

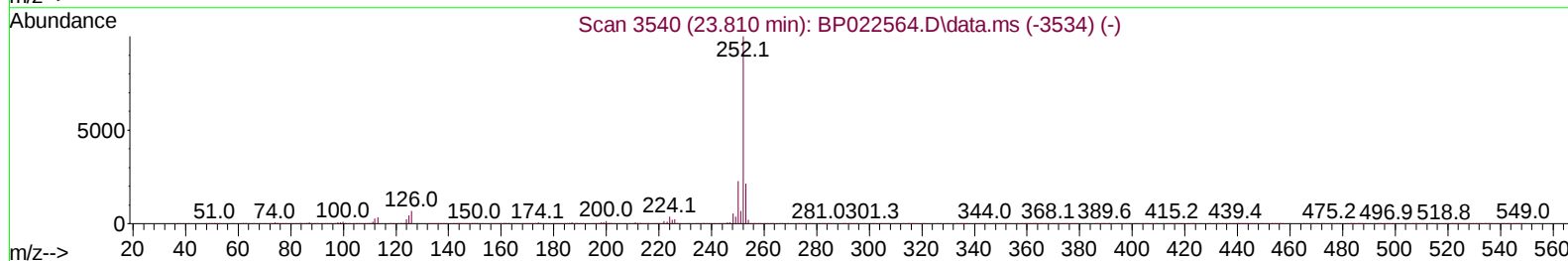
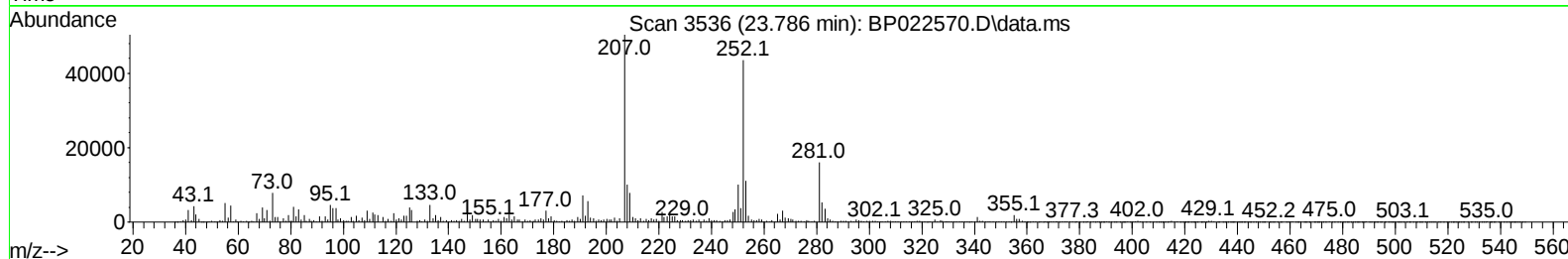
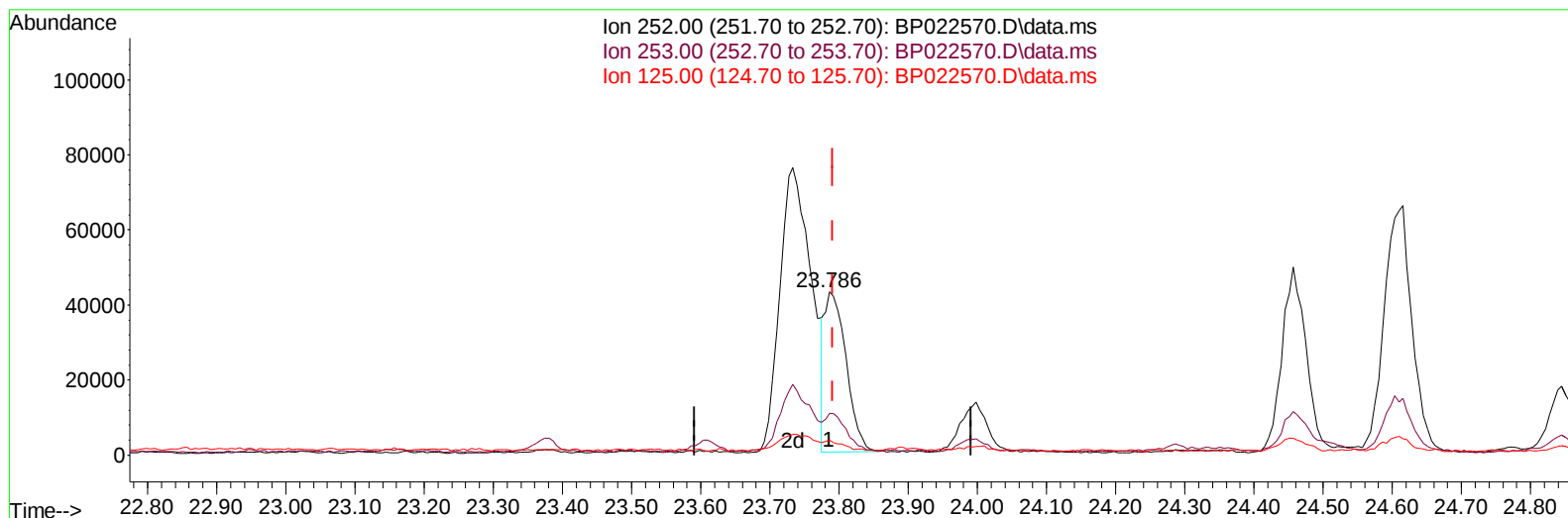
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022570.D  
Acq On : 23 Oct 2024 19:35  
Operator : RC/JU  
Sample : P4415-14  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4F88

