

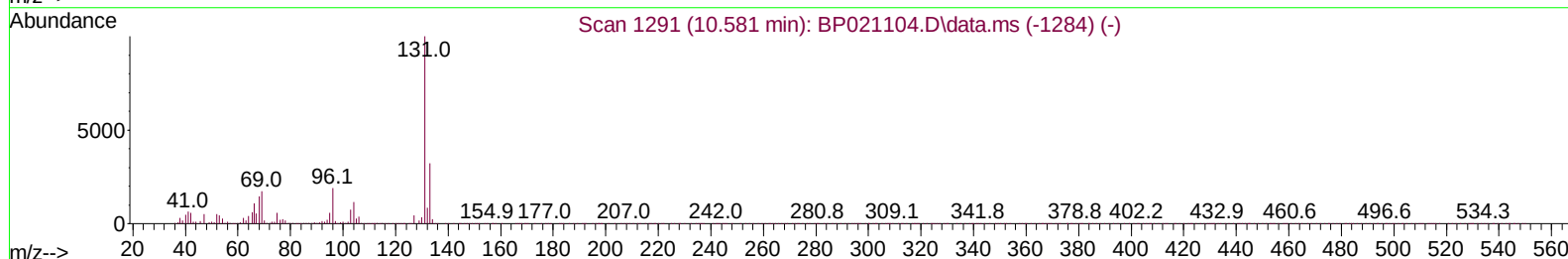
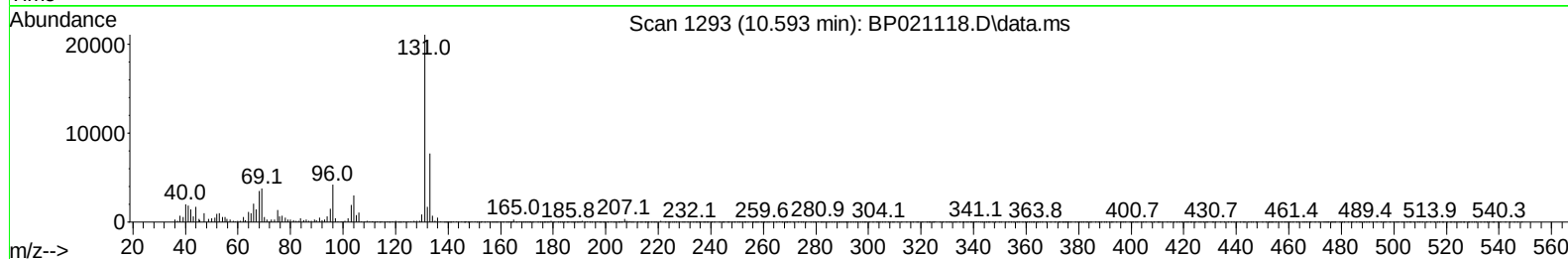
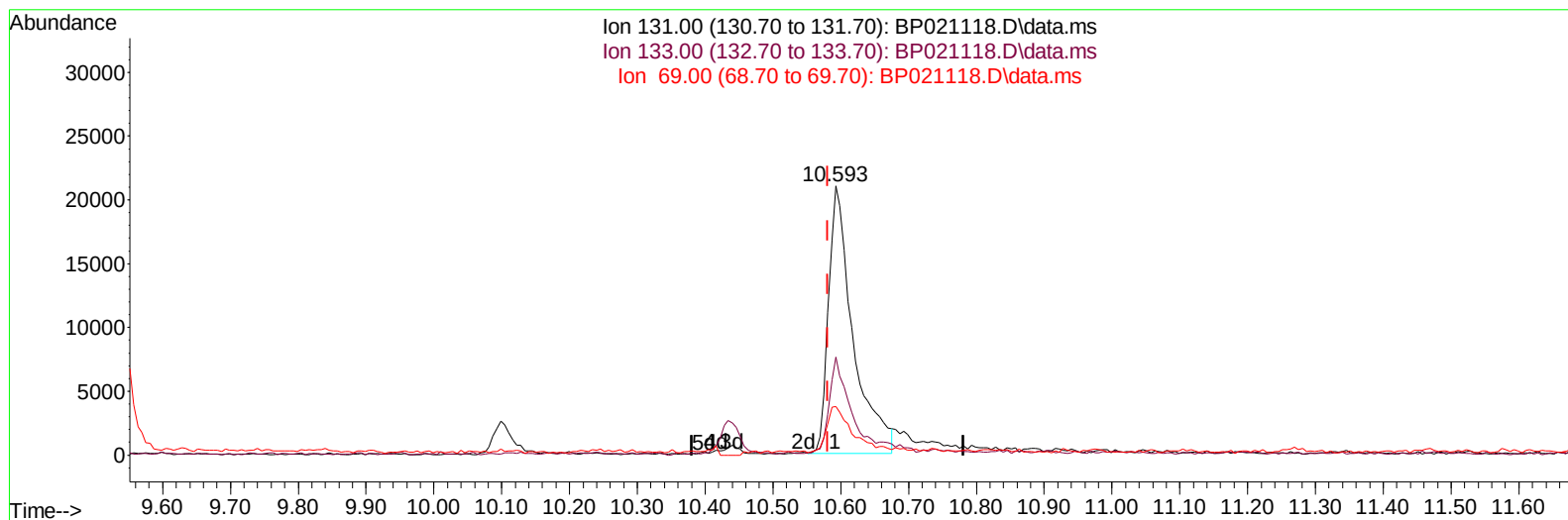
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
 Data File : BP021118.D  
 Acq On : 24 Jul 2024 04:43  
 Operator : MA/JU  
 Sample : P3238-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 00:21:57 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

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

**10.593min (+ 0.012) 3.96 ng/ul**

**response 52698**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.50  | 36.47  |
| 69.00  | 17.40  | 18.08  |
| 0.00   | 0.00   | 0.00   |

