

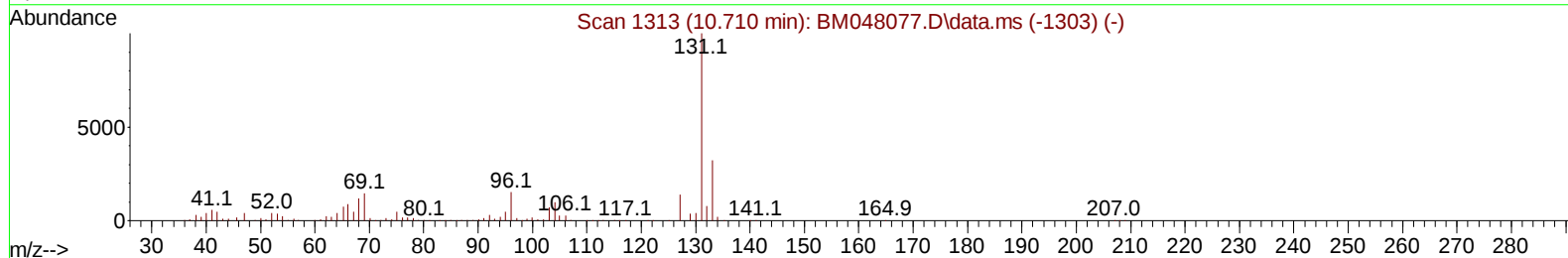
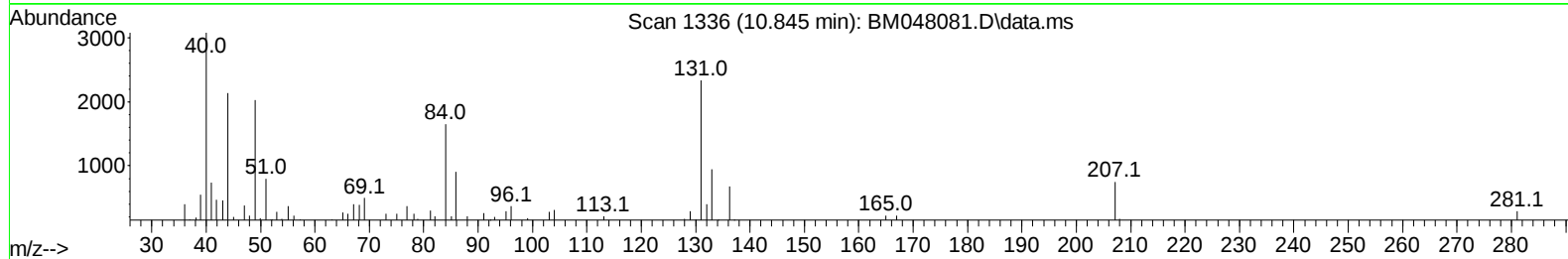
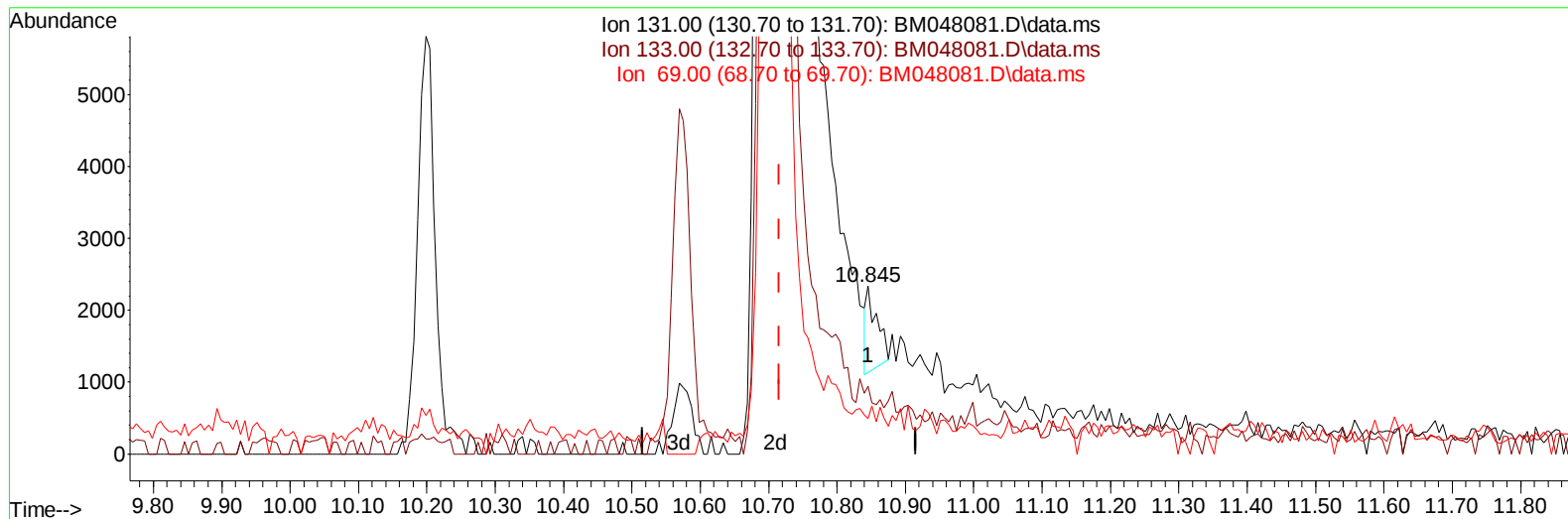
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048081.D  
Acq On : 16 Oct 2024 09:35  
Operator : RC/JU  
Sample : P4350-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EOAK7

