

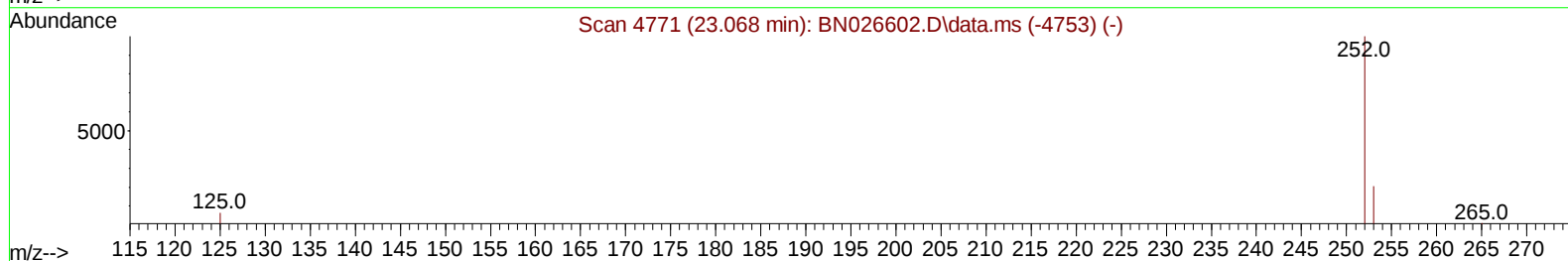
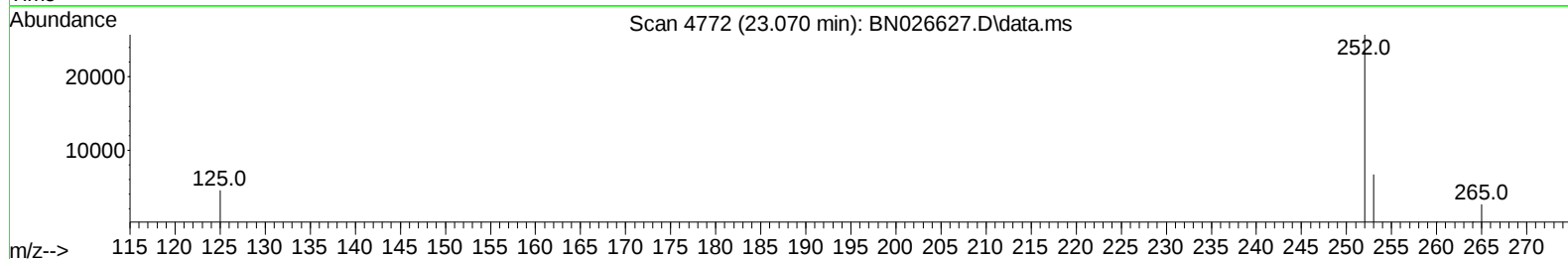
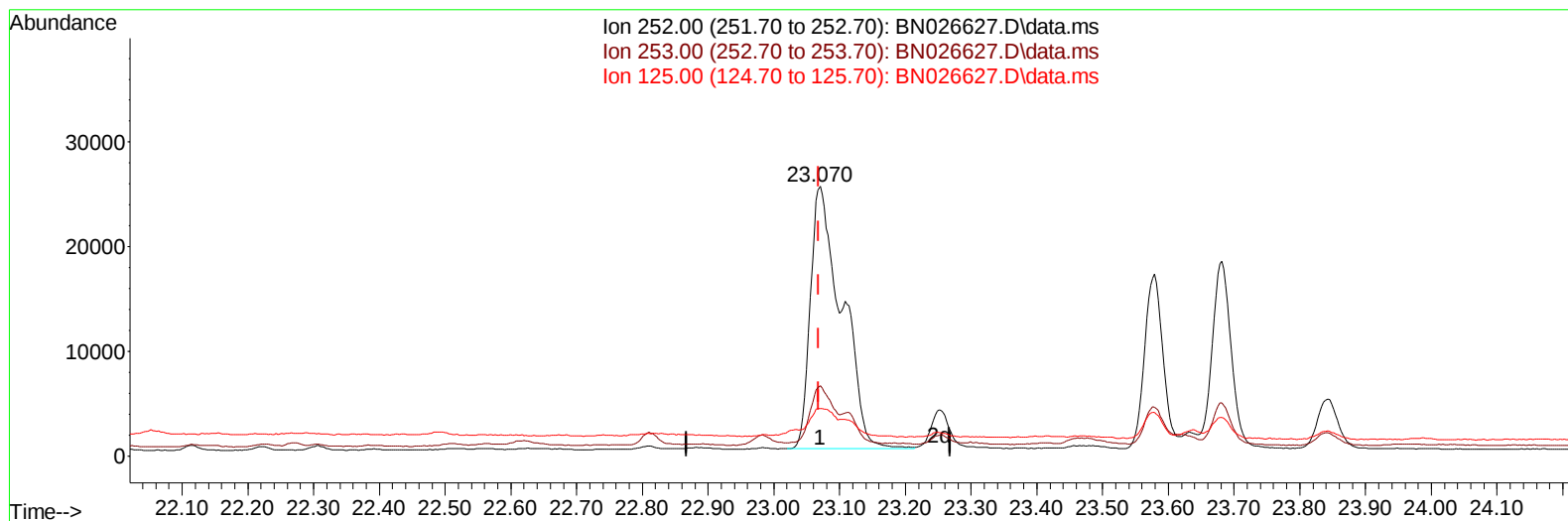
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072023\  
 Data File : BN026627.D  
 Acq On : 21 Jul 2023 13:56  
 Operator : MA/JU  
 Sample : 03472-22  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46R3

