

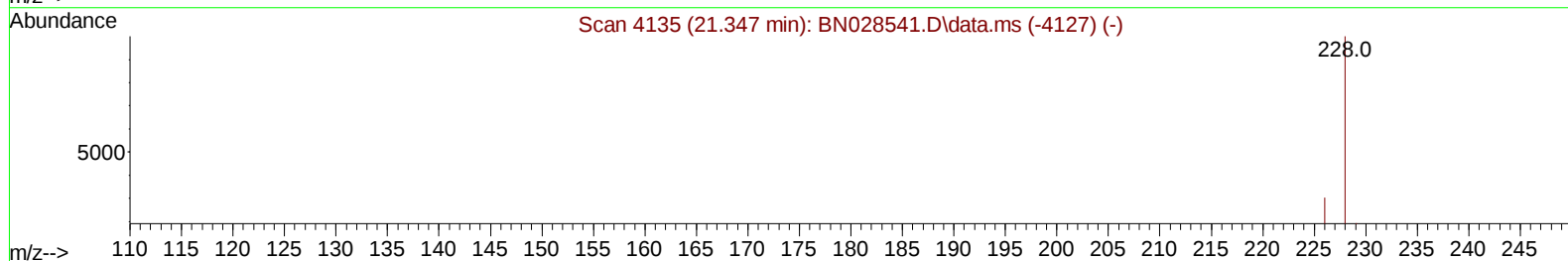
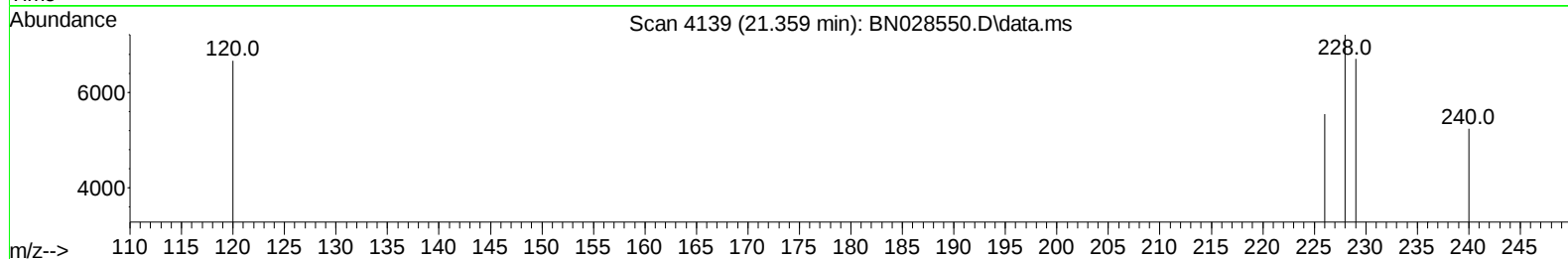
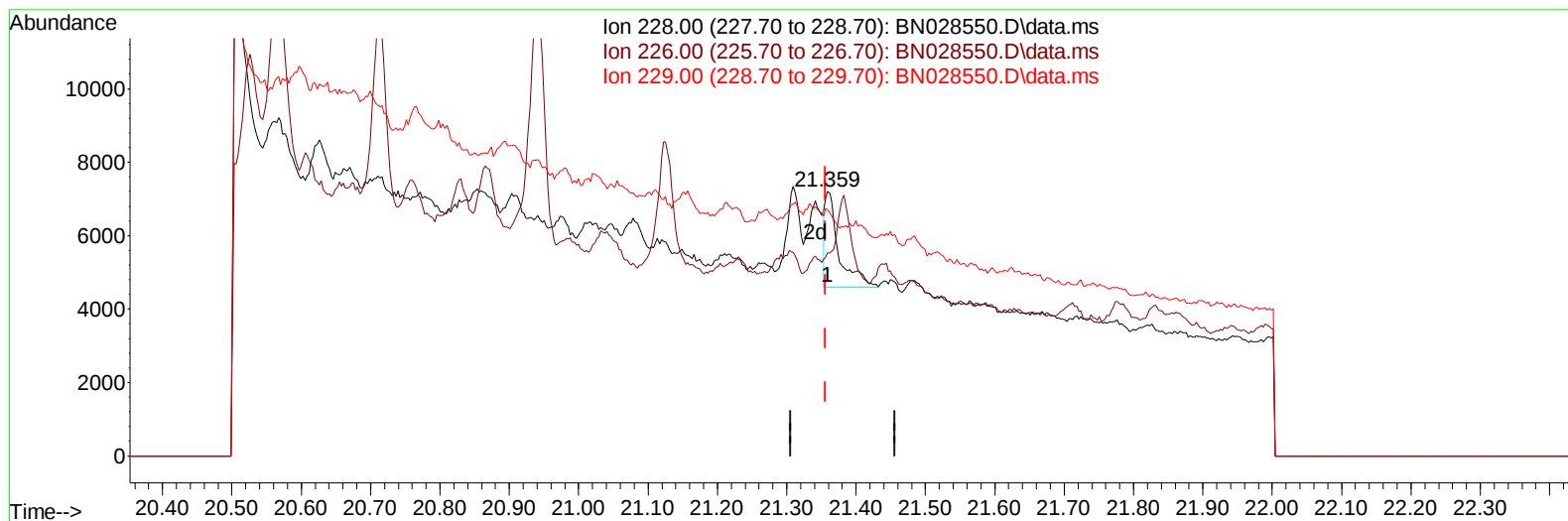
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110923\  
 Data File : BN028550.D  
 Acq On : 10 Nov 2023 10:45  
 Operator : MA/JU  
 Sample : 05044-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHEH4

