

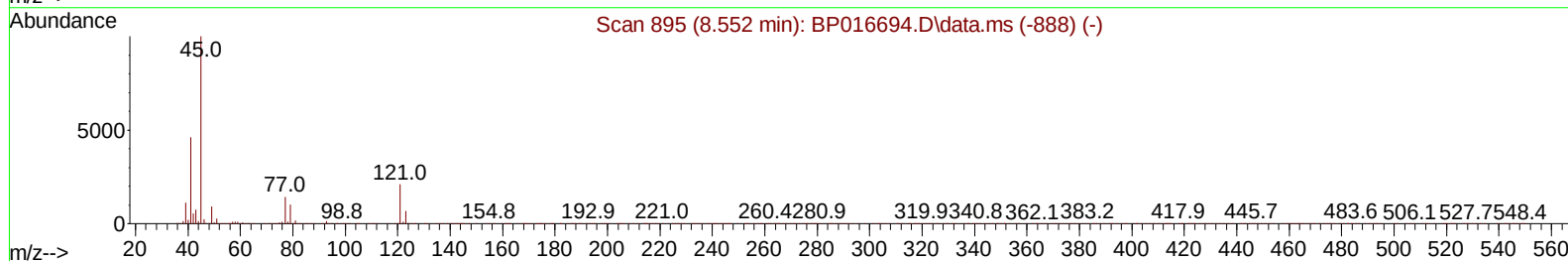
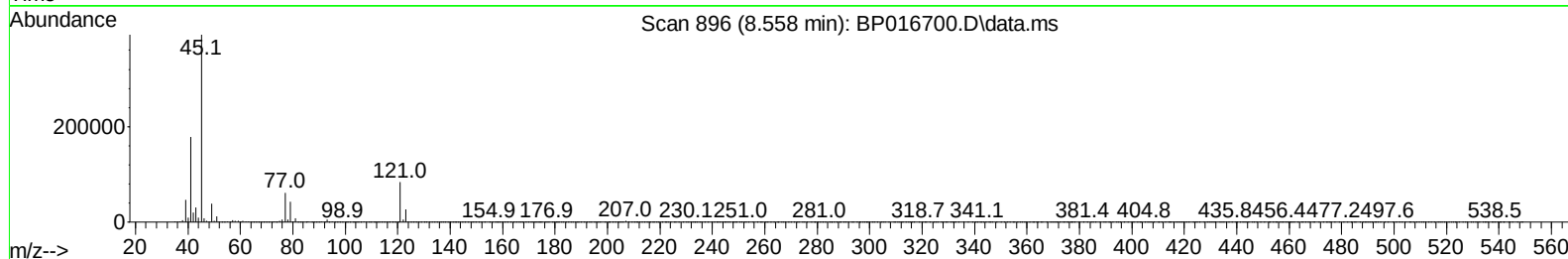
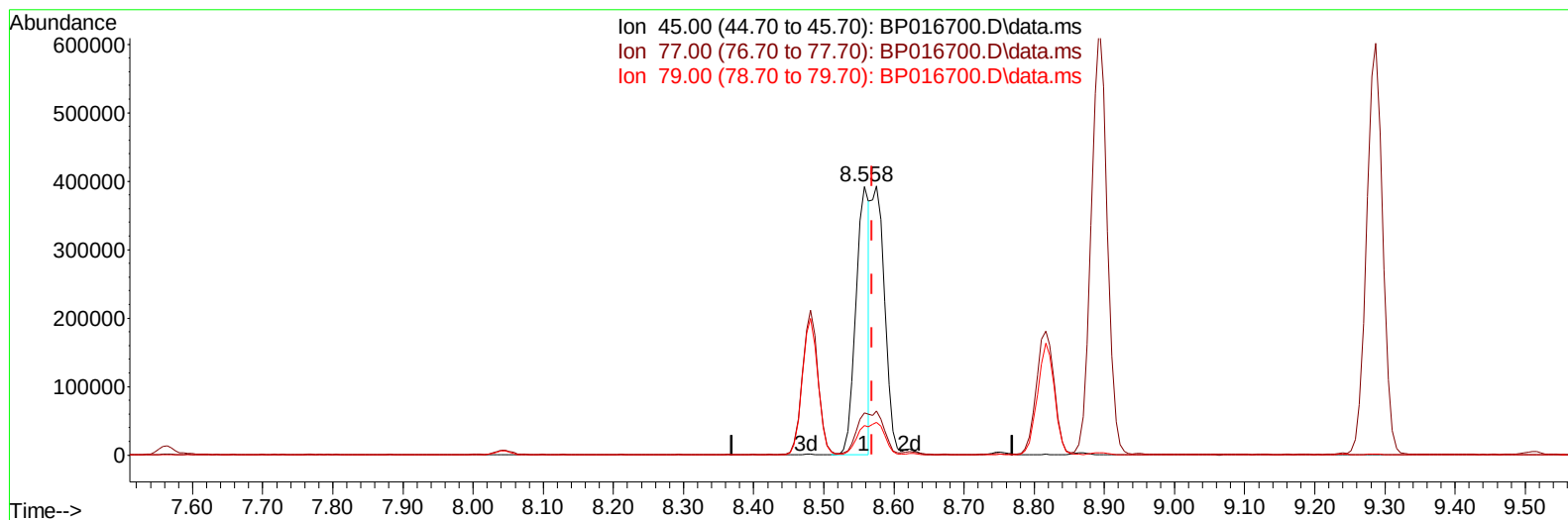
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082223\  
 Data File : BP016700.D  
 Acq On : 22 Aug 2023 12:52  
 Operator : MA/JU  
 Sample : PB154972BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS972

