

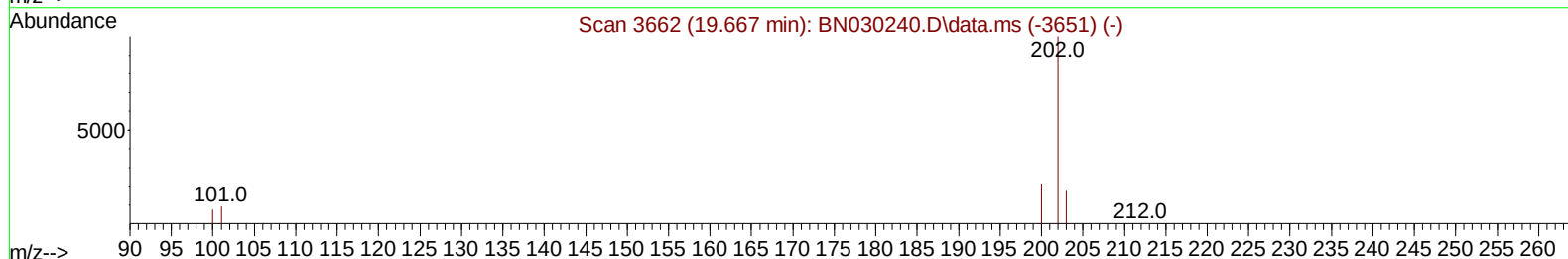
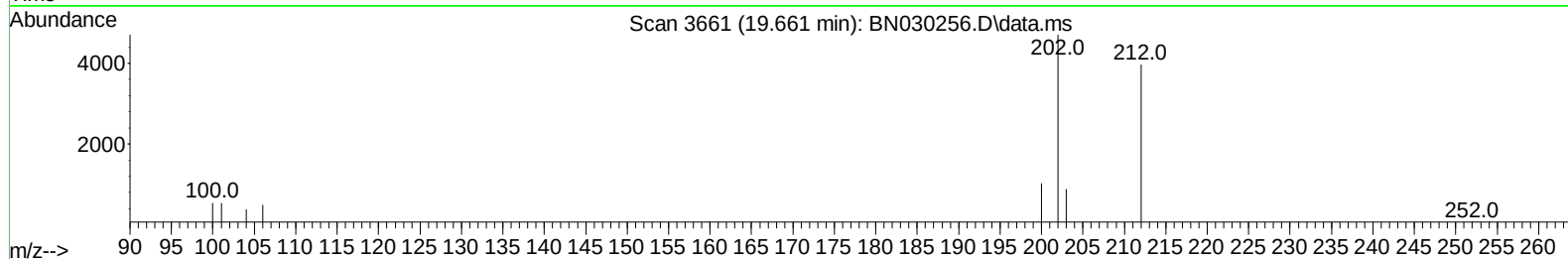
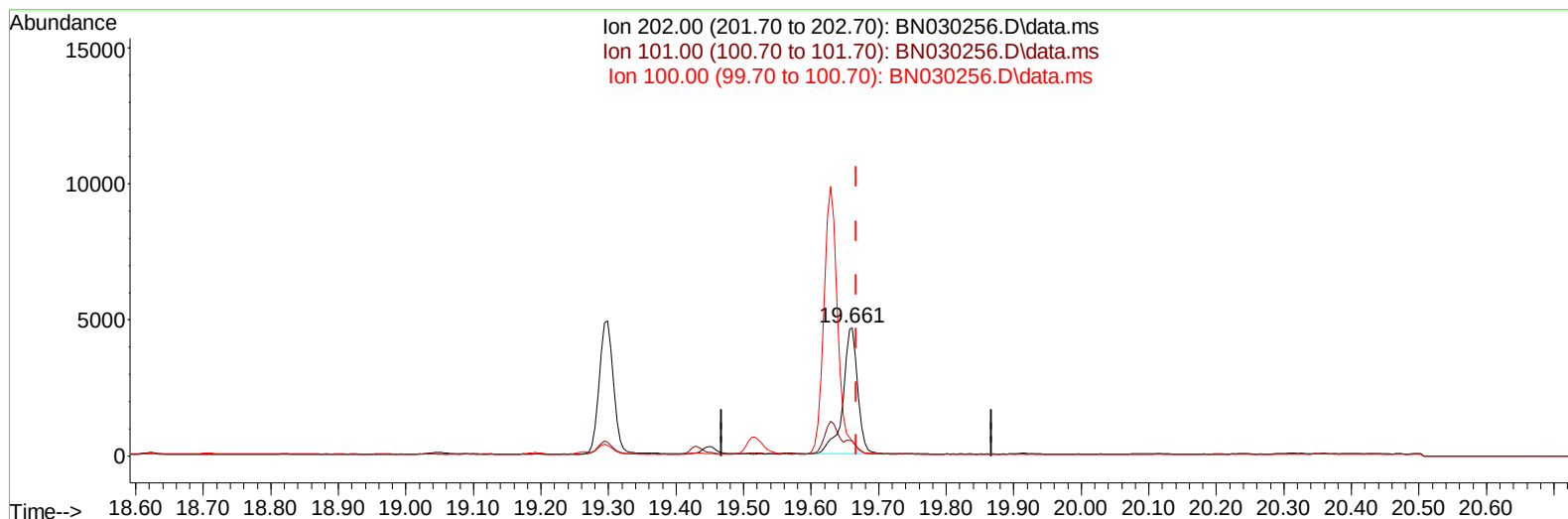
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

Manual IntegrationsAPPROVED

Quant Time: Mar 04 15:32:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 05:54:20 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/05/2024  
Supervised By :mohammad ahmed 03/05/2024



TIC: BN030256.D\data.ms

(20) Pyrene

19.661min (-0.006) 0.37 ng/u1

response 7219

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.20  | 11.60  |
| 100.00 | 11.00  | 11.60  |
| 0.00   | 0.00   | 0.00   |