Manual IntegrationsAPPROVED

Quant Time: Nov 10 23:26:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 09 16:30:32 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/11/2023  
 Supervised By :mohammad ahmed 11/11/2023



TIC: BN028550.D\data.ms

(22) Chrysene

21.359min (+ 0.003) 0.04 ng/u1

response 3582

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.80  | 76.84# |
| 229.00 | 19.30  | 92.96# |
| 0.00   | 0.00   | 0.00   |

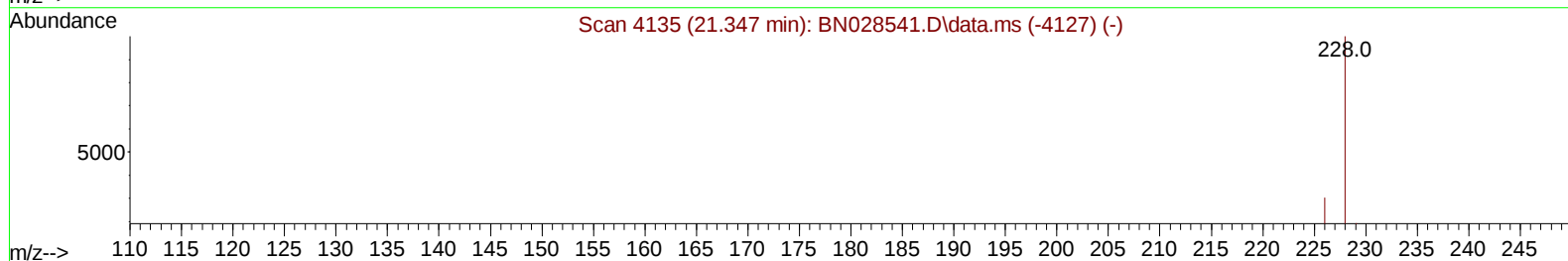
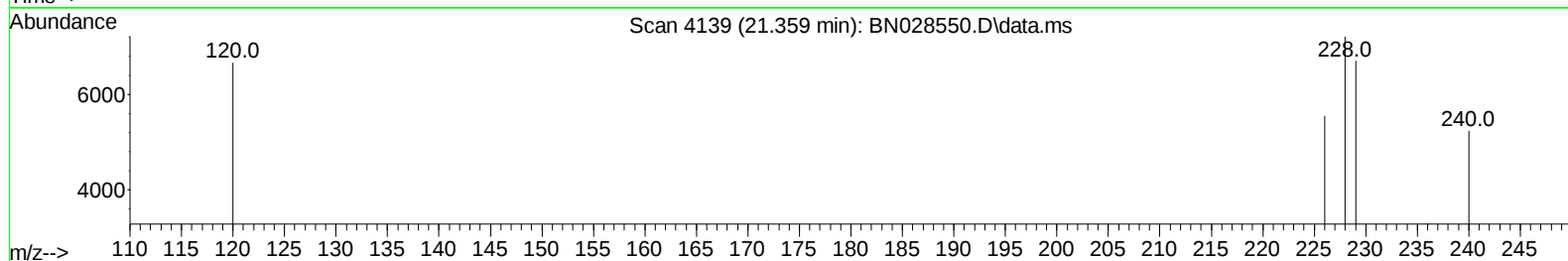
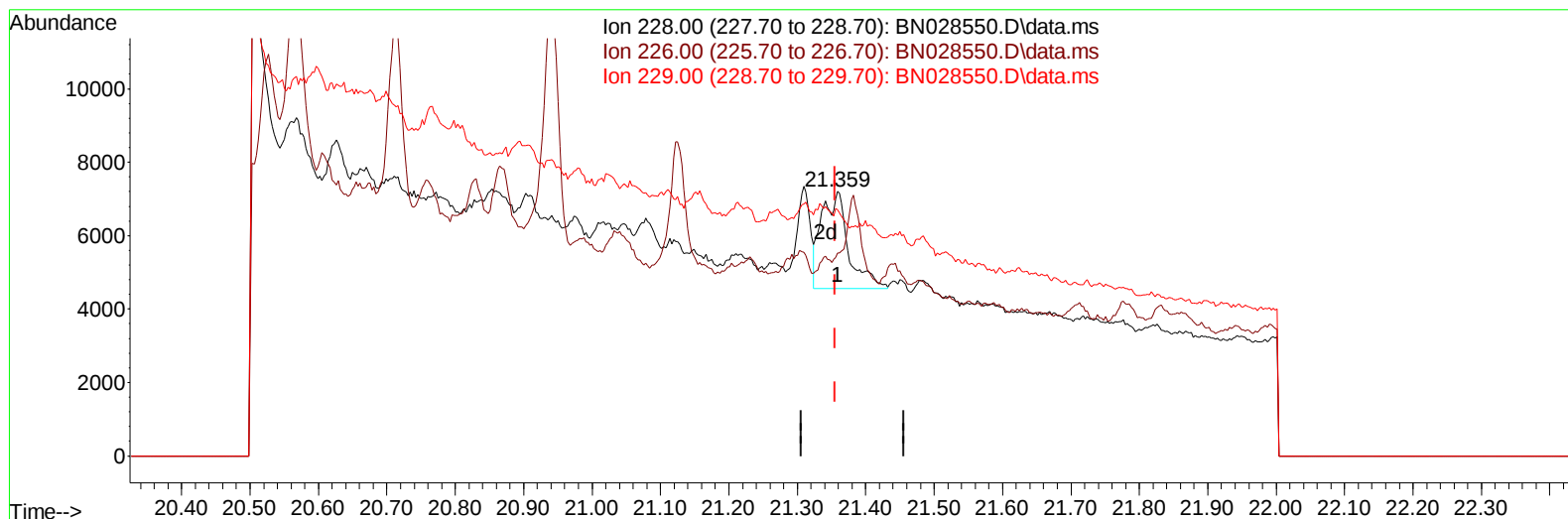
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 Operator : MA/JU  
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 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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 BHEH4

Manual IntegrationsAPPROVED

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TIC: BN028550.D\data.ms

(22) Chrysene

21.359min (+ 0.003) 0.08 ng/u1 m

response 7230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.80  | 76.84# |
| 229.00 | 19.30  | 92.96# |
| 0.00   | 0.00   | 0.00   |

