

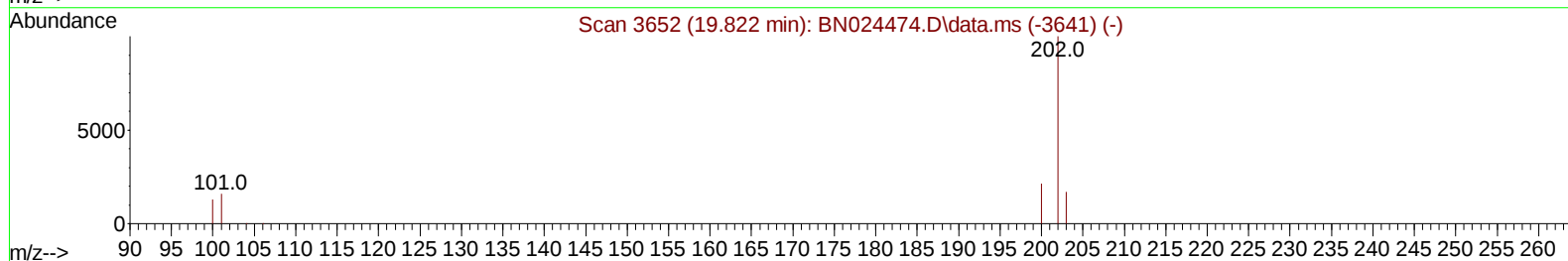
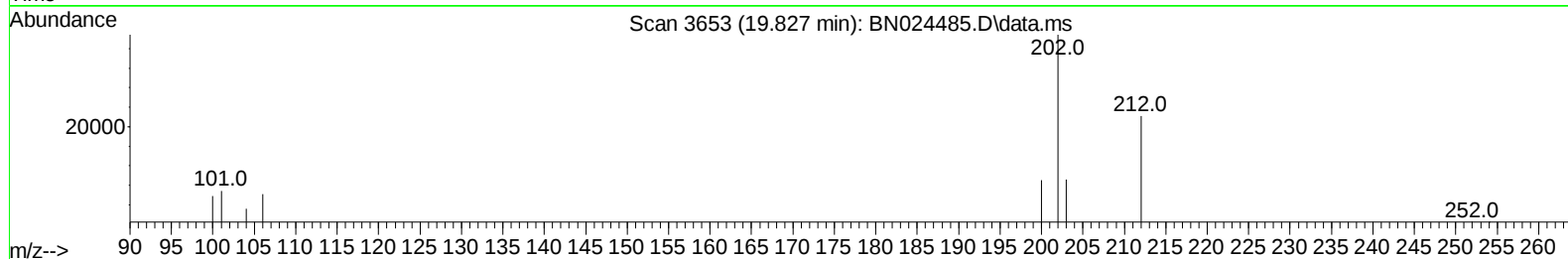
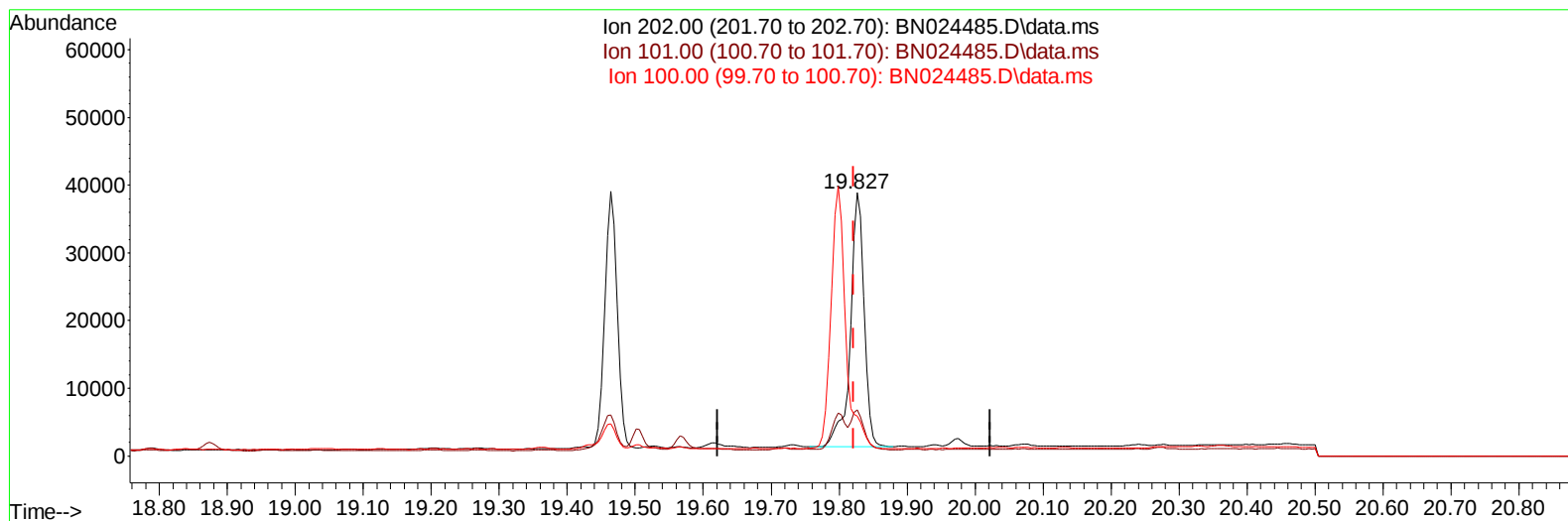
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
 Data File : BN024485.D  
 Acq On : 22 Mar 2023 18:25  
 Operator : CG/JU  
 Sample : 01947-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB937

