



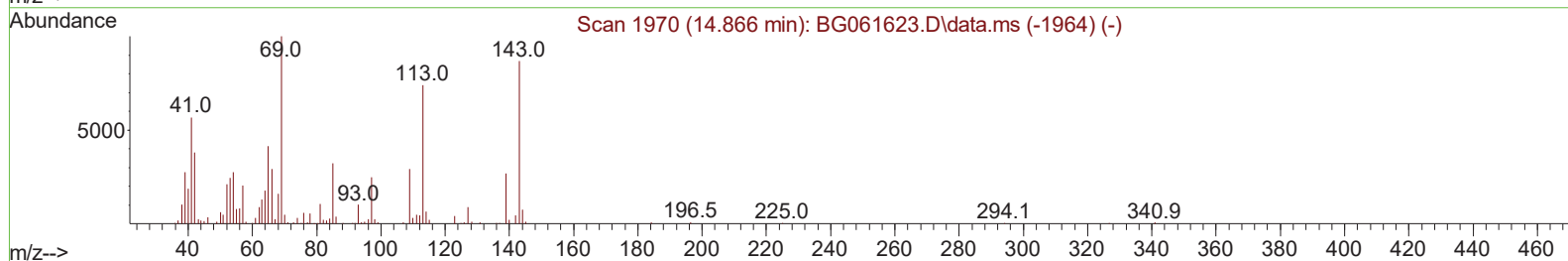
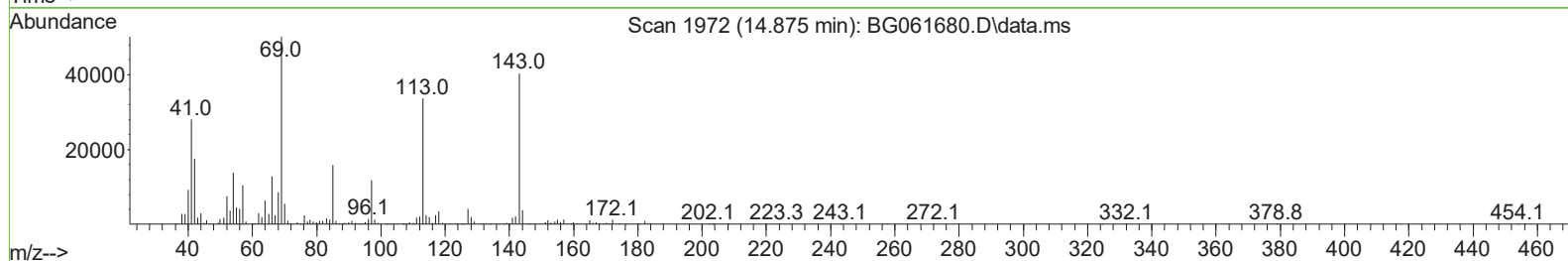
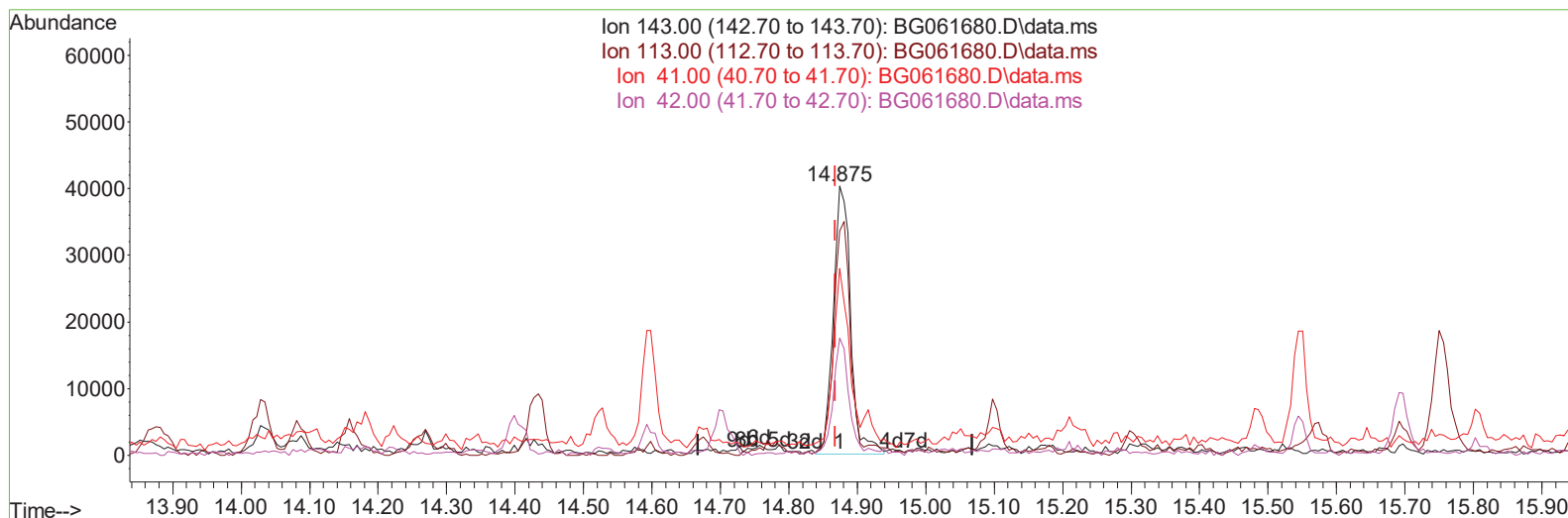
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 23:32:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration



TIC: BG061680.D\data.ms

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

14.875min (+ 0.006) 20.71 ng/ul m

response 70457

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 92.40  | 83.42  |
| 41.00  | 58.60  | 69.43  |
| 42.00  | 35.10  | 43.62# |

