

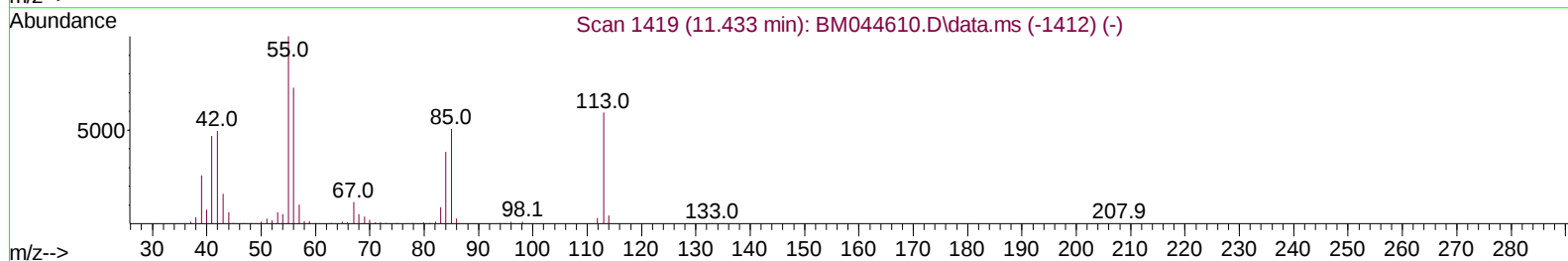
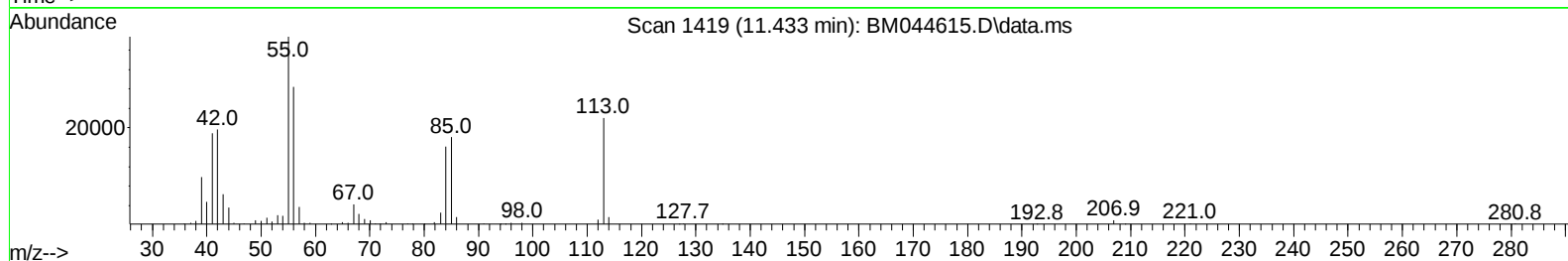
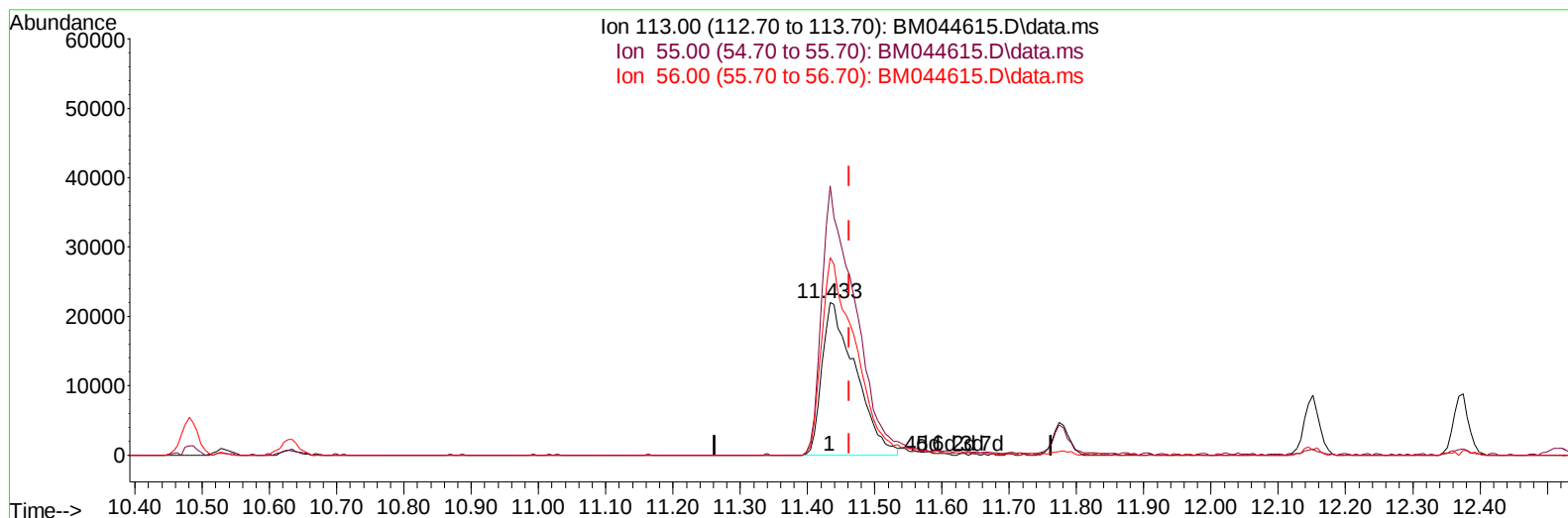
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:47:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024



