

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053124\  
 Data File : BG061415.D  
 Acq On : 1 Jun 2024 6:32  
 Operator : MA/JU  
 Sample : P2549-23DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

BNA\_G

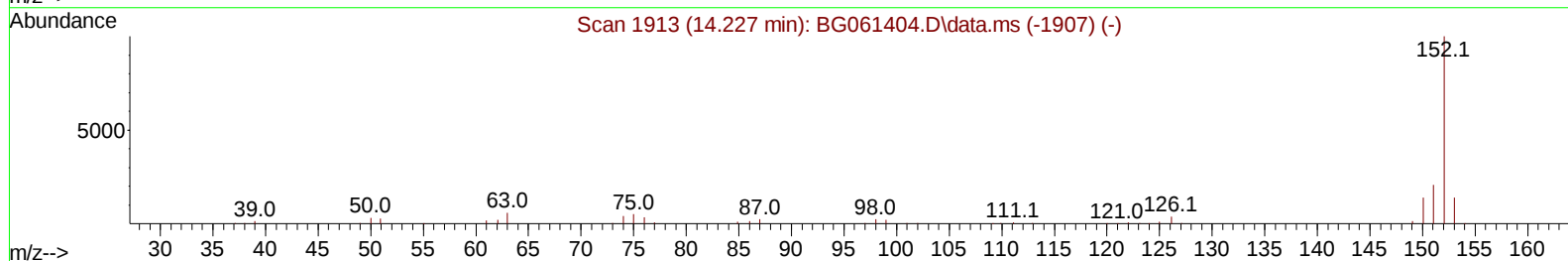
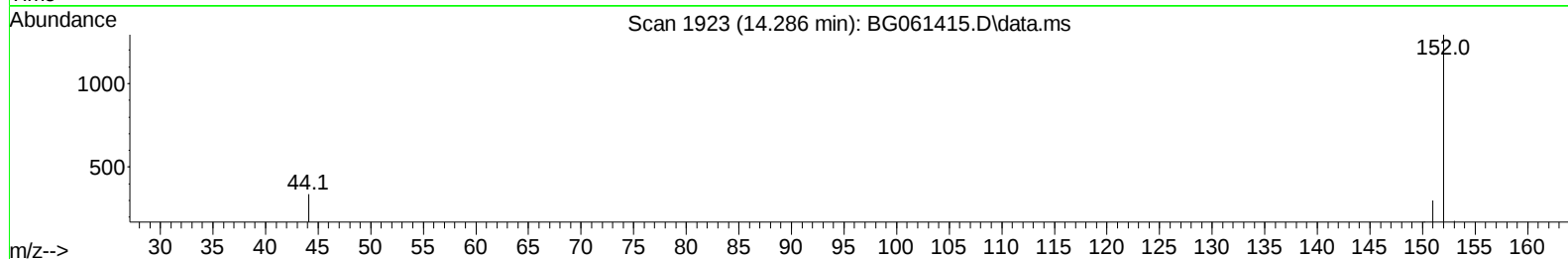
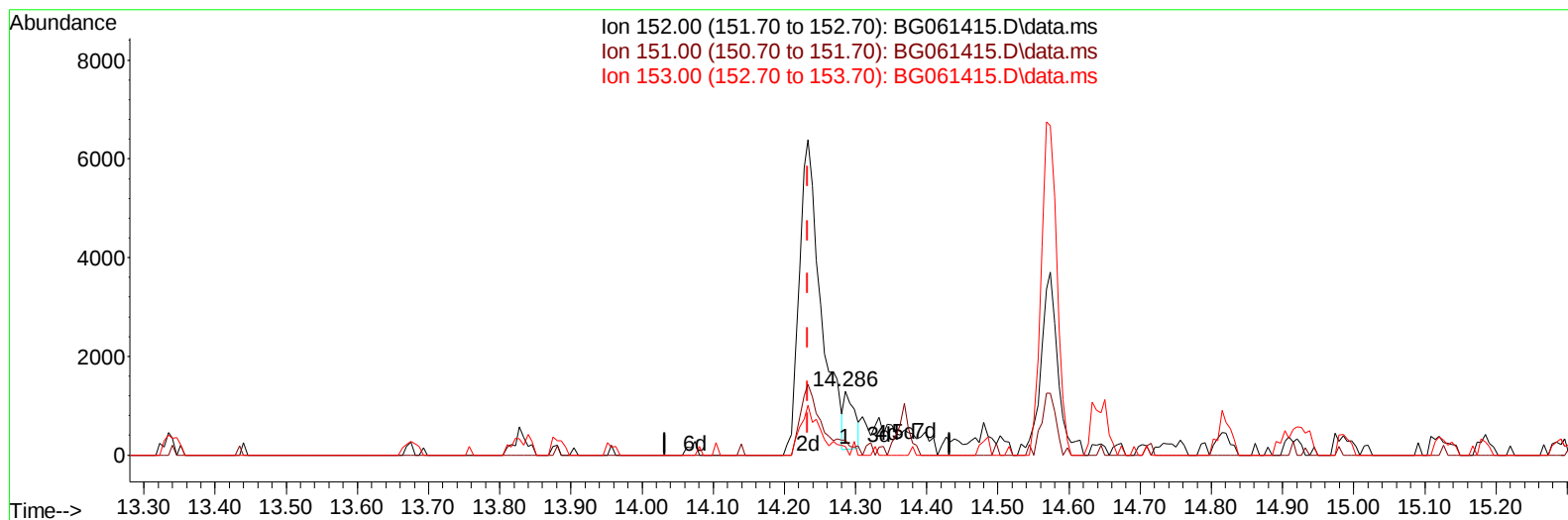
## ClientSampleId :

BHBN1DL

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 02 23:00:59 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



TIC: BG061415.D\data.ms

## (50) Acenaphthylene

14.286min (+ 0.054) 0.14 ng/u1

response 1215

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 151.00 | 20.20  | 23.14  |
| 153.00 | 12.80  | 13.93  |
| 0.00   | 0.00   | 0.00   |

