

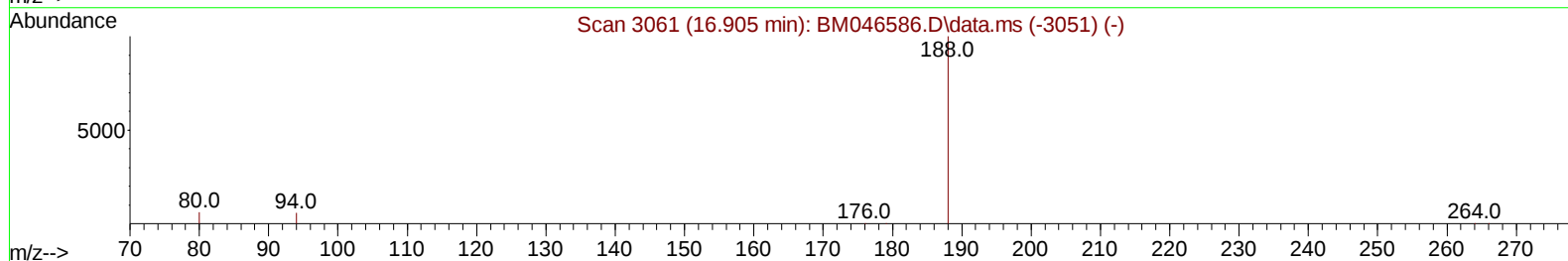
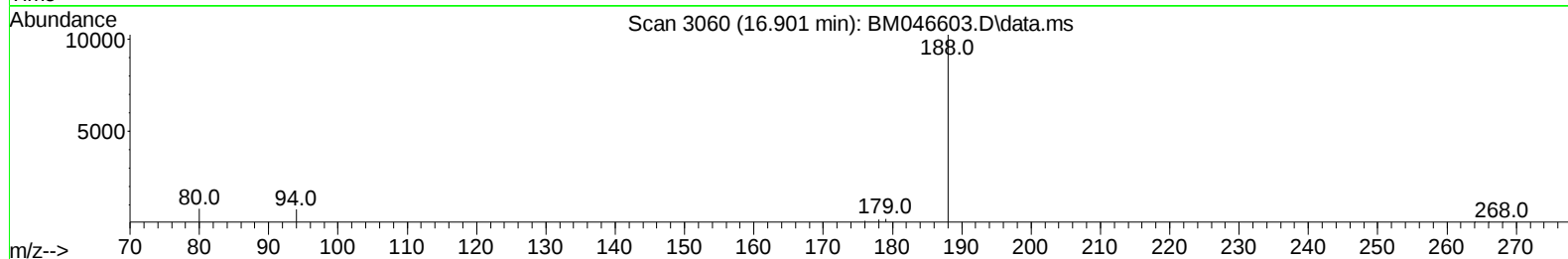
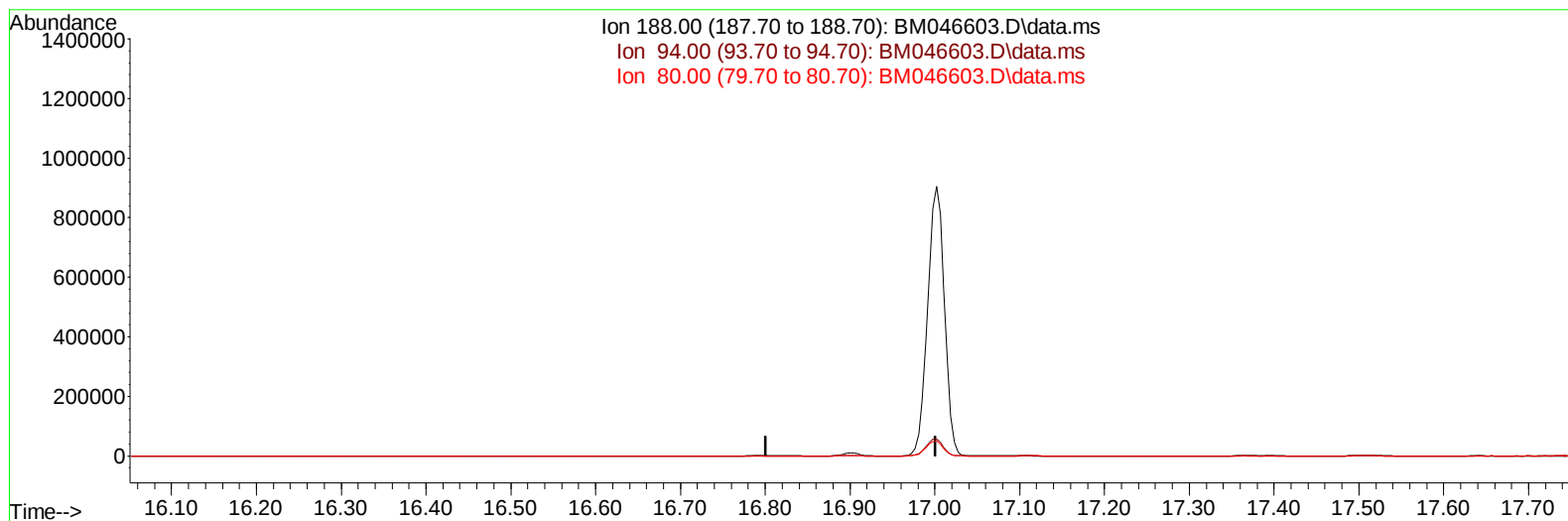
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046603.D\data.ms

(13) Phenanthrene-d10 (I)

16.901min (-16.901) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 188.00 | 100.00 | 0.00  |
| 94.00  | 6.40   | 0.00# |
| 80.00  | 6.60   | 0.00# |
| 0.00   | 0.00   | 0.00  |

