

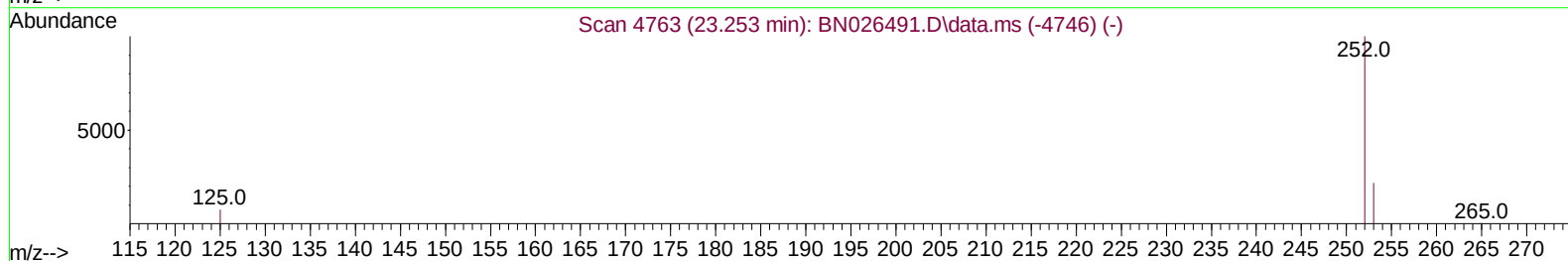
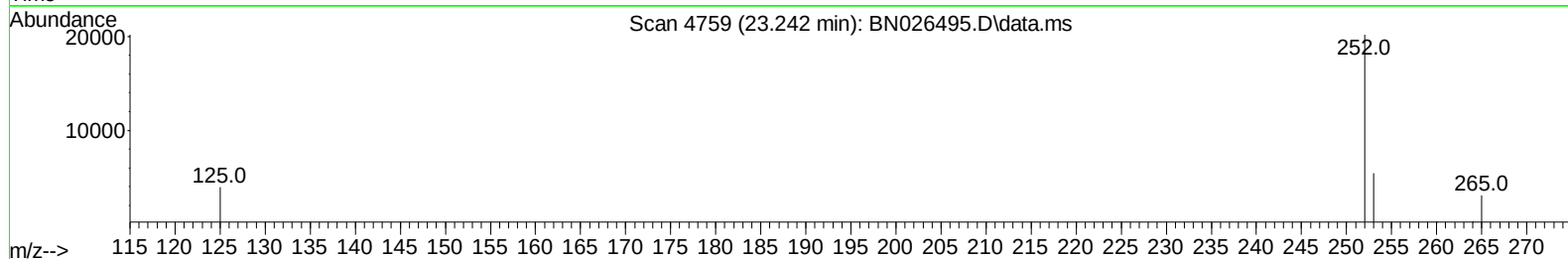
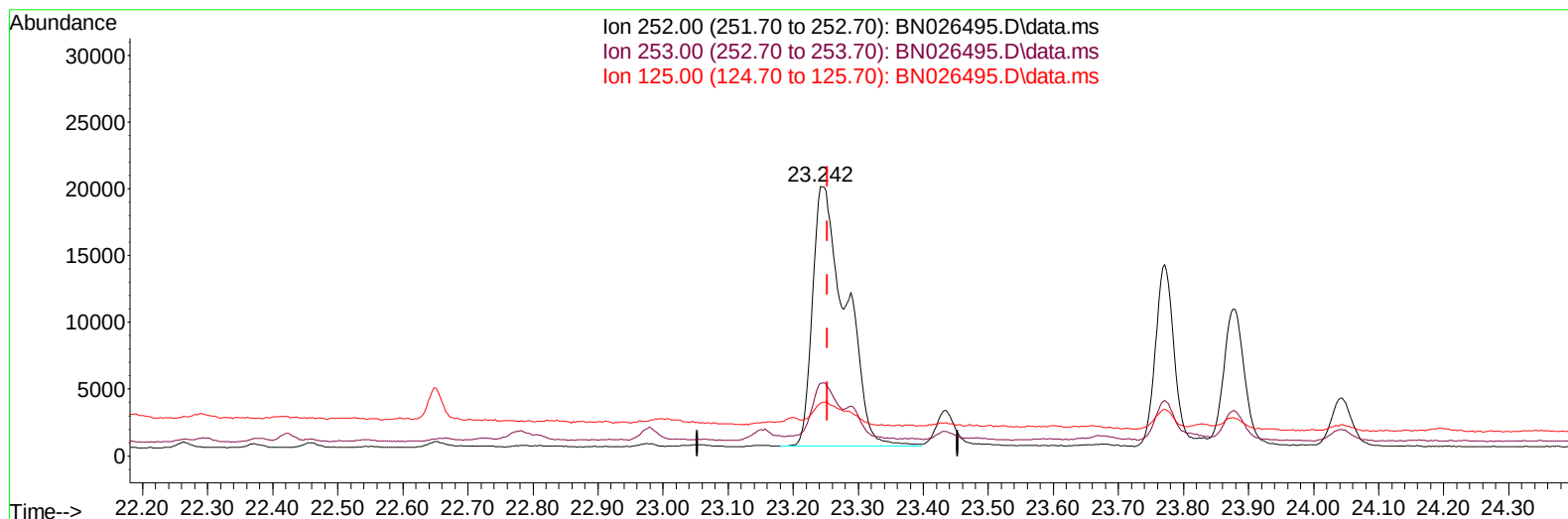
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071323\  
 Data File : BN026495.D  
 Acq On : 13 Jul 2023 19:53  
 Operator : MA/JU  
 Sample : 03418-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46F0