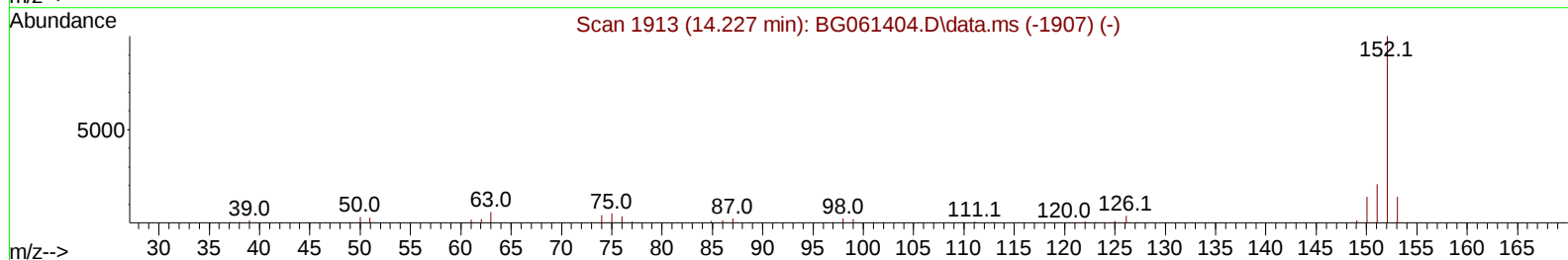
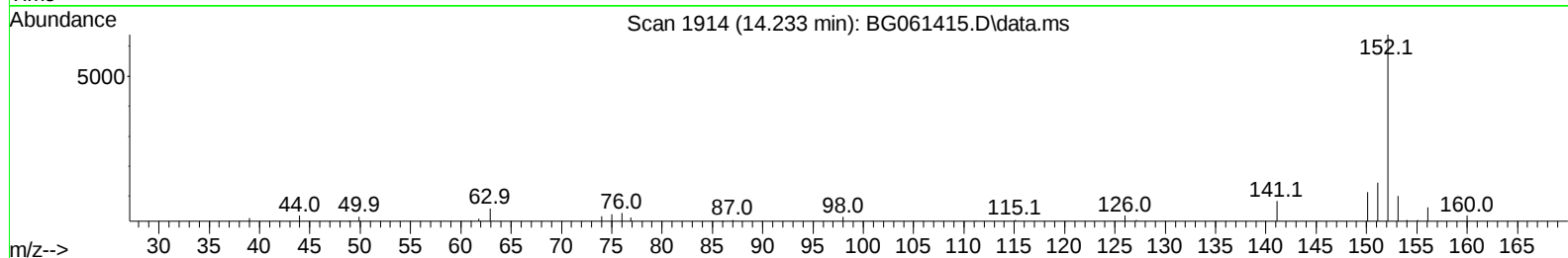
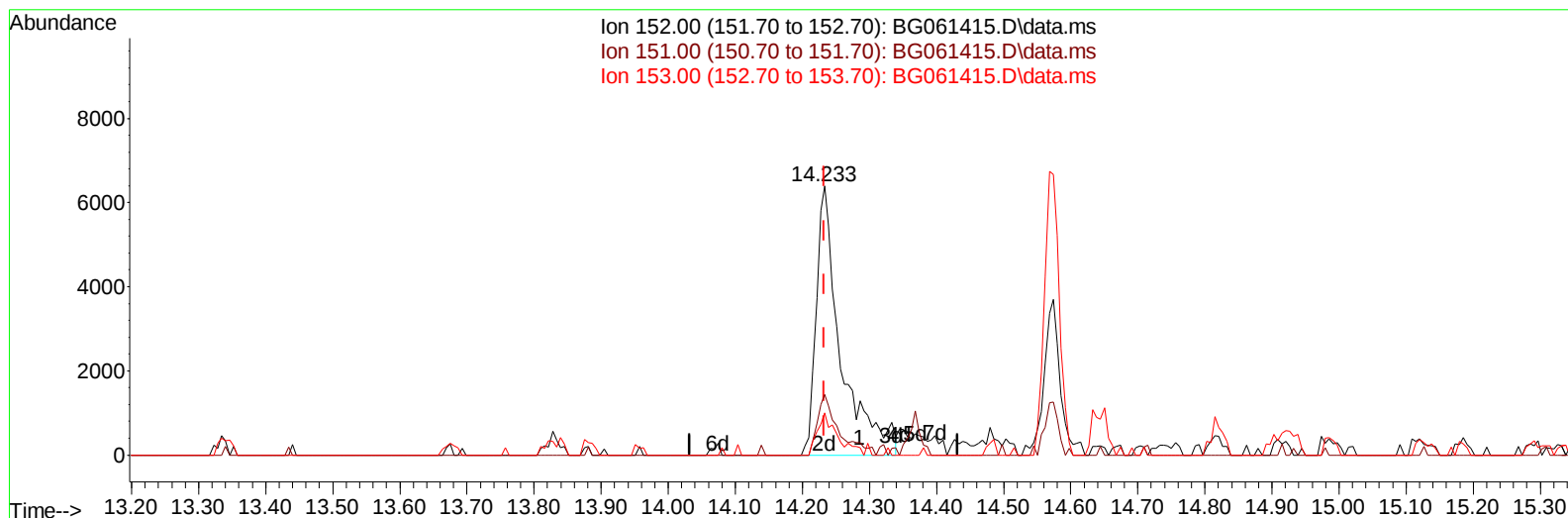
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBNI1DL

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 06/04/2024



TIC: BG061415.D\data.ms

**(50) Acenaphthylene**

**14.233min (+ 0.001) 1.83 ng/ul m**

**response 16333**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 151.00 | 20.20  | 22.49  |
| 153.00 | 12.80  | 15.76# |
| 0.00   | 0.00   | 0.00   |

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 Sample : P2549-23DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

