

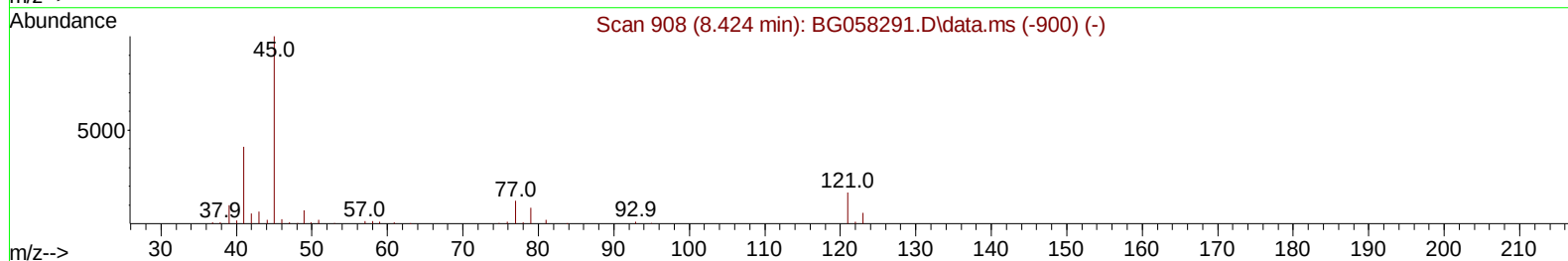
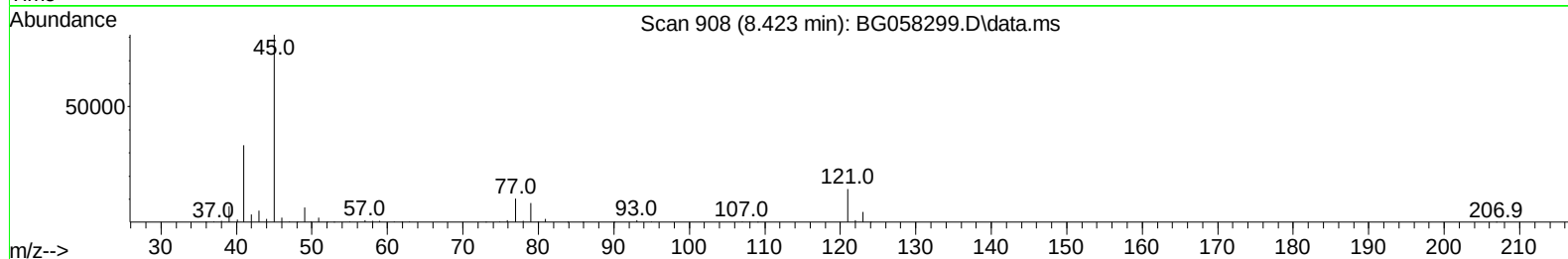
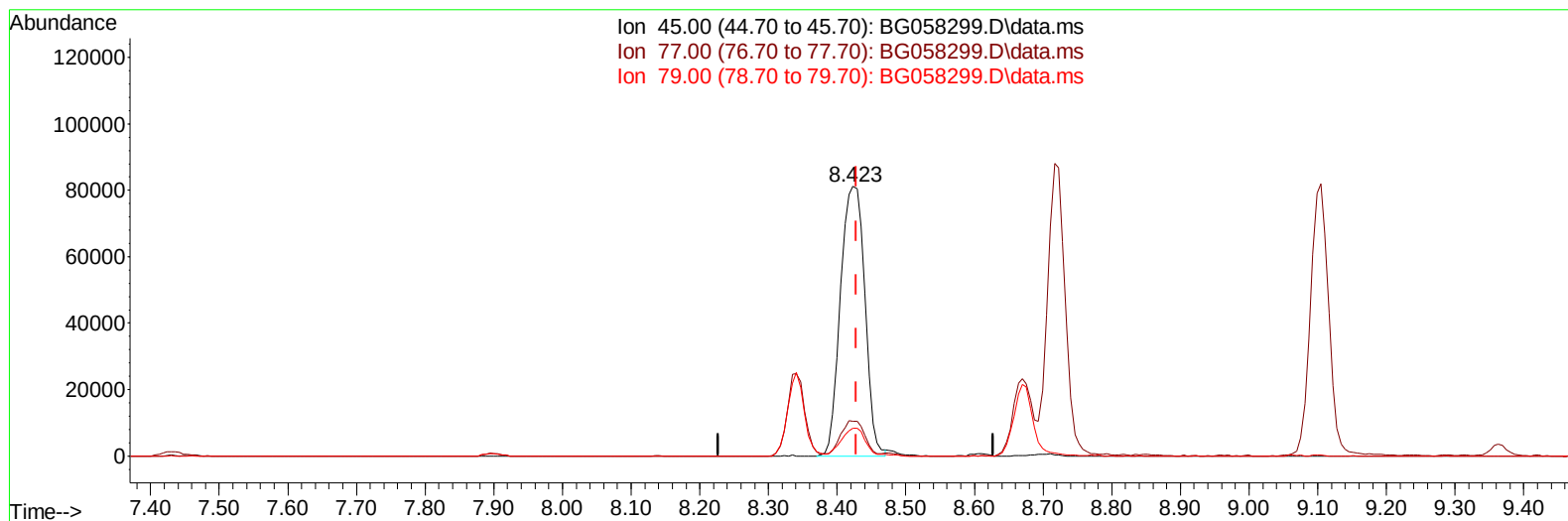
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058299.D  
 Acq On : 18 Jul 2023 13:35  
 Operator : CG/JU  
 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Q1MS