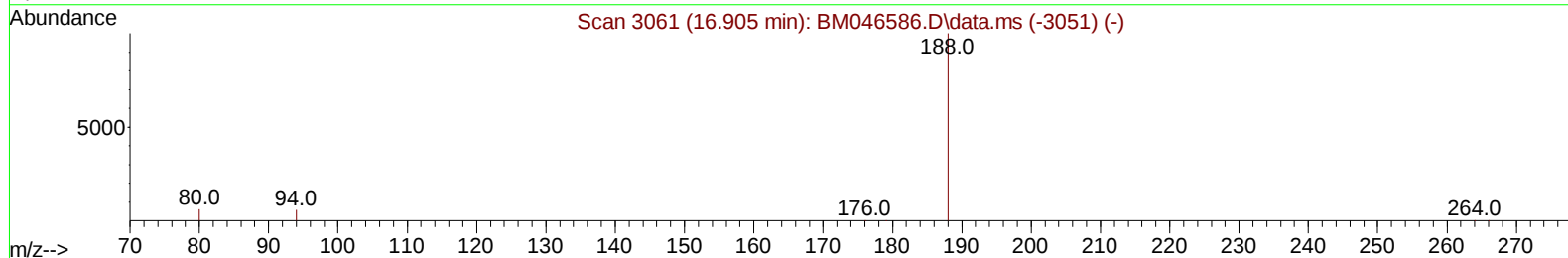
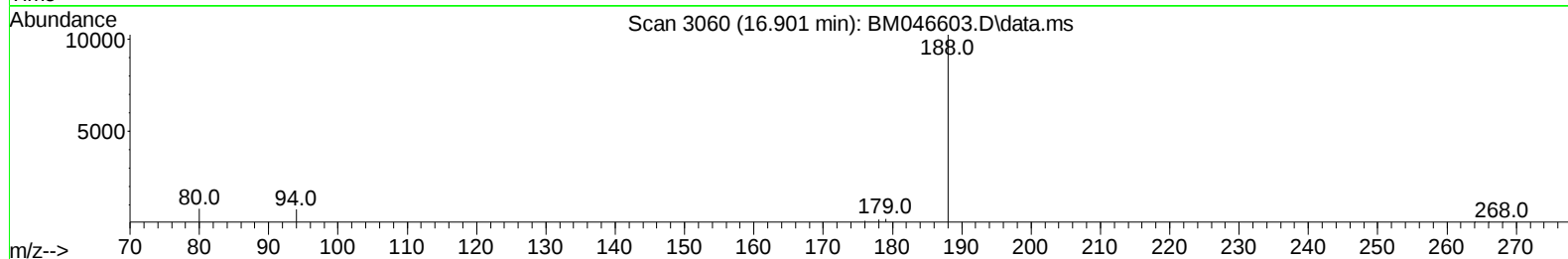
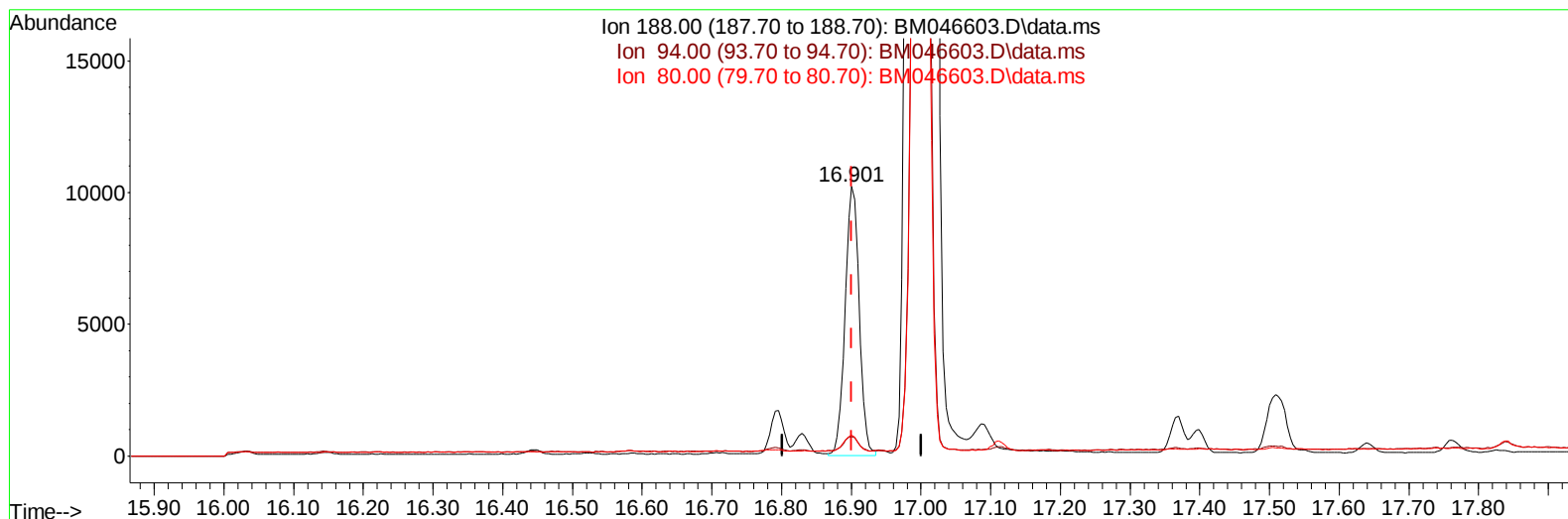
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
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TIC: BM046603.D\data.ms

(13) Phenanthrene-d10 (I)

16.901min (-0.000) 0.40 ng/ul m

response 14403

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 6.40   | 7.24   |
| 80.00  | 6.60   | 7.62   |
| 0.00   | 0.00   | 0.00   |

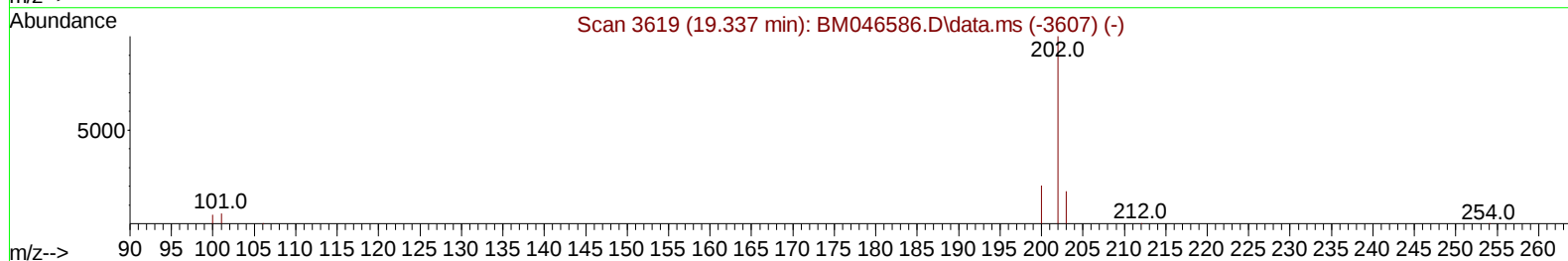
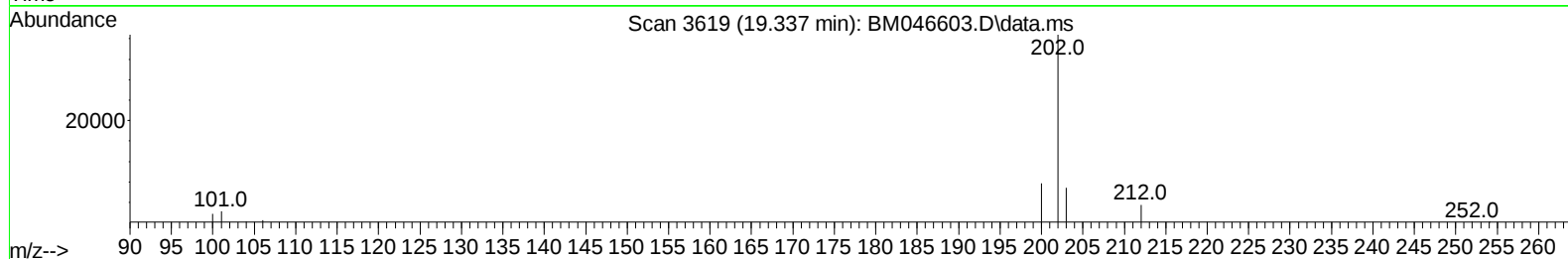
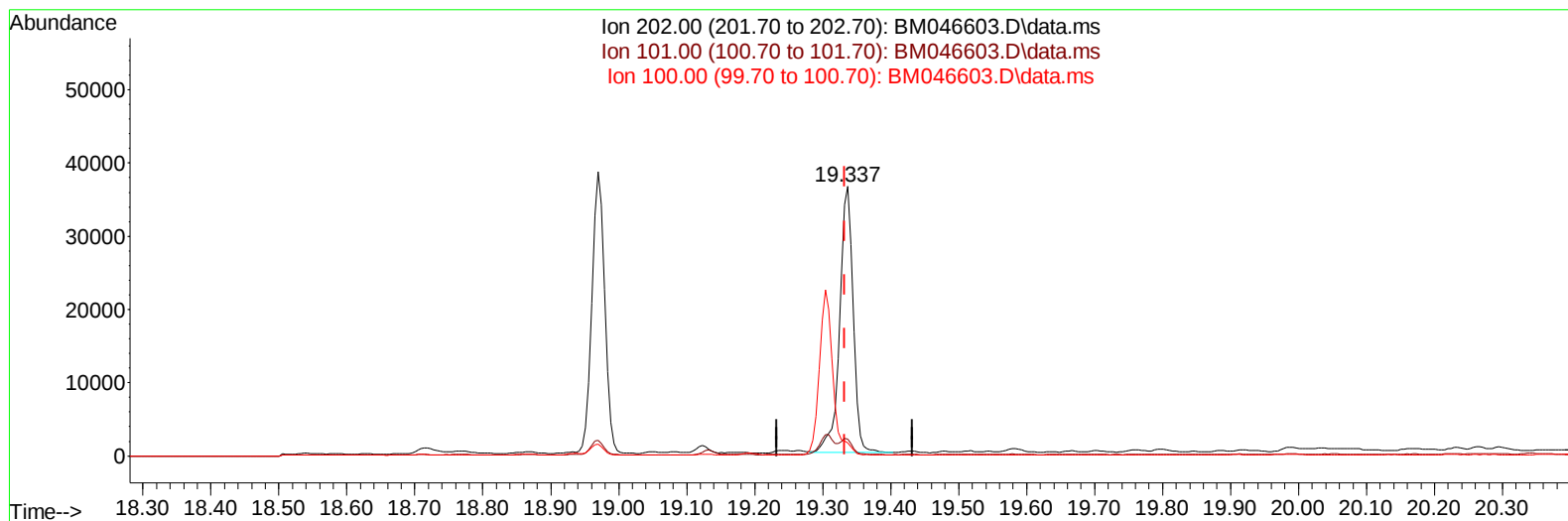
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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TIC: BM046603.D\data.ms

