

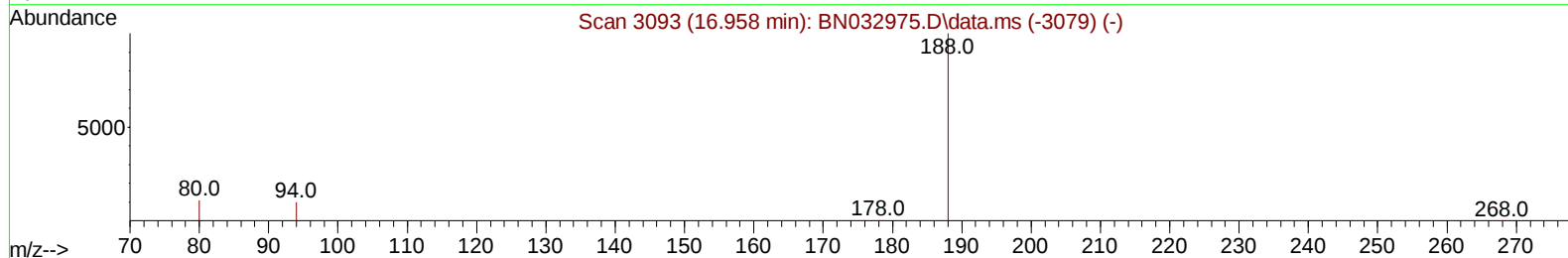
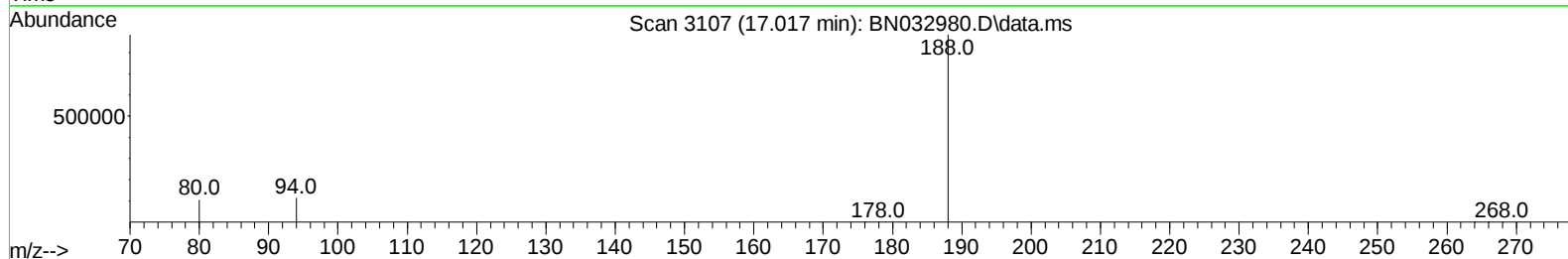
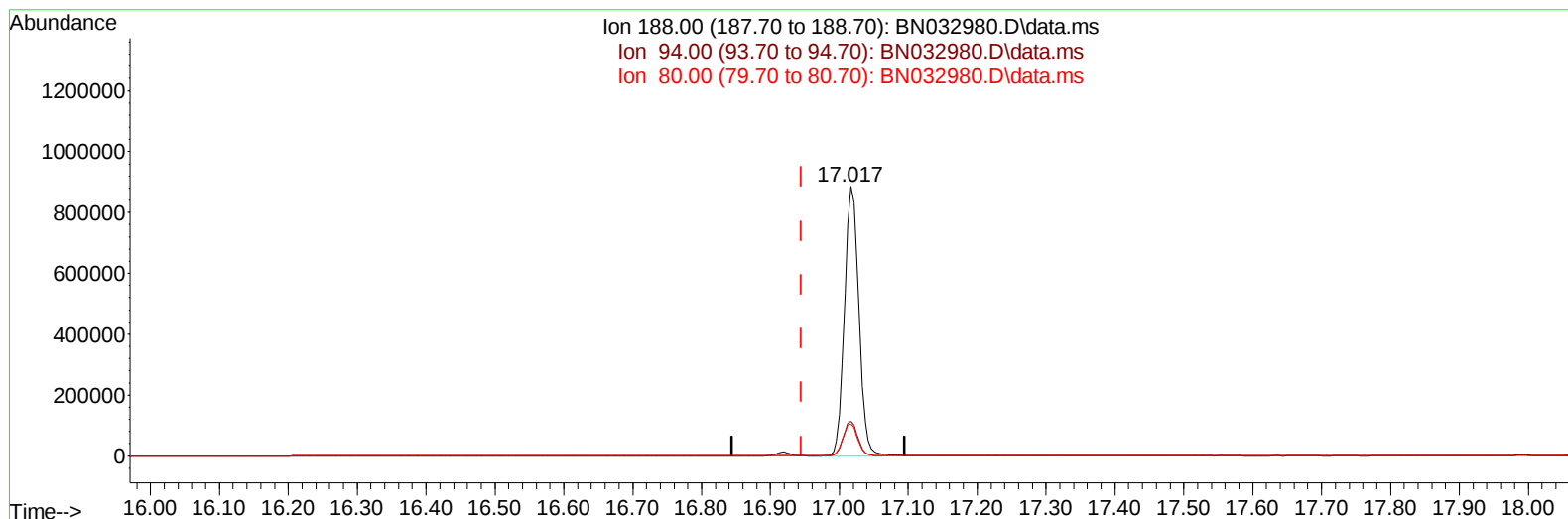
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
Acq On : 25 Jul 2024 20:09  
Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

Quant Time: Jul 26 01:18:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 25 15:43:00 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/30/2024



TIC: BN032980.D\data.ms

**(13) Phenanthrene-d10 (I)**

**17.017min (+ 0.072) 0.40 ng/u1**

**response 1278528**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 12.89  |
| 80.00  | 13.10  | 11.97  |
| 0.00   | 0.00   | 0.00   |

