

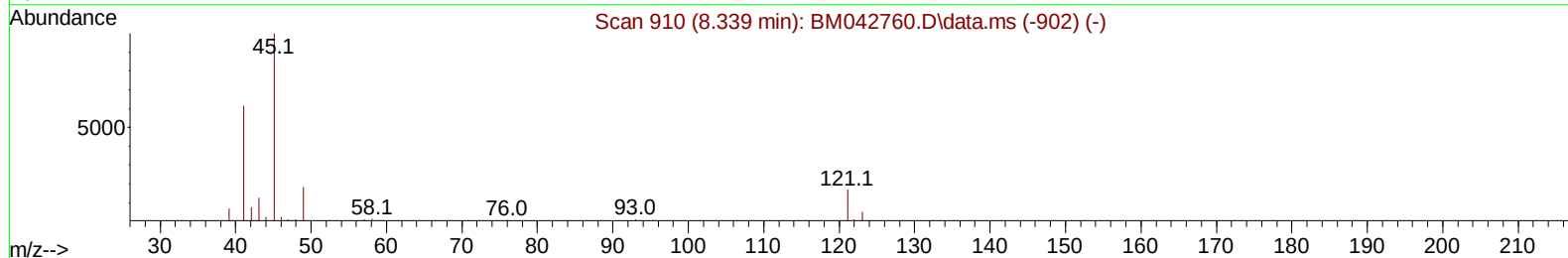
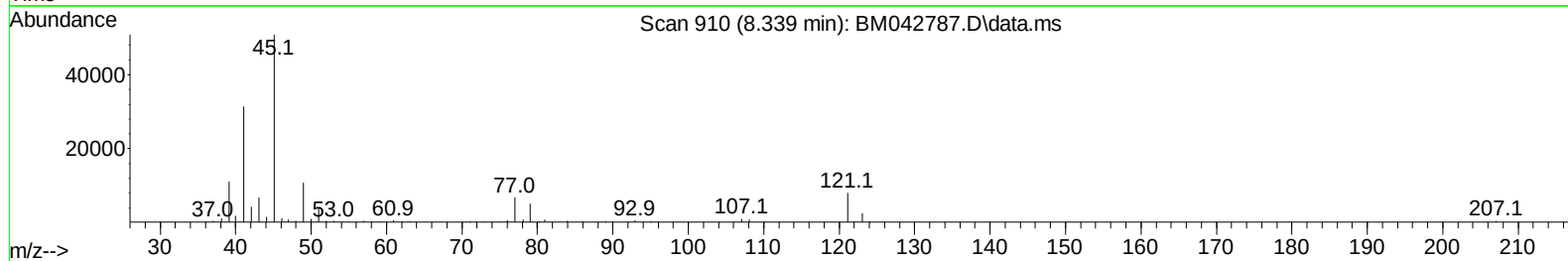
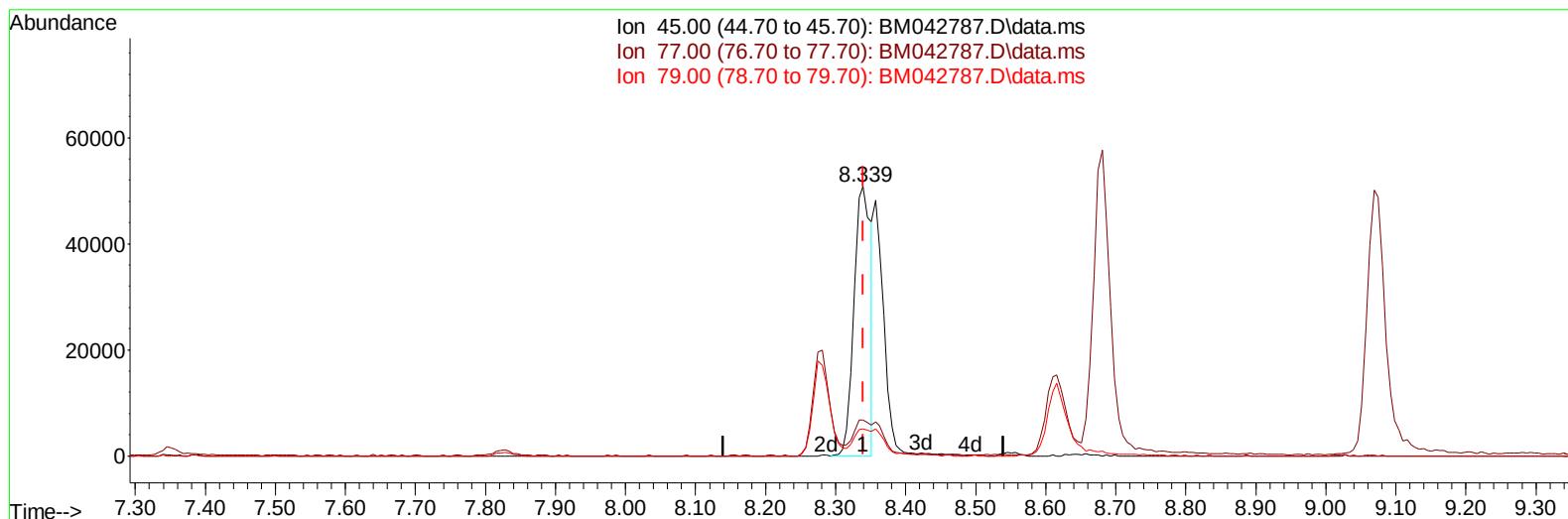
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:05:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042787.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.339min (-0.000) 21.46 ng/uL**

