

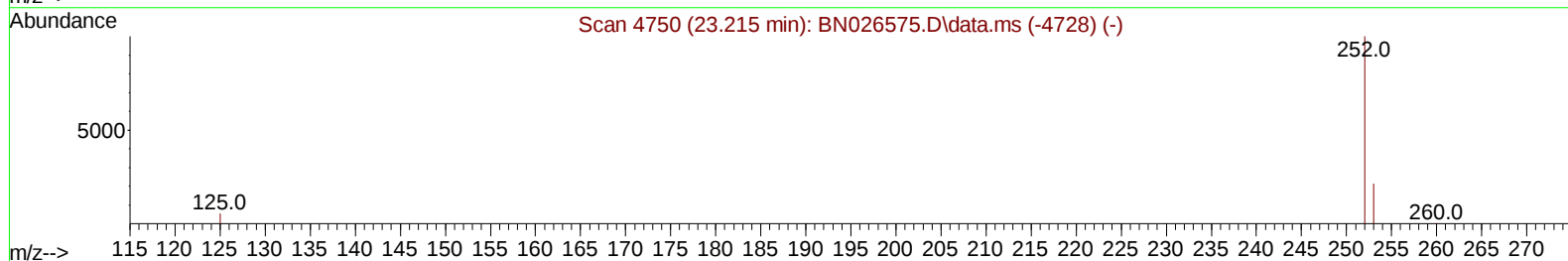
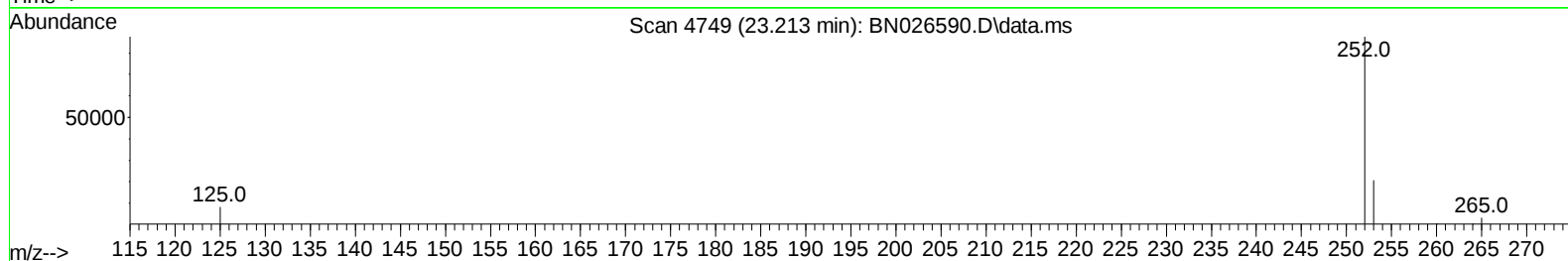
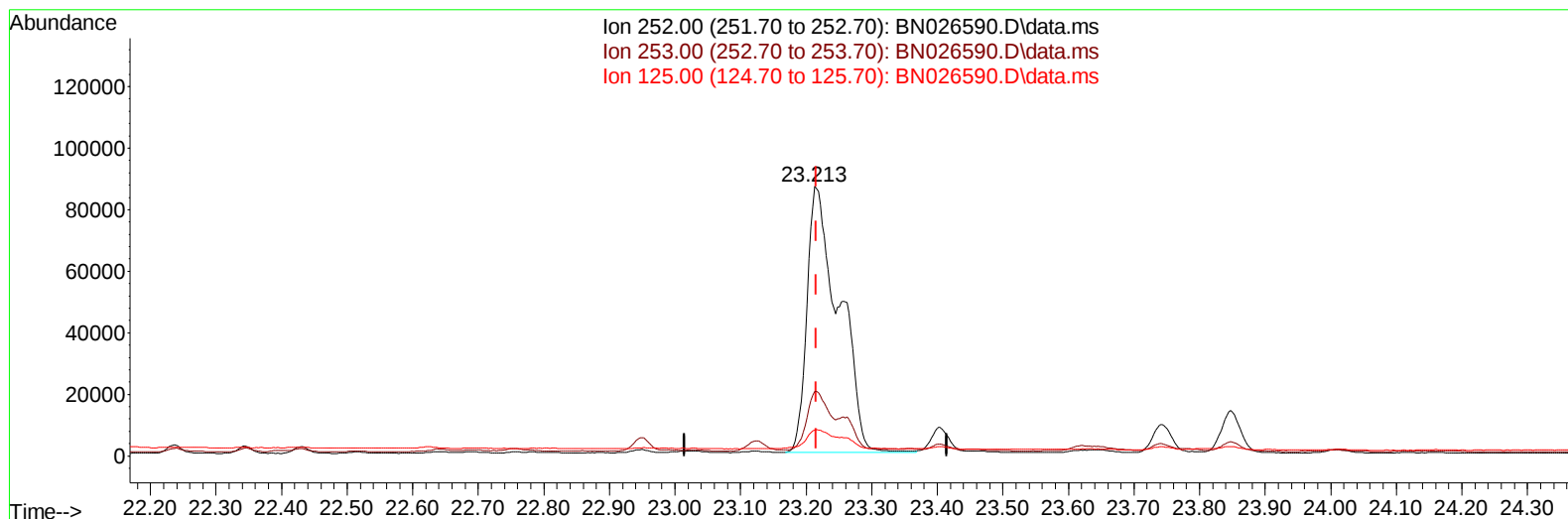
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
 Data File : BN026590.D  
 Acq On : 19 Jul 2023 09:08  
 Operator : MA/JU  
 Sample : 03501-12  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46X7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:48:27 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 : Wed Jul 19 00:52:36 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BN026590.D\data.ms