Manual IntegrationsAPPROVED

Quant Time: Jul 14 04:44:50 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 04:32:14 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/14/2023  
 Supervised By :mohammad ahmed 07/14/2023



TIC: BN026495.D\data.ms

**(24) Benzo(b)fluoranthene**

23.242min (-0.011) 0.71 ng/u1

response 69197

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 27.09  |
| 125.00 | 17.00  | 19.53  |
| 0.00   | 0.00   | 0.00   |

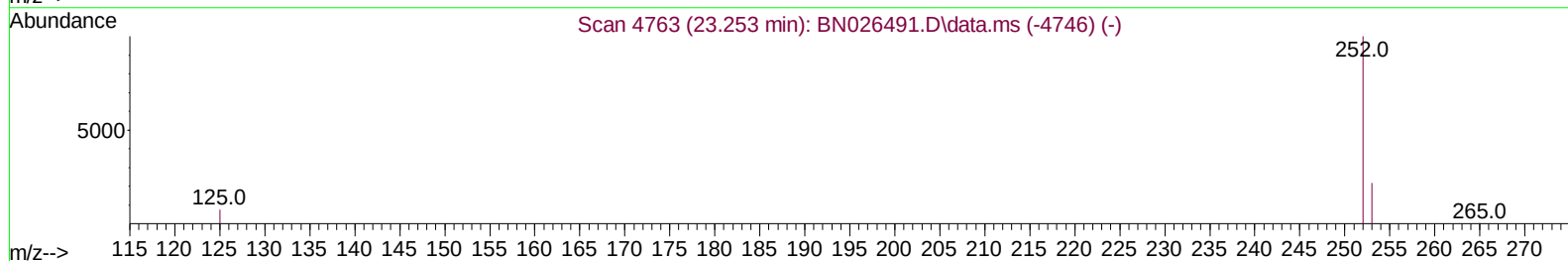
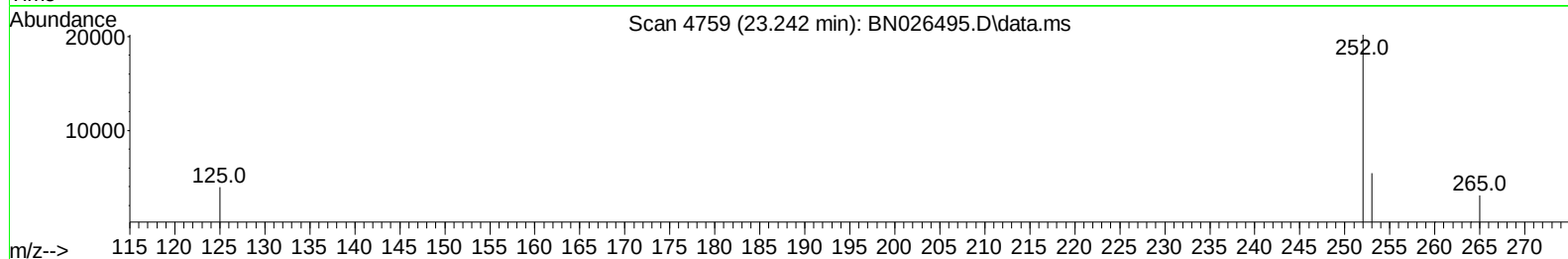
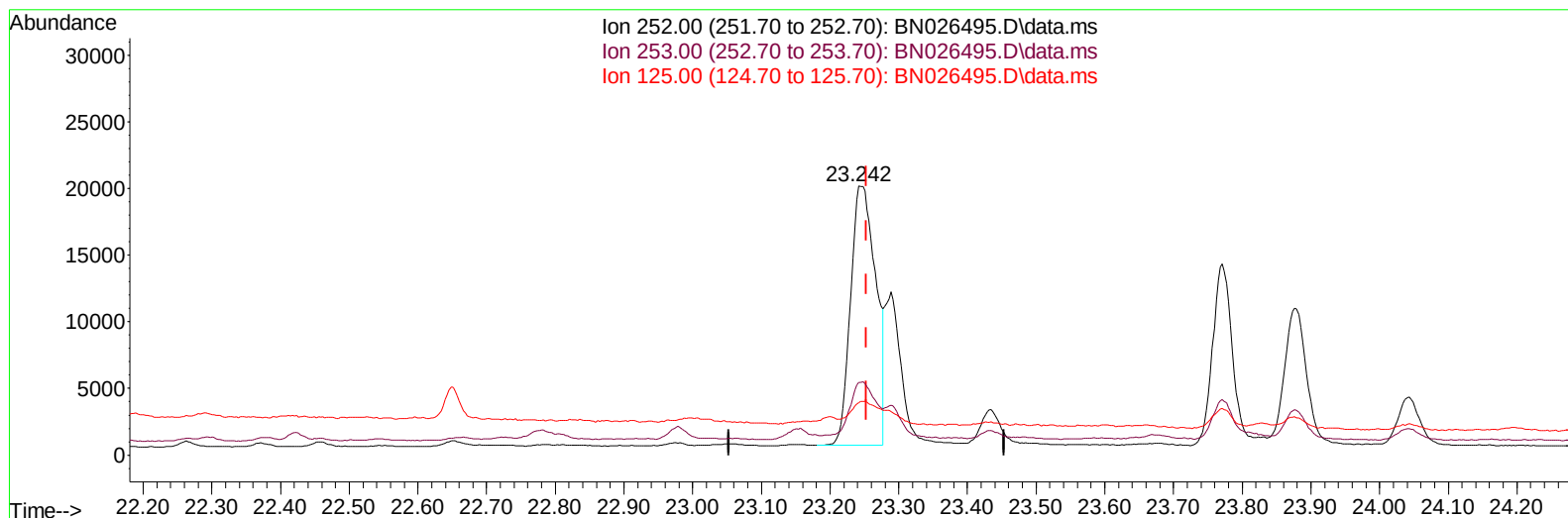
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071323\  
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TIC: BN026495.D\data.ms

**(24) Benzo(b)fluoranthene**

23.242min (-0.011) 0.51 ng/ul m

response 49918

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 27.09  |
| 125.00 | 17.00  | 19.53  |
| 0.00   | 0.00   | 0.00   |