**response 86009**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.20  | 13.39  |
| 79.00 | 10.20  | 10.06  |
| 0.00  | 0.00   | 0.00   |

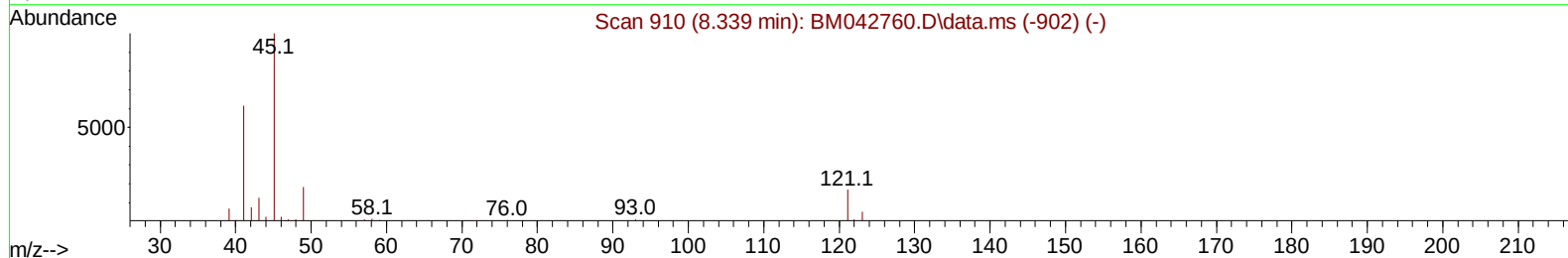
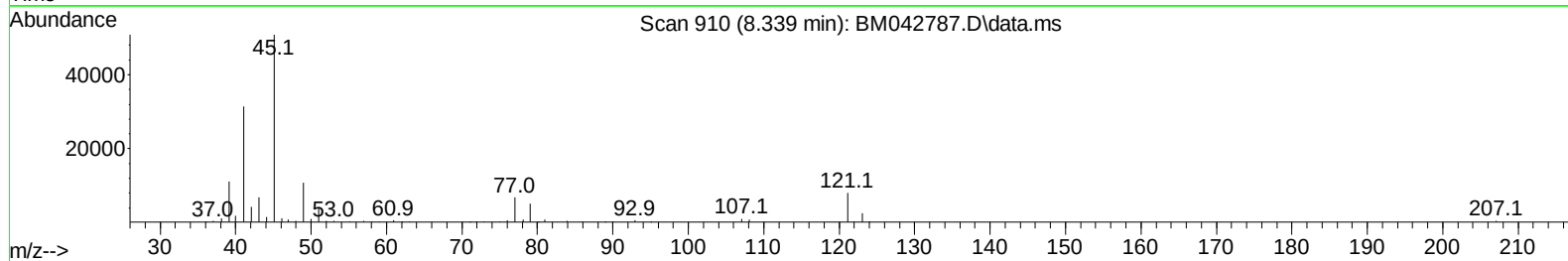
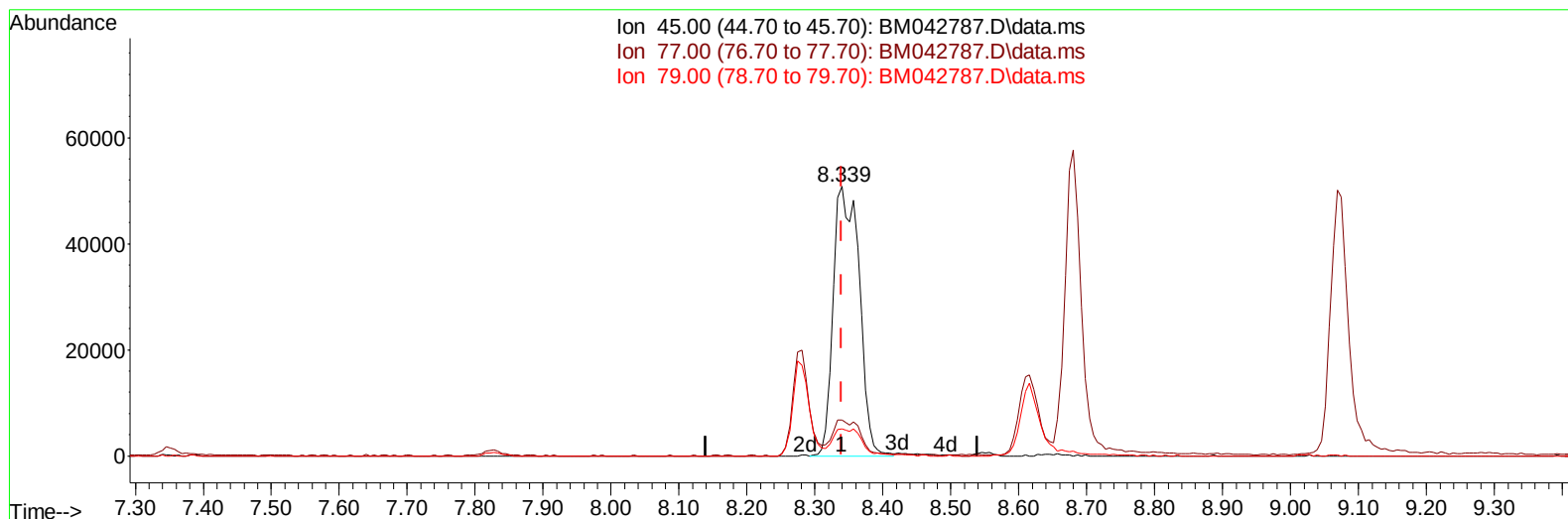
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Manual IntegrationsAPPROVED

