

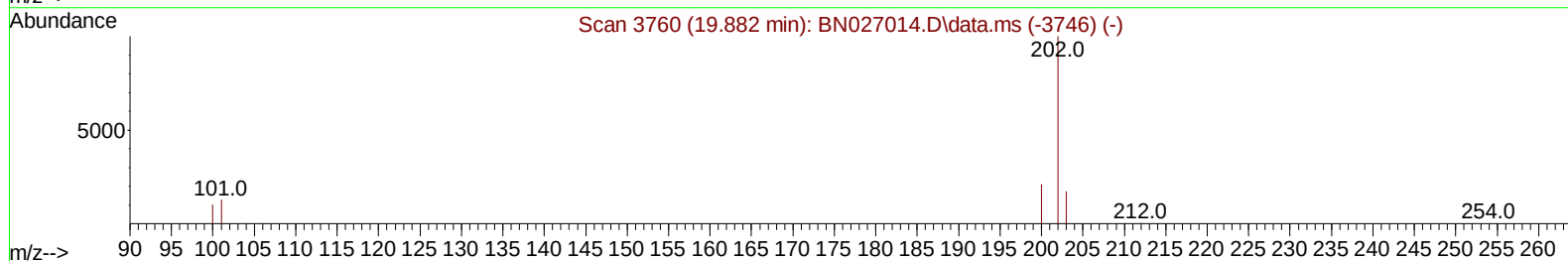
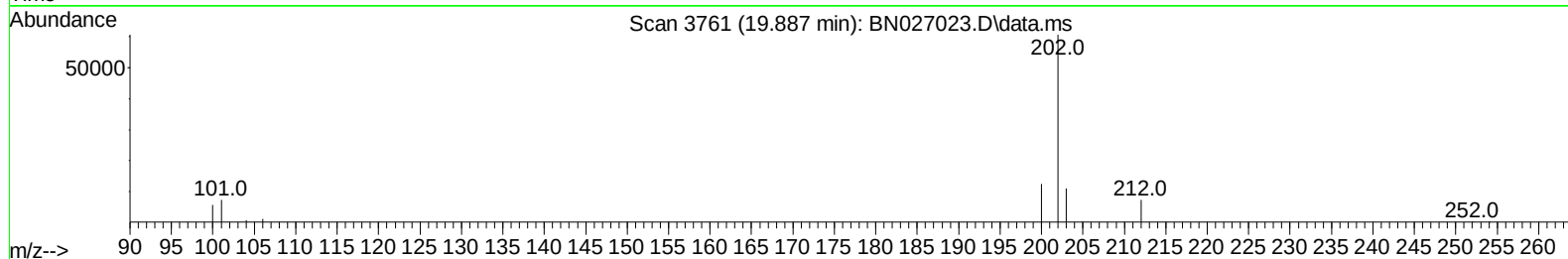
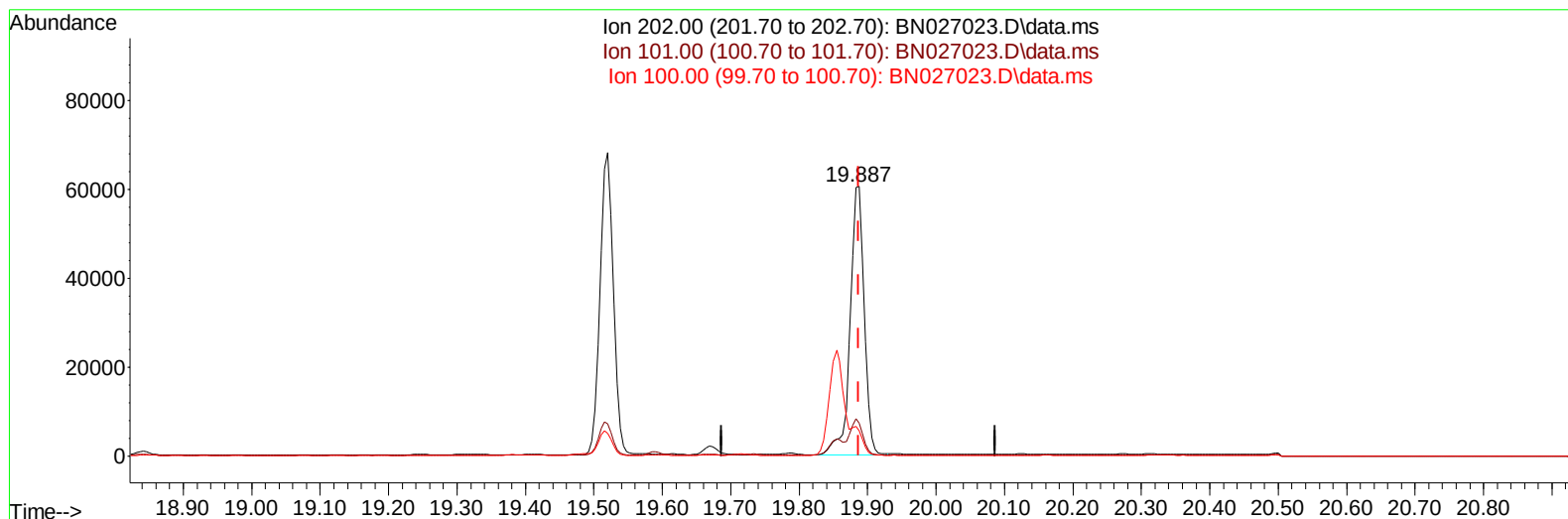
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

Manual IntegrationsAPPROVED

Quant Time: Aug 22 11:38:15 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 08/23/2023  
 Supervised By :mohammad ahmed 08/24/2023



TIC: BN027023.D\data.ms

(20) Pyrene

19.887min (+ 0.000) 0.74 ng/u1

response 85268

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.06  |
| 100.00 | 10.60  | 9.45   |
| 0.00   | 0.00   | 0.00   |

