

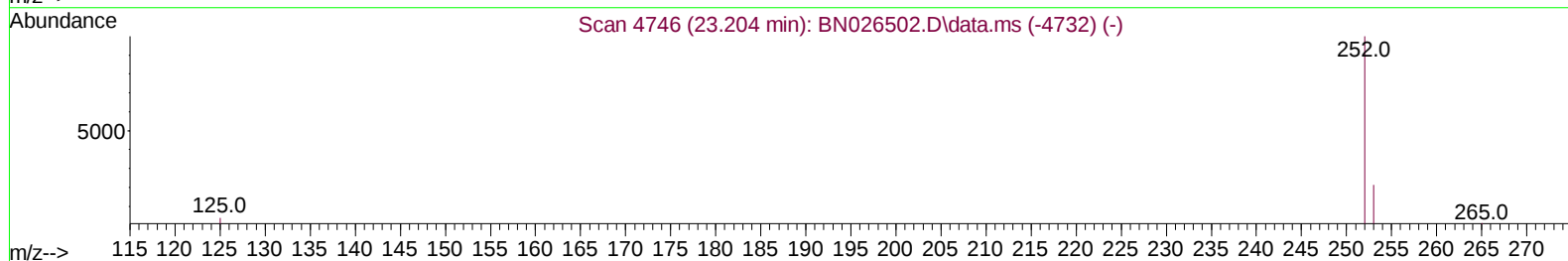
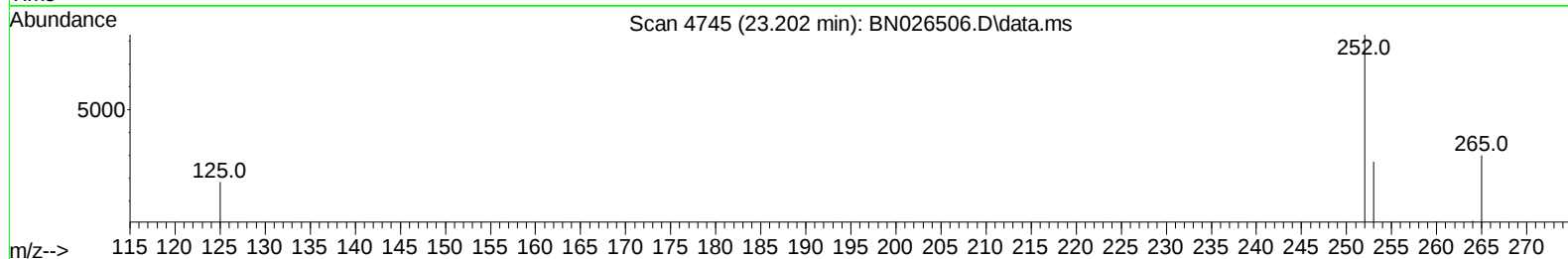
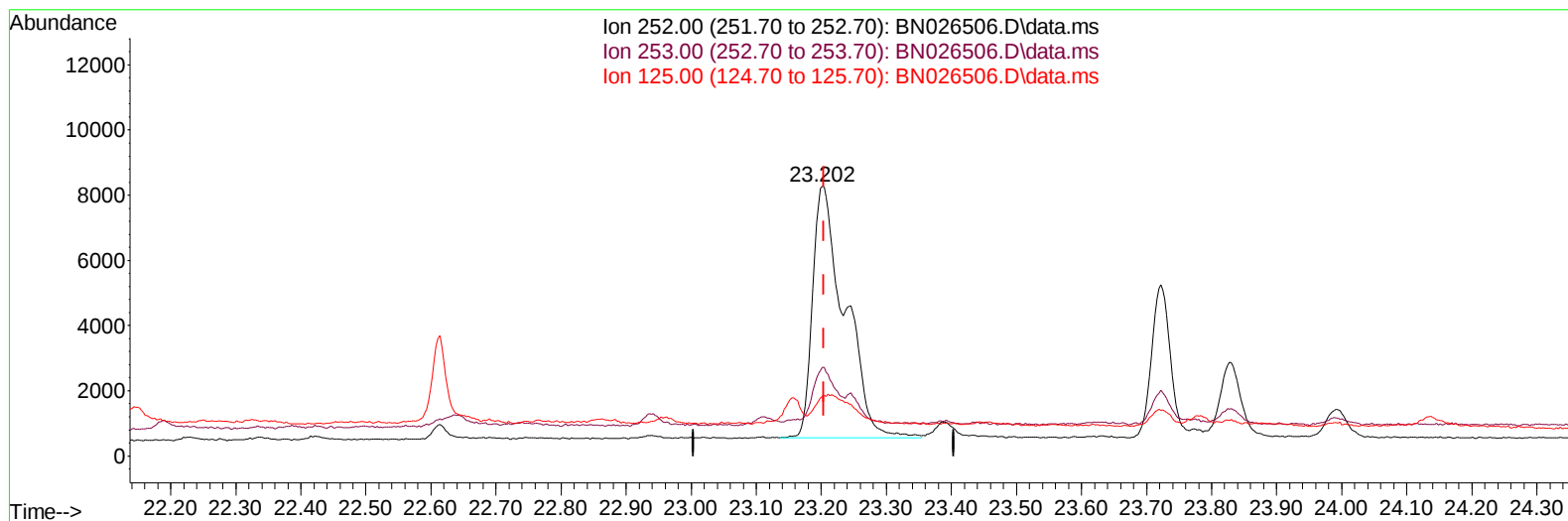
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071423\  
 Data File : BN026506.D  
 Acq On : 14 Jul 2023 18:51  
 Operator : MA/JU  
 Sample : 03418-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGZ7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 01:55:23 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 : Sat Jul 15 01:53:23 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BN026506.D\data.ms