Manual IntegrationsAPPROVED

Quant Time: Jul 19 04:15:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023



TIC: BG058299.D\data.ms

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

8.423min (-0.005) 44.25 ng/u1

response 200514

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 11.80  | 12.78  |
| 79.00 | 9.30   | 10.36  |
| 0.00  | 0.00   | 0.00   |

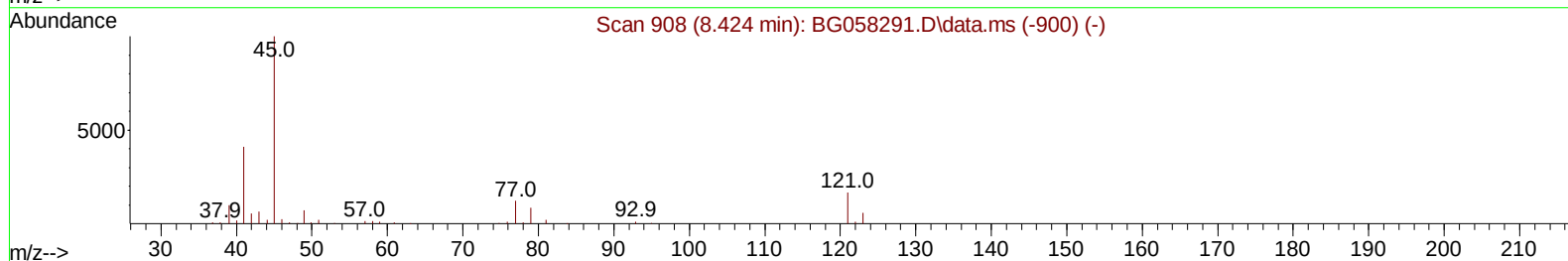
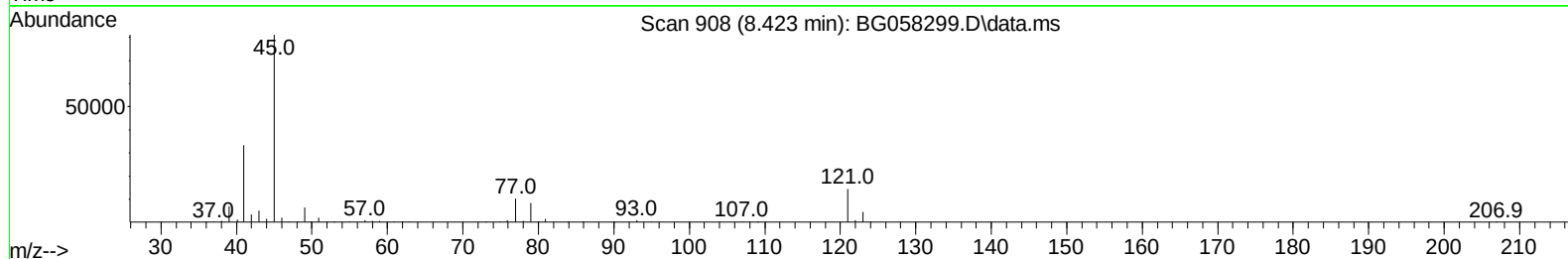
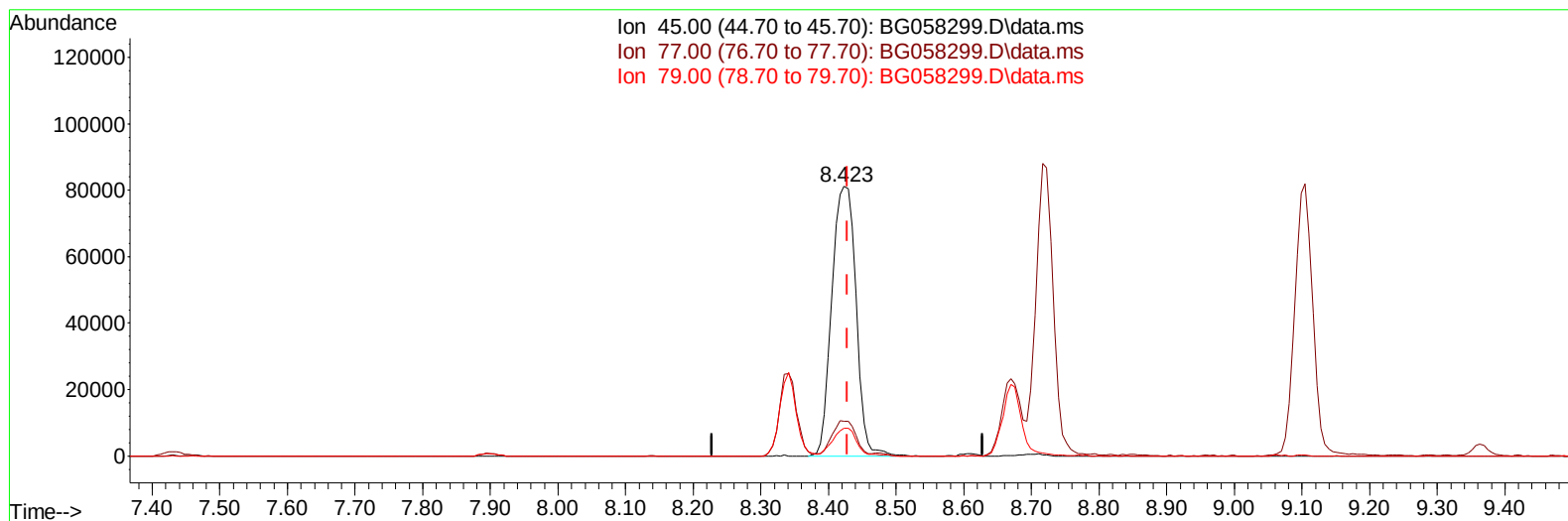
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058299.D  
 Acq On : 18 Jul 2023 13:35  
 Operator : CG/JU  
 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Q1MS

Manual IntegrationsAPPROVED

Quant Time: Jul 19 04:15:28 2023  
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Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023



TIC: BG058299.D\data.ms

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

8.423min (-0.005) 44.62 ng/ul m

response 202159

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 11.80  | 12.78  |
| 79.00 | 9.30   | 10.36  |
| 0.00  | 0.00   | 0.00   |