Manual IntegrationsAPPROVED

Quant Time: Mar 23 03:10:46 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN030923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 14:57:36 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/23/2023  
 Supervised By :Jagrut Upadhyay 03/23/2023



TIC: BN024485.D\data.ms

(20) Pyrene

19.827min (+ 0.005) 0.45 ng/u1

response 52458

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.10  | 17.60  |
| 100.00 | 11.70  | 15.01# |
| 0.00   | 0.00   | 0.00   |

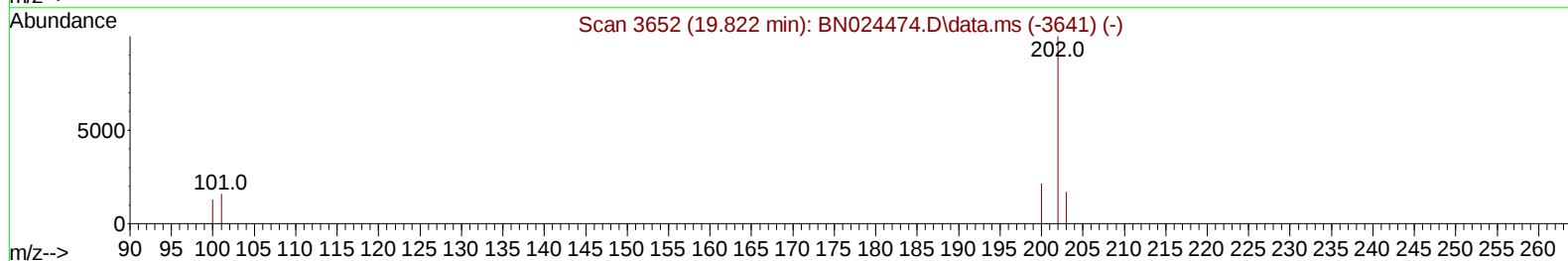
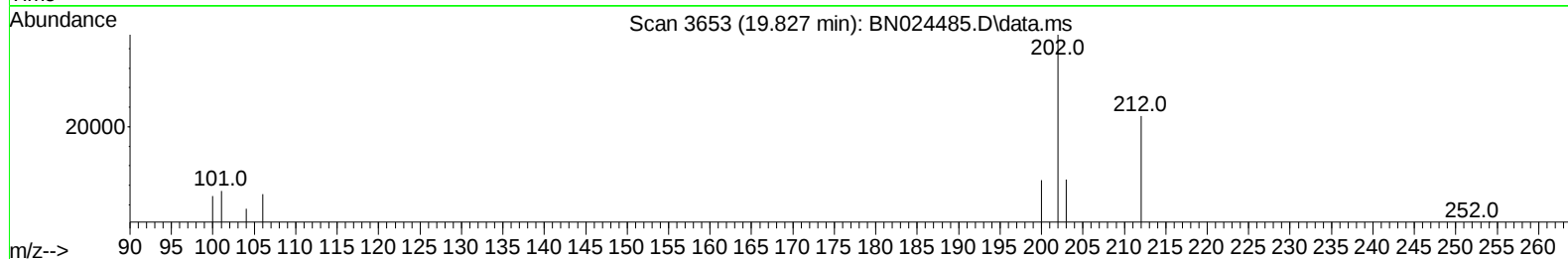
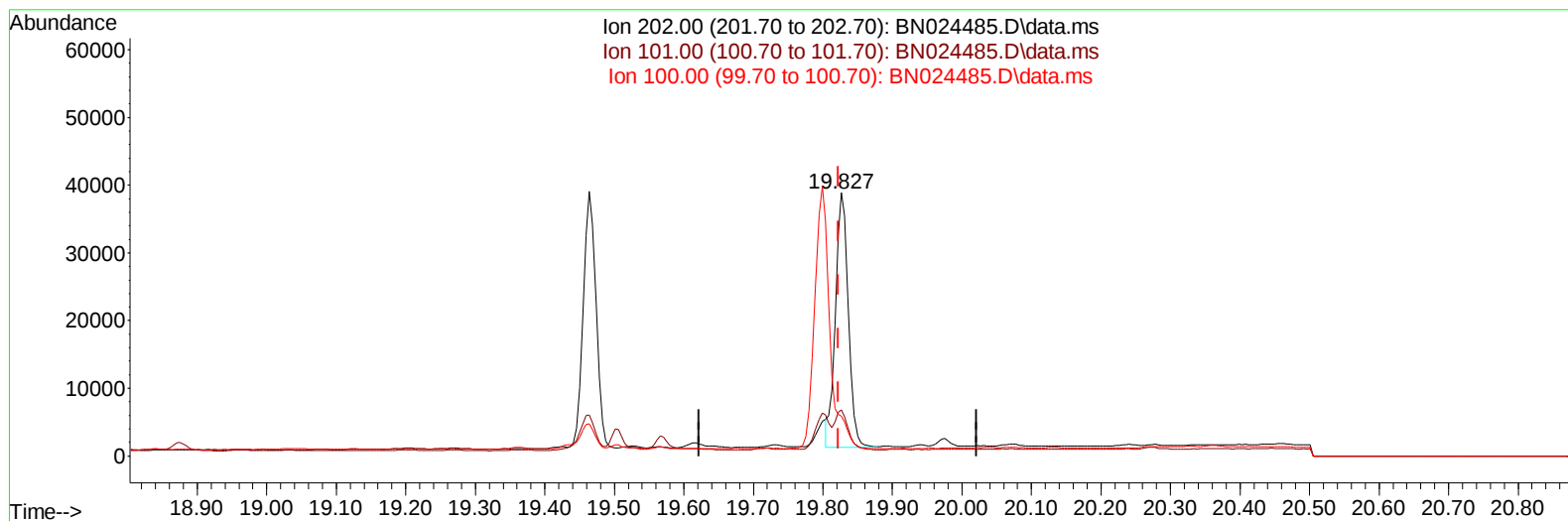
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
Data File : BN024485.D  
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Operator : CG/JU  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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TIC: BN024485.D\data.ms