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

23.202min (-0.002) 0.65 ng/u1

response 26582

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 32.99  |
| 125.00 | 17.00  | 22.15  |
| 0.00   | 0.00   | 0.00   |

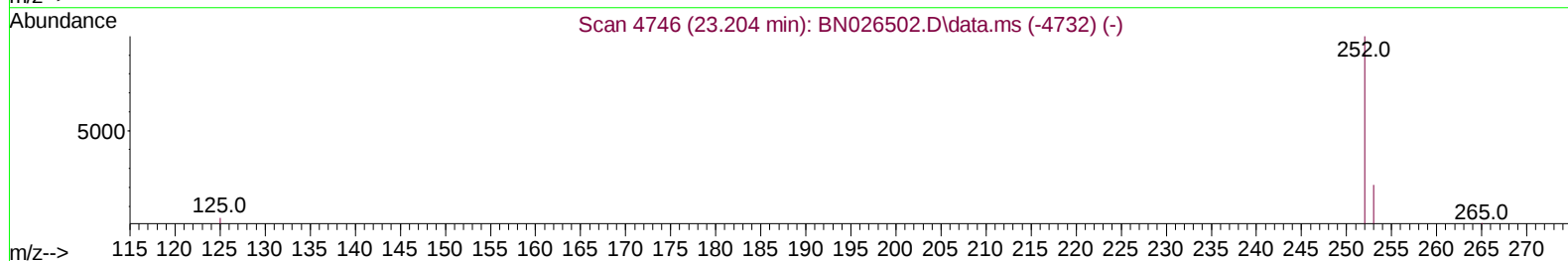
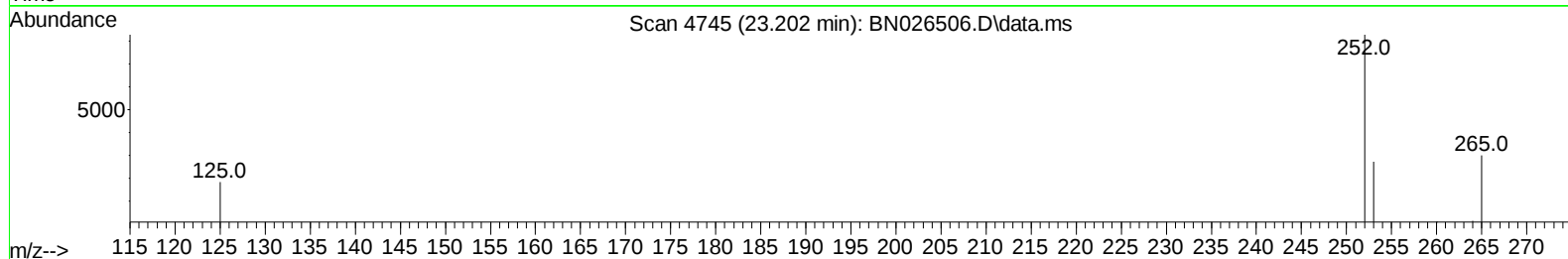