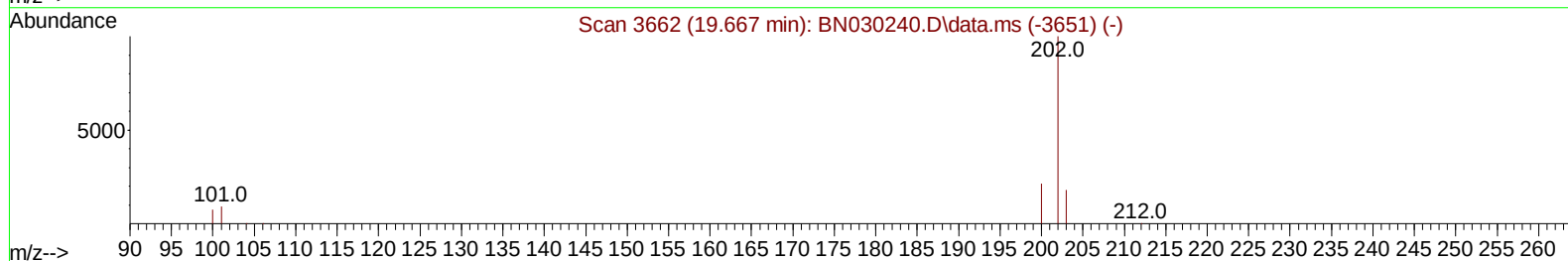
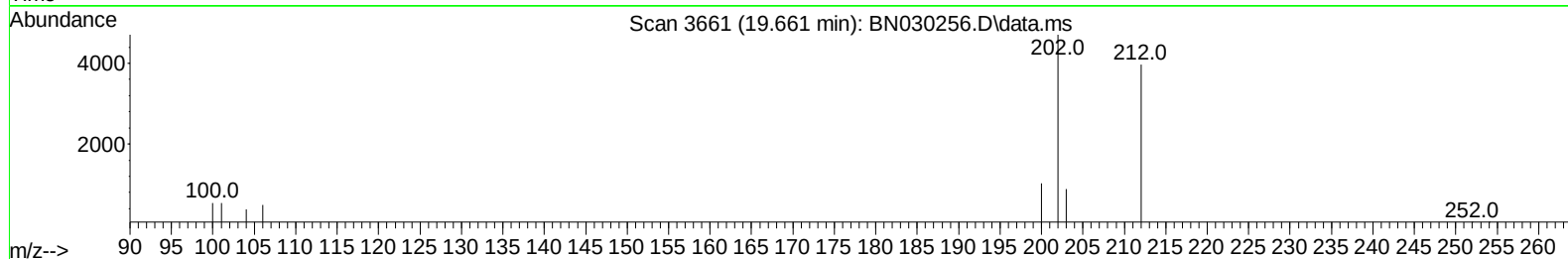
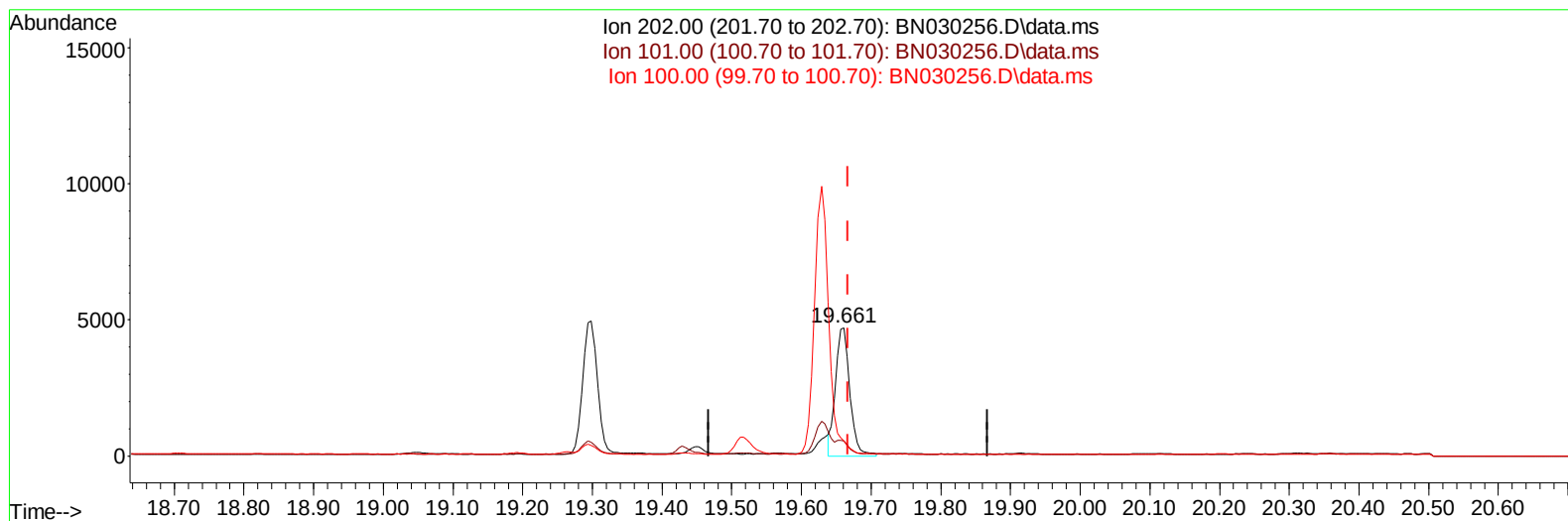
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ALS Vial : 79 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

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TIC: BN030256.D\data.ms

(20) Pyrene

19.661min (-0.006) 0.35 ng/ul m

response 6791

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.20  | 11.60  |
| 100.00 | 11.00  | 11.60  |
| 0.00   | 0.00   | 0.00   |