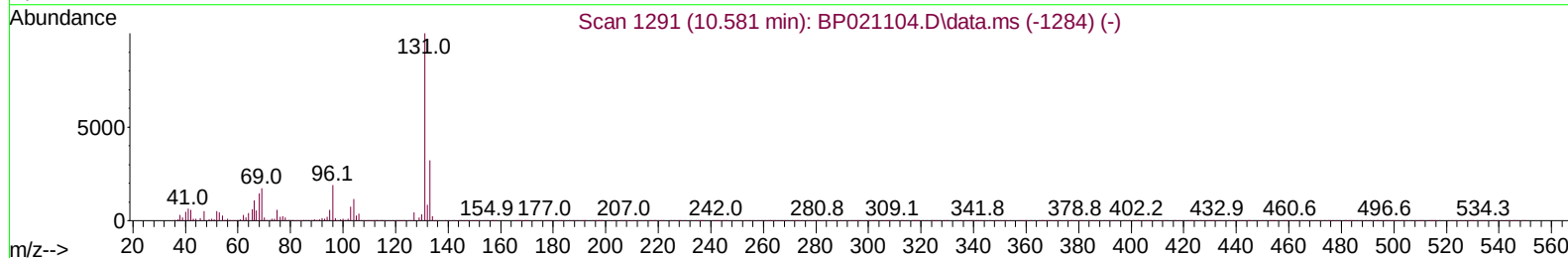
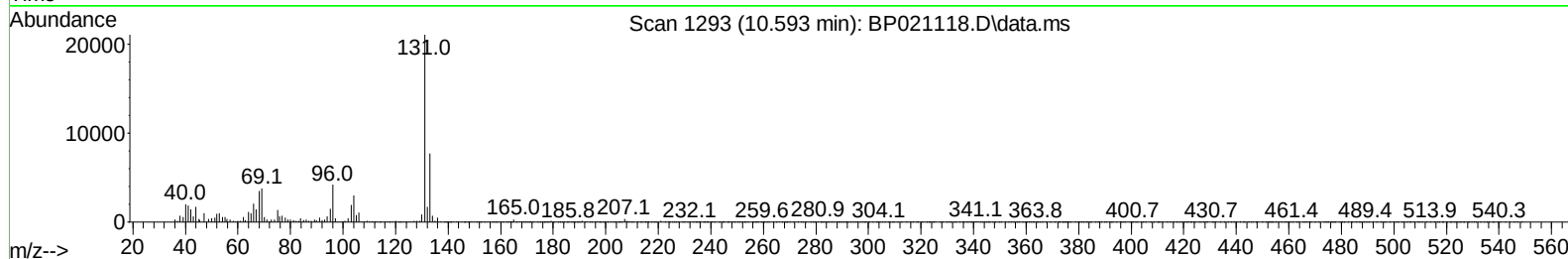
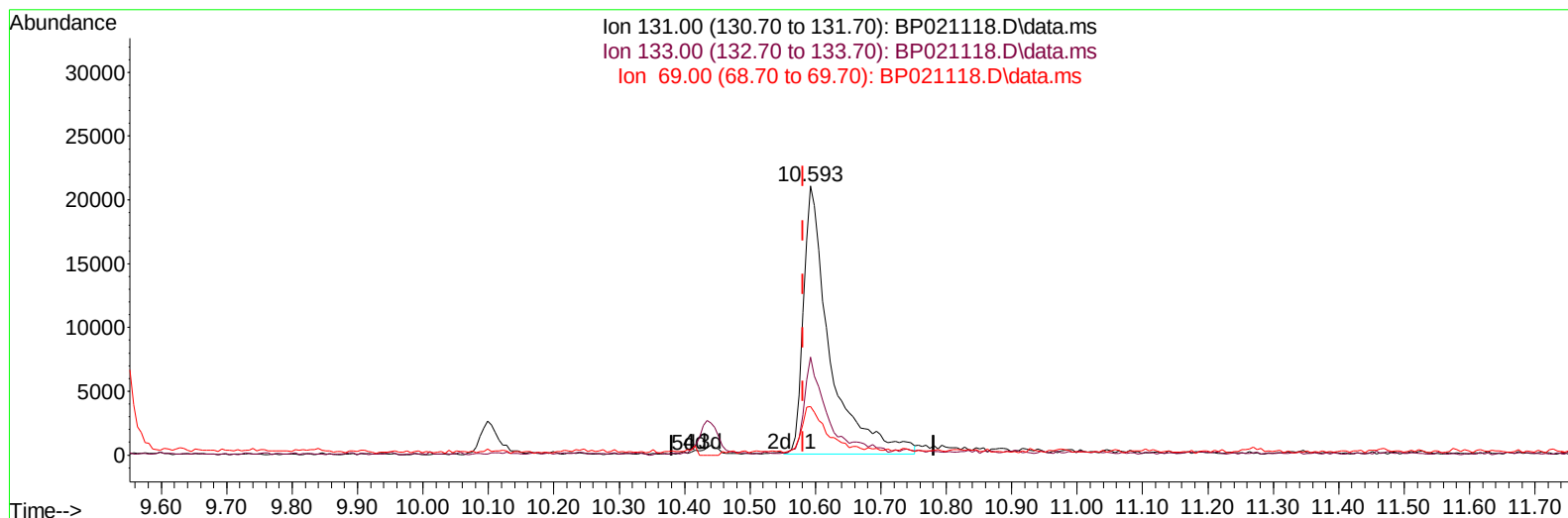
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

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

**10.593min (+ 0.012) 4.39 ng/ul m**

**response 58416**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.50  | 36.47  |
| 69.00  | 17.40  | 18.08  |
| 0.00   | 0.00   | 0.00   |

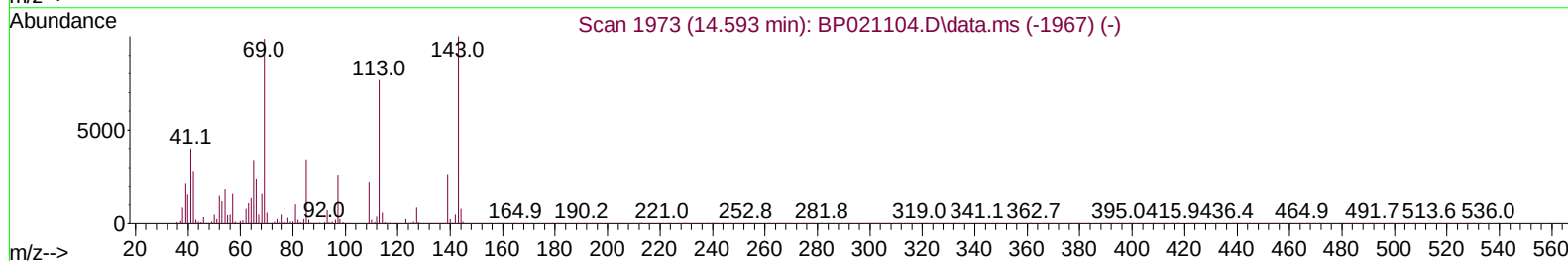
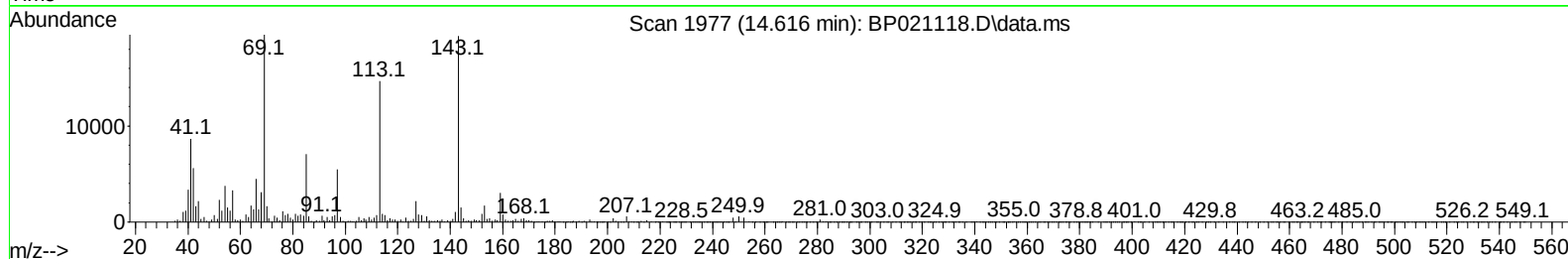
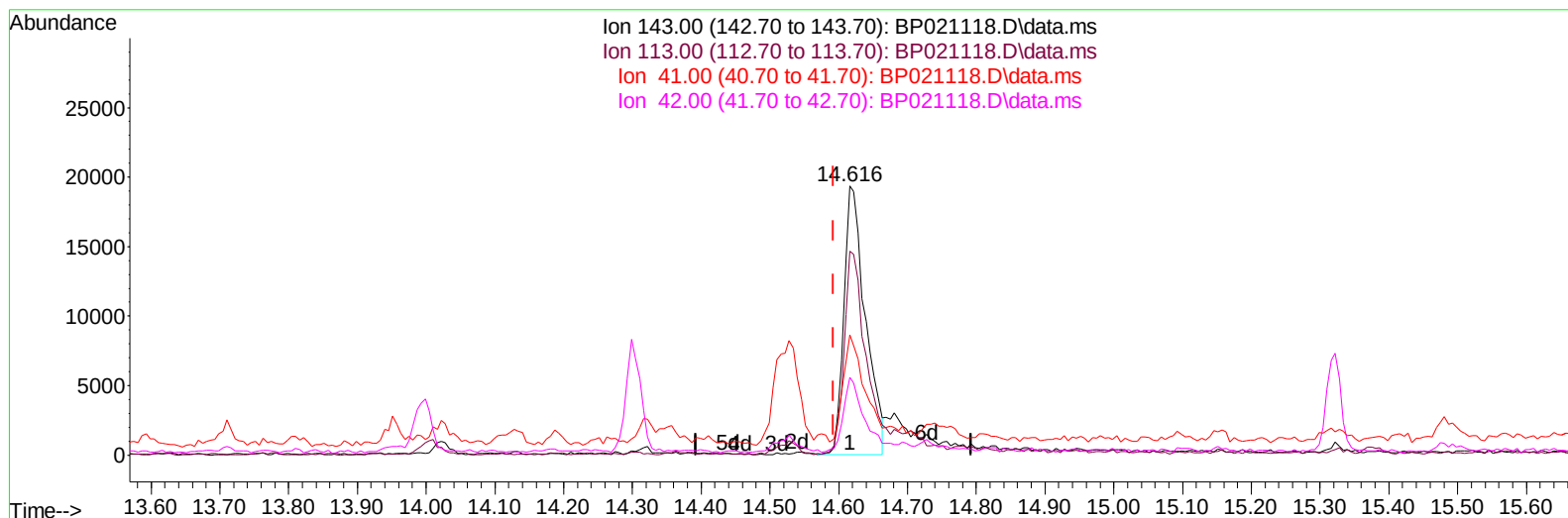
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.616min (+ 0.024) 9.46 ng/ul**