## (20) Pyrene

19.827min (+ 0.005) 0.42 ng/ul m

response 48823

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.10  | 17.60  |
| 100.00 | 11.70  | 15.01# |
| 0.00   | 0.00   | 0.00   |

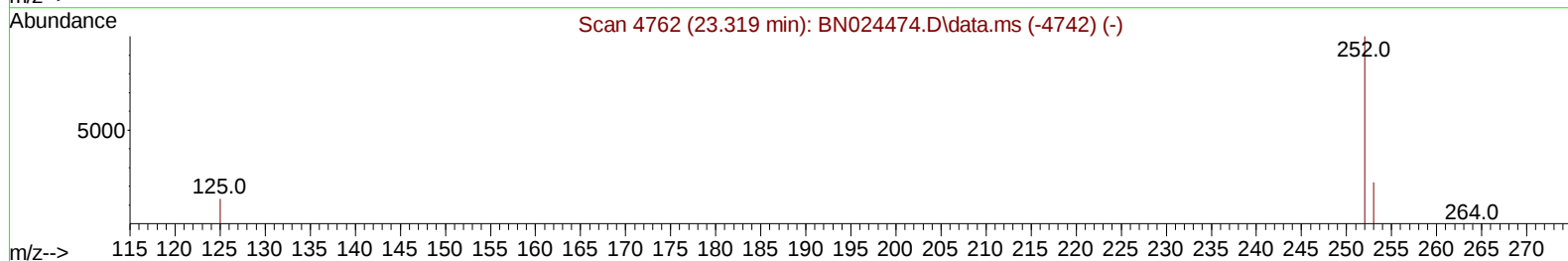
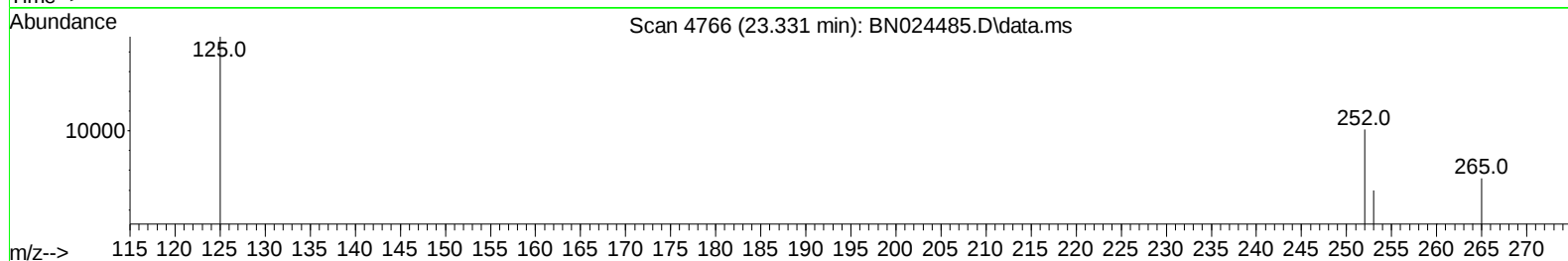
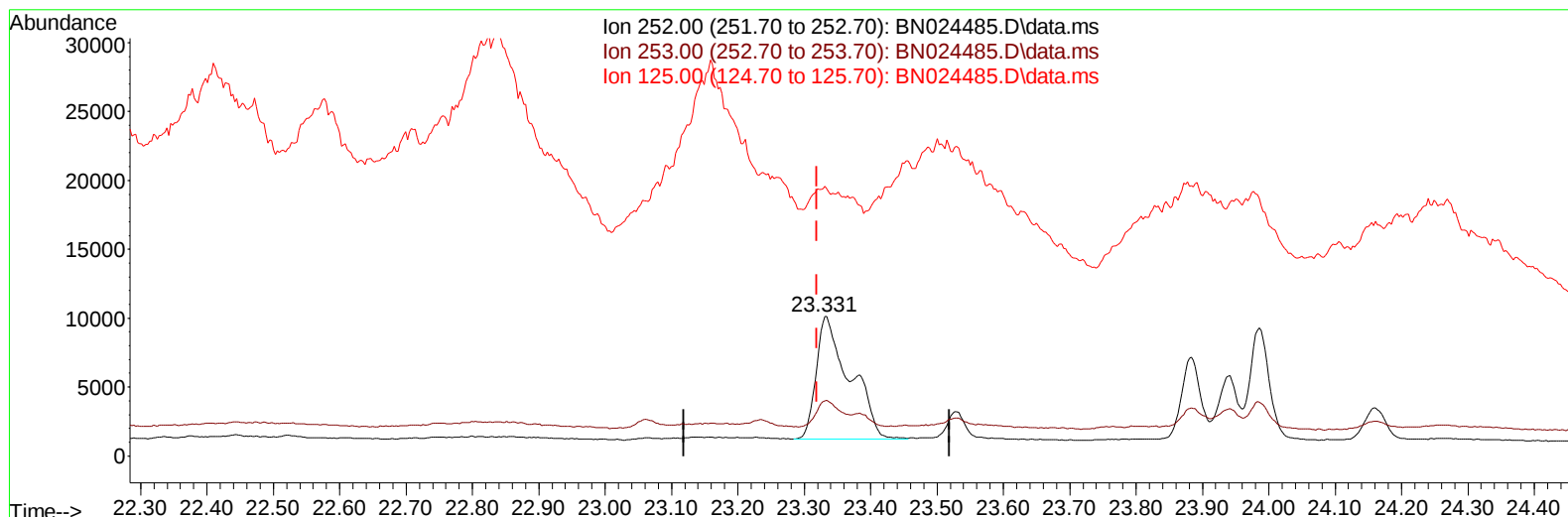
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
Data File : BN024485.D  
Acq On : 22 Mar 2023 18:25  
Operator : CG/JU  
Sample : 01947-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB937

Manual IntegrationsAPPROVED

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TIC: BN024485.D\data.ms

(24) Benzo(b)fluoranthene

23.331min (+ 0.012) 0.28 ng/u1

response 31540

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.10  | 39.45   |
| 125.00 | 17.00  | 192.92# |
| 0.00   | 0.00   | 0.00    |