BNA\_G

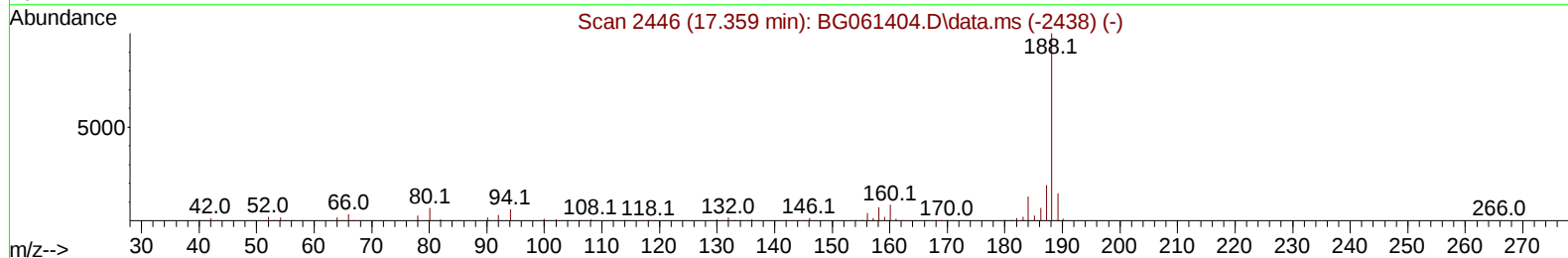
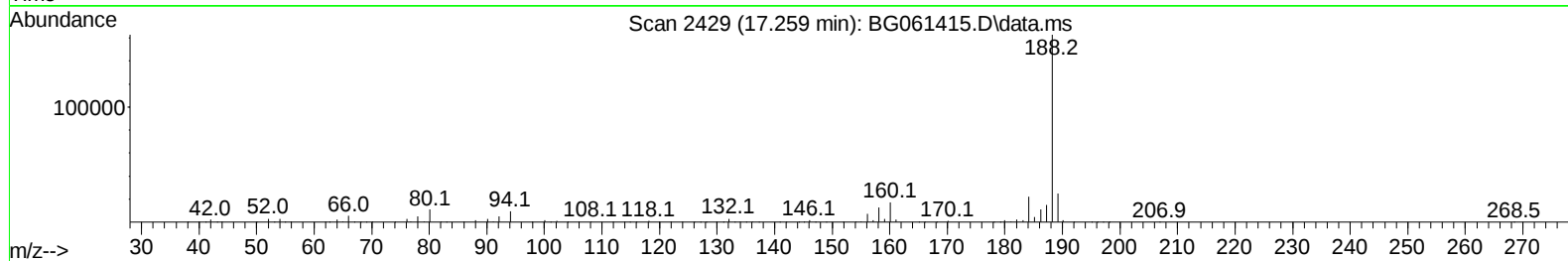
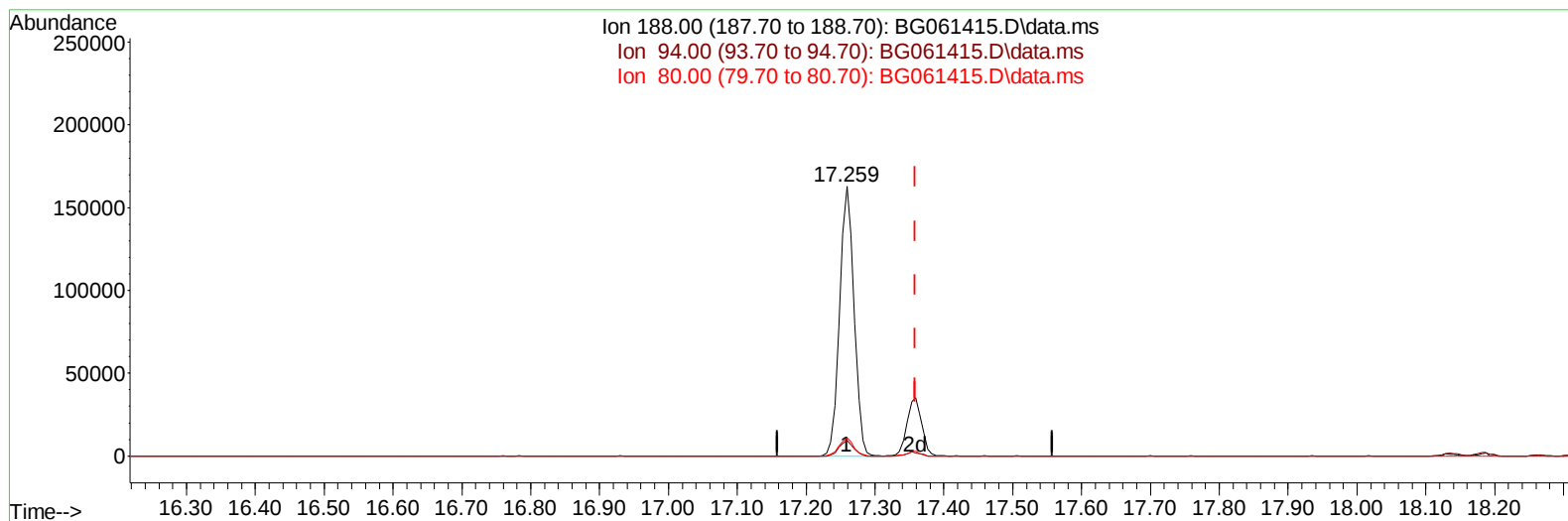
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BHBN1DL

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## (73) Anthracene-d10 (S)

17.259min (-0.099) 22.68 ng/u1

response 238111

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 6.60   | 5.70   |
| 80.00  | 6.40   | 6.75   |
| 0.00   | 0.00   | 0.00   |