Manual IntegrationsAPPROVED

Quant Time: Aug 23 00:43:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 17 01:38:34 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/23/2023  
 Supervised By :mohammad ahmed 08/23/2023



TIC: BP016700.D\data.ms

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

8.558min (-0.012) 17.83 ng/ul

response 524253

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.10  | 15.71  |
| 79.00 | 10.30  | 10.94  |
| 0.00  | 0.00   | 0.00   |

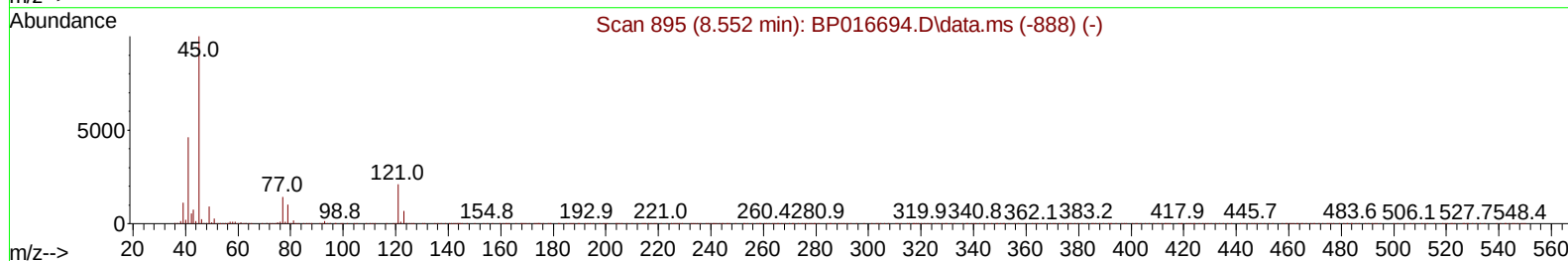
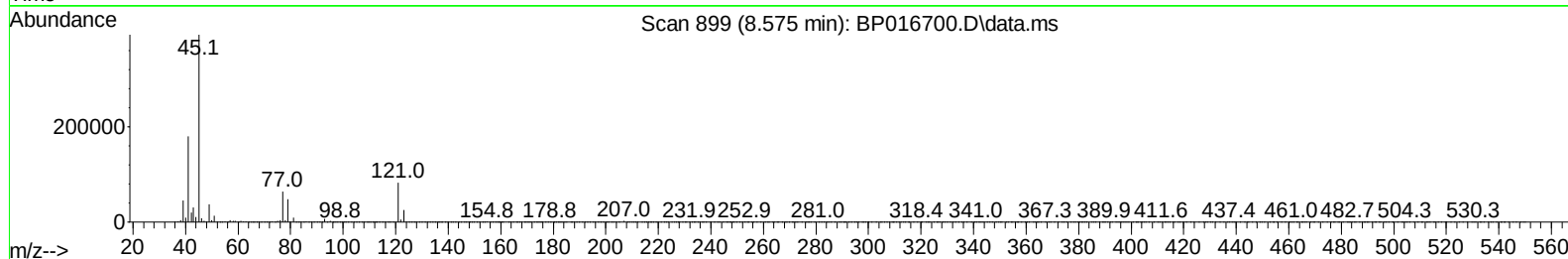
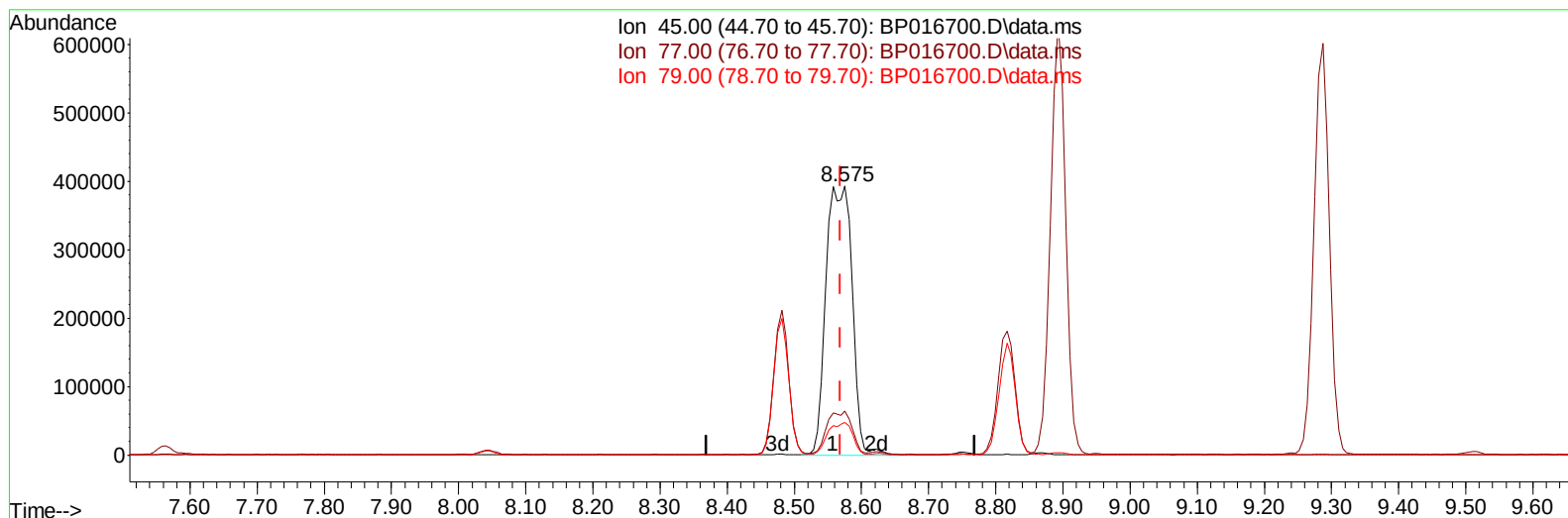
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TIC: BP016700.D\data.ms

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

8.575min (+ 0.006) 36.05 ng/ul m

response 1060138

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.10  | 16.43  |
| 79.00 | 10.30  | 12.14  |
| 0.00  | 0.00   | 0.00   |