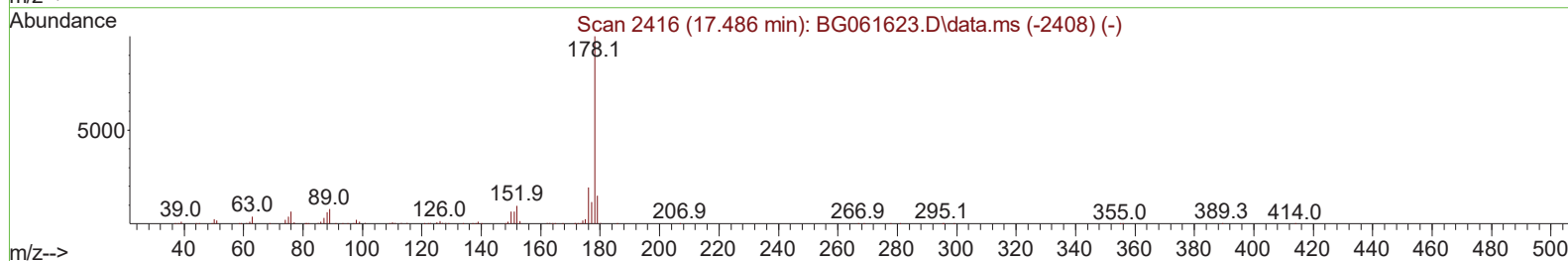
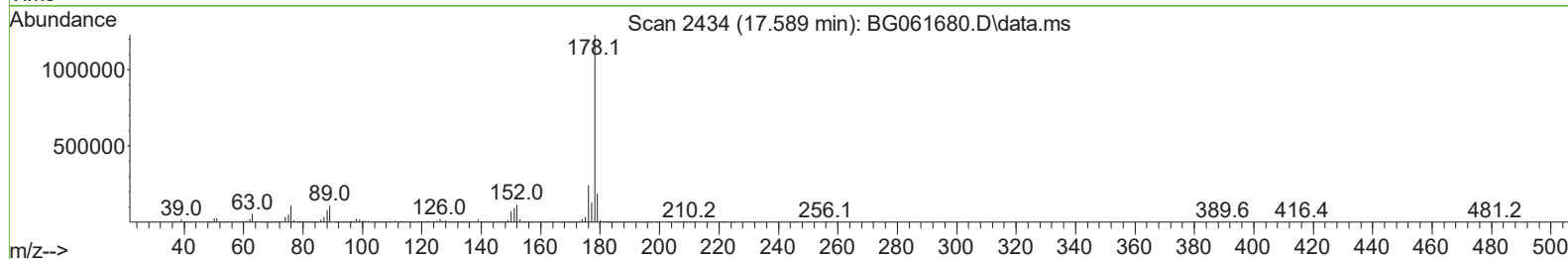
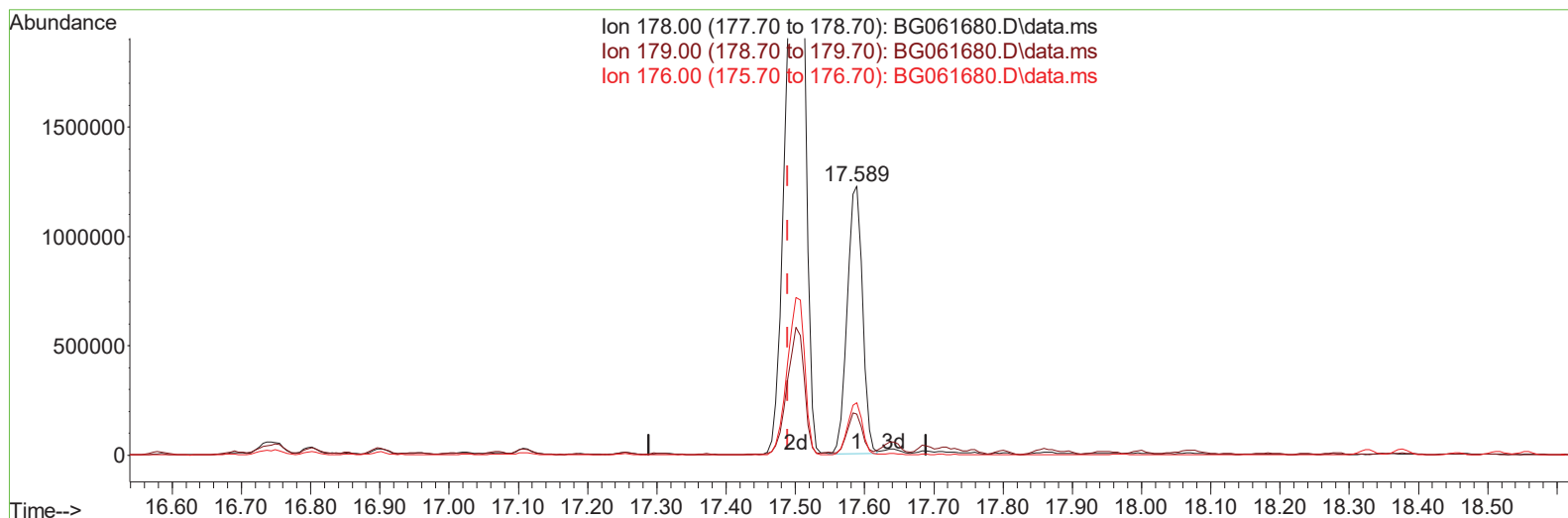
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:36:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(72) Phenanthrene

17.589min (+ 0.100) 68.47 ng/u1

response 1882225

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.00  | 15.22  |
| 176.00 | 20.20  | 19.53  |
| 0.00   | 0.00   | 0.00   |

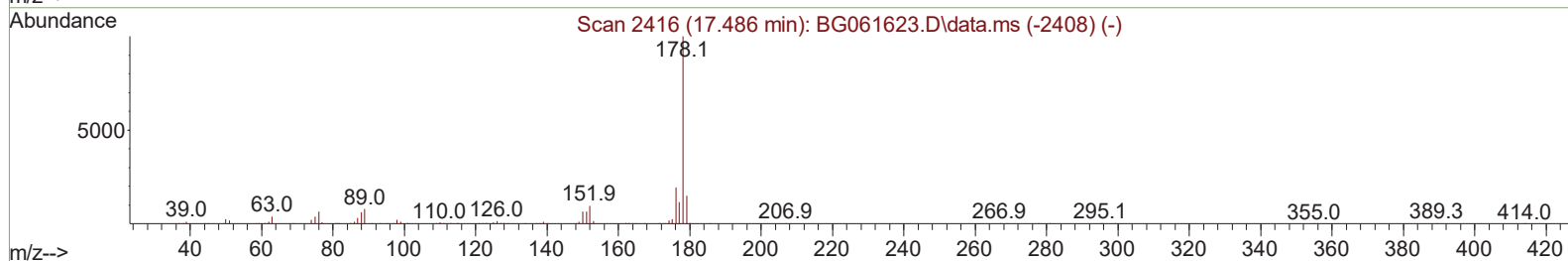
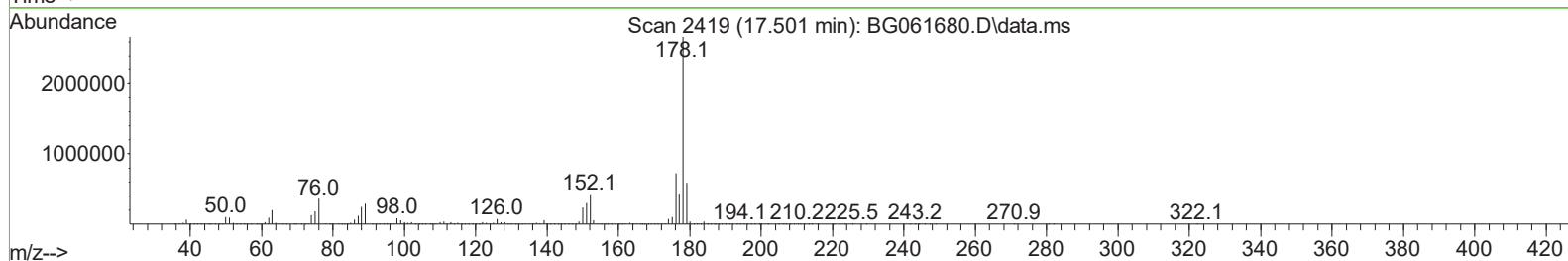
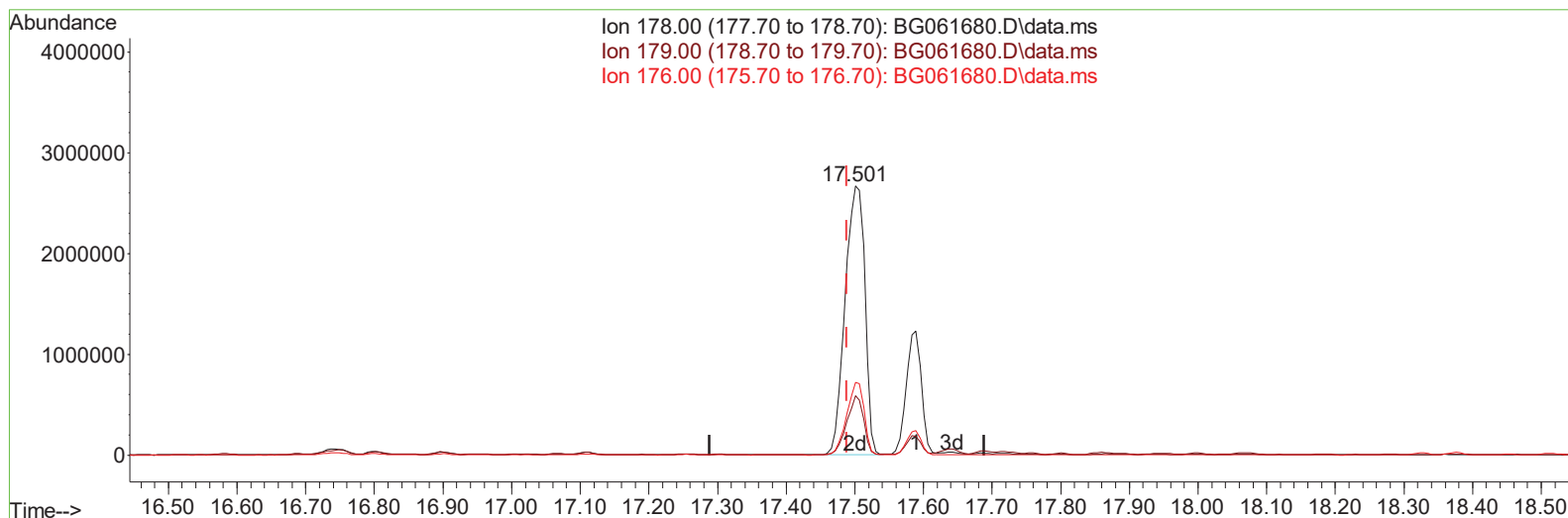
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:36:37 2024  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(72) Phenanthrene

