

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM042993.D  
 Acq On : 24 Nov 2023 23:58  
 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

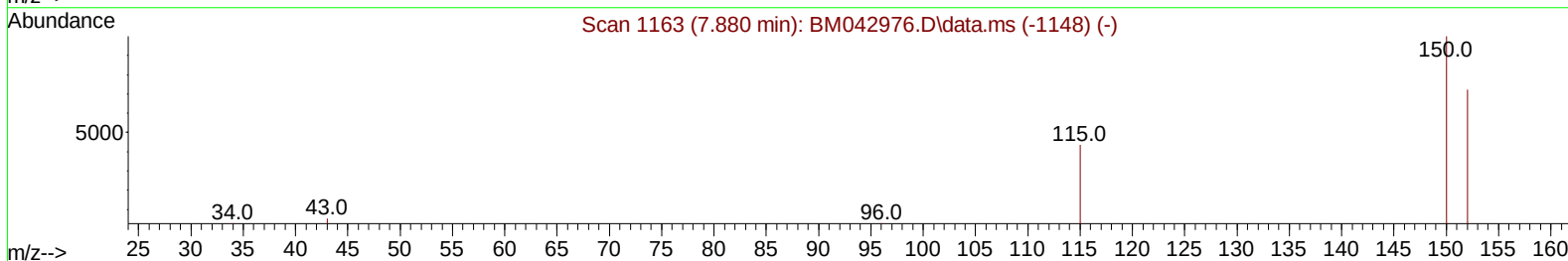
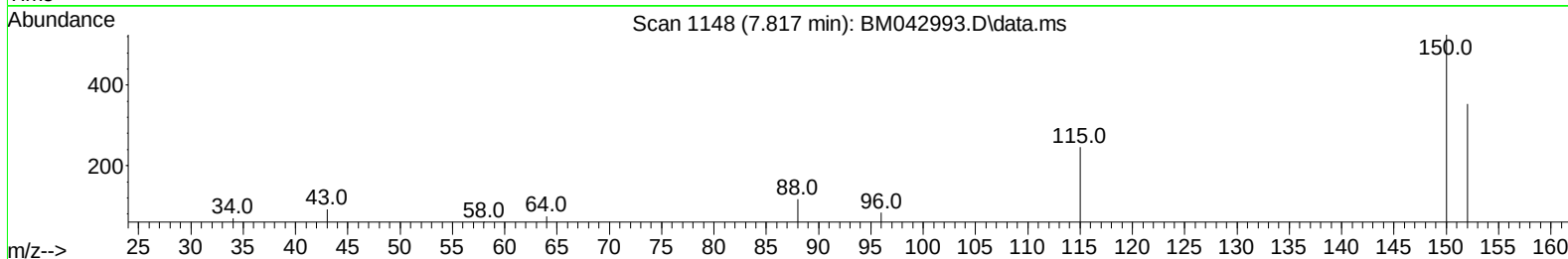
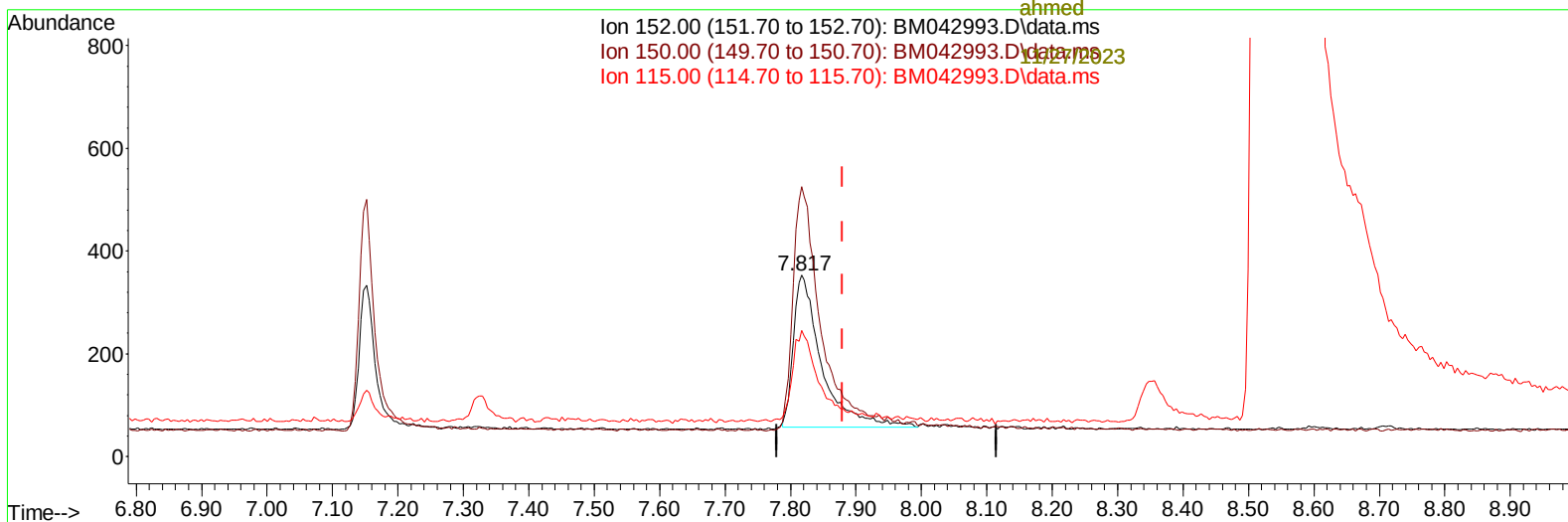
Manual IntegrationsAPPROVED

Quant Time: Nov 25 00:45:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 24 15:22:31 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 152.00 (151.70 to 152.70): BM042993.D\data.ms  
 Ion 150.00 (149.70 to 150.70): BM042993.D\data.ms  
 Ion 115.00 (114.70 to 115.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.817min (-0.063) 0.40 ng/ul

response 888

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 124.60 | 148.73 |
| 115.00 | 89.60  | 69.69# |
| 0.00   | 0.00   | 0.00   |