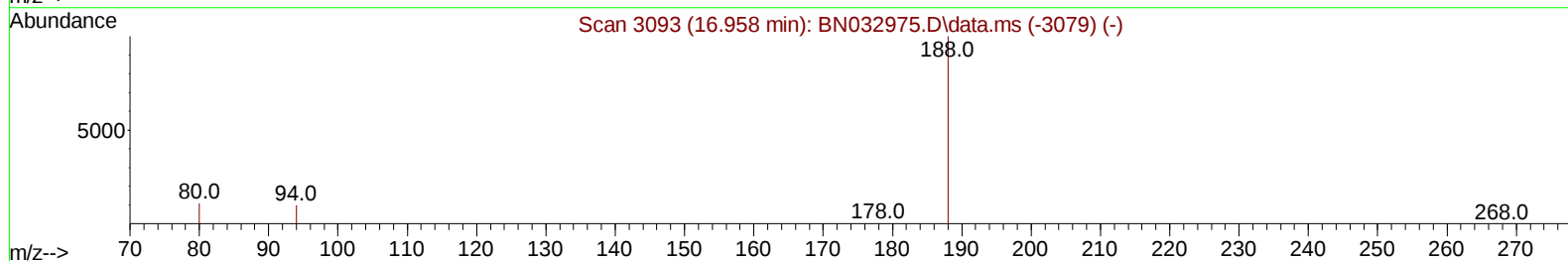
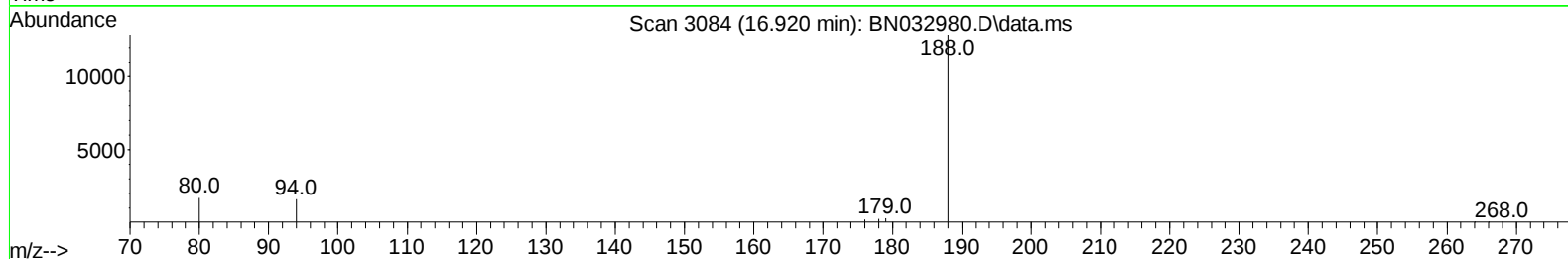
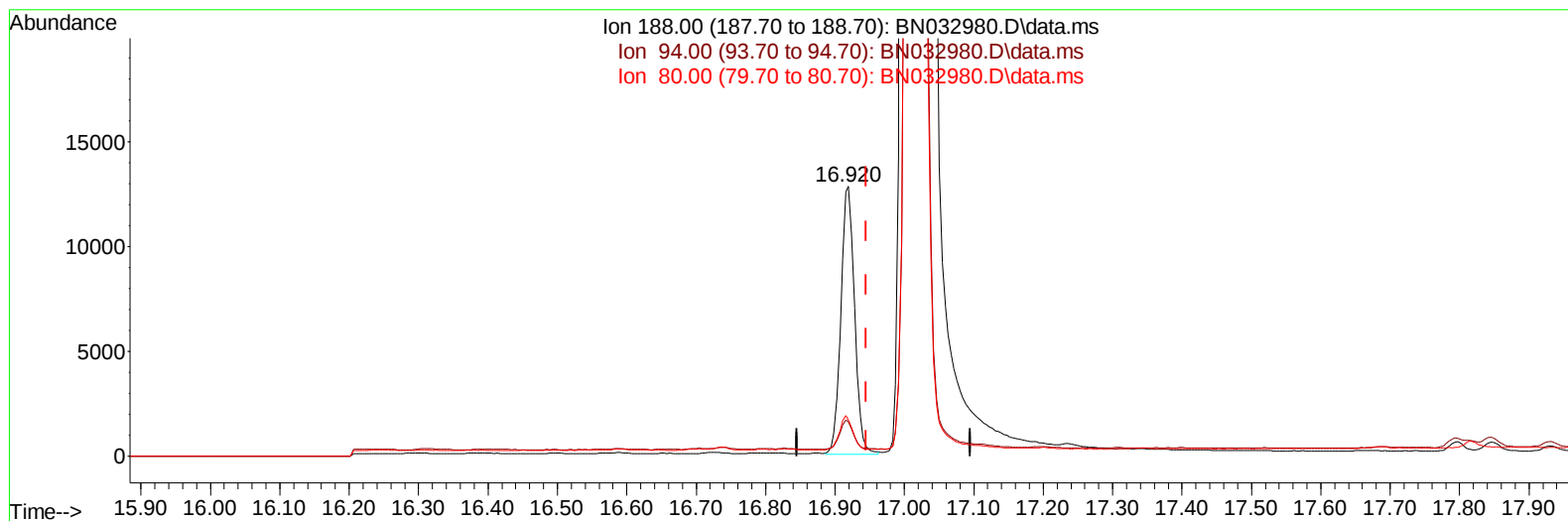
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
Acq On : 25 Jul 2024 20:09  
Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

Quant Time: Jul 26 01:18:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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Supervised By :mohammad ahmed 07/30/2024



TIC: BN032980.D\data.ms

(13) Phenanthrene-d10 (I)

16.920min (-0.026) 0.40 ng/ul m

response 17524

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 12.71  |
| 80.00  | 13.10  | 13.32  |
| 0.00   | 0.00   | 0.00   |

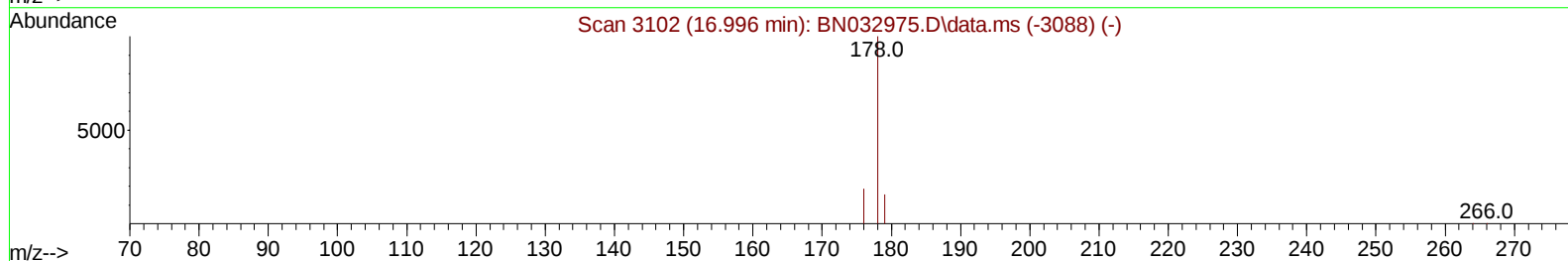
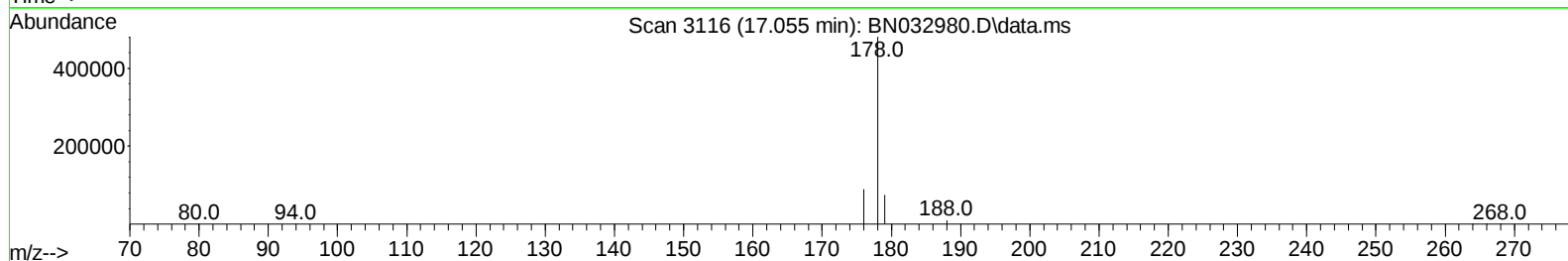
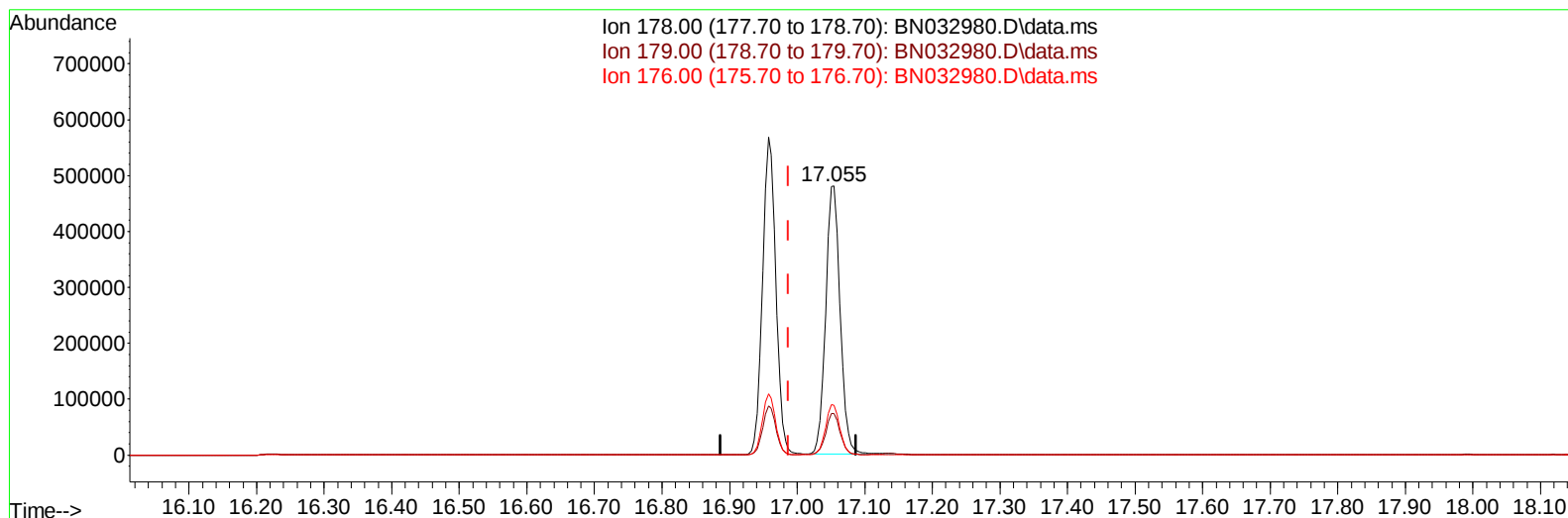
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
Acq On : 25 Jul 2024 20:09  
Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