17.501min (+ 0.012) 194.37 ng/u1 m

response 5342926

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.00  | 21.96# |
| 176.00 | 20.20  | 27.07# |
| 0.00   | 0.00   | 0.00   |

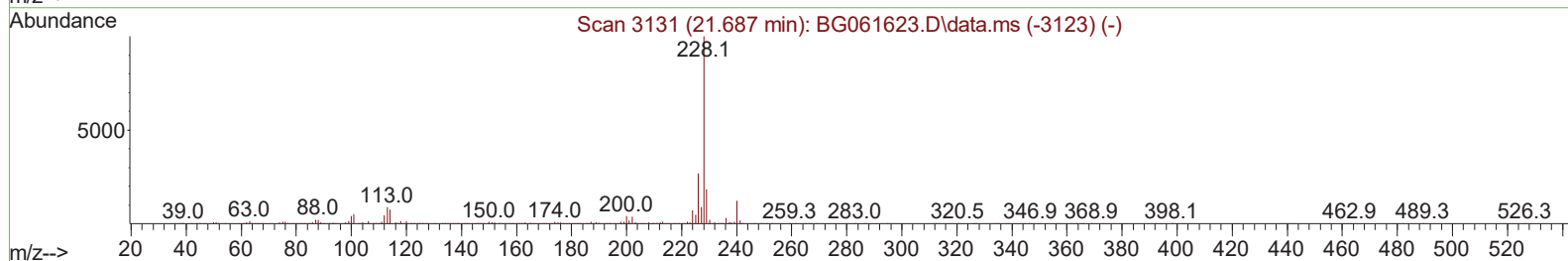
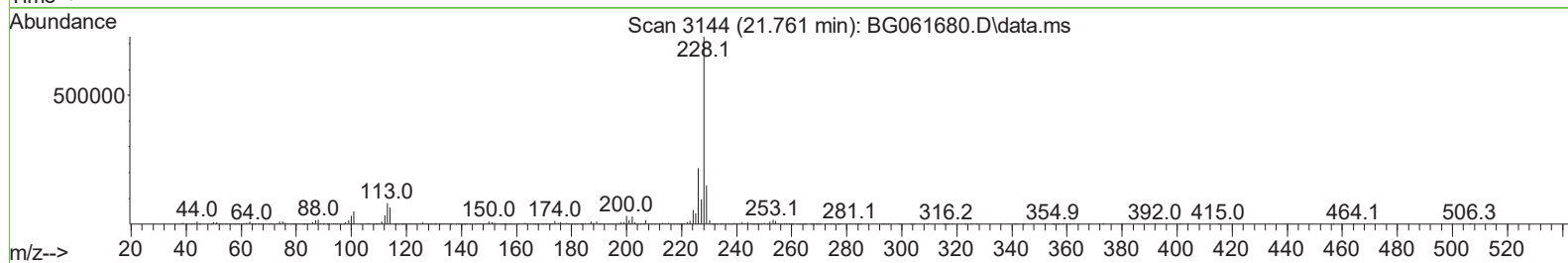
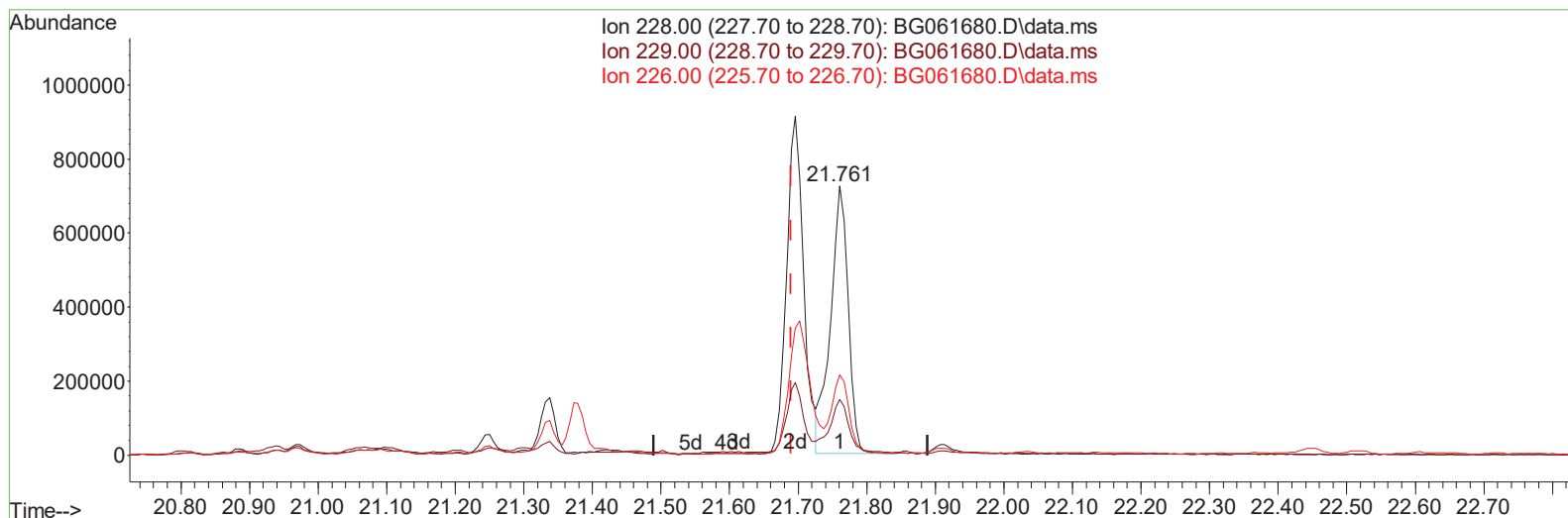
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:37:15 2024  
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 QLast Update : Fri Jun 21 05:03:55 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
 Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

**(85) Benzo(a)anthracene**

**21.761min (+ 0.071) 42.54 ng/u1**

**response 1286378**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.80  | 20.57  |
| 226.00 | 26.80  | 29.87  |
| 0.00   | 0.00   | 0.00   |