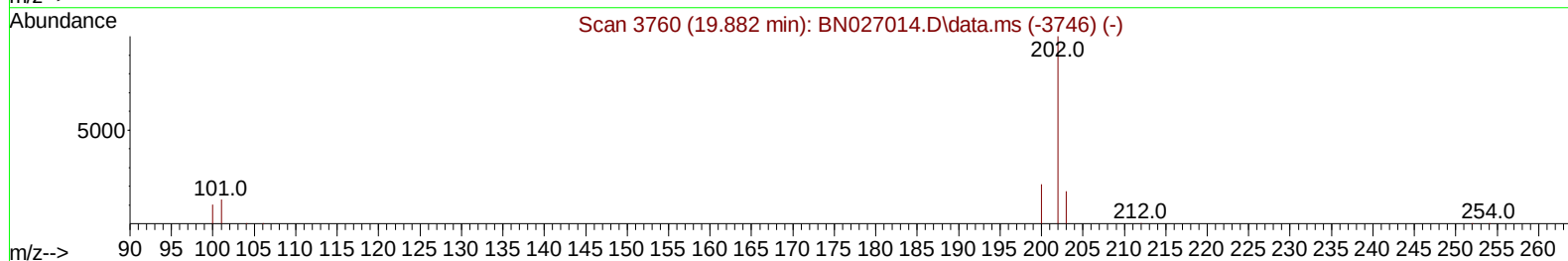
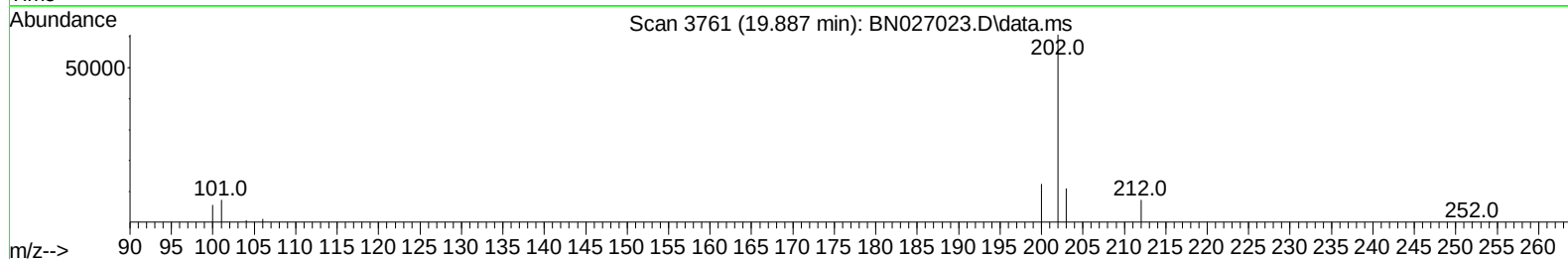
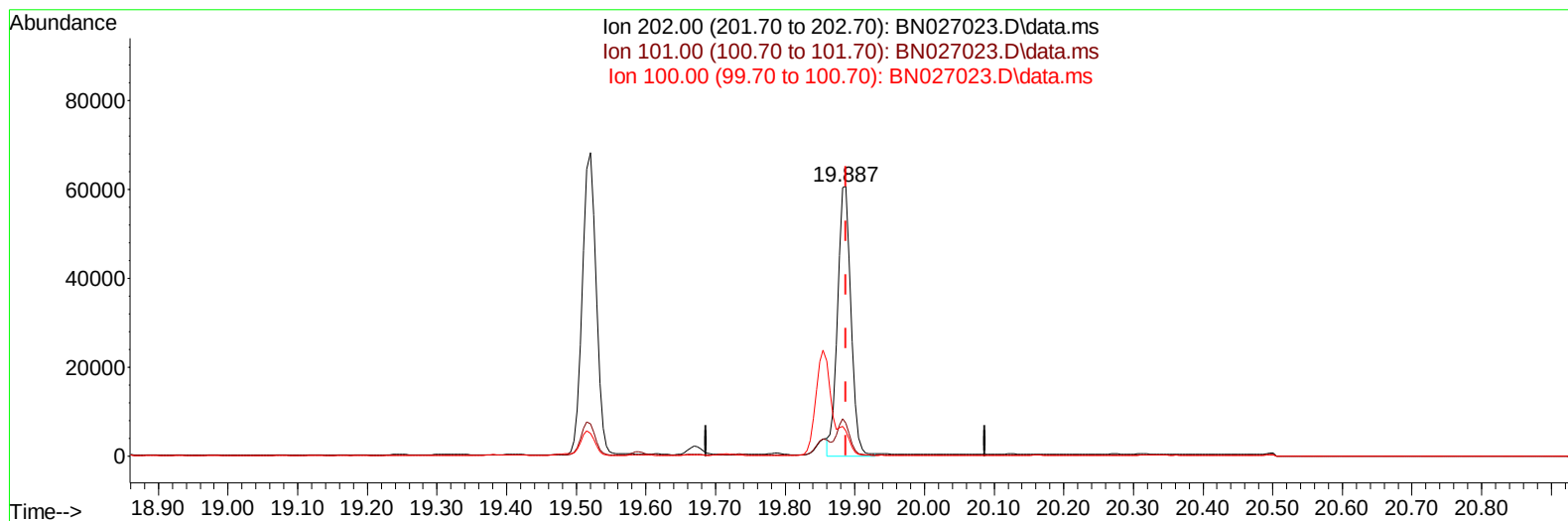
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
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Manual IntegrationsAPPROVED

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TIC: BN027023.D\data.ms

(20) Pyrene

19.887min (+ 0.000) 0.71 ng/ul m

response 82531

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.06  |
| 100.00 | 10.60  | 9.45   |
| 0.00   | 0.00   | 0.00   |