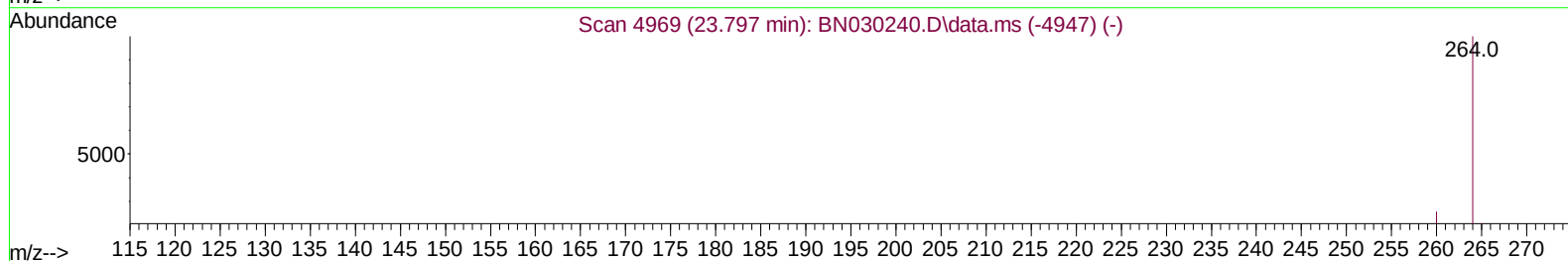
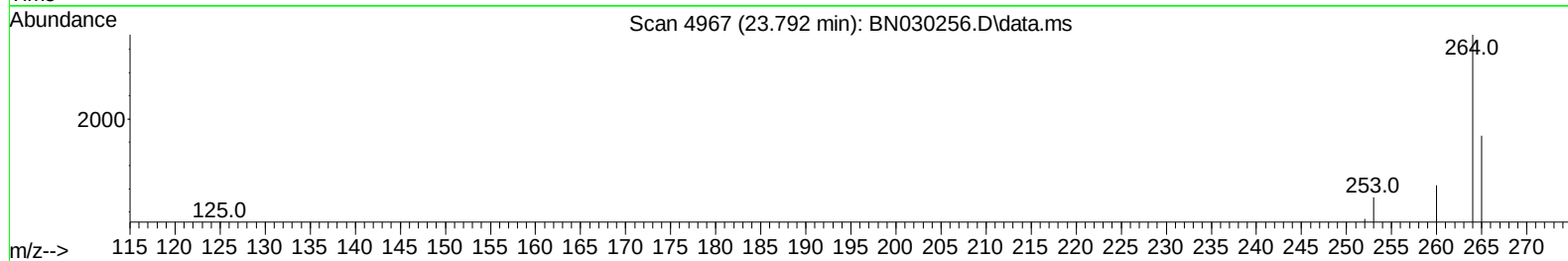
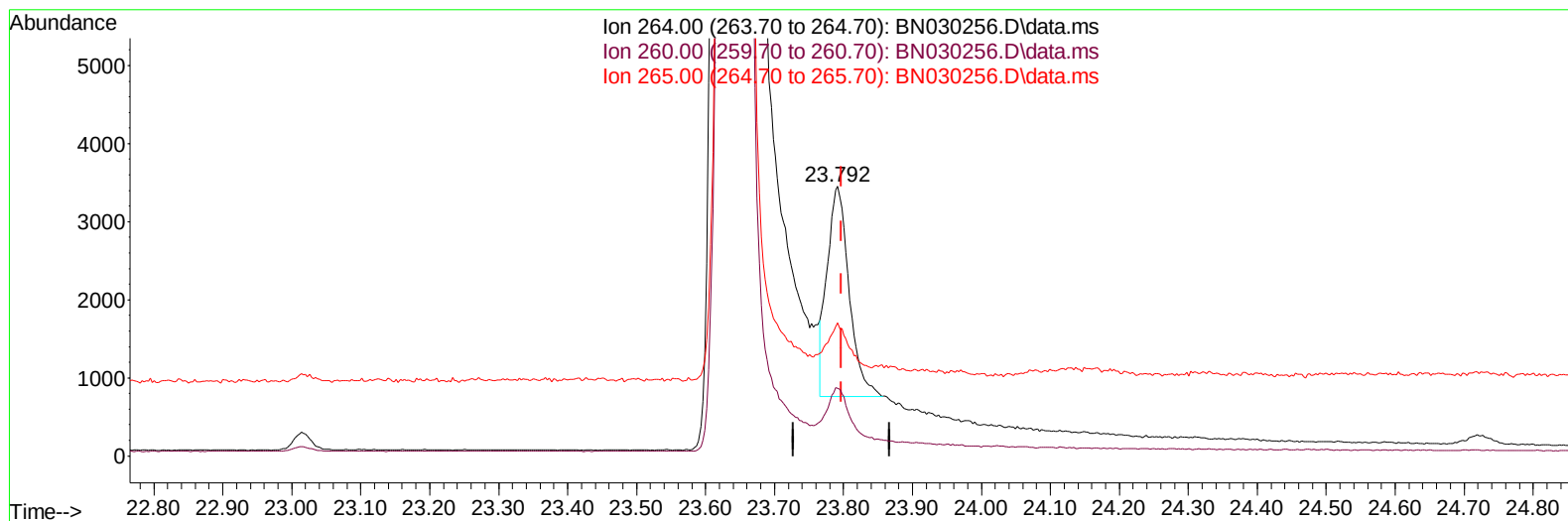
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

## Manual IntegrationsAPPROVED

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TIC: BN030256.D\data.ms

## (23) Perylene-d12 (I)

23.792min (-0.005) 0.40 ng/u1

response 5960

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 29.20  | 25.04  |
| 265.00 | 110.00 | 49.52# |
| 0.00   | 0.00   | 0.00   |