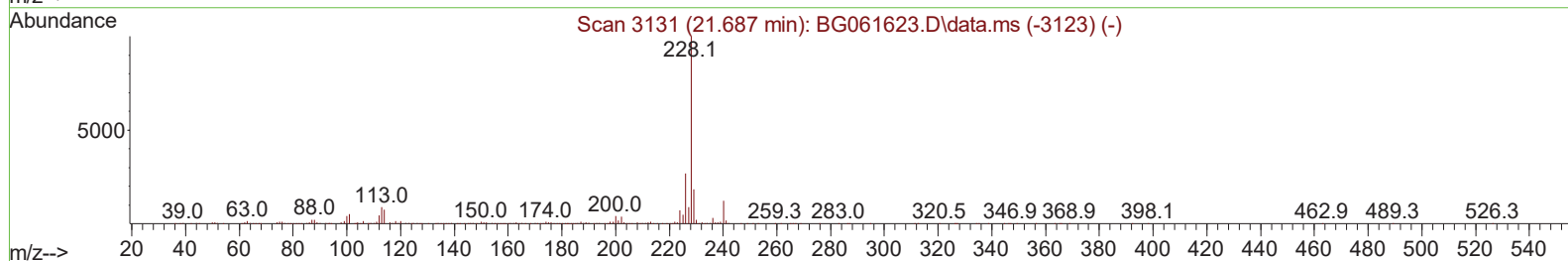
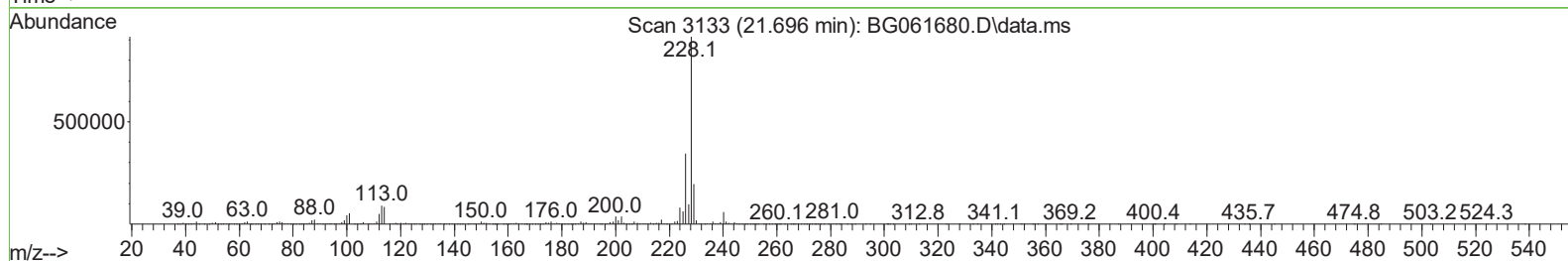
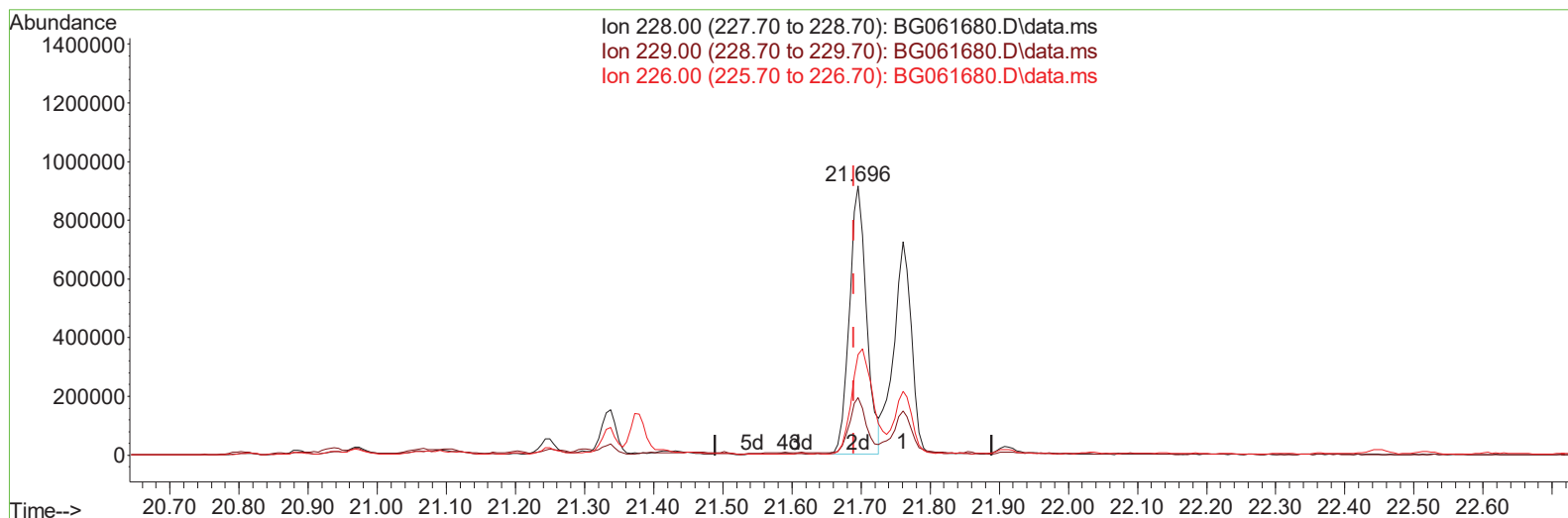
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
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Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:37:15 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
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TIC: BG061680.D\data.ms

(85) Benzo(a)anthracene

21.696min (+ 0.006) 52.18 ng/ul m

response 1577978

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.80  | 21.42  |
| 226.00 | 26.80  | 37.48# |
| 0.00   | 0.00   | 0.00   |

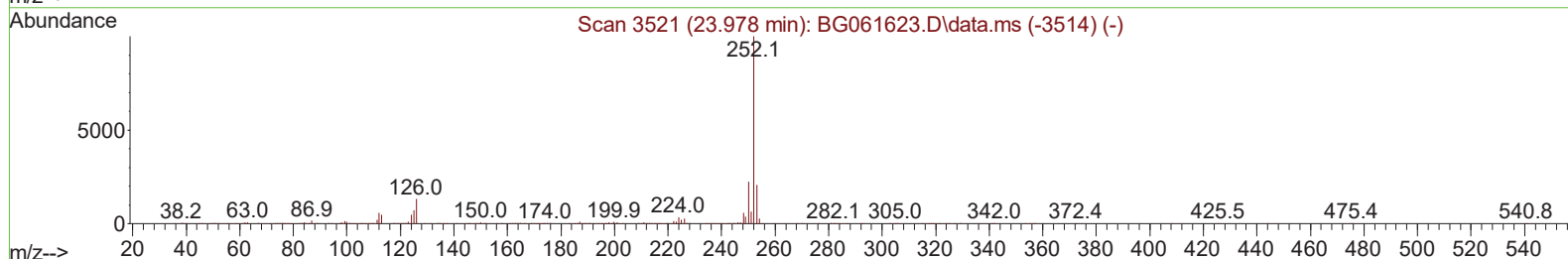
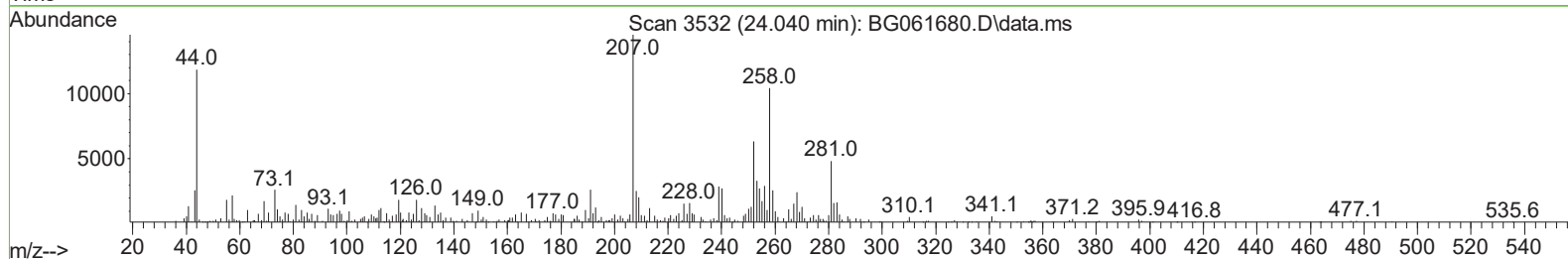
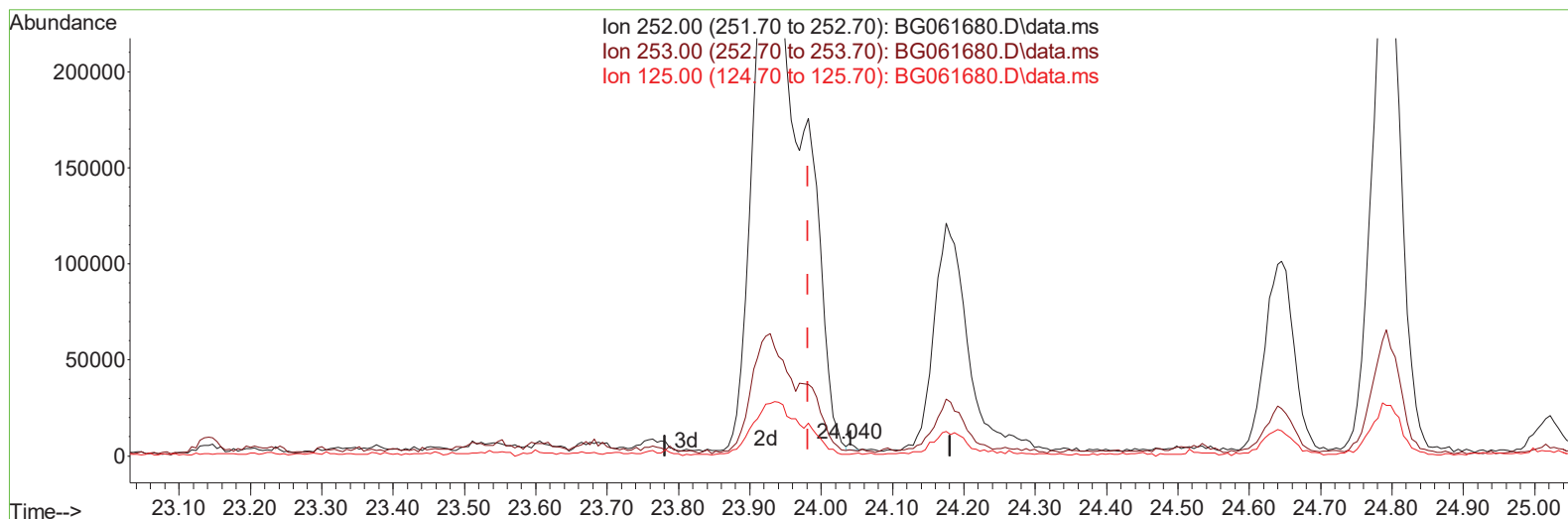
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:37:15 2024  
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Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(91) Benzo(k)fluoranthene