(20) Pyrene

19.337min (+ 0.004) 1.02 ng/u1

response 50073

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 6.40   | 6.17   |
| 100.00 | 4.70   | 4.89   |
| 0.00   | 0.00   | 0.00   |

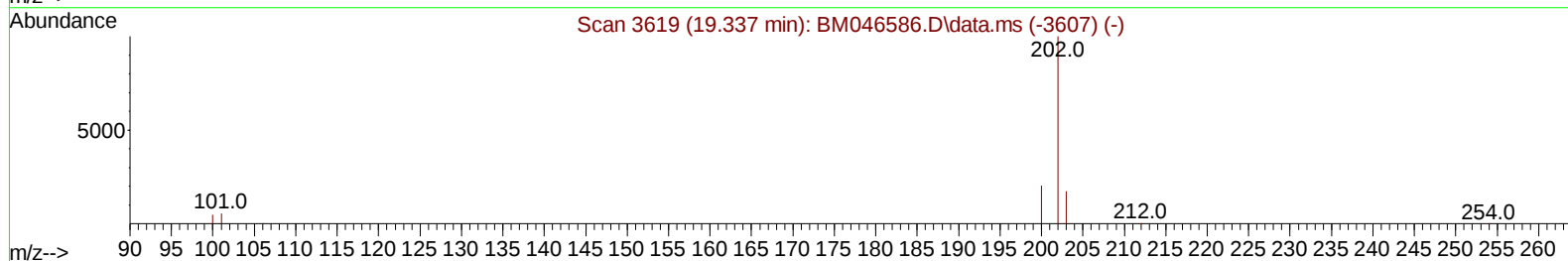
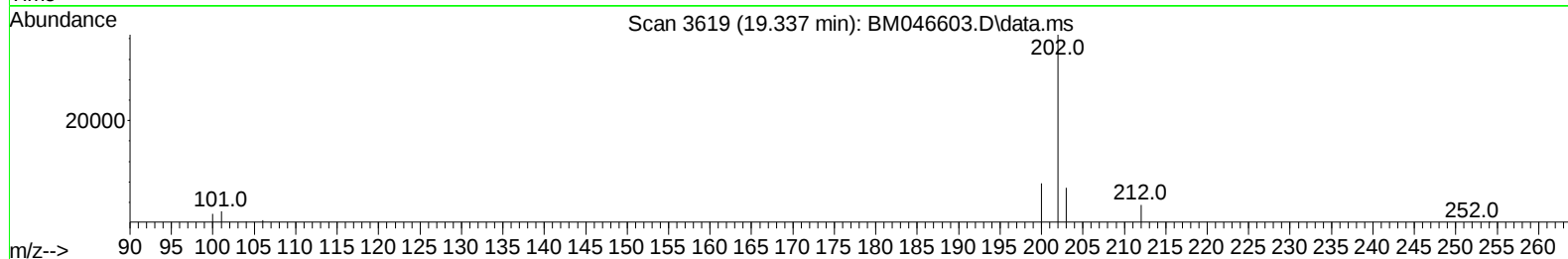
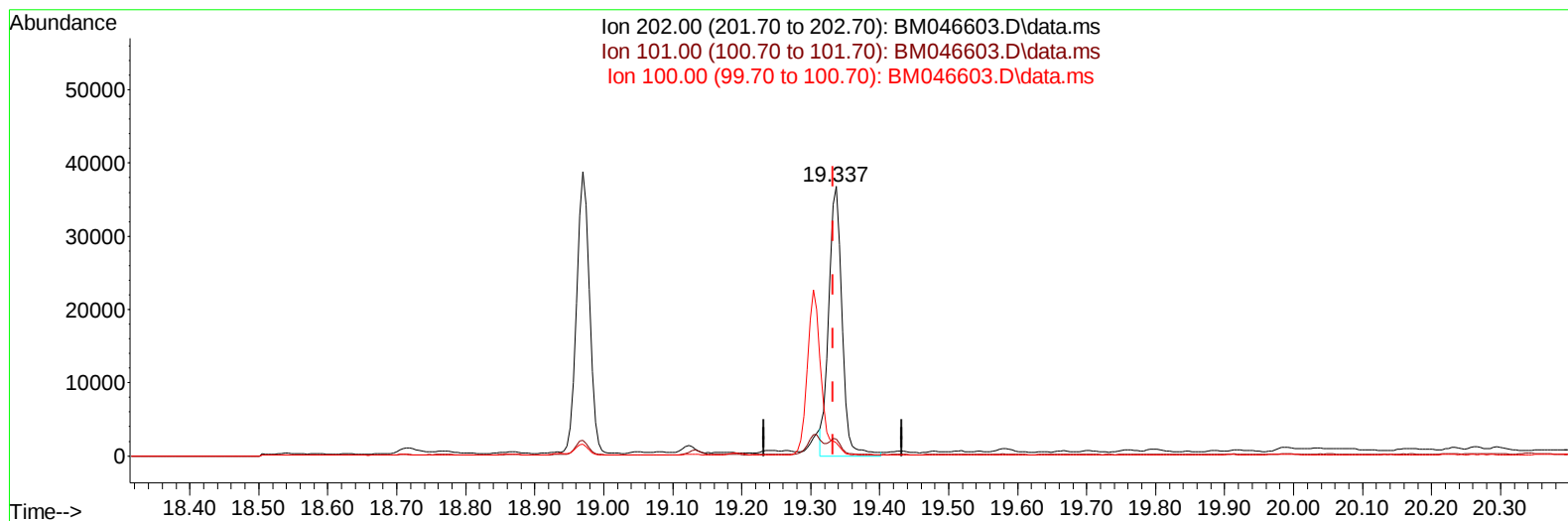
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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TIC: BM046603.D\data.ms

