

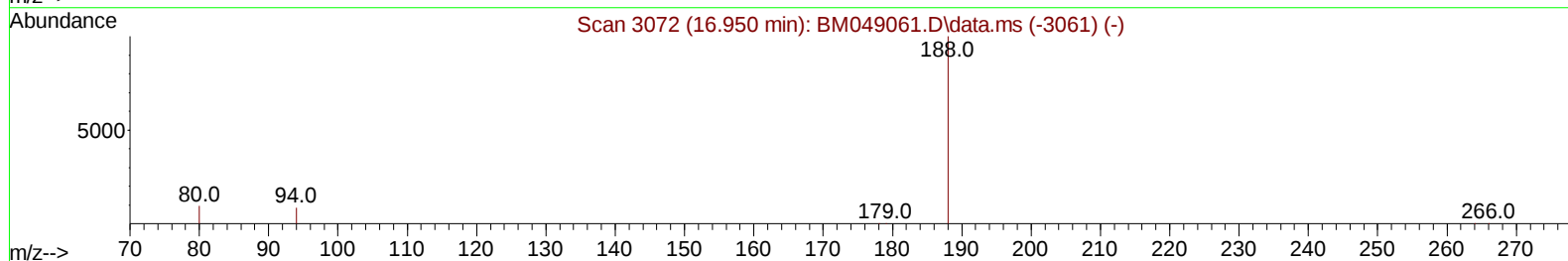
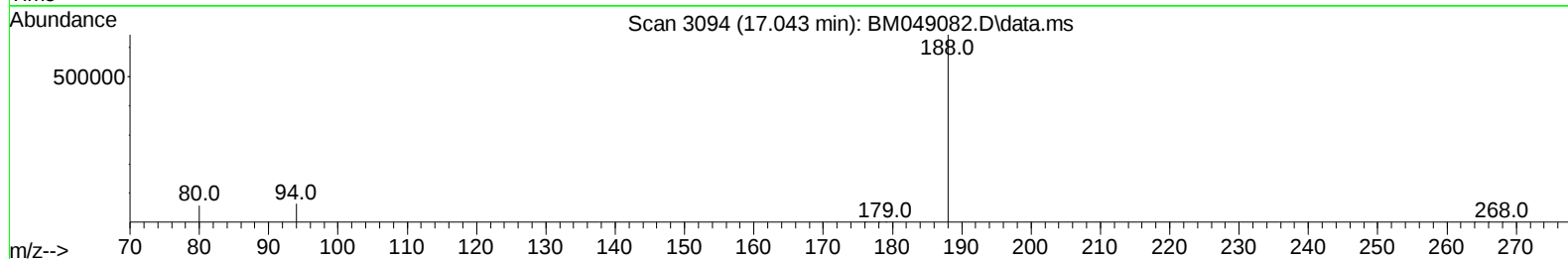
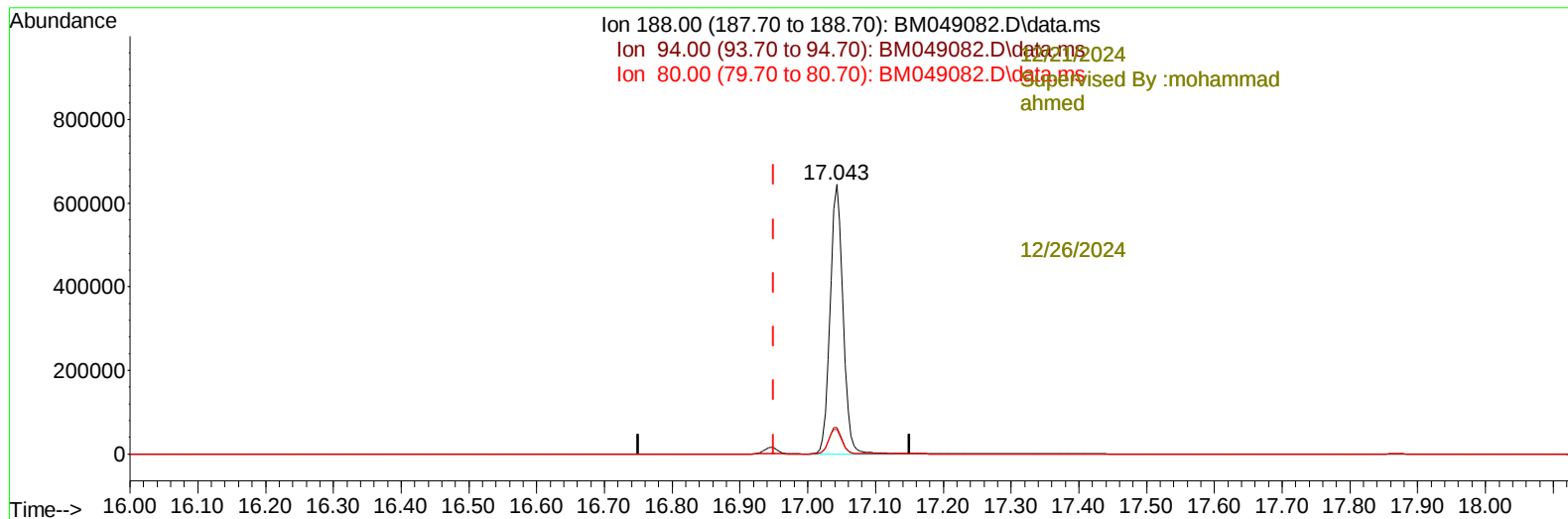
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(13) Phenanthrene-d10 (I)

17.043min (+ 0.093) 0.40 ng/u1

response 855495

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.80   | 9.84   |
| 80.00  | 10.70  | 9.00   |
| 0.00   | 0.00   | 0.00   |

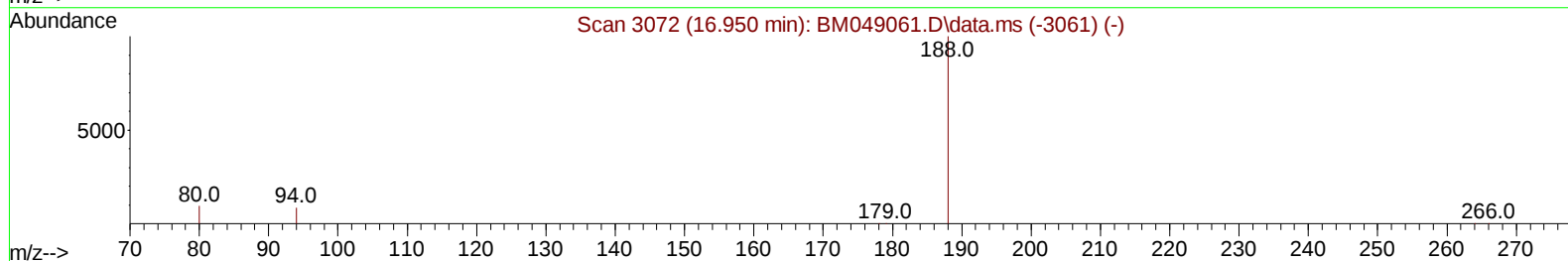
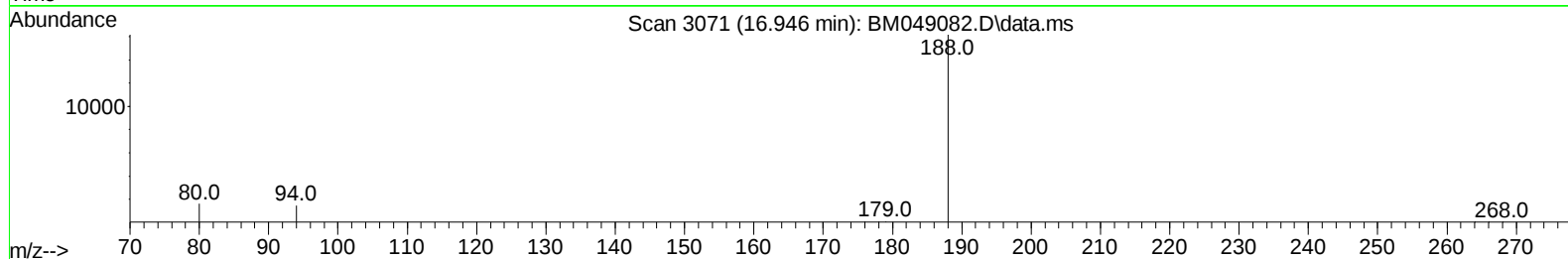
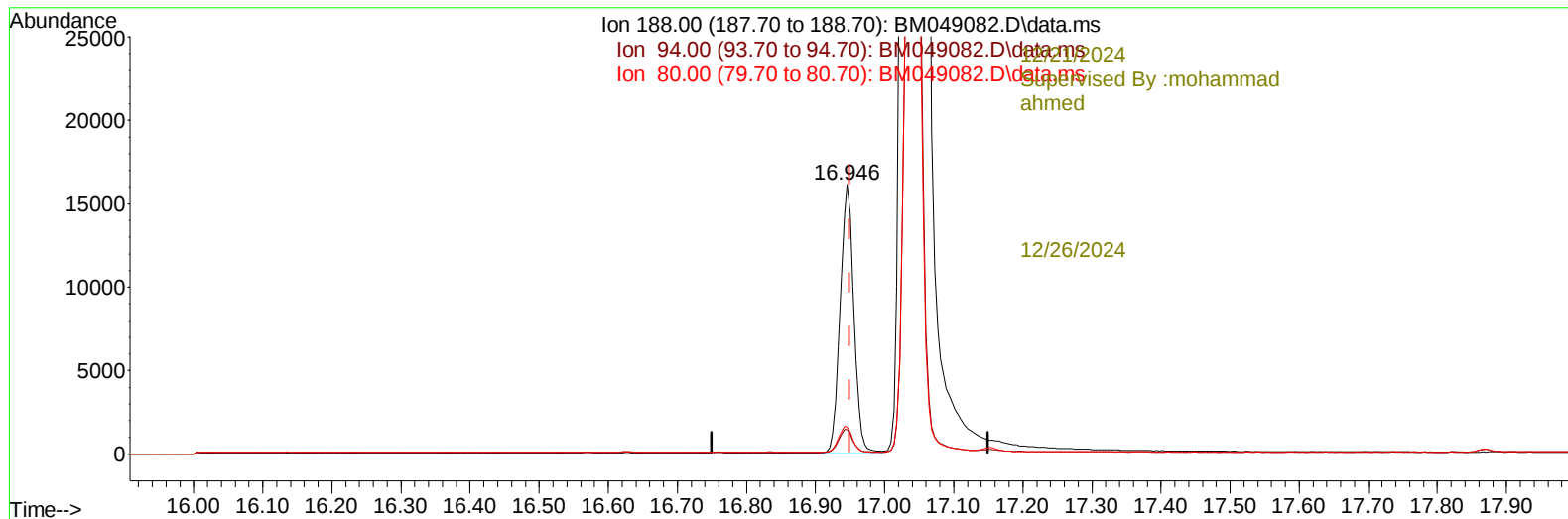
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

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

**16.946min (-0.004) 0.40 ng/ul m**

**response 22224**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.80   | 9.17   |
| 80.00  | 10.70  | 10.11  |
| 0.00   | 0.00   | 0.00   |