24.040min (+ 0.059) 0.06 ng/u1

response 1893

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20  | 52.30# |
| 125.00 | 7.70   | 12.06# |
| 0.00   | 0.00   | 0.00   |

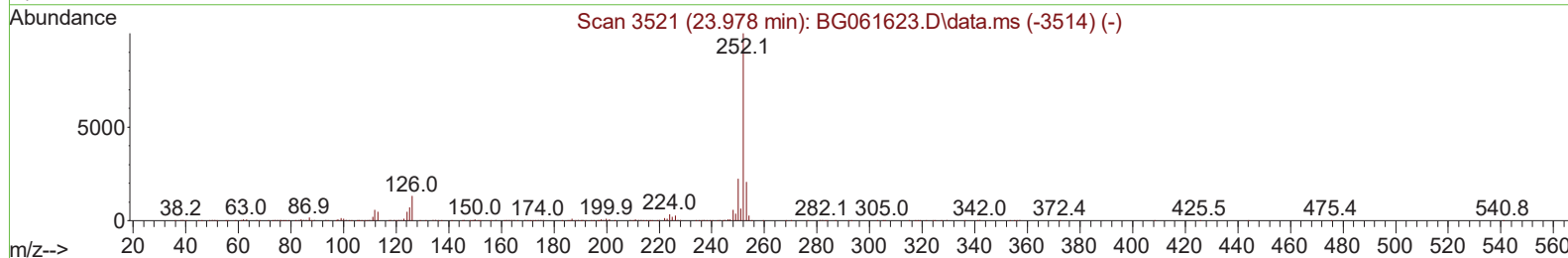
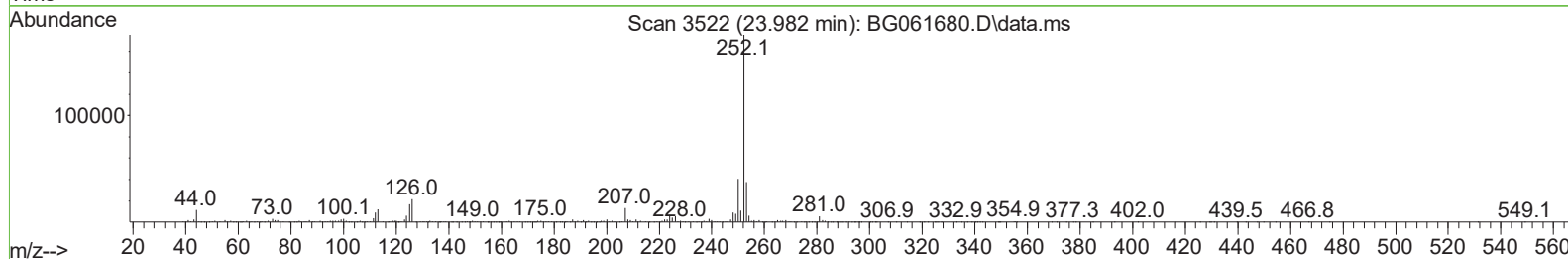
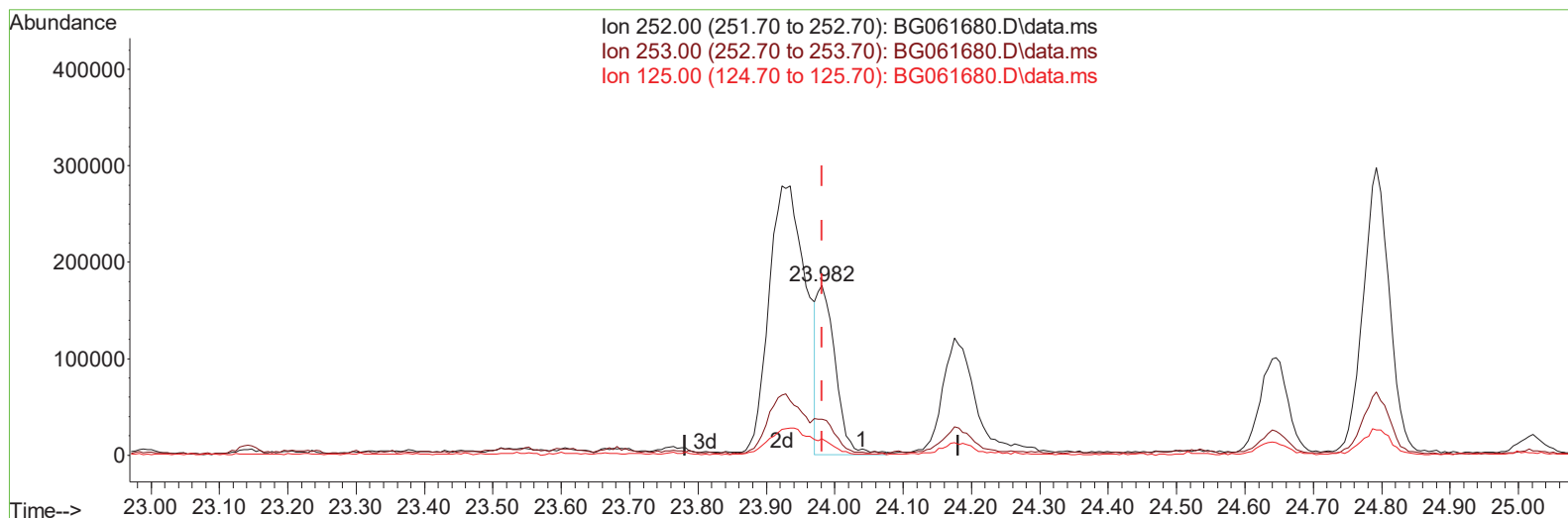
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:37:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(91) Benzo(k)fluoranthene

23.982min (+ 0.000) 9.91 ng/u1 m

response 326996

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20  | 21.28  |
| 125.00 | 7.70   | 9.69#  |
| 0.00   | 0.00   | 0.00   |