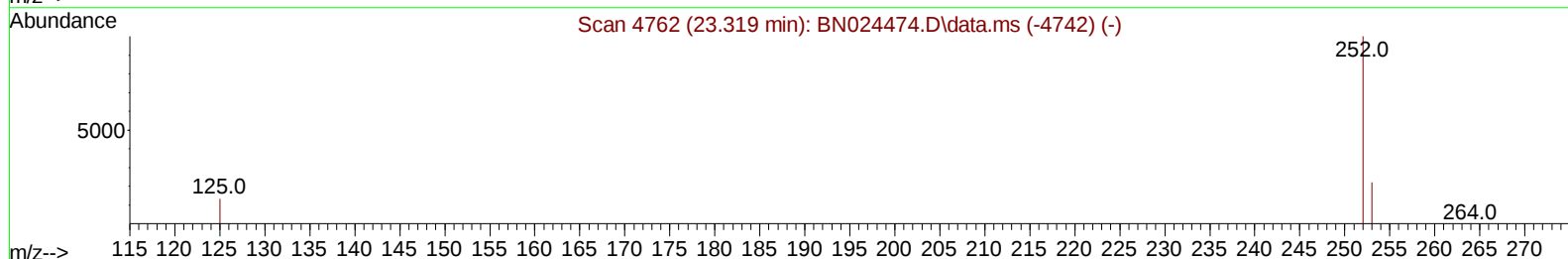
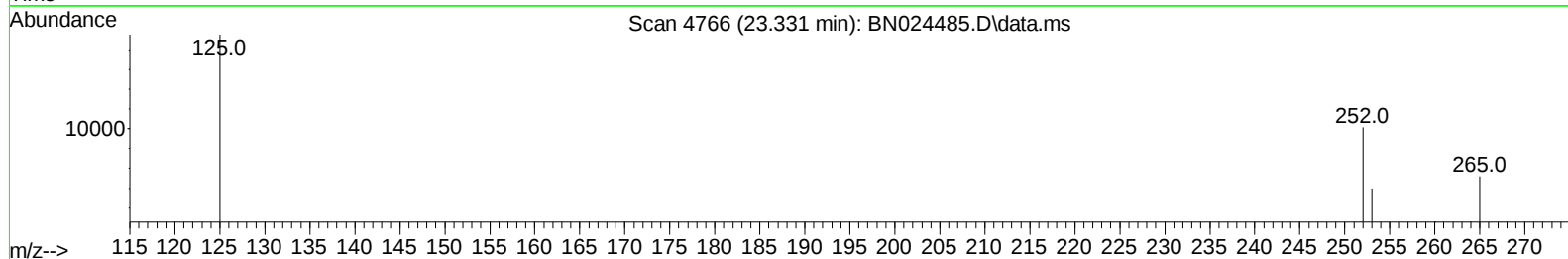
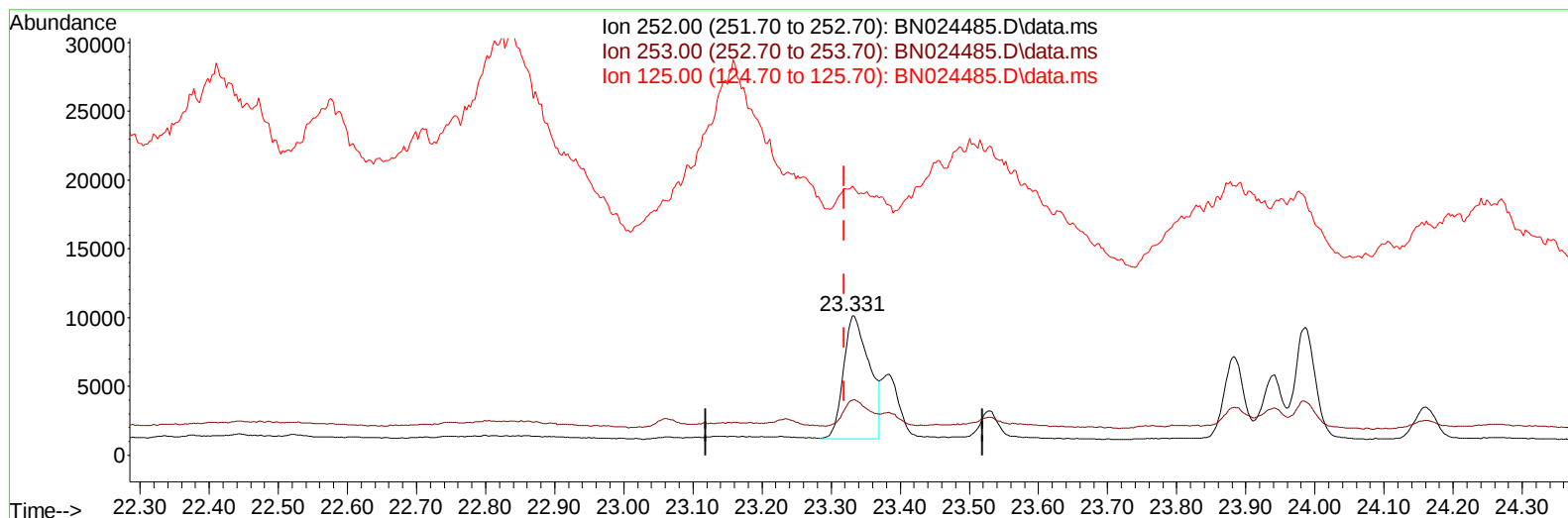
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
 Data File : BN024485.D  
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 Sample : 01947-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB937