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BNA\_M  
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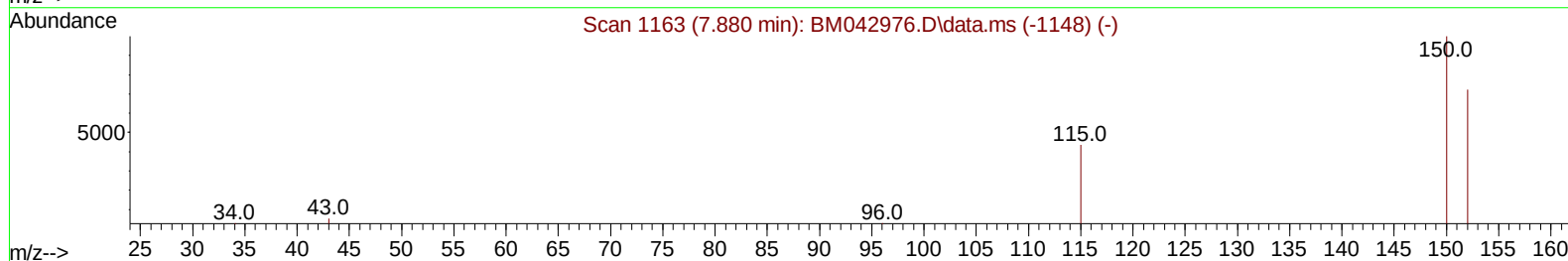
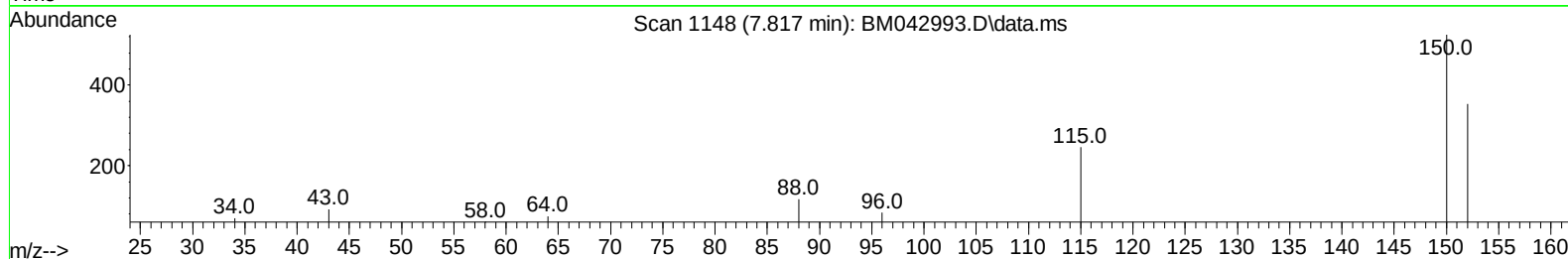
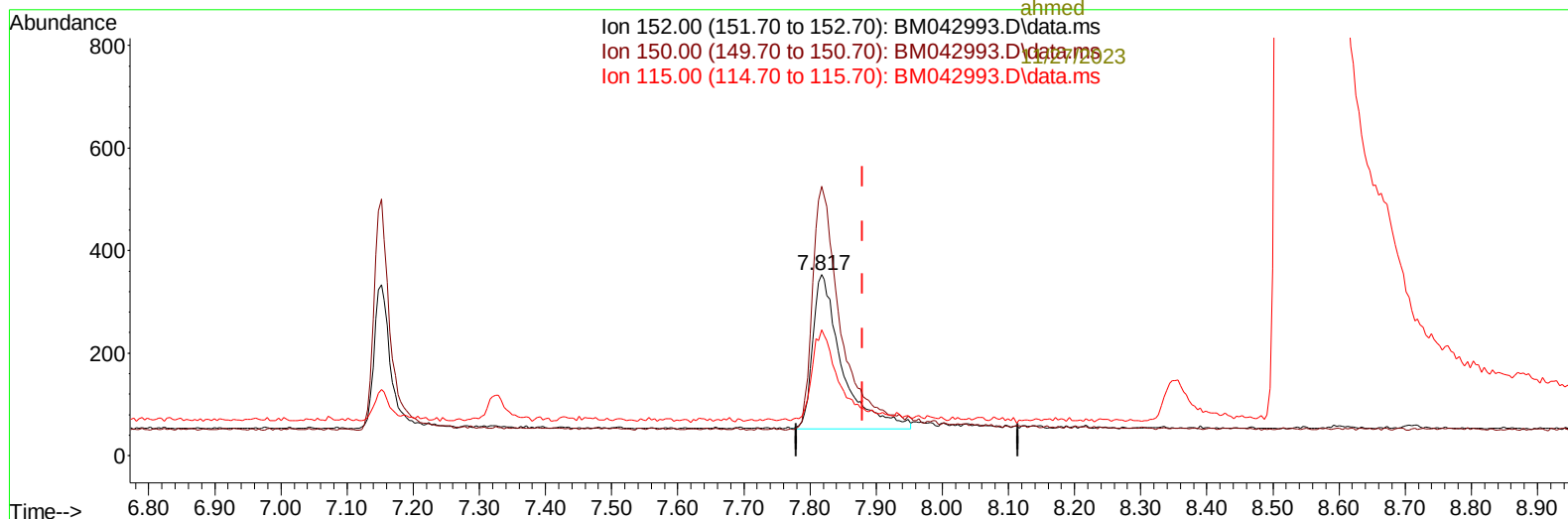
## Manual IntegrationsAPPROVED

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11/27/2023  
Supervised By :mohammad  
ahmed

Ion 152.00 (151.70 to 152.70): BM042993.D\data.ms  
Ion 150.00 (149.70 to 150.70): BM042993.D\data.ms  
Ion 115.00 (114.70 to 115.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

## (1) 1,4-Dichlorobenzene-d4 (I)

7.817min (-0.063) 0.40 ng/ul m

response 927

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 124.60 | 148.73 |
| 115.00 | 89.60  | 69.69# |
| 0.00   | 0.00   | 0.00   |

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 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

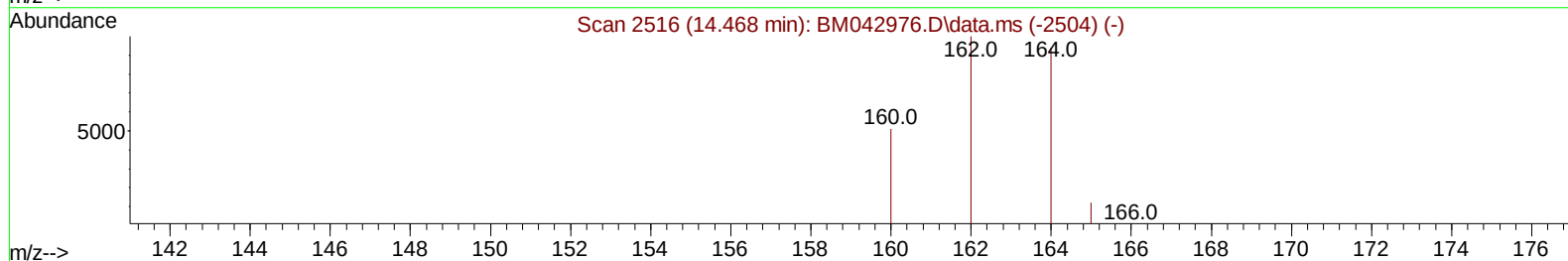
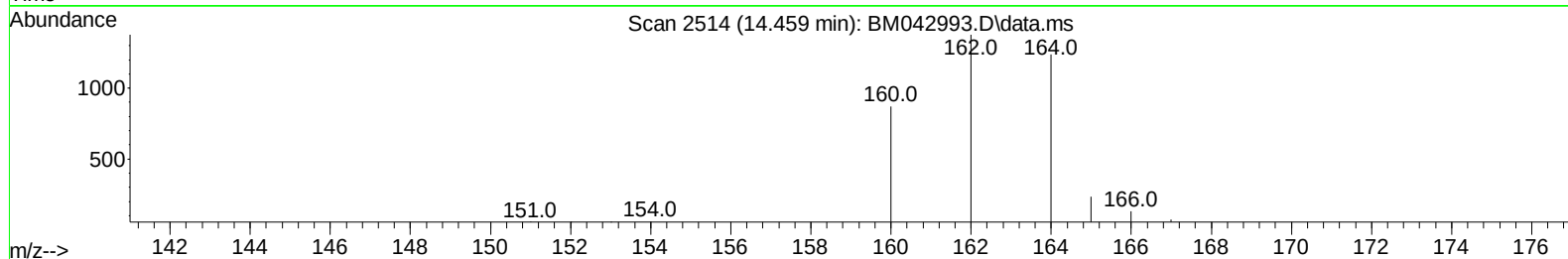
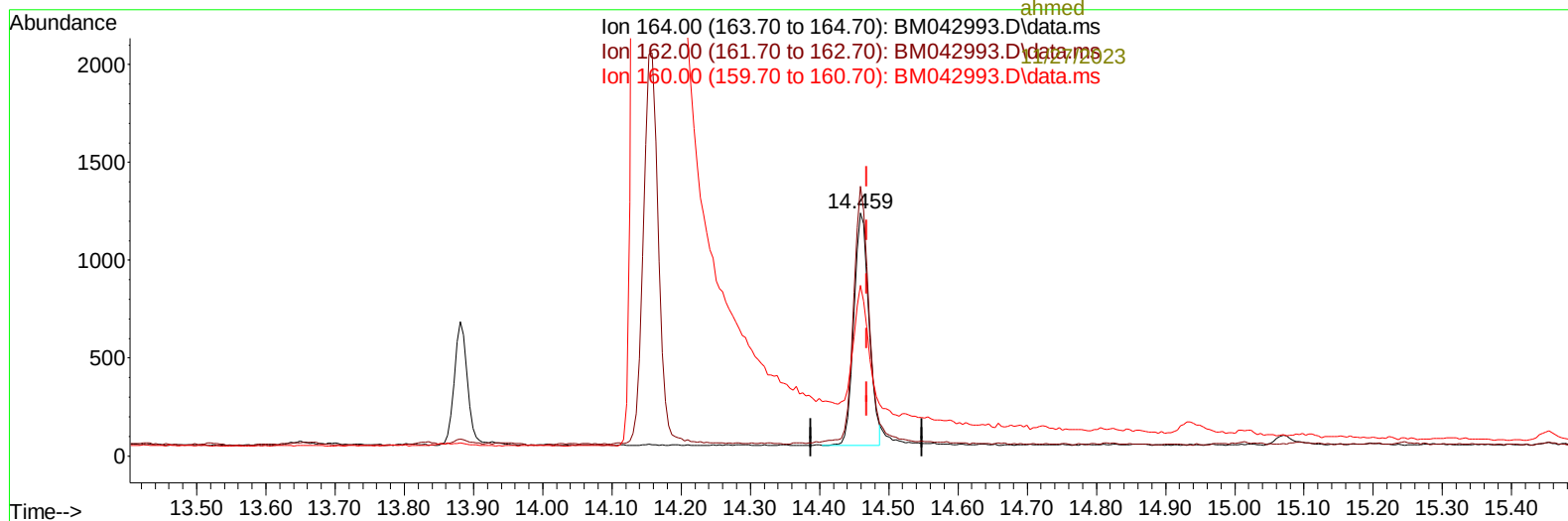
## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 164.00 (163.70 to 164.70): BM042993.D\data.ms  
 Ion 162.00 (161.70 to 162.70): BM042993.D\data.ms  
 Ion 160.00 (159.70 to 160.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