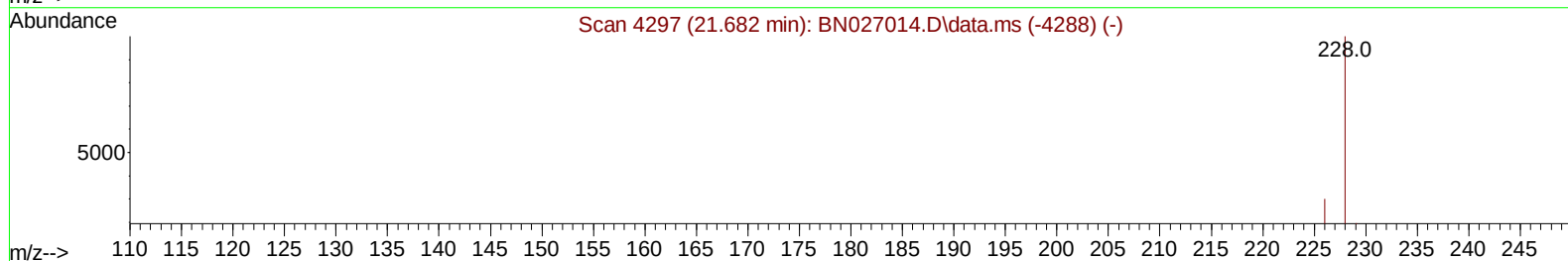
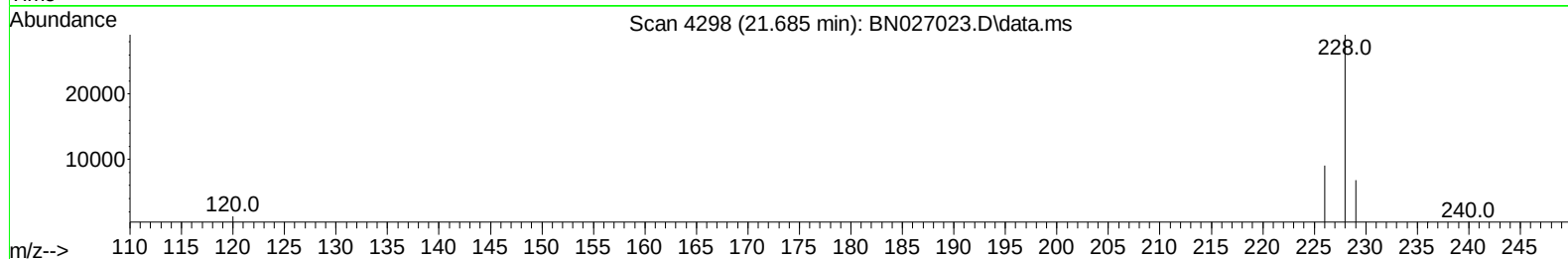
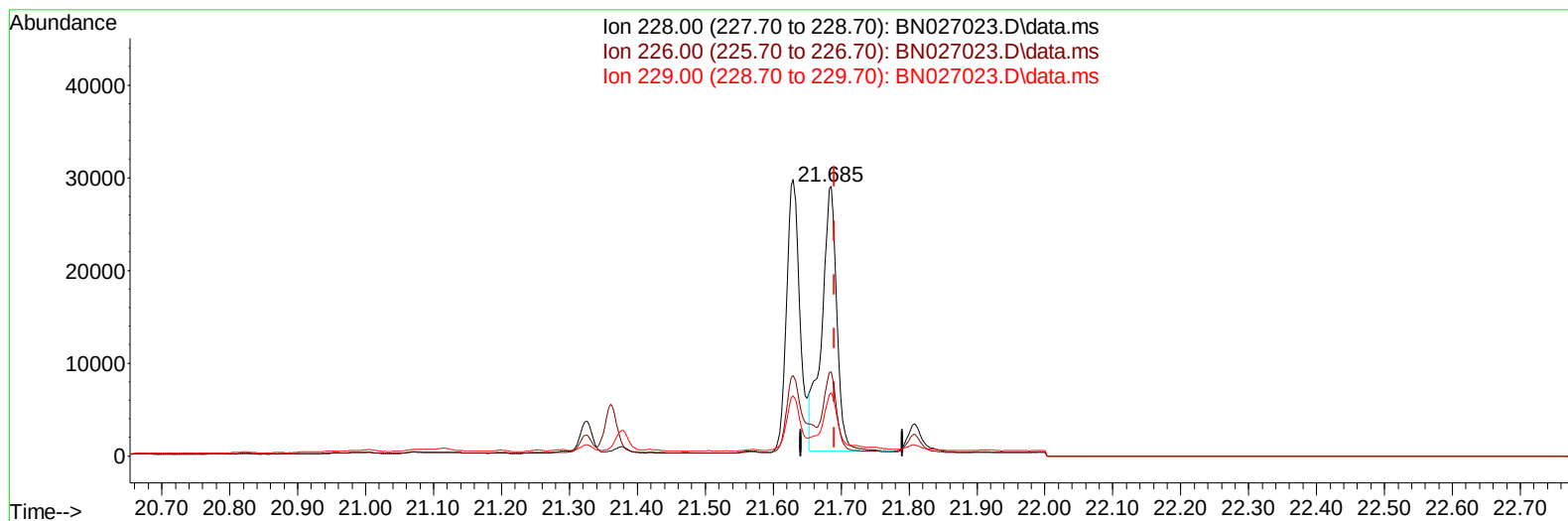
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN027023.D\data.ms

(22) Chrysene

21.685min (-0.006) 0.43 ng/u1

response 44473

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.70  | 31.17  |
| 229.00 | 19.70  | 23.41  |
| 0.00   | 0.00   | 0.00   |