**response 42058**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 74.70  | 75.82  |
| 41.00  | 37.90  | 44.65  |
| 42.00  | 27.10  | 28.94  |

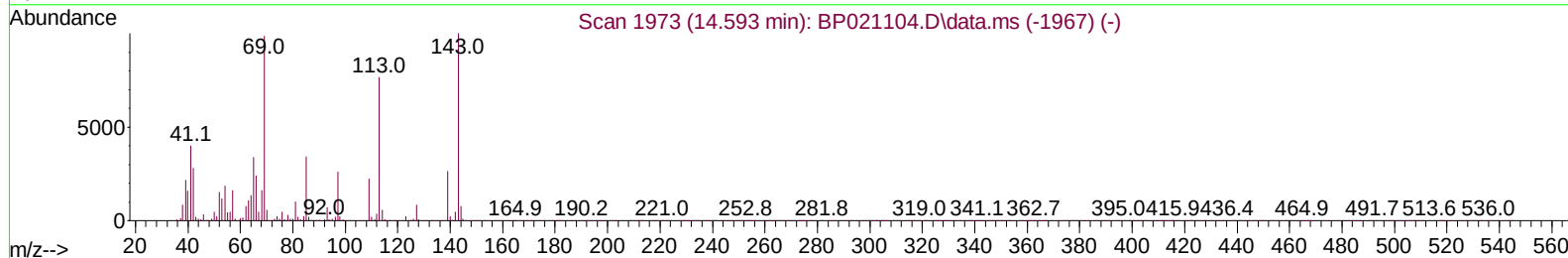
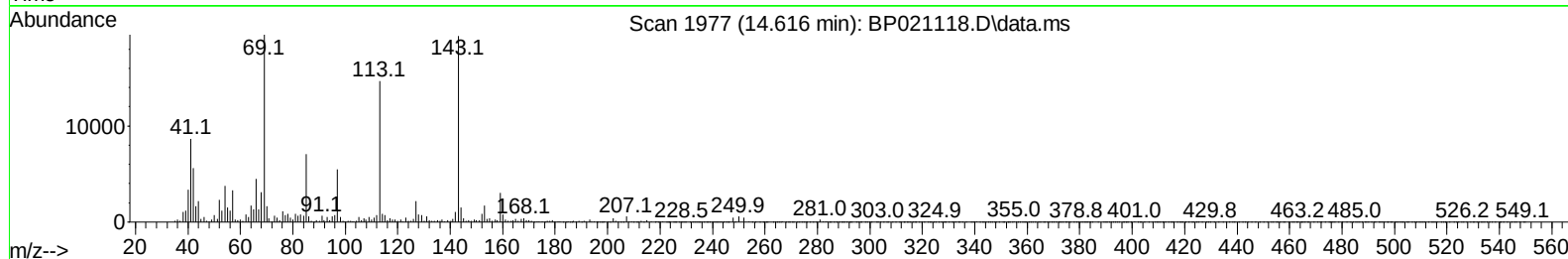
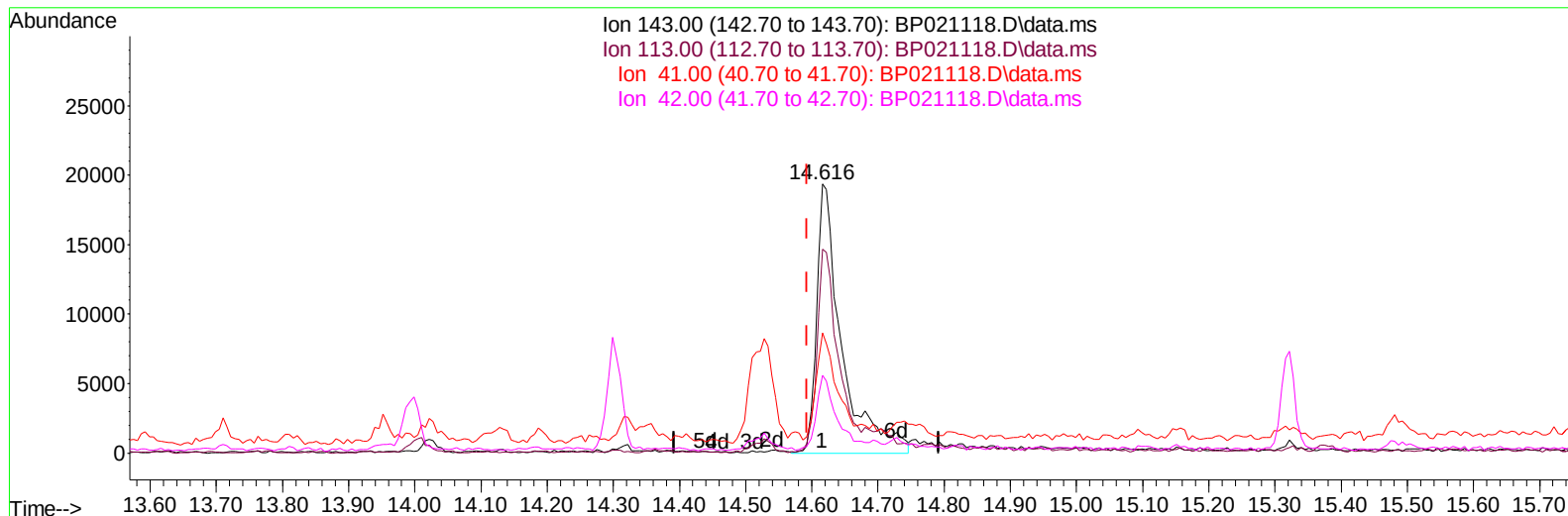
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.616min (+ 0.024) 11.45 ng/ul m

response 50937

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 74.70  | 75.82  |
| 41.00  | 37.90  | 44.65  |
| 42.00  | 27.10  | 28.94  |

