

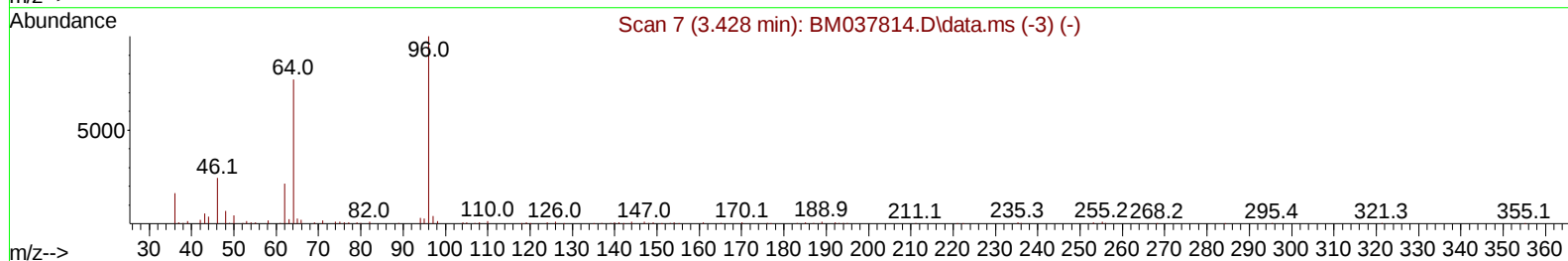
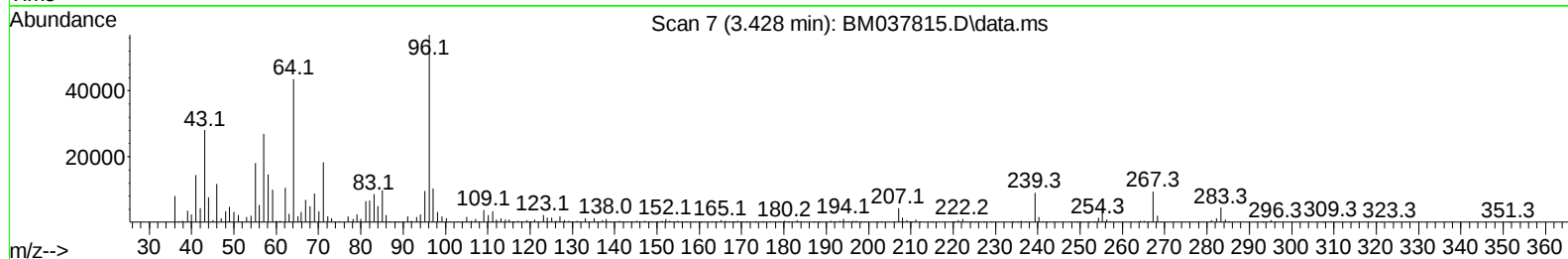
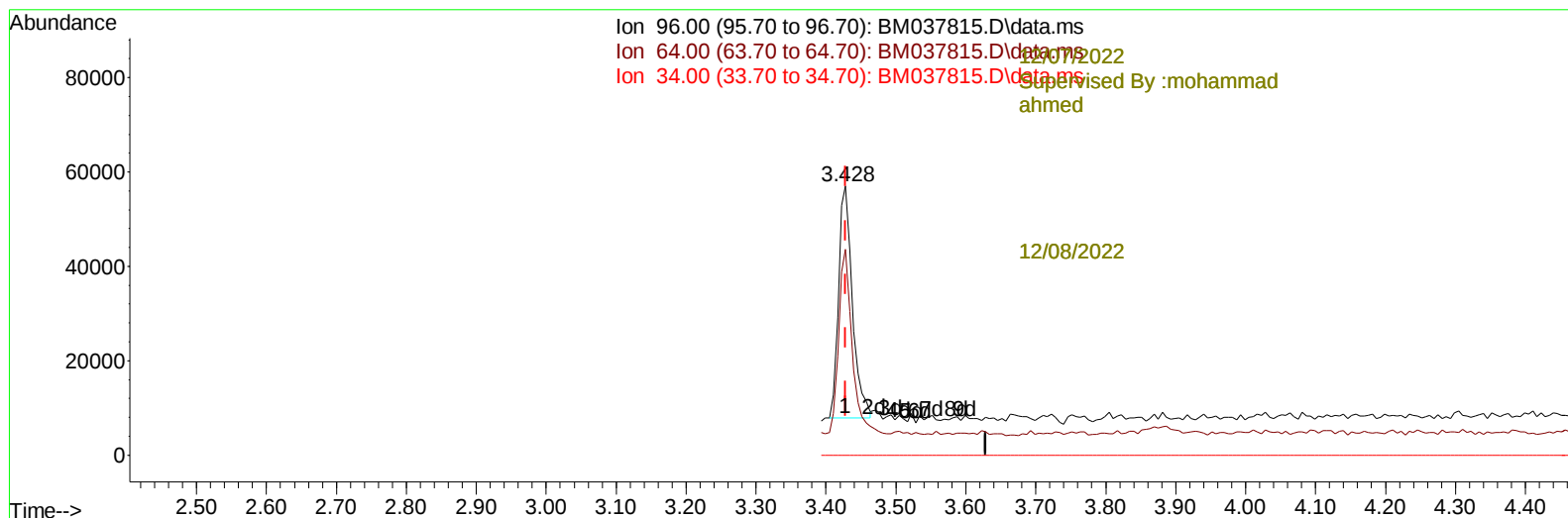
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST040099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay



TIC: BM037815.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.428min (-0.000) 13.82 ng/uL**

**response 68262**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 82.40  | 76.44  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

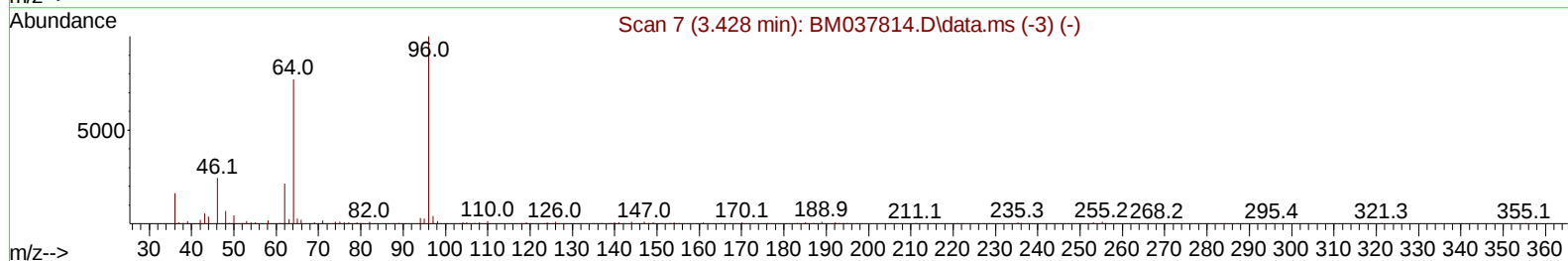
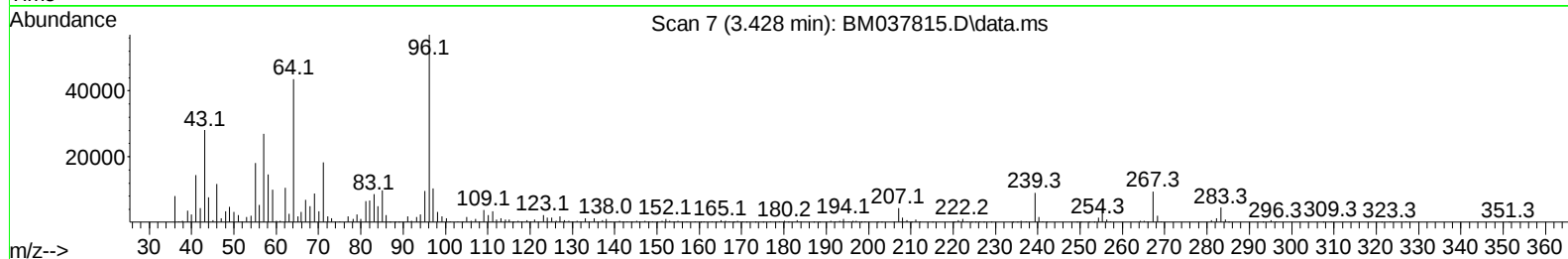
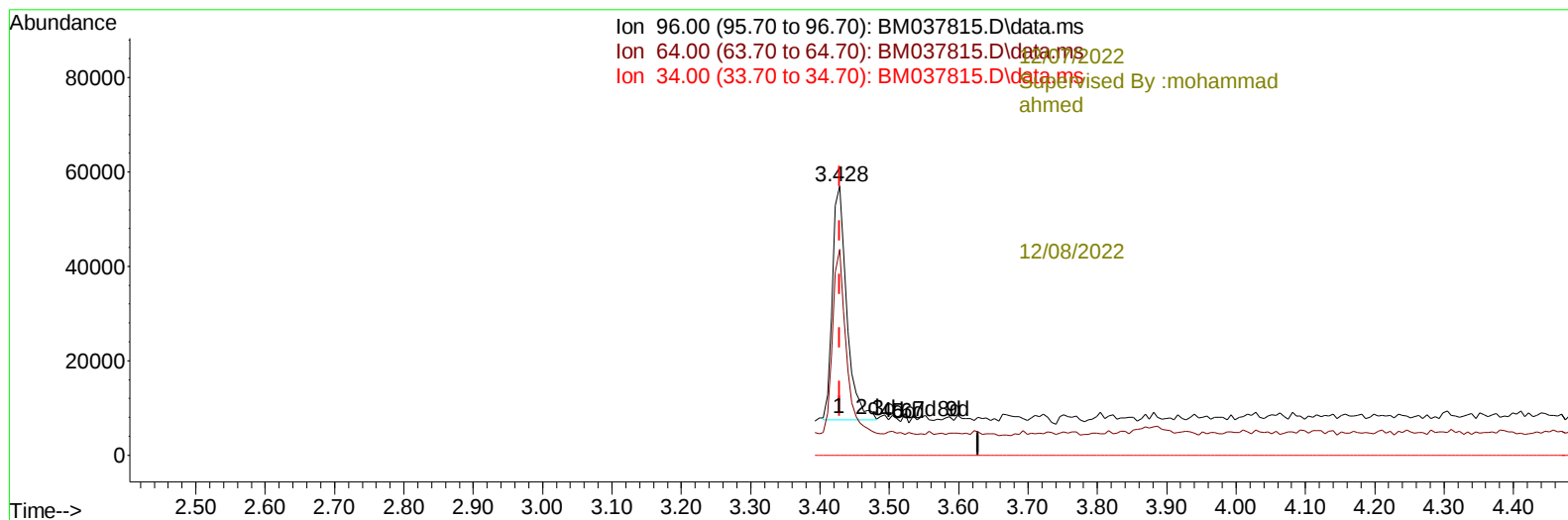
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SSTD04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD040001