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:28:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 22 05:59:59 2024  
Response via : Initial Calibration



TIC: BP022570.D\data.ms

## (91) Benzo(k)fluoranthene

23.786min (-0.006) 1.40 ng/u1

response 91135

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 25.57  |
| 125.00 | 5.70   | 9.13#  |
| 0.00   | 0.00   | 0.00   |

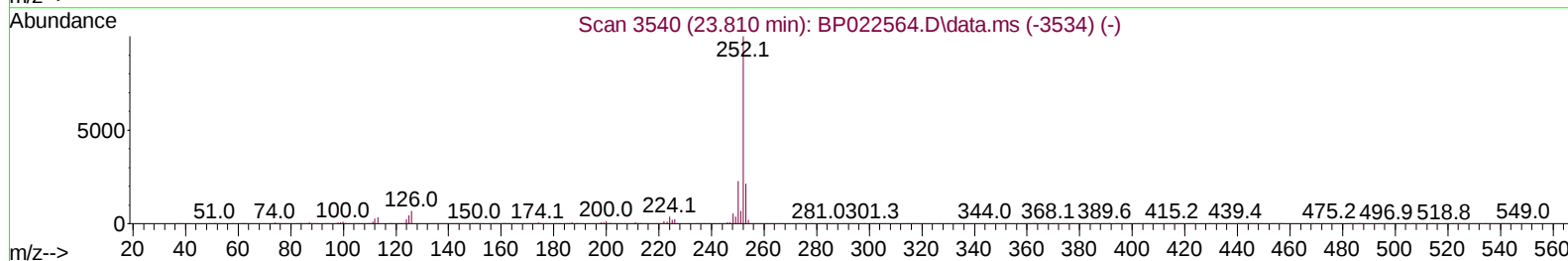
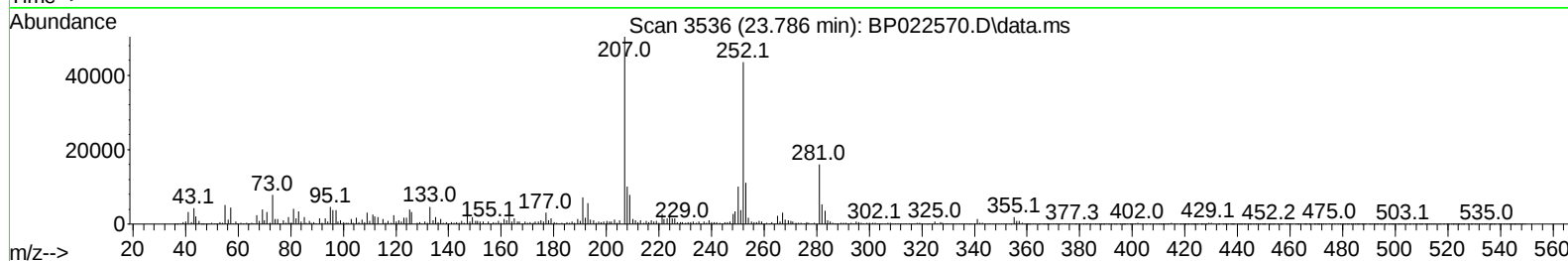
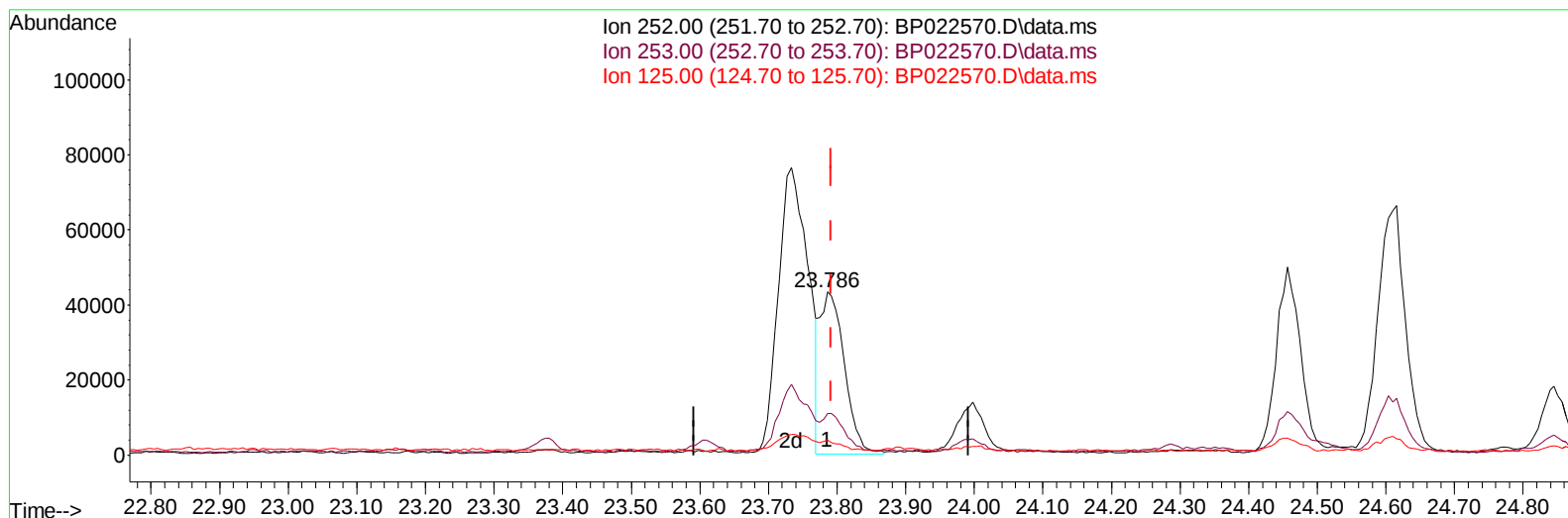
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022570.D  
 Acq On : 23 Oct 2024 19:35  
 Operator : RC/JU  
 Sample : P4415-14  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4F88