## (9) Acenaphthene-d10 (I)

14.459min (-0.009) 0.40 ng/u1

response 1830

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 111.05 |
| 160.00 | 57.20  | 70.32# |
| 0.00   | 0.00   | 0.00   |

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 Acq On : 24 Nov 2023 23:58  
 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

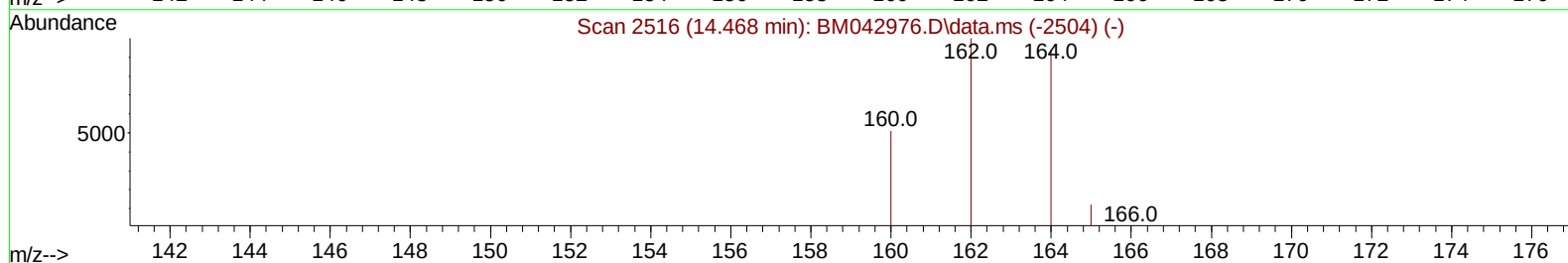
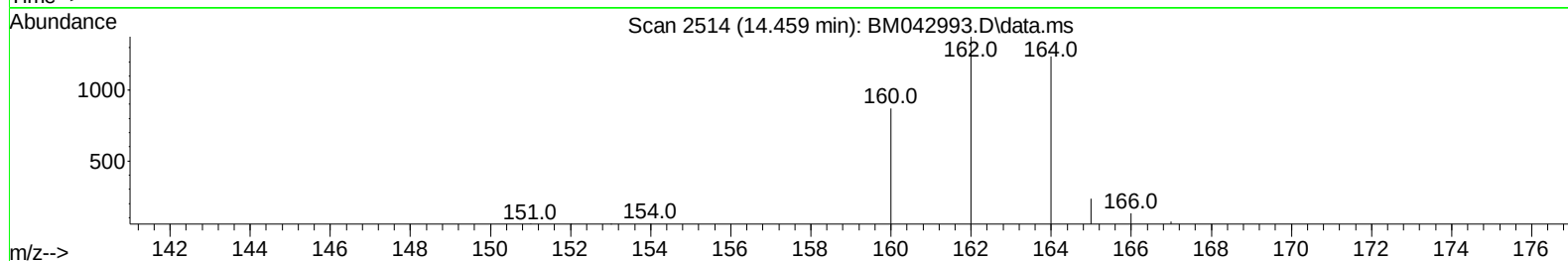
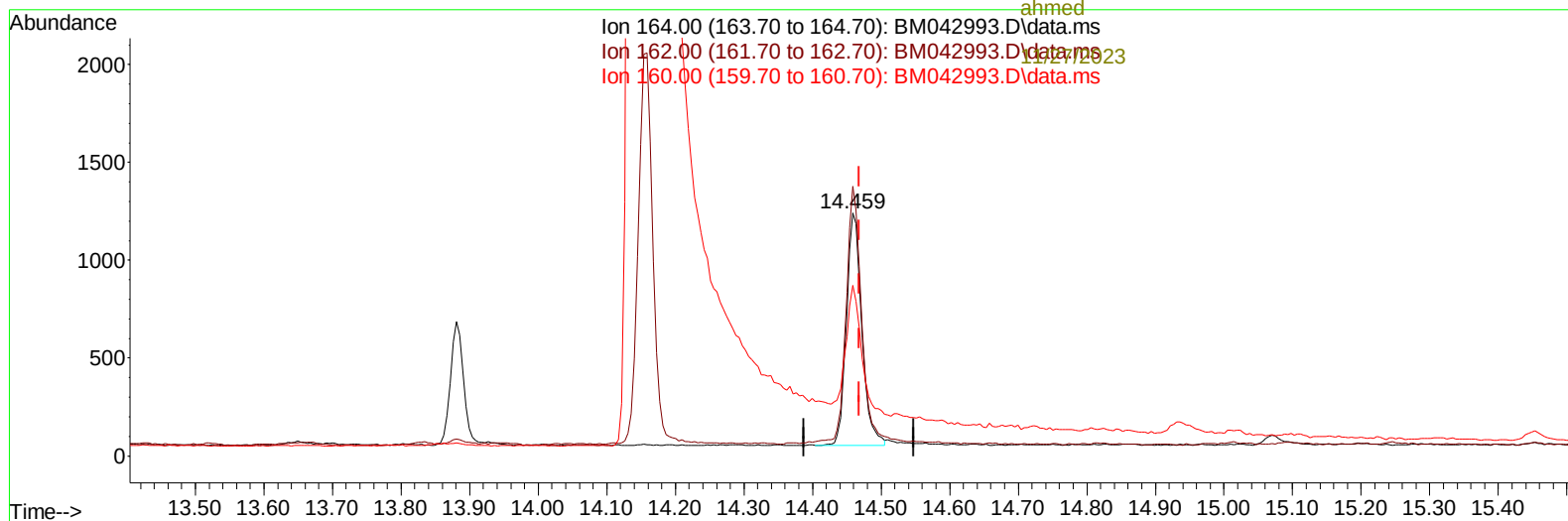
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

