

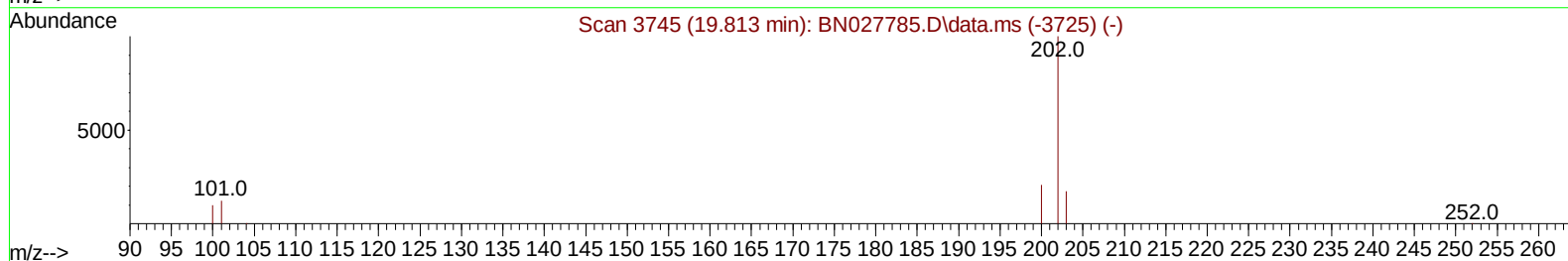
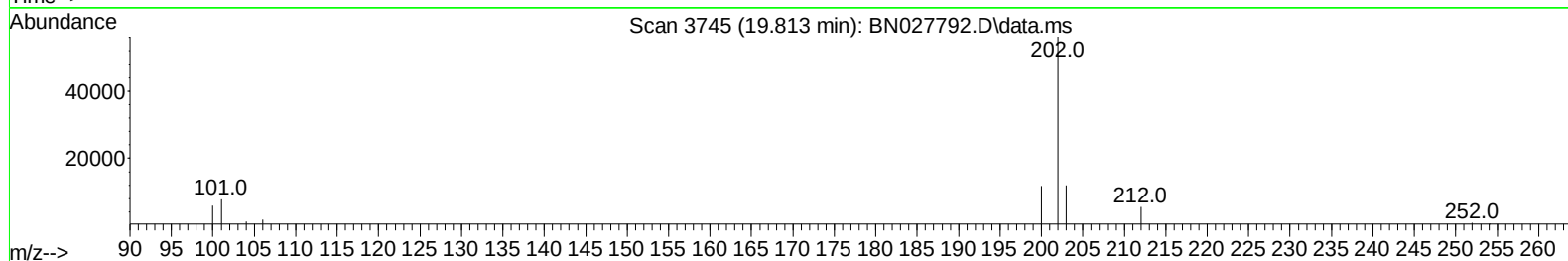
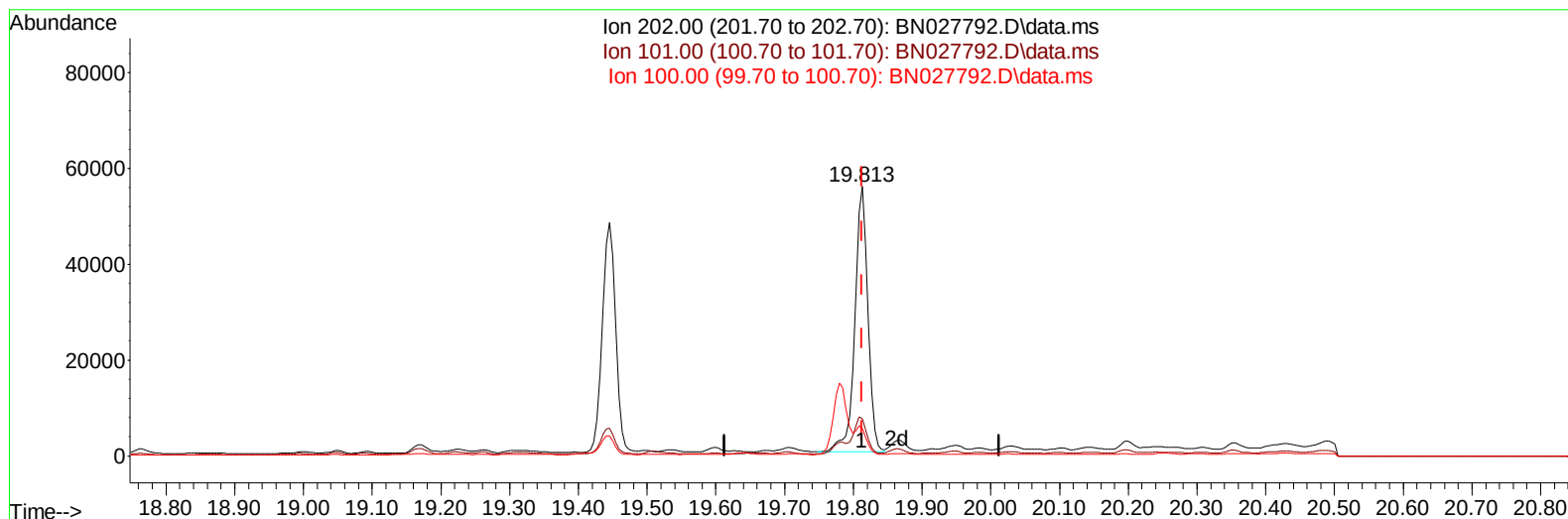
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
Acq On : 21 Sep 2023 18:15  
Operator : MA/JU  
Sample : 04330-15  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYG1

Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 22 03:58:00 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/22/2023  
Supervised By :mohammad ahmed 09/25/2023



TIC: BN027792.D\data.ms

(20) Pyrene

19.813min (+ 0.000) 0.71 ng/u1

response 73236

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.20  | 13.86  |
| 100.00 | 11.40  | 10.33  |
| 0.00   | 0.00   | 0.00   |