Manual IntegrationsAPPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration



TIC: BM037815.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

3.428min (-0.000) 14.45 ng/uL m

response 71375

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 82.40  | 76.44  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

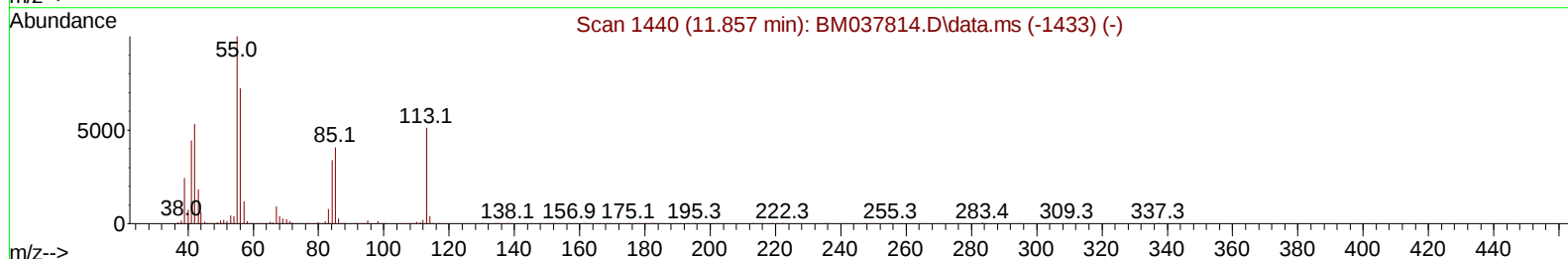
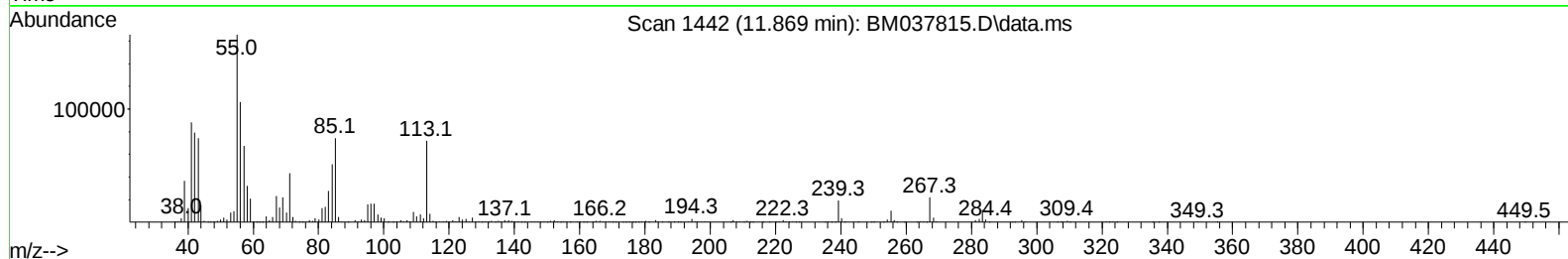
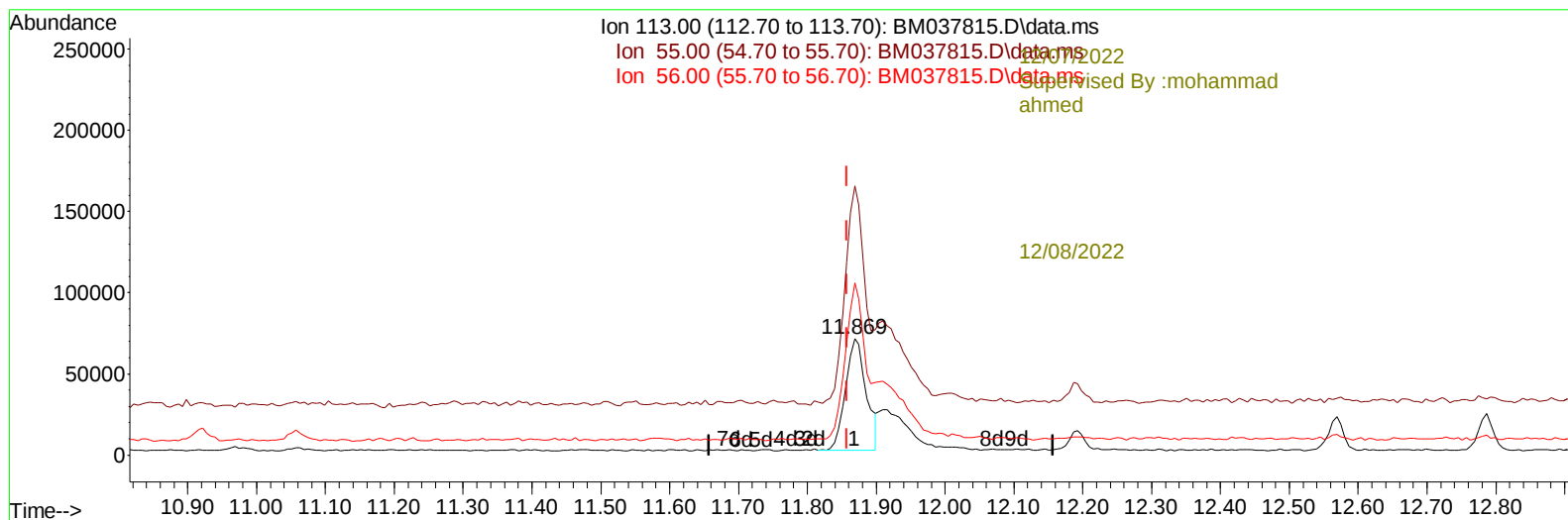
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 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay