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 QLast Update : Wed Nov 15 22:28:07 2023  
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Reviewed By :Yogesh Patel 11/16/2023  
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TIC: BM042787.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.339min (-0.000) 33.54 ng/ul m

response 134435

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.20  | 13.39  |
| 79.00 | 10.20  | 10.06  |
| 0.00  | 0.00   | 0.00   |

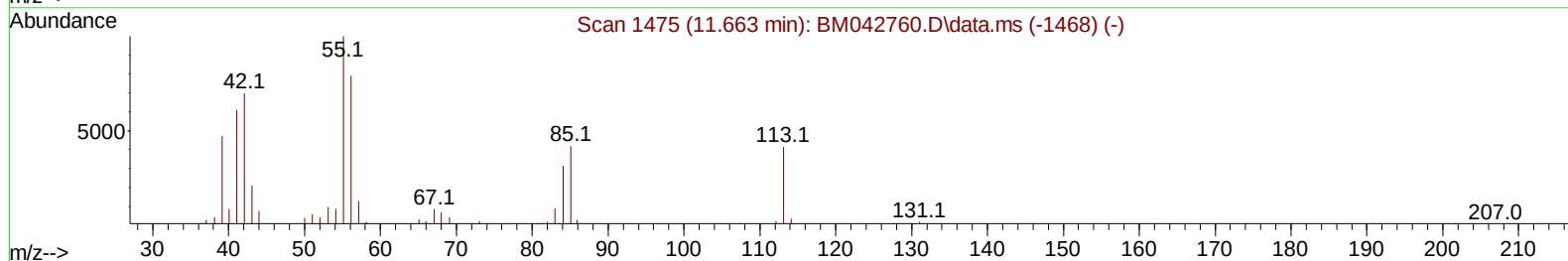
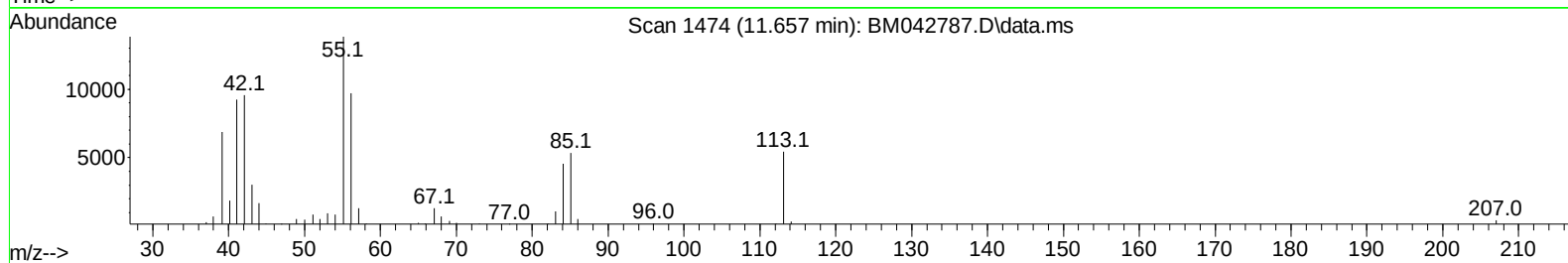
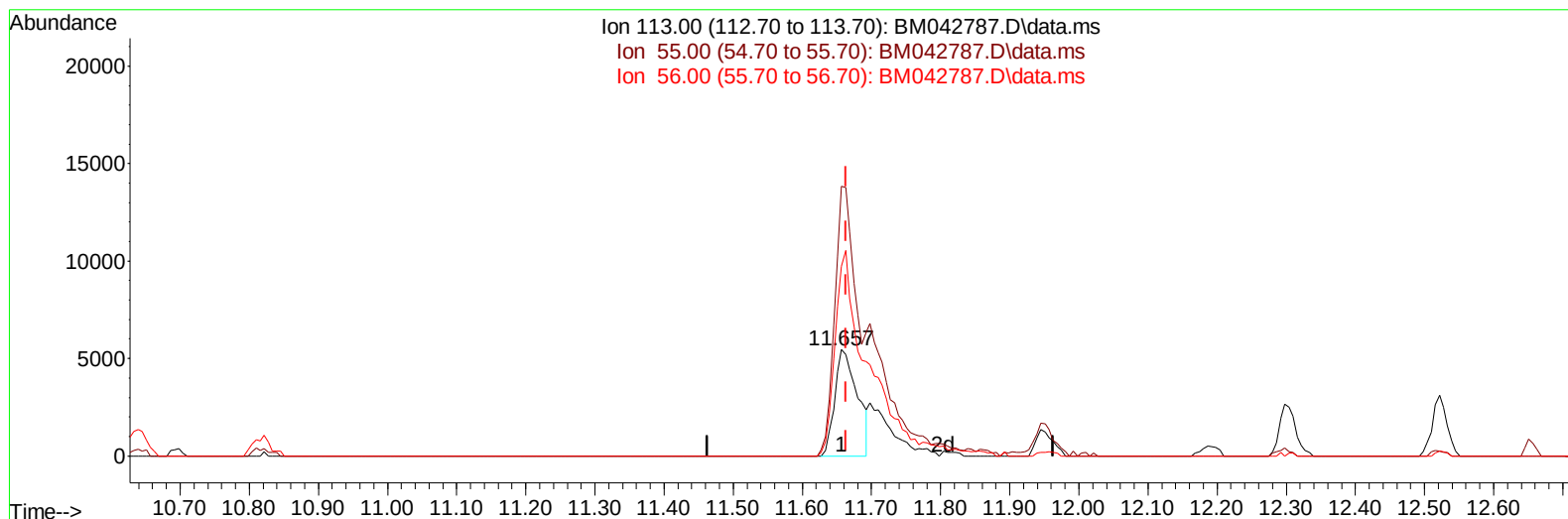
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:05:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
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TIC: BM042787.D\data.ms