Quant Time: Jul 26 01:18:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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TIC: BN032980.D\data.ms

(15) Phenanthrene

17.055min (+ 0.067) 15.05 ng/u1

response 707221

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 15.47  |
| 176.00 | 19.90  | 18.57  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
 Data File : BN032980.D  
 Acq On : 25 Jul 2024 20:09  
 Operator : MA/JU  
 Sample : P3347-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_N

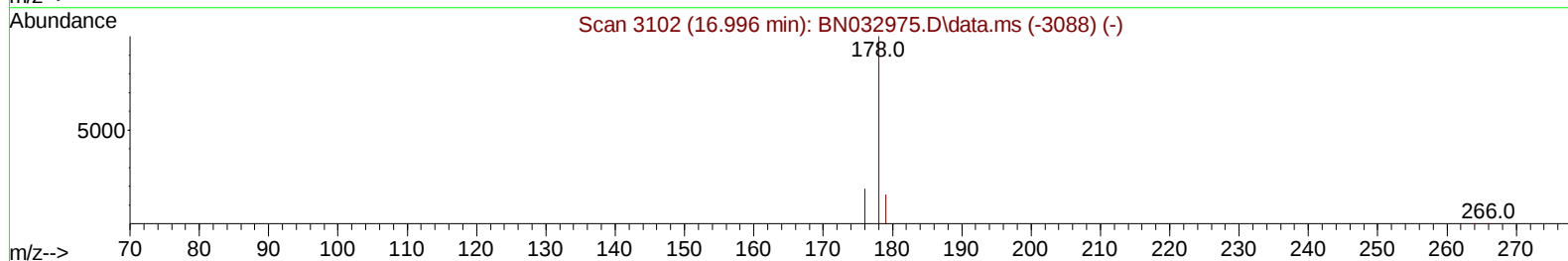
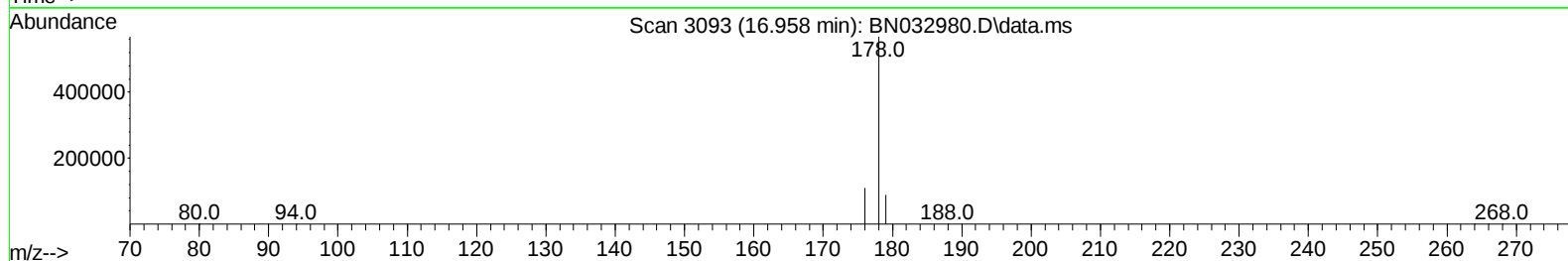
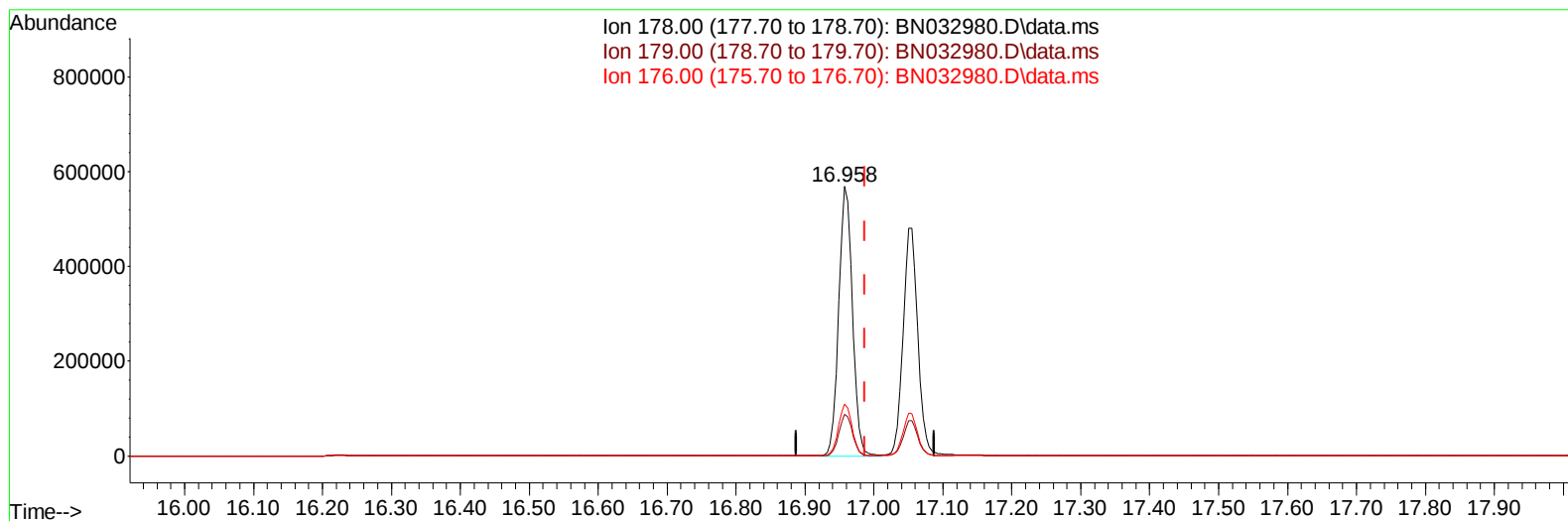
## ClientSampleId :