## Manual IntegrationsAPPROVED

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed



TIC: BM042993.D\data.ms

## (9) Acenaphthene-d10 (I)

14.459min (-0.009) 0.40 ng/ul m

response 1883

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 111.05 |
| 160.00 | 57.20  | 70.32# |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

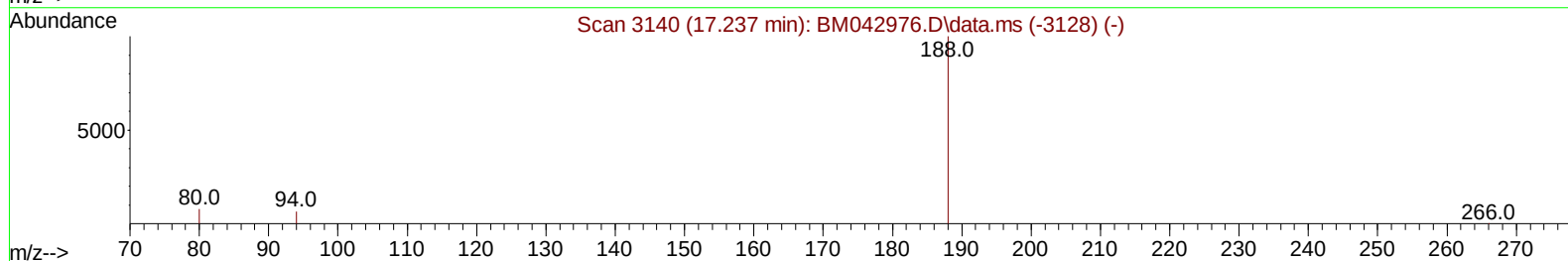
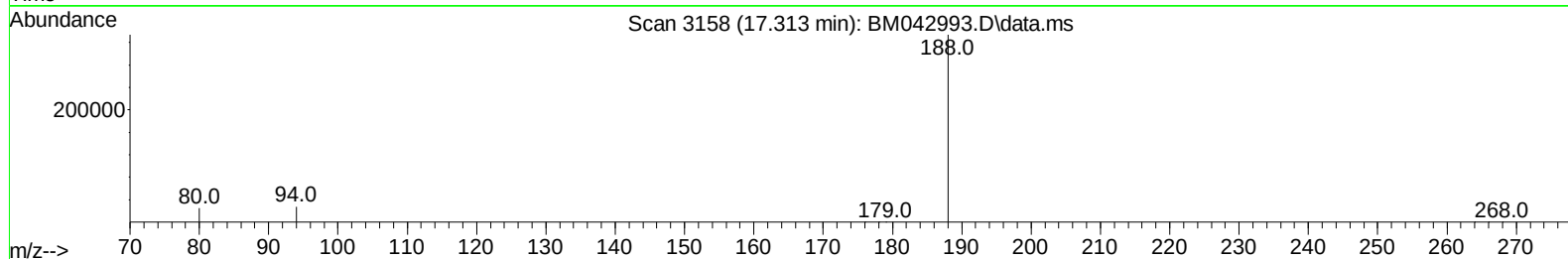
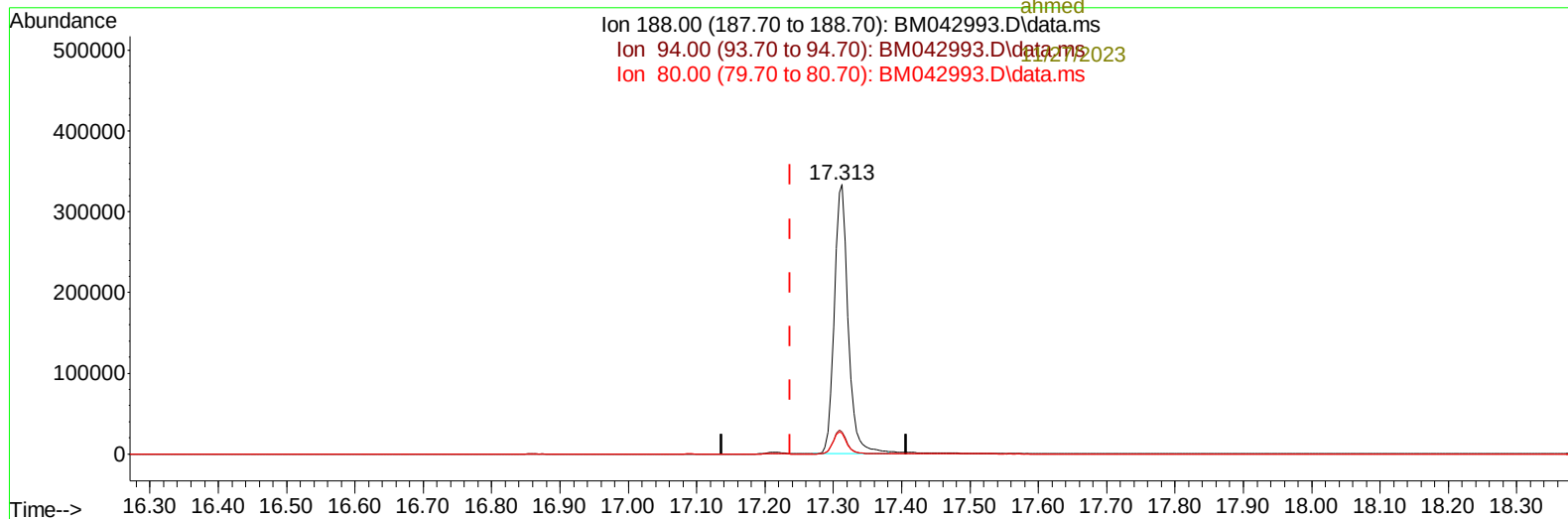
Manual IntegrationsAPPROVED

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 188.00 (187.70 to 188.70): BM042993.D\data.ms  
 Ion 94.00 (93.70 to 94.70): BM042993.D\data.ms  
 Ion 80.00 (79.70 to 80.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

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

**17.313min (+ 0.076) 0.40 ng/u1**

**response 471260**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 8.22#  |
| 80.00  | 12.70  | 7.59#  |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