TIC: BM037815.D\data.ms

(34) Caprolactam

11.869min (+ 0.011) 24.91 ng/ul

response 143776

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 232.70 | 230.42 |
| 56.00  | 149.80 | 147.60 |
| 0.00   | 0.00   | 0.00   |

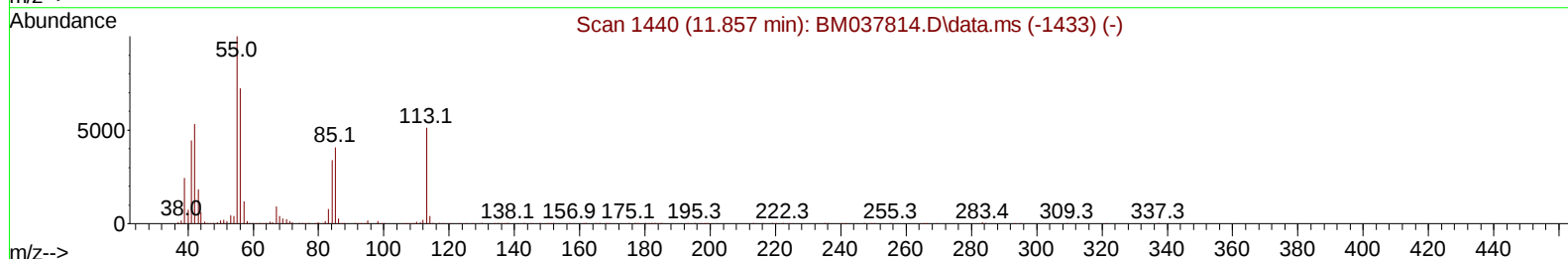
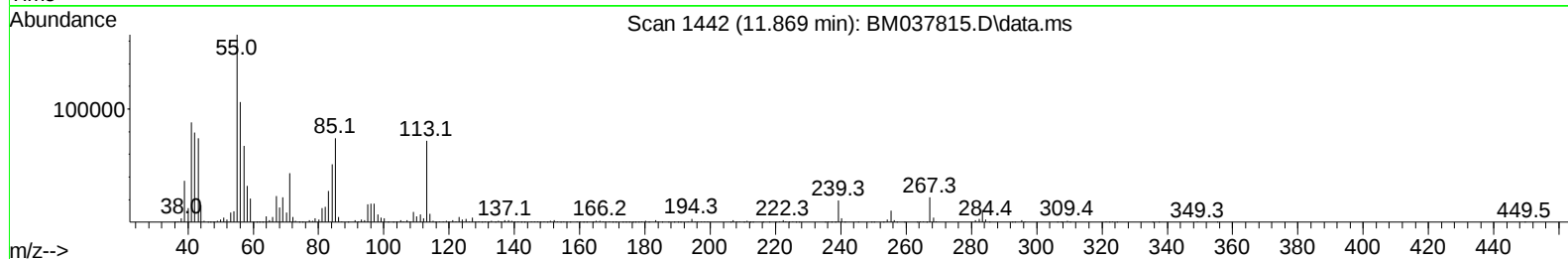
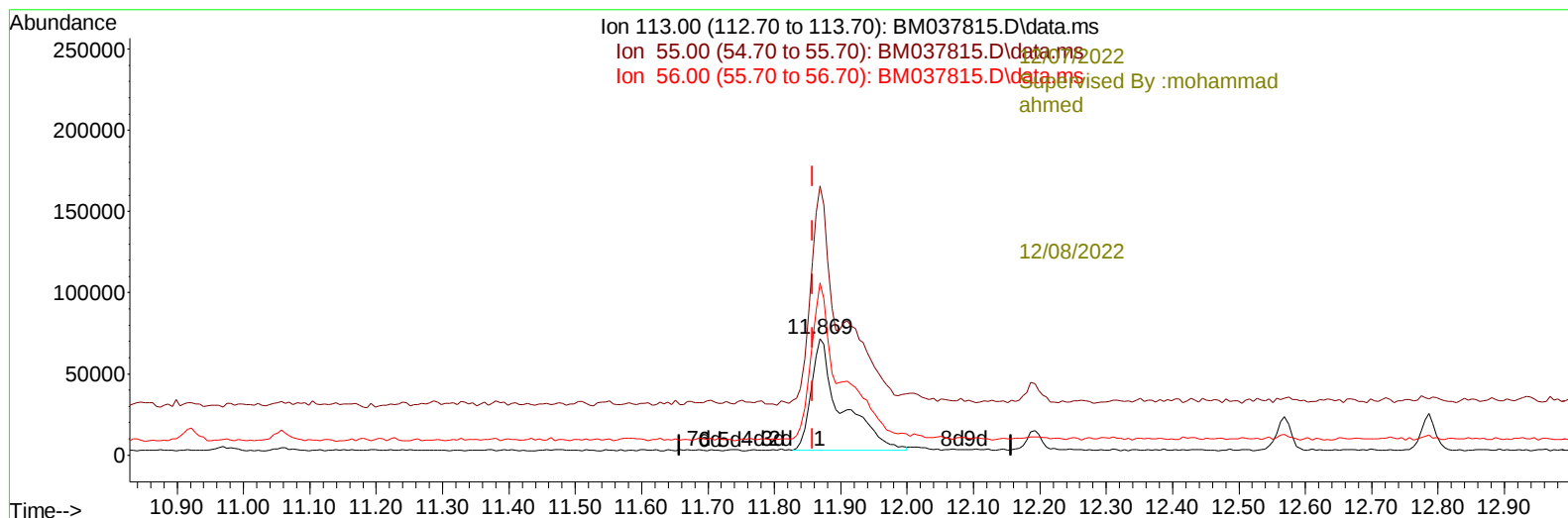
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SSTD04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay



TIC: BM037815.D\data.ms

(34) Caprolactam

11.869min (+ 0.011) 38.01 ng/ul m

response 219379

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 232.70 | 230.42 |
| 56.00  | 149.80 | 147.60 |
| 0.00   | 0.00   | 0.00   |

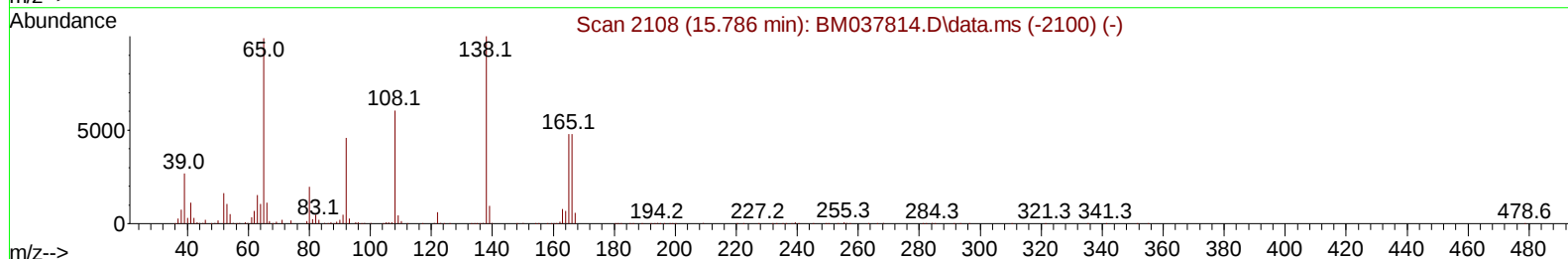
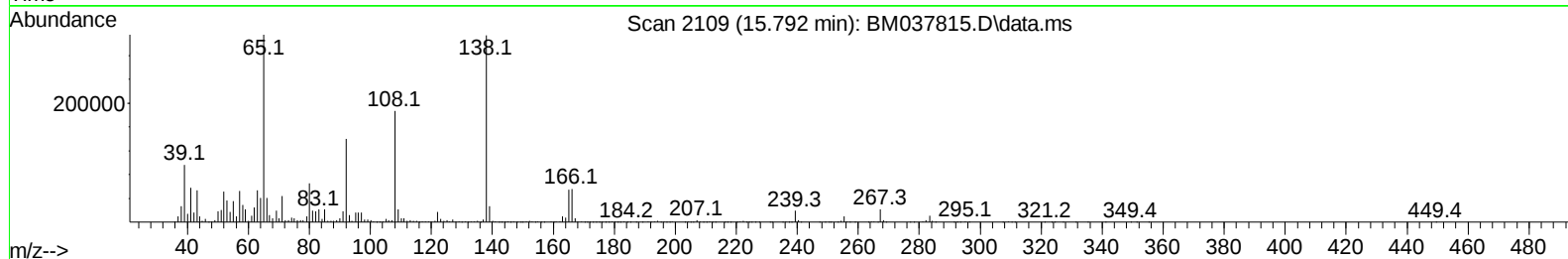
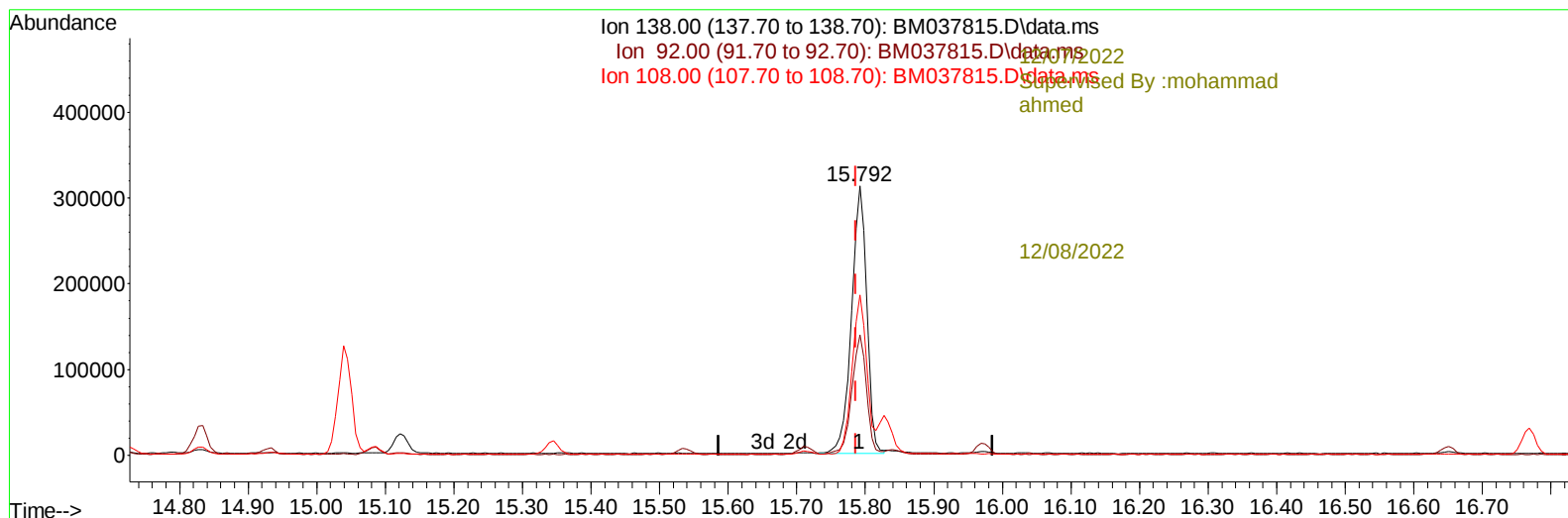
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay



