

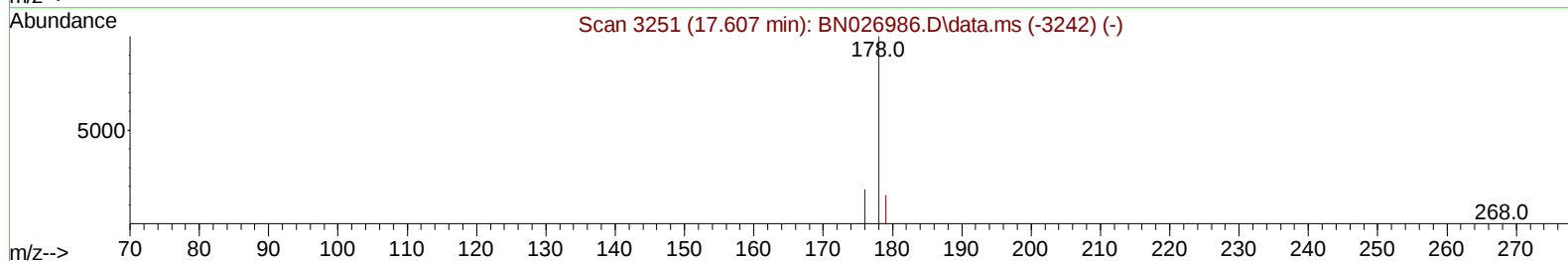
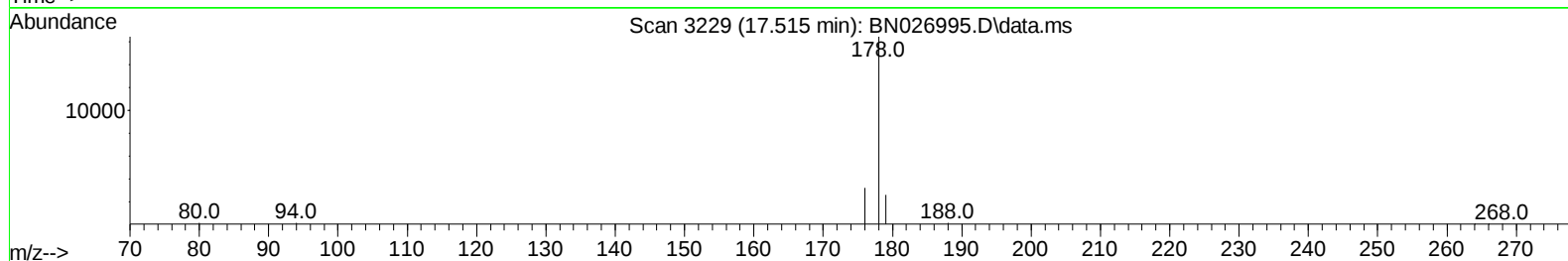
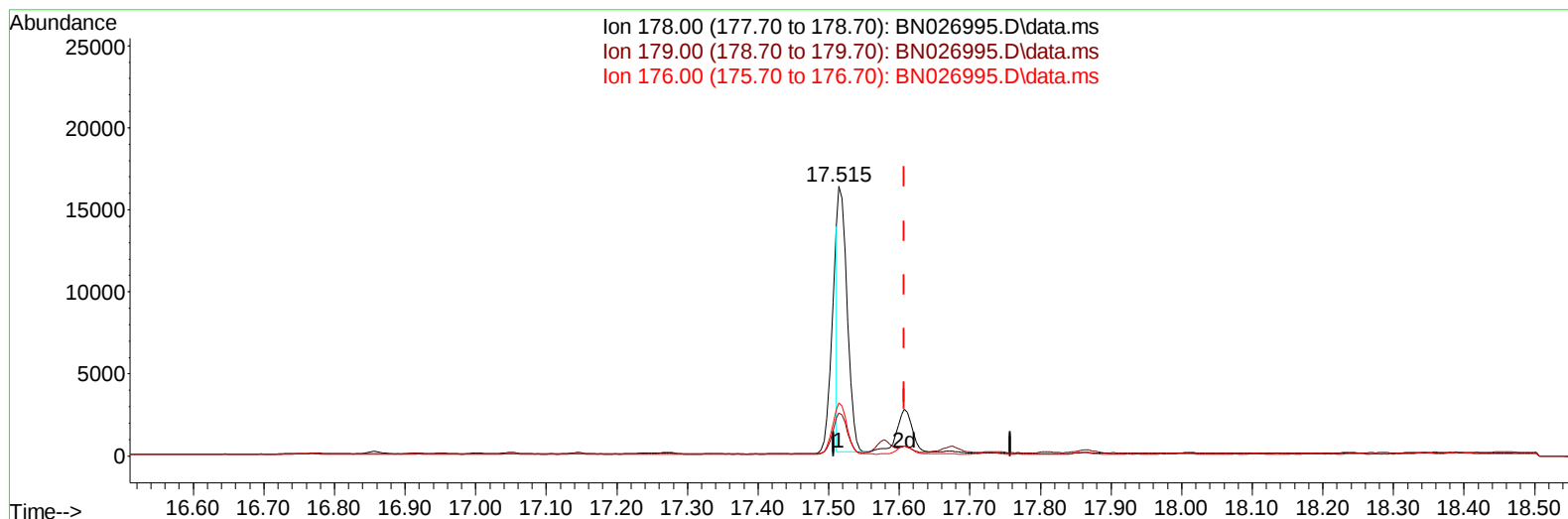
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
Data File : BN026995.D  
Acq On : 21 Aug 2023 16:32  
Operator : MA/JU  
Sample : 03967-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48K5

Manual IntegrationsAPPROVED

Quant Time: Aug 22 01:39:12 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 18 13:11:26 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



TIC: BN026995.D\data.ms

(16) Anthracene

17.515min (-0.093) 0.16 ng/u1

response 14833

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.80  | 15.89  |
| 176.00 | 18.80  | 19.72  |
| 0.00   | 0.00   | 0.00   |