Manual IntegrationsAPPROVED

Quant Time: Oct 24 01:28:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 22 05:59:59 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024



TIC: BP022570.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.786min (-0.006) 1.66 ng/u1 m**

**response 107598**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 25.57  |
| 125.00 | 5.70   | 9.13#  |
| 0.00   | 0.00   | 0.00   |

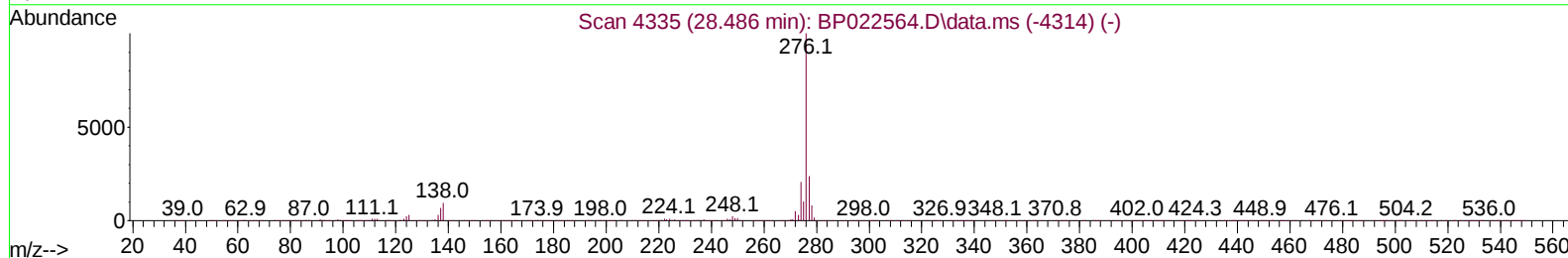
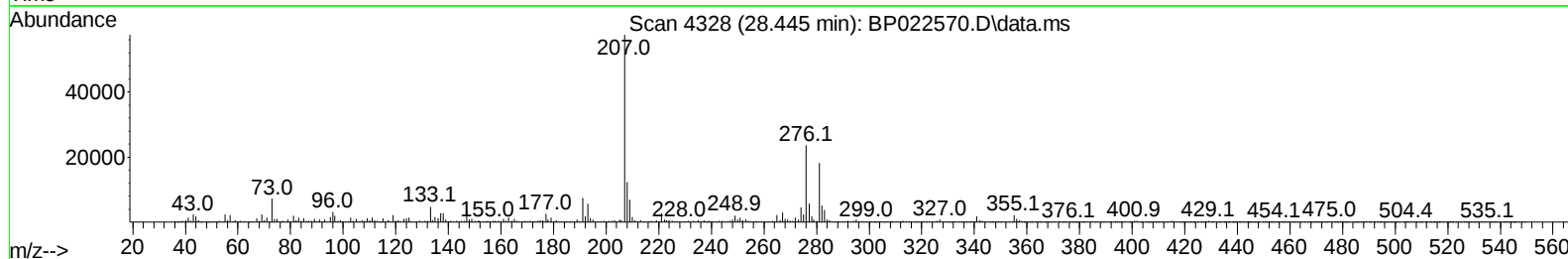
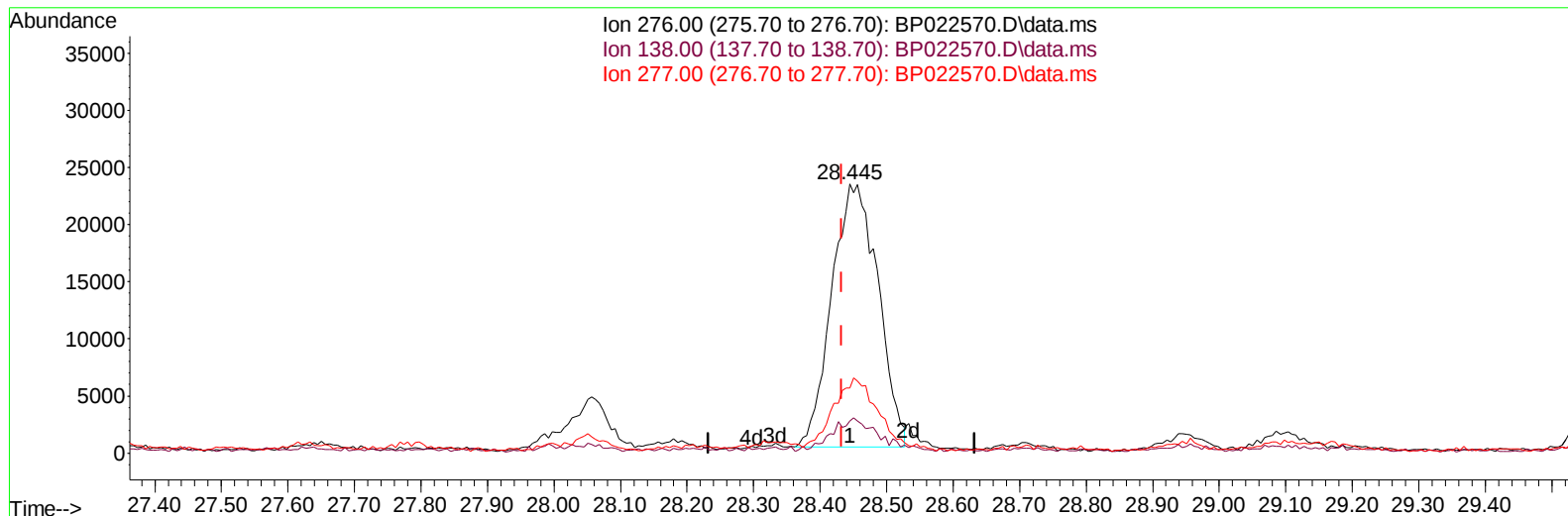
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022570.D  
Acq On : 23 Oct 2024 19:35  
Operator : RC/JU  
Sample : P4415-14  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4F88

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:28:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 22 05:59:59 2024  
Response via : Initial Calibration



TIC: BP022570.D\data.ms

## (94) Indeno(1,2,3-cd)pyrene

28.445min (+ 0.012) 1.37 ng/u1

response 111332

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.40  | 11.88  |
| 277.00 | 23.20  | 24.27  |
| 0.00   | 0.00   | 0.00   |