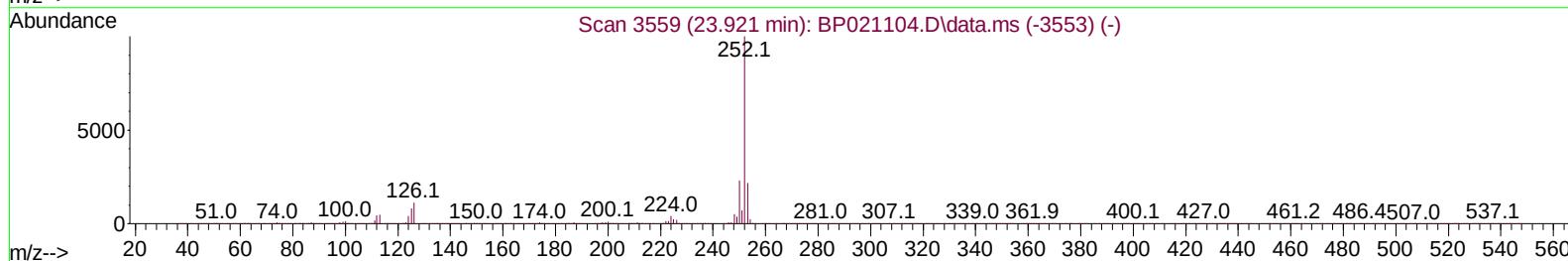
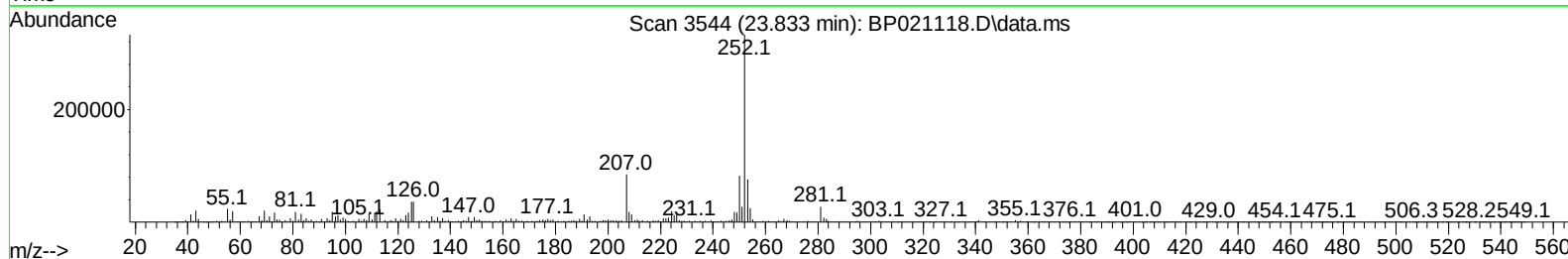
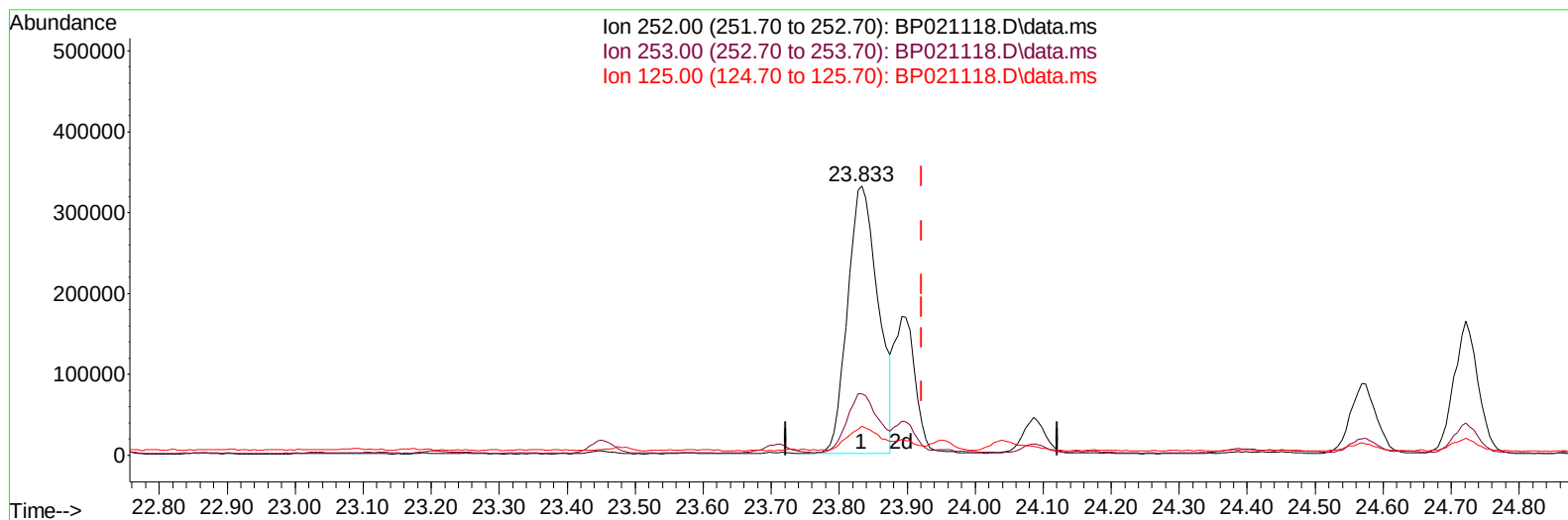
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
 Data File : BP021118.D  
 Acq On : 24 Jul 2024 04:43  
 Operator : MA/JU  
 Sample : P3238-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 00:21:57 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

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

**23.833min (-0.088) 14.97 ng/u1**

**response 1037524**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.80  | 22.82  |
| 125.00 | 9.20   | 10.70  |
| 0.00   | 0.00   | 0.00   |

