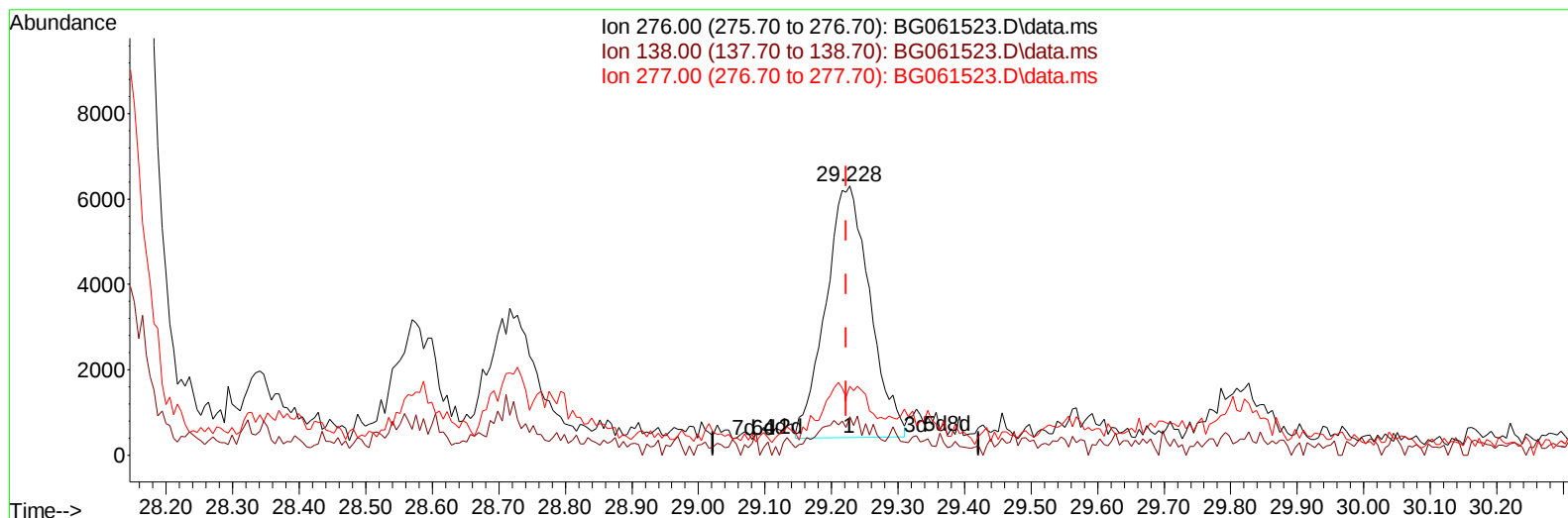
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
 Data File : BG061523.D  
 Acq On : 6 Jun 2024 23:54  
 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
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Reviewed By :Jagrut Upadhyay 06/07/2024  
 Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

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

**29.228min (+ 0.006) 2.38 ng/u1**

**response 27201**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 14.32# |
| 277.00 | 22.70  | 25.69  |
| 0.00   | 0.00   | 0.00   |