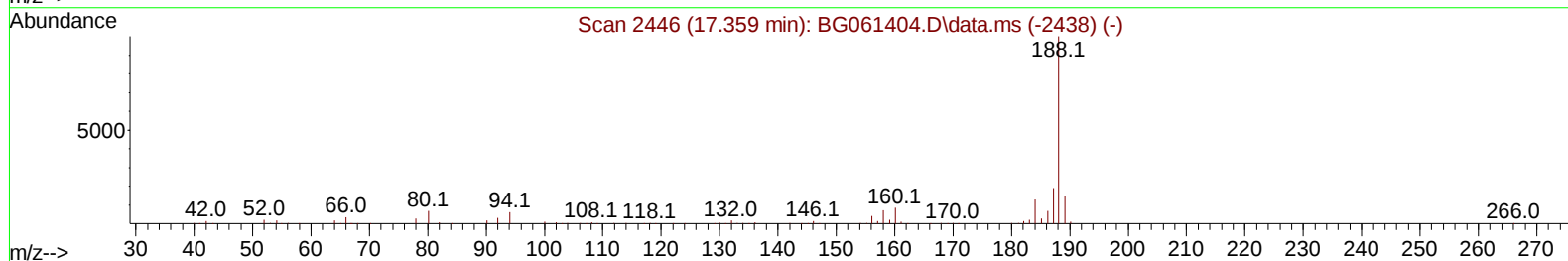
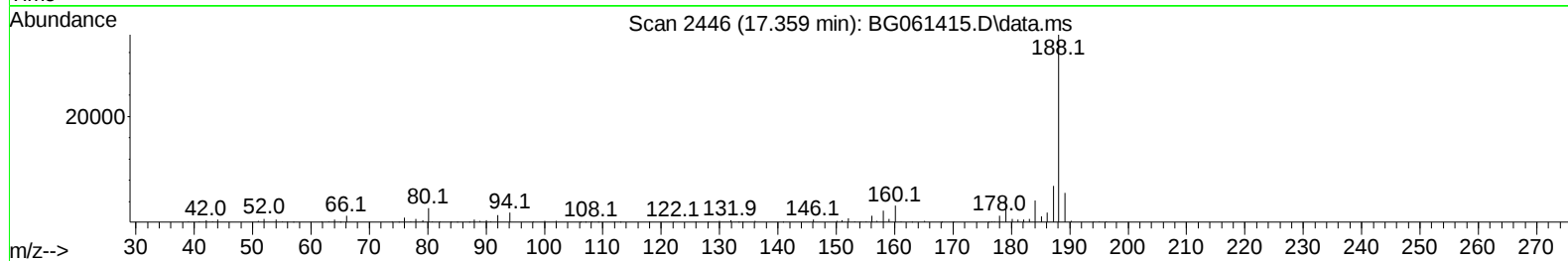
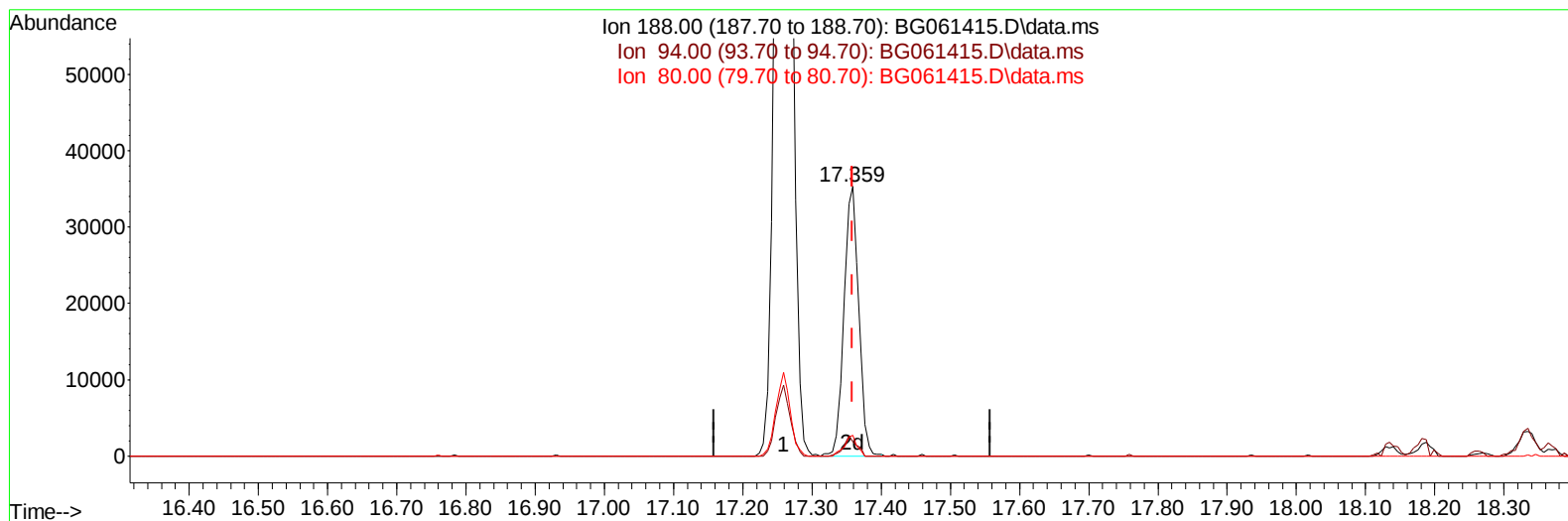
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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBNDL

Manual IntegrationsAPPROVED

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TIC: BG061415.D\data.ms

(73) Anthracene-d10 (S)

17.359min (+ 0.001) 4.97 ng/u1 m

response 52197

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 6.60   | 5.40   |
| 80.00  | 6.40   | 7.76#  |
| 0.00   | 0.00   | 0.00   |