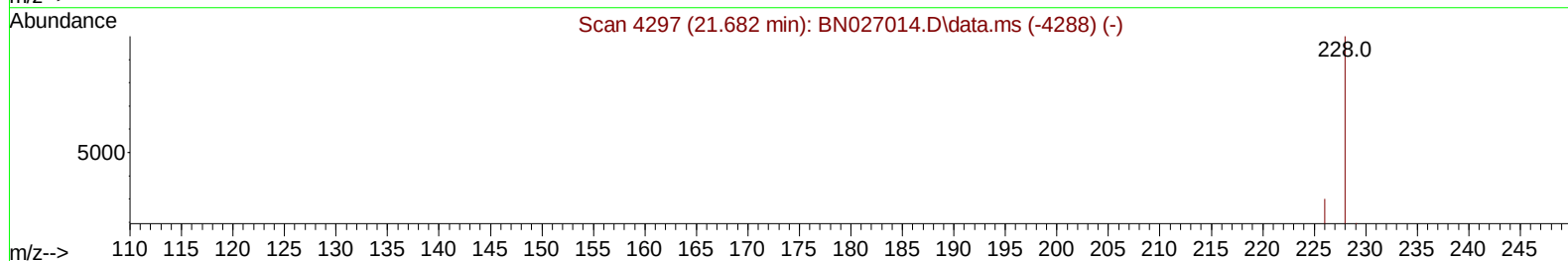
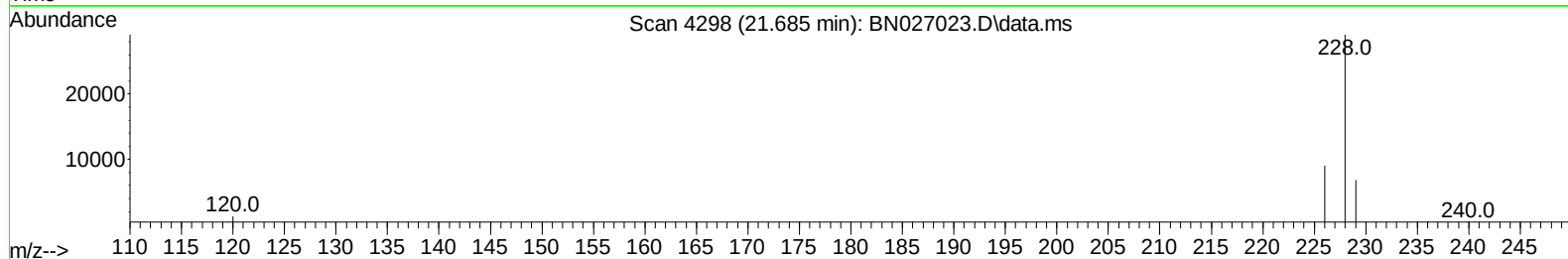
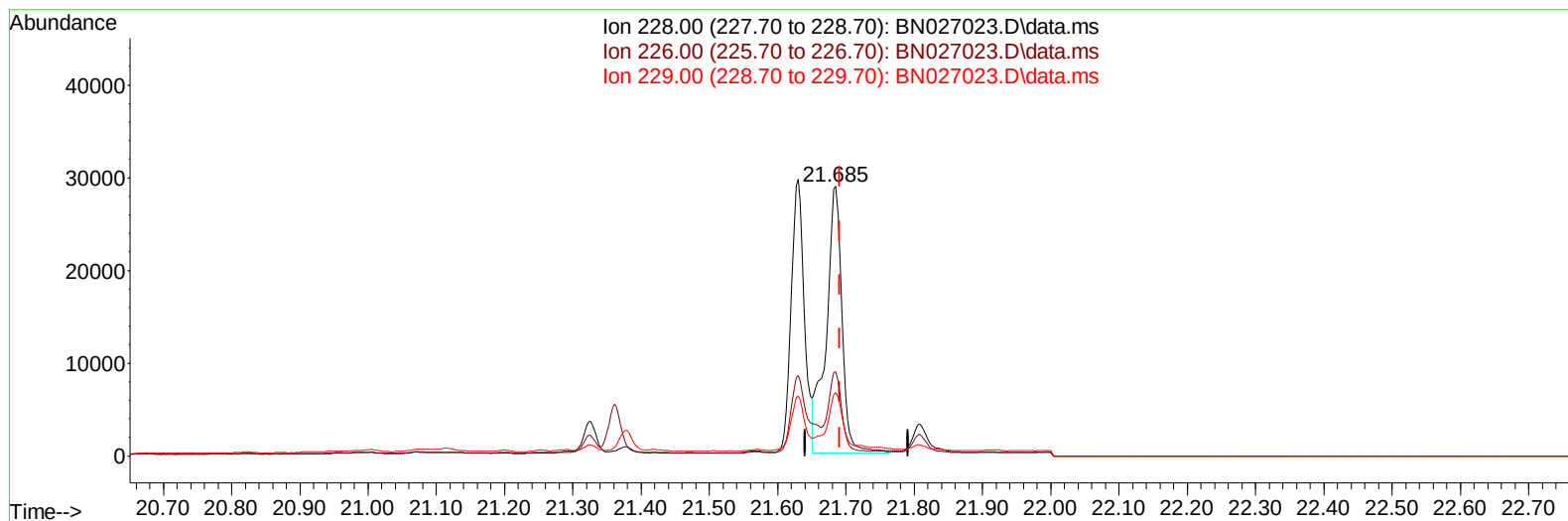
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
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 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 08/23/2023  
 Supervised By :mohammad ahmed 08/24/2023



TIC: BN027023.D\data.ms

(22) Chrysene

21.685min (-0.006) 0.46 ng/ul m

response 46924

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.70  | 31.17  |
| 229.00 | 19.70  | 23.41  |
| 0.00   | 0.00   | 0.00   |