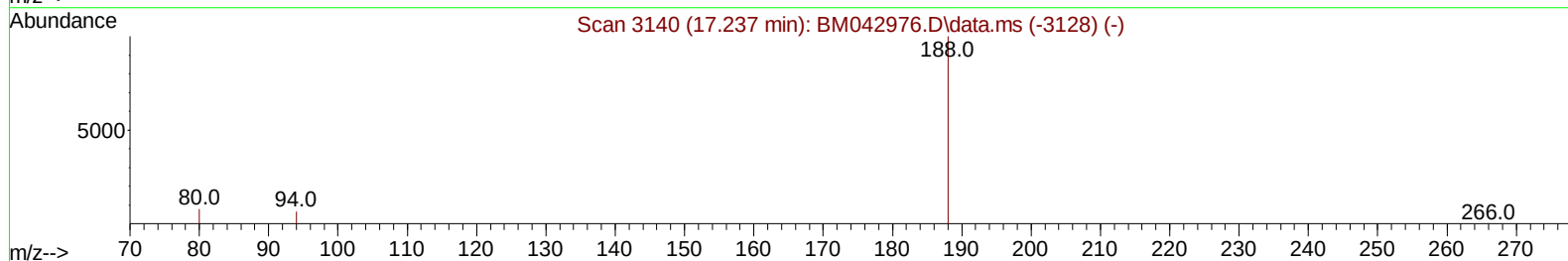
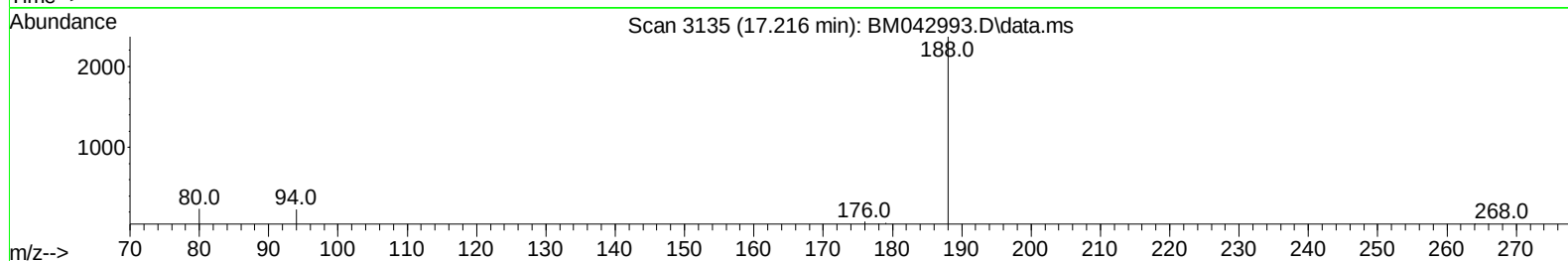
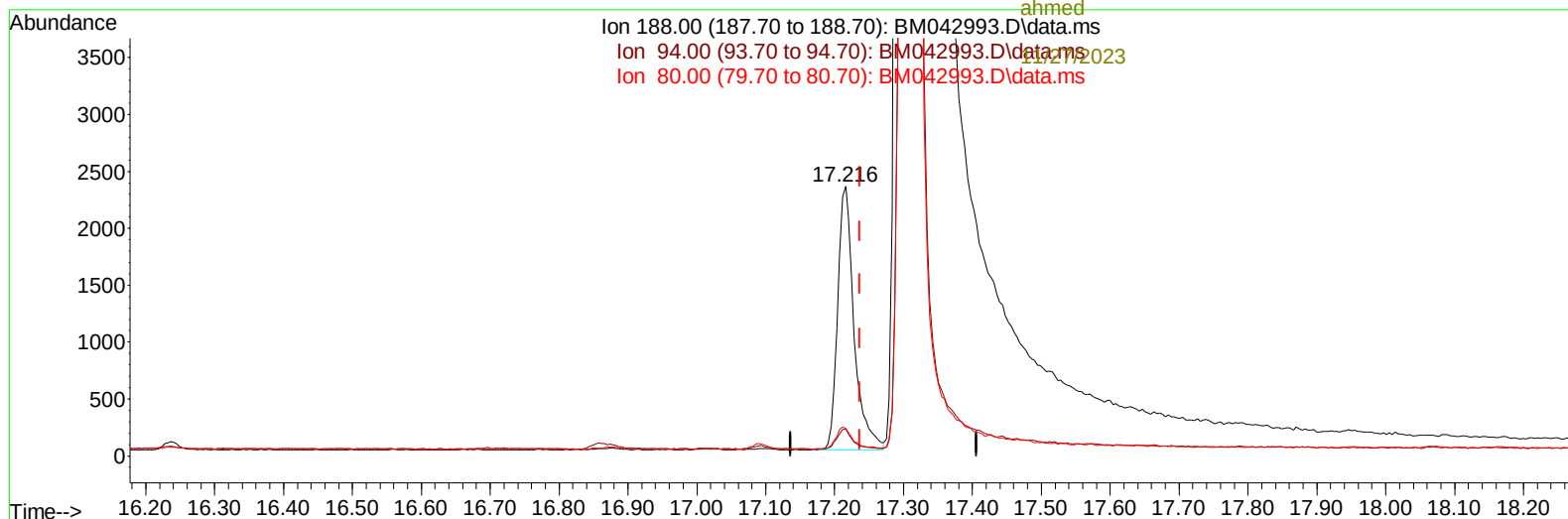
Manual IntegrationsAPPROVED

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 188.00 (187.70 to 188.70): BM042993.D\data.ms  
 Ion 94.00 (93.70 to 94.70): BM042993.D\data.ms  
 Ion 80.00 (79.70 to 80.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

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

17.216min (-0.021) 0.40 ng/ul m

response 3824

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 9.92   |
| 80.00  | 12.70  | 10.18  |
| 0.00   | 0.00   | 0.00   |

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 Data File : BM042993.D  
 Acq On : 24 Nov 2023 23:58  
 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

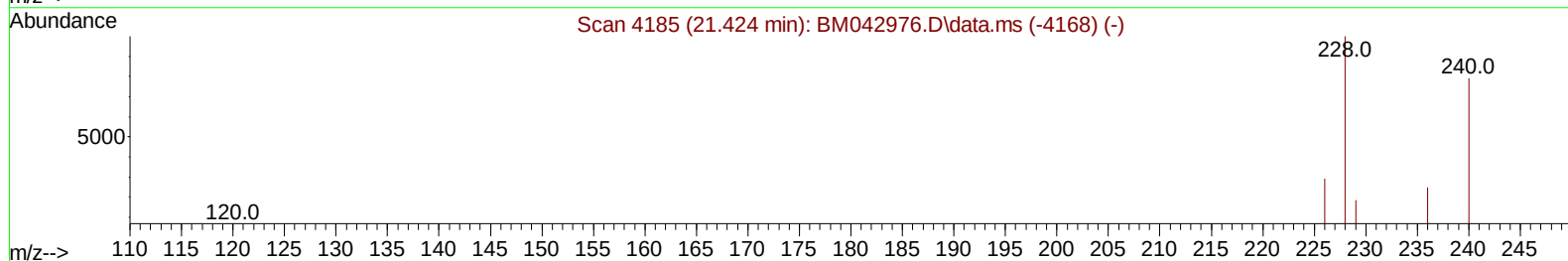
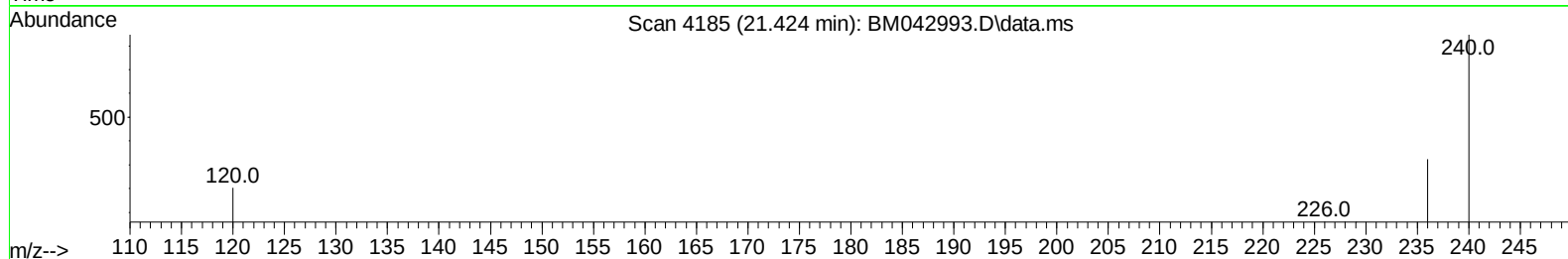
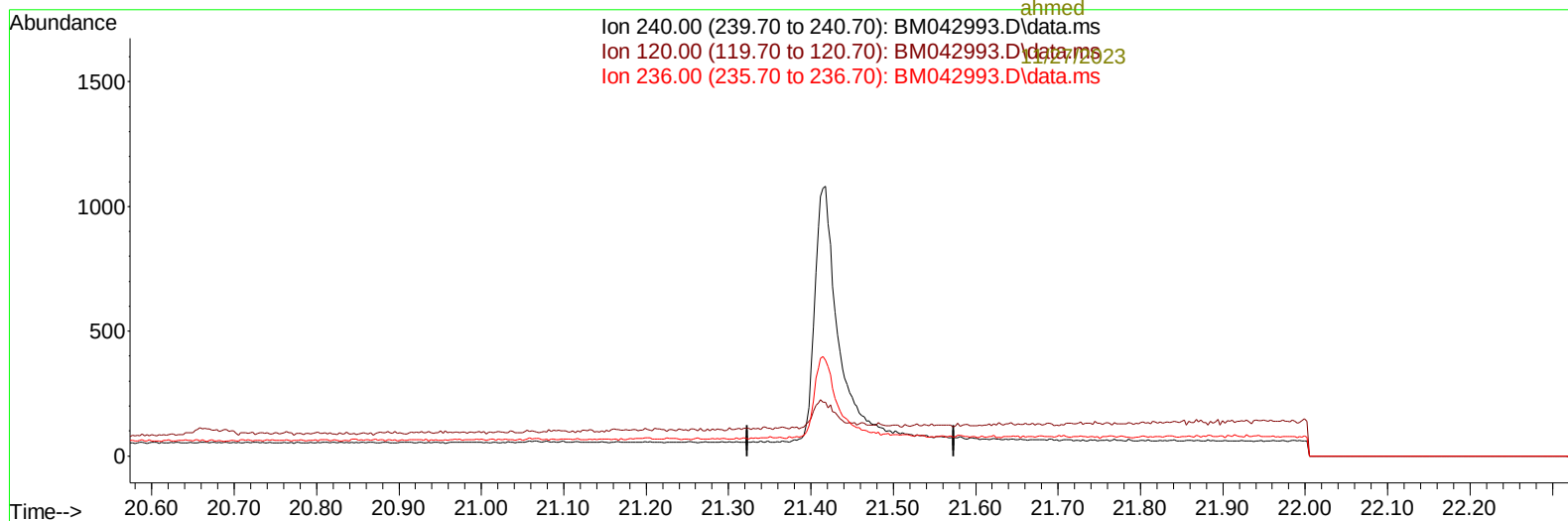
## Manual IntegrationsAPPROVED