**(34) Caprolactam**

11.657min (-0.006) 20.21 ng/ul

response 12376

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.20 | 253.70 |
| 56.00  | 167.90 | 178.33 |
| 0.00   | 0.00   | 0.00   |

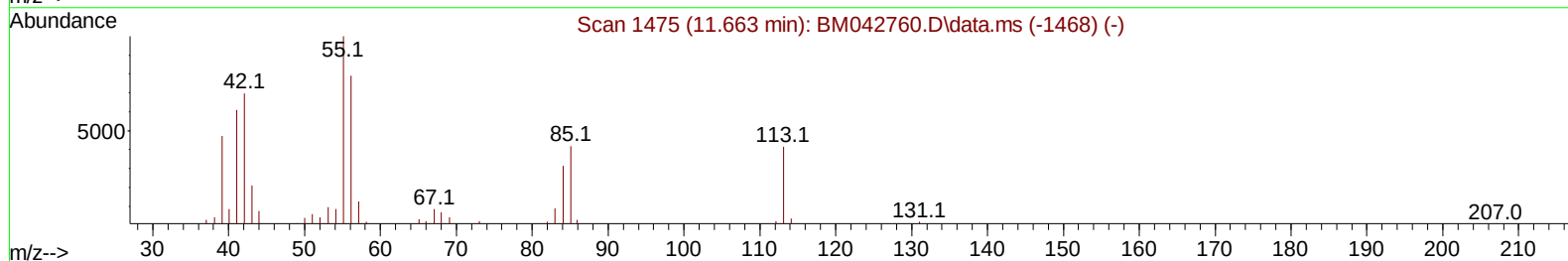
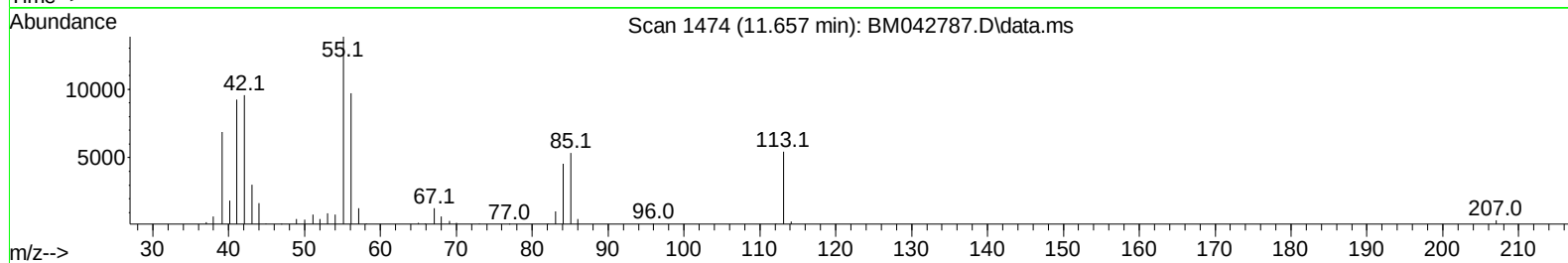
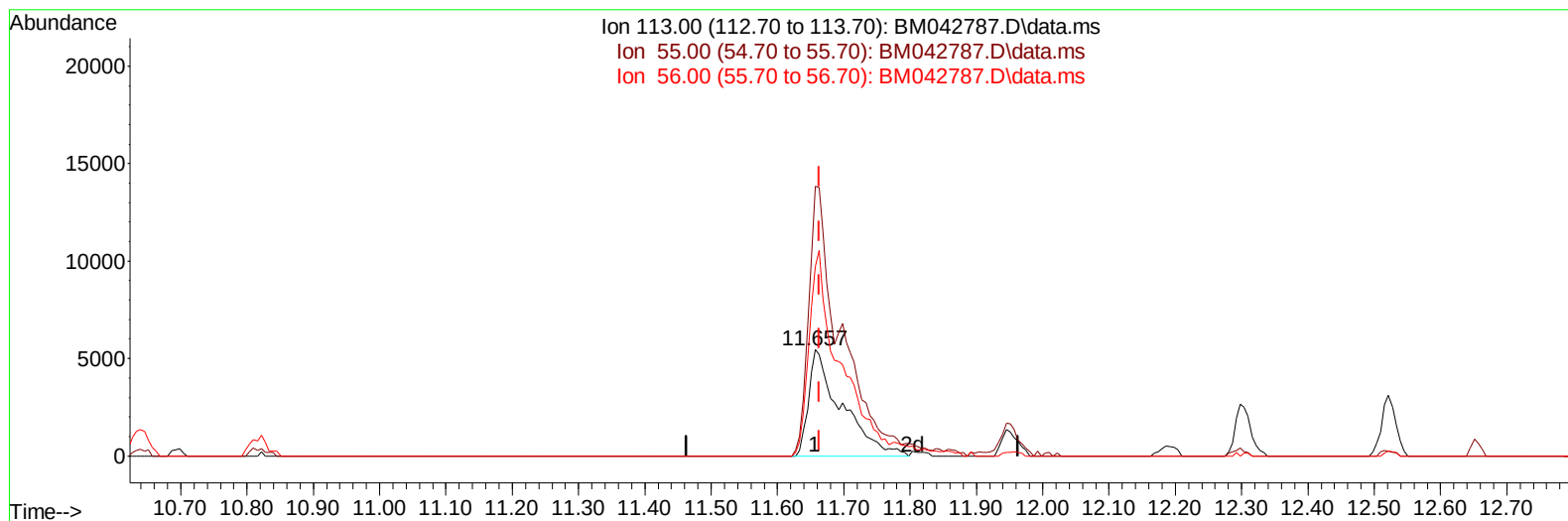
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:05:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042787.D\data.ms