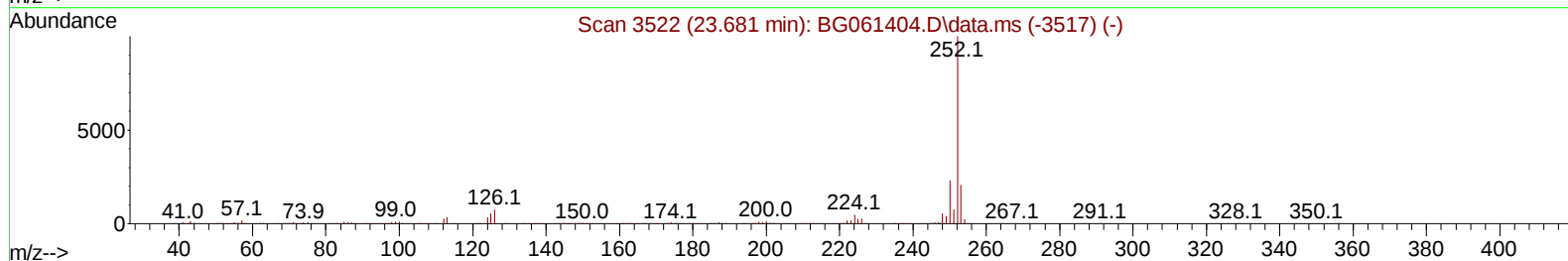
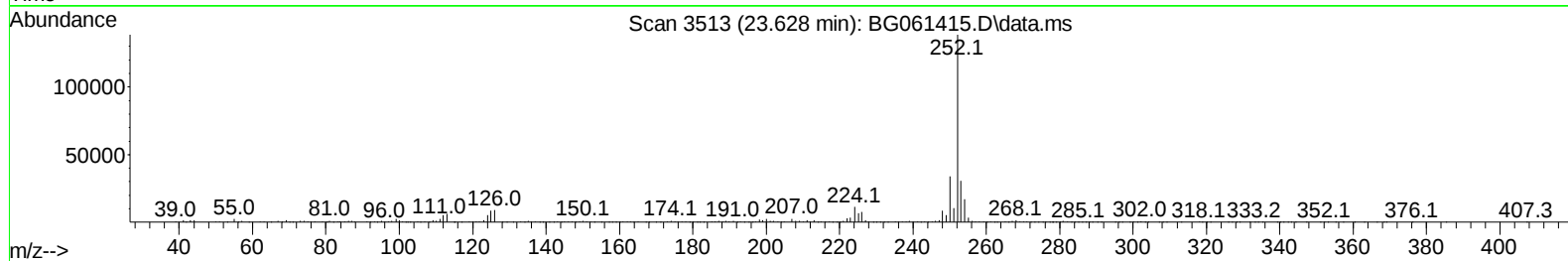
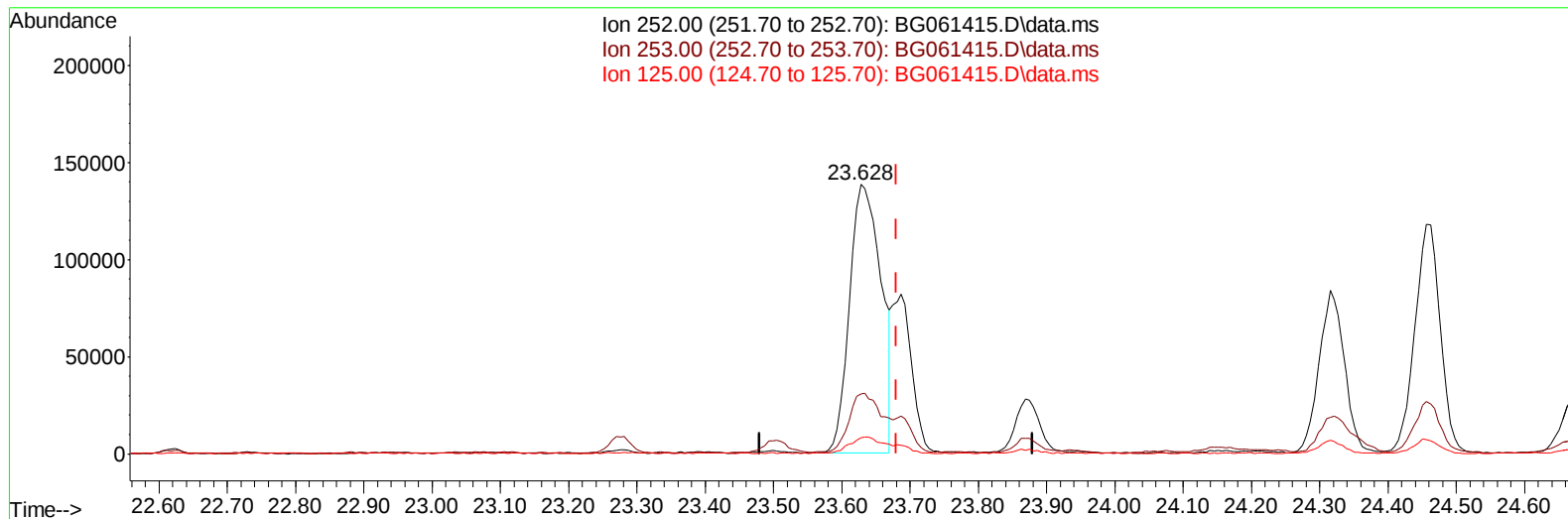
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Operator : MA/JU  
Sample : P2549-23DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBN1DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/04/2024



TIC: BG061415.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.628min (-0.052) 26.01 ng/u1**

**response 446066**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 22.21  |
| 125.00 | 5.40   | 6.10   |
| 0.00   | 0.00   | 0.00   |