(20) Pyrene

19.337min (+ 0.004) 1.01 ng/ul m

response 49701

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 6.40   | 6.17   |
| 100.00 | 4.70   | 4.89   |
| 0.00   | 0.00   | 0.00   |

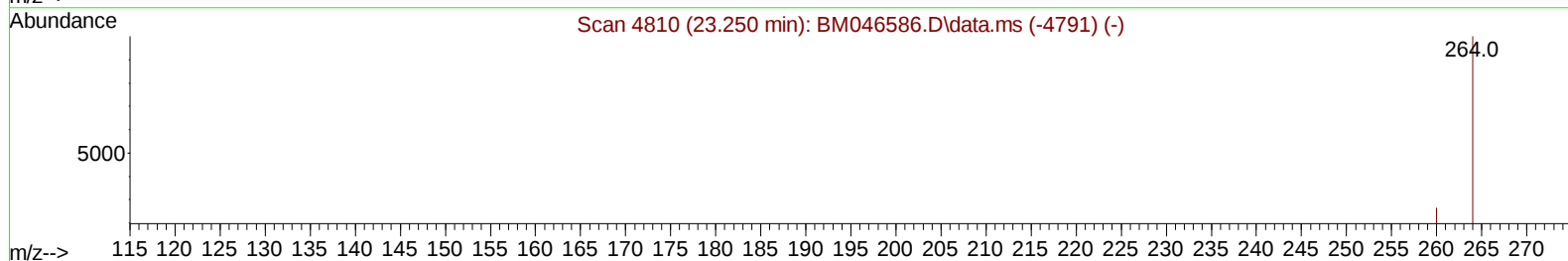
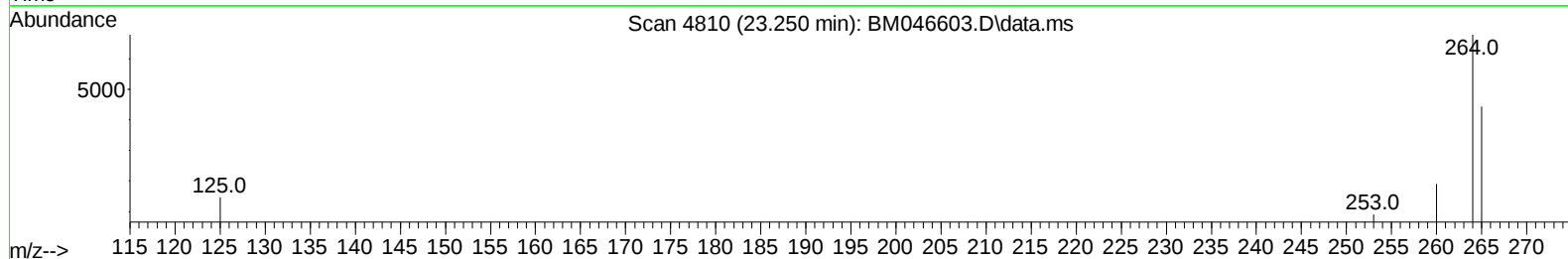
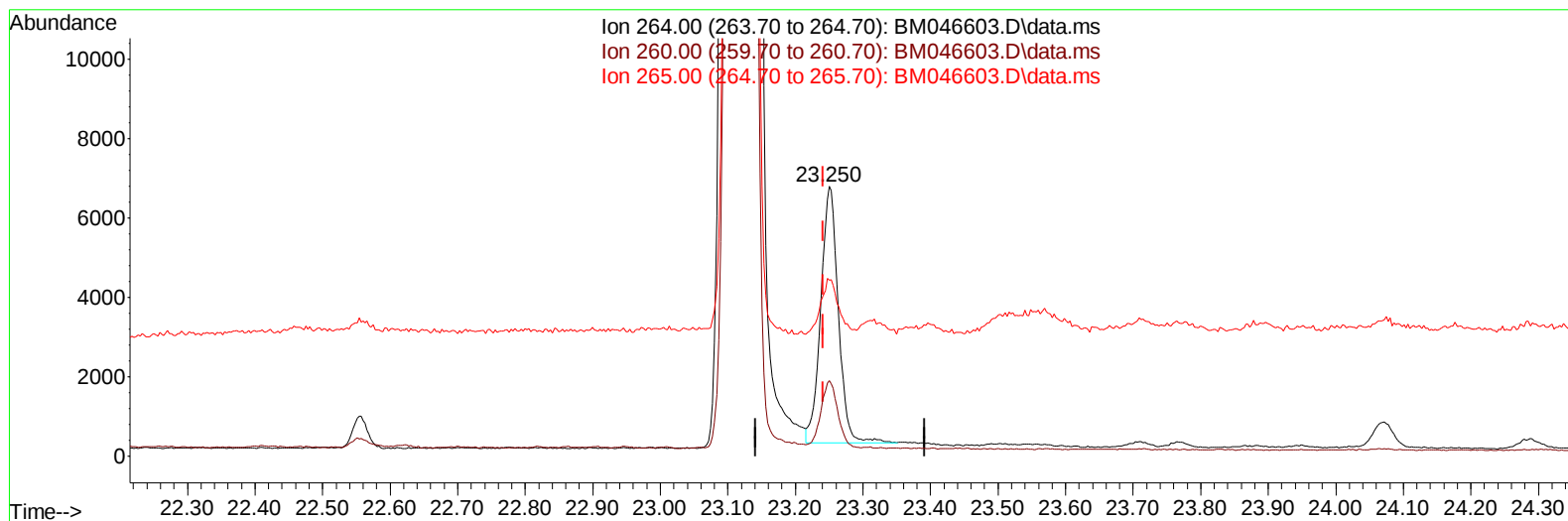
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046603.D\data.ms

(23) Perylene-d12 (I)

23.250min (+ 0.008) 0.40 ng/u1

response 11657

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 28.04  |
| 265.00 | 88.90  | 65.29# |
| 0.00   | 0.00   | 0.00   |