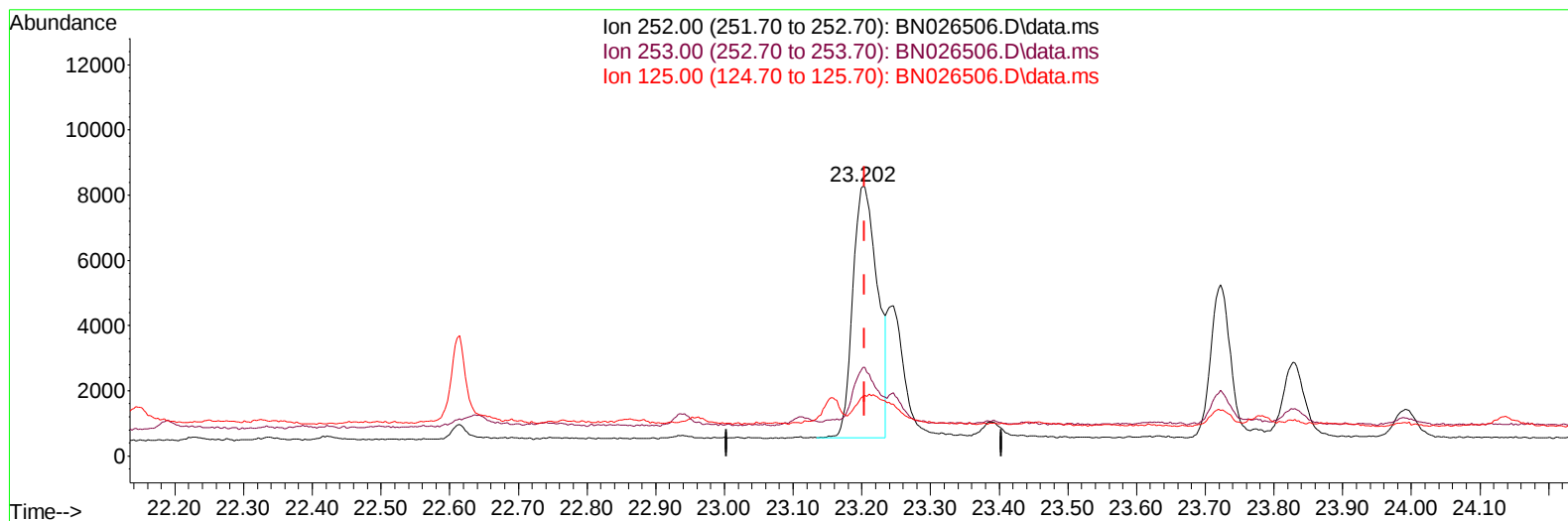
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## (24) Benzo(b)fluoranthene

23.202min (-0.002) 0.47 ng/u1 m

response 19255

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 32.99  |
| 125.00 | 17.00  | 22.15  |
| 0.00   | 0.00   | 0.00   |