**(34) Caprolactam**

11.657min (-0.006) 30.74 ng/ul m

response 18826

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.20 | 253.70 |
| 56.00  | 167.90 | 178.33 |
| 0.00   | 0.00   | 0.00   |

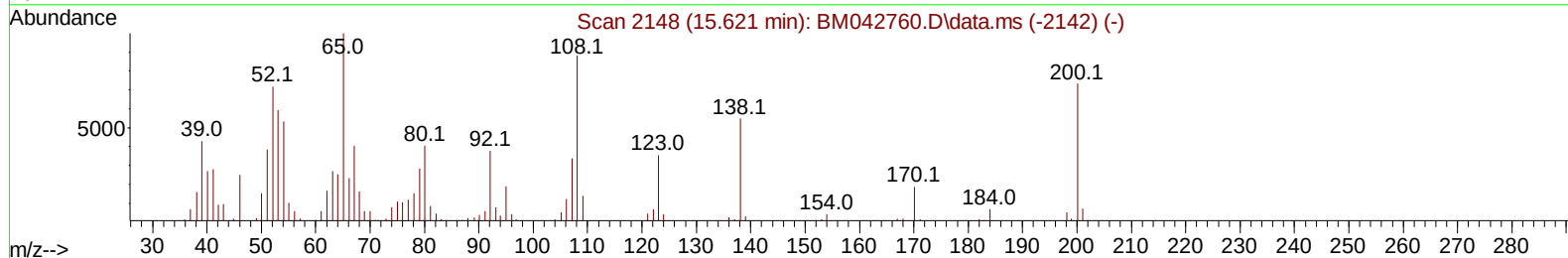
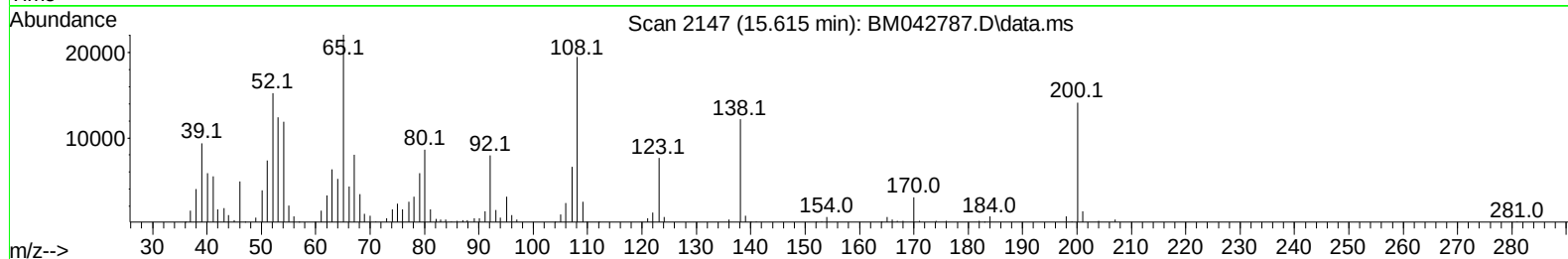
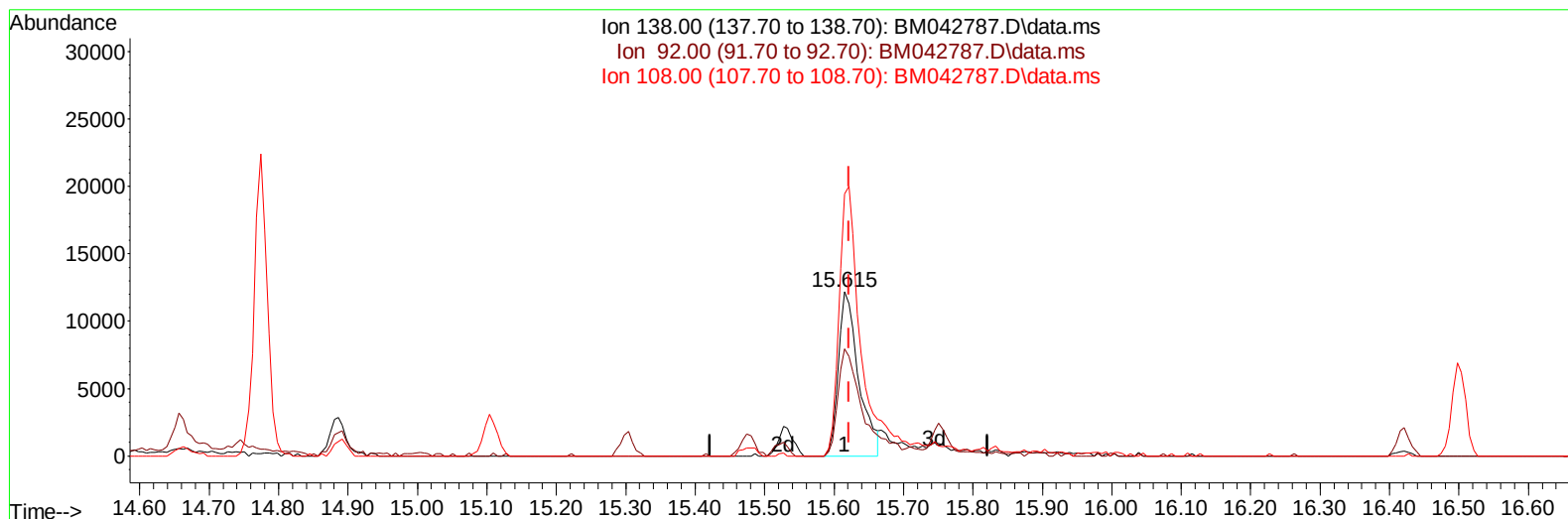
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:05:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042787.D\data.ms

**(63) 4-Nitroaniline**

**15.615min (-0.006) 24.78 ng/ul**

**response 24617**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 59.20  | 65.03  |
| 108.00 | 161.90 | 159.46 |
| 0.00   | 0.00   | 0.00   |