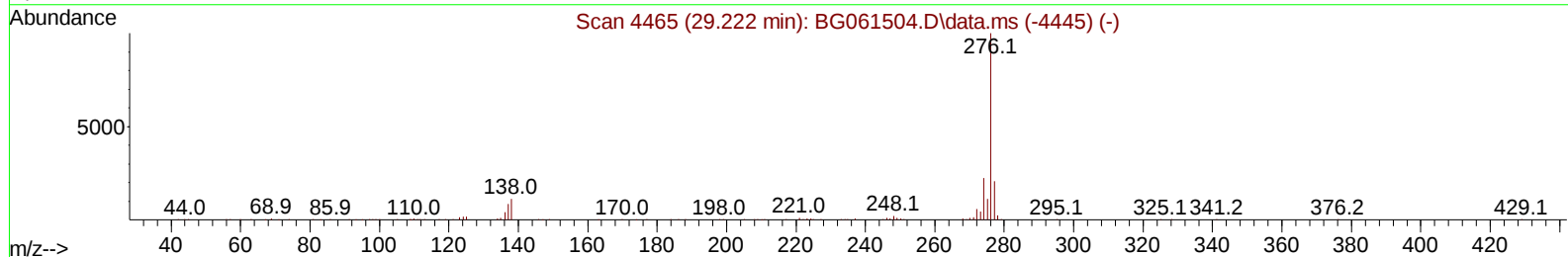
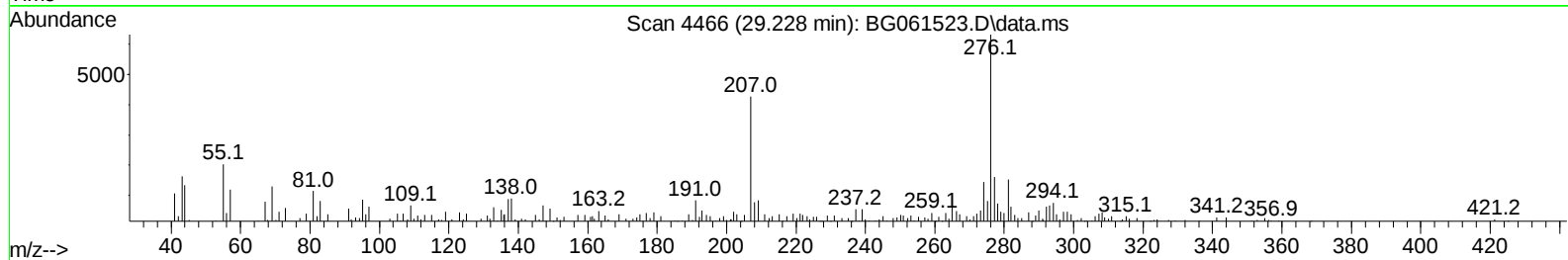
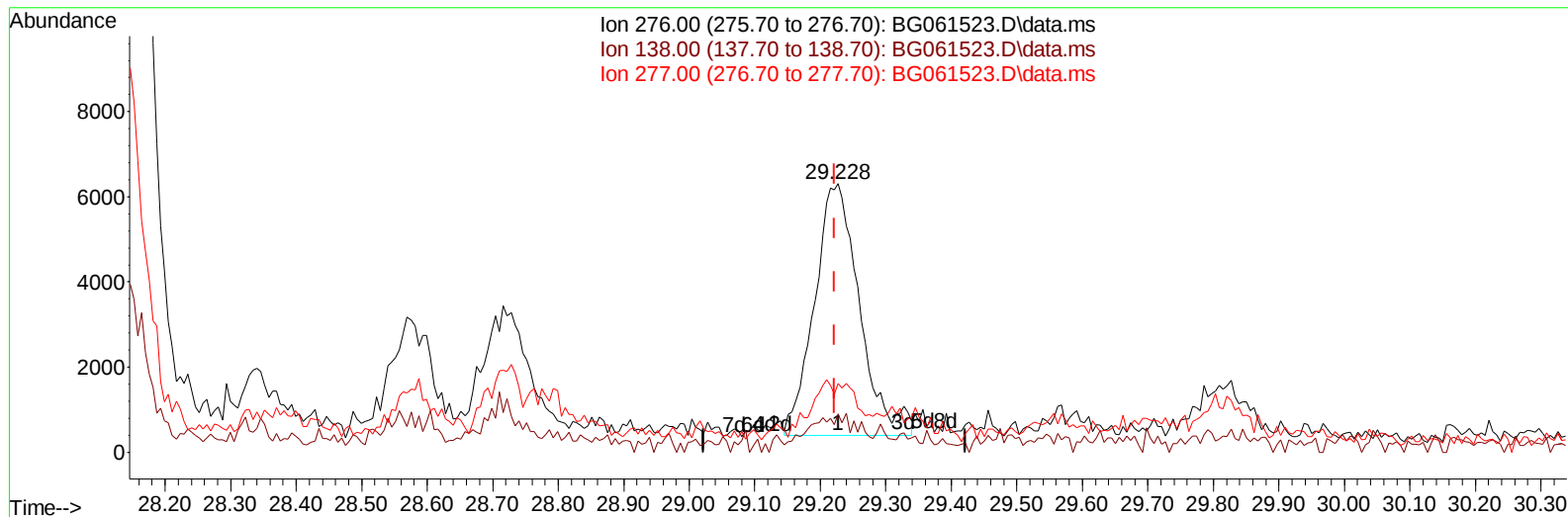
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
 Data File : BG061523.D  
 Acq On : 6 Jun 2024 23:54  
 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:49:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2024  
 Supervised By :mohammad ahmed 06/08/2024