TIC: BM044615.D\data.ms

**(34) Caprolactam**

**11.433min (-0.029) 16.38 ng/ul**

**response 75883**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.40 | 176.45 |
| 56.00  | 127.70 | 129.41 |
| 0.00   | 0.00   | 0.00   |

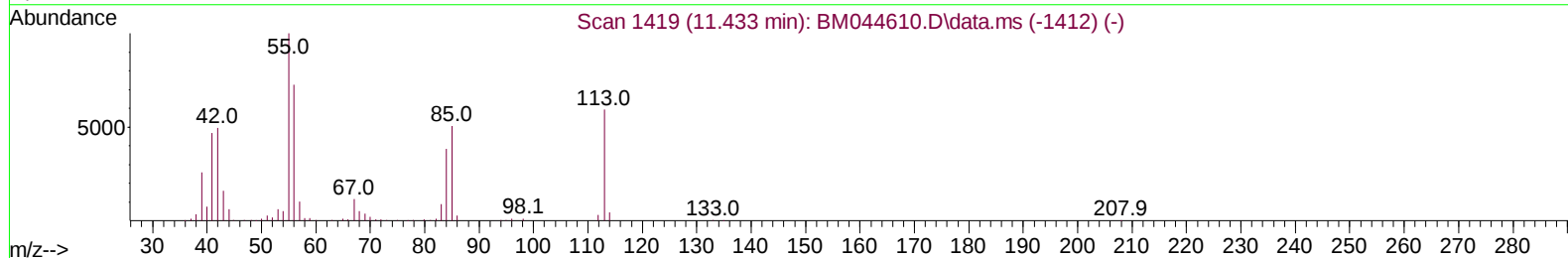
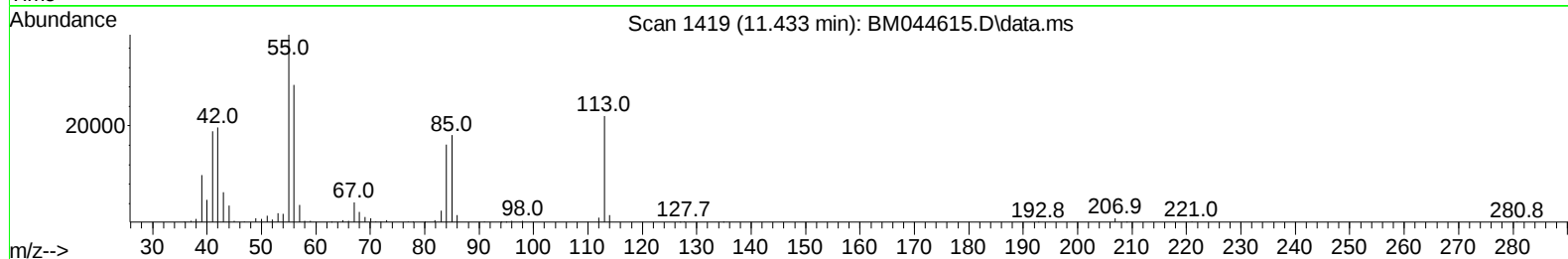
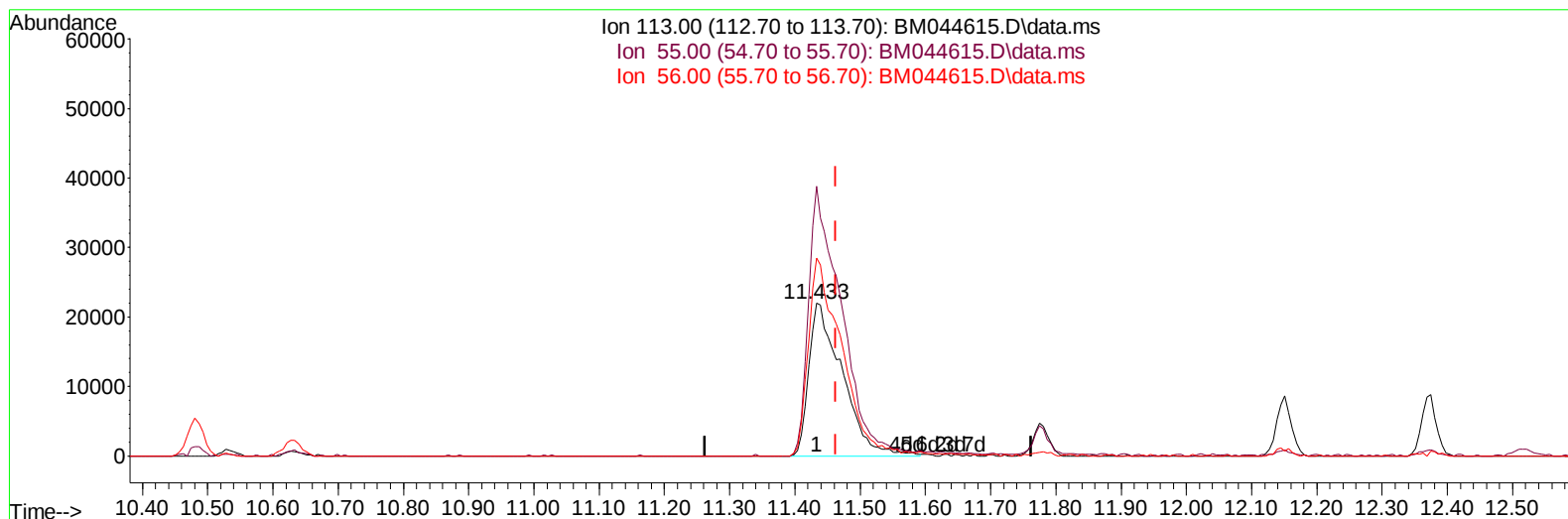
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:47:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024