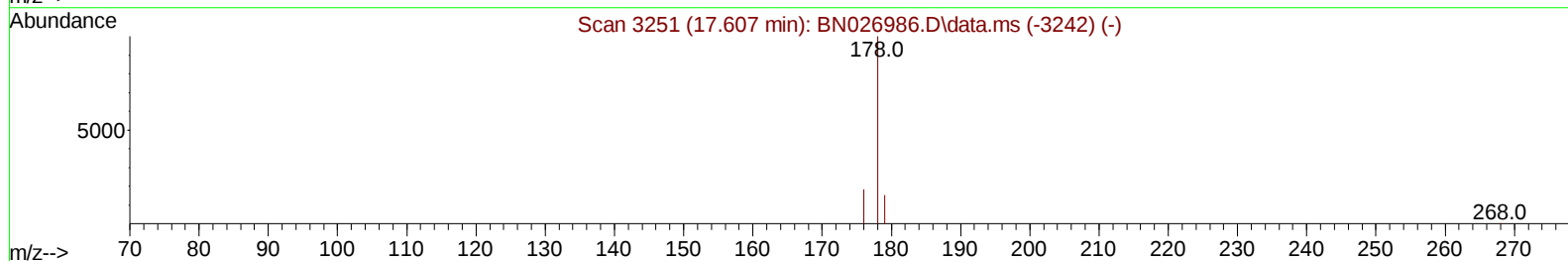
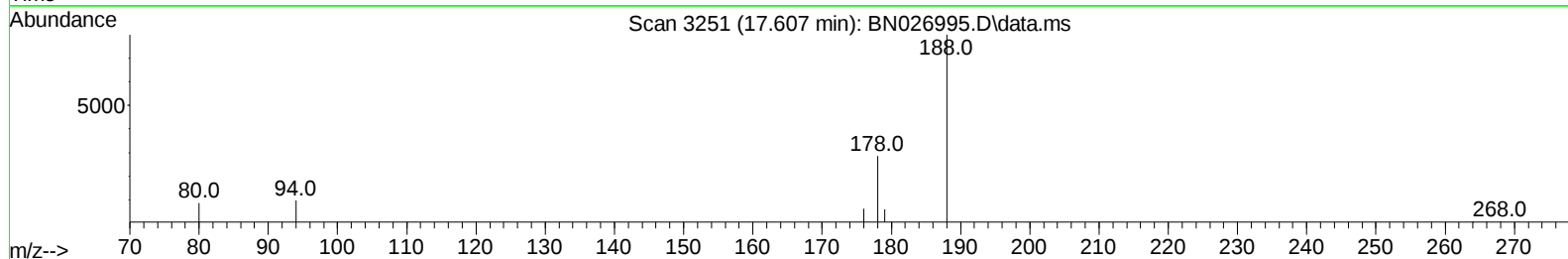
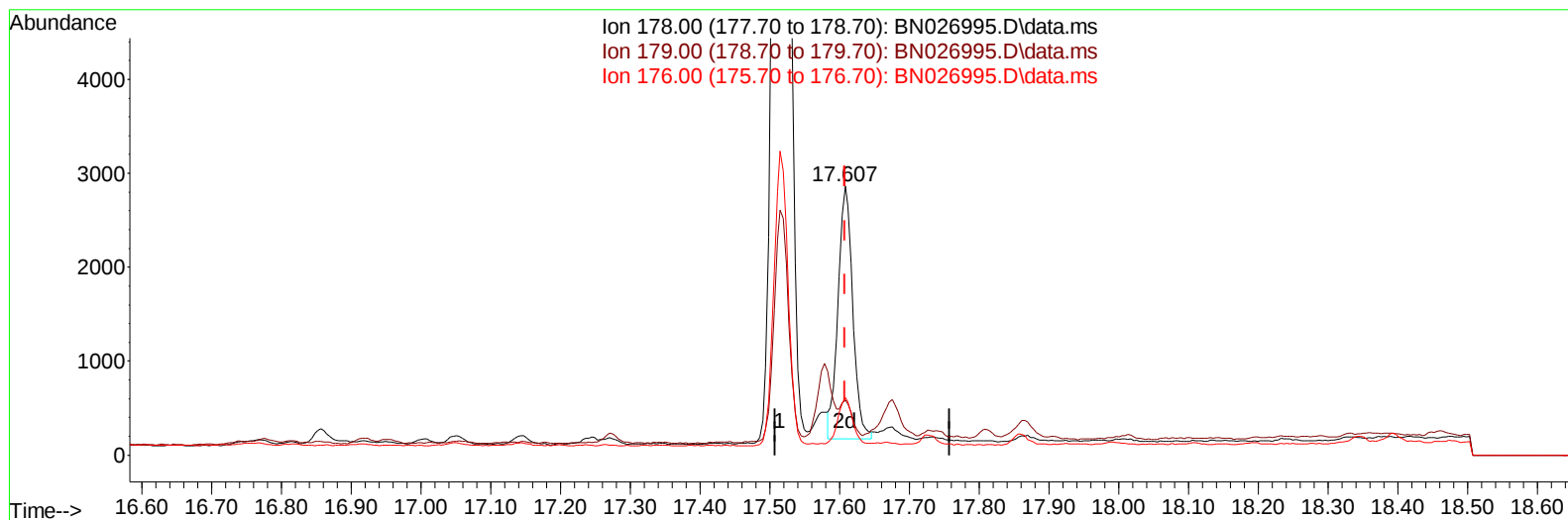
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 08/22/2023



TIC: BN026995.D\data.ms

(16) Anthracene

17.607min (-0.000) 0.04 ng/ul m

response 3953

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.80  | 20.47# |
| 176.00 | 18.80  | 21.27  |
| 0.00   | 0.00   | 0.00   |