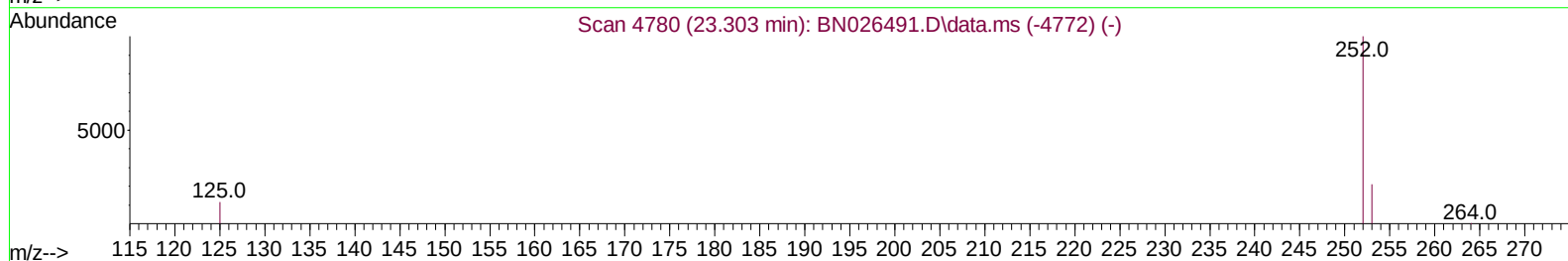
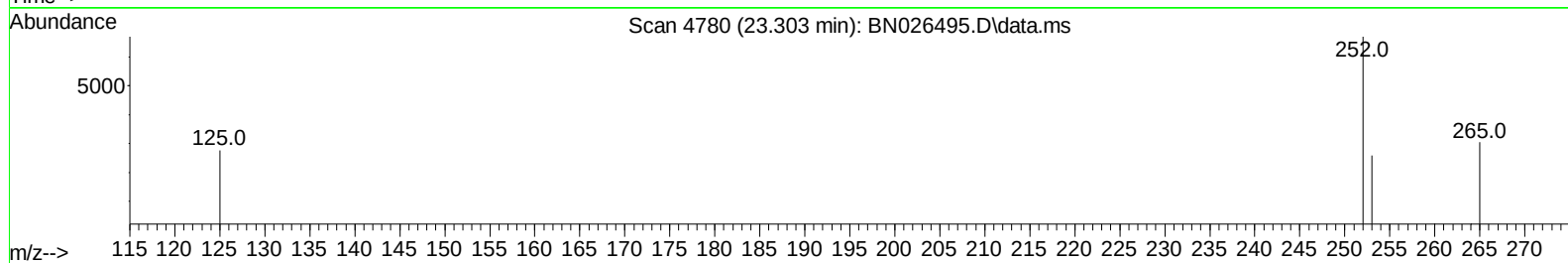
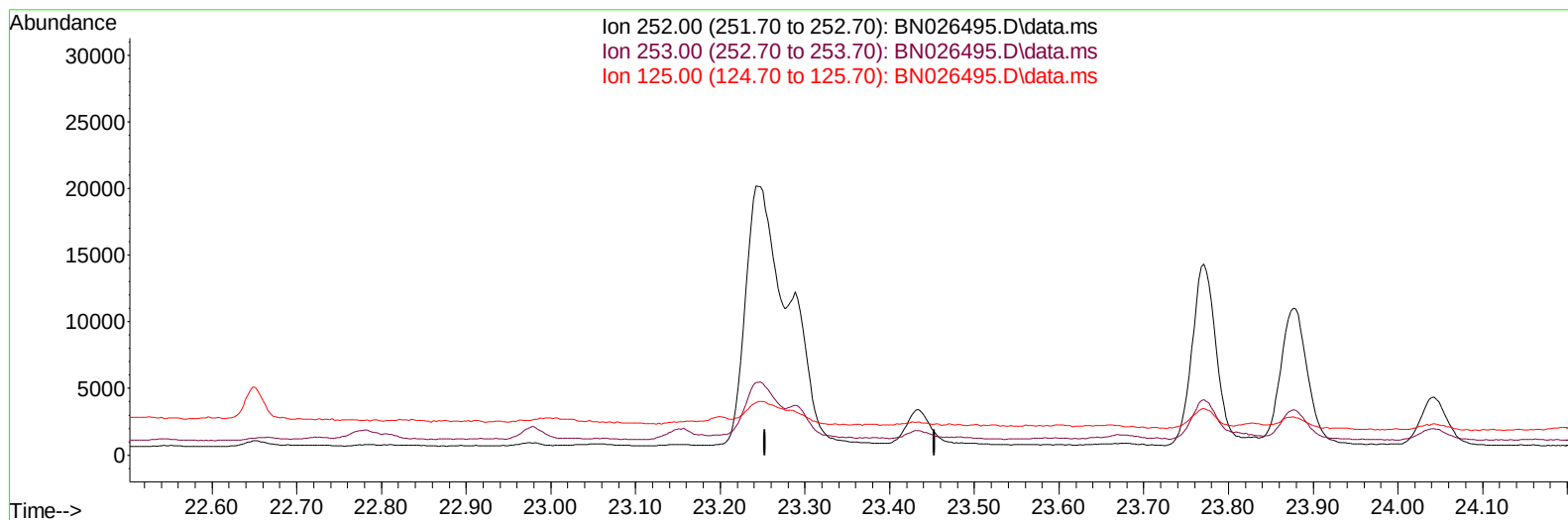
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071323\  
Data File : BN026495.D  
Acq On : 13 Jul 2023 19:53  
Operator : MA/JU  
Sample : 03418-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A46F0