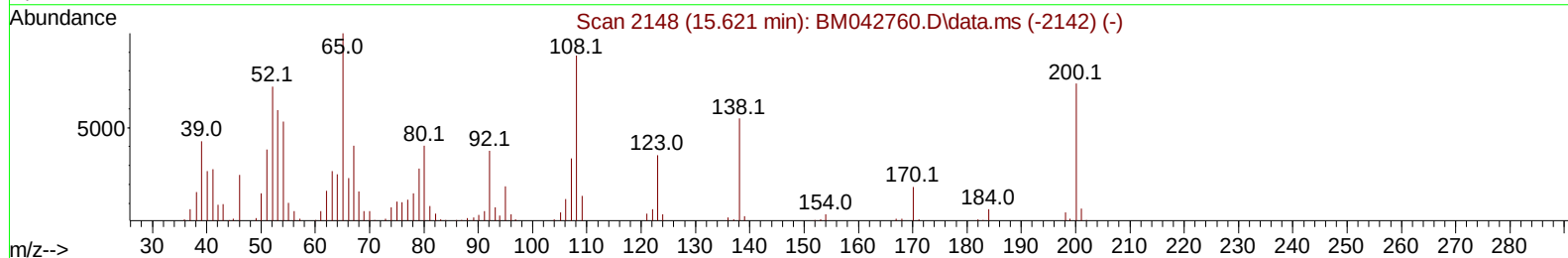
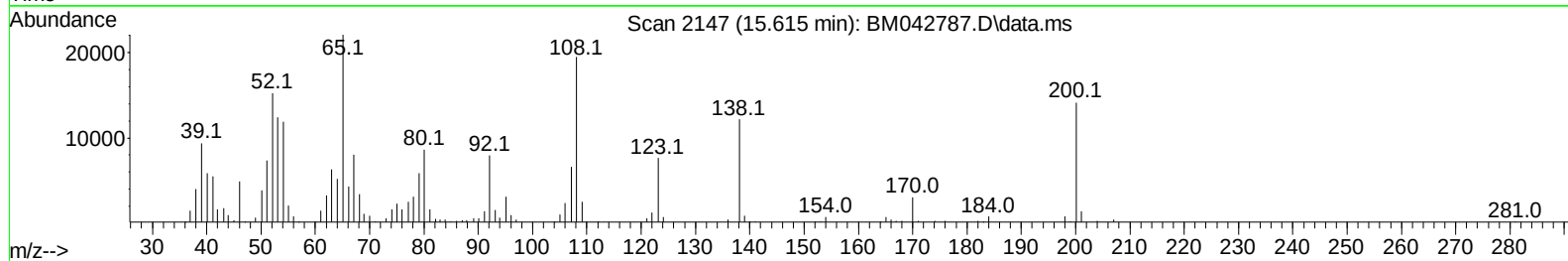
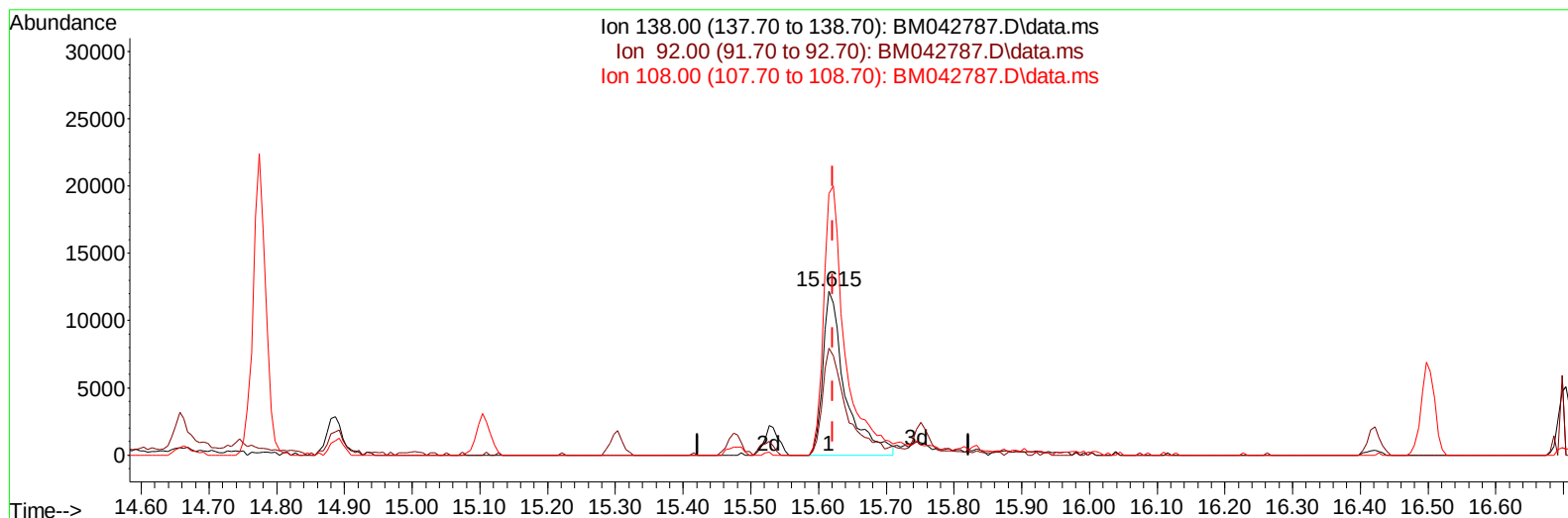
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:05:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042787.D\data.ms

**(63) 4-Nitroaniline**

15.615min (-0.006) 28.01 ng/ul m

response 27819

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 59.20  | 65.03  |
| 108.00 | 161.90 | 159.46 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042787.D  
 Acq On : 16 Nov 2023 02:18  
 Operator : MA/JU  
 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