C0AM0

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
 Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 26 01:18:45 2024  
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TIC: BN032980.D\data.ms

## (15) Phenanthrene

16.958min (-0.030) 16.66 ng/ul m

response 782871

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 15.48  |
| 176.00 | 19.90  | 19.20  |
| 0.00   | 0.00   | 0.00   |

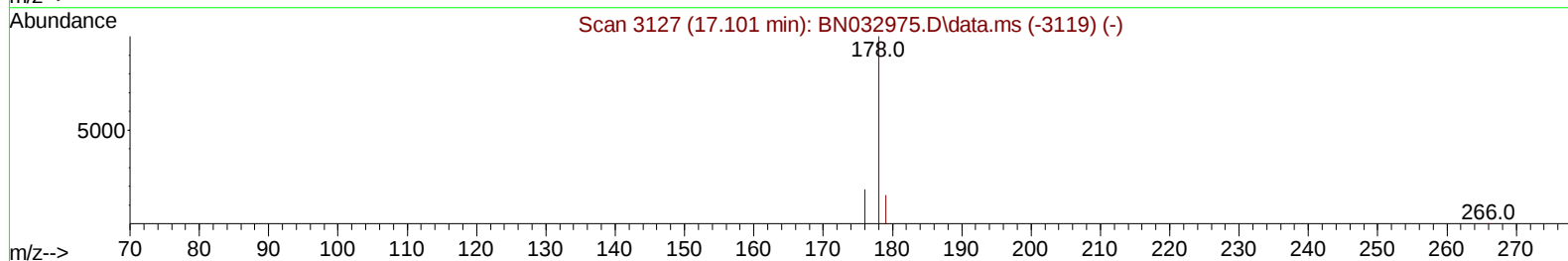
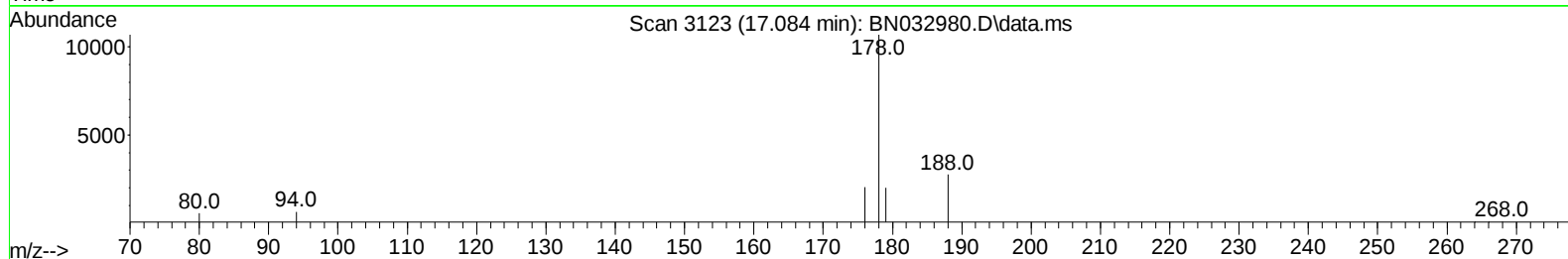
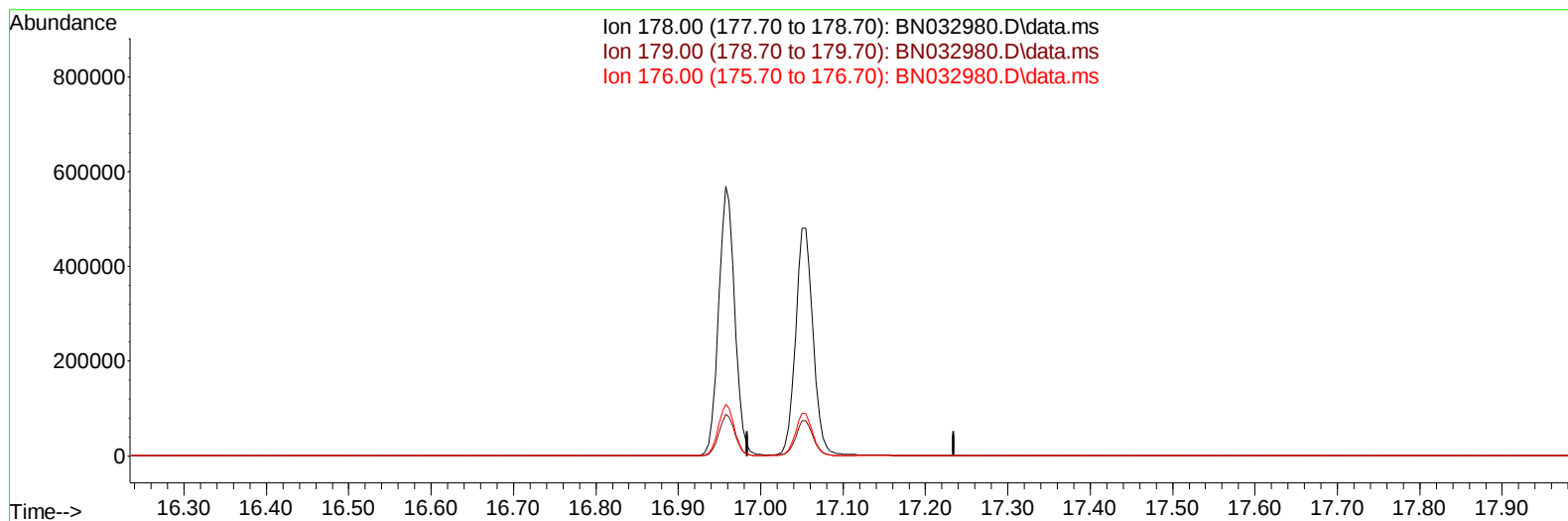
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
Acq On : 25 Jul 2024 20:09  
Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AM0

Manual IntegrationsAPPROVED

Quant Time: Jul 26 01:18:45 2024  
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TIC: BN032980.D\data.ms

(16) Anthracene

17.084min (-17.084) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 178.00 | 100.00 | 0.00  |
| 179.00 | 17.90  | 0.00# |
| 176.00 | 19.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