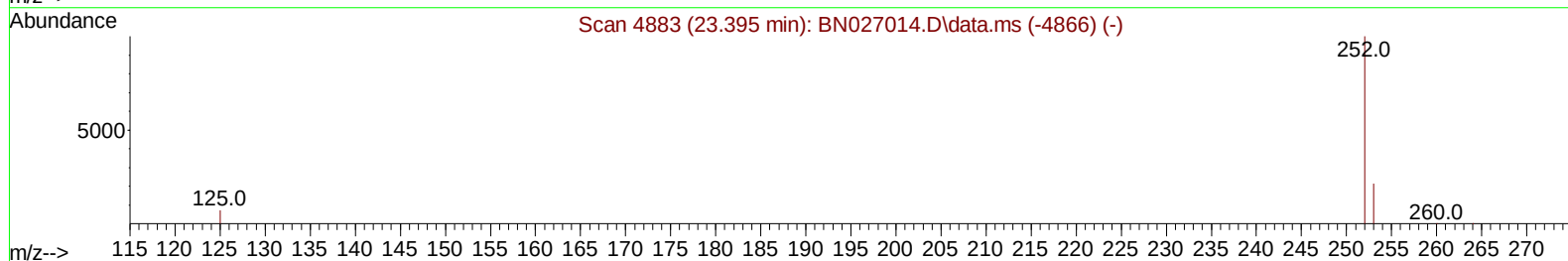
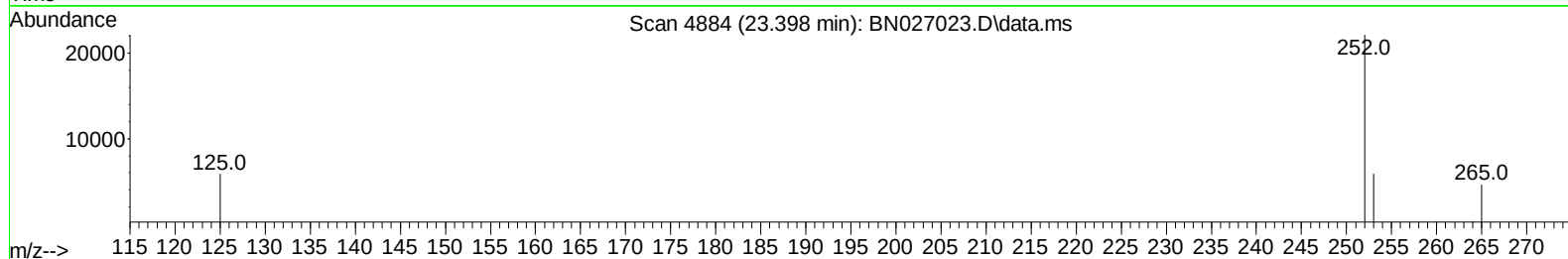
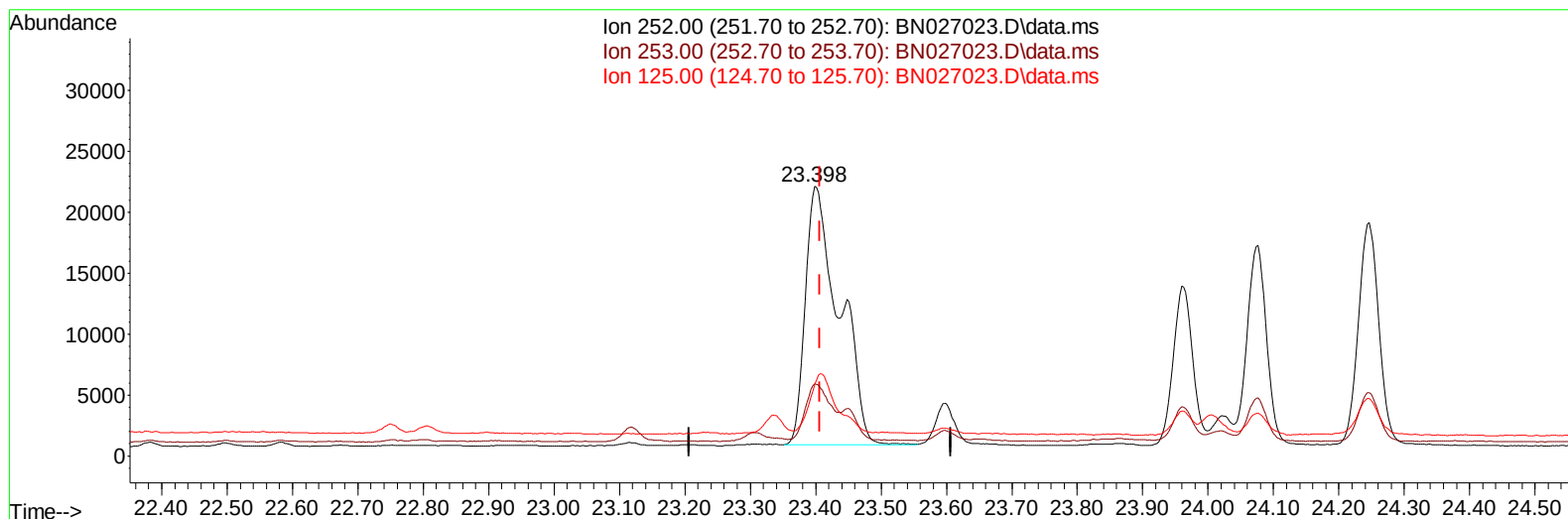
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

Manual IntegrationsAPPROVED

Quant Time: Aug 22 11:38:15 2023  
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 QLast Update : Fri Aug 18 13:11:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/23/2023  
 Supervised By :mohammad ahmed 08/24/2023



TIC: BN027023.D\data.ms

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

23.398min (-0.009) 0.87 ng/u1

response 76731

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 26.67  |
| 125.00 | 12.60  | 26.47# |
| 0.00   | 0.00   | 0.00   |