Manual IntegrationsAPPROVED

Quant Time: Jul 14 04:44:50 2023  
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TIC: BN026495.D\data.ms

(25) Benzo(k)fluoranthene

23.303min (-23.303) 0.00 ng/ul

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 34.00  | 0.00# |
| 125.00 | 16.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

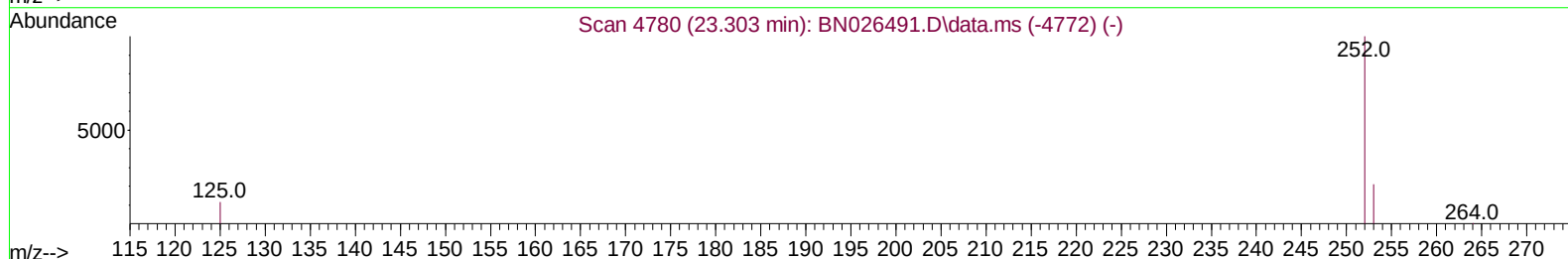
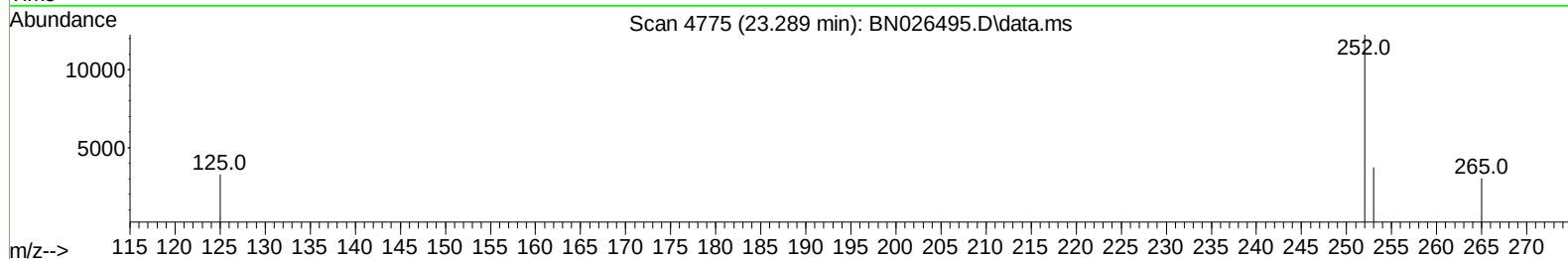
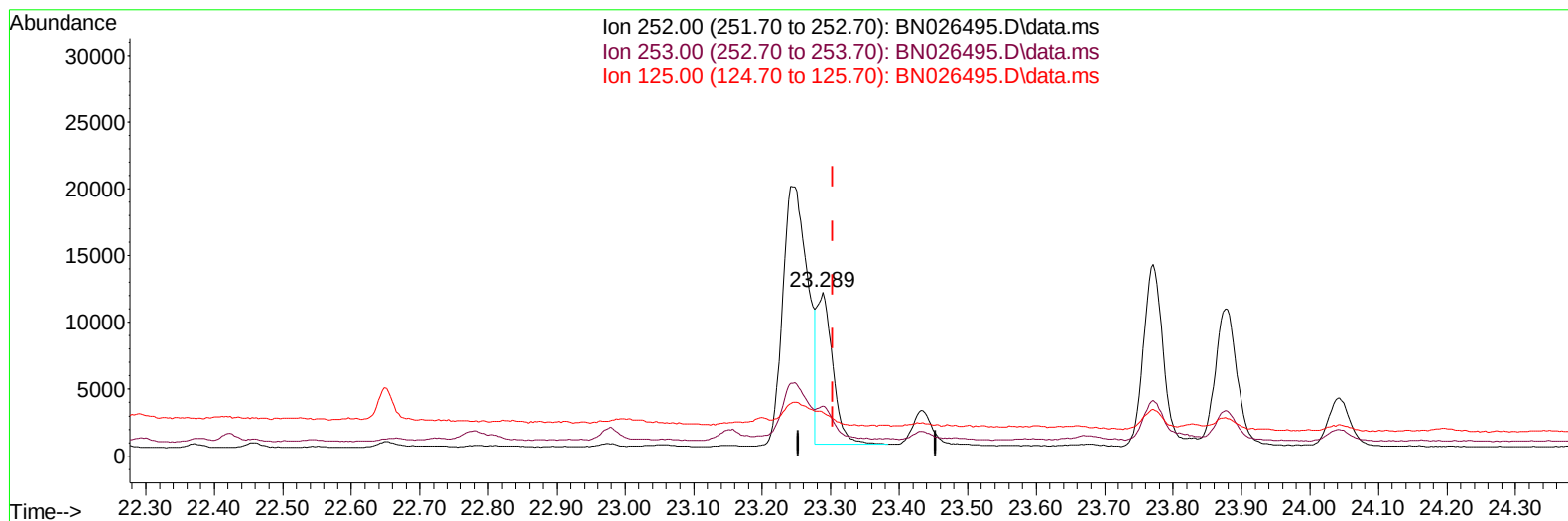
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 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN026495.D\data.ms