Manual IntegrationsAPPROVED

Quant Time: Jul 21 16:01:46 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 : Thu Jul 20 22:32:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2023  
 Supervised By :mohammad ahmed 07/22/2023



TIC: BN026627.D\data.ms

(24) Benzo(b)fluoranthene

23.070min (+ 0.002) 1.94 ng/u1

response 83288

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 26.06  |
| 125.00 | 17.00  | 17.64  |
| 0.00   | 0.00   | 0.00   |

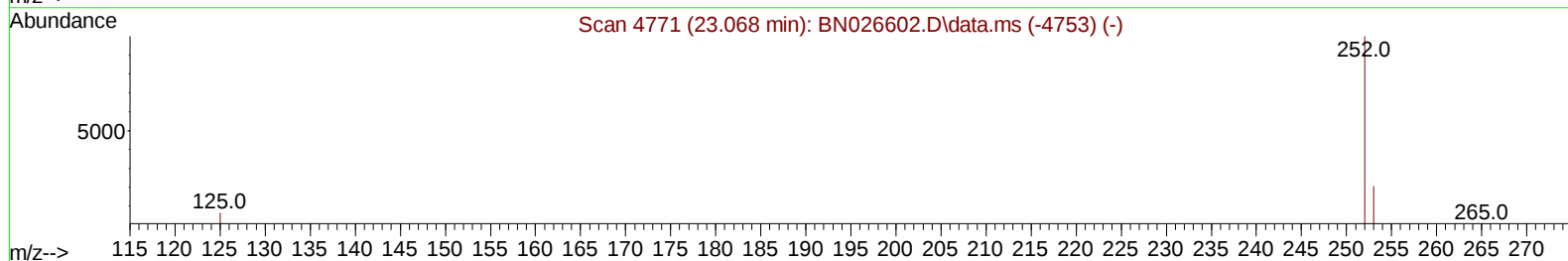
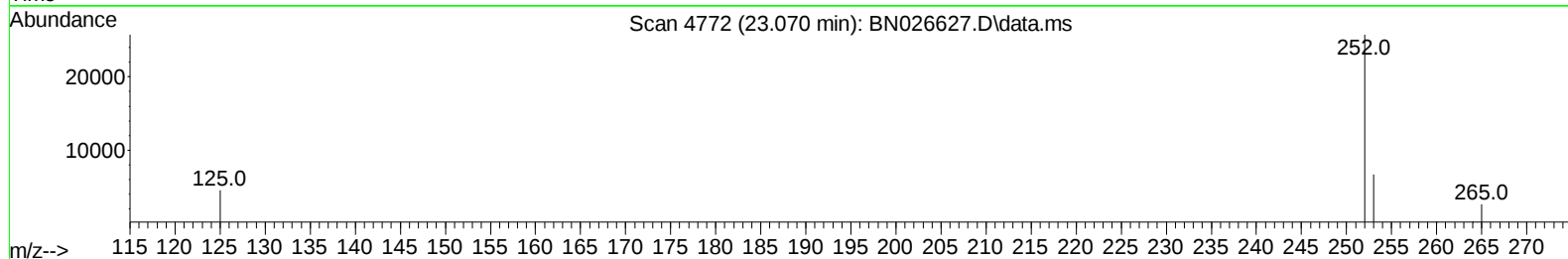
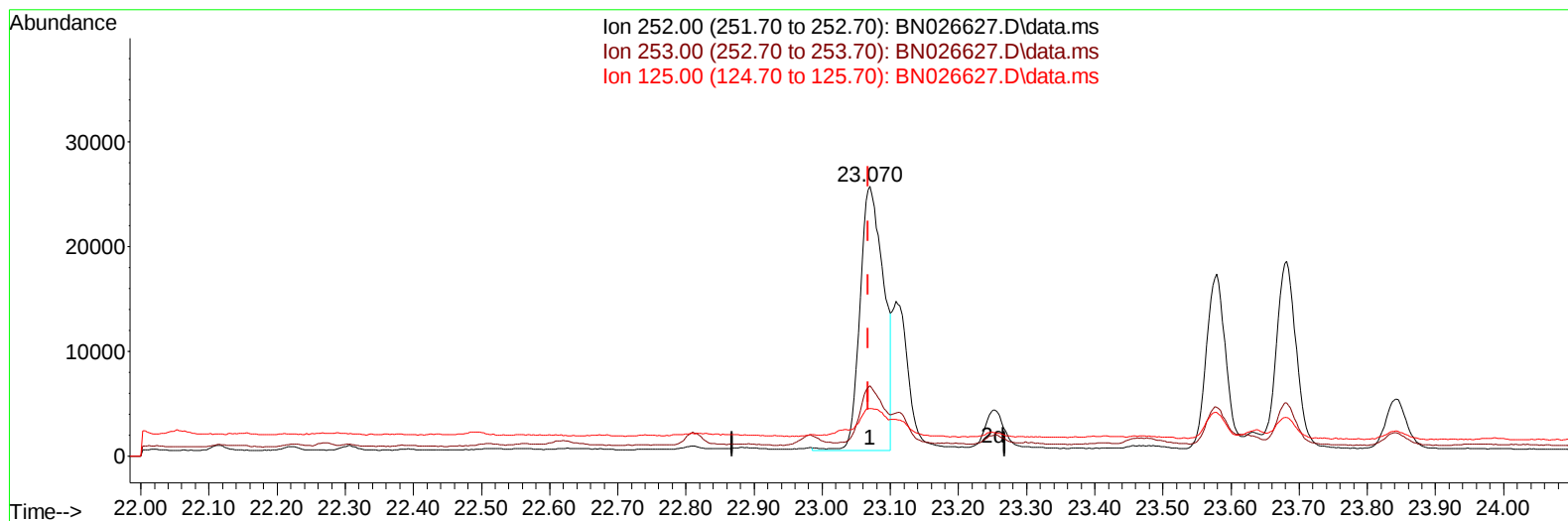
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(24) Benzo(b)fluoranthene

23.070min (+ 0.002) 1.41 ng/ul m

response 60588

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.30  | 26.06  |
| 125.00 | 17.00  | 17.64  |
| 0.00   | 0.00   | 0.00   |