Manual IntegrationsAPPROVED

Quant Time: Mar 23 03:10:46 2023  
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TIC: BN024485.D\data.ms

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

23.331min (+ 0.012) 0.21 ng/u1 m

response 23100

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.10  | 39.45   |
| 125.00 | 17.00  | 192.92# |
| 0.00   | 0.00   | 0.00    |

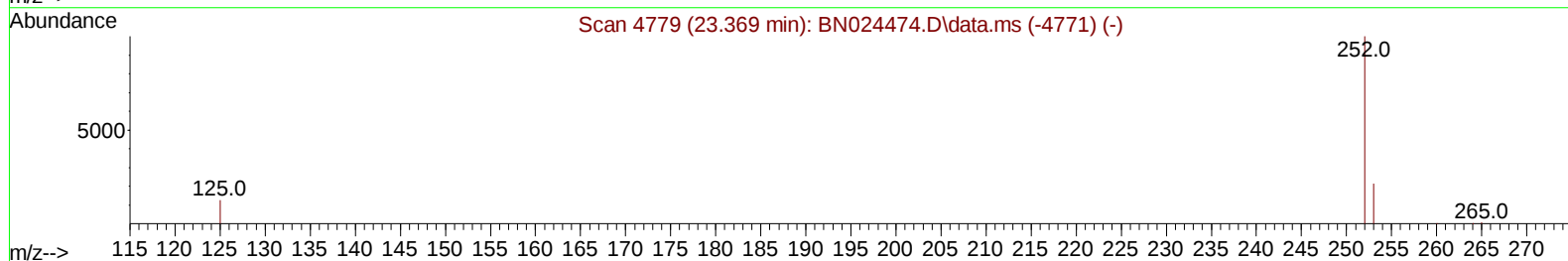
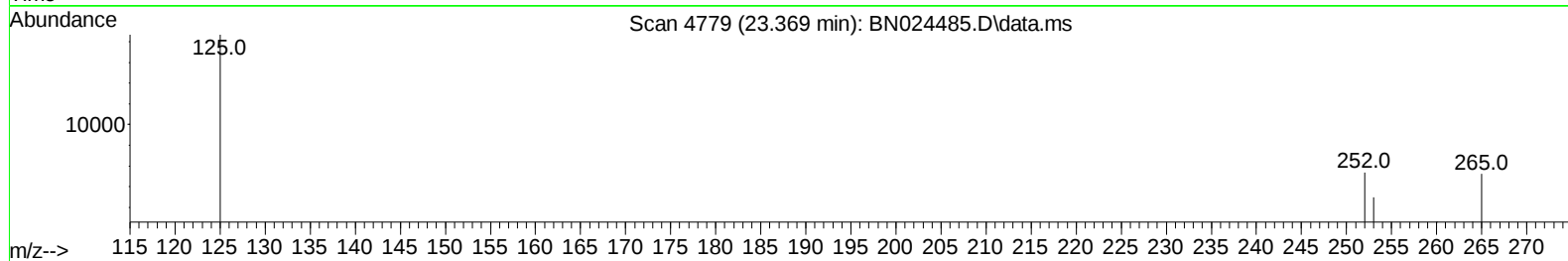
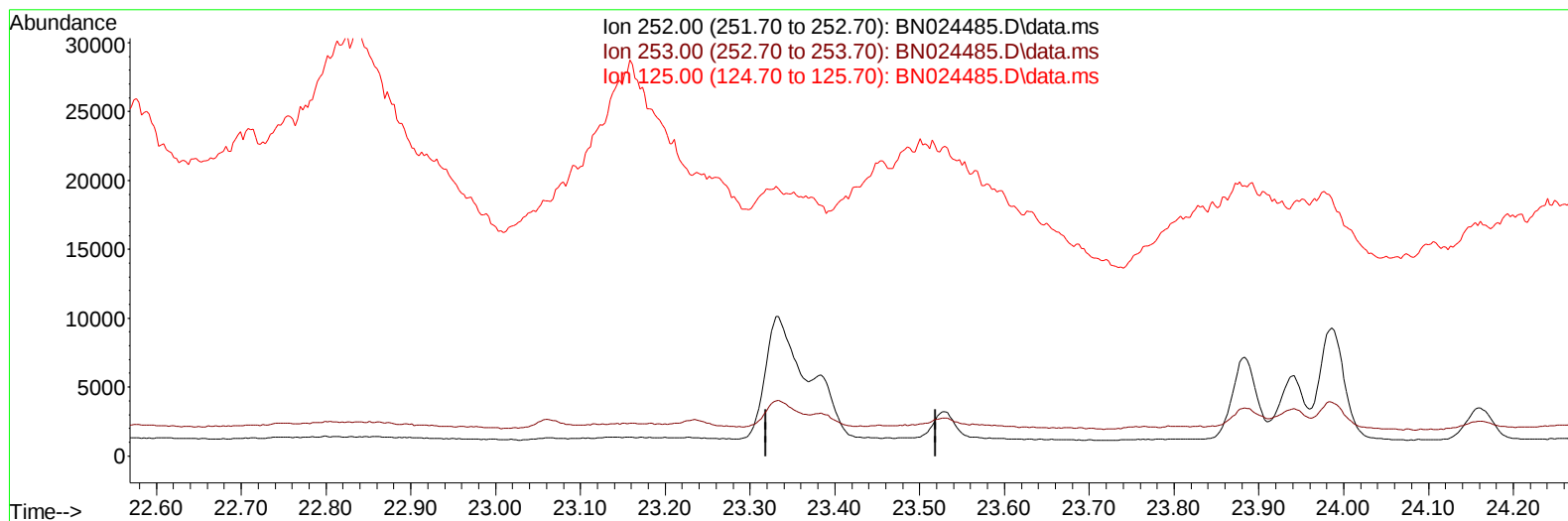
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032223\  
Data File : BN024485.D  
Acq On : 22 Mar 2023 18:25  
Operator : CG/JU  
Sample : 01947-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB937