TIC: BM044615.D\data.ms

**(34) Caprolactam**

11.433min (-0.029) 16.79 ng/ul m

response 77765

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.40 | 176.45 |
| 56.00  | 127.70 | 129.41 |
| 0.00   | 0.00   | 0.00   |

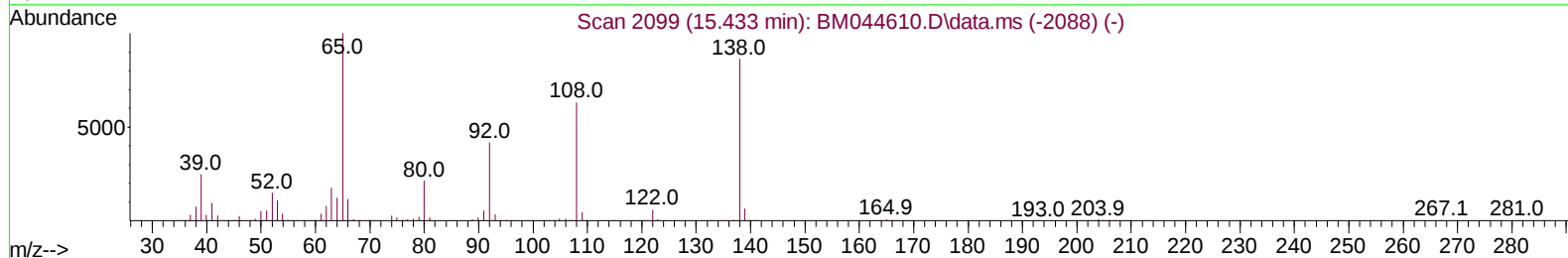
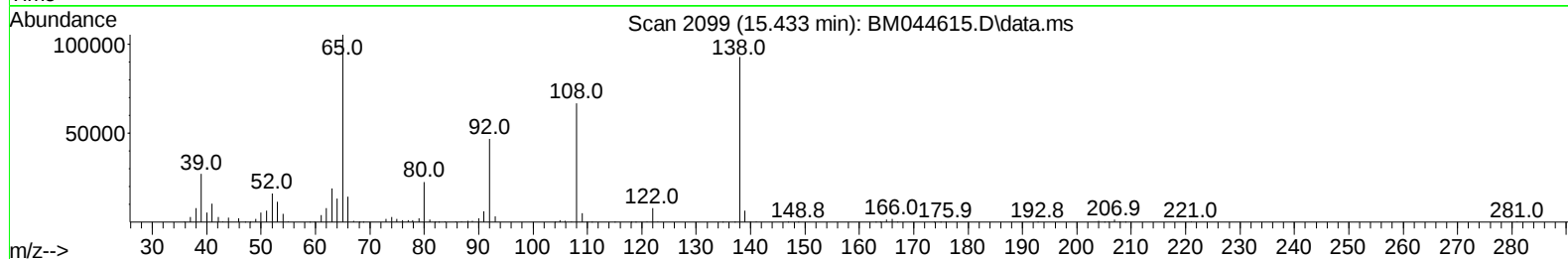
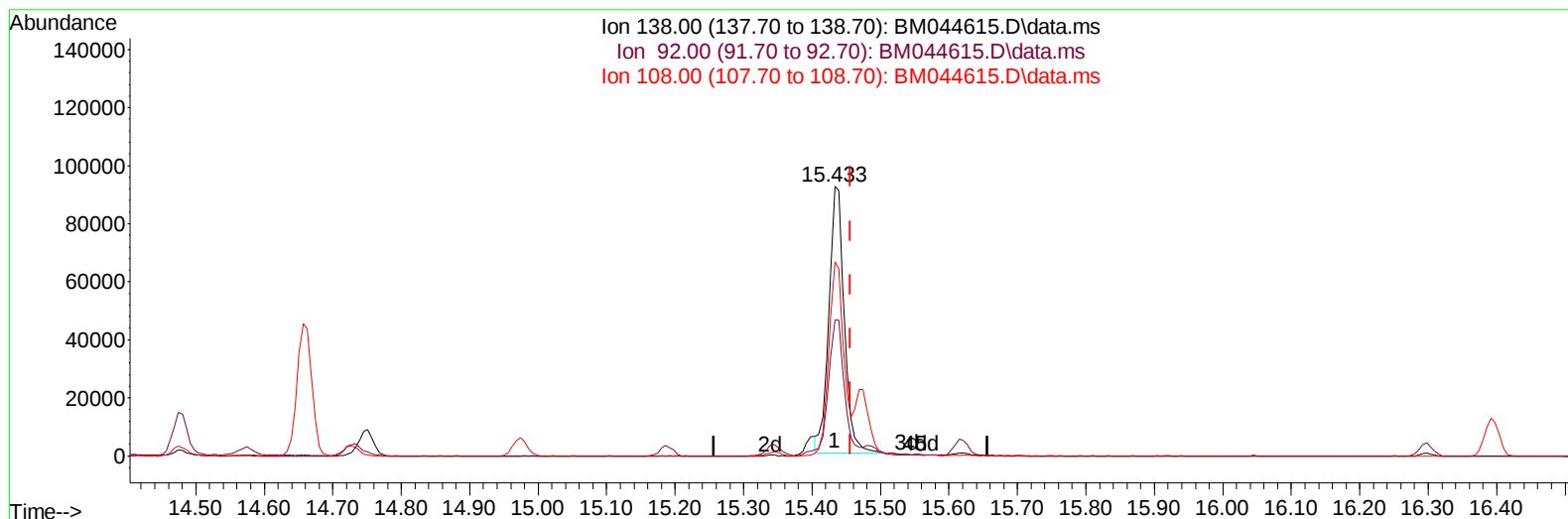
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:47:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024



TIC: BM044615.D\data.ms

**(63) 4-Nitroaniline**

**15.433min (-0.023) 18.78 ng/ul**

**response 143282**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.80  | 50.56  |
| 108.00 | 68.30  | 72.11  |
| 0.00   | 0.00   | 0.00   |