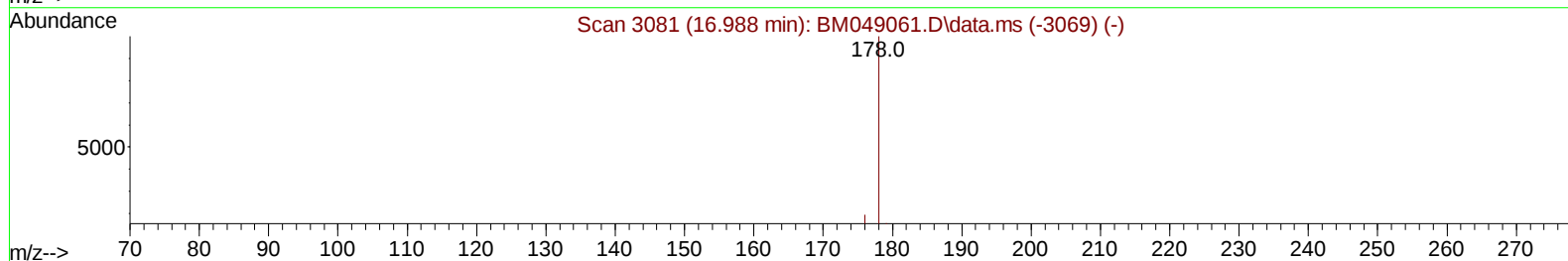
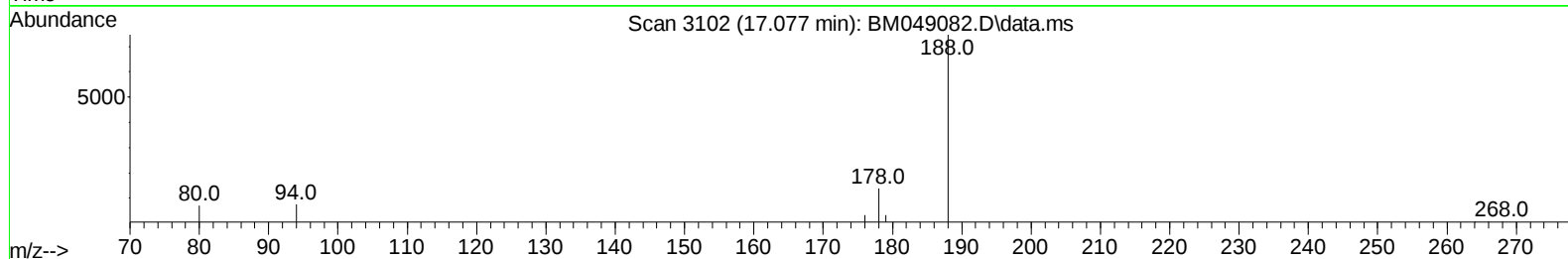
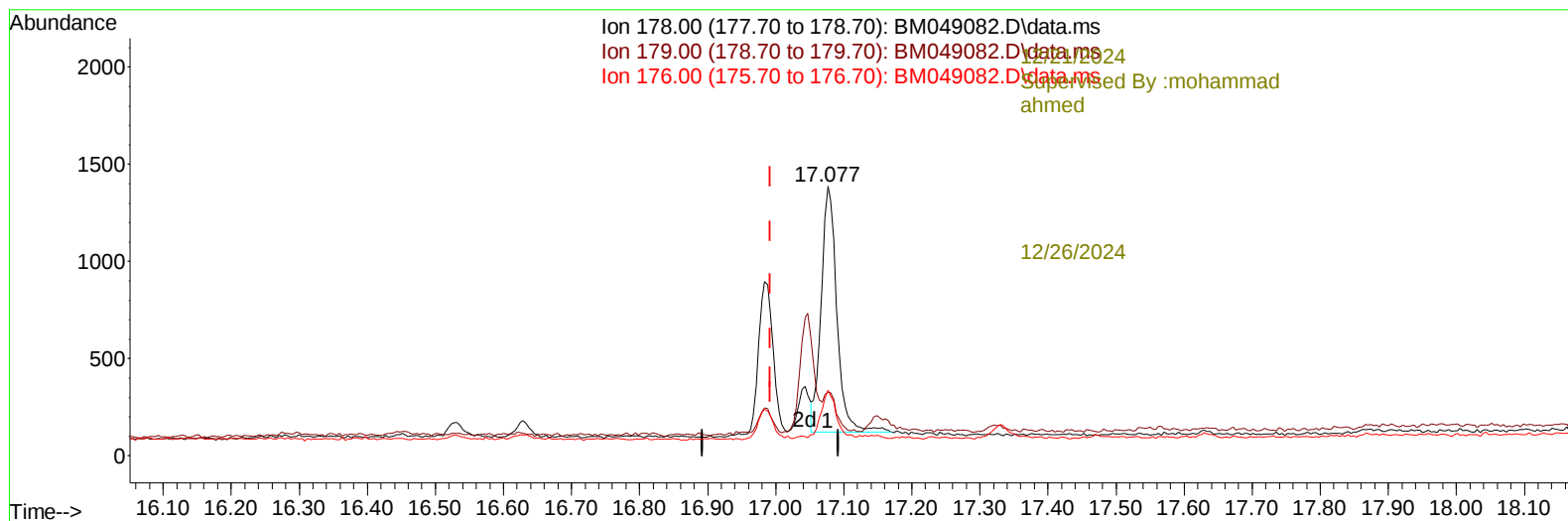
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(15) Phenanthrene

17.077min (+ 0.085) 0.04 ng/u1

response 2050

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 16.20  | 23.59# |
| 176.00 | 20.20  | 24.39# |
| 0.00   | 0.00   | 0.00   |

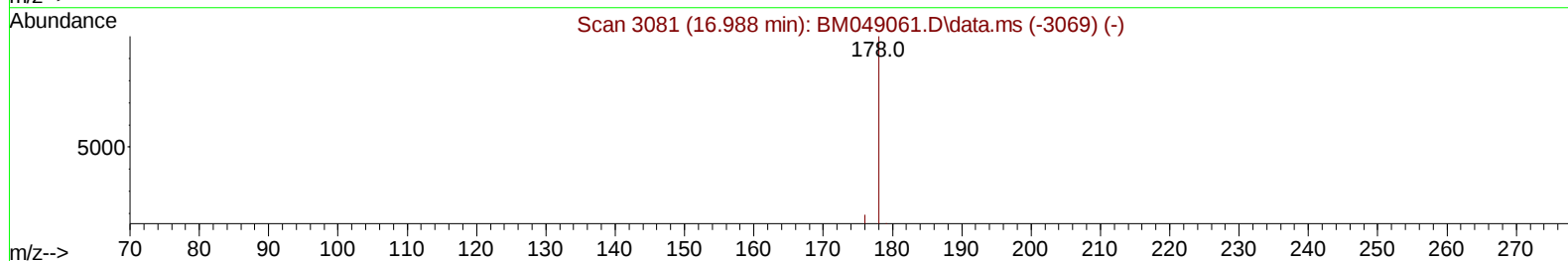
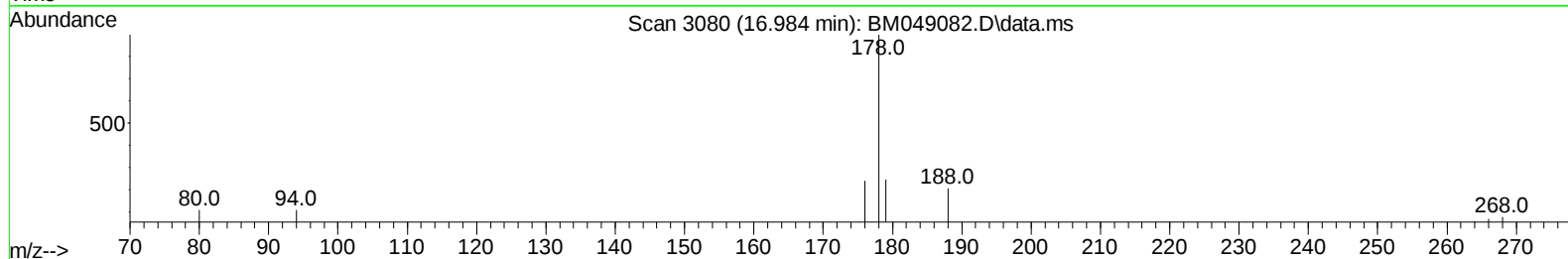
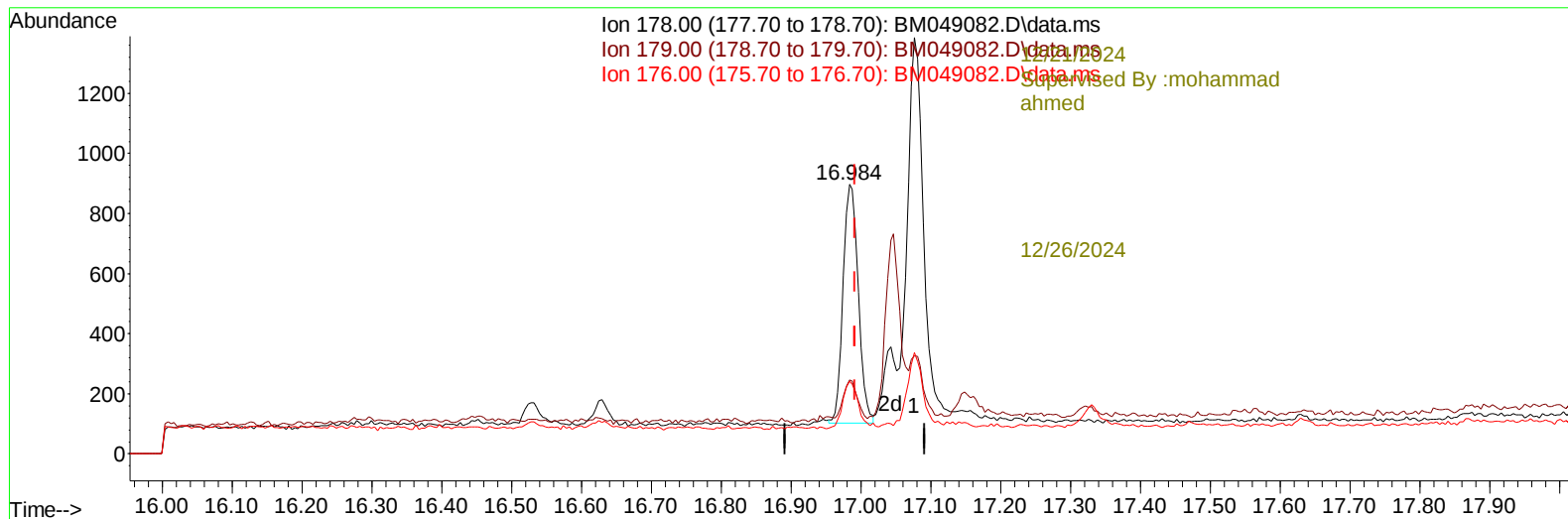
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(15) Phenanthrene

16.984min (-0.008) 0.02 ng/u1 m

response 1200

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 16.20  | 27.54# |
| 176.00 | 20.20  | 26.87# |
| 0.00   | 0.00   | 0.00   |

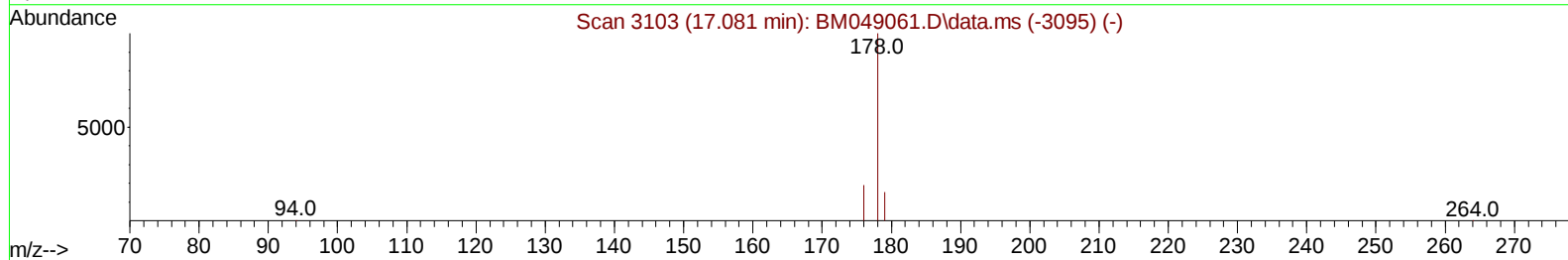
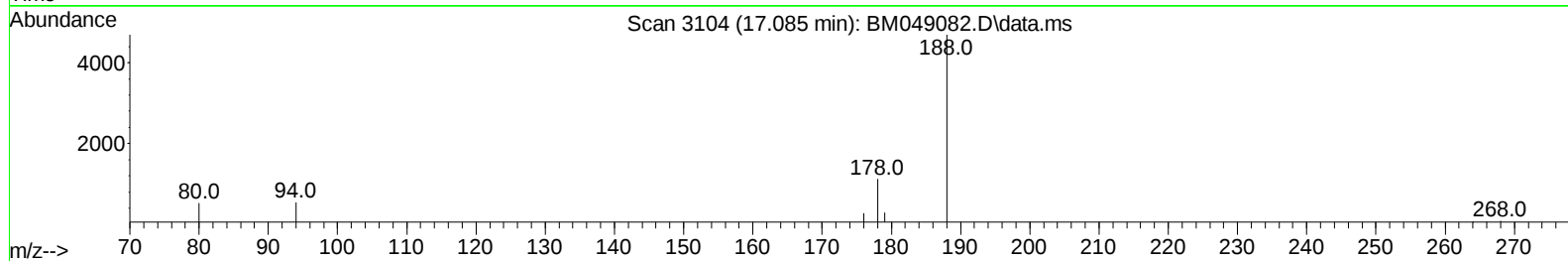
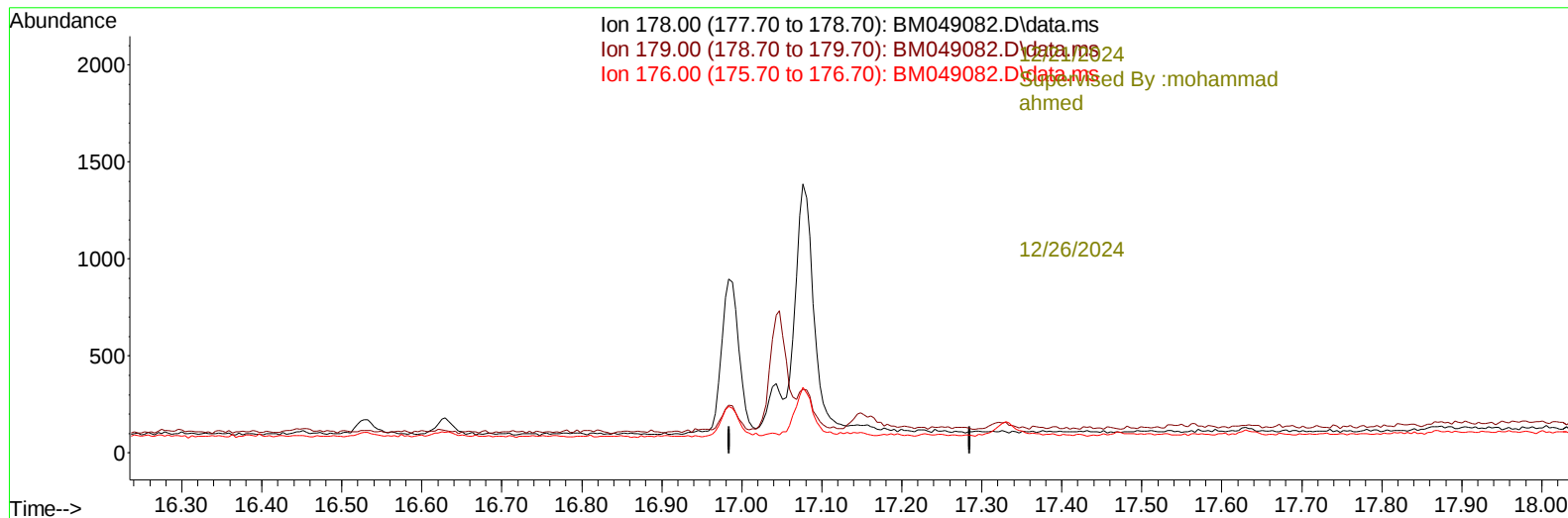
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(16) Anthracene