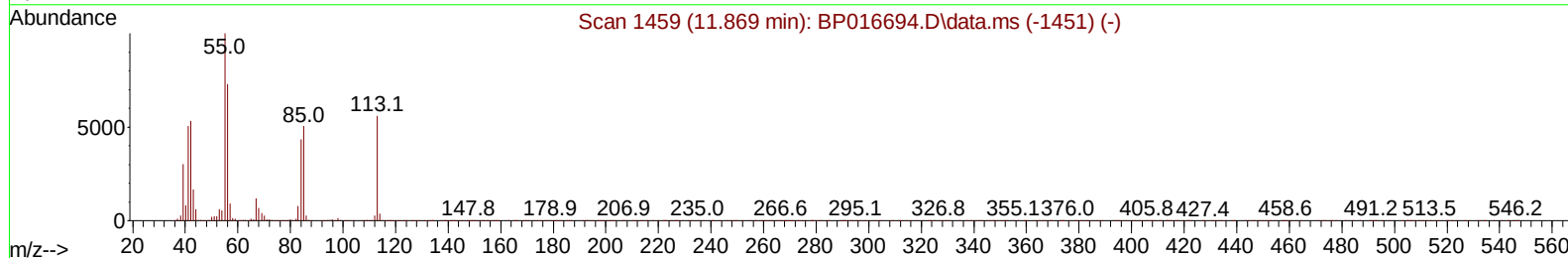
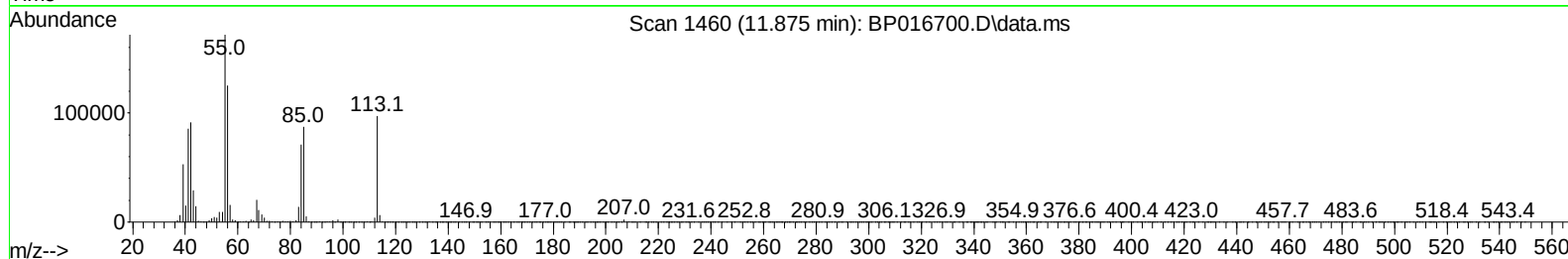
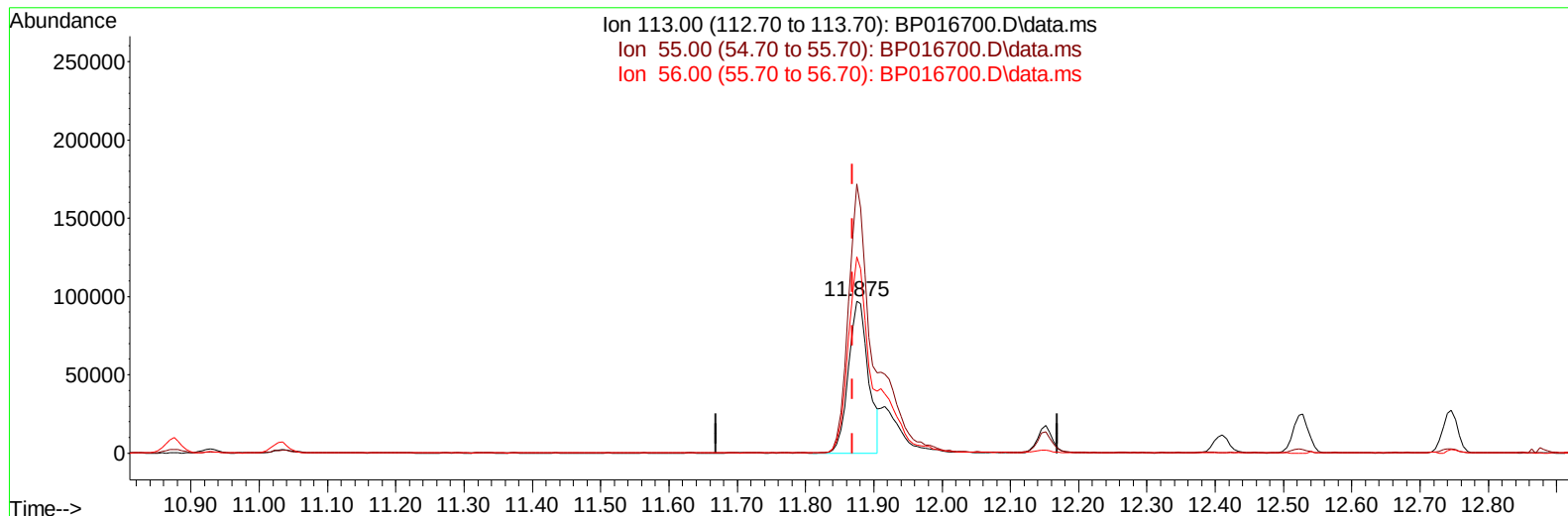
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082223\  
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Manual IntegrationsAPPROVED