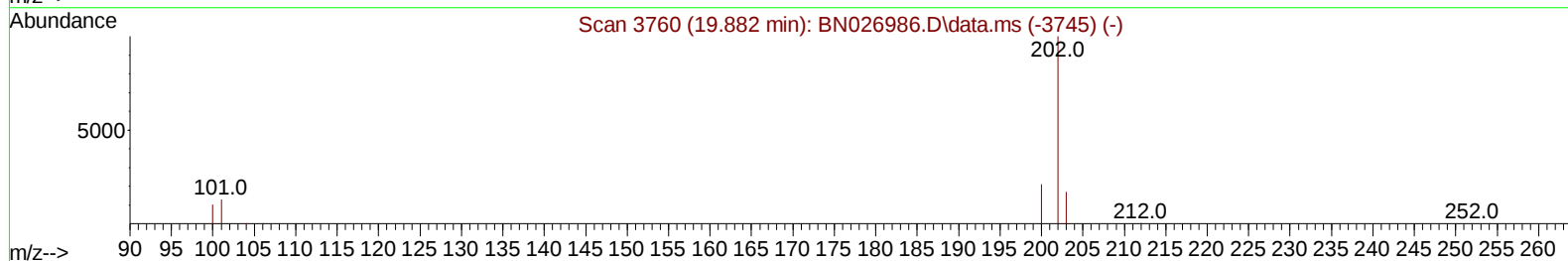
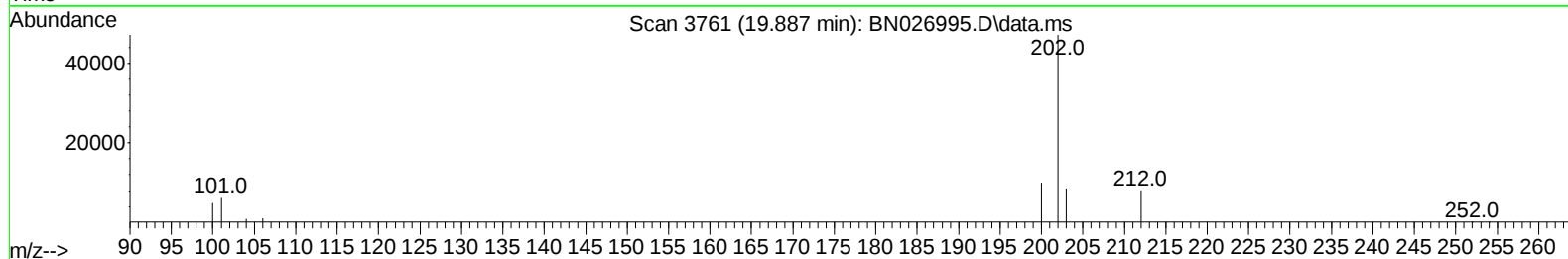
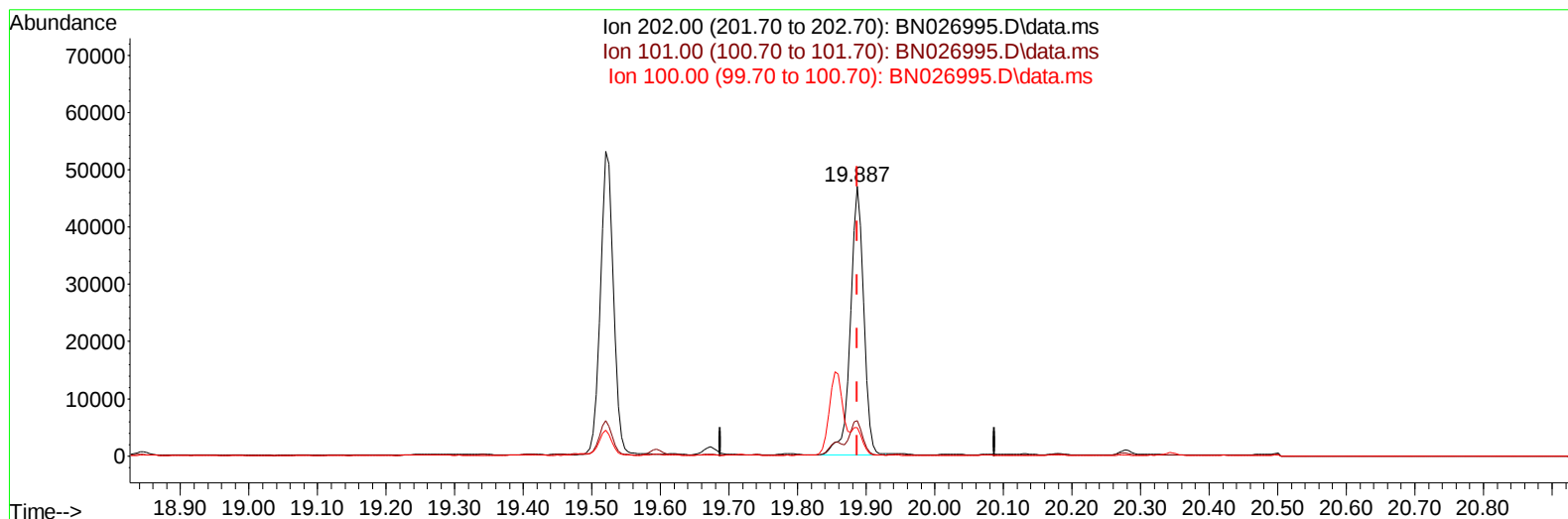
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN026995.D\data.ms

(20) Pyrene

19.887min (-0.000) 0.54 ng/u1

response 63585

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 13.20  |
| 100.00 | 10.60  | 10.44  |
| 0.00   | 0.00   | 0.00   |