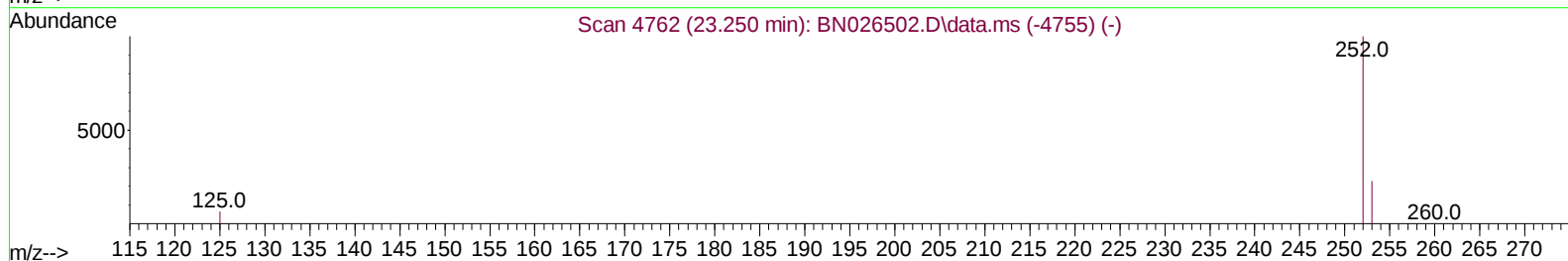
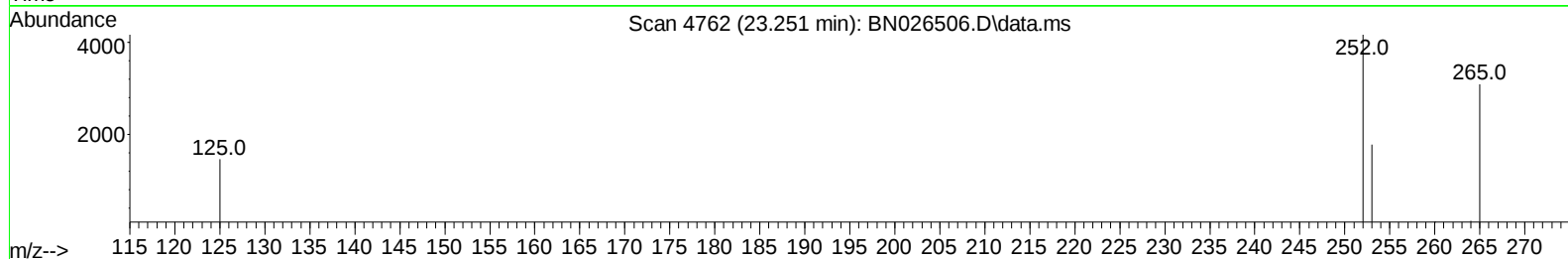
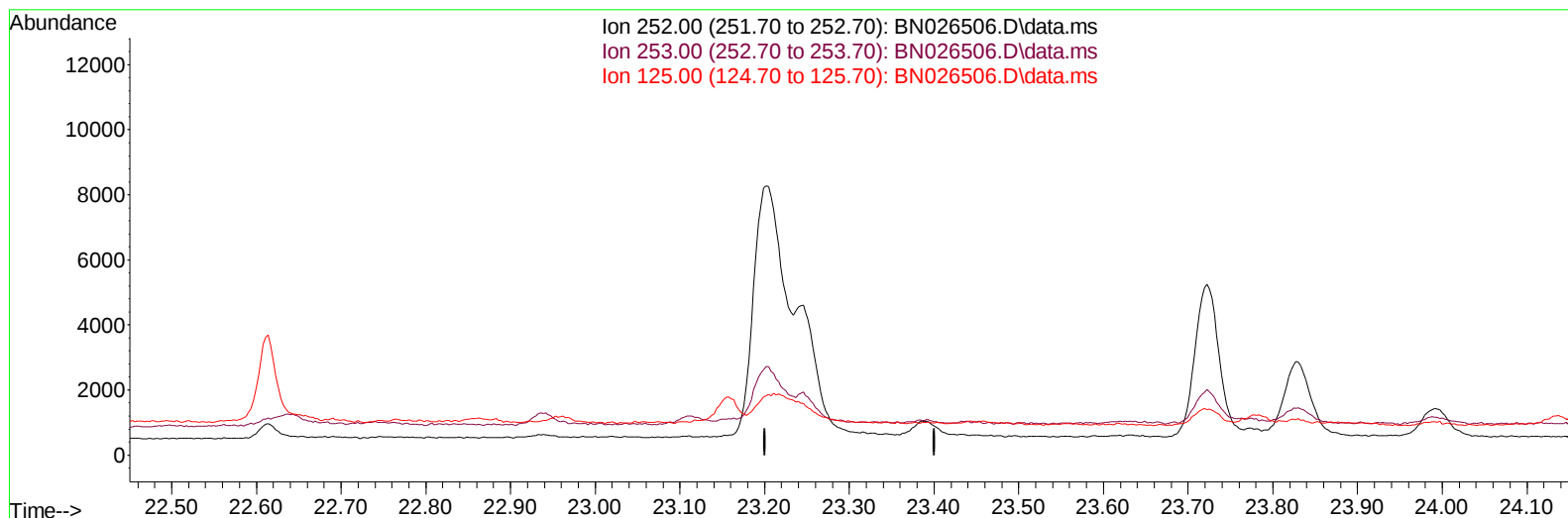
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Data File : BN026506.D  
Acq On : 14 Jul 2023 18:51  
Operator : MA/JU  
Sample : 03418-16  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DCGZ7