Quant Time: Nov 25 00:45:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 24 15:22:31 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 240.00 (239.70 to 240.70): BM042993.D\data.ms  
 Ion 120.00 (119.70 to 120.70): BM042993.D\data.ms  
 Ion 236.00 (235.70 to 236.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

## (17) Chrysene-d12

21.424min (-21.424) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 22.80  | 0.00# |
| 236.00 | 38.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM042993.D  
 Acq On : 24 Nov 2023 23:58  
 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

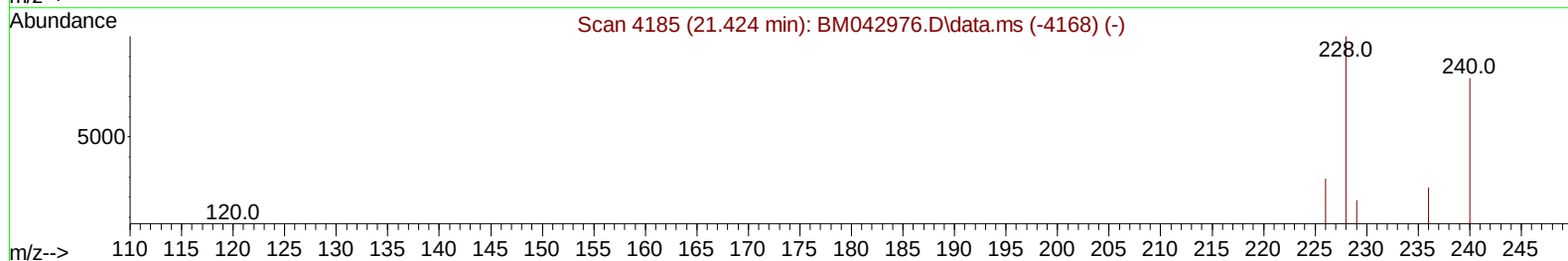
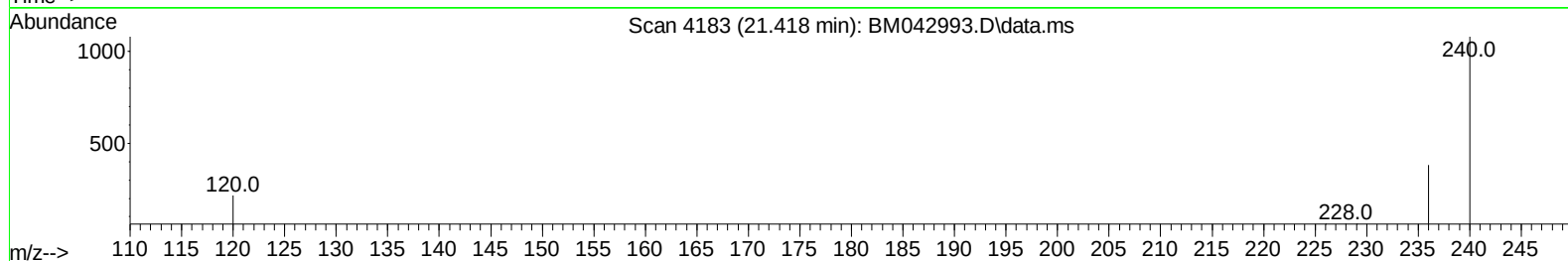
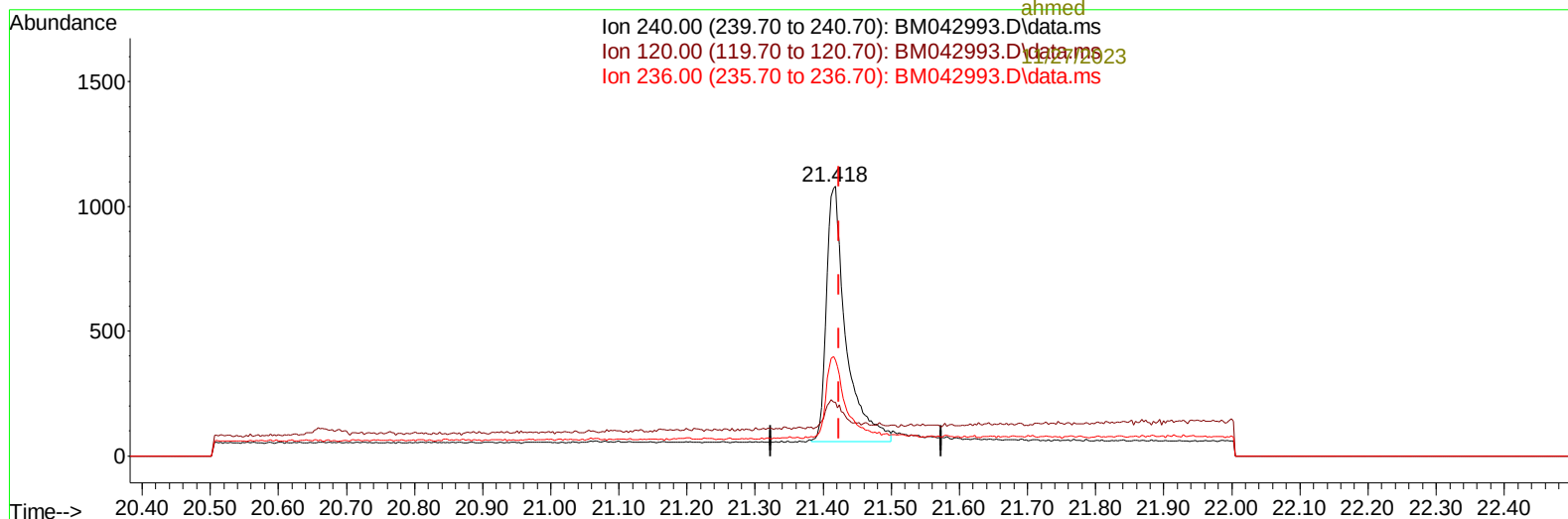
## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
 Supervised By :mohammad  
 ahmed