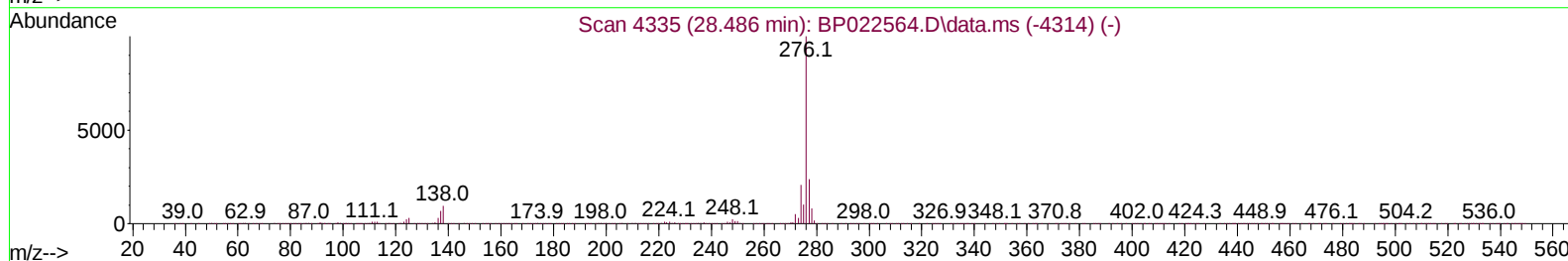
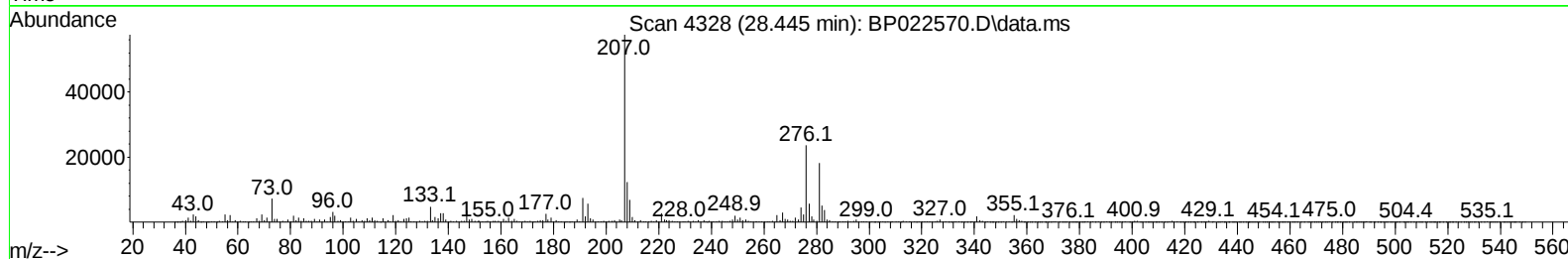
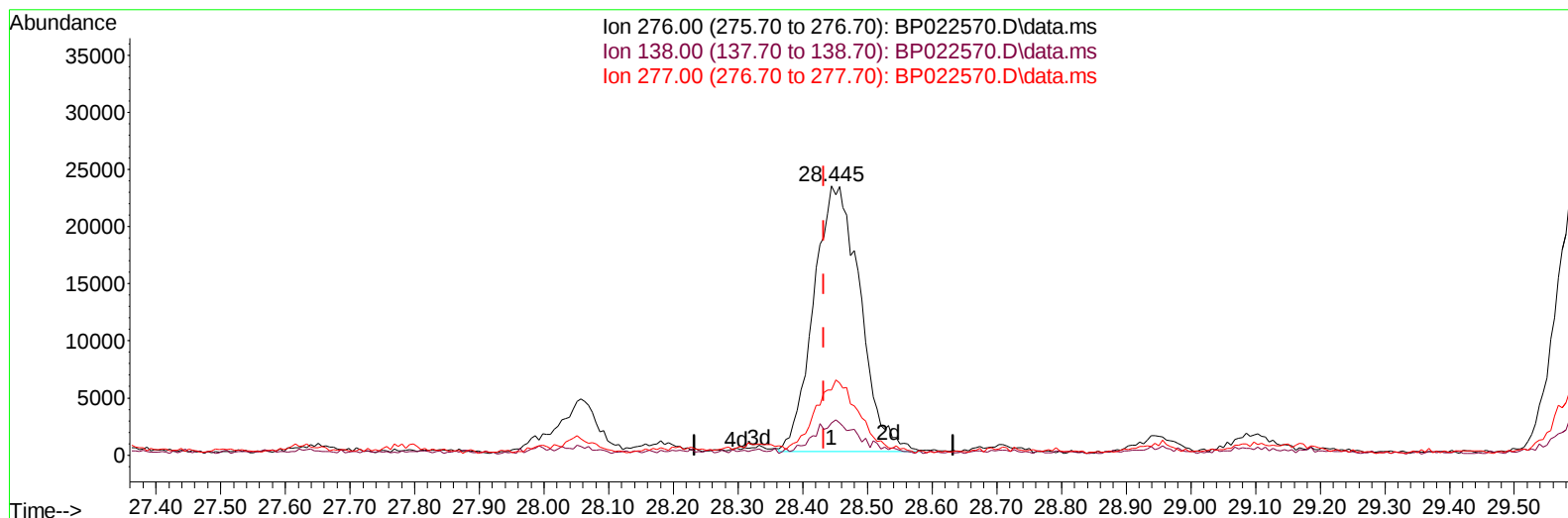
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022570.D  
Acq On : 23 Oct 2024 19:35  
Operator : RC/JU  
Sample : P4415-14  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4F88