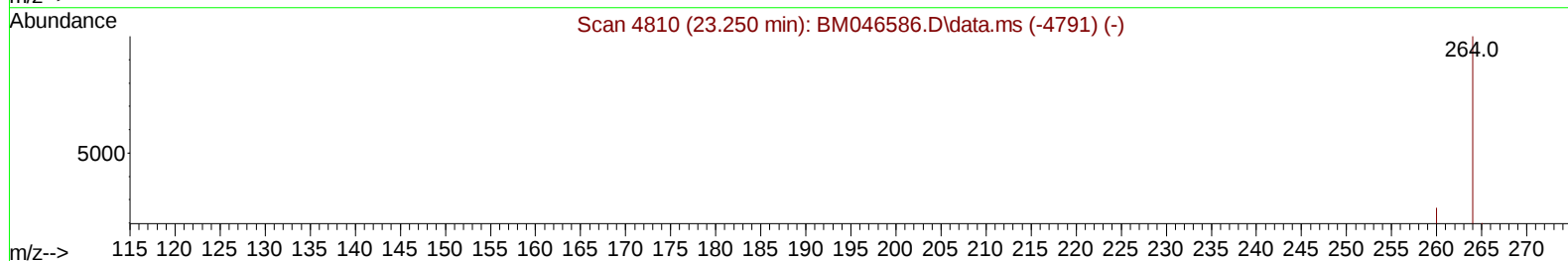
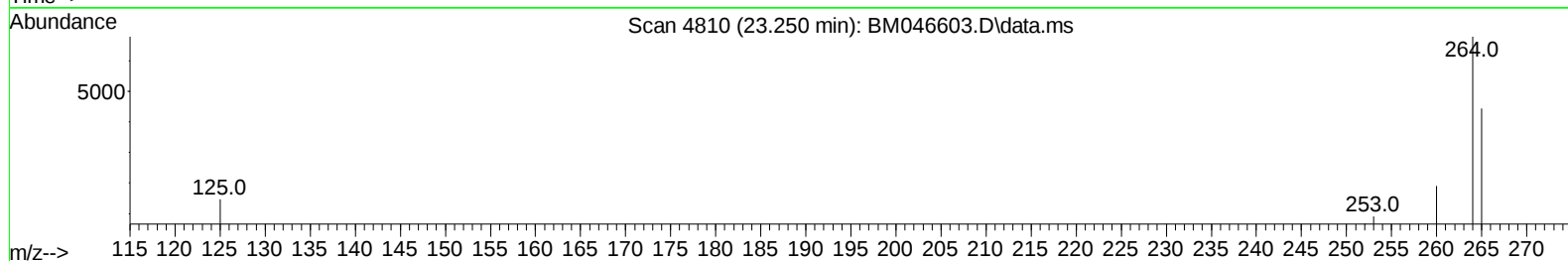
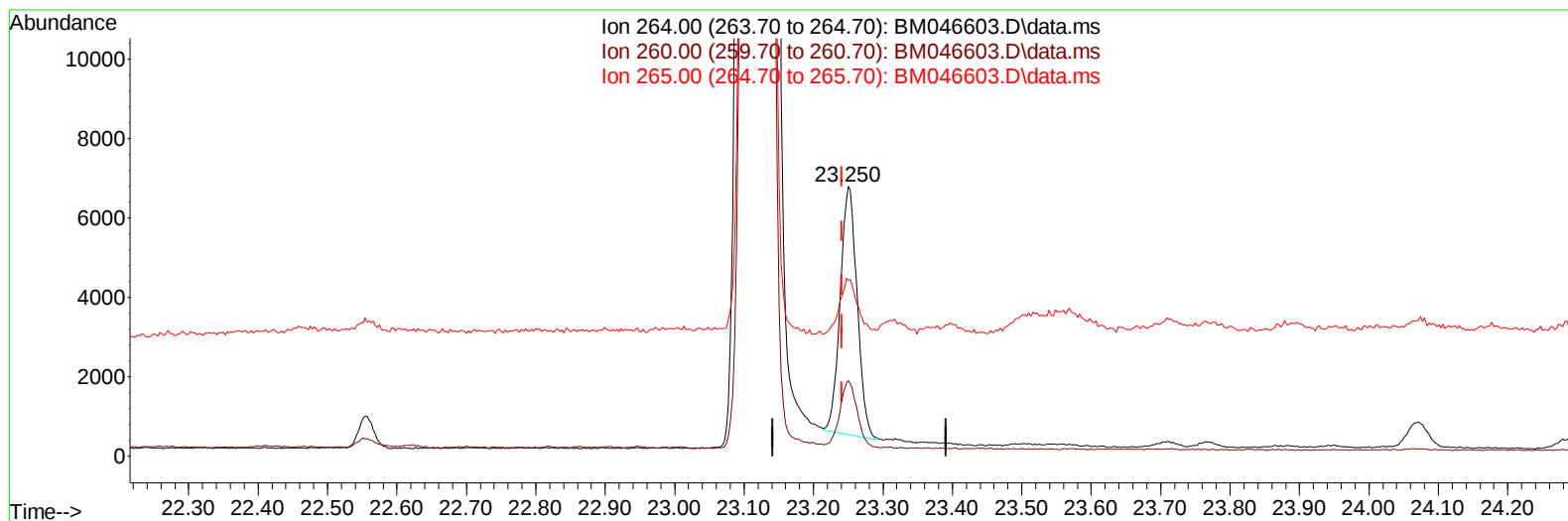
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046603.D\data.ms

(23) Perylene-d12 (I)

23.250min (+ 0.008) 0.40 ng/ul m

response 10542

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 28.04  |
| 265.00 | 88.90  | 65.29# |
| 0.00   | 0.00   | 0.00   |

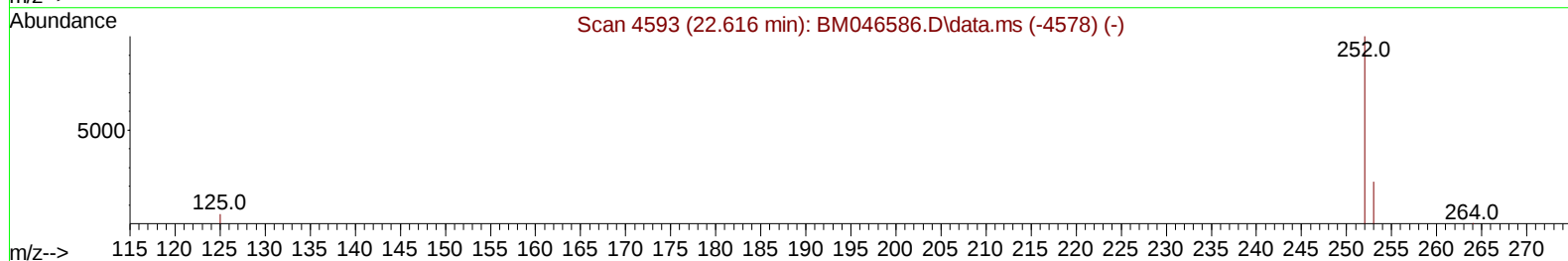
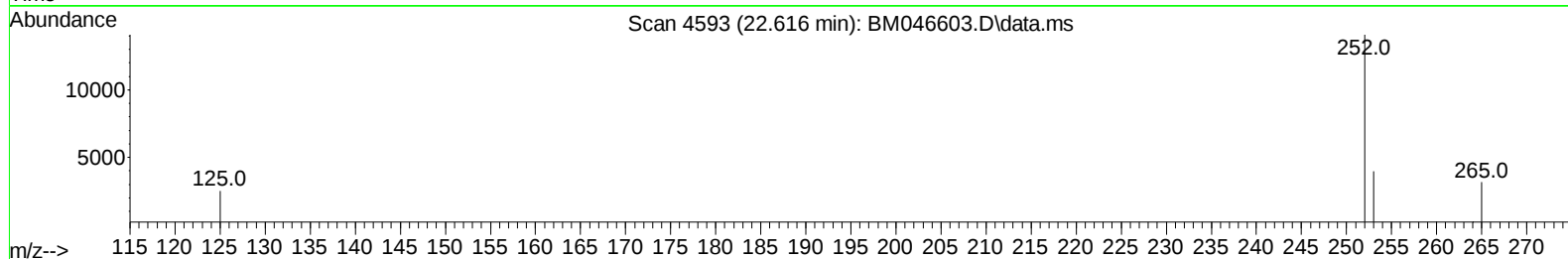
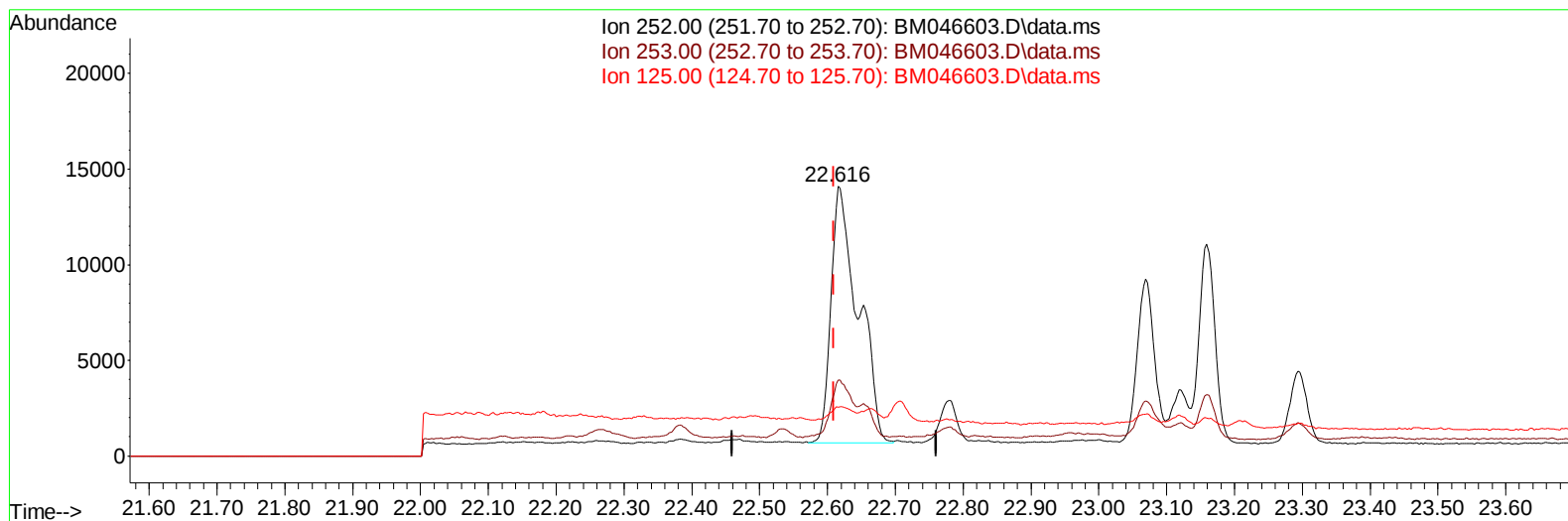
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/16/2024  
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TIC: BM046603.D\data.ms