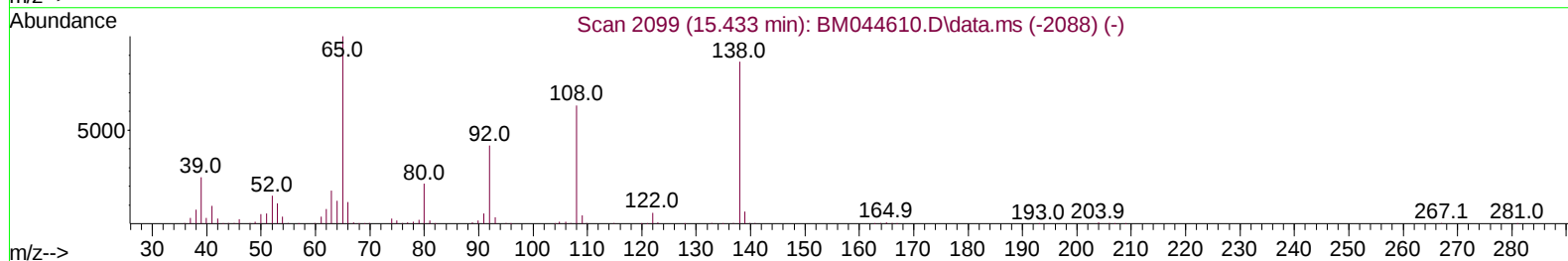
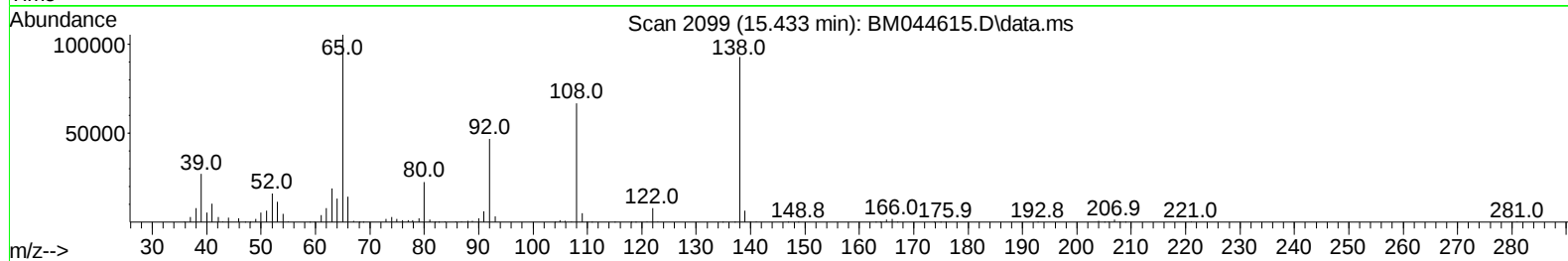
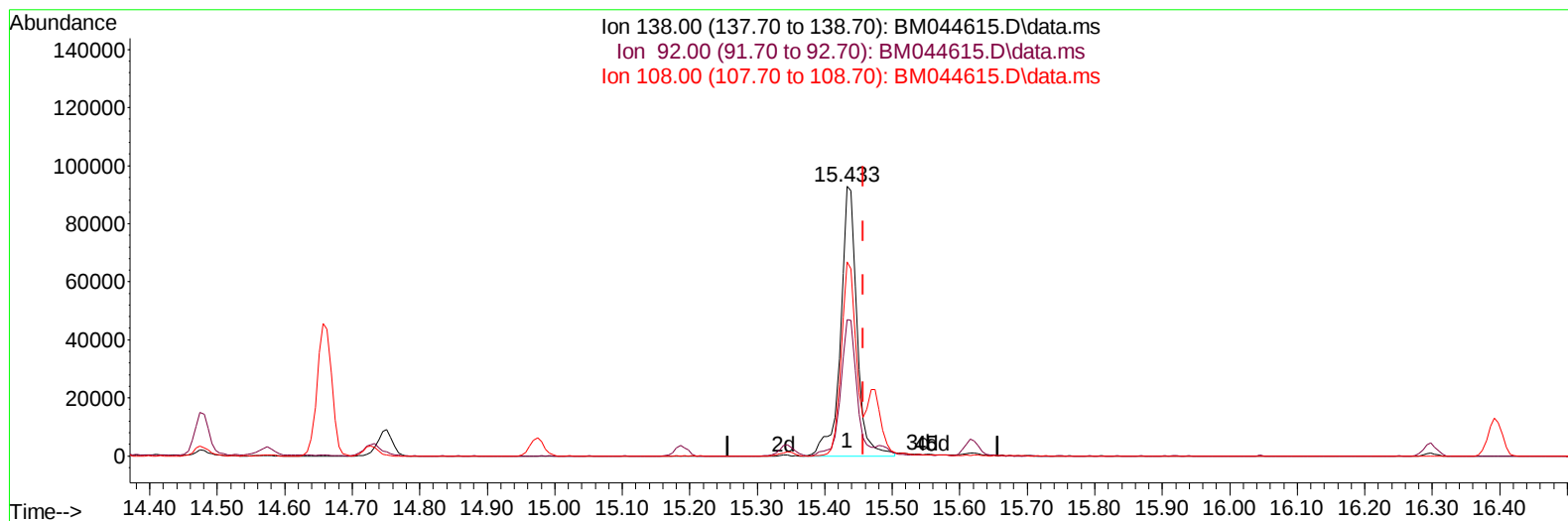
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:47:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024