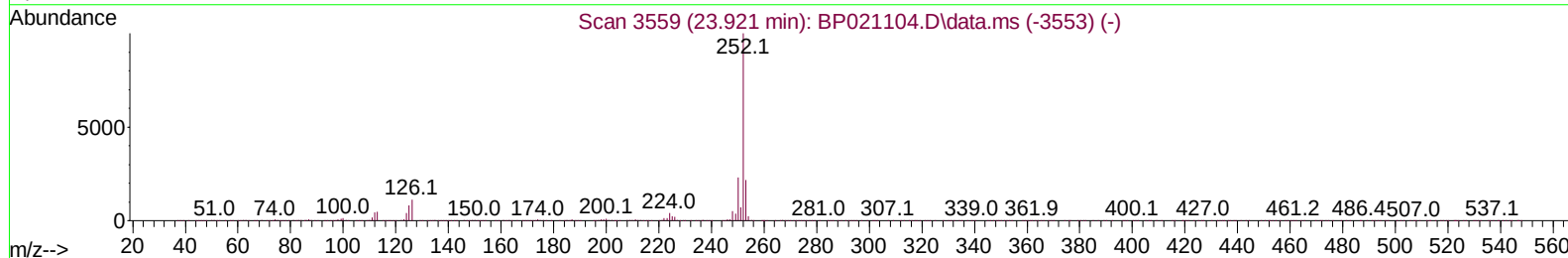
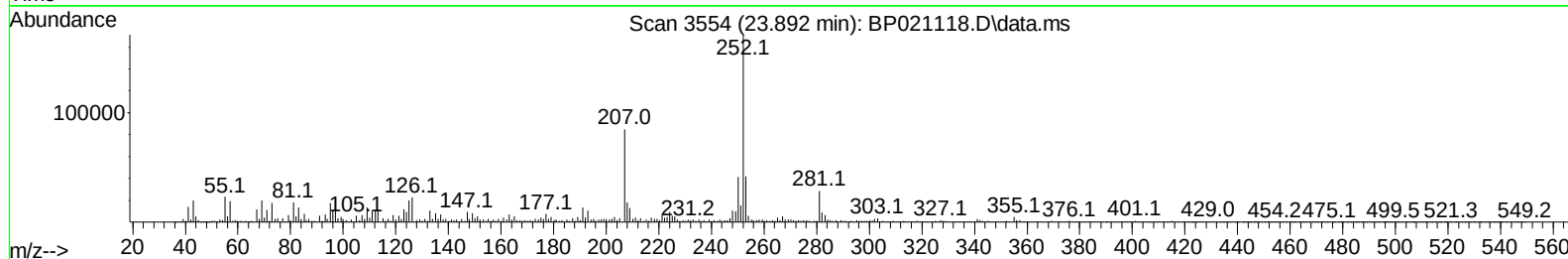
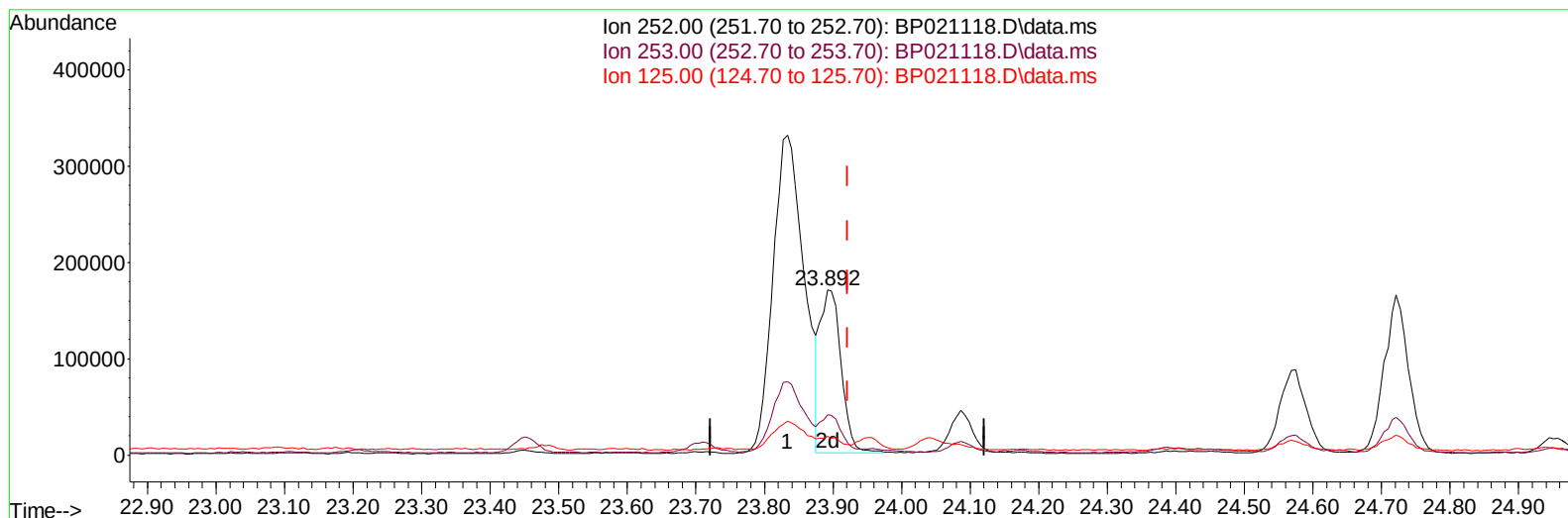
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
 Data File : BP021118.D  
 Acq On : 24 Jul 2024 04:43  
 Operator : MA/JU  
 Sample : P3238-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 00:21:57 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(91) Benzo(k)fluoranthene

23.892min (-0.029) 5.21 ng/u1 m

response 361346

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.80  | 24.49  |
| 125.00 | 9.20   | 11.43# |
| 0.00   | 0.00   | 0.00   |

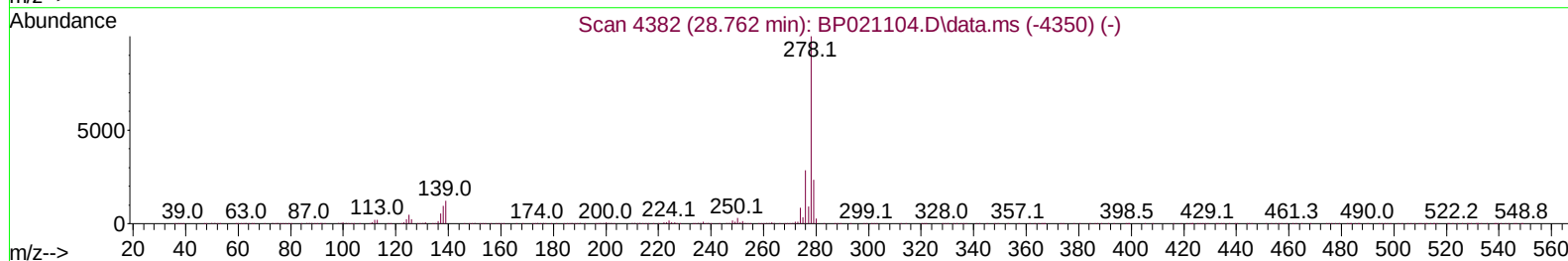
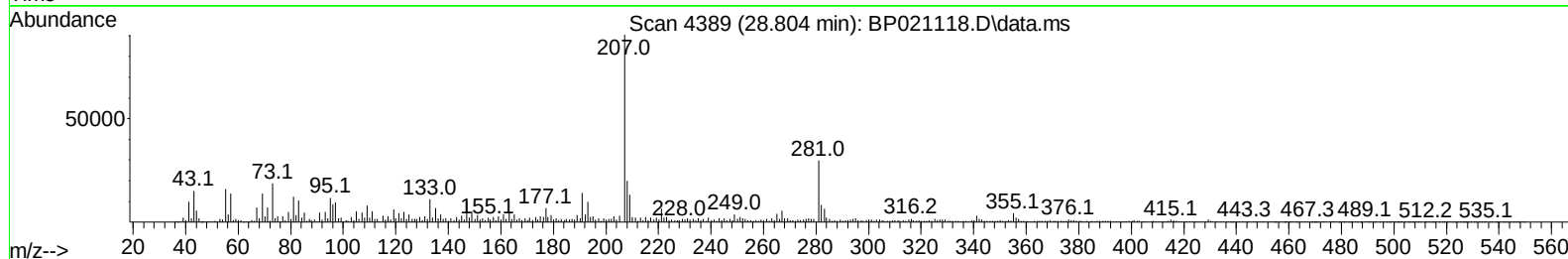
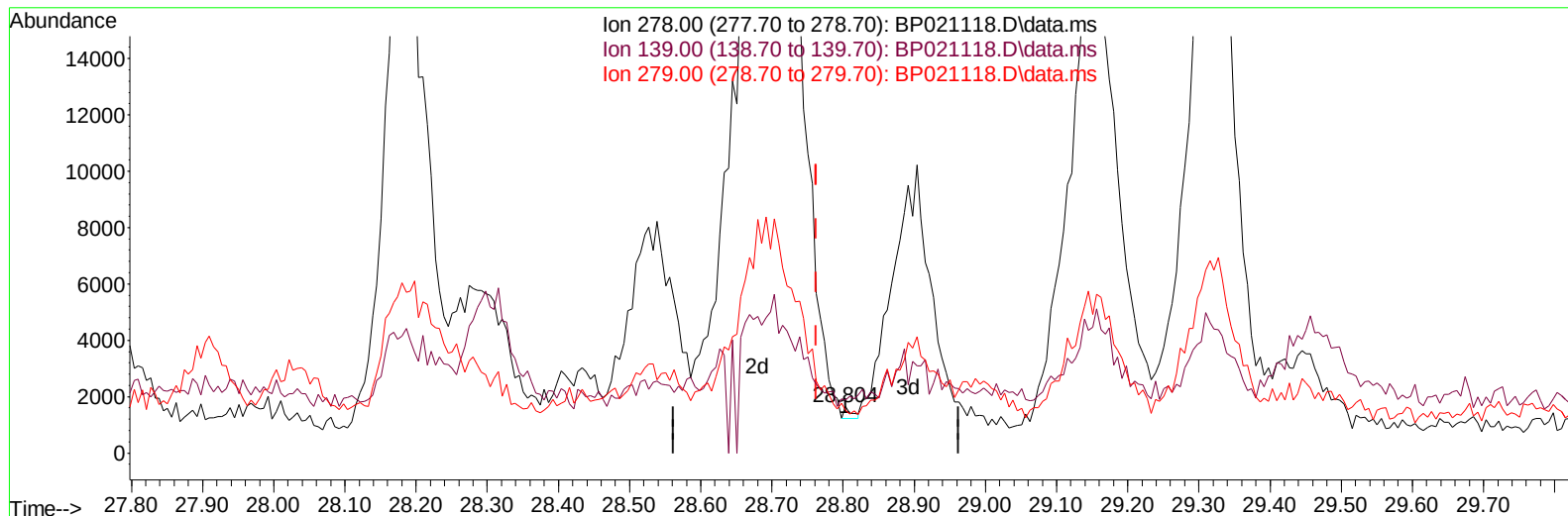
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(95) Dibenzo(a,h)anthracene