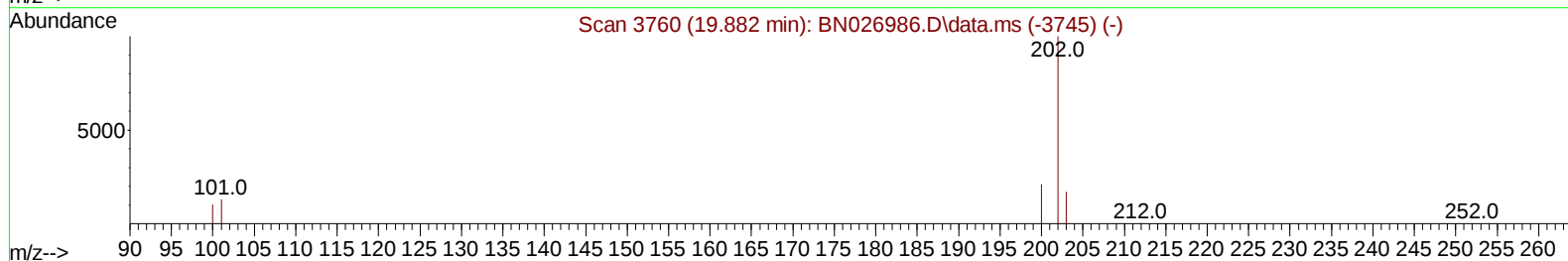
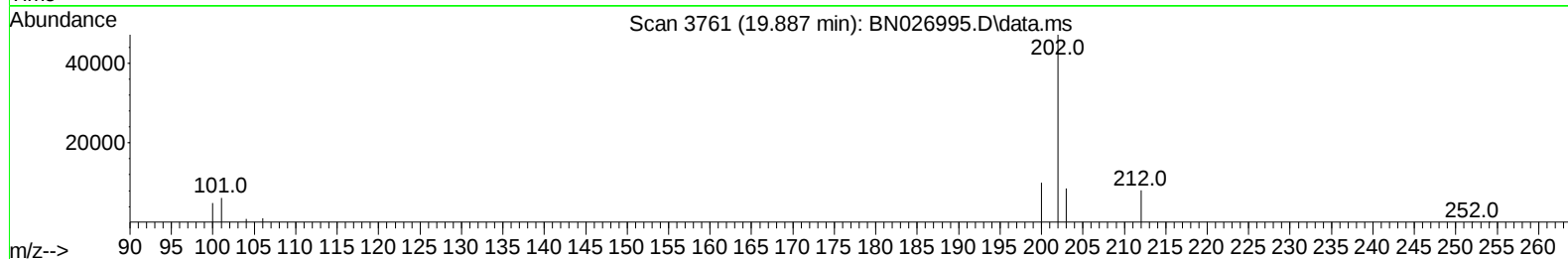
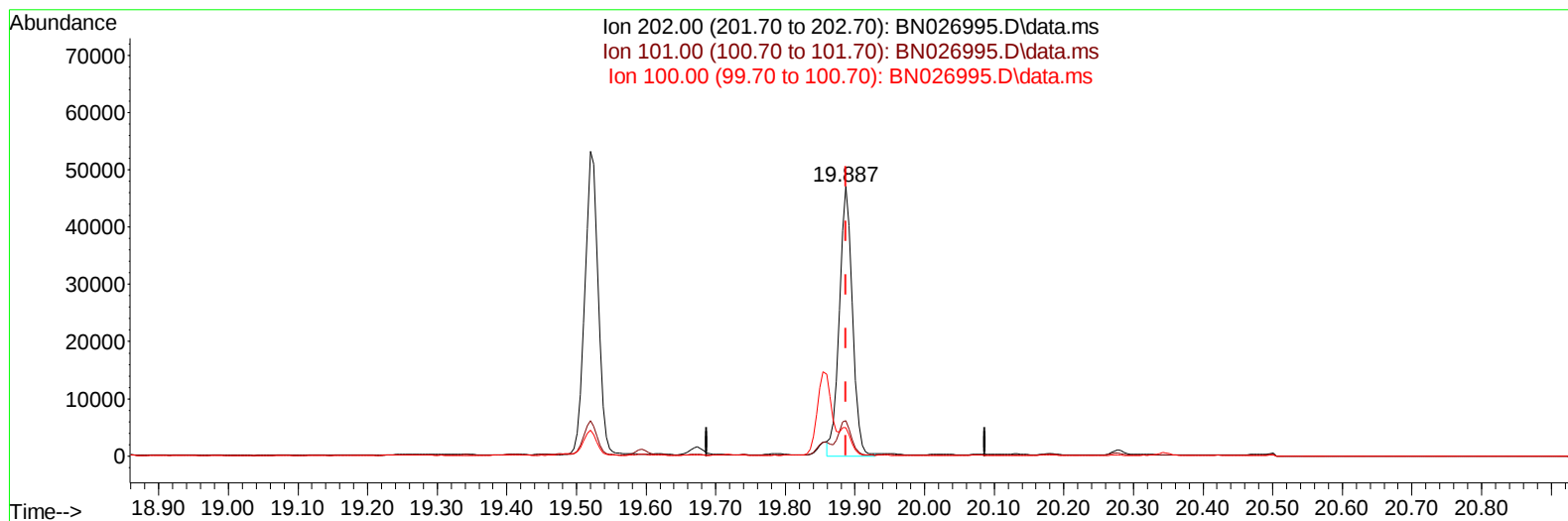
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN026995.D\data.ms

(20) Pyrene

19.887min (-0.000) 0.53 ng/u1 m

response 62230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 13.20  |
| 100.00 | 10.60  | 10.44  |
| 0.00   | 0.00   | 0.00   |