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

22.616min (+ 0.006) 0.88 ng/u1

response 37111

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 28.13  |
| 125.00 | 8.90   | 17.98# |
| 0.00   | 0.00   | 0.00   |

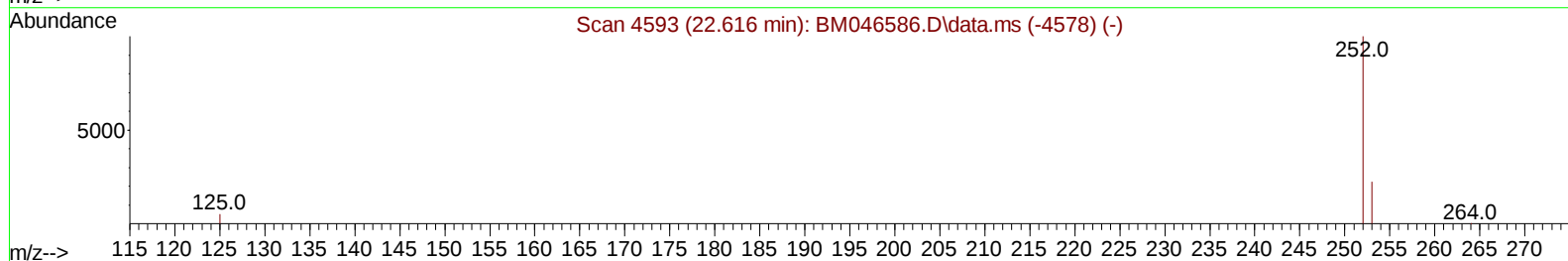
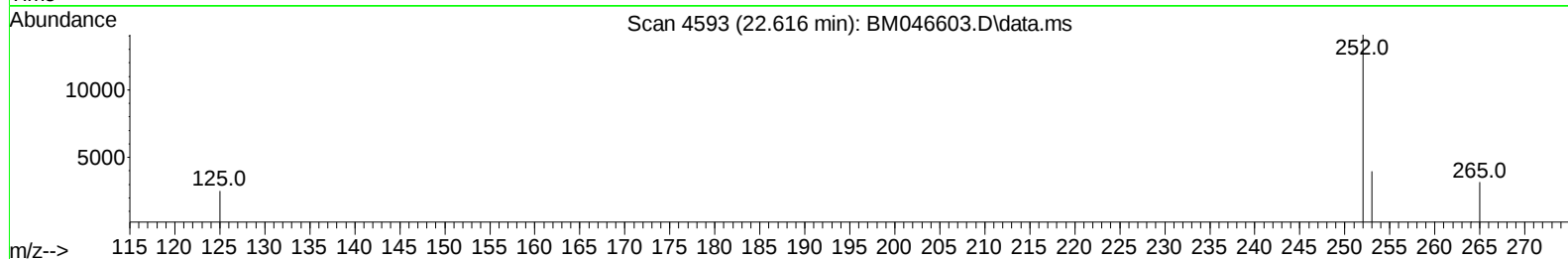
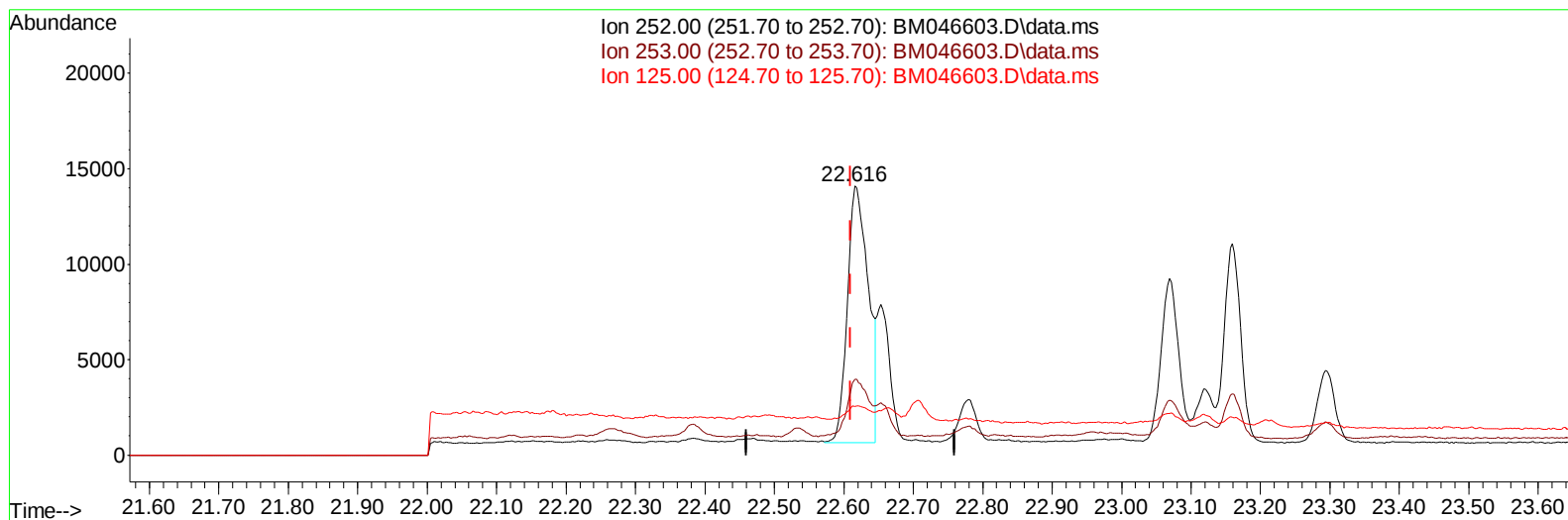
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046603.D\data.ms