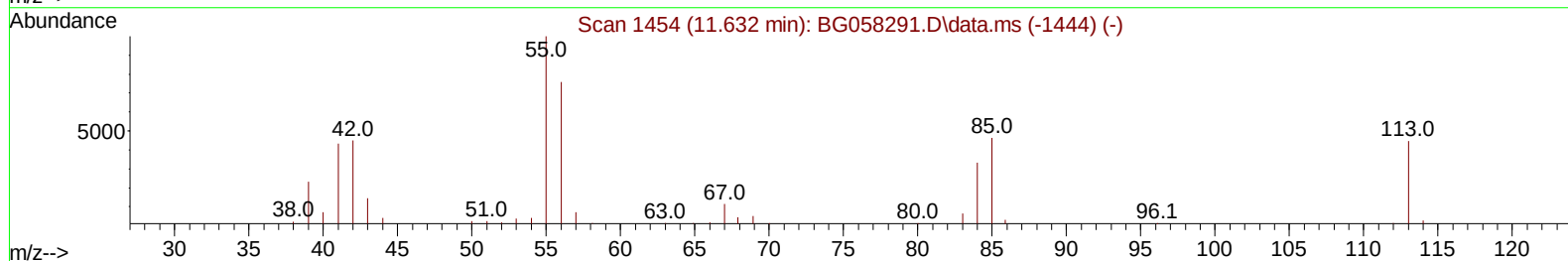
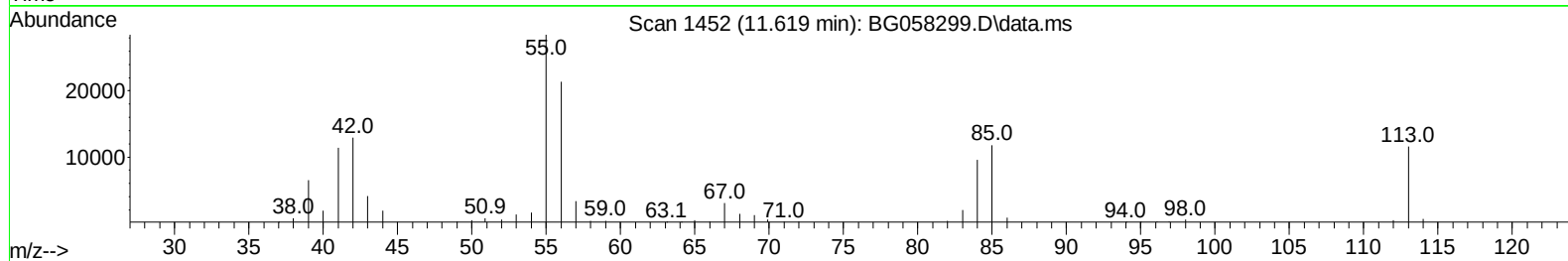
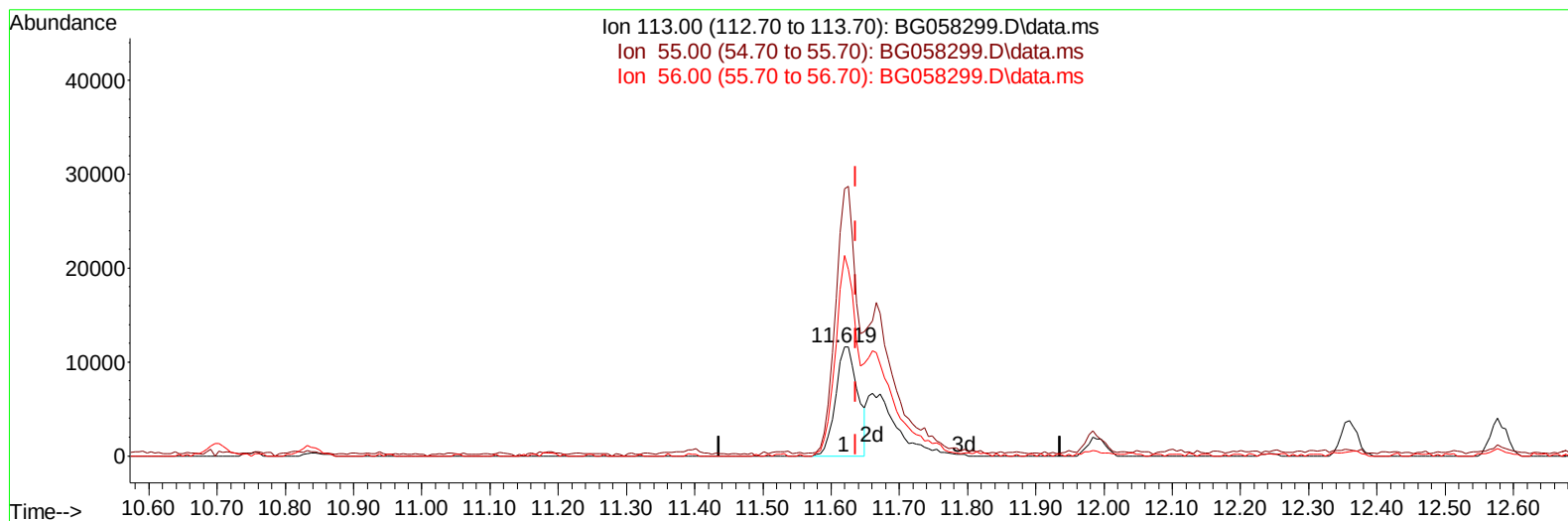
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058299.D  
 Acq On : 18 Jul 2023 13:35  
 Operator : CG/JU  
 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Q1MS