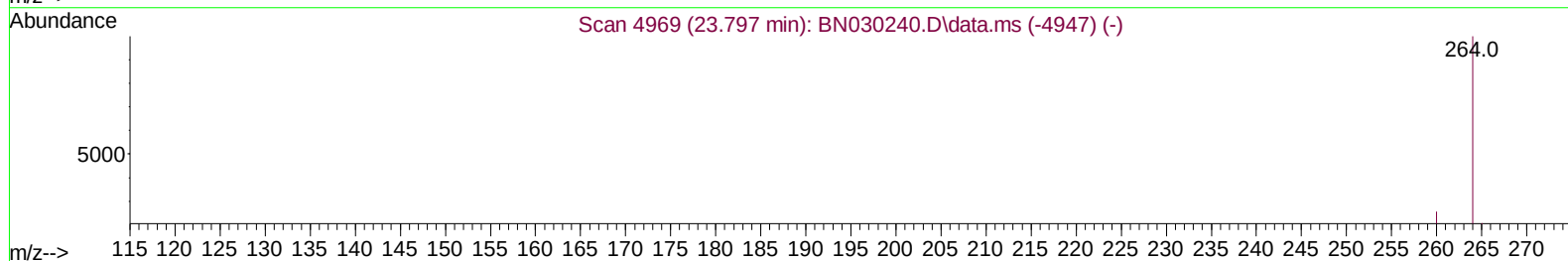
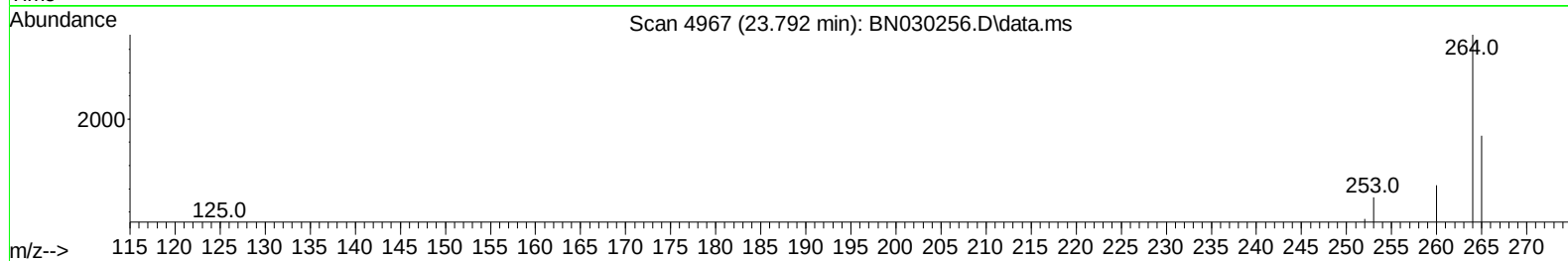
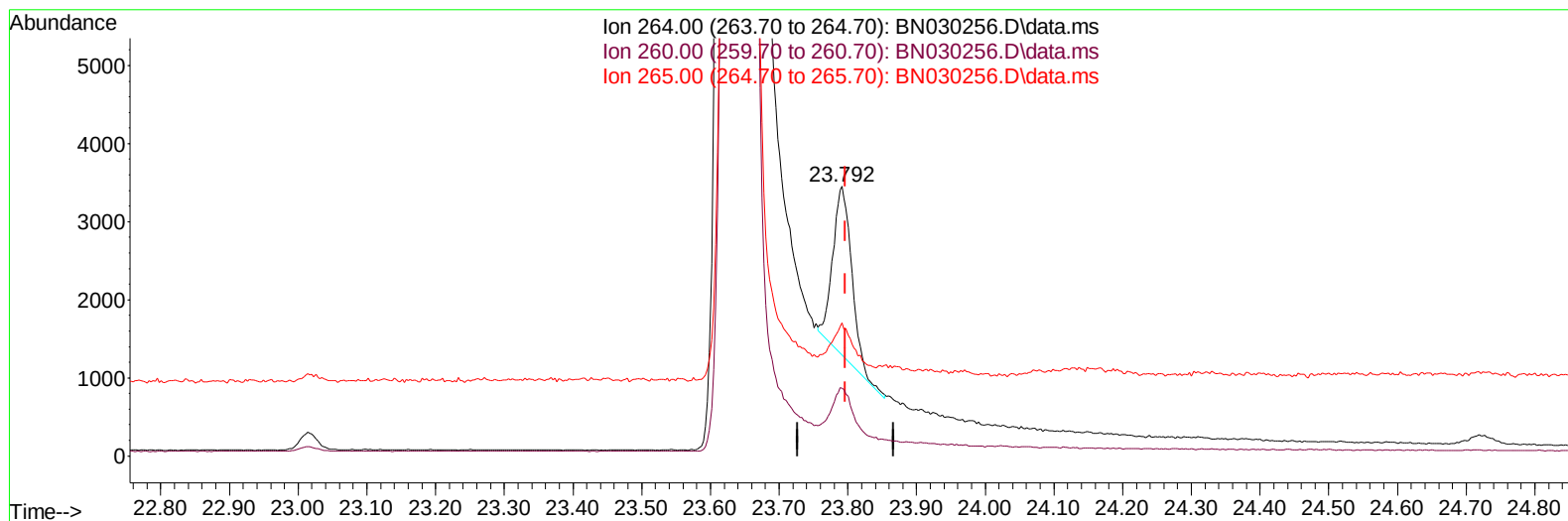
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

Manual IntegrationsAPPROVED

Quant Time: Mar 04 15:32:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/05/2024  
Supervised By :mohammad ahmed 03/05/2024



TIC: BN030256.D\data.ms

(23) Perylene-d12 (I)

23.792min (-0.005) 0.40 ng/ul m

response 4085

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 29.20  | 25.04  |
| 265.00 | 110.00 | 49.52# |
| 0.00   | 0.00   | 0.00   |