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TIC: BP016700.D\data.ms

**(34) Caprolactam**

**11.875min (+ 0.006) 31.09 ng/ul**

**response 196630**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.50 | 176.77 |
| 56.00  | 126.90 | 128.93 |
| 0.00   | 0.00   | 0.00   |

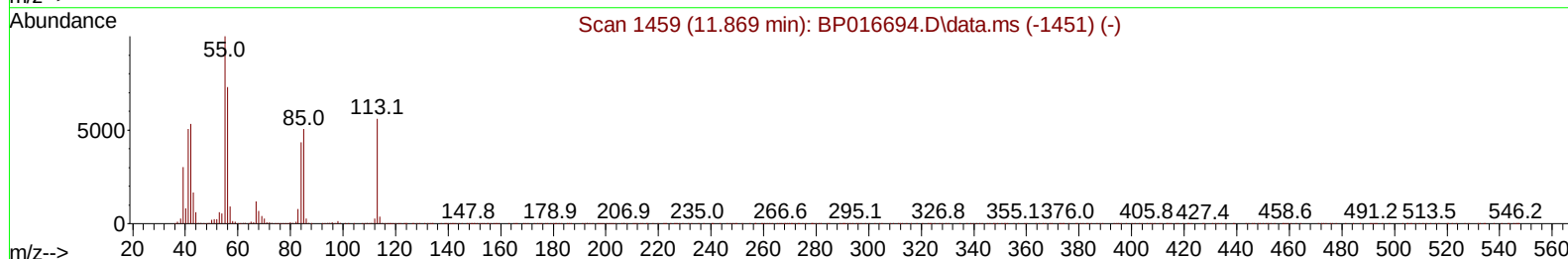
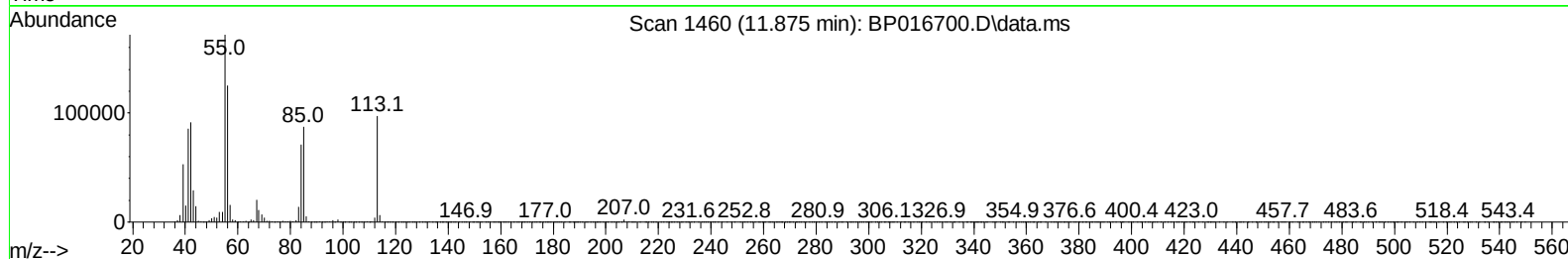
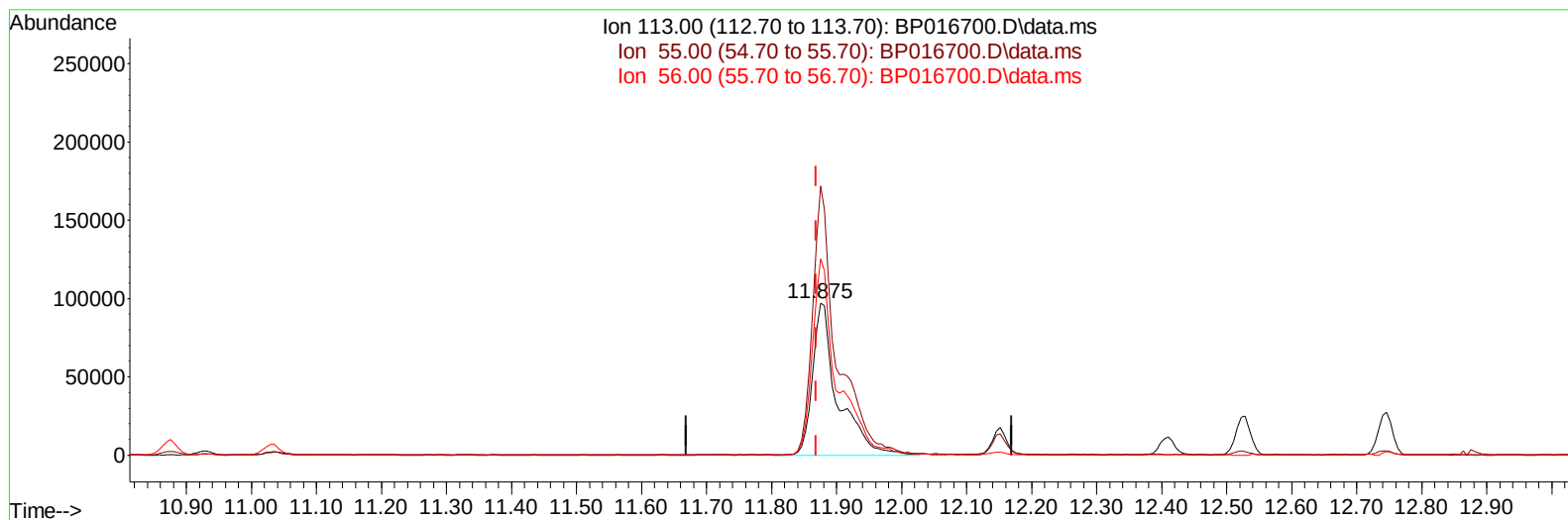
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 08/23/2023