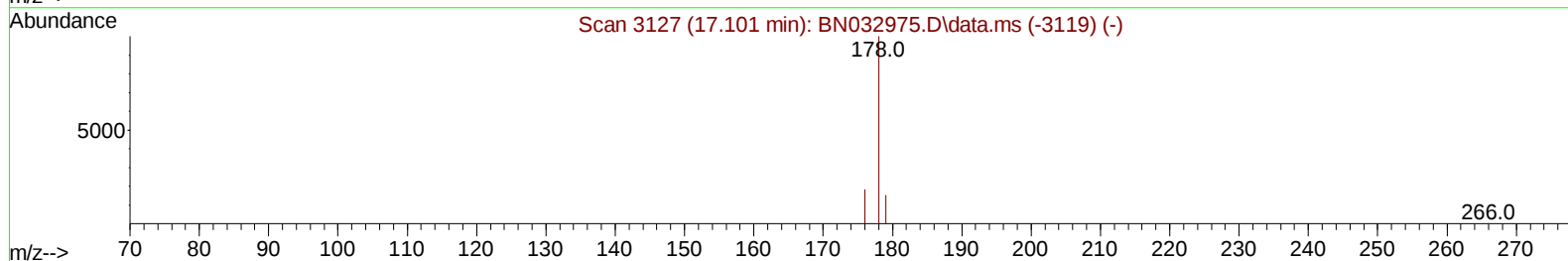
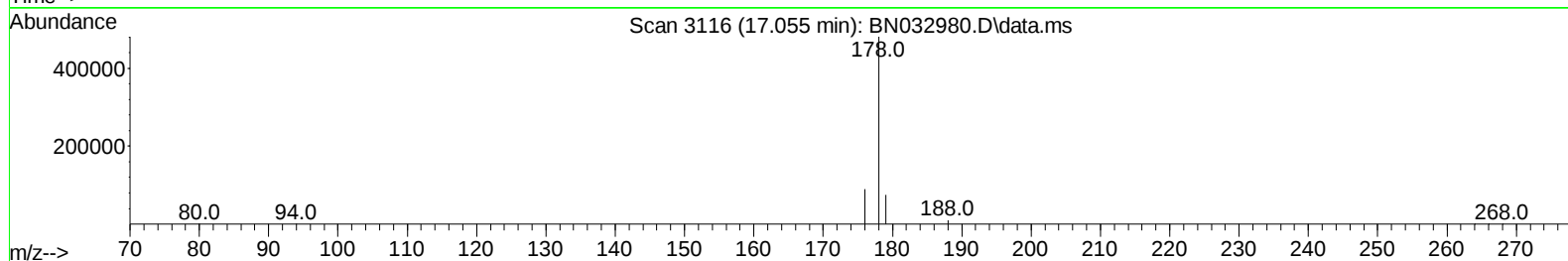
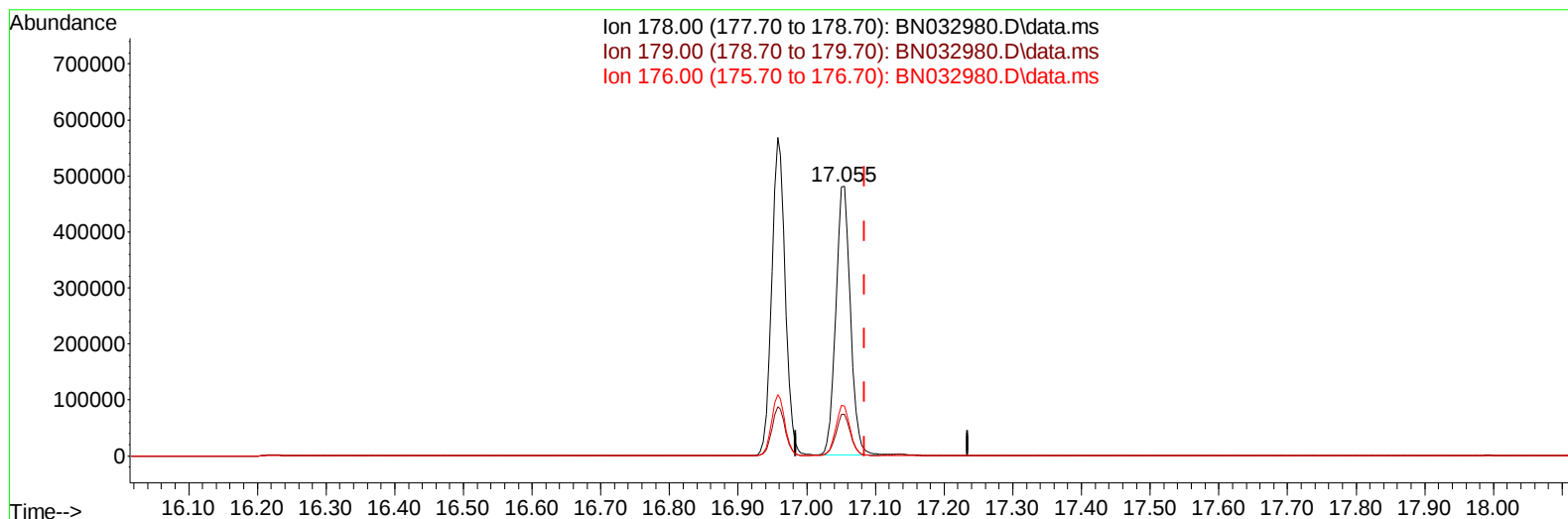
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
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Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

Quant Time: Jul 26 01:18:45 2024  
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TIC: BN032980.D\data.ms

(16) Anthracene

17.055min (-0.030) 16.80 ng/ul m

response 709886

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.90  | 15.47  |
| 176.00 | 19.80  | 18.57  |
| 0.00   | 0.00   | 0.00   |