Manual IntegrationsAPPROVED

Quant Time: Oct 16 10:46:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/17/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048081.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.845min (+ 0.130) 0.05 ng/u1

response 1286

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.00  | 40.28  |
| 69.00  | 20.90  | 21.15  |
| 0.00   | 0.00   | 0.00   |

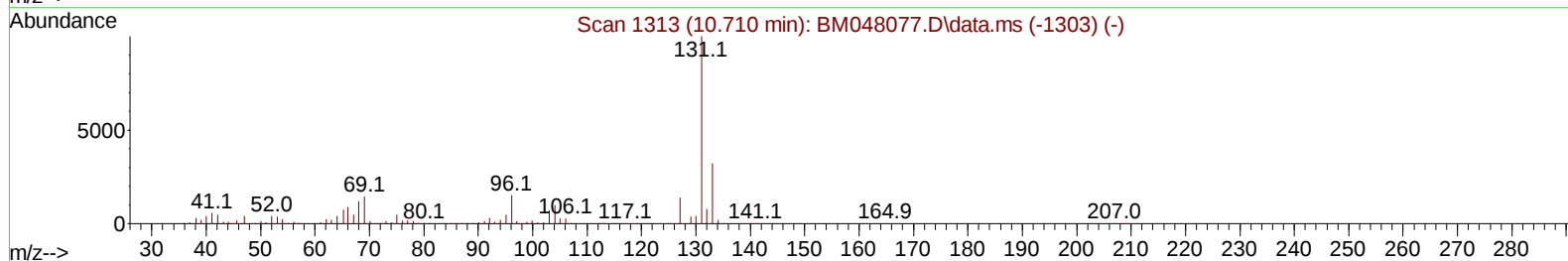
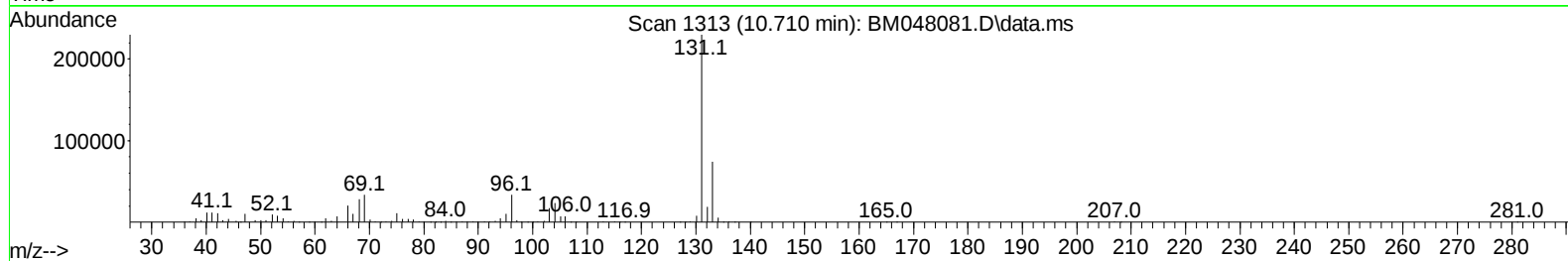
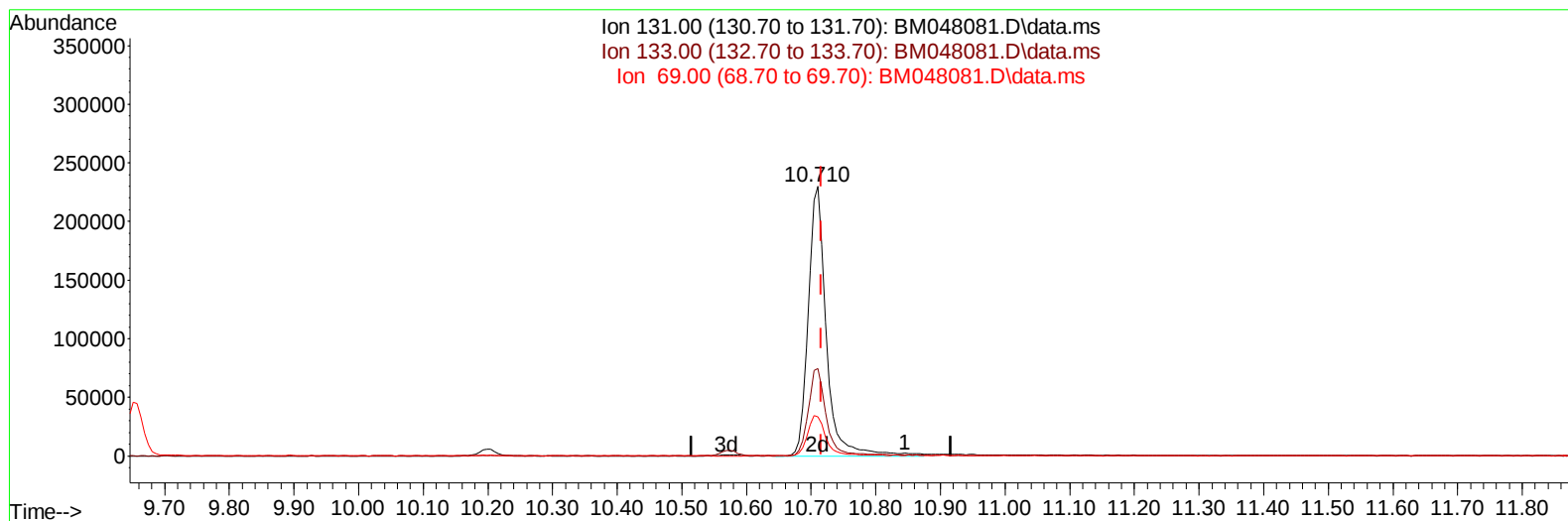
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
 Data File : BM048081.D  
 Acq On : 16 Oct 2024 09:35  
 Operator : RC/JU  
 Sample : P4350-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EOAK7

Manual IntegrationsAPPROVED

Quant Time: Oct 16 10:46:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/17/2024  
 Supervised By :mohammad ahmed 10/17/2024



TIC: BM048081.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.710min (-0.006) 16.92 ng/ul m**

**response 446248**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.00  | 32.36  |
| 69.00  | 20.90  | 14.55# |
| 0.00   | 0.00   | 0.00   |