Manual IntegrationsAPPROVED

Quant Time: Nov 16 03:06:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.828  | 152  | 27534    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.639 | 136  | 114376   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.480 | 164  | 76932    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.233 | 188  | 174332   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.415 | 240  | 197296   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.780 | 264  | 210479   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 4934     | 5.623  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.610  | 84   | 61150    | 28.016 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.992  | 99   | 79015    | 29.486 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.175  | 67   | 60108    | 31.921 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.351  | 132  | 58404    | 28.246 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.551  | 113  | 58161    | 27.565 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.028  | 128  | 26995    | 26.920 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.739  | 143  | 30631    | 26.111 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.263 | 165  | 61401    | 28.150 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.816 | 131  | 68261    | 24.648 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.904 | 166  | 200587   | 27.549 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.186 | 160  | 213902   | 27.457 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.733 | 143  | 19985    | 24.294 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.474 | 176  | 162808   | 27.003 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 200  | 32843    | 24.871 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.333 | 188  | 256058   | 26.208 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.633 | 212  | 352820   | 27.309 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.627 | 264  | 366869   | 29.140 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.210  | 88   | 10161    | 10.873 | ng/ul# | 85       |
| 5) Pyridine                   | 3.634  | 79   | 73259    | 30.866 | ng/ul  | 99       |
| 6) Benzaldehyde               | 6.992  | 77   | 50521    | 32.859 | ng/ul  | 96       |
| 8) Phenol                     | 7.022  | 94   | 79051    | 29.657 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.269  | 93   | 67805    | 30.795 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.381  | 128  | 60543    | 29.421 | ng/ul# | 87       |
| 13) 2-Methylphenol            | 8.281  | 108  | 57272    | 28.813 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.339  | 45   | 134435m  | 33.540 | ng/ul  |          |
| 16) Acetophenone              | 8.681  | 105  | 101117   | 28.501 | ng/ul  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.645  | 70   | 65400    | 30.281 | ng/ul  | 91       |
| 18) 4-Methylphenol            | 8.616  | 108  | 62328    | 28.841 | ng/ul  | 95       |
| 19) Hexachloroethane          | 8.881  | 117  | 34326    | 29.929 | ng/ul  | 88       |
| 22) Nitrobenzene              | 9.069  | 77   | 94021    | 31.022 | ng/ul  | 95       |
| 23) Isophorone                | 9.575  | 82   | 174096   | 28.841 | ng/ul  | 96       |
| 25) 2-Nitrophenol             | 9.775  | 139  | 33949    | 28.484 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.816  | 107  | 60028    | 23.540 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.069 | 93   | 92224    | 30.234 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.292 | 162  | 60344    | 29.220 | ng/ul  | 98       |
| 30) Naphthalene               | 10.692 | 128  | 201246   | 28.085 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.839 | 127  | 63254    | 23.807 | ng/ul  | 95       |
| 33) Hexachlorobutadiene       | 10.910 | 225  | 50303    | 27.575 | ng/ul  | 93       |
| 34) Caprolactam               | 11.657 | 113  | 18826m   | 30.745 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.951 | 107  | 65075    | 29.407 | ng/ul  | 90       |

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 Sample : PB156744BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS744