28.804min (+ 0.041) 0.00 ng/u1

response 334

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 278.00 | 100.00 | 100.00  |
| 139.00 | 13.60  | 113.29# |
| 279.00 | 24.20  | 91.60#  |
| 0.00   | 0.00   | 0.00    |

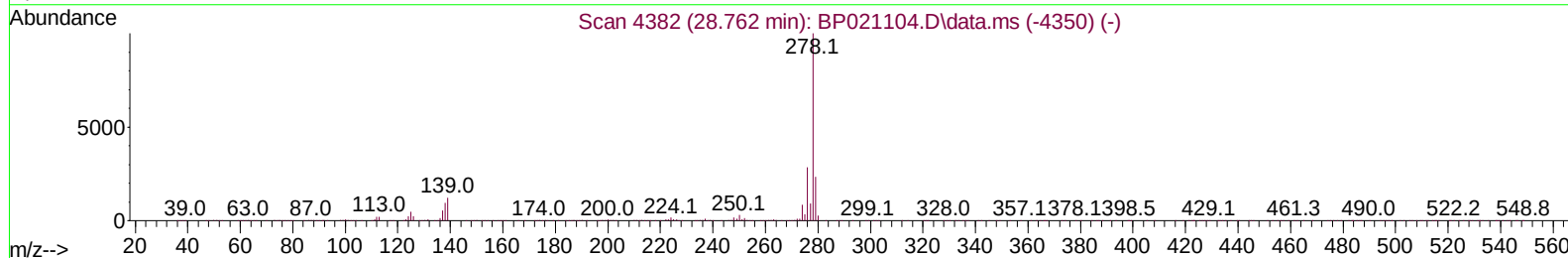
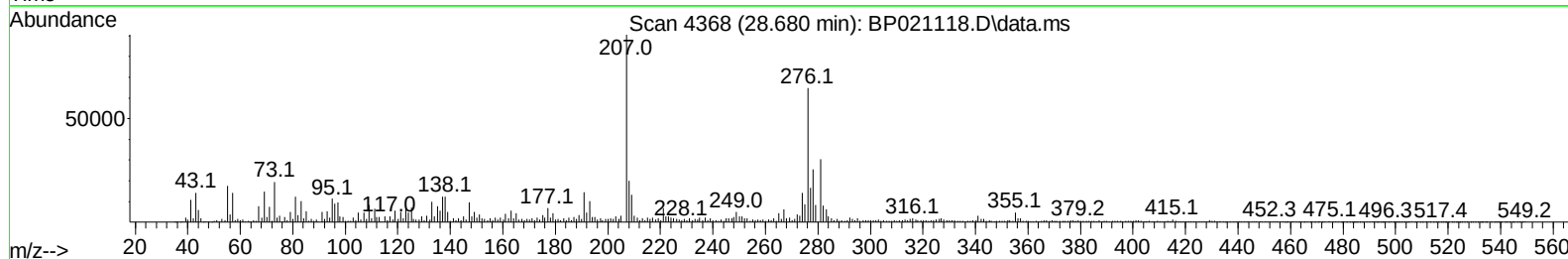
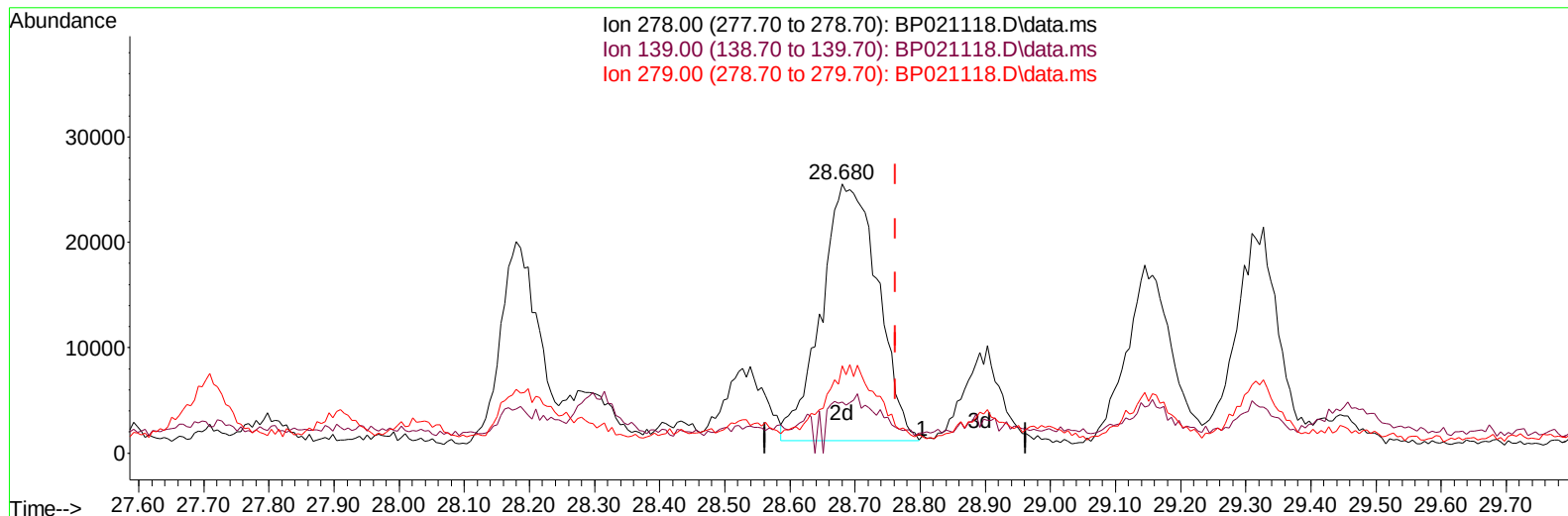
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(95) Dibenzo(a,h)anthracene