17.085min (-17.085) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 178.00 | 100.00 | 0.00  |
| 179.00 | 16.10  | 0.00# |
| 176.00 | 19.10  | 0.00# |
| 0.00   | 0.00   | 0.00  |

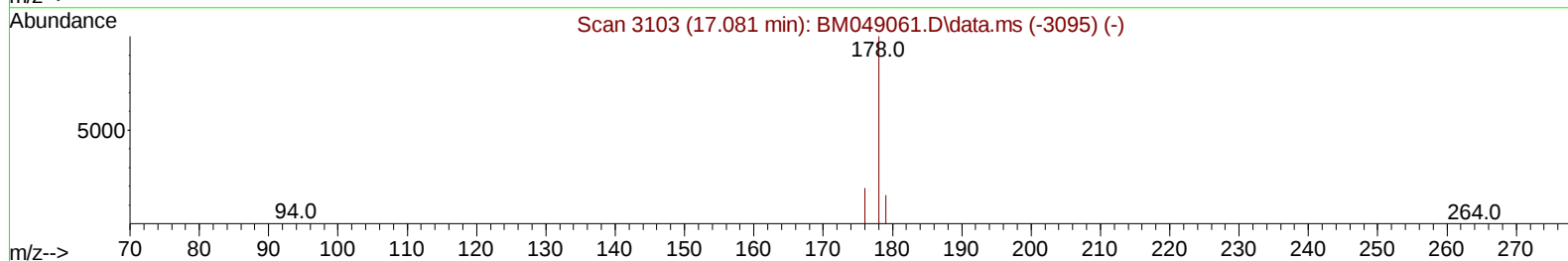
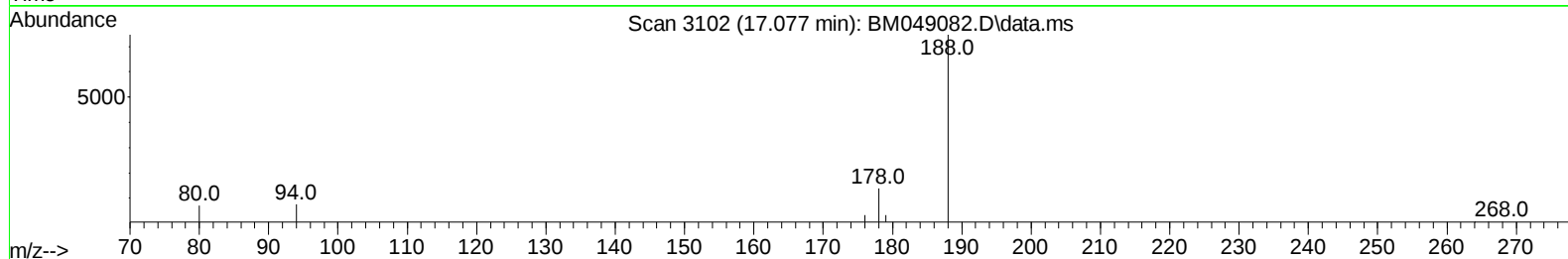
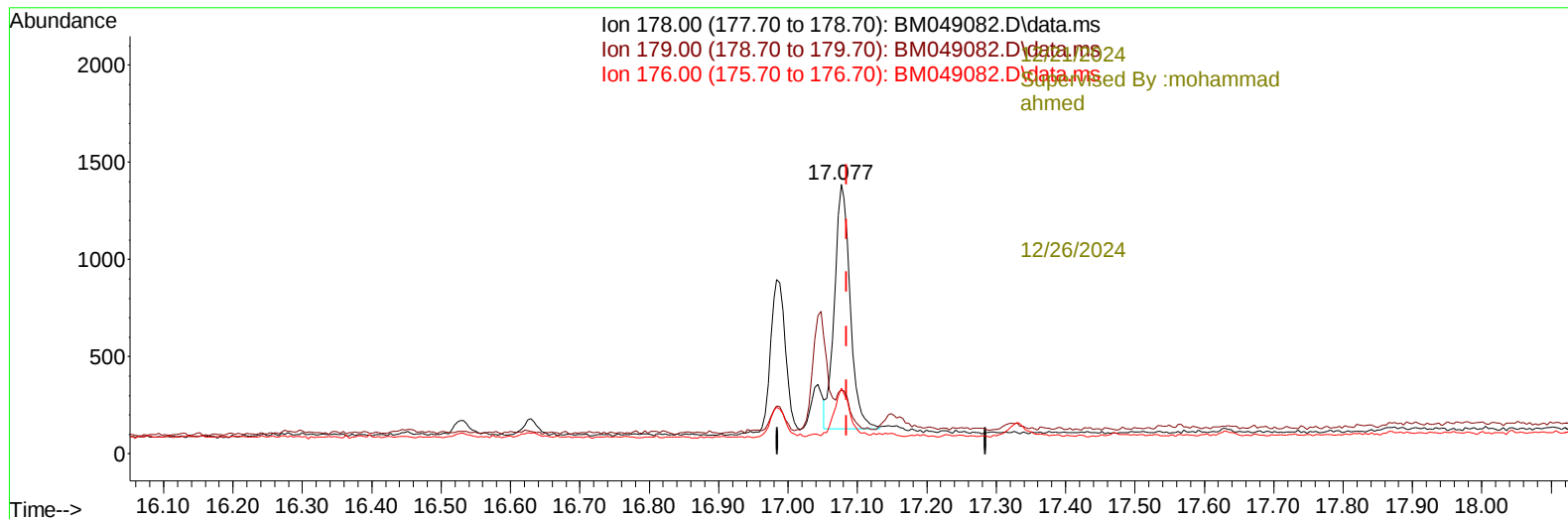
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(16) Anthracene

17.077min (-0.008) 0.04 ng/ul m

response 1967

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 16.10  | 23.59# |
| 176.00 | 19.10  | 24.39# |
| 0.00   | 0.00   | 0.00   |

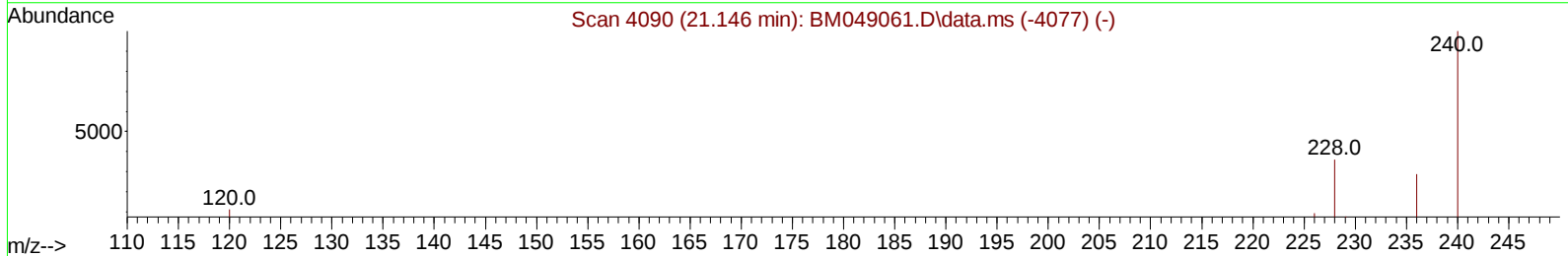
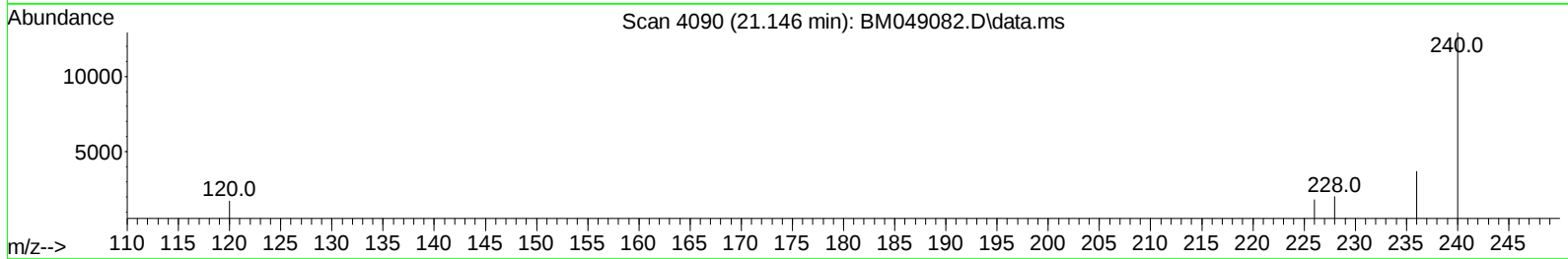
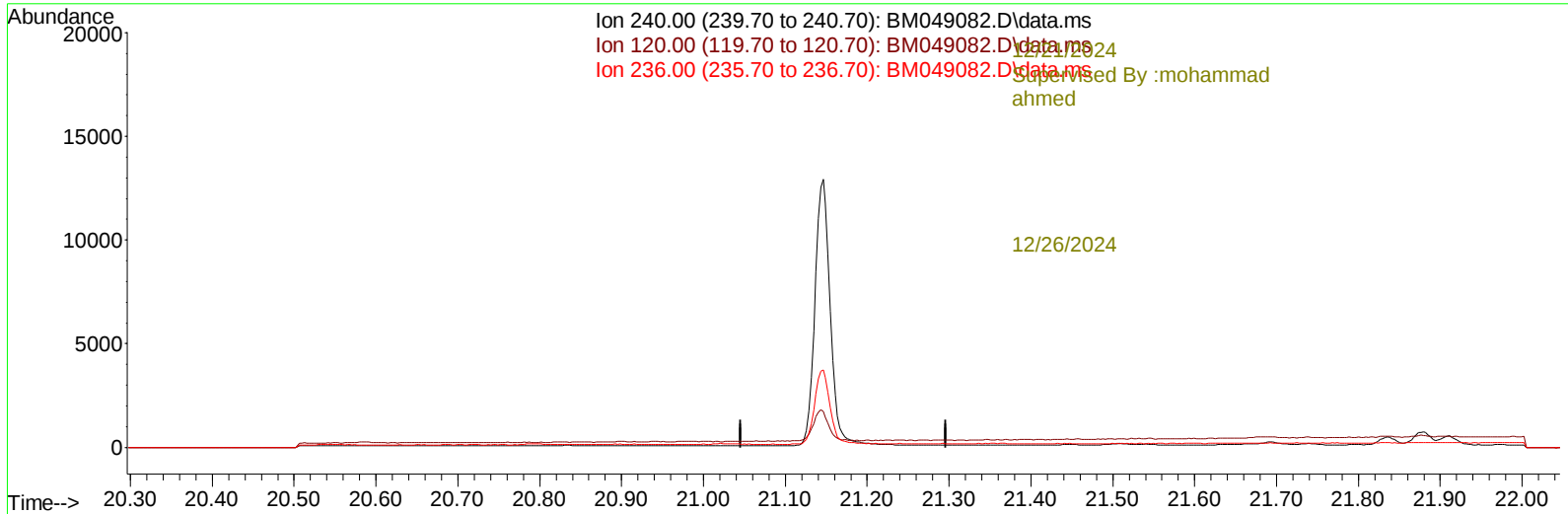
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 14.50  | 0.00# |
| 236.00 | 29.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