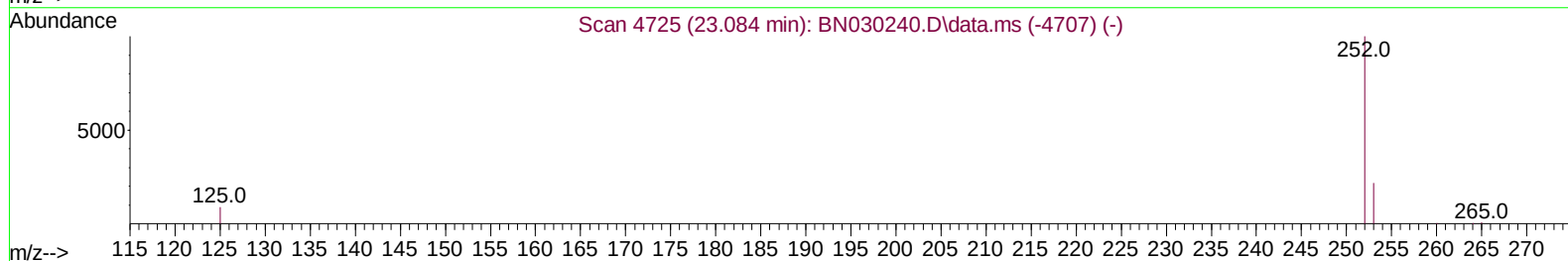
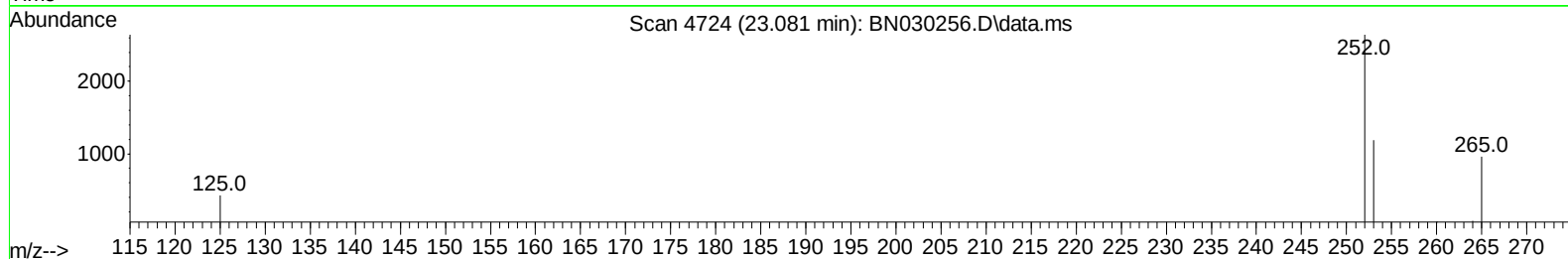
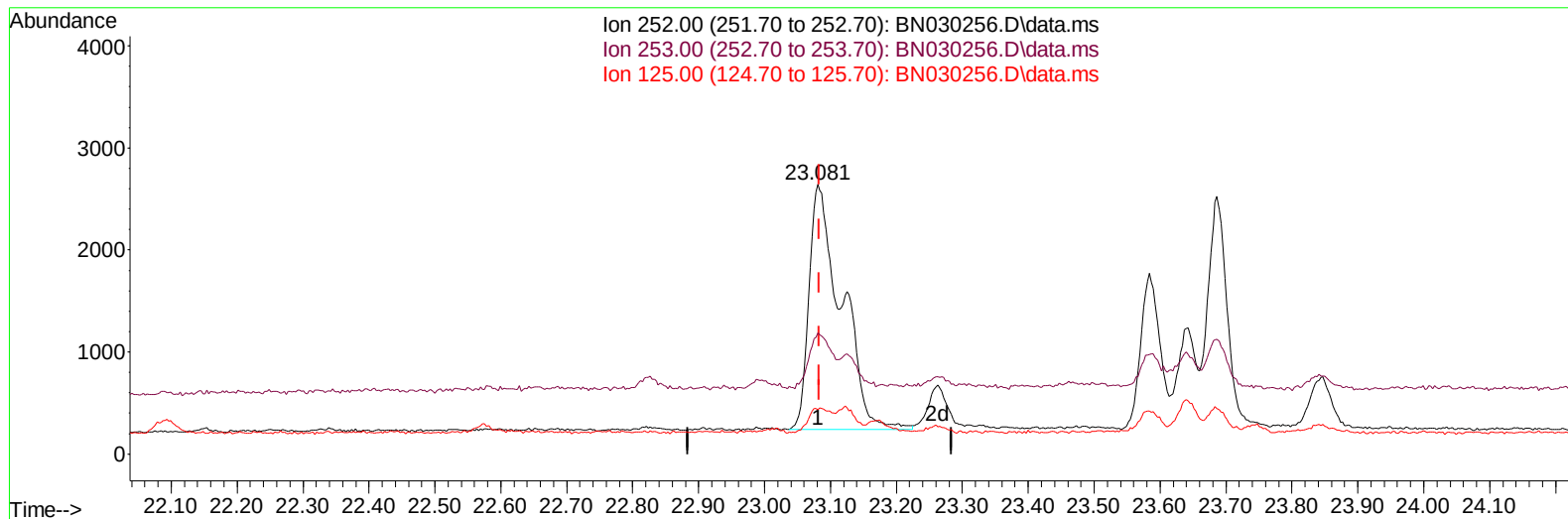
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

Manual IntegrationsAPPROVED

Quant Time: Mar 04 15:32:49 2024  
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QLast Update : Mon Mar 04 05:54:20 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/05/2024  
Supervised By :mohammad ahmed 03/05/2024



TIC: BN030256.D\data.ms

(24) Benzo(b)fluoranthene

23.081min (-0.002) 0.52 ng/u1

response 8167

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.70  | 44.83  |
| 125.00 | 16.40  | 16.32  |
| 0.00   | 0.00   | 0.00   |