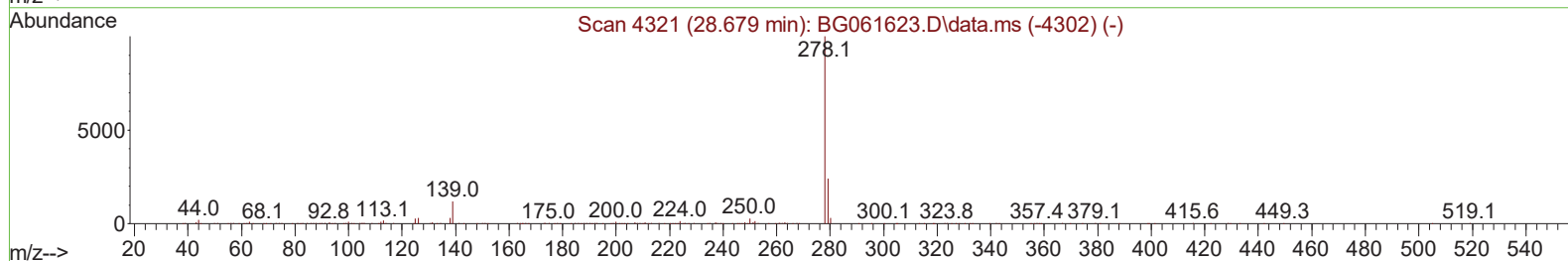
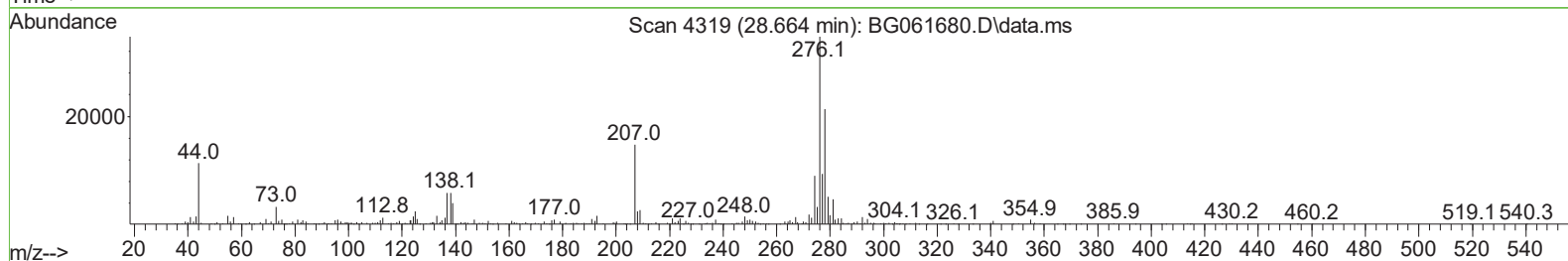
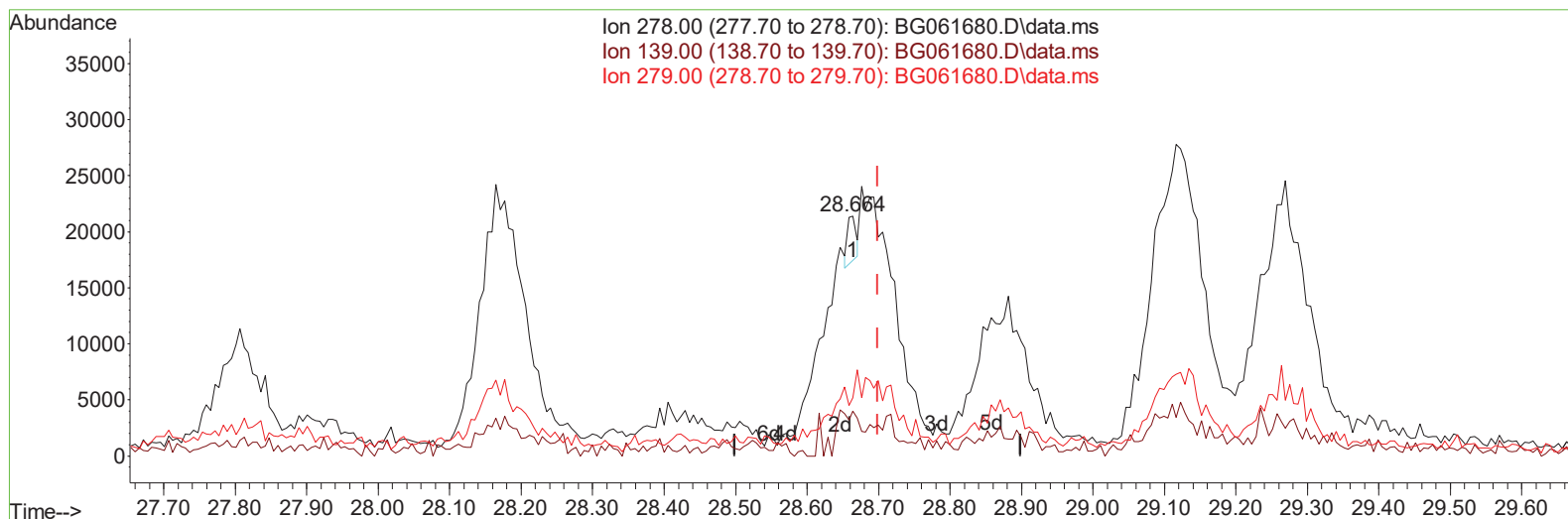
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:38:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(95) Dibenzo(a,h)anthracene

28.664min (-0.035) 0.11 ng/u1

response 3520

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 18.76# |
| 279.00 | 23.30  | 24.30  |
| 0.00   | 0.00   | 0.00   |

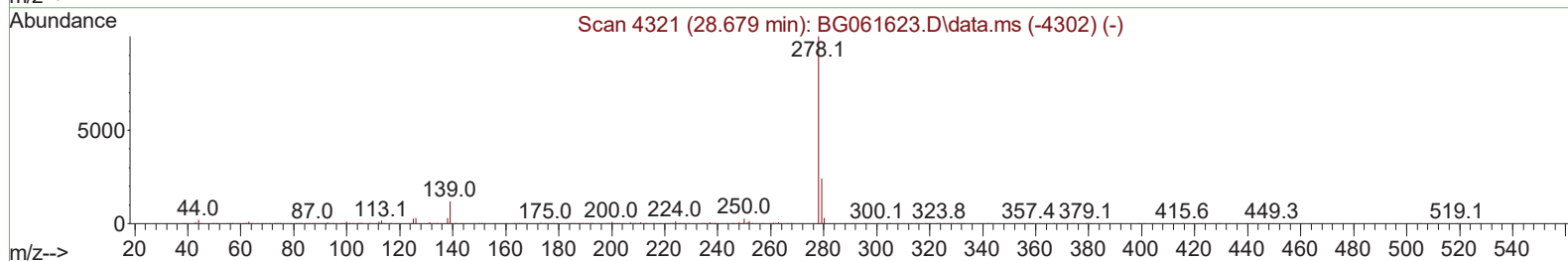
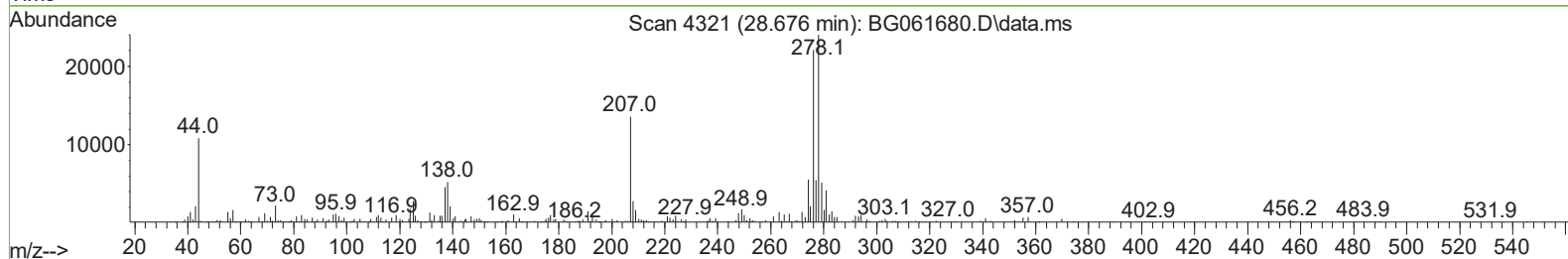
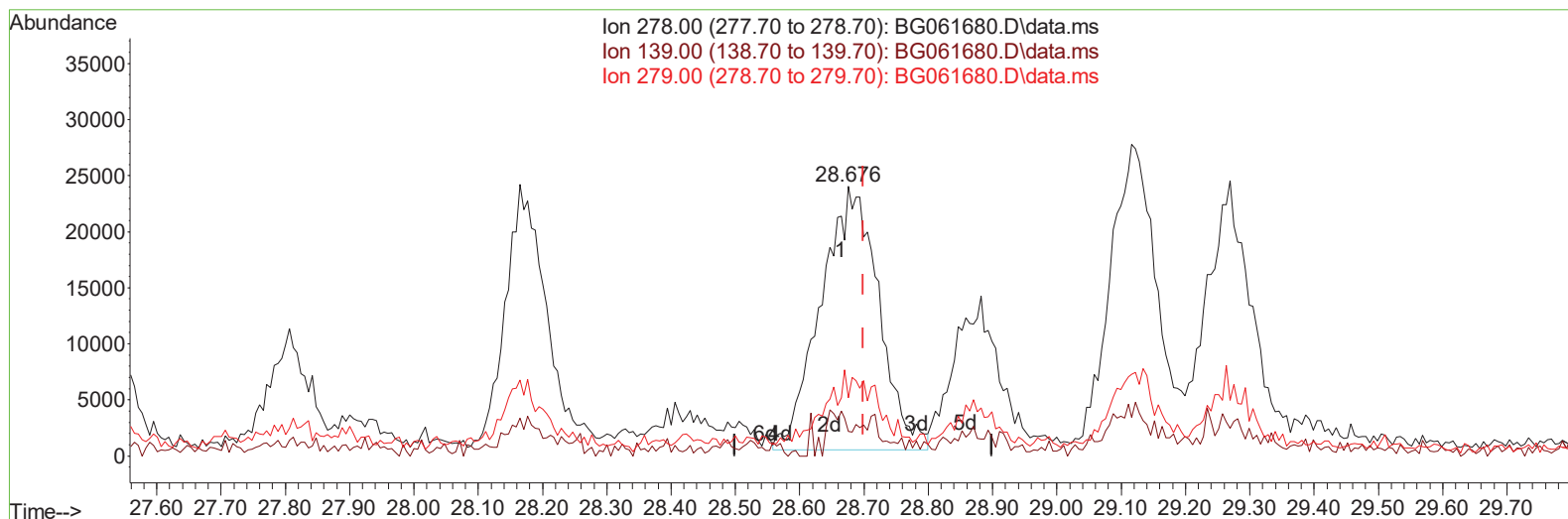
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:38:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
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Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