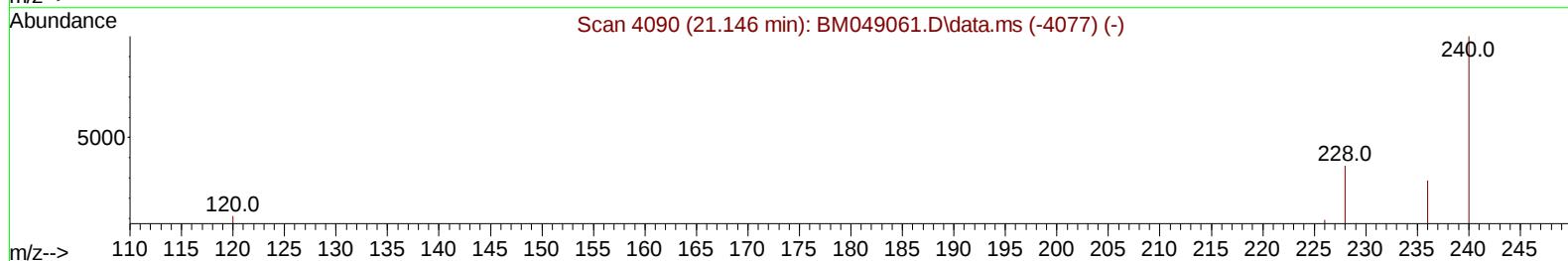
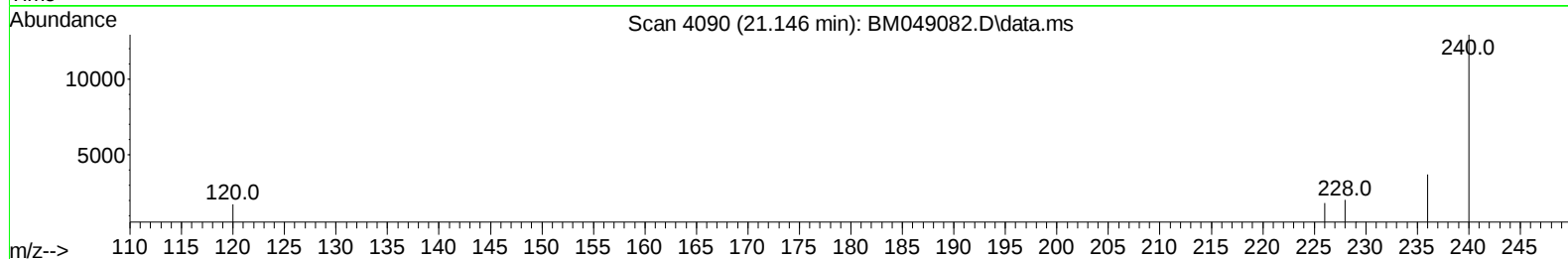
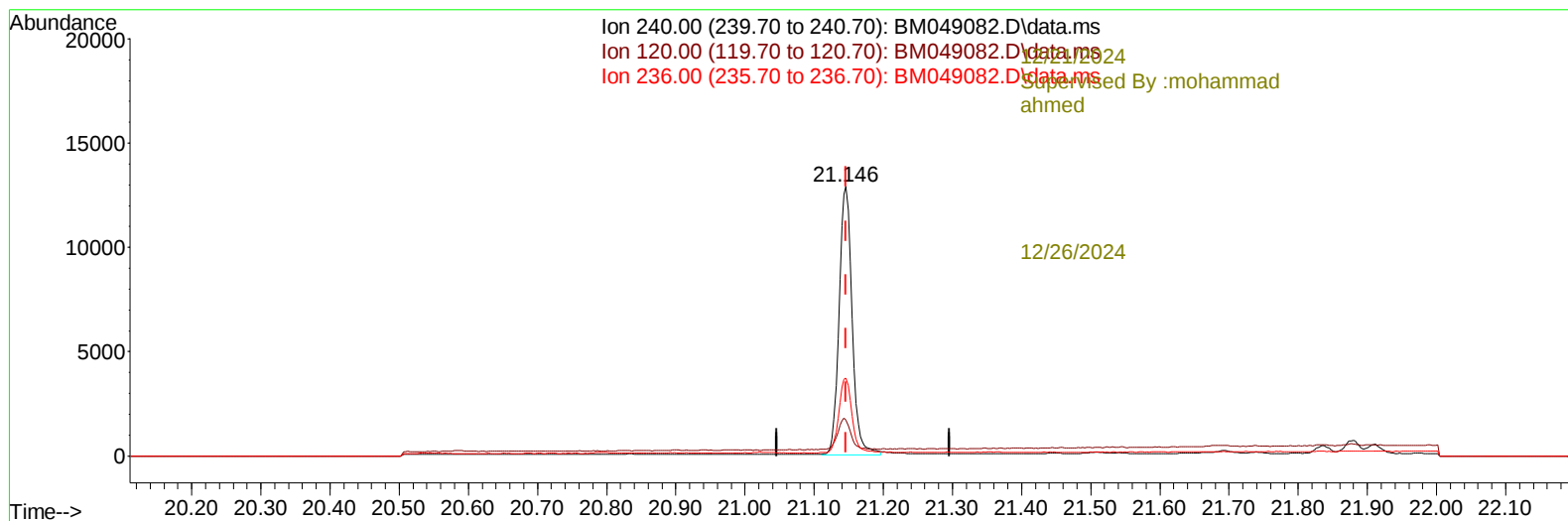
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(17) Chrysene-d12

21.146min (+ 0.000) 0.40 ng/ul m

response 16819

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 14.50  | 13.30  |
| 236.00 | 29.80  | 28.80  |
| 0.00   | 0.00   | 0.00   |

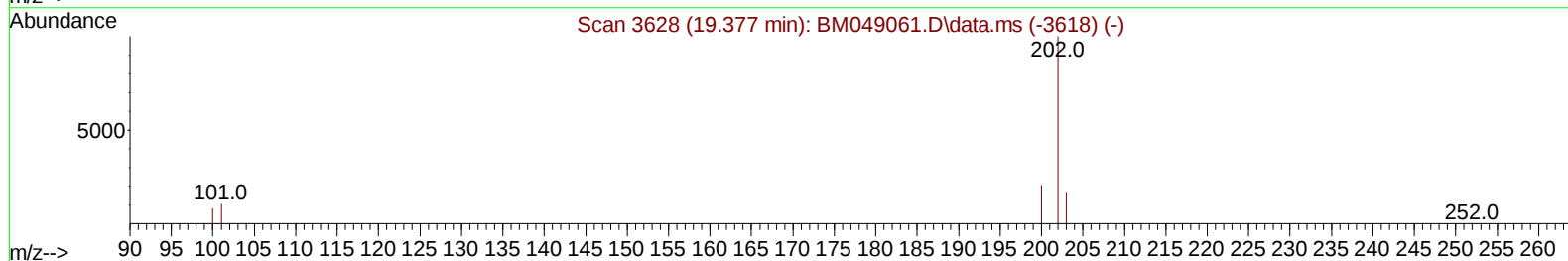
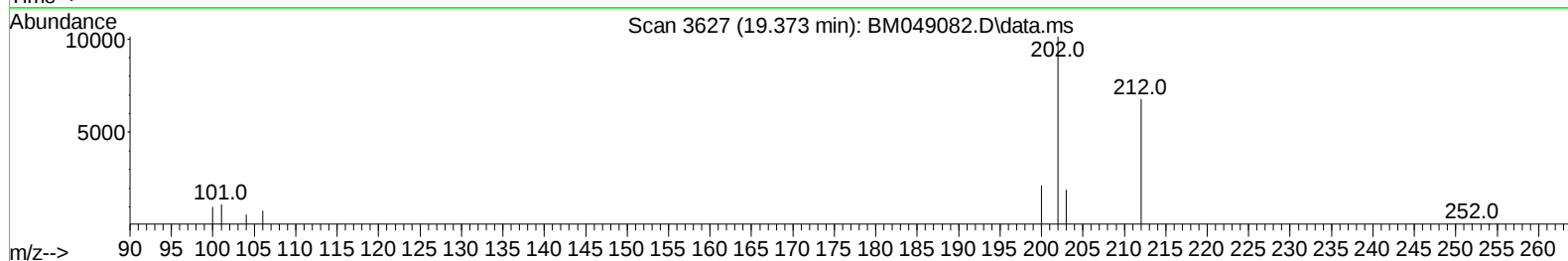
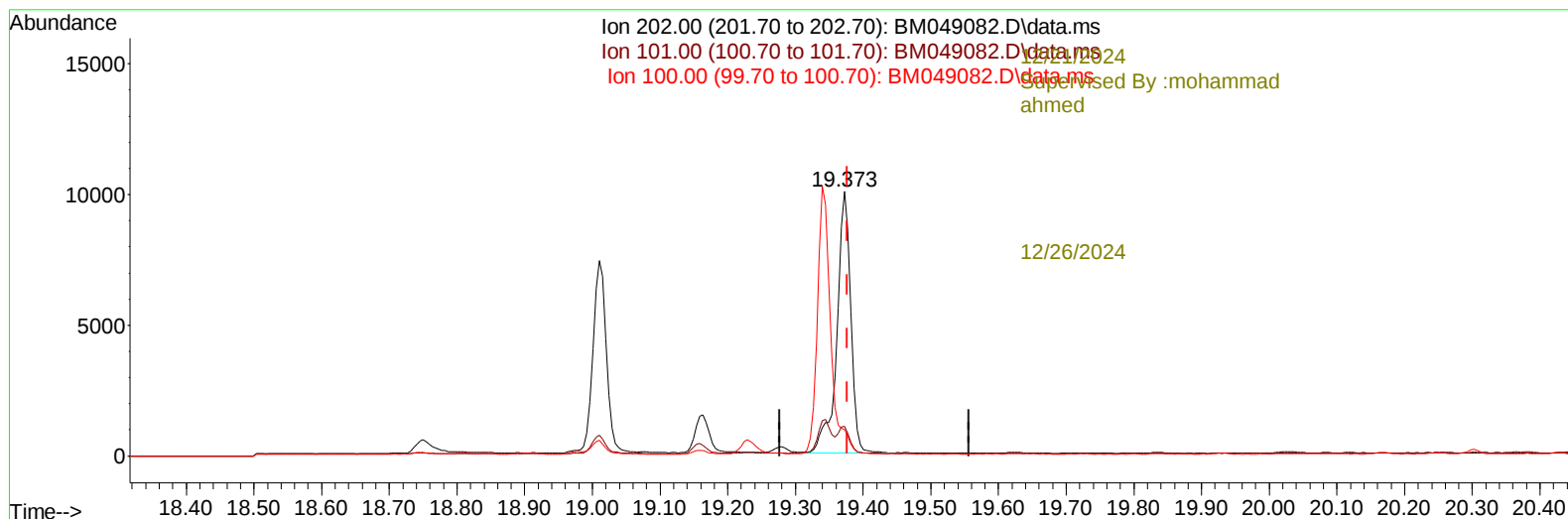
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(20) Pyrene

19.373min (-0.005) 0.22 ng/u1

response 14154

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.10  | 11.18  |
| 100.00 | 8.60   | 9.91   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