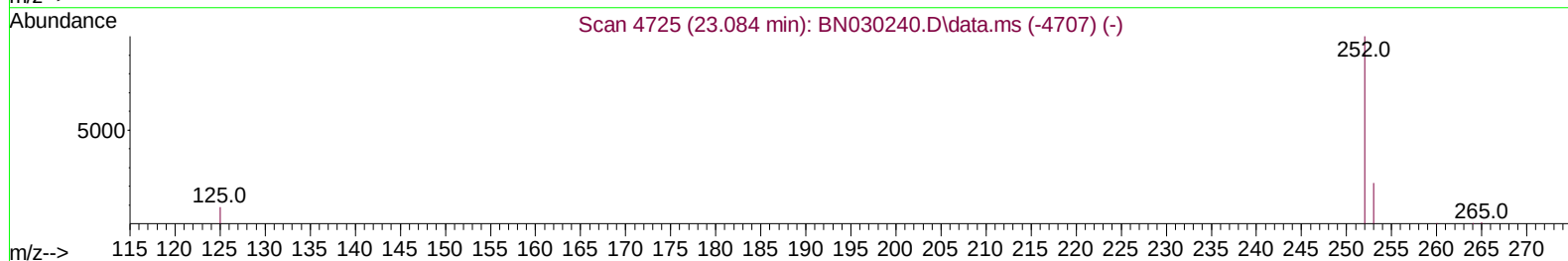
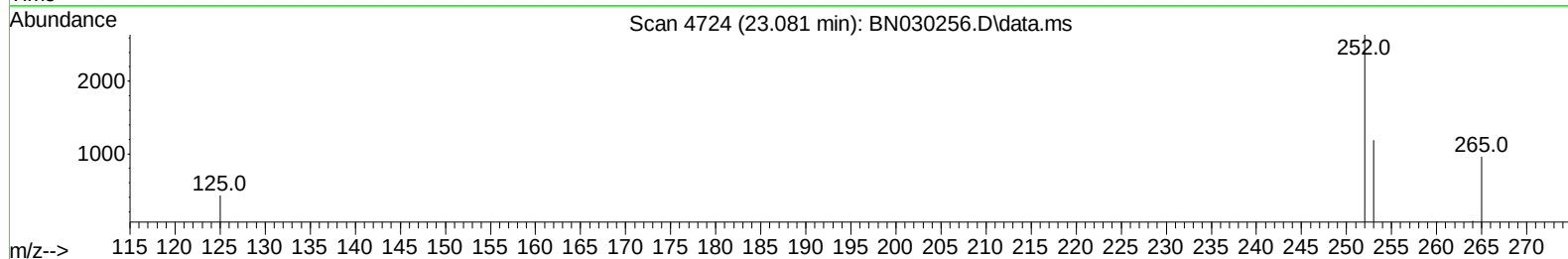
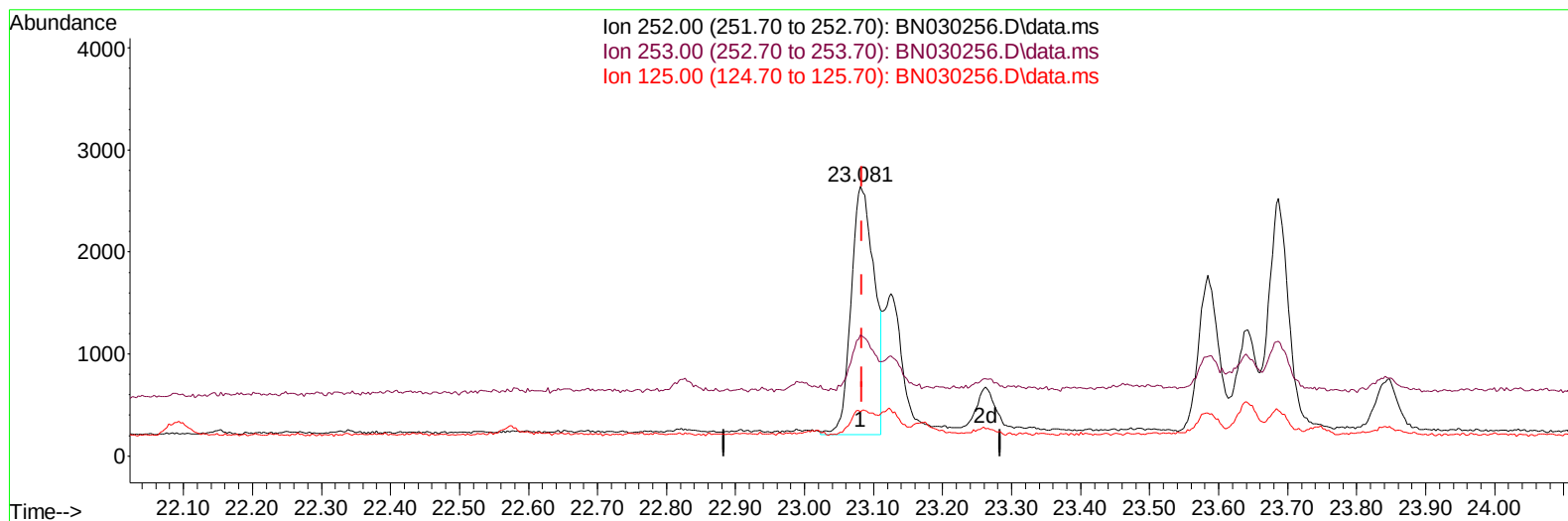
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

Manual IntegrationsAPPROVED

Quant Time: Mar 04 15:32:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 05:54:20 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/05/2024  
Supervised By :mohammad ahmed 03/05/2024



TIC: BN030256.D\data.ms

(24) Benzo(b)fluoranthene

23.081min (-0.002) 0.36 ng/ul m

response 5703

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.70  | 44.83  |
| 125.00 | 16.40  | 16.32  |
| 0.00   | 0.00   | 0.00   |