TIC: BM037815.D\data.ms

**(63) 4-Nitroaniline**

**15.792min (+ 0.006) 45.23 ng/ul**

**response 481243**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 45.70  | 44.62  |
| 108.00 | 60.20  | 59.62  |
| 0.00   | 0.00   | 0.00   |

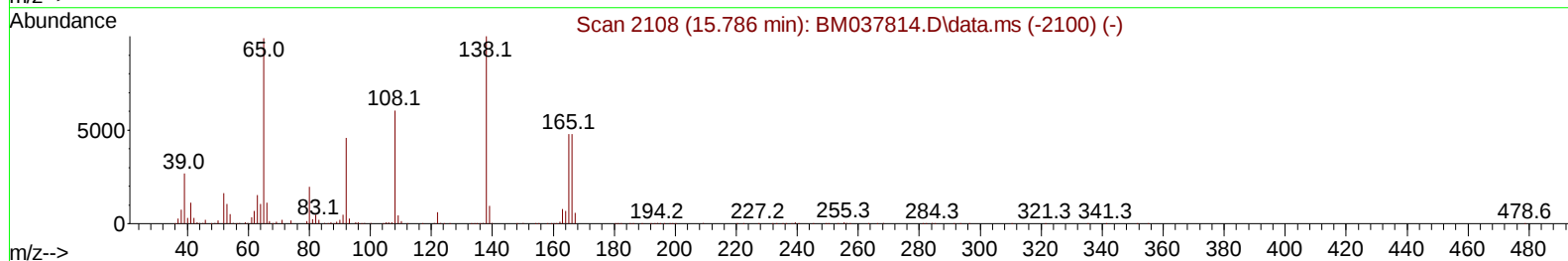
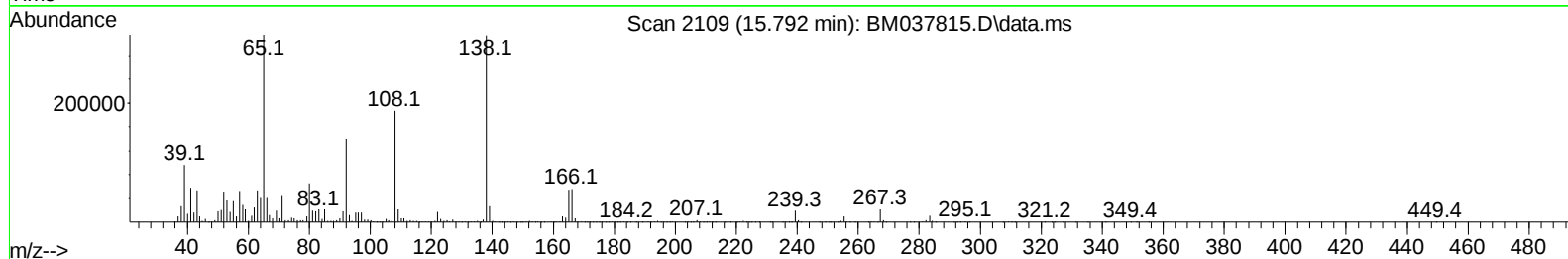
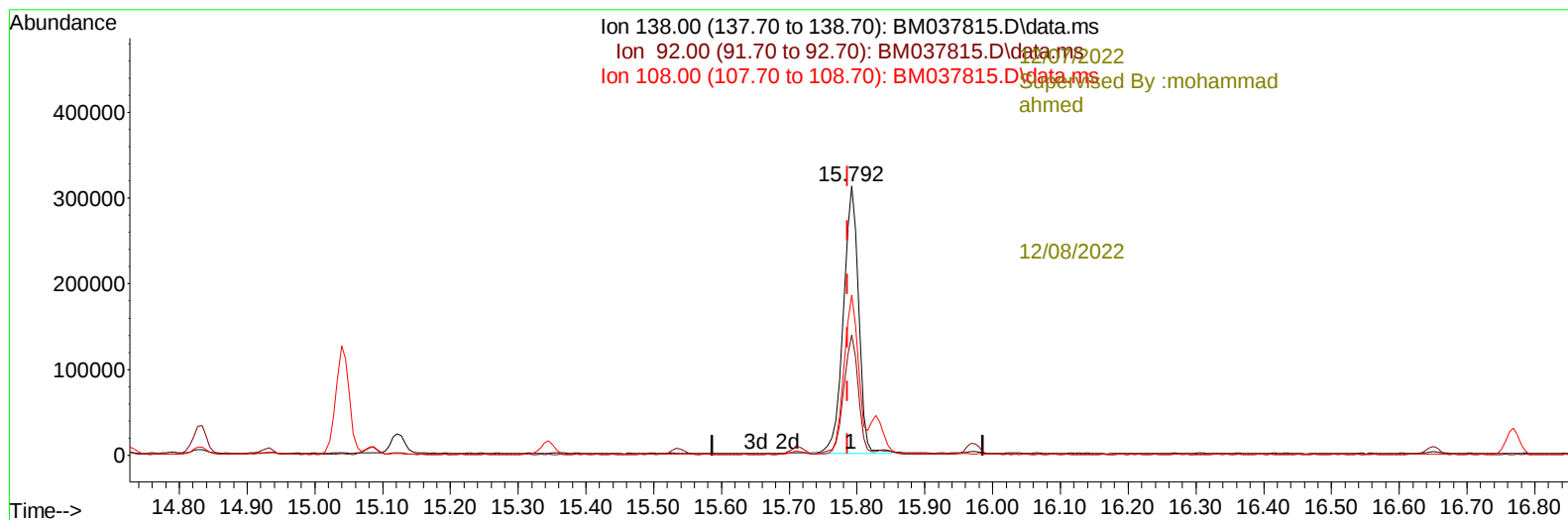
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay



TIC: BM037815.D\data.ms

**(63) 4-Nitroaniline**

**15.792min (+ 0.006) 45.68 ng/ul m**

**response 486027**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 45.70  | 44.62  |
| 108.00 | 60.20  | 59.62  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120122\  
 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST04099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040001

Manual IntegrationsAPPROVED

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay

| Compound                        | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|---------------------------------|--------|------|----------|--------|--------|----------|
| -----12/07/2022                 |        |      |          |        |        |          |
| Supervised By :mohammad ali med |        |      |          |        |        |          |
| Internal Standards              |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4       | 8.098  | 152  | 204880   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8              | 10.922 | 136  | 958305   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10            | 14.727 | 164  | 634576   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10            | 17.463 | 188  | 1367303  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12                | 21.633 | 240  | 1394703  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12                | 24.121 | 264  | 1449018  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds     |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8               | 3.428  | 96   | 71375m   | 14.448 | ng/uL  | 0.00     |
| 4) Pyridine-d5                  | 3.863  | 84   | 584018   | 36.318 | ng/ul  | 0.00     |
| 7) Phenol-d5                    | 7.251  | 99   | 750813   | 36.733 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...    | 7.422  | 67   | 445239   | 32.654 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4           | 7.622  | 132  | 585910   | 41.253 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8           | 8.810  | 113  | 600179   | 36.899 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5             | 9.269  | 128  | 323422   | 43.050 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4            | 9.998  | 143  | 341149   | 46.085 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3       | 10.534 | 165  | 618146   | 45.630 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4          | 11.057 | 131  | 916704   | 40.780 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6        | 14.133 | 166  | 1830168  | 40.717 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8           | 14.422 | 160  | 2215212  | 41.754 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4            | 14.916 | 143  | 372877   | 37.661 | ng/ul  | 0.00     |
| 60) Fluorene-d10                | 15.716 | 176  | 1651395  | 41.950 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph...   | 15.827 | 200  | 300555   | 40.862 | ng/ul  | 0.00     |
| 73) Anthracene-d10              | 17.563 | 188  | 2618256  | 40.949 | ng/ul  | 0.00     |
| 81) Pyrene-d10                  | 19.845 | 212  | 3012382  | 42.503 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12          | 23.962 | 264  | 3042048  | 40.786 | ng/ul  | 0.00     |
| Target Compounds                |        |      |          |        |        |          |
|                                 |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                  | 3.463  | 88   | 75381    | 13.879 | ng/ul# | 83       |
| 5) Pyridine                     | 3.881  | 79   | 565189   | 34.565 | ng/ul  | 99       |
| 6) Benzaldehyde                 | 7.228  | 77   | 406638   | 37.904 | ng/ul  | 97       |
| 8) Phenol                       | 7.275  | 94   | 763249   | 35.624 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether     | 7.516  | 93   | 615260   | 35.422 | ng/ul  | 98       |
| 12) 2-Chlorophenol              | 7.657  | 128  | 631545   | 40.704 | ng/ul  | 98       |
| 13) 2-Methylphenol              | 8.540  | 108  | 612262   | 37.459 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr...   | 8.634  | 45   | 1145753  | 36.519 | ng/ul  | 99       |
| 16) Acetophenone                | 8.934  | 105  | 958102   | 35.783 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla...   | 8.922  | 70   | 490493   | 31.255 | ng/ul  | 99       |
| 18) 4-Methylphenol              | 8.875  | 108  | 664556   | 36.801 | ng/ul  | 97       |
| 19) Hexachloroethane            | 9.187  | 117  | 238361   | 35.521 | ng/ul  | 96       |
| 22) Nitrobenzene                | 9.316  | 77   | 673629   | 32.885 | ng/ul  | 99       |
| 23) Isophorone                  | 9.845  | 82   | 1435628  | 34.773 | ng/ul  | 99       |
| 25) 2-Nitrophenol               | 10.028 | 139  | 368382   | 43.999 | ng/ul  | 99       |
| 26) 2,4-Dimethylphenol          | 10.081 | 107  | 690739   | 37.566 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met...   | 10.322 | 93   | 855554   | 36.124 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol          | 10.563 | 162  | 630094   | 45.465 | ng/ul  | 97       |
| 30) Naphthalene                 | 10.975 | 128  | 2176483  | 41.537 | ng/ul  | 100      |
| 32) 4-Chloroaniline             | 11.081 | 127  | 929245   | 39.667 | ng/ul  | 96       |
| 33) Hexachlorobutadiene         | 11.251 | 225  | 379707   | 52.191 | ng/ul  | 98       |
| 34) Caprolactam                 | 11.869 | 113  | 219379m  | 38.008 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol     | 12.192 | 107  | 655728   | 37.014 | ng/ul  | 98       |