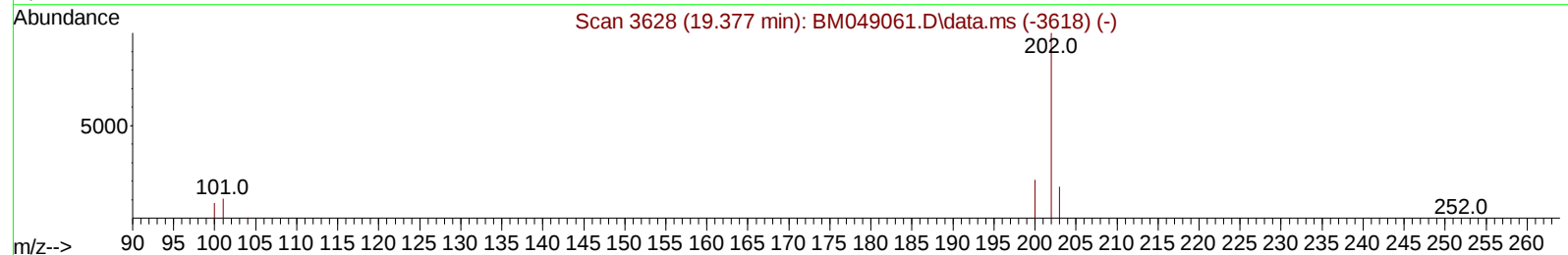
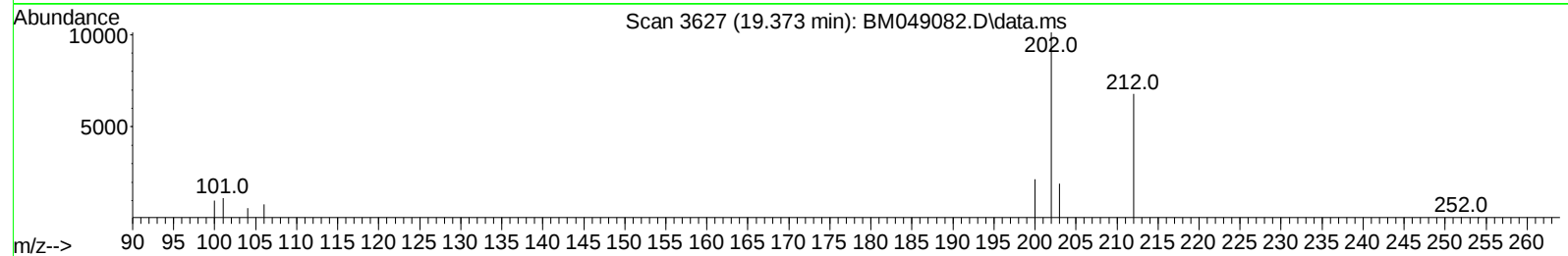
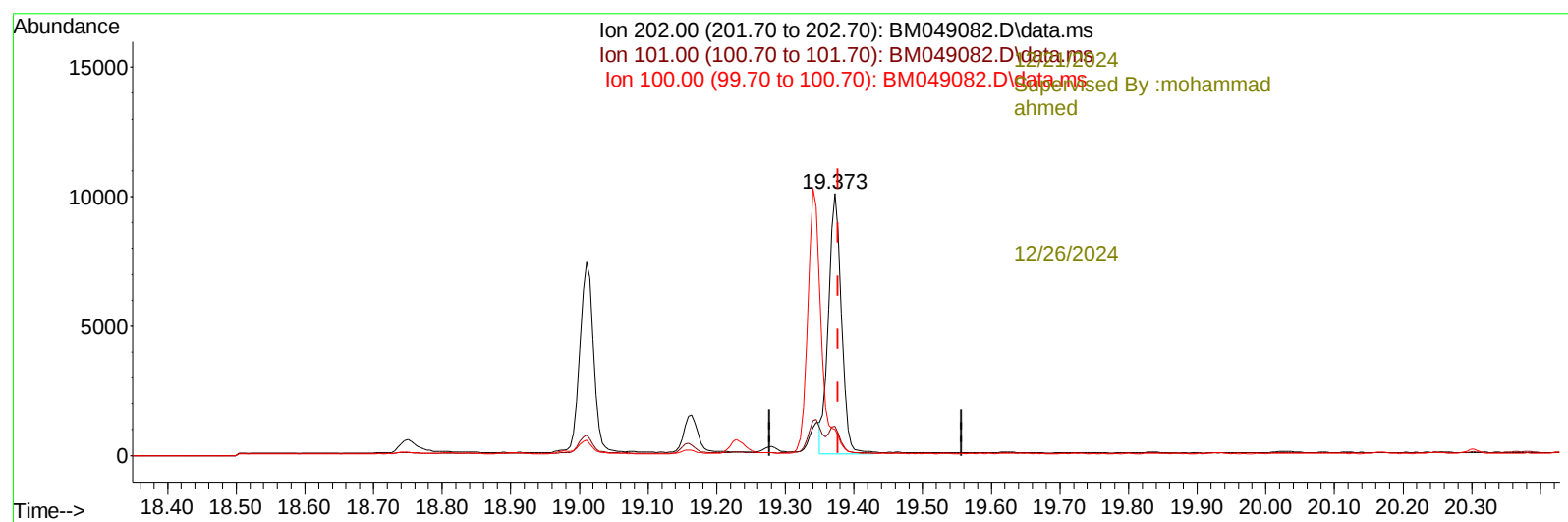
Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel

Supervised By :mohammad  
ahmed

12/26/2024



TIC: BM049082.D\data.ms

(20) Pyrene

19.373min (-0.005) 0.20 ng/ul m

response 13222

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.10  | 11.18  |
| 100.00 | 8.60   | 9.91   |
| 0.00   | 0.00   | 0.00   |

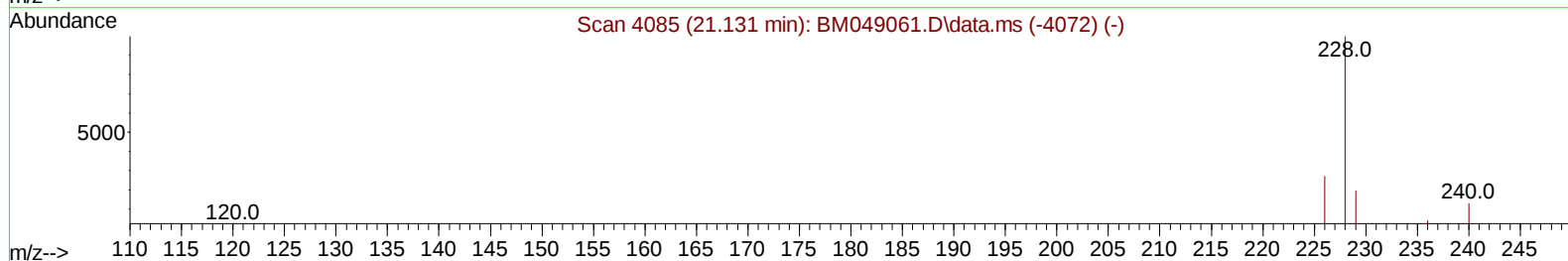
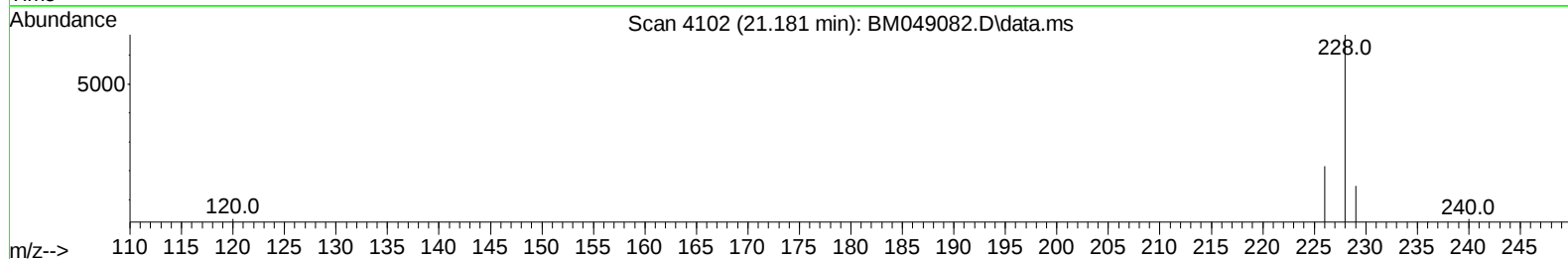
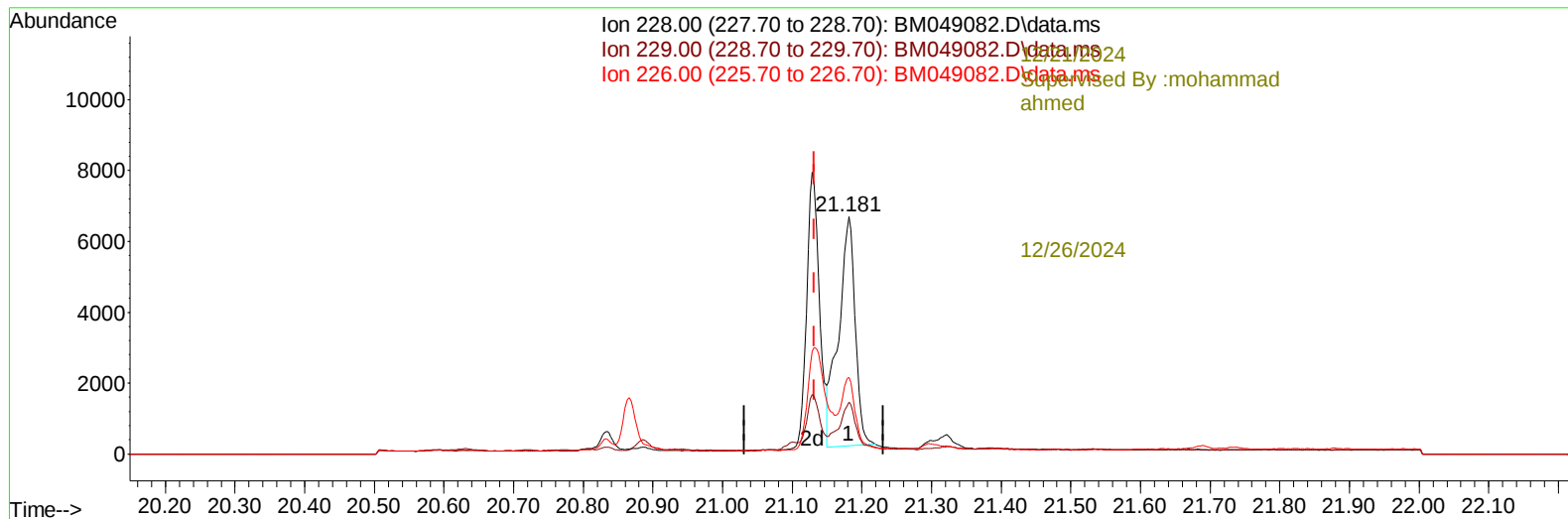
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(21) Benzo(a)anthracene

21.181min (+ 0.050) 0.18 ng/u1

response 10806

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.90  | 21.95  |
| 226.00 | 28.30  | 32.14  |
| 0.00   | 0.00   | 0.00   |

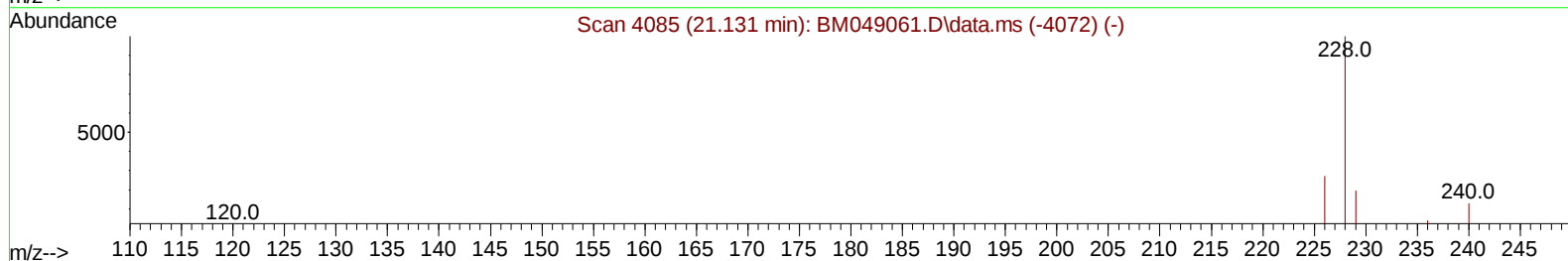
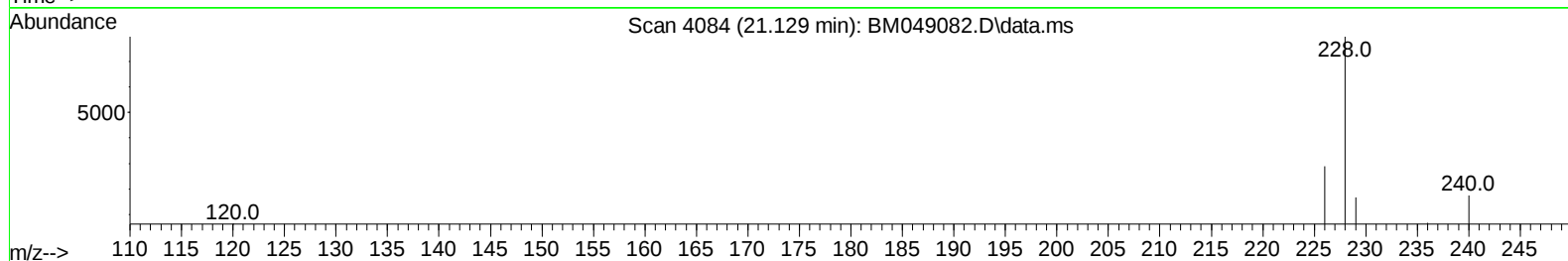
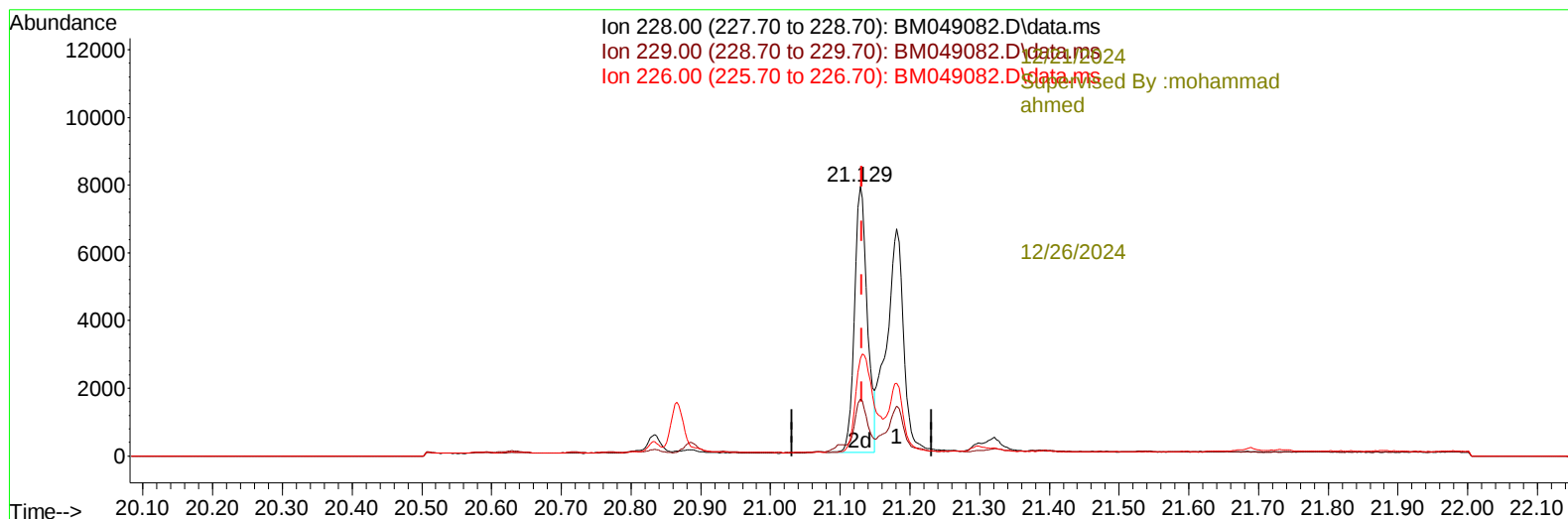
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(21) Benzo(a)anthracene