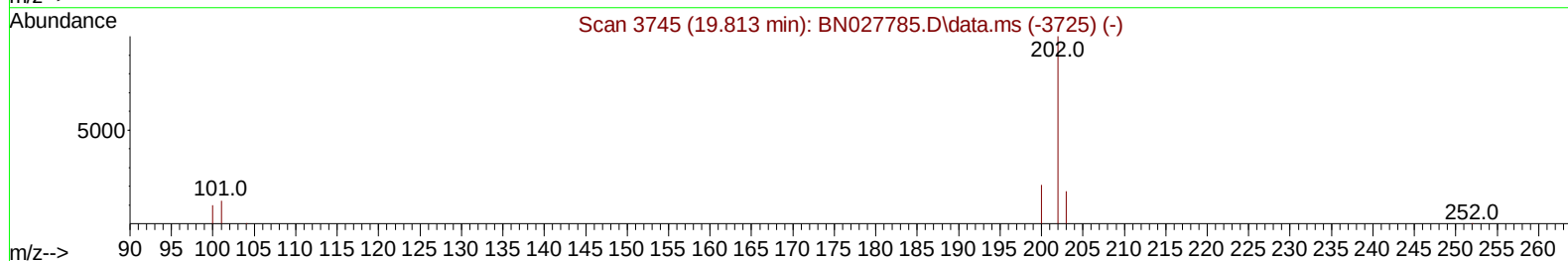
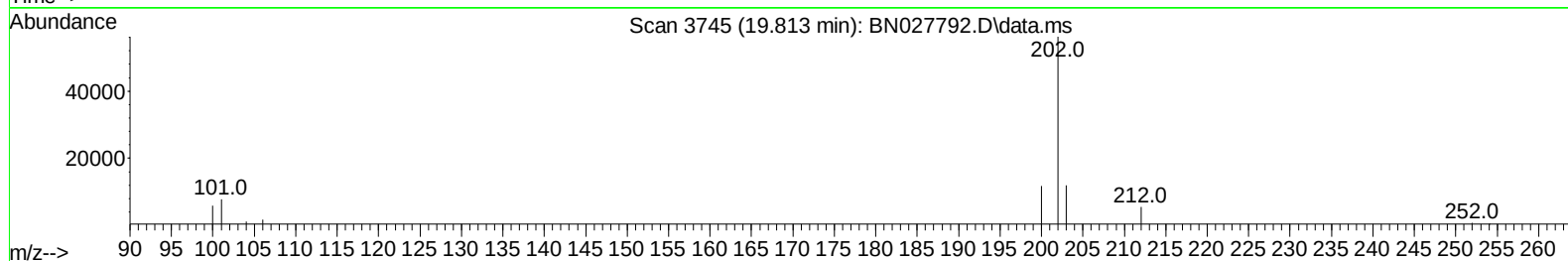
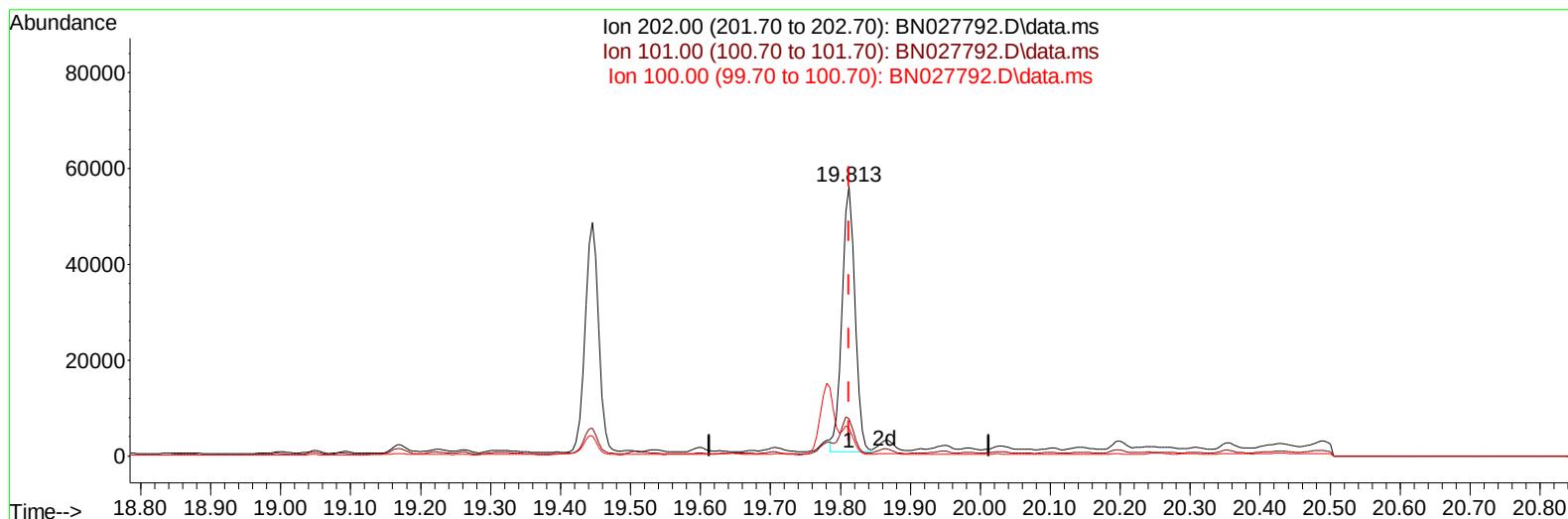
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN027792.D\data.ms

(20) Pyrene

19.813min (+ 0.000) 0.68 ng/ul m

response 70495

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.20  | 13.86  |
| 100.00 | 11.40  | 10.33  |
| 0.00   | 0.00   | 0.00   |