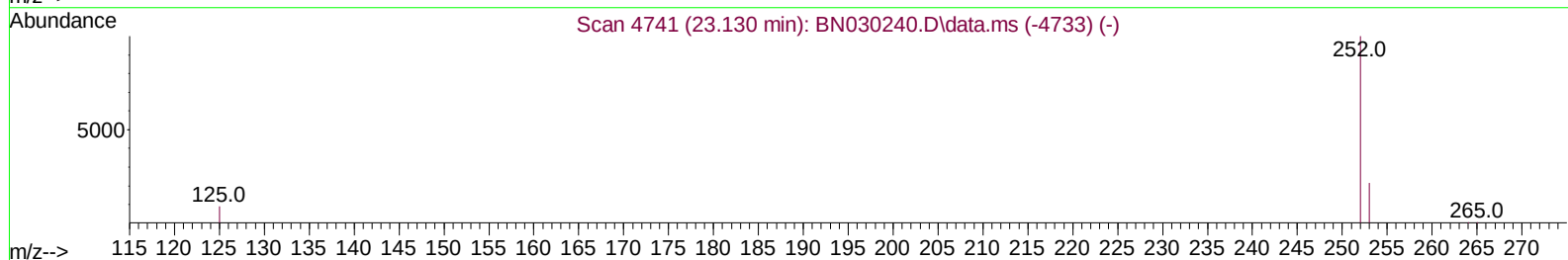
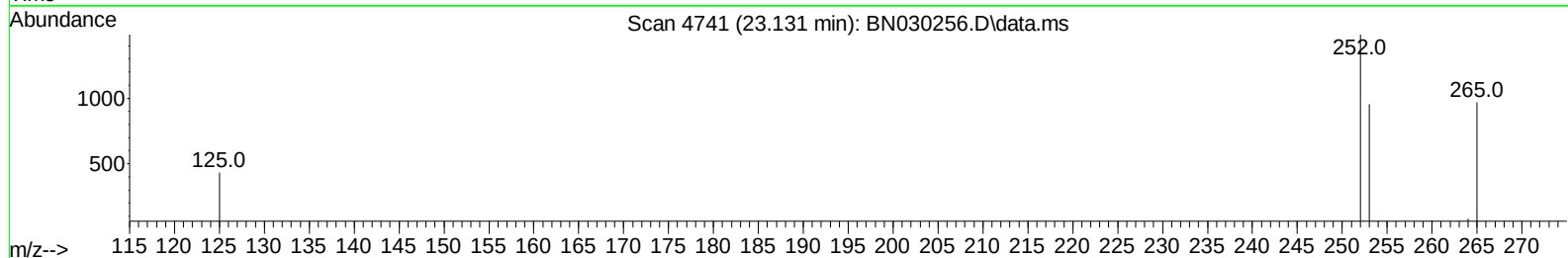
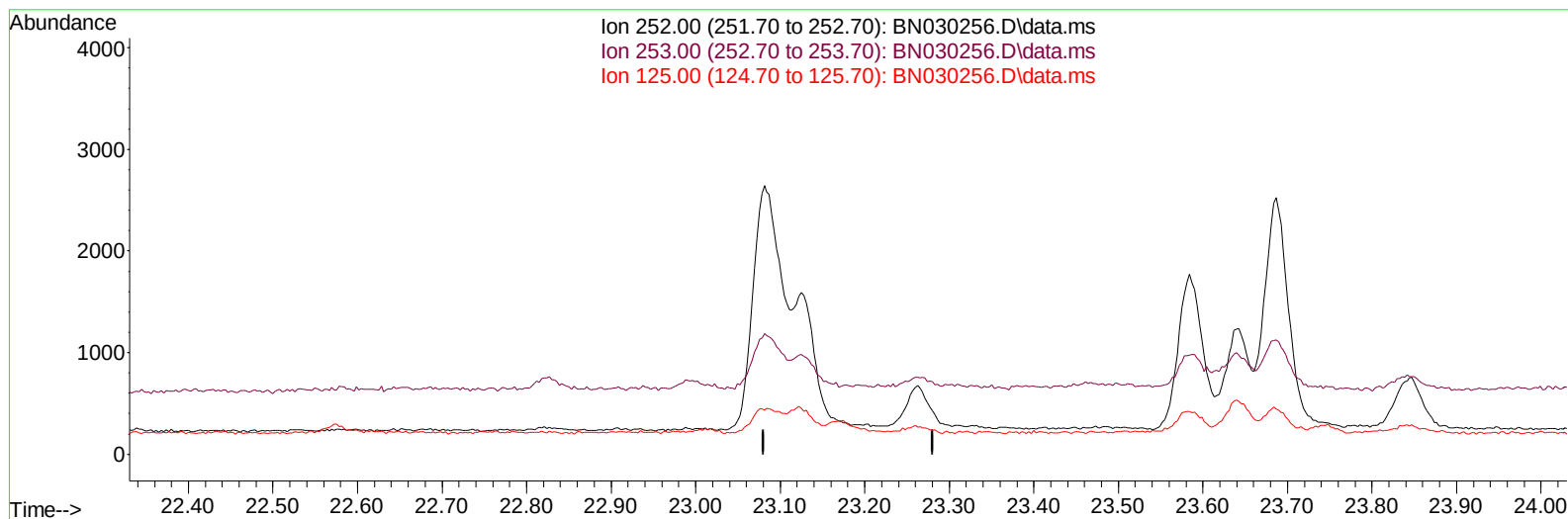
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

Manual IntegrationsAPPROVED

Quant Time: Mar 04 15:32:49 2024  
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QLast Update : Mon Mar 04 05:54:20 2024  
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Reviewed By :Yogesh Patel 03/05/2024  
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TIC: BN030256.D\data.ms

(25) Benzo(k)fluoranthene

23.130min (-23.130) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 35.00  | 0.00# |
| 125.00 | 18.00  | 0.00# |
| 0.00   | 0.00   | 0.00  |