Manual IntegrationsAPPROVED

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TIC: BN026506.D\data.ms

(25) Benzo(k)fluoranthene

23.250min (-23.250) 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  |

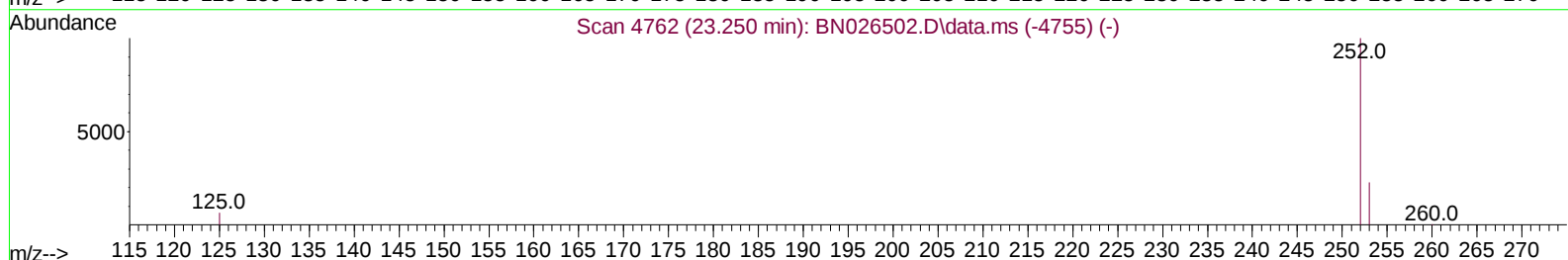
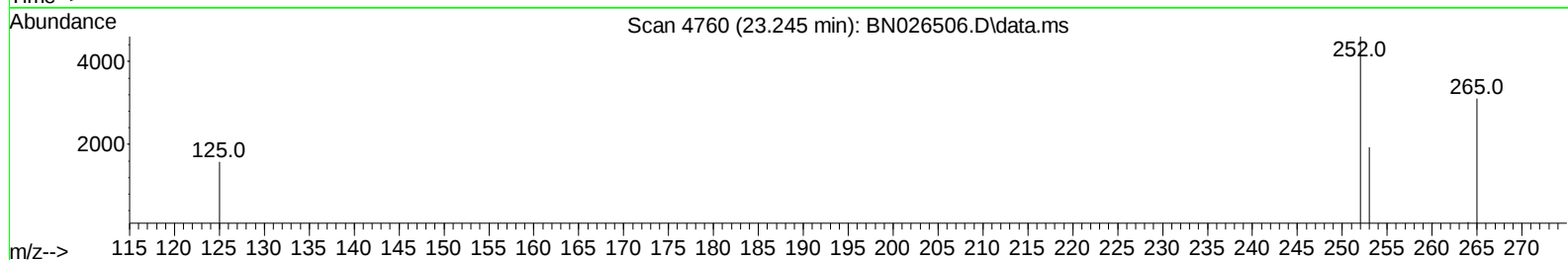
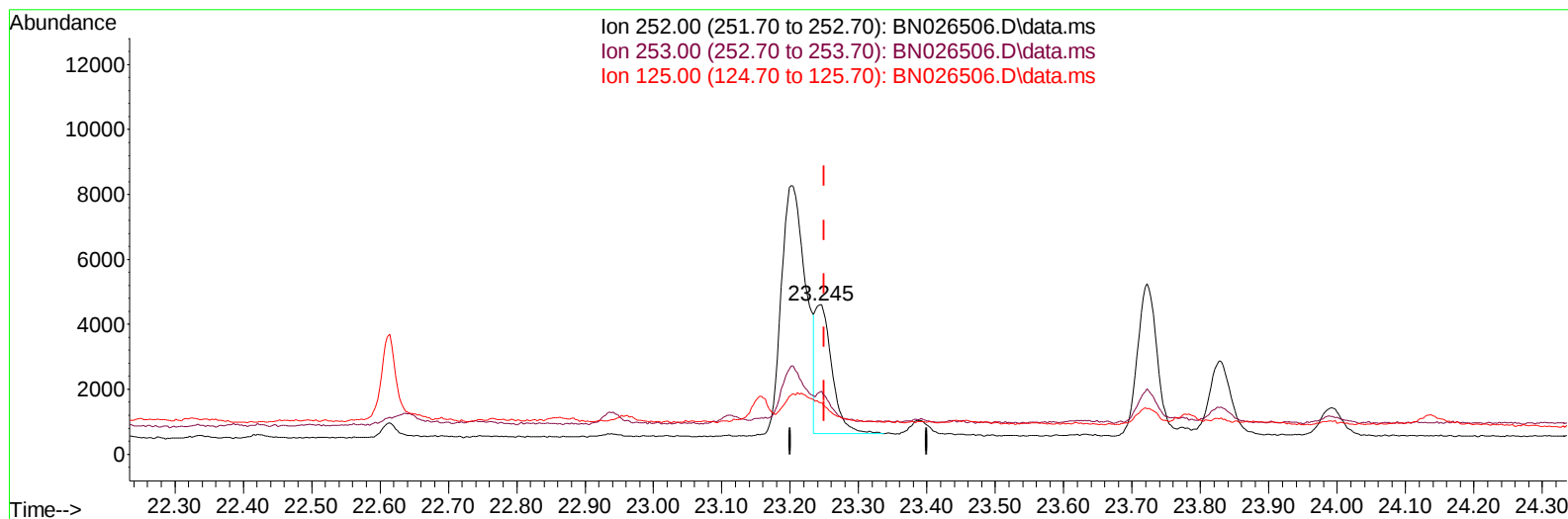
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 Operator : MA/JU  
 Sample : 03418-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGZ7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