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 16 03:06:33 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.304 | 142  | 134846   | 28.079 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.522 | 142  | 135595   | 26.854 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 86016    | 28.509 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.592 | 237  | 27372    | 19.162 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.916 | 196  | 51820    | 28.118 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 12.992 | 196  | 52005    | 29.224 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.316 | 154  | 183750   | 28.640 | ng/ul# | 98       |
| 44) 2-Chloronaphthalene       | 13.368 | 162  | 147416   | 28.561 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.616 | 65   | 53282    | 31.654 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.951 | 163  | 200977   | 28.339 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.104 | 165  | 38122    | 28.613 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.210 | 152  | 249195   | 28.547 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.451 | 138  | 27828    | 25.543 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.545 | 153  | 168036   | 28.463 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.657 | 184  | 14566    | 21.987 | ng/ul  | 86       |
| 55) 4-Nitrophenol             | 14.745 | 109  | 25390    | 19.614 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.886 | 168  | 234384   | 28.604 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.892 | 165  | 57120    | 29.202 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.104 | 232  | 53136    | 28.765 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.304 | 149  | 209925   | 28.229 | ng/ul  | 99       |
| 61) Fluorene                  | 15.533 | 166  | 204304   | 29.367 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.527 | 204  | 110744   | 29.538 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.615 | 138  | 27819m   | 28.008 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.639 | 198  | 35664    | 26.528 | ng/ul# | 86       |
| 67) N-Nitrosodiphenylamine    | 15.751 | 169  | 154835   | 28.318 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.421 | 248  | 65105    | 28.056 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 80424    | 28.351 | ng/ul  | 96       |
| 70) Atrazine                  | 16.704 | 200  | 62283    | 29.573 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.868 | 266  | 44483    | 27.231 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.280 | 178  | 318966   | 29.287 | ng/ul  | 99       |
| 74) Anthracene                | 17.368 | 178  | 304021   | 27.753 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.269 | 216  | 88676    | 28.767 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.774 | 250  | 92859    | 28.709 | ng/uL  | 99       |
| 77) Carbazole                 | 17.662 | 167  | 249764   | 27.612 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.180 | 149  | 375063   | 28.355 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.292 | 202  | 408323   | 27.718 | ng/ul  | 98       |
| 82) Pyrene                    | 19.662 | 202  | 440997   | 28.234 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.544 | 149  | 174761   | 26.195 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.350 | 252  | 126187   | 24.990 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.403 | 228  | 447477   | 28.893 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 267090   | 26.387 | ng/ul  | 99       |
| 87) Chrysene                  | 21.456 | 228  | 434356   | 28.918 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.197 | 149  | 464581   | 27.325 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.050 | 252  | 441076   | 30.707 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.097 | 252  | 475789   | 31.116 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.674 | 252  | 433122   | 30.944 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.250 | 276  | 530532   | 30.499 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.256 | 278  | 441088   | 30.585 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.015 | 276  | 414541   | 30.011 | ng/ul  | 100      |

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



**Instrument :**

BNA\_M

**ClientSampleId :**

SLCS744

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/16/2023

Supervised By :mohammad ahmed 11/19/2023