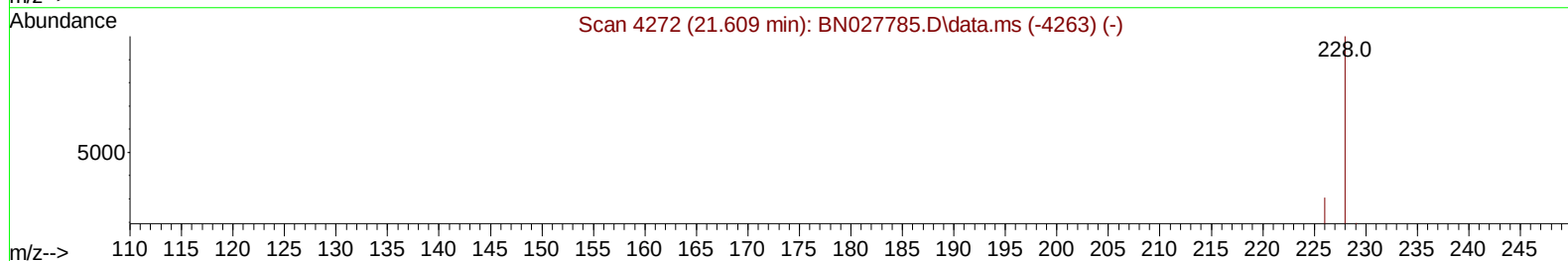
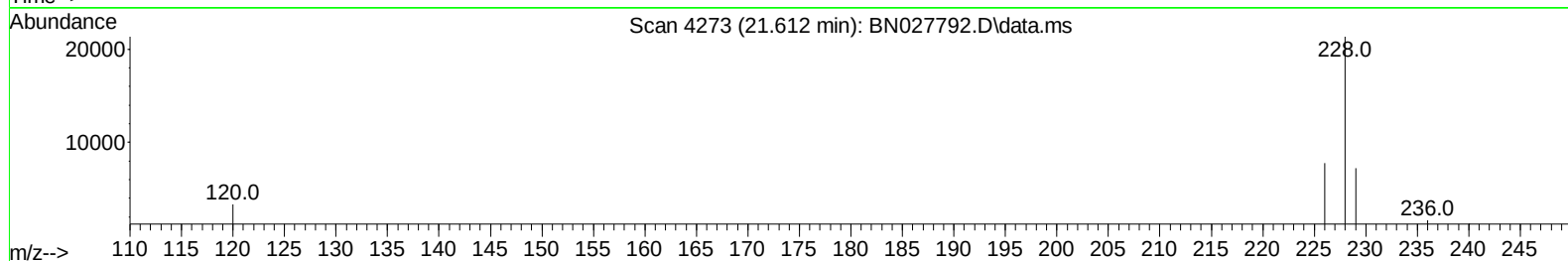
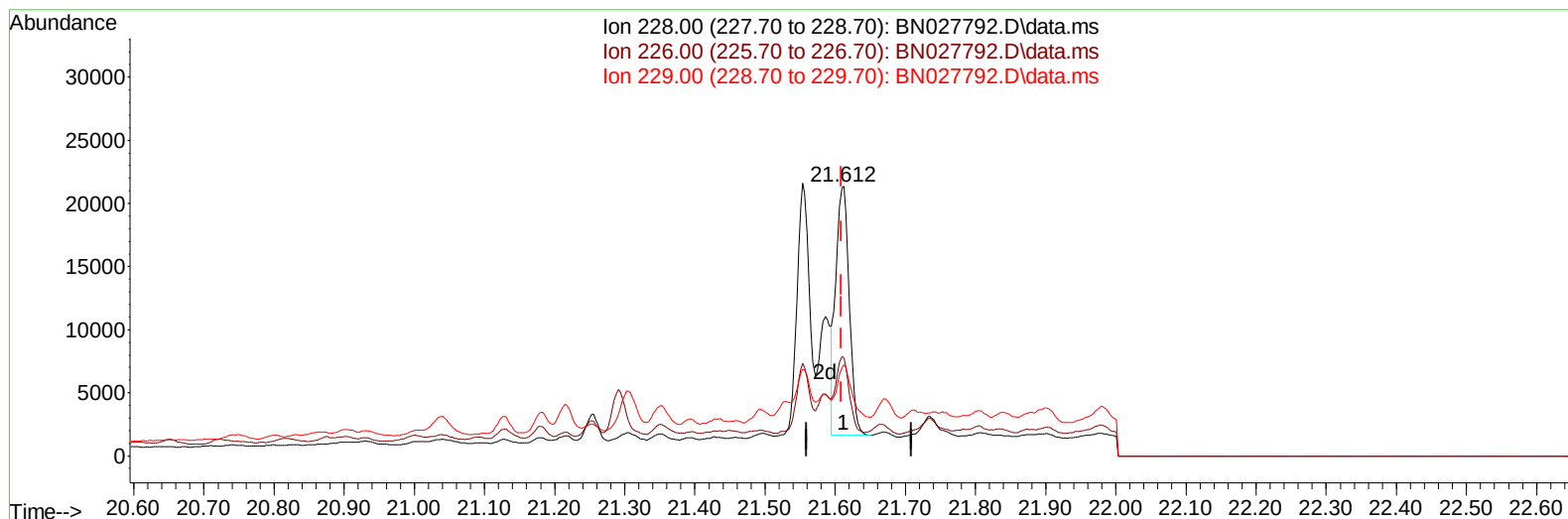
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
 Data File : BN027792.D  
 Acq On : 21 Sep 2023 18:15  
 Operator : MA/JU  
 Sample : 04330-15  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYG1

Manual IntegrationsAPPROVED

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TIC: BN027792.D\data.ms

(22) Chrysene

21.612min (+ 0.003) 0.26 ng/u1

response 26140

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.60  | 36.55  |
| 229.00 | 20.00  | 33.96# |
| 0.00   | 0.00   | 0.00   |