21.129min (-0.003) 0.17 ng/ul m

response 10116

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.90  | 21.18  |
| 226.00 | 28.30  | 36.32# |
| 0.00   | 0.00   | 0.00   |

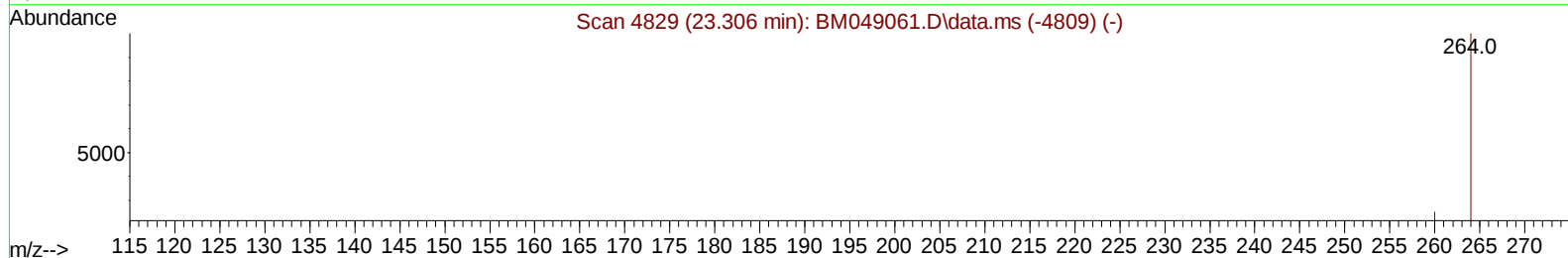
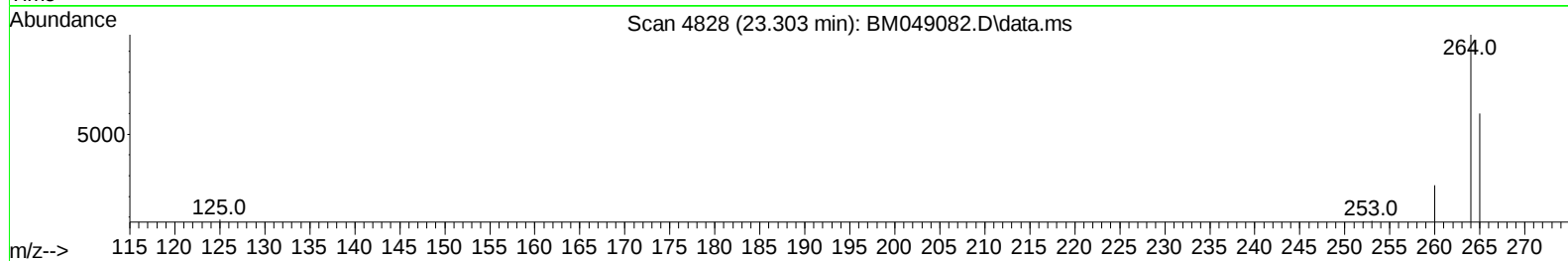
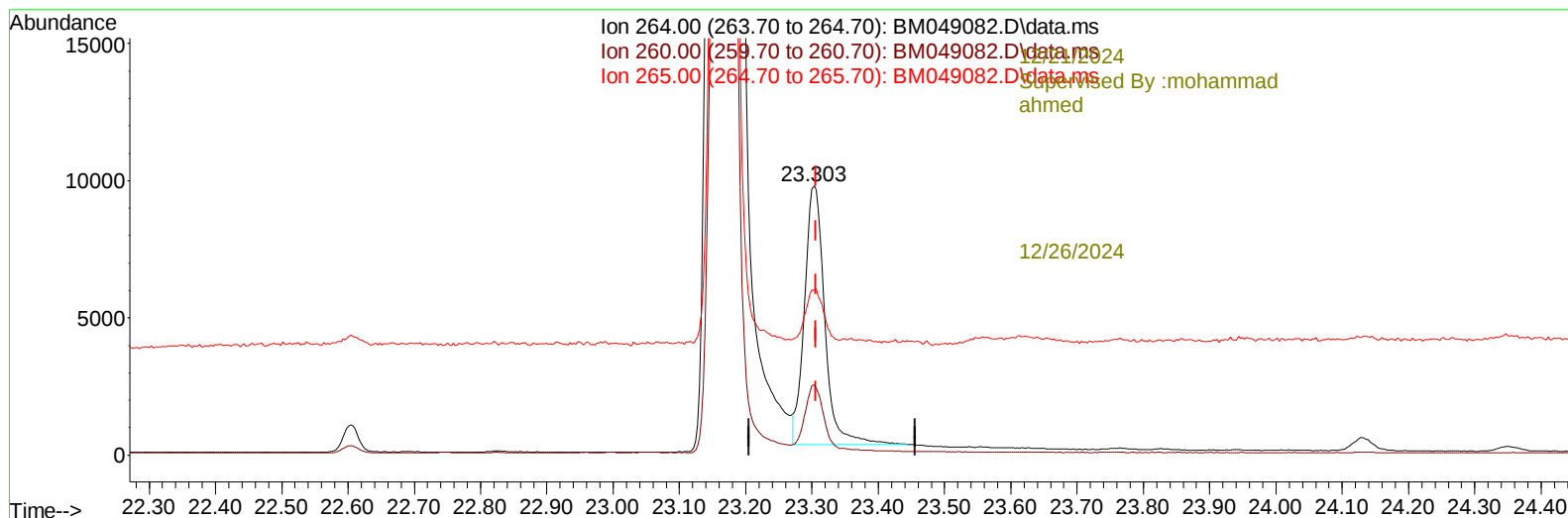
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/u1

response 19805

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.80  | 26.00  |
| 265.00 | 78.30  | 61.30# |
| 0.00   | 0.00   | 0.00   |

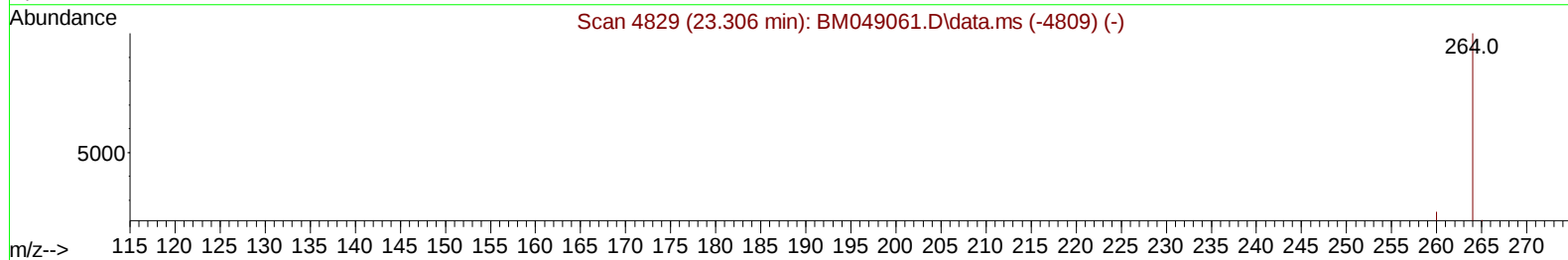
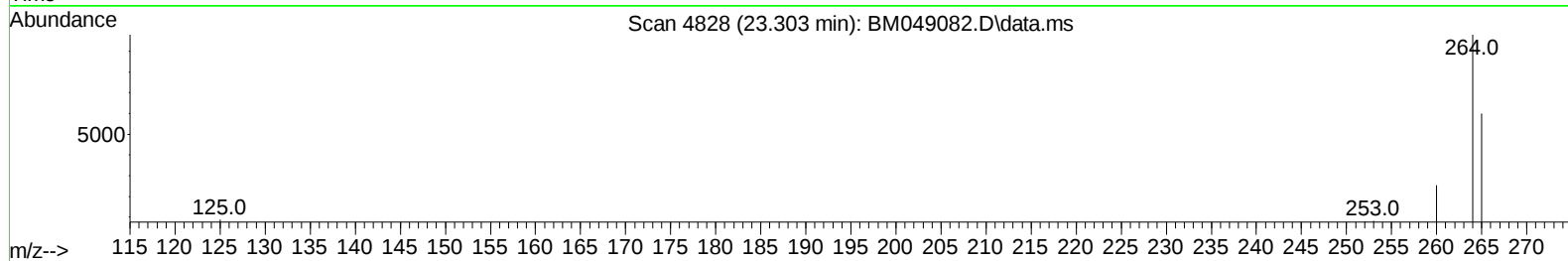
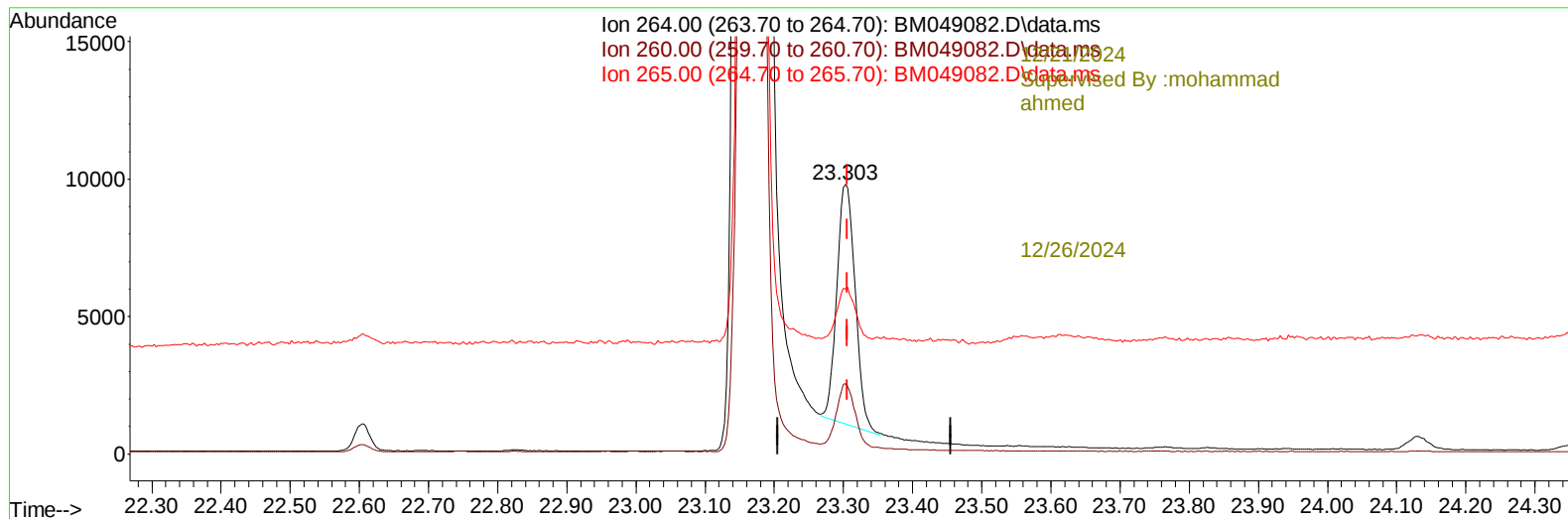
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/ul m

response 16040

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.80  | 26.00  |
| 265.00 | 78.30  | 61.30# |
| 0.00   | 0.00   | 0.00   |