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

23.213min (-0.002) 7.43 ng/u1

response 293579

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 23.84  |
| 125.00 | 17.00  | 9.59   |
| 0.00   | 0.00   | 0.00   |

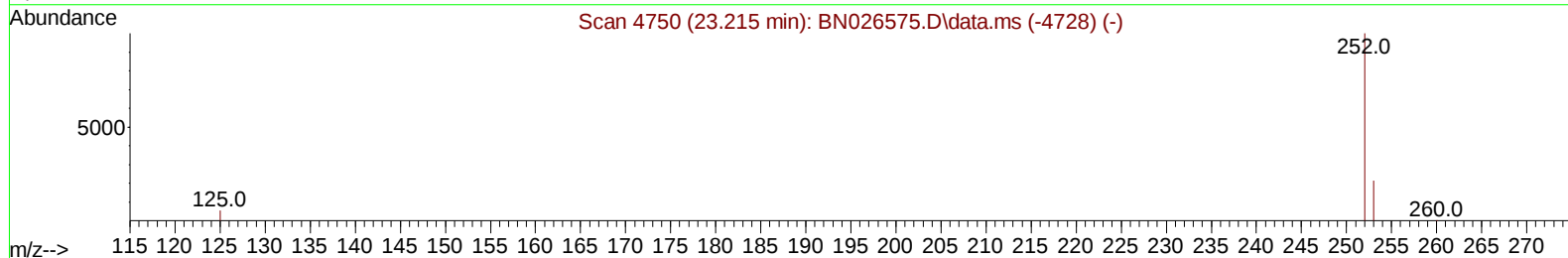
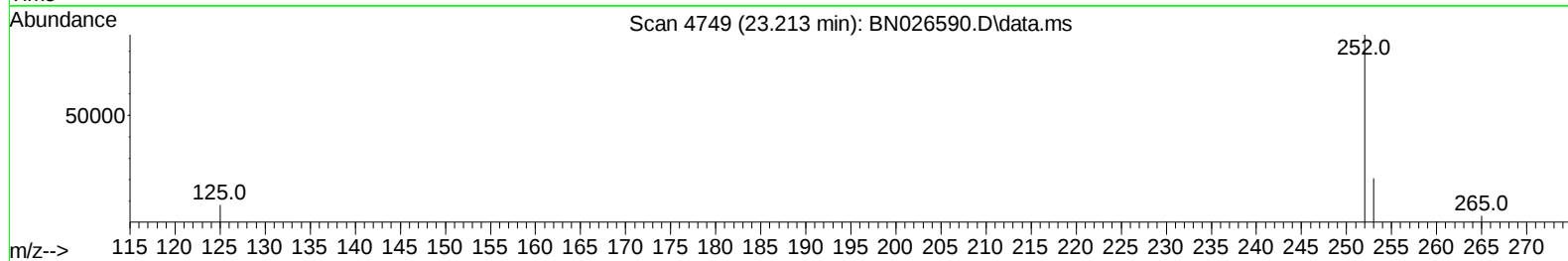
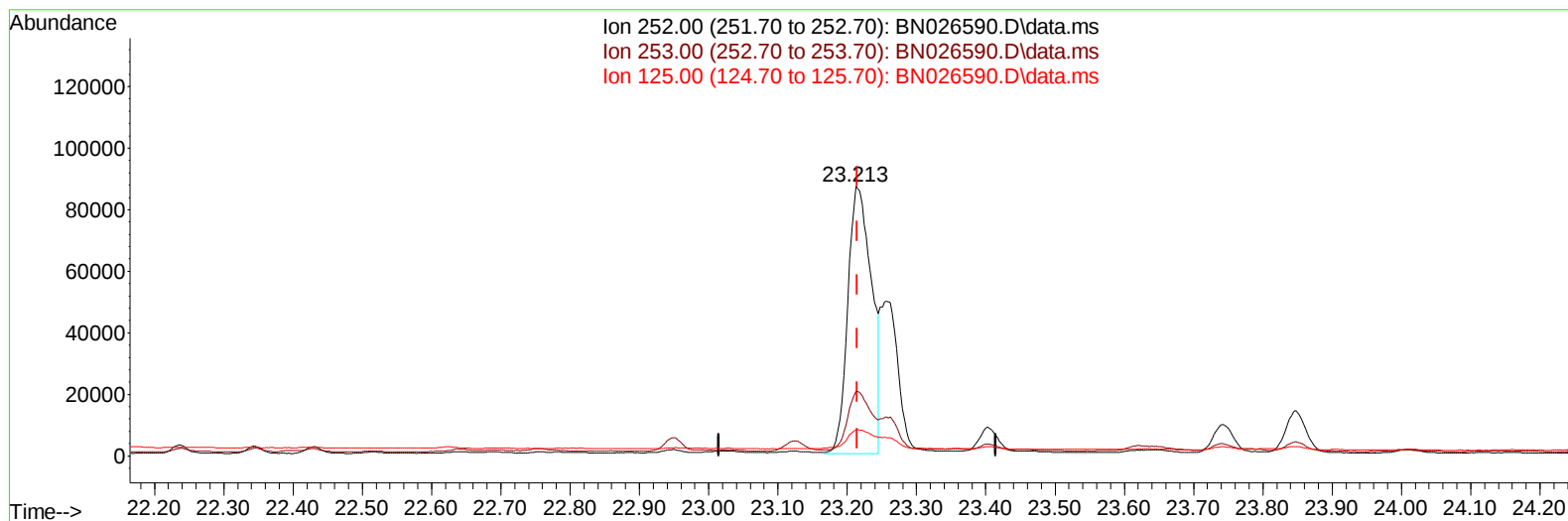
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
Data File : BN026590.D  
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Manual IntegrationsAPPROVED

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TIC: BN026590.D\data.ms

(24) Benzo(b)fluoranthene

23.213min (-0.002) 5.21 ng/u1 m

response 205860

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 23.84  |
| 125.00 | 17.00  | 9.59   |
| 0.00   | 0.00   | 0.00   |