Manual IntegrationsAPPROVED

Quant Time: Mar 23 03:10:46 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN030923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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TIC: BN024485.D\data.ms

(25) Benzo(k)fluoranthene

23.369min (-23.369) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 23.10  | 0.00# |
| 125.00 | 16.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

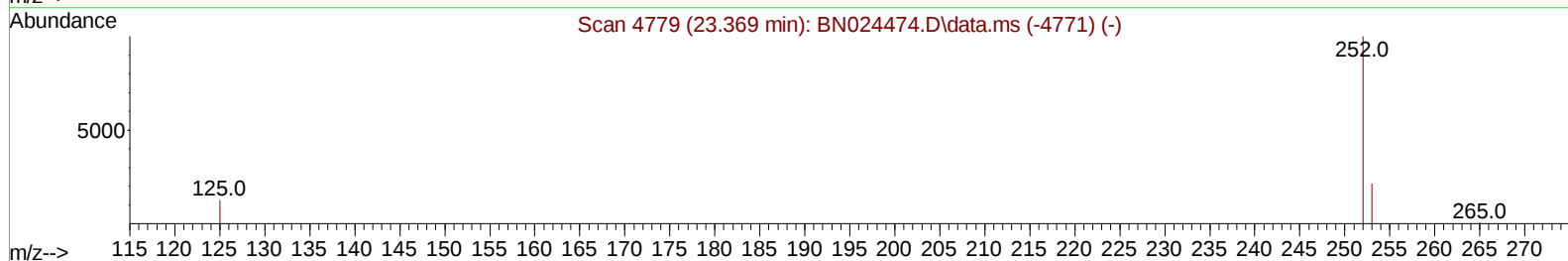
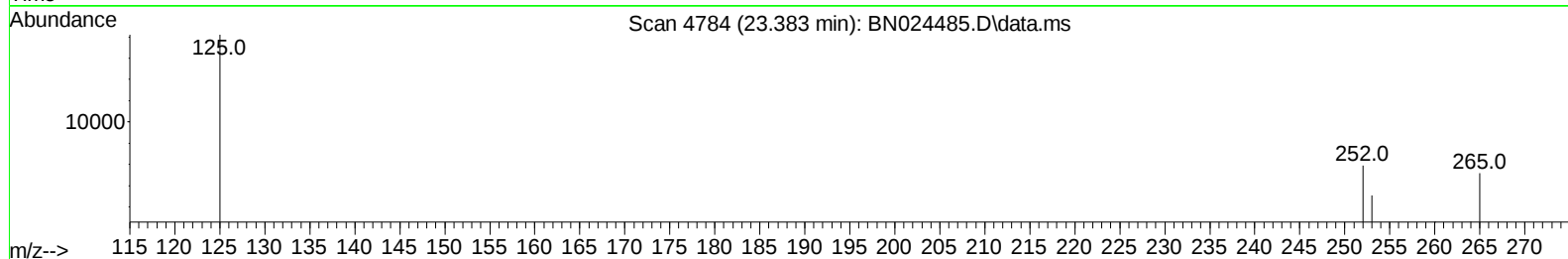
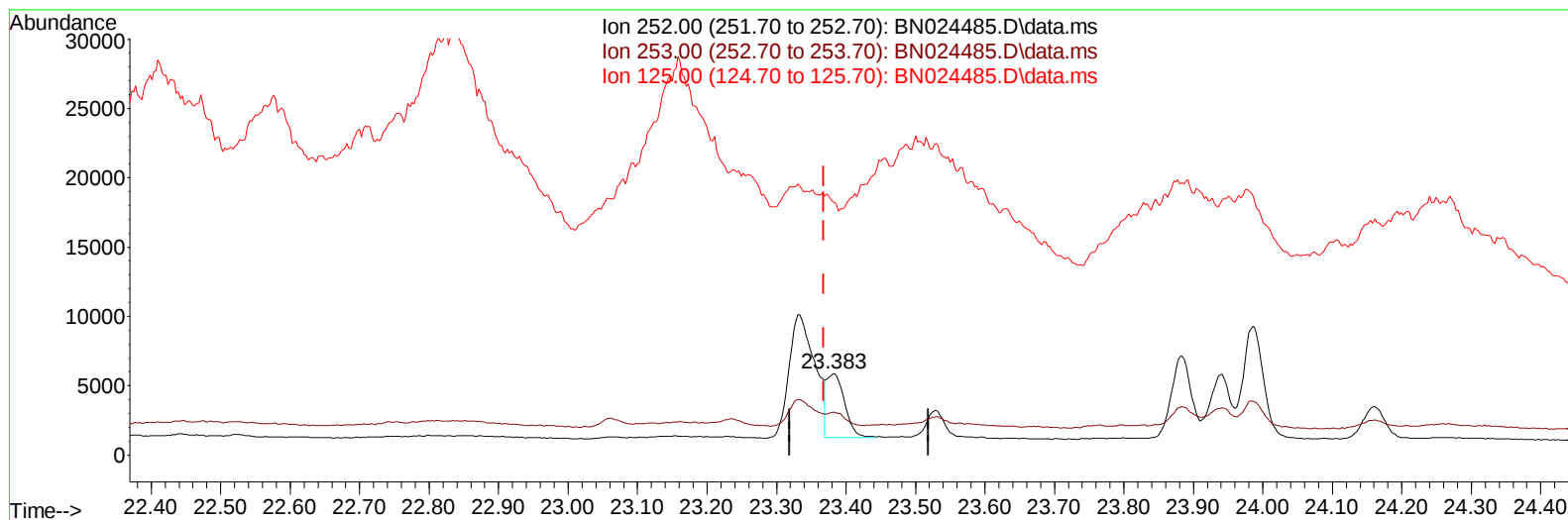
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Sample : 01947-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
CB937