Ion 240.00 (239.70 to 240.70): BM042993.D\data.ms  
 Ion 120.00 (119.70 to 120.70): BM042993.D\data.ms  
 Ion 236.00 (235.70 to 236.70): BM042993.D\data.ms



TIC: BM042993.D\data.ms

## (17) Chrysene-d12

21.418min (-0.006) 0.40 ng/ul m

| response | 2033   |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 240.00   | 100.00 | 100.00 |
| 120.00   | 22.80  | 19.91  |
| 236.00   | 38.50  | 35.46  |
| 0.00     | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM042993.D  
 Acq On : 24 Nov 2023 23:58  
 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

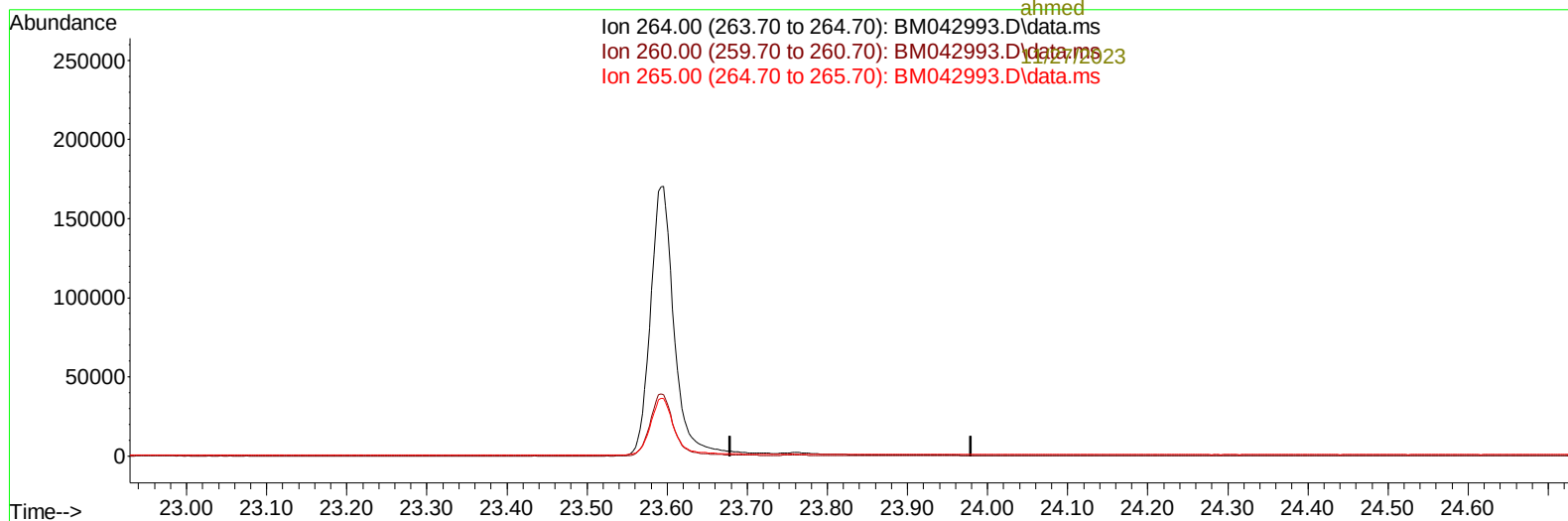
## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/28/2023

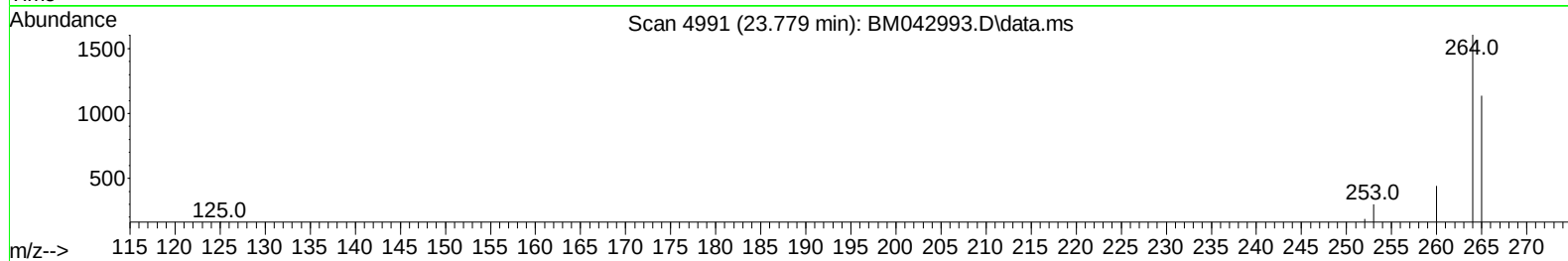
Quant Time: Nov 25 00:45:37 2023  
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11/27/2023  
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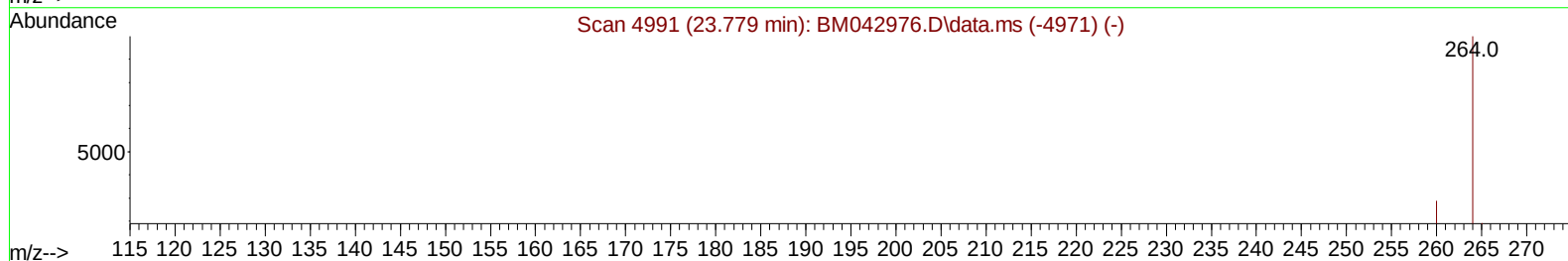
Ion 264.00 (263.70 to 264.70): BM042993.D\data.ms  
 Ion 260.00 (259.70 to 260.70): BM042993.D\data.ms  
 Ion 265.00 (264.70 to 265.70): BM042993.D\data.ms



Scan 4991 (23.779 min): BM042993.D\data.ms



Scan 4991 (23.779 min): BM042976.D\data.ms (-4971) (-)



TIC: BM042993.D\data.ms

## (23) Perylene-d12 (I)

23.779min (-23.779) 0.00 ng/ul

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 264.00 | 100.00 | 0.00  |
| 260.00 | 33.90  | 0.00# |
| 265.00 | 120.30 | 0.00# |
| 0.00   | 0.00   | 0.00  |

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 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