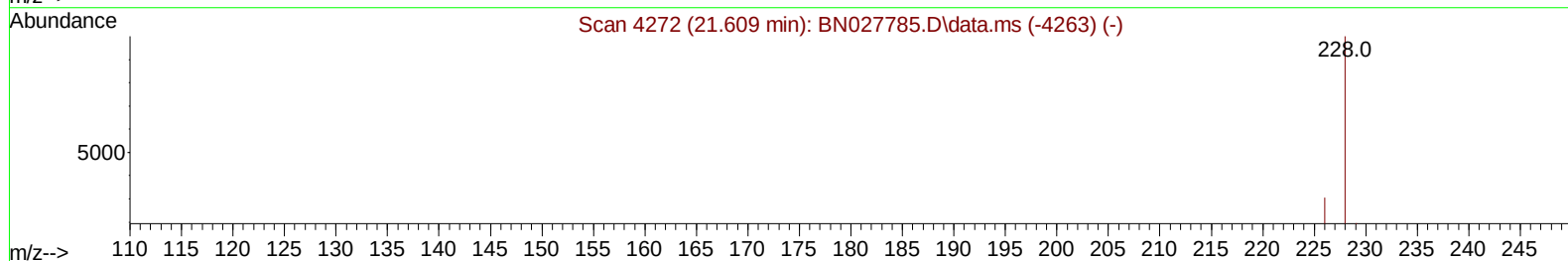
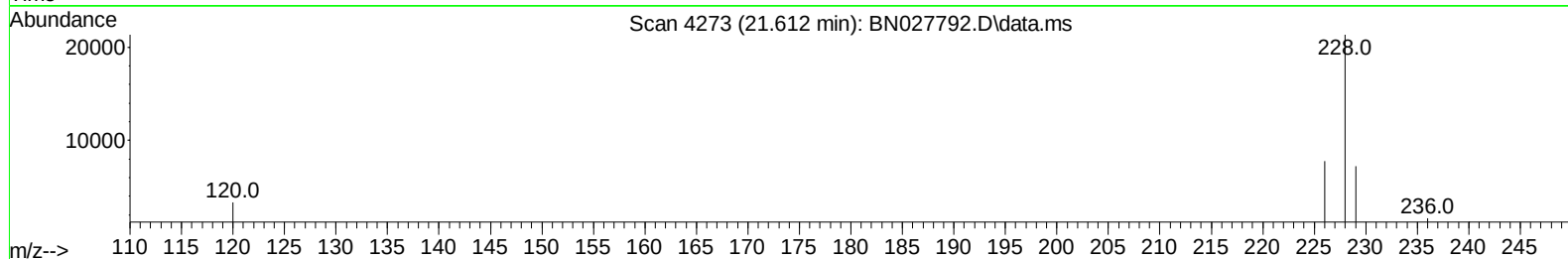
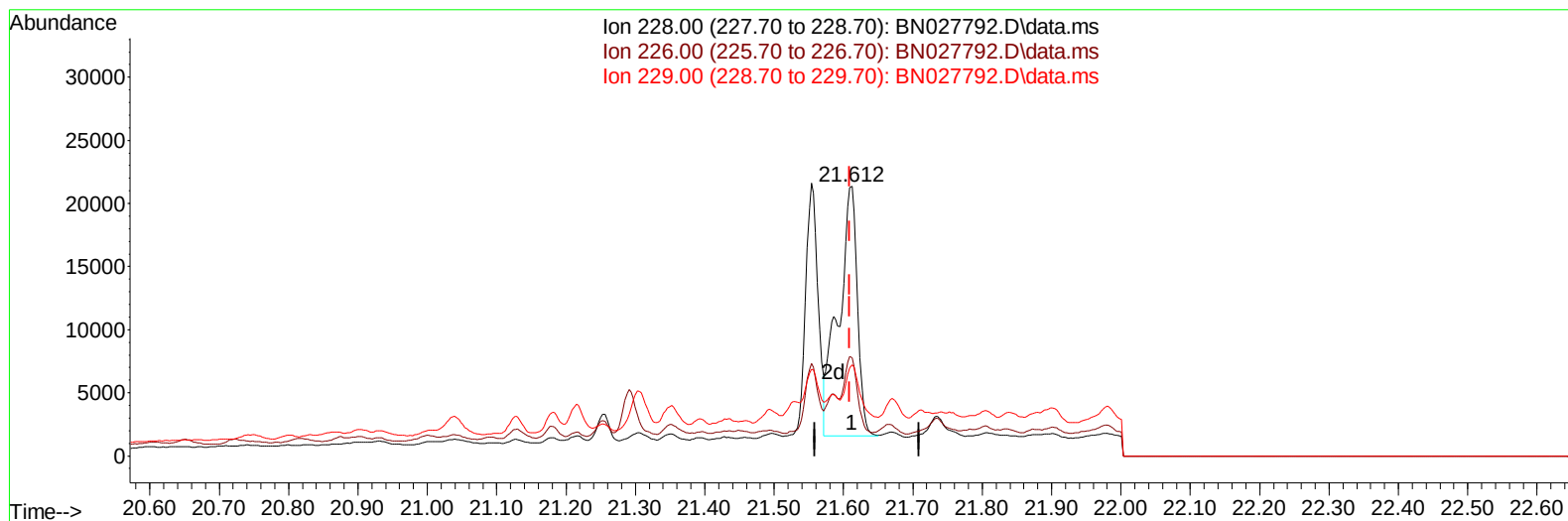
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
 Data File : BN027792.D  
 Acq On : 21 Sep 2023 18:15  
 Operator : MA/JU  
 Sample : 04330-15  
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
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TIC: BN027792.D\data.ms

(22) Chrysene

21.612min (+ 0.003) 0.38 ng/ul m

response 37573

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.60  | 36.55  |
| 229.00 | 20.00  | 33.96# |
| 0.00   | 0.00   | 0.00   |