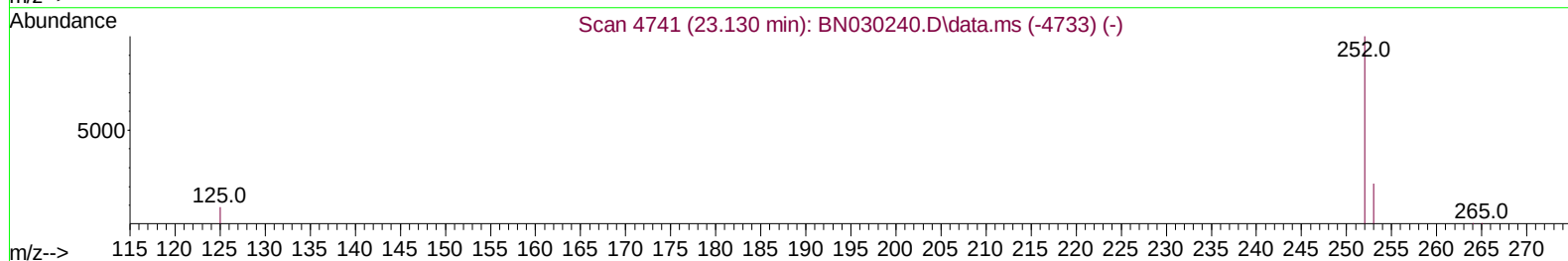
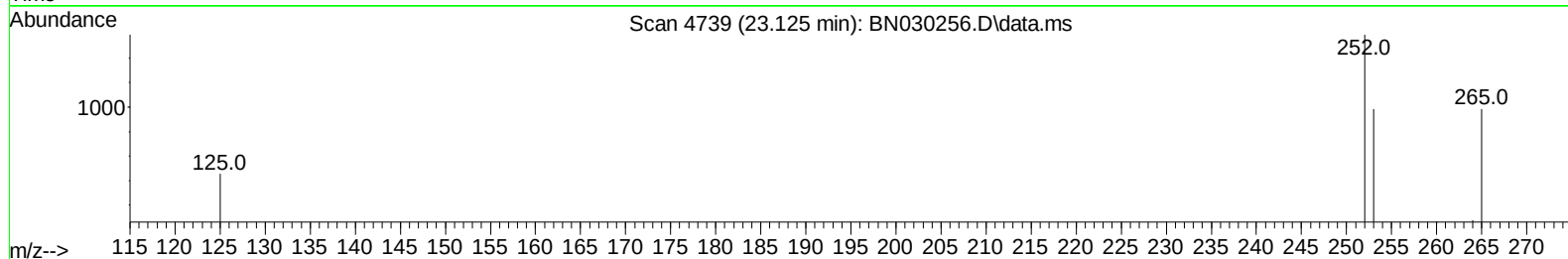
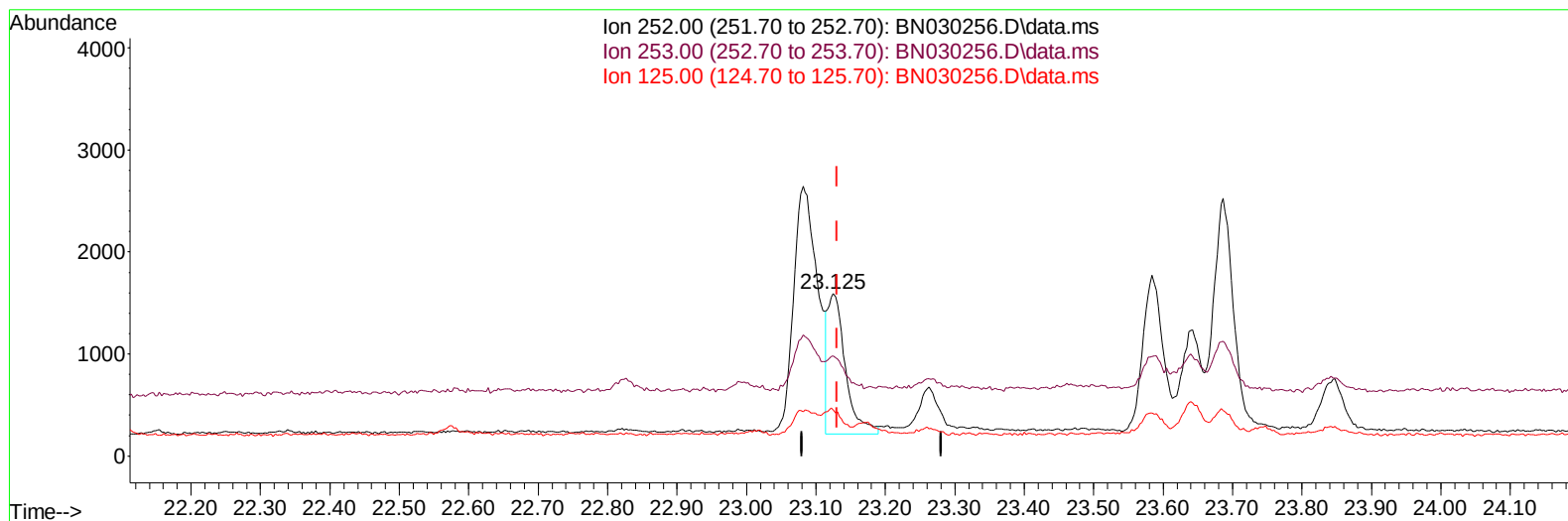
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030256.D  
Acq On : 04 Mar 2024 14:37  
Operator : MA/JU  
Sample : P1512-02  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E0S93

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2024  
Supervised By :mohammad ahmed 03/05/2024

Quant Time: Mar 04 15:32:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 05:54:20 2024  
Response via : Initial Calibration



TIC: BN030256.D\data.ms

## (25) Benzo(k)fluoranthene

23.125min (-0.005) 0.13 ng/ul m

response 2469

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 35.00  | 61.79# |
| 125.00 | 18.00  | 28.60# |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
 Data File : BN030256.D  
 Acq On : 04 Mar 2024 14:37  
 Operator : MA/JU  
 Sample : P1512-02  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0S93

## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.830  | 152 |     | 1674     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.622 | 136 |     | 4433     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.473 | 164 |     | 2140     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.229 | 188 |     | 4456     | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.445 | 240 |     | 4053     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.792 | 264 |     | 4085m    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.302  | 96  |     | 13349    | 5.760 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.222 | 152 |     | 2165     | 0.378 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.266 | 212 |     | 4630     | 0.351 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.671 | 128 |     | 1813     | 0.139 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.293 | 142 |     | 377      | 0.053 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.519 | 142 |     | 206      | 0.027 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.191 | 152 |     | 713      | 0.060 | ng/ul# | 79       |
| 11) Acenaphthene            | 14.538 | 153 |     | 293      | 0.033 | ng/ul  | 94       |
| 12) Fluorene                | 15.523 | 166 |     | 582      | 0.065 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.267 | 178 |     | 3472     | 0.232 | ng/ul  | 99       |
| 16) Anthracene              | 17.360 | 178 |     | 958      | 0.073 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.299 | 202 |     | 7237     | 0.402 | ng/ul  | 97       |
| 20) Pyrene                  | 19.661 | 202 |     | 6791m    | 0.347 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.427 | 228 |     | 3482     | 0.243 | ng/ul  | 92       |
| 22) Chrysene                | 21.480 | 228 |     | 3581     | 0.208 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 23.081 | 252 |     | 5703m    | 0.362 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.125 | 252 |     | 2469m    | 0.133 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.686 | 252 |     | 4462     | 0.278 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.222 | 276 |     | 3358     | 0.164 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.249 | 278 |     | 885      | 0.056 | ng/ul# | 28       |
| 29) Benzo(g,h,i)perylene    | 26.964 | 276 |     | 3694     | 0.194 | ng/ul  | 97       |
| -----                       |        |     |     |          |       |        |          |

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

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