TIC: BG061523.D\data.ms

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

**29.228min (+ 0.006) 2.48 ng/ul m**

**response 28331**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 10.90  | 14.32# |
| 277.00 | 22.70  | 25.69  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060624\  
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 Operator : MA/JU  
 Sample : P2634-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBX8

Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:52:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.882  | 152 |     | 30388    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.667 | 136 |     | 109346   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.509 | 164 |     | 75014    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.259 | 188 |     | 169431   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.519 | 240 |     | 184602   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.615 | 264 |     | 209889   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96  |     | 2523     | 4.646  | ng/uL  | 0.02     |
| 4) Pyridine-d5                | 3.781  | 84  |     | 20951    | 10.845 | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.071  | 99  |     | 61147    | 24.503 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.212  | 67  |     | 37538    | 23.932 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.424  | 132 |     | 53177    | 28.793 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113 |     | 50010    | 23.502 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.034  | 128 |     | 26163    | 31.077 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.756  | 143 |     | 30165    | 30.615 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165 |     | 56406    | 29.365 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.808 | 131 |     | 31261    | 12.440 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166 |     | 173060   | 29.746 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.204 | 160 |     | 189384   | 31.311 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.762 | 143 |     | 16594m   | 23.070 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.502 | 176 |     | 152233   | 30.307 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.649 | 200 |     | 12584    | 12.280 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.359 | 188 |     | 246902   | 33.054 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.656 | 212 |     | 282618   | 29.817 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.404 | 264 |     | 243592   | 24.141 | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 30) Naphthalene               | 10.714 | 128 |     | 7031     | 1.218  | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.330 | 142 |     | 5362     | 1.281  | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.233 | 152 |     | 13393    | 1.997  | ng/ul# | 96       |
| 52) Acenaphthene              | 14.574 | 153 |     | 7504     | 1.706  | ng/ul  | 94       |
| 61) Fluorene                  | 15.561 | 166 |     | 7357     | 1.352  | ng/ul# | 93       |
| 72) Phenanthrene              | 17.306 | 178 |     | 202276   | 24.597 | ng/ul  | 97       |
| 74) Anthracene                | 17.394 | 178 |     | 32558m   | 3.829  | ng/ul  |          |
| 77) Carbazole                 | 17.665 | 167 |     | 19204    | 2.777  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.327 | 202 |     | 630496   | 55.449 | ng/ul  | 98       |
| 82) Pyrene                    | 19.686 | 202 |     | 520227   | 44.076 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.573 | 149 |     | 14885    | 3.671  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.501 | 228 |     | 332947   | 26.139 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.407 | 149 |     | 57187    | 9.528  | ng/ul  | 95       |
| 87) Chrysene                  | 21.566 | 228 |     | 385208   | 32.843 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.646 | 252 |     | 532073   | 42.577 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.693 | 252 |     | 172303m  | 13.582 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.468 | 252 |     | 226361   | 19.076 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.129 | 276 |     | 184376   | 12.848 | ng/ul  | 100      |
| 95) Dibenzo(a,h)anthracene    | 28.164 | 278 |     | 58207    | 4.919  | ng/ul# | 91       |
| 96) Benzo(g,h,i)perylene      | 29.228 | 276 |     | 28331m   | 2.482  | ng/ul  |          |
| -----                         |        |     |     |          |        |        |          |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

BHBX8

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/07/2024  
Supervised By :mohammad ahmed 06/08/2024

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Manual IntegrationsAPPROVED

Quant Time: Jun 07 00:52:50 2024  
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