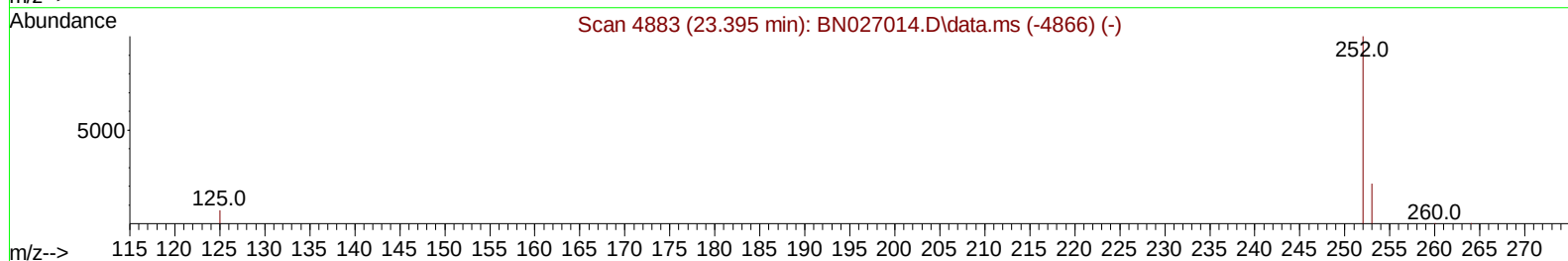
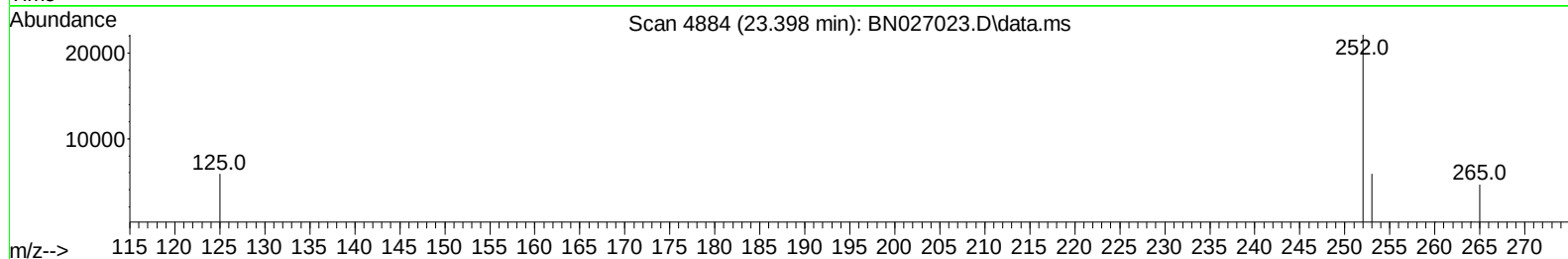
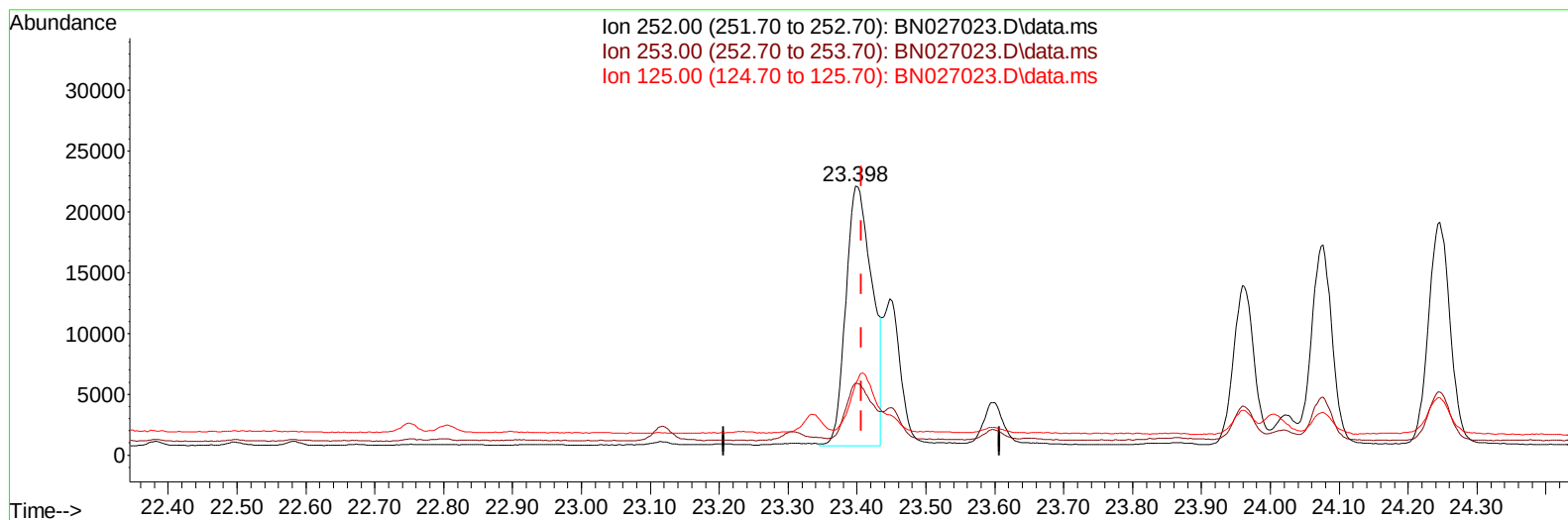
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

Manual IntegrationsAPPROVED

Quant Time: Aug 22 11:38:15 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  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/23/2023  
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TIC: BN027023.D\data.ms

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

23.398min (-0.009) 0.64 ng/ul m

response 56286

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 26.67  |
| 125.00 | 12.60  | 26.47# |
| 0.00   | 0.00   | 0.00   |