TIC: BP016700.D\data.ms

**(34) Caprolactam**

11.875min (+ 0.006) 41.45 ng/ul m

response 262148

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.50 | 176.77 |
| 56.00  | 126.90 | 128.93 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082223\  
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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.046  | 152  | 265092   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.875 | 136  | 1201295  | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.693 | 164  | 741948   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.463 | 188  | 1657824  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 1590513  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.139 | 264  | 1670082  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.387  | 96   | 49367    | 7.076  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.823  | 84   | 739462   | 34.839 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.187  | 99   | 978737   | 40.047 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 597441   | 37.115 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.564  | 132  | 675908   | 38.505 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.752  | 113  | 752062   | 38.701 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.240  | 128  | 348264   | 41.202 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.958  | 143  | 366174   | 45.611 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.481 | 165  | 669746   | 42.391 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.028 | 131  | 934102   | 34.459 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.104 | 166  | 2013395  | 37.518 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 2358116  | 38.931 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.899 | 143  | 432042   | 39.520 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.693 | 176  | 1713114  | 37.445 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.816 | 200  | 309731   | 39.272 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.563 | 188  | 2756843  | 38.445 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.798 | 212  | 3272877  | 39.272 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.969 | 264  | 3148115  | 39.333 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.423  | 88   | 115008   | 14.993 | ng/uL  | 100      |
| 5) Pyridine                   | 3.846  | 79   | 747731   | 33.954 | ng/ul  | 97       |
| 6) Benzaldehyde               | 7.199  | 77   | 576662   | 42.804 | ng/ul  | 99       |
| 8) Phenol                     | 7.217  | 94   | 1007945  | 38.587 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.475  | 93   | 781028   | 37.015 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.599  | 128  | 719217   | 38.940 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.481  | 108  | 739194   | 38.959 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.575  | 45   | 1060138m | 36.050 | ng/ul  |          |
| 16) Acetophenone              | 8.893  | 105  | 1196567  | 38.130 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.869  | 70   | 664065   | 39.457 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.816  | 108  | 811442   | 38.912 | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.116  | 117  | 285081   | 36.944 | ng/ul  | 99       |
| 22) Nitrobenzene              | 9.287  | 77   | 956967   | 40.442 | ng/ul  | 100      |
| 23) Isophorone                | 9.799  | 82   | 1835099  | 41.060 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.987  | 139  | 410127   | 44.686 | ng/ul  | 99       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 869502   | 40.187 | ng/ul  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.287 | 93   | 1102057  | 38.468 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.511 | 162  | 677701   | 41.691 | ng/ul  | 99       |
| 30) Naphthalene               | 10.928 | 128  | 2359700  | 37.596 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.058 | 127  | 921458   | 34.320 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.158 | 225  | 376650   | 38.438 | ng/ul  | 99       |
| 34) Caprolactam               | 11.875 | 113  | 262148m  | 41.453 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.152 | 107  | 846004   | 42.578 | ng/ul  | 99       |