TIC: BM044615.D\data.ms

**(63) 4-Nitroaniline**

**15.433min (-0.023) 20.51 ng/ul m**

**response 156478**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.80  | 50.56  |
| 108.00 | 68.30  | 72.11  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:49:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.704  | 152  | 186404   | 20.000 | ng/ul  | -0.03    |
| 20) Naphthalene-d8            | 10.481 | 136  | 771217   | 20.000 | ng/ul  | -0.04    |
| 38) Acenaphthene-d10          | 14.345 | 164  | 463508   | 20.000 | ng/ul  | -0.02    |
| 64) Phenanthrene-d10          | 17.104 | 188  | 950133   | 20.000 | ng/ul  | -0.02    |
| 79) Chrysene-d12              | 21.298 | 240  | 885659   | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 23.544 | 264  | 1023735  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 41861    | 7.617  | ng/uL  | -0.03    |
| 4) Pyridine-d5                | 3.658  | 84   | 278624   | 17.224 | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 6.875  | 99   | 337473   | 17.609 | ng/ul  | -0.03    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.051  | 67   | 214127   | 18.089 | ng/ul  | -0.03    |
| 11) 2-Chlorophenol-d4         | 7.234  | 132  | 267552   | 18.998 | ng/ul  | -0.04    |
| 15) 4-Methylphenol-d8         | 8.404  | 113  | 260928   | 17.337 | ng/ul  | -0.04    |
| 21) Nitrobenzene-d5           | 8.863  | 128  | 132100   | 20.341 | ng/ul  | -0.03    |
| 24) 2-Nitrophenol-d4          | 9.575  | 143  | 139532   | 19.931 | ng/ul  | -0.03    |
| 28) 2,4-Dichlorophenol-d3     | 10.104 | 165  | 245734   | 20.624 | ng/ul  | -0.04    |
| 31) 4-Chloroaniline-d4        | 10.628 | 131  | 377799   | 19.092 | ng/ul  | -0.04    |
| 46) Dimethylphthalate-d6      | 13.769 | 166  | 727491   | 20.008 | ng/ul  | -0.02    |
| 49) Acenaphthylene-d8         | 14.039 | 160  | 813684   | 19.568 | ng/ul  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 144537   | 19.169 | ng/ul  | -0.02    |
| 60) Fluorene-d10              | 15.345 | 176  | 614193   | 20.102 | ng/ul  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.474 | 200  | 119344   | 19.350 | ng/ul  | -0.02    |
| 73) Anthracene-d10            | 17.198 | 188  | 940744   | 20.714 | ng/ul  | -0.02    |
| 81) Pyrene-d10                | 19.498 | 212  | 1072143  | 19.737 | ng/ul  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 23.403 | 264  | 1089142  | 20.241 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 42532    | 7.475  | ng/uL  | 97       |
| 5) Pyridine                   | 3.675  | 79   | 288611   | 17.202 | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.863  | 77   | 186684   | 22.364 | ng/ul  | 98       |
| 8) Phenol                     | 6.898  | 94   | 348423   | 17.814 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.146  | 93   | 287510   | 17.902 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.269  | 128  | 277974   | 19.136 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.140  | 108  | 259133   | 17.459 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.228  | 45   | 408314   | 19.251 | ng/ul  | 98       |
| 16) Acetophenone              | 8.528  | 105  | 417918   | 17.904 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.510  | 70   | 216556   | 17.956 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.469  | 108  | 280816   | 17.381 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.763  | 117  | 117179   | 19.693 | ng/ul  | 92       |
| 22) Nitrobenzene              | 8.904  | 77   | 315362   | 20.477 | ng/ul  | 98       |
| 23) Isophorone                | 9.428  | 82   | 601160   | 19.132 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.604  | 139  | 151052   | 19.791 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.663  | 107  | 277665   | 19.994 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.910  | 93   | 385343   | 19.500 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.134 | 162  | 244769   | 20.577 | ng/ul  | 99       |
| 30) Naphthalene               | 10.534 | 128  | 891854   | 20.418 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.651 | 127  | 369596   | 19.374 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.804 | 225  | 145832   | 21.873 | ng/ul  | 98       |
| 34) Caprolactam               | 11.433 | 113  | 77765m   | 16.787 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.775 | 107  | 264422   | 19.169 | ng/ul  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031424\  
 Data File : BM044615.D  
 Acq On : 14 Mar 2024 16:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 14 16:49:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 03/14/2024  