Manual IntegrationsAPPROVED

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TIC: BN024485.D\data.ms

(25) Benzo(k)fluoranthene

23.383min (+ 0.015) 0.07 ng/u1 m

response 8218

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.10  | 52.63#  |
| 125.00 | 16.50  | 309.03# |
| 0.00   | 0.00   | 0.00    |

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 Operator : CG/JU  
 Sample : 01947-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.030  | 152  | 10409    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.845 | 136  | 30318    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.666 | 164  | 17771    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.409 | 188  | 37172    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.600 | 240  | 29004    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.100 | 264  | 29386    | 0.400 | ng/ul  | # 0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.393  | 96   | 49202    | 4.295 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.429 | 152  | 13852    | 0.385 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.436 | 212  | 34956    | 0.453 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.894 | 128  | 13384    | 0.177 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.500 | 142  | 4693     | 0.102 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.720 | 142  | 6021     | 0.125 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.388 | 152  | 5594     | 0.075 | ng/ul# | 76       |
| 11) Acenaphthene            | 14.726 | 153  | 200631   | 3.512 | ng/ul  | 97       |
| 12) Fluorene                | 15.711 | 166  | 60852    | 0.954 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.451 | 178  | 18572    | 0.174 | ng/ul# | 86       |
| 16) Anthracene              | 17.544 | 178  | 14173    | 0.152 | ng/ul# | 77       |
| 19) Fluoranthene            | 19.464 | 202  | 48747    | 0.422 | ng/ul# | 93       |
| 20) Pyrene                  | 19.827 | 202  | 48823m   | 0.417 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.580 | 228  | 17743    | 0.187 | ng/ul# | 81       |
| 22) Chrysene                | 21.638 | 228  | 17782    | 0.178 | ng/ul# | 79       |
| 24) Benzo(b)fluoranthene    | 23.331 | 252  | 23100m   | 0.206 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.383 | 252  | 8218m    | 0.071 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.986 | 252  | 16560    | 0.172 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.713 | 276  | 9389     | 0.086 | ng/ul# | 100      |
| 29) Benzo(g,h,i)perylene    | 27.528 | 276  | 9863     | 0.105 | ng/ul# | 38       |
| -----                       |        |      |          |       |        |          |

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

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