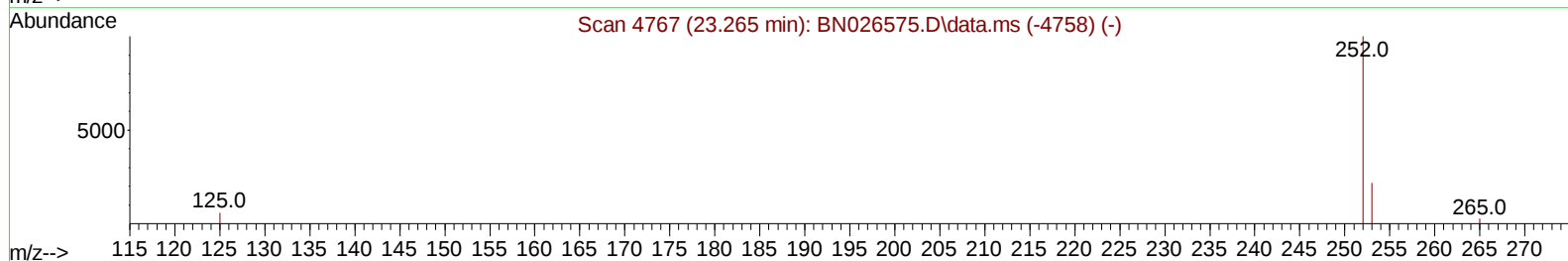
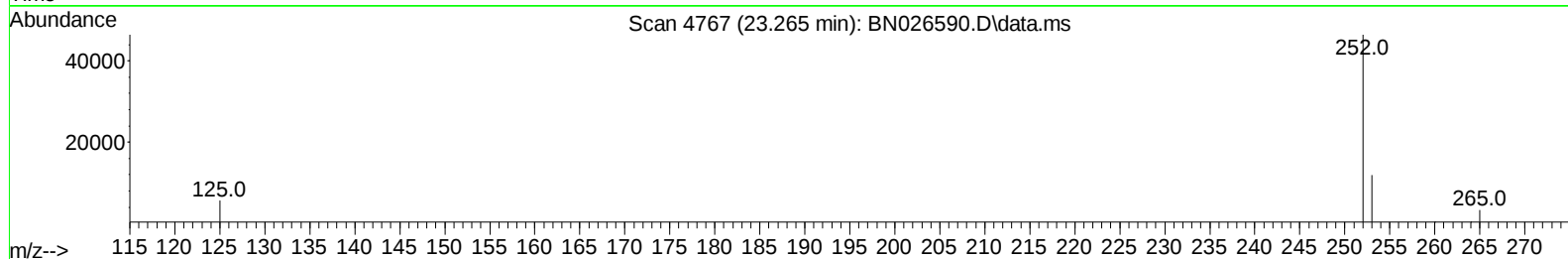
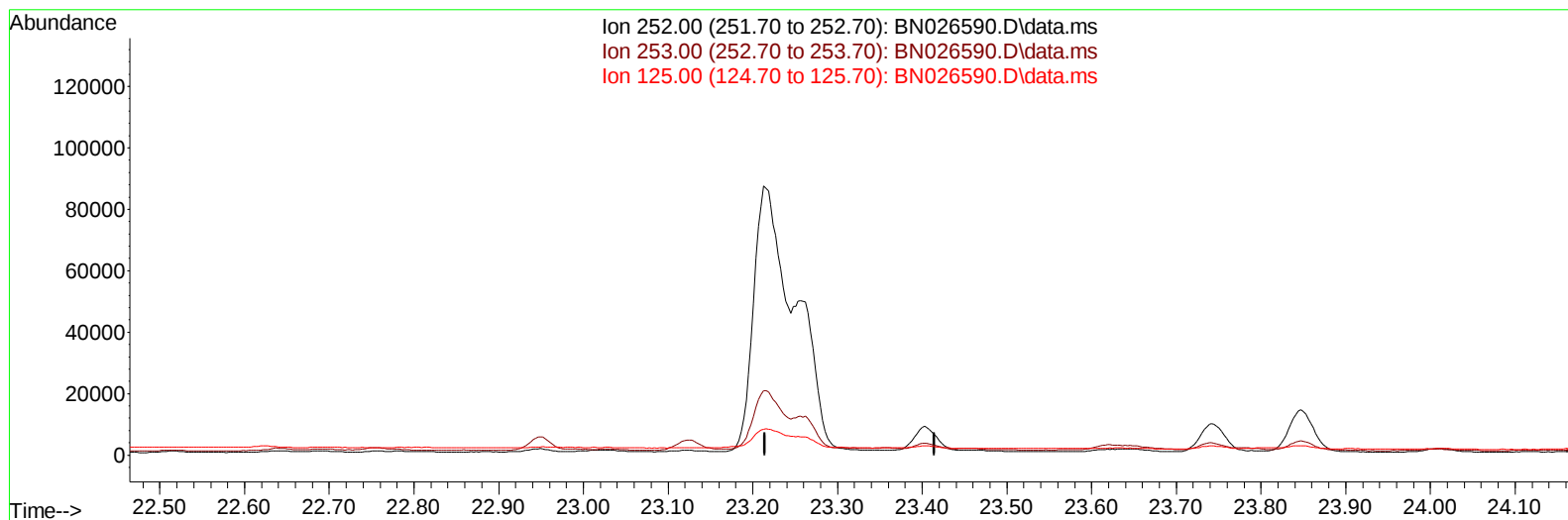
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
Data File : BN026590.D  
Acq On : 19 Jul 2023 09:08  
Operator : MA/JU  
Sample : 03501-12  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A46X7