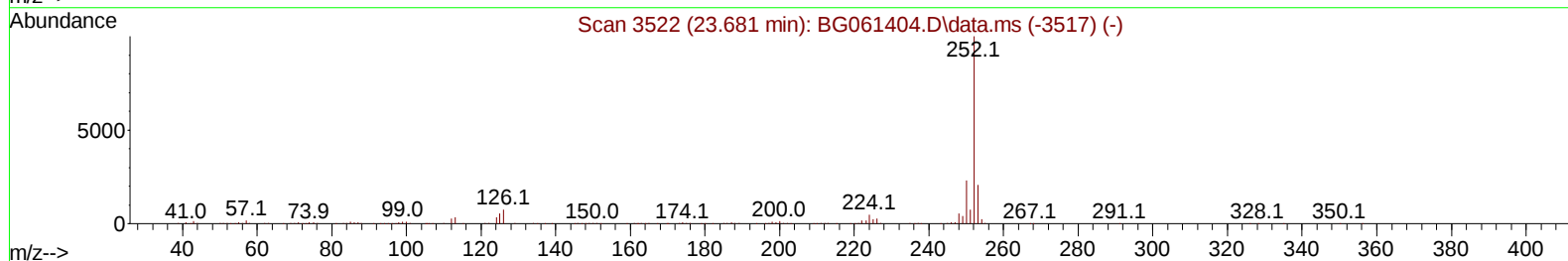
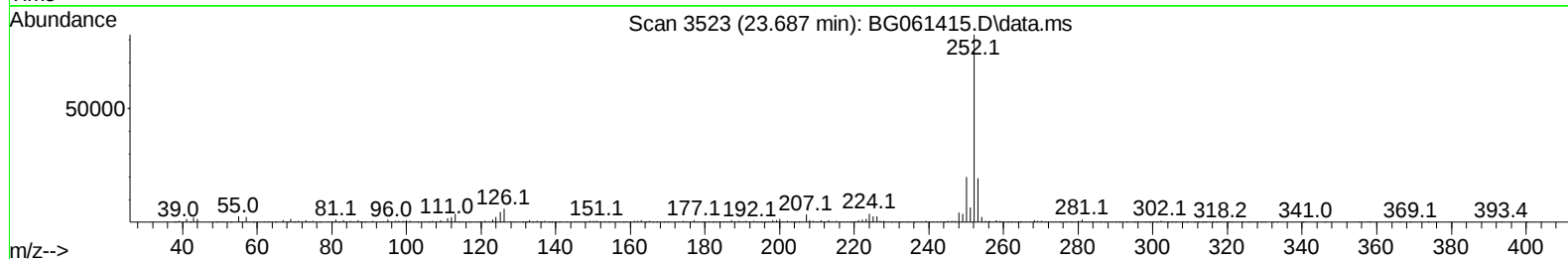
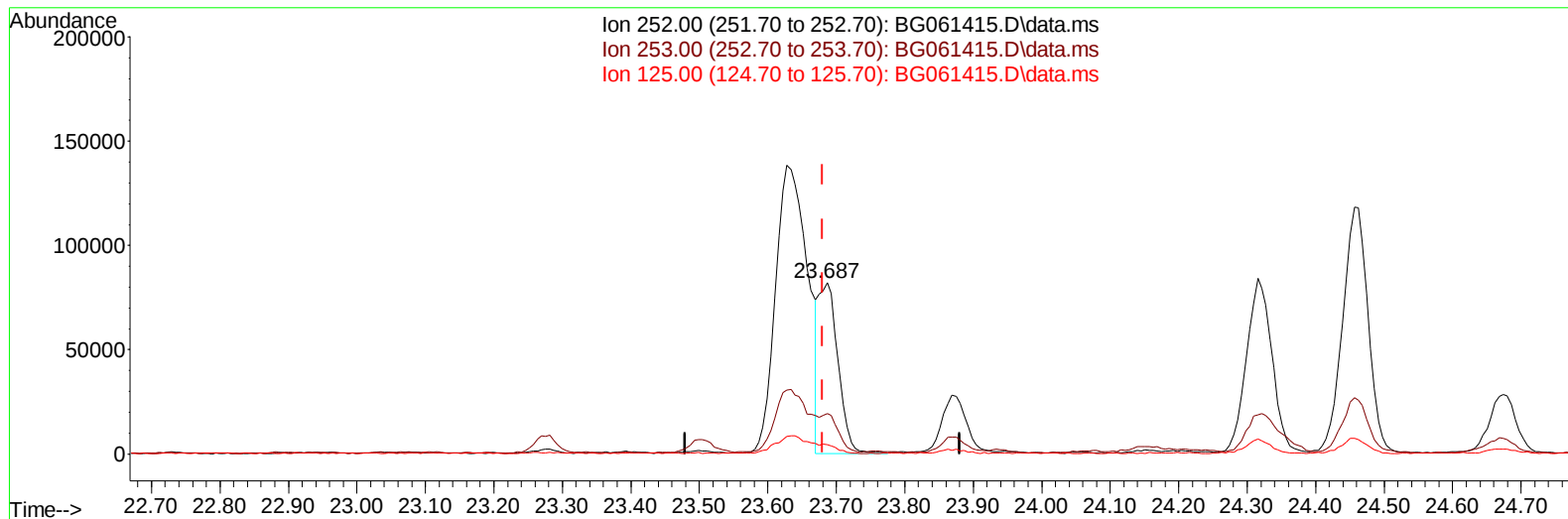
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Data File : BG061415.D  
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Operator : MA/JU  
Sample : P2549-23DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBN1DL

Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION  
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Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



TIC: BG061415.D\data.ms

(91) Benzo(k)fluoranthene

23.687min (+ 0.007) 9.46 ng/ul m

response 162173

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 20.00  | 23.61  |
| 125.00 | 5.40   | 5.58   |
| 0.00   | 0.00   | 0.00   |