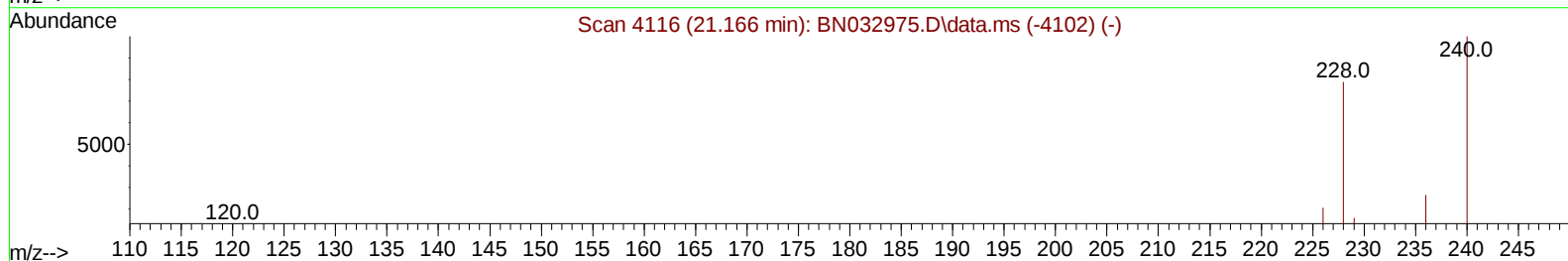
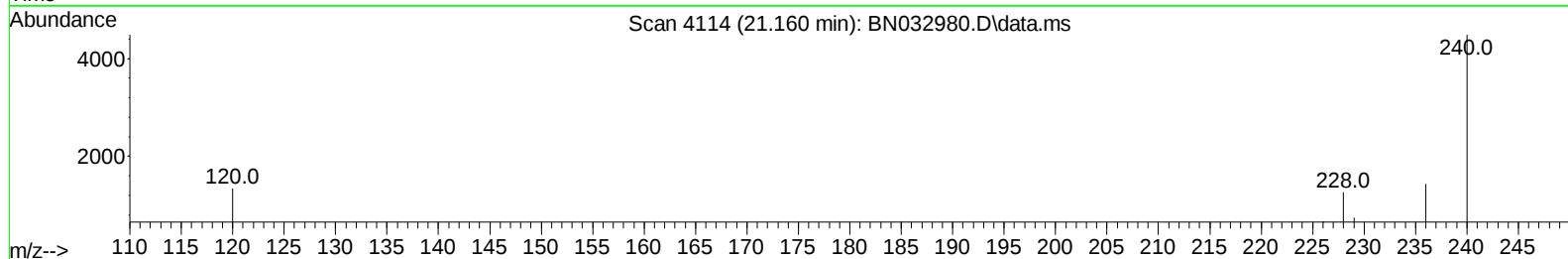
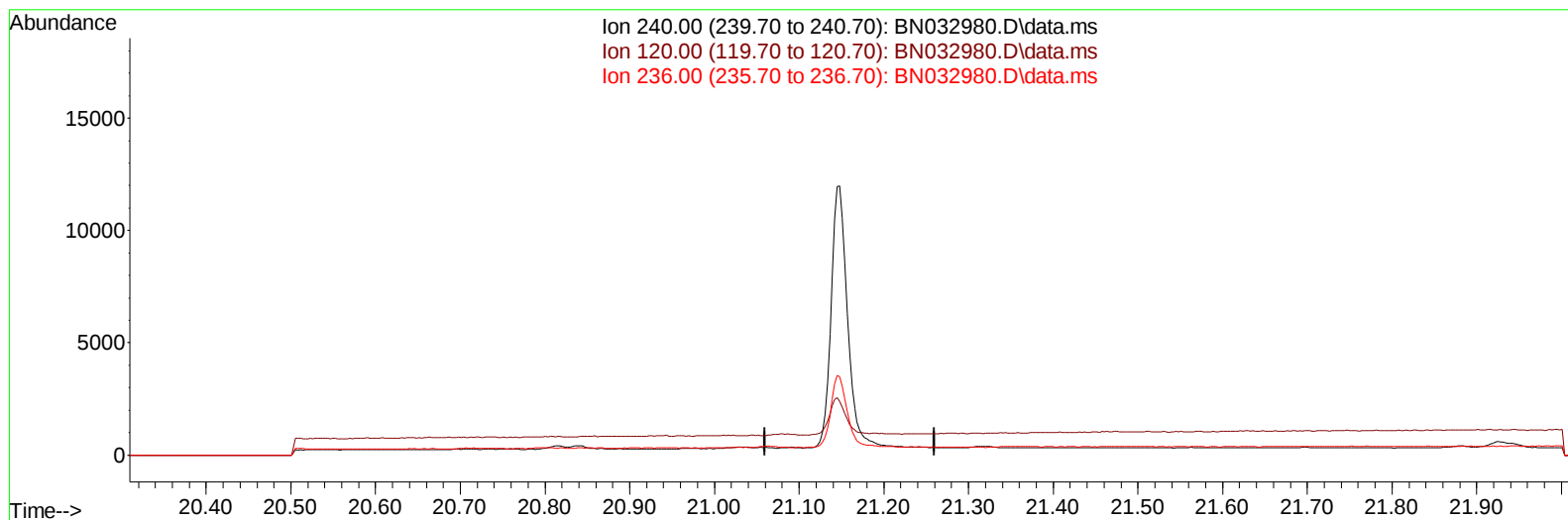
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
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Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

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TIC: BN032980.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 21.40  | 0.00# |
| 236.00 | 29.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

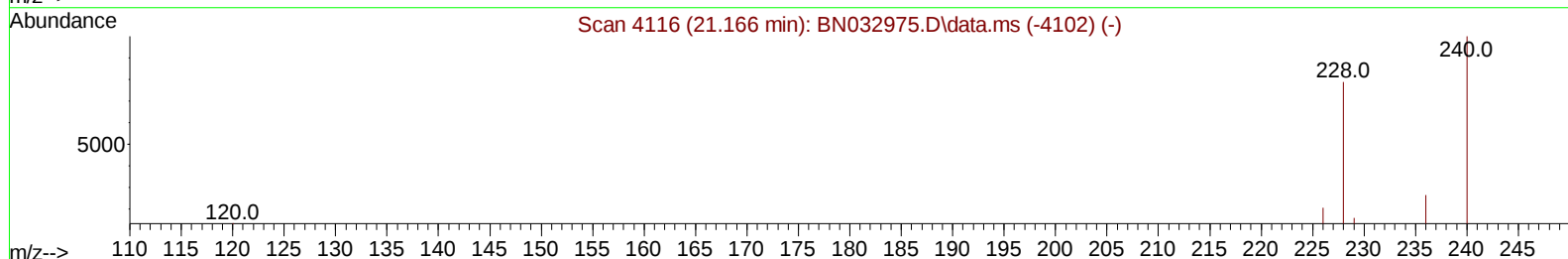
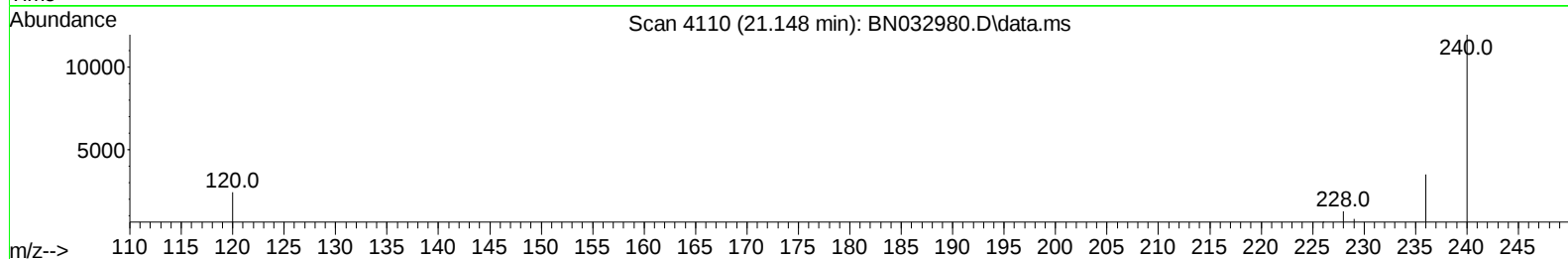
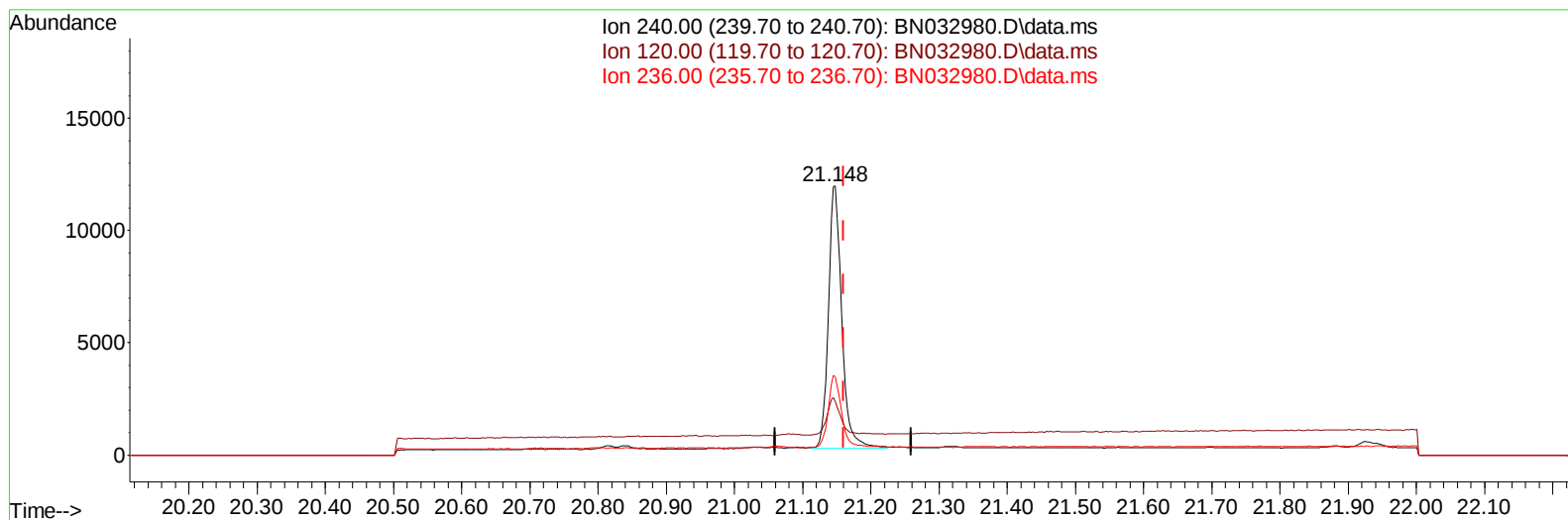
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072524\  
Data File : BN032980.D  
Acq On : 25 Jul 2024 20:09  
Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 26 01:18:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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TIC: BN032980.D\data.ms