**(25) Benzo(k)fluoranthene**

23.289min (-0.014) 0.18 ng/ul m

response 18188

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 30.41  |
| 125.00 | 16.80  | 26.80# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071323\  
 Data File : BN026495.D  
 Acq On : 13 Jul 2023 19:53  
 Operator : MA/JU  
 Sample : 03418-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46F0

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/14/2023  
 Supervised By :mohammad ahmed 07/14/2023

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.984  | 152  | 9500     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.792 | 136  | 28379    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.617 | 164  | 16938    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.360 | 188  | 33935    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.549 | 240  | 23930    | 0.400 | ng/ul  | #-0.01   |
| 23) Perylene-d12            | 23.987 | 264  | 25117    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.335  | 96   | 6564     | 0.525 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.382 | 152  | 2057     | 0.053 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.387 | 212  | 4346     | 0.052 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.842 | 128  | 18639    | 0.239 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.453 | 142  | 2667     | 0.060 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.668 | 142  | 2128     | 0.045 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.339 | 152  | 3435     | 0.041 | ng/ul# | 81       |
| 11) Acenaphthene            | 14.677 | 153  | 5997     | 0.095 | ng/ul  | 98       |
| 12) Fluorene                | 15.662 | 166  | 6646     | 0.100 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.402 | 178  | 84038    | 0.778 | ng/ul  | 98       |
| 16) Anthracene              | 17.495 | 178  | 12839    | 0.137 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.419 | 202  | 120480   | 1.074 | ng/ul# | 95       |
| 20) Pyrene                  | 19.782 | 202  | 105332   | 0.865 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.535 | 228  | 39310    | 0.447 | ng/ul  | 97       |
| 22) Chrysene                | 21.587 | 228  | 44627    | 0.446 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.242 | 252  | 49918m   | 0.510 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.289 | 252  | 18188m   | 0.177 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.876 | 252  | 22699    | 0.261 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.534 | 276  | 21915    | 0.192 | ng/ul# | 79       |
| 28) Dibenzo(a,h)anthracene  | 26.541 | 278  | 5289     | 0.060 | ng/ul# | 73       |
| 29) Benzo(g,h,i)perylene    | 27.319 | 276  | 22096    | 0.219 | ng/ul# | 92       |
| -----                       |        |      |          |       |        |          |

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

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