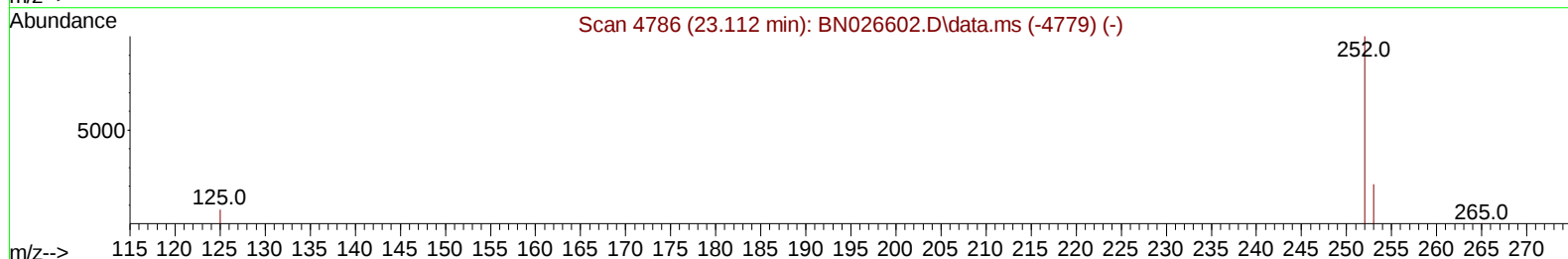
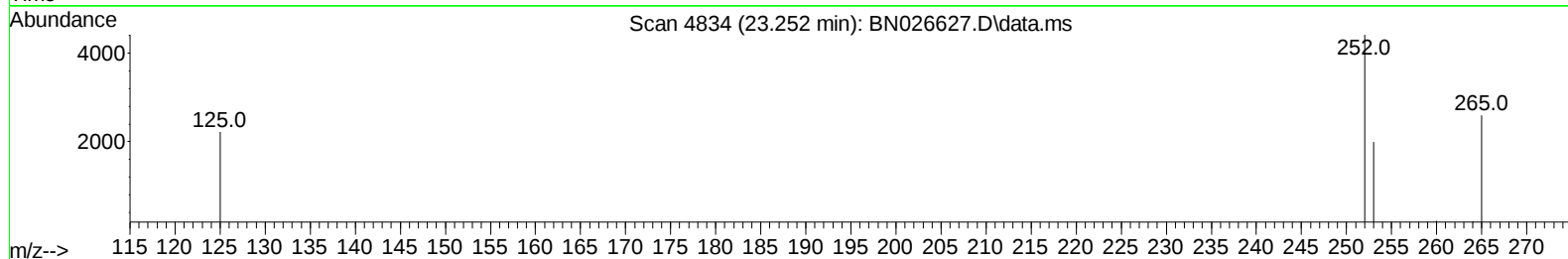
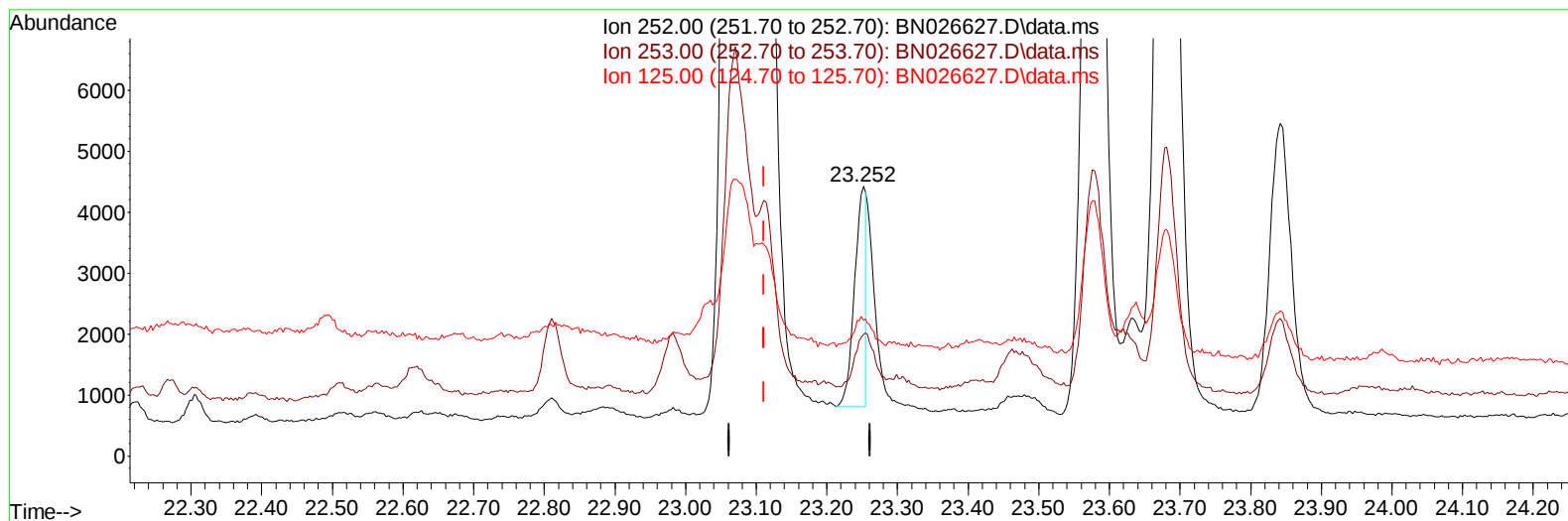
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Operator : MA/JU  
Sample : 03472-22  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A46R3