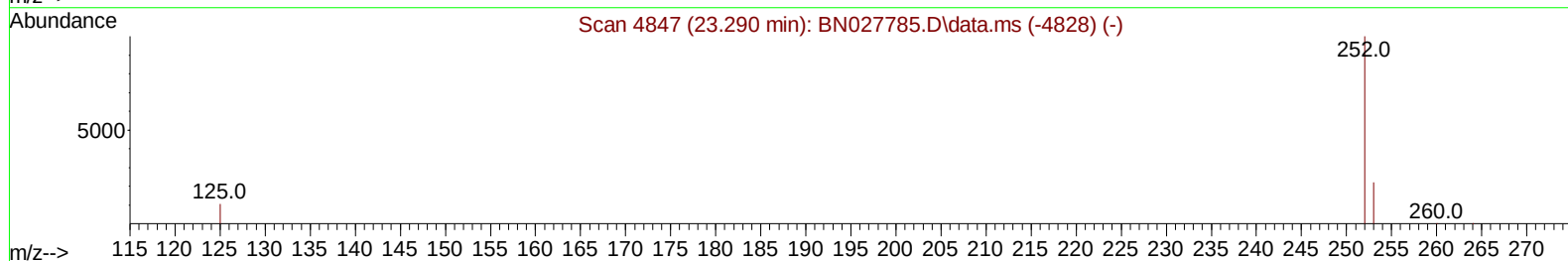
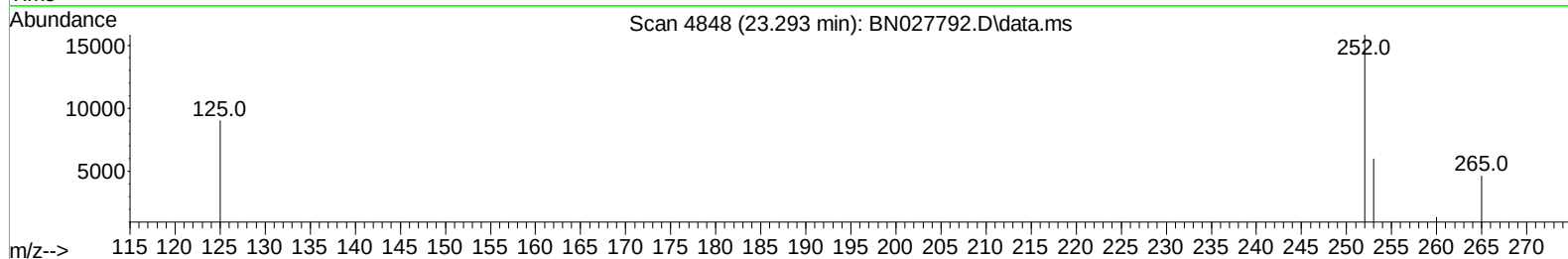
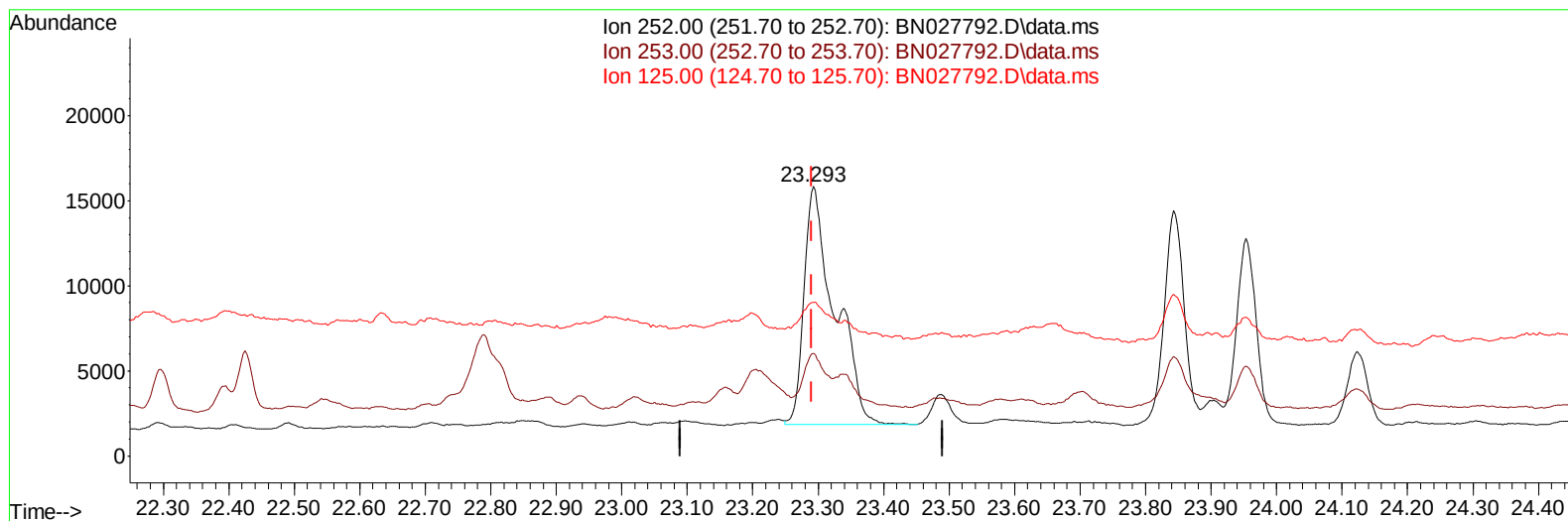
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
Acq On : 21 Sep 2023 18:15  
Operator : MA/JU  
Sample : 04330-15  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYG1

Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
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QLast Update : Fri Sep 22 03:58:00 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/22/2023  
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TIC: BN027792.D\data.ms

(24) Benzo(b)fluoranthene

23.293min (+ 0.003) 0.45 ng/u1

response 45611

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 38.08  |
| 125.00 | 15.70  | 57.02# |
| 0.00   | 0.00   | 0.00   |