Manual IntegrationsAPPROVED

Quant Time: Jul 19 04:15:28 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
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Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023



TIC: BG058299.D\data.ms

**(34) Caprolactam**

**11.619min (-0.016) 25.13 ng/ul**

**response 26315**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 224.70 | 244.75 |
| 56.00  | 165.30 | 183.41 |
| 0.00   | 0.00   | 0.00   |

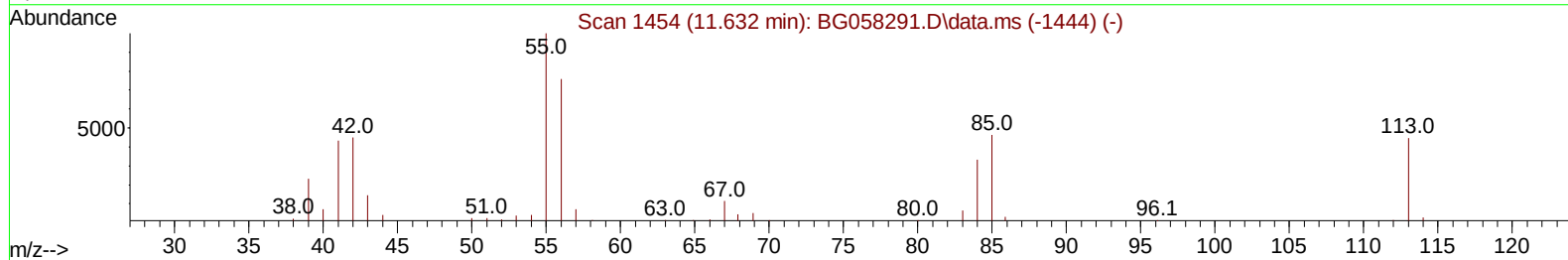
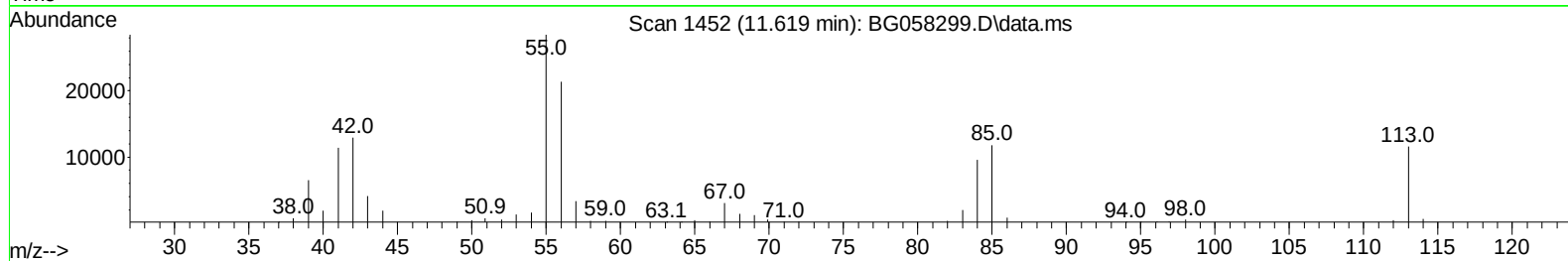
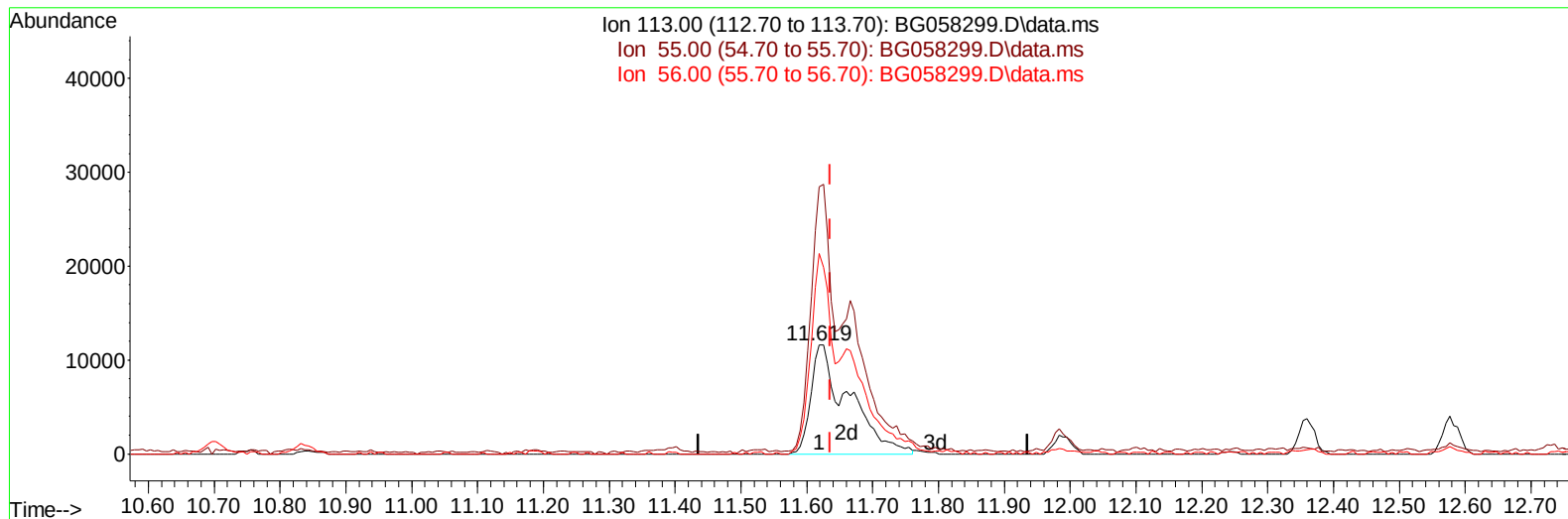
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058299.D  
 Acq On : 18 Jul 2023 13:35  
 Operator : CG/JU  
 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Q1MS