(95) Dibenzo(a,h)anthracene

28.676min (-0.023) 4.61 ng/ul m

response 147433

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40  | 9.00#  |
| 279.00 | 23.30  | 21.53  |
| 0.00   | 0.00   | 0.00   |

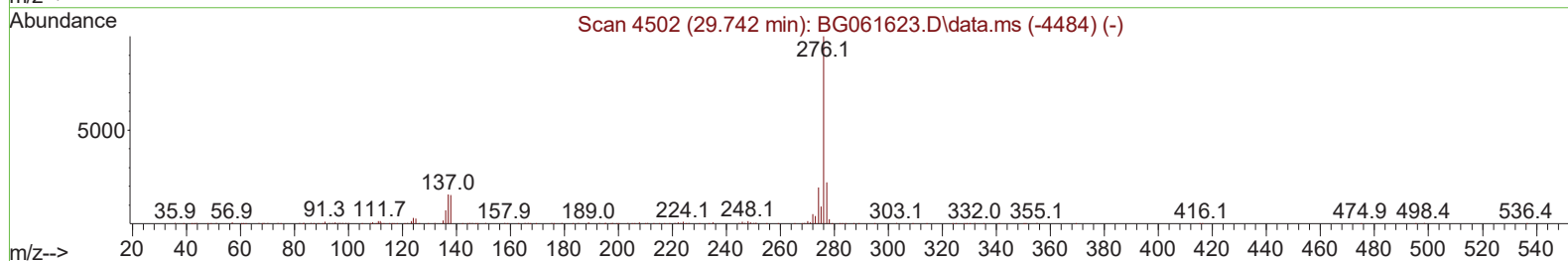
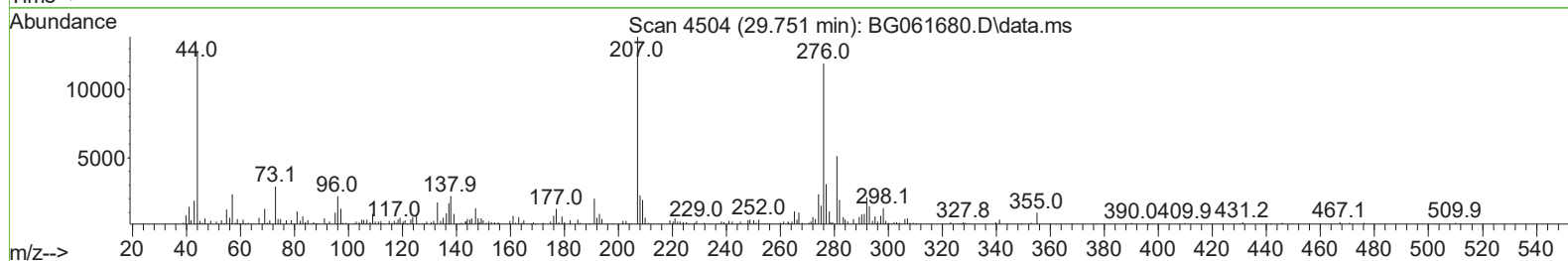
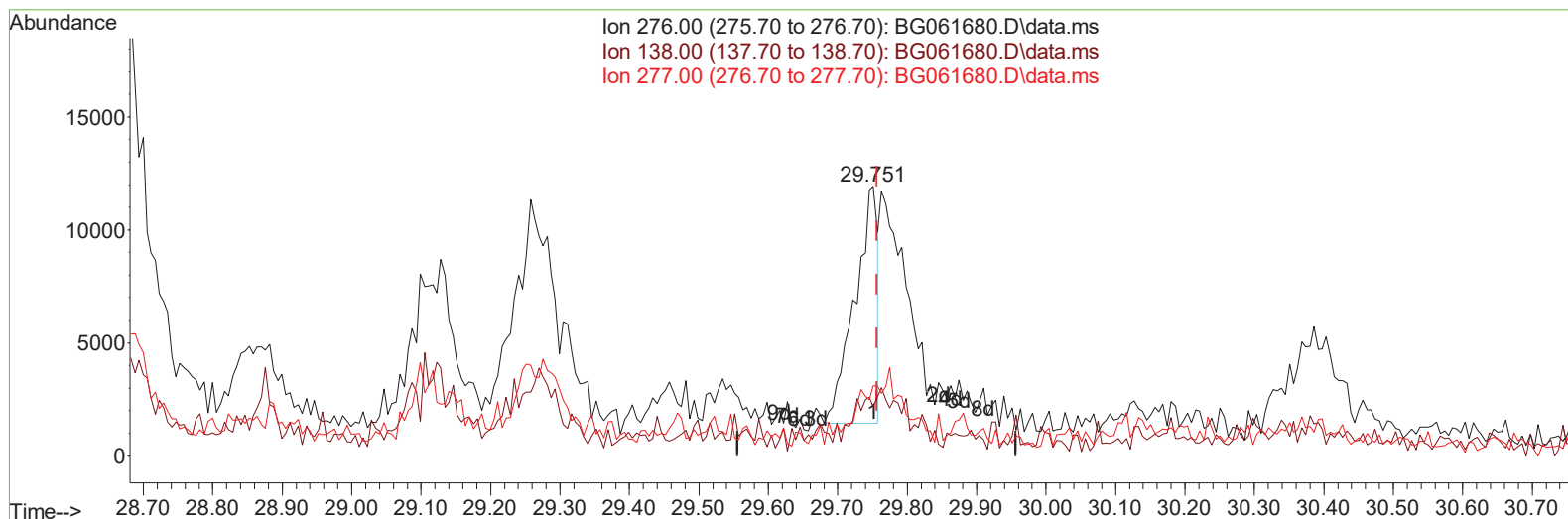
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
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Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:38:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

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

29.751min (-0.006) 0.77 ng/u1

response 23918

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 18.38# |
| 277.00 | 23.20  | 25.96  |
| 0.00   | 0.00   | 0.00   |