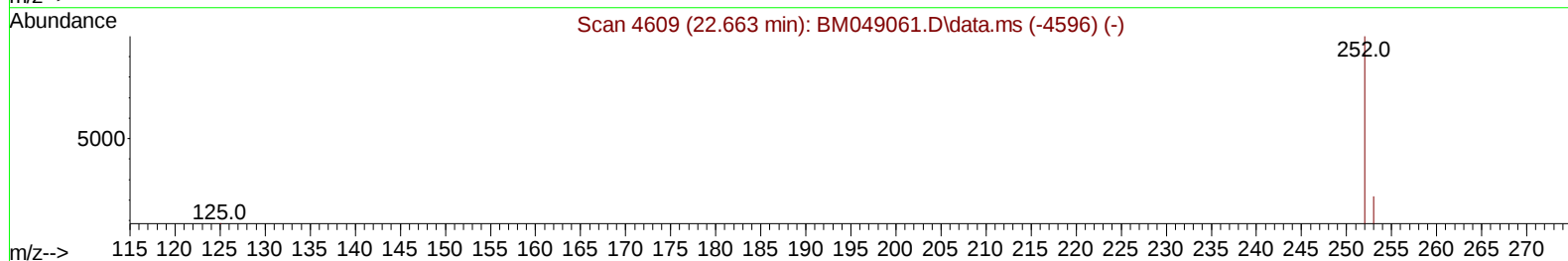
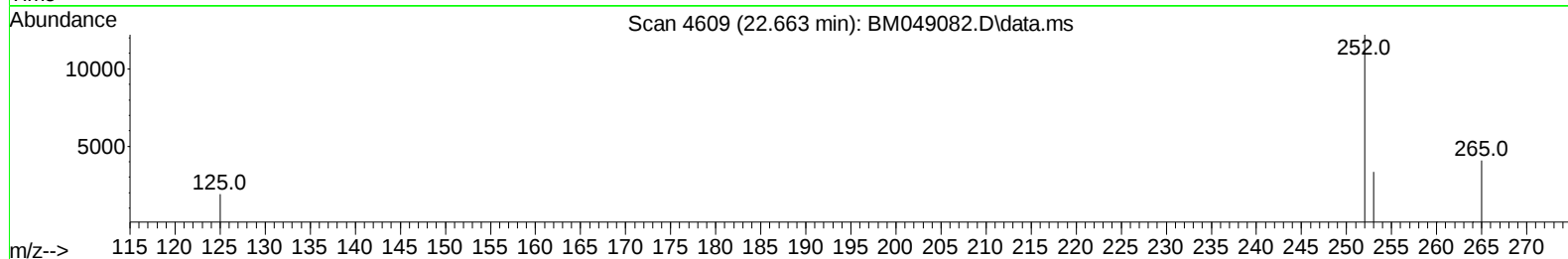
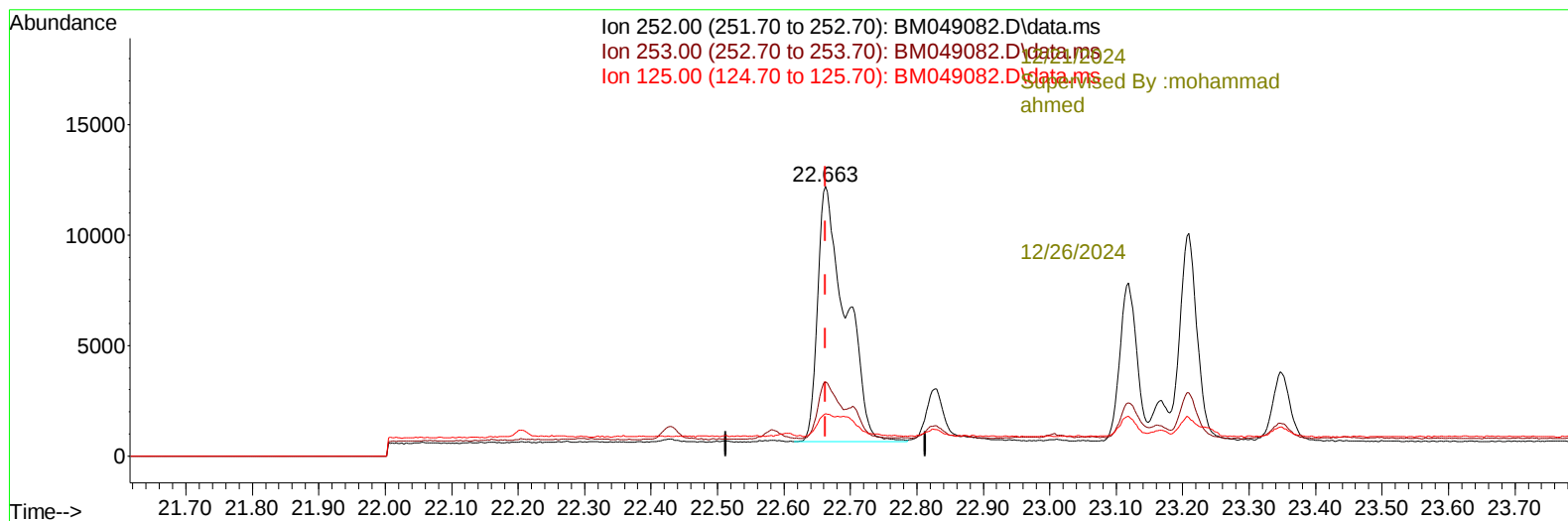
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(24) Benzo(b)fluoranthene

22.663min (+ 0.000) 0.66 ng/u1

response 33896

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.30  | 27.38  |
| 125.00 | 15.40  | 15.72  |
| 0.00   | 0.00   | 0.00   |

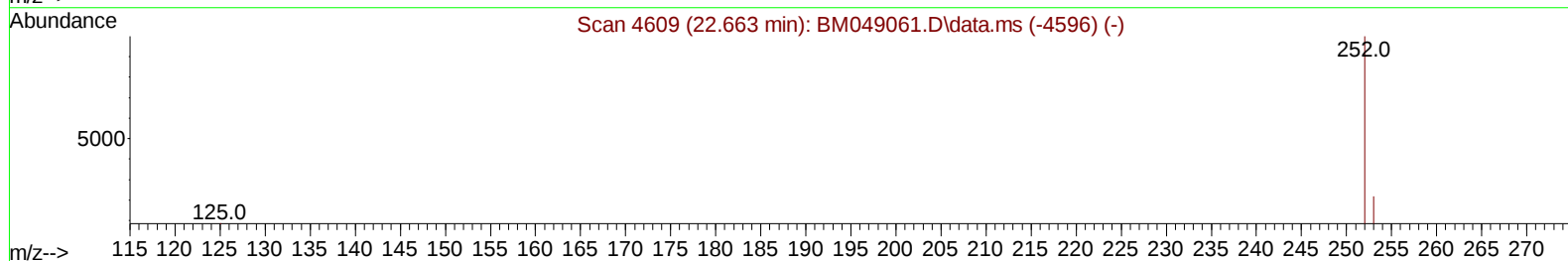
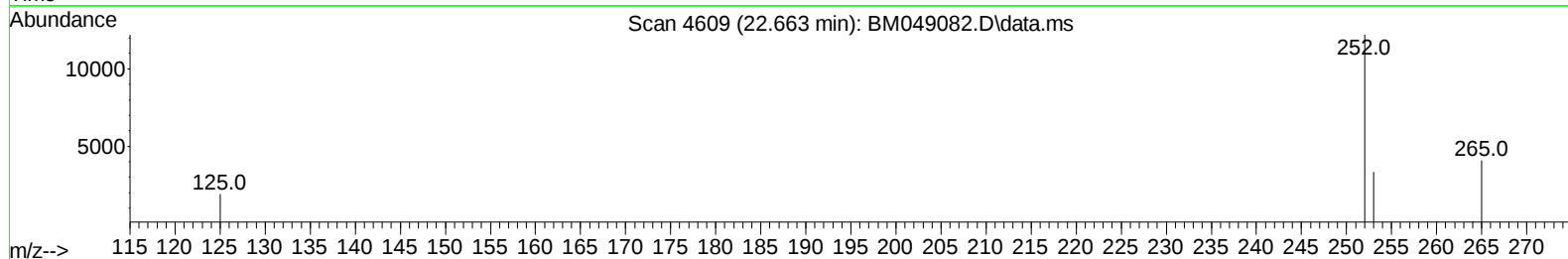
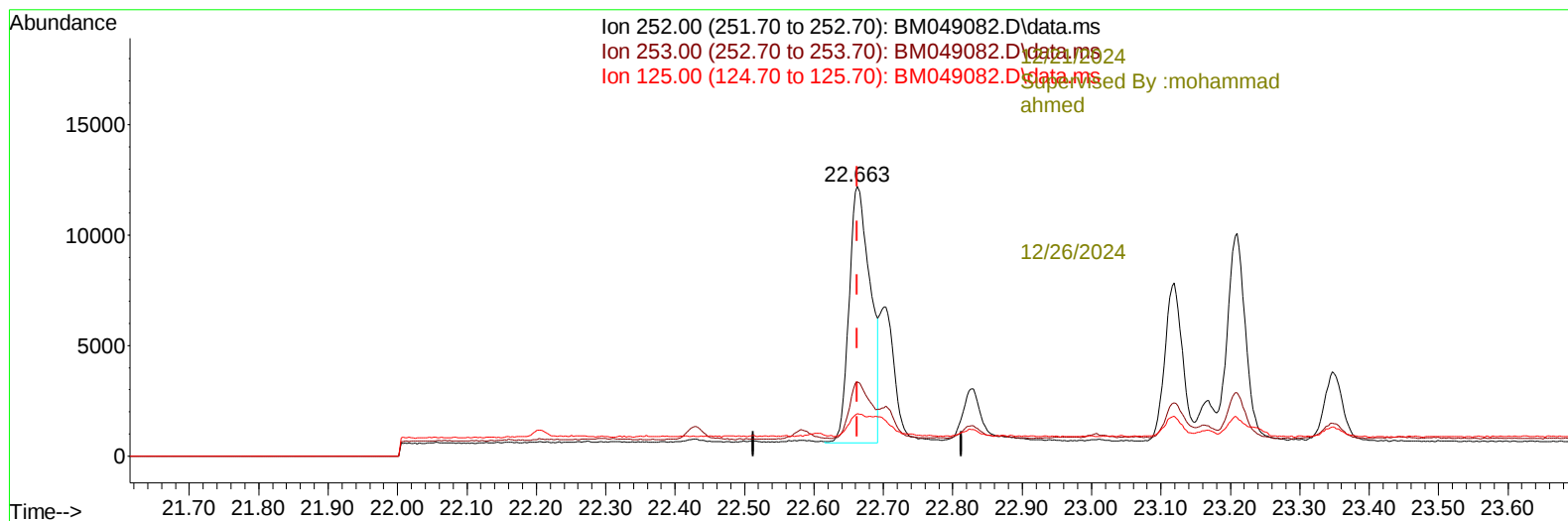
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(24) Benzo(b)fluoranthene

22.663min (+ 0.000) 0.48 ng/u1 m

response 24784

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.30  | 27.38  |
| 125.00 | 15.40  | 15.72  |
| 0.00   | 0.00   | 0.00   |