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## (25) Benzo(k)fluoranthene

23.265min (-23.265) 0.00 ng/u1

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  |

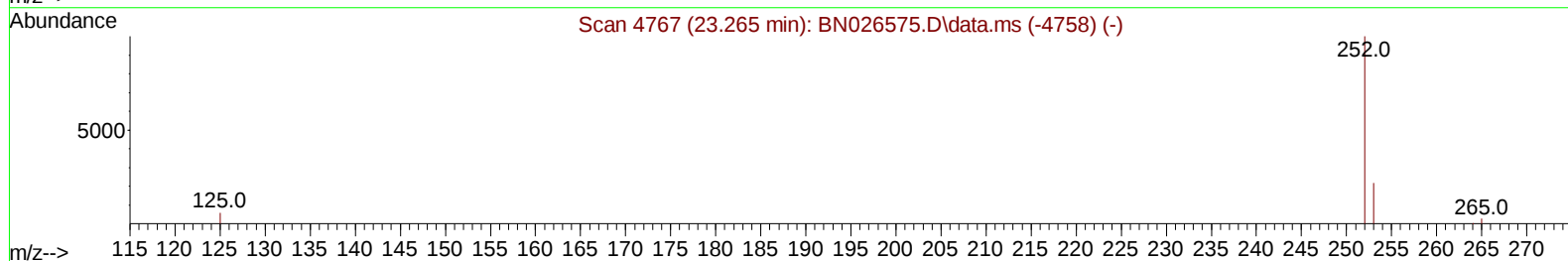
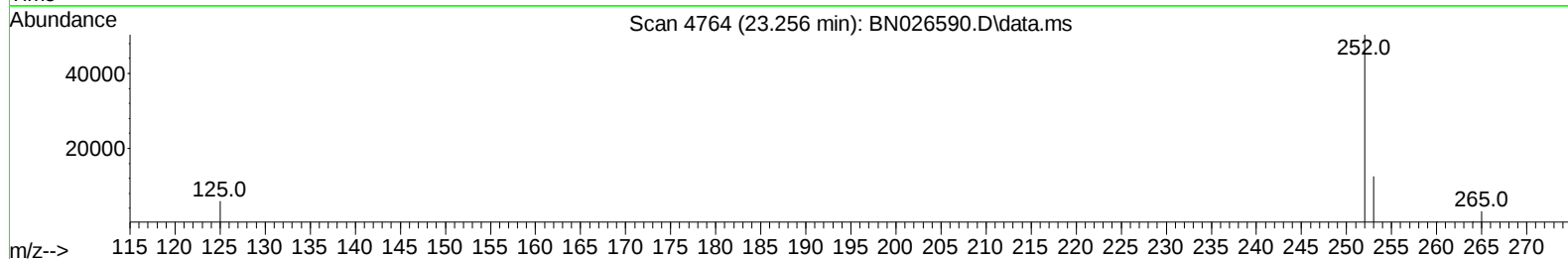
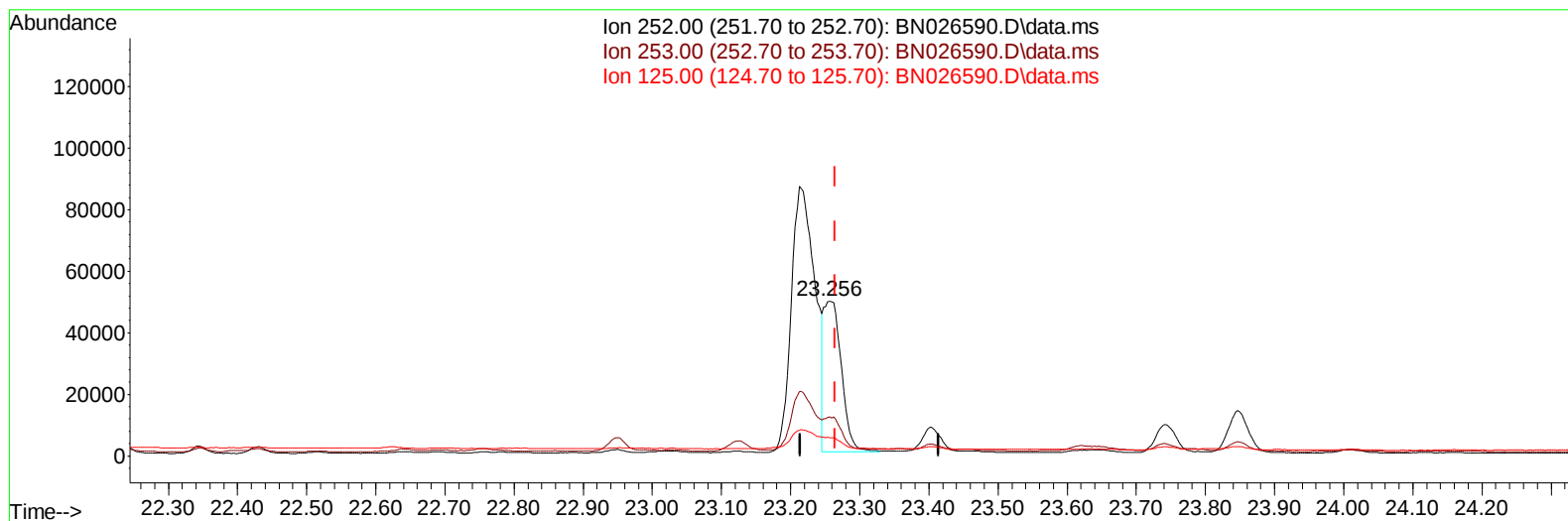
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 Data File : BN026590.D  
 Acq On : 19 Jul 2023 09:08  
 Operator : MA/JU  
 Sample : 03501-12  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN026590.D\data.ms