## (17) Chrysene-d12

21.148min (-0.012) 0.40 ng/ul m

response 15996

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 21.40  | 20.01  |
| 236.00 | 29.50  | 29.09  |
| 0.00   | 0.00   | 0.00   |

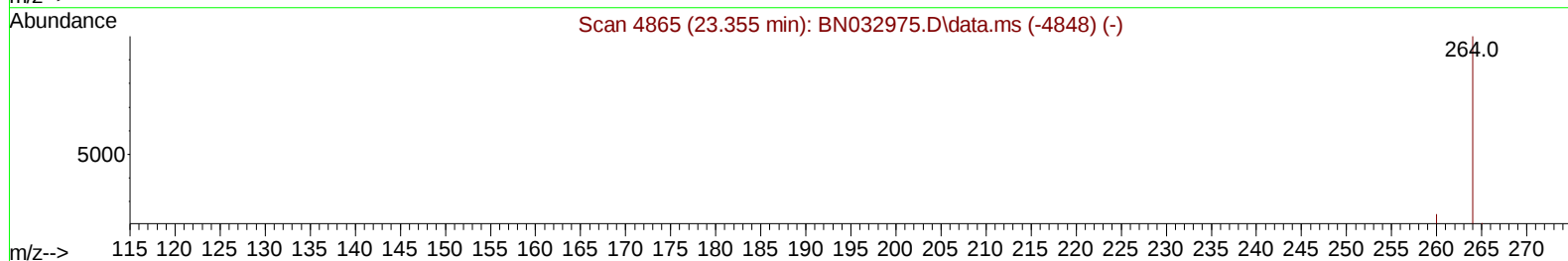
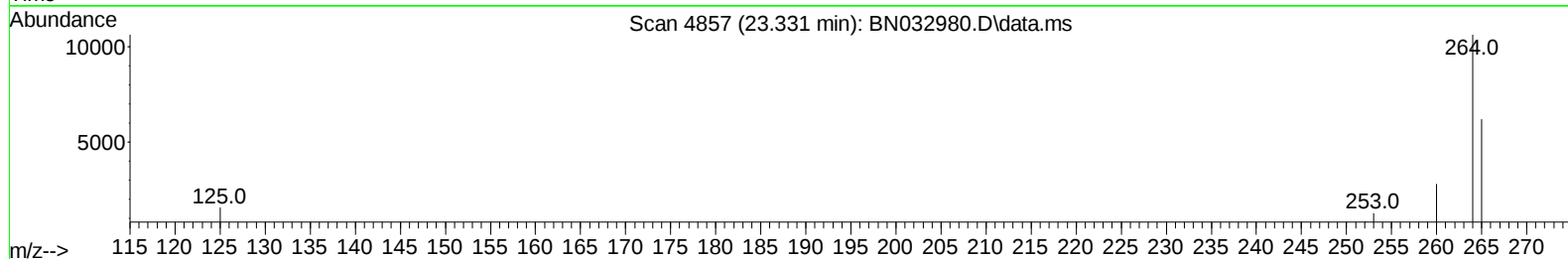
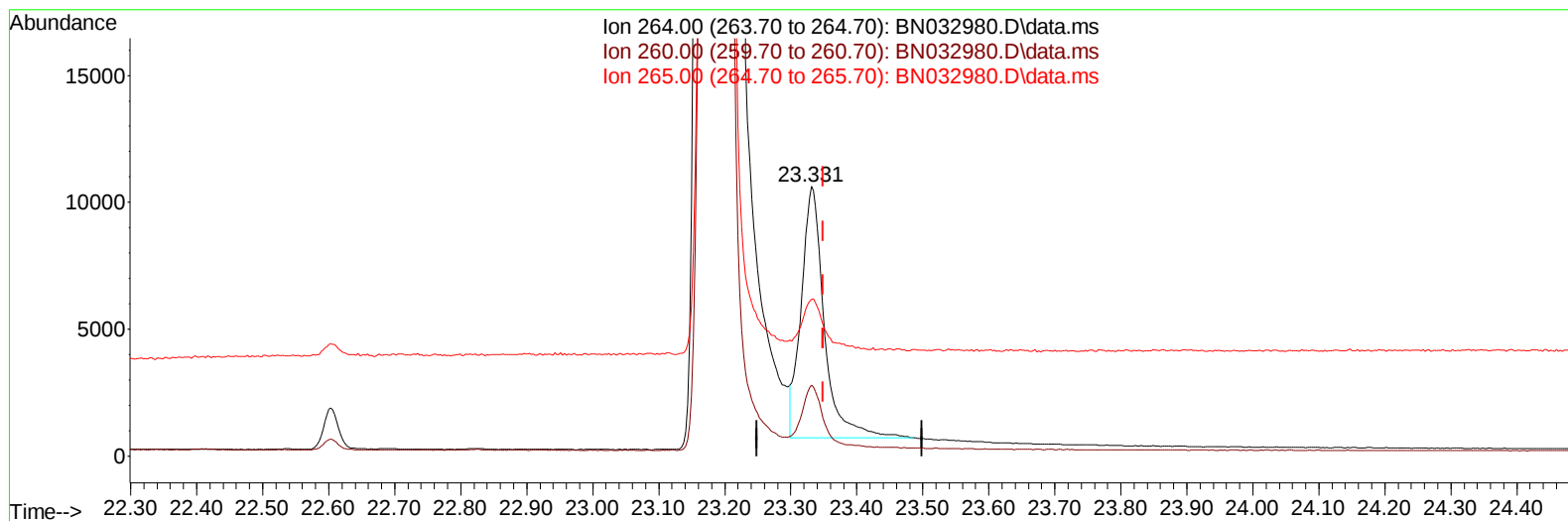
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Data File : BN032980.D  
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Operator : MA/JU  
Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

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TIC: BN032980.D\data.ms

(23) Perylene-d12 (I)

23.331min (-0.018) 0.40 ng/u1

response 24103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.20  |
| 265.00 | 80.60  | 58.16# |
| 0.00   | 0.00   | 0.00   |