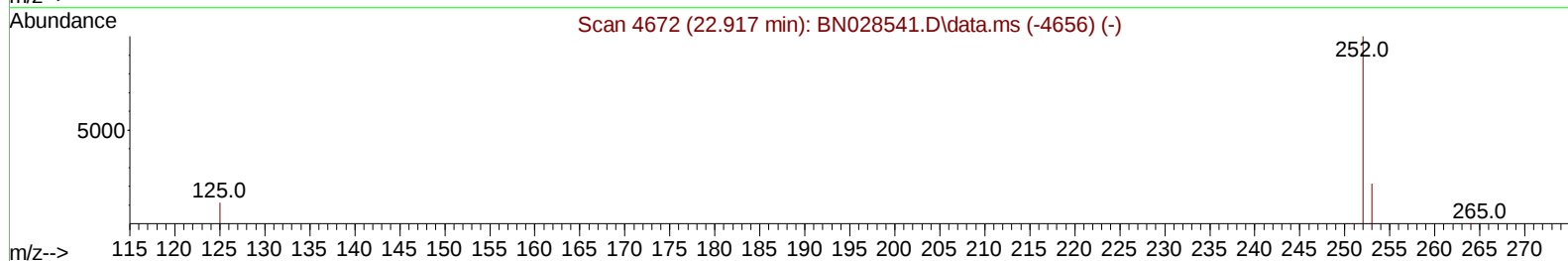
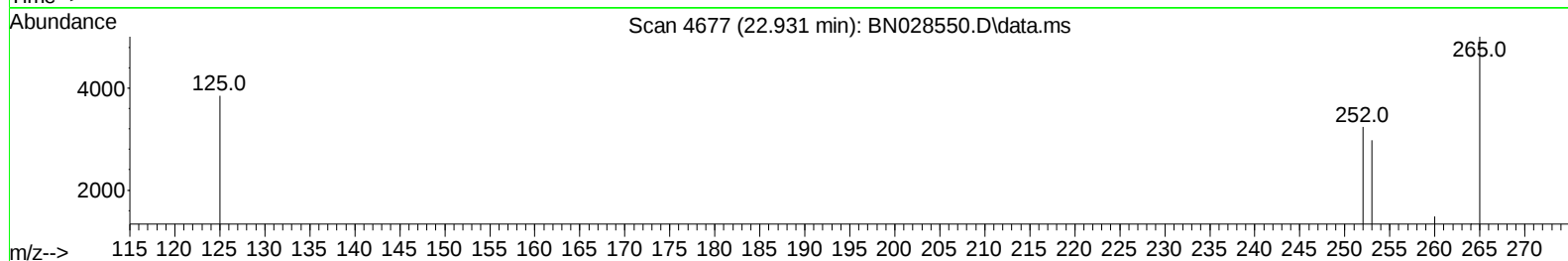
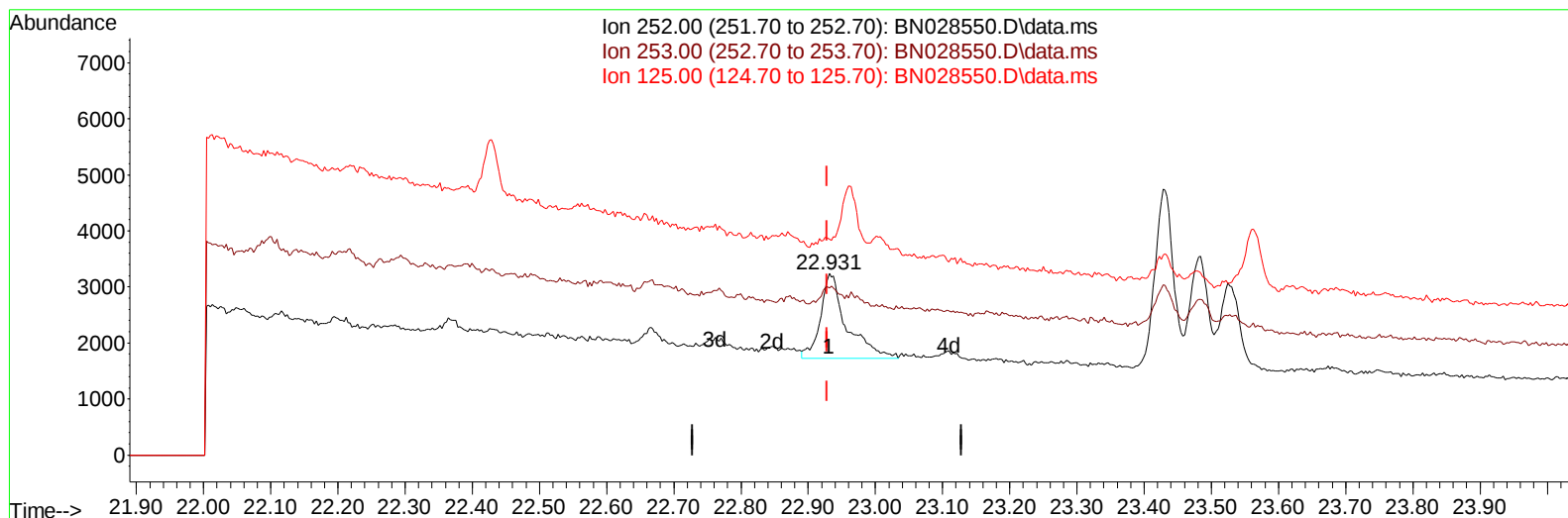
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 Operator : MA/JU  
 Sample : 05044-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHEH4