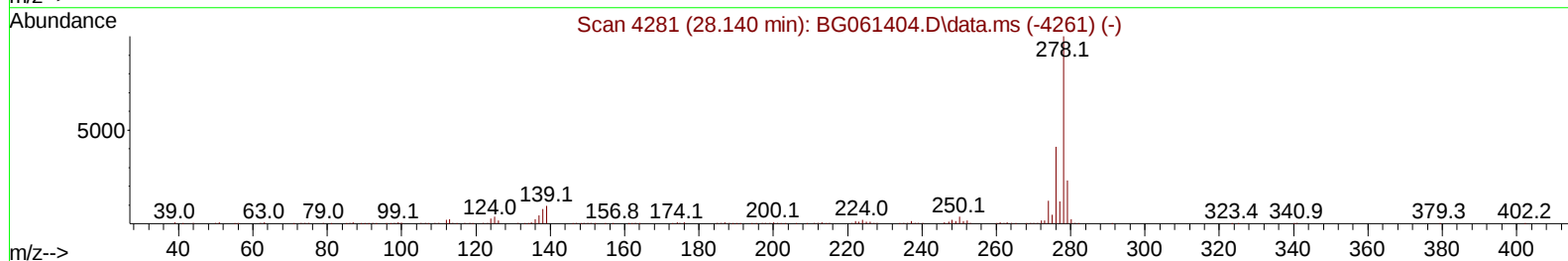
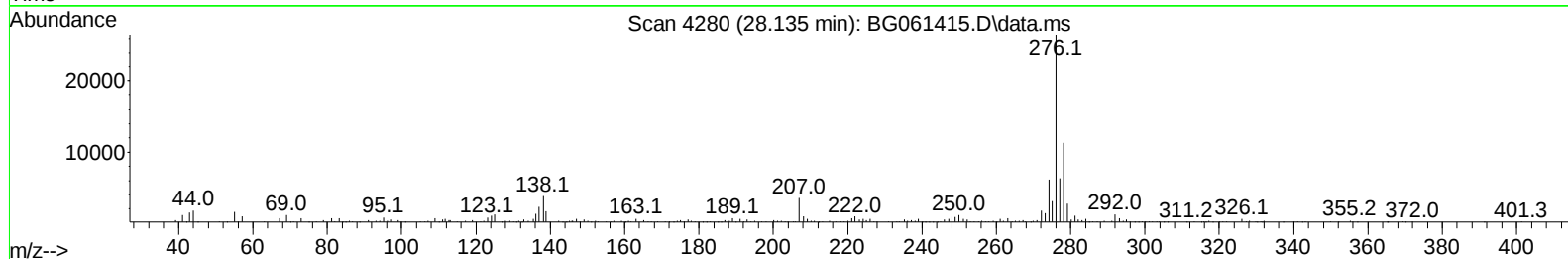
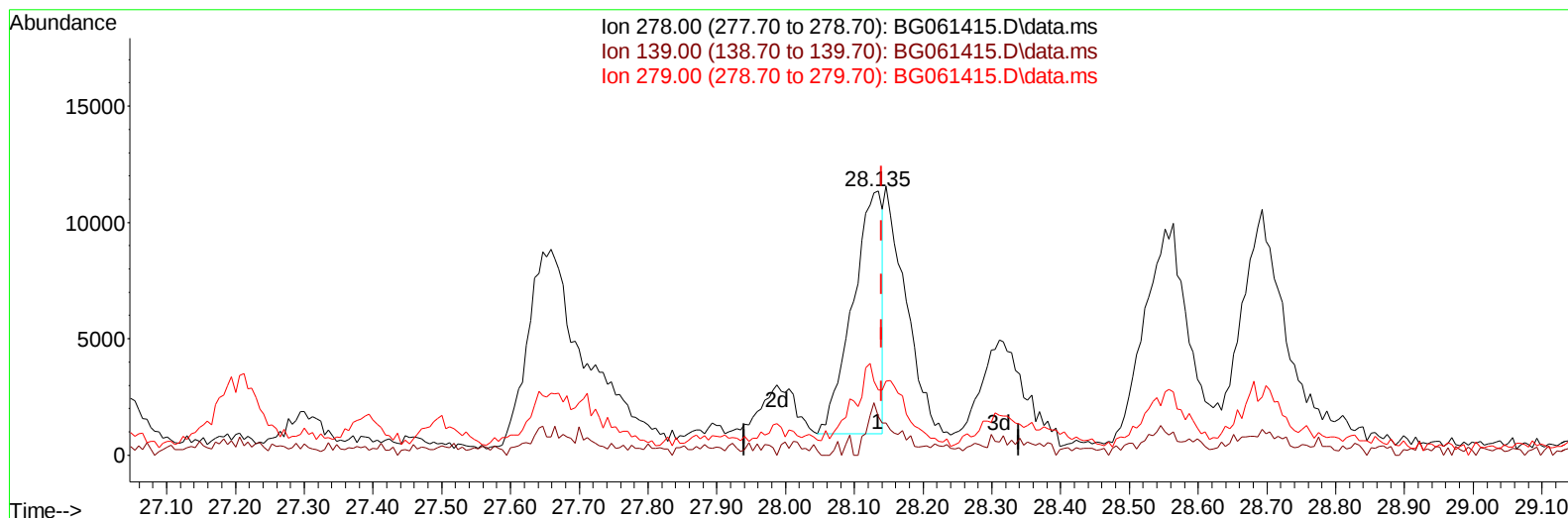
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Data File : BG061415.D  
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Operator : MA/JU  
Sample : P2549-23DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBN1DL

Manual IntegrationsAPPROVED

Quant Time: Jun 02 23:03:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
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Supervised By :mohammad ahmed 06/04/2024



TIC: BG061415.D\data.ms

(95) Dibenzo(a,h)anthracene

28.135min (-0.005) 1.96 ng/u1

response 31307

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 14.65# |
| 279.00 | 24.90  | 24.52  |
| 0.00   | 0.00   | 0.00   |