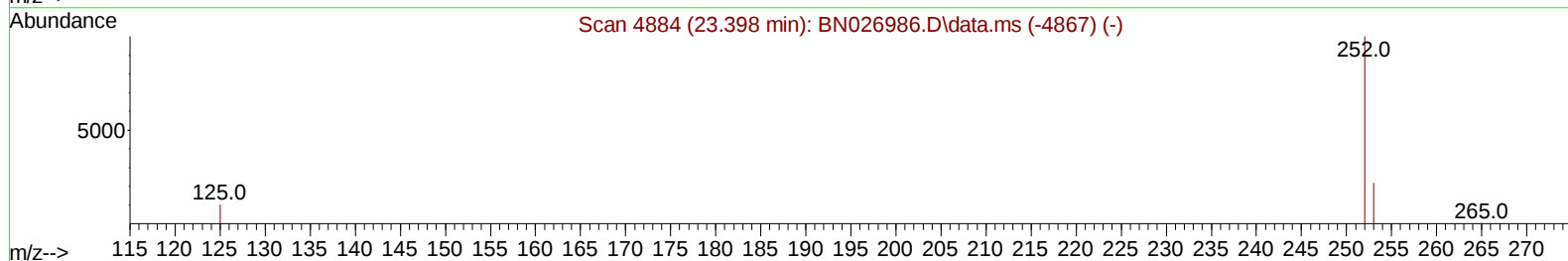
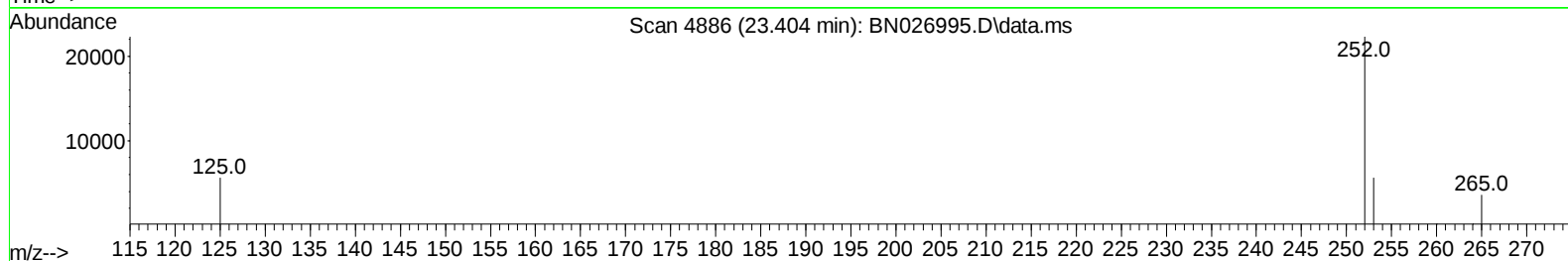
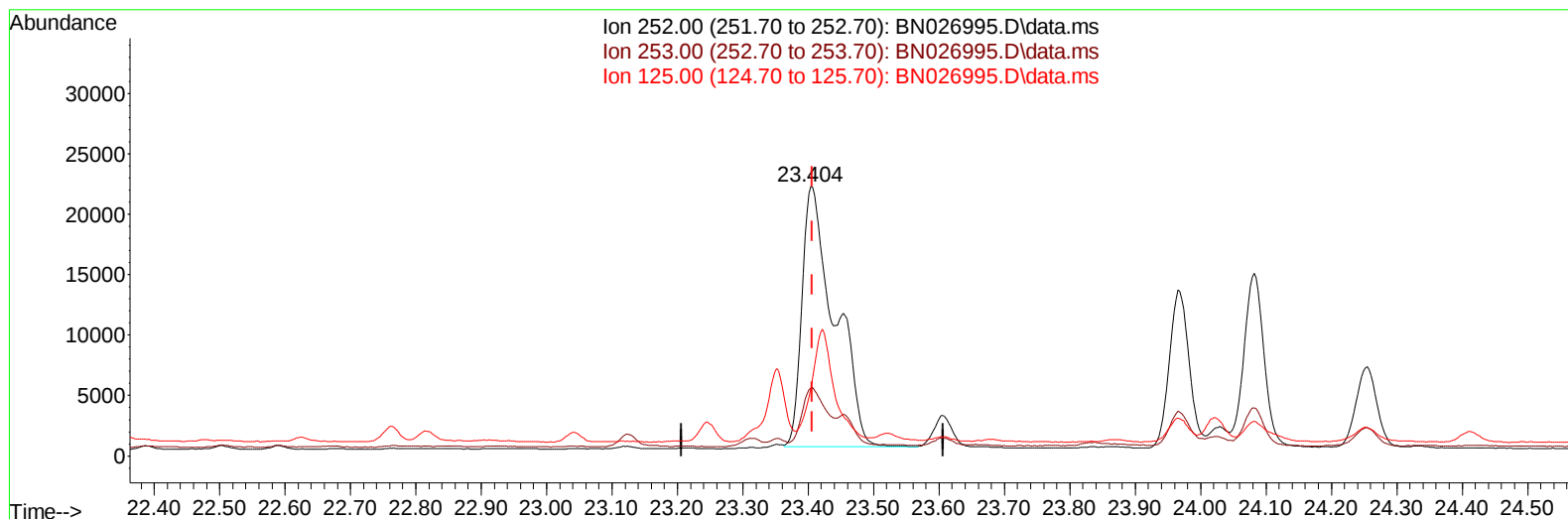
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN026995.D  
 Acq On : 21 Aug 2023 16:32  
 Operator : MA/JU  
 Sample : 03967-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K5

Manual IntegrationsAPPROVED

Quant Time: Aug 22 01:39:12 2023  
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 Response via : Initial Calibration

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TIC: BN026995.D\data.ms

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

23.404min (-0.003) 0.72 ng/u1

response 75242

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 25.21  |
| 125.00 | 12.60  | 25.14  |
| 0.00   | 0.00   | 0.00   |