 Supervised By :mohammad ahmed 03/15/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.151 | 142  | 585210   | 20.147 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 573053   | 19.999 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.516 | 216  | 276253   | 20.949 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.486 | 237  | 176477   | 20.161 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.769 | 196  | 182179   | 19.707 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.839 | 196  | 198131   | 19.999 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.175 | 154  | 746354   | 20.278 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.216 | 162  | 579081   | 20.049 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.433 | 65   | 176459   | 19.460 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.816 | 163  | 736910   | 19.917 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.939 | 165  | 144152   | 19.506 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.069 | 152  | 978464   | 20.189 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.269 | 138  | 151438   | 18.972 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.410 | 153  | 639606   | 20.075 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.480 | 184  | 78575    | 16.622 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.574 | 109  | 102144   | 19.334 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.751 | 168  | 863537   | 20.376 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.727 | 165  | 207374   | 19.439 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.974 | 232  | 165773   | 20.220 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.186 | 149  | 766407   | 19.960 | ng/ul  | 99       |
| 61) Fluorene                  | 15.398 | 166  | 704700   | 20.331 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 334797   | 20.811 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.433 | 138  | 156478m  | 20.510 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 133986   | 20.330 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.621 | 169  | 593520   | 20.741 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.298 | 248  | 205517   | 21.626 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 234682   | 21.681 | ng/ul  | 95       |
| 70) Atrazine                  | 16.580 | 200  | 204082   | 21.824 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.745 | 266  | 144967   | 20.282 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.145 | 178  | 1116639  | 20.717 | ng/ul  | 100      |
| 74) Anthracene                | 17.233 | 178  | 1142885  | 20.967 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.133 | 216  | 270956   | 21.351 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.663 | 250  | 263730   | 21.495 | ng/uL  | 99       |
| 77) Carbazole                 | 17.515 | 167  | 1060078  | 20.696 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.086 | 149  | 1420149  | 20.612 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.162 | 202  | 1286949  | 19.894 | ng/ul  | 99       |
| 82) Pyrene                    | 19.527 | 202  | 1349002  | 20.030 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.451 | 149  | 636682   | 19.226 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.227 | 252  | 434815   | 22.696 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 1340403  | 20.154 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.233 | 149  | 1004139  | 20.796 | ng/ul# | 99       |
| 87) Chrysene                  | 21.333 | 228  | 1248650  | 20.278 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.121 | 149  | 1751632  | 19.119 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.868 | 252  | 1326077  | 19.358 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.915 | 252  | 1350207  | 20.125 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.450 | 252  | 1270818  | 19.832 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.821 | 276  | 1573721  | 21.896 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.838 | 278  | 1329364  | 22.183 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.509 | 276  | 1265994  | 22.073 | ng/ul  | 100      |

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

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/14/2024  
Supervised By :mohammad ahmed 03/15/2024

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTDCCC020EC

Reviewed By :Jagrut Upadhyay 03/14/2024  
Supervised By :mohammad ahmed 03/15/2024

Reviewed By :Jagrut Upadhyay 03/14/2024  
Supervised By :mohammad ahmed 03/15/2024