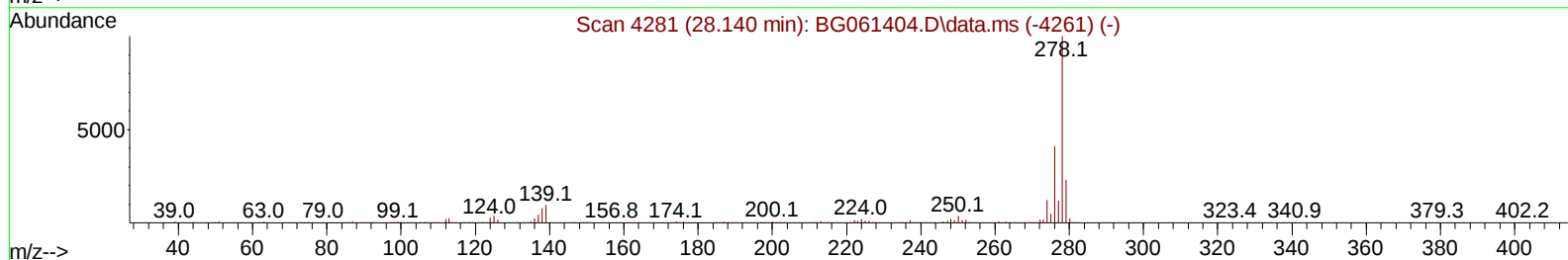
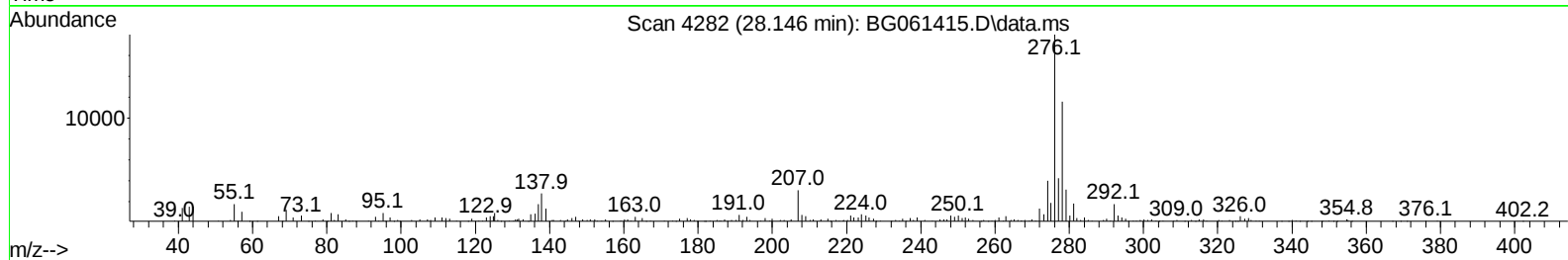
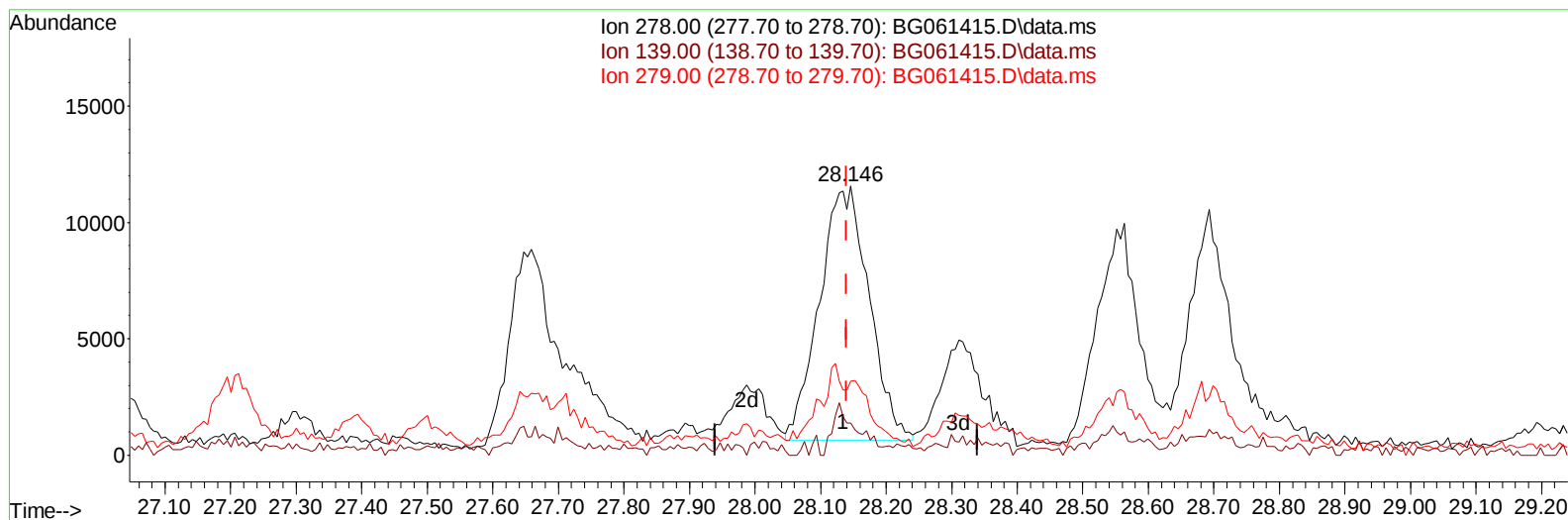
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053124\  
 Data File : BG061415.D  
 Acq On : 1 Jun 2024 6:32  
 Operator : MA/JU  
 Sample : P2549-23DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBN1DL

Manual IntegrationsAPPROVED

Quant Time: Jun 02 23:03:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
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Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024



TIC: BG061415.D\data.ms

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

28.146min (+ 0.007) 3.58 ng/ul m

response 57266

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.00   | 12.02# |
| 279.00 | 24.90  | 27.52  |
| 0.00   | 0.00   | 0.00   |

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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBNI1DL

Manual IntegrationsAPPROVED

Quant Time: Jun 02 23:04:04 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.870  | 152  | 28829    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.667 | 136  | 120836   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.509 | 164  | 99915    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.259 | 188  | 238111   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.513 | 240  | 242284   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.603 | 264  | 283762   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000  | ng/uL  |          |
| 4) Pyridine-d5                | 3.734  | 84   | 5387     | 2.939  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.059  | 99   | 10495    | 4.433  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.200  | 67   | 6319     | 4.247  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.412  | 132  | 7449     | 4.251  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.593  | 113  | 7623     | 3.776  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.027  | 128  | 3883     | 4.174  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.750  | 143  | 4605     | 4.229  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.302 | 165  | 10344    | 4.873  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.802 | 131  | 4188     | 1.508  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 34298    | 4.426  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.198 | 160  | 37745    | 4.685  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.762 | 143  | 2806     | 2.929  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.502 | 176  | 31100    | 4.648  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.649 | 200  | 1948     | 1.353  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.359 | 188  | 52197m   | 4.972  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.650 | 212  | 61754    | 4.964  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.386 | 264  | 65173    | 4.777  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.720 | 128  | 10546    | 1.654  | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.329 | 142  | 4929     | 1.066  | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.233 | 152  | 16333m   | 1.828  | ng/ul  |          |
| 52) Acenaphthene              | 14.568 | 153  | 10395    | 1.774  | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.909 | 168  | 17090    | 2.040  | ng/ul  | 98       |
| 61) Fluorene                  | 15.555 | 166  | 18403    | 2.538  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.300 | 178  | 375705   | 32.509 | ng/ul  | 99       |
| 74) Anthracene                | 17.394 | 178  | 61830    | 5.174  | ng/ul  | 96       |
| 77) Carbazole                 | 17.664 | 167  | 34184    | 3.517  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.321 | 202  | 656712   | 44.005 | ng/ul  | 99       |
| 82) Pyrene                    | 19.680 | 202  | 556393   | 35.918 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.495 | 228  | 330123   | 19.747 | ng/ul  | 98       |
| 87) Chrysene                  | 21.560 | 228  | 358941   | 23.318 | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 23.628 | 252  | 446066   | 26.402 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.687 | 252  | 162173m  | 9.455  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.456 | 252  | 304384   | 18.973 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.111 | 276  | 203769   | 10.503 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 28.146 | 278  | 57266m   | 3.580  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.204 | 276  | 180893   | 11.720 | ng/ul  | 95       |
| -----                         |        |      |          |        |        |          |

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

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