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 Sample : PB154972BS  
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Instrument :  
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Manual IntegrationsAPPROVED

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 17 01:38:34 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/23/2023  
 Supervised By :mohammad ahmed 08/23/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.528 | 142  | 1576505  | 37.498 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.746 | 142  | 1580804  | 37.342 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.875 | 216  | 752128   | 37.900 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.828 | 237  | 404747   | 33.520 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.122 | 196  | 534516   | 43.278 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.193 | 196  | 594105   | 44.377 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.528 | 154  | 2088484  | 37.869 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.581 | 162  | 1625950  | 37.893 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.810 | 65   | 601169   | 46.336 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.157 | 163  | 2113128  | 38.512 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.299 | 165  | 439324   | 46.226 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.422 | 152  | 2595905  | 36.391 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.634 | 138  | 489010   | 45.890 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.763 | 153  | 1792469  | 37.537 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.828 | 184  | 209131   | 39.528 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.916 | 109  | 363731   | 40.926 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.098 | 168  | 2454878  | 37.680 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.075 | 165  | 637566   | 44.799 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.310 | 232  | 497322   | 44.337 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.510 | 149  | 2186815  | 38.980 | ng/ul  | 99       |
| 61) Fluorene                  | 15.746 | 166  | 2036420  | 38.120 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.740 | 204  | 938848   | 37.439 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.804 | 138  | 515430   | 50.543 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.828 | 198  | 333076   | 38.089 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.963 | 169  | 1750840  | 38.961 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.640 | 248  | 582173   | 39.330 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.722 | 284  | 653876   | 37.806 | ng/ul  | 97       |
| 70) Atrazine                  | 16.916 | 200  | 581382   | 35.960 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.087 | 266  | 434717   | 40.824 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.504 | 178  | 3334178  | 38.174 | ng/ul  | 100      |
| 74) Anthracene                | 17.598 | 178  | 3366170  | 38.370 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.487 | 216  | 749676   | 35.583 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.987 | 250  | 727847   | 38.503 | ng/uL  | 100      |
| 77) Carbazole                 | 17.881 | 167  | 3237711  | 40.047 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.387 | 149  | 3969068  | 42.410 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.469 | 202  | 4008279  | 40.298 | ng/ul  | 100      |
| 82) Pyrene                    | 19.828 | 202  | 4189590  | 39.888 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.681 | 149  | 1991210  | 47.060 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 1364889  | 39.409 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 4114167  | 38.489 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.422 | 149  | 2946487  | 47.982 | ng/ul# | 99       |
| 87) Chrysene                  | 21.604 | 228  | 3831454  | 38.304 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.404 | 149  | 5113109  | 49.065 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 4035307  | 40.580 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 3953560  | 40.076 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 3461123  | 36.897 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.892 | 276  | 3969545  | 35.855 | ng/ul  | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.916 | 278  | 3304405  | 35.865 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.751 | 276  | 3151685  | 35.768 | ng/ul  | 98       |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

SLCS972

**Manual IntegrationsAPPROVED**

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