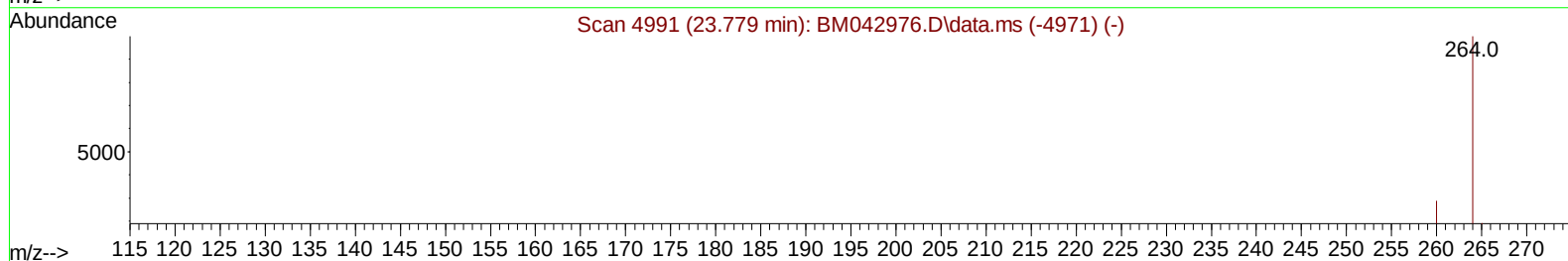
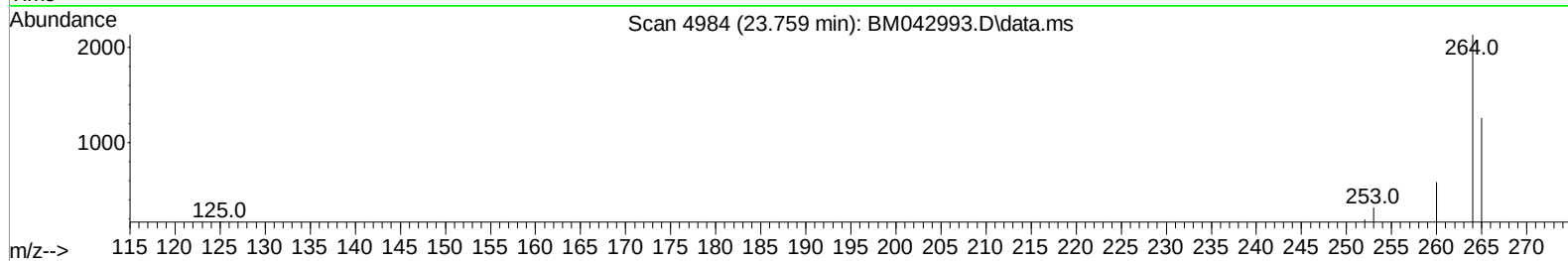
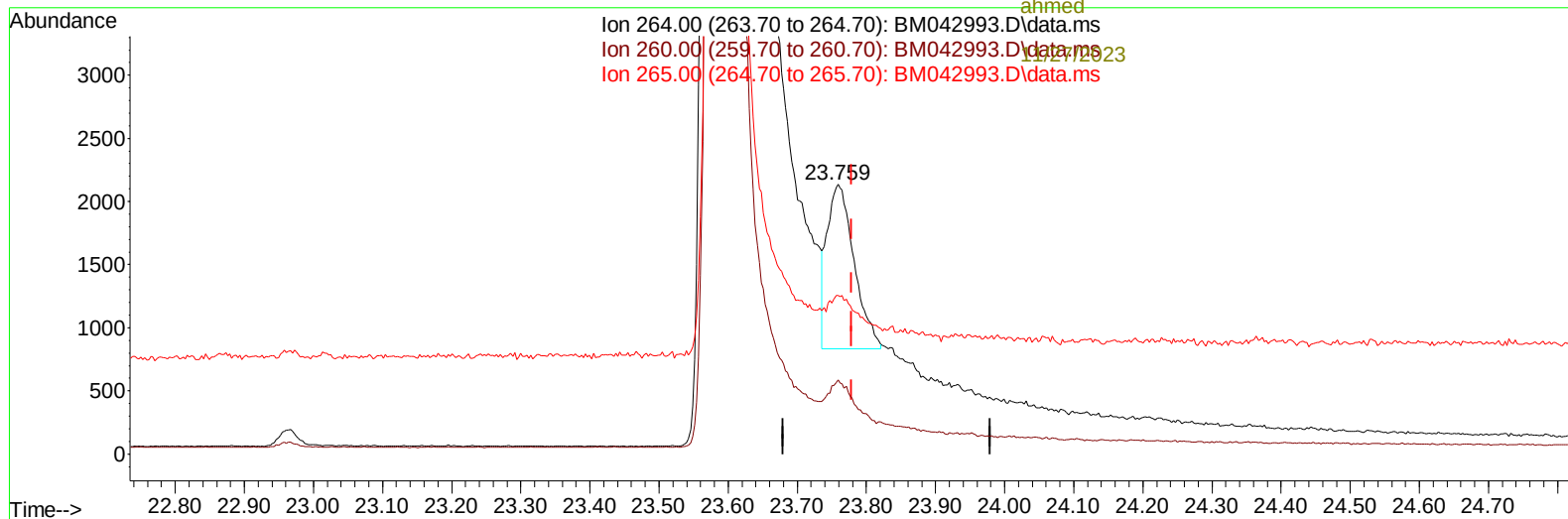
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

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11/27/2023  
 Supervised By :mohammad  
 ahmed



TIC: BM042993.D\data.ms

## (23) Perylene-d12 (I)

23.759min (-0.020) 0.40 ng/ul m

response 3524

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 33.90  | 27.41  |
| 265.00 | 120.30 | 58.90# |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 05268-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKD1

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|--------|-----|-----|----------|-------|-------|---------------|
| -----11/27/2023             |        |     |     |          |       |       |               |
| Internal Standards          |        |     |     |          |       |       |               |
| 1) 1,4-Dichlorobenzene-d4   | 7.817  | 152 |     | 927m     | 0.400 | ng/ul | -0.06         |
| 4) Naphthalene-d8           | 10.616 | 136 |     | 2835     | 0.400 | ng/ul | #-0.03        |
| 9) Acenaphthene-d10         | 14.459 | 164 |     | 1883m    | 0.400 | ng/ul | 0.00          |
| 13) Phenanthrene-d10        | 17.216 | 188 |     | 3824m    | 0.400 | ng/ul | -0.02         |
| 17) Chrysene-d12            | 21.418 | 240 |     | 2033m    | 0.400 | ng/ul | 0.00          |
| 23) Perylene-d12            | 23.759 | 264 |     | 3524m    | 0.400 | ng/ul | -0.02         |
| System Monitoring Compounds |        |     |     |          |       |       |               |
| 3) 1,4-Dioxane-d8           | 3.164  | 96  |     | 4548     | 3.198 | ng/ul | 0.00          |
| 6) 2-Methylnaphthalene-d10  | 12.233 | 152 |     | 1514     | 0.399 | ng/ul | -0.02         |
| 18) Fluoranthene-d10        | 19.247 | 212 |     | 4037     | 0.545 | ng/ul | -0.01         |
| Target Compounds            |        |     |     |          |       |       |               |
| 14) Pentachlorophenol       | 16.861 | 266 |     | 2336     | 2.257 | ng/ul | Qvalue<br>100 |
| -----                       |        |     |     |          |       |       |               |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM042993.D  
Acq On : 24 Nov 2023 23:58  
Operator : MA/JU  
Sample : 05268-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCKD1

## Manual IntegrationsAPPROVED

Quant Time: Nov 25 00:45:37 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 24 15:22:31 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/27/2023  
Supervised By :mohammad ahmed 11/28/2023

11/27/2023  
Supervised By :mohammad  
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11/27/2023