(24) Benzo(b)fluoranthene

22.616min (+ 0.006) 0.66 ng/u1 m

response 27977

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 28.13  |
| 125.00 | 8.90   | 17.98# |
| 0.00   | 0.00   | 0.00   |

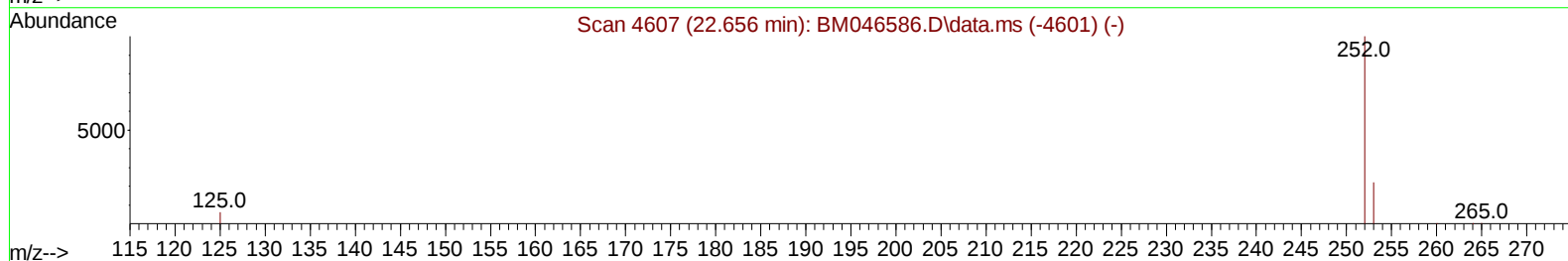
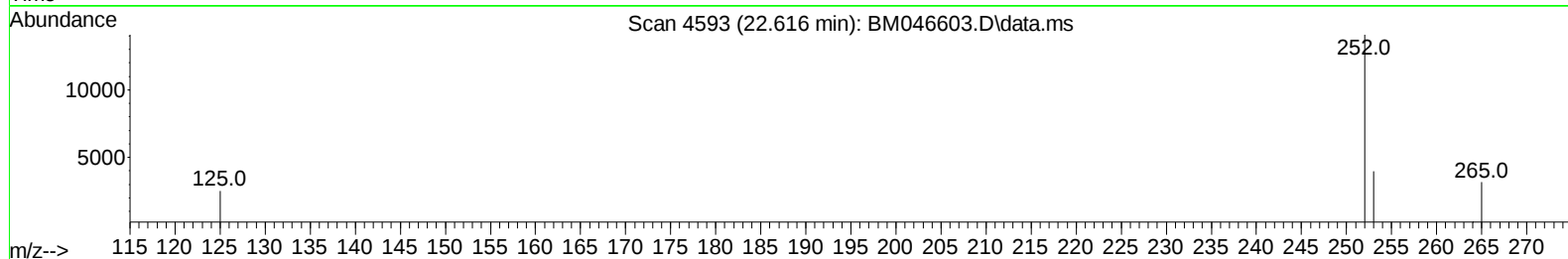
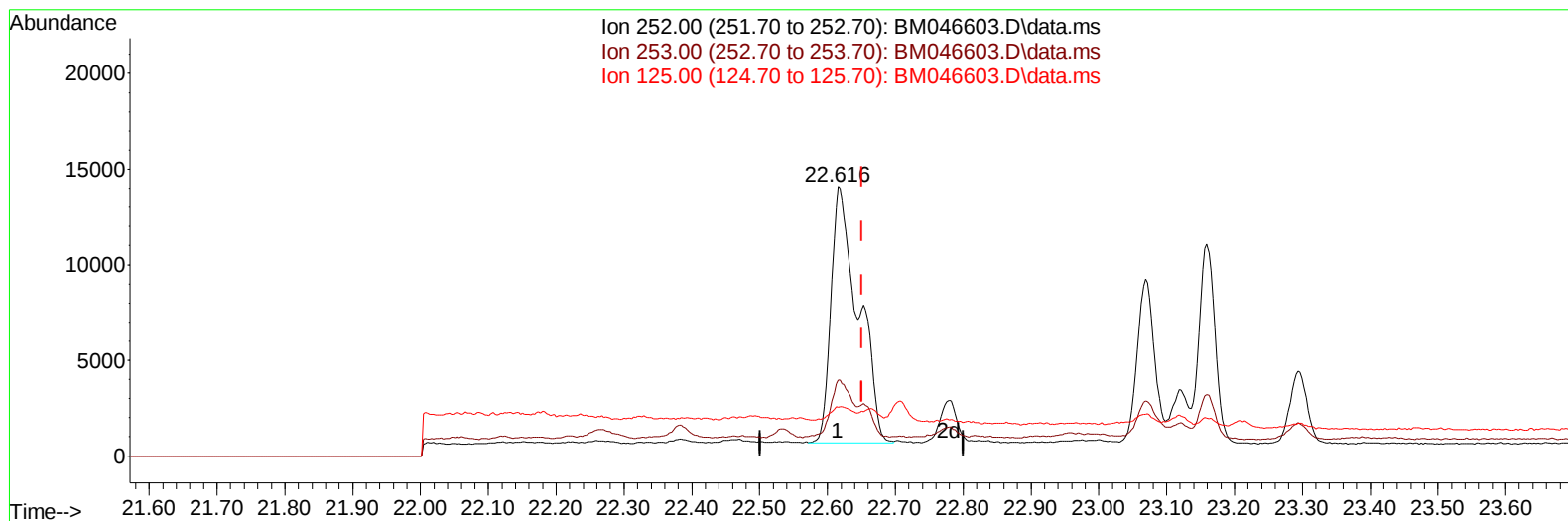
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

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TIC: BM046603.D\data.ms

(25) Benzo(k)fluoranthene

22.616min (-0.035) 0.90 ng/u1

response 37111

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 28.13  |
| 125.00 | 8.70   | 17.98# |
| 0.00   | 0.00   | 0.00   |