Manual IntegrationsAPPROVED

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TIC: BN026627.D\data.ms

(25) Benzo(k)fluoranthene

23.252min (+ 0.140) 0.09 ng/u1

response 3958

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 45.21# |
| 125.00 | 16.80  | 50.33# |
| 0.00   | 0.00   | 0.00   |

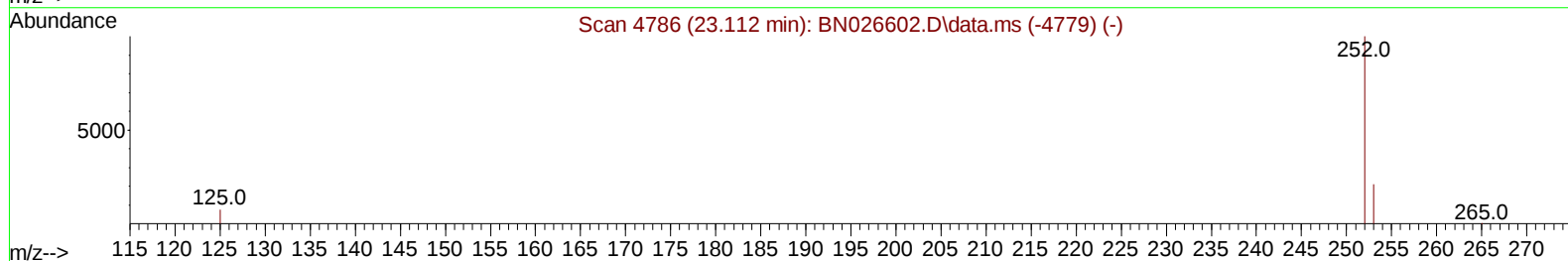
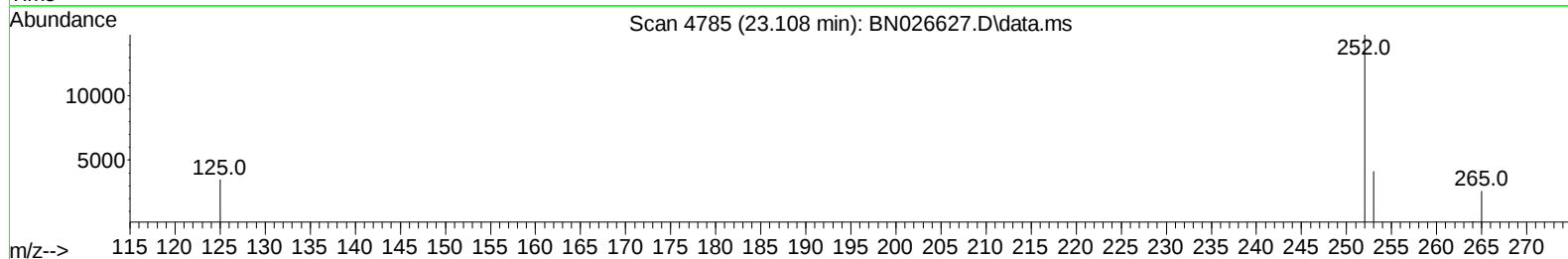
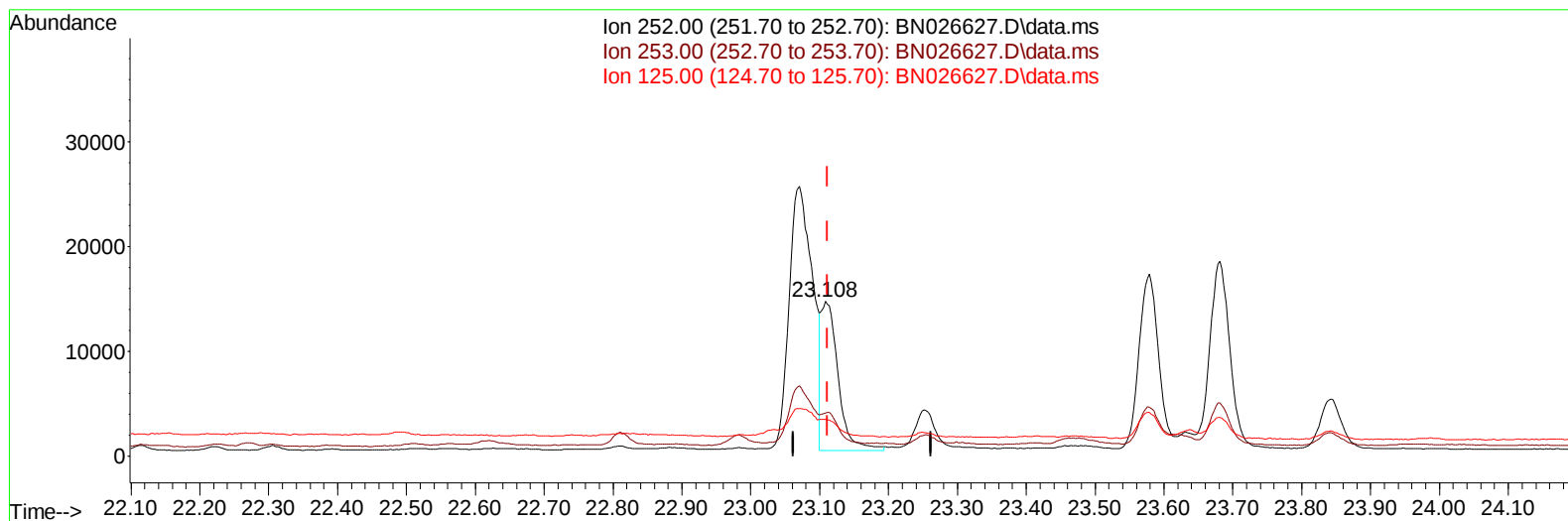
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN026627.D\data.ms