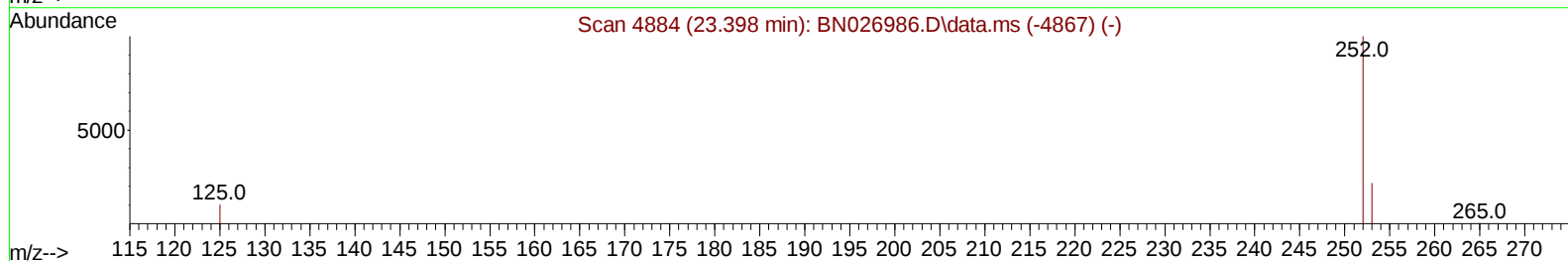
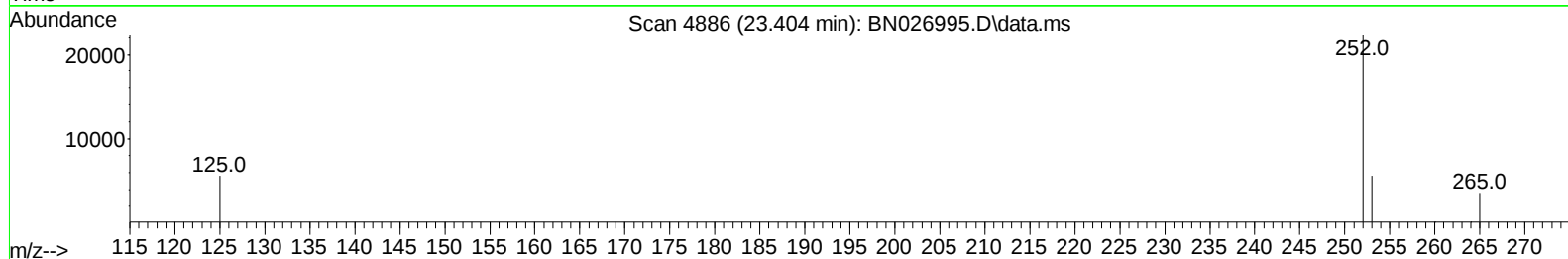
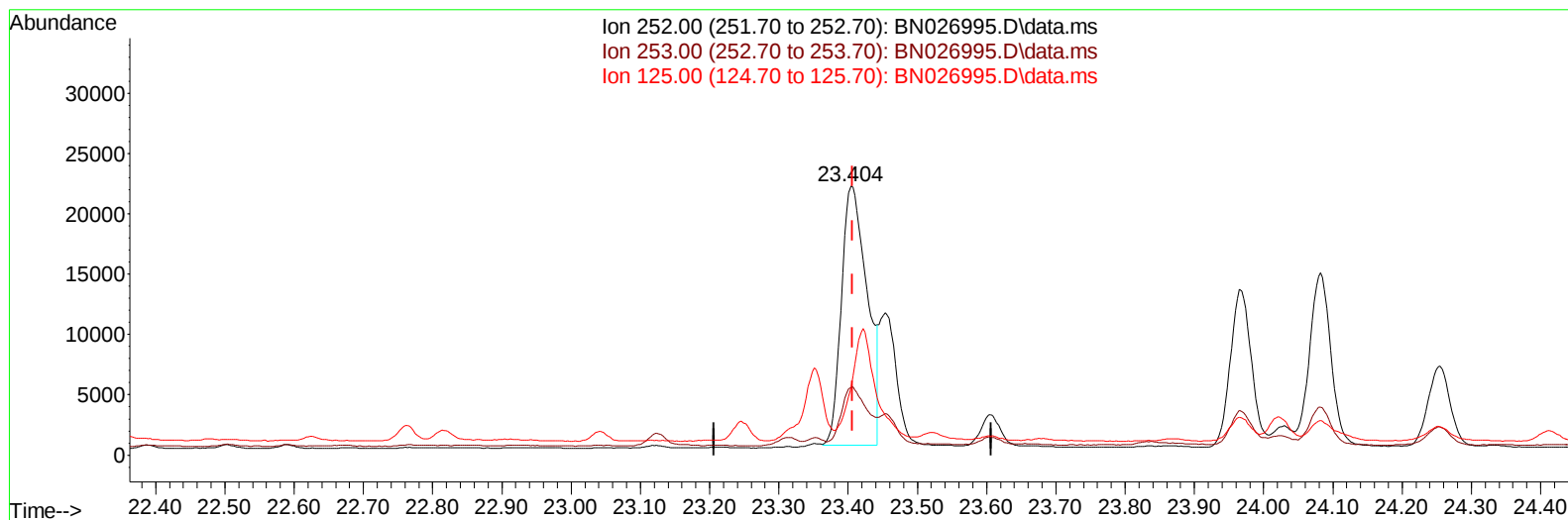
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
Data File : BN026995.D  
Acq On : 21 Aug 2023 16:32  
Operator : MA/JU  
Sample : 03967-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48K5

Manual IntegrationsAPPROVED

Quant Time: Aug 22 01:39:12 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
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QLast Update : Fri Aug 18 13:11:26 2023  
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Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



TIC: BN026995.D\data.ms

(24) Benzo(b)fluoranthene

23.404min (-0.003) 0.53 ng/u1 m

response 55640

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 25.21  |
| 125.00 | 12.60  | 25.14  |
| 0.00   | 0.00   | 0.00   |