Manual IntegrationsAPPROVED

Quant Time: Oct 24 01:28:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 22 05:59:59 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



TIC: BP022570.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.445min (+ 0.012) 1.42 ng/ul m

response 115929

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.40  | 11.88  |
| 277.00 | 23.20  | 24.27  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022570.D  
 Acq On : 23 Oct 2024 19:35  
 Operator : RC/JU  
 Sample : P4415-14  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4F88

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:31:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 22 05:59:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.658  | 152  | 124436   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 494742   | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 386272   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.063 | 188  | 903183   | 20.000 | ng/ul | -0.02    |
| 79) Chrysene-d12              | 21.516 | 240  | 893711   | 20.000 | ng/ul | 0.02     |
| 88) Perylene-d12              | 24.774 | 264  | 1054511  | 20.000 | ng/ul | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 8127     | 2.538  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.611  | 84   | 112798   | 12.831 | ng/ul | 0.00     |
| 7) Phenol-d5                  | 6.846  | 99   | 184817   | 17.644 | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.999  | 67   | 101481   | 16.484 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.199  | 132  | 131831   | 17.737 | ng/ul | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 162202   | 19.404 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 64569    | 16.974 | ng/ul | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 79063    | 17.952 | ng/ul | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 177133   | 18.924 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.552 | 131  | 198432   | 17.941 | ng/ul | 0.00     |
| 46) Dimethylphthalate-d6      | 13.675 | 166  | 628964   | 20.494 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 644963   | 19.786 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 74981    | 14.563 | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.269 | 176  | 546324   | 20.523 | ng/ul | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 52699    | 8.872  | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 928806   | 21.860 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.551 | 212  | 1092122  | 23.108 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.533 | 264  | 1203875  | 21.377 | ng/ul | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          | Qvalue |       |          |
| 72) Phenanthrene              | 17.110 | 178  | 378906   | 7.841  | ng/ul | 99       |
| 74) Anthracene                | 17.204 | 178  | 82310    | 1.707  | ng/ul | 97       |
| 80) Fluoranthene              | 19.198 | 202  | 558094   | 10.272 | ng/ul | 99       |
| 82) Pyrene                    | 19.580 | 202  | 528267   | 9.072  | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 228682   | 3.650  | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.422 | 149  | 69024    | 2.372  | ng/ul | 99       |
| 87) Chrysene                  | 21.557 | 228  | 214280   | 3.689  | ng/ul | 97       |
| 90) Benzo(b)fluoranthene      | 23.733 | 252  | 227407   | 3.426  | ng/ul | 95       |
| 91) Benzo(k)fluoranthene      | 23.786 | 252  | 107598m  | 1.656  | ng/ul |          |
| 93) Benzo(a)pyrene            | 24.615 | 252  | 184070   | 3.013  | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.445 | 276  | 115929m  | 1.422  | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 29.592 | 276  | 108895   | 1.717  | ng/ul | 99       |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022570.D  
Acq On : 23 Oct 2024 19:35  
Operator : RC/JU  
Sample : P4415-14  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4F88

## Manual IntegrationsAPPROVED

Quant Time: Oct 24 01:31:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 22 05:59:59 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