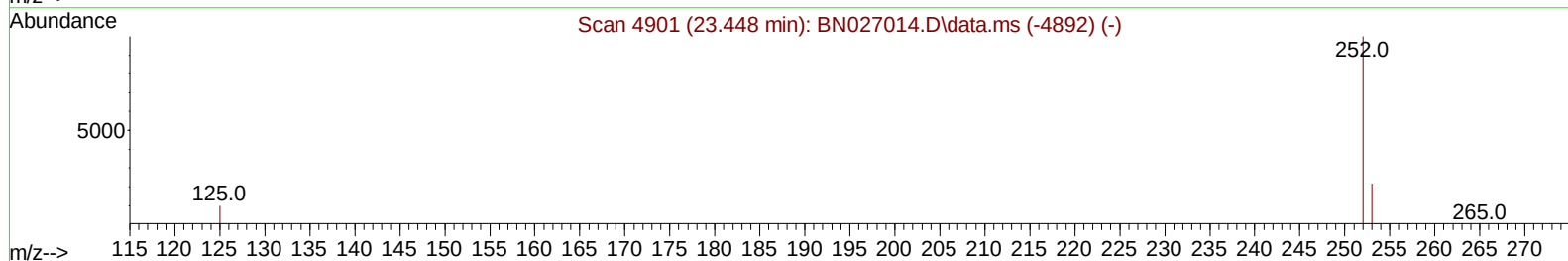
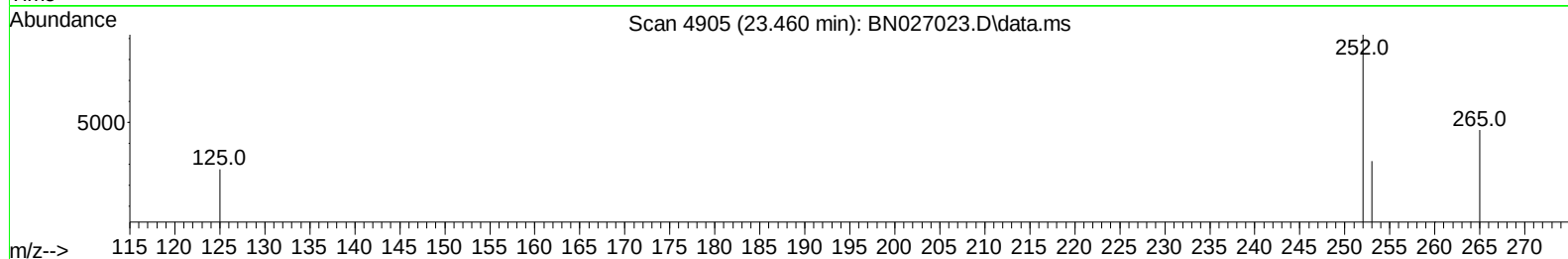
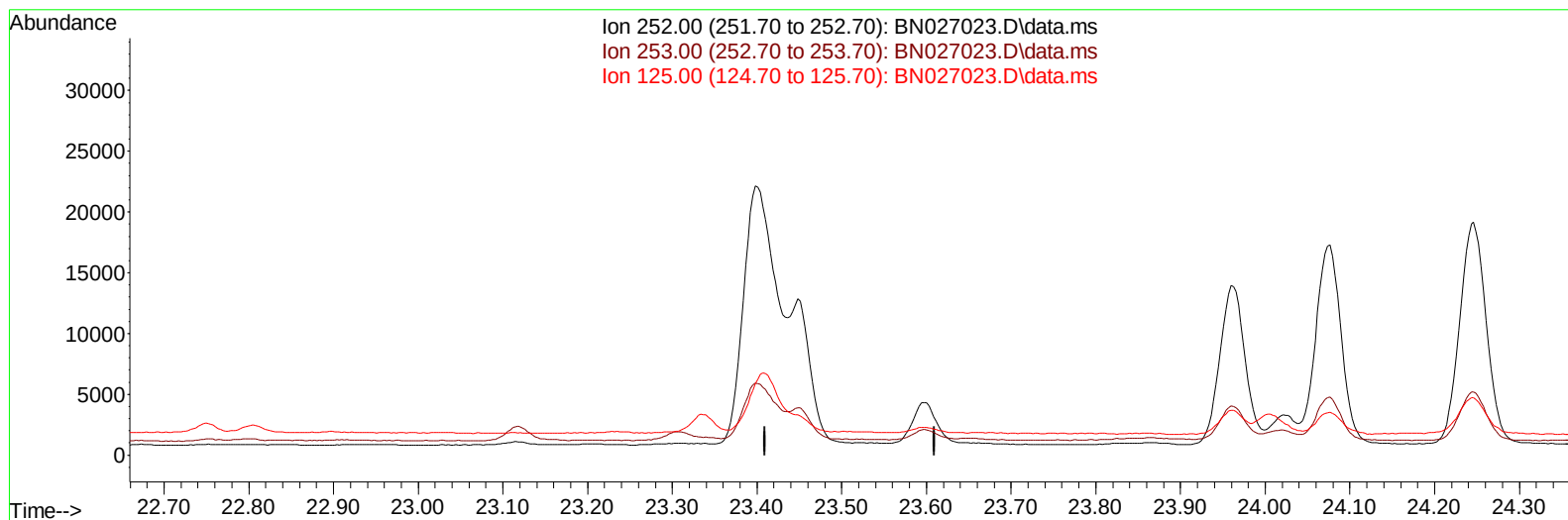
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

Manual IntegrationsAPPROVED

Quant Time: Aug 22 11:38:15 2023  
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TIC: BN027023.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  |