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

23.256min (-0.008) 2.10 ng/u1 m

response 87209

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 25.07# |
| 125.00 | 16.80  | 11.89# |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 03501-12  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46X7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.913  | 152  | 3209     | 0.400  | ng/ul  | -0.04    |
| 4) Naphthalene-d8           | 10.726 | 136  | 10083    | 0.400  | ng/ul  | #-0.02   |
| 9) Acenaphthene-d10         | 14.566 | 164  | 6959     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.343 | 188  | 116209   | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.520 | 240  | 10421    | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.955 | 264  | 10147    | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.285  | 96   | 12644    | 2.992  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.321 | 152  | 3842     | 0.280  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.350 | 212  | 8604     | 0.238  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.776 | 128  | 17836    | 0.644  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.393 | 142  | 12622    | 0.803  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.613 | 142  | 12890    | 0.766  | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.288 | 152  | 12007    | 0.352  | ng/ul# | 86       |
| 11) Acenaphthene            | 14.630 | 153  | 45377    | 1.748  | ng/ul  | 98       |
| 12) Fluorene                | 15.616 | 166  | 62798    | 2.306  | ng/ul  | 100      |
| 15) Phenanthrene            | 17.360 | 178  | 695169   | 1.878  | ng/ul  | 97       |
| 16) Anthracene              | 17.452 | 178  | 88170    | 0.275  | ng/ul  | 96       |
| 19) Fluoranthene            | 19.382 | 202  | 657357   | 13.457 | ng/ul# | 96       |
| 20) Pyrene                  | 19.745 | 202  | 324185   | 6.111  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.506 | 228  | 219777   | 5.739  | ng/ul  | 98       |
| 22) Chrysene                | 21.558 | 228  | 217474   | 4.989  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.213 | 252  | 205860m  | 5.207  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.256 | 252  | 87209m   | 2.105  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.847 | 252  | 28016    | 0.796  | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.487 | 276  | 42002    | 0.911  | ng/ul# | 81       |
| 28) Dibenzo(a,h)anthracene  | 26.494 | 278  | 25653    | 0.725  | ng/ul  | 93       |
| 29) Benzo(g,h,i)perylene    | 27.269 | 276  | 2390     | 0.059  | ng/ul# | 42       |
| -----                       |        |      |          |        |        |          |

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

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