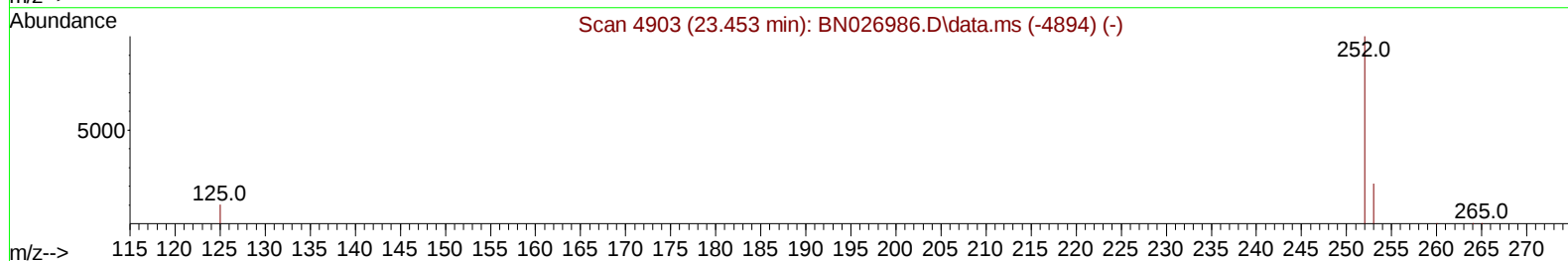
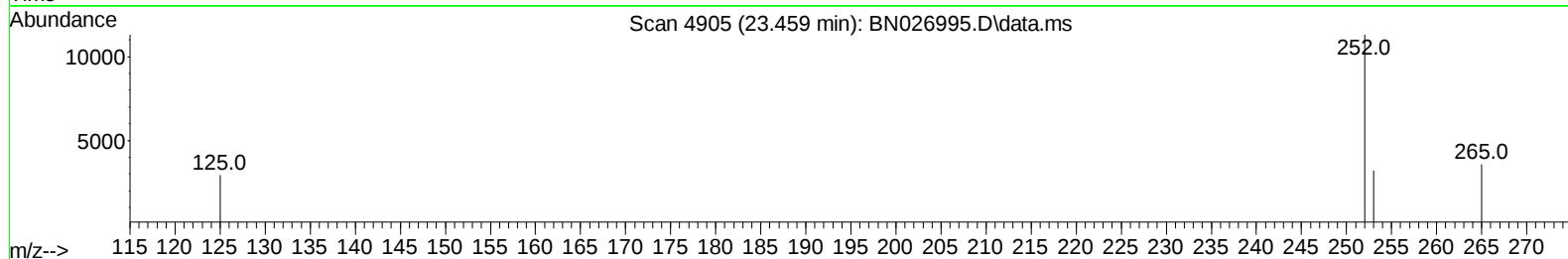
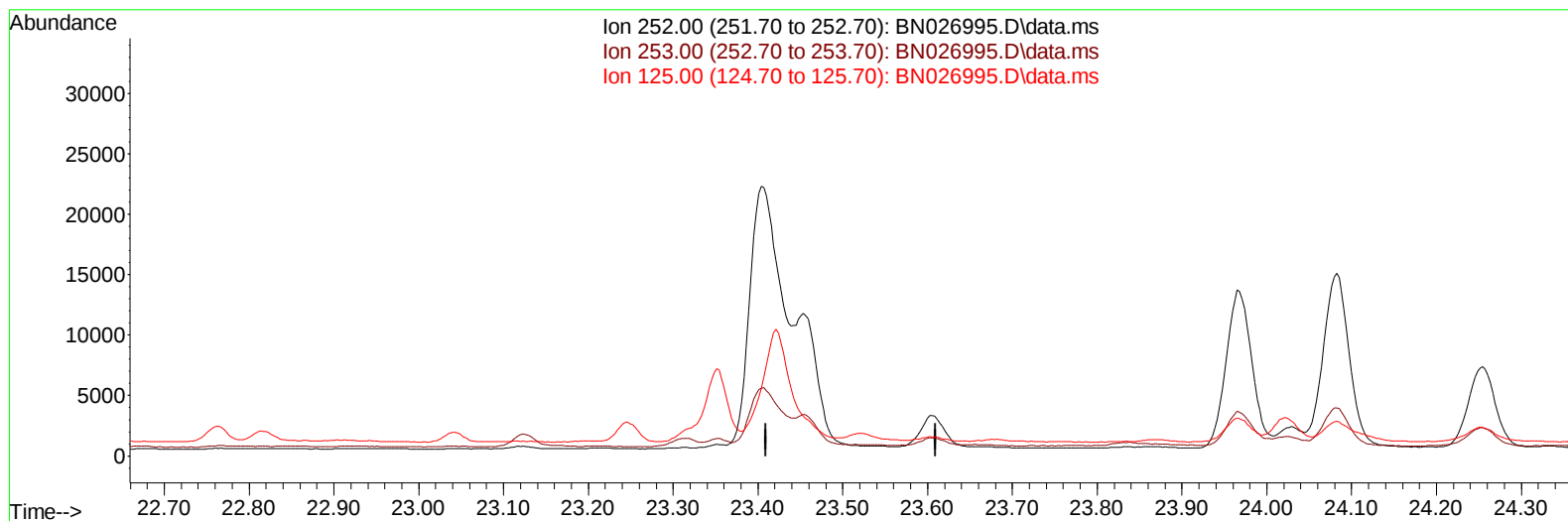
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
Data File : BN026995.D  
Acq On : 21 Aug 2023 16:32  
Operator : MA/JU  
Sample : 03967-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48K5

Manual IntegrationsAPPROVED

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TIC: BN026995.D\data.ms

(25) Benzo(k)fluoranthene

23.460min (-23.460) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 22.80  | 0.00# |
| 125.00 | 12.40  | 0.00# |
| 0.00   | 0.00   | 0.00  |