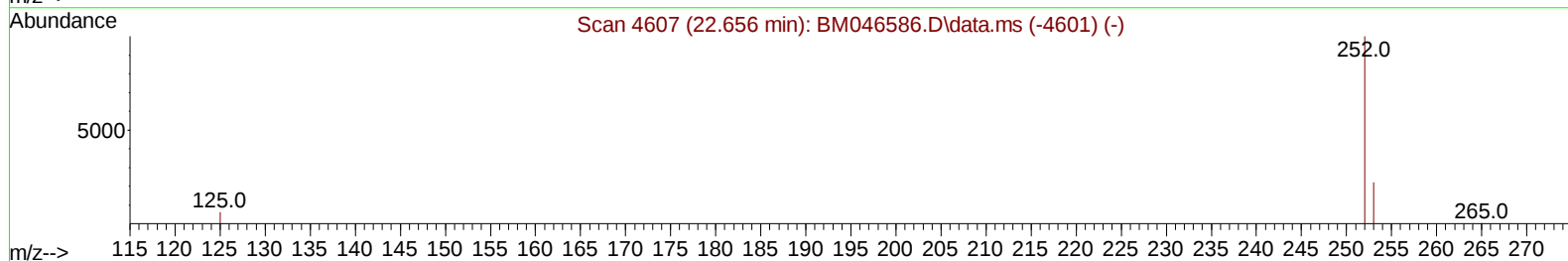
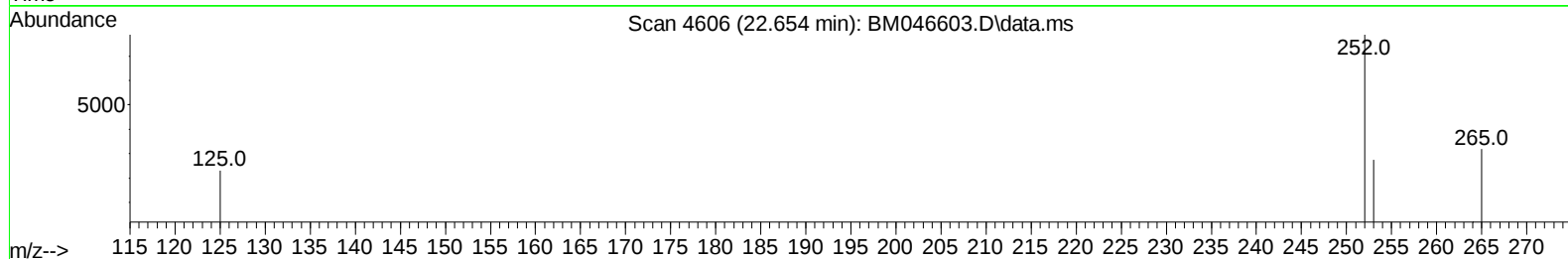
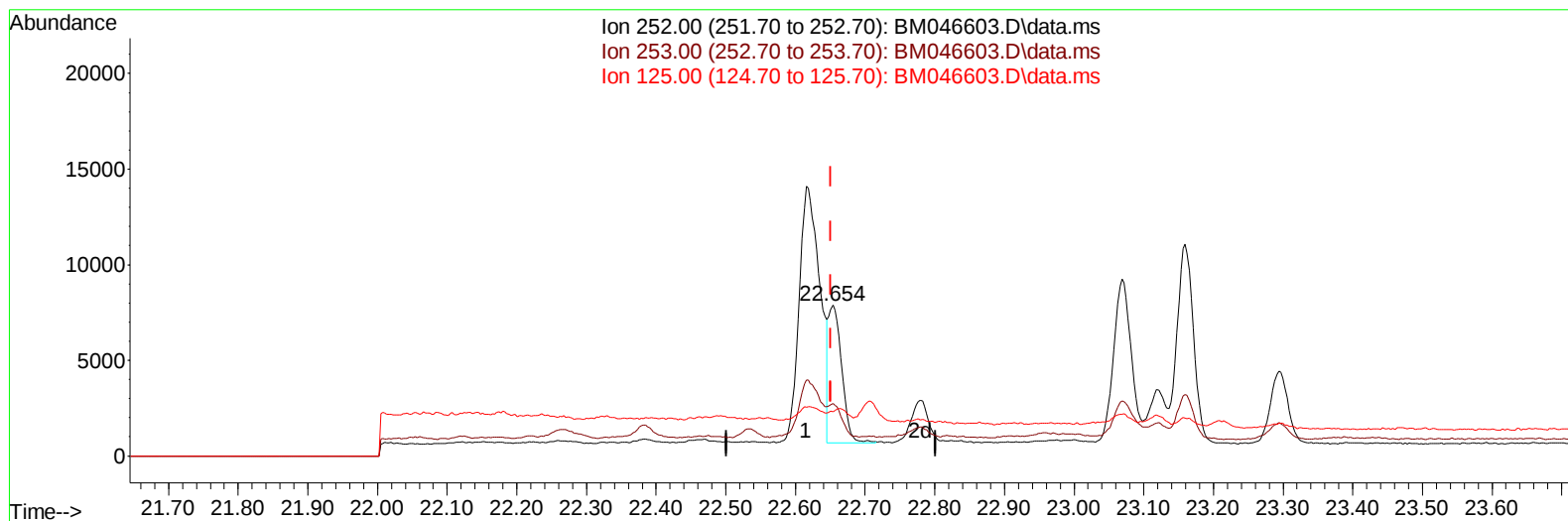
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Data File : BM046603.D  
Acq On : 15 Jul 2024 19:28  
Operator : MA/JU  
Sample : P3087-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

Manual IntegrationsAPPROVED

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TIC: BM046603.D\data.ms

(25) Benzo(k)fluoranthene

22.654min (+ 0.003) 0.23 ng/u1 m

response 9482

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 34.88# |
| 125.00 | 8.70   | 29.33# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
 Data File : BM046603.D  
 Acq On : 15 Jul 2024 19:28  
 Operator : MA/JU  
 Sample : P3087-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BR0

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/18/2024

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.506  | 152  | 3165     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.266 | 136  | 9103     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.151 | 164  | 6266     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.901 | 188  | 14403m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.108 | 240  | 11016    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.250 | 264  | 10542m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.113  | 96   | 9513     | 3.658 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.866 | 152  | 5661     | 0.386 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.937 | 212  | 15519    | 0.463 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.310 | 128  | 1523     | 0.066 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 11.943 | 142  | 572      | 0.035 | ng/ul  | 97       |
| 10) Acenaphthylene          | 13.864 | 152  | 2381     | 0.083 | ng/ul  | 92       |
| 11) Acenaphthene            | 14.211 | 153  | 518      | 0.027 | ng/ul  | 96       |
| 12) Fluorene                | 15.205 | 166  | 955      | 0.040 | ng/ul# | 86       |
| 15) Phenanthrene            | 16.943 | 178  | 16420    | 0.400 | ng/ul  | 99       |
| 16) Anthracene              | 17.036 | 178  | 3908     | 0.097 | ng/ul# | 91       |
| 19) Fluoranthene            | 18.970 | 202  | 50322    | 1.112 | ng/ul  | 99       |
| 20) Pyrene                  | 19.337 | 202  | 49701m   | 1.015 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.093 | 228  | 21330    | 0.438 | ng/ul# | 92       |
| 22) Chrysene                | 21.143 | 228  | 23026    | 0.488 | ng/ul# | 92       |
| 24) Benzo(b)fluoranthene    | 22.616 | 252  | 27977m   | 0.664 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.654 | 252  | 9482m    | 0.229 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.159 | 252  | 17215    | 0.497 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.366 | 276  | 13671    | 0.259 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.380 | 278  | 3487     | 0.084 | ng/ul# | 35       |
| 29) Benzo(g,h,i)perylene    | 26.014 | 276  | 13625    | 0.324 | ng/ul# | 97       |
| -----                       |        |      |          |       |        |          |

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

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BR0

## Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:24:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024