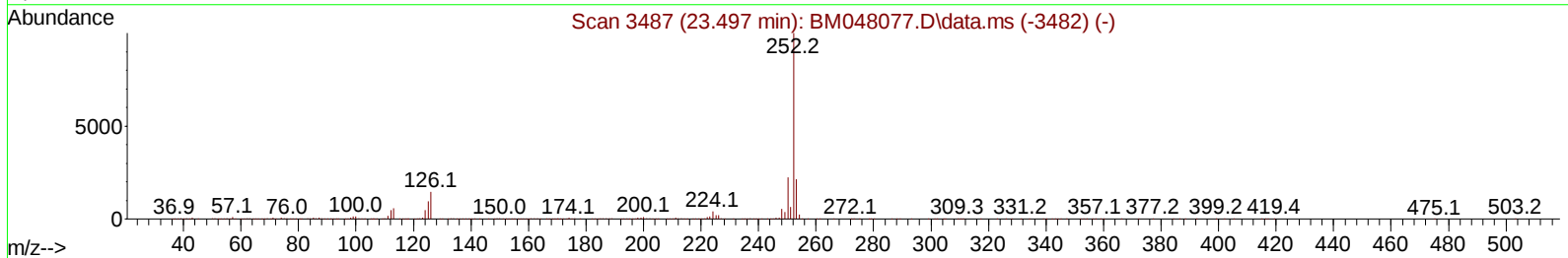
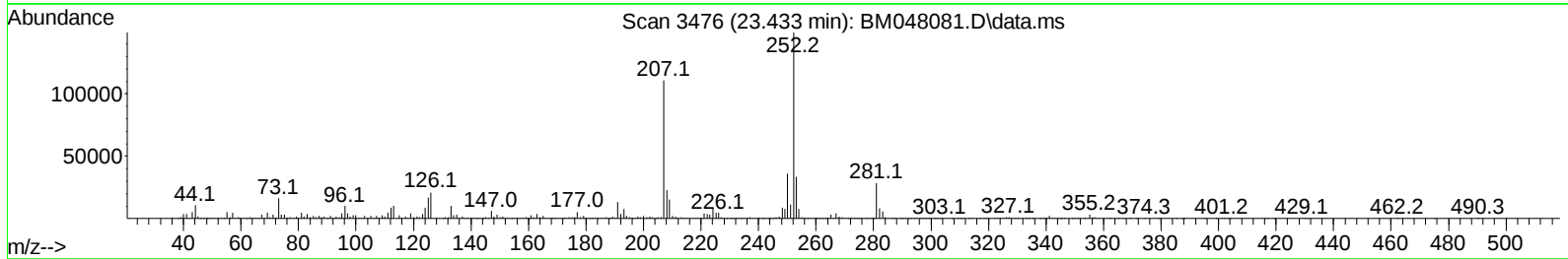
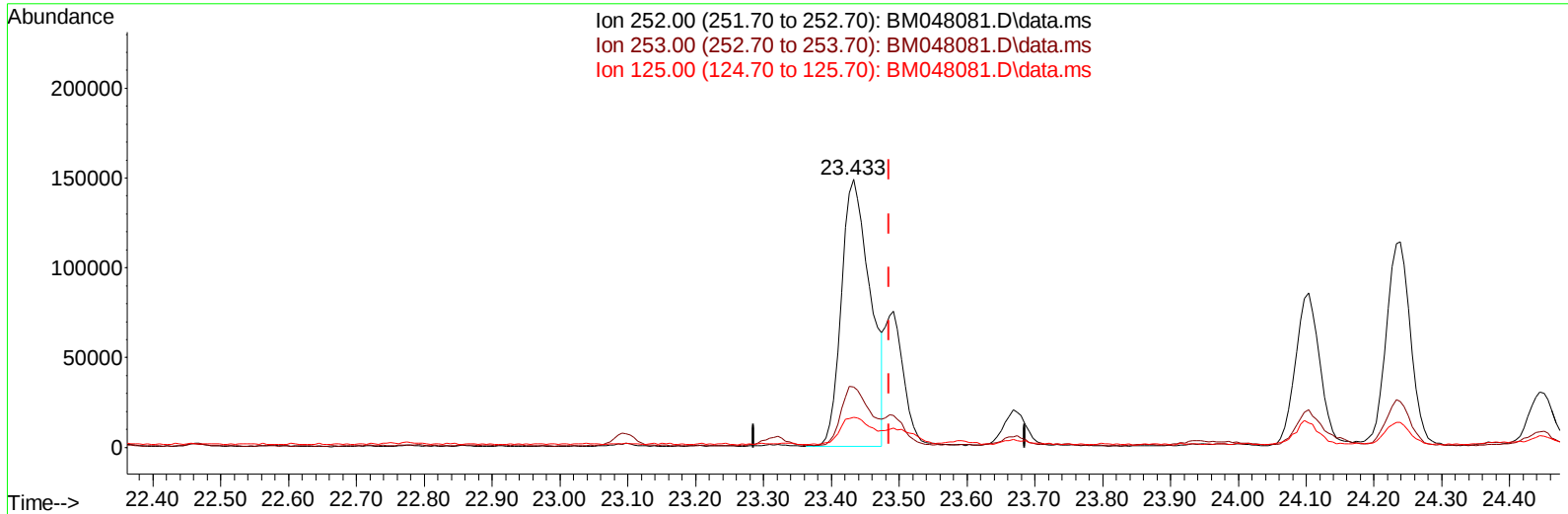
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048081.D  
Acq On : 16 Oct 2024 09:35  
Operator : RC/JU  
Sample : P4350-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EOAK7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/17/2024  
Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 10:46:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration