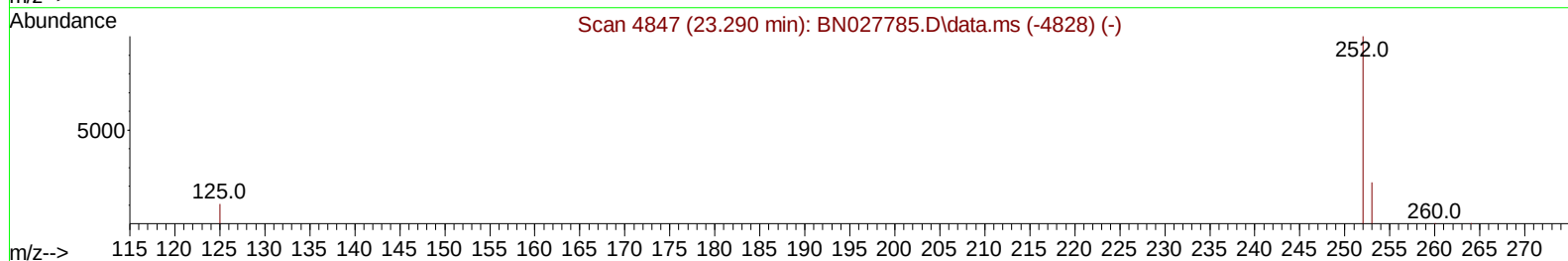
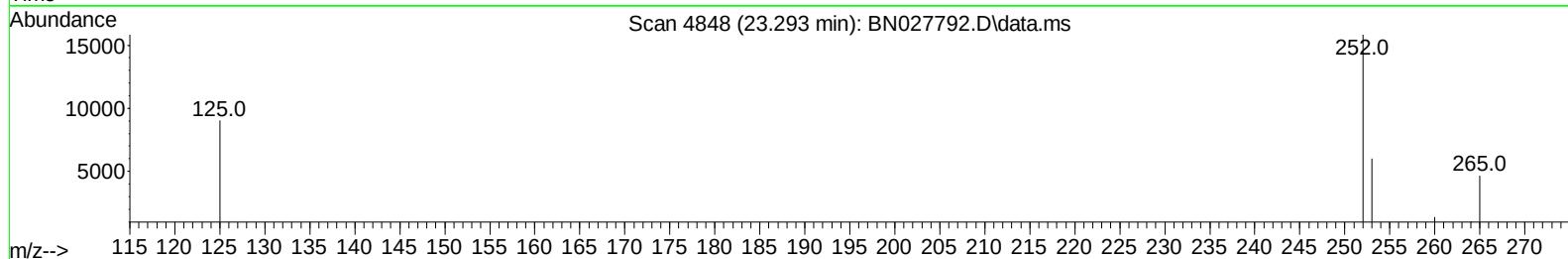
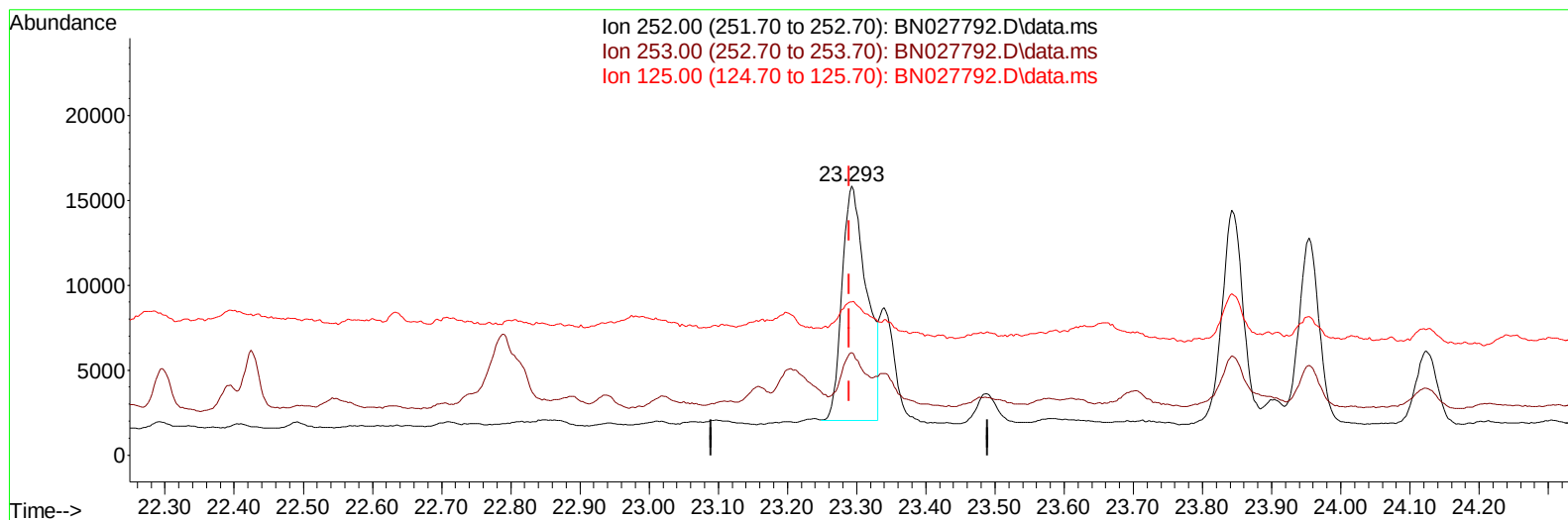
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
Acq On : 21 Sep 2023 18:15  
Operator : MA/JU  
Sample : 04330-15  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYG1

Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 22 03:58:00 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/22/2023  
Supervised By :mohammad ahmed 09/25/2023



TIC: BN027792.D\data.ms

(24) Benzo(b)fluoranthene

23.293min (+ 0.003) 0.34 ng/ul m

response 34440

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 38.08  |
| 125.00 | 15.70  | 57.02# |
| 0.00   | 0.00   | 0.00   |