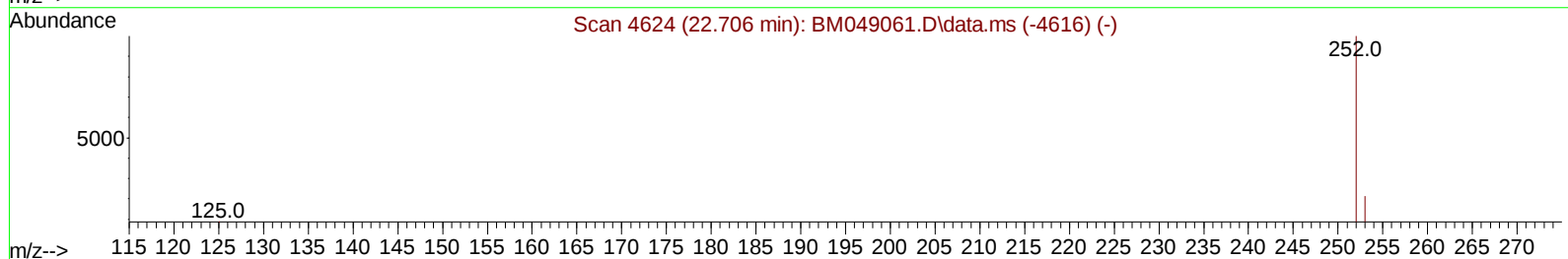
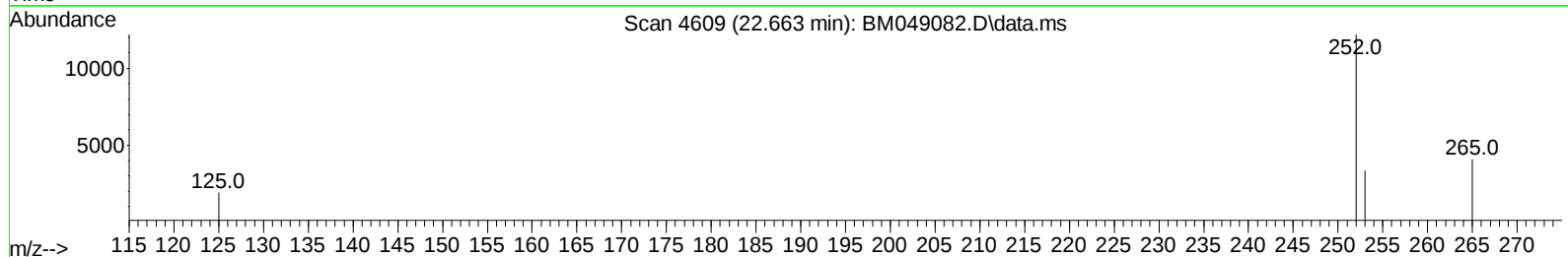
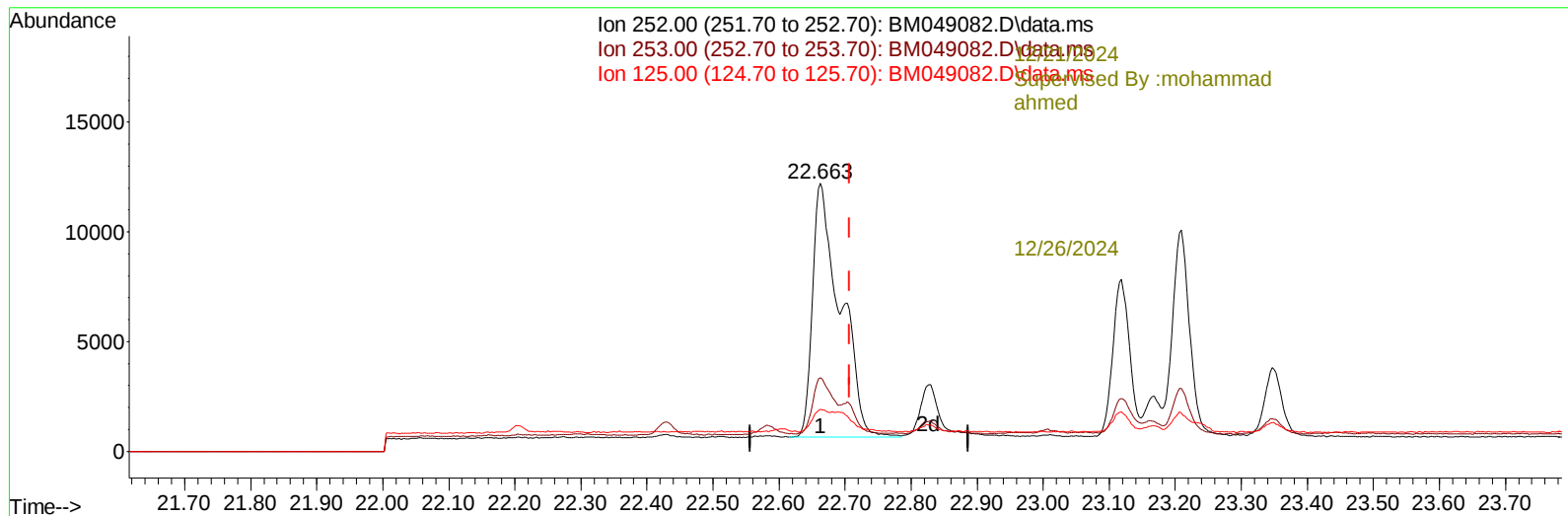
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(25) Benzo(k)fluoranthene

22.663min (-0.044) 0.60 ng/u1

response 33896

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.60  | 27.38  |
| 125.00 | 15.70  | 15.72  |
| 0.00   | 0.00   | 0.00   |

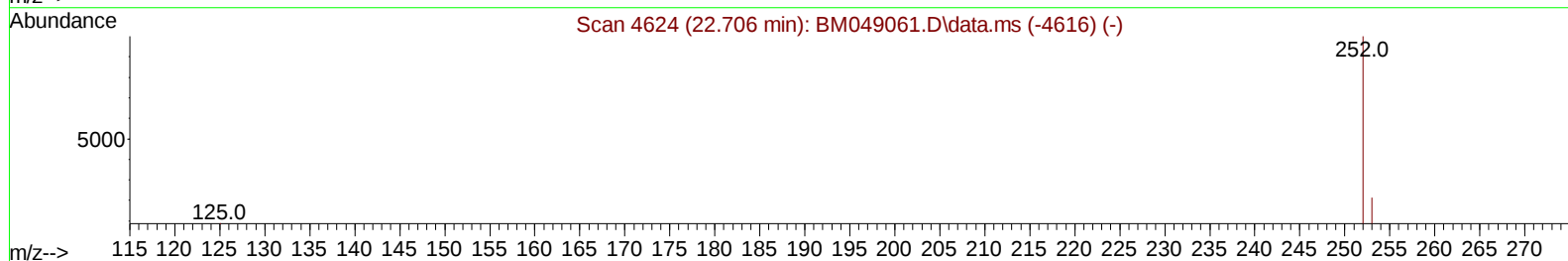
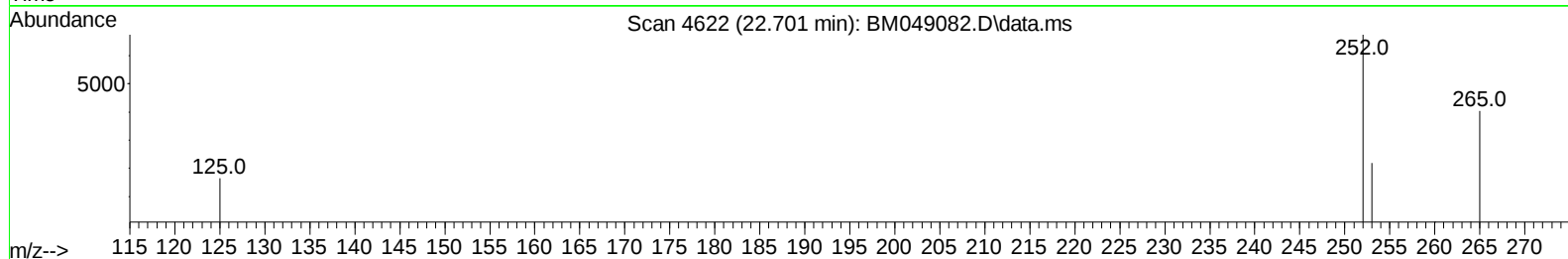
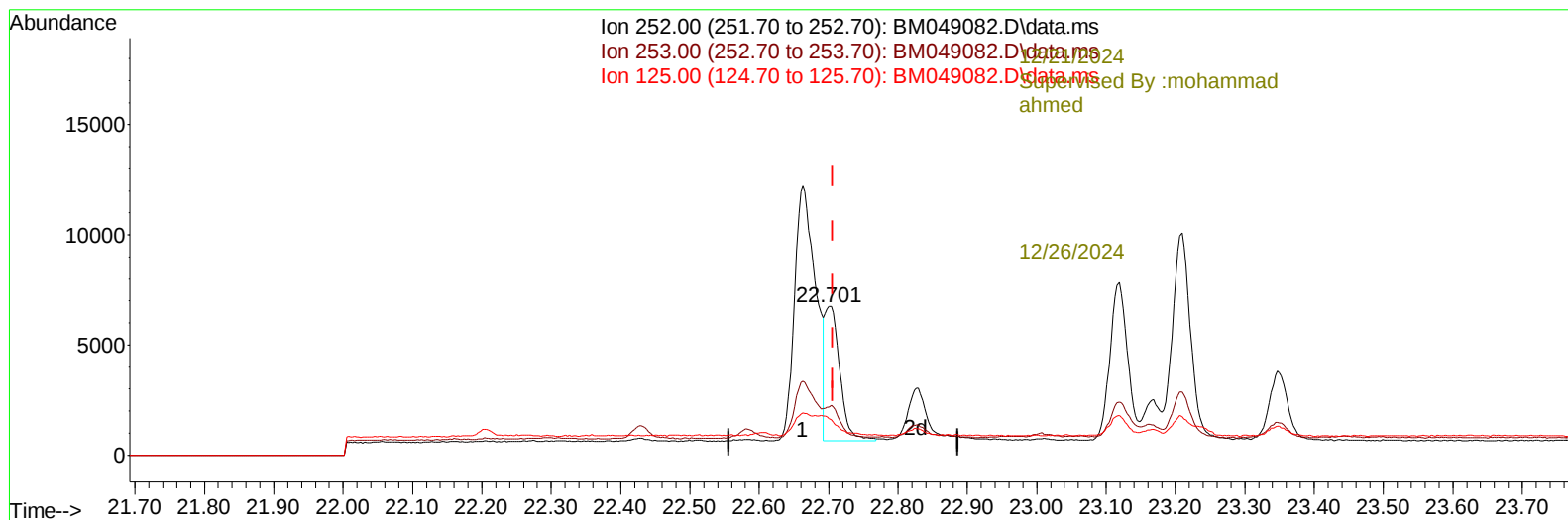
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh  
Patel



TIC: BM049082.D\data.ms

(25) Benzo(k)fluoranthene

22.701min (-0.006) 0.16 ng/u1 m

response 9196

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.60  | 32.40# |
| 125.00 | 15.70  | 24.50# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
 Data File : BM049082.D  
 Acq On : 19 Dec 2024 22:41  
 Operator : RC/JU  
 Sample : P5226-09  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 18 15:33:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh  
 Patel

| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |                             |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|-----------------------------|
| -----12/21/2024             |        |     |     |          |       |        |          |                             |
| Internal Standards          |        |     |     |          |       |        |          | Supervised By :mohammad ali |
| 1) 1,4-Dichlorobenzene-d4   | 7.560  | 152 |     | 6522     | 0.400 | ng/ul  | 0.00     |                             |
| 4) Naphthalene-d8           | 10.325 | 136 |     | 19461    | 0.400 | ng/ul  | 0.00     |                             |
| 9) Acenaphthene-d10         | 14.195 | 164 |     | 10440    | 0.400 | ng/ul  | 0.00     |                             |
| 13) Phenanthrene-d10        | 16.946 | 188 |     | 22224m   | 0.400 | ng/ul  | 0.00     |                             |
| 17) Chrysene-d12            | 21.146 | 240 |     | 16819m   | 0.400 | ng/ul  | 0.00     |                             |
| 23) Perylene-d12            | 23.303 | 264 |     | 16040m   | 0.400 | ng/ul  | 0.00     | 26/2024                     |
| System Monitoring Compounds |        |     |     |          |       |        |          |                             |
| 3) 1,4-Dioxane-d8           | 3.151  | 96  |     | 20895    | 2.778 | ng/ul  | 0.00     |                             |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152 |     | 4615     | 0.176 | ng/ul  | 0.00     |                             |
| 18) Fluoranthene-d10        | 18.982 | 212 |     | 9489     | 0.199 | ng/ul  | 0.00     |                             |
| Target Compounds            |        |     |     |          |       |        |          | Qvalue                      |
| 10) Acenaphthylene          | 13.913 | 152 |     | 8514     | 0.197 | ng/ul  |          | 99                          |
| 15) Phenanthrene            | 16.984 | 178 |     | 1200m    | 0.021 | ng/ul  |          |                             |
| 16) Anthracene              | 17.077 | 178 |     | 1967m    | 0.037 | ng/ul  |          |                             |
| 19) Fluoranthene            | 19.010 | 202 |     | 10332    | 0.170 | ng/ul  |          | 97                          |
| 20) Pyrene                  | 19.373 | 202 |     | 13222m   | 0.204 | ng/ul  |          |                             |
| 21) Benzo(a)anthracene      | 21.129 | 228 |     | 10116m   | 0.173 | ng/ul  |          |                             |
| 22) Chrysene                | 21.181 | 228 |     | 11326    | 0.180 | ng/ul  |          | 96                          |
| 24) Benzo(b)fluoranthene    | 22.663 | 252 |     | 24784m   | 0.484 | ng/ul  |          |                             |
| 25) Benzo(k)fluoranthene    | 22.701 | 252 |     | 9196m    | 0.164 | ng/ul  |          |                             |
| 26) Benzo(a)pyrene          | 23.209 | 252 |     | 17025    | 0.346 | ng/ul  |          | 99                          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.441 | 276 |     | 15615    | 0.225 | ng/ul# |          | 92                          |
| 28) Dibenzo(a,h)anthracene  | 25.454 | 278 |     | 3201     | 0.059 | ng/ul# |          | 70                          |
| 29) Benzo(g,h,i)perylene    | 26.091 | 276 |     | 16166    | 0.289 | ng/ul  |          | 99                          |
| -----                       |        |     |     |          |       |        |          |                             |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
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Acq On : 19 Dec 2024 22:41  
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Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7

Manual IntegrationsAPPROVED

Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
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Reviewed By :Yogesh  
Patel