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

23.108min (-0.003) 0.54 ng/u1 m

response 24446

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 27.89  |
| 125.00 | 16.80  | 23.67# |
| 0.00   | 0.00   | 0.00   |

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 Sample : 03472-22  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46R3

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/22/2023

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.831  | 152  | 2769     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.630 | 136  | 9172     | 0.400 | ng/ul  | #-0.02   |
| 9) Acenaphthene-d10         | 14.471 | 164  | 5999     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.219 | 188  | 24770    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.416 | 240  | 11746    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.792 | 264  | 11044    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 10290    | 2.822 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.225 | 152  | 5423     | 0.435 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.250 | 212  | 16878    | 0.414 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.685 | 128  | 1497     | 0.059 | ng/ul# | 80       |
| 7) 2-Methylnaphthalene      | 12.302 | 142  | 537      | 0.038 | ng/ul  | 94       |
| 8) 1-Methylnaphthalene      | 12.516 | 142  | 1325     | 0.087 | ng/ul  | 85       |
| 10) Acenaphthylene          | 14.189 | 152  | 3505     | 0.119 | ng/ul# | 85       |
| 12) Fluorene                | 15.517 | 166  | 3958     | 0.169 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.257 | 178  | 51487    | 0.653 | ng/ul  | 98       |
| 16) Anthracene              | 17.350 | 178  | 7307     | 0.107 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.278 | 202  | 106985   | 1.943 | ng/ul  | 99       |
| 20) Pyrene                  | 19.640 | 202  | 105357   | 1.762 | ng/ul# | 96       |
| 21) Benzo(a)anthracene      | 21.399 | 228  | 45038    | 1.043 | ng/ul  | 97       |
| 22) Chrysene                | 21.451 | 228  | 54687    | 1.113 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.070 | 252  | 60588m   | 1.408 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.108 | 252  | 24446m   | 0.542 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.681 | 252  | 36286    | 0.947 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.243 | 276  | 26696    | 0.532 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.250 | 278  | 5982     | 0.155 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 26.998 | 276  | 26682    | 0.602 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

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