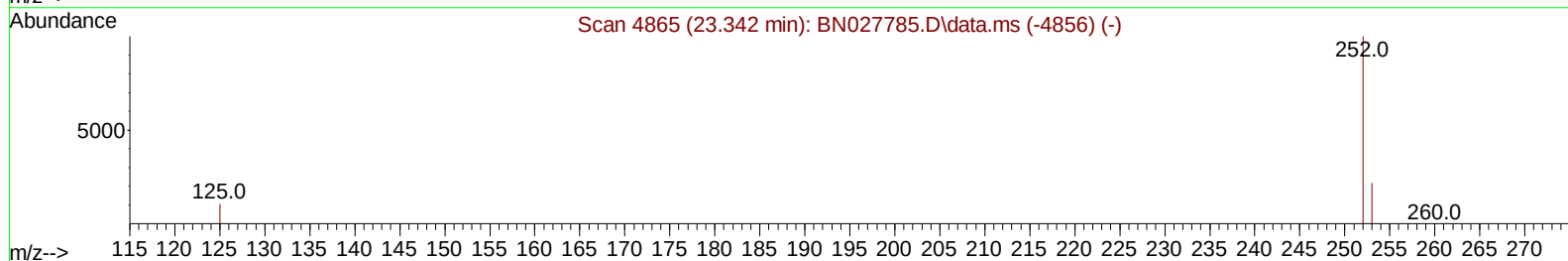
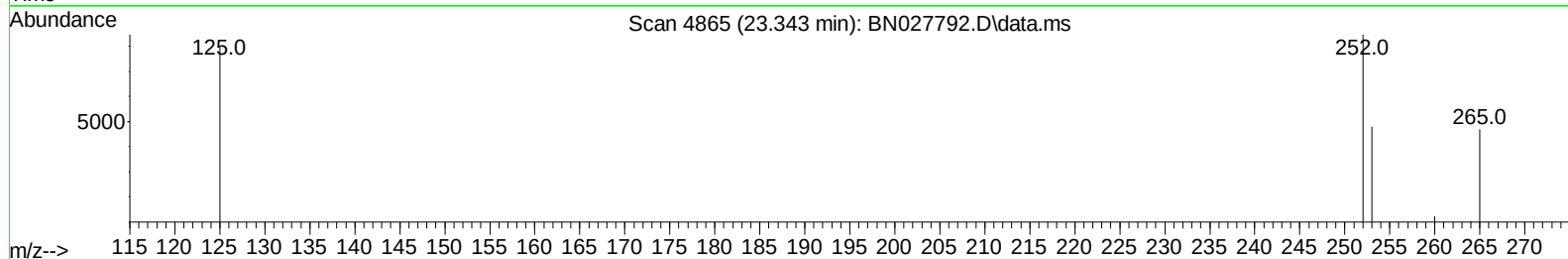
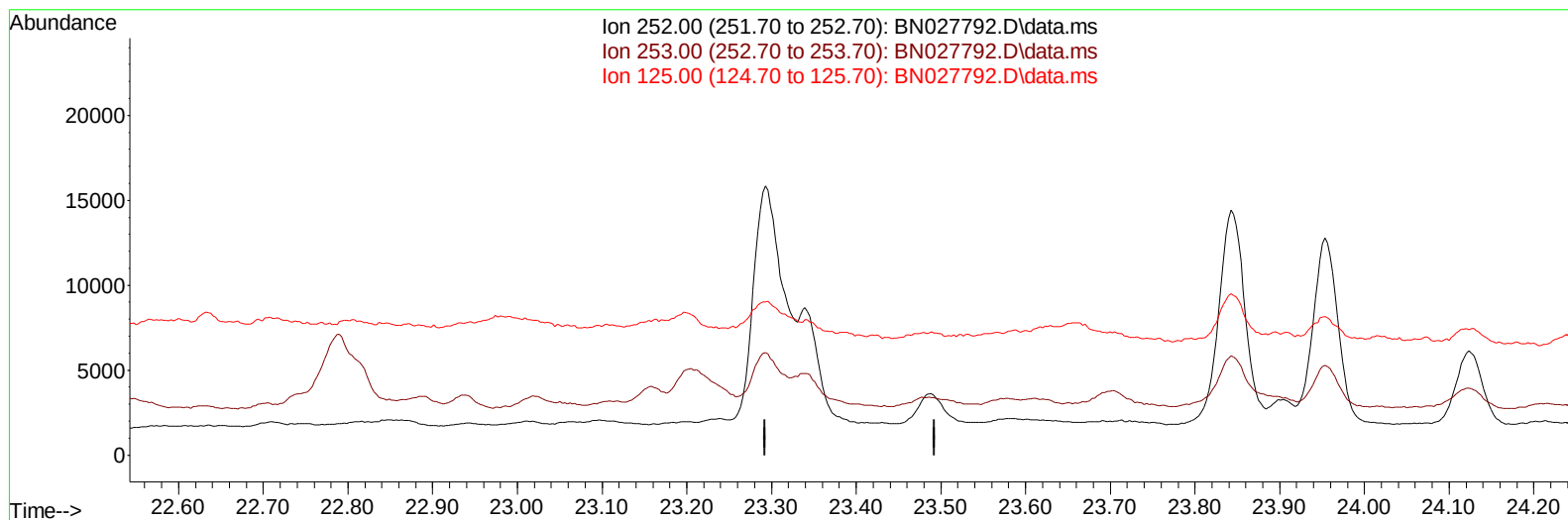
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
Acq On : 21 Sep 2023 18:15  
Operator : MA/JU  
Sample : 04330-15  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYG1

Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
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QLast Update : Fri Sep 22 03:58:00 2023  
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Reviewed By :Yogesh Patel 09/22/2023  
Supervised By :mohammad ahmed 09/25/2023



TIC: BN027792.D\data.ms

(25) Benzo(k)fluoranthene

23.342min (-23.342) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 24.90  | 0.00# |
| 125.00 | 15.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