28.680min (-0.082) 2.10 ng/ul m

response 147159

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.60  | 19.00# |
| 279.00 | 24.20  | 32.48# |
| 0.00   | 0.00   | 0.00   |



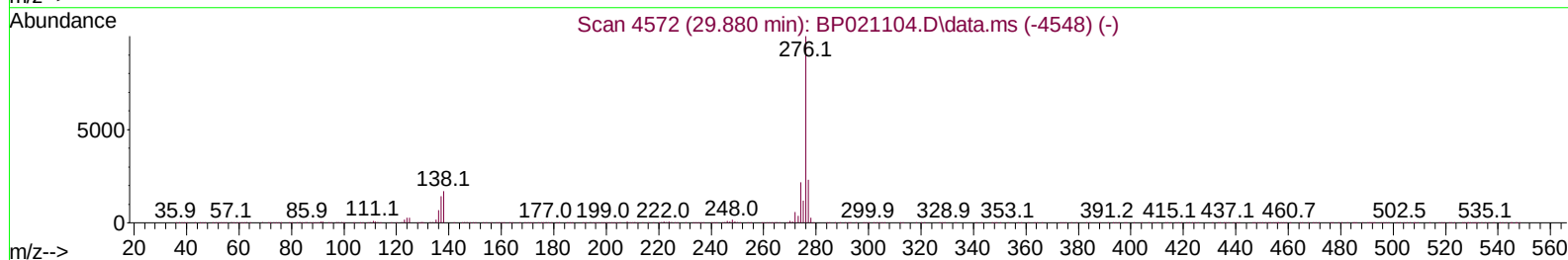
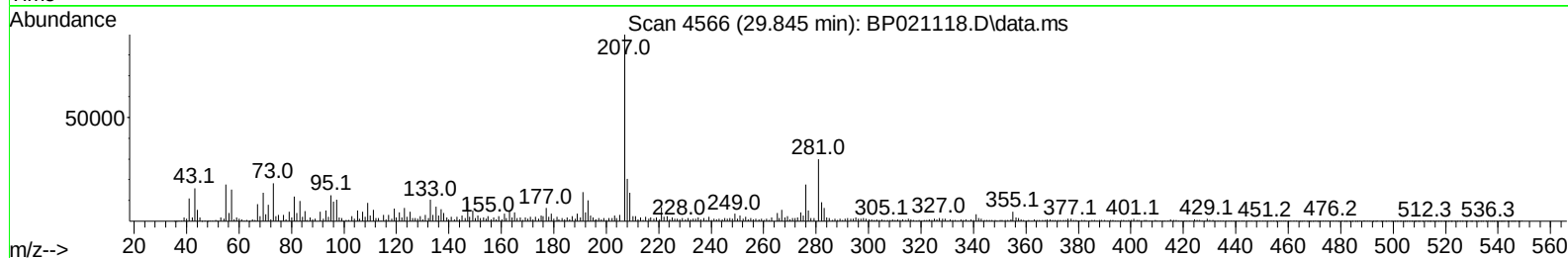
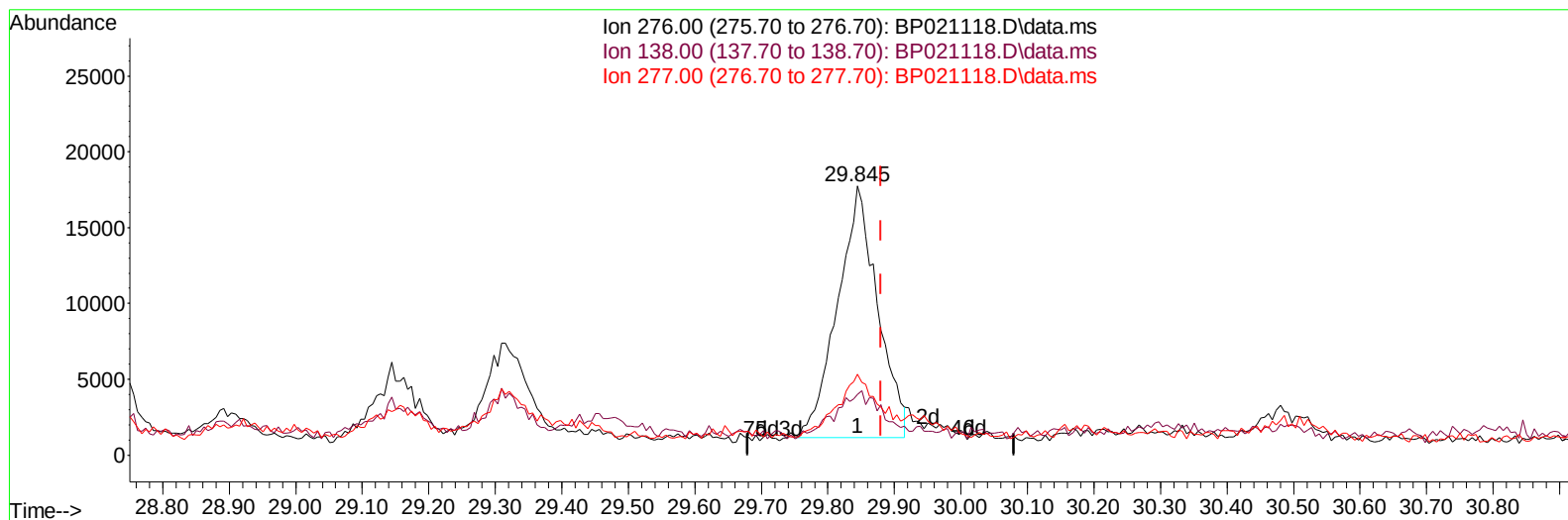
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(96) Benzo(g,h,i)perylene

29.845min (-0.035) 1.00 ng/u1

response 69201

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.10  | 22.49  |
| 277.00 | 22.70  | 29.97# |
| 0.00   | 0.00   | 0.00   |