Manual IntegrationsAPPROVED

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TIC: BN028550.D\data.ms

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

22.931min (+ 0.003) 0.05 ng/u1

response 4064

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.30  | 92.15#  |
| 125.00 | 13.80  | 118.94# |
| 0.00   | 0.00   | 0.00    |

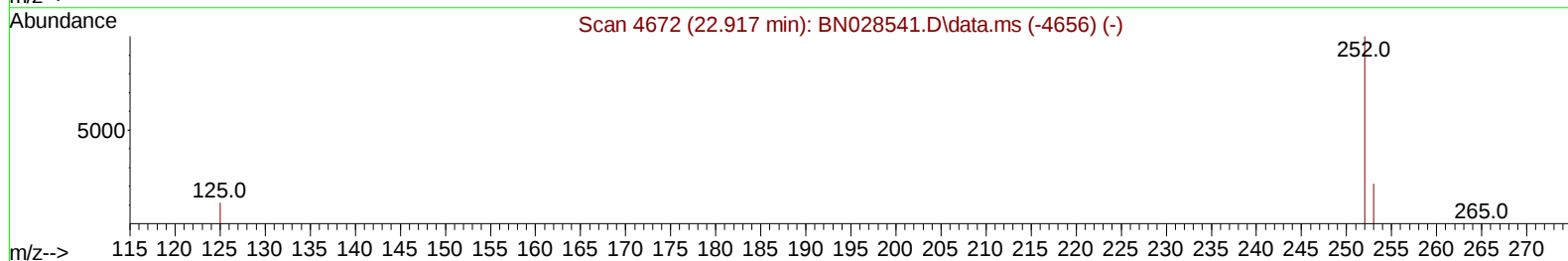
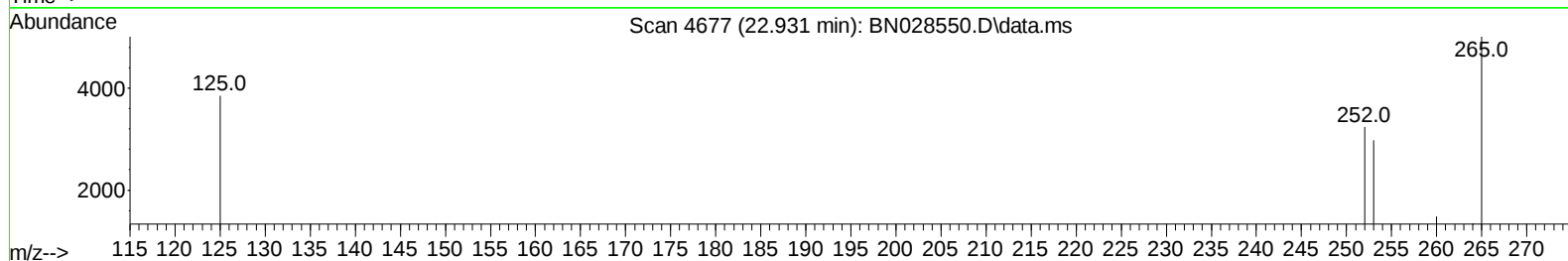
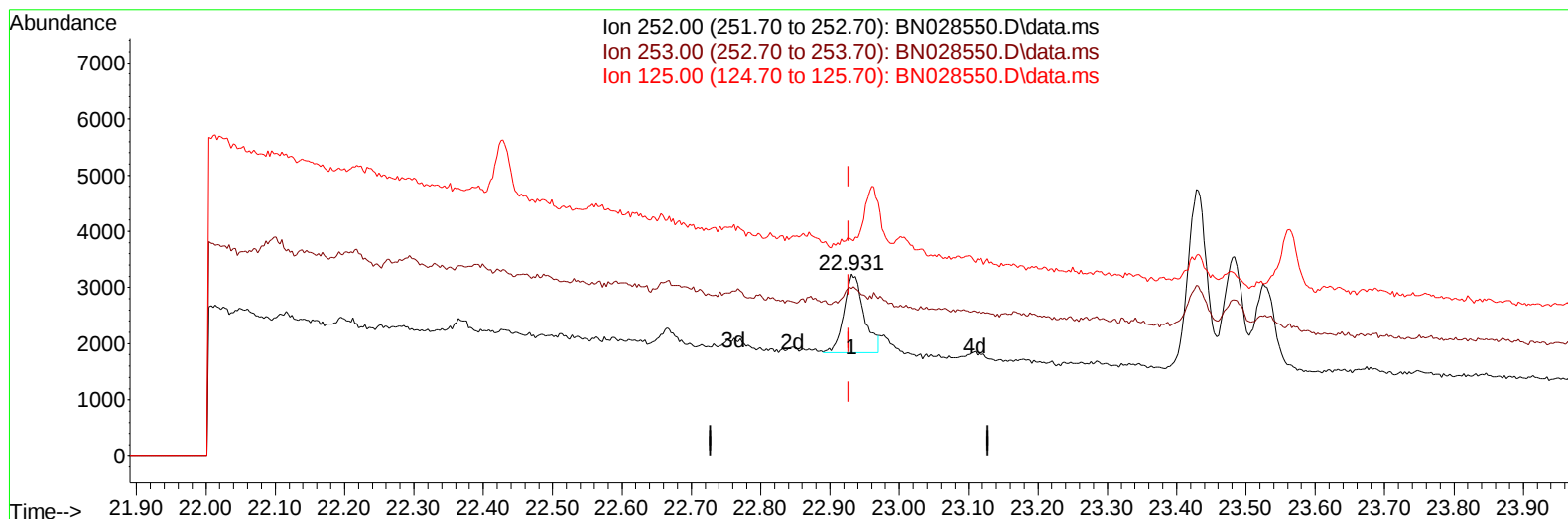
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110923\  
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 Sample : 05044-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHEH4

Manual IntegrationsAPPROVED

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TIC: BN028550.D\data.ms

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

22.931min (+ 0.003) 0.03 ng/u1 m

response 2826

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.30  | 92.15#  |
| 125.00 | 13.80  | 118.94# |
| 0.00   | 0.00   | 0.00    |

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 Data File : BN028550.D  
 Acq On : 10 Nov 2023 10:45  
 Operator : MA/JU  
 Sample : 05044-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHEH4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2023  
 Supervised By :mohammad ahmed 11/11/2023

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| Compound                    | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                       |        |     |     |          |        |        |          |
| Internal Standards          |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.703  | 152 |     | 10131    | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.496 | 136 |     | 36573    | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.372 | 164 |     | 22641    | 0.400  | ng/ul  | # 0.02   |
| 13) Phenanthrene-d10        | 17.124 | 188 |     | 38922    | 0.400  | ng/ul  | # 0.02   |
| 17) Chrysene-d12            | 21.324 | 240 |     | 23985    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.630 | 264 |     | 22381    | 0.400  | ng/ul  | # 0.00   |
|                             |        |     |     |          |        |        |          |
| System Monitoring Compounds |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96  |     | 37483    | 3.348  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.102 | 152 |     | 48138    | 0.874  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.160 | 212 |     | 24587    | 0.319  | ng/ul  | 0.02     |
|                             |        |     |     |          |        |        |          |
| Target Compounds            |        |     |     |          | Qvalue |        |          |
| 5) Naphthalene              | 10.557 | 128 |     | 28524    | 0.278  | ng/ul# | 1        |
| 8) 1-Methylnaphthalene      | 12.394 | 142 |     | 50541    | 0.737  | ng/ul  | 100      |
| 12) Fluorene                | 15.418 | 166 |     | 51307    | 0.530  | ng/ul# | 71       |
| 20) Pyrene                  | 19.555 | 202 |     | 26808    | 0.254  | ng/ul# | 58       |
| 21) Benzo(a)anthracene      | 21.309 | 228 |     | 2975     | 0.031  | ng/ul# | 1        |
| 22) Chrysene                | 21.359 | 228 |     | 7230m    | 0.078  | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.931 | 252 |     | 2826m    | 0.034  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.525 | 252 |     | 3124     | 0.039  | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 25.997 | 276 |     | 1809     | 0.021  | ng/ul# | 72       |
| 29) Benzo(g,h,i)perylene    | 26.718 | 276 |     | 3737     | 0.052  | ng/ul# | 31       |
| -----                       |        |     |     |          |        |        |          |

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

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