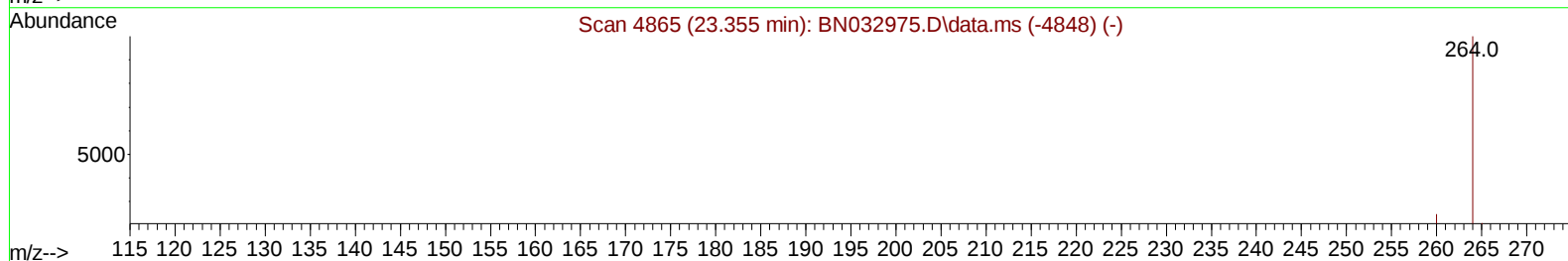
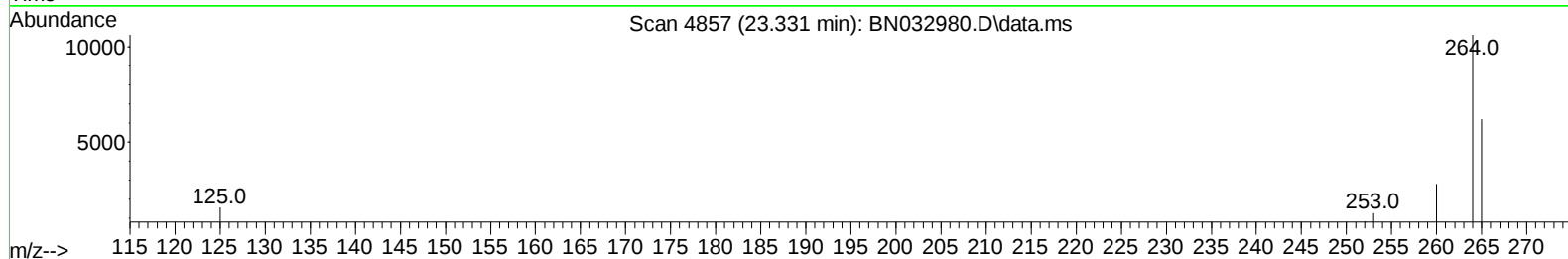
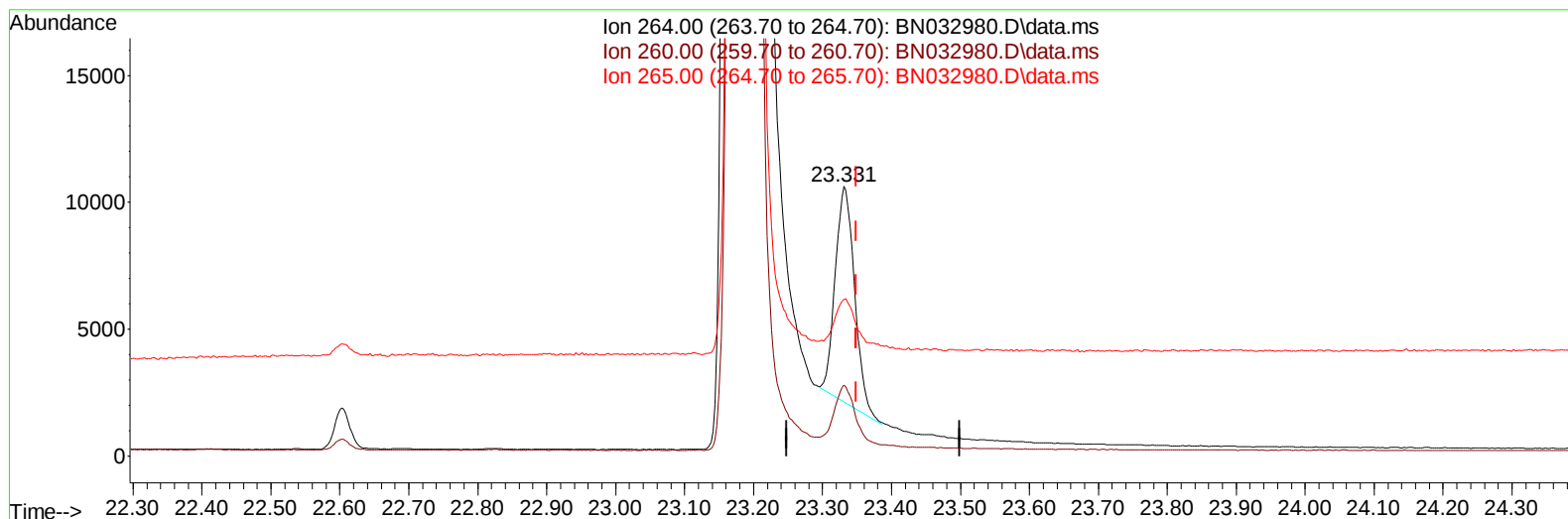
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Sample : P3347-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COAM0

Manual IntegrationsAPPROVED

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TIC: BN032980.D\data.ms

(23) Perylene-d12 (I)

23.331min (-0.018) 0.40 ng/ul m

response 16450

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.20  |
| 265.00 | 80.60  | 58.16# |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
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 ClientSampleId :  
 COAM0

Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.507  | 152  | 3645     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.267 | 136  | 12175    | 0.400  | ng/ul  | #-0.03   |
| 9) Acenaphthene-d10         | 14.157 | 164  | 7884     | 0.400  | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.920 | 188  | 17524m   | 0.400  | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.148 | 240  | 15996m   | 0.400  | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.331 | 264  | 16450m   | 0.400  | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.064  | 96   | 19141    | 4.151  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.873 | 152  | 6172     | 0.311  | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.967 | 212  | 17319    | 0.382  | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.317 | 128  | 279372   | 8.935  | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 11.950 | 142  | 72795    | 3.437  | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.170 | 142  | 37891    | 1.654  | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.874 | 152  | 4048     | 0.125  | ng/ul# | 86       |
| 11) Acenaphthene            | 14.217 | 153  | 213108   | 8.781  | ng/ul  | 98       |
| 12) Fluorene                | 15.216 | 166  | 226604   | 8.011  | ng/ul  | 98       |
| 15) Phenanthrene            | 16.958 | 178  | 782871m  | 16.655 | ng/ul  |          |
| 16) Anthracene              | 17.055 | 178  | 709886m  | 16.798 | ng/ul  |          |
| 19) Fluoranthene            | 18.995 | 202  | 193368   | 3.671  | ng/ul  | 98       |
| 20) Pyrene                  | 19.362 | 202  | 105305   | 1.864  | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.130 | 228  | 4647     | 0.085  | ng/ul# | 76       |
| 22) Chrysene                | 21.186 | 228  | 3439     | 0.054  | ng/ul# | 76       |
| -----                       |        |      |          |        |        |          |

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

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