Manual IntegrationsAPPROVED

Quant Time: Jul 19 04:15:28 2023  
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Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023



TIC: BG058299.D\data.ms

**(34) Caprolactam**

11.619min (-0.016) 44.03 ng/ul m

response 46111

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 224.70 | 244.75 |
| 56.00  | 165.30 | 183.41 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058299.D  
 Acq On : 18 Jul 2023 13:35  
 Operator : CG/JU  
 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

A46Q1MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023

Quant Time: Jul 19 04:42:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.900  | 152  | 36635    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.703 | 136  | 169353   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.533 | 164  | 124208   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 289928   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.531 | 240  | 234964   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.663 | 264  | 299056   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.341  | 96   | 6084     | 6.112  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 100660   | 34.072 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.060  | 99   | 149463   | 43.007 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.224  | 67   | 89679    | 41.286 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.430  | 132  | 103135   | 42.395 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 106040   | 40.002 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 54845    | 43.206 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.780  | 143  | 61419    | 44.320 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.321 | 165  | 117612   | 44.272 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.838 | 131  | 138205   | 35.886 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.940 | 166  | 377975   | 39.463 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 430390   | 42.879 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 62260    | 43.042 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.526 | 176  | 340896   | 42.989 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 64789    | 43.861 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.377 | 188  | 509427   | 40.665 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.669 | 212  | 605795   | 43.652 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.451 | 264  | 616776   | 42.671 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.376  | 88   | 18594    | 16.469 | ng/ul# | 90       |
| 5) Pyridine                   | 3.770  | 79   | 126913   | 40.677 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.036  | 77   | 82179    | 58.552 | ng/ul  | 99       |
| 8) Phenol                     | 7.089  | 94   | 166499   | 46.133 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.318  | 93   | 122548   | 44.324 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.465  | 128  | 113702   | 44.651 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.341  | 108  | 112096   | 39.851 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.423  | 45   | 202159m  | 44.617 | ng/ul  |          |
| 16) Acetophenone              | 8.717  | 105  | 199178   | 44.120 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.705  | 70   | 104222   | 42.182 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.670  | 108  | 128628   | 42.077 | ng/ul  | 100      |
| 19) Hexachloroethane          | 8.975  | 117  | 44073    | 43.909 | ng/ul  | 90       |
| 22) Nitrobenzene              | 9.105  | 77   | 152307   | 44.992 | ng/ul  | 97       |
| 23) Isophorone                | 9.622  | 82   | 320682   | 42.253 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.815  | 139  | 69066    | 46.658 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.868  | 107  | 54811    | 16.606 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.103 | 93   | 178193   | 44.333 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.350 | 162  | 116703   | 46.284 | ng/ul  | 96       |
| 30) Naphthalene               | 10.750 | 128  | 406506   | 44.907 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 10.861 | 127  | 119507   | 30.361 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.032 | 225  | 84132    | 46.662 | ng/ul  | 98       |
| 34) Caprolactam               | 11.619 | 113  | 46111m   | 44.030 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.989 | 107  | 143545   | 44.734 | ng/ul  | 99       |