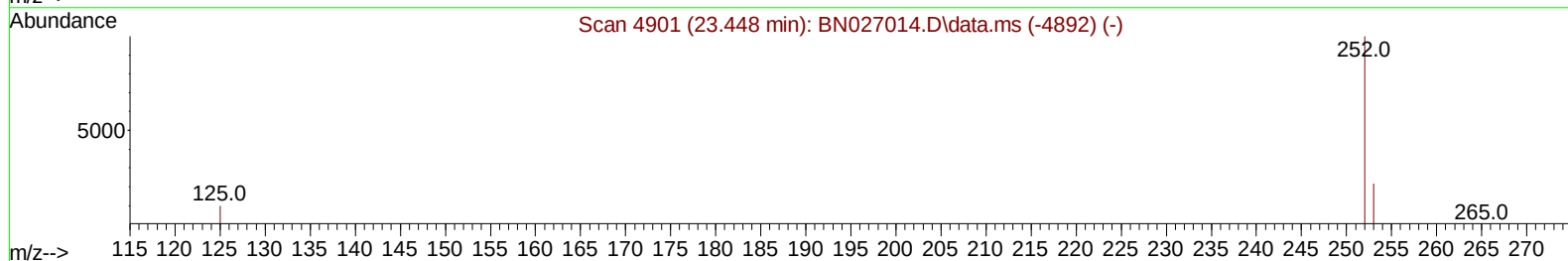
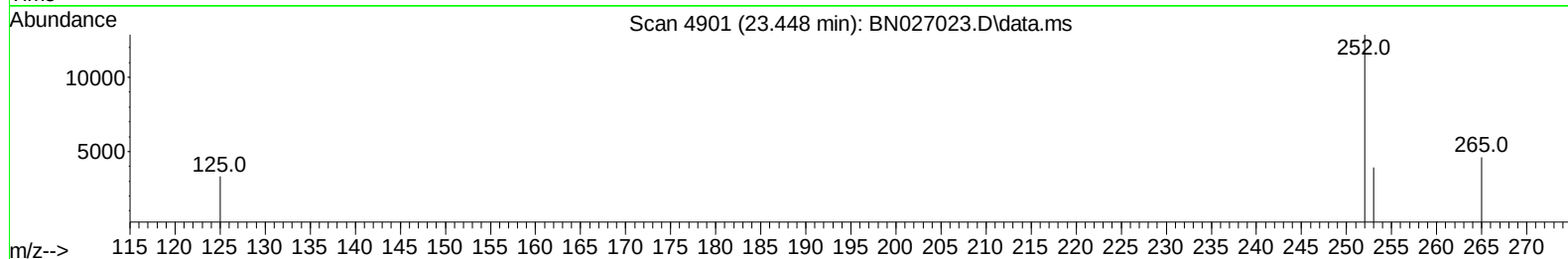
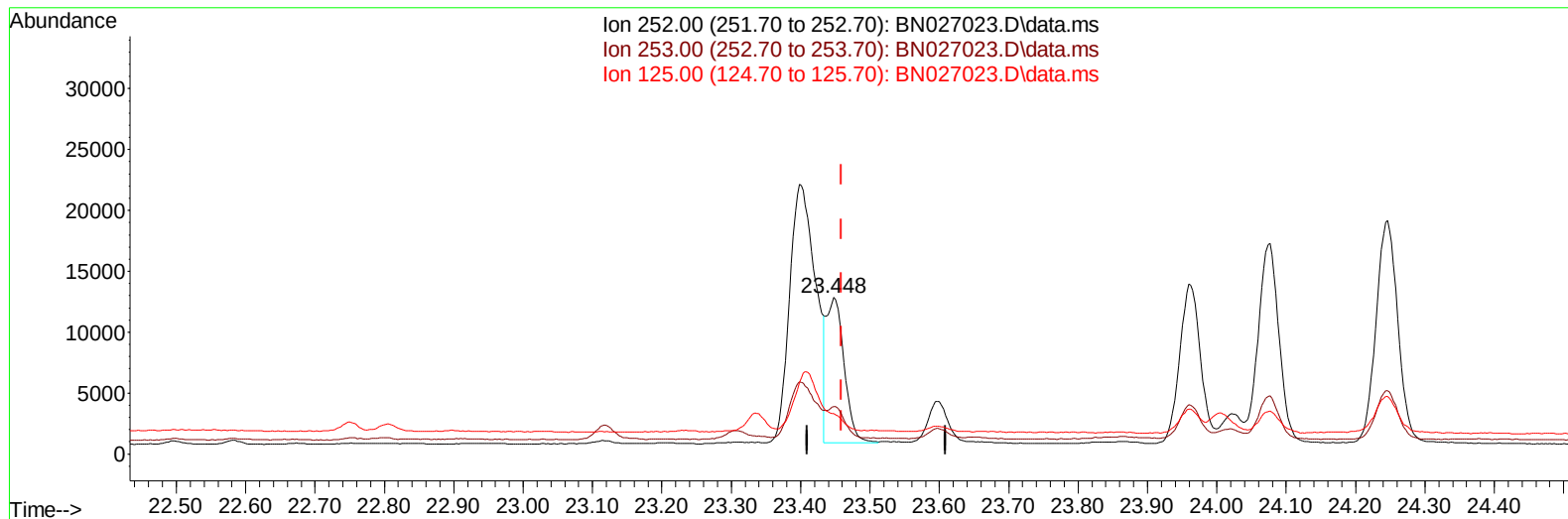
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027023.D  
 Acq On : 22 Aug 2023 10:57  
 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

Manual IntegrationsAPPROVED

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 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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TIC: BN027023.D\data.ms

(25) Benzo(k)fluoranthene

23.448min (-0.012) 0.24 ng/ul m

response 21130

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 30.44# |
| 125.00 | 12.40  | 25.76# |
| 0.00   | 0.00   | 0.00   |



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 Operator : MA/JU  
 Sample : 03968-26  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P3

## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.097  | 152 |     | 7264     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.927 | 136 |     | 24519    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.726 | 164 |     | 14346    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.473 | 188 |     | 31252    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.647 | 240 |     | 26128    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.190 | 264 |     | 23301    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96  |     | 41971    | 4.867 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.500 | 152 |     | 9043     | 0.251 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.487 | 212 |     | 22472    | 0.272 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       | Qvalue |          |
| 5) Naphthalene              | 10.977 | 128 |     | 2330     | 0.034 | ng/ul# | 83       |
| 10) Acenaphthylene          | 14.458 | 152 |     | 3396     | 0.042 | ng/ul# | 91       |
| 11) Acenaphthene            | 14.791 | 153 |     | 1128     | 0.020 | ng/ul  | 97       |
| 12) Fluorene                | 15.772 | 166 |     | 1745     | 0.028 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.515 | 178 |     | 35250    | 0.343 | ng/ul  | 100      |
| 16) Anthracene              | 17.608 | 178 |     | 7608     | 0.082 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.520 | 202 |     | 92594    | 0.853 | ng/ul  | 100      |
| 20) Pyrene                  | 19.887 | 202 |     | 82531m   | 0.713 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.630 | 228 |     | 39656    | 0.382 | ng/ul  | 97       |
| 22) Chrysene                | 21.685 | 228 |     | 46924m   | 0.457 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.398 | 252 |     | 56286m   | 0.639 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.448 | 252 |     | 21130m   | 0.243 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.076 | 252 |     | 34261    | 0.431 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.871 | 276 |     | 22180    | 0.213 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.894 | 278 |     | 5418     | 0.065 | ng/ul# | 38       |
| 29) Benzo(g,h,i)perylene    | 27.716 | 276 |     | 20499    | 0.237 | ng/ul  | 93       |
| -----                       |        |     |     |          |       |        |          |

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

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