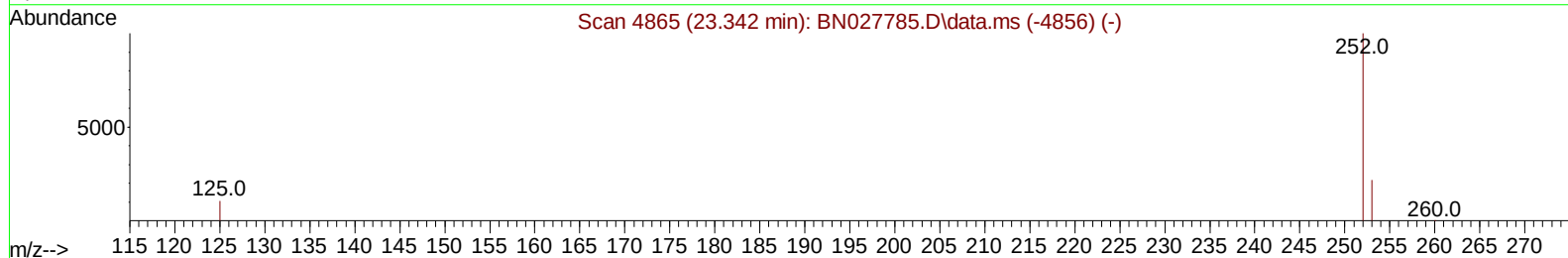
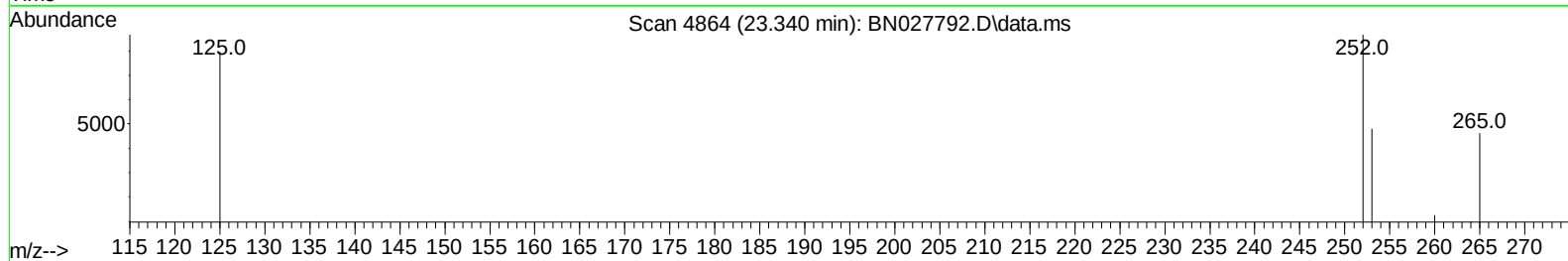
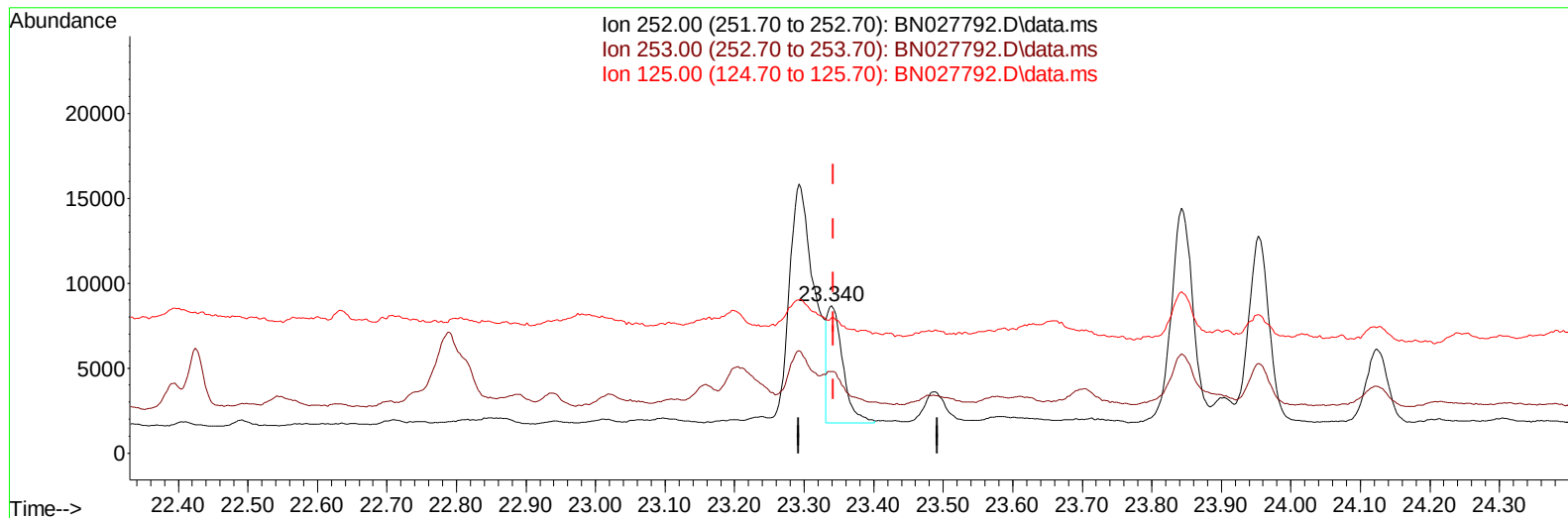
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
Data File : BN027792.D  
Acq On : 21 Sep 2023 18:15  
Operator : MA/JU  
Sample : 04330-15  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYG1

Manual IntegrationsAPPROVED

Quant Time: Sep 22 04:01:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 22 03:58:00 2023  
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Supervised By :mohammad ahmed 09/25/2023



TIC: BN027792.D\data.ms

(25) Benzo(k)fluoranthene

23.340min (-0.003) 0.11 ng/ul m

response 10636

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.90  | 55.47# |
| 125.00 | 15.80  | 91.90# |
| 0.00   | 0.00   | 0.00   |



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 Data File : BN027792.D  
 Acq On : 21 Sep 2023 18:15  
 Operator : MA/JU  
 Sample : 04330-15  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYG1

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/22/2023  
 Supervised By :mohammad ahmed 09/25/2023

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.004  | 152 |     | 6848     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.828 | 136 |     | 22748    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.643 | 164 |     | 13369    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.392 | 188 |     | 30177    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.571 | 240 |     | 24892    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.068 | 264 |     | 22707    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.384  | 96  |     | 18208    | 2.111 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.401 | 152 |     | 9145     | 0.265 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.413 | 212 |     | 23987    | 0.316 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.422  | 88  |     | 634      | 0.071 | ng/ul# | 48       |
| 5) Naphthalene              | 10.878 | 128 |     | 16864    | 0.259 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.478 | 142 |     | 10708    | 0.260 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.698 | 142 |     | 8106     | 0.190 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.370 | 152 |     | 1933     | 0.033 | ng/ul# | 70       |
| 11) Acenaphthene            | 14.707 | 153 |     | 3585     | 0.071 | ng/ul  | 99       |
| 12) Fluorene                | 15.688 | 166 |     | 4315     | 0.073 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.434 | 178 |     | 43047    | 0.454 | ng/ul  | 98       |
| 16) Anthracene              | 17.527 | 178 |     | 6892     | 0.087 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.446 | 202 |     | 65051    | 0.646 | ng/ul  | 99       |
| 20) Pyrene                  | 19.813 | 202 |     | 70495m   | 0.680 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.554 | 228 |     | 25305    | 0.263 | ng/ul# | 82       |
| 22) Chrysene                | 21.612 | 228 |     | 37573m   | 0.378 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.293 | 252 |     | 34440m   | 0.340 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.340 | 252 |     | 10636m   | 0.108 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.954 | 252 |     | 22589    | 0.277 | ng/ul# | 44       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.686 | 276 |     | 15233    | 0.146 | ng/ul# | 93       |
| 29) Benzo(g,h,i)perylene    | 27.511 | 276 |     | 27723    | 0.313 | ng/ul# | 81       |
| -----                       |        |     |     |          |       |        |          |

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

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