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 Sample : 03444-08MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Q1MS

Manual IntegrationsAPPROVED

Quant Time: Jul 19 04:42:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.360 | 142  | 276623   | 45.612  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.577 | 142  | 279139   | 44.909  | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.730 | 216  | 163209   | 45.392  | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.706 | 237  | 69563    | 35.971  | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.971 | 196  | 105689   | 43.422  | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.041 | 196  | 117748   | 45.366  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.370 | 154  | 371039   | 44.177  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.411 | 162  | 298844   | 44.752  | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.617 | 65   | 107973   | 46.548  | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.987 | 163  | 399064   | 41.480  | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.110 | 165  | 84698    | 45.559  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.257 | 152  | 478491   | 44.163  | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.445 | 138  | 78742    | 50.824  | ng/ul  | 95       |
| 52) Acenaphthene              | 14.598 | 153  | 335096   | 44.546  | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 46556    | 47.054  | ng/ul# | 72       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 50768    | 45.573  | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.933 | 168  | 464665   | 43.381  | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 121967   | 45.487  | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.162 | 232  | 100673   | 41.982  | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.350 | 149  | 410874   | 41.456  | ng/ul  | 99       |
| 61) Fluorene                  | 15.585 | 166  | 379413   | 43.194  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.573 | 204  | 202092   | 43.338  | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.609 | 138  | 79877    | 56.978  | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.667 | 198  | 71509    | 47.054  | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.791 | 169  | 310795   | 43.245  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.467 | 248  | 139358   | 45.380  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.590 | 284  | 153207   | 44.213  | ng/ul  | 99       |
| 70) Atrazine                  | 16.737 | 200  | 71125    | 25.242  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.931 | 266  | 78462    | 40.339  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.324 | 178  | 626322   | 45.458  | ng/ul  | 99       |
| 74) Anthracene                | 17.418 | 178  | 574803   | 41.556  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.335 | 216  | 173580   | 47.731  | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 412137   | 103.634 | ng/uL  | 97       |
| 77) Carbazole                 | 17.683 | 167  | 545729   | 45.515  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.235 | 149  | 694793   | 45.603  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.334 | 202  | 738618   | 46.459  | ng/ul  | 98       |
| 82) Pyrene                    | 19.698 | 202  | 741686   | 46.042  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.579 | 149  | 298989   | 47.135  | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.431 | 252  | 215985   | 41.179  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.514 | 228  | 714554   | 45.245  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.414 | 149  | 453549   | 50.270  | ng/ul  | 100      |
| 87) Chrysene                  | 21.578 | 228  | 689165   | 46.005  | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.589 | 149  | 751735   | 47.243  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.670 | 252  | 755590   | 43.668  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.734 | 252  | 764347   | 44.291  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.522 | 252  | 671257   | 43.617  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.241 | 276  | 908164   | 44.788  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.294 | 278  | 743059   | 44.689  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.363 | 276  | 754726   | 45.684  | ng/ul  | 99       |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

A46Q1MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/19/2023  
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