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 Data File : BM037815.D  
 Acq On : 01 Dec 2022 18:15  
 Operator : CG/JU  
 Sample : SST040099  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD040001

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Dec 02 00:18:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 00:13:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.569 | 142  | 1507298  | 41.410 | ng/ul | 98       |
| 37) 1-Methylnaphthalene       | 12.786 | 142  | 1497356  | 40.891 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.933 | 216  | 761151   | 48.849 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.910 | 237  | 417359   | 43.013 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.169 | 196  | 511954   | 45.628 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.239 | 196  | 544907   | 45.390 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.569 | 154  | 1915865  | 39.758 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.610 | 162  | 1514663  | 40.440 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.816 | 65   | 443052   | 31.201 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.180 | 163  | 1897518  | 39.715 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.304 | 165  | 399088   | 43.257 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.451 | 152  | 2463697  | 41.082 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.633 | 138  | 464557   | 41.497 | ng/ul | 97       |
| 52) Acenaphthene              | 14.792 | 153  | 1698830  | 39.610 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.833 | 184  | 215633   | 39.836 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.933 | 109  | 226228   | 25.498 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.122 | 168  | 2286374  | 40.844 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.086 | 165  | 553289   | 40.870 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 480721   | 48.805 | ng/ul | 95       |
| 59) Diethylphthalate          | 15.539 | 149  | 1950481  | 37.824 | ng/ul | 99       |
| 61) Fluorene                  | 15.769 | 166  | 1934627  | 39.896 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.757 | 204  | 924159   | 43.688 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.792 | 138  | 486027m  | 45.679 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.845 | 198  | 310989   | 39.838 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.974 | 169  | 1645089  | 38.723 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.651 | 248  | 583323   | 53.040 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.768 | 284  | 680928   | 48.209 | ng/ul | 99       |
| 70) Atrazine                  | 16.921 | 200  | 585778   | 40.622 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.110 | 266  | 430602   | 46.043 | ng/ul | 99       |
| 72) Phenanthrene              | 17.510 | 178  | 3100232  | 38.707 | ng/ul | 99       |
| 74) Anthracene                | 17.598 | 178  | 3156329  | 38.816 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.533 | 216  | 771835   | 47.187 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 15.045 | 250  | 841778   | 48.387 | ng/uL | 99       |
| 77) Carbazole                 | 17.868 | 167  | 2974359  | 38.474 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.415 | 149  | 3663081  | 32.733 | ng/ul | 100      |
| 80) Fluoranthene              | 19.509 | 202  | 3674405  | 40.584 | ng/ul | 99       |
| 82) Pyrene                    | 19.874 | 202  | 3806228  | 39.802 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.756 | 149  | 1671646  | 37.525 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.545 | 252  | 1294791  | 46.225 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.615 | 228  | 3747280  | 40.162 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.527 | 149  | 2532808  | 37.632 | ng/ul | 99       |
| 87) Chrysene                  | 21.674 | 228  | 3498100  | 39.840 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.480 | 149  | 4516956  | 36.492 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.356 | 252  | 3933484  | 39.931 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.409 | 252  | 3721359  | 38.738 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.015 | 252  | 3400505  | 39.718 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.727 | 276  | 3886631  | 39.570 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.744 | 278  | 3535904  | 40.095 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.538 | 276  | 3374519  | 39.454 | ng/ul | 99       |

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

**Instrument :**

BNA\_M

**ClientSampleId :**

SSTD040001

**Manual IntegrationsAPPROVED**

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12/07/2022

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12/08/2022