TIC: BM048081.D\data.ms

## (91) Benzo(k)fluoranthene

23.433min (-0.053) 5.10 ng/u1

response 441648

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 22.49  |
| 125.00 | 11.10  | 11.18  |
| 0.00   | 0.00   | 0.00   |

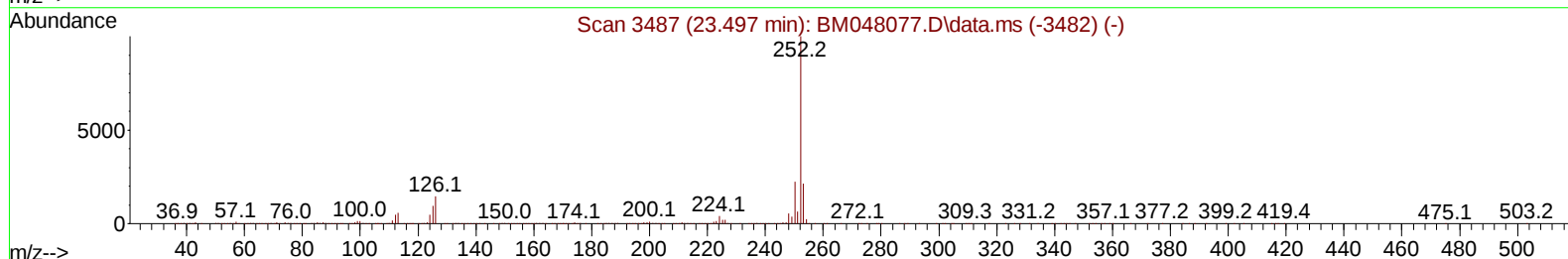
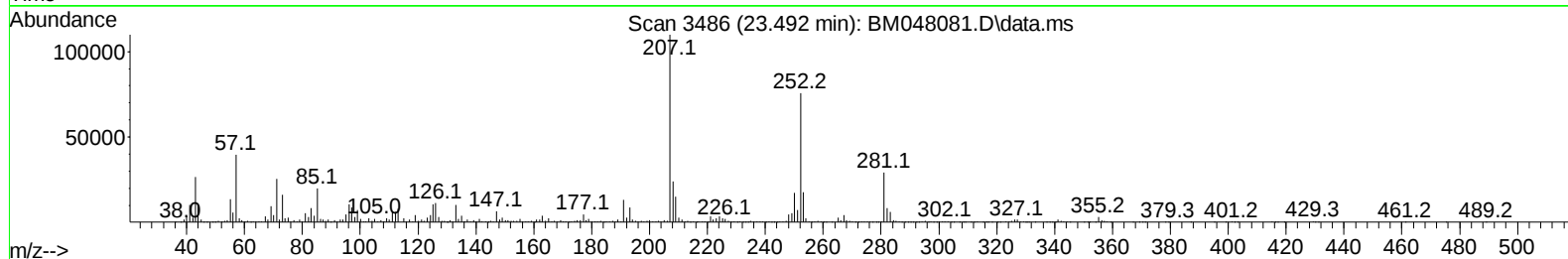
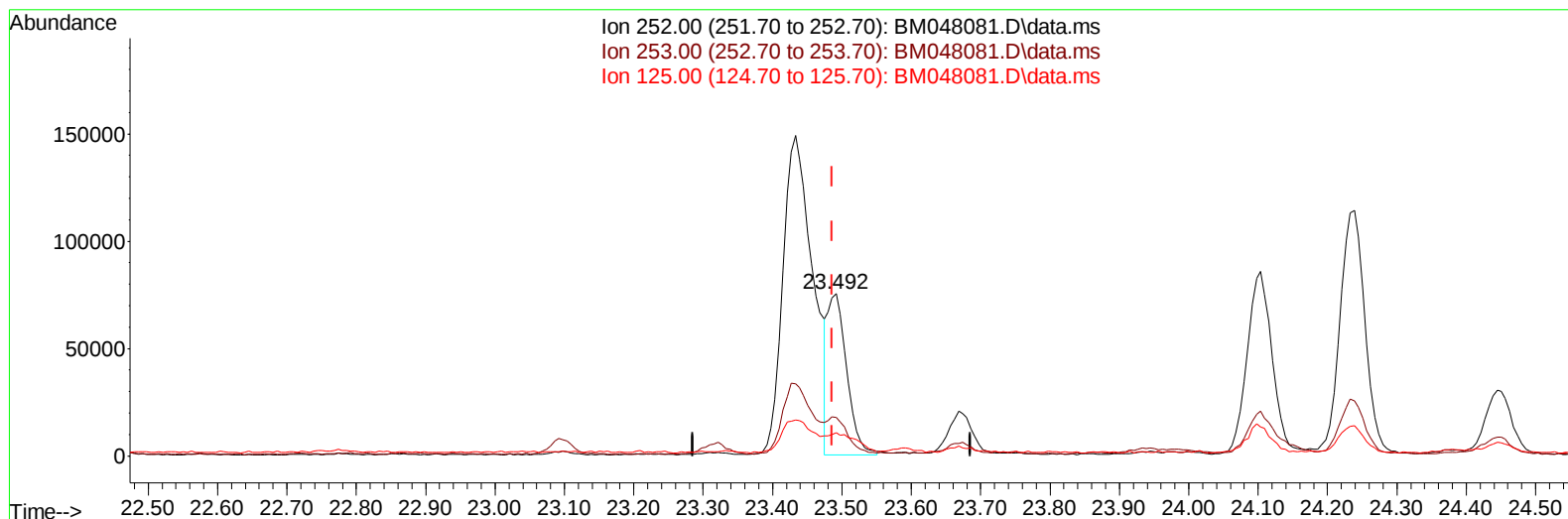
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048081.D  
Acq On : 16 Oct 2024 09:35  
Operator : RC/JU  
Sample : P4350-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EOAK7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/17/2024  
Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 10:46:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration



TIC: BM048081.D\data.ms

## (91) Benzo(k)fluoranthene

23.492min (+ 0.006) 1.67 ng/u1 m

response 144738

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 23.55  |
| 125.00 | 11.10  | 14.15# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
 Data File : BM048081.D  
 Acq On : 16 Oct 2024 09:35  
 Operator : RC/JU  
 Sample : P4350-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EOAK7

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/17/2024  
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 10:58:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 273302   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.569 | 136  | 1119045  | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.416 | 164  | 691577   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.157 | 188  | 1361274  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.386 | 240  | 1227531  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.380 | 264  | 1356948  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 20788    | 2.458  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.652  | 84   | 294812   | 11.906 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.952  | 99   | 399947   | 15.476 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.110  | 67   | 241863   | 13.189 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 349115   | 18.567 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.493  | 113  | 338485   | 17.616 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.934  | 128  | 162107   | 18.194 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 180559   | 21.147 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.198 | 165  | 336081   | 19.704 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 446248m  | 16.923 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.822 | 166  | 1090257  | 21.744 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 1245796  | 20.956 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.633 | 143  | 102762   | 10.294 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.410 | 176  | 949071   | 21.853 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200  | 71815    | 9.015  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.257 | 188  | 1499037  | 22.395 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 1730080  | 24.833 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.174 | 264  | 1718702  | 24.412 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.981  | 94   | 36681    | 1.334  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.198 | 178  | 604839   | 7.577  | ng/ul  | 100      |
| 74) Anthracene                | 17.286 | 178  | 81691    | 1.003  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.210 | 202  | 913158   | 11.129 | ng/ul  | 100      |
| 82) Pyrene                    | 19.574 | 202  | 747763   | 8.188  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.368 | 228  | 323211   | 3.761  | ng/ul  | 98       |
| 87) Chrysene                  | 21.427 | 228  | 353886   | 4.224  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.433 | 252  | 441648   | 5.219  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.492 | 252  | 144738m  | 1.673  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.239 | 252  | 280309   | 3.488  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.756 | 276  | 199021   | 1.932  | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.803 | 276  | 194952   | 2.416  | ng/ul  | 99       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048081.D  
Acq On : 16 Oct 2024 09:35  
Operator : RC/JU  
Sample : P4350-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EOAK7

## Manual IntegrationsAPPROVED

Quant Time: Oct 16 10:58:59 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/17/2024  
Supervised By :mohammad ahmed 10/17/2024