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TIC: BN026506.D\data.ms

## (25) Benzo(k)fluoranthene

23.245min (-0.005) 0.16 ng/ul m

response 6803

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 42.05# |
| 125.00 | 16.80  | 34.35# |
| 0.00   | 0.00   | 0.00   |

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 Data File : BN026506.D  
 Acq On : 14 Jul 2023 18:51  
 Operator : MA/JU  
 Sample : 03418-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGZ7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.946  | 152 |     | 3069     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.754 | 136 |     | 9340     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.585 | 164 |     | 5861     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.331 | 188 |     | 13028    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.521 | 240 |     | 11707    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.938 | 264 |     | 10521    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.301  | 96  |     | 2706     | 0.669 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.348 | 152 |     | 3033     | 0.239 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.360 | 212 |     | 8352     | 0.206 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.803 | 128 |     | 10858    | 0.423 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.420 | 142 |     | 588      | 0.040 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.634 | 142 |     | 312      | 0.020 | ng/ul  | 96       |
| 12) Fluorene                | 15.635 | 166 |     | 488      | 0.021 | ng/ul# | 85       |
| 15) Phenanthrene            | 17.373 | 178 |     | 10627    | 0.256 | ng/ul  | 99       |
| 16) Anthracene              | 17.466 | 178 |     | 1570     | 0.044 | ng/ul# | 74       |
| 19) Fluoranthene            | 19.387 | 202 |     | 34428    | 0.627 | ng/ul  | 98       |
| 20) Pyrene                  | 19.750 | 202 |     | 28496    | 0.478 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.503 | 228 |     | 10847    | 0.252 | ng/ul  | 98       |
| 22) Chrysene                | 21.559 | 228 |     | 15492    | 0.316 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.202 | 252 |     | 19255m   | 0.470 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.245 | 252 |     | 6803m    | 0.158 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.827 | 252 |     | 5056     | 0.139 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.458 | 276 |     | 7322     | 0.153 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.464 | 278 |     | 1593     | 0.043 | ng/ul# | 7        |
| 29) Benzo(g,h,i)perylene    | 27.239 | 276 |     | 7208     | 0.171 | ng/ul  | 94       |
| -----                       |        |     |     |          |       |        |          |

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

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