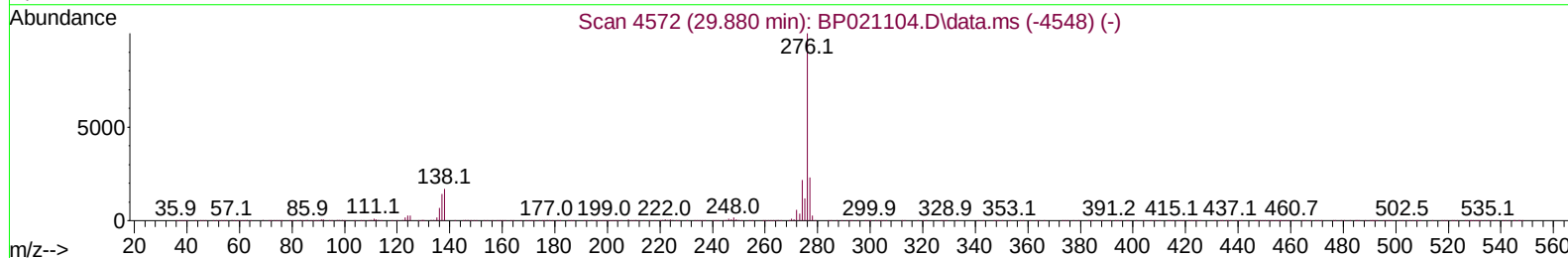
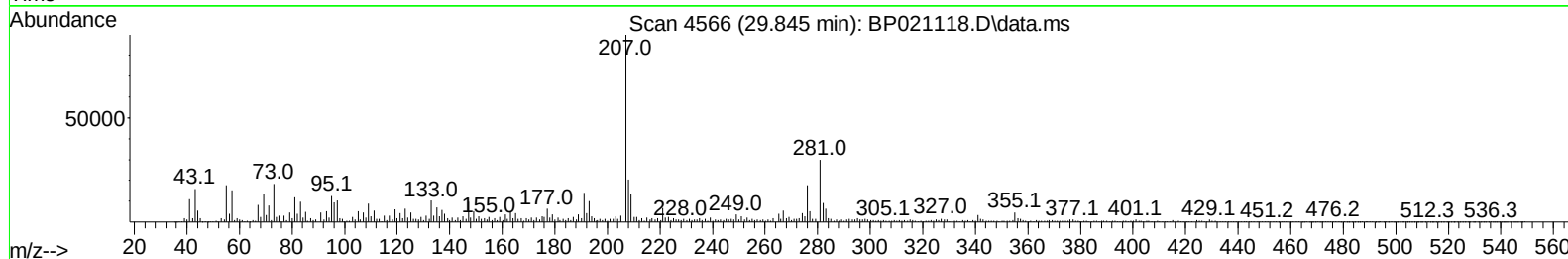
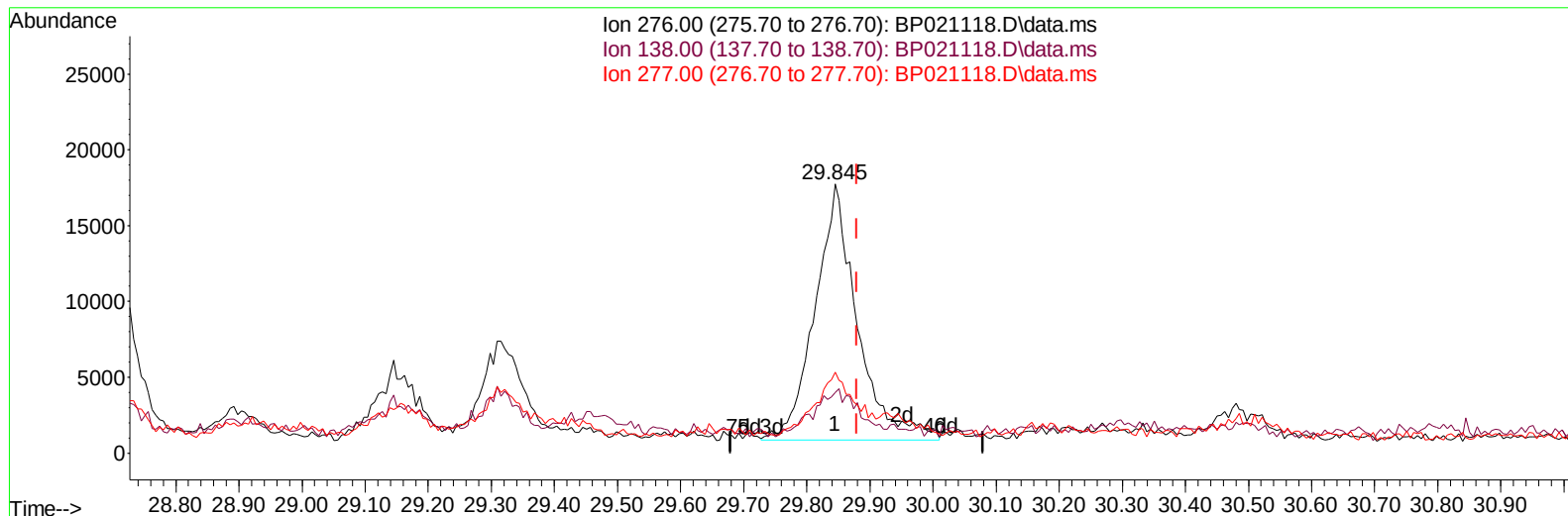
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:20:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021118.D\data.ms

(96) Benzo(g,h,i)perylene

29.845min (-0.035) 1.14 ng/u1 m

response 78407

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.10  | 22.49  |
| 277.00 | 22.70  | 29.97# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
 Data File : BP021118.D  
 Acq On : 24 Jul 2024 04:43  
 Operator : MA/JU  
 Sample : P3238-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BZ5

Manual IntegrationsAPPROVED

Quant Time: Jul 24 06:27:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 00:21:57 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/25/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.664  | 152  | 149913   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.434 | 136  | 624809   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.298 | 164  | 430070   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.122 | 188  | 991441   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 950015   | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.880 | 264  | 1144354  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 8977     | 2.725  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 6.893  | 99   | 163755   | 13.398 | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.016  | 67   | 109149   | 14.736 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.228  | 132  | 148684   | 14.765 | ng/ul  | 0.02     |
| 15) 4-Methylphenol-d8         | 8.405  | 113  | 116312   | 11.458 | ng/ul  | 0.02     |
| 21) Nitrobenzene-d5           | 8.822  | 128  | 73826    | 15.213 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 83872    | 15.100 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 144589   | 14.396 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 58416m   | 4.390  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.710 | 166  | 495593   | 15.852 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.993 | 160  | 577693   | 16.456 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.616 | 143  | 50937m   | 11.451 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.322 | 176  | 455334   | 17.753 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.487 | 200  | 30023    | 5.005  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.222 | 188  | 725347   | 16.472 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 821229   | 13.982 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.651 | 264  | 697735   | 12.363 | ng/ul  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 61) Fluorene                  | 15.375 | 166  | 31581    | 1.071  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.163 | 178  | 582454   | 11.325 | ng/ul  | 100      |
| 74) Anthracene                | 17.257 | 178  | 117839   | 2.247  | ng/ul  | 98       |
| 77) Carbazole                 | 17.557 | 167  | 73149    | 1.707  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.251 | 202  | 1458666  | 20.565 | ng/ul  | 100      |
| 82) Pyrene                    | 19.628 | 202  | 1050410  | 14.553 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 604594   | 9.085  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 327046   | 7.557  | ng/ul  | 98       |
| 87) Chrysene                  | 21.610 | 228  | 733867   | 11.868 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.833 | 252  | 1037834  | 14.945 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 23.892 | 252  | 361346m  | 5.214  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.721 | 252  | 409055   | 6.233  | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.657 | 276  | 422385   | 4.995  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.680 | 278  | 147159m  | 2.102  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.845 | 276  | 78407m   | 1.138  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021118.D  
Acq On : 24 Jul 2024 04:43  
Operator : MA/JU  
Sample : P3238-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4BZ5

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 06:27:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration