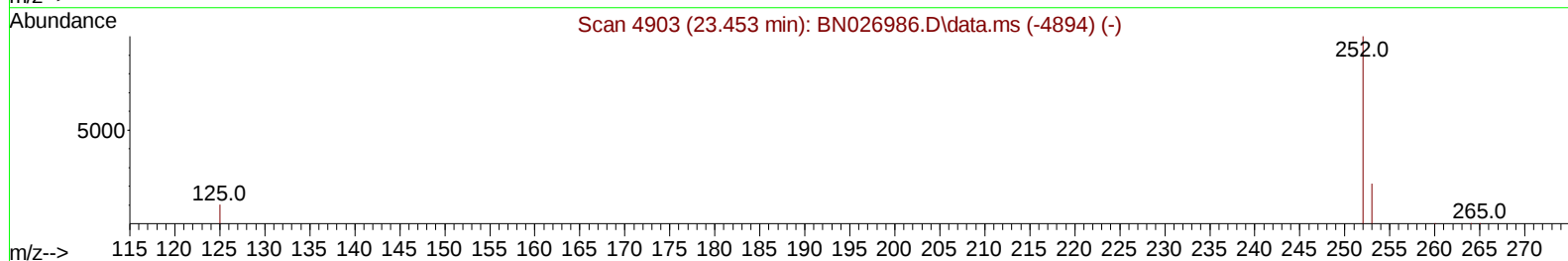
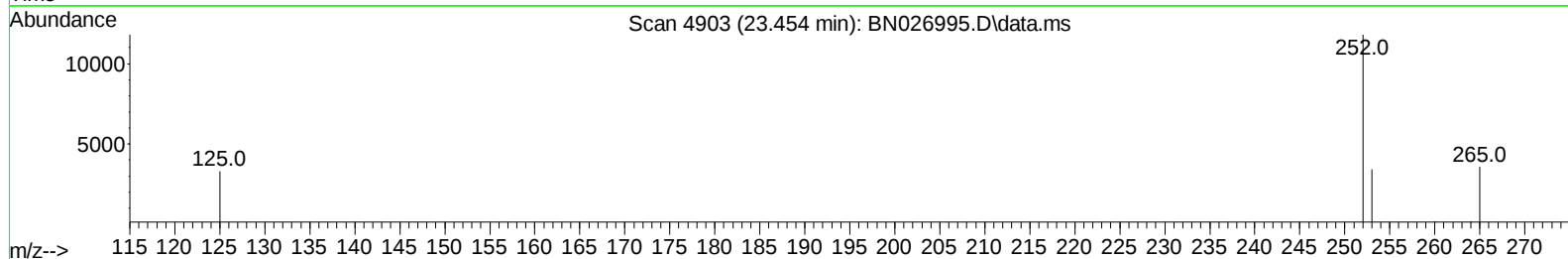
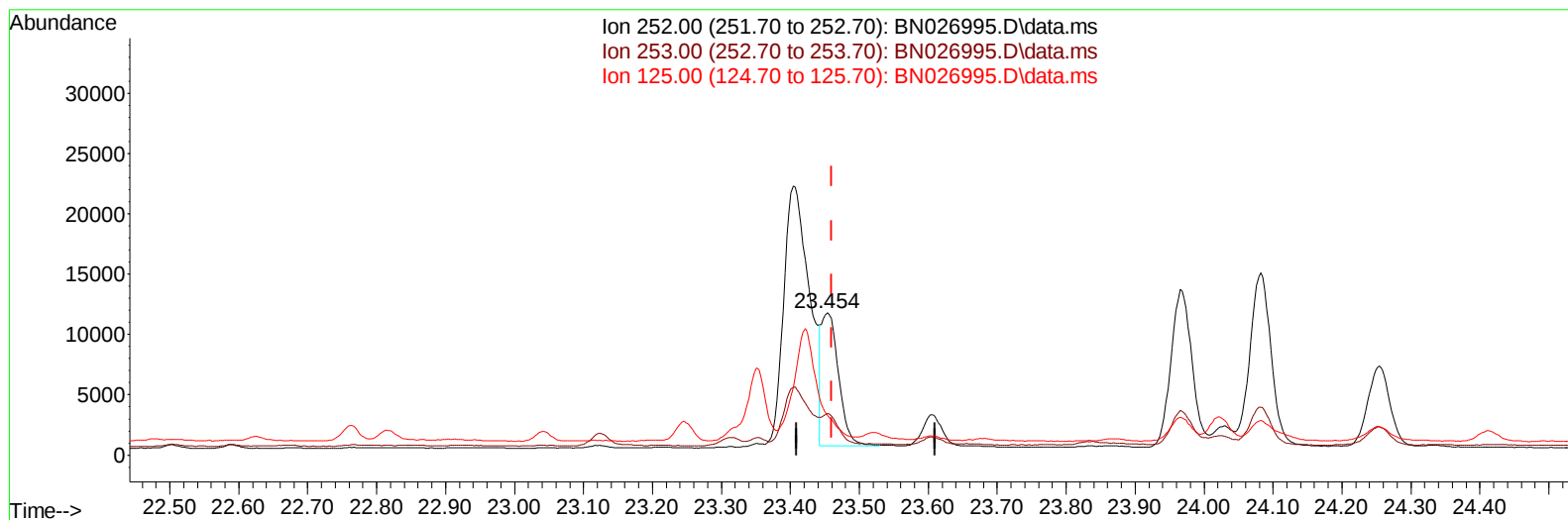
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN026995.D  
 Acq On : 21 Aug 2023 16:32  
 Operator : MA/JU  
 Sample : 03967-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K5

Manual IntegrationsAPPROVED

Quant Time: Aug 22 01:39:12 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 18 13:11:26 2023  
 Response via : Initial Calibration

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 Supervised By :mohammad ahmed 08/22/2023



TIC: BN026995.D\data.ms

(25) Benzo(k)fluoranthene

23.454min (-0.006) 0.19 ng/u1 m

response 19193

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 29.04# |
| 125.00 | 12.40  | 28.07# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN026995.D  
 Acq On : 21 Aug 2023 16:32  
 Operator : MA/JU  
 Sample : 03967-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K5

## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.101  | 152 |     | 7391     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.927 | 136 |     | 24634    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.731 | 164 |     | 13985    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.472 | 188 |     | 31716    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.650 | 240 |     | 26544    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.193 | 264 |     | 27530    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96  |     | 24868    | 2.834 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.500 | 152 |     | 5130     | 0.142 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.492 | 212 |     | 12138    | 0.145 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.982 | 128 |     | 1981     | 0.028 | ng/ul# | 84       |
| 10) Acenaphthylene          | 14.458 | 152 |     | 3149     | 0.040 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.515 | 178 |     | 23136    | 0.222 | ng/ul  | 99       |
| 16) Anthracene              | 17.607 | 178 |     | 3953m    | 0.042 | ng/ul  |          |
| 19) Fluoranthene            | 19.520 | 202 |     | 70597    | 0.640 | ng/ul  | 97       |
| 20) Pyrene                  | 19.887 | 202 |     | 62230m   | 0.529 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.635 | 228 |     | 28161    | 0.267 | ng/ul  | 97       |
| 22) Chrysene                | 21.691 | 228 |     | 38589    | 0.370 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.404 | 252 |     | 55640m   | 0.534 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.454 | 252 |     | 19193m   | 0.187 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.082 | 252 |     | 30888    | 0.329 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.884 | 276 |     | 23696    | 0.193 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.908 | 278 |     | 5199     | 0.053 | ng/ul# | 60       |
| 29) Benzo(g,h,i)perylene    | 27.723 | 276 |     | 24307    | 0.238 | ng/ul  | 95       |
| -----                       |        |     |     |          |       |        |          |

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

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