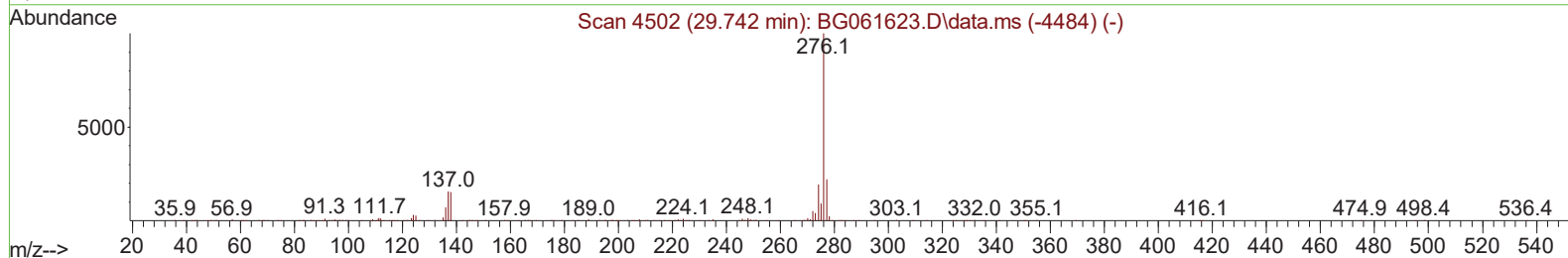
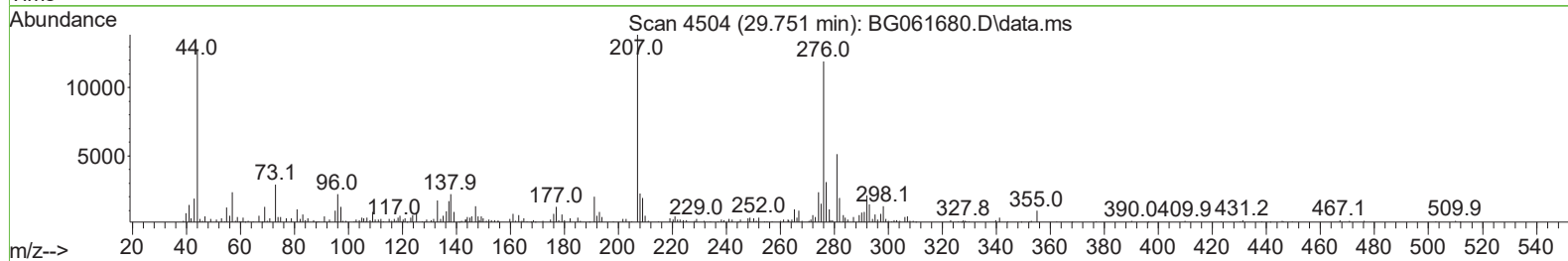
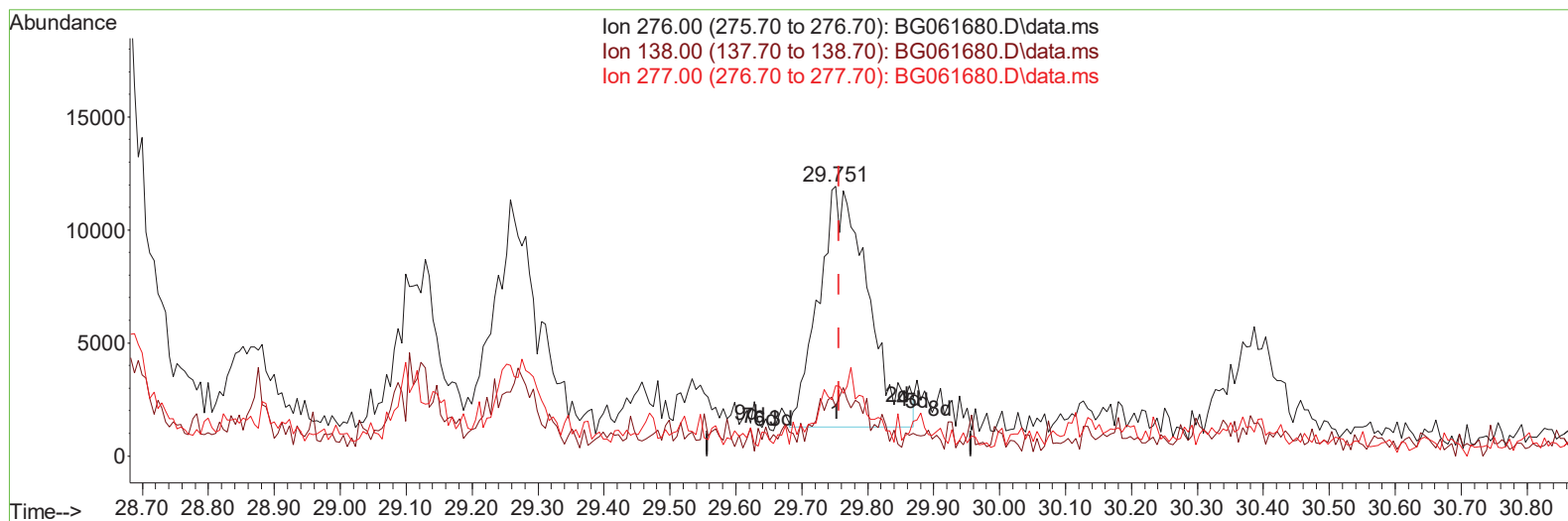
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
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Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:38:57 2024  
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Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061680.D\data.ms

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

29.751min (-0.006) 1.81 ng/u1 m

response 56015

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30  | 18.38# |
| 277.00 | 23.20  | 25.96  |
| 0.00   | 0.00   | 0.00   |

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 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COSJ2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:39:37 2024  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.077  | 152  | 65801    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.891 | 136  | 349571   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.704 | 164  | 257405   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 522502   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.714 | 240  | 430818   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.945 | 264  | 533785   | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.476  | 96   | 7423     | 4.075   | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000   | ng/ul  |          |
| 7) Phenol-d5                  | 7.219  | 99   | 159459   | 22.323  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.401  | 67   | 111225   | 24.978  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.601  | 132  | 110857   | 22.615  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.770  | 113  | 93075    | 16.855  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.234  | 128  | 67069    | 28.257  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.963  | 143  | 73591    | 30.612  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.497 | 165  | 131497   | 23.101  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.020 | 131  | 147461   | 17.110  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.111 | 166  | 498854   | 25.184  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.405 | 160  | 557127   | 25.664  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.875 | 143  | 70457m   | 20.711  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.697 | 176  | 435541   | 25.116  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 49117    | 21.984  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.548 | 188  | 692478   | 29.034  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.828 | 212  | 661016   | 27.468  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.716 | 264  | 524633   | 20.579  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.950 | 128  | 4804987  | 245.658 | ng/ul# | 92       |
| 36) 2-Methylnaphthalene       | 12.548 | 142  | 2978861  | 215.836 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.765 | 142  | 1875116  | 127.332 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.541 | 154  | 536580   | 28.777  | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.434 | 152  | 2146258  | 88.571  | ng/ul  | 95       |
| 52) Acenaphthene              | 14.769 | 153  | 197436   | 11.765  | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.104 | 168  | 174978   | 7.451   | ng/ul  | 90       |
| 61) Fluorene                  | 15.756 | 166  | 1435913  | 73.883  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.501 | 178  | 5342926m | 194.369 | ng/ul  |          |
| 74) Anthracene                | 17.589 | 178  | 1882661  | 66.975  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.499 | 202  | 2649892  | 94.904  | ng/ul  | 98       |
| 82) Pyrene                    | 19.863 | 202  | 3222593  | 108.544 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.696 | 228  | 1577978m | 52.180  | ng/ul  |          |
| 87) Chrysene                  | 21.761 | 228  | 1284918  | 44.904  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.923 | 252  | 1026884  | 32.003  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.982 | 252  | 326996m  | 9.909   | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.792 | 252  | 779199   | 25.224  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.629 | 276  | 356041   | 9.249   | ng/ul  | 92       |
| 95) Dibenzo(a,h)anthracene    | 28.676 | 278  | 147433m  | 4.606   | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.751 | 276  | 56015m   | 1.805   | ng/ul  |          |
| -----                         |        |      |          |         |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062424\  
Data File : BG061680.D  
Acq On : 24 Jun 2024 18:14  
Operator : MA/JU  
Sample : P2856-17  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0SJ2

## Manual IntegrationsAPPROVED

Quant Time: Jun 24 23:39:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 05:03:55 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2024  
Supervised By :mohammad ahmed 06/27/2024

